



Appendix A

Transmitter Output Power

According to FCC Part 2.1046 & Part 24.232 & RSS-133



Conducted Power of Transmitter

Table 1 Measurement Results BAND 2

		RF Output Power (Conducted)					
TEST CONDITIONS		Channel9262(B)		Channel9400(M)		Channel9538(T)	
		1852.4MHz		1880.0MHz		1907.6MHz	
		dBm		dBm		dBm	
T_{nom} / V_{nom}		Measured	Limit	Measured	Limit	Measured	Limit
TM1		22.74	33	22.87	33	22.66	33
TM2	Case1	21.46	33	21.59	33	21.44	33
	Case2	21.55	33	21.56	33	21.67	33
	Case3	20.95	33	20.96	33	21.12	33
	Case4	20.85	33	20.85	33	21.08	33
TM3	Case1	20.73	33	21.53	33	21.48	33
	Case2	18.11	33	18.43	33	18.16	33
	Case3	20.37	33	20.01	33	19.91	33
	Case4	20.98	33	20.42	33	20.27	33
	Case5	21.32	33	21.46	33	21.25	33

Note: RBW > emission bandwidth, VBW > 3 x RBW.



Table 2 Measurement Results (LTE) BAND 2

TM4 & TM5 RF Output Power(Conducted) BAND 2				
Test Mode	TN/VN			
	Modulation	RB	Measured (dBm)	Limit (dBm)
Channel (B) 1.4MHz(BW)	QPSK	1RB#0	22.53	33
		1RB#max	22.66	33
		3RB#2	22.60	33
		Full	21.64	33
	16QAM	1RB#0	21.73	33
		1RB#max	21.74	33
		3RB#2	21.60	33
		Full	20.11	33
Channel (B) 3MHz(BW)	QPSK	1RB#0	22.46	33
		1RB#max	22.53	33
		8RB#4	21.62	33
		Full	21.65	33
	16QAM	1RB#0	21.76	33
		1RB#max	21.75	33
		8RB#4	20.60	33
		Full	20.75	33
Channel (B) 5MHz(BW)	QPSK	1RB#0	22.52	33
		1RB#max	22.68	33
		12RB#6	21.75	33
		Full	21.44	33
	16QAM	1RB#0	21.64	33
		1RB#max	21.81	33
		12RB#6	20.85	33
		Full	20.48	33
Channel (B) 10MHz(BW)	QPSK	1RB#0	22.58	33
		1RB#max	22.52	33
		25RB#13	21.54	33
		Full	21.49	33
	16QAM	1RB#0	21.83	33
		1RB#max	21.74	33
		25RB#13	20.58	33



		Full	20.42	33
Channel (B) 15MHz(BW)	QPSK	1RB#0	22.64	33
		1RB#max	22.42	33
		36RB#18	21.40	33
		Full	21.33	33
	16QAM	1RB#0	21.76	33
		1RB#max	21.51	33
		36RB#18	20.50	33
		Full	20.44	33
Channel (B) 20MHz(BW)	QPSK	1RB#0	22.72	33
		1RB#max	22.46	33
		50RB#25	21.42	33
		Full	21.42	33
	16QAM	1RB#0	21.82	33
		1RB#max	21.56	33
		50RB#25	20.46	33
		Full	20.60	33
Channel (M) 1.4MHz(BW)	QPSK	1RB#0	22.57	33
		1RB#max	22.56	33
		3RB#2	22.59	33
		Full	21.57	33
	16QAM	1RB#0	21.82	33
		1RB#max	21.69	33
		3RB#2	21.50	33
		Full	20.39	33
Channel (M) 3MHz(BW)	QPSK	1RB#0	22.49	33
		1RB#max	22.54	33
		8RB#4	21.56	33
		Full	21.56	33
	16QAM	1RB#0	21.64	33
		1RB#max	21.74	33
		8RB#4	20.49	33
		Full	20.59	33
Channel (M) 5MHz(BW)	QPSK	1RB#0	22.54	33
		1RB#max	22.66	33
		12RB#6	21.61	33
		Full	21.60	33



