



FCC SAR Test Report

Report No. : FA4N0543

	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 7	633334	3500.01	26.01	27.00	1.256	50	1.000	0	0.246	0.309
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3	Simultaneous	633334	3500.01	25.11	26.00	1.227	50	1.000	0.17	0.051	0.063
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	Simultaneous	633334	3500.01	25.11	26.00	1.227	50	1.000	-0.05	0.205	0.252
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 3	Simultaneous	633334	3500.01	25.11	26.00	1.227	50	1.000	0.01	0.043	0.053
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 3	Simultaneous	633334	3500.01	25.11	26.00	1.227	50	1.000	0.10	0.107	0.131
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 3	Simultaneous	633334	3500.01	25.11	26.00	1.227	50	1.000	-0.17	0.024	0.029
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 3	Simultaneous	633334	3500.01	25.11	26.00	1.227	50	1.000	0.04	0.041	0.050
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 7	656000	3840	22.76	23.00	1.057	-	-	0.13	0.028	0.030
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 7	656000	3840	22.71	23.00	1.069	-	-	0.12	0.041	0.044
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 7	656000	3840	22.76	23.00	1.057	-	-	0.04	0.362	0.383
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 7	656000	3840	22.71	23.00	1.069	-	-	-0.11	0.323	0.345
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 7	656000	3840	22.76	23.00	1.057	-	-	0.03	0.292	0.309
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 7	656000	3840	22.71	23.00	1.069	-	-	-0.16	0.288	0.308
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 7	656000	3840	22.76	23.00	1.057	-	-	-0.02	0.041	0.043
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 7	656000	3840	22.71	23.00	1.069	-	-	0.15	0.037	0.040
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 7	656000	3840	22.76	23.00	1.057	-	-	-0.09	0.052	0.055
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 7	656000	3840	22.71	23.00	1.069	-	-	0.11	0.045	0.048
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 7	656000	3840	22.76	23.00	1.057	-	-	-0.05	0.070	0.074
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 7	656000	3840	22.71	23.00	1.069	-	-	-0.08	0.061	0.065
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 7	656000	3840	24.65	25.00	1.084	50	1.000	0.05	0.301	0.326
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	Simultaneous	656000	3840	19.80	20.00	1.047	-	-	-0.01	0.024	0.025
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	Simultaneous	656000	3840	19.80	20.00	1.047	-	-	-0.08	0.192	0.201
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	Simultaneous	656000	3840	19.80	20.00	1.047	-	-	0.05	0.164	0.172
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	Simultaneous	656000	3840	19.80	20.00	1.047	-	-	0.06	0.031	0.032
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	Simultaneous	656000	3840	19.80	20.00	1.047	-	-	-0.09	0.030	0.031
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	Simultaneous	656000	3840	19.80	20.00	1.047	-	-	-0.08	0.039	0.041
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 7	633334	3500.01	22.15	23.00	1.216	-	-	0.03	0.090	0.109
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 7	633334	3500.01	22.13	23.00	1.222	-	-	0.18	0.107	0.131
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 7	633334	3500.01	22.15	23.00	1.216	-	-	-0.04	0.356	0.433
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 7	633334	3500.01	22.13	23.00	1.222	-	-	0.04	0.457	0.558
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 7	633334	3500.01	22.15	23.00	1.216	-	-	0.17	0.268	0.326
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	DSI 7	633334	3500.01	22.13	23.00	1.222	-	-	0.18	0.379	0.463
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 7	633334	3500.01	22.15	23.00	1.216	-	-	-0.04	0.044	0.054
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	DSI 7	633334	3500.01	22.13	23.00	1.222	-	-	-0.08	0.048	0.059
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 7	633334	3500.01	22.15	23.00	1.216	-	-	-0.13	0.050	0.061
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 6	DSI 7	633334	3500.01	22.13	23.00	1.222	-	-	-0.13	0.038	0.046
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 7	633334	3500.01	22.15	23.00	1.216	-	-	0.06	0.305	0.371
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	DSI 7	633334	3500.01	22.13	23.00	1.222	-	-	-0.03	0.389	0.475
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 7	633334	3500.01	23.98	25.00	1.265	50	1.000	-0.08	0.371	0.469
	FR1 n77 Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	Simultaneous	633334	3500.01	19.16	20.00	1.213	-	-	0.13	0.059	0.072
	FR1 n77 Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	Simultaneous	633334	3500.01	19.16	20.00	1.213	-	-	0.12	0.239	0.290
	FR1 n77 Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 6	Simultaneous	633334	3500.01	19.16	20.00	1.213	-	-	0.03	0.210	0.255
	FR1 n77 Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 6	Simultaneous	633334	3500.01	19.16	20.00	1.213	-	-	0.18	0.030	0.036
	FR1 n77 Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 6	Simultaneous	633334	3500.01	19.16	20.00	1.213	-	-	0.16	0.029	0.035
	FR1 n77 Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 6	Simultaneous	633334	3500.01	19.16	20.00	1.213	-	-	-0.10	0.205	0.249
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 7	656000	3840	23.18	24.00	1.208	-	-	0.08	0.248	0.300
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 7	656000	3840	23.13	24.00	1.222	-	-	0.01	0.280	0.342
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 7	656000	3840	23.18	24.00	1.208	-	-	0.03	0.511	0.617
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 7	656000	3840	23.13	24.00	1.222	-	-	-0.08	0.509	0.622
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 7	656000	3840	23.18	24.00	1.208	-	-	-0.08	0.090	0.109
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 7	656000	3840	23.13	24.00	1.222	-	-	0.1	0.084	0.103
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 7	656000	3840	23.18	24.00	1.208	-	-	-0.18	0.574	0.693
51	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 7	656000	3840	23.13	24.00	1.222	-	-	0.1	0.707	0.864
	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 7	656000	3840	22.19	23.00	1.205	-	-	0.05	0.701	0.845
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 7	656000	3840	23.18	24.00	1.208	-	-	0.12	0.278	0.336



FCC SAR Test Report

Report No. : FA4N0543

	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 7	656000	3840	23.13	24.00	1.222	-	-	0.08	0.380	0.464
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 5	DSI 7	656000	3840	23.18	24.00	1.208	-	-	-0.17	0.069	0.083
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 5	DSI 7	656000	3840	23.13	24.00	1.222	-	-	-0.03	0.085	0.104
	FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 7	656000	3840	26.02	27.00	1.253	50	1.000	0.1	0.662	0.830
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 7	633334	3500.01	22.89	24.00	1.291	-	-	0.14	0.172	0.222
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 7	633334	3500.01	22.67	24.00	1.358	-	-	0.11	0.166	0.225
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 7	633334	3500.01	22.89	24.00	1.291	-	-	-0.05	0.306	0.395
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 7	633334	3500.01	22.67	24.00	1.358	-	-	0.18	0.293	0.398
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 7	633334	3500.01	22.89	24.00	1.291	-	-	0.14	0.070	0.090
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 5	DSI 7	633334	3500.01	22.67	24.00	1.358	-	-	-0.17	0.055	0.075
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 7	633334	3500.01	22.89	24.00	1.291	-	-	0.17	0.374	0.483
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 7	633334	3500.01	22.67	24.00	1.358	-	-	-0.05	0.379	0.515
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 7	633334	3500.01	22.89	24.00	1.291	-	-	0.01	0.161	0.208
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 7	633334	3500.01	22.67	24.00	1.358	-	-	0.1	0.142	0.193
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	10mm	Ant 5	DSI 7	633334	3500.01	22.89	24.00	1.291	-	-	-0.17	0.064	0.083
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 5	DSI 7	633334	3500.01	22.67	24.00	1.358	-	-	0.04	0.055	0.075
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 7	633334	3500.01	25.60	27.00	1.380	50	1.000	-0.05	0.382	0.527

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)
2450MHz																
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 8+9(9)	Hotspot on	1	2412	18.26	20.00	1.493	100	1.000	-0.08	0.205	0.306
52	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 8+9(9)	Hotspot on	1	2412	18.26	20.00	1.493	100	1.000	0.17	0.246	0.367
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 8+9(9)	Hotspot on	1	2412	18.26	20.00	1.493	100	1.000	-0.08	0.000	0.000
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 8+9(9)	Hotspot on	1	2412	18.26	20.00	1.493	100	1.000	0.1	0.096	0.143
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 8+9(9)	Hotspot on	1	2412	18.26	20.00	1.493	100	1.000	-0.18	0.201	0.300
	Bluetooth	1Mbps	Front	10mm	Ant 8	Full Power	39	2441	7.78	9.50	1.485	76.67	1.086	0.02	0.007	0.011
53	Bluetooth	1Mbps	Back	10mm	Ant 8	Full Power	39	2441	7.78	9.50	1.485	76.67	1.086	0.18	0.011	0.018
	Bluetooth	1Mbps	Left Side	10mm	Ant 8	Full Power	39	2441	7.78	9.50	1.485	76.67	1.086	-0.07	0.003	0.005
	Bluetooth	1Mbps	Right Side	10mm	Ant 8	Full Power	39	2441	7.78	9.50	1.485	76.67	1.086	0.01	0.008	0.013
	Bluetooth	1Mbps	Top Side	10mm	Ant 8	Full Power	39	2441	7.78	9.50	1.485	76.67	1.086	0.07	0.010	0.016



15.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	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)
750MHz																				
	LTE Band 71	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 1	133322	683	23.58	24.50	1.236	-	-	0.17	0.074	0.091
	LTE Band 71	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 1	133322	683	22.46	23.50	1.271	-	-	0.18	0.074	0.094
54	LTE Band 71	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	133322	683	23.58	24.50	1.236	-	-	-0.03	0.147	0.182
	LTE Band 71	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	133322	683	22.46	23.50	1.271	-	-	-0.04	0.079	0.100
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 1	23095	707.5	24.33	25.50	1.309	-	-	-0.03	0.169	0.221
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI 1	23095	707.5	23.41	24.50	1.285	-	-	0.14	0.148	0.190
55	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	23095	707.5	24.33	25.50	1.309	-	-	0.02	0.258	0.338
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI 6	23095	707.5	23.41	24.50	1.285	-	-	0.11	0.251	0.323
	LTE Band 13	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 1	23230	782	24.06	25.50	1.393	-	-	0.08	0.133	0.185
	LTE Band 13	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI 1	23230	782	23.11	24.50	1.377	-	-	0.01	0.106	0.146
56	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	23230	782	24.06	25.50	1.393	-	-	0.01	0.247	0.344
	LTE Band 13	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI 6	23230	782	23.11	24.50	1.377	-	-	0.03	0.198	0.273
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	136100	680.5	23.59	24.50	1.233	-	-	0.05	0.128	0.158
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	136100	680.5	23.57	24.50	1.239	-	-	0.06	0.141	0.175
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	136100	680.5	23.59	24.50	1.233	-	-	-0.09	0.167	0.206
57	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	136100	680.5	23.57	24.50	1.239	-	-	0.05	0.181	0.224
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	141500	707.5	23.81	24.50	1.172	-	-	0.03	0.132	0.155
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	141500	707.5	23.68	24.50	1.208	-	-	-0.15	0.120	0.145
58	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	141500	707.5	23.81	24.50	1.172	-	-	-0.01	0.221	0.259
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	141500	707.5	23.68	24.50	1.208	-	-	-0.15	0.186	0.225
	FR1 n13	10M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	156400	782	23.68	24.50	1.208	-	-	-0.1	0.156	0.188
	FR1 n13	10M	QPSK	25	14	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	156400	782	23.65	24.50	1.216	-	-	0.07	0.150	0.182
59	FR1 n13	10M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	156400	782	23.68	24.50	1.208	-	-	0.02	0.207	0.250
	FR1 n13	10M	QPSK	25	14	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	156400	782	23.65	24.50	1.216	-	-	-0.1	0.201	0.244
835MHz																				
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSI 1	4182	836.4	23.96	24.50	1.132	-	-	0.1	0.252	0.285
60	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 6	4182	836.4	23.96	24.50	1.132	-	-	0.02	0.421	0.477
	LTE Band 26	15M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 1	26865	831.5	23.58	24.50	1.236	-	-	-0.17	0.183	0.226
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 1	DSI 1	26865	831.5	22.61	23.50	1.227	-	-	0.04	0.149	0.183
61	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	26865	831.5	23.58	24.50	1.236	-	-	0.02	0.375	0.463
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 1	DSI 6	26865	831.5	22.61	23.50	1.227	-	-	-0.01	0.312	0.383
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	166300	831.5	23.66	24.50	1.213	-	-	0.1	0.144	0.175
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	166300	831.5	23.62	24.50	1.225	-	-	-0.18	0.166	0.203
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	166300	831.5	23.66	24.50	1.213	-	-	0.1	0.253	0.307
62	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	166300	831.5	23.62	24.50	1.225	-	-	0.01	0.328	0.402
1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSI 1	1413	1732.6	23.71	24.50	1.199	-	-	0.14	0.183	0.220
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSI 6	1413	1732.6	23.71	24.50	1.199	-	-	0.11	0.678	0.813
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSI 6	1312	1712.4	23.62	24.50	1.225	-	-	-0.05	0.611	0.748
63	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSI 6	1513	1752.6	23.66	24.50	1.213	-	-	0.01	0.738	0.895
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSI 1	1413	1732.6	23.56	24.50	1.242	-	-	0.1	0.390	0.484
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 6	1413	1732.6	23.56	24.50	1.242	-	-	0.01	0.498	0.618
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 1	132322	1745	23.19	24.00	1.205	-	-	0.08	0.202	0.243
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 1	132322	1745	22.29	23.00	1.178	-	-	0.01	0.162	0.191
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	132322	1745	23.19	24.00	1.205	-	-	0.03	0.693	0.835
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	132072	1720	23.18	24.00	1.208	-	-	-0.08	0.615	0.743
64	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	132572	1770	23.02	24.00	1.253	-	-	0.02	0.817	1.024
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	132322	1745	22.29	23.00	1.178	-	-	-0.08	0.567	0.668
	LTE Band 66	20M	QPSK	100	0	-	Back	10mm	Ant 0	DSI 6	132322	1745	22.17	23.00	1.211	-	-	0.1	0.518	0.627
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 1	132322	1745	23.59	24.00	1.099	-	-	0.08	0.325	0.357



