

10	QPSK	25	0	18.93	19.09	18.89	18.74	18.71	19.5	0
10	QPSK	25	12	19.02	19.09	18.90	18.77	18.84		
10	QPSK	25	25	18.91	19.04	18.88	18.72	18.69		
10	QPSK	50	0	18.98	19.11	18.95	18.80	18.89		
10	16QAM	1	0	18.97	19.11	18.85	18.76	18.68	19.5	0
10	16QAM	1	25	18.83	19.00	18.77	18.66	18.62		
10	16QAM	1	49	18.82	18.98	18.79	18.69	18.67		
10	16QAM	25	0	18.76	18.88	18.66	18.55	18.53	19.5	0
10	16QAM	25	12	18.76	18.88	18.70	18.57	18.54		
10	16QAM	25	25	18.71	18.83	18.63	18.48	18.50		
10	16QAM	50	0	18.74	18.87	18.69	18.57	18.59		
10	64QAM	1	0	18.62	18.92	18.68	18.61	18.50	19.5	0
10	64QAM	1	25	18.56	18.91	18.62	18.58	18.53		
10	64QAM	1	49	18.50	18.80	18.65	18.49	18.52		
10	64QAM	25	0	19.19	19.01	19.02	18.89	18.88	19.5	0
10	64QAM	25	12	19.00	19.05	19.05	18.89	18.90		
10	64QAM	25	25	18.95	19.11	18.97	18.84	18.85		
10	64QAM	50	0	18.97	19.05	19.01	18.87	18.87		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.82	18.97	18.83	18.60	18.66	19.5	0
5	QPSK	1	12	18.87	18.82	18.83	18.67	18.62		
5	QPSK	1	24	18.82	18.98	18.78	18.59	18.57		
5	QPSK	12	0	18.97	19.09	18.89	18.68	18.79	19.5	0
5	QPSK	12	7	19.00	19.14	18.93	18.73	18.84		
5	QPSK	12	13	18.97	19.10	18.91	18.77	18.86		
5	QPSK	25	0	18.99	19.10	18.91	18.68	18.82		
5	16QAM	1	0	18.90	19.05	18.85	18.70	18.70	19.5	0
5	16QAM	1	12	18.94	19.12	18.87	18.74	18.75		
5	16QAM	1	24	18.95	19.09	18.86	18.79	18.71		
5	16QAM	12	0	18.73	18.87	18.61	18.44	18.47	19.5	0
5	16QAM	12	7	18.77	18.89	18.67	18.44	18.49		
5	16QAM	12	13	18.74	18.87	18.66	18.51	18.47		
5	16QAM	25	0	18.78	18.89	18.69	18.50	18.54		
5	64QAM	1	0	18.73	18.90	18.73	18.57	18.62	19.5	0
5	64QAM	1	12	18.70	18.96	18.70	18.62	18.61		
5	64QAM	1	24	18.71	19.01	18.78	18.65	18.64		
5	64QAM	12	0	19.00	19.10	18.97	18.83	18.85	19.5	0
5	64QAM	12	7	19.03	19.02	19.02	18.85	18.86		
5	64QAM	12	13	19.01	19.05	19.02	18.87	18.84		
5	64QAM	25	0	19.04	19.16	19.04	18.83	18.88		

<LTE Band 41 Power Class 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	19.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.07	19.13	18.98	18.98	19.13		
20	QPSK	1	49	19.02	19.11	18.93	19.04	19.39	19.5	0
20	QPSK	1	99	19.03	19.07	18.93	18.96	19.01		
20	QPSK	50	0	19.32	19.37	19.18	19.16	19.07		
20	QPSK	50	24	19.33	19.29	19.26	19.13	19.38	19.5	0
20	QPSK	50	50	19.30	19.31	19.24	19.05	19.23		
20	QPSK	100	0	19.31	19.34	19.18	19.15	19.38		
20	16QAM	1	0	19.36	19.38	19.12	19.20	18.98	19.5	0
20	16QAM	1	49	19.19	19.28	19.18	19.14	19.09		
20	16QAM	1	99	19.24	19.29	19.15	18.95	19.34		
20	16QAM	50	0	19.31	19.38	19.17	19.24	19.10	19.5	0
20	16QAM	50	24	19.31	19.36	19.26	19.13	19.15		
20	16QAM	50	50	19.35	19.30	19.26	19.04	19.22		
20	16QAM	100	0	19.29	19.28	19.21	19.09	19.10	19.5	0
20	64QAM	1	0	19.21	19.22	19.01	19.11	18.92		
20	64QAM	1	49	19.09	19.25	19.13	19.08	19.06		
20	64QAM	1	99	19.08	19.26	19.09	18.90	19.25	19.5	0
20	64QAM	50	0	19.23	18.91	19.17	19.16	19.05		
20	64QAM	50	24	19.29	19.20	19.23	19.15	19.16		
20	64QAM	50	50	19.29	19.25	19.22	19.16	19.23	19.5	0
20	64QAM	100	0	19.21	19.26	19.20	19.17	19.14		
Channel				39725	40173	40620	41068	41515	19.5	0
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.10	19.17	18.98	18.92	18.75		
15	QPSK	1	37	19.10	19.25	19.04	18.92	18.94	19.5	0
15	QPSK	1	74	19.07	19.10	18.98	18.77	19.02		
15	QPSK	36	0	19.26	19.34	19.16	19.11	19.00	19.5	0
15	QPSK	36	20	19.25	19.36	19.23	19.07	19.10		
15	QPSK	36	39	19.28	19.30	19.21	19.03	19.07		
15	QPSK	75	0	19.28	19.34	19.21	19.07	19.14	19.5	0
15	16QAM	1	0	19.35	19.37	19.15	19.19	18.97		
15	16QAM	1	37	19.25	19.28	19.19	19.14	19.10		
15	16QAM	1	74	19.23	19.26	19.21	19.02	19.26	19.5	0
15	16QAM	36	0	19.20	19.30	19.13	19.07	19.12		
15	16QAM	36	20	19.26	19.34	19.26	19.04	19.09		
15	16QAM	36	39	19.29	19.27	19.16	18.99	19.13	19.5	0
15	16QAM	75	0	19.26	19.32	19.20	19.03	19.08		
15	64QAM	1	0	19.17	19.20	19.08	19.13	18.89		
15	64QAM	1	37	19.06	19.21	19.17	19.11	19.05	19.5	0
15	64QAM	1	74	19.09	19.23	19.13	18.96	19.17		
15	64QAM	36	0	19.16	19.22	19.14	19.10	19.00		
15	64QAM	36	20	19.25	19.06	19.20	19.01	19.09	19.5	0
15	64QAM	36	39	19.22	19.29	19.17	19.01	19.14		
15	64QAM	75	0	19.20	19.27	19.20	19.07	19.05		
Channel				39700	40160	40620	41080	41540	19.5	0
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.88	19.01	18.81	18.68	18.67		
10	QPSK	1	25	18.88	19.00	18.85	18.69	18.70	19.5	0
10	QPSK	1	49	18.91	18.99	18.82	18.66	18.69		

10	QPSK	25	0	19.11	19.25	19.05	18.91	18.93	19.5	0
10	QPSK	25	12	19.17	19.25	19.05	18.93	19.14		
10	QPSK	25	25	19.10	19.21	19.00	18.87	18.91		
10	QPSK	50	0	19.13	19.26	19.10	18.93	18.97		
10	16QAM	1	0	19.18	19.30	19.06	18.98	18.95	19.5	0
10	16QAM	1	25	19.10	19.26	19.04	18.95	18.91		
10	16QAM	1	49	19.07	19.23	19.02	18.95	18.93		
10	16QAM	25	0	19.12	19.31	19.05	18.97	18.97	19.5	0
10	16QAM	25	12	19.13	19.32	19.10	18.97	18.97		
10	16QAM	25	25	19.08	19.26	19.05	18.94	18.93		
10	16QAM	50	0	19.10	19.29	19.07	18.96	18.97		
10	64QAM	1	0	18.98	19.22	18.97	18.90	18.88	19.5	0
10	64QAM	1	25	18.95	19.18	18.96	18.88	18.90		
10	64QAM	1	49	18.91	19.15	18.94	18.86	18.87		
10	64QAM	25	0	19.10	19.28	19.11	19.00	18.95	19.5	0
10	64QAM	25	12	19.09	19.30	19.10	18.98	18.98		
10	64QAM	25	25	19.04	19.26	19.08	18.98	18.98		
10	64QAM	50	0	19.04	19.30	19.07	18.95	18.96		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.94	19.05	18.87	18.68	18.77	19.5	0
5	QPSK	1	12	18.97	19.10	18.88	18.75	18.74		
5	QPSK	1	24	18.96	19.05	18.86	18.72	18.71		
5	QPSK	12	0	19.12	19.27	19.08	18.85	19.03	19.5	0
5	QPSK	12	7	19.18	19.30	19.11	18.88	18.98		
5	QPSK	12	13	19.15	19.29	19.11	18.94	18.96		
5	QPSK	25	0	19.13	19.25	19.05	18.85	19.02		
5	16QAM	1	0	19.15	19.30	19.12	18.95	18.96	19.5	0
5	16QAM	1	12	19.23	19.36	19.09	19.02	18.94		
5	16QAM	1	24	19.15	19.38	19.14	19.00	18.99		
5	16QAM	12	0	19.12	19.29	19.08	18.98	18.93	19.5	0
5	16QAM	12	7	19.17	19.37	19.14	18.93	18.97		
5	16QAM	12	13	19.13	19.35	19.08	18.93	18.95		
5	16QAM	25	0	19.16	19.31	19.06	18.95	18.94		
5	64QAM	1	0	19.03	19.19	19.05	18.89	18.93	19.5	0
5	64QAM	1	12	19.02	19.25	19.05	18.93	18.91		
5	64QAM	1	24	19.06	19.24	19.05	18.97	18.95		
5	64QAM	12	0	19.08	19.28	19.10	18.88	18.96	19.5	0
5	64QAM	12	7	19.10	19.30	19.13	18.97	18.99		
5	64QAM	12	13	19.08	19.28	19.12	18.96	18.98		
5	64QAM	25	0	19.11	19.28	19.15	18.92	18.98		

<LTE Band 48>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	16.74	16.94	16.69	16.65	17	0
20	QPSK	1	49	16.57	16.75	16.66	16.63		
20	QPSK	1	99	16.72	16.74	16.68	16.65		
20	QPSK	50	0	16.58	16.91	16.80	16.76		
20	QPSK	50	24	16.57	16.87	16.66	16.72	17	0
20	QPSK	50	50	16.56	16.62	16.71	16.60		
20	QPSK	100	0	16.54	16.90	16.83	16.67		
20	16QAM	1	0	16.54	16.73	16.64	16.71		
20	16QAM	1	49	16.52	16.65	16.58	16.67	17	0
20	16QAM	1	99	16.50	16.72	16.52	16.71		
20	16QAM	50	0	16.47	16.78	16.55	16.90		
20	16QAM	50	24	16.54	16.44	16.63	16.92		
20	16QAM	50	50	16.52	16.47	16.72	16.93	17	0
20	16QAM	100	0	16.54	16.54	16.67	16.93		
20	64QAM	1	0	16.65	16.64	16.73	16.61		
20	64QAM	1	49	16.65	16.48	16.58	16.65		
20	64QAM	1	99	16.62	16.41	16.54	16.70	17	0
20	64QAM	50	0	16.57	16.64	16.47	16.82		
20	64QAM	50	24	16.47	16.75	16.42	16.75		
20	64QAM	50	50	16.37	16.63	16.41	16.86		
20	64QAM	100	0	16.41	16.42	16.64	16.81		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.41	16.64	16.60	16.62	17	0
15	QPSK	1	37	16.37	16.73	16.63	16.64		
15	QPSK	1	74	16.44	16.57	16.64	16.57		
15	QPSK	36	0	16.55	16.73	16.72	16.46		
15	QPSK	36	20	16.53	16.67	16.73	16.35	17	0
15	QPSK	36	39	16.64	16.58	16.54	16.34		
15	QPSK	75	0	16.55	16.47	16.58	16.65		
15	16QAM	1	0	16.62	16.41	16.47	16.63		
15	16QAM	1	37	16.47	16.51	16.38	16.36	17	0
15	16QAM	1	74	16.41	16.58	16.55	16.31		
15	16QAM	36	0	16.37	16.66	16.57	16.35		
15	16QAM	36	20	16.45	16.52	16.53	16.44		
15	16QAM	36	39	16.46	16.72	16.52	16.51	17	0
15	16QAM	75	0	16.37	16.64	16.63	16.72		
15	64QAM	1	0	16.54	16.52	16.54	16.66		
15	64QAM	1	37	16.53	16.57	16.37	16.73		
15	64QAM	1	74	16.57	16.56	16.37	16.57	17	0
15	64QAM	36	0	16.64	16.52	16.34	16.55		
15	64QAM	36	20	16.63	16.55	16.47	16.70		
15	64QAM	36	39	16.57	16.67	16.49	16.63		
15	64QAM	75	0	16.56	16.47	16.56	16.44		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.62	16.70	16.53	16.34	17	0
10	QPSK	1	25	16.60	16.39	16.49	16.51		
10	QPSK	1	49	16.33	16.71	16.52	16.50		
10	QPSK	25	0	16.28	16.54	16.64	16.54		



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10	QPSK	25	12	16.32	16.63	16.44	16.43		
10	QPSK	25	25	16.41	16.65	16.63	16.50		
10	QPSK	50	0	16.48	16.70	16.49	16.61		
10	16QAM	1	0	16.69	16.50	16.69	16.52	17	0
10	16QAM	1	25	16.63	16.59	16.61	16.59		
10	16QAM	1	49	16.70	16.60	16.49	16.44		
10	16QAM	25	0	16.54	16.54	16.54	16.60	17	0
10	16QAM	25	12	16.52	16.52	16.64	16.54		
10	16QAM	25	25	16.67	16.70	16.55	16.53		
10	16QAM	50	0	16.60	16.69	16.44	16.38	17	0
10	64QAM	1	0	16.41	16.54	16.38	16.34		
10	64QAM	1	25	16.59	16.62	16.48	16.41		
10	64QAM	1	49	16.61	16.58	16.55	16.52	17	0
10	64QAM	25	0	16.54	16.51	16.61	16.44		
10	64QAM	25	12	16.43	16.52	16.70	16.38		
10	64QAM	25	25	16.32	16.44	16.54	16.34	17	0
10	64QAM	50	0	16.31	16.38	16.70	16.59		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.38	16.74	16.69	16.66	17	0
5	QPSK	1	12	16.41	16.80	16.80	16.69		
5	QPSK	1	24	16.48	16.85	16.84	16.68		
5	QPSK	12	0	16.58	16.77	16.84	16.70	17	0
5	QPSK	12	7	16.42	16.58	16.61	16.85		
5	QPSK	12	13	16.35	16.52	16.65	16.81		
5	QPSK	25	0	16.58	16.46	16.61	16.84	17	0
5	16QAM	1	0	16.69	16.49	16.74	16.67		
5	16QAM	1	12	16.57	16.36	16.66	16.59		
5	16QAM	1	24	16.36	16.35	16.72	16.81	17	0
5	16QAM	12	0	16.50	16.58	16.73	16.66		
5	16QAM	12	7	16.37	16.41	16.55	16.65		
5	16QAM	12	13	16.39	16.60	16.59	16.65	17	0
5	16QAM	25	0	16.35	16.60	16.64	16.76		
5	64QAM	1	0	16.58	16.62	16.65	16.74		
5	64QAM	1	12	16.49	16.61	16.61	16.68	17	0
5	64QAM	1	24	16.57	16.67	16.65	16.79		
5	64QAM	12	0	16.48	16.52	16.73	16.31		
5	64QAM	12	7	16.52	16.48	16.71	16.66	17	0
5	64QAM	12	13	16.41	16.66	16.59	16.69		
5	64QAM	25	0	16.49	16.57	16.64	16.68		



<Reduced power mode 2 for At-Head with 2.4GHz Wifi>

<UAT>

<LTE Band 38>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.71	18.46	18.50		
20	QPSK	1	49	18.62	18.42	18.42	19	0
20	QPSK	1	99	18.66	18.42	18.36		
20	QPSK	50	0	18.60	18.67	18.65		
20	QPSK	50	24	18.68	18.65	18.67	19	0
20	QPSK	50	50	18.60	18.68	18.66		
20	QPSK	100	0	18.68	18.66	18.62		
20	16QAM	1	0	18.62	18.67	18.68	19	0
20	16QAM	1	49	18.57	18.67	18.61		
20	16QAM	1	99	18.60	18.64	18.59		
20	16QAM	50	0	18.60	18.51	18.67	19	0
20	16QAM	50	24	18.64	18.51	18.40		
20	16QAM	50	50	18.62	18.40	18.66		
20	16QAM	100	0	18.59	18.65	18.63	19	0
20	64QAM	1	0	18.62	18.56	18.61		
20	64QAM	1	49	18.61	18.55	18.53		
20	64QAM	1	99	18.63	18.55	18.54	19	0
20	64QAM	50	0	17.81	17.72	17.69		
20	64QAM	50	24	17.88	17.74	17.72		
20	64QAM	50	50	17.83	17.71	17.67	19	0
20	64QAM	100	0	17.92	17.68	17.67		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.56	18.55	18.55		
15	QPSK	1	37	18.53	18.44	18.42	19	0
15	QPSK	1	74	18.51	18.49	18.39		
15	QPSK	36	0	18.61	18.65	18.64	19	0
15	QPSK	36	20	18.64	18.61	18.65		
15	QPSK	36	39	18.56	18.63	18.60		
15	QPSK	75	0	18.62	18.66	18.64	19	0
15	16QAM	1	0	18.66	18.52	18.62		
15	16QAM	1	37	18.59	18.63	18.60		
15	16QAM	1	74	18.64	18.65	18.61	19	0
15	16QAM	36	0	18.62	18.63	18.63		
15	16QAM	36	20	18.63	18.62	18.66		
15	16QAM	36	39	18.61	18.63	18.59	19	0
15	16QAM	75	0	18.63	18.65	18.64		
15	64QAM	1	0	18.61	18.60	18.61		
15	64QAM	1	37	18.66	18.52	18.55	19	0
15	64QAM	1	74	18.63	18.58	18.55		
15	64QAM	36	0	17.92	17.66	17.65		
15	64QAM	36	20	17.96	17.70	17.70	19	0
15	64QAM	36	39	17.93	17.66	17.65		
15	64QAM	75	0	17.91	17.66	17.65		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.46	18.29	18.27		
10	QPSK	1	25	18.56	18.32	18.28	19	0
10	QPSK	1	49	18.52	18.27	18.24		



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10	QPSK	25	0	18.40	18.42	18.43	19	0
10	QPSK	25	12	18.44	18.45	18.48		
10	QPSK	25	25	18.42	18.45	18.45		
10	QPSK	50	0	18.48	18.54	18.49		
10	16QAM	1	0	18.44	18.46	18.54	19	0
10	16QAM	1	25	18.49	18.54	18.53		
10	16QAM	1	49	18.43	18.51	18.53		
10	16QAM	25	0	18.44	18.47	18.53	19	0
10	16QAM	25	12	18.47	18.52	18.51		
10	16QAM	25	25	18.46	18.49	18.48		
10	16QAM	50	0	18.46	18.50	18.50		
10	64QAM	1	0	18.60	18.38	18.44	19	0
10	64QAM	1	25	18.63	18.41	18.46		
10	64QAM	1	49	18.60	18.40	18.43		
10	64QAM	25	0	17.75	17.54	17.56	19	0
10	64QAM	25	12	17.80	17.55	17.56		
10	64QAM	25	25	17.80	17.64	17.58		
10	64QAM	50	0	17.77	17.77	17.54		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.32	18.37	18.39	19	0
5	QPSK	1	12	18.39	18.47	18.41		
5	QPSK	1	24	18.36	18.35	18.31		
5	QPSK	12	0	18.41	18.49	18.54	19	0
5	QPSK	12	7	18.52	18.49	18.58		
5	QPSK	12	13	18.51	18.47	18.52		
5	QPSK	25	0	18.51	18.52	18.55		
5	16QAM	1	0	18.56	18.60	18.63	19	0
5	16QAM	1	12	18.61	18.54	18.54		
5	16QAM	1	24	18.66	18.64	18.67		
5	16QAM	12	0	18.41	18.49	18.59	19	0
5	16QAM	12	7	18.53	18.50	18.54		
5	16QAM	12	13	18.49	18.47	18.55		
5	16QAM	25	0	18.49	18.47	18.52		
5	64QAM	1	0	18.62	18.36	18.35	19	0
5	64QAM	1	12	18.62	18.48	18.48		
5	64QAM	1	24	18.66	18.51	18.54		
5	64QAM	12	0	17.81	17.53	17.51	19	0
5	64QAM	12	7	17.86	17.58	17.60		
5	64QAM	12	13	17.90	17.58	17.59		
5	64QAM	25	0	17.83	17.56	17.56		

<LTE Band 41 Power Class 3>

BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39790	39750	40185	40620	41055	41490		
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.92	18.98	19.06	18.76	19.01	19.03	19.5	0
20	QPSK	1	49	18.98	18.99	19.07	18.86	19.09	19.22		
20	QPSK	1	99	18.96	18.94	18.96	18.80	18.97	18.98		
20	QPSK	50	0	18.93	19.18	19.17	19.04	19.03	19.18	19.5	0
20	QPSK	50	24	19.12	19.19	19.19	19.09	19.04	19.20		
20	QPSK	50	50	19.11	19.17	19.15	19.07	18.87	19.16		
20	QPSK	100	0	19.02	19.18	19.14	19.03	18.96	19.19	19.5	0
20	16QAM	1	0	18.67	19.08	19.16	18.88	18.95	19.10		
20	16QAM	1	49	18.80	18.95	19.04	18.95	18.88	19.02		
20	16QAM	1	99	19.07	18.98	19.05	18.90	18.68	19.03	19.5	0
20	16QAM	50	0	18.68	18.95	18.98	18.82	18.80	18.97		
20	16QAM	50	24	18.73	18.97	18.99	18.85	18.75	18.99		
20	16QAM	50	50	18.81	18.95	18.93	18.83	18.64	18.99	19.5	0
20	16QAM	100	0	18.74	18.93	18.95	18.80	18.69	18.98		
20	64QAM	1	0	18.83	18.83	18.98	18.71	18.82	18.56		
20	64QAM	1	49	18.78	18.71	18.93	18.76	18.77	18.71	19.5	0
20	64QAM	1	99	18.81	18.73	18.87	18.78	18.50	18.97		
20	64QAM	50	0	19.16	19.16	19.18	19.11	19.10	19.02		
20	64QAM	50	24	19.11	19.14	19.10	19.17	19.06	19.06	19.5	0
20	64QAM	50	50	19.02	19.15	19.16	19.15	18.96	19.16		
20	64QAM	100	0	19.18	19.13	19.15	19.15	19.02	19.05		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.99	18.95	19.05	18.81	18.86	18.67	19.5	0
15	QPSK	1	37	18.99	18.94	19.12	18.92	18.73	18.72		
15	QPSK	1	74	18.99	18.98	18.94	18.89	18.67	18.92		
15	QPSK	36	0	19.12	19.09	19.17	18.97	18.91	18.85	19.5	0
15	QPSK	36	20	19.18	19.13	19.19	19.04	18.93	18.87		
15	QPSK	36	39	19.18	19.14	19.14	19.03	18.81	18.91		
15	QPSK	75	0	19.18	19.15	19.17	19.06	18.92	18.86	19.5	0
15	16QAM	1	0	19.08	19.05	19.09	18.92	18.93	18.71		
15	16QAM	1	37	18.96	18.95	19.02	18.94	18.83	18.75		
15	16QAM	1	74	19.02	18.99	18.99	18.94	18.77	19.02	19.5	0
15	16QAM	36	0	18.86	18.82	18.90	18.71	18.63	18.53		
15	16QAM	36	20	18.91	18.90	18.94	18.76	18.63	18.63		
15	16QAM	36	39	18.86	18.85	18.88	18.72	18.58	18.68	19.5	0
15	16QAM	75	0	18.96	18.90	18.98	18.81	18.67	18.67		
15	64QAM	1	0	18.84	18.80	18.96	18.78	18.79	18.57		
15	64QAM	1	37	18.77	18.74	18.99	18.83	18.75	18.69	19.5	0
15	64QAM	1	74	18.77	18.76	18.88	18.84	18.61	18.82		
15	64QAM	36	0	19.11	19.11	19.07	19.05	19.00	18.92		
15	64QAM	36	20	19.19	19.12	19.08	19.14	18.99	18.98	19.5	0
15	64QAM	36	39	19.16	19.11	19.03	19.13	18.90	19.02		
15	64QAM	75	0	19.17	19.11	19.07	19.12	18.99	19.00		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	18.84	18.73	18.87	18.73	18.52	18.55	19.5	0
10	QPSK	1	25	18.78	18.77	18.95	18.73	18.64	18.61		
10	QPSK	1	49	18.81	18.82	18.88	18.72	18.52	18.60		

10	QPSK	25	0	19.03	18.93	19.09	18.89	18.74	18.71	19.5	0
10	QPSK	25	12	19.07	19.02	19.09	18.90	18.77	18.84		
10	QPSK	25	25	18.97	18.91	19.04	18.88	18.72	18.69		
10	QPSK	50	0	19.03	18.98	19.11	18.95	18.80	18.89		
10	16QAM	1	0	18.97	18.97	19.11	18.85	18.76	18.68	19.5	0
10	16QAM	1	25	18.81	18.83	19.00	18.77	18.66	18.62		
10	16QAM	1	49	18.84	18.82	18.98	18.79	18.69	18.67		
10	16QAM	25	0	18.75	18.76	18.88	18.66	18.55	18.53	19.5	0
10	16QAM	25	12	18.77	18.76	18.88	18.70	18.57	18.54		
10	16QAM	25	25	18.72	18.71	18.83	18.63	18.48	18.50		
10	16QAM	50	0	18.79	18.74	18.87	18.69	18.57	18.59		
10	64QAM	1	0	18.64	18.62	18.92	18.68	18.61	18.50	19.5	0
10	64QAM	1	25	18.58	18.56	18.91	18.62	18.58	18.53		
10	64QAM	1	49	18.55	18.50	18.80	18.65	18.49	18.52		
10	64QAM	25	0	19.02	19.19	19.01	19.02	18.89	18.88	19.5	0
10	64QAM	25	12	19.02	19.00	19.05	19.05	18.89	18.90		
10	64QAM	25	25	18.99	18.95	19.11	18.97	18.84	18.85		
10	64QAM	50	0	19.02	18.97	19.05	19.01	18.87	18.87		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.52	18.82	18.97	18.83	18.60	18.66	19.5	0
5	QPSK	1	12	18.64	18.87	18.82	18.83	18.67	18.62		
5	QPSK	1	24	18.52	18.82	18.98	18.78	18.59	18.57		
5	QPSK	12	0	18.74	18.97	19.09	18.89	18.68	18.79	19.5	0
5	QPSK	12	7	18.77	19.00	19.14	18.93	18.73	18.84		
5	QPSK	12	13	18.72	18.97	19.10	18.91	18.77	18.86		
5	QPSK	25	0	18.80	18.99	19.10	18.91	18.68	18.82		
5	16QAM	1	0	18.76	18.90	19.05	18.85	18.70	18.70	19.5	0
5	16QAM	1	12	18.66	18.94	19.12	18.87	18.74	18.75		
5	16QAM	1	24	18.69	18.95	19.09	18.86	18.79	18.71		
5	16QAM	12	0	18.55	18.73	18.87	18.61	18.44	18.47	19.5	0
5	16QAM	12	7	18.57	18.77	18.89	18.67	18.44	18.49		
5	16QAM	12	13	18.48	18.74	18.87	18.66	18.51	18.47		
5	16QAM	25	0	18.57	18.78	18.89	18.69	18.50	18.54		
5	64QAM	1	0	18.66	18.73	18.90	18.73	18.57	18.62	19.5	0
5	64QAM	1	12	18.68	18.70	18.96	18.70	18.62	18.61		
5	64QAM	1	24	18.69	18.71	19.01	18.78	18.65	18.64		
5	64QAM	12	0	19.01	19.00	19.10	18.97	18.83	18.85	19.5	0
5	64QAM	12	7	19.00	19.03	19.02	19.02	18.85	18.86		
5	64QAM	12	13	18.99	19.01	19.05	19.02	18.87	18.84		
5	64QAM	25	0	19.03	19.04	19.16	19.04	18.83	18.88		

<LTE Band 41 Power Class 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	19.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.07	19.13	18.98	18.98	19.13		
20	QPSK	1	49	19.02	19.11	18.93	19.04	19.39	19.5	0
20	QPSK	1	99	19.03	19.07	18.93	18.96	19.01		
20	QPSK	50	0	19.32	19.37	19.18	19.16	19.07		
20	QPSK	50	24	19.33	19.29	19.26	19.13	19.38	19.5	0
20	QPSK	50	50	19.30	19.31	19.24	19.05	19.23		
20	QPSK	100	0	19.31	19.34	19.18	19.15	19.38		
20	16QAM	1	0	19.36	19.38	19.12	19.20	18.98	19.5	0
20	16QAM	1	49	19.19	19.28	19.18	19.14	19.09		
20	16QAM	1	99	19.24	19.29	19.15	18.95	19.34		
20	16QAM	50	0	19.31	19.38	19.17	19.24	19.10	19.5	0
20	16QAM	50	24	19.31	19.36	19.26	19.13	19.15		
20	16QAM	50	50	19.35	19.30	19.26	19.04	19.22		
20	16QAM	100	0	19.29	19.28	19.21	19.09	19.10	19.5	0
20	64QAM	1	0	19.21	19.22	19.01	19.11	18.92		
20	64QAM	1	49	19.09	19.25	19.13	19.08	19.06		
20	64QAM	1	99	19.08	19.26	19.09	18.90	19.25	19.5	0
20	64QAM	50	0	19.23	18.91	19.17	19.16	19.05		
20	64QAM	50	24	19.29	19.20	19.23	19.15	19.16		
20	64QAM	50	50	19.29	19.25	19.22	19.16	19.23	19.5	0
20	64QAM	100	0	19.21	19.26	19.20	19.17	19.14		
Channel				39725	40173	40620	41068	41515	19.5	0
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.10	19.17	18.98	18.92	18.75		
15	QPSK	1	37	19.10	19.25	19.04	18.92	18.94	19.5	0
15	QPSK	1	74	19.07	19.10	18.98	18.77	19.02		
15	QPSK	36	0	19.26	19.34	19.16	19.11	19.00	19.5	0
15	QPSK	36	20	19.25	19.36	19.23	19.07	19.10		
15	QPSK	36	39	19.28	19.30	19.21	19.03	19.07		
15	QPSK	75	0	19.28	19.34	19.21	19.07	19.14	19.5	0
15	16QAM	1	0	19.35	19.37	19.15	19.19	18.97		
15	16QAM	1	37	19.25	19.28	19.19	19.14	19.10		
15	16QAM	1	74	19.23	19.26	19.21	19.02	19.26	19.5	0
15	16QAM	36	0	19.20	19.30	19.13	19.07	19.12		
15	16QAM	36	20	19.26	19.34	19.26	19.04	19.09		
15	16QAM	36	39	19.29	19.27	19.16	18.99	19.13	19.5	0
15	16QAM	75	0	19.26	19.32	19.20	19.03	19.08		
15	64QAM	1	0	19.17	19.20	19.08	19.13	18.89		
15	64QAM	1	37	19.06	19.21	19.17	19.11	19.05	19.5	0
15	64QAM	1	74	19.09	19.23	19.13	18.96	19.17		
15	64QAM	36	0	19.16	19.22	19.14	19.10	19.00		
15	64QAM	36	20	19.25	19.06	19.20	19.01	19.09	19.5	0
15	64QAM	36	39	19.22	19.29	19.17	19.01	19.14		
15	64QAM	75	0	19.20	19.27	19.20	19.07	19.05		
Channel				39700	40160	40620	41080	41540	19.5	0
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.88	19.01	18.81	18.68	18.67		
10	QPSK	1	25	18.88	19.00	18.85	18.69	18.70	19.5	0
10	QPSK	1	49	18.91	18.99	18.82	18.66	18.69		

10	QPSK	25	0	19.11	19.25	19.05	18.91	18.93	19.5	0
10	QPSK	25	12	19.17	19.25	19.05	18.93	19.14		
10	QPSK	25	25	19.10	19.21	19.00	18.87	18.91		
10	QPSK	50	0	19.13	19.26	19.10	18.93	18.97		
10	16QAM	1	0	19.18	19.30	19.06	18.98	18.95	19.5	0
10	16QAM	1	25	19.10	19.26	19.04	18.95	18.91		
10	16QAM	1	49	19.07	19.23	19.02	18.95	18.93		
10	16QAM	25	0	19.12	19.31	19.05	18.97	18.97	19.5	0
10	16QAM	25	12	19.13	19.32	19.10	18.97	18.97		
10	16QAM	25	25	19.08	19.26	19.05	18.94	18.93		
10	16QAM	50	0	19.10	19.29	19.07	18.96	18.97		
10	64QAM	1	0	18.98	19.22	18.97	18.90	18.88	19.5	0
10	64QAM	1	25	18.95	19.18	18.96	18.88	18.90		
10	64QAM	1	49	18.91	19.15	18.94	18.86	18.87		
10	64QAM	25	0	19.10	19.28	19.11	19.00	18.95	19.5	0
10	64QAM	25	12	19.09	19.30	19.10	18.98	18.98		
10	64QAM	25	25	19.04	19.26	19.08	18.98	18.98		
10	64QAM	50	0	19.04	19.30	19.07	18.95	18.96		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.94	19.05	18.87	18.68	18.77	19.5	0
5	QPSK	1	12	18.97	19.10	18.88	18.75	18.74		
5	QPSK	1	24	18.96	19.05	18.86	18.72	18.71		
5	QPSK	12	0	19.12	19.27	19.08	18.85	19.03	19.5	0
5	QPSK	12	7	19.18	19.30	19.11	18.88	18.98		
5	QPSK	12	13	19.15	19.29	19.11	18.94	18.96		
5	QPSK	25	0	19.13	19.25	19.05	18.85	19.02		
5	16QAM	1	0	19.15	19.30	19.12	18.95	18.96	19.5	0
5	16QAM	1	12	19.23	19.36	19.09	19.02	18.94		
5	16QAM	1	24	19.15	19.38	19.14	19.00	18.99		
5	16QAM	12	0	19.12	19.29	19.08	18.98	18.93	19.5	0
5	16QAM	12	7	19.17	19.37	19.14	18.93	18.97		
5	16QAM	12	13	19.13	19.35	19.08	18.93	18.95		
5	16QAM	25	0	19.16	19.31	19.06	18.95	18.94		
5	64QAM	1	0	19.03	19.19	19.05	18.89	18.93	19.5	0
5	64QAM	1	12	19.02	19.25	19.05	18.93	18.91		
5	64QAM	1	24	19.06	19.24	19.05	18.97	18.95		
5	64QAM	12	0	19.08	19.28	19.10	18.88	18.96	19.5	0
5	64QAM	12	7	19.10	19.30	19.13	18.97	18.99		
5	64QAM	12	13	19.08	19.28	19.12	18.96	18.98		
5	64QAM	25	0	19.11	19.28	19.15	18.92	18.98		



<LTE Band 48>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	16.74	16.94	16.69	16.65	17	0
20	QPSK	1	49	16.57	16.75	16.66	16.63		
20	QPSK	1	99	16.72	16.74	16.68	16.65		
20	QPSK	50	0	16.58	16.91	16.80	16.76	17	0
20	QPSK	50	24	16.57	16.87	16.66	16.72		
20	QPSK	50	50	16.56	16.62	16.71	16.60		
20	QPSK	100	0	16.54	16.90	16.83	16.67	17	0
20	16QAM	1	0	16.54	16.73	16.64	16.71		
20	16QAM	1	49	16.52	16.65	16.58	16.67		
20	16QAM	1	99	16.50	16.72	16.52	16.71	17	0
20	16QAM	50	0	16.47	16.78	16.55	16.90		
20	16QAM	50	24	16.54	16.44	16.63	16.92		
20	16QAM	50	50	16.52	16.47	16.72	16.93	17	0
20	16QAM	100	0	16.54	16.54	16.67	16.93		
20	64QAM	1	0	16.65	16.64	16.73	16.61		
20	64QAM	1	49	16.65	16.48	16.58	16.65	17	0
20	64QAM	1	99	16.62	16.41	16.54	16.70		
20	64QAM	50	0	16.57	16.64	16.47	16.82		
20	64QAM	50	24	16.47	16.75	16.42	16.75	17	0
20	64QAM	50	50	16.37	16.63	16.41	16.86		
20	64QAM	100	0	16.41	16.42	16.64	16.81		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.41	16.64	16.60	16.62	17	0
15	QPSK	1	37	16.37	16.73	16.63	16.64		
15	QPSK	1	74	16.44	16.57	16.64	16.57		
15	QPSK	36	0	16.55	16.73	16.72	16.46	17	0
15	QPSK	36	20	16.53	16.67	16.73	16.35		
15	QPSK	36	39	16.64	16.58	16.54	16.34		
15	QPSK	75	0	16.55	16.47	16.58	16.65	17	0
15	16QAM	1	0	16.62	16.41	16.47	16.63		
15	16QAM	1	37	16.47	16.51	16.38	16.36		
15	16QAM	1	74	16.41	16.58	16.55	16.31	17	0
15	16QAM	36	0	16.37	16.66	16.57	16.35		
15	16QAM	36	20	16.45	16.52	16.53	16.44		
15	16QAM	36	39	16.46	16.72	16.52	16.51	17	0
15	16QAM	75	0	16.37	16.64	16.63	16.72		
15	64QAM	1	0	16.54	16.52	16.54	16.66		
15	64QAM	1	37	16.53	16.57	16.37	16.73	17	0
15	64QAM	1	74	16.57	16.56	16.37	16.57		
15	64QAM	36	0	16.64	16.52	16.34	16.55		
15	64QAM	36	20	16.63	16.55	16.47	16.70	17	0
15	64QAM	36	39	16.57	16.67	16.49	16.63		
15	64QAM	75	0	16.56	16.47	16.56	16.44		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.62	16.70	16.53	16.34	17	0
10	QPSK	1	25	16.60	16.39	16.49	16.51		
10	QPSK	1	49	16.33	16.71	16.52	16.50		
10	QPSK	25	0	16.28	16.54	16.64	16.54	17	0



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10	QPSK	25	12	16.32	16.63	16.44	16.43		
10	QPSK	25	25	16.41	16.65	16.63	16.50		
10	QPSK	50	0	16.48	16.70	16.49	16.61		
10	16QAM	1	0	16.69	16.50	16.69	16.52	17	0
10	16QAM	1	25	16.63	16.59	16.61	16.59		
10	16QAM	1	49	16.70	16.60	16.49	16.44		
10	16QAM	25	0	16.54	16.54	16.54	16.60	17	0
10	16QAM	25	12	16.52	16.52	16.64	16.54		
10	16QAM	25	25	16.67	16.70	16.55	16.53		
10	16QAM	50	0	16.60	16.69	16.44	16.38	17	0
10	64QAM	1	0	16.41	16.54	16.38	16.34		
10	64QAM	1	25	16.59	16.62	16.48	16.41		
10	64QAM	1	49	16.61	16.58	16.55	16.52	17	0
10	64QAM	25	0	16.54	16.51	16.61	16.44		
10	64QAM	25	12	16.43	16.52	16.70	16.38		
10	64QAM	25	25	16.32	16.44	16.54	16.34	17	0
10	64QAM	50	0	16.31	16.38	16.70	16.59		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.38	16.74	16.69	16.66	17	0
5	QPSK	1	12	16.41	16.80	16.80	16.69		
5	QPSK	1	24	16.48	16.85	16.84	16.68		
5	QPSK	12	0	16.58	16.77	16.84	16.70	17	0
5	QPSK	12	7	16.42	16.58	16.61	16.85		
5	QPSK	12	13	16.35	16.52	16.65	16.81		
5	QPSK	25	0	16.58	16.46	16.61	16.84	17	0
5	16QAM	1	0	16.69	16.49	16.74	16.67		
5	16QAM	1	12	16.57	16.36	16.66	16.59		
5	16QAM	1	24	16.36	16.35	16.72	16.81	17	0
5	16QAM	12	0	16.50	16.58	16.73	16.66		
5	16QAM	12	7	16.37	16.41	16.55	16.65		
5	16QAM	12	13	16.39	16.60	16.59	16.65	17	0
5	16QAM	25	0	16.35	16.60	16.64	16.76		
5	64QAM	1	0	16.58	16.62	16.65	16.74		
5	64QAM	1	12	16.49	16.61	16.61	16.68	17	0
5	64QAM	1	24	16.57	16.67	16.65	16.79		
5	64QAM	12	0	16.48	16.52	16.73	16.31		
5	64QAM	12	7	16.52	16.48	16.71	16.66	17	0
5	64QAM	12	13	16.41	16.66	16.59	16.69		
5	64QAM	25	0	16.49	16.57	16.64	16.68		



<Reduced power mode 2 for At-Head with 5GHz Wifi>

<UAT>

<LTE Band 38>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.71	18.46	18.50		
20	QPSK	1	49	18.62	18.42	18.42	19	0
20	QPSK	1	99	18.66	18.42	18.36		
20	QPSK	50	0	18.60	18.67	18.65		
20	QPSK	50	24	18.68	18.65	18.67	19	0
20	QPSK	50	50	18.60	18.68	18.66		
20	QPSK	100	0	18.68	18.66	18.62		
20	16QAM	1	0	18.62	18.67	18.68	19	0
20	16QAM	1	49	18.57	18.67	18.61		
20	16QAM	1	99	18.60	18.64	18.59		
20	16QAM	50	0	18.60	18.51	18.67	19	0
20	16QAM	50	24	18.64	18.51	18.40		
20	16QAM	50	50	18.62	18.40	18.66		
20	16QAM	100	0	18.59	18.65	18.63	19	0
20	64QAM	1	0	18.62	18.56	18.61		
20	64QAM	1	49	18.61	18.55	18.53		
20	64QAM	1	99	18.63	18.55	18.54	19	0
20	64QAM	50	0	17.81	17.72	17.69		
20	64QAM	50	24	17.88	17.74	17.72		
20	64QAM	50	50	17.83	17.71	17.67	19	0
20	64QAM	100	0	17.92	17.68	17.67		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.56	18.55	18.55		
15	QPSK	1	37	18.53	18.44	18.42	19	0
15	QPSK	1	74	18.51	18.49	18.39		
15	QPSK	36	0	18.61	18.65	18.64	19	0
15	QPSK	36	20	18.64	18.61	18.65		
15	QPSK	36	39	18.56	18.63	18.60		
15	QPSK	75	0	18.62	18.66	18.64	19	0
15	16QAM	1	0	18.66	18.52	18.62		
15	16QAM	1	37	18.59	18.63	18.60		
15	16QAM	1	74	18.64	18.65	18.61	19	0
15	16QAM	36	0	18.62	18.63	18.63		
15	16QAM	36	20	18.63	18.62	18.66		
15	16QAM	36	39	18.61	18.63	18.59	19	0
15	16QAM	75	0	18.63	18.65	18.64		
15	64QAM	1	0	18.61	18.60	18.61		
15	64QAM	1	37	18.66	18.52	18.55	19	0
15	64QAM	1	74	18.63	18.58	18.55		
15	64QAM	36	0	17.92	17.66	17.65		
15	64QAM	36	20	17.96	17.70	17.70	19	0
15	64QAM	36	39	17.93	17.66	17.65		
15	64QAM	75	0	17.91	17.66	17.65		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.46	18.29	18.27		
10	QPSK	1	25	18.56	18.32	18.28	19	0
10	QPSK	1	49	18.52	18.27	18.24		



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10	QPSK	25	0	18.40	18.42	18.43	19	0
10	QPSK	25	12	18.44	18.45	18.48		
10	QPSK	25	25	18.42	18.45	18.45		
10	QPSK	50	0	18.48	18.54	18.49		
10	16QAM	1	0	18.44	18.46	18.54	19	0
10	16QAM	1	25	18.49	18.54	18.53		
10	16QAM	1	49	18.43	18.51	18.53		
10	16QAM	25	0	18.44	18.47	18.53	19	0
10	16QAM	25	12	18.47	18.52	18.51		
10	16QAM	25	25	18.46	18.49	18.48		
10	16QAM	50	0	18.46	18.50	18.50		
10	64QAM	1	0	18.60	18.38	18.44	19	0
10	64QAM	1	25	18.63	18.41	18.46		
10	64QAM	1	49	18.60	18.40	18.43		
10	64QAM	25	0	17.75	17.54	17.56	19	0
10	64QAM	25	12	17.80	17.55	17.56		
10	64QAM	25	25	17.80	17.64	17.58		
10	64QAM	50	0	17.77	17.77	17.54		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.32	18.37	18.39	19	0
5	QPSK	1	12	18.39	18.47	18.41		
5	QPSK	1	24	18.36	18.35	18.31		
5	QPSK	12	0	18.41	18.49	18.54	19	0
5	QPSK	12	7	18.52	18.49	18.58		
5	QPSK	12	13	18.51	18.47	18.52		
5	QPSK	25	0	18.51	18.52	18.55		
5	16QAM	1	0	18.56	18.60	18.63	19	0
5	16QAM	1	12	18.61	18.54	18.54		
5	16QAM	1	24	18.66	18.64	18.67		
5	16QAM	12	0	18.41	18.49	18.59	19	0
5	16QAM	12	7	18.53	18.50	18.54		
5	16QAM	12	13	18.49	18.47	18.55		
5	16QAM	25	0	18.49	18.47	18.52		
5	64QAM	1	0	18.62	18.36	18.35	19	0
5	64QAM	1	12	18.62	18.48	18.48		
5	64QAM	1	24	18.66	18.51	18.54		
5	64QAM	12	0	17.81	17.53	17.51	19	0
5	64QAM	12	7	17.86	17.58	17.60		
5	64QAM	12	13	17.90	17.58	17.59		
5	64QAM	25	0	17.83	17.56	17.56		

<LTE Band 41 Power Class 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.28	19.87	20.01	20.10	20.28	20.5	0
20	QPSK	1	49	20.29	20.00	20.10	20.12	20.30		
20	QPSK	1	99	20.20	20.18	20.05	19.93	20.24		
20	QPSK	50	0	19.93	19.67	19.82	19.73	19.96	20.5	0
20	QPSK	50	24	20.01	19.76	19.85	19.82	20.05		
20	QPSK	50	50	20.00	19.75	19.83	19.81	20.02		
20	QPSK	100	0	20.01	19.90	19.92	19.73	20.02	20.5	0
20	16QAM	1	0	19.96	19.57	19.71	19.78	20.01		
20	16QAM	1	49	19.79	19.67	19.78	19.70	19.88		
20	16QAM	1	99	19.84	19.94	19.73	19.52	19.88	20.5	0
20	16QAM	50	0	19.99	19.70	19.86	19.82	20.03		
20	16QAM	50	24	19.99	19.79	19.89	19.77	20.02		
20	16QAM	50	50	20.07	19.97	19.98	19.76	20.08	20.5	0
20	16QAM	100	0	20.10	19.86	19.94	19.83	20.09		
20	64QAM	1	0	19.92	19.98	19.59	19.72	19.52	20.5	0
20	64QAM	1	49	19.76	19.89	19.67	19.64	19.58		
20	64QAM	1	99	19.76	19.84	19.65	19.54	19.76		
20	64QAM	50	0	19.77	19.82	19.56	19.53	19.45	20.5	0
20	64QAM	50	24	19.75	19.78	19.64	19.47	19.55		
20	64QAM	50	50	19.80	19.72	19.64	19.46	19.59		
20	64QAM	100	0	19.77	19.77	19.56	19.46	19.54		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.26	20.22	20.12	20.10	19.89	20.5	0
15	QPSK	1	37	20.19	20.27	20.14	19.94	19.96		
15	QPSK	1	74	20.24	20.22	20.12	19.93	20.20		
15	QPSK	36	0	20.06	20.14	19.93	19.87	19.80	20.5	0
15	QPSK	36	20	20.11	20.15	20.01	19.87	19.98		
15	QPSK	36	39	20.11	20.12	20.00	19.77	19.85		
15	QPSK	75	0	20.08	20.13	19.97	19.86	19.83	20.5	0
15	16QAM	1	0	20.01	20.06	19.88	19.88	19.65		
15	16QAM	1	37	19.93	20.00	19.80	19.79	19.70		
15	16QAM	1	74	19.95	20.02	19.90	19.71	19.97	20.5	0
15	16QAM	36	0	19.93	20.02	19.81	19.77	19.68		
15	16QAM	36	20	20.00	20.07	19.91	19.76	19.77		
15	16QAM	36	39	19.98	19.97	19.89	19.70	19.81	20.5	0
15	16QAM	75	0	20.02	20.11	19.94	19.82	19.81		
15	64QAM	1	0	19.69	19.75	19.43	19.48	19.34		
15	64QAM	1	37	19.55	19.72	19.47	19.42	19.31	20.5	0
15	64QAM	1	74	19.59	19.62	19.48	19.29	19.50		
15	64QAM	36	0	19.90	19.98	19.68	19.60	19.52		
15	64QAM	36	20	19.92	19.97	19.75	19.57	19.77	20.5	0
15	64QAM	36	39	19.91	19.88	19.75	19.69	19.58		
15	64QAM	75	0	19.92	19.97	19.76	19.61	19.71		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.08	20.18	19.98	19.93	19.87	20.5	0
10	QPSK	1	25	20.03	20.17	19.96	19.87	19.90		
10	QPSK	1	49	20.10	20.20	19.98	19.90	19.89		

10	QPSK	25	0	19.91	20.02	19.83	19.71	19.73	20.5	0
10	QPSK	25	12	19.92	20.07	19.87	19.74	19.74		
10	QPSK	25	25	19.85	20.02	19.83	19.67	19.73		
10	QPSK	50	0	19.94	20.09	19.90	19.75	19.89		
10	16QAM	1	0	19.83	19.98	19.83	19.64	19.61	20.5	0
10	16QAM	1	25	19.77	19.97	19.74	19.69	19.63		
10	16QAM	1	49	19.76	19.95	19.75	19.57	19.58		
10	16QAM	25	0	19.99	20.11	19.90	19.80	19.76	20.5	0
10	16QAM	25	12	19.99	20.14	19.90	19.80	19.76		
10	16QAM	25	25	19.96	20.08	19.90	19.76	19.73		
10	16QAM	50	0	20.01	20.12	19.94	19.80	19.78		
10	64QAM	1	0	19.90	19.99	19.65	19.57	19.52	20.5	0
10	64QAM	1	25	19.74	19.86	19.63	19.50	19.55		
10	64QAM	1	49	19.78	19.88	19.58	19.55	19.52		
10	64QAM	25	0	20.13	20.18	19.93	19.84	19.88	20.5	0
10	64QAM	25	12	20.10	20.19	19.92	19.86	19.88		
10	64QAM	25	25	20.13	20.19	19.92	19.81	19.88		
10	64QAM	50	0	20.04	20.20	19.91	19.81	19.80		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.08	20.23	20.07	19.88	19.97	20.5	0
5	QPSK	1	12	20.15	20.26	20.08	19.96	19.95		
5	QPSK	1	24	20.10	20.25	20.03	19.93	19.90		
5	QPSK	12	0	19.94	20.10	19.88	19.67	19.72	20.5	0
5	QPSK	12	7	19.97	20.12	19.90	19.72	19.73		
5	QPSK	12	13	19.97	20.07	19.91	19.73	19.81		
5	QPSK	25	0	19.97	20.08	19.90	19.67	19.76		
5	16QAM	1	0	19.91	20.01	19.84	19.64	19.65	20.5	0
5	16QAM	1	12	19.93	20.06	19.87	19.71	19.65		
5	16QAM	1	24	19.92	20.10	19.86	19.73	19.71		
5	16QAM	12	0	19.89	19.98	19.77	19.56	19.59	20.5	0
5	16QAM	12	7	19.87	20.06	19.80	19.59	19.63		
5	16QAM	12	13	19.89	20.02	19.79	19.61	19.62		
5	16QAM	25	0	19.94	20.05	19.85	19.63	19.64		
5	64QAM	1	0	19.58	19.66	19.44	19.24	19.23	20.5	0
5	64QAM	1	12	19.61	19.65	19.40	19.24	19.21		
5	64QAM	1	24	19.63	19.66	19.41	19.31	19.26		
5	64QAM	12	0	19.88	20.13	19.95	19.88	19.87	20.5	0
5	64QAM	12	7	19.92	20.09	20.00	19.86	19.85		
5	64QAM	12	13	19.95	20.10	20.04	19.81	19.86		
5	64QAM	25	0	20.01	19.98	19.96	19.82	19.88		

<LTE Band 41 Power Class 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.25	20.23	20.20	20.25	20.21		
20	QPSK	1	49	20.32	20.20	20.35	20.31	20.43	20.5	0
20	QPSK	1	99	20.10	20.18	20.23	20.20	20.19		
20	QPSK	50	0	20.39	20.41	20.30	20.25	20.40		
20	QPSK	50	24	20.41	20.40	20.33	20.23	20.42	20.5	0
20	QPSK	50	50	20.40	20.42	20.34	20.13	20.40		
20	QPSK	100	0	20.40	20.41	20.28	20.18	20.41		
20	16QAM	1	0	20.40	20.33	20.21	20.28	20.41	20.5	0
20	16QAM	1	49	20.32	20.41	20.26	20.20	20.36		
20	16QAM	1	99	20.28	20.41	20.24	20.21	20.42		
20	16QAM	50	0	20.38	20.36	20.29	20.35	20.40	20.5	0
20	16QAM	50	24	20.41	20.40	20.35	20.23	20.41		
20	16QAM	50	50	20.41	20.42	20.34	20.17	20.40		
20	16QAM	100	0	20.38	20.40	20.31	20.18	20.41	20.5	0
20	64QAM	1	0	20.25	20.31	20.05	19.99	19.90		
20	64QAM	1	49	20.27	20.31	20.09	19.97	19.99		
20	64QAM	1	99	20.25	20.24	20.09	19.98	20.19	20.5	0
20	64QAM	50	0	20.15	20.15	20.07	19.90	19.97		
20	64QAM	50	24	20.07	20.11	19.89	19.77	19.79		
20	64QAM	50	50	20.05	20.04	19.89	19.78	19.99	20.5	0
20	64QAM	100	0	20.05	20.05	19.87	19.70	19.77		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.19	20.27	20.04	20.04	19.88		
15	QPSK	1	37	20.16	20.32	20.12	20.02	20.03	20.5	0
15	QPSK	1	74	20.19	20.16	20.07	19.87	20.11		
15	QPSK	36	0	20.36	20.41	20.24	20.19	20.10		
15	QPSK	36	20	20.40	20.41	20.31	20.19	20.16	20.5	0
15	QPSK	36	39	20.38	20.42	20.30	20.11	20.19		
15	QPSK	75	0	20.40	20.40	20.30	20.17	20.29		
15	16QAM	1	0	20.40	20.31	20.23	20.31	20.05	20.5	0
15	16QAM	1	37	20.35	20.31	20.28	20.22	20.21		
15	16QAM	1	74	20.31	20.39	20.28	20.10	20.35		
15	16QAM	36	0	20.28	20.41	20.24	20.20	20.08	20.5	0
15	16QAM	36	20	20.39	20.30	20.31	20.05	20.20		
15	16QAM	36	39	20.36	20.35	20.29	20.02	20.20		
15	16QAM	75	0	20.33	20.41	20.31	20.20	20.21	20.5	0
15	64QAM	1	0	19.98	20.08	19.75	19.77	19.70		
15	64QAM	1	37	19.86	20.06	19.83	19.72	19.73		
15	64QAM	1	74	19.87	19.89	19.78	19.72	19.83	20.5	0
15	64QAM	36	0	19.98	19.97	20.02	19.93	19.94		
15	64QAM	36	20	20.00	20.12	19.87	19.72	19.71		
15	64QAM	36	39	19.98	20.01	19.83	19.75	19.76	20.5	0
15	64QAM	75	0	20.03	20.04	19.85	19.79	19.74		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.98	20.11	19.89	19.79	19.82		
10	QPSK	1	25	19.97	20.11	19.91	19.80	19.83	20.5	0
10	QPSK	1	49	20.00	20.07	19.89	19.79	19.80		

10	QPSK	25	0	20.20	20.36	20.11	20.05	20.05	20.5	0
10	QPSK	25	12	20.23	20.32	20.14	20.07	20.03		
10	QPSK	25	25	20.16	20.32	20.14	20.05	19.97		
10	QPSK	50	0	20.21	20.37	20.15	20.07	20.09		
10	16QAM	1	0	20.26	20.38	20.17	20.07	20.06	20.5	0
10	16QAM	1	25	20.26	20.35	20.13	20.06	20.04		
10	16QAM	1	49	20.20	20.33	20.14	20.04	20.02		
10	16QAM	25	0	20.27	20.41	20.14	20.00	20.04	20.5	0
10	16QAM	25	12	20.28	20.38	20.16	20.03	20.03		
10	16QAM	25	25	20.22	20.38	20.15	20.01	19.99		
10	16QAM	50	0	20.25	20.39	20.18	20.03	20.03		
10	64QAM	1	0	19.85	19.92	19.74	19.77	19.79	20.5	0
10	64QAM	1	25	19.82	19.86	19.85	19.74	19.78		
10	64QAM	1	49	19.74	19.86	19.70	19.71	19.73		
10	64QAM	25	0	19.98	20.03	19.75	19.72	19.77	20.5	0
10	64QAM	25	12	19.99	20.01	19.75	19.73	19.79		
10	64QAM	25	25	19.80	20.00	19.72	19.71	19.78		
10	64QAM	50	0	19.89	19.99	19.71	19.78	19.74		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.01	20.14	20.02	19.83	19.85	20.5	0
5	QPSK	1	12	20.07	20.18	19.98	19.87	19.86		
5	QPSK	1	24	20.06	20.20	20.00	19.84	19.87		
5	QPSK	12	0	20.25	20.37	20.15	20.03	20.04	20.5	0
5	QPSK	12	7	20.25	20.38	20.20	20.04	20.07		
5	QPSK	12	13	20.24	20.37	20.20	20.06	20.08		
5	QPSK	25	0	20.23	20.34	20.16	19.99	20.04		
5	16QAM	1	0	20.30	20.40	20.21	20.06	20.05	20.5	0
5	16QAM	1	12	20.35	20.40	20.21	20.09	20.07		
5	16QAM	1	24	20.28	20.41	20.22	20.11	20.08		
5	16QAM	12	0	20.29	20.39	20.14	19.96	20.00	20.5	0
5	16QAM	12	7	20.28	20.41	20.19	19.99	20.04		
5	16QAM	12	13	20.27	20.41	20.17	20.05	20.02		
5	16QAM	25	0	20.32	20.41	20.16	20.02	20.03		
5	64QAM	1	0	19.92	19.92	19.78	19.73	19.75	20.5	0
5	64QAM	1	12	19.88	19.95	19.75	19.73	19.70		
5	64QAM	1	24	19.87	20.00	19.72	19.73	19.79		
5	64QAM	12	0	19.93	20.01	19.74	19.74	19.76	20.5	0
5	64QAM	12	7	19.97	20.01	19.79	19.78	19.82		
5	64QAM	12	13	19.93	19.99	19.75	19.70	19.74		
5	64QAM	25	0	19.94	20.06	19.79	19.72	19.77		