	16QAM	1RB#0	21.67	33
		1RB#max	21.73	33
		12RB#6	20.69	33
		Full	20.55	33
Channel (M) 10MHz(BW)	QPSK	1RB#0	22.53	33
		1RB#max	22.66	33
		25RB#13	21.51	33
		Full	21.46	33
	16QAM	1RB#0	21.70	33
		1RB#max	21.83	33
		25RB#13	20.52	33
		Full	20.34	33
Channel (M) 15MHz(BW)	QPSK	1RB#0	22.52	33
		1RB#max	22.59	33
		36RB#18	21.42	33
		Full	21.28	33
	16QAM	1RB#0	21.74	33
		1RB#max	21.69	33
		36RB#18	20.46	33
		Full	20.29	33
Channel (M) 20MHz(BW)	QPSK	1RB#0	22.52	33
		1RB#max	22.61	33
		50RB#25	21.58	33
		Full	21.47	33
	16QAM	1RB#0	21.11	33
		1RB#max	21.25	33
		50RB#25	20.60	33
		Full	20.47	33
Channel (T) 1.4MHz(BW)	QPSK	1RB#0	21.83	33
		1RB#max	21.56	33
		3RB#2	21.72	33
		Full	20.79	33
	16QAM	1RB#0	20.48	33
		1RB#max	20.17	33
		3RB#2	21.09	33
		Full	19.95	33
Channel (T)	QPSK	1RB#0	22.52	33



3MHz(BW)		1RB#max	21.60	33
		8RB#4	20.94	33
		Full	20.97	33
	16QAM	1RB#0	21.66	33
		1RB#max	20.71	33
		8RB#4	19.99	33
		Full	20.09	33
Channel (T) 5MHz(BW)	QPSK	1RB#0	22.82	33
		1RB#max	21.64	33
		12RB#6	21.45	33
		Full	21.27	33
	16QAM	1RB#0	21.95	33
		1RB#max	20.77	33
		12RB#6	20.61	33
		Full	20.44	33
Channel (T) 10MHz(BW)	QPSK	1RB#0	22.60	33
		1RB#max	21.66	33
		25RB#13	21.53	33
		Full	21.45	33
	16QAM	1RB#0	21.79	33
		1RB#max	20.87	33
		25RB#13	20.67	33
		Full	20.40	33
Channel (T) 15MHz(BW)	QPSK	1RB#0	22.57	33
		1RB#max	21.74	33
		36RB#18	21.46	33
		Full	21.36	33
	16QAM	1RB#0	21.82	33
		1RB#max	20.92	33
		36RB#18	20.51	33
		Full	20.39	33
Channel (T) 20MHz(BW)	QPSK	1RB#0	22.89	33
		1RB#max	21.98	33
		50RB#25	21.60	33
		Full	21.56	33
	16QAM	1RB#0	22.03	33
		1RB#max	21.20	33



		50RB#25	20.59	33
		Full	20.57	33

Note: RBW > emission bandwidth, VBW > 3 x RBW.



Peak-to-Average Ratio

Table 1 Measurement Results (WCMDA) BAND 2

		Peak-to-Average Ratio					
TEST CONDITIONS		Channel9262(B)		Channel9400(M)		Channel9538(T)	
		1852.4MHz		1880.0MHz		1907.6MHz	
		dB		dB		dB	
T_{nom} / V_{nom}		Measured	Limit	Measured	Limit	Measured	Limit
TM1		3.21	13	3.30	13	3.26	13
TM2	Case1	3.22	13	3.18	13	3.24	13
	Case2	3.23	13	3.21	13	3.22	13
	Case3	3.16	13	3.29	13	3.19	13
	Case4	3.23	13	3.25	13	3.20	13
TM3	Case1	3.27	13	3.28	13	3.24	13
	Case2	3.17	13	3.26	13	3.22	13
	Case3	3.28	13	3.13	13	3.18	13
	Case4	3.16	13	3.17	13	3.21	13
	Case5	3.22	13	3.17	13	3.14	13

Table 2 Measurement Results (LTE) BAND 2

TM4 & TM5 Peak-to-Average Ratio				
Test Mode	TN/VN			
	Modulation	RB	Measured (dB)	Limit (dB)
Channel (B) 1.4MHz(BW)	QPSK	1RB#0	5.71	13
		1RB#max	5.71	13
		3RB#2	5.66	13
		Full	5.77	13
	16QAM	1RB#0	6.60	13
		1RB#max	6.54	13
		3RB#2	6.51	13