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	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 1	132322	1745	22.50	23.00	1.122	-	-	0.01	0.261	0.293
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	132322	1745	23.59	24.00	1.099	-	-	-0.01	0.510	0.560
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	132322	1745	22.50	23.00	1.122	-	-	0.03	0.475	0.533
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 1	132322	1745	24.33	25.00	1.167	-	-	0.11	0.145	0.169
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 1	132322	1745	23.28	24.00	1.180	-	-	-0.05	0.148	0.175
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	132322	1745	24.33	25.00	1.167	-	-	-0.04	0.326	0.380
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 6	132322	1745	23.28	24.00	1.180	-	-	0.18	0.277	0.327
	FR1 n66	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI 1	349000	1745	23.58	24.00	1.102	-	-	0.08	0.266	0.293
	FR1 n66	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI 1	349000	1745	23.45	24.00	1.135	-	-	0.01	0.266	0.302
	FR1 n66	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	349000	1745	23.58	24.00	1.102	-	-	0.03	0.618	0.681
65	FR1 n66	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	349000	1745	23.45	24.00	1.135	-	-	0.05	0.674	0.765
	FR1 n66	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	349000	1745	23.45	24.00	1.135	-	-	-0.05	0.238	0.270
	FR1 n66	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	349000	1745	23.34	24.00	1.164	-	-	0.01	0.229	0.267
	FR1 n66	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	349000	1745	23.45	24.00	1.135	-	-	0.01	0.384	0.436
	FR1 n66	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	349000	1745	23.34	24.00	1.164	-	-	0.1	0.372	0.433
	FR1 n66	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	349000	1745	23.84	24.00	1.038	-	-	0.13	0.109	0.113
	FR1 n66	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	349000	1745	23.80	24.00	1.047	-	-	0.12	0.120	0.126
	FR1 n66	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 6	349000	1745	23.84	24.00	1.038	-	-	0.03	0.272	0.282
	FR1 n66	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 6	349000	1745	23.80	24.00	1.047	-	-	0.01	0.280	0.293
1900MHz																				
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSI 1	9400	1880	23.62	24.50	1.225	-	-	0.18	0.180	0.220
66	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	DSI 6	9400	1880	23.62	24.50	1.225	-	-	-0.1	0.608	0.745
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	DSI 1	9400	1880	23.42	24.50	1.282	-	-	0.11	0.303	0.389
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	DSI 6	9400	1880	23.42	24.50	1.282	-	-	-0.08	0.357	0.458
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 1	26340	1880	22.98	24.00	1.265	-	-	0.08	0.117	0.148
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 1	26340	1880	22.17	23.00	1.211	-	-	0.01	0.093	0.113
67	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	26340	1880	22.98	24.00	1.265	-	-	0.03	0.532	0.673
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	26340	1880	22.17	23.00	1.211	-	-	-0.08	0.396	0.479
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 1	26340	1880	23.35	24.00	1.161	-	-	0.07	0.310	0.360
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 1	26340	1880	22.43	23.00	1.140	-	-	0.18	0.250	0.285
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	26340	1880	23.35	24.00	1.161	-	-	0.05	0.432	0.502
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	26340	1880	22.43	23.00	1.140	-	-	-0.1	0.405	0.462
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 1	26340	1880	24.03	25.00	1.250	-	-	-0.17	0.159	0.199
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 1	26340	1880	23.02	24.00	1.253	-	-	-0.08	0.127	0.159
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	26340	1880	24.03	25.00	1.250	-	-	0.04	0.358	0.448
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 6	26340	1880	23.02	24.00	1.253	-	-	-0.04	0.286	0.358
	FR1 n25	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI 1	376500	1882.5	23.39	24.00	1.151	-	-	0.08	0.331	0.381
	FR1 n25	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI 1	376500	1882.5	23.31	24.00	1.172	-	-	0.01	0.317	0.372
68	FR1 n25	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	376500	1882.5	23.39	24.00	1.151	-	-	0.05	0.477	0.549
	FR1 n25	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	376500	1882.5	23.31	24.00	1.172	-	-	0.03	0.463	0.543
	FR1 n25	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	376500	1882.5	23.34	24.00	1.164	-	-	-0.17	0.335	0.390
	FR1 n25	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	376500	1882.5	23.29	24.00	1.178	-	-	-0.03	0.339	0.399
	FR1 n25	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	376500	1882.5	23.34	24.00	1.164	-	-	0.03	0.427	0.497
	FR1 n25	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	376500	1882.5	23.29	24.00	1.178	-	-	0.14	0.410	0.483
	FR1 n25	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	376500	1882.5	23.68	24.00	1.076	-	-	0.1	0.144	0.155
	FR1 n25	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	376500	1882.5	23.59	24.00	1.099	-	-	-0.17	0.141	0.155
	FR1 n25	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 6	376500	1882.5	23.68	24.00	1.076	-	-	0.05	0.350	0.377
	FR1 n25	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 6	376500	1882.5	23.59	24.00	1.099	-	-	0.04	0.332	0.365
2300MHz																				
	LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 1	27710	2310	23.28	24.00	1.180	-	-	-0.04	0.633	0.747
	LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 0	DSI 1	27710	2310	22.36	23.00	1.159	-	-	-0.15	0.588	0.681
69	LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	27710	2310	21.40	22.00	1.148	-	-	0.01	0.972	1.116
	LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 0	DSI 6	27710	2310	21.32	22.00	1.169	-	-	-0.02	0.782	0.915
	LTE Band 30	10M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	27710	2310	21.31	22.00	1.172	-	-	0.1	0.840	0.985
	LTE Band 30	10M	QPSK	1	0	-	Back	17mm	Ant 0	DSI 1	27710	2310	23.28	24.00	1.180	-	-	0.02	0.330	0.390
	LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 1	27710	2310	22.63	24.00	1.371	-	-	0.06	0.199	0.273



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	LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 1	DSI 1	27710	2310	21.91	23.00	1.285	-	-	0.02	0.166	0.213
	LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	27710	2310	19.88	21.00	1.294	-	-	0.07	0.637	0.824
	LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 1	DSI 6	27710	2310	19.76	21.00	1.330	-	-	0.12	0.519	0.691
	LTE Band 30	10M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	27710	2310	19.71	21.00	1.346	-	-	-0.16	0.539	0.725
	LTE Band 30	10M	QPSK	1	0	-	Back	30mm	Ant 1	DSI 1	27710	2310	22.63	24.00	1.371	-	-	0.06	0.192	0.263
	LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 1	27710	2310	23.13	24.00	1.222	-	-	0.12	0.212	0.259
	LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 2	DSI 1	27710	2310	22.17	23.00	1.211	-	-	0.03	0.165	0.200
	LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	27710	2310	23.13	24.00	1.222	-	-	0.02	0.231	0.282
	LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 2	DSI 6	27710	2310	22.17	23.00	1.211	-	-	0.18	0.193	0.234
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI 1	462000	2310	23.35	24.00	1.161	-	-	0.08	0.231	0.268
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI 1	462000	2310	23.15	24.00	1.216	-	-	0.01	0.235	0.286
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	462000	2310	21.95	22.50	1.135	-	-	0.03	0.942	1.069
70	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	462000	2310	21.91	22.50	1.146	-	-	0.05	1.010	1.157
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	462000	2310	21.83	22.50	1.167	-	-	-0.08	0.741	0.865
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 0	DSI 1	462000	2310	23.35	24.00	1.161	-	-	0.01	0.470	0.546
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	462000	2310	23.40	24.00	1.148	-	-	-0.05	0.192	0.220
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	462000	2310	23.32	24.00	1.169	-	-	0.18	0.197	0.230
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	462000	2310	19.56	20.00	1.107	-	-	0.14	0.590	0.653
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	462000	2310	19.53	20.00	1.114	-	-	0.01	0.648	0.722
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	30mm	Ant 1	DSI 1	462000	2310	23.40	24.00	1.148	-	-	0.02	0.215	0.247
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	462000	2310	23.28	24.00	1.180	-	-	0.19	0.161	0.190
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	462000	2310	23.23	24.00	1.194	-	-	0.07	0.155	0.185
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 6	462000	2310	23.28	24.00	1.180	-	-	-0.18	0.226	0.267
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 6	462000	2310	23.23	24.00	1.194	-	-	0.03	0.265	0.316
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 1	21100	2535	22.74	24.00	1.337	-	-	-0.09	0.298	0.398
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 1	21100	2535	21.76	23.00	1.330	-	-	0.12	0.285	0.379
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	21100	2535	20.89	22.00	1.291	-	-	0.18	0.878	1.134
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	20850	2510	20.81	22.00	1.315	-	-	0.16	0.840	1.105
71	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	21350	2560	20.83	22.00	1.309	-	-	-0.08	0.911	1.193
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	21100	2535	20.84	22.00	1.306	-	-	-0.1	0.752	0.982
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	20850	2510	20.75	22.00	1.334	-	-	0.07	0.686	0.915
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	21350	2560	20.71	22.00	1.346	-	-	0.18	0.757	1.019
	LTE Band 7	20M	QPSK	100	0	-	Back	10mm	Ant 0	DSI 6	21100	2535	20.84	22.00	1.306	-	-	-0.1	0.724	0.946
	LTE Band 7	20M	QPSK	1	0	-	Back	17mm	Ant 0	DSI 1	21100	2535	22.74	24.00	1.337	-	-	0.01	0.435	0.581
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 1	21100	2535	23.67	24.00	1.079	-	-	-0.13	0.627	0.676
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 1	21100	2535	22.78	23.00	1.052	-	-	-0.03	0.491	0.517
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	21100	2535	20.87	21.00	1.030	-	-	-0.11	0.661	0.681
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	21100	2535	20.80	21.00	1.047	-	-	0.03	0.506	0.530
	LTE Band 7	20M	QPSK	1	0	-	Back	30mm	Ant 1	DSI 1	21100	2535	23.67	24.00	1.079	-	-	0.12	0.218	0.235
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 1	21100	2535	23.80	25.00	1.318	-	-	0.18	0.305	0.402
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 1	21100	2535	22.79	24.00	1.321	-	-	-0.1	0.234	0.309
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	21100	2535	20.96	22.00	1.271	-	-	0.01	0.619	0.786
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 6	21100	2535	20.87	22.00	1.297	-	-	0.19	0.500	0.649
	LTE Band 7	20M	QPSK	1	0	-	Back	18mm	Ant 2	DSI 1	21100	2535	23.80	25.00	1.318	-	-	-0.12	0.469	0.618
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 1	40620	2593	23.72	24.00	1.067	62.9	1.006	0.17	0.315	0.338
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 0	DSI 1	40620	2593	22.68	23.00	1.076	62.9	1.006	0.18	0.259	0.280
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	40620	2593	23.72	24.00	1.067	62.9	1.006	-0.04	0.892	0.957
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	39750	2506	23.52	24.00	1.117	62.9	1.006	-0.13	0.845	0.949
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	40185	2549.5	23.69	24.00	1.074	62.9	1.006	-0.13	0.769	0.831
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	41055	2636.5	23.67	24.00	1.079	62.9	1.006	0.06	0.711	0.772
72	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 0	DSI 6	41490	2680	23.66	24.00	1.081	62.9	1.006	0.02	0.925	1.006
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	40620	2593	22.68	23.00	1.076	62.9	1.006	-0.03	0.623	0.675
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	39750	2506	22.45	23.00	1.135	62.9	1.006	0.08	0.491	0.561
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	40185	2549.5	22.59	23.00	1.099	62.9	1.006	-0.07	0.566	0.626
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	41055	2636.5	22.65	23.00	1.084	62.9	1.006	0.05	0.504	0.550



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	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 0	DSI 6	41490	2680	22.55	23.00	1.109	62.9	1.006	-0.11	0.751	0.838
	LTE Band 41	20M	QPSK	100	0	-	Back	10mm	Ant 0	DSI 6	40620	2593	22.67	23.00	1.079	62.9	1.006	-0.12	0.691	0.750
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 1	DSI 1	40620	2593	23.98	25.00	1.265	62.9	1.006	-0.04	0.438	0.557
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 1	DSI 1	40620	2593	22.95	24.00	1.274	62.9	1.006	0.13	0.329	0.421
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	40620	2593	22.13	23.00	1.222	62.9	1.006	0.01	0.641	0.788
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	39750	2506	21.83	23.00	1.309	62.9	1.006	0.01	0.586	0.772
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	40185	2549.5	21.99	23.00	1.262	62.9	1.006	0.06	0.596	0.757
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	41055	2636.5	21.95	23.00	1.274	62.9	1.006	0.02	0.422	0.541
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 6	41490	2680	21.74	23.00	1.337	62.9	1.006	0.12	0.339	0.456
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	40620	2593	22.05	23.00	1.245	62.9	1.006	-0.16	0.529	0.662
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	39750	2506	21.77	23.00	1.327	62.9	1.006	0.07	0.518	0.692
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	40185	2549.5	21.96	23.00	1.271	62.9	1.006	-0.02	0.549	0.702
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	41055	2636.5	21.88	23.00	1.294	62.9	1.006	-0.05	0.324	0.422
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 1	DSI 6	41490	2680	21.68	23.00	1.355	62.9	1.006	-0.13	0.268	0.365
	LTE Band 41	20M	QPSK	100	0	-	Back	10mm	Ant 1	DSI 6	40620	2593	22.01	23.00	1.256	62.9	1.006	0.08	0.394	0.498
	LTE Band 41	20M	QPSK	1	0	-	Back	30mm	Ant 1	DSI 1	40620	2593	22.95	24.00	1.274	62.9	1.006	-0.02	0.115	0.147
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 1	40620	2593	23.97	25.00	1.268	62.9	1.006	-0.09	0.176	0.224
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 1	40620	2593	23.01	24.00	1.256	62.9	1.006	0.14	0.143	0.181
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	40620	2593	23.10	24.00	1.230	62.9	1.006	0.1	0.607	0.751
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	39750	2506	22.86	24.00	1.300	62.9	1.006	0.07	0.548	0.717
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	40185	2549.5	22.91	24.00	1.285	62.9	1.006	0.01	0.665	0.860
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	41055	2636.5	22.90	24.00	1.288	62.9	1.006	-0.09	0.541	0.701
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	41490	2680	22.97	24.00	1.268	62.9	1.006	-0.16	0.479	0.611
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 6	40620	2593	23.05	24.00	1.245	62.9	1.006	-0.18	0.495	0.620
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 6	39750	2506	22.85	24.00	1.303	62.9	1.006	0.11	0.464	0.608
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 6	40185	2549.5	22.82	24.00	1.312	62.9	1.006	-0.08	0.527	0.696
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 6	41055	2636.5	22.90	24.00	1.288	62.9	1.006	-0.1	0.427	0.553
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 6	41490	2680	22.94	24.00	1.276	62.9	1.006	-0.01	0.372	0.478
	LTE Band 41	20M	QPSK	100	0	-	Back	10mm	Ant 2	DSI 6	40620	2593	23.03	24.00	1.250	62.9	1.006	-0.09	0.449	0.565
	LTE Band 41	20M	QPSK	1	0	-	Back	18mm	Ant 2	DSI 1	40620	2593	23.97	25.00	1.268	62.9	1.006	-0.13	0.298	0.380
	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI 1	507000	2535	23.53	24.00	1.114	-	-	-0.15	0.295	0.329
	FR1 n7	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 0	DSI 1	507000	2535	23.41	24.00	1.146	-	-	0.03	0.292	0.334
	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	507000	2535	22.13	22.50	1.089	-	-	-0.13	0.842	0.917
73	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	502000	2510	22.01	22.50	1.119	-	-	0.19	0.900	1.007
	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	512000	2560	21.86	22.50	1.159	-	-	0.16	0.792	0.918
	FR1 n7	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	507000	2535	22.10	22.50	1.096	-	-	-0.15	0.785	0.861
	FR1 n7	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	502000	2510	21.99	22.50	1.125	-	-	-0.02	0.878	0.987
	FR1 n7	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	512000	2560	21.91	22.50	1.146	-	-	-0.09	0.763	0.874
	FR1 n7	20M	QPSK	100	0	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 6	507000	2535	22.00	22.50	1.122	-	-	0.14	0.799	0.896
	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 0	DSI 1	507000	2535	23.53	24.00	1.114	-	-	0.02	0.492	0.548
	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	507000	2535	23.45	24.00	1.135	-	-	0.16	0.418	0.474
	FR1 n7	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 1	DSI 1	507000	2535	23.42	24.00	1.143	-	-	-0.16	0.420	0.480
	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	507000	2535	21.68	22.00	1.076	-	-	-0.15	0.681	0.733
	FR1 n7	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 1	DSI 6	507000	2535	21.66	22.00	1.081	-	-	0.05	0.543	0.587
	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Back	30mm	Ant 1	DSI 1	507000	2535	23.45	24.00	1.135	-	-	0.01	0.171	0.194
	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	507000	2535	23.33	24.00	1.167	-	-	0.08	0.077	0.090
	FR1 n7	20M	QPSK	50	28	DFT-SCS-15KHz	Front	10mm	Ant 2	DSI 1	507000	2535	23.20	24.00	1.202	-	-	0.01	0.083	0.100
	FR1 n7	20M	QPSK	1	1	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 6	507000	2535	23.33	24.00	1.167	-	-	0.03	0.497	0.580
	FR1 n7	20M	QPSK	50	28	DFT-SCS-15KHz	Back	10mm	Ant 2	DSI 6	507000	2535	23.20	24.00	1.202	-	-	-0.08	0.494	0.594
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 0	DSI 1	518598	2592.99	23.15	24.00	1.216	-	-	0.05	0.325	0.395
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 0	DSI 1	518598	2592.99	22.95	24.00	1.274	-	-	0	0.397	0.506
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 6	518598	2592.99	21.76	22.50	1.186	-	-	0.07	0.891	1.057
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 6	518598	2592.99	21.67	22.50	1.211	-	-	-0.05	0.850	1.029
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 6	518598	2592.99	21.54	22.50	1.247	-	-	-0.13	0.787	0.982
74	FR1 n41-HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 0	DSI 6	518598	2592.99	24.91	25.50	1.146	50	1.000	0.01	0.924	1.058
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 0	DSI 1	518598	2592.99	23.15	24.00	1.216	-	-	0.03	0.416	0.506