<LTE Band 48>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	16.74	16.94	16.69	16.65	17	0
20	QPSK	1	49	16.57	16.75	16.66	16.63		
20	QPSK	1	99	16.72	16.74	16.68	16.65		
20	QPSK	50	0	16.58	16.91	16.80	16.76		
20	QPSK	50	24	16.57	16.87	16.66	16.72	17	0
20	QPSK	50	50	16.56	16.62	16.71	16.60		
20	QPSK	100	0	16.54	16.90	16.83	16.67		
20	16QAM	1	0	16.54	16.73	16.64	16.71		
20	16QAM	1	49	16.52	16.65	16.58	16.67	17	0
20	16QAM	1	99	16.50	16.72	16.52	16.71		
20	16QAM	50	0	16.47	16.78	16.55	16.90		
20	16QAM	50	24	16.54	16.44	16.63	16.92		
20	16QAM	50	50	16.52	16.47	16.72	16.93	17	0
20	16QAM	100	0	16.54	16.54	16.67	16.93		
20	64QAM	1	0	16.65	16.64	16.73	16.61		
20	64QAM	1	49	16.65	16.48	16.58	16.65		
20	64QAM	1	99	16.62	16.41	16.54	16.70	17	0
20	64QAM	50	0	16.57	16.64	16.47	16.82		
20	64QAM	50	24	16.47	16.75	16.42	16.75		
20	64QAM	50	50	16.37	16.63	16.41	16.86		
20	64QAM	100	0	16.41	16.42	16.64	16.81		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.41	16.64	16.60	16.62	17	0
15	QPSK	1	37	16.37	16.73	16.63	16.64		
15	QPSK	1	74	16.44	16.57	16.64	16.57		
15	QPSK	36	0	16.55	16.73	16.72	16.46		
15	QPSK	36	20	16.53	16.67	16.73	16.35	17	0
15	QPSK	36	39	16.64	16.58	16.54	16.34		
15	QPSK	75	0	16.55	16.47	16.58	16.65		
15	16QAM	1	0	16.62	16.41	16.47	16.63		
15	16QAM	1	37	16.47	16.51	16.38	16.36	17	0
15	16QAM	1	74	16.41	16.58	16.55	16.31		
15	16QAM	36	0	16.37	16.66	16.57	16.35		
15	16QAM	36	20	16.45	16.52	16.53	16.44		
15	16QAM	36	39	16.46	16.72	16.52	16.51	17	0
15	16QAM	75	0	16.37	16.64	16.63	16.72		
15	64QAM	1	0	16.54	16.52	16.54	16.66		
15	64QAM	1	37	16.53	16.57	16.37	16.73		
15	64QAM	1	74	16.57	16.56	16.37	16.57	17	0
15	64QAM	36	0	16.64	16.52	16.34	16.55		
15	64QAM	36	20	16.63	16.55	16.47	16.70		
15	64QAM	36	39	16.57	16.67	16.49	16.63		
15	64QAM	75	0	16.56	16.47	16.56	16.44		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.62	16.70	16.53	16.34	17	0
10	QPSK	1	25	16.60	16.39	16.49	16.51		
10	QPSK	1	49	16.33	16.71	16.52	16.50		
10	QPSK	25	0	16.28	16.54	16.64	16.54		



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10	QPSK	25	12	16.32	16.63	16.44	16.43		
10	QPSK	25	25	16.41	16.65	16.63	16.50		
10	QPSK	50	0	16.48	16.70	16.49	16.61		
10	16QAM	1	0	16.69	16.50	16.69	16.52	17	0
10	16QAM	1	25	16.63	16.59	16.61	16.59		
10	16QAM	1	49	16.70	16.60	16.49	16.44		
10	16QAM	25	0	16.54	16.54	16.54	16.60	17	0
10	16QAM	25	12	16.52	16.52	16.64	16.54		
10	16QAM	25	25	16.67	16.70	16.55	16.53		
10	16QAM	50	0	16.60	16.69	16.44	16.38	17	0
10	64QAM	1	0	16.41	16.54	16.38	16.34		
10	64QAM	1	25	16.59	16.62	16.48	16.41		
10	64QAM	1	49	16.61	16.58	16.55	16.52	17	0
10	64QAM	25	0	16.54	16.51	16.61	16.44		
10	64QAM	25	12	16.43	16.52	16.70	16.38		
10	64QAM	25	25	16.32	16.44	16.54	16.34	17	0
10	64QAM	50	0	16.31	16.38	16.70	16.59		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.38	16.74	16.69	16.66	17	0
5	QPSK	1	12	16.41	16.80	16.80	16.69		
5	QPSK	1	24	16.48	16.85	16.84	16.68		
5	QPSK	12	0	16.58	16.77	16.84	16.70	17	0
5	QPSK	12	7	16.42	16.58	16.61	16.85		
5	QPSK	12	13	16.35	16.52	16.65	16.81		
5	QPSK	25	0	16.58	16.46	16.61	16.84	17	0
5	16QAM	1	0	16.69	16.49	16.74	16.67		
5	16QAM	1	12	16.57	16.36	16.66	16.59		
5	16QAM	1	24	16.36	16.35	16.72	16.81	17	0
5	16QAM	12	0	16.50	16.58	16.73	16.66		
5	16QAM	12	7	16.37	16.41	16.55	16.65		
5	16QAM	12	13	16.39	16.60	16.59	16.65	17	0
5	16QAM	25	0	16.35	16.60	16.64	16.76		
5	64QAM	1	0	16.58	16.62	16.65	16.74		
5	64QAM	1	12	16.49	16.61	16.61	16.68	17	0
5	64QAM	1	24	16.57	16.67	16.65	16.79		
5	64QAM	12	0	16.48	16.52	16.73	16.31		
5	64QAM	12	7	16.52	16.48	16.71	16.66	17	0
5	64QAM	12	13	16.41	16.66	16.59	16.69		
5	64QAM	25	0	16.49	16.57	16.64	16.68		



<Reduced power mode 3 for Hotspot with 5GHz Wifi>

<UAT>

<LTE Band 48>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	20.3	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.49	19.78	19.63	19.68	20.3	0
20	QPSK	1	49	19.43	19.75	19.60	19.65		
20	QPSK	1	99	19.32	19.76	19.62	19.58		
20	QPSK	50	0	19.54	19.76	19.53	19.65	20.3	0
20	QPSK	50	24	19.53	19.72	19.52	19.63		
20	QPSK	50	50	19.45	19.67	19.48	19.54		
20	QPSK	100	0	19.47	19.68	19.56	19.71	20.3	0
20	16QAM	1	0	19.56	19.69	19.46	19.56		
20	16QAM	1	49	19.67	19.71	19.51	19.68		
20	16QAM	1	99	19.65	19.75	19.42	19.71	20.3	0
20	16QAM	50	0	19.53	19.77	19.43	19.63		
20	16QAM	50	24	19.57	19.68	19.56	19.54		
20	16QAM	50	50	19.57	19.59	19.57	19.52	20.3	0
20	16QAM	100	0	19.61	19.70	19.40	19.59		
20	64QAM	1	0	19.36	19.65	19.52	19.57		
20	64QAM	1	49	19.34	19.60	19.48	19.46	20.3	0
20	64QAM	1	99	19.33	19.64	19.44	19.62		
20	64QAM	50	0	19.53	19.58	19.35	19.65		
20	64QAM	50	24	19.57	19.63	19.46	19.52	20.3	0
20	64QAM	50	50	19.59	19.64	19.51	19.63		
20	64QAM	100	0	19.58	19.58	19.58	19.45		
Channel				55315	55820	56160	56665	20.3	0
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	19.46	19.64	19.58	19.45	20.3	0
15	QPSK	1	37	19.45	19.54	19.55	19.51		
15	QPSK	1	74	19.39	19.52	19.56	19.50		
15	QPSK	36	0	19.35	19.58	19.46	19.56	20.3	0
15	QPSK	36	20	19.45	19.52	19.61	19.45		
15	QPSK	36	39	19.52	19.56	19.48	19.35		
15	QPSK	75	0	19.45	19.65	19.58	19.45	20.3	0
15	16QAM	1	0	19.45	19.63	19.52	19.44		
15	16QAM	1	37	19.44	19.68	19.40	19.49		
15	16QAM	1	74	19.40	19.59	19.55	19.50	20.3	0
15	16QAM	36	0	19.39	19.54	19.56	19.56		
15	16QAM	36	20	19.37	19.64	19.61	19.52		
15	16QAM	36	39	19.51	19.50	19.68	19.46	20.3	0
15	16QAM	75	0	19.46	19.62	19.45	19.48		
15	64QAM	1	0	19.38	19.68	19.46	19.43		
15	64QAM	1	37	19.33	19.58	19.58	19.33	20.3	0
15	64QAM	1	74	19.43	19.63	19.52	19.56		
15	64QAM	36	0	19.48	19.53	19.53	19.54		
15	64QAM	36	20	19.46	19.45	19.33	19.45	20.3	0
15	64QAM	36	39	19.52	19.46	19.39	19.60		
15	64QAM	75	0	19.52	19.59	19.45	19.45		
Channel				55290	55815	56165	56690	20.3	0
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	19.39	19.45	19.44	19.35	20.3	0
10	QPSK	1	25	19.33	19.48	19.41	19.42		



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10	QPSK	1	49	19.45	19.38	19.40	19.38	20.3	0
10	QPSK	25	0	19.29	19.40	19.29	19.40		
10	QPSK	25	12	19.46	19.51	19.35	19.28		
10	QPSK	25	25	19.35	19.52	19.26	19.35		
10	QPSK	50	0	19.45	19.47	19.35	19.36	20.3	0
10	16QAM	1	0	19.38	19.52	19.25	19.46		
10	16QAM	1	25	19.46	19.48	19.23	19.47		
10	16QAM	1	49	19.49	19.38	19.35	19.29	20.3	0
10	16QAM	25	0	19.35	19.36	19.36	19.33		
10	16QAM	25	12	19.39	19.41	19.42	19.25		
10	16QAM	25	25	19.42	19.52	19.44	19.36		
10	16QAM	50	0	19.39	19.56	19.36	19.48	20.3	0
10	64QAM	1	0	19.51	19.45	19.42	19.40		
10	64QAM	1	25	19.49	19.48	19.23	19.46		
10	64QAM	1	49	19.48	19.43	19.39	19.38	20.3	0
10	64QAM	25	0	19.43	19.35	19.46	19.33		
10	64QAM	25	12	19.35	19.38	19.28	19.29		
10	64QAM	25	25	19.25	19.42	19.30	19.36		
10	64QAM	50	0	19.29	19.43	19.41	19.47	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	20.3	0
5	QPSK	1	0	19.44	19.35	19.37	19.39		
5	QPSK	1	12	19.31	19.42	19.52	19.38		
5	QPSK	1	24	19.41	19.19	19.53	19.34	20.3	0
5	QPSK	12	0	19.35	19.35	19.58	19.33		
5	QPSK	12	7	19.23	19.19	19.40	19.31		
5	QPSK	12	13	19.35	19.29	19.52	19.41		
5	QPSK	25	0	19.33	19.30	19.46	19.37	20.3	0
5	16QAM	1	0	19.39	19.24	19.47	19.36		
5	16QAM	1	12	19.38	19.19	19.27	19.34		
5	16QAM	1	24	19.44	19.32	19.33	19.42	20.3	0
5	16QAM	12	0	19.33	19.17	19.39	19.49		
5	16QAM	12	7	19.23	19.29	19.36	19.50		
5	16QAM	12	13	19.33	19.33	19.41	19.55		
5	16QAM	25	0	19.27	19.13	19.38	19.62	20.3	0
5	64QAM	1	0	19.33	19.25	19.30	19.39		
5	64QAM	1	12	19.40	19.37	19.41	19.55		
5	64QAM	1	24	19.37	19.39	19.33	19.48	20.3	0
5	64QAM	12	0	19.38	19.40	19.53	19.39		
5	64QAM	12	7	19.43	19.46	19.51	19.42		
5	64QAM	12	13	19.20	19.42	19.45	19.38		
5	64QAM	25	0	19.27	19.35	19.55	19.31	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	20.3	0
5	QPSK	1	0	19.44	19.35	19.37	19.39		
5	QPSK	1	12	19.31	19.42	19.52	19.38		
5	QPSK	1	24	19.41	19.19	19.53	19.34	20.3	0
5	QPSK	12	0	19.35	19.35	19.58	19.33		
5	QPSK	12	7	19.23	19.19	19.40	19.31		
5	QPSK	12	13	19.35	19.29	19.52	19.41		
5	QPSK	25	0	19.33	19.30	19.46	19.37	20.3	0
5	16QAM	1	0	19.39	19.24	19.47	19.36		
5	16QAM	1	12	19.38	19.19	19.27	19.34		
5	16QAM	1	24	19.44	19.32	19.33	19.42	20.3	0
5	16QAM	12	0	19.33	19.17	19.39	19.49		
5	16QAM	12	7	19.23	19.29	19.36	19.50		
5	16QAM	12	13	19.33	19.33	19.41	19.55		
5	16QAM	25	0	19.27	19.13	19.38	19.62	20.3	0
5	64QAM	1	0	19.33	19.25	19.30	19.39		
5	64QAM	1	12	19.40	19.37	19.41	19.55		
5	64QAM	1	24	19.37	19.39	19.33	19.48	20.3	0
5	64QAM	12	0	19.38	19.40	19.53	19.39		
5	64QAM	12	7	19.43	19.46	19.51	19.42		
5	64QAM	12	13	19.20	19.42	19.45	19.38		
5	64QAM	25	0	19.27	19.35	19.55	19.31	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	20.3	0
5	QPSK	1	0	19.44	19.35	19.37	19.39		
5	QPSK	1	12	19.31	19.42	19.52	19.38		
5	QPSK	1	24	19.41	19.19	19.53	19.34	20.3	0
5	QPSK	12	0	19.35	19.35	19.58	19.33		
5	QPSK	12	7	19.23	19.19	19.40	19.31		
5	QPSK	12	13	19.35	19.29	19.52	19.41		
5	QPSK	25	0	19.33	19.30	19.46	19.37	20.3	0
5	16QAM	1	0	19.39	19.24	19.47	19.36		
5	16QAM	1	12	19.38	19.19	19.27	19.34		
5	16QAM	1	24	19.44	19.32	19.33	19.42	20.3	0
5	16QAM	12	0	19.33	19.17	19.39	19.49		
5	16QAM	12	7	19.23	19.29	19.36	19.50		
5	16QAM	12	13	19.33	19.33	19.41	19.55		
5	16QAM	25	0	19.27	19.13	19.38	19.62	20.3	0
5	64QAM	1	0	19.33	19.25	19.30	19.39		
5	64QAM	1	12	19.40	19.37	19.41	19.55		
5	64QAM	1	24	19.37	19.39	19.33	19.48	20.3	0
5	64QAM	12	0	19.38	19.40	19.53	19.39		
5	64QAM	12	7	19.43	19.46	19.51	19.42		
5	64QAM	12	13	19.20	19.42	19.45	19.38		
5	64QAM	25	0	19.27	19.35	19.55	19.31	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	20.3	0
5	QPSK	1	0	19.44	19.35	19.37	19.39		
5	QPSK	1	12	19.31	19.42	19.52	19.38		
5	QPSK	1	24	19.41	19.19	19.53	19.34	20.3	0
5	QPSK	12	0	19.35	19.35	19.58	19.33		
5	QPSK	12	7	19.23	19.19	19.40	19.31		
5	QPSK	12	13	19.35	19.29	19.52	19.41		
5	QPSK	25	0	19.33	19.30	19.46	19.37	20.3	0
5	16QAM	1	0	19.39	19.24	19.47	19.36		
5	16QAM	1	12	19.38	19.19	19.27	19.34		
5	16QAM	1	24	19.44	19.32	19.33	19.42	20.3	0
5	16QAM	12	0	19.33	19.17	19.39	19.49		
5	16QAM	12	7	19.23	19.29	19.36	19.50		
5	16QAM	12	13	19.33	19.33	19.41	19.55		
5	16QAM	25	0	19.27	19.13	19.38	19.62	20.3	0
5	64QAM	1	0	19.33	19.25	19.30	19.39		
5	64QAM	1	12	19.40	19.37	19.41	19.55		
5	64QAM	1	24	19.37	19.39	19.33	19.48	20.3	0
5	64QAM	12	0	19.38	19.40	19.53	19.39		
5	64QAM	12	7	19.43	19.46	19.51	19.42		
5	64QAM	12	13	19.20	19.42	19.45	19.38		
5	64QAM	25	0	19.27	19.35	19.55	19.31	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	20.3	0
5	QPSK	1	0	19.44	19.35	19.37	19.39		
5	QPSK	1	12	19.31	19.42	19.52	19.38		
5	QPSK	1	24	19.41	19.19	19.53	19.34	20.3	0
5	QPSK	12	0	19.35	19.35	19.58	19.33		
5	QPSK	12	7	19.23	19.19	19.40	19.31		
5	QPSK	12	13	19.35	19.29	19.52	19.41		
5	QPSK	25	0	19.33	19.30	19.46	19.37	20.3	0
5	16QAM	1	0	19.39	19.24	19.47	19.36		
5	16QAM	1	12	19.38	19.19	19.27	19.34		
5	16QAM	1	24	19.44	19.32	19.33	19.42	20.3	0
5	16QAM	12	0	19.33	19.17	19.39	19.49		
5	16QAM	12	7	19.23	19.29	19.36	19.50		
5	16QAM	12	13	19.33	19.33	19.41	19.55		
5	16QAM	25	0	19.27	19.13	19.38	19.62	20.3	0
5	64QAM	1	0	19.33	19.25	19.30	19.39		
5	64QAM	1	12	19.40	19.37	19.41	19.55		
5	64QAM	1	24	19.37	19.39	19.33	19.48	20.3	0
5	64QAM	12	0	19.38	19.40	19.53	19.39		
5	64QAM	12	7	19.43	19.46	19.51	19.42		
5	64QAM	12	13	19.20	19.42	19.45	19.38		
5	64QAM	25	0	19.27	19.35	19.55	19.31	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	20.3	0
5	QPSK	1	0	19.44	19.35	19.37	19.39		
5	QPSK	1	12	19.31	19.42	19.52	19.38		
5	QPSK	1	24	19.41	19.19	19.53	19.34	20.3	0
5	QPSK	12	0	19.35	19.35	19.58	19.33		
5	QPSK	12	7	19.23	19.19	19.40	19.31		
5	QPSK	12	13	19.35	19.29	19.52	19.41		
5	QPSK	25	0	19.33	19.30	19.46	19.37	20.3	0
5	16QAM	1	0	19.39	19.24	19.47	19.36		
5	16QAM	1	12	19.38	19.19	19.27	19.34		
5	16QAM	1	24	19.44	19.32	19.33	19.42	20.3	0
5	16QAM	12	0	19.33	19.17	19.39	19.49		
5	16QAM	12	7	19.23	19.29	19.36	19.50		
5	16QAM	12	13	19.33	19.33	19.41	19.55		
5	16QAM	25	0	19.27	19.13	19.38	19.62	20.3	0
5	64QAM	1	0	19.33	19.25	19.30	19.39		
5	64QAM	1	12	19.40	19.37	19.41	19.55		
5	64QAM	1	24	19.37	19.39	19.33	19.48	20.3	0
5	64QAM	12	0	19.38	19.40	19.53	19.39		
5	64QAM	12	7	19.43	19.46	19.51	19.42		
5	64QAM	12	13	19.20	19.42	19.45	19.38		
5	64QAM	25	0	19.27	19.35	19.55	19.31	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	20.3	0
5	QPSK	1	0	19.44	19.35	19.37	19.39		
5	QPSK	1	12	19.31	19.42	19.52	19.38		

<Band 41 Power Class 2 and Power Class 3 Linearity>

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required

<LTE Band 41 Linearity Data for Head>
<Full power>
<LAT>

	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.80	26.30
Reported 1g SAR (W/kg)	0.084	0.102
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	151.85	184.71
Linearity SAR (W/kg)	0.102	
% deviation from expected linearity		-0.18%

<Reduced power mode 1 for At-Head>
<UAT>

	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	19.50
Reported 1g SAR (W/kg)	0.904	0.629
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	56.42	38.59
Linearity SAR (W/kg)	0.618	
% deviation from expected linearity		1.72%

<Reduced power mode 2 for At-Head with 2.4GHz Wifi>
<UAT>

	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	19.50
Reported 1g SAR (W/kg)	0.904	0.629
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	56.42	38.59
Linearity SAR (W/kg)	0.618	
% deviation from expected linearity		1.72%

<Reduced power mode 2 for At-Head with 5GHz Wifi>
<UAT>

	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	20.50	20.50
Reported 1g SAR (W/kg)	1.185	0.772
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	71.02	48.58
Linearity SAR (W/kg)	0.811	
% deviation from expected linearity		-4.76%

<LTE Band 41 Linearity Data for Hotspot>
<Full power>
<UAT>

	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.90	24.40
Reported 1g SAR (W/kg)	0.521	0.631
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	98.04	119.26
Linearity SAR (W/kg)	0.634	
% deviation from expected linearity		-0.43%

<LAT>

	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.80	26.30
Reported 1g SAR (W/kg)	0.876	0.971
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	151.85	184.71
Linearity SAR (W/kg)	1.066	
% deviation from expected linearity		-8.88%

<LTE Band 41 Linearity Data for Body-worn>
<Full power>
<UAT>

	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.90	24.40
Reported 1g SAR (W/kg)	0.195	0.229
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	98.04	119.26
Linearity SAR (W/kg)	0.237	
% deviation from expected linearity		-3.46%

<LAT>

	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.80	26.30
Reported 1g SAR (W/kg)	0.204	0.266
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	151.85	184.71
Linearity SAR (W/kg)	0.248	
% deviation from expected linearity		7.19%

<LTE Carrier Aggregation combinations>
General Note:

1. This device supports carrier aggregation on uplink and downlink for inter and intra band. For the device supports combination bands and configurations are according to 3GPP and the combinations list as below table.
2. All permutations exist. No restrictions on Pcell & Scell combinations. Only LTE Band 29 and band 46 is limited to Scell.

2CC Downlink Carrier Aggregation					3CC Downlink Carrier Aggregation				
Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset
1	CA_12A-30A				1	CA_12A-30A-66A	B66		
2	CA_12A-66A	B66			2	CA_12A-66A-66A	B66,B66-B66		
3	CA_13A-66A	B66			3	CA_12A-66C	B66C		
4	CA_25A-26A				4	CA_13A-66A-66A	B66,B66-B66		
5	CA_29A-30A				5	CA_2A-12A-30A	B2		
6	CA_2A-12A	B2			6	CA_2A-12A-66A	B2,B66,B2-B66		
7	CA_2A-13A	B2			7	CA_2A-13A-66A	B2,B66,B2-B66		
8	CA_2A-29A	B2			8	CA_2A-29A-30A	B2		
9	CA_2A-2A	B2,B2-B2			9	CA_2A-2A-12A	B2,B2-B2		
10	CA_2A-30A	B2			10	CA_2A-2A-12A	B2, B2-B2		
11	CA_2A-48A	B2			11	CA_2A-2A-13A	B2,B2-B2		
12	CA_2A-4A	B2,B4,B2-B4			12	CA_2A-2A-4A	B2,B4,B2-B2,B2-B4		
13	CA_2A-4A				13	CA_2A-2A-5A	B2,B2-B2		
14	CA_2A-4A	B2,B2-B4			14	CA_2A-2A-66A	B2,B66,B2-B2,B2-B66		
15	CA_2A-5A	B2			15	CA_2A-2A-66A	B2,B66, B2-B2,B2-B66		
16	CA_2A-66A	B2,B66,B2-B66			16	CA_2A-2A-71A	B2, B2-B2		
17	CA_2A-66A	B2,B2-B66			17	CA_2A-48A-48A	B2		
18	CA_2A-71A	B2			18	CA_2A-48A-66A	B2,B66,B2-B66		
19	CA_2A-7A	B7			19	CA_2A-48C	B2		
20	CA_2C	B2C			20	CA_2A-4A-12A	B2,B4,B2-B4		
21	CA_38C				21	CA_2A-4A-13A	B2,B4,B2-B4		
22	CA_41A-41A				22	CA_2A-4A-29A	B2,B4,B2-B4		
23	CA_41C				23	CA_2A-4A-4A	B2,B4,B2-B4,B4-B4		
24	CA_48A-48A				24	CA_2A-4A-5A	B2,B4,B2-B4		
25	CA_48A-66A	B66			25	CA_2A-4A-71A	B2,B4,B2-B4		
26	CA_48C				26	CA_2A-4A-7A	B2,B4,B7,B2-B4(PCC: B4,B7)		
27	CA_4A-12A	B4			27	CA_2A-5A-30A	B2		
28	CA_4A-13A	B4			28	CA_2A-5A-66A	B2,B66,B2-B66		
29	CA_4A-17A	B4			29	CA_2A-66A-66A	B2,B66,B2-B66,B66-B66		
30	CA_4A-29A	B4			30	CA_2A-66A-66A	B2,B66,B2-B66,B66-B66,B2-B66-B66		
31	CA_4A-30A	B4			31	CA_2A-66A-71A	B2,B66,B2-B66		
32	CA_4A-4A	B4,B4-B4			32	CA_2A-66C	B2,66C,B2-B66C		
33	CA_4A-5A	B4			33	CA_2A-7A-7A	B2,B7,B7-B7(PCC : B7)		
34	CA_4A-71A	B4			34	CA_2C-66A	B2C,B66,2C-B66A		

2CC Downlink Carrier Aggregation					3CC Downlink Carrier Aggregation				
Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset
35	CA_4A-7A	B4,B7			35	CA_41A-41C			
36	CA_4A-7A	B4,B7			36	CA_41D			
37	CA_5A-30A				37	CA_48A-48A-66A	B66		
38	CA_5A-66A	B66			38	CA_48C-48A			
39	CA_5B				39	CA_48C-66A	B66		
40	CA_66A-66A	B66,B66-B66			40	CA_48D			
41	CA_66A-71A	B66			41	CA_4A-12A-30A	B4		
42	CA_66B	B66B			42	CA_4A-29A-30A	B4		
43	CA_66B	B66B			43	CA_4A-4A-12A	B4,B4-B4		
44	CA_66C	B66C			44	CA_4A-4A-13A	B4,B4-B4		
45	CA_66C	B66C			45	CA_4A-4A-5A	B4,B4-B4		
46	CA_7A-12A	B7			46	CA_4A-4A-71A	B4,B4-B4		
47	CA_7A-7A	B7,B7-B7			47	CA_4A-4A-7A	B4,B7,B4-B4		
48	CA_7C	B7C			48	CA_4A-5A-30A	B4		
49	CA_2A-46A	B2			49	CA_4A-7A-12A	B4,B7		
50	CA_4A-46A	B4			50	CA_4A-7A-7A	B4,B7,B7-B7		
51	CA_46A-66A	B66			51	CA_5A-30A-66A	B66		
52	CA_5A-48A				52	CA_5A-66A-66A	B66,B66-B66		
					53	CA_5A-66C	B66C		
					54	CA_66A-66A-71A	B66,B66-B66		
					55	CA_66A-66C	B66,B66C		
					56	CA_66A-66C	B66,66C,B66-B66C		
					57	CA_66C-71A	B66C		
					58	CA_2A-46C	B2		
					59	CA_4A-46C	B4		
					60	CA_46C-66A	B66		
					61	CA_4A-46A-46A	B4		
					62	CA_2A-46A-46A	B2		
					63	CA_2A-46A-66A	B2,B66		
					64	CA_46A-46A-66A	B66		

4CC Downlink Carrier Aggregation					5CC Downlink Carrier Aggregation				
Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset
1	CA_2A-66C-71A	B2, 66C			1	CA_2A-46E	B2		
2	CA_2A-66A-66A-71A	B2,B66,B66-B66			2	CA_2A-2A-46D	B2		
3	CA_2A-2A-66A-71A	B2,B66,B2-B2,B2-B66			3	CA_48E-66A	B66		
4	CA_48E				4	CA_4A-46A-46D	B4		
5	CA_48D-66A	B66			5	CA_2A-46A-46D	B2		
6	CA_2A-2A-46C	B2,B2-B2			6	CA_2A-46A-46C-66A	B2,B66		
7	CA_2A-4A-7A-7A	B2,B4,B7,B2-B4,B7-B7(PCC: B4,B7)			7	CA_2A-46D-66A	B2,B66		
8	CA_2A-46D	B2							
9	CA_4A-46D	B4							
10	CA_46D-66A	B66							
11	CA_2A-46A-46A-66A	B2,B66,B2-B66							
12	CA_4A-46A-46C	B4							
13	CA_2A-46A-46C	B2							
14	CA_46A-46C-66A	B66							
15	CA_2A-46C-66A	B2,B66							
16	CA_2A-2A-66C	B2,B66C							
17	CA_2A-12A-66C	B2,B66C							
18	CA_2C-66A-66A	B2C,B66							
19	CA_2A-2A-5A-66A								
20	CA_2A-2A-13A-66A								
21	CA_2A-5A-66A-66A								
22	CA_2A-5A-66B	B2,B66B							
23	CA_2A-5A-66C	B2,B66C							
24	CA_2A-13A-66A-66A								
25	CA_2A-13A-66B	B2,B66B							
26	CA_2A-13A-66C	B2,B66C							
27	CA_2A-12A-66A-66A								
28	CA_2A-2A-66A-66A								
29	CA_2A-2A-12A-66A								

2CC Uplink Carrier Aggregation	
Combination	Restriction
7C	
41C	

<Power verification when LTE Carrier Aggregation Active>
General Note:

- i. According to KDB941225 D05A v01r02, Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.
- ii. Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.
- iii. The device supports downlink two carrier aggregation. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.
- iv. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.
- v. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.
- vi. The device supports uplink carrier aggregation for LTE B41C with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the above 3GPP requirement.
- vii. According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- viii. Uplink CA is only operating with power class 3 for LTE B41, and additional SAR measurement for TLE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA _41C active.
- ix. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lceil \frac{BW_{\text{Channel}(1)} + BW_{\text{Channel}(2)} - 0.1|BW_{\text{Channel}(1)} - BW_{\text{Channel}(2)}|}{0.6} \right\rceil 0.3 \text{ [MHz]}$$



<Downlink Two Carrier power verification>

<Full power>

<UAT>

Configure	CA List	PCC							SCC				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	21.96	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	21.91	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	22.32	22.40
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	21.29	22.40
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	21.89	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	21.86	21.99
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	22.76	22.80
	CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	21.83	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	21.81	21.99
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	21.13	21.15
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	21.83	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	21.81	21.99
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	23.40	23.42
	CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	21.90	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	21.86	21.99
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	22.46	22.59
	CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	21.84	21.99
	CA_2A-30A	Band 2	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	21.88	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	21.85	21.99
		Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	20.58	20.63
	CA_2A-46A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	21.86	21.99
	CA_2A-48A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	21.87	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	21.84	21.99
		Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	23.44	23.50
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	21.89	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	21.85	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	22.17	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	22.13	22.39
	CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 71	20M	637	68786	21.85	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 71	20M	637	68786	21.81	21.99
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	23.54	23.69
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	22.29	22.40
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	22.25	22.40
		Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	22.76	22.80
	CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	22.36	22.40
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	22.32	22.40
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	21.07	21.15
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	21.02	21.15
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	22.36	22.40
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	21.32	22.40
		Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	23.31	23.42
	CA_4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	22.35	22.40
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	22.33	22.40



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Intra-Band	Contiguous		Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	22.44	22.59
		CA_4A-17A	Band 4	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	22.28	22.40
			Band 4(4*4MIMO)	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	22.23	22.40
			Band 17	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	22.86	22.90
		CA_4A-29A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	22.34	22.40
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	22.32	22.40
		CA_4A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	22.27	22.40
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	22.23	22.40
			Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	20.56	20.63
		CA_4A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	22.27	22.40
		CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	22.32	22.40
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	22.29	22.40
			Band 71	20M	683	133322	QPSK	1	0	Band 4	20M	2132.5	2175	23.47	23.69
		CA_5A-30A	Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	22.76	22.80
			Band 30	10M	2310	27710	QPSK	1	0	Band 5	10M	881.5	2525	20.51	20.63
		CA_5A-48A	Band 5	10M	836.5	20525	QPSK	1	0	Band 48	20M	3560	55340	22.66	22.80
			Band 48	20M	3609	55830	QPSK	1	0	Band 5	10M	881.5	2525	23.32	23.50
		CA_5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	22.69	22.80
			Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	22.12	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	22.08	22.39
		CA_7A-12A	Band 7	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	21.02	21.15
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	20.98	21.15
			Band 12	10M	707.5	23095	QPSK	1	49	Band 7	20M	2655	3100	23.23	23.42
		CA_12A-30A	Band 12	10M	707.5	23095	QPSK	1	49	Band 30	10M	2355	9820	23.25	23.42
			Band 30	10M	2310	27710	QPSK	1	0	Band 12	10M	737.5	5095	20.45	20.63
		CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	23.18	23.42
			Band 66	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	22.21	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	22.19	22.39
		CA_13A-66A	Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	22.44	22.59
			Band 66	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	22.30	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	22.26	22.39
		CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	0	Band 26	15M	876.5	8865	21.64	21.86
			Band 26	15M	831.5	26865	QPSK	1	0	Band 25	20M	1962.5	8365	22.68	22.85
		CA_29A-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 29	10M	722.5	9715	20.37	20.63
		CA_66A-71A	Band 66	20M	1720	132072	QPSK	1	0	Band 71	20M	637	68786	22.25	22.39
			Band 66(4*4MIMO)	20M	1720	132072	QPSK	1	0	Band 71	20M	637	68786	22.21	22.39
			Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	23.55	23.69
			Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	22.14	22.39
		CA_66A-46A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	22.09	22.39
		CA_48A-48A	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	23.27	23.50
			Band 48	20M	3560	55340	QPSK	1	0	Band 66	20M	2155	66886	23.21	23.50
		CA_48A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	22.35	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	22.31	22.39
		CA_66A-71A	Band 66	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	22.16	22.39
			Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	23.34	23.69
Intra-Band	Contiguous	CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	21.88	21.99
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	21.85	21.99
		CA_5B	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	10M	891.4	2624	22.74	22.80
		CA_7C	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	21.11	21.15
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	21.05	21.15
		CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2560.2	37652	20.71	20.80



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	Non-Contiguous	CA_41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	20.69	20.72
		CA_66B	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	22.26	22.39
		CA_66C	Band 66(4*4MIMO)	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	22.21	22.39
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	22.21	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	22.18	22.39
		CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	21.92	21.99
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	21.90	21.99
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	22.30	22.40
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	22.26	22.40
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	21.09	21.15
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	21.03	21.15
		CA_41A-41A	Band 41	20M	2680	41490	QPSK	1	49	Band 41	5M	2498.5	39675	20.63	20.72
		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	22.26	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	22.21	22.39

<LAT>

Configure	CA List	PCC							SCC				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	23.25	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	23.22	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	23.52	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	23.45	23.72
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	23.22	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	23.19	23.31
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	22.34	22.45
	CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	23.26	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	23.22	23.31
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	23.08	23.25
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	23.03	23.25
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	23.28	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	23.25	23.31
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	22.87	23.01
	CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	23.29	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	23.24	23.31
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	22.05	22.06
	CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	23.24	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	23.21	23.31
	CA_2A-30A	Band 2	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	23.21	23.31
		Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	22.38	22.56
	CA_2A-46A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	23.27	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	23.24	23.31
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	23.30	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	23.26	23.31
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	23.45	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	23.35	23.73
	CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 71	20M	637	68786	23.28	23.31
		Band	20M	1880	18900	QPSK	1	0	Band 71	20M	637	68786	23.23	23.31



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		2(4*4MIMO)												
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	23.32	23.43
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.62	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.58	23.72
		Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	22.37	22.45
	CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.45	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.41	23.72
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	22.83	23.25
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	22.79	23.25
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	23.60	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	23.55	23.72
		Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	22.89	23.01
	CA_4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	23.59	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	23.53	23.72
		Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	21.98	22.06
	CA_4A-17A	Band 4	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	23.67	23.72
		Band 4(4*4MIMO)	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	23.67	23.72
		Band 17	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	22.43	22.49
	CA_4A-29A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	23.54	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	23.51	23.72
	CA_4A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	23.45	23.72
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	22.32	22.56
	CA_4A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	23.56	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	23.50	23.72
	CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	23.65	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	23.62	23.72
		Band 71	20M	683	133322	QPSK	1	0	Band 4	20M	2132.5	2175	23.33	23.43
	CA_5A-30A	Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	22.33	22.45
		Band 30	10M	2310	27710	QPSK	1	0	Band 5	10M	881.5	2525	22.27	22.56
	CA_5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	22.36	22.45
		Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	23.42	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	23.40	23.73
	CA_7A-12A	Band 7	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	22.84	23.25
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	22.82	23.25
		Band 12	10M	707.5	23095	QPSK	1	49	Band 7	20M	2655	3100	22.90	23.01
	CA_12A-30A	Band 12	10M	707.5	23095	QPSK	1	49	Band 30	10M	2355	9820	22.96	23.01
		Band 30	10M	2310	27710	QPSK	1	0	Band 12	10M	737.5	5095	22.26	22.56
	CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	22.97	23.01
		Band 66	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	23.47	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	23.43	23.73
	CA_13A-66A	Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	22.03	22.06
		Band 66	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	23.43	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	23.38	23.73
	CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	0	Band 26	15M	876.5	8865	23.05	23.18
		Band 26	15M	831.5	26865	QPSK	1	0	Band 25	20M	1962.5	8365	22.24	22.45
	CA_29A-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 29	10M	722.5	9715	22.22	22.56
	CA_66A-46A	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	23.44	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	23.39	23.73
	CA_66A-71A	Band 66	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	23.46	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	23.42	23.73

Intra-Band	Contiguous	CA_2C	Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	23.33	23.43
			Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	23.21	23.31
		CA_5B	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	23.18	23.31
			Band 5	10M	836.5	20525	QPSK	1	0	Band 5	10M	891.4	2624	22.41	22.45
		CA_7C	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	22.87	23.25
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	22.83	23.25
		CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2560.2	37652	22.83	22.97
		CA_41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	22.62	23.29
	Non-Contiguous	CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	23.52	23.73
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	23.48	23.73
		CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	23.26	23.31
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	23.22	23.31
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	23.61	23.72
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	23.59	23.72
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	22.93	23.25
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	22.90	23.25
		CA_41A-41A	Band 41	20M	2680	41490	QPSK	1	49	Band 41	5M	2498.5	39675	22.61	23.29
		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	23.52	23.73
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	23.48	23.73

<Reduced power mode 1 for At-Head>
<UAT>

Configure	CA List	PCC							SCC				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	16.91	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	16.85	16.92
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	17.88	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	17.81	17.95
	CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	16.91	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	16.85	16.92
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	17.52	17.70
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	17.46	17.70
	CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	16.87	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	16.69	16.92
	CA_2A-30A	Band 2	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	16.72	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	16.61	16.92
		Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	19.16	19.21
	CA_2A-46A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	16.74	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	16.69	16.92
	CA_2A-48A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	16.81	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	16.74	16.92
		Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	16.86	16.94
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	16.75	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	16.66	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	17.86	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	17.71	17.91
	CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	17.93	17.95

			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	17.85	17.95
			Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	17.52	17.70
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	17.41	17.70
		CA_4A-29A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	17.79	17.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	17.65	17.95
		CA_4A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	17.80	17.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	17.73	17.95
			Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	19.20	19.21
		CA_4A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	17.75	17.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	17.67	17.95
		CA_13A-66A	Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	21.46	21.61
			Band 66	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	17.76	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	17.62	17.91
		CA_29A-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 29	10M	722.5	9715	19.10	19.21
		CA_66A-46A	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	17.71	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	17.62	17.91
		CA_48A-48A	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	16.88	16.94
		CA_48A-66A	Band 48	20M	3560	55340	QPSK	1	0	Band 66	20M	2155	66886	17.73	17.91
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	16.74	16.94
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	16.68	16.94
Intra-Band	Contiguous	CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	16.72	16.92
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	16.66	16.92
		CA_7C	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	17.63	17.70
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	17.52	17.70
		CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2560.2	37652	18.63	18.71
		CA_41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	19.16	19.22
		CA_48C	Band 48	20M	3609	55830	QPSK	1	0	Band 41	20M	3628.8	56028	16.92	16.94
		CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	17.83	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	17.75	17.91
	Non-Contiguous	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	16.72	16.92
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	16.63	16.92
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	17.76	17.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	17.65	17.95
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	17.52	17.70
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	17.46	17.70
		CA_41A-41A	Band 41	20M	2680	41490	QPSK	1	49	Band 41	5M	2498.5	39675	19.03	19.22
		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	17.90	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	17.82	17.91



<Reduced power mode 2 for At-Head with 2.4GHz Wifi>
<UAT>

Configure	CA List	PCC							SCC				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	17.28	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	17.23	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	18.37	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	18.31	18.39
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	17.23	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	17.19	17.38
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	21.31	21.35
	CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	17.29	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	17.25	17.38
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	18.16	18.18
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	18.12	18.18
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	17.27	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	17.21	17.38
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	22.62	22.77
	CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	17.33	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	17.26	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	19.91	20.05
	CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	17.19	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	17.12	17.38
	CA_2A-30A	Band 2	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	17.20	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	17.12	17.38
		Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	18.70	18.75
	CA_2A-46A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	17.31	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	17.23	17.38
	CA_2A-48A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	17.30	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	17.24	17.38
		Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	16.79	16.94
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	17.37	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	17.32	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	17.79	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	17.68	17.91
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	18.33	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	18.26	18.39
		Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	21.22	21.35
	CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	18.34	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	18.23	18.39
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	18.14	18.18
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	18.28	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	18.19	18.39
		Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	22.69	22.77
	CA_4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	18.31	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	18.27	18.39
		Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	19.87	20.05
	CA_4A-29A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	18.36	18.39



FCC SAR TEST REPORT

Report No. : FA8D2526-01

Intra-Band		CA_4A-30A	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	18.32	18.39
			Band 4	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	18.35	18.39
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	18.33	18.39
			Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	18.70	18.75
		CA_4A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	18.35	18.39
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	18.28	18.39
		CA_5A-30A	Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	21.23	21.35
			Band 30	10M	2310	27710	QPSK	1	0	Band 5	10M	881.5	2525	18.67	18.75
		CA_5A-48A	Band 5	10M	836.5	20525	QPSK	1	0	Band 48	20M	3560	55340	21.25	21.35
			Band 48	20M	3609	55830	QPSK	1	0	Band 5	10M	881.5	2525	16.86	16.94
		CA_5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	21.22	21.35
			Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	17.87	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	17.76	17.91
		CA_7A-12A	Band 7	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	18.07	18.18
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	17.95	18.18
			Band 12	10M	707.5	23095	QPSK	1	49	Band 7	20M	2655	3100	22.74	22.77
		CA_12A-30A	Band 12	10M	707.5	23095	QPSK	1	49	Band 30	10M	2355	9820	22.62	22.77
			Band 30	10M	2310	27710	QPSK	1	0	Band 12	10M	737.5	5095	18.69	18.75
		CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	22.59	22.77
			Band 66	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	17.79	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	17.72	17.91
		CA_13A-66A	Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	19.88	20.05
			Band 66	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	17.86	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	17.79	17.91
		CA_29A-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 29	10M	722.5	9715	18.74	18.75
		CA_66A-46A	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	17.79	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	17.75	17.91
		CA_48A-48A	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	16.82	16.94
		CA_48A-66A	Band 48	20M	3560	55340	QPSK	1	0	Band 66	20M	2155	66886	16.84	16.94
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	17.77	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	17.71	17.91
Intra-Band	Contiguous	CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	17.37	17.38
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	17.28	17.38
		CA_5B	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	10M	891.4	2624	21.20	21.35
		CA_7C	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	18.10	18.18
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	18.02	18.18
		CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2560.2	37652	18.64	18.71
		CA_41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	19.15	19.22
		CA_48C	Band 48	20M	3609	55830	QPSK	1	0	Band 41	20M	3628.8	56028	16.76	16.94
		CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	17.82	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	17.78	17.91
	Non-Contiguous	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	17.25	17.38
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	17.19	17.38
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	18.33	18.39
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	18.24	18.39
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	18.17	18.18
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	18.12	18.18
		CA_41A-41A	Band 41	20M	2680	41490	QPSK	1	49	Band 41	5M	2498.5	39675	19.15	19.22
		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	17.90	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	17.85	17.91

<Reduced power mode 2 for At-Head with 5GHz Wifi>
<UAT>

Configure	CA List	PCC							SCC				Power	
		LTE	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	17.29	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	17.24	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	17.87	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	17.85	17.95
	CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	17.36	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	17.34	17.38
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	17.56	17.70
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	17.53	17.70
	CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	17.20	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	17.15	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	21.46	21.61
	CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	17.18	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	17.14	17.38
	CA_2A-30A	Band 2	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	17.36	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	17.21	17.38
		Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	17.18	17.38
	CA_2A-46A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	17.32	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	17.26	17.38
	CA_2A-48A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	17.18	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	17.16	17.38
		Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	16.78	16.94
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	17.23	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	17.19	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	17.76	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	17.73	17.91
	CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	17.94	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	17.91	17.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	17.53	17.70
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	17.52	17.70
	CA_4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	17.93	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	17.89	17.95
		Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	21.43	21.61
	CA_4A-29A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	17.82	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	17.78	17.95
	CA_4A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	17.87	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	17.84	17.95
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	17.34	17.38
	CA_4A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	17.89	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	17.85	17.95
	CA_13A-66A	Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	21.46	21.61
		Band 66	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	17.80	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	17.77	17.91

Intra-Band	Contiguous	CA_29A-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 29	10M	722.5	9715	17.30	17.38
		CA_66A-46A	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	17.78	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	17.73	17.91
		CA_48A-48A	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	16.90	16.94
		CA_48A-66A	Band 48	20M	3560	55340	QPSK	1	0	Band 66	20M	2155	66886	16.74	16.94
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	17.81	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	17.75	17.91
			Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	17.23	17.38
	Non-Contiguous	CA_2C	Band 4(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	17.21	17.38
		CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2560.2	37652	18.69	18.71
		CA_41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	20.12	20.30
		CA_48C	Band 48	20M	3609	55830	QPSK	1	0	Band 41	20M	3628.8	56028	16.89	16.94
		CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	17.82	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	17.78	17.91
		CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	17.24	17.38
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	17.19	17.38
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	17.76	17.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	17.74	17.95
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	17.59	17.70
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	17.56	17.70
		CA_41A-41A	Band 41	20M	2680	41490	QPSK	1	49	Band 41	5M	2498.5	39675	20.11	20.30
		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	17.75	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	17.71	17.91

**<Reduced power mode3 for Hotspot with 5GHz Wifi>
<UAT>**

Configure	CA List	PCC								SCC				Power	
		LTE	BW	UL	UL		UL#	UL		LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	19.07	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	19.02	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900	18.88	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900	18.86	18.95
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525	19.04	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525	19.01	19.09
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	17.98	18.05
	CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	18.92	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	18.85	19.09
		Band 7	20M	2560	21350	QPSK	1	99		Band 2	20M	1960	900	19.79	19.84
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99		Band 2	20M	1960	900	19.73	19.84
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095	18.90	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095	18.85	19.09
	CA_2A-13A	Band 12	10M	707.5	23095	QPSK	1	49		Band 2	20M	1960	900	19.51	19.63
		Band 2	20M	1880	18900	QPSK	1	0		Band 13	10M	751	5230	19.03	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 13	10M	751	5230	19.01	19.09
	CA_2A-29A	Band 13	10M	782	23230	QPSK	1	25		Band 2	20M	1960	900	19.12	19.30
		Band 2	20M	1880	18900	QPSK	1	0		Band 29	10M	722.5	9715	18.90	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 29	10M	722.5	9715	18.86	19.09
	CA_2A-46A	Band 2	20M	1880	18900	QPSK	1	0		Band 46	20M	5540	50690	18.94	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 46	20M	5540	50690	18.91	19.09
	CA_2A-48A	Band 2	20M	1880	18900	QPSK	1	0		Band 48	20M	3560	55340	19.01	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 48	20M	3560	55340	18.98	19.09



FCC SAR TEST REPORT

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Intra-Band	Contiguous	CA_2A-66A	2(4*4MIMO)												
			Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	19.77	19.78
		CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	18.98	19.09
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	18.95	19.09
			Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	18.80	19.00
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	18.75	19.00
			CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 71	20M	637	68786	19.04
		Band 2(4*4MIMO)		20M	1880	18900	QPSK	1	0	Band 71	20M	637	68786	19.02	19.09
		Band 71		20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	20.29	20.40
		CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	18.86	18.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	18.81	18.95
			Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	18.04	18.05
		CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	18.94	18.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	18.92	18.95
			Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	19.82	19.84
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	19.76	19.84
		CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	18.90	18.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	18.84	18.95
			Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	19.51	19.63
		CA_4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	18.83	18.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	18.76	18.95
			Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	19.28	19.30
		CA_4A-17A	Band 4	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	18.91	18.95
			Band 4(4*4MIMO)	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	18.85	18.95
			Band 17	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	20.95	21.11
		CA_4A-29A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	18.94	18.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	18.92	18.95
		CA_4A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	18.82	18.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	18.80	18.95
		CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	18.79	18.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	18.75	18.95
			Band 71	20M	683	133322	QPSK	1	0	Band 4	20M	2132.5	2175	20.37	20.40
		CA_5A-48A	Band 5	10M	836.5	20525	QPSK	1	0	Band 48	20M	3560	55340	17.94	18.05
			Band 48	20M	3609	55830	QPSK	1	0	Band 5	10M	881.5	2525	19.58	19.78
		CA_5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	17.94	18.05
			Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	18.88	19.00
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	18.83	19.00
			Band 7	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	19.74	19.84
		CA_7A-12A	Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	19.71	19.84
			Band 12	10M	707.5	23095	QPSK	1	49	Band 7	20M	2655	3100	19.45	19.63
			Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	19.62	19.63
		CA_12A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	18.82	19.00
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	18.79	19.00
		CA_13A-66A	Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	19.16	19.30
			Band 66	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	18.83	19.00
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	18.77	19.00
		CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	0	Band 26	15M	876.5	8865	19.76	19.88
			Band 26	15M	831.5	26865	QPSK	1	0	Band 25	20M	1962.5	8365	19.47	19.55
		CA_66A-46A	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	18.98	19.00
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	18.93	19.00
		CA_48A-48A	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	19.73	19.78
			Band 48	20M	3560	55340	QPSK	1	0	Band 66	20M	2155	66886	19.68	19.78
		CA_48A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	18.83	19.00
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	18.78	19.00
				Band 66	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	18.88
		CA_66A-71A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	18.81	19.00
			Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	20.29	20.40
		Intra-Band	Contiguous	CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902

			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	18.95	19.09
		CA_5B	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	10M	891.4	2624	17.92	18.05
		CA_7C	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	19.74	19.84
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	19.73	19.84
		CA_48C	Band 48	20M	3609	55830	QPSK	1	0	Band 41	20M	3628.8	56028	19.68	19.78
		CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	18.95	19.00
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	18.91	19.00
	Non-Contiguous	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	18.95	19.09
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	18.91	19.09
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	18.84	18.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	18.82	18.95
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	19.74	19.84
		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	18.97	19.00
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	18.93	19.00

**<Reduced power mode 3 for Hotspot with 2.4GHz Wifi>
<UAT>**

Configure		CA List	PCC							SCC				Power	
			LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
			Band	(MHz)	Freq.	Channel		RB	Offset	Band	(MHz)	Freq.	Channel	Tx. Power (dBm)	Tx. Power (dBm)
					(MHz)							(MHz)			
Intra-Band	Contiguous	CA_5B	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	10M	891.4	2624	22.19	22.26

**<Reduced power mode 1 for Hotspot>
<LAT>**

Configure	CA List	PCC							SCC				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	21.35	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	21.33	21.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	21.68	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	21.64	21.71
	CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	21.24	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	21.22	21.38
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	21.79	21.93
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	21.74	21.93
	CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	21.28	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	21.26	21.38
	CA_2A-46A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	21.23	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	21.20	21.38
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	21.19	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	21.17	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	21.68	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	21.65	21.78
	CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	21.54	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	21.50	21.71

Intra-Band	Contiguous	CA_4A-29A	Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	21.89	21.93
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	21.85	21.93
		CA_4A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	21.54	21.71
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	21.52	21.71
		CA_66A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	21.63	21.71
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	21.61	21.71
		CA_66A-46A	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	21.67	21.78
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	21.63	21.78
	Non-Contiguous	CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	21.23	21.38
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	21.21	21.38
		CA_7C	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	21.92	21.93
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	21.90	21.93
		CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	21.59	21.78
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	21.56	21.78
		CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	21.26	21.38
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	21.24	21.38
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	21.66	21.71
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	21.65	21.71
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	21.82	21.93
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	21.78	21.93
		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	21.60	21.78
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	21.56	21.78

<Reduced power for Product specific>
<LAT>

Configure	CA List	PCC								SCC				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	RB	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	Offset		Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	20.12	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	20.10	20.29
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900	20.44	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900	20.41	20.61
	CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	20.09	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	20.08	20.29
		Band 7	20M	2560	21350	QPSK	1	99		Band 2	20M	1960	900	21.18	21.26
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99		Band 2	20M	1960	900	21.15	21.26
	CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	0		Band 29	10M	722.5	9715	20.14	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 29	10M	722.5	9715	20.10	20.29
	CA_2A-46A	Band 2	20M	1880	18900	QPSK	1	0		Band 46	20M	5540	50690	20.16	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 46	20M	5540	50690	20.14	20.29
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	20.15	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	20.14	20.29
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900	20.48	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900	20.46	20.68
	CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	20.44	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	20.40	20.61

Intra-Band	Contiguous	CA_4A-29A	Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	21.10	21.26
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	21.08	21.26
			Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	20.42	20.61
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	20.40	20.61
			Band 7	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	20.40	21.26
			Band 7(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	20.35	21.26
		CA_4A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	20.57	20.61
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540	50690	20.55	20.61
		CA_66A-46A	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	20.64	20.68
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	20.62	20.68
	Non-Contiguous	CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	20.19	20.29
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1960.2	902	20.15	20.29
		CA_7C	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	21.08	21.26
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	21.05	21.26
		CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	20.51	20.68
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	20.48	20.68
		CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	20.27	20.29
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	20.26	20.29
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	20.41	20.61
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	20.38	20.61
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	21.20	21.26
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	21.18	21.26
		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	20.66	20.68
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	20.65	20.68

<Downlink Three Carrier power verification>
<Full power>
<UAT>

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	21.98	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	21.85	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	22.24	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	21.19	22.4
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.8	22.8
	CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	21.93	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	22.91	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	22.4	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	22.35	22.4
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	21.08	21.15
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.01	21.15
	CA_2A-4A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	21.96	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	21.92	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 2	20M	1960	900	22.34	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 2	20M	1960	900	22.29	22.4



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	CA_2A-4A-13A	Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	23.39	23.42
		Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	21.89	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	21.85	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	22.31	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	22.27	22.4
	CA_2A-4A-29A	Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.41	22.59
		Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	21.94	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	21.89	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	22.32	22.4
	CA_2A-4A-71A	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	22.29	22.4
		Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 71	20M	637	68786	21.93	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 71	20M	637	68786	21.9	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	22.33	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	22.29	22.4
	CA_2A-5A-30A	Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	23.54	23.69
		Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	21.94	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	21.89	21.99
		Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	Band 2	20M	1960	900	22.67	22.8
	CA_2A-5A-66A	Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	20.58	20.63
		Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	21.95	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	21.89	21.99
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 2	20M	1960	900	22.68	22.8
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	22.31	22.39
	CA_2A-12A-30A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	22.28	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	21.9	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	21.85	21.99
		Band 12	10M	707.5	23095	QPSK	1	49	Band 30	10M	2355	9820	Band 2	20M	1960	900	23.28	23.42
	CA_2A-12A-66A	Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	20.54	20.63
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	21.87	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	21.81	21.99
		Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 2	20M	1960	900	23.31	23.42
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	22.25	22.39
	CA_2A-13A-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	22.19	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	21.97	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	21.89	21.99
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	2155	66886	Band 2	20M	1960	900	22.47	22.59
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	22.32	22.39
	CA_2A-46A-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	22.28	22.39
		Band 2	20M	1900	19100	QPSK	1	0	Band 46	20M	5540	50690	Band 66	20M	2155	66886	21.87	21.99
		Band 2(4*4MIMO)	20M	1900	19100	QPSK	1	0	Band 46	20M	5540	50690	Band 66	20M	2155	66886	21.79	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 2	20M	1960	900	22.26	22.39
	CA_2A-29A-30A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 2	20M	1960	900	22.2	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	21.85	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	21.8	21.99
	CA_2A-66A-71A	Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 29	10M	722.5	9715	20.47	20.63
		Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 71	20M	637	68786	21.91	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 71	20M	637	68786	21.85	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	22.29	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	22.19	22.39



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	CA_4A-5A-30A	Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2155	66886	23.57	23.69
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	22.31	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	22.3	22.4
		Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	Band 4	20M	2132.5	2175	22.73	22.8
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	20.56	20.63
	CA_4A-7A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	22.36	22.4
		Band 7	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	Band 4	20M	2132.5	2175	21.01	21.15
		Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	23.35	23.42
	CA_4A-12A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	22.31	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	22.25	22.4
		Band 12	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820	Band 4	20M	2132.5	2175	23.31	23.42
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	20.51	20.63
	CA_4A-29A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	22.37	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	22.31	22.4
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	20.47	20.63
	CA_5A-30A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	Band 66	20M	2155	66886	22.74	22.8
		Band 30	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886	Band 5	10M	881.5	2525	20.42	20.63
		Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	22.27	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	22.19	22.39
	CA_12A-30A-66A	Band 12	10M	707.5	23095	QPSK	1	49	Band 30	10M	2355	9820	Band 66	20M	2155	66886	23.3	23.42
		Band 30	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886	Band 12	10M	737.5	5095	20.44	20.63
		Band 66	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	22.24	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	22.19	22.39

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	21.9	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	21.81	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.23	22.4
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.89	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.81	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	22.2	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	22.19	22.4
	CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	21.95	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	21.91	21.99
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.74	22.8
	CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.93	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.88	21.99
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	21.02	21.15
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	20.95	21.15
	CA_2A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.96	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.85	21.99
	CA_2A-2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	21.89	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	21.84	21.99
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.41	23.42
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	21.9	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	21.85	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	22.36	22.39



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	CA_2A-2A-13A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	22.26	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	21.93	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	21.87	21.99
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.37	22.59
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.94	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.91	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	22.21	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	22.16	22.39
	CA_2A-48C	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	21.89	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	21.84	21.99
		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3634.9	56089	Band 2	20M	1960	900	23.35	23.5
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	21.93	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	21.86	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.2	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.16	22.39
	CA_2A-2A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 71	20M	637	68786	21.9	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 71	20M	637	68786	21.81	21.99
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.51	23.69
	CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.94	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.89	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	22.29	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	22.17	22.39
	CA_2A-48A-48A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	21.92	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	21.84	21.99
		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	23.23	23.5
	CA_2A-48A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	21.91	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	21.85	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	22.18	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	22.06	22.39
		Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	23.31	23.5
	CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	22.31	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	22.23	22.4
		Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	22.72	22.8
	CA_4A-4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	22.37	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	22.29	22.4
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21	21.15
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	20.96	21.15
	CA_4A-7A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.33	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.29	22.4
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	21.06	21.15
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	21.01	21.15
Inter-Band	CA_4A-46C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.31	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.28	22.4
	CA_4A-4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 12	10M	737.5	5095	22.34	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 12	10M	737.5	5095	22.29	22.4
		Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	23.36	23.42
	CA_4A-4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 71	20M	637	68786	22.35	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 71	20M	637	68786	22.25	22.4