		Full	6.61	13
Channel (B) 3MHz(BW)	QPSK	1RB#0	5.26	13
		1RB#max	5.32	13
		8RB#4	5.27	13
		Full	5.16	13
	16QAM	1RB#0	6.02	13
		1RB#max	5.84	13
		8RB#4	5.94	13
		Full	6.00	13
Channel (B) 5MHz(BW)	QPSK	1RB#0	5.35	13
		1RB#max	5.45	13
		12RB#6	5.31	13
		Full	5.36	13
	16QAM	1RB#0	6.12	13
		1RB#max	6.15	13
		12RB#6	6.05	13
		Full	6.09	13
Channel (B) 10MHz(BW)	QPSK	1RB#0	5.53	13
		1RB#max	5.57	13
		25RB#13	5.60	13
		Full	5.62	13
	16QAM	1RB#0	6.31	13
		1RB#max	6.30	13
		25RB#13	6.34	13
		Full	6.43	13
Channel (B) 15MHz(BW)	QPSK	1RB#0	5.86	13
		1RB#max	5.90	13
		36RB#18	5.91	13
		Full	5.92	13
	16QAM	1RB#0	6.55	13
		1RB#max	6.52	13
		36RB#18	6.53	13
		Full	6.57	13
Channel (B) 20MHz(BW)	QPSK	1RB#0	5.58	13
		1RB#max	5.61	13
		50RB#25	5.51	13
		Full	5.62	13



	16QAM	1RB#0	6.36	13
		1RB#max	6.35	13
		50RB#25	6.34	13
		Full	6.39	13
Channel (M) 1.4MHz(BW)	QPSK	1RB#0	5.67	13
		1RB#max	5.61	13
		3RB#2	5.84	13
		Full	5.49	13
	16QAM	1RB#0	6.22	13
		1RB#max	6.21	13
		3RB#2	6.19	13
		Full	6.29	13
Channel (M) 3MHz(BW)	QPSK	1RB#0	5.54	13
		1RB#max	5.52	13
		8RB#4	5.45	13
		Full	5.61	13
	16QAM	1RB#0	6.12	13
		1RB#max	6.11	13
		8RB#4	6.19	13
		Full	6.31	13
Channel (M) 5MHz(BW)	QPSK	1RB#0	5.77	13
		1RB#max	5.73	13
		12RB#6	5.69	13
		Full	5.80	13
	16QAM	1RB#0	6.58	13
		1RB#max	6.54	13
		12RB#6	6.55	13
		Full	6.63	13
Channel (M) 10MHz(BW)	QPSK	1RB#0	5.63	13
		1RB#max	5.59	13
		25RB#13	5.61	13
		Full	5.64	13
	16QAM	1RB#0	6.33	13
		1RB#max	6.31	13
		25RB#13	6.38	13
		Full	6.44	13
Channel (M)	QPSK	1RB#0	5.89	13



15MHz(BW)		1RB#max	5.95	13
		36RB#18	5.96	13
		Full	5.99	13
	16QAM	1RB#0	6.59	13
		1RB#max	6.54	13
		36RB#18	6.56	13
		Full	6.60	13
Channel (M) 20MHz(BW)	QPSK	1RB#0	5.65	13
		1RB#max	5.61	13
		50RB#25	5.55	13
		Full	5.67	13
	16QAM	1RB#0	6.38	13
		1RB#max	6.33	13
		50RB#25	6.40	13
		Full	6.41	13
Channel (T) 1.4MHz(BW)	QPSK	1RB#0	5.61	13
		1RB#max	5.67	13
		3RB#2	5.61	13
		Full	5.66	13
	16QAM	1RB#0	6.02	13
		1RB#max	6.09	13
		3RB#2	6.05	13
		Full	6.10	13
Channel (T) 3MHz(BW)	QPSK	1RB#0	5.56	13
		1RB#max	5.53	13
		8RB#4	5.51	13
		Full	5.51	13
	16QAM	1RB#0	6.11	13
		1RB#max	6.15	13
		8RB#4	6.16	13
		Full	6.22	13
Channel (T) 5MHz(BW)	QPSK	1RB#0	5.74	13
		1RB#max	5.71	13
		12RB#6	5.66	13
		Full	5.78	13
	16QAM	1RB#0	6.55	13
		1RB#max	6.51	13