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	FR1 n41-HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 0	DSI 1	518598	2592.99	26.55	27.00	1.109	50	1.000	0.02	0.495	0.549
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI 1	518598	2592.99	23.29	24.00	1.178	-	-	0.02	0.467	0.550
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI 1	518598	2592.99	23.25	24.00	1.189	-	-	0.09	0.442	0.525
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI 6	518598	2592.99	23.29	24.00	1.178	-	-	0.01	0.654	0.770
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI 6	518598	2592.99	23.25	24.00	1.189	-	-	0.05	0.495	0.588
	FR1 n41-HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI 6	518598	2592.99	26.18	27.00	1.208	50	1.000	0.09	0.648	0.783
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 2	DSI 1	518598	2592.99	23.82	25.00	1.312	-	-	-0.08	0.096	0.126
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 2	DSI 1	518598	2592.99	23.74	25.00	1.337	-	-	0.05	0.091	0.122
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 2	DSI 6	518598	2592.99	23.82	25.00	1.312	-	-	0.01	0.515	0.676
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 2	DSI 6	518598	2592.99	23.74	25.00	1.337	-	-	0.06	0.438	0.585
	FR1 n41-HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 2	DSI 6	518598	2592.99	26.65	27.00	1.084	50	1.000	0.01	0.537	0.582
3500MHz																				
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	10mm	Ant 2	DSI 1	42590	3500	24.83	26.00	1.309	62.9	1.006	-0.13	0.105	0.138
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	10mm	Ant 2	DSI 1	42590	3500	23.80	25.00	1.318	62.9	1.006	0.17	0.085	0.113
75	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	10mm	Ant 2	DSI 6	42590	3500	24.83	26.00	1.309	62.9	1.006	0.06	0.420	0.553
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	10mm	Ant 2	DSI 6	42590	3500	23.80	25.00	1.318	62.9	1.006	-0.04	0.370	0.491
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	10mm	Ant 3	DSI 1	42590	3500	21.85	22.00	1.035	62.9	1.006	-0.14	0.103	0.107
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	10mm	Ant 3	DSI 1	42590	3500	20.94	21.00	1.014	62.9	1.006	-0.19	0.085	0.087
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	10mm	Ant 3	DSI 1	42590	3500	21.85	22.00	1.035	62.9	1.006	-0.06	0.451	0.470
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	10mm	Ant 3	DSI 1	42590	3500	20.94	21.00	1.014	62.9	1.006	0.02	0.386	0.394
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	10mm	Ant 6	DSI 1	42590	3500	25.57	26.00	1.104	62.9	1.006	-0.01	0.250	0.278
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	10mm	Ant 6	DSI 1	42590	3500	24.75	25.00	1.059	62.9	1.006	-0.09	0.207	0.221
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	10mm	Ant 6	DSI 6	42590	3500	22.67	23.00	1.079	62.9	1.006	0.09	0.427	0.463
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	10mm	Ant 6	DSI 6	42590	3500	22.60	23.00	1.096	62.9	1.006	-0.01	0.327	0.361
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	14mm	Ant 6	DSI 1	42590	3500	25.57	26.00	1.104	62.9	1.006	0.16	0.480	0.533
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	10mm	Ant 5	DSI 1	42590	3500	23.10	24.00	1.230	62.9	1.006	0.01	0.110	0.136
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	10mm	Ant 5	DSI 1	42590	3500	22.05	23.00	1.245	62.9	1.006	-0.16	0.090	0.113
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	10mm	Ant 5	DSI 1	42590	3500	23.10	24.00	1.230	62.9	1.006	0.1	0.169	0.209
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	10mm	Ant 5	DSI 1	42590	3500	22.05	23.00	1.245	62.9	1.006	-0.04	0.136	0.170
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 2	DSI 1	656000	3840	23.13	24.00	1.222	-	-	0.06	0.215	0.263
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 2	DSI 1	656000	3840	22.85	24.00	1.303	-	-	-0.09	0.247	0.322
76	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 2	DSI 6	656000	3840	20.12	21.00	1.225	-	-	0.04	0.609	0.746
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 2	DSI 6	656000	3840	20.06	21.00	1.242	-	-	-0.08	0.586	0.728
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 2	Simultaneous	656000	3840	17.18	18.00	1.208	-	-	0.07	0.129	0.156
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 2	Simultaneous	656000	3840	17.18	18.00	1.208	-	-	0.18	0.311	0.376
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 2	DSI 6	656000	3840	23.60	24.00	1.096	50	1.000	0.01	0.647	0.709
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	18mm	Ant 2	DSI 1	656000	3840	23.13	24.00	1.222	-	-	0.1	0.522	0.638
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	18mm	Ant 2	DSI 1	656000	3840	26.44	27.00	1.138	50	1.000	-0.01	0.511	0.581
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 2	DSI 1	633334	3500.01	22.72	24.00	1.343	-	-	0.08	0.142	0.191
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 2	DSI 1	633334	3500.01	22.68	24.00	1.355	-	-	0.01	0.119	0.161
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 2	DSI 6	633334	3500.01	19.79	21.00	1.321	-	-	0.06	0.283	0.374
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 2	DSI 6	633334	3500.01	19.72	21.00	1.343	-	-	-0.08	0.262	0.352
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 2	Simultaneous	633334	3500.01	16.84	18.00	1.306	-	-	0.01	0.077	0.101
	FR1 n77 Part 27Q ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 2	Simultaneous	633334	3500.01	16.84	18.00	1.306	-	-	0.02	0.149	0.195
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 2	DSI 6	633334	3500.01	22.83	24.00	1.309	50	1.000	0.01	0.286	0.374
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	18mm	Ant 2	DSI 1	633334	3500.01	22.72	24.00	1.343	-	-	-0.11	0.175	0.235
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	18mm	Ant 2	DSI 1	633334	3500.01	25.74	27.00	1.337	50	1.000	-0.15	0.179	0.239
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI 1	656000	3840	23.44	24.00	1.138	-	-	0.16	0.067	0.076
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI 1	656000	3840	23.31	24.00	1.172	-	-	0.05	0.075	0.088
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 1	656000	3840	23.44	24.00	1.138	-	-	0.05	0.281	0.320
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 1	656000	3840	23.31	24.00	1.172	-	-	0.01	0.379	0.444
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 1	656000	3840	26.32	27.00	1.169	50	1.000	-0.03	0.381	0.446
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	Simultaneous	656000	3840	25.44	26.00	1.138	50	1.000	0.14	0.065	0.074
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	Simultaneous	656000	3840	25.44	26.00	1.138	50	1.000	0.11	0.301	0.342
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI 1	633334	3500.01	22.96	24.00	1.271	-	-	-0.03	0.061	0.078
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI 1	633334	3500.01	22.83	24.00	1.309	-	-	0.07	0.047	0.062



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	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 1	633334	3500.01	22.96	24.00	1.271	-	-	0	0.233	0.296
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 1	633334	3500.01	22.83	24.00	1.309	-	-	0.01	0.212	0.278
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 1	633334	3500.01	26.01	27.00	1.256	50	1.000	0	0.246	0.309
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 3	Simultaneous	633334	3500.01	25.11	26.00	1.227	50	1.000	0.17	0.051	0.063
	FR1 n77 Part 27Q HPUE ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 3	Simultaneous	633334	3500.01	25.11	26.00	1.227	50	1.000	-0.05	0.205	0.252
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 1	656000	3840	24.69	25.00	1.074	-	-	-0.03	0.045	0.048
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 1	656000	3840	24.52	25.00	1.117	-	-	0.08	0.065	0.073
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 6	656000	3840	22.76	23.00	1.057	-	-	0.04	0.362	0.383
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 6	656000	3840	22.71	23.00	1.069	-	-	-0.11	0.323	0.345
	FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 6	656000	3840	24.65	25.00	1.084	50	1.000	0.05	0.301	0.326
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	14mm	Ant 6	DSI 1	656000	3840	24.69	25.00	1.074	-	-	-0.09	0.601	0.645
	FR1 n77 Part 27O HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	14mm	Ant 6	DSI 1	656000	3840	26.54	27.00	1.112	50	1.000	0.14	0.489	0.544
	FR1 n77 Part 27O ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	Simultaneous	656000	3840	19.80	20.00	1.047	-	-	-0.01	0.024	0.025
	FR1 n77 Part 27O ENDC	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	Simultaneous	656000	3840	19.80	20.00	1.047	-	-	-0.08	0.192	0.201
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 1	633334	3500.01	24.06	25.00	1.242	-	-	-0.17	0.153	0.190
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	DSI 1	633334	3500.01	23.92	25.00	1.282	-	-	-0.08	0.182	0.233
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 6	633334	3500.01	22.15	23.00	1.216	-	-	-0.04	0.356	0.433
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 6	633334	3500.01	22.13	23.00	1.222	-	-	0.04	0.457	0.558
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	DSI 6	633334	3500.01	23.98	25.00	1.265	50	1.000	-0.08	0.371	0.469
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	14mm	Ant 6	DSI 1	633334	3500.01	24.06	25.00	1.242	-	-	-0.09	0.501	0.622
	FR1 n77 Part 27Q HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	14mm	Ant 6	DSI 1	633334	3500.01	25.97	27.00	1.268	50	1.000	0.07	0.364	0.461
	FR1 n77 Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 6	Simultaneous	633334	3500.01	19.16	20.00	1.213	-	-	0.13	0.059	0.072
	FR1 n77 Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 6	Simultaneous	633334	3500.01	19.16	20.00	1.213	-	-	0.12	0.239	0.290
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 1	656000	3840	23.18	24.00	1.208	-	-	0.08	0.248	0.300
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 1	656000	3840	23.13	24.00	1.222	-	-	0.01	0.280	0.342
	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	656000	3840	23.18	24.00	1.208	-	-	0.03	0.511	0.617
	FR1 n77 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	656000	3840	23.13	24.00	1.222	-	-	-0.08	0.509	0.622
	FR1 n77 Part 27O HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	656000	3840	26.02	27.00	1.253	50	1.000	0.01	0.489	0.613
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 1	633334	3500.01	22.89	24.00	1.291	-	-	0.14	0.172	0.222
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 1	633334	3500.01	22.67	24.00	1.358	-	-	0.11	0.166	0.225
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	633334	3500.01	22.89	24.00	1.291	-	-	-0.05	0.306	0.395
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	633334	3500.01	22.67	24.00	1.358	-	-	0.18	0.293	0.398
	FR1 n77 Part 27Q HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 1	633334	3500.01	25.60	27.00	1.380	50	1.000	0.01	0.286	0.395

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)
2450MHz																
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 8+9(9)	Full Power	1	2412	19.18	21.00	1.521	100	1.000	-0.08	0.205	0.312
77	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 8+9(9)	Full Power	1	2412	19.18	21.00	1.521	100	1.000	0.17	0.348	0.529
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 8+9(9)	Simultaneous	1	2412	18.26	20.00	1.493	100	1.000	0.17	0.246	0.367
	Bluetooth	1Mbps	Front	10mm	Ant 8	Full Power	39	2441	7.78	9.50	1.485	76.67	1.086	0.02	0.007	0.011
78	Bluetooth	1Mbps	Back	10mm	Ant 8	Full Power	39	2441	7.78	9.50	1.485	76.67	1.086	0.18	0.011	0.018
5000MHz																
	WLAN5.3GHz	802.11a 6Mbps	Front	10mm	Ant 8+9(9)	Full Power	64	5320	18.69	20.50	1.517	99.32	1.007	0.02	0.301	0.460
79	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8+9(9)	Sensor on	58	5290	16.09	18.00	1.552	100	1.000	-0.01	0.748	1.161
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 8+9(8)	Simultaneous	50	5250	11.89	13.50	1.449	100	1.000	0.01	0.089	0.129
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 8+9(8)	Simultaneous	50	5250	11.89	13.50	1.449	100	1.000	0.02	0.233	0.338
	WLAN5.3GHz	802.11a 6Mbps	Back	14mm	Ant 8+9(9)	Full Power	64	5320	18.69	20.50	1.517	99.32	1.007	0.02	0.506	0.773
	WLAN5.5GHz	802.11a 6Mbps	Front	10mm	Ant 8+9(9)	Full Power	140	5700	18.15	20.00	1.531	99.32	1.007	0.1	0.293	0.452
80	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8+9(9)	Sensor on	106	5530	16.73	18.50	1.503	100	1.000	0.12	0.725	1.090
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 8+9(9)	Simultaneous	106	5530	11.75	13.50	1.496	100	1.000	0.01	0.084	0.126
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8+9(9)	Simultaneous	106	5530	11.75	13.50	1.496	100	1.000	0.07	0.232	0.347
	WLAN5.5GHz	802.11a 6Mbps	Back	14mm	Ant 8+9(9)	Full Power	140	5700	18.15	20.00	1.531	99.32	1.007	0.03	0.498	0.768
	WLAN5.8GHz	802.11a 6Mbps	Front	10mm	Ant 8+9(9)	Full Power	165	5825	19.11	21.00	1.545	99.32	1.007	0.08	0.411	0.640
81	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8+9(9)	Sensor on	155	5775	17.38	19.00	1.452	100	1.000	-0.04	0.801	1.163
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 8+9(9)	Simultaneous	155	5775	12.38	14.00	1.452	100	1.000	0.01	0.092	0.134
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8+9(9)	Simultaneous	155	5775	12.38	14.00	1.452	100	1.000	0.01	0.225	0.327
	WLAN5.8GHz	802.11a 6Mbps	Back	14mm	Ant 8+9(9)	Full Power	165	5825	19.11	21.00	1.545	99.32	1.007	0.02	0.538	0.837