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Intra-Band			Band 71	20M	683	133322	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	23.55	23.69
	CA_4A-4A-13A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	22.31	22.4
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	22.26	22.4
			Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	22.48	22.59
	CA_4A-46A-46A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	22.29	22.4
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	22.21	22.4
	CA_2A-46A-46A		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	21.87	21.99
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	21.81	21.99
	CA_66A-46A-46A		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	22.21	22.39
			Band 6(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	22.16	22.39
	CA_48A-48A-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	55640	Band 66	20M	2174.8	67084	23.34	23.5
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	22.27	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	22.19	22.39
	CA_5A-66A-66A		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.61	22.8
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	22.29	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	22.22	22.39
	CA_5A-66C		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	22.76	22.8
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	22.22	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	22.16	22.39
	CA_12A-66A-66A		Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.31	23.42
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	22.18	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	22.13	22.39
	CA_12A-66C		Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.28	23.42
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 12	10M	737.5	5095	22.26	22.39
	CA_13A-66A-66A		Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.28	22.59
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	22.21	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	22.15	22.39
	CA_66A-66A-71A		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	22.3	22.39
			Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.54	23.69
	CA_66A-46C		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.27	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.21	22.39
	CA_66C-71A		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	22.32	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	22.26	22.39
			Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.58	23.69
	CA_66A-66C		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	22.33	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	22.23	22.39
	CA_48C-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 66	20M	2174.8	67084	23.36	23.5
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	22.28	22.39
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	22.13	22.39
	CA_48C-48A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3560	55340	23.32	23.5
Intra-Band	Contiguous	CA_41D	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41094	20.65	20.72
	Contiguous	CA_48D	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	23.44	23.5
	Non-Contiguous	CA_41A-41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	5M	2687.5	41565	20.59	20.72



<LAT>

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	23.25	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	23.22	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	23.51	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	23.47	23.72
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.34	22.45
	CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	23.22	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	23.18	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	23.64	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	23.6	23.72
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	23.02	23.25
	CA_2A-4A-12A	Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.95	23.25
		Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	23.25	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	23.21	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 2	20M	1960	900	23.62	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 2	20M	1960	900	23.58	23.72
	CA_2A-4A-13A	Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.89	23.01
		Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	23.26	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	23.18	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	23.36	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	23.27	23.72
	CA_2A-4A-29A	Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	21.98	22.06
		Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	23.18	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	23.15	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	23.5	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	23.45	23.72
	CA_2A-4A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 71	20M	637	68786	23.24	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 71	20M	637	68786	23.18	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	23.51	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	23.48	23.72
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	23.23	23.43
	CA_2A-5A-30A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	23.21	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	23.18	23.31
		Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	Band 2	20M	1960	900	22.37	22.45
		Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	22.43	22.56
		Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	23.31	23.31
	CA_2A-5A-66A	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	23.28	23.31
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 2	20M	1960	900	22.33	22.45
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	23.66	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	23.58	23.73
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	23.2	23.31
	CA_2A-12A-30A	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	23.17	23.31
		Band 12	10M	707.5	23095	QPSK	1	49	Band 30	10M	2355	9820	Band 2	20M	1960	900	22.94	23.01
		Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	22.46	22.56
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	23.26	23.31



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		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	23.24	23.31
		Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 2	20M	1960	900	22.91	23.01
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	23.55	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	23.52	23.73
CA_2A-13A-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	23.24	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	23.19	23.31
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	2155	66886	Band 2	20M	1960	900	21.98	22.06
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	23.51	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	23.48	23.73
		Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 71	20M	637	68786	23.25	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 71	20M	637	68786	23.21	23.31
		Band 66	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	23.58	23.73
CA_2A-66A-71A		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	23.54	23.73
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2155	66886	23.28	23.43
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	23.49	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	23.42	23.72
CA_4A-5A-30A		Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	Band 4	20M	2132.5	2175	22.32	22.45
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	22.39	22.56
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	23.47	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	23.45	23.72
CA_4A-7A-12A		Band 7	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	Band 4	20M	2132.5	2175	23.09	23.25
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	Band 4	20M	2132.5	2175	23.04	23.25
		Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	22.87	23.01
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	23.5	23.72
CA_4A-12A-30A		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	23.45	23.72
		Band 12	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820	Band 4	20M	2132.5	2175	22.92	23.01
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	22.43	22.56
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	23.48	23.72
CA_4A-29A-30A		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	23.45	23.72
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	22.53	22.56
		Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	Band 66	20M	2155	66886	22.23	22.45
		Band 30	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886	Band 5	10M	881.5	2525	22.47	22.56
CA_5A-30A-66A		Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	23.64	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	23.61	23.73
		Band 12	10M	707.5	23095	QPSK	1	49	Band 30	10M	2355	9820	Band 66	20M	2155	66886	22.86	23.01
		Band 30	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886	Band 12	10M	737.5	5095	22.39	22.56
CA_12A-30A-66A		Band 66	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	23.6	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	23.57	23.73

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	23.26	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	23.22	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.47	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.43	23.72
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	23.21	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	23.2	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	23.49	23.72

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CA_2A-2A-5A	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	23.44	23.72
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	23.28	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	23.24	23.31
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.29	22.45
CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.29	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.26	23.31
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	22.94	23.25
	Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	22.91	23.25
CA_2A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.23	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.2	23.31
CA_2A-2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	23.27	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	23.24	23.31
	Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.85	23.01
CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	23.24	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	23.22	23.31
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	23.61	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	23.58	23.73
CA_2A-2A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	23.25	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	23.21	23.31
	Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	21.89	22.06
CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.25	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.21	23.31
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	23.57	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	23.53	23.73
CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	23.21	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	23.18	23.31
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.59	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.49	23.73
CA_2A-2A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 71	20M	637	68786	23.17	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 71	20M	637	68786	23.15	23.31
	Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.23	23.43
CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.26	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.21	23.31
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	23.6	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	23.54	23.73
CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	23.63	23.72
	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	23.56	23.72
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	22.13	22.45
CA_4A-4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	23.65	23.72
	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	23.61	23.72
	Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	22.97	23.25
	Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	22.92	23.25
CA_4A-7A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.44	23.72
	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.41	23.72
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	22.99	23.25
	Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	22.95	23.25
CA_4A-46C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.63	23.72
	Band	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.57	23.72



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			4(4*4MIMO)																	
	CA_4A-4A-12A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 12	10M	737.5	5095	23.59	23.72	
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 12	10M	737.5	5095	23.55	23.72	
			Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	22.93	23.01	
	CA_4A-4A-71A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 71	20M	637	68786	23.63	23.72	
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 71	20M	637	68786	23.6	23.72	
			Band 71	20M	683	133322	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	23.21	23.43	
	CA_4A-4A-13A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	23.58	23.72	
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	23.54	23.72	
			Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.97	22.06	
	CA_4A-46A-46A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	23.64	23.72	
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	23.61	23.72	
	CA_2A-46A-46A		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	23.22	23.31	
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	23.18	23.31	
	CA_66A-46A-46A		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	23.66	23.73	
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	23.62	23.73	
	CA_5A-66C		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	22.3	22.45	
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	23.64	23.73	
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	23.62	23.73	
	CA_12A-66A-66A		Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.89	23.01	
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	23.65	23.73	
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	23.58	23.73	
	CA_12A-66C		Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	22.89	23.01	
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 12	10M	737.5	5095	23.64	23.73	
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 12	10M	737.5	5095	23.61	23.73	
	CA_13A-66A-66A		Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.96	22.06	
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	23.61	23.73	
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	23.57	23.73	
	CA_66A-66A-71A		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	23.59	23.73	
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	23.55	23.73	
			Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.37	23.43	
	CA_66A-46C		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.58	23.73	
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.56	23.73	
	CA_66C-71A		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	23.6	23.73	
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	23.59	23.73	
			Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.25	23.43	
	CA_66A-66C		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.57	23.73	
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.56	23.73	
	Intra-Band	Contiguous	CA_41D	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41094	22.88	23.29
		Non-Contiguous	CA_41A-41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	5M	2687.5	41565	22.83	23.29



<Reduced power mode 1 for At-Head>

<UAT>

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)				Offset			(MHz)				(MHz)		(dBm)	(dBm)
Inter-Band	CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	16.91	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	16.85	16.92
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	17.75	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	17.62	17.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	17.62	17.7
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	17.59	17.7
	CA_2A-4A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	16.72	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	16.65	16.92
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	17.77	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	17.71	17.95
	CA_4A-29A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	17.91	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	17.85	17.95
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	19.18	19.21

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)				Offset			(MHz)				(MHz)		(dBm)	(dBm)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	16.92	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	16.87	16.92
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.82	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.76	17.95
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	16.9	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	16.85	16.92
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	17.91	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	17.88	17.95
	CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	16.75	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	16.71	16.92
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	17.58	17.7
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	17.52	17.7
	CA_2A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	16.81	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	16.75	16.92
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	16.74	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	16.69	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	17.84	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	17.81	17.91
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	16.83	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	16.76	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	17.72	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	17.68	17.91
	CA_2A-48C	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	16.84	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	16.79	16.92
		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3634.9	56089	Band 2	20M	1960	900	17.84	17.91



FCC SAR TEST REPORT

Report No. : FA8D2526-01

	CA_2A-2A-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	16.91	16.92
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	16.85	16.92
			Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.83	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.79	17.91
	CA_2A-66A-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	16.76	16.92
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	16.72	16.92
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	17.78	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	17.76	17.91
	CA_2A-48A-48A		Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	16.81	16.92
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	16.75	16.92
			Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	16.93	16.94
	CA_2A-48A-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	16.87	16.92
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	16.82	16.92
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	17.88	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	17.84	17.91
			Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	16.86	16.94
	CA_4A-4A-7A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	17.92	17.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	17.88	17.95
			Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.58	17.7
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.56	17.7
	CA_4A-7A-7A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.81	17.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.74	17.95
			Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	17.65	17.7
			Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	17.61	17.7
	CA_4A-46C		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.84	17.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.77	17.95
	CA_4A-46A-46A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.75	17.95
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.73	17.95
	CA_2A-46A-46A		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	16.81	16.92
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	16.72	16.92
	CA_66A-46A-46A		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.76	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.71	17.91
	CA_48A-48A-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	55640	Band 66	20M	2174.8	67084	16.83	16.94
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	17.73	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	17.69	17.91
	CA_66A-46C		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.82	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.73	17.91
	CA_66A-66C		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.83	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.78	17.91
	CA_48C-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 66	20M	2174.8	67084	16.93	16.94
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	17.82	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	17.74	17.91
	CA_48C-48A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3560	55340	16.86	16.94
	Intra-	Contiguous	CA_41D	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41094	19.13
Contiguous		CA_48D	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	16.89	16.94
Non-Contiguous		CA_41A-41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	5M	2687.5	41565	19.21	19.22



<Reduced power mode 2 for At-Head with 2.4GHz Wifi>
<UAT>

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	17.23	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	17.21	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	18.35	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	18.32	18.39
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	21.16	21.35
	CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	17.32	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	17.25	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	18.24	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	18.21	18.39
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	18.02	18.18
	CA_2A-4A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	17.27	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	17.22	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 2	20M	1960	900	18.34	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 2	20M	1960	900	18.29	18.39
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.66	22.77
	CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	17.34	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	17.28	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	18.19	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	18.16	18.39
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	19.92	20.05
	CA_2A-4A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	17.22	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	17.15	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	18.22	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	18.2	18.39
	CA_2A-5A-30A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	17.3	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	17.24	17.38
		Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	Band 2	20M	1960	900	21.24	21.35
		Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	18.72	18.75
	CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	17.28	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	17.22	17.38
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 2	20M	1960	900	21.25	21.35
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	17.77	17.91
	CA_2A-12A-30A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	17.72	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	17.37	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	17.35	17.38
		Band 12	10M	707.5	23095	QPSK	1	49	Band 30	10M	2355	9820	Band 2	20M	1960	900	22.65	22.77
	CA_2A-12A-66A	Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	18.67	18.75
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	17.36	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	17.31	17.38
		Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 2	20M	1960	900	22.62	22.77
	CA_2A-13A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	17.84	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	17.81	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	17.28	17.38



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		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	17.34	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	2155	66886	Band 2	20M	1960	900	20.03	20.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	17.87	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	17.85	17.91
	CA_4A-5A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	18.33	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	18.28	18.39
		Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	Band 4	20M	2132.5	2175	21.24	21.35
		Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	18.65	18.75
	CA_4A-7A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	18.32	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	18.29	18.39
		Band 7	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	Band 4	20M	2132.5	2175	18.03	18.18
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	Band 4	20M	2132.5	2175	17.96	18.18
	CA_4A-12A-30A	Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	22.59	22.77
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	18.19	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	18.12	18.39
		Band 12	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820	Band 4	20M	2132.5	2175	22.69	22.77
	CA_4A-29A-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	18.74	18.75
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	18.34	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	18.32	18.39
	CA_5A-30A-66A	Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	18.56	18.75
		Band 5	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	Band 66	20M	2155	66886	21.31	21.35
		Band 30	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886	Band 5	10M	881.5	2525	18.67	18.75
		Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	17.77	17.91
	CA_12A-30A-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	Band 30	10M	2355	9820	17.74	17.91
		Band 12	10M	707.5	23095	QPSK	1	49	Band 30	10M	2355	9820	Band 66	20M	2155	66886	22.71	22.77
		Band 30	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886	Band 12	10M	737.5	5095	18.67	18.75
		Band 66	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	17.78	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	17.73	17.91

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	17.23	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	17.21	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	18.37	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	18.35	18.39
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.37	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.34	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	18.21	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	18.15	18.39
	CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	17.26	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	17.22	17.38
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	21.2	21.35
	CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.37	17.38
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	18.05	18.18
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	18.01	18.18
	CA_2A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.26	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.24	17.38
	CA_2A-2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	17.32	17.38



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		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	17.26	17.38
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.65	22.77
CA_2C-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	17.2	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	17.16	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	17.79	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	17.73	17.91
CA_2A-2A-13A		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.22	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.2	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	20.04	20.05
CA_2A-66C		Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.33	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.31	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	17.74	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	17.71	17.91
CA_2A-48C		Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	17.26	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	17.23	17.38
		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3634.9	56089	Band 2	20M	1960	900	16.79	16.94
CA_2A-2A-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	17.25	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	17.22	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.77	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.75	17.91
CA_2A-66A-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.21	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.15	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	17.76	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	17.73	17.91
CA_2A-48A-48A		Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	17.31	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	17.22	17.38
		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	16.79	16.94
CA_2A-48A-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	17.23	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	17.16	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	17.76	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	17.74	17.91
		Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	16.92	16.94
CA_4A-4A-5A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	18.2	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	18.13	18.39
		Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.2	21.35
CA_4A-4A-7A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	18.22	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	18.16	18.39
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.99	18.18
CA_4A-7A-7A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.31	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.24	18.39
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	18.03	18.18
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	17.98	18.18
CA_4A-46C		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.22	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.21	18.39
CA_4A-4A-12A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 12	10M	737.5	5095	18.2	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 12	10M	737.5	5095	18.12	18.39
		Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	22.68	22.77
CA_4A-4A-13A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	18.38	18.39

			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	18.31	18.39
			Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	20	20.05
	CA_4A-46A-46A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	18.37	18.39
			Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	18.28	18.39
	CA_2A-46A-46A		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.28	17.38
			Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.21	17.38
	CA_66A-46A-46A		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.74	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.72	17.91
	CA_48A-48A-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	55640	Band 66	20M	2174.8	67084	16.85	16.94
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	17.85	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	17.82	17.91
	CA_5A-66C		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.2	21.35
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	17.77	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	17.75	17.91
	CA_12A-66A-66A		Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.74	22.77
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	17.81	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	17.78	17.91
	CA_12A-66C		Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	22.67	22.77
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 12	10M	737.5	5095	17.73	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 12	10M	737.5	5095	17.69	17.91
	CA_13A-66A-66A		Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	20.03	20.05
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	17.76	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	17.71	17.91
	CA_66A-46C		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.77	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.73	17.91
	CA_66A-66C		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.81	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.76	17.91
	CA_48C-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 66	20M	2174.8	67084	16.78	16.94
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	17.79	17.91
			Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	17.76	17.91
	CA_48C-48A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3560	55340	16.74	16.94
Intra-Band	Contiguous	CA_41D	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41094	19.03	19.22
	Contiguous	CA_48D	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	16.79	16.94
	Non-Contiguous	CA_41A-41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	5M	2687.5	41565	19.09	19.22

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Report No. : FA8D2526-01

<Reduced power mode 2 for At-Head with 5GHz Wifi>
<UAT>

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)							(MHz)				(dBm)			
Inter-Band	CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	17.29	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	17.23	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	17.94	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	17.91	17.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	17.5	17.7
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	17.46	17.7
	CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	17.24	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	17.18	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	17.85	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	17.84	17.95
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	21.58	21.61
	CA_2A-4A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	17.31	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	17.29	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	17.81	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	17.78	17.95
	CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	17.18	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	17.14	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	2155	66886	Band 2	20M	1960	900	21.46	21.61
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	17.74	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	17.72	17.91
CA_4A-29A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	17.83	17.95	
	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 30	10M	2355	9820	17.79	17.95	
	Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	17.31	17.38	

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)							(MHz)				(MHz)			
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	17.32	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	17.25	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.78	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.73	17.95
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.18	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.12	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	17.84	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	17.82	17.95
	CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.18	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.13	17.38
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	17.54	17.7
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	17.53	17.7
	CA_2A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.31	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.26	17.38
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	17.24	17.38
		Band	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	17.21	17.38



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		2(4*4MIMO)																
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	17.83	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	17.78	17.91
	CA_2A-2A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.37	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.32	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	21.51	21.61
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	17.38	17.28	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	17.38	17.22	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	17.85	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	17.81	17.91
	CA_2A-48C	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	17.37	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	17.31	17.38
		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3634.9	56089	Band 2	20M	1960	900	16.84	16.94
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	17.37	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	17.32	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.89	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.83	17.91
	CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.21	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.19	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	17.77	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	17.75	17.91
	CA_2A-48A-48A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	17.27	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	17.22	17.38
		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	16.79	16.94
	CA_2A-48A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	17.25	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	17.24	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	17.86	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	17.84	17.91
		Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	16.93	16.94
	CA_4A-4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	17.94	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	17.86	17.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.6	17.7
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.54	17.7
	CA_4A-7A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.94	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.91	17.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	17.64	17.7
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	17.59	17.7
	CA_4A-46C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.9	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.86	17.95
	CA_4A-4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	17.88	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	17.81	17.95
	CA_4A-46A-46A	Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.51	21.61
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.78	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.75	17.95
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.33	17.38
	CA_2A-46A-46A	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.28	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.85	17.91
	CA_66A-46A-46A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	17.81	17.91



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Report No. : FA8D2526-01

	CA_48A-48A-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	55640	Band 66	20M	2174.8	67084	16.79	16.94
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	17.89	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	17.85	17.91	
	CA_13A-66A-66A		Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.57	21.61
			Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	17.78	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	17.74	17.91	
	CA_66A-46C		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.87	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.82	17.91	
	CA_66A-66C		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.75	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.73	17.91	
	CA_48C-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 66	20M	2174.8	67084	16.77	16.94
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	17.79	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	17.76	17.91	
	CA_48C-48A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3560	55340	16.88	16.94
Intra-	Contiguous	CA_41D	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41094	20.23	20.3
	Contiguous	CA_48D	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	16.83	16.94
	Non-Contiguous	CA_41A-41C	Band 41	20M	2680	41490	QPSK	1	49	Band 41	20M	2660.2	41292	Band 41	5M	2687.5	41565	20.1	20.3

<Reduced power mode 3 for Hotspot with 5GHz Wifi> <UAT>

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel	Mod.	RB	RB	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)				Offset			(MHz)				(MHz)		(dBm)	(dBm)
Inter-Band	CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	18.98	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	18.91	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	18.76	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	18.73	18.95
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	17.91	18.05
	CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	18.99	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	18.92	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	18.88	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	18.87	18.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	19.68	19.84
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	19.65	19.84
	CA_2A-4A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	18.93	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	18.9	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 2	20M	1960	900	18.86	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	Band 2	20M	1960	900	18.81	18.95
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	19.62	19.63
	CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	18.98	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 13	10M	751	5230	18.91	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	18.92	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	Band 2	20M	1960	900	18.85	18.95
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	19.19	19.3
	CA_2A-4A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	18.93	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	18.88	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	18.87	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	18.83	18.95



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	CA_2A-4A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 71	20M	637	68786	18.97	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 71	20M	637	68786	18.91	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	18.89	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	18.85	18.95
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	20.21	20.4
	CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	18.89	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	18.86	19.09
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 2	20M	1960	900	17.88	18.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	18.96	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	18.93	19
	CA_2A-12A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	19.05	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	19.01	19.09
		Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 2	20M	1960	900	19.58	19.63
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	18.97	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	18.92	19
	CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	18.96	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	18.94	19.09
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	2155	66886	Band 2	20M	1960	900	19.24	19.3
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	18.85	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	18.83	19
	CA_2A-66A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 71	20M	637	68786	19	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 71	20M	637	68786	18.95	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	18.8	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	Band 2	20M	1960	900	18.76	19
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2155	66886	20.39	20.4
	CA_4A-7A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	18.83	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	18.81	18.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	Band 4	20M	2132.5	2175	19.82	19.84
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 12	10M	737.5	5095	Band 4	20M	2132.5	2175	19.79	19.84
		Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	19.51	19.63

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	19.07	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	19.01	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	18.9	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	18.88	18.95
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	19.02	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	18.96	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	18.86	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	18.82	18.95
	CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	18.92	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	18.89	19.09
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	17.88	18.05
	CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	19.04	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	19.03	19.09



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	CA_2A-46C	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	19.71	19.84
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	19.66	19.84
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.89	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.82	19.09
	CA_2A-2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	19.06	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	19.01	19.09
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	19.57	19.63
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	19.08	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	19.03	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	18.86	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	18.81	19
	CA_2A-2A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	18.94	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	18.92	19.09
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	19.25	19.3
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	17.38	18.99	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	17.38	18.95	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	18.89	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	18.83	19
	CA_2A-48C	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	19.05	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3615.1	55891	Band 48	20M	3634.9	56089	19.02	19.09
		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3634.9	56089	Band 2	20M	1960	900	19.61	19.78
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	19.05	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	19.03	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	18.88	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	18.84	19
	CA_2A-2A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 71	20M	637	68786	19.07	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 71	20M	637	68786	19.02	19.09
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	20.38	20.4
	CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	18.99	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	18.93	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	18.92	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	18.89	19
	CA_2A-48A-48A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	18.9	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	56640	18.83	19.09
		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	19.73	19.78
	CA_2A-48A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	18.99	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 48	20M	3560	55340	Band 66	5M	2197.5	67311	18.95	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	18.86	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	Band 2	20M	1960	900	18.83	19
		Band 48	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	19.67	19.78
	CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	18.76	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	18.74	18.95
		Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	17.85	18.05
	CA_4A-4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	18.75	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	18.72	18.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	19.64	19.84
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	19.62	19.84
	CA_4A-7A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.9	18.95



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		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.88	18.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	19.66	19.84
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	19.62	19.84
CA_4A-46C		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.91	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.86	18.95
CA_4A-4A-12A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 12	10M	737.5	5095	18.76	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 12	10M	737.5	5095	18.75	18.95
		Band 12	10M	707.5	23095	QPSK	1	49	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	19.5	19.63
CA_4A-4A-71A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 71	20M	637	68786	18.76	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 71	20M	637	68786	18.73	18.95
		Band 71	20M	683	133322	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	20.38	20.4
CA_4A-4A-13A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	18.94	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 13	10M	751	5230	18.85	18.95
		Band 13	10M	782	23230	QPSK	1	25	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	19.1	19.3
CA_4A-46A-46A		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	18.93	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	18.86	18.95
CA_2A-46A-46A		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	19.06	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	19.02	19.09
CA_66A-46A-46A		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	18.9	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	18.85	19
CA_48A-48A-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3690	55640	Band 66	20M	2174.8	67084	19.73	19.78
		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	18.96	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3560	55340	Band 48	20M	3690	55640	18.92	19
CA_5A-66C		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.89	18.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	18.86	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	18.83	19
CA_12A-66A-66A		Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	19.49	19.63
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	18.86	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	18.81	19
CA_12A-66C		Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	19.56	19.63
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 12	10M	737.5	5095	18.98	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 12	10M	737.5	5095	18.92	19
CA_13A-66A-66A		Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	19.11	19.3
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	18.9	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	18.85	19
CA_66A-66A-71A		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	18.89	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	18.84	19
		Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	20.29	20.4
CA_66A-46C		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.96	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.91	19
CA_66C-71A		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	18.89	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	18.83	19
		Band 71	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	20.35	20.4
CA_66A-66C		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	18.82	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	18.78	19
CA_48C-66A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 66	20M	2174.8	67084	19.64	19.78
		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	18.91	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3553.3	55273	Band 48	20M	3690	56640	18.88	19
CA_48C-48A		Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3560	55340	19.6	19.78



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Intra-	Contiguous	CA_48D	Band 48	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	19.7	19.78
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<Reduced power mode 1 for Hotspot>

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Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	21.25	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	21.21	21.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	21.56	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	21.5	21.71
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	21.92	21.93
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	21.9	21.93
	CA_2A-4A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	21.28	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	21.26	21.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	21.56	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	21.55	21.71

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	21.33	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	21.32	21.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	21.66	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	21.63	21.71
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.33	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.31	21.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	21.53	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	21.5	21.71
	CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.3	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.28	21.38
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	21.8	21.93
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	21.8	21.93
	CA_2A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.19	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.15	21.38
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	21.33	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	21.3	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	21.77	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	21.75	21.78
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.36	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.34	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	21.69	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	21.65	21.78
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	21.34	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	21.31	21.38



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		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	21.77	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	21.74	21.78
	CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.2	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.19	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	21.58	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	21.56	21.78
	CA_4A-4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	21.67	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	21.67	21.7
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.79	21.93
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.77	21.93
	CA_4A-7A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.66	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.62	21.71
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	21.73	21.93
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	21.7	21.93
	CA_4A-46C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.66	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.64	21.71
	CA_4A-46A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	21.58	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	21.55	21.71
	CA_2A-46A-46A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	21.19	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	21.16	21.38
	CA_66A-46A-46A	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	21.69	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	21.67	21.78
	CA_66A-46C	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.72	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.7	21.78
	CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.77	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.74	21.78



<Reduced power for Product specific>

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Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	20.23	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	20.22	20.29
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	20.56	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	20.54	20.61
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	21.14	21.26
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	21.1	21.26
	CA_2A-4A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	20.11	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 29	10M	722.5	9715	20.1	20.29
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	20.44	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	Band 2	20M	1960	900	20.42	20.61

Configure		PCC							SCC1				SCC2				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	20.11	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	20.1	20.29
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	20.54	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	20.52	20.61
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	20.26	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	20.24	20.29
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	20.59	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	20.56	20.61
	CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	20.19	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	20.14	20.29
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	21.22	21.26
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	21.2	21.26
	CA_2A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.14	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.1	20.29
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	20.12	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	20.1	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	20.51	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	20.48	20.68
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	20.27	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	20.23	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	20.65	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	20.62	20.68
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	20.23	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	20.2	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	20.67	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	20.63	20.68
	CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	20.11	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	20.1	20.29



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		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	20.61	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	20.6	20.68
	CA_4A-4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	20.56	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	20.52	20.61
		Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.22	21.26
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	21.2	21.26
	CA_4A-7A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	20.52	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	20.5	20.61
		Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	21.14	21.26
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 4	20M	2132.5	2175	21.11	21.26
	CA_4A-46C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.49	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.43	20.61
	CA_4A-46A-46A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	20.51	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	20.48	20.61
	CA_2A-46A-46A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	20.14	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	20.12	20.29
	CA_66A-46A-46A	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	20.56	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5905	54340	20.54	20.68
	CA_66A-46C	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.66	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.64	20.68
	CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	20.59	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	20.53	20.68

<Downlink Four Carrier power verification>

<Full power>

<UAT>

Configure		PCC							SCC1				SCC2				SCC3				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	21.95	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	21.91	21.99
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	22.67	22.8
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	22.36	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	22.21	22.39
	CA_2A-2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	21.91	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	21.89	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	22.34	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	22.26	22.39
		Band 13	10M	782	23230	QPSK	1	25	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.47	22.59
	CA_2A-4A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.79	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.68	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.4	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.29	22.4
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	21.09	21.15
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	21.03	21.15
	CA_2A-5A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.89	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.81	21.99



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		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	66886	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.78	22.8
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	22.32	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	22.25	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	21.89	21.99
CA_2A-5A-66B		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	21.8	21.99
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	22.76	22.8
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 5	10M	881.5	2525	22.32	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 5	10M	881.5	2525	22.31	22.39
CA_2A-3A-66B		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	21.86	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	21.79	21.99
		Band 13	10M	782	23230	QPSK	1	25	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	22.54	22.59
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	22.37	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	22.26	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.78	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.71	21.99
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.36	23.42
CA_2A-12A-66A-66A		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	5M	2197.5	67311	22.37	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	5M	2197.5	67311	22.24	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.78	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.65	21.99
CA_2A-2A--66C		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	22.29	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	22.16	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	20M	2174.8	67084	21.79	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	20M	2174.8	67084	21.62	21.99
CA_2A-5A--66C		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.68	22.8
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	22.27	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	22.06	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.75	21.99
CA_2A-12A--66C		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.63	21.99
		Band 12	20M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.34	23.42
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	20M	2174.8	67084	22.37	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	20M	2174.8	67084	22.24	22.39
CA_2A-13A--66C		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.86	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.78	21.99
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	22.47	22.59
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	Band 66	20M	2174.8	67084	22.34	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	Band 66	20M	2174.8	67084	22.21	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	21.87	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	21.73	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2174.8	66886	Band 71	20M	637	68786	22.32	22.39
CA_2A-66C-71A		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2174.8	66886	Band 71	20M	637	68786	21.22	22.39
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.64	23.69
		Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	21.67	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	21.61	21.99
CA_2A-66A-66A-71A		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	22.31	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	21.23	22.39
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.61	23.69
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.78	21.99
CA_2A-46D		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.75	21.99
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.32	22.4
CA_4A-46D		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.26	22.4
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	21.78	21.99



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		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	21.56	21.99
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	23.34	23.42
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	22.34	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	22.29	22.39
CA_2A-2A-13A-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	21.68	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	21.56	21.99
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	22.46	22.59
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	22.34	22.39
CA_2A-2A-66A-66A		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	22.19	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.86	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.81	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	22.24	22.39
CA_2C-66A-66A		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	22.17	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.78	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.65	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	22.32	22.39
2A-46A-46C		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	22.24	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.78	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.73	21.99
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	21.76	21.99
2A-46A-46A-66A		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	21.65	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	22.36	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	22.31	22.39
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.29	22.39
66A-46A-46C		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.23	22.39
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.31	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.24	22.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	21.79	21.99
2A-46C-66A		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	21.62	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.35	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.23	22.39
		Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	23.36	23.5
48D-66A		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	22.35	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	22.31	22.39
		Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	22.31	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	22.31	22.39



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<LAT>

Configure		PCC							SCC1				SCC2				SCC3				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	23.11	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	23.08	23.31
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	22.43	22.45
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	23.63	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	23.6	23.73
	CA_2A-2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	23.23	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	23.21	23.31
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	23.47	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	23.44	23.73
		Band 13	10M	782	23230	QPSK	1	25	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.01	22.06
	CA_2A-4A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.19	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.12	23.31
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.72	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.62	23.72
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	23.21	23.25
	CA_2A-5A-66A-66A	Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	23.18	23.25
		Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.3	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.25	23.31
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	66886	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.3	22.45
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	23.63	23.73
	CA_2A-5A-66B	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	23.59	23.73
		Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	23.24	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	23.22	23.31
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	22.26	22.45
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 5	10M	881.5	2525	23.71	23.73
	CA_2A-13A-66B	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 5	10M	881.5	2525	23.68	23.73
		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	23.3	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	23.28	23.31
		Band 13	10M	782	23230	QPSK	1	25	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	22.02	22.06
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	23.7	23.73
	CA_2A-12A-66A-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	23.66	23.73
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.24	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.21	23.31
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.95	23.01
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	5M	2197.5	67311	23.71	23.73
	CA_2A-2A--66C	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	5M	2197.5	67311	23.67	23.73
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.23	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.17	23.31
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	23.67	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	23.59	23.73
	CA_2A-5A--66C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	20M	2174.8	67084	23.21	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	20M	2174.8	67084	23.18	23.31
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	22.43	22.45
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	23.7	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	23.68	23.73
	CA_2A-12A--66C	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.25	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.22	23.31
		Band 12	20M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	22.93	23.01
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	20M	2174.8	67084	23.59	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	20M	2174.8	67084	23.55	23.73
	CA_2A-13A--66C	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.26	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.23	23.31
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.99	22.06
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	Band 66	20M	2174.8	67084	23.65	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK																



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CA_2A-66C-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	23.17	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	23.16	23.31
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2174.8	66886	Band 71	20M	637	68786	23.68	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2174.8	66886	Band 71	20M	637	68786	23.62	23.73
	Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.43	23.43
CA_2A-66A-66A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	23.27	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	23.24	23.31
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	23.69	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	23.67	23.73
	Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.37	23.43
CA_2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.24	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.2	23.31
CA_4A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.65	23.72
	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.62	23.72
CA_2A-2A-12A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	23.28	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	23.24	23.31
	Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	22.91	23.01
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	23.62	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	23.6	23.73
CA_2A-2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	23.24	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	23.18	23.31
	Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	21.97	22.06
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	23.66	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	23.65	23.73
CA_2A-2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.23	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.2	23.31
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	23.68	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	23.64	23.73
CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.19	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.17	23.31
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	23.59	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	23.57	23.73
2A-46A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.28	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.23	23.31
2A-46A-46A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	23.27	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	23.25	23.31
	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	23.71	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	23.69	23.73
	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.68	23.73
66A-46A-46C	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.64	23.73
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.66	23.73
2A-46C-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.62	23.73
	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	23.24	23.31
	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	23.21	23.31
66A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.59	23.73
	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.57	23.73



<Reduced power mode 1 for At-Head>

<UAT>

Configure		PCC							SCC1				SCC2				SCC3				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	16.9	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	16.83	16.92
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.85	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.81	17.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	17.56	17.7
	CA_2A-2A--66C	Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	17.49	17.7
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	16.77	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	16.73	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	17.76	17.91
	CA_2A-46D	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	17.7	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	16.8	16.92
	CA_4A-46D	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	16.75	16.92
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.78	17.95
	CA_2A-2A-66A-66A	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.69	17.95
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	16.81	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	16.74	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	17.72	17.91
	CA_2C-66A-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	17.65	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	16.91	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	16.86	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	17.9	17.91
	2A-46A-46C	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	17.82	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	16.89	16.92
	2A-46A-46A-66A	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	16.77	16.92
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	16.74	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	16.67	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	17.87	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	17.82	17.91
	66A-46A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.85	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.77	17.91
	2A-46C-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.76	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.72	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	16.84	16.92
	66A-46D	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	16.81	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.76	17.91
	48D-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.72	17.91
		Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	16.75	16.94
		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	17.8	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	17.74	17.91



FCC SAR TEST REPORT

Report No. : FA8D2526-01

<Reduced power mode 2 for At-Head with 2.4GHz Wifi>
<UAT>

Configure		PCC							SCC1				SCC2				SCC3				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	17.29	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	17.21	17.38
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	21.22	21.35
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	17.8	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	17.75	17.91
	CA_2A-2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	17.24	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	17.21	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.72	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.66	17.91
		Band 13	10M	782	23230	QPSK	1	25	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	19.9	20.05
	CA_2A-4A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.34	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.32	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.25	18.39
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.22	18.39
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	18.1	18.18
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	18.06	18.18
		Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.25	17.38
	CA_2A-5A-66A-66A	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.24	17.38
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	66886	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.18	21.35
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	17.85	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	17.82	17.91
	CA_2A-5A-66B	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	17.19	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	17.13	17.38
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	21.34	21.35
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 5	10M	881.5	2525	17.83	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 5	10M	881.5	2525	17.77	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	17.31	17.38
	CA_2A-3A-66B	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	17.26	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	20.03	20.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	17.84	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	17.81	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.34	17.38
	CA_2A-12A-66A-66A	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.29	17.38
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.61	22.77
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	5M	2197.5	67311	17.76	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	5M	2197.5	67311	17.71	17.91
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.25	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.22	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	17.86	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	17.82	17.91
	CA_2A-5A--66C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	20M	2174.8	67084	17.28	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	20M	2174.8	67084	17.21	17.38
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	21.33	21.35
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	17.87	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	17.86	17.91
	CA_2A-12A--66C	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.33	17.38



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		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.31	17.38
		Band 12	20M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	22.6	22.77
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	20M	2174.8	67084	17.72	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	20M	2174.8	67084	17.68	17.91
CA_2A-13A--66C		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.37	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.32	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	19.89	20.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	Band 66	20M	2174.8	67084	17.9	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	Band 66	20M	2174.8	67084	17.85	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.19	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.14	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.25	18.39
CA_4A-46D		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.21	18.39
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	17.19	17.38
CA_2A-2A-12A-66A		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	17.12	17.38
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	22.65	22.77
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	17.84	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	17.8	17.91
CA_2A-2A-13A-66A		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	17.29	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	17.24	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	20.04	20.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.89	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.85	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.35	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.31	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	17.74	17.91
CA_2A-2A-66A-66A		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	17.72	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.34	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.28	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	17.89	17.91
CA_2C-66A-66A		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	17.85	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.36	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.32	17.38
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	17.18	17.38
2A-46A-46C		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	17.14	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	17.74	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	17.71	17.91
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.88	17.91
66A-46A-46C		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.82	17.91
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.81	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.77	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	17.34	17.38
2A-46C-66A		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	17.28	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.79	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.72	17.91
		Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	16.93	16.94
48D-66A		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	17.82	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	17.76	17.91



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<Reduced power mode 2 for At-Head with 5GHz Wifi>
<UAT>

Configure		PCC							SCC1				SCC2				SCC3				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	17.29	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	17.26	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.81	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.75	17.91
		Band 13	10M	782	23230	QPSK	1	25	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	21.6	21.61
	CA_2A-4A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.29	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.24	17.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.79	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	17.75	17.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	17.6	17.7
	CA_2A-3A-66B	Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	17.56	17.7
		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	17.33	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	17.29	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	21.41	21.61
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	17.72	17.91
	CA_2A-2A--66C	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	17.65	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.22	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.19	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	17.8	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	17.76	17.91
	CA_2A-13A--66C	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.19	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	17.14	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.6	21.61
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	Band 66	20M	2174.8	67084	17.89	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	Band 66	20M	2174.8	67084	17.87	17.91
	CA_2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.37	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.34	17.38
	CA_4A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.86	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.82	17.95
	CA_2A-2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	17.36	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	17.31	17.38
		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	21.46	21.61
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.83	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	17.8	17.91
	CA_2A-2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.2	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.18	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	17.86	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	17.82	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.18	17.38
	CA_2C-66A-66A	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.14	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	17.76	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	17.71	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.26	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.22	17.38
	2A-46A-46A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	17.35	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	17.3	17.38



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		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	17.76	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	17.75	17.91
	66A-46A-46C	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.8	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.74	17.91
	2A-46C-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.77	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.73	17.91
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	17.29	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	17.25	17.38
	66A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.73	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.68	17.91
	48D-66A	Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	16.93	16.94
		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	17.78	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	17.76	17.91

<Reduced power mode 3 for Hotspot with 5GHz Wifi>
<UAT>

Configure		PCC							SCC1				SCC2				SCC3				Power	
		LTE	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	18.98	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	18.94	19.09
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	18.04	18.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	18.95	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	18.92	19
	CA_2A-2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	18.99	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	5M	2197.5	67311	18.92	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	18.96	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	18.89	19
		Band 13	10M	782	23230	QPSK	1	25	Band 66	5M	2197.5	67311	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	19.2	19.3
	CA_2A-4A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.99	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.93	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.85	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	18.82	18.95
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	19.74	19.84
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	19.71	19.84
	CA_2A-5A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	19.03	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	18.96	19.09
		Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	66886	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	17.88	18.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	18.8	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	18.75	19
	CA_2A-5A-66B	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	18.94	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	18.93	19.09
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	17.96	18.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 5	10M	881.5	2525	18.92	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 5	10M	881.5	2525	18.85	19
	CA_2A-3A-66B	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	18.94	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	18.92	19.09
		Band 13	10M	782	23230	QPSK	1	25	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	19.18	19.3
		Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	18.84	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 13	10M	751	5230	18.81	19
	CA_2A-12A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	19.01	19.09

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		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	18.89	19.09
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	19.54	19.63
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	5M	2197.5	67311	18.97	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	5M	2197.5	67311	18.92	19
CA_2A-2A--66C		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	18.93	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	18.89	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	18.9	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	18.88	19
CA_2A-5A--66C		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	20M	2174.8	67084	18.98	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 66	20M	2174.8	67084	18.94	19.09
		Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	18.02	18.05
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	18.87	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	18.83	19
		Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	18.96	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	18.92	19.09
		Band 12	20M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	19.54	19.63
CA_2A-12A--66C		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	20M	2174.8	67084	18.82	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	Band 66	20M	2174.8	67084	18.78	19
		Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	18.9	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	18.88	19.09
CA_2A-13A--66C		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	19.13	19.3
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	Band 66	20M	2174.8	67084	18.8	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 13	10M	751	5230	Band 66	20M	2174.8	67084	18.75	19
		Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	18.98	19.09
CA_2A-66C-71A		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	Band 71	20M	637	68786	18.92	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2174.8	66886	Band 71	20M	637	68786	18.84	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2174.8	66886	Band 71	20M	637	68786	18.83	19
		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	20.26	20.4
CA_2A-66A-66A-71A		Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	19	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	18.95	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	18.8	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 66	5M	2197.5	67311	Band 71	20M	637	68786	18.76	19
CA_2A-46D		Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	20.23	20.4
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	19	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.96	19.09
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.81	18.95
CA_4A-46D		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.78	18.95
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	19.03	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	19.02	19.09
		Band 12	10M	707.5	23095	QPSK	1	49	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	19.55	19.63
CA_2A-2A-12A-66A		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	18.93	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	18.88	19
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	19.01	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 66	20M	2155	66886	18.96	19.09
CA_2A-2A-13A-66A		Band 13	10M	782	23230	QPSK	1	25	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	19.26	19.3
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	18.81	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	18.76	19
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	18.97	19.09
CA_2A-2A-66A-66A		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	18.94	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	18.97	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	18.94	19
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	19.01	19.09

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		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	18.95	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	18.96	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	18.92	19
	2A-46A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	19.08	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	19.01	19.09
	2A-46A-46A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	19.08	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	19.03	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	18.97	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	18.92	19
	66A-46A-46C	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.88	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.81	19
	2A-46C-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.84	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.81	19
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	18.97	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	18.93	19.09
	66A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.97	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.92	19
	48D-66A	Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	19.61	19.78
		Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	18.85	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	18.81	19

<Reduced power mode 1 for Hotspot>
<LAT>

Configure		PCC							SCC1				SCC2				SCC3				Power	
		LTE	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.19	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.15	21.38
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.58	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.56	21.71
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	21.81	21.93
		Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	21.8	21.93
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.22	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	21.2	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	21.73	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	21.7	21.78
	CA_2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.28	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.26	21.38
	CA_4A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.59	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.58	21.71
	CA_2A-2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.23	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.22	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	21.65	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	21.64	21.78
	CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.19	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.16	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	21.63	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	21.6	21.78
	2A-46A-46C	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.25	21.38

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	2A-46A-46A-66A	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.23	21.38
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	21.34	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	21.32	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	21.67	21.78
	66A-46A-46C	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	21.65	21.78
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.58	21.78
	2A-46C-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.56	21.78
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.77	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.76	21.78
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	21.24	21.38
	66A-46D	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	21.22	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.77	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.74	21.78

<Reduced power for Product specific>
<LAT>

Configure		PCC							SCC1				SCC2				SCC3				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	20.26	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	20.22	20.29
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	20.44	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	20.4	20.61
		Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	21.07	21.26
	CA_2A-2A--66C	Band 7(4*4MIMO)	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	21.04	21.26
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	20.1	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	20.05	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	20.5	20.68
	CA_2A-46D	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2174.8	67084	20.47	20.68
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.19	20.29
	CA_4A-46D	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.17	20.29
		Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.53	20.61
	CA_2A-2A-66A-66A	Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.5	20.61
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	20.24	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	20.2	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	20.52	20.68
	CA_2C-66A-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	5M	2197.5	67311	20.5	20.68
		Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	20.17	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	20.15	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	20.49	20.68
	2A-46A-46C	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	Band 66	5M	2197.5	67311	20.45	20.68
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.28	20.29
	2A-46A-46A-66A	Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.26	20.29
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	20.26	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 66	20M	2155	66886	20.25	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	20.57	20.68
	66A-46A-46C	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5540	50690	Band 46	20M	5160	46890	Band 2	20M	900	1960	20.55	20.68
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.61	20.68
	2A-46C-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.58	20.68
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.52	20.68



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		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.5	20.68
		Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	20.15	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	Band 66	20M	2155	66886	20.11	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.61	20.68
	66A-46D	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.6	20.68

<Downlink Five Carrier power verification>

<Full power>

<UAT>

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46A-46C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	21.89	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	21.81	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.34	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.32	22.39
	CA_2A--2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.85	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.79	21.99
	CA_2A-46E	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	21.88	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	21.83	21.99
	CA_2A-46A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.84	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.81	21.99
	CA_4A-46A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.31	22.4
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.21	22.4
	CA_66A-46A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.29	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.22	22.39
	CA_48E-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	22.26	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	22.15	22.39
		Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	22.27	22.39

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46D-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	21.86	21.99
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	21.74	21.99
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.26	22.39
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.12	22.39

<LAT>

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46A-46C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	23.28	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	23.26	23.31
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.69	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	23.65	23.73
	CA_2A--2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.21	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.16	23.31
	CA_2A-46E	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	23.23	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	23.18	23.31
	CA_2A-46A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.2	23.31
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.18	23.31

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	CA_4A-46A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.66	23.72
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.62	23.72
	CA_66A-46A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.62	23.73
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	23.6	23.73

<Reduced power mode 1 for At-Head>

<UAT>

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46A-46C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	16.85	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	16.82	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.86	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.81	17.91
	CA_2A-2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	16.81	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	16.76	16.92
	CA_2A-46E	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	16.82	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	16.79	16.92
	CA_2A-46A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	16.88	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	16.82	16.92
	CA_4A-46A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.9	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.83	17.95
	CA_66A-46A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.86	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.82	17.91
	CA_48E-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	17.83	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	17.78	17.91
		Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	16.89	16.94

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46D-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	16.89	16.92
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	16.82	16.92
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.87	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.81	17.91



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Report No. : FA8D2526-01

<Reduced power mode 2 for At-Head with 2.4GHz Wifi>
<UAT>

Configure			PCC							SCC1				SCC2				SCC3				SCC4				Power	
			LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
			Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
					(MHz)							(MHz)				(MHz)				(MHz)				(MHz)		(MHz)	(dBm)
Inter-Band	CA_2A-46A-46C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	17.29	17.38	
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	17.23	17.38	
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.86	17.91	
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.82	17.91	
	CA_2A--2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.26	17.38	
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.22	17.38	
	CA_2A-46E	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	17.26	17.38	
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	17.23	17.38	
	CA_2A-46A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.28	17.38	
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.24	17.38	
	CA_4A-46A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.33	18.39	
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.31	18.39	
	CA_66A-46A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.86	17.91	
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.82	17.91	
			Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	17.83	17.91
	CA_48E-66A	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	17.78	17.91	
		Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	16.89	16.94	

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)							(MHz)				(MHz)				(MHz)				(MHz)		(MHz)	(dBm)
Inter-Band	CA_2A-46D-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	17.32	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	17.29	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.87	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.83	17.91



FCC SAR TEST REPORT

Report No. : FA8D2526-01

<Reduced power mode 2 for At-Head with 5GHz Wifi>
<UAT>

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46A-46C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	17.29	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	17.23	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.86	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	17.82	17.91
	CA_2A-2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.26	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.22	17.38
	CA_2A-46E	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	17.26	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	17.23	17.38
	CA_2A-46A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.28	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.24	17.38
	CA_4A-46A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.83	17.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.81	17.95
	CA_66A-46A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.86	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.82	17.91
	CA_48E-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	17.83	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	17.78	17.91
		Band 48	20M	3609	55830	QPSK	1	0	Band 66	20M	2155	66886	Band 48	20M	3628.8	56028	Band 48	20M	3648.6	56226	Band 48	20M	3668.4	56424	16.89	16.94

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46D-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	17.32	17.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	17.29	17.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.87	17.91
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	17.83	17.91



<Reduced power mode 3 for Hotspot with 5GHz Wifi>
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Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46A-46C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	18.89	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	18.83	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.93	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	18.89	19
	CA_2A--2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.91	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.85	19.09
	CA_2A-46E	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	18.88	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	18.83	19.09
	CA_2A-46A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.89	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.85	19.09
	CA_4A-46A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.81	18.95
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.75	18.95
	CA_66A-46A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.96	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.92	19

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)							(MHz)				(MHz)				(MHz)				(MHz)		(MHz)	(dBm)
Inter-Band	CA_2A-46D-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	18.89	19.09
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	Band 66	20M	2155	66886	18.81	19.09
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.95	19
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	18.92	19



<Reduced power mode 1 for Hotspot>
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Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)							(MHz)				(MHz)				(MHz)				(MHz)		(MHz)	(dBm)
Inter-Band	CA_2A-46A-46C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	21.26	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	21.25	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.69	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.67	21.78
	CA_2A--2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.24	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.22	21.38
	CA_2A-46E	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	21.23	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	21.2	21.38
	CA_2A-46A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.19	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.16	21.38
	CA_4A-46A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.65	21.71
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.62	21.71
	CA_66A-46A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.73	21.78
		Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.69	21.78

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46D-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.25	21.38
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.22	21.38
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.72	21.78
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.68	21.78



<Reduced power for Product specific>
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Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-46A-46C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	20.18	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	20.15	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.61	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	20.59	20.68
	CA_2A--2A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.23	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.21	20.29
	CA_2A-46E	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	20.21	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	20.2	20.29
	CA_2A-46A-46D	Band 2	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.19	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.15	20.29
	CA_4A-46A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.49	20.61
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.46	20.61
	CA_66A-46A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.56	20.68
	CA_66A-46A-46D	Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.5	20.68

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
		Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)							(MHz)				(MHz)				(MHz)				(MHz)		(MHz)	(dBm)
Inter-Band	CA_2A-46D-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.24	20.29
		Band 2(4*4MIMO)	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.22	20.29
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.58	20.68
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.56	20.68

<Power measurement when Uplink LTE Carrier Aggregation Active>
<Intra-Band Uplink carrier aggregation>
General Note:

- i. The device supports intra-band uplink carrier aggregation for LTE B7/B41 with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
- ii. According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- iii. Uplink CA is only operating with power class3, and additional SAR measurement for LTE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

<Full power>
<UAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	0	0	20.89	22.2
21100	20902	QPSK	1	99	0	0	20.85	22.2
21350	21152	QPSK	1	99	0	0	20.98	22.2

CA_41C-Class 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	49	0	0	20.51	21.9
39790	39988	QPSK	1	49	0	0	20.45	21.9
40185	40383	QPSK	1	49	0	0	20.52	21.9
40620	40422	QPSK	1	49	0	0	20.37	21.9
41055	40857	QPSK	1	49	0	0	20.36	21.9
41490	41292	QPSK	1	49	0	0	20.58	21.9

<LAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	0	0	22.89	23.8
21100	20902	QPSK	1	99	0	0	22.95	23.8
21350	21152	QPSK	1	99	0	0	22.97	23.8

CA_41C-Power Class 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	49	0	0	22.53	23.8
39790	39988	QPSK	1	49	0	0	22.47	23.8
40185	40383	QPSK	1	49	0	0	22.62	23.8
40620	40422	QPSK	1	49	0	0	22.81	23.8
41055	40857	QPSK	1	49	0	0	22.56	23.8
41490	41292	QPSK	1	49	0	0	23.06	23.8

<Reduced power mode 1 for At-Head>
<UAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
20850	21048	QPSK	50	0	0	0	17.55	18.2
21100	20902	QPSK	50	0	0	0	17.63	18.2
21350	21152	QPSK	50	0	0	0	17.56	18.2

CA_41C-Power Class 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	50	24	0	0	19.13	19.5
39790	39988	QPSK	50	24	0	0	19.09	19.5
40185	40383	QPSK	50	24	0	0	19.15	19.5
40620	40422	QPSK	50	24	0	0	19.15	19.5
41055	40857	QPSK	50	24	0	0	19.01	19.5
41490	41292	QPSK	50	24	0	0	19.16	19.5

<Reduced power mode 2 for At-Head with 2.4GHz Wifi>

<UAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
20850	21048	QPSK	50	0	0	0	18.01	18.3
21100	20902	QPSK	50	0	0	0	18.11	18.3
21350	21152	QPSK	50	0	0	0	18.16	18.3

CA_41C-Power Class 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	50	24	0	0	19.13	19.5
39790	39988	QPSK	50	24	0	0	19.09	19.5
40185	40383	QPSK	50	24	0	0	19.15	19.5
40620	40422	QPSK	50	24	0	0	19.15	19.5
41055	40857	QPSK	50	24	0	0	19.01	19.5
41490	41292	QPSK	50	24	0	0	19.16	19.5

<Reduced power mode 2 for At-Head with 5GHz Wifi>

<UAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
20850	21048	QPSK	50	0	0	0	17.55	18.2
21100	20902	QPSK	50	0	0	0	17.63	18.2
21350	21152	QPSK	50	0	0	0	17.56	18.2

CA_41C-Power Class 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	49	0	0	20.28	20.5
39790	39988	QPSK	1	49	0	0	20.26	20.5
40185	40383	QPSK	1	49	0	0	19.94	20.5
40620	40422	QPSK	1	49	0	0	20.07	20.5
41055	40857	QPSK	1	49	0	0	19.79	20.5
41490	41292	QPSK	1	49	0	0	20.27	20.5

<Reduced power mode 3 for Hotspot with 5GHz Wifi>

<UAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
20850	21048	QPSK	50	0	0	0	19.56	20.2
21100	20902	QPSK	50	0	0	0	19.69	20.2
21350	21152	QPSK	50	0	0	0	19.72	20.2

<Reduced power mode 1 for Hotspot>

<LAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	0	0	21.51	22
21100	20902	QPSK	1	99	0	0	21.75	22
21350	21152	QPSK	1	99	0	0	21.86	22

<Reduced power for Product specific>

<LAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	0	0	20.96	22
21100	20902	QPSK	1	99	0	0	21.02	22
21350	21152	QPSK	1	99	0	0	21.14	22

<WLAN Conducted Power>**General Note:**

1. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
2. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
3. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
4. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.¹⁸ The initial test position procedure is described in the following:
 - a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
 - c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

<Full power>
<2.4GHz WLAN ANT 1+2>

2.4GHz WLAN ANT 1+2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	22.07	23.07	99.24
		6	2437	21.87	23.07	
		11	2462	21.41	23.07	
	802.11g 6Mbps	1	2412	21.07	22.07	98.41
		6	2437	20.85	22.07	
		11	2462	20.45	22.07	
	802.11n-HT20 MCS0	1	2412	21.01	22.01	98.30
		6	2437	20.94	22.01	
		11	2462	20.50	22.01	
	802.11n-HT40 MCS0	3	2422	18.77	20.10	94.98
		6	2437	19.10	20.10	
		9	2452	18.86	20.10	
	802.11ac-VHT20 MCS0	1	2412	20.86	21.86	96.62
		6	2437	20.84	21.86	
		11	2462	20.40	21.86	
	802.11ac-VHT40 MCS0	3	2422	18.67	19.90	90.94
		6	2437	18.90	19.90	
		9	2452	18.76	19.90	

<5GHz WLAN ANT1+2>

5.2GHz WLAN ANT 1+2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	20.72	21.89	97.86
		40	5200	20.65	21.89	
		44	5220	20.89	21.89	
		48	5240	20.88	21.89	
	802.11n-HT20 MCS0	36	5180	20.57	21.76	98.08
		40	5200	20.65	21.76	
		44	5220	20.75	21.76	
		48	5240	20.76	21.76	
	802.11n-HT40 MCS0	38	5190	20.57	21.79	96.17
		46	5230	20.79	21.79	
	802.11ac-VHT20 MCS0	36	5180	20.55	21.74	95.63
		40	5200	20.58	21.74	
		44	5220	20.68	21.74	
		48	5240	20.74	21.74	
	802.11ac-VHT40 MCS0	38	5190	20.51	21.72	93.00
		46	5230	20.72	21.72	
	802.11ac-VHT80 MCS0	42	5210	19.73	21.72	87.13

5.3GHz WLAN ANT 1+2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	19.73	20.73	97.86
		56	5280	19.47	20.73	
		60	5300	19.53	20.73	
		64	5320	19.51	20.73	
	802.11n-HT20 MCS0	52	5260	19.66	20.66	98.08
		56	5280	19.44	20.66	
		60	5300	19.48	20.66	
		64	5320	19.52	20.66	
	802.11n-HT40 MCS0	54	5270	19.50	20.51	96.17
		62	5310	19.51	20.51	
	802.11ac-VHT20 MCS0	52	5260	19.61	20.61	95.63
		56	5280	19.42	20.61	
		60	5300	19.40	20.61	
		64	5320	19.50	20.61	
	802.11ac-VHT40 MCS0	54	5270	19.44	20.45	93.00
		62	5310	19.45	20.45	
	802.11ac-VHT80 MCS0	58	5290	18.84	19.84	87.13

5.5GHz WLAN ANT 1+2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	20.25	21.25	97.86
		116	5580	20.18	21.25	
		124	5620	20.13	21.25	
		132	5660	20.16	21.25	
		140	5700	20.13	21.25	
		144	5720	20.18	21.25	
	802.11n-HT20 MCS0	100	5500	20.14	21.14	98.08
		116	5580	20.05	21.14	
		124	5620	19.94	21.14	
		132	5660	19.98	21.14	
		140	5700	20.01	21.14	
		144	5720	19.99	21.14	
	802.11n-HT40 MCS0	102	5510	20.11	21.11	96.17
		110	5550	20.08	21.11	
		126	5630	20.06	21.11	
		134	5670	20.08	21.11	
		142	5710	20.05	21.11	
		144	5720	20.05	21.11	
	802.11ac-VHT20 MCS0	100	5500	20.06	21.06	95.63
		116	5580	20.00	21.06	
		124	5620	19.91	21.06	
		132	5660	19.93	21.06	
		140	5700	19.97	21.06	
		144	5720	19.95	21.06	
	802.11ac-VHT40 MCS0	102	5510	20.05	21.05	93.00
		110	5550	20.02	21.05	
		126	5630	20.01	21.05	
		134	5670	20.04	21.05	
		142	5710	20.02	21.05	
		144	5720	20.02	21.05	
	802.11ac-VHT80 MCS0	106	5530	19.63	20.63	87.13
		122	5610	19.44	20.63	
		138	5690	19.34	20.63	

5.8GHz WLAN ANT 1+2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	20.31	21.39	97.86
		157	5785	20.27	21.39	
		165	5825	20.39	21.39	
	802.11n-HT20 MCS0	149	5745	20.25	21.36	98.08
		157	5785	20.31	21.36	
		165	5825	20.36	21.36	
	802.11n-HT40 MCS0	151	5755	20.02	21.08	96.17
		159	5795	20.08	21.08	
	802.11ac-VHT20 MCS0	149	5745	20.21	21.33	95.63
		157	5785	20.27	21.33	
		165	5825	20.33	21.33	
	802.11ac-VHT40 MCS0	151	5755	19.99	21.04	93.00
		159	5795	20.04	21.04	
	802.11ac-VHT80 MCS0	155	5775	19.46	20.46	87.13

<Reduced power mode 1 for At-Head>
<2.4GHz WLAN ANT 1+2>

2.4GHz WLAN ANT 1+2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.07	19.50	99.24
		6	2437	18.81	19.00	
		11	2462	18.24	18.50	
	802.11g 6Mbps	1	2412	17.96	18.50	98.41
		6	2437	17.71	18.50	
		11	2462	17.42	18.50	
	802.11n-HT20 MCS0	1	2412	17.91	18.50	98.30
		6	2437	17.77	18.50	
		11	2462	17.42	18.50	
	802.11n-HT40 MCS0	3	2422	15.72	16.50	94.98
		6	2437	16.03	16.50	
		9	2452	15.71	16.50	
	802.11ac-VHT20 MCS0	1	2412	17.81	18.50	96.62
		6	2437	17.67	18.50	
		11	2462	17.27	18.50	
	802.11ac-VHT40 MCS0	3	2422	15.57	16.50	90.94
		6	2437	15.83	16.50	
		9	2452	15.61	16.50	

<Reduced power mode 1 for Hotspot>
<5GHz WLAN ANT1+2>

5.2GHz WLAN ANT 1+2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.70	18.00	97.86
		40	5200	17.63	18.00	
		44	5220	17.86	18.00	
		48	5240	17.85	18.00	
	802.11n-HT20 MCS0	36	5180	17.56	17.90	98.08
		40	5200	17.61	17.90	
		44	5220	17.73	17.90	
		48	5240	17.73	17.90	
	802.11n-HT40 MCS0	38	5190	17.54	17.90	96.17
		46	5230	17.76	17.90	
	802.11ac-VHT20 MCS0	36	5180	17.54	17.90	95.63
		40	5200	17.54	17.90	
		44	5220	17.65	17.90	
		48	5240	17.71	17.90	
	802.11ac-VHT40 MCS0	38	5190	17.49	17.90	93.00
		46	5230	17.69	17.90	
	802.11ac-VHT80 MCS0	42	5210	16.71	17.00	87.13

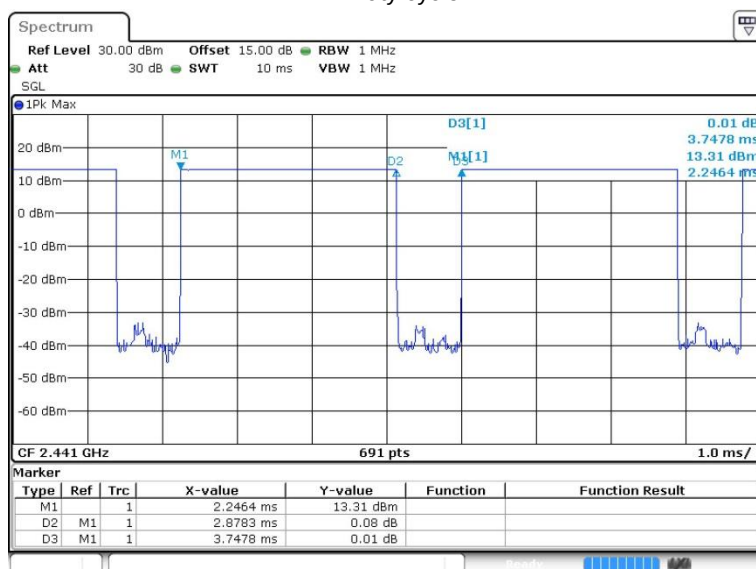
<2.4GHz Bluetooth>

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.90	10.30	10.30
	CH 39	2441	14.40	11.20	11.20
	CH 78	2480	12.30	10.00	10.00
Tune-up Limit			15.4		

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	9.90	10.00
	CH 19	2440	10.90	11.00
	CH 39	2480	9.60	9.70
Tune-up Limit			11.90	12.00

General Note:

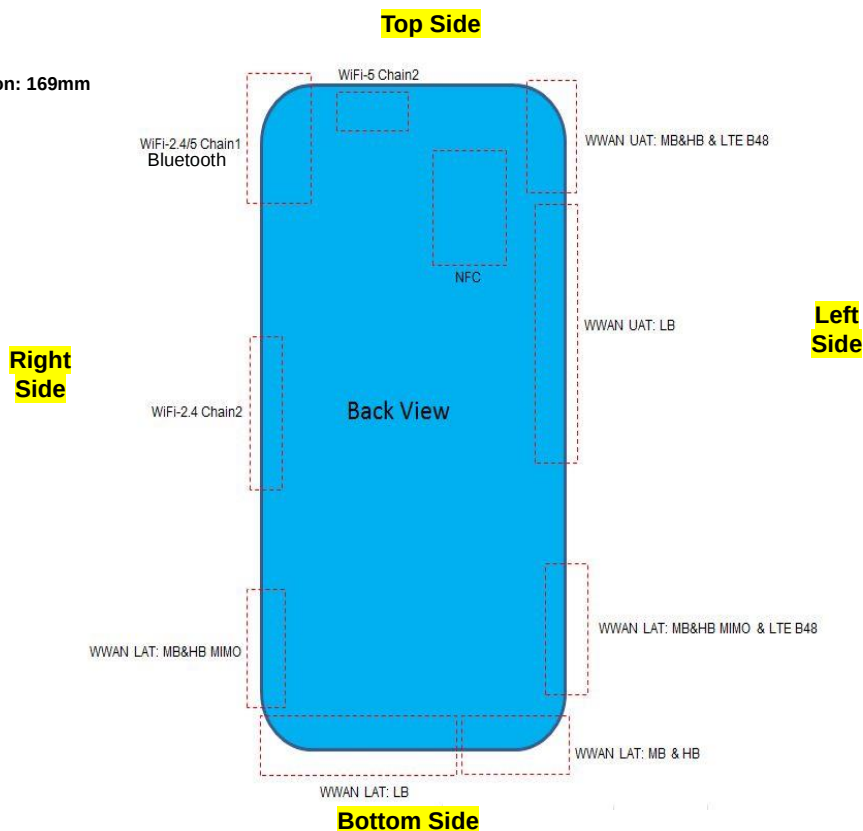
- For 2.4GHz Bluetooth SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.80% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.