		12RB#6	6.53	13
		Full	6.61	13
Channel (T) 10MHz(BW)	QPSK	1RB#0	5.56	13
		1RB#max	5.59	13
		25RB#13	5.60	13
		Full	5.61	13
	16QAM	1RB#0	6.37	13
		1RB#max	6.35	13
		25RB#13	6.38	13
		Full	6.42	13
Channel (T) 15MHz(BW)	QPSK	1RB#0	5.84	13
		1RB#max	5.88	13
		36RB#18	5.90	13
		Full	5.94	13
	16QAM	1RB#0	6.49	13
		1RB#max	6.31	13
		36RB#18	6.34	13
		Full	6.39	13
Channel (T) 20MHz(BW)	QPSK	1RB#0	5.58	13
		1RB#max	5.71	13
		50RB#25	5.46	13
		Full	5.61	13
	16QAM	1RB#0	6.76	13
		1RB#max	6.46	13
		50RB#25	6.76	13
		Full	6.66	13



Effective Isotropic Radiated Power of Transmitter (EIRP)

Test Mode	Freq. [MHz]	Meas. Level [dBm]	Substitution Antenna Type	SGP [dBm]	Substitution Gain [dBi]	Cable Loss [dB]	Substitution Level (EIRP) [dBm]	FCC limit [dBm]	Result
TM1	1852.4	21.74	Horn Ant.	18.04	4.5	1	21.54	33	Pass
TM1	1880.0	21.87	Horn Ant.	18.17	4.5	1	21.67	33	Pass
TM1	1907.6	21.66	Horn Ant.	17.66	4.8	1	21.46	33	Pass

Test Mode			Meas. Level [dBm]	Substitution Antenna Type	SGP[dBm]	Substitution Gain [dBi]	Cable Loss [dB]	Substitution Level (EIRP) [dBm]	FCC limit [dBm]	Result
Channel	Modulation	RB								
Channel (B) 1.4MHz(BW)	QPSK	1RB#0	21.53	Horn Ant.	17.88	4.5	1	21.38	33	Pass
		1RB#max	21.66	Horn Ant.	18.01	4.5	1	21.51	33	Pass
		3RB#2	21.60	Horn Ant.	17.95	4.5	1	21.45	33	Pass
		Full	20.64	Horn Ant.	16.99	4.5	1	20.49	33	Pass
	16QAM	1RB#0	20.73	Horn Ant.	17.08	4.5	1	20.58	33	Pass
		1RB#max	20.74	Horn Ant.	17.09	4.5	1	20.59	33	Pass
		3RB#2	20.60	Horn Ant.	16.95	4.5	1	20.45	33	Pass
		Full	19.11	Horn Ant.	15.46	4.5	1	18.96	33	Pass
Channel (B) 3MHz(BW)	QPSK	1RB#0	21.46	Horn Ant.	17.81	4.5	1	21.31	33	Pass
		1RB#max	21.53	Horn Ant.	17.88	4.5	1	21.38	33	Pass



		8RB#4	20.62	Horn Ant.	16.97	4.5	1	20.47	33	Pass
		Full	20.65	Horn Ant.	17.00	4.5	1	20.50	33	Pass
	16QAM	1RB#0	20.76	Horn Ant.	17.11	4.5	1	20.61	33	Pass
		1RB#max	20.75	Horn Ant.	17.10	4.5	1	20.60	33	Pass
		8RB#4	19.60	Horn Ant.	15.95	4.5	1	19.45	33	Pass
		Full	19.75	Horn Ant.	16.10	4.5	1	19.60	33	Pass
Channel (B) 5MHz(BW)	QPSK	1 RB/#0	21.52	Horn Ant.	17.87	4.5	1	21.37	33	Pass
		1 RB/#max	21.68	Horn Ant.	18.03	4.5	1	21.53	33	Pass
		12 RB/#6	20.75	Horn Ant.	17.10	4.5	1	20.60	33	Pass
		Full	20.44	Horn Ant.	16.79	4.5	1	20.29	33	Pass
	16QAM	1 RB/#0	20.64	Horn Ant.	16.99	4.5	1	20.49	33	Pass
		1 RB/#max	20.81	Horn Ant.	17.16	4.5	1	20.66	33	Pass
		12 RB/#6	19.85	Horn Ant.	16.20	4.5	1	19.70	33	Pass
		Full	19.48	Horn Ant.	15.83	4.5	1	19.33	33	Pass
Channel (B) 10MHz(BW)	QPSK	1 RB/#0	21.58	Horn Ant.	17.93	4.5	1	21.43	33	Pass
		1 RB/#max	21.52	Horn Ant.	17.87	4.5	1	21.37	33	Pass
		25 RB/#13	20.54	Horn Ant.	16.89	4.5	1	20.39	33	Pass
		Full	20.49	Horn Ant.	16.84	4.5	1	20.34	33	Pass
	16QAM	1 RB/#0	20.83	Horn Ant.	17.18	4.5	1	20.68	33	Pass