15.4 Product specific 10g 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)
5000MHz																
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 8+9(9)	Full Power	64	5320	18.69	20.50	1.517	99.32	1.007	0.12	0.335	0.512
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8+9(9)	Sensor on	58	5290	16.09	18.00	1.552	100	1.000	0.03	1.070	1.661
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Ant 8+9(9)	Full Power	64	5320	18.69	20.50	1.517	99.32	1.007	0.18	0.033	0.050
82	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 8+9(9)	Sensor on	58	5290	16.09	18.00	1.552	100	1.000	-0.02	1.210	1.878
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 8+9(9)	Full Power	64	5320	18.69	20.50	1.517	99.32	1.007	0.16	0.219	0.335
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 8+9(8)	Simultaneous	50	5250	11.89	13.50	1.449	100	1.000	0.01	0.410	0.594
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 8+9(8)	Simultaneous	50	5250	11.89	13.50	1.449	100	1.000	0.02	0.513	0.743
	WLAN5.3GHz	802.11a 6Mbps	Back	14mm	Ant 8+9(9)	Full Power	64	5320	18.69	20.50	1.517	99.32	1.007	0.16	0.349	0.533
	WLAN5.3GHz	802.11a 6Mbps	Right Side	15mm	Ant 8+9(9)	Full Power	64	5320	18.69	20.50	1.517	99.32	1.007	0.05	0.370	0.565
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 8+9(9)	Full Power	140	5700	18.15	20.00	1.531	99.32	1.007	0.1	0.406	0.626
83	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8+9(9)	Sensor on	106	5530	16.73	18.50	1.503	100	1.000	-0.01	0.834	1.254
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Ant 8+9(9)	Full Power	140	5700	18.15	20.00	1.531	99.32	1.007	0.04	0.022	0.034
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 8+9(9)	Sensor on	106	5530	16.73	18.50	1.503	100	1.000	-0.01	0.678	1.019
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 8+9(9)	Full Power	140	5700	18.15	20.00	1.531	99.32	1.007	-0.08	0.191	0.294
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8+9(9)	Simultaneous	106	5530	11.75	13.50	1.496	100	1.000	-0.01	0.244	0.365
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 8+9(9)	Simultaneous	106	5530	11.75	13.50	1.496	100	1.000	0.02	0.311	0.465
	WLAN5.5GHz	802.11a 6Mbps	Back	14mm	Ant 8+9(9)	Full Power	140	5700	18.15	20.00	1.531	99.32	1.007	-0.06	0.353	0.544
	WLAN5.5GHz	802.11a 6Mbps	Right Side	15mm	Ant 8+9(9)	Full Power	140	5700	18.15	20.00	1.531	99.32	1.007	-0.13	0.324	0.500
	WLAN5.8GHz	802.11a 6Mbps	Front	0mm	Ant 8+9(9)	Full Power	165	5825	19.11	21.00	1.545	99.32	1.007	0.14	0.501	0.780
84	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8+9(9)	Sensor on	155	5775	17.38	19.00	1.452	100	1.000	-0.14	1.010	1.467
	WLAN5.8GHz	802.11a 6Mbps	Left Side	0mm	Ant 8+9(9)	Full Power	165	5825	19.11	21.00	1.545	99.32	1.007	0.14	0.017	0.026
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 8+9(9)	Sensor on	155	5775	17.38	19.00	1.452	100	1.000	-0.17	0.845	1.227
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 8+9(9)	Full Power	165	5825	19.11	21.00	1.545	99.32	1.007	0.01	0.320	0.498
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8+9(9)	Simultaneous	155	5775	12.38	14.00	1.452	100	1.000	0.01	0.339	0.492
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 8+9(9)	Simultaneous	155	5775	12.38	14.00	1.452	100	1.000	0.01	0.231	0.335
	WLAN5.8GHz	802.11a 6Mbps	Back	14mm	Ant 8+9(9)	Full Power	165	5825	19.11	21.00	1.545	99.32	1.007	-0.01	0.381	0.593
	WLAN5.8GHz	802.11a 6Mbps	Right Side	15mm	Ant 8+9(9)	Full Power	165	5825	19.11	21.00	1.545	99.32	1.007	-0.11	0.337	0.524



15.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	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)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	4233	846.6	23.86	24.50	1.159	-	-	0.05	0.818	1	0.948
2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	4233	846.6	23.86	24.50	1.159	-	-	0.01	0.805	1.016	0.933
1st	FR1 n66	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	354000	1770	22.08	23.00	1.236	-	-	0.07	0.988	1	1.221
2nd	FR1 n66	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	354000	1770	22.08	23.00	1.236	-	-	0.01	0.951	1.039	1.175
1st	FR1 n25	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	21.48	22.00	1.127	-	-	0.08	1.000	1	1.127
2nd	FR1 n25	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	376500	1882.5	21.48	22.00	1.127	-	-	0.01	0.953	1.049	1.074
1st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 7	462000	2310	21.91	22.50	1.146	-	-	0.05	1.010	1	1.157
2nd	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	10mm	Ant 0	DSI 7	462000	2310	21.91	22.50	1.146	-	-	0.01	0.956	1.056	1.095
1st	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	40620	2593	21.09	22.00	1.233	62.9	1.006	0.15	0.992	1	1.231
2nd	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	40620	2593	21.09	22.00	1.233	62.9	1.006	0.03	0.951	1.043	1.180
1st	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	656000	3840	25.08	26.00	1.236	50	1.000	0.06	0.985	1	1.217
2nd	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	656000	3840	25.08	26.00	1.236	50	1.000	0.03	0.938	1.050	1.159
1st	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	10mm	Ant 8+9(9)	Sensor on	155	5775	17.38	19.00	1.452	100	1.000	-0.04	0.801	1	1.163
2nd	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	10mm	Ant 8+9(9)	Sensor on	155	5775	17.38	19.00	1.452	100	1.000	0.01	0.756	1.060	1.098

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
2. 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.
3. 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.
4. The ratio is the difference in percentage between original and repeated *measured* SAR.
5. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

15.6 TDD NR Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE 5GNR n41/n77. The highest available duty cycle for Power Class 2 operation is 50% 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 for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

FR1 n41(HPUE)-Linearity Data for Head Ant 0			FR1 n41(HPUE)-Linearity Data for Head Ant 1			FR1 n41(HPUE)-Linearity Data for Head Ant 2		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	20.50	23.50	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.158	0.147	Reported 1g SAR (W/kg)	1.158	1.178	Reported 1g SAR (W/kg)	0.249	0.210
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	112.20	111.94	Frame Averaged (mW)	316.23	250.59
Linearity SAR (W/kg)	0.158		Linearity SAR (W/kg)	1.155		Linearity SAR (W/kg)	0.197	
% deviation from expected linearity		-6.74%	% deviation from expected linearity		1.97%	% deviation from expected linearity		6.43%
FR1 n41(HPUE)-Linearity Data for Body-worn Ant 0			FR1 n41(HPUE)-Linearity Data for Body-worn Ant 1			FR1 n41(HPUE)-Linearity Data for Body-worn Ant 2		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	22.50	25.50	Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	1.057	1.058	Reported 1g SAR (W/kg)	0.770	0.783	Reported 1g SAR (W/kg)	0.676	0.582
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	177.83	177.41	Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	316.23	250.59
Linearity SAR (W/kg)	1.054		Linearity SAR (W/kg)	0.768		Linearity SAR (W/kg)	0.536	
% deviation from expected linearity		0.33%	% deviation from expected linearity		1.93%	% deviation from expected linearity		8.64%
FR1 n41(HPUE)-Linearity Data for Hotspot Ant 0			FR1 n41(HPUE)-Linearity Data for Hotspot Ant 1			FR1 n41(HPUE)-Linearity Data for Hotspot Ant 2		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	22.50	25.50	Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	1.057	1.058	Reported 1g SAR (W/kg)	0.770	0.783	Reported 1g SAR (W/kg)	0.676	0.582
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	177.83	177.41	Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	316.23	250.59
Linearity SAR (W/kg)	1.054		Linearity SAR (W/kg)	0.768		Linearity SAR (W/kg)	0.536	
% deviation from expected linearity		0.33%	% deviation from expected linearity		1.93%	% deviation from expected linearity		8.64%

FR1 n77 Part 270(HPUE)-Linearity Data for Head Ant 2			FR1 n77 Part 270(HPUE)-Linearity Data for Head Ant 3		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.528	0.504	Reported 1g SAR (W/kg)	0.077	0.081
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.527		Linearity SAR (W/kg)	0.077	
% deviation from expected linearity		-4.32%	% deviation from expected linearity		5.44%
FR1 n77 Part 270(HPUE)-Linearity Data for Body-worn Ant 2			FR1 n77 Part 270(HPUE)-Linearity Data for Body-worn Ant 3		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.746	0.709	Reported 1g SAR (W/kg)	0.509	0.492
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.744		Linearity SAR (W/kg)	0.508	
% deviation from expected linearity		-4.73%	% deviation from expected linearity		-3.11%
FR1 n77 Part 270(HPUE)-Linearity Data for Hotspot Ant 2			FR1 n77 Part 270(HPUE)-Linearity Data for Hotspot Ant 3		
	FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	24.00	27.00



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Reported 1g SAR (W/kg)	0.757	0.762	Reported 1g SAR (W/kg)	0.509	0.492
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.755		Linearity SAR (W/kg)	0.508	
% deviation from expected linearity		0.90%	% deviation from expected linearity		-3.11%

FR1 n77 Part 27O(HPUE)-Linearity Data for Head Ant 6			FR1 n77 Part 27O(HPUE)-Linearity Data for Head Ant 5		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)		FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	25.00	27.00	Maximum Tune up Power (dBm)	23.00	26.00
Reported 1g SAR (W/kg)	0.187	0.155	Reported 1g SAR (W/kg)	1.195	1.217
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	250.59	Frame Averaged (mW)	199.53	199.05
Linearity SAR (W/kg)	0.148		Linearity SAR (W/kg)	1.192	
% deviation from expected linearity		4.60%	% deviation from expected linearity		2.08%
FR1 n77 Part 27O(HPUE)-Linearity Data for Body-worn Ant 6			FR1 n77 Part 27O(HPUE)-Linearity Data for Body-worn Ant 5		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)		FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	23.00	25.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.383	0.326	Reported 1g SAR (W/kg)	0.622	0.613
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	158.11	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.304		Linearity SAR (W/kg)	0.621	
% deviation from expected linearity		7.41%	% deviation from expected linearity		-1.21%
FR1 n77 Part 27O(HPUE)-Linearity Data for Hotspot Ant 6			FR1 n77 Part 27O(HPUE)-Linearity Data for Hotspot Ant 5		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)		FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	23.00	25.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.383	0.326	Reported 1g SAR (W/kg)	0.864	0.830
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	158.11	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.304		Linearity SAR (W/kg)	0.862	
% deviation from expected linearity		7.41%	% deviation from expected linearity		-3.71%

FR1 n77 Part 27Q(HPUE)-Linearity Data for Head Ant 2			FR1 n77 Part 27Q(HPUE)-Linearity Data for Head Ant 3		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.530	0.541	Reported 1g SAR (W/kg)	0.089	0.097
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.529		Linearity SAR (W/kg)	0.089	
% deviation from expected linearity		2.32%	% deviation from expected linearity		9.25%
FR1 n77 Part 27Q(HPUE)-Linearity Data for Body-worn Ant 2			FR1 n77 Part 27Q(HPUE)-Linearity Data for Body-worn Ant 3		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.374	0.374	Reported 1g SAR (W/kg)	0.296	0.309
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.373		Linearity SAR (W/kg)	0.295	
% deviation from expected linearity		0.24%	% deviation from expected linearity		4.64%
FR1 n77 Part 27Q(HPUE)-Linearity Data for Hotspot Ant 2			FR1 n77 Part 27Q(HPUE)-Linearity Data for Hotspot Ant 3		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.389	0.386	Reported 1g SAR (W/kg)	0.296	0.309
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.388		Linearity SAR (W/kg)	0.295	
% deviation from expected linearity		-0.54%	% deviation from expected linearity		4.64%

FR1 n77 Part 27Q(HPUE)-Linearity Data for Head Ant 6			FR1 n77 Part 27Q(HPUE)-Linearity Data for Head Ant 5		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	25.00	27.00	Maximum Tune up Power (dBm)	23.00	26.00
Reported 1g SAR (W/kg)	0.091	0.072	Reported 1g SAR (W/kg)	0.747	0.758
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	250.59	Frame Averaged (mW)	199.53	199.05
Linearity SAR (W/kg)	0.072		Linearity SAR (W/kg)	0.745	
% deviation from expected linearity		-0.16%	% deviation from expected linearity		1.71%
FR1 n77 Part 27Q(HPUE)-Linearity Data for Body-worn Ant 6			FR1 n77 Part 27Q(HPUE)-Linearity Data for Body-worn Ant 5		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	23.00	25.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.558	0.469	Reported 1g SAR (W/kg)	0.398	0.395
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	158.11	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.442		Linearity SAR (W/kg)	0.397	
% deviation from expected linearity		6.06%	% deviation from expected linearity		-0.52%
FR1 n77 Part 27Q(HPUE)-Linearity Data for Hotspot Ant 6			FR1 n77 Part 27Q(HPUE)-Linearity Data for Hotspot Ant 5		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	23.00	25.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.558	0.469	Reported 1g SAR (W/kg)	0.515	0.527
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	158.11	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.442		Linearity SAR (W/kg)	0.514	
% deviation from expected linearity		6.06%	% deviation from expected linearity		2.57%
FR1 n41(HPUE)-Linearity Data for Body-worn Ant 0					
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)			
Maximum Tune up Power (dBm)	24.00	27.00			
Reported 1g SAR (W/kg)	0.506	0.549			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	251.19	250.59			
Linearity SAR (W/kg)	0.505				
% deviation from expected linearity		8.76%			
FR1 n77 Part 27Q(HPUE)-Linearity Data for Body-worn Ant 2			FR1 n77 Part 27Q(HPUE)-Linearity Data for Body-worn Ant 6		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.638	0.581	Reported 1g SAR (W/kg)	0.645	0.544
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	316.23	250.59
Linearity SAR (W/kg)	0.636		Linearity SAR (W/kg)	0.511	
% deviation from expected linearity		-8.72%	% deviation from expected linearity		6.43%
FR1 n77 Part 27Q(HPUE)-Linearity Data for Body-worn Ant 2			FR1 n77 Part 27Q(HPUE)-Linearity Data for Body-worn Ant 6		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.235	0.239	Reported 1g SAR (W/kg)	0.622	0.461
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	316.23	250.59
Linearity SAR (W/kg)	0.234		Linearity SAR (W/kg)	0.493	
% deviation from expected linearity		1.94%	% deviation from expected linearity		-6.47%
FR1 n77 RSS 198-Linearity Data for Body-worn Ant 2			FR1 n77 RSS 198-Linearity Data for Body-worn Ant 6		
	FR1 n77 RSS 198 (Power Class 3)	FR1 n77 RSS 198 (Power Class 2)		FR1 n77 RSS 198 (Power Class 3)	FR1 n77 RSS 198 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.487	0.469	Reported 1g SAR (W/kg)	0.547	0.430
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%