BT Duty cycle


12. Antenna Location

<Mobile Phone>

EUT dimension:
 Length: 162.6mm
 Weigh: 75.9mm
 Diagonal dimension: 169mm



General Note:

- Referring to KDB 941225 D06 v02r01, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge. Therefore, the WWAN UAT is not required for Bottom side, the WWAN LAT is not required for Top Side, WLAN/BT is not required for bottom side.
- This device has WWAN UAT and LAT transmitter antennas. LAT antenna is located at the bottom edge of the device; UAT antenna is located at the left side of top edge of the device, and which can refer to antenna location chapter. LAT antenna frequency bands include GSM850/1900, WCDMA B2 / B4 / B5, CDMA BC0 / BC1 and LTE B2 / B4 / B5 / B7 / B12 / B13 / B17 / B25 / B26 / B30 / B38 / B41 / B66 / B71, UAT antenna frequency bands include GSM850/1900, WCDMA B2 / B4 / B5, CDMA BC0 / BC1 and LTE B2 / B4 / B5 / B7 / B12 / B13 / B17 / B25 / B26 / B30 / B38 / B41 / B48 / B66 / B71

13. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result.
The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
4. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g product specific SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold, for this device only bottom side SAR for WWAN transmitter scaled to maximum output power is higher than 1.2W/kg of WCDMA B2/B4, CDMA BC1 and LTE B7/B25/B66, therefore product specific SAR is necessary.
6. For 5.3GHz / 5.5GHz WLAN product specific SAR is necessary too, due to an overall diagonal dimension is > 16cm.

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

UMTS Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA / HSPA+ is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA / HSPA+ to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.

CDMA Note:

1. Per KDB 941225 D01v03r01, SAR for next to the ear head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55.
2. Per KDB 941225 D01v03r01, in Hotspot mode EUT is treated as data device and SAR is tested with Ev-Do Rev 0 (RTAP 153.6kbps) as the primary mode.
3. Per KDB 941225 D01v03r01, for Body-worn accessory SAR is measured in RC3 with the handset configured in TDSO/SO32 to transmit at full rate on FCH only with all other code channels disabled. The body-worn accessory procedures in KDB Publication 447498 are applied. The 3G SAR test reduction procedure is applied to the multiple code channel configuration (FCH+SCH), with FCH only as the primary mode.

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is $> \text{not } \frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is $> \text{not } \frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4 / B5 / B12 / B17 / B26 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. For some LTE bands SAR wrer not required, due to the maximum output power include tolerance for the smaller band is $\leq$ the larger band and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band to qualify for the SAR test exclusion

WLAN Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

Power State Note:

1. There are two power reduction levels when LAT Antenna is transmitting, three power reduction levels when UAT antenna is transmitting. More detail descriptions of the power reduction mechanism could refer as below:

1) For LAT antenna (2 sets of power reduction levels).

a. Hotspot exposure condition:

Reduced power level 1 –UMTS B2/B4, CDMA BC1, LTE B2 / B4 / B7 / B25 / B66, while the device is transmitting at the LAT antenna and hotspot mode is enabled, power reduction enabled for those bands.

b. Product specific exposure conditions

Reduced power level 2 – UMTS B2 / B4, CDMA BC1, LTE B2 / B4 / B7 / B25 / B66, while the device is transmitting at the LAT antenna and P-sensor can detect handheld state, for product specific 10g SAR condition, reduced powers will be active for those bands.

2) For UAT antenna (3 sets of power reduction levels).

a. Head exposure conditions:

Reduced power level 1 – GSM850/1900, WCDMA B2 / B4, CDMA BC1, LTE B2 / B4 / B7 / B13 / B25 / B30 / B66 / B38 / B41 / B48, LTE Uplink 7C and 41C, while the device is transmitting at the UAT antenna, and the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for those bands.

Reduced power level 2 –GSM 850/1900, WCDMA B2 / B4 / B5, CDMA BC0 / BC1, LTE B2 / B4 / B5 / B7 / B12 / B13 / B25 / B30 / B38 / B41 / B48 / B66, LTE Uplink 7C and 41C. While the device WLAN 2.4GHz is transmitting simultaneously with the UAT antenna, and the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for those bands.

Reduced power level 2 – GSM 850/1900, WCDMA B2 / B4, CDMA BC0 / BC1, LTE B2 / B4 / B7 / B13 / B25 / B30 / B38 / B41 / B48 / B66, LTE Uplink 7C and 41C. While the device WLAN 5GHz/BT is transmitting simultaneously with the UAT antenna, and the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for those bands.

b. Head exposure conditions:

Reduced power level 3 – LTE B5 / B13. While the device is transmitting at the WWAN UAT antenna and WLAN is transmitting at 2.4GHz WLAN also hotspot mode is enabled, power reduction enabled for those bands.

Reduced power level 3 – GSM 850/1900, WCDMA B2 / B4 / B5, CDMA BC0 / BC1, LTE B2 / B4 / B5 / B7 / B12 / B13 / B17 / B25 / B26 / B66 / B71. While the device is transmitting at the WWAN UAT antenna and WLAN is transmitting at 5GHz WLAN or BT also hotspot mode is enabled, power reduction enabled for those bands.

2. For WLAN transmitter

a. Head exposure conditions:

Reduced power level 1 –When the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for WLAN2.4GHz MIMO.

Reduced power level 1 –While the device 2.4GHz WLAN is transmitting simultaneously with the WWAN UAT/LAT antenna, and the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off.

b. Hotspot exposure conditions:

Reduced power level 1 –While the device 5GHz WLAN is transmitting simultaneously with the WWAN UAT/LAT antenna and the Hotspot mode is enabled



13.1 Head SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
01	GSM850_UAT	GPRS(3 Tx slots)	Right Cheek	0mm	1 or 2 with 5GHz	128	824.2	27.74	28.30	1.138	0.05	0.558	0.635
	GSM850_UAT	GPRS(3 Tx slots)	Right Tilted	0mm	1 or 2 with 5GHz	128	824.2	27.74	28.30	1.138	-0.06	0.126	0.143
	GSM850_UAT	GPRS(3 Tx slots)	Left Cheek	0mm	1 or 2 with 5GHz	128	824.2	27.74	28.30	1.138	0.04	0.878	0.999
	GSM850_UAT	GPRS(3 Tx slots)	Left Tilted	0mm	1 or 2 with 5GHz	128	824.2	27.74	28.30	1.138	-0.02	0.169	0.192
	GSM850_UAT	GPRS(3 Tx slots)	Left Cheek	0mm	1 or 2 with 5GHz	189	836.4	27.70	28.30	1.148	-0.02	0.938	1.077
	GSM850_UAT	GPRS(3 Tx slots)	Left Cheek	0mm	1 or 2 with 5GHz	251	848.8	27.52	28.30	1.197	0.02	0.770	0.921
	GSM850_UAT	GPRS(3 Tx slots)	Right Cheek	0mm	2 with 2.4GHz	128	824.2	26.74	27.30	1.138	0.05	0.456	0.519
	GSM850_UAT	GPRS(3 Tx slots)	Right Tilted	0mm	2 with 2.4GHz	128	824.2	26.74	27.30	1.138	-0.02	0.106	0.121
	GSM850_UAT	GPRS(3 Tx slots)	Left Cheek	0mm	2 with 2.4GHz	128	824.2	26.74	27.30	1.138	0.02	0.726	0.826
	GSM850_UAT	GPRS(3 Tx slots)	Left Tilted	0mm	2 with 2.4GHz	128	824.2	26.74	27.30	1.138	0.01	0.126	0.143
	GSM850_UAT	GPRS(3 Tx slots)	Left Cheek	0mm	2 with 2.4GHz	189	836.4	26.67	27.30	1.156	-0.08	0.614	0.710
	GSM850_UAT	GPRS(3 Tx slots)	Left Cheek	0mm	2 with 2.4GHz	251	848.8	26.71	27.30	1.146	0.02	0.597	0.684
	GSM850_LAT	GPRS(4 Tx slots)	Right Cheek	0mm	Full Power	189	836.4	27.02	27.85	1.211	0.05	0.119	0.144
	GSM850_LAT	GPRS(4 Tx slots)	Right Tilted	0mm	Full Power	189	836.4	27.02	27.85	1.211	-0.05	0.082	0.099
	GSM850_LAT	GPRS(4 Tx slots)	Left Cheek	0mm	Full Power	189	836.4	27.02	27.85	1.211	0.02	0.134	0.162
	GSM850_LAT	GPRS(4 Tx slots)	Left Tilted	0mm	Full Power	189	836.4	27.02	27.85	1.211	-0.06	0.071	0.086
	GSM850_LAT	GPRS(4 Tx slots)	Left Cheek	0mm	Full Power	128	824.2	27.00	27.85	1.216	0.06	0.173	0.210
	GSM850_LAT	GPRS(4 Tx slots)	Left Cheek	0mm	Full Power	251	848.8	26.92	27.85	1.239	0.01	0.123	0.152
	GSM1900_UAT	GPRS(1 Tx slot)	Right Cheek	0mm	1 or 2 with 5GHz	512	1850.2	28.18	28.70	1.127	0.09	1.000	1.127
	GSM1900_UAT	GPRS(1 Tx slot)	Right Tilted	0mm	1 or 2 with 5GHz	512	1850.2	28.18	28.70	1.127	0.02	0.951	1.072
	GSM1900_UAT	GPRS(1 Tx slot)	Left Cheek	0mm	1 or 2 with 5GHz	512	1850.2	28.18	28.70	1.127	0.03	0.280	0.316
	GSM1900_UAT	GPRS(1 Tx slot)	Left Tilted	0mm	1 or 2 with 5GHz	512	1850.2	28.18	28.70	1.127	0.04	0.316	0.356
	GSM1900_UAT	GPRS(1 Tx slot)	Right Cheek	0mm	1 or 2 with 5GHz	661	1880	28.17	28.70	1.130	0.09	0.960	1.085
	GSM1900_UAT	GPRS(1 Tx slot)	Right Cheek	0mm	1 or 2 with 5GHz	810	1909.8	28.15	28.70	1.135	0.05	0.817	0.927
	GSM1900_UAT	GPRS(1 Tx slot)	Right Tilted	0mm	1 or 2 with 5GHz	661	1880	28.17	28.70	1.130	0.05	0.876	0.990
	GSM1900_UAT	GPRS(1 Tx slot)	Right Tilted	0mm	1 or 2 with 5GHz	810	1909.8	28.15	28.70	1.135	-0.02	0.763	0.866
	GSM1900_UAT	GPRS(1 Tx slot)	Right Cheek	0mm	2 with 2.4GHz	512	1850.2	27.91	28.20	1.069	0.06	0.923	0.987
	GSM1900_UAT	GPRS(1 Tx slot)	Right Tilted	0mm	2 with 2.4GHz	512	1850.2	27.91	28.20	1.069	-0.06	0.945	1.010
	GSM1900_UAT	GPRS(1 Tx slot)	Left Cheek	0mm	2 with 2.4GHz	512	1850.2	27.91	28.20	1.069	0.06	0.216	0.231
	GSM1900_UAT	GPRS(1 Tx slot)	Left Tilted	0mm	2 with 2.4GHz	512	1850.2	27.91	28.20	1.069	0.01	0.250	0.267
	GSM1900_UAT	GPRS(1 Tx slot)	Right Cheek	0mm	2 with 2.4GHz	661	1880	27.86	28.20	1.081	0.05	0.832	0.900
	GSM1900_UAT	GPRS(1 Tx slot)	Right Cheek	0mm	2 with 2.4GHz	810	1909.8	27.85	28.20	1.084	0.05	0.757	0.821
	GSM1900_UAT	GPRS(1 Tx slot)	Right Tilted	0mm	2 with 2.4GHz	661	1880	27.86	28.20	1.081	0.01	0.831	0.899
	GSM1900_UAT	GPRS(1 Tx slot)	Right Tilted	0mm	2 with 2.4GHz	810	1909.8	27.85	28.20	1.084	0.01	0.777	0.842
	GSM1900_LAT	GPRS(3 Tx slots)	Right Cheek	0mm	Full Power	512	1850.2	25.88	26.80	1.236	0.03	0.086	0.106
	GSM1900_LAT	GPRS(3 Tx slots)	Right Tilted	0mm	Full Power	512	1850.2	25.88	26.80	1.236	0.03	0.044	0.054
	GSM1900_LAT	GPRS(3 Tx slots)	Left Cheek	0mm	Full Power	512	1850.2	25.88	26.80	1.236	-0.05	0.058	0.072
	GSM1900_LAT	GPRS(3 Tx slots)	Left Tilted	0mm	Full Power	512	1850.2	25.88	26.80	1.236	0.06	0.035	0.043
	GSM1900_LAT	GPRS(3 Tx slots)	Right Cheek	0mm	Full Power	661	1880	25.77	26.80	1.268	-0.02	0.089	0.113
	GSM1900_LAT	GPRS(3 Tx slots)	Right Cheek	0mm	Full Power	810	1909.8	25.69	26.80	1.291	0.02	0.098	0.127



<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
03	WCDMA V_UAT	RMC 12.2Kbps	Right Cheek	0mm	full or 2 with 5GHz	4182	836.4	24.04	24.80	1.191	-0.09	0.687	0.818
	WCDMA V_UAT	RMC 12.2Kbps	Right Tilted	0mm	full or 2 with 5GHz	4182	836.4	24.04	24.80	1.191	-0.09	0.147	0.175
	WCDMA V_UAT	RMC 12.2Kbps	Left Cheek	0mm	full or 2 with 5GHz	4182	836.4	24.04	24.80	1.191	0.14	0.901	1.073
	WCDMA V_UAT	RMC 12.2Kbps	Left Tilted	0mm	full or 2 with 5GHz	4182	836.4	24.04	24.80	1.191	0.04	0.148	0.176
	WCDMA V_UAT	RMC 12.2Kbps	Right Cheek	0mm	full or 2 with 5GHz	4132	826.4	23.99	24.80	1.205	0.01	0.690	0.831
	WCDMA V_UAT	RMC 12.2Kbps	Right Cheek	0mm	full or 2 with 5GHz	4233	846.6	24.01	24.80	1.199	-0.01	0.692	0.830
	WCDMA V_UAT	RMC 12.2Kbps	Left Cheek	0mm	full or 2 with 5GHz	4132	826.4	23.99	24.80	1.205	0.08	0.875	1.054
	WCDMA V_UAT	RMC 12.2Kbps	Left Cheek	0mm	full or 2 with 5GHz	4233	846.6	24.01	24.80	1.199	-0.04	0.844	1.012
	WCDMA V_UAT	RMC 12.2Kbps	Right Cheek	0mm	2 with 2.4GHz	4182	836.4	22.45	22.80	1.084	0.08	0.442	0.479
	WCDMA V_UAT	RMC 12.2Kbps	Right Tilted	0mm	2 with 2.4GHz	4182	836.4	22.45	22.80	1.084	-0.01	0.097	0.105
	WCDMA V_UAT	RMC 12.2Kbps	Left Cheek	0mm	2 with 2.4GHz	4182	836.4	22.45	22.80	1.084	0.01	0.735	0.797
	WCDMA V_UAT	RMC 12.2Kbps	Left Tilted	0mm	2 with 2.4GHz	4182	836.4	22.45	22.80	1.084	0.05	0.111	0.120
	WCDMA V_UAT	RMC 12.2Kbps	Left Cheek	0mm	2 with 2.4GHz	4132	826.4	22.40	22.80	1.096	0.04	0.732	0.803
	WCDMA V_UAT	RMC 12.2Kbps	Left Cheek	0mm	2 with 2.4GHz	4233	846.6	22.44	22.80	1.086	0.02	0.726	0.789
	WCDMA V_LAT	RMC 12.2Kbps	Right Cheek	0mm	Full Power	4182	836.4	23.60	24.20	1.148	0.05	0.143	0.164
	WCDMA V_LAT	RMC 12.2Kbps	Right Tilted	0mm	Full Power	4182	836.4	23.60	24.20	1.148	0.02	0.089	0.102
	WCDMA V_LAT	RMC 12.2Kbps	Left Cheek	0mm	Full Power	4182	836.4	23.60	24.20	1.148	0.05	0.180	0.207
	WCDMA V_LAT	RMC 12.2Kbps	Left Tilted	0mm	Full Power	4182	836.4	23.60	24.20	1.148	0.07	0.077	0.089
	WCDMA V_LAT	RMC 12.2Kbps	Left Cheek	0mm	Full Power	4132	826.4	23.52	24.20	1.169	0.04	0.185	0.216
	WCDMA V_LAT	RMC 12.2Kbps	Left Cheek	0mm	Full Power	4233	846.6	23.59	24.20	1.151	0.02	0.190	0.219
	WCDMA IV_UAT	RMC 12.2Kbps	Right Cheek	0mm	1	1413	1732.6	16.71	17.60	1.227	0.02	0.631	0.775
	WCDMA IV_UAT	RMC 12.2Kbps	Right Tilted	0mm	1	1413	1732.6	16.71	17.60	1.227	0.09	0.698	0.857
	WCDMA IV_UAT	RMC 12.2Kbps	Left Cheek	0mm	1	1413	1732.6	16.71	17.60	1.227	0.04	0.181	0.222
	WCDMA IV_UAT	RMC 12.2Kbps	Left Tilted	0mm	1	1413	1732.6	16.71	17.60	1.227	0.03	0.189	0.232
	WCDMA IV_UAT	RMC 12.2Kbps	Right Tilted	0mm	1	1312	1712.4	16.52	17.60	1.282	0.06	0.634	0.813
	WCDMA IV_UAT	RMC 12.2Kbps	Right Tilted	0mm	1	1513	1752.6	16.65	17.60	1.245	0.02	0.762	0.948
	WCDMA IV_UAT	RMC 12.2Kbps	Right Cheek	0mm	2 with 2.4GHz/5GHz	1413	1732.6	17.74	18.10	1.086	0.07	0.962	1.045
	WCDMA IV_UAT	RMC 12.2Kbps	Right Tilted	0mm	2 with 2.4GHz/5GHz	1413	1732.6	17.74	18.10	1.086	0.05	0.848	0.921
	WCDMA IV_UAT	RMC 12.2Kbps	Left Cheek	0mm	2 with 2.4GHz/5GHz	1413	1732.6	17.74	18.10	1.086	0.06	0.290	0.315
	WCDMA IV_UAT	RMC 12.2Kbps	Left Tilted	0mm	2 with 2.4GHz/5GHz	1413	1732.6	17.74	18.10	1.086	0.04	0.332	0.361
	WCDMA IV_UAT	RMC 12.2Kbps	Right Cheek	0mm	2 with 2.4GHz/5GHz	1312	1712.4	17.53	18.10	1.140	0.08	0.870	0.992
	WCDMA IV_UAT	RMC 12.2Kbps	Right Cheek	0mm	2 with 2.4GHz/5GHz	1513	1752.6	17.69	18.10	1.099	-0.02	1.040	1.143
	WCDMA IV_UAT	RMC 12.2Kbps	Right Tilted	0mm	2 with 2.4GHz/5GHz	1312	1712.4	17.53	18.10	1.140	0.07	0.772	0.880
	WCDMA IV_UAT	RMC 12.2Kbps	Right Tilted	0mm	2 with 2.4GHz/5GHz	1513	1752.6	17.69	18.10	1.099	-0.04	0.924	1.015
	WCDMA IV_LAT	RMC 12.2Kbps	Right Cheek	0mm	Full Power	1413	1732.6	24.05	24.80	1.189	-0.05	0.233	0.277
	WCDMA IV_LAT	RMC 12.2Kbps	Right Tilted	0mm	Full Power	1413	1732.6	24.05	24.80	1.189	0.03	0.104	0.124
	WCDMA IV_LAT	RMC 12.2Kbps	Left Cheek	0mm	Full Power	1413	1732.6	24.05	24.80	1.189	0.01	0.170	0.202
	WCDMA IV_LAT	RMC 12.2Kbps	Left Tilted	0mm	Full Power	1413	1732.6	24.05	24.80	1.189	-0.09	0.094	0.112
	WCDMA IV_LAT	RMC 12.2Kbps	Right Cheek	0mm	Full Power	1312	1712.4	23.83	24.80	1.250	0.05	0.242	0.303
	WCDMA IV_LAT	RMC 12.2Kbps	Right Cheek	0mm	Full Power	1513	1752.6	24.03	24.80	1.194	0.02	0.235	0.281
	WCDMA II_UAT	RMC 12.2Kbps	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	9400	1880	18.44	18.50	1.014	-0.04	1.110	1.125
	WCDMA II_UAT	RMC 12.2Kbps	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	9400	1880	18.44	18.50	1.014	0.05	1.000	1.014
	WCDMA II_UAT	RMC 12.2Kbps	Left Cheek	0mm	1 or 2 with 2.4GHz/5GHz	9400	1880	18.44	18.50	1.014	0.03	0.294	0.298
	WCDMA II_UAT	RMC 12.2Kbps	Left Tilted	0mm	1 or 2 with 2.4GHz/5GHz	9400	1880	18.44	18.50	1.014	0.05	0.435	0.441
	WCDMA II_UAT	RMC 12.2Kbps	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	9262	1852.4	18.35	18.50	1.035	0.02	1.140	1.180
	WCDMA II_UAT	RMC 12.2Kbps	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	9538	1907.6	18.30	18.50	1.047	-0.04	1.080	1.131
	WCDMA II_UAT	RMC 12.2Kbps	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	9262	1852.4	18.35	18.50	1.035	0.04	1.130	1.170
	WCDMA II_UAT	RMC 12.2Kbps	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	9538	1907.6	18.30	18.50	1.047	-0.03	0.998	1.045
	WCDMA II_LAT	RMC 12.2Kbps	Right Cheek	0mm	Full Power	9400	1880	24.21	24.80	1.146	0.04	0.264	0.302
	WCDMA II_LAT	RMC 12.2Kbps	Right Tilted	0mm	Full Power	9400	1880	24.21	24.80	1.146	0.02	0.131	0.150
	WCDMA II_LAT	RMC 12.2Kbps	Left Cheek	0mm	Full Power	9400	1880	24.21	24.80	1.146	0.09	0.158	0.181
	WCDMA II_LAT	RMC 12.2Kbps	Left Tilted	0mm	Full Power	9400	1880	24.21	24.80	1.146	0.07	0.119	0.136
	WCDMA II_LAT	RMC 12.2Kbps	Right Cheek	0mm	Full Power	9262	1852.4	24.05	24.80	1.189	0.02	0.239	0.284
	WCDMA II_LAT	RMC 12.2Kbps	Right Cheek	0mm	Full Power	9538	1907.6	24.16	24.80	1.159	0.01	0.258	0.299



<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA2000 BC0_UAT	RC3+SO55	Right Cheek	0mm	Full Power	777	848.31	23.91	24.80	1.227	0.02	0.610	0.749
	CDMA2000 BC0_UAT	RC3+SO55	Right Tilted	0mm	Full Power	777	848.31	23.91	24.80	1.227	-0.09	0.134	0.164
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0mm	Full Power	777	848.31	23.91	24.80	1.227	-0.02	0.900	1.105
	CDMA2000 BC0_UAT	RC3+SO55	Left Tilted	0mm	Full Power	777	848.31	23.91	24.80	1.227	-0.08	0.135	0.166
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0mm	Full Power	1013	824.7	23.87	24.80	1.239	0.04	0.883	1.094
06	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0mm	Full Power	384	836.52	23.90	24.80	1.230	0.12	0.899	1.106
	CDMA2000 BC0_UAT	RC3+SO55	Right Cheek	0mm	2 with 2.4GHz	777	848.31	23.01	23.50	1.119	0.03	0.547	0.612
	CDMA2000 BC0_UAT	RC3+SO55	Right Tilted	0mm	2 with 2.4GHz	777	848.31	23.01	23.50	1.119	0.01	0.120	0.134
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0mm	2 with 2.4GHz	777	848.31	23.01	23.50	1.119	-0.05	0.826	0.925
	CDMA2000 BC0_UAT	RC3+SO55	Left Tilted	0mm	2 with 2.4GHz	777	848.31	23.01	23.50	1.119	0.02	0.125	0.140
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0mm	2 with 2.4GHz	1013	824.7	22.97	23.50	1.130	0.01	0.785	0.887
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0mm	2 with 2.4GHz	384	836.52	23.00	23.50	1.122	0.07	0.791	0.888
	CDMA2000 BC0_UAT	RC3+SO55	Right Cheek	0mm	2 with 5GHz	777	848.31	20.41	20.80	1.094	0.02	0.316	0.346
	CDMA2000 BC0_UAT	RC3+SO55	Right Tilted	0mm	2 with 5GHz	777	848.31	20.41	20.80	1.094	0.05	0.068	0.074
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0mm	2 with 5GHz	777	848.31	20.41	20.80	1.094	0.01	0.462	0.505
	CDMA2000 BC0_UAT	RC3+SO55	Left Tilted	0mm	2 with 5GHz	777	848.31	20.41	20.80	1.094	0.08	0.073	0.079
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0mm	2 with 5GHz	1013	824.7	20.37	20.80	1.104	0.02	0.441	0.487
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0mm	2 with 5GHz	384	836.52	20.40	20.80	1.096	0.01	0.446	0.489
	CDMA2000 BC0_LAT	RC3+SO55	Right Cheek	0mm	Full Power	777	848.31	23.56	24.10	1.132	-0.03	0.117	0.132
	CDMA2000 BC0_LAT	RC3+SO55	Right Tilted	0mm	Full Power	777	848.31	23.56	24.10	1.132	0.02	0.093	0.105
	CDMA2000 BC0_LAT	RC3+SO55	Left Cheek	0mm	Full Power	777	848.31	23.56	24.10	1.132	0.07	0.147	0.166
	CDMA2000 BC0_LAT	RC3+SO55	Left Tilted	0mm	Full Power	777	848.31	23.56	24.10	1.132	0.01	0.071	0.080
	CDMA2000 BC0_LAT	RC3+SO55	Left Cheek	0mm	Full Power	1013	824.7	23.45	24.10	1.161	0.04	0.148	0.172
	CDMA2000 BC0_LAT	RC3+SO55	Left Cheek	0mm	Full Power	384	836.52	23.51	24.10	1.146	0.06	0.149	0.171
	CDMA2000 BC1_UAT	RC3+SO55	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	600	1880	19.25	19.50	1.059	0.06	1.110	1.176
	CDMA2000 BC1_UAT	RC3+SO55	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	600	1880	19.25	19.50	1.059	0.03	1.070	1.133
	CDMA2000 BC1_UAT	RC3+SO55	Left Cheek	0mm	1 or 2 with 2.4GHz/5GHz	600	1880	19.25	19.50	1.059	0.01	0.290	0.307
	CDMA2000 BC1_UAT	RC3+SO55	Left Tilted	0mm	1 or 2 with 2.4GHz/5GHz	600	1880	19.25	19.50	1.059	0.02	0.411	0.435
	CDMA2000 BC1_UAT	RC3+SO55	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	25	1851.25	19.20	19.50	1.072	0.01	1.080	1.157
07	CDMA2000 BC1_UAT	RC3+SO55	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	1175	1908.75	19.19	19.50	1.074	0.06	1.110	1.192
	CDMA2000 BC1_UAT	RC3+SO55	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	25	1851.25	19.20	19.50	1.072	0.05	1.110	1.189
	CDMA2000 BC1_UAT	RC3+SO55	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	1175	1908.75	19.19	19.50	1.074	0.03	1.080	1.160
	CDMA2000 BC1_LAT	RC3+SO55	Right Cheek	0mm	Full Power	600	1880	23.99	24.80	1.205	-0.12	0.228	0.275
	CDMA2000 BC1_LAT	RC3+SO55	Right Tilted	0mm	Full Power	600	1880	23.99	24.80	1.205	0.02	0.125	0.151
	CDMA2000 BC1_LAT	RC3+SO55	Left Cheek	0mm	Full Power	600	1880	23.99	24.80	1.205	0.09	0.157	0.189
	CDMA2000 BC1_LAT	RC3+SO55	Left Tilted	0mm	Full Power	600	1880	23.99	24.80	1.205	0.04	0.103	0.124
	CDMA2000 BC1_LAT	RC3+SO55	Right Cheek	0mm	Full Power	25	1851.25	23.83	24.80	1.250	-0.05	0.190	0.238
	CDMA2000 BC1_LAT	RC3+SO55	Right Cheek	0mm	Full Power	1175	1908.75	23.96	24.80	1.213	0.03	0.237	0.288



<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
08	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	133322	683	23.69	24.30	1.151	0.05	0.487	0.560
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	133322	683	23.69	24.30	1.151	0.03	0.125	0.144
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	133322	683	23.69	24.30	1.151	-0.09	0.899	1.035
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	133322	683	23.69	24.30	1.151	0.02	0.135	0.155
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Right Cheek	0mm	Full Power	133322	683	22.85	23.30	1.109	-0.05	0.467	0.518
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Right Tilted	0mm	Full Power	133322	683	22.85	23.30	1.109	0.01	0.123	0.136
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Left Cheek	0mm	Full Power	133322	683	22.85	23.30	1.109	0.07	0.773	0.857
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Left Tilted	0mm	Full Power	133322	683	22.85	23.30	1.109	0.04	0.144	0.160
	LTE Band 71_UAT	20M	QPSK	100RB	0Offset	Left Cheek	0mm	Full Power	133322	683	22.71	23.30	1.146	0.02	0.735	0.842
09	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	133322	683	23.43	23.80	1.089	0.02	0.067	0.073
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	133322	683	23.43	23.80	1.089	0.09	0.049	0.053
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	133322	683	23.43	23.80	1.089	0.01	0.107	0.117
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	133322	683	23.43	23.80	1.089	0.04	0.058	0.063
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Right Cheek	0mm	Full Power	133322	683	22.46	22.80	1.081	0.02	0.075	0.081
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Right Tilted	0mm	Full Power	133322	683	22.46	22.80	1.081	0.02	0.052	0.056
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Left Cheek	0mm	Full Power	133322	683	22.46	22.80	1.081	0.04	0.095	0.103
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Left Tilted	0mm	Full Power	133322	683	22.46	22.80	1.081	0.06	0.052	0.056
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Right Cheek	0mm	full or 2 with 5GHz	23095	707.5	23.42	24.30	1.225	0.03	0.559	0.685
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Right Tilted	0mm	full or 2 with 5GHz	23095	707.5	23.42	24.30	1.225	0.04	0.126	0.154
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Left Cheek	0mm	full or 2 with 5GHz	23095	707.5	23.42	24.30	1.225	0.05	0.727	0.890
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Left Tilted	0mm	full or 2 with 5GHz	23095	707.5	23.42	24.30	1.225	0.05	0.133	0.163
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Right Cheek	0mm	full or 2 with 5GHz	23095	707.5	22.47	23.30	1.211	0.01	0.456	0.552
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Right Tilted	0mm	full or 2 with 5GHz	23095	707.5	22.47	23.30	1.211	0.05	0.106	0.128
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Left Cheek	0mm	full or 2 with 5GHz	23095	707.5	22.47	23.30	1.211	0.01	0.604	0.731
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Left Tilted	0mm	full or 2 with 5GHz	23095	707.5	22.47	23.30	1.211	0.07	0.110	0.133
	LTE Band 12_UAT	10M	QPSK	50RB	0Offset	Left Cheek	0mm	full or 2 with 5GHz	23095	707.5	22.46	23.30	1.213	0.06	0.608	0.738
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 2.4GHz	23095	707.5	22.77	23.30	1.130	0.03	0.435	0.491
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Right Tilted	0mm	2 with 2.4GHz	23095	707.5	22.77	23.30	1.130	0.05	0.090	0.102
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Left Cheek	0mm	2 with 2.4GHz	23095	707.5	22.77	23.30	1.130	0.01	0.637	0.720
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Left Tilted	0mm	2 with 2.4GHz	23095	707.5	22.77	23.30	1.130	0.04	0.115	0.130
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Right Cheek	0mm	2 with 2.4GHz	23095	707.5	22.46	23.30	1.213	0.02	0.419	0.508
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Right Tilted	0mm	2 with 2.4GHz	23095	707.5	22.46	23.30	1.213	0.01	0.104	0.126
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Left Cheek	0mm	2 with 2.4GHz	23095	707.5	22.46	23.30	1.213	0.01	0.580	0.704
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Left Tilted	0mm	2 with 2.4GHz	23095	707.5	22.46	23.30	1.213	0.06	0.101	0.123
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Right Cheek	0mm	Full Power	23095	707.5	23.01	23.80	1.199	0.13	0.092	0.110
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Right Tilted	0mm	Full Power	23095	707.5	23.01	23.80	1.199	0.09	0.068	0.082
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Left Cheek	0mm	Full Power	23095	707.5	23.01	23.80	1.199	0.02	0.133	0.160
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Left Tilted	0mm	Full Power	23095	707.5	23.01	23.80	1.199	-0.09	0.065	0.078
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Right Cheek	0mm	Full Power	23095	707.5	22.13	22.80	1.167	0.03	0.076	0.089
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Right Tilted	0mm	Full Power	23095	707.5	22.13	22.80	1.167	-0.01	0.056	0.065
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Left Cheek	0mm	Full Power	23095	707.5	22.13	22.80	1.167	0.02	0.110	0.128
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Left Tilted	0mm	Full Power	23095	707.5	22.13	22.80	1.167	0.08	0.057	0.067



FCC SAR TEST REPORT

Report No. : FA8D2526-01

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 17_UAT	10M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	23790	710	22.90	23.80	1.230	0.05	0.382	0.470
	LTE Band 17_UAT	10M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	23790	710	22.90	23.80	1.230	0.01	0.092	0.113
10	LTE Band 17_UAT	10M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	23790	710	22.90	23.80	1.230	0.07	0.508	0.625
	LTE Band 17_UAT	10M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	23790	710	22.90	23.80	1.230	0.02	0.098	0.120
	LTE Band 17_UAT	10M	QPSK	25RB	12Offset	Right Cheek	0mm	Full Power	23790	710	21.86	22.80	1.242	0.04	0.314	0.390
	LTE Band 17_UAT	10M	QPSK	25RB	12Offset	Right Tilted	0mm	Full Power	23790	710	21.86	22.80	1.242	0.02	0.078	0.097
	LTE Band 17_UAT	10M	QPSK	25RB	12Offset	Left Cheek	0mm	Full Power	23790	710	21.86	22.80	1.242	0.09	0.425	0.528
	LTE Band 17_UAT	10M	QPSK	25RB	12Offset	Left Tilted	0mm	Full Power	23790	710	21.86	22.80	1.242	0.01	0.077	0.096
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Right Cheek	0mm	1 or 2 with 5GHz	23230	782	21.61	22.30	1.172	0.05	0.457	0.536
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Right Tilted	0mm	1 or 2 with 5GHz	23230	782	21.61	22.30	1.172	0.02	0.107	0.125
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Left Cheek	0mm	1 or 2 with 5GHz	23230	782	21.61	22.30	1.172	0.08	0.744	0.872
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Left Tilted	0mm	1 or 2 with 5GHz	23230	782	21.61	22.30	1.172	0.11	0.127	0.149
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Right Cheek	0mm	1 or 2 with 5GHz	23230	782	21.59	22.30	1.178	0.03	0.478	0.563
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Right Tilted	0mm	1 or 2 with 5GHz	23230	782	21.59	22.30	1.178	0.02	0.114	0.134
11	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Left Cheek	0mm	1 or 2 with 5GHz	23230	782	21.59	22.30	1.178	0.07	0.774	0.911
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Left Tilted	0mm	1 or 2 with 5GHz	23230	782	21.59	22.30	1.178	0.01	0.142	0.167
	LTE Band 13_UAT	10M	QPSK	50RB	0Offset	Left Cheek	0mm	1 or 2 with 5GHz	23230	782	21.58	22.30	1.180	0.07	0.694	0.819
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Right Cheek	0mm	2 with 2.4GHz	23230	782	20.05	20.80	1.189	0.06	0.307	0.365
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Right Tilted	0mm	2 with 2.4GHz	23230	782	20.05	20.80	1.189	0.02	0.069	0.082
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Left Cheek	0mm	2 with 2.4GHz	23230	782	20.05	20.80	1.189	0.02	0.487	0.579
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Left Tilted	0mm	2 with 2.4GHz	23230	782	20.05	20.80	1.189	0.01	0.079	0.094
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Right Cheek	0mm	2 with 2.4GHz	23230	782	19.95	20.80	1.216	0.03	0.332	0.404
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Right Tilted	0mm	2 with 2.4GHz	23230	782	19.95	20.80	1.216	0.05	0.072	0.088
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Left Cheek	0mm	2 with 2.4GHz	23230	782	19.95	20.80	1.216	0.01	0.500	0.608
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Left Tilted	0mm	2 with 2.4GHz	23230	782	19.95	20.80	1.216	0.01	0.082	0.100
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Right Cheek	0mm	Full Power	23230	782	22.06	23.30	1.330	-0.05	0.094	0.125
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Right Tilted	0mm	Full Power	23230	782	22.06	23.30	1.330	0.04	0.057	0.076
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Left Cheek	0mm	Full Power	23230	782	22.06	23.30	1.330	0.01	0.101	0.134
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Left Tilted	0mm	Full Power	23230	782	22.06	23.30	1.330	0.09	0.055	0.073
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Right Cheek	0mm	Full Power	23230	782	21.24	22.30	1.276	0.04	0.086	0.110
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Right Tilted	0mm	Full Power	23230	782	21.24	22.30	1.276	0.06	0.048	0.061
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Left Cheek	0mm	Full Power	23230	782	21.24	22.30	1.276	-0.02	0.082	0.105
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Left Tilted	0mm	Full Power	23230	782	21.24	22.30	1.276	0.07	0.045	0.057



FCC SAR TEST REPORT

Report No. : FA8D2526-01

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
12	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Right Cheek	0mm	full or 2 with 5GHz	20525	836.5	22.80	23.80	1.259	0.05	0.522	0.657
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Right Tilted	0mm	full or 2 with 5GHz	20525	836.5	22.80	23.80	1.259	0.01	0.124	0.156
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Cheek	0mm	full or 2 with 5GHz	20525	836.5	22.80	23.80	1.259	-0.02	0.810	1.020
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Tilted	0mm	full or 2 with 5GHz	20525	836.5	22.80	23.80	1.259	-0.05	0.135	0.170
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Right Cheek	0mm	full or 2 with 5GHz	20525	836.5	21.86	22.80	1.242	0.03	0.408	0.507
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Right Tilted	0mm	full or 2 with 5GHz	20525	836.5	21.86	22.80	1.242	0.04	0.102	0.127
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Left Cheek	0mm	full or 2 with 5GHz	20525	836.5	21.86	22.80	1.242	0.08	0.657	0.816
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Left Tilted	0mm	full or 2 with 5GHz	20525	836.5	21.86	22.80	1.242	0.01	0.113	0.140
	LTE Band 5_UAT	10M	QPSK	50RB	0Offset	Left Cheek	0mm	full or 2 with 5GHz	20525	836.5	21.86	22.80	1.242	0.05	0.692	0.859
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	20525	836.5	21.35	21.80	1.109	-0.03	0.435	0.482
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	20525	836.5	21.35	21.80	1.109	0.07	0.100	0.111
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Cheek	0mm	2 with 2.4GHz	20525	836.5	21.35	21.80	1.109	0.01	0.574	0.637
13	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Tilted	0mm	2 with 2.4GHz	20525	836.5	21.35	21.80	1.109	0.05	0.103	0.114
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Right Cheek	0mm	2 with 2.4GHz	20525	836.5	21.32	21.80	1.117	0.04	0.434	0.485
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Right Tilted	0mm	2 with 2.4GHz	20525	836.5	21.32	21.80	1.117	0.01	0.100	0.111
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Left Cheek	0mm	2 with 2.4GHz	20525	836.5	21.32	21.80	1.117	0.06	0.598	0.668
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Left Tilted	0mm	2 with 2.4GHz	20525	836.5	21.32	21.80	1.117	0.01	0.114	0.127
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	20525	836.5	22.45	23.20	1.189	0.01	0.103	0.122
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	20525	836.5	22.45	23.20	1.189	0.02	0.079	0.094
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	20525	836.5	22.45	23.20	1.189	0.01	0.146	0.174
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	20525	836.5	22.45	23.20	1.189	-0.07	0.076	0.090
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Right Cheek	0mm	Full Power	20525	836.5	21.46	22.20	1.186	0.03	0.086	0.102
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Right Tilted	0mm	Full Power	20525	836.5	21.46	22.20	1.186	-0.05	0.065	0.077
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Left Cheek	0mm	Full Power	20525	836.5	21.46	22.20	1.186	0.02	0.118	0.140
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Left Tilted	0mm	Full Power	20525	836.5	21.46	22.20	1.186	0.02	0.060	0.071
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	26865	831.5	22.85	23.80	1.245	0.08	0.416	0.518
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	26865	831.5	22.85	23.80	1.245	0.02	0.099	0.123
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	26865	831.5	22.85	23.80	1.245	-0.06	0.670	0.834
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	26865	831.5	22.85	23.80	1.245	0.01	0.119	0.148
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	26765	821.5	22.70	23.80	1.288	-0.09	0.599	0.772
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	26965	841.5	22.70	23.80	1.288	0.09	0.687	0.885
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Right Cheek	0mm	Full Power	26865	831.5	21.92	22.80	1.225	-0.05	0.343	0.420
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Right Tilted	0mm	Full Power	26865	831.5	21.92	22.80	1.225	0.03	0.074	0.090
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Left Cheek	0mm	Full Power	26865	831.5	21.92	22.80	1.225	0.02	0.550	0.674
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Left Tilted	0mm	Full Power	26865	831.5	21.92	22.80	1.225	0.07	0.096	0.118
	LTE Band 26_UAT	15M	QPSK	75RB	0Offset	Left Cheek	0mm	Full Power	26865	831.5	21.86	22.80	1.242	-0.02	0.539	0.669
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	26865	831.5	22.45	23.20	1.189	-0.05	0.092	0.109
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	26865	831.5	22.45	23.20	1.189	0.06	0.068	0.081
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	26865	831.5	22.45	23.20	1.189	0.1	0.111	0.132
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	26865	831.5	22.45	23.20	1.189	0.06	0.048	0.057
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	26765	821.5	22.31	23.20	1.227	0.05	0.116	0.142
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	26965	841.5	22.44	23.20	1.191	-0.11	0.127	0.151
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Right Cheek	0mm	Full Power	26865	831.5	21.51	22.20	1.172	0.05	0.070	0.082
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Right Tilted	0mm	Full Power	26865	831.5	21.51	22.20	1.172	-0.02	0.053	0.062
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Left Cheek	0mm	Full Power	26865	831.5	21.51	22.20	1.172	0.09	0.089	0.104
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Left Tilted	0mm	Full Power	26865	831.5	21.51	22.20	1.172	-0.03	0.045	0.053



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Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.91	18.10	1.045	0.05	0.984	1.028
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.91	18.10	1.045	0.05	0.927	0.968
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.91	18.10	1.045	0.06	0.290	0.303
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.91	18.10	1.045	-0.01	0.311	0.325
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	132072	1720	17.83	18.10	1.064	0.09	0.854	0.909
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	132572	1770	17.68	18.10	1.102	0.06	1.020	1.124
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132072	1720	17.83	18.10	1.064	-0.08	0.809	0.861
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132572	1770	17.68	18.10	1.102	-0.02	1.050	1.157
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.87	18.10	1.054	0.03	1.010	1.065
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.87	18.10	1.054	-0.09	0.983	1.036
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Left Cheek	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.87	18.10	1.054	0.07	0.287	0.303
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Left Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.87	18.10	1.054	-0.06	0.307	0.324
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	132072	1720	17.73	18.10	1.089	0.01	0.876	0.954
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	132572	1770	17.72	18.10	1.091	0.08	1.060	1.157
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132072	1720	17.73	18.10	1.089	0.05	0.852	0.928
14	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132572	1770	17.72	18.10	1.091	0.08	1.080	1.179
	LTE Band 66_UAT	20M	QPSK	100RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.82	18.10	1.067	-0.05	1.020	1.088
	LTE Band 66_UAT	20M	QPSK	100RB	0Offset	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132322	1745	17.82	18.10	1.067	-0.04	0.987	1.053
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	132322	1745	23.73	24.30	1.140	-0.05	0.231	0.263
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	132322	1745	23.73	24.30	1.140	0.03	0.107	0.122
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	132322	1745	23.73	24.30	1.140	0.04	0.103	0.117
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	132322	1745	23.73	24.30	1.140	0.05	0.058	0.066
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	132072	1720	23.59	24.30	1.178	-0.05	0.161	0.190
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	132572	1770	23.64	24.30	1.164	0.02	0.203	0.236
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	Full Power	132322	1745	22.81	23.30	1.119	-0.09	0.190	0.213
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	Full Power	132322	1745	22.81	23.30	1.119	0.02	0.090	0.101
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Left Cheek	0mm	Full Power	132322	1745	22.81	23.30	1.119	-0.06	0.080	0.090
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Left Tilted	0mm	Full Power	132322	1745	22.81	23.30	1.119	0.01	0.049	0.055
	LTE Band 4_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	20175	1732.5	18.39	18.60	1.050	0.04	0.994	1.043
	LTE Band 4_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	20175	1732.5	18.39	18.60	1.050	0.05	0.940	0.987
	LTE Band 4_UAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	2 with 2.4GHz	20175	1732.5	18.39	18.60	1.050	0.03	0.273	0.287
	LTE Band 4_UAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	2 with 2.4GHz	20175	1732.5	18.39	18.60	1.050	0.02	0.334	0.351
	LTE Band 4_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	20175	1732.5	18.38	18.60	1.052	0.07	1.040	1.094
	LTE Band 4_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	20175	1732.5	18.38	18.60	1.052	0.09	0.996	1.048
	LTE Band 4_UAT	20M	QPSK	50RB	0Offset	Left Cheek	0mm	2 with 2.4GHz	20175	1732.5	18.38	18.60	1.052	0.01	0.285	0.300
	LTE Band 4_UAT	20M	QPSK	50RB	0Offset	Left Tilted	0mm	2 with 2.4GHz	20175	1732.5	18.38	18.60	1.052	0.06	0.341	0.359
15	LTE Band 4_UAT	20M	QPSK	100RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	20175	1732.5	18.30	18.60	1.072	0.05	1.050	1.125
	LTE Band 4_UAT	20M	QPSK	100RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	20175	1732.5	18.30	18.60	1.072	-0.02	1.020	1.093



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Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1	26340	1880	18.25	18.70	1.109	0.05	0.964	1.069
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	1	26340	1880	18.25	18.70	1.109	0.01	1.010	1.120
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	1	26340	1880	18.25	18.70	1.109	-0.06	0.267	0.296
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	1	26340	1880	18.25	18.70	1.109	0.02	0.407	0.451
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1	26140	1860	18.18	18.70	1.127	0.01	0.972	1.096
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1	26590	1905	18.22	18.70	1.117	-0.08	0.970	1.083
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	1	26140	1860	18.18	18.70	1.127	0.01	1.010	1.138
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	1	26590	1905	18.22	18.70	1.117	-0.09	0.980	1.095
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Cheek	0mm	1	26340	1880	18.23	18.70	1.114	0.09	0.964	1.074
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Tilted	0mm	1	26340	1880	18.23	18.70	1.114	0.02	1.000	1.114
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Left Cheek	0mm	1	26340	1880	18.23	18.70	1.114	0.05	0.253	0.282
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Left Tilted	0mm	1	26340	1880	18.23	18.70	1.114	0.04	0.398	0.443
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Cheek	0mm	1	26140	1860	18.19	18.70	1.125	0.01	0.975	1.096
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Cheek	0mm	1	26590	1905	18.21	18.70	1.119	-0.05	0.960	1.075
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Tilted	0mm	1	26140	1860	18.19	18.70	1.125	0.01	1.020	1.147
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Tilted	0mm	1	26590	1905	18.21	18.70	1.119	0.03	0.991	1.109
	LTE Band 25_UAT	20M	QPSK	100RB	0Offset	Right Cheek	0mm	1	26340	1880	18.19	18.70	1.125	0.02	0.966	1.086
	LTE Band 25_UAT	20M	QPSK	100RB	0Offset	Right Tilted	0mm	1	26340	1880	18.19	18.70	1.125	0.04	0.907	1.020
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	2 with 2.4GHz/5GHz	26340	1880	18.88	19.20	1.076	0.07	1.030	1.109
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	2 with 2.4GHz/5GHz	26340	1880	18.88	19.20	1.076	-0.02	0.930	1.001
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	2 with 2.4GHz/5GHz	26340	1880	18.88	19.20	1.076	0.03	0.301	0.324
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	2 with 2.4GHz/5GHz	26340	1880	18.88	19.20	1.076	0.04	0.348	0.375
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	2 with 2.4GHz/5GHz	26140	1860	18.79	19.20	1.099	0.03	1.040	1.143
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	2 with 2.4GHz/5GHz	26590	1905	18.83	19.20	1.089	0.08	1.030	1.122
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	2 with 2.4GHz/5GHz	26140	1860	18.79	19.20	1.099	0.01	0.935	1.028
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	2 with 2.4GHz/5GHz	26590	1905	18.83	19.20	1.089	-0.05	0.908	0.989
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Cheek	0mm	2 with 2.4GHz/5GHz	26340	1880	18.86	19.20	1.081	-0.02	1.000	1.081
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Tilted	0mm	2 with 2.4GHz/5GHz	26340	1880	18.86	19.20	1.081	-0.05	0.917	0.992
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Left Cheek	0mm	2 with 2.4GHz/5GHz	26340	1880	18.86	19.20	1.081	0.01	0.273	0.295
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Left Tilted	0mm	2 with 2.4GHz/5GHz	26340	1880	18.86	19.20	1.081	0.05	0.310	0.335
16	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Cheek	0mm	2 with 2.4GHz/5GHz	26140	1860	18.82	19.20	1.091	0.08	1.100	1.201
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Cheek	0mm	2 with 2.4GHz/5GHz	26590	1905	18.85	19.20	1.084	-0.09	1.090	1.181
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Tilted	0mm	2 with 2.4GHz/5GHz	26140	1860	18.82	19.20	1.091	0.03	0.905	0.988
	LTE Band 25_UAT	20M	QPSK	50RB	50Offset	Right Tilted	0mm	2 with 2.4GHz/5GHz	26590	1905	18.85	19.20	1.084	0.04	0.941	1.020
	LTE Band 25_UAT	20M	QPSK	100RB	0Offset	Right Cheek	0mm	2 with 2.4GHz/5GHz	26340	1880	18.85	19.20	1.084	-0.05	1.030	1.116
	LTE Band 25_UAT	20M	QPSK	100RB	0Offset	Right Tilted	0mm	2 with 2.4GHz/5GHz	26340	1880	18.85	19.20	1.084	-0.06	0.925	1.003
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	26340	1880	23.18	23.80	1.153	0.08	0.174	0.201
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	26340	1880	23.18	23.80	1.153	0.03	0.082	0.095
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	26340	1880	23.18	23.80	1.153	-0.05	0.119	0.137
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	26340	1880	23.18	23.80	1.153	-0.04	0.090	0.104
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	26140	1860	23.09	23.80	1.178	0.05	0.154	0.181
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	26590	1905	23.10	23.80	1.175	-0.02	0.172	0.202
	LTE Band 25_LAT	20M	QPSK	50RB	50Offset	Right Cheek	0mm	Full Power	26340	1880	22.26	22.80	1.132	0.02	0.149	0.169
	LTE Band 25_LAT	20M	QPSK	50RB	50Offset	Right Tilted	0mm	Full Power	26340	1880	22.26	22.80	1.132	0.01	0.067	0.076
	LTE Band 25_LAT	20M	QPSK	50RB	50Offset	Left Cheek	0mm	Full Power	26340	1880	22.26	22.80	1.132	0.09	0.098	0.111
	LTE Band 25_LAT	20M	QPSK	50RB	50Offset	Left Tilted	0mm	Full Power	26340	1880	22.26	22.80	1.132	-0.04	0.079	0.089