		1 RB/#max	20.74	Horn Ant.	17.09	4.5	1	20.59	33	Pass
		25 RB/#13	19.58	Horn Ant.	15.93	4.5	1	19.43	33	Pass
		Full	19.42	Horn Ant.	15.77	4.5	1	19.27	33	Pass
Channel (B) 15MHz(B W)	QPSK	1 RB/#0	21.64	Horn Ant.	17.99	4.5	1	21.49	33	Pass
		1 RB/#max	21.42	Horn Ant.	17.77	4.5	1	21.27	33	Pass
		36 RB/#18	20.40	Horn Ant.	16.75	4.5	1	20.25	33	Pass
		Full	20.33	Horn Ant.	16.68	4.5	1	20.18	33	Pass
	16QAM	1 RB/#0	20.76	Horn Ant.	17.11	4.5	1	20.61	33	Pass
		1 RB/#max	20.51	Horn Ant.	16.86	4.5	1	20.36	33	Pass
		36 RB/#18	19.50	Horn Ant.	15.85	4.5	1	19.35	33	Pass
		Full	19.44	Horn Ant.	15.79	4.5	1	19.29	33	Pass
Channel (B) 20MHz(B W)	QPSK	1 RB/#0	21.72	Horn Ant.	18.07	4.5	1	21.57	33	Pass
		1 RB/#max	21.46	Horn Ant.	17.81	4.5	1	21.31	33	Pass
		50 RB/#25	20.42	Horn Ant.	16.77	4.5	1	20.27	33	Pass
		Full	20.42	Horn Ant.	16.77	4.5	1	20.27	33	Pass
	16QAM	1 RB/#0	20.82	Horn Ant.	17.17	4.5	1	20.67	33	Pass
		1 RB/#max	20.56	Horn Ant.	16.91	4.5	1	20.41	33	Pass
		50 RB/#25	19.46	Horn Ant.	15.81	4.5	1	19.31	33	Pass
		Full	19.60	Horn Ant.	15.95	4.5	1	19.45	33	Pass



Channel (M) 1.4MHz(BW)	QPSK	1RB#0	21.57	Horn Ant.	17.92	4.5	1	21.42	33	Pass
		1RB#max	21.56	Horn Ant.	17.91	4.5	1	21.41	33	Pass
		3RB#2	21.59	Horn Ant.	17.94	4.5	1	21.44	33	Pass
		Full	20.57	Horn Ant.	16.92	4.5	1	20.42	33	Pass
	16QAM	1RB#0	20.82	Horn Ant.	17.17	4.5	1	20.67	33	Pass
		1RB#max	20.69	Horn Ant.	17.04	4.5	1	20.54	33	Pass
		3RB#2	20.50	Horn Ant.	16.85	4.5	1	20.35	33	Pass
		Full	19.39	Horn Ant.	15.74	4.5	1	19.24	33	Pass
Channel (M) 3MHz(B W)	QPSK	1RB#0	21.49	Horn Ant.	17.84	4.5	1	21.34	33	Pass
		1RB#max	21.54	Horn Ant.	17.89	4.5	1	21.39	33	Pass
		8RB#4	20.56	Horn Ant.	16.91	4.5	1	20.41	33	Pass
		Full	20.56	Horn Ant.	16.91	4.5	1	20.41	33	Pass
	16QAM	1RB#0	20.64	Horn Ant.	16.99	4.5	1	20.49	33	Pass
		1RB#max	20.74	Horn Ant.	17.09	4.5	1	20.59	33	Pass
		8RB#4	19.49	Horn Ant.	15.84	4.5	1	19.34	33	Pass
		Full	19.59	Horn Ant.	15.94	4.5	1	19.44	33	Pass
Channel (M) 5MHz(B W)	QPSK	1 RB/#0	21.54	Horn Ant.	17.89	4.5	1	21.39	33	Pass
		1 RB/#max	21.66	Horn Ant.	18.01	4.5	1	21.51	33	Pass
		12 RB/#6	20.61	Horn Ant.	16.96	4.5	1	20.46	33	Pass