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Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	316.23	250.59
Linearity SAR (W/kg)	0.486		Linearity SAR (W/kg)	0.433	
% deviation from expected linearity		-3.47%	% deviation from expected linearity		-0.80%
FR1 n41(HPUE)-Linearity Data for Hotspot Ant 0					
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)			
Maximum Tune up Power (dBm)	24.00	27.00			
Reported 1g SAR (W/kg)	0.663	0.606			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	251.19	250.59			
Linearity SAR (W/kg)	0.661				
% deviation from expected linearity		-8.38%			
FR1 n77 Part 27O(HPUE)-Linearity Data for Hotspot Ant 2			FR1 n77 Part 27O(HPUE)-Linearity Data for Hotspot Ant 6		
	FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)		FR1 n77 Part 27O (Power Class 3)	FR1 n77 Part 27O (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.638	0.581	Reported 1g SAR (W/kg)	0.645	0.544
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	316.23	250.59
Linearity SAR (W/kg)	0.636		Linearity SAR (W/kg)	0.511	
% deviation from expected linearity		-8.72%	% deviation from expected linearity		6.43%
FR1 n77 Part 27Q(HPUE)-Linearity Data for Hotspot Ant 2			FR1 n77 Part 27Q(HPUE)-Linearity Data for Hotspot Ant 6		
	FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)		FR1 n77 Part 27Q (Power Class 3)	FR1 n77 Part 27Q (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.357	0.365	Reported 1g SAR (W/kg)	0.622	0.461
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	316.23	250.59
Linearity SAR (W/kg)	0.356		Linearity SAR (W/kg)	0.493	
% deviation from expected linearity		2.48%	% deviation from expected linearity		-6.47%
FR1 n77 RSS 198-Linearity Data for Hotspot Ant 2			FR1 n77 RSS 198-Linearity Data for Hotspot Ant 6		
	FR1 n77 RSS 198 (Power Class 3)	FR1 n77 RSS 198 (Power Class 2)		FR1 n77 RSS 198 (Power Class 3)	FR1 n77 RSS 198 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.535	0.503	Reported 1g SAR (W/kg)	0.547	0.430
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	316.23	250.59
Linearity SAR (W/kg)	0.534		Linearity SAR (W/kg)	0.433	
% deviation from expected linearity		-5.76%	% deviation from expected linearity		-0.80%

16. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + 2.4GHz WLAN	Yes	Yes	Yes	Yes
2.	WWAN + 5GHz WLAN	Yes	Yes		Yes
3.	WWAN + 6GHz WLAN	Yes	Yes		Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	2.4GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
6.	5GHz WLAN + Bluetooth	Yes	Yes		Yes
7.	6GHz WLAN + Bluetooth	Yes	Yes		Yes
8.	WWAN +2.4GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
9.	WWAN +5GHz WLAN + Bluetooth	Yes	Yes		Yes
10.	WWAN +6GHz WLAN + Bluetooth	Yes	Yes		Yes
11.	WWAN + 2.4GHz WLAN+ NFC				Yes
12.	WWAN + 5GHz/6GHz WLAN+ NFC				Yes
13.	WWAN + Bluetooth+ NFC				Yes
14.	2.4GHz WLAN + Bluetooth+ NFC				Yes
15.	5GHz/6GHz WLAN + Bluetooth+ NFC				Yes
16.	WWAN +2.4GHz WLAN + Bluetooth+ NFC				Yes
17.	WWAN +5GHz/6GHz WLAN + Bluetooth+ NFC				Yes

General Note:

- This device supports VoIP in WCDMA, LTE and 5GNR (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- EUT will choose each WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For 5GNR EN-DC mode, standalone SAR performed for 5GNR band with the maximum power, EN-DC SAR summed 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- The device 5GHz/6GHz WLAN has no hotspot function.
- WLAN2.4GHz/5GHz/6GHz MIMO SAR can represent SISO SAR to do co-located SAR analysis.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can't transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- According to the EUT characteristic, WLAN 2.4GHz and Bluetooth can transmit simultaneously on different antennas. But WLAN 2.4GHz Ant8 and Bluetooth share the same antenna so can't transmit simultaneously.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For distance SAR and non-distance SAR at extremity exposure conditions always chose higher SAR to do co-located analysis.
- For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each band.
- When EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE bands within the selected antenna per each test position and also the worst SAR of the selected 5GNR Bands within the selected antenna to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5GNR band.
- The maximum SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, 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.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.

- iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
- v) The SPLSR calculated results please refer to section 16.5.

16.1 Head Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+2+4	1+3+4	1+4+5
		WWAN	WLAN2.4GHz Ant 8+9	WLAN5GHz Ant 8+9	Bluetooth Ant 8	WLAN6GHz Ant 8+9	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Band Ant0	Right Cheek	0.167	0.201	0.182	0.024	0.177	0.37	0.39	0.37	0.37
	Right Tilted	0.084	0.168	0.208	0.010	0.176	0.25	0.26	0.30	0.27
	Left Cheek	0.187	0.359	0.359	0.045	0.300	0.55	0.59	0.59	0.53
	Left Tilted	0.091	0.260	0.274	0.024	0.195	0.35	0.38	0.39	0.31
All Band Ant1	Right Cheek	0.826	0.201	0.182	0.024	0.177	1.03	1.05	1.03	1.03
	Right Tilted	0.543	0.168	0.208	0.010	0.176	0.71	0.72	0.76	0.73
	Left Cheek	0.585	0.359	0.359	0.045	0.300	0.94	0.99	0.99	0.93
	Left Tilted	0.555	0.260	0.274	0.024	0.195	0.82	0.84	0.85	0.77
All Band Ant2	Right Cheek	0.797	0.201	0.182	0.024	0.177	1.00	1.02	1.00	1.00
	Right Tilted	0.485	0.168	0.208	0.010	0.176	0.65	0.66	0.70	0.67
	Left Cheek	0.456	0.359	0.359	0.045	0.300	0.82	0.86	0.86	0.80
	Left Tilted	0.444	0.260	0.274	0.024	0.195	0.70	0.73	0.74	0.66
All Band Ant3	Right Cheek	0.097	0.201	0.182	0.024	0.177	0.30	0.32	0.30	0.30
	Right Tilted	0.064	0.168	0.208	0.010	0.176	0.23	0.24	0.28	0.25
	Left Cheek	0.053	0.359	0.359	0.045	0.300	0.41	0.46	0.46	0.40
	Left Tilted	0.056	0.260	0.274	0.024	0.195	0.32	0.34	0.35	0.28
All Band Ant5	Right Cheek	0.291	0.201	0.182	0.024	0.177	0.49	0.52	0.50	0.49
	Right Tilted	0.279	0.168	0.208	0.010	0.176	0.45	0.46	0.50	0.47
	Left Cheek	0.801	0.359	0.359	0.045	0.300	1.16	1.21	1.21	1.15
	Left Tilted	0.356	0.260	0.274	0.024	0.195	0.62	0.64	0.65	0.58
All Band Ant6	Right Cheek	0.091	0.201	0.182	0.024	0.177	0.29	0.32	0.30	0.29
	Right Tilted	0.187	0.168	0.208	0.010	0.176	0.36	0.37	0.41	0.37
	Left Cheek	0.087	0.359	0.359	0.045	0.300	0.45	0.49	0.49	0.43
	Left Tilted	0.080	0.260	0.274	0.024	0.195	0.34	0.36	0.38	0.30

<ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	6	1+2+3	1+2+3+5	1+2+4+5	1+2+5+6
			WWAN	FR1	WLAN2.4GHz Ant 8+9	WLAN5GHz Ant 8+9	Bluetooth Ant 8	WLAN6GHz Ant 8+9	Summed	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Ant1 Band(5/12/13)	FR1 n66 Ant0	Right Cheek	0.826	0.133	0.201	0.182	0.024	0.177	1.16	1.18	1.17	1.16
		Right Tilted	0.543	0.075	0.168	0.208	0.010	0.176	0.79	0.80	0.84	0.80
		Left Cheek	0.585	0.175	0.359	0.359	0.045	0.300	1.12	1.16	1.16	1.11
		Left Tilted	0.352	0.076	0.260	0.274	0.024	0.195	0.69	0.71	0.73	0.65
Ant1 Band(5/12)	FR1 n30 Ant0	Right Cheek	0.757		0.201	0.182	0.024	0.177	0.96	0.98	0.96	0.96
		Right Tilted	0.497		0.168	0.208	0.010	0.176	0.67	0.68	0.72	0.68
		Left Cheek	0.531	0.068	0.359	0.359	0.045	0.300	0.96	1.00	1.00	0.94
		Left Tilted	0.311		0.260	0.274	0.024	0.195	0.57	0.60	0.61	0.53
Ant1 Band(5/12/13)	FR1 n2 Ant0	Right Cheek	0.826	0.142	0.201	0.182	0.024	0.177	1.17	1.19	1.17	1.17
		Right Tilted	0.543	0.075	0.168	0.208	0.010	0.176	0.79	0.80	0.84	0.80
		Left Cheek	0.585	0.141	0.359	0.359	0.045	0.300	1.09	1.13	1.13	1.07
		Left Tilted	0.352	0.081	0.260	0.274	0.024	0.195	0.69	0.72	0.73	0.65
Ant1 Band(12/26)	FR1 n41 Ant0	Right Cheek	0.757	0.090	0.201	0.182	0.024	0.177	1.05	1.07	1.05	1.05
		Right Tilted	0.497	0.038	0.168	0.208	0.010	0.176	0.70	0.71	0.75	0.72
		Left Cheek	0.531	0.147	0.359	0.359	0.045	0.300	1.04	1.08	1.08	1.02



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		Left Tilted	0.311		0.260	0.274	0.024	0.195	0.57	0.60	0.61	0.53
Ant0 Band(2/66/30)	FR1 n5 Ant1	Right Cheek	0.167	0.531	0.201	0.182	0.024	0.177	0.90	0.92	0.90	0.90
		Right Tilted	0.084	0.321	0.168	0.208	0.010	0.176	0.57	0.58	0.62	0.59
		Left Cheek	0.187	0.385	0.359	0.359	0.045	0.300	0.93	0.98	0.98	0.92
		Left Tilted	0.082	0.223	0.260	0.274	0.024	0.195	0.57	0.59	0.60	0.52
		Right Cheek	0.826	0.541	0.201	0.182	0.024	0.177	1.57	1.59	1.57	1.57
Ant1 Band(5/12/13)	FR1 n77 Ant2	Right Tilted	0.543	0.485	0.168	0.208	0.010	0.176	1.20	1.21	1.25	1.21
		Left Cheek	0.585	0.378	0.359	0.359	0.045	0.300	1.32	1.37	1.37	1.31
		Left Tilted	0.352	0.375	0.260	0.274	0.024	0.195	0.99	1.01	1.03	0.95
		Right Cheek	0.757	0.541	0.201	0.182	0.024	0.177	1.50	1.52	1.50	1.50
		Right Tilted	0.463	0.485	0.168	0.208	0.010	0.176	1.12	1.13	1.17	1.13
Ant1 Band 5	FR1 n78 Ant2	Left Cheek	0.531	0.378	0.359	0.359	0.045	0.300	1.27	1.31	1.31	1.25
		Left Tilted	0.311	0.375	0.260	0.274	0.024	0.195	0.95	0.97	0.98	0.91
		Right Cheek	0.167	0.191	0.201	0.182	0.024	0.177	0.56	0.58	0.56	0.56
		Right Tilted	0.084	0.184	0.168	0.208	0.010	0.176	0.44	0.45	0.49	0.45
		Left Cheek	0.187	0.528	0.359	0.359	0.045	0.300	1.07	1.12	1.12	1.06
Ant0 Band(2/30/66)	FR1 n77 Ant5	Left Tilted	0.082	0.235	0.260	0.274	0.024	0.195	0.58	0.60	0.62	0.54
		Right Cheek	0.080	0.191	0.201	0.182	0.024	0.177	0.47	0.50	0.48	0.47
		Right Tilted	0.040	0.184	0.168	0.208	0.010	0.176	0.39	0.40	0.44	0.41
		Left Cheek	0.164	0.528	0.359	0.359	0.045	0.300	1.05	1.10	1.10	1.04
		Left Tilted		0.235	0.260	0.274	0.024	0.195	0.50	0.52	0.53	0.45
Ant1 Band(5/12/13)	FR1 n66 Ant2	Right Cheek	0.826	0.503	0.201	0.182	0.024	0.177	1.53	1.55	1.54	1.53
		Right Tilted	0.543	0.147	0.168	0.208	0.010	0.176	0.86	0.87	0.91	0.88
		Left Cheek	0.585	0.246	0.359	0.359	0.045	0.300	1.19	1.24	1.24	1.18
		Left Tilted	0.352	0.121	0.260	0.274	0.024	0.195	0.73	0.76	0.77	0.69
		Right Cheek	0.757	0.500	0.201	0.182	0.024	0.177	1.46	1.48	1.46	1.46
Ant1 Band(5/12)	FR1 n30 Ant2	Right Tilted	0.497	0.239	0.168	0.208	0.010	0.176	0.90	0.91	0.95	0.92
		Left Cheek	0.531	0.367	0.359	0.359	0.045	0.300	1.26	1.30	1.30	1.24
		Left Tilted	0.311	0.338	0.260	0.274	0.024	0.195	0.91	0.93	0.95	0.87
		Right Cheek	0.826	0.469	0.201	0.182	0.024	0.177	1.50	1.52	1.50	1.50
		Right Tilted	0.543	0.134	0.168	0.208	0.010	0.176	0.85	0.86	0.90	0.86
Ant1 Band(5/12/13)	FR1 n2 Ant2	Left Cheek	0.585	0.267	0.359	0.359	0.045	0.300	1.21	1.26	1.26	1.20
		Left Tilted	0.352	0.134	0.260	0.274	0.024	0.195	0.75	0.77	0.78	0.71
		Right Cheek	0.757	0.249	0.201	0.182	0.024	0.177	1.21	1.23	1.21	1.21
		Right Tilted	0.497	0.134	0.168	0.208	0.010	0.176	0.80	0.81	0.85	0.82
		Left Cheek	0.531	0.116	0.359	0.359	0.045	0.300	1.01	1.05	1.05	0.99
Ant1 Band(12/26)	FR1 n41 Ant2	Left Tilted	0.311	0.114	0.260	0.274	0.024	0.195	0.69	0.71	0.72	0.64
		Right Cheek	0.661	0.531	0.201	0.182	0.024	0.177	1.39	1.42	1.40	1.39
		Right Tilted	0.271	0.321	0.168	0.208	0.010	0.176	0.76	0.77	0.81	0.78
		Left Cheek	0.456	0.385	0.359	0.359	0.045	0.300	1.20	1.25	1.25	1.19
		Left Tilted	0.396	0.223	0.260	0.274	0.024	0.195	0.88	0.90	0.92	0.84
Ant2 Band(2/66/30)	FR1 n5 Ant1	Right Cheek	0.826	0.097	0.201	0.182	0.024	0.177	1.12	1.15	1.13	1.12
		Right Tilted	0.543	0.048	0.168	0.208	0.010	0.176	0.76	0.77	0.81	0.78
		Left Cheek	0.585	0.053	0.359	0.359	0.045	0.300	1.00	1.04	1.04	0.98
		Left Tilted	0.352	0.056	0.260	0.274	0.024	0.195	0.67	0.69	0.71	0.63
		Right Cheek	0.826	0.091	0.201	0.182	0.024	0.177	1.12	1.14	1.12	1.12
Ant1 Band(5/12/13)	FR1 n77 Ant3	Right Tilted	0.543	0.187	0.168	0.208	0.010	0.176	0.90	0.91	0.95	0.92
		Left Cheek	0.585	0.087	0.359	0.359	0.045	0.300	1.03	1.08	1.08	1.02
		Left Tilted	0.352	0.080	0.260	0.274	0.024	0.195	0.69	0.72	0.73	0.65
		Right Cheek	0.826	0.191	0.201	0.182	0.024	0.177	1.22	1.24	1.22	1.22
		Right Tilted	0.543	0.184	0.168	0.208	0.010	0.176	0.90	0.91	0.95	0.91
Ant1 Band(5/12/13)	FR1 n78 Ant6	Left Cheek	0.585	0.528	0.359	0.359	0.045	0.300	1.47	1.52	1.52	1.46
		Left Tilted	0.352	0.235	0.260	0.274	0.024	0.195	0.85	0.87	0.89	0.81
		Right Cheek	0.799	0.541	0.201	0.182	0.024	0.177	1.54	1.57	1.55	1.54
		Right Tilted	0.525	0.485	0.168	0.208	0.010	0.176	1.18	1.19	1.23	1.20
		Left Cheek	0.316	0.378	0.359	0.359	0.045	0.300	1.05	1.10	1.10	1.04
Ant1 Band(5/12/13)	FR1 n78 Ant5	Left Tilted	0.352	0.235	0.260	0.274	0.024	0.195	0.85	0.87	0.89	0.81
		Right Cheek	0.826	0.191	0.201	0.182	0.024	0.177	1.22	1.24	1.22	1.22
		Right Tilted	0.543	0.184	0.168	0.208	0.010	0.176	0.90	0.91	0.95	0.91
		Left Cheek	0.585	0.528	0.359	0.359	0.045	0.300	1.47	1.52	1.52	1.46
		Left Tilted	0.352	0.235	0.260	0.274	0.024	0.195	0.85	0.87	0.89	0.81
Ant1 Band(2/7/30/66/41)	FR1 n77 Ant2	Right Cheek	0.799	0.541	0.201	0.182	0.024	0.177	1.54	1.57	1.55	1.54
		Right Tilted	0.525	0.485	0.168	0.208	0.010	0.176	1.18	1.19	1.23	1.20
		Left Cheek	0.316	0.378	0.359	0.359	0.045	0.300	1.05	1.10	1.10	1.04
		Left Tilted	0.352	0.235	0.260	0.274	0.024	0.195	0.85	0.87	0.89	0.81
		Right Cheek	0.826	0.191	0.201	0.182	0.024	0.177	1.22	1.24	1.22	1.22