FCC SAR TEST REPORT

Report No. : FA8D2526-01

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	18900	1880	23.31	24.30	1.256	-0.08	0.212	0.266
	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	18900	1880	23.31	24.30	1.256	0.02	0.124	0.156
	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	18900	1880	23.31	24.30	1.256	-0.06	0.142	0.178
	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	18900	1880	23.31	24.30	1.256	0.02	0.106	0.133
17	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	18700	1860	23.20	24.30	1.288	0.09	0.213	0.274
	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	19100	1900	23.26	24.30	1.271	0.04	0.181	0.230
	LTE Band 2_LAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	Full Power	18900	1880	22.45	23.30	1.216	0.02	0.172	0.209
	LTE Band 2_LAT	20M	QPSK	50RB	24Offset	Right Tilted	0mm	Full Power	18900	1880	22.45	23.30	1.216	-0.03	0.100	0.122
	LTE Band 2_LAT	20M	QPSK	50RB	24Offset	Left Cheek	0mm	Full Power	18900	1880	22.45	23.30	1.216	0.01	0.110	0.134
	LTE Band 2_LAT	20M	QPSK	50RB	24Offset	Left Tilted	0mm	Full Power	18900	1880	22.45	23.30	1.216	0.08	0.086	0.105
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Right Cheek	0mm	1	27710	2310	19.21	19.50	1.069	-0.05	1.020	1.090
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Right Tilted	0mm	1	27710	2310	19.21	19.50	1.069	0.03	1.090	1.165
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Left Cheek	0mm	1	27710	2310	19.21	19.50	1.069	0.05	0.290	0.310
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Left Tilted	0mm	1	27710	2310	19.21	19.50	1.069	0.09	0.261	0.279
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Right Cheek	0mm	1	27710	2310	19.20	19.50	1.072	0.05	1.040	1.114
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Right Tilted	0mm	1	27710	2310	19.20	19.50	1.072	0.01	1.100	1.179
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Left Cheek	0mm	1	27710	2310	19.20	19.50	1.072	0.03	0.294	0.315
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Left Tilted	0mm	1	27710	2310	19.20	19.50	1.072	0.09	0.263	0.282
	LTE Band 30_UAT	10M	QPSK	50RB	0Offset	Right Cheek	0mm	1	27710	2310	19.20	19.50	1.072	-0.02	1.040	1.114
18	LTE Band 30_UAT	10M	QPSK	50RB	0Offset	Right Tilted	0mm	1	27710	2310	19.20	19.50	1.072	0.07	1.110	1.189
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	27710	2310	18.75	19.00	1.059	0.02	1.020	1.080
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	27710	2310	18.75	19.00	1.059	0.06	0.979	1.037
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Left Cheek	0mm	2 with 2.4GHz	27710	2310	18.75	19.00	1.059	0.01	0.296	0.314
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Left Tilted	0mm	2 with 2.4GHz	27710	2310	18.75	19.00	1.059	0.03	0.234	0.248
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	27710	2310	18.69	19.00	1.074	0.07	1.000	1.074
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	27710	2310	18.69	19.00	1.074	0.02	1.010	1.085
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Left Cheek	0mm	2 with 2.4GHz	27710	2310	18.69	19.00	1.074	0.03	0.301	0.323
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Left Tilted	0mm	2 with 2.4GHz	27710	2310	18.69	19.00	1.074	0.06	0.244	0.262
	LTE Band 30_UAT	10M	QPSK	50RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	27710	2310	18.67	19.00	1.079	0.05	1.010	1.090
	LTE Band 30_UAT	10M	QPSK	50RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	27710	2310	18.67	19.00	1.079	0.01	1.000	1.079
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Right Cheek	0mm	2 with 5GHz	27710	2310	17.38	17.50	1.028	-0.03	0.698	0.718
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Right Tilted	0mm	2 with 5GHz	27710	2310	17.38	17.50	1.028	0.02	0.713	0.733
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Left Cheek	0mm	2 with 5GHz	27710	2310	17.38	17.50	1.028	0.06	0.208	0.214
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Left Tilted	0mm	2 with 5GHz	27710	2310	17.38	17.50	1.028	0.01	0.172	0.177
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Right Cheek	0mm	2 with 5GHz	27710	2310	17.36	17.50	1.033	0.06	0.696	0.719
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Right Tilted	0mm	2 with 5GHz	27710	2310	17.36	17.50	1.033	0.05	0.712	0.735
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Left Cheek	0mm	2 with 5GHz	27710	2310	17.36	17.50	1.033	0.03	0.197	0.203
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Left Tilted	0mm	2 with 5GHz	27710	2310	17.36	17.50	1.033	0.03	0.168	0.174
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Right Cheek	0mm	Full Power	27710	2310	22.56	23.80	1.330	0.05	0.121	0.161
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Right Tilted	0mm	Full Power	27710	2310	22.56	23.80	1.330	-0.03	0.083	0.110
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Left Cheek	0mm	Full Power	27710	2310	22.56	23.80	1.330	0.01	0.112	0.149
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Left Tilted	0mm	Full Power	27710	2310	22.56	23.80	1.330	0.08	0.068	0.090
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Right Cheek	0mm	Full Power	27710	2310	21.51	22.80	1.346	0.12	0.096	0.129
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Right Tilted	0mm	Full Power	27710	2310	21.51	22.80	1.346	0.02	0.066	0.089
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Left Cheek	0mm	Full Power	27710	2310	21.51	22.80	1.346	0.06	0.091	0.122
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Left Tilted	0mm	Full Power	27710	2310	21.51	22.80	1.346	-0.03	0.055	0.074



FCC SAR TEST REPORT

Report No. : FA8D2526-01

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Cheek	0mm	1 or 2 with 5GHz	21350	2560	17.70	18.20	1.122	-0.05	0.913	1.024
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Tilted	0mm	1 or 2 with 5GHz	21350	2560	17.70	18.20	1.122	0.06	0.954	1.070
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Left Cheek	0mm	1 or 2 with 5GHz	21350	2560	17.70	18.20	1.122	0.02	0.229	0.257
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Left Tilted	0mm	1 or 2 with 5GHz	21350	2560	17.70	18.20	1.122	0.04	0.278	0.312
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Cheek	0mm	1 or 2 with 5GHz	20850	2510	17.55	18.20	1.161	-0.05	0.898	1.043
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Cheek	0mm	1 or 2 with 5GHz	21100	2535	17.60	18.20	1.148	0.05	0.896	1.029
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Tilted	0mm	1 or 2 with 5GHz	20850	2510	17.55	18.20	1.161	0.02	0.958	1.113
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Tilted	0mm	1 or 2 with 5GHz	21100	2535	17.60	18.20	1.148	-0.03	0.954	1.095
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 5GHz	21350	2560	17.69	18.20	1.125	-0.18	0.923	1.038
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 5GHz	21350	2560	17.69	18.20	1.125	-0.04	0.997	1.121
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Left Cheek	0mm	1 or 2 with 5GHz	21350	2560	17.69	18.20	1.125	0.07	0.255	0.287
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Left Tilted	0mm	1 or 2 with 5GHz	21350	2560	17.69	18.20	1.125	-0.02	0.311	0.350
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 5GHz	20850	2510	17.60	18.20	1.148	0.02	0.894	1.026
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 5GHz	21100	2535	17.68	18.20	1.127	0.03	0.953	1.074
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 5GHz	20850	2510	17.60	18.20	1.148	-0.1	0.963	1.106
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 5GHz	21100	2535	17.68	18.20	1.127	-0.03	1.040	1.172
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 5GHz	21100(PCC)+20902(SCC)	2535(PCC) + 2515.2(SCC)	17.63	18.20	1.140	0.05	0.871	0.993
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 5GHz	20850(PCC)+21048(SCC)	2510(PCC) + 2529.8(SCC)	17.55	18.20	1.161	0.01	0.816	0.948
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 5GHz	21350(PCC)+21152(SCC)	2560(PCC) + 2540.2(SCC)	17.56	18.20	1.159	-0.03	0.834	0.966
	LTE Band 7_UAT	20M	QPSK	100RB	0Offset	Right Cheek	0mm	1 or 2 with 5GHz	21350	2560	17.67	18.20	1.130	0.05	0.898	1.015
	LTE Band 7_UAT	20M	QPSK	100RB	0Offset	Right Tilted	0mm	1 or 2 with 5GHz	21350	2560	17.67	18.20	1.130	-0.03	0.974	1.100
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Cheek	0mm	2 with 2.4GHz	21350	2560	18.18	18.30	1.028	0.05	1.020	1.049
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Tilted	0mm	2 with 2.4GHz	21350	2560	18.18	18.30	1.028	0.04	1.030	1.059
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Left Cheek	0mm	2 with 2.4GHz	21350	2560	18.18	18.30	1.028	0.03	0.234	0.241
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Left Tilted	0mm	2 with 2.4GHz	21350	2560	18.18	18.30	1.028	0.02	0.255	0.262
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Cheek	0mm	2 with 2.4GHz	21100	2535	18.07	18.30	1.054	0.05	1.070	1.128
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Tilted	0mm	2 with 2.4GHz	21100	2535	18.07	18.30	1.054	0.05	1.080	1.139
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	21350	2560	18.17	18.30	1.030	0.05	1.080	1.113
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	21350	2560	18.17	18.30	1.030	0.09	1.110	1.144
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Left Cheek	0mm	2 with 2.4GHz	21350	2560	18.17	18.30	1.030	0.07	0.254	0.262
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Left Tilted	0mm	2 with 2.4GHz	21350	2560	18.17	18.30	1.030	-0.03	0.257	0.265
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	21100	2535	18.15	18.30	1.035	0.06	1.130	1.170
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	20850	2510	18.04	18.30	1.062	-0.06	1.110	1.178
19	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	21100	2535	18.15	18.30	1.035	-0.09	1.140	1.180
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	21100(PCC)+20902(SCC)	2535(PCC) + 2515.2(SCC)	18.11	18.30	1.045	-0.02	1.090	1.139
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	20850(PCC)+21048(SCC)	2510(PCC) + 2529.8(SCC)	18.01	18.30	1.069	0.01	1.010	1.080
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	21350(PCC)+21152(SCC)	2560(PCC) + 2540.2(SCC)	18.16	18.30	1.033	0.07	1.060	1.095
	LTE Band 7_UAT	20M	QPSK	100RB	0Offset	Right Cheek	0mm	2 with 2.4GHz	21350	2560	18.14	18.30	1.038	0.03	1.050	1.089
	LTE Band 7_UAT	20M	QPSK	100RB	0Offset	Right Tilted	0mm	2 with 2.4GHz	21350	2560	18.14	18.30	1.038	0.02	1.070	1.110
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Right Cheek	0mm	Full Power	21350	2560	23.25	23.80	1.135	0.01	0.080	0.091
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Right Tilted	0mm	Full Power	21350	2560	23.25	23.80	1.135	0.09	0.094	0.107
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Left Cheek	0mm	Full Power	21350	2560	23.25	23.80	1.135	-0.05	0.108	0.123
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Left Tilted	0mm	Full Power	21350	2560	23.25	23.80	1.135	0.03	0.055	0.062
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Left Cheek	0mm	Full Power	20850	2510	23.22	23.80	1.143	0.06	0.103	0.118
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Left Cheek	0mm	Full Power	21100	2535	23.24	23.80	1.138	0.05	0.109	0.124
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Left Cheek	0mm	Full Power	21100(PCC)+20902(SCC)	2535(PCC) + 2515.2(SCC)	22.95	23.80	1.216	0.02	0.102	0.124
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	Full Power	21350	2560	22.35	22.80	1.109	-0.07	0.072	0.080



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LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	Full Power	21350	2560	22.35	22.80	1.109	0.01	0.088	0.098
LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Left Cheek	0mm	Full Power	21350	2560	22.35	22.80	1.109	0.04	0.098	0.109
LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Left Tilted	0mm	Full Power	21350	2560	22.35	22.80	1.109	0.06	0.052	0.058

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	41490	2680	19.22	19.50	1.067	62.9	1.006	0.05	0.554	0.594
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Tilted	0mm	1 or 2 with 2.4GHz	41490	2680	19.22	19.50	1.067	62.9	1.006	-0.02	0.442	0.474
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Cheek	0mm	1 or 2 with 2.4GHz	41490	2680	19.22	19.50	1.067	62.9	1.006	0.07	0.128	0.137
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Tilted	0mm	1 or 2 with 2.4GHz	41490	2680	19.22	19.50	1.067	62.9	1.006	0.01	0.150	0.161
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	41490	2680	19.20	19.50	1.072	62.9	1.006	0.02	0.589	0.635
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Tilted	0mm	1 or 2 with 2.4GHz	41490	2680	19.20	19.50	1.072	62.9	1.006	0.02	0.439	0.473
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Left Cheek	0mm	1 or 2 with 2.4GHz	41490	2680	19.20	19.50	1.072	62.9	1.006	-0.05	0.131	0.141
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Left Tilted	0mm	1 or 2 with 2.4GHz	41490	2680	19.20	19.50	1.072	62.9	1.006	-0.11	0.151	0.163
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	39790(PCC) + 39988(SCC)	2510(PCC) + 2529.8(SCC)	19.09	19.50	1.099	62.9	1.006	0.05	0.763	0.844
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	39750(PCC) + 39948(SCC)	2506(PCC) + 2525.8(SCC)	19.13	19.50	1.089	62.9	1.006	-0.02	0.751	0.823
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	40185(PCC) + 40383(SCC)	2549.5(PCC) + 2569.3(SCC)	19.15	19.50	1.084	62.9	1.006	0.07	0.632	0.689
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	40620(PCC) + 40422(SCC)	2593(PCC) + 2573.2(SCC)	19.15	19.50	1.084	62.9	1.006	-0.03	0.706	0.770
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	41055(PCC) + 40857(SCC)	2636.5(PCC) + 2616.7(SCC)	19.01	19.50	1.119	62.9	1.006	0.01	0.624	0.703
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	41490(PCC)+ 41292(SCC)	2680(PCC) + 2660.2(SCC)	19.16	19.50	1.081	62.9	1.006	0.06	0.577	0.628
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	39750	2506	19.19	19.50	1.074	62.9	1.006	0.05	0.817	0.883
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	40185	2549.5	19.19	19.50	1.074	62.9	1.006	0.02	0.765	0.827
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	40620	2593	19.09	19.50	1.099	62.9	1.006	-0.09	0.814	0.900
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	41055	2636.5	19.04	19.50	1.112	62.9	1.006	0.02	0.691	0.773
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	39750	2506	19.33	19.50	1.040	42.9	1.009	0.06	0.577	0.605
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	40185	2549.5	19.29	19.50	1.050	42.9	1.009	0.01	0.594	0.629
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	40620	2593	19.26	19.50	1.057	42.9	1.009	0.04	0.522	0.557
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	41055	2636.5	19.13	19.50	1.089	42.9	1.009	0.02	0.440	0.483
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	41490	2680	19.38	19.50	1.028	42.9	1.009	-0.06	0.409	0.424
	LTE Band 41_UAT	20M	QPSK	100RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz	41490	2680	19.19	19.50	1.074	62.9	1.006	-0.01	0.584	0.631



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	41490	2680	20.30	20.50	1.047	62.9	1.006	0.09	0.585	0.616
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Tilted	0mm	2 with 5GHz	41490	2680	20.30	20.50	1.047	62.9	1.006	0.02	0.494	0.520
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Cheek	0mm	2 with 5GHz	41490	2680	20.30	20.50	1.047	62.9	1.006	-0.05	0.166	0.175
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Tilted	0mm	2 with 5GHz	41490	2680	20.30	20.50	1.047	62.9	1.006	0.04	0.198	0.209
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	39750	2506	20.29	20.50	1.050	62.9	1.006	-0.01	1.090	1.151
20	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	40185	2549.5	20.00	20.50	1.122	62.9	1.006	0.01	1.050	1.185
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	39790(PCC) + 39988(SCC)	2510(PCC) + 2529.8(SCC)	20.26	20.50	1.057	62.9	1.006	0.05	0.895	0.952
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	39750(PCC) + 39948(SCC)	2506(PCC) + 2525.8(SCC)	20.28	20.50	1.052	62.9	1.006	-0.04	0.902	0.955
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	40185(PCC) + 40383(SCC)	2549.5(PCC) + 2569.3(SCC)	19.94	20.50	1.138	62.9	1.006	0.13	0.911	1.043
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	40620(PCC) + 40422(SCC)	2593(PCC) + 2573.2(SCC)	20.07	20.50	1.104	62.9	1.006	0.04	0.889	0.987
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	41055(PCC) + 40857(SCC)	2636.5(PCC) + 2616.7(SCC)	19.79	20.50	1.178	62.9	1.006	0.08	0.751	0.890
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	41490(PCC)+ 41292(SCC)	2680(PCC) + 2660.2(SCC)	20.27	20.50	1.054	62.9	1.006	0.06	0.510	0.541
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	40620	2593	20.10	20.50	1.096	62.9	1.006	0.05	0.929	1.025
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	41055	2636.5	20.12	20.50	1.091	62.9	1.006	0.04	0.790	0.867
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	39750	2506	20.32	20.50	1.042	42.9	1.009	0.05	0.695	0.731
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	40185	2549.5	20.20	20.50	1.072	42.9	1.009	0.03	0.714	0.772
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	40620	2593	20.35	20.50	1.035	42.9	1.009	-0.02	0.675	0.705
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	41055	2636.5	20.31	20.50	1.045	42.9	1.009	0.02	0.571	0.602
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	2 with 5GHz	41490	2680	20.43	20.50	1.016	42.9	1.009	0.04	0.527	0.540
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	2 with 5GHz	41490	2680	20.05	20.50	1.109	62.9	1.006	0.05	0.544	0.607
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Tilted	0mm	2 with 5GHz	41490	2680	20.05	20.50	1.109	62.9	1.006	0.02	0.458	0.511
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Left Cheek	0mm	2 with 5GHz	41490	2680	20.05	20.50	1.109	62.9	1.006	0.07	0.158	0.176
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Left Tilted	0mm	2 with 5GHz	41490	2680	20.05	20.50	1.109	62.9	1.006	-0.02	0.172	0.192
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	2 with 5GHz	39750	2506	20.01	20.50	1.119	62.9	1.006	0.05	0.926	1.043
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	2 with 5GHz	40185	2549.5	19.76	20.50	1.186	62.9	1.006	0.04	0.961	1.146
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	2 with 5GHz	40620	2593	19.85	20.50	1.161	62.9	1.006	0.02	0.932	1.089
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	2 with 5GHz	41055	2636.5	19.82	20.50	1.169	62.9	1.006	0.06	0.884	1.040
	LTE Band 41_UAT	20M	QPSK	100RB	0Offset	Right Cheek	0mm	2 with 5GHz	41490	2680	20.02	20.50	1.117	62.9	1.006	0.01	0.543	0.610



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Right Cheek	0mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	0.05	0.040	0.045
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Right Tilted	0mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	-0.03	0.052	0.059
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	0.07	0.059	0.067
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Tilted	0mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	0.02	0.032	0.036
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0mm	Full Power	39750	2506	22.87	23.80	1.239	62.9	1.006	0.06	0.063	0.079
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0mm	Full Power	40185	2549.5	22.89	23.80	1.233	62.9	1.006	-0.05	0.067	0.083
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0mm	Full Power	40620	2593	22.93	23.80	1.222	62.9	1.006	0.03	0.046	0.057
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0mm	Full Power	41055	2636.5	22.95	23.80	1.216	62.9	1.006	0.01	0.069	0.084
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0mm	Full Power	41055	2636.5	25.35	26.30	1.245	42.9	1.009	0.04	0.081	0.102
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0mm	Full Power	41055(PCC) + 40857(SCC) 2636.5(PCC) + 2616.7(SCC)		22.56	23.80	1.330	62.9	1.006	0.05	0.062	0.083
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Right Cheek	0mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	-0.06	0.034	0.038
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Right Tilted	0mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	0.04	0.026	0.029
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Left Cheek	0mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	0.05	0.041	0.046
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Left Tilted	0mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	0.06	0.029	0.033
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.94	17.00	1.014	62.9	1.006	-0.02	0.886	0.904
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.94	17.00	1.014	62.9	1.006	-0.05	0.657	0.670
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Left Cheek	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.94	17.00	1.014	62.9	1.006	0.02	0.254	0.259
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Left Tilted	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.94	17.00	1.014	62.9	1.006	0.09	0.220	0.224
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	55340	3560	16.74	17.00	1.062	62.9	1.006	0.02	0.765	0.817
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	56150	3641	16.69	17.00	1.074	62.9	1.006	0.06	0.793	0.857
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	56640	3690	16.65	17.00	1.084	62.9	1.006	0.01	0.842	0.918
21	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.91	17.00	1.021	62.9	1.006	-0.07	0.950	0.976
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.91	17.00	1.021	62.9	1.006	0.05	0.745	0.765
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Left Cheek	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.91	17.00	1.021	62.9	1.006	-0.06	0.262	0.269
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Left Tilted	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.91	17.00	1.021	62.9	1.006	0.02	0.233	0.239
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	55340	3560	16.58	17.00	1.102	62.9	1.006	0.07	0.798	0.884
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	56150	3641	16.80	17.00	1.047	62.9	1.006	0.08	0.878	0.925
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	56640	3690	16.76	17.00	1.057	62.9	1.006	0.03	0.855	0.909
	LTE Band 48_UAT	20M	QPSK	100RB	0Offset	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.90	17.00	1.023	62.9	1.006	-0.05	0.835	0.860

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 1+2	1	1	2412	19.07	19.50	1.105	99.24	1.008	0.05	0.188	0.209
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 1+2	1	1	2412	19.07	19.50	1.105	99.24	1.008	-0.02	0.151	0.168
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 1+2	1	1	2412	19.07	19.50	1.105	99.24	1.008	0.02	0.484	0.539
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 1+2	1	1	2412	19.07	19.50	1.105	99.24	1.008	0.04	0.431	0.480
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 1+2	1	6	2437	18.81	19.00	1.044	99.24	1.008	0.01	0.621	0.653
22	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 1+2	1	11	2462	18.24	18.50	1.062	99.24	1.008	-0.05	0.862	0.923
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	-0.08	0.071	0.091
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	0.01	0.012	0.015
23	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	0.03	0.248	0.319
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	0.11	0.237	0.305
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	56	5280	19.47	20.73	1.337	97.86	1.022	0.04	0.231	0.316
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	60	5300	19.53	20.73	1.319	97.86	1.022	0.01	0.221	0.298
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	64	5320	19.51	20.73	1.325	97.86	1.022	0.16	0.206	0.279
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.05	0.074	0.095
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.14	0.016	0.021
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.01	0.215	0.277
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	-0.07	0.203	0.261
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	116	5580	20.18	21.25	1.279	97.86	1.022	0.08	0.242	0.316
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	132	5660	20.16	21.25	1.285	97.86	1.022	-0.05	0.293	0.385
24	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	140	5700	20.13	21.25	1.294	97.86	1.022	0.13	0.362	0.479
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	144	5720	20.18	21.25	1.279	97.86	1.022	0.07	0.300	0.392
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.260	97.86	1.022	0.08	0.085	0.109
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.260	97.86	1.022	-0.15	0.018	0.023
25	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.260	97.86	1.022	0.03	0.412	0.531
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.260	97.86	1.022	0.06	0.341	0.439
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	149	5745	20.31	21.39	1.282	97.86	1.022	0.04	0.392	0.514
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 1+2	Full Power	157	5785	20.27	21.39	1.293	97.86	1.022	0.07	0.397	0.525

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	0.06	0.100	0.140
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	-0.15	0.078	0.109
26	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	0.06	0.246	0.344
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	0.07	0.206	0.288
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 1	0	2402	12.80	13.00	1.047	76.8	1.085	-0.03	0.239	0.272
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 1	78	2480	12.20	13.00	1.202	76.8	1.085	-0.09	0.240	0.313



13.2 Hotspot SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_UAT	GPRS(4 Tx slots)	Front	10mm	Full Power	128	824.2	27.76	28.55	1.199	0.02	0.432	0.518
	GSM850_UAT	GPRS(4 Tx slots)	Back	10mm	Full Power	128	824.2	27.76	28.55	1.199	0.01	0.691	0.829
	GSM850_UAT	GPRS(4 Tx slots)	Left Side	10mm	Full Power	128	824.2	27.76	28.55	1.199	-0.01	0.751	0.901
	GSM850_UAT	GPRS(4 Tx slots)	Right Side	10mm	Full Power	128	824.2	27.76	28.55	1.199	0.03	0.041	0.049
	GSM850_UAT	GPRS(4 Tx slots)	Top Side	10mm	Full Power	128	824.2	27.76	28.55	1.199	0.05	0.023	0.028
	GSM850_UAT	GPRS(4 Tx slots)	Back	10mm	Full Power	189	836.4	27.73	28.55	1.208	0.01	0.723	0.873
	GSM850_UAT	GPRS(4 Tx slots)	Back	10mm	Full Power	251	848.8	27.66	28.55	1.227	0.08	0.787	0.966
	GSM850_UAT	GPRS(4 Tx slots)	Left Side	10mm	Full Power	189	836.4	27.73	28.55	1.208	0.05	0.889	1.074
27	GSM850_UAT	GPRS(4 Tx slots)	Left Side	10mm	Full Power	251	848.8	27.66	28.55	1.227	-0.04	0.911	1.118
	GSM850_UAT	GPRS(4 Tx slots)	Front	10mm	3 with 5GHz	128	824.2	23.49	24.05	1.138	0.01	0.186	0.212
	GSM850_UAT	GPRS(4 Tx slots)	Back	10mm	3 with 5GHz	128	824.2	23.49	24.05	1.138	0.03	0.410	0.466
	GSM850_UAT	GPRS(4 Tx slots)	Left Side	10mm	3 with 5GHz	128	824.2	23.49	24.05	1.138	0.09	0.333	0.379
	GSM850_UAT	GPRS(4 Tx slots)	Right Side	10mm	3 with 5GHz	128	824.2	23.49	24.05	1.138	0.01	0.023	0.026
	GSM850_UAT	GPRS(4 Tx slots)	Top Side	10mm	3 with 5GHz	128	824.2	23.49	24.05	1.138	0.05	0.015	0.017
	GSM850_UAT	GPRS(4 Tx slots)	Back	10mm	3 with 5GHz	189	836.4	23.47	24.05	1.143	0.04	0.292	0.334
	GSM850_UAT	GPRS(4 Tx slots)	Back	10mm	3 with 5GHz	251	848.8	23.44	24.05	1.151	0.09	0.311	0.358
	GSM850_LAT	GPRS(4 Tx slots)	Front	10mm	Full Power	189	836.4	27.02	27.85	1.211	0.01	0.130	0.157
	GSM850_LAT	GPRS(4 Tx slots)	Back	10mm	Full Power	189	836.4	27.02	27.85	1.211	-0.03	0.142	0.172
	GSM850_LAT	GPRS(4 Tx slots)	Left Side	10mm	Full Power	189	836.4	27.02	27.85	1.211	0.07	0.096	0.116
	GSM850_LAT	GPRS(4 Tx slots)	Right Side	10mm	Full Power	189	836.4	27.02	27.85	1.211	0.05	0.093	0.113
	GSM850_LAT	GPRS(4 Tx slots)	Bottom Side	10mm	Full Power	189	836.4	27.02	27.85	1.211	-0.04	0.122	0.148
	GSM850_LAT	GPRS(4 Tx slots)	Back	10mm	Full Power	128	824.2	27.00	27.85	1.216	0.03	0.138	0.168
	GSM850_LAT	GPRS(4 Tx slots)	Back	10mm	Full Power	251	848.8	26.92	27.85	1.239	0.08	0.136	0.168
	GSM1900_UAT	GPRS(3 Tx slots)	Front	10mm	Full Power	512	1850.2	24.56	25.70	1.300	0.05	0.338	0.439
	GSM1900_UAT	GPRS(3 Tx slots)	Back	10mm	Full Power	512	1850.2	24.56	25.70	1.300	-0.05	0.411	0.534
	GSM1900_UAT	GPRS(3 Tx slots)	Left Side	10mm	Full Power	512	1850.2	24.56	25.70	1.300	0.02	0.178	0.231
	GSM1900_UAT	GPRS(3 Tx slots)	Right Side	10mm	Full Power	512	1850.2	24.56	25.70	1.300	-0.08	0.009	0.012
	GSM1900_UAT	GPRS(3 Tx slots)	Top Side	10mm	Full Power	512	1850.2	24.56	25.70	1.300	-0.01	0.354	0.460
	GSM1900_UAT	GPRS(3 Tx slots)	Back	10mm	Full Power	661	1880	24.55	25.70	1.303	-0.05	0.494	0.644
	GSM1900_UAT	GPRS(3 Tx slots)	Back	10mm	Full Power	810	1909.8	24.47	25.70	1.327	-0.02	0.388	0.515
	GSM1900_UAT	GPRS(2 Tx slots)	Front	10mm	3 with 5GHz	661	1880	26.12	26.70	1.143	0.05	0.274	0.313
	GSM1900_UAT	GPRS(2 Tx slots)	Back	10mm	3 with 5GHz	661	1880	26.12	26.70	1.143	0.06	0.436	0.498
	GSM1900_UAT	GPRS(2 Tx slots)	Left Side	10mm	3 with 5GHz	661	1880	26.12	26.70	1.143	-0.05	0.213	0.243
	GSM1900_UAT	GPRS(2 Tx slots)	Right Side	10mm	3 with 5GHz	661	1880	26.12	26.70	1.143	0.04	0.004	0.005
	GSM1900_UAT	GPRS(2 Tx slots)	Top Side	10mm	3 with 5GHz	661	1880	26.12	26.70	1.143	0.01	0.304	0.347
	GSM1900_UAT	GPRS(2 Tx slots)	Back	10mm	3 with 5GHz	512	1850.2	25.74	26.70	1.247	-0.04	0.428	0.534
	GSM1900_UAT	GPRS(2 Tx slots)	Back	10mm	3 with 5GHz	810	1909.8	25.61	26.70	1.285	-0.09	0.358	0.460
	GSM1900_LAT	GPRS(3 Tx slots)	Front	10mm	Full Power	512	1850.2	25.88	26.80	1.236	0.02	0.429	0.530
	GSM1900_LAT	GPRS(3 Tx slots)	Back	10mm	Full Power	512	1850.2	25.88	26.80	1.236	-0.09	0.469	0.580
	GSM1900_LAT	GPRS(3 Tx slots)	Left Side	10mm	Full Power	512	1850.2	25.88	26.80	1.236	-0.05	0.148	0.183
	GSM1900_LAT	GPRS(3 Tx slots)	Right Side	10mm	Full Power	512	1850.2	25.88	26.80	1.236	0.02	0.082	0.101
	GSM1900_LAT	GPRS(3 Tx slots)	Bottom Side	10mm	Full Power	512	1850.2	25.88	26.80	1.236	0.09	0.819	1.012
28	GSM1900_LAT	GPRS(3 Tx slots)	Bottom Side	10mm	Full Power	661	1880	25.77	26.80	1.268	-0.01	0.858	1.088
	GSM1900_LAT	GPRS(3 Tx slots)	Bottom Side	10mm	Full Power	810	1909.8	25.69	26.80	1.291	0.12	0.783	1.011



<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V_UAT	RMC 12.2Kbps	Front	10mm	Full Power	4182	836.4	24.04	24.80	1.191	0.08	0.412	0.491
	WCDMA V_UAT	RMC 12.2Kbps	Back	10mm	Full Power	4182	836.4	24.04	24.80	1.191	0.06	0.829	0.988
29	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10mm	Full Power	4182	836.4	24.04	24.80	1.191	-0.17	0.982	1.170
	WCDMA V_UAT	RMC 12.2Kbps	Right Side	10mm	Full Power	4182	836.4	24.04	24.80	1.191	0.04	0.042	0.050
	WCDMA V_UAT	RMC 12.2Kbps	Top Side	10mm	Full Power	4182	836.4	24.04	24.80	1.191	0.04	0.023	0.027
	WCDMA V_UAT	RMC 12.2Kbps	Back	10mm	Full Power	4132	826.4	23.99	24.80	1.205	0.06	0.874	1.053
	WCDMA V_UAT	RMC 12.2Kbps	Back	10mm	Full Power	4233	846.6	24.01	24.80	1.199	0.01	0.879	1.054
	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10mm	Full Power	4132	826.4	23.99	24.80	1.205	-0.03	0.911	1.098
	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10mm	Full Power	4233	846.6	24.01	24.80	1.199	-0.09	0.910	1.092
	WCDMA V_UAT	RMC 12.2Kbps	Front	10mm	2 with 5GHz	4182	836.4	19.98	20.80	1.208	0.09	0.194	0.234
	WCDMA V_UAT	RMC 12.2Kbps	Back	10mm	2 with 5GHz	4182	836.4	19.98	20.80	1.208	0.03	0.321	0.388
	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10mm	2 with 5GHz	4182	836.4	19.98	20.80	1.208	-0.01	0.326	0.394
	WCDMA V_UAT	RMC 12.2Kbps	Right Side	10mm	2 with 5GHz	4182	836.4	19.98	20.80	1.208	0.05	0.020	0.024
	WCDMA V_UAT	RMC 12.2Kbps	Top Side	10mm	2 with 5GHz	4182	836.4	19.98	20.80	1.208	0.08	0.012	0.014
	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10mm	2 with 5GHz	4132	826.4	19.95	20.80	1.216	-0.04	0.310	0.377
	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10mm	2 with 5GHz	4233	846.6	19.97	20.80	1.211	0.06	0.319	0.386
	WCDMA V_LAT	RMC 12.2Kbps	Front	10mm	Full Power	4182	836.4	23.60	24.20	1.148	0.07	0.138	0.158
	WCDMA V_LAT	RMC 12.2Kbps	Back	10mm	Full Power	4182	836.4	23.60	24.20	1.148	-0.04	0.152	0.175
	WCDMA V_LAT	RMC 12.2Kbps	Left Side	10mm	Full Power	4182	836.4	23.60	24.20	1.148	0.05	0.107	0.123
	WCDMA V_LAT	RMC 12.2Kbps	Right Side	10mm	Full Power	4182	836.4	23.60	24.20	1.148	0.06	0.105	0.121
	WCDMA V_LAT	RMC 12.2Kbps	Bottom Side	10mm	Full Power	4182	836.4	23.60	24.20	1.148	-0.08	0.161	0.185
	WCDMA V_LAT	RMC 12.2Kbps	Bottom Side	10mm	Full Power	4132	826.4	23.52	24.20	1.169	0.01	0.160	0.187
	WCDMA V_LAT	RMC 12.2Kbps	Bottom Side	10mm	Full Power	4233	846.6	23.59	24.20	1.151	0.04	0.156	0.180
	WCDMA IV_UAT	RMC 12.2Kbps	Front	10mm	Full Power	1413	1732.6	22.73	23.60	1.222	0.07	0.566	0.692
	WCDMA IV_UAT	RMC 12.2Kbps	Back	10mm	Full Power	1413	1732.6	22.73	23.60	1.222	-0.03	0.752	0.919
	WCDMA IV_UAT	RMC 12.2Kbps	Left Side	10mm	Full Power	1413	1732.6	22.73	23.60	1.222	0.05	0.396	0.484
	WCDMA IV_UAT	RMC 12.2Kbps	Right Side	10mm	Full Power	1413	1732.6	22.73	23.60	1.222	-0.02	0.058	0.071
	WCDMA IV_UAT	RMC 12.2Kbps	Top Side	10mm	Full Power	1413	1732.6	22.73	23.60	1.222	0.04	0.797	0.974
	WCDMA IV_UAT	RMC 12.2Kbps	Back	10mm	Full Power	1312	1712.4	22.52	23.60	1.282	-0.05	0.689	0.884
30	WCDMA IV_UAT	RMC 12.2Kbps	Back	10mm	Full Power	1513	1752.6	22.67	23.60	1.239	-0.13	0.957	1.186
	WCDMA IV_UAT	RMC 12.2Kbps	Top Side	10mm	Full Power	1312	1712.4	22.52	23.60	1.282	-0.03	0.719	0.922
	WCDMA IV_UAT	RMC 12.2Kbps	Top Side	10mm	Full Power	1513	1752.6	22.67	23.60	1.239	0.02	0.890	1.103
	WCDMA IV_UAT	RMC 12.2Kbps	Front	10mm	3 with 5GHz	1413	1732.6	19.28	20.10	1.208	-0.05	0.249	0.301
	WCDMA IV_UAT	RMC 12.2Kbps	Back	10mm	3 with 5GHz	1413	1732.6	19.28	20.10	1.208	0.03	0.310	0.374
	WCDMA IV_UAT	RMC 12.2Kbps	Left Side	10mm	3 with 5GHz	1413	1732.6	19.28	20.10	1.208	0.08	0.184	0.222
	WCDMA IV_UAT	RMC 12.2Kbps	Right Side	10mm	3 with 5GHz	1413	1732.6	19.28	20.10	1.208	0.01	0.020	0.024
	WCDMA IV_UAT	RMC 12.2Kbps	Top Side	10mm	3 with 5GHz	1413	1732.6	19.28	20.10	1.208	0.01	0.358	0.432
	WCDMA IV_UAT	RMC 12.2Kbps	Top Side	10mm	3 with 5GHz	1312	1712.4	19.05	20.10	1.274	0.09	0.338	0.430
	WCDMA IV_UAT	RMC 12.2Kbps	Top Side	10mm	3 with 5GHz	1513	1752.6	19.20	20.10	1.230	0.01	0.386	0.475
	WCDMA IV_LAT	RMC 12.2Kbps	Front	10mm	1	1413	1732.6	23.62	23.80	1.042	0.05	0.692	0.721
	WCDMA IV_LAT	RMC 12.2Kbps	Back	10mm	1	1413	1732.6	23.62	23.80	1.042	0.02	0.798	0.832
	WCDMA IV_LAT	RMC 12.2Kbps	Left Side	10mm	1	1413	1732.6	23.62	23.80	1.042	-0.06	0.381	0.397
	WCDMA IV_LAT	RMC 12.2Kbps	Right Side	10mm	1	1413	1732.6	23.62	23.80	1.042	0.02	0.238	0.248
	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	10mm	1	1413	1732.6	23.62	23.80	1.042	-0.11	1.090	1.136
	WCDMA IV_LAT	RMC 12.2Kbps	Back	10mm	1	1312	1712.4	23.41	23.80	1.094	0.06	0.712	0.779
	WCDMA IV_LAT	RMC 12.2Kbps	Back	10mm	1	1513	1752.6	23.58	23.80	1.052	0.04	0.793	0.834
	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	10mm	1	1312	1712.4	23.41	23.80	1.094	-0.03	1.010	1.105
	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	10mm	1	1513	1752.6	23.58	23.80	1.052	-0.13	1.080	1.136

Plot No.	Band	Mode	Test Position	Gap (mm)	State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_UAT	RMC 12.2Kbps	Front	10mm	Full Power	9400	1880	22.95	23.30	1.084	0.06	0.689	0.747
	WCDMA II_UAT	RMC 12.2Kbps	Back	10mm	Full Power	9400	1880	22.95	23.30	1.084	-0.11	1.020	1.106
	WCDMA II_UAT	RMC 12.2Kbps	Left Side	10mm	Full Power	9400	1880	22.95	23.30	1.084	-0.05	0.466	0.505
	WCDMA II_UAT	RMC 12.2Kbps	Right Side	10mm	Full Power	9400	1880	22.95	23.30	1.084	0.03	0.060	0.065
	WCDMA II_UAT	RMC 12.2Kbps	Top Side	10mm	Full Power	9400	1880	22.95	23.30	1.084	0.05	0.735	0.797
31	WCDMA II_UAT	RMC 12.2Kbps	Back	10mm	Full Power	9262	1852.4	22.63	23.30	1.167	-0.09	0.966	1.127
	WCDMA II_UAT	RMC 12.2Kbps	Back	10mm	Full Power	9538	1907.6	22.83	23.30	1.114	-0.02	0.785	0.875
	WCDMA II_UAT	RMC 12.2Kbps	Front	10mm	3 with 5GHz	9400	1880	19.44	19.60	1.038	0.05	0.325	0.337
	WCDMA II_UAT	RMC 12.2Kbps	Back	10mm	3 with 5GHz	9400	1880	19.44	19.60	1.038	0.04	0.423	0.439
	WCDMA II_UAT	RMC 12.2Kbps	Left Side	10mm	3 with 5GHz	9400	1880	19.44	19.60	1.038	0.02	0.225	0.233
	WCDMA II_UAT	RMC 12.2Kbps	Right Side	10mm	3 with 5GHz	9400	1880	19.44	19.60	1.038	0.01	0.040	0.042
	WCDMA II_UAT	RMC 12.2Kbps	Top Side	10mm	3 with 5GHz	9400	1880	19.44	19.60	1.038	-0.06	0.381	0.395
	WCDMA II_UAT	RMC 12.2Kbps	Back	10mm	3 with 5GHz	9262	1852.4	19.31	19.60	1.069	-0.09	0.435	0.465
	WCDMA II_UAT	RMC 12.2Kbps	Back	10mm	3 with 5GHz	9538	1907.6	19.30	19.60	1.072	0.02	0.394	0.422
	WCDMA II_LAT	RMC 12.2Kbps	Front	10mm	1	9400	1880	22.22	22.30	1.019	0.05	0.706	0.719
	WCDMA II_LAT	RMC 12.2Kbps	Back	10mm	1	9400	1880	22.22	22.30	1.019	0.08	0.810	0.825
	WCDMA II_LAT	RMC 12.2Kbps	Left Side	10mm	1	9400	1880	22.22	22.30	1.019	-0.02	0.162	0.165
	WCDMA II_LAT	RMC 12.2Kbps	Right Side	10mm	1	9400	1880	22.22	22.30	1.019	0.01	0.144	0.147
	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	10mm	1	9400	1880	22.22	22.30	1.019	-0.05	1.010	1.029
	WCDMA II_LAT	RMC 12.2Kbps	Back	10mm	1	9262	1852.4	22.11	22.30	1.045	-0.13	0.730	0.763
	WCDMA II_LAT	RMC 12.2Kbps	Back	10mm	1	9538	1907.6	22.16	22.30	1.033	0.07	0.675	0.697
	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	10mm	1	9262	1852.4	22.11	22.30	1.045	0.05	1.060	1.107
	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	10mm	1	9538	1907.6	22.16	22.30	1.033	0.03	1.080	1.115



<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Front	10mm	Full Power	777	848.31	23.90	24.80	1.230	0.06	0.460	0.566
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Back	10mm	Full Power	777	848.31	23.90	24.80	1.230	-0.02	0.922	1.134
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	10mm	Full Power	777	848.31	23.90	24.80	1.230	0.03	0.784	0.965
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Right Side	10mm	Full Power	777	848.31	23.90	24.80	1.230	0.01	0.035	0.043
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Top Side	10mm	Full Power	777	848.31	23.90	24.80	1.230	0.02	0.022	0.027
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Back	10mm	Full Power	1013	824.7	23.86	24.80	1.242	0.05	0.913	1.134
32	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Back	10mm	Full Power	384	836.52	23.88	24.80	1.236	-0.06	0.926	1.144
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	10mm	Full Power	1013	824.7	23.86	24.80	1.242	0.01	0.794	0.986
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	10mm	Full Power	384	836.52	23.88	24.80	1.236	0.04	0.730	0.902
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Front	10mm	3 with 5GHz	777	848.31	20.40	20.80	1.096	0.06	0.205	0.225
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Back	10mm	3 with 5GHz	777	848.31	20.40	20.80	1.096	0.04	0.321	0.352
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	10mm	3 with 5GHz	777	848.31	20.40	20.80	1.096	-0.07	0.394	0.432
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Right Side	10mm	3 with 5GHz	777	848.31	20.40	20.80	1.096	0.02	0.026	0.029
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Top Side	10mm	3 with 5GHz	777	848.31	20.40	20.80	1.096	0.05	0.013	0.014
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	10mm	3 with 5GHz	1013	824.7	20.35	20.80	1.109	0.09	0.440	0.488
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	10mm	3 with 5GHz	384	836.52	20.38	20.80	1.102	0.06	0.386	0.425
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Front	10mm	Full Power	777	848.31	23.51	24.10	1.146	0.03	0.163	0.187
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Back	10mm	Full Power	777	848.31	23.51	24.10	1.146	0.07	0.196	0.225
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Left Side	10mm	Full Power	777	848.31	23.51	24.10	1.146	0.06	0.104	0.119
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Right Side	10mm	Full Power	777	848.31	23.51	24.10	1.146	0.05	0.117	0.134
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Bottom Side	10mm	Full Power	777	848.31	23.51	24.10	1.146	-0.07	0.214	0.245
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Bottom Side	10mm	Full Power	1013	824.7	23.39	24.10	1.178	0.09	0.166	0.195
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Bottom Side	10mm	Full Power	384	836.52	23.47	24.10	1.156	0.03	0.172	0.199
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Front	10mm	Full Power	600	1880	22.68	23.30	1.153	0.03	0.655	0.756
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Back	10mm	Full Power	600	1880	22.68	23.30	1.153	-0.05	0.763	0.880
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Left Side	10mm	Full Power	600	1880	22.68	23.30	1.153	0.05	0.466	0.538
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Right Side	10mm	Full Power	600	1880	22.68	23.30	1.153	0.02	0.077	0.089
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Top Side	10mm	Full Power	600	1880	22.68	23.30	1.153	-0.04	0.705	0.813
33	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Back	10mm	Full Power	25	1851.25	22.52	23.30	1.197	-0.07	0.851	1.018
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Back	10mm	Full Power	1175	1908.75	22.62	23.30	1.169	0.03	0.653	0.764
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Top Side	10mm	Full Power	25	1851.25	22.52	23.30	1.197	0.07	0.826	0.989
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Top Side	10mm	Full Power	1175	1908.75	22.62	23.30	1.169	0.01	0.612	0.716
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Front	10mm	3 with 5GHz	600	1880	19.39	19.50	1.026	0.03	0.287	0.294
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Back	10mm	3 with 5GHz	600	1880	19.39	19.50	1.026	0.08	0.315	0.323
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Left Side	10mm	3 with 5GHz	600	1880	19.39	19.50	1.026	0.01	0.229	0.235
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Right Side	10mm	3 with 5GHz	600	1880	19.39	19.50	1.026	0.01	0.002	0.002
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Top Side	10mm	3 with 5GHz	600	1880	19.39	19.50	1.026	-0.05	0.312	0.320
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Back	10mm	3 with 5GHz	25	1851.25	19.33	19.50	1.040	-0.06	0.310	0.322
	CDMA2000 BC1_UAT	RTAP 153.6Kbps	Back	10mm	3 with 5GHz	1175	1908.75	19.34	19.50	1.038	0.04	0.303	0.314
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Front	10mm	1	600	1880	21.44	22.00	1.138	-0.05	0.485	0.552
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	10mm	1	600	1880	21.44	22.00	1.138	-0.03	0.648	0.737
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Left Side	10mm	1	600	1880	21.44	22.00	1.138	0.12	0.133	0.151
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Right Side	10mm	1	600	1880	21.44	22.00	1.138	0.06	0.090	0.102
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	10mm	1	600	1880	21.44	22.00	1.138	0.18	0.855	0.973
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	10mm	1	25	1851.25	21.32	22.00	1.169	0.09	0.750	0.877
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	10mm	1	1175	1908.75	21.33	22.00	1.167	0.08	0.756	0.882

**<FDD LTE SAR>**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Front	10mm	Full Power	133322	683	23.69	24.30	1.151	0.05	0.404	0.465
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Back	10mm	Full Power	133322	683	23.69	24.30	1.151	0.02	0.727	0.837
34	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	133322	683	23.69	24.30	1.151	-0.16	0.827	0.952
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	133322	683	23.69	24.30	1.151	-0.05	0.067	0.077
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	133322	683	23.69	24.30	1.151	0.02	0.015	0.018
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Front	10mm	Full Power	133322	683	22.85	23.30	1.109	0.03	0.366	0.406
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Back	10mm	Full Power	133322	683	22.85	23.30	1.109	0.01	0.664	0.736
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Left Side	10mm	Full Power	133322	683	22.85	23.30	1.109	0.02	0.735	0.815
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Right Side	10mm	Full Power	133322	683	22.85	23.30	1.109	0.09	0.071	0.079
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Top Side	10mm	Full Power	133322	683	22.85	23.30	1.109	0.06	0.015	0.016
	LTE Band 71_UAT	20M	QPSK	100RB	0Offset	Back	10mm	Full Power	133322	683	22.71	23.30	1.146	0.08	0.645	0.739
	LTE Band 71_UAT	20M	QPSK	100RB	0Offset	Left Side	10mm	Full Power	133322	683	22.71	23.30	1.146	0.01	0.710	0.813
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Front	10mm	3 with 5GHz	133322	683	20.40	20.50	1.023	0.06	0.140	0.143
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Back	10mm	3 with 5GHz	133322	683	20.40	20.50	1.023	0.04	0.249	0.255
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Left Side	10mm	3 with 5GHz	133322	683	20.40	20.50	1.023	0.01	0.295	0.302
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Right Side	10mm	3 with 5GHz	133322	683	20.40	20.50	1.023	0.06	0.034	0.035
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	3 with 5GHz	133322	683	20.40	20.50	1.023	0.01	0.006	0.006
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Front	10mm	3 with 5GHz	133322	683	20.34	20.50	1.038	-0.05	0.164	0.170
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Back	10mm	3 with 5GHz	133322	683	20.34	20.50	1.038	0.02	0.275	0.285
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Left Side	10mm	3 with 5GHz	133322	683	20.34	20.50	1.038	0.01	0.323	0.335
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Right Side	10mm	3 with 5GHz	133322	683	20.34	20.50	1.038	0.06	0.048	0.050
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Top Side	10mm	3 with 5GHz	133322	683	20.34	20.50	1.038	0.07	0.007	0.007
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Front	10mm	Full Power	133322	683	23.43	23.80	1.089	-0.05	0.141	0.154
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Back	10mm	Full Power	133322	683	23.43	23.80	1.089	0.03	0.237	0.258
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	133322	683	23.43	23.80	1.089	-0.01	0.120	0.131
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	133322	683	23.43	23.80	1.089	0.01	0.117	0.127
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10mm	Full Power	133322	683	23.43	23.80	1.089	0.01	0.071	0.077
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Front	10mm	Full Power	133322	683	22.46	22.80	1.081	0.05	0.148	0.160
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Back	10mm	Full Power	133322	683	22.46	22.80	1.081	0.04	0.179	0.194
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Left Side	10mm	Full Power	133322	683	22.46	22.80	1.081	0.08	0.110	0.119
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Right Side	10mm	Full Power	133322	683	22.46	22.80	1.081	0.01	0.103	0.111
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Bottom Side	10mm	Full Power	133322	683	22.46	22.80	1.081	0.05	0.061	0.066



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Front	10mm	Full Power	23095	707.5	23.42	24.30	1.225	-0.05	0.450	0.551
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Back	10mm	Full Power	23095	707.5	23.42	24.30	1.225	0.03	0.789	0.966
35	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	23095	707.5	23.42	24.30	1.225	-0.06	0.963	1.179
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Right Side	10mm	Full Power	23095	707.5	23.42	24.30	1.225	0.1	0.049	0.060
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Top Side	10mm	Full Power	23095	707.5	23.42	24.30	1.225	0.02	0.017	0.021
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Front	10mm	Full Power	23095	707.5	22.47	23.30	1.211	0.05	0.373	0.452
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Back	10mm	Full Power	23095	707.5	22.47	23.30	1.211	-0.03	0.650	0.787
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Left Side	10mm	Full Power	23095	707.5	22.47	23.30	1.211	0.03	0.729	0.883
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Right Side	10mm	Full Power	23095	707.5	22.47	23.30	1.211	-0.01	0.042	0.050
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Top Side	10mm	Full Power	23095	707.5	22.47	23.30	1.211	0.07	0.014	0.016
	LTE Band 12_UAT	10M	QPSK	50RB	0Offset	Back	10mm	Full Power	23095	707.5	22.46	23.30	1.213	0.06	0.654	0.794
	LTE Band 12_UAT	10M	QPSK	50RB	0Offset	Left Side	10mm	Full Power	23095	707.5	22.46	23.30	1.213	0.01	0.732	0.888
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Front	10mm	3 with 5GHz	23095	707.5	19.63	20.00	1.089	-0.05	0.186	0.203
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Back	10mm	3 with 5GHz	23095	707.5	19.63	20.00	1.089	0.02	0.278	0.303
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Left Side	10mm	3 with 5GHz	23095	707.5	19.63	20.00	1.089	0.07	0.409	0.445
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Right Side	10mm	3 with 5GHz	23095	707.5	19.63	20.00	1.089	0.03	0.037	0.040
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Top Side	10mm	3 with 5GHz	23095	707.5	19.63	20.00	1.089	0.04	0.008	0.008
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Front	10mm	3 with 5GHz	23095	707.5	19.38	20.00	1.153	0.01	0.192	0.221
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Back	10mm	3 with 5GHz	23095	707.5	19.38	20.00	1.153	0.05	0.282	0.325
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Left Side	10mm	3 with 5GHz	23095	707.5	19.38	20.00	1.153	0.06	0.426	0.491
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Right Side	10mm	3 with 5GHz	23095	707.5	19.38	20.00	1.153	0.09	0.040	0.046
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Top Side	10mm	3 with 5GHz	23095	707.5	19.38	20.00	1.153	0.07	0.008	0.010
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Front	10mm	Full Power	23095	707.5	23.01	23.80	1.199	-0.05	0.165	0.198
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Back	10mm	Full Power	23095	707.5	23.01	23.80	1.199	0.03	0.199	0.239
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	23095	707.5	23.01	23.80	1.199	0.04	0.124	0.149
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Right Side	10mm	Full Power	23095	707.5	23.01	23.80	1.199	0.02	0.212	0.254
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	23095	707.5	23.01	23.80	1.199	0.08	0.086	0.104
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Front	10mm	Full Power	23095	707.5	22.13	22.80	1.167	-0.11	0.133	0.155
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Back	10mm	Full Power	23095	707.5	22.13	22.80	1.167	0.05	0.167	0.195
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Left Side	10mm	Full Power	23095	707.5	22.13	22.80	1.167	0.01	0.099	0.115
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Right Side	10mm	Full Power	23095	707.5	22.13	22.80	1.167	0.12	0.177	0.207
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Bottom Side	10mm	Full Power	23095	707.5	22.13	22.80	1.167	0.01	0.069	0.081



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Front	10mm	3 with 2.4GHz	23230	782	21.72	22.30	1.143	-0.09	0.323	0.369
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Back	10mm	3 with 2.4GHz	23230	782	21.72	22.30	1.143	0.01	0.674	0.770
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Left Side	10mm	3 with 2.4GHz	23230	782	21.72	22.30	1.143	0.1	0.652	0.745
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Right Side	10mm	3 with 2.4GHz	23230	782	21.72	22.30	1.143	0.06	0.023	0.026
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Top Side	10mm	3 with 2.4GHz	23230	782	21.72	22.30	1.143	0.01	0.006	0.007
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Front	10mm	3 with 2.4GHz	23230	782	21.71	22.30	1.146	-0.06	0.337	0.386
36	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Back	10mm	3 with 2.4GHz	23230	782	21.71	22.30	1.146	-0.07	0.720	0.825
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Left Side	10mm	3 with 2.4GHz	23230	782	21.71	22.30	1.146	-0.03	0.676	0.774
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Right Side	10mm	3 with 2.4GHz	23230	782	21.71	22.30	1.146	0.02	0.025	0.029
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Top Side	10mm	3 with 2.4GHz	23230	782	21.71	22.30	1.146	0.05	0.008	0.009
	LTE Band 13_UAT	10M	QPSK	50B	0Offset	Back	10mm	3 with 2.4GHz	23230	782	21.70	22.30	1.148	0.03	0.697	0.800
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Front	10mm	3 with 5GHz	23230	782	19.30	19.80	1.122	0.03	0.181	0.203
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Back	10mm	3 with 5GHz	23230	782	19.30	19.80	1.122	0.08	0.337	0.378
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Left Side	10mm	3 with 5GHz	23230	782	19.30	19.80	1.122	0.04	0.392	0.440
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Right Side	10mm	3 with 5GHz	23230	782	19.30	19.80	1.122	0.03	0.015	0.017
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Top Side	10mm	3 with 5GHz	23230	782	19.30	19.80	1.122	0.01	0.001	0.001
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Front	10mm	3 with 5GHz	23230	782	19.21	19.80	1.146	-0.09	0.186	0.213
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Back	10mm	3 with 5GHz	23230	782	19.21	19.80	1.146	0.03	0.389	0.446
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Left Side	10mm	3 with 5GHz	23230	782	19.21	19.80	1.146	0.01	0.416	0.477
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Right Side	10mm	3 with 5GHz	23230	782	19.21	19.80	1.146	0.08	0.016	0.018
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Top Side	10mm	3 with 5GHz	23230	782	19.21	19.80	1.146	0.01	0.002	0.002
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Front	10mm	Full Power	23230	782	22.06	23.30	1.330	-0.05	0.140	0.186
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Back	10mm	Full Power	23230	782	22.06	23.30	1.330	0.08	0.215	0.286
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Left Side	10mm	Full Power	23230	782	22.06	23.30	1.330	0.08	0.171	0.228
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Right Side	10mm	Full Power	23230	782	22.06	23.30	1.330	0.01	0.104	0.138
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Bottom Side	10mm	Full Power	23230	782	22.06	23.30	1.330	0.06	0.123	0.164
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Front	10mm	Full Power	23230	782	21.24	22.30	1.276	-0.15	0.116	0.148
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Back	10mm	Full Power	23230	782	21.24	22.30	1.276	0.01	0.178	0.227
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Left Side	10mm	Full Power	23230	782	21.24	22.30	1.276	0.05	0.140	0.179
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Right Side	10mm	Full Power	23230	782	21.24	22.30	1.276	-0.05	0.086	0.110
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Bottom Side	10mm	Full Power	23230	782	21.24	22.30	1.276	0.03	0.103	0.131



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Front	10mm	3 with 2.4GHz	20525	836.5	22.26	22.80	1.132	-0.09	0.395	0.447
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Back	10mm	3 with 2.4GHz	20525	836.5	22.26	22.80	1.132	0.02	0.855	0.968
37	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Side	10mm	3 with 2.4GHz	20525	836.5	22.26	22.80	1.132	-0.03	0.883	1.000
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Right Side	10mm	3 with 2.4GHz	20525	836.5	22.26	22.80	1.132	0.01	0.013	0.015
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Top Side	10mm	3 with 2.4GHz	20525	836.5	22.26	22.80	1.132	0.06	0.004	0.005
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Front	10mm	3 with 2.4GHz	20525	836.5	21.79	22.80	1.262	-0.09	0.358	0.452
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Back	10mm	3 with 2.4GHz	20525	836.5	21.79	22.80	1.262	0.03	0.707	0.892
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Left Side	10mm	3 with 2.4GHz	20525	836.5	21.79	22.80	1.262	-0.05	0.774	0.977
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Right Side	10mm	3 with 2.4GHz	20525	836.5	21.79	22.80	1.262	0.08	0.015	0.019
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Top Side	10mm	3 with 2.4GHz	20525	836.5	21.79	22.80	1.262	0.04	0.005	0.006
	LTE Band 5_UAT	10M	QPSK	50RB	0Offset	Back	10mm	3 with 2.4GHz	20525	836.5	21.75	22.80	1.274	-0.08	0.705	0.898
	LTE Band 5_UAT	10M	QPSK	50RB	0Offset	Left Side	10mm	3 with 2.4GHz	20525	836.5	21.75	22.80	1.274	0.03	0.659	0.839
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Front	10mm	3 with 5GHz	20525	836.5	18.05	18.50	1.109	-0.08	0.141	0.156
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Back	10mm	3 with 5GHz	20525	836.5	18.05	18.50	1.109	0.02	0.276	0.306
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Side	10mm	3 with 5GHz	20525	836.5	18.05	18.50	1.109	0.04	0.221	0.245
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Right Side	10mm	3 with 5GHz	20525	836.5	18.05	18.50	1.109	0.01	0.006	0.007
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Top Side	10mm	3 with 5GHz	20525	836.5	18.05	18.50	1.109	0.03	0.001	0.001
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Front	10mm	3 with 5GHz	20525	836.5	17.85	18.50	1.161	0.06	0.142	0.165
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Back	10mm	3 with 5GHz	20525	836.5	17.85	18.50	1.161	-0.05	0.274	0.318
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Left Side	10mm	3 with 5GHz	20525	836.5	17.85	18.50	1.161	0.03	0.222	0.258
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Right Side	10mm	3 with 5GHz	20525	836.5	17.85	18.50	1.161	0.02	0.007	0.008
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Top Side	10mm	3 with 5GHz	20525	836.5	17.85	18.50	1.161	0.06	0.001	0.001
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Front	10mm	Full Power	20525	836.5	22.45	23.20	1.189	-0.05	0.142	0.169
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Back	10mm	Full Power	20525	836.5	22.45	23.20	1.189	0.02	0.169	0.201
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	20525	836.5	22.45	23.20	1.189	0.04	0.079	0.094
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	20525	836.5	22.45	23.20	1.189	0.06	0.069	0.082
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Bottom Side	10mm	Full Power	20525	836.5	22.45	23.20	1.189	0.02	0.154	0.183
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Front	10mm	Full Power	20525	836.5	21.46	22.20	1.186	0.05	0.108	0.128
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Back	10mm	Full Power	20525	836.5	21.46	22.20	1.186	0.08	0.134	0.159
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Left Side	10mm	Full Power	20525	836.5	21.46	22.20	1.186	0.01	0.061	0.072
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Right Side	10mm	Full Power	20525	836.5	21.46	22.20	1.186	-0.05	0.061	0.072
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Bottom Side	10mm	Full Power	20525	836.5	21.46	22.20	1.186	0.03	0.130	0.154