		Full	20.60	Horn Ant.	16.95	4.5	1	20.45	33	Pass
	16QAM	1 RB/#0	20.67	Horn Ant.	17.02	4.5	1	20.52	33	Pass
		1 RB/#max	20.73	Horn Ant.	17.08	4.5	1	20.58	33	Pass
		12 RB/#6	19.69	Horn Ant.	16.04	4.5	1	19.54	33	Pass
		Full	19.55	Horn Ant.	15.90	4.5	1	19.40	33	Pass
Channel (M) 10MHz(B W)	QPSK	1 RB/#0	21.53	Horn Ant.	17.88	4.5	1	21.38	33	Pass
		1 RB/#max	21.66	Horn Ant.	18.01	4.5	1	21.51	33	Pass
		25 RB/#13	20.51	Horn Ant.	16.86	4.5	1	20.36	33	Pass
		Full	20.46	Horn Ant.	16.81	4.5	1	20.31	33	Pass
	16QAM	1 RB/#0	20.70	Horn Ant.	17.05	4.5	1	20.55	33	Pass
		1 RB/#max	20.83	Horn Ant.	17.18	4.5	1	20.68	33	Pass
		25 RB/#13	19.52	Horn Ant.	15.87	4.5	1	19.37	33	Pass
		Full	19.34	Horn Ant.	15.69	4.5	1	19.19	33	Pass
Channel (M) 15MHz(B W)	QPSK	1 RB/#0	21.52	Horn Ant.	17.87	4.5	1	21.37	33	Pass
		1 RB/#max	21.59	Horn Ant.	17.94	4.5	1	21.44	33	Pass
		36 RB/#18	20.42	Horn Ant.	16.77	4.5	1	20.27	33	Pass
		Full	20.28	Horn Ant.	16.63	4.5	1	20.13	33	Pass
	16QAM	1 RB/#0	20.74	Horn Ant.	17.09	4.5	1	20.59	33	Pass
		1 RB/#max	20.69	Horn Ant.	17.04	4.5	1	20.54	33	Pass



		36 RB/#18	19.46	Horn Ant.	15.81	4.5	1	19.31	33	Pass
		Full	19.29	Horn Ant.	15.64	4.5	1	19.14	33	Pass
Channel (M) 20MHz(BW)	QPSK	1 RB/#0	21.52	Horn Ant.	17.87	4.5	1	21.37	33	Pass
		1 RB/#max	21.61	Horn Ant.	17.96	4.5	1	21.46	33	Pass
		50 RB/#25	20.58	Horn Ant.	16.93	4.5	1	20.43	33	Pass
		Full	20.47	Horn Ant.	16.82	4.5	1	20.32	33	Pass
	16QAM	1 RB/#0	20.11	Horn Ant.	16.46	4.5	1	19.96	33	Pass
		1 RB/#max	20.25	Horn Ant.	16.60	4.5	1	20.10	33	Pass
		50 RB/#25	19.60	Horn Ant.	15.95	4.5	1	19.45	33	Pass
		Full	19.47	Horn Ant.	15.82	4.5	1	19.32	33	Pass
Channel (T) 1.4MHz(BW)	QPSK	1RB#0	20.83	Horn Ant.	16.88	4.8	1	20.68	33	Pass
		1RB#max	20.56	Horn Ant.	16.61	4.8	1	20.41	33	Pass
		3RB#2	20.72	Horn Ant.	16.77	4.8	1	20.57	33	Pass
		Full	19.79	Horn Ant.	15.84	4.8	1	19.64	33	Pass
	16QAM	1RB#0	19.48	Horn Ant.	15.53	4.8	1	19.33	33	Pass
		1RB#max	19.17	Horn Ant.	15.22	4.8	1	19.02	33	Pass
		3RB#2	20.09	Horn Ant.	16.14	4.8	1	19.94	33	Pass
		Full	18.95	Horn Ant.	15.00	4.8	1	18.80	33	Pass
Channel (T)	QPSK	1RB#0	21.52	Horn Ant.	17.57	4.8	1	21.37	33	Pass