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		Left Tilted	0.275	0.375	0.260	0.274	0.024	0.195	0.91	0.93	0.95	0.87
Ant1 Band(2/7/30/66/41)	FR1 n77 Ant3	Right Cheek	0.799	0.097	0.201	0.182	0.024	0.177	1.10	1.12	1.10	1.10
		Right Tilted	0.525	0.048	0.168	0.208	0.010	0.176	0.74	0.75	0.79	0.76
		Left Cheek	0.316	0.053	0.359	0.359	0.045	0.300	0.73	0.77	0.77	0.71
		Left Tilted	0.275	0.056	0.260	0.274	0.024	0.195	0.59	0.62	0.63	0.55
Ant1 Band(2/7/30/66/41)	FR1 n77 Ant6	Right Cheek	0.799	0.091	0.201	0.182	0.024	0.177	1.09	1.12	1.10	1.09
		Right Tilted	0.525	0.187	0.168	0.208	0.010	0.176	0.88	0.89	0.93	0.90
		Left Cheek	0.316	0.087	0.359	0.359	0.045	0.300	0.76	0.81	0.81	0.75
		Left Tilted	0.275	0.080	0.260	0.274	0.024	0.195	0.62	0.64	0.65	0.57

<UL MIMO>

FR1 Band	FR1 Band	Exposure Position	1	2	3	4	5	6	1+2+3	1+2+3+5	1+2+4+5	1+2+5+6
			FR1	FR1	WLAN2.4GHz Ant 8+9	WLAN5GHz Ant 8+9	Bluetooth Ant 8	WLAN6GHz Ant 8+9	Summed	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Ant2 FR1(n77/78)	Ant5 FR1(n77/78)	Right Cheek	0.541	0.191	0.201	0.182	0.024	0.177	0.93	0.96	0.94	0.93
		Right Tilted	0.485	0.184	0.168	0.208	0.010	0.176	0.84	0.85	0.89	0.86
		Left Cheek	0.378	0.528	0.359	0.359	0.045	0.300	1.27	1.31	1.31	1.25
		Left Tilted	0.375	0.235	0.260	0.274	0.024	0.195	0.87	0.89	0.91	0.83

Exposure Position	1	2	3	4	1+3	2+3	3+4
	WLAN2.4GHz Ant 8+9	WLAN5GHz Ant 8+9	Bluetooth Ant 8	WLAN6GHz Ant 8+9	Summed	Summed	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Right Cheek	0.564	0.574	0.024	0.678	0.59	0.60	0.70
Right Tilted	0.427	0.600	0.010	0.675	0.44	0.61	0.69
Left Cheek	0.994	1.118	0.045	1.040	1.04	1.16	1.09
Left Tilted	0.664	0.847	0.024	0.748	0.69	0.87	0.77

16.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	4	1+2+4
		WWAN	WLAN2.4GHz Ant 8+9	Bluetooth Ant 8	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Band Ant0	Front	0.615	0.306	0.011	0.93
	Back	1.193	0.367	0.018	1.58
	Left side	0.750		0.005	0.76
	Right side	0.325	0.143	0.013	0.48
	Top side	0.074	0.300	0.016	0.39
	Bottom side	0.931			0.93
All Band Ant1	Front	0.550	0.306	0.011	0.87
	Back	0.824	0.367	0.018	1.21
	Left side	0.579		0.005	0.58
	Right side	0.212	0.143	0.013	0.37
	Top side	0.640	0.300	0.016	0.96
	Bottom side	0.055			0.06
All Band Ant2	Front	0.259	0.306	0.011	0.58
	Back	0.860	0.367	0.018	1.25
	Left side	0.790		0.005	0.80
	Right side	0.137	0.143	0.013	0.29
	Top side	0.489	0.300	0.016	0.81
	Bottom side	0.065			0.07
All Band Ant3	Front	0.107	0.306	0.011	0.42
	Back	0.470	0.367	0.018	0.86
	Left side	0.069		0.005	0.07
	Right side	0.381	0.143	0.013	0.54
	Top side	0.087	0.300	0.016	0.40
	Bottom side	0.084			0.08
All Band Ant5	Front	0.342	0.306	0.011	0.66
	Back	0.622	0.367	0.018	1.01
	Left side	0.109		0.005	0.11
	Right side	0.864	0.143	0.013	1.02
	Top side	0.464	0.300	0.016	0.78
	Bottom side	0.104			0.10
All Band Ant6	Front	0.131	0.306	0.011	0.45
	Back	0.558	0.367	0.018	0.94
	Left side	0.463		0.005	0.47
	Right side	0.080	0.143	0.013	0.24
	Top side	0.061	0.300	0.016	0.38
	Bottom side	0.475			0.48

<ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	5	1+2+3+5	Case No
			WWAN	FR1	WLAN2.4GHz Ant 8+9	Bluetooth Ant 8	Summed	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant1 Band 5	FR1 n66 Ant0	Front	0.226	0.302	0.306	0.011	0.85	1
		Back	0.463	0.765	0.367	0.018	1.61	
		Left side	0.148	0.178		0.005	0.33	
		Right side		0.085	0.143	0.013	0.24	
		Top side	0.287		0.300	0.016	0.60	
		Bottom side		0.558			0.56	
Ant1 Band 12	FR1 n66 Ant0	Front	0.221	0.302	0.306	0.011	0.84	
		Back	0.338	0.765	0.367	0.018	1.49	
		Left side	0.293	0.178		0.005	0.48	
		Right side	0.113	0.085	0.143	0.013	0.35	
		Top side	0.296		0.300	0.016	0.61	
		Bottom side		0.558			0.56	
Ant1 Band 13	FR1 n66 Ant0	Front	0.185	0.302	0.306	0.011	0.80	
		Back	0.344	0.765	0.367	0.018	1.49	
		Left side	0.178	0.178		0.005	0.36	
		Right side	0.099	0.085	0.143	0.013	0.34	
		Top side	0.245		0.300	0.016	0.56	
		Bottom side		0.558			0.56	
Ant1 Band 5	FR1 n30 Ant0	Front	0.226	0.269	0.306	0.011	0.81	2
		Back	0.463	1.157	0.367	0.018	2.01	
		Left side	0.148	0.136		0.005	0.29	
		Right side		0.068	0.143	0.013	0.22	
		Top side	0.287		0.300	0.016	0.60	
		Bottom side		0.410			0.41	
Ant1 Band 12	FR1 n30 Ant0	Front	0.221	0.269	0.306	0.011	0.81	5
		Back	0.338	1.157	0.367	0.018	1.88	
		Left side	0.293	0.136		0.005	0.43	
		Right side	0.113	0.068	0.143	0.013	0.34	
		Top side	0.296		0.300	0.016	0.61	
		Bottom side		0.410			0.41	
Ant1 Band(5/12/13)	FR1 n2 Ant0	Front	0.226	0.381	0.306	0.011	0.92	
		Back	0.463	0.549	0.367	0.018	1.40	
		Left side	0.293	0.210		0.005	0.51	
		Right side	0.113	0.114	0.143	0.013	0.38	
		Top side	0.296	0.060	0.300	0.016	0.67	
		Bottom side		0.601			0.60	
Ant1 Band 12	FR1 n41 Ant0	Front	0.221	0.481	0.306	0.011	1.02	7
		Back	0.338	1.058	0.367	0.018	1.78	
		Left side	0.293	0.105		0.005	0.40	
		Right side	0.113	0.213	0.143	0.013	0.48	
		Top side	0.296	0.044	0.300	0.016	0.66	
		Bottom side		0.796			0.80	
Ant1 Band 5	FR1 n41 Ant0	Front	0.226	0.481	0.306	0.011	1.02	8
		Back	0.463	1.058	0.367	0.018	1.91	
		Left side	0.148	0.105		0.005	0.26	
		Right side		0.213	0.143	0.013	0.37	
		Top side	0.287	0.044	0.300	0.016	0.65	
		Bottom side		0.796			0.80	
Ant0 Band 2	FR1 n5 Ant1	Front	0.148	0.203	0.306	0.011	0.67	
		Back	0.673	0.402	0.367	0.018	1.46	



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		Left side	0.083	0.099		0.005	0.19	
		Right side	0.023	0.089	0.143	0.013	0.27	
		Top side		0.260	0.300	0.016	0.58	
		Bottom side	0.491				0.49	
Ant0 Band 66	FR1 n5 Ant1	Front	0.243	0.203	0.306	0.011	0.76	
		Back	1.024	0.402	0.367	0.018	1.81	10
		Left side	0.157	0.099		0.005	0.26	
		Right side	0.034	0.089	0.143	0.013	0.28	
		Top side	0.023	0.260	0.300	0.016	0.60	
		Bottom side	0.651				0.65	
Ant0 Band 30	FR1 n5 Ant1	Front	0.615	0.203	0.306	0.011	1.14	
		Back	1.116	0.402	0.367	0.018	1.90	12
		Left side	0.417	0.099		0.005	0.52	
		Right side	0.137	0.089	0.143	0.013	0.38	
		Top side	0.047	0.260	0.300	0.016	0.62	
		Bottom side	0.440				0.44	
Ant1 Band(5/12/13)	FR1 n77 Ant2	Front	0.226	0.071	0.306	0.011	0.61	
		Back	0.463	0.323	0.367	0.018	1.17	
		Left side	0.293	0.351		0.005	0.65	
		Right side	0.113	0.048	0.143	0.013	0.32	
		Top side	0.296	0.183	0.300	0.016	0.80	
		Bottom side		0.032			0.03	
Ant1 Band 5	FR1 n78 Ant2	Front	0.226	0.071	0.306	0.011	0.61	
		Back	0.463	0.323	0.367	0.018	1.17	
		Left side	0.148	0.351		0.005	0.50	
		Right side		0.048	0.143	0.013	0.20	
		Top side	0.287	0.183	0.300	0.016	0.79	
		Bottom side		0.032			0.03	
Ant0 Band 2	FR1 n77 Ant5	Front	0.148	0.342	0.306	0.011	0.81	
		Back	0.673	0.622	0.367	0.018	1.68	14
		Left side	0.083	0.109		0.005	0.20	
		Right side	0.023	0.864	0.143	0.013	1.04	
		Top side		0.464	0.300	0.016	0.78	
		Bottom side	0.491	0.104			0.60	
Ant0 Band 30	FR1 n77 Ant5	Front	0.615	0.342	0.306	0.011	1.27	
		Back	1.116	0.622	0.367	0.018	2.12	15
		Left side	0.417	0.109		0.005	0.53	
		Right side	0.137	0.864	0.143	0.013	1.16	
		Top side	0.047	0.464	0.300	0.016	0.83	
		Bottom side	0.440	0.104			0.54	
Ant0 Band 66	FR1 n77 Ant5	Front	0.243	0.342	0.306	0.011	0.90	
		Back	1.024	0.622	0.367	0.018	2.03	18
		Left side	0.157	0.109		0.005	0.27	
		Right side	0.034	0.864	0.143	0.013	1.05	
		Top side	0.023	0.464	0.300	0.016	0.80	
		Bottom side	0.651	0.104			0.76	
Ant0 Band 7	FR1 n78 Ant5	Front	0.272	0.342	0.306	0.011	0.93	
		Back	1.193	0.622	0.367	0.018	2.20	21
		Left side	0.750	0.109		0.005	0.86	
		Right side	0.325	0.864	0.143	0.013	1.35	
		Top side	0.074	0.464	0.300	0.016	0.85	
		Bottom side	0.931	0.104			1.04	
Ant0 Band 41	FR1 n78 Ant5	Front	0.338	0.342	0.306	0.011	1.00	
		Back	1.006	0.622	0.367	0.018	2.01	24
		Left side	0.117	0.109		0.005	0.23	
		Right side	0.049	0.864	0.143	0.013	1.07	



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		Top side	0.011	0.464	0.300	0.016	0.79	
		Bottom side	0.845	0.104			0.95	