FCC SAR TEST REPORT

Report No. : FA8D2526-01

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Front	10mm	Full Power	26865	831.5	22.85	23.80	1.245	-0.02	0.346	0.431
38	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	10mm	Full Power	26865	831.5	22.85	23.80	1.245	-0.09	0.703	0.875
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	26865	831.5	22.85	23.80	1.245	0.05	0.637	0.793
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	26865	831.5	22.85	23.80	1.245	0.05	0.019	0.024
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	26865	831.5	22.85	23.80	1.245	0.01	0.009	0.011
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	10mm	Full Power	26765	821.5	22.70	23.80	1.288	-0.09	0.674	0.868
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	10mm	Full Power	26965	841.5	22.70	23.80	1.288	0.03	0.649	0.836
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Front	10mm	Full Power	26865	831.5	21.92	22.80	1.225	-0.02	0.291	0.356
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Back	10mm	Full Power	26865	831.5	21.92	22.80	1.225	0.01	0.567	0.694
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Left Side	10mm	Full Power	26865	831.5	21.92	22.80	1.225	0.06	0.585	0.716
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Right Side	10mm	Full Power	26865	831.5	21.92	22.80	1.225	-0.05	0.016	0.020
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Top Side	10mm	Full Power	26865	831.5	21.92	22.80	1.225	0.03	0.008	0.010
	LTE Band 26_UAT	15M	QPSK	75RB	0Offset	Back	10mm	Full Power	26865	831.5	21.86	22.80	1.242	-0.03	0.538	0.668
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Front	10mm	3 with 5GHz	26865	831.5	19.55	20.00	1.109	0.05	0.191	0.212
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	10mm	3 with 5GHz	26865	831.5	19.55	20.00	1.109	-0.05	0.378	0.419
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Side	10mm	3 with 5GHz	26865	831.5	19.55	20.00	1.109	0.03	0.295	0.327
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Side	10mm	3 with 5GHz	26865	831.5	19.55	20.00	1.109	0.05	0.008	0.009
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Top Side	10mm	3 with 5GHz	26865	831.5	19.55	20.00	1.109	0.01	0.004	0.004
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Front	10mm	3 with 5GHz	26865	831.5	19.45	20.00	1.135	-0.12	0.202	0.229
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Back	10mm	3 with 5GHz	26865	831.5	19.45	20.00	1.135	0.02	0.402	0.456
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Left Side	10mm	3 with 5GHz	26865	831.5	19.45	20.00	1.135	-0.05	0.307	0.348
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Right Side	10mm	3 with 5GHz	26865	831.5	19.45	20.00	1.135	0.02	0.010	0.011
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Top Side	10mm	3 with 5GHz	26865	831.5	19.45	20.00	1.135	0.01	0.005	0.006
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Back	10mm	3 with 5GHz	26765	821.5	19.34	20.00	1.164	0.06	0.335	0.390
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Back	10mm	3 with 5GHz	26965	841.5	19.40	20.00	1.148	-0.05	0.356	0.409
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Front	10mm	Full Power	26865	831.5	22.45	23.20	1.189	0.05	0.112	0.133
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Back	10mm	Full Power	26865	831.5	22.45	23.20	1.189	0.02	0.153	0.182
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	26865	831.5	22.45	23.20	1.189	-0.09	0.110	0.131
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	26865	831.5	22.45	23.20	1.189	0.01	0.069	0.082
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Bottom Side	10mm	Full Power	26865	831.5	22.45	23.20	1.189	-0.03	0.133	0.158
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Back	10mm	Full Power	26765	821.5	22.31	23.20	1.227	0.05	0.142	0.174
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Back	10mm	Full Power	26965	841.5	22.44	23.20	1.191	-0.05	0.145	0.173
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Front	10mm	Full Power	26865	831.5	21.51	22.20	1.172	0.05	0.086	0.101
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Back	10mm	Full Power	26865	831.5	21.51	22.20	1.172	0.02	0.120	0.141
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Left Side	10mm	Full Power	26865	831.5	21.51	22.20	1.172	0.05	0.086	0.101
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Right Side	10mm	Full Power	26865	831.5	21.51	22.20	1.172	0.08	0.061	0.072
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Bottom Side	10mm	Full Power	26865	831.5	21.51	22.20	1.172	0.01	0.098	0.115



FCC SAR TEST REPORT

Report No. : FA8D2526-01

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Front	10mm	Full Power	132322	1745	22.39	23.10	1.178	0.01	0.569	0.670
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Back	10mm	Full Power	132322	1745	22.39	23.10	1.178	-0.02	0.694	0.817
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	132322	1745	22.39	23.10	1.178	0.06	0.364	0.429
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	132322	1745	22.39	23.10	1.178	0.08	0.005	0.006
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	132322	1745	22.39	23.10	1.178	-0.06	0.809	0.953
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	132072	1720	22.13	23.10	1.250	0.08	0.722	0.903
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	132572	1770	22.25	23.10	1.216	-0.02	0.819	0.996
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Back	10mm	Full Power	132072	1720	22.13	23.10	1.250	0.03	0.625	0.781
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Back	10mm	Full Power	132572	1770	22.25	23.10	1.216	0.06	0.671	0.816
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Front	10mm	Full Power	132322	1745	21.46	22.10	1.159	0.03	0.482	0.559
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Back	10mm	Full Power	132322	1745	21.46	22.10	1.159	0.02	0.560	0.649
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Left Side	10mm	Full Power	132322	1745	21.46	22.10	1.159	0.05	0.306	0.355
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Right Side	10mm	Full Power	132322	1745	21.46	22.10	1.159	-0.01	0.003	0.003
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	Full Power	132322	1745	21.46	22.10	1.159	0.05	0.706	0.818
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	Full Power	132072	1720	21.29	22.10	1.205	0.08	0.651	0.784
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	Full Power	132572	1770	21.29	22.10	1.205	0.09	0.734	0.884
	LTE Band 66_UAT	20M	QPSK	100RB	0Offset	Back	10mm	Full Power	132322	1745	21.39	22.10	1.178	0.03	0.534	0.629
	LTE Band 66_UAT	20M	QPSK	100RB	0Offset	Top Side	10mm	Full Power	132322	1745	21.39	22.10	1.178	0.04	0.704	0.829
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Front	10mm	3 with 5GHz	132322	1745	19.00	19.50	1.122	0.02	0.238	0.267
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Back	10mm	3 with 5GHz	132322	1745	19.00	19.50	1.122	0.06	0.272	0.305
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Left Side	10mm	3 with 5GHz	132322	1745	19.00	19.50	1.122	-0.04	0.179	0.201
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Right Side	10mm	3 with 5GHz	132322	1745	19.00	19.50	1.122	0.01	0.001	0.001
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	3 with 5GHz	132322	1745	19.00	19.50	1.122	0.02	0.355	0.398
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Front	10mm	3 with 5GHz	132322	1745	18.95	19.50	1.135	0.03	0.251	0.285
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Back	10mm	3 with 5GHz	132322	1745	18.95	19.50	1.135	0.05	0.284	0.322
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Left Side	10mm	3 with 5GHz	132322	1745	18.95	19.50	1.135	0.09	0.188	0.213
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Right Side	10mm	3 with 5GHz	132322	1745	18.95	19.50	1.135	0.07	0.001	0.001
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	3 with 5GHz	132322	1745	18.95	19.50	1.135	0.08	0.359	0.407
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	3 with 5GHz	132072	1720	18.80	19.50	1.175	0.06	0.349	0.410
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	3 with 5GHz	132572	1770	18.77	19.50	1.183	0.04	0.409	0.484
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Front	10mm	1	132322	1745	21.78	22.00	1.052	0.07	0.301	0.317
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Back	10mm	1	132322	1745	21.78	22.00	1.052	0.03	0.495	0.521
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Left Side	10mm	1	132322	1745	21.78	22.00	1.052	-0.02	0.131	0.138
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Right Side	10mm	1	132322	1745	21.78	22.00	1.052	0.02	0.166	0.175
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10mm	1	132322	1745	21.78	22.00	1.052	0.08	0.889	0.935
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10mm	1	132072	1720	21.65	22.00	1.084	0.04	0.808	0.876
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10mm	1	132572	1770	21.58	22.00	1.102	0.01	0.940	1.035
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Front	10mm	1	132322	1745	21.77	22.00	1.054	0.1	0.410	0.432
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Back	10mm	1	132322	1745	21.77	22.00	1.054	0.05	0.514	0.542
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Left Side	10mm	1	132322	1745	21.77	22.00	1.054	0.03	0.135	0.142
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Right Side	10mm	1	132322	1745	21.77	22.00	1.054	0.06	0.174	0.183
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10mm	1	132322	1745	21.77	22.00	1.054	0.05	0.912	0.962
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10mm	1	132072	1720	21.63	22.00	1.089	0.05	0.784	0.854
39	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10mm	1	132572	1770	21.55	22.00	1.109	0.09	1.070	1.187
	LTE Band 66_LAT	20M	QPSK	100RB	0Offset	Bottom Side	10mm	1	132322	1745	21.69	22.00	1.074	-0.02	0.961	1.032



FCC SAR TEST REPORT

Report No. : FA8D2526-01

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Front	10mm	Full Power	26340	1880	21.86	22.70	1.213	0.03	0.491	0.596
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Back	10mm	Full Power	26340	1880	21.86	22.70	1.213	0.01	0.613	0.744
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	26340	1880	21.86	22.70	1.213	0.07	0.388	0.471
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	26340	1880	21.86	22.70	1.213	0.05	0.062	0.075
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	26340	1880	21.86	22.70	1.213	0.09	0.630	0.764
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	26140	1860	21.78	22.70	1.236	0.02	0.707	0.874
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	26590	1905	21.73	22.70	1.250	-0.09	0.570	0.713
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Front	10mm	Full Power	26340	1880	20.90	21.70	1.202	0.03	0.399	0.480
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Back	10mm	Full Power	26340	1880	20.90	21.70	1.202	0.05	0.460	0.553
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Left Side	10mm	Full Power	26340	1880	20.90	21.70	1.202	0.01	0.315	0.379
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Right Side	10mm	Full Power	26340	1880	20.90	21.70	1.202	0.04	0.051	0.061
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Top Side	10mm	Full Power	26340	1880	20.90	21.70	1.202	0.02	0.513	0.617
	LTE Band 25_UAT	20M	QPSK	100RB	0Offset	Top Side	10mm	Full Power	26340	1880	20.87	21.70	1.211	0.05	0.502	0.608
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Front	10mm	3 with 5GHz	26340	1880	19.88	20.20	1.076	0.04	0.296	0.319
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Back	10mm	3 with 5GHz	26340	1880	19.88	20.20	1.076	0.08	0.417	0.449
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Left Side	10mm	3 with 5GHz	26340	1880	19.88	20.20	1.076	0.06	0.204	0.220
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Right Side	10mm	3 with 5GHz	26340	1880	19.88	20.20	1.076	0.09	0.043	0.046
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	3 with 5GHz	26340	1880	19.88	20.20	1.076	0.01	0.336	0.362
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Front	10mm	3 with 5GHz	26340	1880	19.87	20.20	1.079	0.04	0.302	0.326
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Back	10mm	3 with 5GHz	26340	1880	19.87	20.20	1.079	0.07	0.443	0.478
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Left Side	10mm	3 with 5GHz	26340	1880	19.87	20.20	1.079	0.01	0.208	0.224
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Right Side	10mm	3 with 5GHz	26340	1880	19.87	20.20	1.079	0.03	0.045	0.049
	LTE Band 25_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	3 with 5GHz	26340	1880	19.87	20.20	1.079	0.09	0.343	0.370
	LTE Band 25_UAT	20M	QPSK	50RB	0Offset	Back	10mm	3 with 5GHz	26140	1860	19.79	20.20	1.099	0.01	0.512	0.563
	LTE Band 25_UAT	20M	QPSK	50RB	0Offset	Back	10mm	3 with 5GHz	26590	1905	19.81	20.20	1.094	0.05	0.486	0.532
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Front	10mm	1	26340	1880	21.68	22.00	1.076	0.08	0.412	0.444
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Back	10mm	1	26340	1880	21.68	22.00	1.076	0.04	0.635	0.684
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Left Side	10mm	1	26340	1880	21.68	22.00	1.076	-0.02	0.132	0.142
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Right Side	10mm	1	26340	1880	21.68	22.00	1.076	0.05	0.110	0.118
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10mm	1	26340	1880	21.68	22.00	1.076	0.01	0.895	0.963
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10mm	1	26140	1860	21.56	22.00	1.107	0.02	0.838	0.927
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10mm	1	26590	1905	21.52	22.00	1.117	0.08	0.813	0.908
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Front	10mm	1	26340	1880	21.65	22.00	1.084	-0.04	0.428	0.464
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Back	10mm	1	26340	1880	21.65	22.00	1.084	0.02	0.650	0.705
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Left Side	10mm	1	26340	1880	21.65	22.00	1.084	0.01	0.138	0.150
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Right Side	10mm	1	26340	1880	21.65	22.00	1.084	0.02	0.118	0.128
40	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Bottom Side	10mm	1	26340	1880	21.65	22.00	1.084	-0.03	0.971	1.052
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Bottom Side	10mm	1	26140	1860	21.56	22.00	1.107	-0.03	0.914	1.011
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Bottom Side	10mm	1	26590	1905	21.52	22.00	1.117	-0.04	0.882	0.985
	LTE Band 25_LAT	20M	QPSK	10RB	0Offset	Bottom Side	10mm	1	26340	1880	21.61	22.00	1.094	0.05	0.902	0.987



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Front	10mm	Full Power	27710	2310	20.63	22.40	1.503	0.05	0.363	0.546
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Back	10mm	Full Power	27710	2310	20.63	22.40	1.503	0.03	0.391	0.588
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	27710	2310	20.63	22.40	1.503	0.06	0.473	0.711
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	27710	2310	20.63	22.40	1.503	0.01	0.053	0.080
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	27710	2310	20.63	22.40	1.503	0.05	0.226	0.340
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Front	10mm	Full Power	27710	2310	19.71	21.40	1.476	0.06	0.262	0.387
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Back	10mm	Full Power	27710	2310	19.71	21.40	1.476	0.01	0.302	0.446
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Left Side	10mm	Full Power	27710	2310	19.71	21.40	1.476	-0.05	0.379	0.559
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Right Side	10mm	Full Power	27710	2310	19.71	21.40	1.476	0.03	0.044	0.065
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Top Side	10mm	Full Power	27710	2310	19.71	21.40	1.476	0.07	0.186	0.274
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Front	10mm	Full Power	27710	2310	22.56	23.80	1.330	-0.03	0.642	0.854
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Back	10mm	Full Power	27710	2310	22.56	23.80	1.330	0.12	0.741	0.986
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	27710	2310	22.56	23.80	1.330	0.06	0.188	0.250
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	27710	2310	22.56	23.80	1.330	-0.03	0.108	0.144
41	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Bottom Side	10mm	Full Power	27710	2310	22.56	23.80	1.330	0.03	0.897	1.193
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Front	10mm	Full Power	27710	2310	21.51	22.80	1.346	0.07	0.521	0.701
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Back	10mm	Full Power	27710	2310	21.51	22.80	1.346	0.02	0.603	0.812
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Left Side	10mm	Full Power	27710	2310	21.51	22.80	1.346	0.05	0.154	0.207
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Right Side	10mm	Full Power	27710	2310	21.51	22.80	1.346	0.03	0.089	0.120
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Bottom Side	10mm	Full Power	27710	2310	21.51	22.80	1.346	0.06	0.728	0.980
	LTE Band 30_LAT	10M	QPSK	50RB	0Offset	Front	10mm	Full Power	27710	2310	21.48	22.80	1.355	0.01	0.516	0.699
	LTE Band 30_LAT	10M	QPSK	50RB	0Offset	Back	10mm	Full Power	27710	2310	21.48	22.80	1.355	0.08	0.603	0.817
	LTE Band 30_LAT	10M	QPSK	50RB	0Offset	Bottom Side	10mm	Full Power	27710	2310	21.48	22.80	1.355	0.04	0.724	0.981



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Front	10mm	Full Power	21350	2560	21.15	22.20	1.274	0.02	0.370	0.471
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Back	10mm	Full Power	21350	2560	21.15	22.20	1.274	0.01	0.492	0.627
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Left Side	10mm	Full Power	21350	2560	21.15	22.20	1.274	0.02	0.621	0.791
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Side	10mm	Full Power	21350	2560	21.15	22.20	1.274	-0.05	0.063	0.080
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Top Side	10mm	Full Power	21350	2560	21.15	22.20	1.274	0.03	0.384	0.489
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Left Side	10mm	Full Power	20850	2510	21.06	22.20	1.300	0.03	0.665	0.865
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Left Side	10mm	Full Power	21100	2535	21.14	22.20	1.276	0.05	0.682	0.871
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Left Side	10mm	Full Power	21100(PCC)+20902(SCC)	2535(PCC) + 2515.2(SCC)	20.85	22.20	1.365	-0.08	0.535	0.730
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Front	10mm	Full Power	21350	2560	20.27	21.20	1.239	0.08	0.303	0.375
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Back	10mm	Full Power	21350	2560	20.27	21.20	1.239	0.05	0.409	0.507
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Left Side	10mm	Full Power	21350	2560	20.27	21.20	1.239	0.02	0.536	0.664
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Side	10mm	Full Power	21350	2560	20.27	21.20	1.239	-0.02	0.054	0.067
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	Full Power	21350	2560	20.27	21.20	1.239	0.05	0.327	0.405
	LTE Band 7_UAT	20M	QPSK	100RB	0Offset	Left Side	10mm	Full Power	21350	2560	20.22	21.20	1.253	0.03	0.544	0.682
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Front	10mm	3 with 5GHz	21350	2560	19.84	20.20	1.086	-0.03	0.241	0.262
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Back	10mm	3 with 5GHz	21350	2560	19.84	20.20	1.086	0.07	0.305	0.331
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Left Side	10mm	3 with 5GHz	21350	2560	19.84	20.20	1.086	0.01	0.461	0.501
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Right Side	10mm	3 with 5GHz	21350	2560	19.84	20.20	1.086	0.01	0.044	0.048
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Top Side	10mm	3 with 5GHz	21350	2560	19.84	20.20	1.086	0.06	0.275	0.299
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Front	10mm	3 with 5GHz	21350	2560	19.76	20.20	1.107	0.05	0.265	0.293
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Back	10mm	3 with 5GHz	21350	2560	19.76	20.20	1.107	-0.04	0.310	0.343
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Left Side	10mm	3 with 5GHz	21350	2560	19.76	20.20	1.107	-0.02	0.534	0.591
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Right Side	10mm	3 with 5GHz	21350	2560	19.76	20.20	1.107	0.02	0.047	0.052
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	3 with 5GHz	21350	2560	19.76	20.20	1.107	0.06	0.293	0.324
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Left Side	10mm	3 with 5GHz	20850	2510	19.61	20.20	1.146	-0.02	0.517	0.592
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Left Side	10mm	3 with 5GHz	21100	2535	19.75	20.20	1.109	-0.04	0.551	0.611
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Left Side	10mm	3 with 5GHz	21100(PCC)+20902(SCC)	2535(PCC) + 2515.2(SCC)	19.69	20.20	1.125	0.05	0.391	0.440
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Front	10mm	1	21350	2560	21.93	22.00	1.016	0.05	0.332	0.337
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Back	10mm	1	21350	2560	21.93	22.00	1.016	-0.03	0.496	0.504
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Left Side	10mm	1	21350	2560	21.93	22.00	1.016	0.05	0.184	0.187
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Right Side	10mm	1	21350	2560	21.93	22.00	1.016	0.02	0.104	0.106
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	10mm	1	21350	2560	21.93	22.00	1.016	-0.02	0.741	0.753
42	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	10mm	1	20850	2510	21.58	22.00	1.102	-0.04	0.871	0.959
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	10mm	1	21100	2535	21.85	22.00	1.035	0.05	0.837	0.866
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	10mm	1	21100(PCC)+20902(SCC)	2535(PCC) + 2515.2(SCC)	21.75	22.00	1.059	0.05	0.821	0.870
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	10mm	1	20850(PCC)+21048(SCC)	2510(PCC) + 2529.8(SCC)	21.51	22.00	1.119	-0.03	0.834	0.934
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	10mm	1	21350(PCC)+21152(SCC)	2560(PCC) + 2540.2(SCC)	21.86	22.00	1.033	0.01	0.788	0.814
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Front	10mm	1	21350	2560	21.92	22.00	1.019	0.03	0.314	0.320
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Back	10mm	1	21350	2560	21.92	22.00	1.019	0.04	0.464	0.473
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Left Side	10mm	1	21350	2560	21.92	22.00	1.019	0.08	0.155	0.158
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Right Side	10mm	1	21350	2560	21.92	22.00	1.019	-0.02	0.088	0.090
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10mm	1	21350	2560	21.92	22.00	1.019	-0.04	0.823	0.838
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10mm	1	20850	2510	21.77	22.00	1.054	-0.05	0.875	0.923
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10mm	1	21100	2535	21.91	22.00	1.021	-0.07	0.890	0.909
	LTE Band 7_LAT	20M	QPSK	100RB	0Offset	Bottom Side	10mm	1	21350	2560	21.90	22.00	1.023	-0.04	0.820	0.839

**<TDD LTE SAR>**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Front	10mm	Full Power	41490	2680	20.72	21.90	1.312	62.9	1.006	0.03	0.159	0.210
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Back	10mm	Full Power	41490	2680	20.72	21.90	1.312	62.9	1.006	-0.08	0.203	0.268
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	41490	2680	20.72	21.90	1.312	62.9	1.006	0.07	0.303	0.400
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Right Side	10mm	Full Power	41490	2680	20.72	21.90	1.312	62.9	1.006	0.05	0.009	0.012
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Top Side	10mm	Full Power	41490	2680	20.72	21.90	1.312	62.9	1.006	0.01	0.182	0.240
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	39750	2506	20.63	21.90	1.340	62.9	1.006	0.01	0.379	0.511
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	40185	2549.5	20.67	21.90	1.327	62.9	1.006	0.07	0.390	0.521
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	40620	2593	20.62	21.90	1.343	62.9	1.006	0.02	0.382	0.516
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	41055	2636.5	20.60	21.90	1.349	62.9	1.006	0.06	0.322	0.437
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	40185(PCC) + 40383(SCC)	2549.5(PCC) + 2569.3(SCC)	20.52	21.90	1.374	62.9	1.006	-0.05	0.318	0.440
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	41490	2680	23.20	24.40	1.318	42.9	1.009	0.01	0.339	0.451
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	39750	2506	23.09	24.40	1.352	42.9	1.009	-0.02	0.437	0.596
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	40185	2549.5	22.91	24.40	1.409	42.9	1.009	0.02	0.444	0.631
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	40620	2593	23.00	24.40	1.380	42.9	1.009	0.04	0.450	0.627
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	41055	2636.5	22.92	24.40	1.406	42.9	1.009	-0.05	0.394	0.559
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Front	10mm	Full Power	41490	2680	19.95	20.90	1.245	62.9	1.006	0.03	0.130	0.163
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Back	10mm	Full Power	41490	2680	19.95	20.90	1.245	62.9	1.006	0.01	0.177	0.222
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Left Side	10mm	Full Power	41490	2680	19.95	20.90	1.245	62.9	1.006	0.01	0.213	0.267
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Right Side	10mm	Full Power	41490	2680	19.95	20.90	1.245	62.9	1.006	0.01	0.005	0.006
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Top Side	10mm	Full Power	41490	2680	19.95	20.90	1.245	62.9	1.006	0.08	0.146	0.183



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Front	10mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	0.06	0.199	0.225
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	10mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	-0.01	0.437	0.494
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Side	10mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	0.02	0.062	0.070
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Right Side	10mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	-0.02	0.041	0.046
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	0.03	0.441	0.499
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	39750	2506	22.87	23.80	1.239	62.9	1.006	0.08	0.691	0.861
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	40185	2549.5	22.89	23.80	1.233	62.9	1.006	0.15	0.635	0.788
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	40620	2593	22.93	23.80	1.222	62.9	1.006	0.05	0.551	0.677
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	41055	2636.5	22.95	23.80	1.216	62.9	1.006	0.03	0.464	0.568
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	39790(PCC) + 39988(SCC)	2510(PCC) + 2529.8(SCC)	22.47	23.80	1.358	62.9	1.006	-0.05	0.625	0.854
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	39750(PCC) + 39948(SCC)	2506(PCC) + 2525.8(SCC)	22.53	23.80	1.340	62.9	1.006	0.14	0.613	0.826
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	40185(PCC) + 40383(SCC)	2549.5(PCC) + 2569.3(SCC)	22.62	23.80	1.312	62.9	1.006	0.05	0.584	0.771
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	40620(PCC) + 40422(SCC)	2593(PCC) + 2573.2(SCC)	22.81	23.80	1.256	62.9	1.006	-0.08	0.489	0.618
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	41055(PCC) + 40857(SCC)	2636.5(PCC) + 2616.7(SCC)	22.56	23.80	1.330	62.9	1.006	0.04	0.401	0.537
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	41490(PCC)+ 41292(SCC)	2680(PCC) + 2660.2(SCC)	23.06	23.80	1.186	62.9	1.006	0.03	0.396	0.472
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	41490	2680	25.61	26.30	1.172	42.9	1.009	0.01	0.537	0.635
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	39750	2506	25.36	26.30	1.242	42.9	1.009	0.05	0.735	0.921
43	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	40185	2549.5	25.32	26.30	1.253	42.9	1.009	0.02	0.768	0.971
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	40620	2593	25.41	26.30	1.227	42.9	1.009	0.04	0.700	0.867
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10mm	Full Power	41055	2636.5	25.35	26.30	1.245	42.9	1.009	0.01	0.594	0.746
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Front	10mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	0.03	0.167	0.189
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Back	10mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	0.07	0.327	0.369
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Left Side	10mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	0.01	0.053	0.060
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Right Side	10mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	0.05	0.041	0.046
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Bottom Side	10mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	0.02	0.369	0.417
	LTE Band 41_LAT	20M	QPSK	100RB	0Offset	Bottom Side	10mm	Full Power	41490	2680	22.21	22.80	1.146	62.9	1.006	0.09	0.361	0.416



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
44	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	10mm	Full Power	55830	3609	23.50	24.30	1.202	62.9	1.006	0.01	0.740	0.895
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Back	10mm	Full Power	55830	3609	23.50	24.30	1.202	62.9	1.006	0.05	0.608	0.735
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Left Side	10mm	Full Power	55830	3609	23.50	24.30	1.202	62.9	1.006	-0.06	0.424	0.513
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Right Side	10mm	Full Power	55830	3609	23.50	24.30	1.202	62.9	1.006	0.01	0.088	0.106
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	Full Power	55830	3609	23.50	24.30	1.202	62.9	1.006	0.05	0.435	0.526
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	10mm	Full Power	55340	3560	23.47	24.30	1.211	62.9	1.006	0.01	0.702	0.855
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	10mm	Full Power	56150	3641	23.45	24.30	1.216	62.9	1.006	0.08	0.716	0.876
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	10mm	Full Power	56640	3690	23.39	24.30	1.233	62.9	1.006	0.04	0.714	0.886
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Front	10mm	Full Power	55830	3609	23.01	23.30	1.069	62.9	1.006	0.01	0.646	0.695
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Back	10mm	Full Power	55830	3609	23.01	23.30	1.069	62.9	1.006	0.07	0.507	0.545
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Left Side	10mm	Full Power	55830	3609	23.01	23.30	1.069	62.9	1.006	0.06	0.350	0.376
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Right Side	10mm	Full Power	55830	3609	23.01	23.30	1.069	62.9	1.006	-0.03	0.070	0.075
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	Full Power	55830	3609	23.01	23.30	1.069	62.9	1.006	0.03	0.353	0.380
	LTE Band 48_UAT	20M	QPSK	100RB	0Offset	Front	10mm	Full Power	55830	3609	22.86	23.30	1.107	62.9	1.006	0.02	0.603	0.671
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	10mm	3 with 5GHz	55830	3609	19.78	20.30	1.127	62.9	1.006	-0.05	0.316	0.358
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Back	10mm	3 with 5GHz	55830	3609	19.78	20.30	1.127	62.9	1.006	0.02	0.258	0.293
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Left Side	10mm	3 with 5GHz	55830	3609	19.78	20.30	1.127	62.9	1.006	0.06	0.253	0.287
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Right Side	10mm	3 with 5GHz	55830	3609	19.78	20.30	1.127	62.9	1.006	0.08	0.087	0.099
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Top Side	10mm	3 with 5GHz	55830	3609	19.78	20.30	1.127	62.9	1.006	-0.07	0.194	0.220
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	10mm	3 with 5GHz	55340	3560	19.49	20.30	1.205	62.9	1.006	0.08	0.297	0.360
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	10mm	3 with 5GHz	56150	3641	19.63	20.30	1.167	62.9	1.006	0.03	0.320	0.376
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	10mm	3 with 5GHz	56640	3690	19.68	20.30	1.153	62.9	1.006	0.08	0.326	0.378
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Front	10mm	3 with 5GHz	55830	3609	19.76	20.30	1.132	62.9	1.006	0.09	0.305	0.347
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Back	10mm	3 with 5GHz	55830	3609	19.76	20.30	1.132	62.9	1.006	-0.05	0.251	0.286
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Left Side	10mm	3 with 5GHz	55830	3609	19.76	20.30	1.132	62.9	1.006	0.03	0.249	0.284
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Right Side	10mm	3 with 5GHz	55830	3609	19.76	20.30	1.132	62.9	1.006	0.05	0.085	0.097
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Top Side	10mm	3 with 5GHz	55830	3609	19.76	20.30	1.132	62.9	1.006	0.07	0.180	0.205

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 1+2	Full Power	1	2412	22.07	23.07	1.259	99.24	1.008	0.15	0.221	0.280
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 1+2	Full Power	1	2412	22.07	23.07	1.259	99.24	1.008	-0.04	0.300	0.381
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 1+2	Full Power	1	2412	22.07	23.07	1.259	99.24	1.008	0.06	0.010	0.013
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 1+2	Full Power	1	2412	22.07	23.07	1.259	99.24	1.008	0.08	0.152	0.193
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 1+2	Full Power	1	2412	22.07	23.07	1.259	99.24	1.008	-0.1	0.159	0.202
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 1+2	Full Power	6	2437	21.87	23.07	1.318	99.24	1.008	0.07	0.312	0.415
45	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 1+2	Full Power	11	2462	21.41	23.07	1.466	99.24	1.008	0.08	0.320	0.473
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 1+2	1	44	5220	17.86	18.00	1.033	97.86	1.022	-0.06	0.034	0.036
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 1+2	1	44	5220	17.86	18.00	1.033	97.86	1.022	0.05	0.673	0.710
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 1+2	1	44	5220	17.86	18.00	1.033	97.86	1.022	0.12	0.062	0.065
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 1+2	1	44	5220	17.86	18.00	1.033	97.86	1.022	-0.18	0.192	0.203
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 1+2	1	44	5220	17.86	18.00	1.033	97.86	1.022	0.02	0.038	0.040
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 1+2	1	36	5180	17.70	18.00	1.072	97.86	1.022	0.03	0.556	0.609
46	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 1+2	1	40	5200	17.63	18.00	1.089	97.86	1.022	0.03	0.972	1.082
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 1+2	1	40	5200	17.63	18.00	1.089	97.86	1.022	0.06	0.964	1.073
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 1+2	1	48	5240	17.86	18.00	1.033	97.86	1.022	0.08	0.737	0.778
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.260	97.86	1.022	0.05	0.053	0.069
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.260	97.86	1.022	0.06	0.684	0.881
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.260	97.86	1.022	0.09	0.002	0.003
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.260	97.86	1.022	0.02	0.514	0.662
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.260	97.86	1.022	0.04	0.239	0.308
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 1+2	Full Power	149	5745	20.31	21.39	1.282	97.86	1.022	0.01	0.608	0.797
47	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 1+2	Full Power	157	5785	20.27	21.39	1.293	97.86	1.022	0.09	0.673	0.889

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	0.05	0.025	0.036
48	Bluetooth	DH5 1Mbps	Back	10mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	-0.04	0.030	0.042
	Bluetooth	DH5 1Mbps	Left Side	10mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	0.02	0.004	0.006
	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	0.01	0.013	0.018
	Bluetooth	DH5 1Mbps	Top Side	10mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	0.08	0.016	0.022
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 1	0	2402	12.80	13.00	1.047	76.8	1.085	0.04	0.029	0.033
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 1	78	2480	12.20	13.00	1.202	76.8	1.085	-0.02	0.031	0.040

13.3 Body Worn Accessory SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_UAT	GPRS(4 Tx slots)	Front	15mm	Full Power	128	824.2	27.76	28.55	1.199	-0.12	0.327	0.392
	GSM850_UAT	GPRS(4 Tx slots)	Back	15mm	Full Power	128	824.2	27.76	28.55	1.199	-0.01	0.449	0.539
	GSM850_UAT	GPRS(4 Tx slots)	Back	15mm	Full Power	189	836.4	27.73	28.55	1.208	-0.01	0.463	0.559
49	GSM850_UAT	GPRS(4 Tx slots)	Back	15mm	Full Power	251	848.8	27.66	28.55	1.227	-0.05	0.457	0.561
	GSM850_LAT	GPRS(4 Tx slots)	Front	15mm	Full Power	189	836.4	27.02	27.85	1.211	0.1	0.150	0.182
	GSM850_LAT	GPRS(4 Tx slots)	Back	15mm	Full Power	189	836.4	27.02	27.85	1.211	-0.06	0.142	0.172
	GSM850_LAT	GPRS(4 Tx slots)	Front	15mm	Full Power	128	824.2	27.00	27.85	1.216	-0.02	0.157	0.191
	GSM850_LAT	GPRS(4 Tx slots)	Front	15mm	Full Power	251	848.8	26.92	27.85	1.239	-0.01	0.171	0.212
	GSM1900_UAT	GPRS(3 Tx slots)	Front	15mm	Full Power	512	1850.2	24.56	25.70	1.300	-0.09	0.137	0.178
	GSM1900_UAT	GPRS(3 Tx slots)	Back	15mm	Full Power	512	1850.2	24.56	25.70	1.300	-0.05	0.159	0.207
	GSM1900_UAT	GPRS(3 Tx slots)	Back	15mm	Full Power	661	1880	24.55	25.70	1.303	-0.06	0.156	0.203
	GSM1900_UAT	GPRS(3 Tx slots)	Back	15mm	Full Power	810	1909.8	24.47	25.70	1.327	0.05	0.124	0.165
	GSM1900_LAT	GPRS(3 Tx slots)	Front	15mm	Full Power	512	1850.2	25.88	26.80	1.236	-0.07	0.118	0.146
	GSM1900_LAT	GPRS(3 Tx slots)	Back	15mm	Full Power	512	1850.2	25.88	26.80	1.236	-0.04	0.133	0.164
50	GSM1900_LAT	GPRS(3 Tx slots)	Back	15mm	Full Power	661	1880	25.77	26.80	1.268	-0.09	0.224	0.284
	GSM1900_LAT	GPRS(3 Tx slots)	Back	15mm	Full Power	810	1909.8	25.69	26.80	1.291	-0.04	0.211	0.272

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V_UAT	RMC 12.2Kbps	Front	15mm	Full Power	4182	836.4	24.04	24.80	1.191	0.02	0.167	0.199
	WCDMA V_UAT	RMC 12.2Kbps	Back	15mm	Full Power	4182	836.4	24.04	24.80	1.191	-0.16	0.148	0.176
	WCDMA V_UAT	RMC 12.2Kbps	Front	15mm	Full Power	4132	826.4	23.99	24.80	1.205	-0.1	0.179	0.216
	WCDMA V_UAT	RMC 12.2Kbps	Front	15mm	Full Power	4233	846.6	24.01	24.80	1.199	-0.02	0.184	0.221
	WCDMA V_LAT	RMC 12.2Kbps	Front	15mm	Full Power	4182	836.4	23.60	24.20	1.148	-0.02	0.287	0.330
	WCDMA V_LAT	RMC 12.2Kbps	Back	15mm	Full Power	4182	836.4	23.60	24.20	1.148	0.08	0.420	0.482
51	WCDMA V_LAT	RMC 12.2Kbps	Back	15mm	Full Power	4132	826.4	23.52	24.20	1.169	-0.05	0.448	0.524
	WCDMA V_LAT	RMC 12.2Kbps	Back	15mm	Full Power	4233	846.6	23.59	24.20	1.151	0.01	0.448	0.516
	WCDMA IV_UAT	RMC 12.2Kbps	Front	15mm	Full Power	1413	1732.6	22.73	23.60	1.222	0.01	0.239	0.292
	WCDMA IV_UAT	RMC 12.2Kbps	Back	15mm	Full Power	1413	1732.6	22.73	23.60	1.222	-0.02	0.282	0.345
	WCDMA IV_UAT	RMC 12.2Kbps	Back	15mm	Full Power	1312	1712.4	22.52	23.60	1.282	0.05	0.258	0.331
	WCDMA IV_UAT	RMC 12.2Kbps	Back	15mm	Full Power	1513	1752.6	22.67	23.60	1.239	0.1	0.305	0.378
	WCDMA IV_LAT	RMC 12.2Kbps	Front	15mm	Full Power	1413	1732.6	24.05	24.80	1.189	-0.05	0.312	0.371
	WCDMA IV_LAT	RMC 12.2Kbps	Back	15mm	Full Power	1413	1732.6	24.05	24.80	1.189	-0.01	0.361	0.429
52	WCDMA IV_LAT	RMC 12.2Kbps	Back	15mm	Full Power	1312	1712.4	23.83	24.80	1.250	0.07	0.406	0.508
	WCDMA IV_LAT	RMC 12.2Kbps	Back	15mm	Full Power	1513	1752.6	24.03	24.80	1.194	-0.09	0.352	0.420
	WCDMA II_UAT	RMC 12.2Kbps	Front	15mm	Full Power	9400	1880	22.95	23.30	1.084	-0.02	0.273	0.296
	WCDMA II_UAT	RMC 12.2Kbps	Back	15mm	Full Power	9400	1880	22.95	23.30	1.084	0.03	0.310	0.336
	WCDMA II_UAT	RMC 12.2Kbps	Back	15mm	Full Power	9262	1852.4	22.63	23.30	1.167	-0.09	0.385	0.449
	WCDMA II_UAT	RMC 12.2Kbps	Back	15mm	Full Power	9538	1907.6	22.83	23.30	1.114	0.01	0.386	0.430
	WCDMA II_LAT	RMC 12.2Kbps	Front	15mm	Full Power	9400	1880	24.21	24.80	1.146	-0.02	0.449	0.514
	WCDMA II_LAT	RMC 12.2Kbps	Back	15mm	Full Power	9400	1880	24.21	24.80	1.146	-0.06	0.498	0.570
53	WCDMA II_LAT	RMC 12.2Kbps	Back	15mm	Full Power	9262	1852.4	24.05	24.80	1.189	-0.08	0.492	0.585
	WCDMA II_LAT	RMC 12.2Kbps	Back	15mm	Full Power	9538	1907.6	24.16	24.80	1.159	0.1	0.465	0.539



<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA2000 BC0_UAT	RC3 SO32 (F+SCH)	Front	15mm	Full Power	777	848.31	23.91	24.80	1.227	-0.05	0.300	0.368
	CDMA2000 BC0_UAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	777	848.31	23.91	24.80	1.227	0.01	0.518	0.636
	CDMA2000 BC0_UAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	1013	824.7	23.87	24.80	1.239	0.06	0.522	0.647
54	CDMA2000 BC0_UAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	384	836.52	23.90	24.80	1.230	-0.07	0.527	0.648
	CDMA2000 BC0_LAT	RC3 SO32 (F+SCH)	Front	15mm	Full Power	777	848.31	23.54	24.10	1.138	0.05	0.170	0.193
	CDMA2000 BC0_LAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	777	848.31	23.54	24.10	1.138	-0.04	0.171	0.195
	CDMA2000 BC0_LAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	1013	824.7	23.43	24.10	1.167	-0.01	0.187	0.218
	CDMA2000 BC0_LAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	384	836.52	23.49	24.10	1.151	-0.03	0.174	0.200
	CDMA2000 BC1_UAT	RC3 SO32 (F+SCH)	Front	15mm	Full Power	600	1880	22.69	23.30	1.151	-0.02	0.250	0.288
	CDMA2000 BC1_UAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	600	1880	22.69	23.30	1.151	0.08	0.135	0.155
	CDMA2000 BC1_UAT	RC3 SO32 (F+SCH)	Front	15mm	Full Power	25	1851.25	22.52	23.30	1.197	-0.02	0.214	0.256
	CDMA2000 BC1_UAT	RC3 SO32 (F+SCH)	Front	15mm	Full Power	1175	1908.75	22.63	23.30	1.167	0.03	0.263	0.307
	CDMA2000 BC1_LAT	RC3 SO32 (F+SCH)	Front	15mm	Full Power	600	1880	23.96	24.80	1.213	-0.05	0.439	0.533
55	CDMA2000 BC1_LAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	600	1880	23.96	24.80	1.213	-0.05	0.463	0.562
	CDMA2000 BC1_LAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	25	1851.25	23.81	24.80	1.256	-0.08	0.410	0.515
	CDMA2000 BC1_LAT	RC3 SO32 (F+SCH)	Back	15mm	Full Power	1175	1908.75	23.92	24.80	1.225	-0.06	0.392	0.480

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	133322	683	23.69	24.30	1.151	0.04	0.204	0.235
56	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	133322	683	23.69	24.30	1.151	0.03	0.314	0.361
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Front	15mm	Full Power	133322	683	22.85	23.30	1.109	0.06	0.203	0.225
	LTE Band 71_UAT	20M	QPSK	50RB	50Offset	Back	15mm	Full Power	133322	683	22.85	23.30	1.109	0.03	0.314	0.348
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	133322	683	23.43	23.80	1.089	-0.04	0.122	0.133
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	133322	683	23.43	23.80	1.089	-0.05	0.151	0.164
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Front	15mm	Full Power	133322	683	22.46	22.80	1.081	0.06	0.122	0.132
	LTE Band 71_LAT	20M	QPSK	50RB	50Offset	Back	15mm	Full Power	133322	683	22.46	22.80	1.081	-0.01	0.150	0.162
	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Front	15mm	Full Power	23095	707.5	23.42	24.30	1.225	0.1	0.265	0.325
57	LTE Band 12_UAT	10M	QPSK	1RB	49Offset	Back	15mm	Full Power	23095	707.5	23.42	24.30	1.225	-0.02	0.434	0.531
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Front	15mm	Full Power	23095	707.5	22.47	23.30	1.211	0.05	0.212	0.257
	LTE Band 12_UAT	10M	QPSK	25RB	25Offset	Back	15mm	Full Power	23095	707.5	22.47	23.30	1.211	0.04	0.352	0.426
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Front	15mm	Full Power	23095	707.5	23.01	23.80	1.199	0.13	0.155	0.186
	LTE Band 12_LAT	10M	QPSK	1RB	49Offset	Back	15mm	Full Power	23095	707.5	23.01	23.80	1.199	0.08	0.198	0.238
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Front	15mm	Full Power	23095	707.5	22.13	22.80	1.167	0.06	0.130	0.152
	LTE Band 12_LAT	10M	QPSK	25RB	25Offset	Back	15mm	Full Power	23095	707.5	22.13	22.80	1.167	-0.09	0.164	0.191
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Front	15mm	Full Power	23230	782	22.59	23.80	1.321	0.05	0.337	0.445
58	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Back	15mm	Full Power	23230	782	22.59	23.80	1.321	-0.07	0.471	0.622
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Front	15mm	Full Power	23230	782	21.73	22.80	1.279	0.06	0.278	0.356
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Back	15mm	Full Power	23230	782	21.73	22.80	1.279	-0.08	0.422	0.540
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Front	15mm	Full Power	23230	782	22.06	23.30	1.330	0.01	0.159	0.212
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Back	15mm	Full Power	23230	782	22.06	23.30	1.330	-0.1	0.184	0.245
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Front	15mm	Full Power	23230	782	21.24	22.30	1.276	0.05	0.141	0.180
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Back	15mm	Full Power	23230	782	21.24	22.30	1.276	0.13	0.152	0.194



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
59	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Front	15mm	Full Power	20525	836.5	22.80	23.80	1.259	0.05	0.305	0.384
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Back	15mm	Full Power	20525	836.5	22.80	23.80	1.259	-0.07	0.479	0.603
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Front	15mm	Full Power	20525	836.5	21.86	22.80	1.242	-0.03	0.248	0.308
	LTE Band 5_UAT	10M	QPSK	25RB	12Offset	Back	15mm	Full Power	20525	836.5	21.86	22.80	1.242	-0.02	0.394	0.489
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Front	15mm	Full Power	20525	836.5	22.45	23.20	1.189	0.11	0.167	0.198
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Back	15mm	Full Power	20525	836.5	22.45	23.20	1.189	-0.06	0.159	0.189
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Front	15mm	Full Power	20525	836.5	21.46	22.20	1.186	0.05	0.135	0.160
	LTE Band 5_LAT	10M	QPSK	25RB	12Offset	Back	15mm	Full Power	20525	836.5	21.46	22.20	1.186	0.01	0.119	0.141
60	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Front	15mm	Full Power	26865	831.5	22.85	23.80	1.245	-0.07	0.261	0.325
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	15mm	Full Power	26865	831.5	22.85	23.80	1.245	0.05	0.379	0.472
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	15mm	Full Power	26765	821.5	22.70	23.80	1.288	-0.03	0.393	0.506
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	15mm	Full Power	26965	841.5	22.70	23.80	1.288	0.08	0.405	0.522
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Front	15mm	Full Power	26865	831.5	21.92	22.80	1.225	-0.04	0.208	0.255
	LTE Band 26_UAT	15M	QPSK	36RB	20Offset	Back	15mm	Full Power	26865	831.5	21.92	22.80	1.225	0.05	0.306	0.375
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Front	15mm	Full Power	26865	831.5	22.45	23.20	1.189	0.01	0.141	0.168
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Back	15mm	Full Power	26865	831.5	22.45	23.20	1.189	0.05	0.086	0.102
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Front	15mm	Full Power	26765	821.5	22.31	23.20	1.227	0.03	0.148	0.182
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Front	15mm	Full Power	26965	841.5	22.44	23.20	1.191	0.17	0.141	0.168
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Front	15mm	Full Power	26865	831.5	21.51	22.20	1.172	0.13	0.110	0.129
	LTE Band 26_LAT	15M	QPSK	36RB	20Offset	Back	15mm	Full Power	26865	831.5	21.51	22.20	1.172	-0.16	0.094	0.110
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	132322	1745	22.39	23.10	1.178	0.05	0.225	0.265
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	132322	1745	22.39	23.10	1.178	0.02	0.245	0.289
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	132072	1720	22.13	23.10	1.250	0.03	0.240	0.300
	LTE Band 66_UAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	132572	1770	22.25	23.10	1.216	-0.08	0.255	0.310
61	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Front	15mm	Full Power	132322	1745	21.46	22.10	1.159	0.01	0.198	0.229
	LTE Band 66_UAT	20M	QPSK	50RB	0Offset	Back	15mm	Full Power	132322	1745	21.46	22.10	1.159	0.05	0.242	0.280
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	132322	1745	23.73	24.30	1.140	0.01	0.385	0.439
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	132322	1745	23.73	24.30	1.140	-0.09	0.417	0.475
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	132072	1720	23.59	24.30	1.178	-0.05	0.359	0.423
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	132572	1770	23.64	24.30	1.164	0.01	0.338	0.393
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Front	15mm	Full Power	132322	1745	22.81	23.30	1.119	-0.06	0.330	0.369
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Back	15mm	Full Power	132322	1745	22.81	23.30	1.119	-0.02	0.342	0.383
62	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	26340	1880	21.86	22.70	1.213	-0.05	0.229	0.278
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	26340	1880	21.86	22.70	1.213	-0.04	0.265	0.322
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	26140	1860	21.78	22.70	1.236	0.01	0.252	0.311
	LTE Band 25_UAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	26590	1905	21.73	22.70	1.250	-0.04	0.265	0.331
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Front	15mm	Full Power	26340	1880	20.90	21.70	1.202	-0.09	0.182	0.219
	LTE Band 25_UAT	20M	QPSK	50RB	24Offset	Back	15mm	Full Power	26340	1880	20.90	21.70	1.202	-0.04	0.215	0.258
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	26340	1880	23.18	23.80	1.153	-0.01	0.362	0.418
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	26340	1880	23.18	23.80	1.153	-0.03	0.407	0.469
62	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	26140	1860	23.09	23.80	1.178	-0.17	0.401	0.472
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	26590	1905	23.10	23.80	1.175	-0.02	0.387	0.455
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Front	15mm	Full Power	26340	1880	22.26	22.80	1.132	0.01	0.292	0.331
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Back	15mm	Full Power	26340	1880	22.26	22.80	1.132	-0.03	0.308	0.349



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	18900	1880	23.31	24.30	1.256	-0.04	0.319	0.401
63	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	18900	1880	23.31	24.30	1.256	-0.03	0.432	0.543
	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	18700	1860	23.20	24.30	1.288	-0.06	0.372	0.479
	LTE Band 2_LAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	19100	1900	23.26	24.30	1.271	-0.04	0.323	0.410
	LTE Band 2_LAT	20M	QPSK	50RB	24Offset	Front	15mm	Full Power	18900	1880	22.45	23.30	1.216	-0.05	0.256	0.311
	LTE Band 2_LAT	20M	QPSK	50RB	24Offset	Back	15mm	Full Power	18900	1880	22.45	23.30	1.216	-0.01	0.348	0.423
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Front	15mm	Full Power	27710	2310	20.63	22.40	1.503	-0.05	0.195	0.293
	LTE Band 30_UAT	10M	QPSK	1RB	0Offset	Back	15mm	Full Power	27710	2310	20.63	22.40	1.503	-0.04	0.187	0.281
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Front	15mm	Full Power	27710	2310	19.71	21.40	1.476	0.02	0.162	0.239
	LTE Band 30_UAT	10M	QPSK	25RB	0Offset	Back	15mm	Full Power	27710	2310	19.71	21.40	1.476	0.09	0.154	0.227
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Front	15mm	Full Power	27710	2310	22.56	23.80	1.330	-0.06	0.249	0.331
64	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Back	15mm	Full Power	27710	2310	22.56	23.80	1.330	-0.16	0.254	0.338
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Front	15mm	Full Power	27710	2310	21.51	22.80	1.346	-0.03	0.218	0.293
	LTE Band 30_LAT	10M	QPSK	25RB	0Offset	Back	15mm	Full Power	27710	2310	21.51	22.80	1.346	-0.08	0.221	0.297
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Front	15mm	Full Power	21350	2560	21.15	22.20	1.274	-0.07	0.218	0.278
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Back	15mm	Full Power	21350	2560	21.15	22.20	1.274	-0.15	0.241	0.307
65	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Back	15mm	Full Power	20850	2510	21.06	22.20	1.300	-0.02	0.272	0.354
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Back	15mm	Full Power	21100	2535	21.14	22.20	1.276	0.02	0.260	0.332
	LTE Band 7_UAT	20M	QPSK	1RB	99Offset	Back	15mm	Full Power	20850(PCC)+ 21048(SCC)	2510(PCC) + 2529.8(SCC)	20.89	22.20	1.352	0.05	0.205	0.277
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Front	15mm	Full Power	21350	2560	20.27	21.20	1.239	-0.06	0.197	0.244
	LTE Band 7_UAT	20M	QPSK	50RB	0Offset	Back	15mm	Full Power	21350	2560	20.27	21.20	1.239	-0.04	0.214	0.265
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Front	15mm	Full Power	21350	2560	23.25	23.80	1.135	-0.06	0.199	0.226
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Back	15mm	Full Power	21350	2560	23.25	23.80	1.135	-0.06	0.239	0.271
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Back	15mm	Full Power	20850	2510	23.22	23.80	1.143	-0.02	0.238	0.272
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Back	15mm	Full Power	21100	2535	23.24	23.80	1.138	-0.06	0.253	0.288
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Back	15mm	Full Power	21100(PCC)+ 20902(SCC)	2535(PCC) + 2515.2(SCC)	22.95	23.80	1.216	-0.05	0.223	0.271
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Front	15mm	Full Power	21350	2560	22.35	22.80	1.109	-0.05	0.190	0.211
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Back	15mm	Full Power	21350	2560	22.35	22.80	1.109	-0.04	0.222	0.246



<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Front	15mm	Full Power	41490	2680	20.72	21.90	1.312	62.9	1.006	0.02	0.056	0.074
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	41490	2680	20.72	21.90	1.312	62.9	1.006	0.07	0.082	0.108
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	39750	2506	20.63	21.90	1.340	62.9	1.006	0.08	0.142	0.191
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	40185	2549.5	20.67	21.90	1.327	62.9	1.006	0.06	0.146	0.195
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	40185(PCC) + 40383(SCC)	2549.5(PCC) + 2569.3(SCC)	20.52	21.90	1.374	62.9	1.006	0.03	0.128	0.177
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	40185	2549.5	22.91	24.40	1.409	42.9	1.009	-0.01	0.161	0.229
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	40620	2593	20.62	21.90	1.343	62.9	1.006	0.02	0.127	0.172
	LTE Band 41_UAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	41055	2636.5	20.60	21.90	1.349	62.9	1.006	0.04	0.100	0.136
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Front	15mm	Full Power	41490	2680	19.95	20.90	1.245	62.9	1.006	-0.02	0.061	0.076
	LTE Band 41_UAT	20M	QPSK	50RB	24Offset	Back	15mm	Full Power	41490	2680	19.95	20.90	1.245	62.9	1.006	0.07	0.077	0.096
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Front	15mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	-0.04	0.106	0.120
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	41490	2680	23.29	23.80	1.125	62.9	1.006	-0.01	0.162	0.183
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	39750	2506	22.87	23.80	1.239	62.9	1.006	0.1	0.148	0.184
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	40185	2549.5	22.89	23.80	1.233	62.9	1.006	-0.01	0.151	0.187
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	40620	2593	22.93	23.80	1.222	62.9	1.006	-0.02	0.166	0.204
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	40620(PCC) + 40422(SCC)	2593(PCC) + 2573.2(SCC)	22.81	23.80	1.256	62.9	1.006	0.05	0.158	0.200
66	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	40620	2593	25.41	26.30	1.227	42.9	1.009	-0.06	0.215	0.266
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15mm	Full Power	41055	2636.5	22.95	23.80	1.216	62.9	1.006	0.11	0.175	0.214
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Front	15mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	-0.05	0.086	0.097
	LTE Band 41_LAT	20M	QPSK	50RB	24Offset	Back	15mm	Full Power	41490	2680	22.30	22.80	1.122	62.9	1.006	-0.05	0.140	0.158
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	55830	3609	23.50	24.30	1.202	62.9	1.006	0.02	0.310	0.375
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Back	15mm	Full Power	55830	3609	23.50	24.30	1.202	62.9	1.006	0.06	0.280	0.339
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	55340	3560	23.47	24.30	1.211	62.9	1.006	0.004	0.305	0.371
67	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	56150	3641	23.45	24.30	1.216	62.9	1.006	0.04	0.311	0.381
	LTE Band 48_UAT	20M	QPSK	1RB	0Offset	Front	15mm	Full Power	56640	3690	23.39	24.30	1.233	62.9	1.006	0.06	0.304	0.377
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Front	15mm	Full Power	55830	3609	23.01	23.30	1.069	62.9	1.006	-0.03	0.256	0.275
	LTE Band 48_UAT	20M	QPSK	50RB	0Offset	Back	15mm	Full Power	55830	3609	23.01	23.30	1.069	62.9	1.006	0.01	0.230	0.247

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 1+2	Full Power	1	2412	22.07	23.07	1.258	99.24	1.008	0.15	0.117	0.148
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 1+2	Full Power	1	2412	22.07	23.07	1.258	99.24	1.008	0.03	0.176	0.223
68	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 1+2	Full Power	6	2437	21.87	23.07	1.319	99.24	1.008	0.11	0.200	0.266
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 1+2	Full Power	11	2462	21.41	23.07	1.466	99.24	1.008	0.05	0.170	0.251
	WLAN5GHz	802.11a 6Mbps	Front	15mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	-0.01	0.048	0.062
69	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	0.09	0.539	0.693
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	56	5280	19.47	20.73	1.337	97.86	1.022	0.08	0.498	0.680
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	60	5300	19.53	20.73	1.319	97.86	1.022	0.04	0.429	0.578
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	64	5320	19.51	20.73	1.325	97.86	1.022	0.02	0.407	0.551
	WLAN5GHz	802.11a 6Mbps	Front	15mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.05	0.026	0.034
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.05	0.404	0.520
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	116	5580	20.18	21.25	1.279	97.86	1.022	0.02	0.403	0.527
70	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	132	5660	20.16	21.25	1.285	97.86	1.022	0.06	0.407	0.535
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	140	5700	20.13	21.25	1.294	97.86	1.022	0.01	0.351	0.464
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	144	5720	20.18	21.25	1.279	97.86	1.022	-0.03	0.354	0.463
	WLAN5GHz	802.11a 6Mbps	Front	15mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.259	97.86	1.022	0.05	0.022	0.029
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	165	5825	20.39	21.39	1.259	97.86	1.022	0.02	0.322	0.414
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	149	5745	20.31	21.39	1.282	97.86	1.022	0.04	0.311	0.407
71	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 1+2	Full Power	157	5785	20.27	21.39	1.293	97.86	1.022	0.02	0.329	0.435