3MHz(B W)		1RB#max	20.60	Horn Ant.	16.65	4.8	1	20.45	33	Pass
		8RB#4	19.94	Horn Ant.	15.99	4.8	1	19.79	33	Pass
		Full	19.97	Horn Ant.	16.02	4.8	1	19.82	33	Pass
		1RB#0	20.66	Horn Ant.	16.71	4.8	1	20.51	33	Pass
	16QAM	1RB#max	19.71	Horn Ant.	15.76	4.8	1	19.56	33	Pass
		8RB#4	18.99	Horn Ant.	15.04	4.8	1	18.84	33	Pass
		Full	19.09	Horn Ant.	15.14	4.8	1	18.94	33	Pass
Channel (T) 5MHz(B W)	QPSK	1 RB/#0	21.82	Horn Ant.	17.87	4.8	1	21.67	33	Pass
		1 RB/#max	20.64	Horn Ant.	16.69	4.8	1	20.49	33	Pass
		12 RB/#6	20.45	Horn Ant.	16.50	4.8	1	20.30	33	Pass
		Full	20.27	Horn Ant.	16.32	4.8	1	20.12	33	Pass
	16QAM	1 RB/#0	20.95	Horn Ant.	17.00	4.8	1	20.80	33	Pass
		1 RB/#max	19.77	Horn Ant.	15.82	4.8	1	19.62	33	Pass
		12 RB/#6	19.61	Horn Ant.	15.66	4.8	1	19.46	33	Pass
		Full	19.44	Horn Ant.	15.49	4.8	1	19.29	33	Pass
Channel (T) 10MHz(B W)	QPSK	1 RB/#0	21.60	Horn Ant.	17.65	4.8	1	21.45	33	Pass
		1 RB/#max	20.66	Horn Ant.	16.71	4.8	1	20.51	33	Pass
		25 RB/#13	20.53	Horn Ant.	16.58	4.8	1	20.38	33	Pass
		Full	20.45	Horn Ant.	16.50	4.8	1	20.30	33	Pass



	16QAM	1 RB/#0	20.79	Horn Ant.	16.84	4.8	1	20.64	33	Pass
		1 RB/#max	19.87	Horn Ant.	15.92	4.8	1	19.72	33	Pass
		25 RB/#13	19.67	Horn Ant.	15.72	4.8	1	19.52	33	Pass
		Full	19.40	Horn Ant.	15.45	4.8	1	19.25	33	Pass
Channel (T) 15MHz(BW)	QPSK	1 RB/#0	21.57	Horn Ant.	17.62	4.8	1	21.42	33	Pass
		1 RB/#max	20.74	Horn Ant.	16.79	4.8	1	20.59	33	Pass
		36 RB/#18	20.46	Horn Ant.	16.51	4.8	1	20.31	33	Pass
		Full	20.36	Horn Ant.	16.41	4.8	1	20.21	33	Pass
	16QAM	1 RB/#0	20.82	Horn Ant.	16.87	4.8	1	20.67	33	Pass
		1 RB/#max	19.92	Horn Ant.	15.97	4.8	1	19.77	33	Pass
		36 RB/#18	19.51	Horn Ant.	15.56	4.8	1	19.36	33	Pass
		Full	19.39	Horn Ant.	15.44	4.8	1	19.24	33	Pass
Channel (T) 20MHz(BW)	QPSK	1 RB/#0	21.89	Horn Ant.	17.94	4.8	1	21.74	33	Pass
		1 RB/#max	20.98	Horn Ant.	17.03	4.8	1	20.83	33	Pass
		50 RB/#25	20.60	Horn Ant.	16.65	4.8	1	20.45	33	Pass
		Full	20.56	Horn Ant.	16.61	4.8	1	20.41	33	Pass
	16QAM	1 RB/#0	21.03	Horn Ant.	17.08	4.8	1	20.88	33	Pass
		1 RB/#max	20.20	Horn Ant.	16.25	4.8	1	20.05	33	Pass
		50 RB/#25	19.59	Horn Ant.	15.64	4.8	1	19.44	33	Pass



		Full	19.57	Horn Ant.	15.62	4.8	1	19.42	33	Pass
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Note1: a, For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

Note2: RBW > emission bandwidth, VBW > 3 x RBW.

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