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Front	15mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	-0.02	0.008	0.011
72	Bluetooth	DH5 1Mbps	Back	15mm	Ant 1	39	2441	14.30	15.40	1.288	76.8	1.085	0.07	0.014	0.020
	Bluetooth	DH5 1Mbps	Back	15mm	Ant 1	0	2402	12.80	13.00	1.047	76.8	1.085	0.05	0.012	0.014
	Bluetooth	DH5 1Mbps	Back	15mm	Ant 1	78	2480	12.20	13.00	1.202	76.8	1.085	0.08	0.014	0.018

13.4 Product Specific SAR

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	0mm	1	1413	1732.6	21.44	21.80	1.086	0.05	2.660	2.890
	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	0mm	1	1312	1712.4	21.41	21.80	1.094	0.04	2.560	2.801
73	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	0mm	1	1513	1752.6	21.40	21.80	1.096	0.04	2.650	2.906
	WCDMA II_LAT	RMC 12.2Kbps	Front	0mm	1	9400	1880	20.57	21.00	1.104	-0.01	1.520	1.678
	WCDMA II_LAT	RMC 12.2Kbps	Back	0mm	1	9400	1880	20.57	21.00	1.104	-0.06	2.320	2.561
	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	0mm	1	9400	1880	20.57	21.00	1.104	0.08	2.230	2.462
	WCDMA II_LAT	RMC 12.2Kbps	Back	0mm	1	9262	1852.4	20.43	21.00	1.140	0.18	2.240	2.554
	WCDMA II_LAT	RMC 12.2Kbps	Back	0mm	1	9538	1907.6	20.49	21.00	1.125	0.08	2.340	2.632
	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	0mm	1	9262	1852.4	20.43	21.00	1.140	0.05	2.230	2.543
74	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	0mm	1	9538	1907.6	20.49	21.00	1.125	0.04	2.360	2.654

<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	0mm	1	600	1880	21.71	22.00	1.069	0.06	2.760	2.951
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	0mm	1	600	1880	21.71	22.00	1.069	0.02	2.300	2.459
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	0mm	1	25	1851.25	21.60	22.00	1.096	0.09	2.550	2.796
75	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	0mm	1	1175	1908.75	21.62	22.00	1.091	0.06	2.720	2.969
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	0mm	1	25	1851.25	21.60	22.00	1.096	-0.05	2.470	2.708
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	0mm	1	1175	1908.75	21.62	22.00	1.091	0.03	2.210	2.412



<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0mm	1	132322	1745	20.68	21.00	1.076	-0.06	2.400	2.584
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0mm	1	132072	1720	20.61	21.00	1.094	-0.02	2.250	2.461
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0mm	1	132572	1770	20.66	21.00	1.081	0.01	2.600	2.812
76	LTE Band 66_LAT	20M	QPSK	50RB	24Offset	Bottom Side	0mm	1	132322	1745	20.57	21.00	1.104	0.03	2.690	2.970
	LTE Band 66_LAT	20M	QPSK	50RB	24Offset	Bottom Side	0mm	1	132072	1720	20.54	21.00	1.112	-0.05	2.470	2.746
	LTE Band 66_LAT	20M	QPSK	50RB	24Offset	Bottom Side	0mm	1	132572	1770	20.55	21.00	1.109	-0.12	2.670	2.961
	LTE Band 66_LAT	20M	QPSK	100RB	0Offset	Bottom Side	0mm	1	132322	1745	20.54	21.00	1.112	0.06	2.630	2.924
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0mm	1	26340	1880	21.79	22.00	1.050	0.02	2.510	2.634
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0mm	1	26140	1860	21.68	22.00	1.076	0.06	2.530	2.723
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0mm	1	26590	1905	21.69	22.00	1.074	0.04	2.320	2.492
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Bottom Side	0mm	1	26340	1880	21.75	22.00	1.059	-0.1	2.600	2.754
77	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Bottom Side	0mm	1	26140	1860	21.65	22.00	1.084	0.1	2.670	2.894
	LTE Band 25_LAT	20M	QPSK	50RB	24Offset	Bottom Side	0mm	1	26590	1905	21.61	22.00	1.094	-0.01	2.360	2.582
	LTE Band 25_LAT	20M	QPSK	100RB	0Offset	Bottom Side	0mm	1	26340	1880	21.68	22.00	1.076	0.01	2.640	2.842
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	0mm	1	21350	2560	21.26	22.00	1.186	0.02	1.740	2.063
78	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	0mm	1	20850	2510	20.99	22.00	1.262	0.08	1.860	2.347
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	0mm	1	21100	2535	21.23	22.00	1.194	0.12	1.670	1.994
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	0mm	1	21100(PCC)+ 20902(SCC)	2535(PCC)+ 2515.2(SCC)	21.02	22.00	1.253	0.05	1.640	2.055
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	0mm	1	20850(PCC)+ 21048(SCC)	2510(PCC)+ 2529.8(SCC)	20.96	22.00	1.271	0.01	1.780	2.262
	LTE Band 7_LAT	20M	QPSK	1RB	99Offset	Bottom Side	0mm	1	21350(PCC)+ 21152(SCC)	2560(PCC)+ 2540.2(SCC)	21.14	22.00	1.219	-0.07	1.610	1.963
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0mm	1	21350	2560	21.22	22.00	1.197	0.05	1.780	2.130
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0mm	1	21100	2535	21.21	22.00	1.199	-0.02	1.860	2.231
	LTE Band 7_LAT	20M	QPSK	100RB	0Offset	Bottom Side	0mm	1	21350	2560	21.17	22.00	1.211	0.06	1.820	2.203

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	0.01	0.151	0.194
79	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	0.04	2.200	2.830
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	-0.02	2.150	2.766
	WLAN5GHz	802.11a 6Mbps	Left Side	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	-0.05	0.025	0.032
	WLAN5GHz	802.11a 6Mbps	Right Side	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	0.02	0.490	0.630
	WLAN5GHz	802.11a 6Mbps	Top Side	0mm	Ant 1+2	Full Power	52	5260	19.73	20.73	1.259	97.86	1.022	0.01	0.314	0.404
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	56	5280	19.47	20.73	1.337	97.86	1.022	0.02	1.970	2.691
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	60	5300	19.53	20.73	1.319	97.86	1.022	-0.07	1.730	2.332
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	64	5320	19.51	20.73	1.325	97.86	1.022	0.05	1.670	2.262
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.07	0.127	0.163
80	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.05	1.520	1.955
	WLAN5GHz	802.11a 6Mbps	Left Side	0mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.05	0.019	0.024
	WLAN5GHz	802.11a 6Mbps	Right Side	0mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.02	0.450	0.579
	WLAN5GHz	802.11a 6Mbps	Top Side	0mm	Ant 1+2	Full Power	100	5500	20.25	21.25	1.259	97.86	1.022	0.05	0.187	0.241
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	116	5580	20.18	21.25	1.279	97.86	1.022	-0.01	1.310	1.713
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	132	5660	20.16	21.25	1.285	97.86	1.022	0.02	1.250	1.642
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	140	5700	20.13	21.25	1.294	97.86	1.022	-0.05	1.100	1.455
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 1+2	Full Power	144	5720	20.18	21.25	1.279	97.86	1.022	0.08	1.110	1.451

13.5 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA II_UAT	RMC 12.2Kbps	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	9262	1852.4	18.35	18.50	1.035	-	1.000	0.02	1.140	-	1.180
2nd	WCDMA II_UAT	RMC 12.2Kbps	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	9262	1852.4	18.35	18.50	1.035	-	1.000	-0.08	1.120	1.02	1.159
1st	LTE Band 66_UAT	20M_QPSK_50_0	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132572	1770	17.72	18.10	1.091	-	1.000	0.08	1.080	-	1.179
2nd	LTE Band 66_UAT	20M_QPSK_50_0	Right Tilted	0mm	1 or 2 with 2.4GHz/5GHz	132572	1770	17.72	18.10	1.091	-	1.000	0.02	1.060	1.02	1.157
1st	LTE Band 30_UAT	10M_QPSK_50_0	Right Tilted	0mm	1	27710	2310	19.20	19.50	1.072	-	1.000	0.07	1.110	-	1.189
2nd	LTE Band 30_UAT	10M_QPSK_50_0	Right Tilted	0mm	1	27710	2310	19.20	19.50	1.072	-	1.000	-0.06	1.080	1.03	1.157
1st	LTE Band 7_UAT	20M_QPSK_50_0	Right Tilted	0mm	2 with 2.4GHz	21100	2535	18.15	18.30	1.035	-	1.000	-0.09	1.140	-	1.180
2nd	LTE Band 7_UAT	20M_QPSK_50_0	Right Tilted	0mm	2 with 2.4GHz	21100	2535	18.15	18.30	1.035	-	1.000	0.01	1.110	1.03	1.149
1st	LTE Band 41_UAT	20M_QPSK_1_49	Right Cheek	0mm	2 with 5GHz	40185	2549.5	20.00	20.50	1.122	62.9	1.006	0.01	1.050	-	1.185
2nd	LTE Band 41_UAT	20M_QPSK_1_49	Right Cheek	0mm	2 with 5GHz	40185	2549.5	20.00	20.50	1.122	62.9	1.006	0.15	1.030	1.02	1.163
1st	LTE Band 48_UAT	20M_QPSK_50_0	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.91	17.00	1.021	62.9	1.006	-0.07	0.950	-	0.976
2nd	LTE Band 48_UAT	20M_QPSK_50_0	Right Cheek	0mm	1 or 2 with 2.4GHz/5GHz	55830	3609	16.91	17.00	1.021	62.9	1.006	0.04	0.946	1.00	0.972
1st	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	1	11	2462	18.24	18.50	1.062	99.24	1.008	-0.05	0.862	-	0.923
2nd	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	1	11	2462	18.24	18.50	1.062	99.24	1.008	0.02	0.858	1.00	0.918
1st	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10mm	Full Power	4182	836.4	24.04	24.80	1.191	-	1.000	-0.17	0.982	-	1.170
2nd	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10mm	Full Power	4182	836.4	24.04	24.80	1.191	-	1.000	0.05	0.978	1.00	1.165
1st	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	10mm	1	1413	1732.6	23.62	23.80	1.042	-	1.000	-0.11	1.090	-	1.136
2nd	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	10mm	1	1413	1732.6	23.62	23.80	1.042	-	1.000	0.03	1.070	1.02	1.115
1st	LTE Band 12_UAT	10M_QPSK_1_49	Left Side	10mm	Full Power	23095	707.5	23.42	24.30	1.225	-	1.000	-0.06	0.963	-	1.179
2nd	LTE Band 12_UAT	10M_QPSK_1_49	Left Side	10mm	Full Power	23095	707.5	23.42	24.30	1.225	-	1.000	-0.12	0.948	1.02	1.161

No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	0mm	1 for Sensor On	1175	1908.75	21.62	22.00	1.091	0.06	2.720	-	2.969
2nd	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	0mm	1 for Sensor On	1175	1908.75	21.62	22.00	1.091	0.01	2.690	1.01	2.936
1st	LTE Band 66_LAT	20M_QPSK_50_24	Bottom Side	0mm	1 for Sensor On	132322	1745	20.57	21.00	1.104	0.03	2.690	-	2.970
2nd	LTE Band 66_LAT	20M_QPSK_50_24	Bottom Side	0mm	1 for Sensor On	132322	1745	20.57	21.00	1.104	-0.05	2.650	1.02	2.926

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR < 1.45 W/kg, only one repeated measurement is required.
- Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
- The ratio is the difference in percentage between original and repeated *measured* SAR.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

14. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product Specific
1.	GSM Voice + WLAN2.4GHz	Yes	Yes		Yes
2.	GPRS/EDGE + WLAN2.4GHz	Yes	Yes	Yes	Yes
3.	WCDMA + WLAN2.4GHz	Yes	Yes	Yes	Yes
4.	CDMA + WLAN2.4GHz	Yes	Yes	Yes	Yes
5.	LTE + WLAN2.4GHz	Yes	Yes	Yes	Yes
6.	GSM Voice + Bluetooth	Yes	Yes		Yes
7.	GPRS/EDGE + Bluetooth	Yes	Yes	Yes	Yes
8.	WCDMA+ Bluetooth	Yes	Yes	Yes	Yes
9.	CDMA + Bluetooth	Yes	Yes	Yes	Yes
10.	LTE + Bluetooth	Yes	Yes	Yes	Yes
11.	GSM Voice + WLAN5GHz	Yes	Yes		Yes
12.	GPRS/EDGE + WLAN5GHz	Yes	Yes	Yes	Yes
13.	WCDMA + WLAN5GHz	Yes	Yes	Yes	Yes
14.	CDMA + WLAN5GHz	Yes	Yes	Yes	Yes
15.	LTE + WLAN5GHz	Yes	Yes	Yes	Yes
16.	GSM Voice + WLAN5GHz + Bluetooth	Yes	Yes		Yes
17.	GPRS/EDGE + WLAN5GHz + Bluetooth	Yes	Yes	Yes	Yes
18.	WCDMA + WLAN5GHz + Bluetooth	Yes	Yes	Yes	Yes
19.	CDMA + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
20.	LTE + WLAN5GHz + Bluetooth	Yes	Yes	Yes	Yes

General Note:

1. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
2. 2.4GHz WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.
3. All licensed modes share the same antenna part and cannot transmit simultaneously.
4. EUT will choose either WLAN 2.4GHz or WLAN 5GHz according to the network signal condition; therefore, 2.4GHz WLAN and 5GHz WLAN will not operate simultaneously at any moment.
5. The Scaled SAR summation is calculated based on the same configuration and test position.
6. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation < 1.6W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.
 - v) The SPLSR calculated results please refer to section 14.5.

14.1 Head Exposure Conditions

WWAN Band		Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)	SPLSR	Case No
			WWAN	2.4GHz WLAN Ant 1+2			
			1g SAR (W/kg)	1g SAR (W/kg)			
GSM	GSM850_UAT	Right Cheek	0.519	0.209	0.728	0.02	1
		Right Tilted	0.121	0.168	0.289		
		Left Cheek	0.826	0.923	1.749		
		Left Tilted	0.143	0.480	0.623		
	GSM1900_UAT	Right Cheek	0.987	0.209	1.196		
		Right Tilted	1.010	0.168	1.178		
		Left Cheek	0.231	0.923	1.154		
		Left Tilted	0.267	0.480	0.747		
WCDMA	WCDMA II_UAT	Right Cheek	1.180	0.209	1.389		
		Right Tilted	1.170	0.168	1.338		
		Left Cheek	0.298	0.923	1.221		
		Left Tilted	0.441	0.480	0.921		
	WCDMA IV_UAT	Right Cheek	1.143	0.209	1.352		
		Right Tilted	1.015	0.168	1.183		
		Left Cheek	0.315	0.923	1.238		
		Left Tilted	0.361	0.480	0.841		
	WCDMA V_UAT	Right Cheek	0.479	0.209	0.688	0.03	2
		Right Tilted	0.105	0.168	0.273		
		Left Cheek	0.803	0.923	1.726		
		Left Tilted	0.120	0.480	0.600		
CDMA	CDMA2000 BC0_UAT	Right Cheek	0.612	0.209	0.821	0.03	3
		Right Tilted	0.134	0.168	0.302		
		Left Cheek	0.925	0.923	1.848		
		Left Tilted	0.140	0.480	0.620		
	CDMA2000 BC1_UAT	Right Cheek	1.192	0.209	1.401		
		Right Tilted	1.189	0.168	1.357		
		Left Cheek	0.307	0.923	1.230		
		Left Tilted	0.435	0.480	0.915		



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WWAN Band		Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)	SPLSR	Case No
			WWAN	2.4GHz WLAN Ant 1+2			
			1g SAR (W/kg)	1g SAR (W/kg)			
LTE	LTE Band 4_UAT	Right Cheek	1.125	0.209	1.334		
		Right Tilted	1.093	0.168	1.261		
		Left Cheek	0.300	0.923	1.223		
		Left Tilted	0.359	0.480	0.839		
	LTE Band 5_UAT	Right Cheek	0.485	0.209	0.694		
		Right Tilted	0.111	0.168	0.279		
		Left Cheek	0.668	0.923	1.591		
		Left Tilted	0.127	0.480	0.607		
	LTE Band 7_UAT	Right Cheek	1.170	0.209	1.379		
		Right Tilted	1.180	0.168	1.348		
		Left Cheek	0.262	0.923	1.185		
		Left Tilted	0.265	0.480	0.745		
	LTE Band 12_UAT	Right Cheek	0.508	0.209	0.717		
		Right Tilted	0.126	0.168	0.294		
		Left Cheek	0.720	0.923	1.643	0.02	5
		Left Tilted	0.130	0.480	0.610		
	LTE Band 13_UAT	Right Cheek	0.404	0.209	0.613		
		Right Tilted	0.088	0.168	0.256		
		Left Cheek	0.608	0.923	1.531		
		Left Tilted	0.100	0.480	0.580		
	LTE Band 17_UAT	Right Cheek	0.470	0.209	0.679		
		Right Tilted	0.113	0.168	0.281		
		Left Cheek	0.625	0.923	1.548		
		Left Tilted	0.120	0.480	0.600		
	LTE Band 25_UAT	Right Cheek	1.201	0.209	1.410		
		Right Tilted	1.028	0.168	1.196		
		Left Cheek	0.324	0.923	1.247		
		Left Tilted	0.375	0.480	0.855		
	LTE Band 26_UAT	Right Cheek	0.518	0.209	0.727		
		Right Tilted	0.123	0.168	0.291		
		Left Cheek	0.885	0.923	1.808	0.03	7
		Left Tilted	0.148	0.480	0.628		
	LTE Band 30_UAT	Right Cheek	1.090	0.209	1.299		
		Right Tilted	1.085	0.168	1.253		
		Left Cheek	0.323	0.923	1.246		
		Left Tilted	0.262	0.480	0.742		
	LTE Band 41_UAT	Right Cheek	0.900	0.209	1.113		
		Right Tilted	0.474	0.168	0.642		
		Left Cheek	0.141	0.923	1.064		
		Left Tilted	0.163	0.480	0.643		
	LTE Band 48_UAT	Right Cheek	0.976	0.209	1.185		
		Right Tilted	0.972	0.168	1.140		
		Left Cheek	0.269	0.923	1.192		
		Left Tilted	0.239	0.480	0.719		
	LTE Band 66_UAT	Right Cheek	1.157	0.209	1.366		
		Right Tilted	1.179	0.168	1.347		
		Left Cheek	0.303	0.923	1.226		
		Left Tilted	0.325	0.480	0.805		
	LTE Band 71_UAT	Right Cheek	0.560	0.209	0.769		
		Right Tilted	0.144	0.168	0.312		
		Left Cheek	1.035	0.923	1.958	0.03	8
		Left Tilted	0.160	0.480	0.640		

WWAN Band		Exposure Position	1	3	4	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	SPLSR	Case No
			WWAN	5GHz WLAN Ant 1+2	Bluetooth Ant 1					
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					
GSM	GSM850_UAT	Right Cheek	0.635	0.109	0.140	0.744	0.775	0.884		
		Right Tilted	0.143	0.023	0.109	0.166	0.252	0.275		
		Left Cheek	1.077	0.531	0.344	1.608	1.421	1.952	0.03	13
		Left Tilted	0.192	0.439	0.288	0.631	0.480	0.919		
	GSM1900_UAT	Right Cheek	1.127	0.109	0.140	1.236	1.267	1.376		
		Right Tilted	1.072	0.023	0.109	1.095	1.181	1.204		
		Left Cheek	0.316	0.531	0.344	0.847	0.660	1.191		
		Left Tilted	0.356	0.439	0.288	0.795	0.644	1.083		
WCDMA	WCDMA II_UAT	Right Cheek	1.180	0.109	0.140	1.289	1.320	1.429		
		Right Tilted	1.170	0.023	0.109	1.193	1.279	1.302		
		Left Cheek	0.298	0.531	0.344	0.829	0.642	1.173		
		Left Tilted	0.441	0.439	0.288	0.880	0.729	1.168		
	WCDMA IV_UAT	Right Cheek	1.143	0.109	0.140	1.252	1.283	1.392		
		Right Tilted	1.015	0.023	0.109	1.038	1.124	1.147		
		Left Cheek	0.315	0.531	0.344	0.846	0.659	1.190		
		Left Tilted	0.361	0.439	0.288	0.800	0.649	1.088		
	WCDMA V_UAT	Right Cheek	0.831	0.109	0.140	0.940	0.971	1.080		
		Right Tilted	0.175	0.023	0.109	0.198	0.284	0.307		
		Left Cheek	1.073	0.531	0.344	1.604	1.417	1.948	0.03	14
		Left Tilted	0.176	0.439	0.288	0.615	0.464	0.903		
CDMA	CDMA2000 BC0_UAT	Right Cheek	0.346	0.109	0.140	0.455	0.486	0.595		
		Right Tilted	0.074	0.023	0.109	0.097	0.183	0.206		
		Left Cheek	0.505	0.531	0.344	1.036	0.849	1.380		
		Left Tilted	0.079	0.439	0.288	0.518	0.367	0.806		
	CDMA2000 BC1_UAT	Right Cheek	1.192	0.109	0.140	1.301	1.332	1.441		
		Right Tilted	1.189	0.023	0.109	1.212	1.298	1.321		
		Left Cheek	0.307	0.531	0.344	0.838	0.651	1.182		
		Left Tilted	0.435	0.439	0.288	0.874	0.723	1.162		
LTE	LTE Band 4	Right Cheek	1.125	0.109	0.140	1.234	1.265	1.374		
		Right Tilted	1.093	0.023	0.109	1.116	1.202	1.225		
		Left Cheek	0.300	0.531	0.344	0.831	0.644	1.175		
		Left Tilted	0.359	0.439	0.288	0.798	0.647	1.086		
	LTE Band 5_UAT	Right Cheek	0.657	0.109	0.140	0.766	0.797	0.906		
		Right Tilted	0.156	0.023	0.109	0.179	0.265	0.288		
		Left Cheek	1.020	0.531	0.344	1.551	1.364	1.895	0.03	16
		Left Tilted	0.170	0.439	0.288	0.609	0.458	0.897		
	LTE Band 7_UAT	Right Cheek	1.074	0.109	0.140	1.183	1.214	1.323		
		Right Tilted	1.172	0.023	0.109	1.195	1.281	1.304		
		Left Cheek	0.287	0.531	0.344	0.818	0.631	1.162		
		Left Tilted	0.350	0.439	0.288	0.789	0.638	1.077		



WWAN Band		Exposure Position	1	3	4	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	SPLSR	Case No
			WWAN	5GHz WLAN Ant 1+2	Bluetooth Ant 1					
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					
LTE	LTE Band 12_UAT	Right Cheek	0.685	0.109	0.140	0.794	0.825	0.934		
		Right Tilted	0.154	0.023	0.109	0.177	0.263	0.286		
		Left Cheek	0.890	0.531	0.344	1.421	1.234	1.765	0.03	17
		Left Tilted	0.163	0.439	0.288	0.602	0.451	0.890		
	LTE Band 13_UAT	Right Cheek	0.563	0.109	0.140	0.672	0.703	0.812		
		Right Tilted	0.134	0.023	0.109	0.157	0.243	0.266		
		Left Cheek	0.911	0.531	0.344	1.442	1.255	1.786	0.03	18
		Left Tilted	0.167	0.439	0.288	0.606	0.455	0.894		
	LTE Band 17_UAT	Right Cheek	0.470	0.109	0.140	0.579	0.610	0.719		
		Right Tilted	0.113	0.023	0.109	0.136	0.222	0.245		
		Left Cheek	0.625	0.531	0.344	1.156	0.969	1.500		
		Left Tilted	0.120	0.439	0.288	0.559	0.408	0.847		
	LTE Band 25_UAT	Right Cheek	1.201	0.109	0.140	1.310	1.341	1.450		
		Right Tilted	1.028	0.023	0.109	1.051	1.137	1.160		
		Left Cheek	0.324	0.531	0.344	0.855	0.668	1.199		
		Left Tilted	0.375	0.439	0.288	0.814	0.663	1.102		
	LTE Band 26_UAT	Right Cheek	0.518	0.109	0.140	0.627	0.658	0.767		
		Right Tilted	0.123	0.023	0.109	0.146	0.232	0.255		
		Left Cheek	0.885	0.531	0.344	1.416	1.229	1.760	0.03	20
		Left Tilted	0.148	0.439	0.288	0.587	0.436	0.875		
	LTE Band 30_UAT	Right Cheek	0.719	0.109	0.140	0.828	0.859	0.968		
		Right Tilted	0.735	0.023	0.109	0.758	0.844	0.867		
		Left Cheek	0.214	0.531	0.344	0.745	0.558	1.089		
		Left Tilted	0.177	0.439	0.288	0.616	0.465	0.904		
	LTE Band 41_UAT	Right Cheek	1.185	0.109	0.140	1.294	1.325	1.434		
		Right Tilted	0.520	0.023	0.109	0.543	0.629	0.652		
		Left Cheek	0.176	0.531	0.344	0.707	0.520	1.051		
		Left Tilted	0.209	0.439	0.288	0.648	0.497	0.936		
	LTE Band 48_UAT	Right Cheek	0.976	0.109	0.140	1.085	1.116	1.225		
		Right Tilted	0.972	0.023	0.109	0.995	1.081	1.104		
		Left Cheek	0.269	0.531	0.344	0.800	0.613	1.144		
		Left Tilted	0.239	0.439	0.288	0.678	0.527	0.966		
	LTE Band 66_UAT	Right Cheek	1.157	0.109	0.140	1.266	1.297	1.406		
		Right Tilted	1.179	0.023	0.109	1.202	1.288	1.311		
		Left Cheek	0.303	0.531	0.344	0.834	0.647	1.178		
		Left Tilted	0.325	0.439	0.288	0.764	0.613	1.052		
	LTE Band 71_UAT	Right Cheek	0.560	0.109	0.140	0.669	0.700	0.809		
		Right Tilted	0.144	0.023	0.109	0.167	0.253	0.276		
		Left Cheek	1.035	0.531	0.344	1.566	1.379	1.910	0.03	21
		Left Tilted	0.160	0.439	0.288	0.599	0.448	0.887		

WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth Ant 1				
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
GSM	GSM850_LAT	Right Cheek	0.144	0.209	0.109	0.140	0.353	0.253	0.284	0.393
		Right Tilted	0.099	0.168	0.023	0.109	0.267	0.122	0.208	0.231
		Left Cheek	0.210	0.923	0.531	0.344	1.133	0.741	0.554	1.085
		Left Tilted	0.086	0.480	0.439	0.288	0.566	0.525	0.374	0.813
	GSM1900_LAT	Right Cheek	0.127	0.209	0.109	0.140	0.336	0.236	0.267	0.376
		Right Tilted	0.054	0.168	0.023	0.109	0.222	0.077	0.163	0.186
		Left Cheek	0.072	0.923	0.531	0.344	0.995	0.603	0.416	0.947
		Left Tilted	0.043	0.480	0.439	0.288	0.523	0.482	0.331	0.770
WCDMA	WCDMA II_LAT	Right Cheek	0.302	0.209	0.109	0.140	0.511	0.411	0.442	0.551
		Right Tilted	0.150	0.168	0.023	0.109	0.318	0.173	0.259	0.282
		Left Cheek	0.181	0.923	0.531	0.344	1.104	0.712	0.525	1.056
		Left Tilted	0.136	0.480	0.439	0.288	0.616	0.575	0.424	0.863
	WCDMA IV_LAT	Right Cheek	0.303	0.209	0.109	0.140	0.512	0.412	0.443	0.552
		Right Tilted	0.124	0.168	0.023	0.109	0.292	0.147	0.233	0.256
		Left Cheek	0.202	0.923	0.531	0.344	1.125	0.733	0.546	1.077
		Left Tilted	0.112	0.480	0.439	0.288	0.592	0.551	0.400	0.839
	WCDMA V_LAT	Right Cheek	0.164	0.209	0.109	0.140	0.373	0.273	0.304	0.413
		Right Tilted	0.102	0.168	0.023	0.109	0.270	0.125	0.211	0.234
		Left Cheek	0.219	0.923	0.531	0.344	1.142	0.750	0.563	1.094
		Left Tilted	0.089	0.480	0.439	0.288	0.569	0.528	0.377	0.816
CDMA	CDMA2000 BC0_LAT	Right Cheek	0.132	0.209	0.109	0.140	0.341	0.241	0.272	0.381
		Right Tilted	0.105	0.168	0.023	0.109	0.273	0.128	0.214	0.237
		Left Cheek	0.172	0.923	0.531	0.344	1.095	0.703	0.516	1.047
		Left Tilted	0.080	0.480	0.439	0.288	0.560	0.519	0.368	0.807
	CDMA2000 BC1_LAT	Right Cheek	0.288	0.209	0.109	0.140	0.497	0.397	0.428	0.537
		Right Tilted	0.151	0.168	0.023	0.109	0.319	0.174	0.260	0.283
		Left Cheek	0.189	0.923	0.531	0.344	1.112	0.720	0.533	1.064
		Left Tilted	0.124	0.480	0.439	0.288	0.604	0.563	0.412	0.851
LTE	LTE Band 2_LAT	Right Cheek	0.274	0.209	0.109	0.140	0.483	0.383	0.414	0.523
		Right Tilted	0.156	0.168	0.023	0.109	0.324	0.179	0.265	0.288
		Left Cheek	0.178	0.923	0.531	0.344	1.101	0.709	0.522	1.053
		Left Tilted	0.133	0.480	0.439	0.288	0.613	0.572	0.421	0.860
	LTE Band 5_LAT	Right Cheek	0.122	0.209	0.109	0.140	0.331	0.231	0.262	0.371
		Right Tilted	0.094	0.168	0.023	0.109	0.262	0.117	0.203	0.226
		Left Cheek	0.174	0.923	0.531	0.344	1.097	0.705	0.518	1.049
		Left Tilted	0.090	0.480	0.439	0.288	0.570	0.529	0.378	0.817
	LTE Band 7_LAT	Right Cheek	0.091	0.209	0.109	0.140	0.300	0.200	0.231	0.340
		Right Tilted	0.107	0.168	0.023	0.109	0.275	0.130	0.216	0.239
		Left Cheek	0.124	0.923	0.531	0.344	1.047	0.655	0.468	0.999
		Left Tilted	0.062	0.480	0.439	0.288	0.542	0.501	0.350	0.789



WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth Ant 1				
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
LTE	LTE Band 12_LAT	Right Cheek	0.110	0.209	0.109	0.140	0.319	0.219	0.250	0.359
		Right Tilted	0.082	0.168	0.023	0.109	0.250	0.105	0.191	0.214
		Left Cheek	0.160	0.923	0.531	0.344	1.083	0.691	0.504	1.035
		Left Tilted	0.078	0.480	0.439	0.288	0.558	0.517	0.366	0.805
	LTE Band 13_LAT	Right Cheek	0.125	0.209	0.109	0.140	0.334	0.234	0.265	0.374
		Right Tilted	0.076	0.168	0.023	0.109	0.244	0.099	0.185	0.208
		Left Cheek	0.134	0.923	0.531	0.344	1.057	0.665	0.478	1.009
		Left Tilted	0.073	0.480	0.439	0.288	0.553	0.512	0.361	0.800
	LTE Band 25_LAT	Right Cheek	0.202	0.209	0.109	0.140	0.411	0.311	0.342	0.451
		Right Tilted	0.095	0.168	0.023	0.109	0.263	0.118	0.204	0.227
		Left Cheek	0.137	0.923	0.531	0.344	1.060	0.668	0.481	1.012
		Left Tilted	0.104	0.480	0.439	0.288	0.584	0.543	0.392	0.831
	LTE Band 26_LAT	Right Cheek	0.109	0.209	0.109	0.140	0.318	0.218	0.249	0.358
		Right Tilted	0.081	0.168	0.023	0.109	0.249	0.104	0.190	0.213
		Left Cheek	0.151	0.923	0.531	0.344	1.074	0.682	0.495	1.026
		Left Tilted	0.057	0.480	0.439	0.288	0.537	0.496	0.345	0.784
	LTE Band 30_LAT	Right Cheek	0.161	0.209	0.109	0.140	0.370	0.270	0.301	0.410
		Right Tilted	0.110	0.168	0.023	0.109	0.278	0.133	0.219	0.242
		Left Cheek	0.149	0.923	0.531	0.344	1.072	0.680	0.493	1.024
		Left Tilted	0.090	0.480	0.439	0.288	0.570	0.529	0.378	0.817
	LTE Band 41_LAT	Right Cheek	0.045	0.209	0.109	0.140	0.254	0.154	0.185	0.294
		Right Tilted	0.059	0.168	0.023	0.109	0.227	0.082	0.168	0.191
		Left Cheek	0.102	0.923	0.531	0.344	1.025	0.633	0.446	0.977
		Left Tilted	0.036	0.480	0.439	0.288	0.516	0.475	0.324	0.763
	LTE Band 66_LAT	Right Cheek	0.263	0.209	0.109	0.140	0.472	0.372	0.403	0.512
		Right Tilted	0.122	0.168	0.023	0.109	0.290	0.145	0.231	0.254
		Left Cheek	0.117	0.923	0.531	0.344	1.040	0.648	0.461	0.992
		Left Tilted	0.066	0.480	0.439	0.288	0.546	0.505	0.354	0.793
	LTE Band 71_LAT	Right Cheek	0.081	0.209	0.109	0.140	0.290	0.190	0.221	0.330
		Right Tilted	0.056	0.168	0.023	0.109	0.224	0.079	0.165	0.188
		Left Cheek	0.117	0.923	0.531	0.344	1.040	0.648	0.461	0.992
		Left Tilted	0.063	0.480	0.439	0.288	0.543	0.502	0.351	0.790

14.2 Hotspot Exposure Conditions

WWAN Band		Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)	SPLSR	Case No
			WWAN	2.4GHz WLAN Ant 1+2			
			1g SAR (W/kg)	1g SAR (W/kg)			
GSM	GSM850_UAT	Front	0.518	0.280	0.798		
		Back	0.966	0.473	1.439		
		Left side	1.118	0.013	1.131		
		Right side	0.049	0.193	0.242		
		Top side	0.028	0.202	0.230		
	GSM1900_UAT	Front	0.439	0.280	0.719		
		Back	0.644	0.473	1.117		
		Left side	0.231	0.013	0.244		
		Right side	0.012	0.193	0.205		
		Top side	0.460	0.202	0.662		
WCDMA	WCDMA II_UAT	Front	0.747	0.280	1.027		
		Back	1.127	0.473	1.600	0.03	9
		Left side	0.505	0.013	0.518		
		Right side	0.065	0.193	0.258		
		Top side	0.797	0.202	0.999		
	WCDMA IV_UAT	Front	0.692	0.280	0.972		
		Back	1.186	0.473	1.659	0.04	10
		Left side	0.484	0.013	0.497		
		Right side	0.071	0.193	0.264		
		Top side	1.103	0.202	1.305		
	WCDMA V_UAT	Front	0.491	0.280	0.771		
		Back	1.054	0.473	1.527		
		Left side	1.170	0.013	1.183		
		Right side	0.050	0.193	0.243		
		Top side	0.027	0.202	0.229		
CDMA	CDMA2000 BC0_UAT	Front	0.566	0.280	0.846		
		Back	1.144	0.473	1.617	0.03	12
		Left side	0.986	0.013	0.999		
		Right side	0.043	0.193	0.236		
		Top side	0.027	0.202	0.229		
	CDMA2000 BC1_UAT	Front	0.756	0.280	1.036		
		Back	1.018	0.473	1.491		
		Left side	0.538	0.013	0.551		
		Right side	0.089	0.193	0.282		
		Top side	0.989	0.202	1.191		
LTE	LTE Band 5_UAT	Front	0.452	0.280	0.732		
		Back	0.968	0.473	1.441		
		Left side	1.000	0.013	1.013		
		Right side	0.019	0.193	0.212		
		Top side	0.006	0.202	0.208		
	LTE Band 7_UAT	Front	0.471	0.280	0.751		
		Back	0.627	0.473	1.100		
		Left side	0.865	0.013	0.878		
		Right side	0.080	0.193	0.273		
		Top side	0.489	0.202	0.691		



WWAN Band		Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)	SPLSR	Case No
			WWAN	2.4GHz WLAN Ant 1+2			
			1g SAR (W/kg)	1g SAR (W/kg)			
LTE	LTE Band 12_UAT	Front	0.551	0.280	0.831		
		Back	0.966	0.473	1.439		
		Left side	1.179	0.013	1.192		
		Right side	0.060	0.193	0.253		
		Top side	0.021	0.202	0.223		
	LTE Band 13_UAT	Front	0.386	0.280	0.666		
		Back	0.825	0.473	1.298		
		Left side	0.774	0.013	0.787		
		Right side	0.029	0.193	0.222		
		Top side	0.009	0.202	0.211		
	LTE Band 25_UAT	Front	0.596	0.280	0.876		
		Back	0.744	0.473	1.217		
		Left side	0.471	0.013	0.484		
		Right side	0.075	0.193	0.268		
		Top side	0.874	0.202	1.076		
	LTE Band 26_UAT	Front	0.431	0.280	0.711		
		Back	0.875	0.473	1.348		
		Left side	0.793	0.013	0.806		
		Right side	0.024	0.193	0.217		
		Top side	0.011	0.202	0.213		
	LTE Band 30_UAT	Front	0.546	0.280	0.826		
		Back	0.588	0.473	1.061		
		Left side	0.711	0.013	0.724		
		Right side	0.080	0.193	0.273		
		Top side	0.340	0.202	0.542		
	LTE Band 41_UAT	Front	0.210	0.280	0.490		
		Back	0.268	0.473	0.741		
		Left side	0.631	0.013	0.534		
		Right side	0.012	0.193	0.205		
		Top side	0.240	0.202	0.442		
	LTE Band 48_UAT	Front	0.895	0.280	1.175		
		Back	0.735	0.473	1.208		
		Left side	0.513	0.013	0.526		
		Right side	0.106	0.193	0.299		
		Top side	0.526	0.202	0.728		
	LTE Band 66_UAT	Front	0.670	0.280	0.950		
		Back	0.817	0.473	1.290		
		Left side	0.429	0.013	0.442		
		Right side	0.006	0.193	0.199		
		Top side	0.996	0.202	1.198		
	LTE Band 71_UAT	Front	0.465	0.280	0.745		
		Back	0.837	0.473	1.310		
		Left side	0.952	0.013	0.965		
		Right side	0.079	0.193	0.272		
		Top side	0.018	0.202	0.220		

WWAN Band		Exposure Position	1	3	4	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	SPLSR	Case No
			WWAN	5GHz WLAN Ant 1+2	Bluetooth Ant 1					
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					
GSM	GSM850_UAT	Front	0.212	0.069	0.036	0.281	0.248	0.317		
		Back	0.466	1.082	0.042	1.548	0.508	1.590		
		Left side	0.379	0.065	0.006	0.444	0.385	0.450		
		Right side	0.026	0.662	0.018	0.688	0.044	0.706		
		Top side	0.017	0.308	0.022	0.325	0.039	0.347		
	GSM1900_UAT	Front	0.313	0.069	0.036	0.382	0.349	0.418		
		Back	0.534	1.082	0.042	1.616	0.576	1.658	0.04	23
		Left side	0.243	0.065	0.006	0.308	0.249	0.314		
		Right side	0.005	0.662	0.018	0.667	0.023	0.685		
		Top side	0.347	0.308	0.022	0.655	0.369	0.677		
WCDMA	WCDMA II_UAT	Front	0.337	0.069	0.036	0.406	0.373	0.442		
		Back	0.465	1.082	0.042	1.547	0.507	1.589		
		Left side	0.233	0.065	0.006	0.298	0.239	0.304		
		Right side	0.042	0.662	0.018	0.704	0.060	0.722		
		Top side	0.395	0.308	0.022	0.703	0.417	0.725		
	WCDMA IV_UAT	Front	0.301	0.069	0.036	0.370	0.337	0.406		
		Back	0.374	1.082	0.042	1.456	0.416	1.498		
		Left side	0.222	0.065	0.006	0.287	0.228	0.293		
		Right side	0.024	0.662	0.018	0.686	0.042	0.704		
		Top side	0.475	0.308	0.022	0.783	0.497	0.805		
	WCDMA V_UAT	Front	0.234	0.069	0.036	0.303	0.270	0.339		
		Back	0.388	1.082	0.042	1.470	0.430	1.512		
		Left side	0.394	0.065	0.006	0.459	0.400	0.465		
		Right side	0.024	0.662	0.018	0.686	0.042	0.704		
		Top side	0.014	0.308	0.022	0.322	0.036	0.344		
CDMA	CDMA2000 BC0_UAT	Front	0.225	0.069	0.036	0.294	0.261	0.330		
		Back	0.352	1.082	0.042	1.434	0.394	1.476		
		Left side	0.488	0.065	0.006	0.553	0.494	0.559		
		Right side	0.029	0.662	0.018	0.691	0.047	0.709		
		Top side	0.014	0.308	0.022	0.322	0.036	0.344		
	CDMA2000 BC1_UAT	Front	0.294	0.069	0.036	0.363	0.330	0.399		
		Back	0.323	1.082	0.042	1.405	0.365	1.447		
		Left side	0.235	0.065	0.006	0.300	0.241	0.306		
		Right side	0.002	0.662	0.018	0.664	0.020	0.682		
		Top side	0.320	0.308	0.022	0.628	0.342	0.650		
LTE	LTE Band 5_UAT	Front	0.165	0.069	0.036	0.234	0.201	0.270		
		Back	0.318	1.082	0.042	1.400	0.360	1.442		
		Left side	0.258	0.065	0.006	0.323	0.264	0.329		
		Right side	0.008	0.662	0.018	0.670	0.026	0.688		
		Top side	0.001	0.308	0.022	0.309	0.023	0.331		
	LTE Band 7_UAT	Front	0.293	0.069	0.036	0.362	0.329	0.398		
		Back	0.343	1.082	0.042	1.425	0.385	1.467		
		Left side	0.611	0.065	0.006	0.676	0.617	0.682		
		Right side	0.052	0.662	0.018	0.714	0.070	0.732		
		Top side	0.324	0.308	0.022	0.632	0.346	0.654		



WWAN Band		Exposure Position	1	3	4	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	SPLSR	Case No
			WWAN	5GHz WLAN Ant 1+2	Bluetooth Ant 1					
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					
LTE	LTE Band 12_UAT	Front	0.221	0.069	0.036	0.290	0.257	0.326		
		Back	0.325	1.082	0.042	1.407	0.367	1.449		
		Left side	0.491	0.065	0.006	0.556	0.497	0.562		
		Right side	0.046	0.662	0.018	0.708	0.064	0.726		
		Top side	0.010	0.308	0.022	0.318	0.032	0.340		
	LTE Band 13_UAT	Front	0.213	0.069	0.036	0.282	0.249	0.318		
		Back	0.446	1.082	0.042	1.528	0.488	1.570		
		Left side	0.477	0.065	0.006	0.542	0.483	0.548		
		Right side	0.018	0.662	0.018	0.680	0.036	0.698		
		Top side	0.002	0.308	0.022	0.310	0.024	0.332		
	LTE Band 25_UAT	Front	0.326	0.069	0.036	0.395	0.362	0.431		
		Back	0.563	1.082	0.042	1.645	0.605	1.687	0.04	28
		Left side	0.224	0.065	0.006	0.289	0.230	0.295		
		Right side	0.049	0.662	0.018	0.711	0.067	0.729		
		Top side	0.370	0.308	0.022	0.678	0.392	0.700		
	LTE Band 26_UAT	Front	0.229	0.069	0.036	0.298	0.265	0.334		
		Back	0.456	1.082	0.042	1.538	0.498	1.580		
		Left side	0.348	0.065	0.006	0.413	0.354	0.419		
		Right side	0.009	0.662	0.018	0.671	0.027	0.689		
		Top side	0.004	0.308	0.022	0.312	0.026	0.334		
	LTE Band 30_UAT	Front	0.546	0.069	0.036	0.615	0.582	0.651		
		Back	0.588	1.082	0.042	1.670	0.630	1.712	0.04	30
		Left side	0.711	0.065	0.006	0.776	0.717	0.782		
		Right side	0.080	0.662	0.018	0.742	0.098	0.760		
		Top side	0.340	0.308	0.022	0.648	0.362	0.670		
	LTE Band 41_UAT	Front	0.210	0.069	0.036	0.279	0.246	0.315		
		Back	0.268	1.082	0.042	1.350	0.310	1.392		
		Left side	0.631	0.065	0.006	0.586	0.527	0.592		
		Right side	0.012	0.662	0.018	0.674	0.030	0.692		
		Top side	0.240	0.308	0.022	0.548	0.262	0.570		
	LTE Band 48_UAT	Front	0.378	0.069	0.036	0.447	0.414	0.483		
		Back	0.293	1.082	0.042	1.375	0.335	1.417		
		Left side	0.287	0.065	0.006	0.352	0.293	0.358		
		Right side	0.099	0.662	0.018	0.761	0.117	0.779		
		Top side	0.220	0.308	0.022	0.528	0.242	0.550		
	LTE Band 66_UAT	Front	0.285	0.069	0.036	0.354	0.321	0.390		
		Back	0.322	1.082	0.042	1.404	0.364	1.446		
		Left side	0.213	0.065	0.006	0.278	0.219	0.284		
		Right side	0.001	0.662	0.018	0.663	0.019	0.681		
		Top side	0.484	0.308	0.022	0.792	0.506	0.814		
	LTE Band 71_UAT	Front	0.170	0.069	0.036	0.239	0.206	0.275		
		Back	0.285	1.082	0.042	1.367	0.327	1.409		
		Left side	0.335	0.065	0.006	0.400	0.341	0.406		
		Right side	0.050	0.662	0.018	0.712	0.068	0.730		
		Top side	0.007	0.308	0.022	0.315	0.029	0.337		



WWAN Band		Exposure Position	1	2	3	4	1+2	1+3	1+4	1+3+4	SPLSR	Case No
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth Ant 1	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
GSM	GSM850_LAT	Front	0.157	0.280	0.069	0.036	0.437	0.226	0.193	0.262		
		Back	0.172	0.473	1.082	0.042	0.645	1.254	0.214	1.296		
		Left side	0.116	0.013	0.065	0.006	0.129	0.181	0.122	0.187		
		Right side	0.113	0.193	0.662	0.018	0.306	0.775	0.131	0.793		
		Bottom side	0.148				0.148	0.148	0.148	0.148		
	GSM1900_LAT	Front	0.530	0.280	0.069	0.036	0.810	0.599	0.566	0.635		
		Back	0.580	0.473	1.082	0.042	1.053	1.662	0.622	1.704	0.02	31
		Left side	0.183	0.013	0.065	0.006	0.196	0.248	0.189	0.254		
		Right side	0.101	0.193	0.662	0.018	0.294	0.763	0.119	0.781		
		Bottom side	1.088				1.088	1.088	1.088	1.088		
WCDMA	WCDMA II_LAT	Front	0.719	0.280	0.069	0.036	0.999	0.788	0.755	0.824		
		Back	0.825	0.473	1.082	0.042	1.298	1.907	0.867	1.949	0.02	32
		Left side	0.165	0.013	0.065	0.006	0.178	0.230	0.171	0.236		
		Right side	0.147	0.193	0.662	0.018	0.340	0.809	0.165	0.827		
		Bottom side	1.115				1.115	1.115	1.115	1.115		
	WCDMA IV_LAT	Front	0.721	0.280	0.069	0.036	1.001	0.790	0.757	0.826		
		Back	0.834	0.473	1.082	0.042	1.307	1.916	0.876	1.958	0.02	33
		Left side	0.397	0.013	0.065	0.006	0.410	0.462	0.403	0.468		
		Right side	0.248	0.193	0.662	0.018	0.441	0.910	0.266	0.928		
		Bottom side	1.136				1.136	1.136	1.136	1.136		
	WCDMA V_LAT	Front	0.158	0.280	0.069	0.036	0.438	0.227	0.194	0.263		
		Back	0.175	0.473	1.082	0.042	0.648	1.257	0.217	1.299		
		Left side	0.123	0.013	0.065	0.006	0.136	0.188	0.129	0.194		
		Right side	0.121	0.193	0.662	0.018	0.314	0.783	0.139	0.801		
		Bottom side	0.187				0.187	0.187	0.187	0.187		
CDMA	CDMA2000 BC0_LAT	Front	0.187	0.280	0.069	0.036	0.467	0.256	0.223	0.292		
		Back	0.225	0.473	1.082	0.042	0.698	1.307	0.267	1.349		
		Left side	0.119	0.013	0.065	0.006	0.132	0.184	0.125	0.190		
		Right side	0.134	0.193	0.662	0.018	0.327	0.796	0.152	0.814		
		Bottom side	0.245				0.245	0.245	0.245	0.245		
	CDMA2000 BC1_LAT	Front	0.552	0.280	0.069	0.036	0.832	0.621	0.588	0.657		
		Back	0.737	0.473	1.082	0.042	1.210	1.819	0.779	1.861	0.02	34
		Left side	0.151	0.013	0.065	0.006	0.164	0.216	0.157	0.222		
		Right side	0.102	0.193	0.662	0.018	0.295	0.764	0.120	0.782		
		Bottom side	0.973				0.973	0.973	0.973	0.973		
LTE	LTE Band 5_LAT	Front	0.169	0.280	0.069	0.036	0.449	0.238	0.205	0.274		
		Back	0.201	0.473	1.082	0.042	0.674	1.283	0.243	1.325		
		Left side	0.094	0.013	0.065	0.006	0.107	0.159	0.100	0.165		
		Right side	0.082	0.193	0.662	0.018	0.275	0.744	0.100	0.762		
		Bottom side	0.183				0.183	0.183	0.183	0.183		
	LTE Band 7_LAT	Front	0.337	0.280	0.069	0.036	0.617	0.406	0.373	0.442		
		Back	0.504	0.473	1.082	0.042	0.977	1.586	0.546	1.628	0.01	36
		Left side	0.187	0.013	0.065	0.006	0.200	0.252	0.193	0.258		
		Right side	0.106	0.193	0.662	0.018	0.299	0.768	0.124	0.786		
		Bottom side	0.959				0.959	0.959	0.959	0.959		



WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	SPLSR	Case No
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth Ant 1						
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
LTE	LTE Band 12_LAT	Front	0.198	0.280	0.069	0.036	0.478	0.267	0.234	0.303		
		Back	0.239	0.473	1.082	0.042	0.712	1.321	0.281	1.363		
		Left side	0.149	0.013	0.065	0.006	0.162	0.214	0.155	0.220		
		Right side	0.254	0.193	0.662	0.018	0.447	0.916	0.272	0.934		
		Bottom side	0.104				0.104	0.104	0.104	0.104		
	LTE Band 13_LAT	Front	0.186	0.280	0.069	0.036	0.466	0.255	0.222	0.291		
		Back	0.286	0.473	1.082	0.042	0.759	1.368	0.328	1.410		
		Left side	0.228	0.013	0.065	0.006	0.241	0.293	0.234	0.299		
		Right side	0.138	0.193	0.662	0.018	0.331	0.800	0.156	0.818		
		Bottom side	0.164				0.164	0.164	0.164	0.164		
	LTE Band 25_LAT	Front	0.464	0.280	0.069	0.036	0.744	0.533	0.500	0.569		
		Back	0.705	0.473	1.082	0.042	1.178	1.787	0.747	1.829	0.02	37
		Left side	0.150	0.013	0.065	0.006	0.163	0.215	0.156	0.221		
		Right side	0.128	0.193	0.662	0.018	0.321	0.790	0.146	0.808		
		Bottom side	1.052				1.052	1.052	1.052	1.052		
	LTE Band 26_LAT	Front	0.133	0.280	0.069	0.036	0.413	0.202	0.169	0.238		
		Back	0.182	0.473	1.082	0.042	0.655	1.264	0.224	1.306		
		Left side	0.131	0.013	0.065	0.006	0.144	0.196	0.137	0.202		
		Right side	0.082	0.193	0.662	0.018	0.275	0.744	0.100	0.762		
		Bottom side	0.158				0.158	0.158	0.158	0.158		
	LTE Band 30_LAT	Front	0.854	0.280	0.069	0.036	1.134	0.923	0.890	0.959		
		Back	0.986	0.473	1.082	0.042	1.459	2.068	1.028	2.110	0.02	38
		Left side	0.250	0.013	0.065	0.006	0.263	0.315	0.256	0.321		
		Right side	0.144	0.193	0.662	0.018	0.337	0.806	0.162	0.824		
		Bottom side	1.193				1.193	1.193	1.193	1.193		
	LTE Band 41_LAT	Front	0.225	0.280	0.069	0.036	0.505	0.294	0.261	0.330		
		Back	0.494	0.473	1.082	0.042	0.967	1.576	0.536	1.618	0.01	39
		Left side	0.070	0.013	0.065	0.006	0.083	0.135	0.076	0.141		
		Right side	0.046	0.193	0.662	0.018	0.239	0.708	0.064	0.726		
		Bottom side	0.971				0.971	0.971	0.971	0.971		
	LTE Band 66_LAT	Front	0.432	0.280	0.069	0.036	0.712	0.501	0.468	0.537		
		Back	0.542	0.473	1.082	0.042	1.015	1.624	0.584	1.666	0.01	40
		Left side	0.142	0.013	0.065	0.006	0.155	0.207	0.148	0.213		
		Right side	0.183	0.193	0.662	0.018	0.376	0.845	0.201	0.863		
		Bottom side	1.187				1.187	1.187	1.187	1.187		
	LTE Band 71_LAT	Front	0.160	0.280	0.069	0.036	0.440	0.229	0.196	0.265		
		Back	0.258	0.473	1.082	0.042	0.731	1.340	0.300	1.382		
		Left side	0.131	0.013	0.065	0.006	0.144	0.196	0.137	0.202		
		Right side	0.127	0.193	0.662	0.018	0.320	0.789	0.145	0.807		
		Bottom side	0.077				0.077	0.077	0.077	0.077		



14.3 Body-Worn Accessory Exposure Conditions

WWAN Band		Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 1+2	
			1g SAR (W/kg)	1g SAR (W/kg)	
GSM	GSM850_UAT	Front	0.392	0.148	0.540
		Back	0.561	0.266	0.827
	GSM1900_UAT	Front	0.178	0.148	0.326
		Back	0.207	0.266	0.473
WCDMA	WCDMA II_UAT	Front	0.296	0.148	0.444
		Back	0.449	0.266	0.715
	WCDMA IV_UAT	Front	0.292	0.148	0.440
		Back	0.378	0.266	0.644
	WCDMA V_UAT	Front	0.221	0.148	0.369
		Back	0.176	0.266	0.442
CDMA	CDMA2000 BC0_UAT	Front	0.368	0.148	0.516
		Back	0.648	0.266	0.914
	CDMA2000 BC1_UAT	Front	0.307	0.148	0.455
		Back	0.155	0.266	0.421
LTE	LTE Band 5_UAT	Front	0.384	0.148	0.532
		Back	0.603	0.266	0.869
	LTE Band 7_UAT	Front	0.278	0.148	0.426
		Back	0.354	0.266	0.620
	LTE Band 12_UAT	Front	0.325	0.148	0.473
		Back	0.531	0.266	0.797
	LTE Band 13_UAT	Front	0.445	0.148	0.593
		Back	0.622	0.266	0.888
	LTE Band 25_UAT	Front	0.278	0.148	0.426
		Back	0.331	0.266	0.597
	LTE Band 26_UAT	Front	0.325	0.148	0.473
		Back	0.522	0.266	0.788
	LTE Band 30_UAT	Front	0.293	0.148	0.441
		Back	0.281	0.266	0.547
	LTE Band 41_UAT	Front	0.076	0.148	0.224
		Back	0.229	0.266	0.461
	LTE Band 48_UAT	Front	0.381	0.148	0.529
		Back	0.339	0.266	0.605
	LTE Band 66_UAT	Front	0.265	0.148	0.413
		Back	0.310	0.266	0.576
	LTE Band 71_UAT	Front	0.235	0.148	0.383
		Back	0.361	0.266	0.627

WWAN Band		Exposure Position	1	3	4	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
			WWAN	5GHz WLAN Ant 1+2	Bluetooth Ant 1			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
GSM	GSM850_UAT	Front	0.392	0.062	0.011	0.454	0.403	0.465
		Back	0.561	0.693	0.020	1.254	0.581	1.274
	GSM1900_UAT	Front	0.178	0.062	0.011	0.240	0.189	0.251
		Back	0.207	0.693	0.020	0.900	0.227	0.920
WCDMA	WCDMA II_UAT	Front	0.296	0.062	0.011	0.358	0.307	0.369
		Back	0.449	0.693	0.020	1.142	0.469	1.162
	WCDMA IV_UAT	Front	0.292	0.062	0.011	0.354	0.303	0.365
		Back	0.378	0.693	0.020	1.071	0.398	1.091
	WCDMA V_UAT	Front	0.221	0.062	0.011	0.283	0.232	0.294
		Back	0.176	0.693	0.020	0.869	0.196	0.889
CDMA	CDMA2000 BC0_UAT	Front	0.368	0.062	0.011	0.430	0.379	0.441
		Back	0.648	0.693	0.020	1.341	0.668	1.361
	CDMA2000 BC1_UAT	Front	0.307	0.062	0.011	0.369	0.318	0.380
		Back	0.155	0.693	0.020	0.848	0.175	0.868
LTE	LTE Band 5_UAT	Front	0.384	0.062	0.011	0.446	0.395	0.457
		Back	0.603	0.693	0.020	1.296	0.623	1.316
	LTE Band 7_UAT	Front	0.278	0.062	0.011	0.340	0.289	0.351
		Back	0.354	0.693	0.020	1.047	0.374	1.067
	LTE Band 12_UAT	Front	0.325	0.062	0.011	0.387	0.336	0.398
		Back	0.531	0.693	0.020	1.224	0.551	1.244
	LTE Band 13_UAT	Front	0.445	0.062	0.011	0.507	0.456	0.518
		Back	0.622	0.693	0.020	1.315	0.642	1.335
	LTE Band 25_UAT	Front	0.278	0.062	0.011	0.340	0.289	0.351
		Back	0.331	0.693	0.020	1.024	0.351	1.044
	LTE Band 26_UAT	Front	0.325	0.062	0.011	0.387	0.336	0.398
		Back	0.522	0.693	0.020	1.215	0.542	1.235
	LTE Band 30_UAT	Front	0.293	0.062	0.011	0.355	0.304	0.366
		Back	0.281	0.693	0.020	0.974	0.301	0.994
	LTE Band 41_UAT	Front	0.076	0.062	0.011	0.138	0.087	0.149
		Back	0.229	0.693	0.020	0.888	0.215	0.908
	LTE Band 48_UAT	Front	0.381	0.062	0.011	0.443	0.392	0.454
		Back	0.339	0.693	0.020	1.032	0.359	1.052
	LTE Band 66_UAT	Front	0.265	0.062	0.011	0.327	0.276	0.338
		Back	0.310	0.693	0.020	1.003	0.330	1.023
	LTE Band 71_UAT	Front	0.235	0.062	0.011	0.297	0.246	0.308
		Back	0.361	0.693	0.020	1.054	0.381	1.074

WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth Ant 1				
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
GSM	GSM850_LAT	Front	0.212	0.148	0.062	0.011	0.360	0.274	0.223	0.285
		Back	0.172	0.266	0.693	0.020	0.438	0.865	0.192	0.885
	GSM1900_LAT	Front	0.146	0.148	0.062	0.011	0.294	0.208	0.157	0.219
		Back	0.284	0.266	0.693	0.020	0.550	0.977	0.304	0.997
WCDMA	WCDMA II_LAT	Front	0.514	0.148	0.062	0.011	0.662	0.576	0.525	0.587
		Back	0.585	0.266	0.693	0.020	0.851	1.278	0.605	1.298
	WCDMA IV_LAT	Front	0.371	0.148	0.062	0.011	0.519	0.433	0.382	0.444
		Back	0.508	0.266	0.693	0.020	0.774	1.201	0.528	1.221
	WCDMA V_LAT	Front	0.330	0.148	0.062	0.011	0.478	0.392	0.341	0.403
		Back	0.524	0.266	0.693	0.020	0.790	1.217	0.544	1.237
CDMA	CDMA2000 BC0_LAT	Front	0.193	0.148	0.062	0.011	0.341	0.255	0.204	0.266
		Back	0.218	0.266	0.693	0.020	0.484	0.911	0.238	0.931
	CDMA2000 BC1_LAT	Front	0.533	0.148	0.062	0.011	0.681	0.595	0.544	0.606
		Back	0.562	0.266	0.693	0.020	0.828	1.255	0.582	1.275
LTE	LTE Band 2_LAT	Front	0.401	0.148	0.062	0.011	0.549	0.463	0.412	0.474
		Back	0.543	0.266	0.693	0.020	0.809	1.236	0.563	1.256
	LTE Band 5_LAT	Front	0.198	0.148	0.062	0.011	0.346	0.260	0.209	0.271
		Back	0.189	0.266	0.693	0.020	0.455	0.882	0.209	0.902
	LTE Band 7_LAT	Front	0.226	0.148	0.062	0.011	0.374	0.288	0.237	0.299
		Back	0.288	0.266	0.693	0.020	0.554	0.981	0.308	1.001
	LTE Band 12_LAT	Front	0.186	0.148	0.062	0.011	0.334	0.248	0.197	0.259
		Back	0.238	0.266	0.693	0.020	0.504	0.931	0.258	0.951
	LTE Band 13_LAT	Front	0.212	0.148	0.062	0.011	0.360	0.274	0.223	0.285
		Back	0.245	0.266	0.693	0.020	0.511	0.938	0.265	0.958
	LTE Band 25_LAT	Front	0.418	0.148	0.062	0.011	0.566	0.480	0.429	0.491
		Back	0.472	0.266	0.693	0.020	0.738	1.165	0.492	1.185
	LTE Band 26_LAT	Front	0.182	0.148	0.062	0.011	0.330	0.244	0.193	0.255
		Back	0.110	0.266	0.693	0.020	0.376	0.803	0.130	0.823
	LTE Band 30_LAT	Front	0.331	0.148	0.062	0.011	0.479	0.393	0.342	0.404
		Back	0.338	0.266	0.693	0.020	0.604	1.031	0.358	1.051
	LTE Band 41_LAT	Front	0.120	0.148	0.062	0.011	0.268	0.182	0.131	0.193
		Back	0.266	0.266	0.693	0.020	0.532	0.959	0.286	0.979
	LTE Band 66_LAT	Front	0.439	0.148	0.062	0.011	0.587	0.501	0.450	0.512
		Back	0.475	0.266	0.693	0.020	0.741	1.168	0.495	1.188
	LTE Band 71_LAT	Front	0.133	0.148	0.062	0.011	0.281	0.195	0.144	0.206
		Back	0.164	0.266	0.693	0.020	0.430	0.857	0.184	0.877

14.4 Product Specific Exposure Conditions

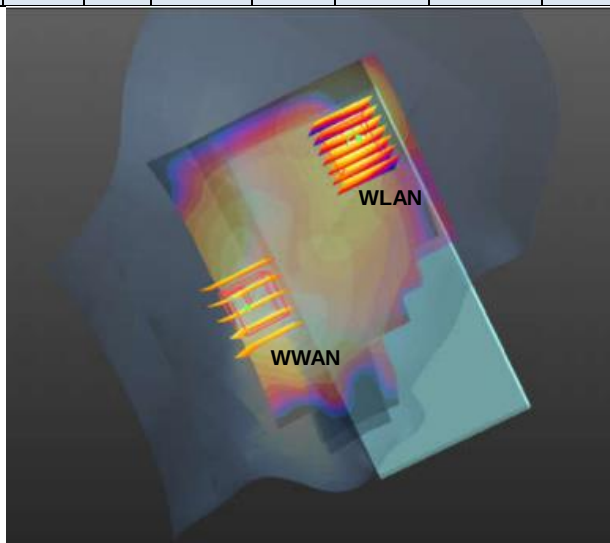
WWAN Band		Exposure Position	1	2	1+2 Summed 10g SAR (W/kg)	SPLSR	Case No
			WWAN	5GHz WLAN Ant 1+2			
			10g SAR (W/kg)	10g SAR (W/kg)			
WCDMA	WCDMA IV_LAT	Front		0.194	0.194		
		Back		2.830	2.830		
		Left side		0.032	0.032		
		Right side		0.630	0.630		
		Top side		0.404	0.404		
		Bottom side	2.906		2.906		
	WCDMA II_LAT	Front	1.678	0.194	1.872		
		Back	2.632	2.830	5.462	0.09	41
		Left side		0.032	0.032		
		Right side		0.630	0.630		
		Top side		0.404	0.404		
		Bottom side	2.654		2.654		
CDMA	CDMA2000 BC1_LAT	Front		0.194	0.194		
		Back	2.969	2.830	5.799	0.09	42
		Left side		0.032	0.032		
		Right side		0.630	0.630		
		Top side		0.404	0.404		
		Bottom side	2.708		2.708		
LTE	LTE Band 66_LAT	Front		0.194	0.194		
		Back		2.830	2.830		
		Left side		0.032	0.032		
		Right side		0.630	0.630		
		Top side		0.404	0.404		
		Bottom side	2.970		2.970		
	LTE Band 25_LAT	Front		0.194	0.194		
		Back		2.830	2.830		
		Left side		0.032	0.032		
		Right side		0.630	0.630		
		Top side		0.404	0.404		
		Bottom side	2.894		2.894		
	LTE Band 7_LAT	Front		0.194	0.194		
		Back		2.830	2.830		
		Left side		0.032	0.032		
		Right side		0.630	0.630		
		Top side		0.404	0.404		
		Bottom side	2.347		2.347		

14.5 SPLSR Evaluation and Analysis

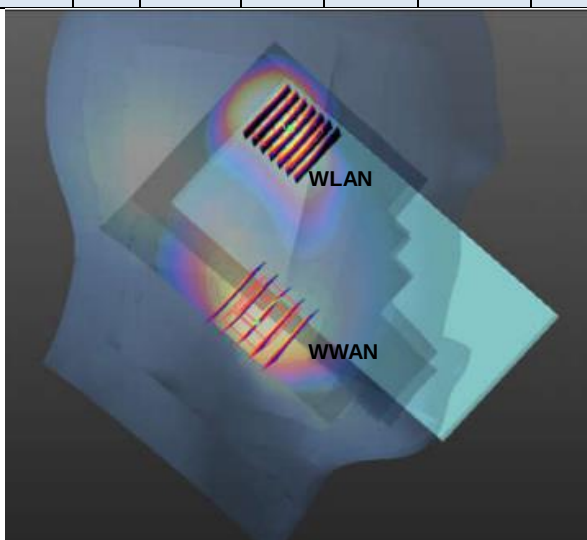
General Note:

1. $SPLSR = (SAR_1 + SAR_2)^{1.5} / (min. \text{ separation distance, mm})$. If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary
2. Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneously transmitting antenna. When the sum of 1-g or 10-g SAR of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit, SAR test exclusion applies to that simultaneous transmission configuration. Therefore, the adjacent transmit antennas will be summed first, and then the SPLSR calculation will be evaluated with the farther transmitted antennas

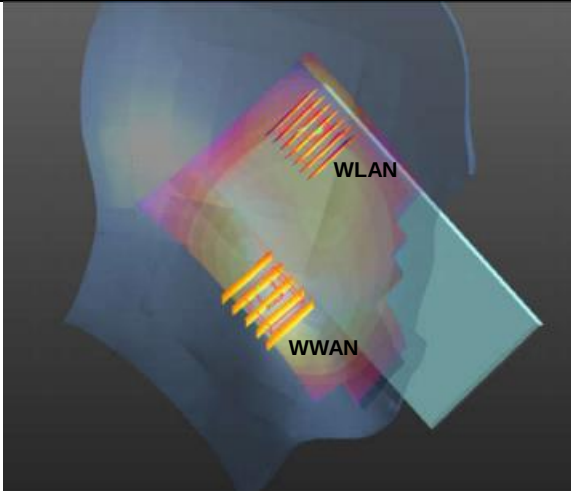
Case 1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM850	Left Cheek	0.826	0	0.0289	0.227	-0.171	98.1	1.75	0.02	Not required
	WLAN2.4GHz		0.923	0	0.033	0.325	-0.171				



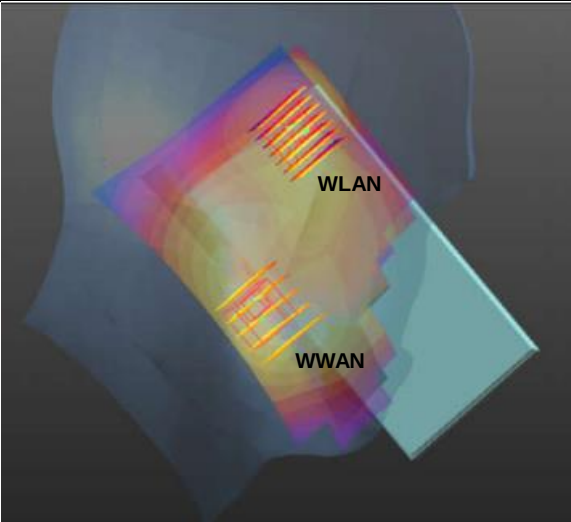
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA V	Left Cheek	0.803	0	0.0438	0.24	-0.169	85.7	1.73	0.03	Not required
	WLAN2.4GHz		0.923	0	0.033	0.325	-0.171				



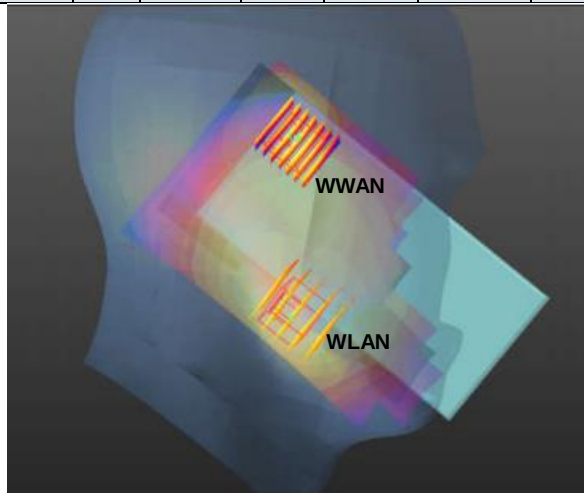
Case 3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Left Cheek	0.925	0	0.0326	0.236	-0.166	89.1	1.85	0.03	Not required
	WLAN2.4GHz		0.923	0	0.033	0.325	-0.171				



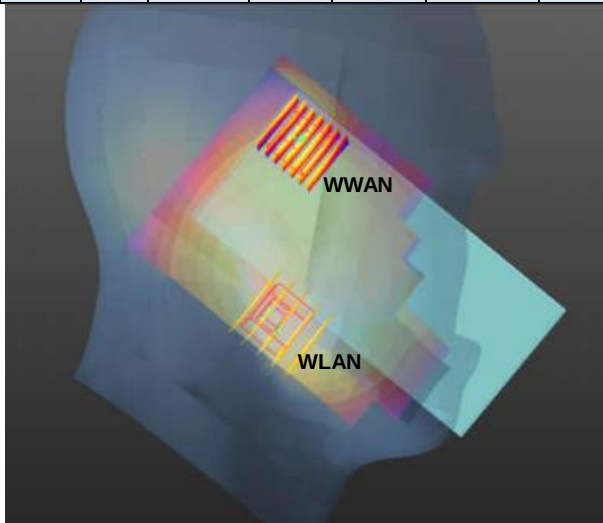
Case 5	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 12	Left Cheek	0.72	0	0.0402	0.238	-0.17	87.3	1.64	0.02	Not required
	WLAN2.4GHz		0.923	0	0.033	0.325	-0.171				



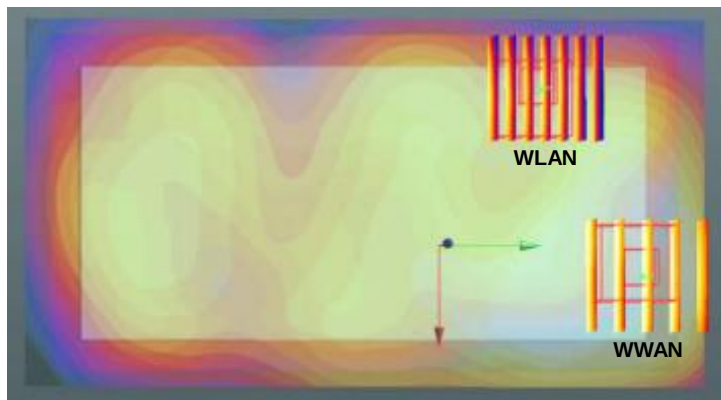
Case 7	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26	Left Cheek	0.885	0	0.0408	0.238	-0.17	87.4	1.81	0.03	Not required
	WLAN2.4GHz		0.923	0	0.033	0.325	-0.171				



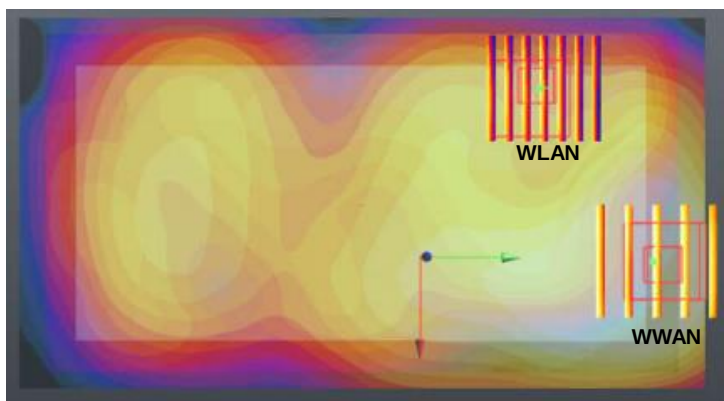
Case 8	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 71	Left Cheek	1.035	0	0.0335	0.238	-0.166	87.1	1.96	0.03	Not required
	WLAN2.4GHz		0.923	0	0.033	0.325	-0.171				



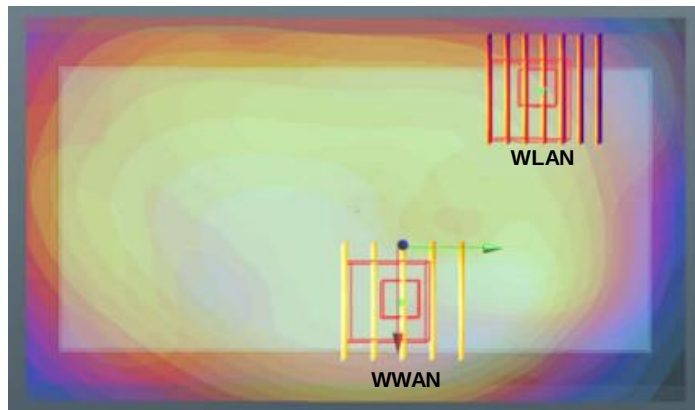
Case 9	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA II	Back	1.127	10	X	Y	Z	60.8	1.60	0.03	Not required
	WLAN2.4GHz		0.473	10	-0.0494	0.0504	-0.206				



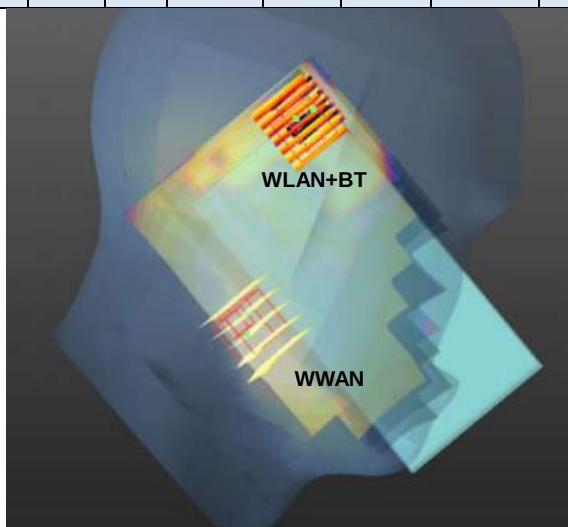
Case 10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV	Back	1.186	10	X	Y	Z	58.5	1.66	0.04	Not required
	WLAN2.4GHz		0.473	10	-0.0494	0.0504	-0.206				



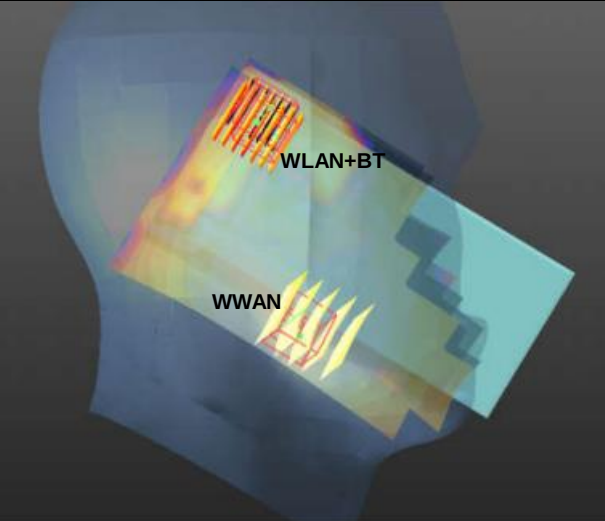
Case 12	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Back	1.144	10	0.0085	0.012	-0.205	69.5	1.62	0.03	Not required
	WLAN2.4GHz		0.473	10	-0.0494	0.0504	-0.206				



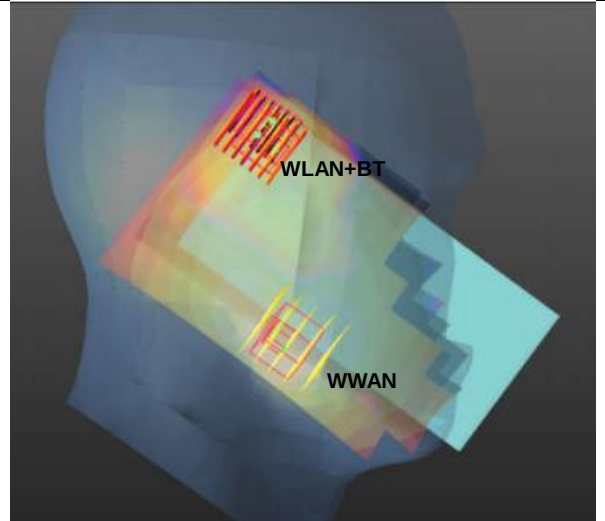
Case 13	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM850	Left Cheek	1.077	0	0.0321	0.234	-0.17	92.1	1.95	0.03	Not required
	Bluetooth+WLAN5GHz		0.875	0	0.0339	0.326	-0.173				



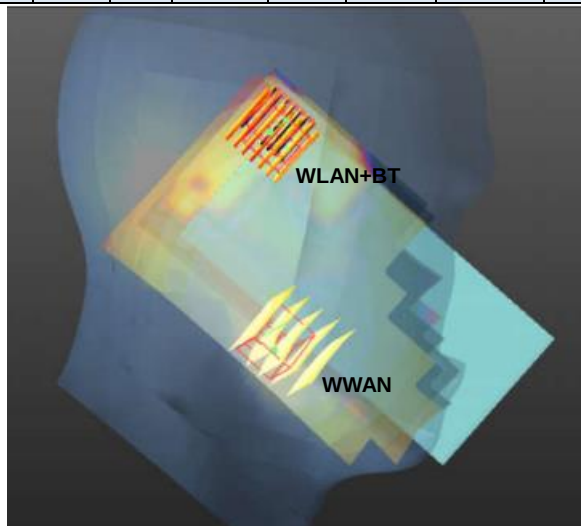
Case 14	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V	Left Cheek	1.073	0	0.0402	0.236	-0.169	90.3	1.95	0.03	Not required
	Bluetooth+WLAN5GHz		0.875	0	0.0339	0.326	-0.173				



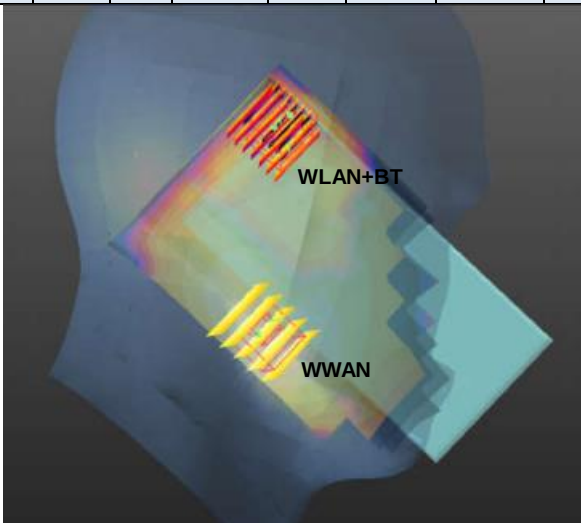
Case 16	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 5	Left Cheek	1.02	0	0.0409	0.238	-0.17	88.3	1.90	0.03	Not required
	Bluetooth+WLAN5GHz		0.875	0	0.0339	0.326	-0.173				



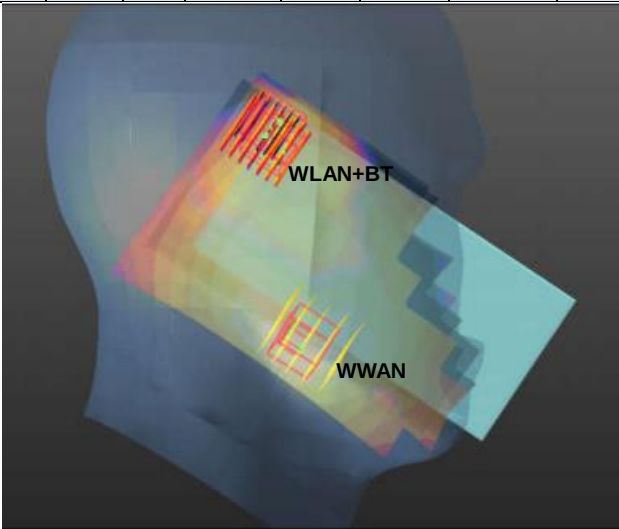
Case 17	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 12	Left Cheek	0.89	0	0.0403	0.236	-0.169	90.3	1.77	0.03	Not required
	Bluetooth+WLAN5GHz		0.875	0	0.0339	0.326	-0.173				



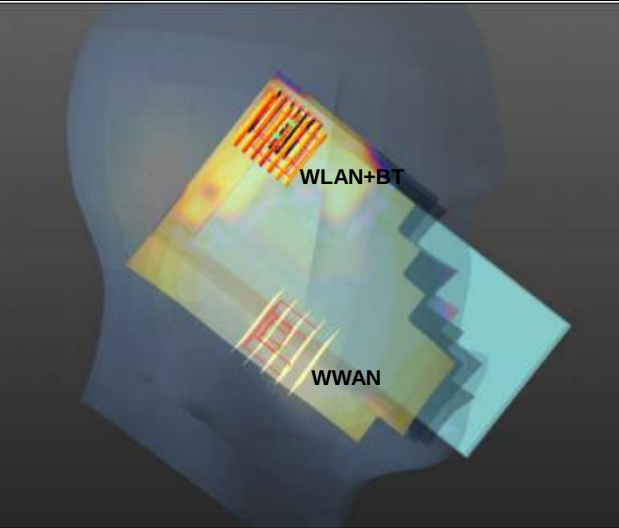
Case 18	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 13	Left Cheek	0.911	0	0.0435	0.242	-0.169	84.6	1.79	0.03	Not required
	Bluetooth+WLAN5GHz		0.875	0	0.0339	0.326	-0.173				



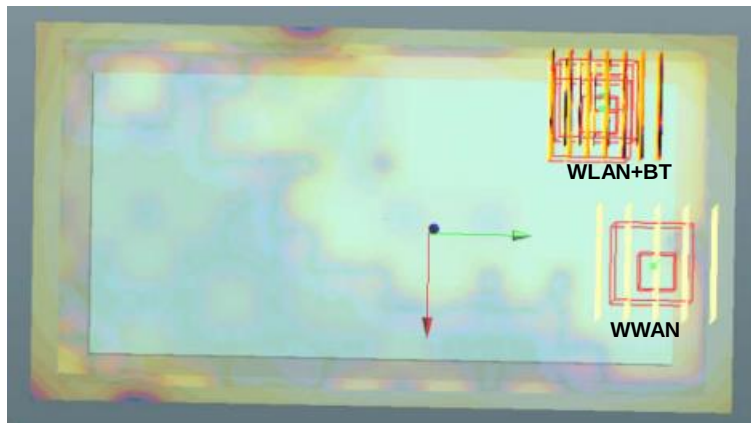
Case 20	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 26				X	Y	Z				
	Bluetooth+WLAN5GHz		0.885	0	0.0408	0.238	-0.17	88.3	1.76	0.03	Not required
			0.875	0	0.0339	0.326	-0.173				



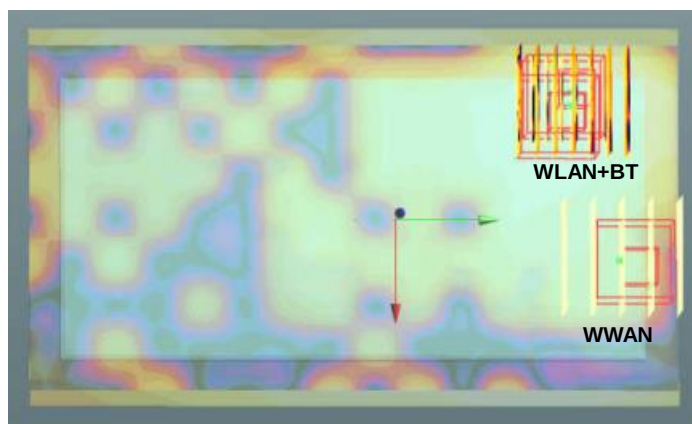
Case 21	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 71				X	Y	Z				
	Bluetooth+WLAN5GHz		1.035	0	0.0335	0.238	-0.166	88.3	1.91	0.03	Not required
			0.875	0	0.0339	0.326	-0.173				



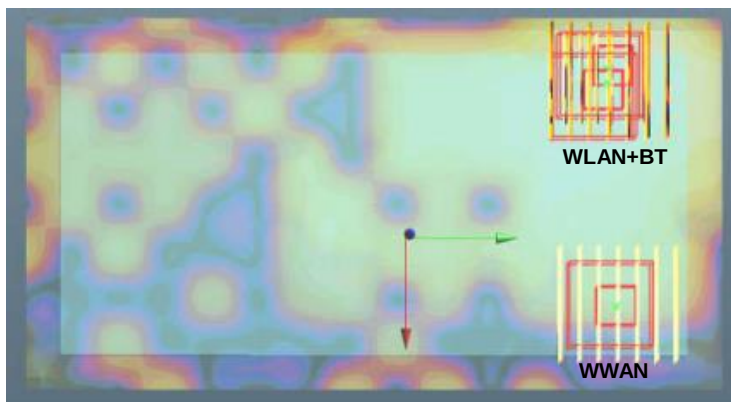
Case 23	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM1900				-0.005	0.075	-0.206				
	Bluetooth+WLAN5GHz	Back	1.124	10	-0.0482	0.06	-0.206	45.7	1.66	0.04	Not required



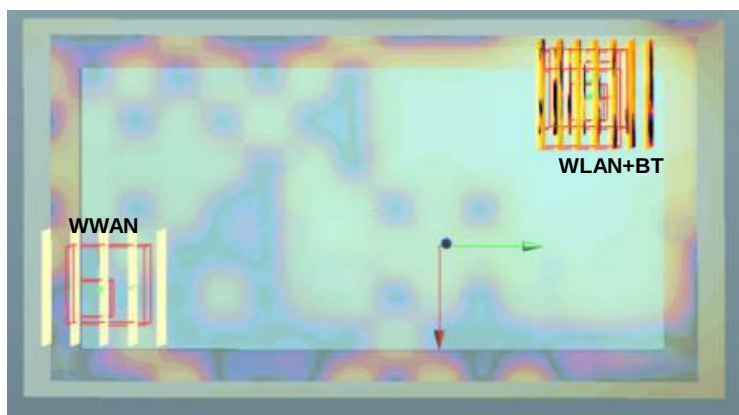
Case 28	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 25				0.003	0.0815	-0.203				
	Bluetooth+WLAN5GHz	Back	1.124	10	-0.0482	0.06	-0.206	59.8	1.69	0.04	Not required



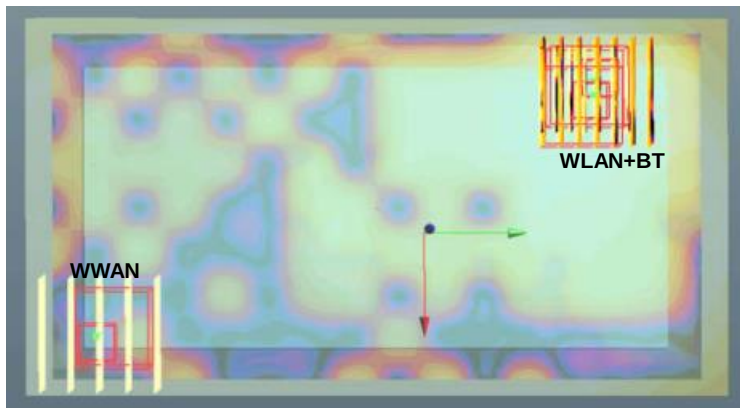
Case 30	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 30				X	Y	Z				
	Bluetooth+WLAN5GHz				-0.0482	0.06	-0.206				



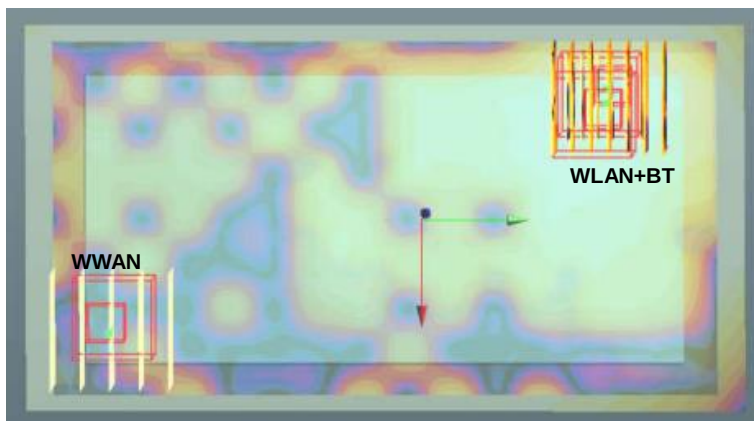
Case 31	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900				X	Y	Z				
	Bluetooth+WLAN5GHz				-0.0482	0.06	-0.206				



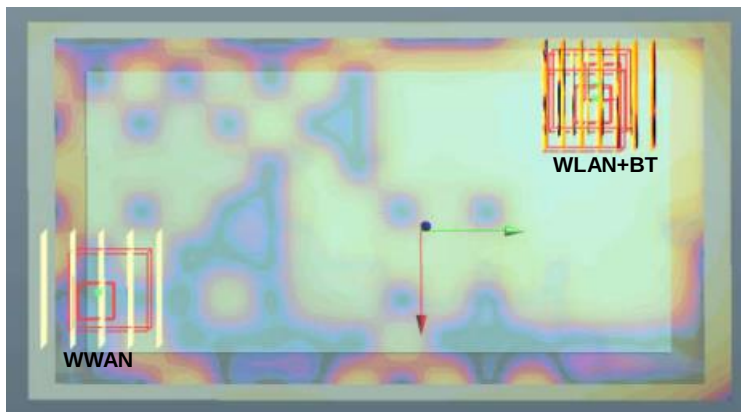
Case 32	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA II				X	Y	Z				
	Bluetooth+WLAN5GHz										
		Back	0.825	10	0.019	-0.078	-0.206	156.5	1.95	0.02	Not required
			1.124	10	-0.0482	0.06	-0.206				



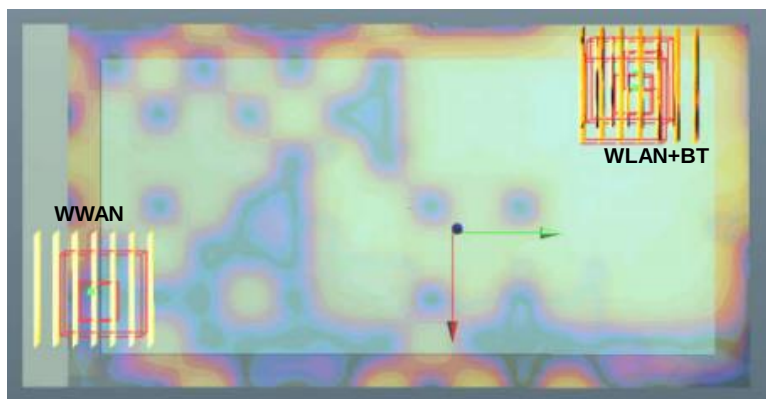
Case 33	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV				X	Y	Z				
	Bluetooth+WLAN5GHz										
		Back	0.834	10	0.0145	-0.075	-0.206	151.8	1.96	0.02	Not required
			1.124	10	-0.0482	0.06	-0.206				



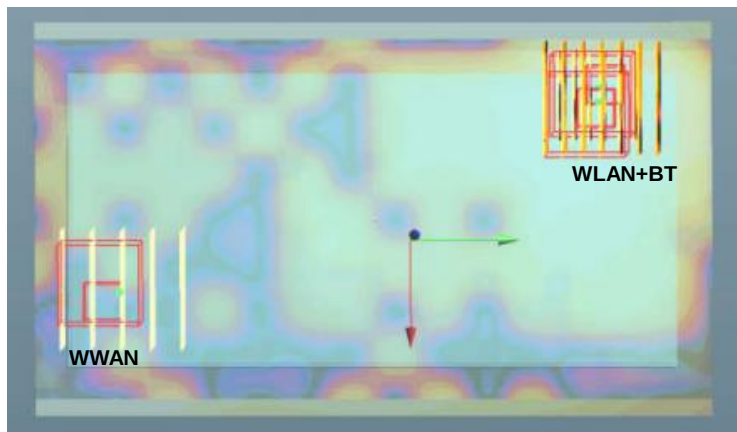
Case 34	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA2000 BC1				X	Y	Z				
	Bluetooth+WLAN5GHz				-0.0482	0.06	-0.206				



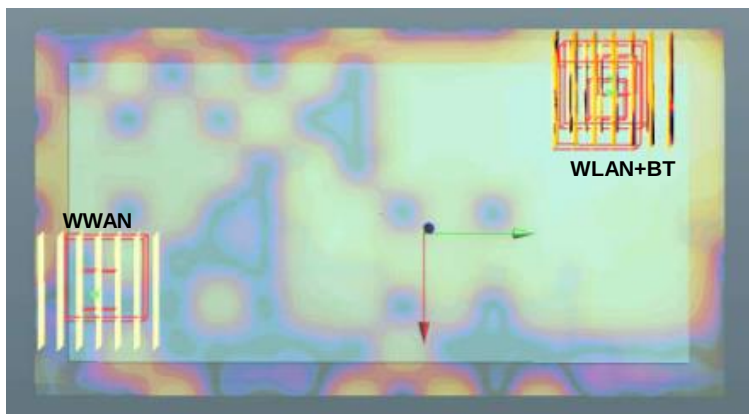
Case 36	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 7				X	Y	Z				
	Bluetooth+WLAN5GHz				-0.0482	0.06	-0.206				



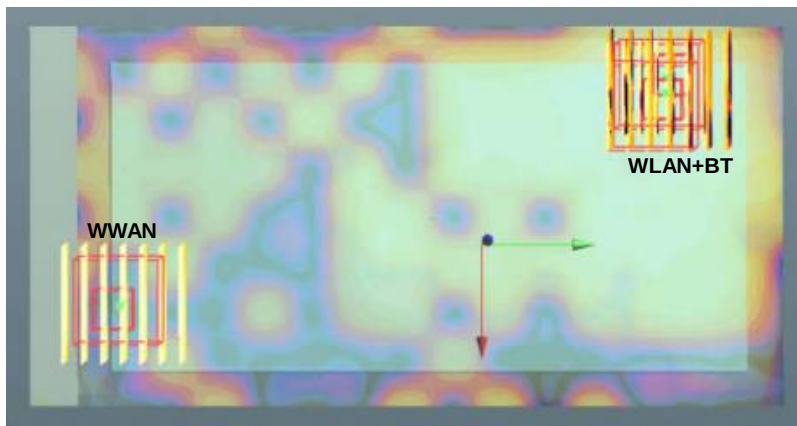
Case 37	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 25				X	Y	Z				
	Bluetooth+WLAN5GHz				X	Y	Z				



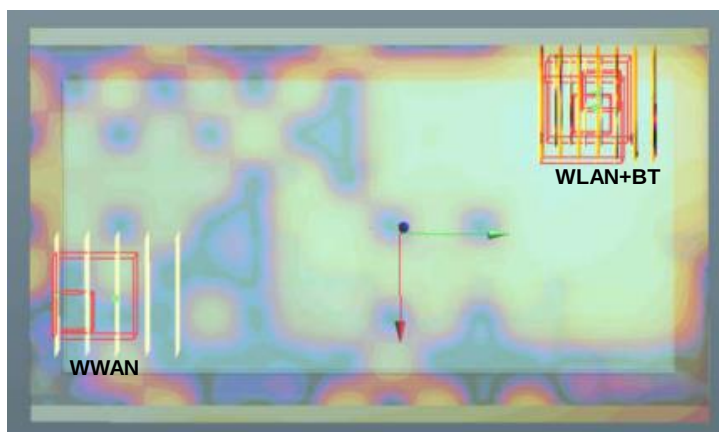
Case 38	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 30				X	Y	Z				
	Bluetooth+WLAN5GHz				X	Y	Z				



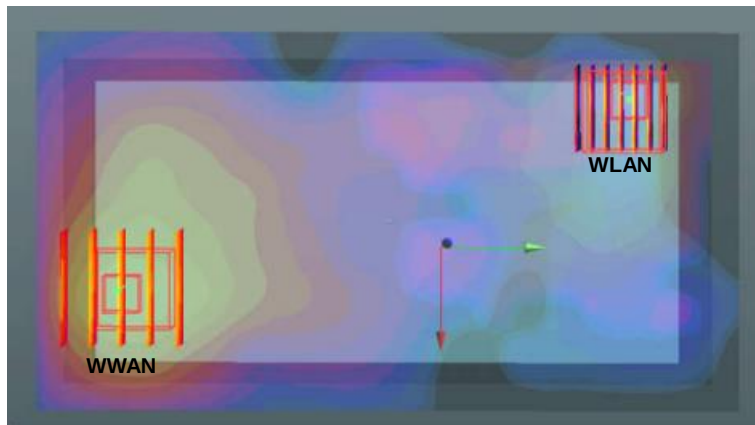
Case 39	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 41				X	Y	Z				
	Bluetooth+WLAN5GHz				-0.0482	0.06	-0.206				



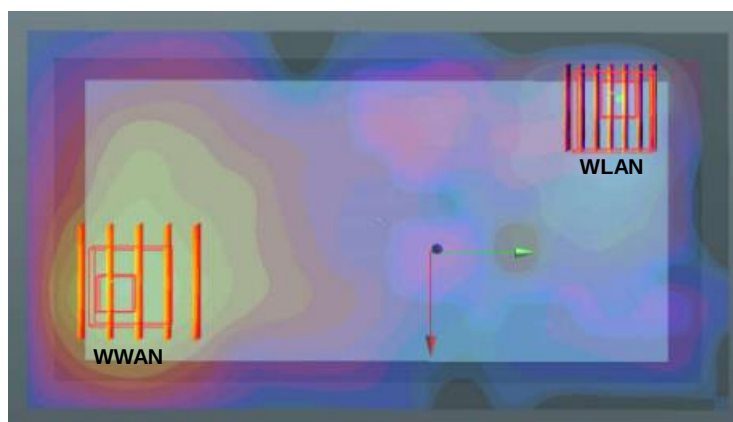
Case 40	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 66				X	Y	Z				
	Bluetooth+WLAN5GHz				-0.0482	0.06	-0.206				



Case 41	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed 10g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA II	Back	2.632	0mm	0.0025	-0.075	-0.206	149.3	5.46	0.09	Not required
	WLAN5GHz		2.83	0mm	-0.052	0.064	-0.206				



Case 42	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed 10g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Back	2.969	0mm	0.001	-0.0755	-0.206	149.2	5.80	0.09	Not required
	WLAN5GHz		2.83	0mm	-0.052	0.064	-0.206				



15. Supplemental tuner tests results

General Note:

1. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
2. To evaluate all of the tuner states, the 144 tuner states are divided evenly among band for WWAN UAT/LAT for GSM850, UMTS B5, CDMA BC0 and LTE B5/B12/B13/B26/B71, the 96 tuner states are divided evenly among band for WWAN LAT for GSM1900, UMTS B2/B4, CDMA BC1 and LTE B2/B4/B7/B25/B38/B41/B66, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
3. The device supports LTE B12/B17, B38/B41 and B4/B66. Since the supported frequency span for LTE B17/B38/B4 falls completely within the supported frequency span for LTE B12/B26, and both bands have the same target power and both LTE bands share the same transmission path, therefore standalone SAR was only assessed for LTE B12/B25/B41. The single point SAR time-sweep measurements were treated independently for each supported ACL frequency band. For the LTE B17/B4/B38 single point SAR measurement selected the highest measured SAR configuration and exposure condition of LTE B12/B25/B41. And the number of required single point measurements at least 11 applies to the band.
4. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
5. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

15.1 Supplemental Head SAR results

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Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										0	9	18	27	36	45	54	63	72	81	90	99 (B4)	108 (4B)	
GSM850	Reduc Power 1 or 5G	GPRS(3 Tx slot)	189	836.4	N/A	N/A	Left Cheek	0 mm	0.938	0.746	0.836	0.6	0.119	0	0.222	0.407	0.066	0	0.381	0.317	0.03	0.01	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										1	10	19	28	37	46	55	64	73	82	91	100 (78)	109 (2D)	
WCDMA V	Full Power or 5G	RMC 12.2kbps	4182	836.4	N/A	N/A	Left Cheek	0 mm	0.901	0	0.61	0.69	0.117	0	0.277	0.382	0.153	0	0.418	0.505	0.02	0.021	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										2	11	20	29	38	47	56	65	74	83	92	101 (C3)	110 (1E)	
CDMA BC0	Full Power	RC3+S055	384	836.52	N/A	N/A	Left Cheek	0 mm	0.899	0.077	0.797	0.886	0.06	0.043	0.292	0.5	0.261	0.044	0.431	0.61	0.156	0.06	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										3	12	21	30	39	48	57	66	75	84	93	102 (A5)	111 (F)	
LTE Band 5	Full Power or 5G	10M_QPSK	20525	836.5	25RB	12Offset	Left Cheek	0 mm	0.81	0.085	0	0.358	0.179	0.052	0	0	0.634	0.047	0	0.177	0.6	0.062	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										4	13	22	31	40	49	58	67	76	85	94	103 (69)		
LTE Band 12	Full Power or 5G	10M_QPSK	23095	707.5	1RB	49Offset	Left Cheek	0 mm	0.727	0.077	0.075	0.038	0.039	0.037	0.043	0.037	0.04	0.037	0.038	0.03	0.047		
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										5	14	23	32	41	50	59	68	77	86	95	104 (96)		
LTE Band 13	Reduc Power 1 or 5G	10M_QPSK	23230	782	25RB	12Offset	Left Cheek	0 mm	0.774	0.086	0	0.642	0.605	0.298	0.131	0.622	0.384	0.276	0.066	0.198	0.1		
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										6	15	24	33	42	51	60	69	78	87	96 (F0)	105 (5A)		
LTE Band 17	Full Power	10M_QPSK	23790	710	1RB	0Offset	Left Cheek	0 mm	0.508	0.057	0.056	0.058	0.056	0.057	0.057	0.06	0.061	0.058	0.062	0.013	0.056		
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										7	16	25	34	43	52	61	70	79	88	97 (E1)	106 (3C)		

LTE Band 26	Full Power	15M_QPSK	26965	841.5	1RB	0Offset	Left Cheek	0 mm	0.687	0.341	0.263	0.282	0.37	0.262	0.25	0.3	0.33	0.26	0.27	0.17	0.31	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)												
										8	17	26	35	44	53	62	71	80	89	98 (D2)	107 (87)	
LTE Band 71	Full Power	20M_QPSK	133322	683	1RB	0Offset	Left Cheek	0 mm	0.899	0.054	0.032	0.571	0.575	0.254	0.251	0.604	0.344	0.201	0.016	0.125	0.123	

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Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										0	9	18	27	36	45	54	63	72	81	90	99 (B4)	108 (4B)	42
GSM850	Full Power	GPRS(4 Tx slot)	128	824.2	N/A	N/A	Left Cheek	0 mm	0.173	0.108	0.113	0.128	0.112	0.112	0.094	0.113	0.115	0.102	0.099	0.102	0.036	0.095	0.035
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										1	10	19	28	37	46	55	64	73	82	91	100 (78)	109 (2D)	51
WCDMA V	Full Power	RMC 12.2Kbps	4233	846.6	N/A	N/A	Left Cheek	0 mm	0.19	0.162	0.156	0.163	0.15	0.162	0.164	0.165	0.166	0.154	0.145	0.167	0.165	0.155	0.123
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										2	11	20	29	38	47	56	65	74	83	92	101 (C3)	110 (1E)	60
CDMA BC0	Full Power	RC3+SO55	1013	824.7	N/A	N/A	Left Cheek	0 mm	0.148	0.134	0.131	0.133	0.104	0.132	0.134	0.135	0.136	0.143	0.141	0.146	0.056	0.035	0.034
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										3	12	21	30	39	48	57	66	75	84	93	102 (A5)	111 (F)	69
LTE Band 5	Full Power	10M_QPSK	20525	836.5	1RB	0Offset	Left Cheek	0 mm	0.146	0.138	0.143	0.119	0.117	0.123	0.127	0.124	0.139	0.113	0.113	0.109	0.06	0.065	0.02
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										4	13	22	31	40	49	58	67	76	85	94	103 (69)	6	78
LTE Band 12	Full Power	10M_QPSK	23095	707.5	1RB	49Offset	Left Cheek	0 mm	0.133	0.003	0.005	0.013	0.015	0.004	0.01	0.011	0.014	0.02	0.017	0.033	0.005	0.032	0.031
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										5	14	23	32	41	50	59	68	77	86	95	104 (96)	15	87
LTE Band 13	Full Power	10M_QPSK	23230	782	1RB	25Offset	Left Cheek	0 mm	0.101	0.092	0.089	0.083	0.081	0.084	0.093	0.099	0.082	0.087	0.099	0.096	0.07	0.013	0.011
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										7	16	25	34	43	52	61	70	79	88	97 (E1)	106 (3C)	24	96 (F0)
LTE Band 26	Full Power	15M_QPSK	26965	841.5	1RB	0Offset	Left Cheek	0 mm	0.127	0.121	0.132	0.108	0.106	0.117	0.115	0.118	0.101	0.103	0.107	0.101	0.091	0.031	0.06
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										8	17	26	35	44	53	62	71	80	89	98 (D2)	107 (87)	33	105 (5A)
LTE Band 71	Full Power	20M_QPSK	133322	683	1RB	0Offset	Left Cheek	0 mm	0.107	0.093	0.092	0.091	0.097	0.095	0.081	0.098	0.097	0.092	0.096	0.056	0.051	0.012	0.04

Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										0	10	20	30	40	50	60	70	80	90
GSM1900	Full Power	GPRS(3 Tx slots)	810	1909.8	N/A	N/A	Right Cheek	0 mm	0.098	0.07	0.086	0.075	0.082	0.086	0.083	0.064	0.083	0.075	0.086
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										1	11	21	31	41	51	61	71	81	91
WCDMA IV	Full Power	RMC 12.2Kbps	1513	1752.6	N/A	N/A	Right Cheek	0 mm	0.242	0.114	0.088	0.074	0.109	0.137	0.157	0.188	0.084	0.066	0.121
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										2	12	22	32	42	52	62	72	82	92
WCDMA II	Full Power	RMC 12.2Kbps	9400	1880	N/A	N/A	Right Cheek	0 mm	0.264	0.146	0.112	0.163	0.192	0.201	0.204	0.19	0.237	0.152	0.2
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										3	13	23	33	43	53	63	73	83	93
CDMA2000 BC1	Full Power	RC3+SO55	1175	1908.75	N/A	N/A	Right Cheek	0 mm	0.237	0.135	0.115	0.156	0.124	0.182	0.173	0.178	0.224	0.126	0.129
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										4	14	24	34	44	54	64	74	84	94
LTE Band 2	Full Power	20M_QPSK	18700	1860	1RB	0Offset	Right Cheek	0 mm	0.213	0.116	0.098	0.194	0.122	0.137	0.142	0.142	0.21	0.202	0.111
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										5	15	25	35	45	55	65	75	85	95
LTE Band 66	Full Power	20M_QPSK	132322	1745	1RB	0Offset	Right Cheek	0 mm	0.231	0.101	0.088	0.213	0.093	0.069	0.121	0.13	0.182	0.142	0.085
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										6	16	26	36	46	56	66	76	86	
LTE Band 7	Full Power	20M_QPSK	21100	2535	1RB	99Offset	Left Cheek	0 mm	0.109	0.068	0.067	0.087	0.12	0.051	0.06	0.066	0.064	0.101	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										7	17	27	37	47	57	67	77	87	
LTE Band 25	Full Power	20M_QPSK	26590	1905	1RB	0Offset	Right Cheek	0 mm	0.172	0.128	0.106	0.166	0.153	0.126	0.118	0.134	0.166	0.156	



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Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										8	18	28	38	48	58	68	78	88	
LTE Band 30	Full Power	10M_QPSK	27710	2310	1RB	0Offset	Left Cheek	0 mm	0.121	0.1	0.09	0.102	0.092	0.08	0.069	0.088	0.09	0.1	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										9	19	29	39	49	59	69	79	89	
LTE Band 41	Full Power	20M_QPSK	41055	2636.5	1RB	49Offset	Left Cheek	0 mm	0.069	0.023	0.002	0.031	0.012	0.013	0.011	0.015	0.001	0.2	

15.2 Supplemental Body SAR results

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Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)														
										0	9	18	27	36	45	54	63	72	81	90	99 (B4)	108 (4B)	42	
GSM850	Full Power	GPRS(4 Tx slots)	251	848.8	N/A	N/A	Left Side	10mm	0.911	0.138	0.164	0.083	0.138	0.147	0.175	0.149	0.121	0.125	0.119	0.131	0.103	0.101		0.135
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)														
										1	10	19	28	37	46	55	64	73	82	91	100 (78)	109 (2D)	51	
WCDMA V	Full Power	RMC 12.2Kbps	4182	836.4	N/A	N/A	Left Side	10mm	0.982	0.112	0.143	0.12	0.132	0.129	0.154	0.116	0.105	0.146	0.149	0.131	0.1	0.2		0.101
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)														
										2	11	20	29	38	47	56	65	74	83	92	101 (C3)	110 (1E)	60	
CDMA BC0	Full Power	RTAP 153.6Kbps	384	836.52	N/A	N/A	Back	10mm	0.926	0.067	0.684	0.74	0.141	0.05	0.242	0.432	0.228	0.05	0.355	0.504	0.21	0.1		0.225
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)														
										3	12	21	30	39	48	57	66	75	84	93	102 (A5)	111 (F)	69	
LTE Band 5	Hotspot&2.4G	10M_QPSK	20525	836.5	1RB	0Offset	Left Side	10mm	0.883	0.47	0.155	0.468	0.056	0.321	0.062	0.246	0.337	0.056	0.054	0.055	0.161	0.15		0.351
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)														
										4	13	22	31	40	49	58	67	76	85	94	103 (69)	6	78	
LTE Band 12	Full Power	10M_QPSK	23095	707.5	1RB	49Offset	Left Side	10mm	0.963	0.072	0.143	0.107	0.109	0.094	0.121	0.105	0.134	0.105	0.106	0.114	0.082	0.056		0.12
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)														
										5	14	23	32	41	50	59	68	77	86	95	104 (96)	15	87	
LTE Band 13	Hotspot&2.4G	10M_QPSK	23230	782	25RB	12Offset	Back	10mm	0.72	0.116	0.044	0.151	0.152	0.071	0.02	0.206	0.204	0.021	0.06	0.02	0.05	0.2		0.126
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)														
										7	16	25	34	43	52	61	70	79	88	97 (E1)	106 (3C)	24	96 (F0)	
LTE Band 26	Full Power	15M_QPSK	26865	831.5	1RB	0Offset	Back	10mm	0.703	0.128	0.132	0.135	0.141	0.133	0.128	0.129	0.146	0.144	0.14	0.12	0.06	0.12		0.14
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)														
										8	17	26	35	44	53	62	71	80	89	98 (D2)	107 (87)	33	105 (5A)	
LTE Band 71	Full Power	20M_QPSK	133322	683	1RB	0Offset	Left Side	10mm	0.827	0.085	0.124	0.12	0.104	0.025	0.12	0.1	0.074	0.05	0.017	0.04	0.047	0.21		0.12

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Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
										0	9	18	27	36	45	54	63	72	81	90	99 (B4)	108 (4B)	42		
GSM850	Full Power	GPRS(4 Tx slots)	189	836.4	N/A	N/A	Back	10mm	0.142	0.076	0.032	0.018	0.025	0.033	0.001	0.046	0.044	0.021	0.112	0	0.044	0.028	0.015		
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
										1	10	19	28	37	46	55	64	73	82	91	100 (78)	109 (2D)	51		
WCDMA V	Full Power	RMC 12.2Kbps	4132	826.4	N/A	N/A	Bottom Side	10mm	0.16	0.018	0.005	0.009	0.038	0	0.054	0.062	0.077	0.023	0.009	0	0.056	0.035	0.03		
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
										2	11	20	29	38	47	56	65	74	83	92	101 (C3)	110 (1E)	60		
CDMA BC0	Full Power	RTAP 153.6Kbps	384	836.52	N/A	N/A	Bottom Side	10mm	0.172	0.036	0.061	0.06	0.054	0.036	0.041	0.066	0.051	0	0.056	0.05	0.032	0.05	0.01		
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
										3	12	21	30	39	48	57	66	75	84	93	102 (A5)	111 (F)	69		
LTE Band 5	Full Power	10M_QPSK	20525	836.5	1RB	0Offset	Back	10mm	0.169	0.07	0.113	0.05	0	0.028	0.035	0.044	0	0.067	0.032	0.098	0.03	0.041	0.029		
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
										4	13	22	31	40	49	58	67	76	85	94	103 (69)	6	78		
LTE Band 12	Full Power	10M_QPSK	23095	707.5	1RB	49Offset	Right Side	10mm	0.212	0.011	0.05	0.012	0.036	0.02	0.07	0.074	0.107	0.039	0	0.069	0.021	0.026	0.025		



FCC SAR TEST REPORT

Report No. : FA8D2526-01

Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										5	14	23	32	41	50	59	68	77	86	95	104 (96)	15	87
LTE Band 13	Full Power	10M_QPSK	23230	782	1RB	25Offset	Back	10mm	0.215	0.001	0.009	0.019	0.038	0.005	0.012	0.024	0.048	0	0.01	0.03	0.026	0.04	0.041
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										7	16	25	34	43	52	61	70	79	88	97 (E1)	106 (3C)	24	96 (F0)
LTE Band 26	Full Power	15M_QPSK	26865	831.5	1RB	0Offset	Back	10mm	0.153	0.003	0	0.002	0.005	0.023	0.049	0.032	0.023	0.018	0.001	0.026	0.036	0.03	0.065
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)													
										8	17	26	35	44	53	62	71	80	89	98 (D2)	107 (87)	33	105 (5A)
LTE Band 71	Full Power	20M_QPSK	133322	683	1RB	0Offset	Back	10mm	0.237	0.005	0.01	0.015	0.024	0.01	0	0.022	0.033	0.04	0.012	0.054	0.05	0.025	0.032

Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										0	10	20	30	40	50	60	70	80	90
GSM1900	Full Power	GPRS(3 Tx slots)	661	1880	N/A	N/A	Bottom Side	10mm	0.858	0.566	0.629	0.671	0.648	0.784	0.785	0.756	0.668	0.563	0.74
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										1	11	21	31	41	51	61	71	81	91
WCDMA IV	Hotspot On	RMC 12.2Kbps	1413	1732.6	N/A	N/A	Bottom Side	10mm	0.957	0.753	0.57	0.516	0.646	0.819	0.907	0.955	0.522	0.561	0.69
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										2	12	22	32	42	52	62	72	82	92
WCDMA II	Hotspot On	RMC 12.2Kbps	9538	1907.6	N/A	N/A	Bottom Side	10mm	1.08	0.731	0.653	0.734	0.827	0.869	0.831	0.96	1.01	0.563	0.77
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										3	13	23	33	43	53	63	73	83	93
CDMA2000 BC1	Hotspot On	RTAP 153.6Kbps	600	1880	N/A	N/A	Bottom Side	10mm	0.855	0.629	0.568	0.547	0.59	0.667	0.713	0.767	0.849	0.481	0.6
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										4	14	24	34	44	54	64	74	84	95
LTE Band 66	Hotspot On	20M_QPSK	132572	1770	50RB	0Offset	Bottom Side	10mm	1.07	0.619	0.624	0.891	0.452	0.578	0.6	0.791	0.841	0.588	0.612
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										5	15	25	35	45	55	65	75	85	
LTE Band 7	Hotspot On	20M_QPSK	20850	2510	1RB	99Offset	Bottom Side	10mm	0.871	0.452	0.438	0.605	0.687	0.686	0.4	0.434	0.465	0.651	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										6	16	26	36	46	56	66	76	86	
LTE Band 25	Hotspot On	20M_QPSK	26340	1880	50RB	24Offset	Bottom Side	10mm	0.971	0.63	0.586	0.853	0.887	0.545	0.609	0.641	0.72	0.892	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										7	17	27	37	47	57	67	77	87	
LTE Band 30	Full Power	10M_QPSK	27710	2310	1RB	0Offset	Bottom Side	10mm	0.897	0.887	0.882	0.863	0.772	0.658	0.74	0.869	0.849	0.866	
Mode	Power Reduction	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
										8	18	28	38	48	58	68	78	88	
LTE Band 41	Full Power	20M_QPSK	40185	2549.5	1RB	0Offset	Bottom Side	10mm	0.768	0.461	0.371	0.454	0.637	0.691	0.369	0.372	0.365	0.51	

Test Engineer : Ray Sun Lemon Su Carter Jhuang Randy Lin Andy Chiang Willy Yu and Ted Shie

16. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

17. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [9] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [10] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [12] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [13] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.