WWAN Band	FR1 Band	Exposure Position	1	2	3	5	1+2+3+5
			WWAN	FR1	WLAN2.4GHz Ant 8+9	Bluetooth Ant 8	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Ant1 Band(5/12/13)	FR1 n66 Ant2	Front	0.226	0.126	0.306	0.011	0.67
		Back	0.463	0.293	0.367	0.018	1.14
		Left side	0.293	0.407		0.005	0.71
		Right side	0.113	0.040	0.143	0.013	0.31
		Top side	0.296	0.092	0.300	0.016	0.70
		Bottom side					0.00
Ant1 Band(5/12)	FR1 n30 Ant2	Front	0.226	0.190	0.306	0.011	0.73
		Back	0.463	0.316	0.367	0.018	1.16
		Left side	0.293	0.390		0.005	0.69
		Right side	0.113	0.042	0.143	0.013	0.31
		Top side	0.296	0.130	0.300	0.016	0.74
		Bottom side		0.041			0.04
Ant1 Band(5/12/13)	FR1 n2 Ant2	Front	0.226	0.155	0.306	0.011	0.70
		Back	0.463	0.377	0.367	0.018	1.23
		Left side	0.293	0.613		0.005	0.91
		Right side	0.113	0.088	0.143	0.013	0.36
		Top side	0.296	0.136	0.300	0.016	0.75
		Bottom side		0.064			0.06
Ant1 Band(12/26)	FR1 n41 Ant2	Front	0.226	0.126	0.306	0.011	0.67
		Back	0.463	0.676	0.367	0.018	1.52
		Left side	0.293	0.548		0.005	0.85
		Right side	0.113		0.143	0.013	0.27
		Top side	0.296	0.104	0.300	0.016	0.72
		Bottom side		0.042			0.04
Ant2 Band(2/66/30)	FR1 n5 Ant1	Front	0.259	0.203	0.306	0.011	0.78
		Back	0.448	0.402	0.367	0.018	1.24
		Left side	0.619	0.099		0.005	0.72
		Right side	0.074	0.089	0.143	0.013	0.32
		Top side	0.206	0.260	0.300	0.016	0.78
		Bottom side	0.065				0.07
Ant1 Band(5/12/13)	FR1 n77 Ant3	Front	0.226	0.074	0.306	0.011	0.62
		Back	0.463	0.342	0.367	0.018	1.19
		Left side	0.293	0.053		0.005	0.35
		Right side	0.113	0.258	0.143	0.013	0.53
		Top side	0.296	0.073	0.300	0.016	0.69
		Bottom side		0.069			0.07
Ant1 Band(5/12/13)	FR1 n78 Ant6	Front	0.226	0.072	0.306	0.011	0.62
		Back	0.463	0.290	0.367	0.018	1.14
		Left side	0.293	0.255		0.005	0.55
		Right side	0.113	0.036	0.143	0.013	0.31
		Top side	0.296	0.035	0.300	0.016	0.65
		Bottom side		0.249			0.25
Ant1 Band(5/12/13)	FR1 n78 Ant5	Front	0.226	0.342	0.306	0.011	0.89
		Back	0.463	0.622	0.367	0.018	1.47
		Left side	0.293	0.109		0.005	0.41
		Right side	0.113	0.864	0.143	0.013	1.13
		Top side	0.296	0.464	0.300	0.016	1.08
		Bottom side		0.104			0.10
Ant1	FR1 n77 Ant2	Front	0.435	0.071	0.306	0.011	0.82

Band(2/7/30/66/41)		Back	0.824	0.323	0.367	0.018	1.53
		Left side	0.573	0.351		0.005	0.93
		Right side	0.140	0.048	0.143	0.013	0.34
		Top side	0.477	0.183	0.300	0.016	0.98
		Bottom side	0.050	0.032			0.08
Ant1 Band(2/7/30/66/41)	FR1 n77 Ant3	Front	0.435	0.074	0.306	0.011	0.83
		Back	0.824	0.342	0.367	0.018	1.55
		Left side	0.573	0.053		0.005	0.63
		Right side	0.140	0.258	0.143	0.013	0.55
		Top side	0.477	0.073	0.300	0.016	0.87
Ant1 Band(2/7/30/66/41)	FR1 n77 Ant6	Bottom side	0.050	0.069			0.12
		Front	0.435	0.072	0.306	0.011	0.82
		Back	0.824	0.290	0.367	0.018	1.50
		Left side	0.573	0.255		0.005	0.83
		Right side	0.140	0.036	0.143	0.013	0.33
		Top side	0.477	0.035	0.300	0.016	0.83
		Bottom side	0.050	0.249			0.30

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FR1 Band	FR1 Band	Exposure Position	1	2	3	5	1+2+3+5
			FR1	FR1	WLAN2.4GHz Ant 8+9	Bluetooth Ant 8	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n77 Ant2	FR1 n77 Ant5	Front	0.071	0.342	0.306	0.011	0.73
		Back	0.323	0.622	0.367	0.018	1.33
		Left side	0.351	0.109		0.005	0.47
		Right side	0.048	0.864	0.143	0.013	1.07
		Top side	0.183	0.464	0.300	0.016	0.96
		Bottom side	0.032	0.104			0.14

Exposure Position	1	2	1+2
	WLAN2.4GHz Ant 8+9	Bluetooth Ant 8	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front	0.306	0.011	0.32
Back	0.367	0.018	0.39
Left side		0.005	0.01
Right side	0.143	0.013	0.16
Top side	0.300	0.016	0.32
Bottom side			0.00



16.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	1+2+4	1+3+4	1+4+5
		WWAN	WLAN2.4GHz Ant 8+9	WLAN5GHz Ant 8+9	Bluetooth Ant 8	WLAN6GHz Ant 8+9	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Band Ant0	Front	0.747	0.312	0.134	0.011	0.301	1.07	0.89	1.06
	Back	1.193	0.367	0.347	0.018	0.343	1.58	1.56	1.55
All Band Ant1	Front	0.685	0.312	0.134	0.011	0.301	1.01	0.83	1.00
	Back	0.824	0.367	0.347	0.018	0.343	1.21	1.19	1.19
All Band Ant2	Front	0.402	0.312	0.134	0.011	0.301	0.73	0.55	0.71
	Back	0.860	0.367	0.347	0.018	0.343	1.25	1.23	1.22
All Band Ant3	Front	0.107	0.312	0.134	0.011	0.301	0.43	0.25	0.42
	Back	0.470	0.367	0.347	0.018	0.343	0.86	0.84	0.83
All Band Ant5	Front	0.342	0.312	0.134	0.011	0.301	0.67	0.49	0.65
	Back	0.622	0.367	0.347	0.018	0.343	1.01	0.99	0.98
All Band Ant6	Front	0.278	0.312	0.134	0.011	0.301	0.60	0.42	0.59
	Back	0.558	0.367	0.347	0.018	0.343	0.94	0.92	0.92

<ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	6	1+2+3+5	1+2+4+5	1+2+5+6	Case No
			WWAN	FR1	WLAN2.4GHz Ant 8+9	WLAN5GHz Ant 8+9	Bluetooth Ant 8	WLAN6GHz Ant 8+9	Summed	Summed	Summed	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant1 Band 5	FR1 n66 Ant0	Front	0.226	0.302	0.312	0.134	0.011	0.301	0.85	0.67	0.84	27
		Back	0.463	0.765	0.367	0.347	0.018	0.343	1.61	1.59	1.59	
Ant1 Band 12	FR1 n66 Ant0	Front	0.221	0.302	0.312	0.134	0.011	0.301	0.85	0.67	0.84	
		Back	0.338	0.765	0.367	0.347	0.018	0.343	1.49	1.47	1.46	
Ant1 Band 13	FR1 n66 Ant0	Front	0.185	0.302	0.312	0.134	0.011	0.301	0.81	0.63	0.80	
		Back	0.344	0.765	0.367	0.347	0.018	0.343	1.49	1.47	1.47	
Ant1 Band 5	FR1 n30 Ant0	Front	0.226	0.286	0.312	0.134	0.011	0.301	0.84	0.66	0.82	28&29&30
		Back	0.463	1.157	0.367	0.347	0.018	0.343	2.01	1.99	1.98	
Ant1 Band 12	FR1 n30 Ant0	Front	0.221	0.286	0.312	0.134	0.011	0.301	0.83	0.65	0.82	31&32&33
		Back	0.338	1.157	0.367	0.347	0.018	0.343	1.88	1.86	1.86	
Ant1 Band(5/12/13)	FR1 n2 Ant0	Front	0.226	0.381	0.312	0.134	0.011	0.301	0.93	0.75	0.92	
		Back	0.463	0.549	0.367	0.347	0.018	0.343	1.40	1.38	1.37	
Ant1 Band 5	FR1 n41 Ant0	Front	0.226	0.506	0.312	0.134	0.011	0.301	1.06	0.88	1.04	34&35&36
		Back	0.463	1.058	0.367	0.347	0.018	0.343	1.91	1.89	1.88	
Ant1 Band 12	FR1 n41 Ant0	Front	0.221	0.506	0.312	0.134	0.011	0.301	1.05	0.87	1.04	37&38&85
		Back	0.338	1.058	0.367	0.347	0.018	0.343	1.78	1.76	1.76	
Ant0 Band 2	FR1 n5 Ant1	Front	0.148	0.203	0.312	0.134	0.011	0.301	0.67	0.50	0.66	
		Back	0.673	0.402	0.367	0.347	0.018	0.343	1.46	1.44	1.44	
Ant0 Band 66	FR1 n5 Ant1	Front	0.243	0.203	0.312	0.134	0.011	0.301	0.77	0.59	0.76	39&40&41
		Back	1.024	0.402	0.367	0.347	0.018	0.343	1.81	1.79	1.79	
Ant0 Band 30	FR1 n5 Ant1	Front	0.747	0.203	0.312	0.134	0.011	0.301	1.27	1.10	1.26	42&43&44
		Back	1.116	0.402	0.367	0.347	0.018	0.343	1.90	1.88	1.88	
Ant1 Band(5/12/13)	FR1 n77 Ant2	Front	0.226	0.156	0.312	0.134	0.011	0.301	0.71	0.53	0.69	
		Back	0.463	0.376	0.367	0.347	0.018	0.343	1.22	1.20	1.20	
Ant1 Band 5	FR1 n78 Ant2	Front	0.226	0.156	0.312	0.134	0.011	0.301	0.71	0.53	0.69	
		Back	0.463	0.376	0.367	0.347	0.018	0.343	1.22	1.20	1.20	
Ant0 Band 2	FR1 n77 Ant5	Front	0.148	0.342	0.312	0.134	0.011	0.301	0.81	0.64	0.80	45&46&86
		Back	0.673	0.622	0.367	0.347	0.018	0.343	1.68	1.66	1.66	
Ant0 Band 30	FR1 n77 Ant5	Front	0.747	0.342	0.312	0.134	0.011	0.301	1.41	1.23	1.40	47&48&49
		Back	1.116	0.622	0.367	0.347	0.018	0.343	2.12	2.10	2.10	



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Ant0 Band 66	FR1 n77 Ant5	Front	0.243	0.342	0.312	0.134	0.011	0.301	0.91	0.73	0.90	
		Back	1.024	0.622	0.367	0.347	0.018	0.343	2.03	2.01	2.01	50&51&52
Ant0 Band 7	FR1 n78 Ant5	Front	0.398	0.342	0.312	0.134	0.011	0.301	1.06	0.89	1.05	
		Back	1.193	0.622	0.367	0.347	0.018	0.343	2.20	2.18	2.18	53&54&55
Ant0 Band 41	FR1 n78 Ant5	Front	0.338	0.342	0.312	0.134	0.011	0.301	1.00	0.83	0.99	
		Back	1.006	0.622	0.367	0.347	0.018	0.343	2.01	1.99	1.99	56&57&58

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	6	1+2+3+5	1+2+4+5	1+2+5+6
			WWAN	FR1	WLAN2.4GHz Ant 8+9	WLAN5GHz Ant 8+9	Bluetooth Ant 8	WLAN6GHz Ant 8+9	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Ant1 Band(5/12/13)	FR1 n66 Ant2	Front	0.226	0.126	0.312	0.134	0.011	0.301	0.68	0.50	0.66
		Back	0.463	0.293	0.367	0.347	0.018	0.343	1.14	1.12	1.12
Ant1 Band(5/12)	FR1 n30 Ant2	Front	0.226	0.190	0.312	0.134	0.011	0.301	0.74	0.56	0.73
		Back	0.463	0.316	0.367	0.347	0.018	0.343	1.16	1.14	1.14
Ant1 Band(5/12/13)	FR1 n2 Ant2	Front	0.226	0.155	0.312	0.134	0.011	0.301	0.70	0.53	0.69
		Back	0.463	0.377	0.367	0.347	0.018	0.343	1.23	1.21	1.20
Ant1 Band(12/26)	FR1 n41 Ant2	Front	0.226	0.126	0.312	0.134	0.011	0.301	0.68	0.50	0.66
		Back	0.463	0.676	0.367	0.347	0.018	0.343	1.52	1.50	1.50
Ant2 Band(2/66/30)	FR1 n5 Ant1	Front	0.259	0.203	0.312	0.134	0.011	0.301	0.79	0.61	0.77
		Back	0.448	0.402	0.367	0.347	0.018	0.343	1.24	1.22	1.21
Ant1 Band(5/12/13)	FR1 n77 Ant3	Front	0.226	0.074	0.312	0.134	0.011	0.301	0.62	0.45	0.61
		Back	0.463	0.342	0.367	0.347	0.018	0.343	1.19	1.17	1.17
Ant1 Band(5/12/13)	FR1 n78 Ant6	Front	0.226	0.072	0.312	0.134	0.011	0.301	0.62	0.44	0.61
		Back	0.463	0.290	0.367	0.347	0.018	0.343	1.14	1.12	1.11
Ant1 Band(5/12/13)	FR1 n78 Ant5	Front	0.226	0.342	0.312	0.134	0.011	0.301	0.89	0.71	0.88
		Back	0.463	0.622	0.367	0.347	0.018	0.343	1.47	1.45	1.45
Ant1 Band(2/7/30/66/41)	FR1 n77 Ant2	Front	0.676	0.156	0.312	0.134	0.011	0.301	1.16	0.98	1.14
		Back	0.824	0.376	0.367	0.347	0.018	0.343	1.59	1.57	1.56
Ant1 Band(2/7/30/66/41)	FR1 n77 Ant3	Front	0.676	0.074	0.312	0.134	0.011	0.301	1.07	0.90	1.06
		Back	0.824	0.342	0.367	0.347	0.018	0.343	1.55	1.53	1.53
Ant1 Band(2/7/30/66/41)	FR1 n77 Ant6	Front	0.676	0.072	0.312	0.134	0.011	0.301	1.07	0.89	1.06
		Back	0.824	0.290	0.367	0.347	0.018	0.343	1.50	1.48	1.48

<UL MIMO>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	6	1+2+3+5	1+2+4+5	1+2+5+6
			FR1	FR1	WLAN2.4GHz Ant 8+9	WLAN5GHz Ant 8+9	Bluetooth Ant 8	WLAN6GHz Ant 8+9	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n77 Ant2	FR1 n77 Ant5	Front	0.156	0.342	0.312	0.134	0.011	0.301	0.82	0.64	0.81
		Back	0.376	0.622	0.367	0.347	0.018	0.343	1.38	1.36	1.36

Exposure Position	1	2	3	4	1+3	2+3	3+4
	WLAN2.4GHz Ant 8+9	WLAN5GHz Ant 8+9	Bluetooth Ant 8	WLAN6GHz Ant 8+9	Summed	Summed	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front	0.312	0.640	0.011	0.301	0.32	0.65	0.31
Back	0.529	1.163	0.018	0.343	0.55	1.18	0.36

16.4 Product specific 10g SAR Exposure Conditions

Remark:

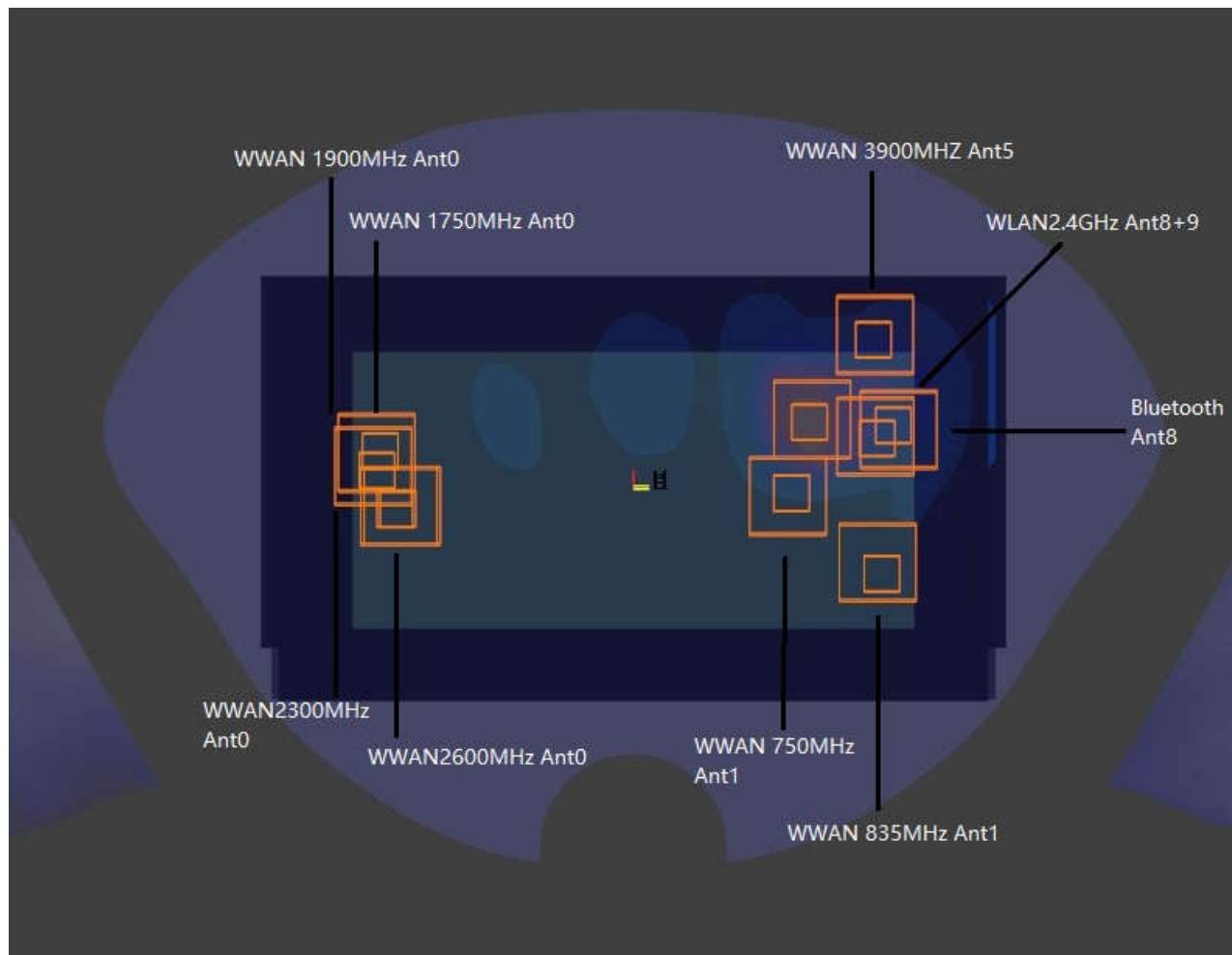
- For WLAN2.4GHz/Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

WWAN Band	Exposure Position	3	5	6	3+6	5+6
		WLAN5GHz Ant 8+9	WLAN6GHz Ant 8+9	NFC	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
All Bands Ant0	Front	0.780	0.446	0.001	0.78	0.45
	Back	1.661	0.419	0.104	1.77	0.52
	Left side	0.050	0.055	0.001	0.05	0.06
	Right side	1.878	0.479	0.001	1.88	0.48
	Top side	0.498	0.452	0.001	0.50	0.45
	Bottom side				0.00	0.00

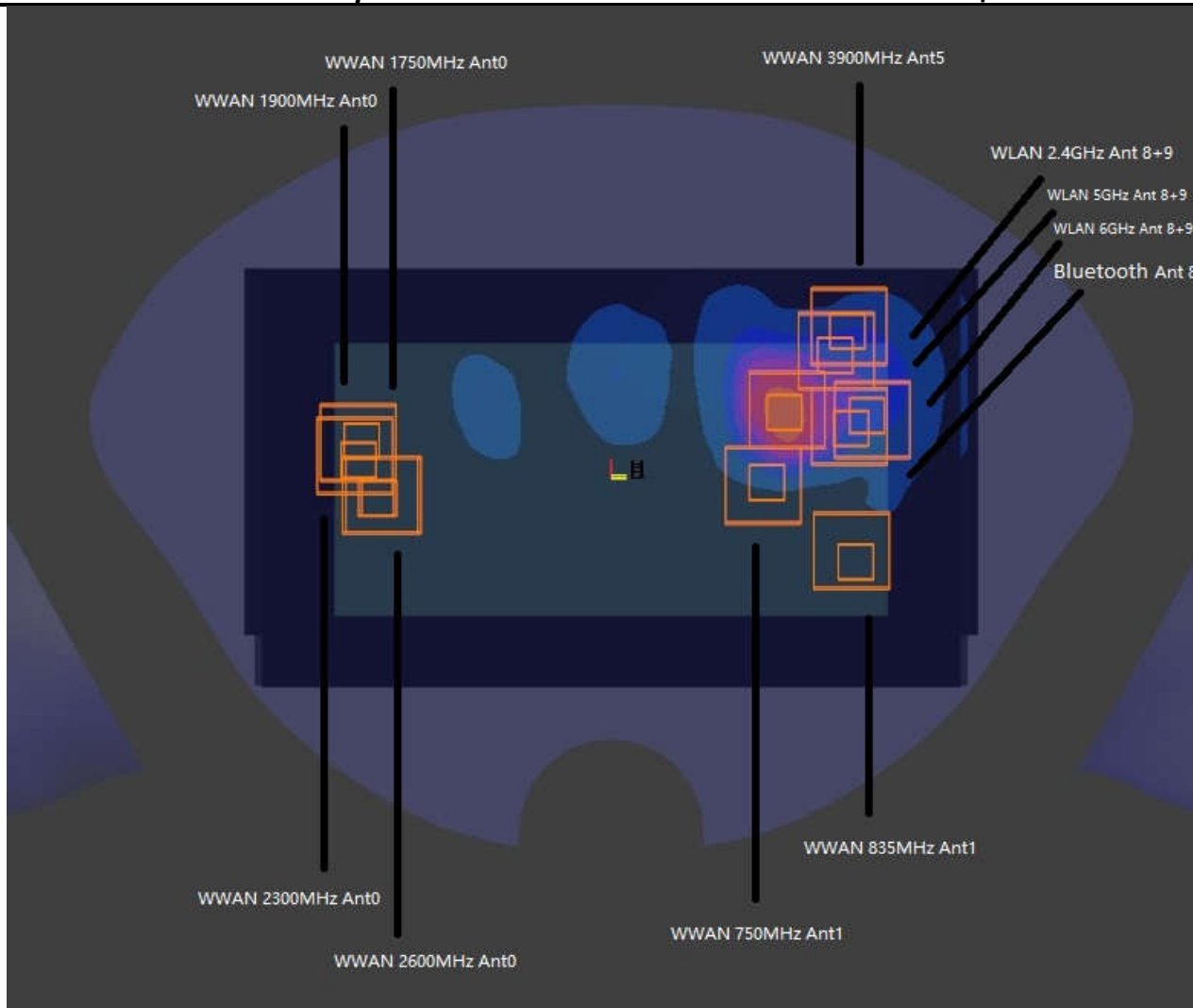
16.5 SPLSR Evaluation and Analysis

General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, WWAN band ant 1, WLAN ant 8/9, and BT ant 8 was summed algebraically for the purposes of hybrid SPLSR combination and they are located at the top of the device
4. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.
5. The detail hotspot point for each transmitter in each exposure condition are showing as below figure and the minimum 3D distance for each sum combination is used for SPLSR analysis.



Hotspot WWAN+FR1+2.4G+BT Back 10mm



Bodyworn WWAN+FR1+5G+2.4G+6G+BT Back 10mm

<Hotspot>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 1	FR1 n66 Ant 0	Back	0.765	0.765	10mm	-22.6	-66.9	-207	140.8	1.61	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm	0.5	72	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n66 Ant 0	Back	0.765	0.765	10mm	-22.6	-66.9	-207	141.6	1.61	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n66 Ant 0	Back	0.765	0.765	10mm	-22.6	-66.9	-207	145.2	1.61	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 2	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	154.2	2.01	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm	0.5	72	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							



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Case 5	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	152.6	2.01	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	156.4	2.01	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 5	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	127.7	1.88	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm	-21.1	48.3	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	152.6	1.88	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	156.4	1.88	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 7	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	147.2	1.78	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm	-21.1	48.3	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	171.2	1.78	0.01	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	175.1	1.78	0.01	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 8	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	174.1	1.91	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm	0.5	72	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	171.2	1.91	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	175.1	1.91	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 10	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	117.5	1.81	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm	-5.6	49.8	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							



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Case No	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	143.0	1.81	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	146.4	1.81	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 12	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	124.4	1.90	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm	-5.6	49.8	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	145.7	1.90	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	149.4	1.90	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 14	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	119.2	1.68	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	143.3	1.68	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	146.7	1.68	0.01	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 15	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	120.3	2.12	0.03	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	145.7	2.12	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	149.4	2.12	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 18	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	118.9	2.03	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							



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	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	143.0	2.03	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	146.4	2.03	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 21	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	119.7	2.20	0.03	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	145.3	2.20	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	149.2	2.20	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 24	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	119.5	2.01	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	145.3	2.01	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	149.1	2.01	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				



<Body-worn>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 27	FR1 n66 Ant 0	Back	0.765	0.765	10mm	-16.6	-67.2	-207	140.2	1.61	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm	0.5	72	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n66 Ant 0	Back	0.765	0.765	10mm	-16.6	-67.2	-207	143.0	1.61	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n66 Ant 0	Back	0.765	0.765	10mm	-16.6	-67.2	-207	146.4	1.61	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 28	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	154.2	2.01	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm	0.5	72	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	152.6	2.01	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	156.4	2.01	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 29	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	154.2	1.99	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.83	10mm	0.5	72	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	145.9	1.99	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.83	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	156.4	1.99	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.83	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 30	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	154.2	1.98	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.82	10mm	0.5	72	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	148.8	1.98	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.82	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	156.4	1.98	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.82	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm							



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	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 31	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	127.7	1.88	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm	-21.1	48.3	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	152.6	1.88	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	156.4	1.88	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 32	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	127.7	1.86	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm	-21.1	48.3	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	145.9	1.86	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	156.4	1.86	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 33	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	127.7	1.86	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm	-21.1	48.3	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	148.8	1.86	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n30 Ant 0	Back	1.157	1.157	10mm	-30.9	-79	-207	156.4	1.86	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 34	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	174.1	1.91	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm	0.5	72	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	171.2	1.91	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	175.1	1.91	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.85	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							



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	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 35	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	174.1	1.89	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.83	10mm	0.5	72	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	163.6	1.89	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.83	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	175.1	1.89	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.83	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 36	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	174.1	1.88	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.82	10mm	0.5	72	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	166.4	1.88	0.02	Not required
	LTE Band 5 Ant 1		0.463	0.82	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	175.1	1.88	0.01	Not required
	LTE Band 5 Ant 1		0.463	0.82	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 37	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	147.2	1.78	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm	-21.1	48.3	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	171.2	1.78	0.01	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	175.1	1.78	0.01	Not required
	LTE Band 12 Ant 1		0.338	0.72	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 38	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	147.2	1.76	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm	-21.1	48.3	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	163.6	1.76	0.01	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	175.1	1.76	0.01	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							



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	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 39	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	140.2	1.81	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm	0.5	72	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	143.0	1.81	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	146.4	1.81	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 40	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	140.2	1.79	0.02	Not required
	FR1 n5 Ant 1		0.402	0.77	10mm	0.5	72	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	138.2	1.79	0.02	Not required
	FR1 n5 Ant 1		0.402	0.77	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	146.4	1.79	0.02	Not required
	FR1 n5 Ant 1		0.402	0.77	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 41	LTE Band 66 Ant 0	Back	1.024	1.426	10mm	-16.6	-67.2	-207	141.1	1.79	0.02	Not required
	FR1 n41 Ant 0		0.402		10mm							
	WLAN6GHz Ant 8+9		0.343	0.36	10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.426	10mm	-16.6	-67.2	-207	146.4	1.79	0.02	Not required
	FR1 n41 Ant 0		0.402	0.36	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
	LTE Band 66 Ant 0	Back	1.024	1.426	10mm				166.4	1.79	0.01	Not required
	FR1 n41 Ant 0		0.402	0.36	10mm	-37.2	-98	-207				
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.426	10mm				175.1	1.79	0.01	Not required
	FR1 n41 Ant 0		0.402	0.36	10mm	-37.2	-98	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 42	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	147.4	1.90	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm	0.5	72	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	145.7	1.90	0.02	Not required
	FR1 n5 Ant 1		0.402	0.79	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				



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	Bluetooth Ant 8	Back	0.018		10mm				149.4	1.90	0.02	Not required
	LTE Band 30 Ant 0		1.116	1.116	10mm	-30.8	-72	-207				
	FR1 n5 Ant 1		0.402	0.79	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 43	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	147.4	1.88	0.02	Not required
	FR1 n5 Ant 1		0.402	0.77	10mm	0.5	72	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	139.1	1.88	0.02	Not required
	FR1 n5 Ant 1		0.402	0.77	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	149.4	1.88	0.02	Not required
	FR1 n5 Ant 1		0.402	0.77	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 44	LTE Band 30 Ant 0	Back	1.116	1.518	10mm	-30.8	-72	-207	142.0	1.88	0.02	Not required
	FR1 n41 Ant 0		0.402		10mm							
	WLAN6GHz Ant 8+9		0.343	0.36	10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.518	10mm	-30.8	-72	-207	149.4	1.88	0.02	Not required
	FR1 n41 Ant 0		0.402	0.36	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
	LTE Band 30 Ant 0	Back	1.116	1.518	10mm				166.4	1.88	0.02	Not required
	FR1 n41 Ant 0		0.402	0.36	10mm	-37.2	-98	-207				
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.518	10mm				175.1	1.88	0.01	Not required
	FR1 n41 Ant 0		0.402	0.36	10mm	-37.2	-98	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 45	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	119.2	1.68	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	143.3	1.68	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	146.7	1.68	0.01	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 46	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	119.2	1.66	0.02	Not required
	FR1 n77 Ant 5		0.622	0.99	10mm	-51.5	46.5	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							



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	Bluetooth Ant 8	Back	0.018		10mm				138.5	1.66	0.02	Not required
	LTE Band 2 Ant 0		0.673	0.673	10mm	-16.6	-67.5	-207				
	FR1 n77 Ant 5		0.622	0.99	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8	Back	0.018	0.99	10mm				146.7	1.66	0.01	Not required
	LTE Band 2 Ant 0		0.673		10mm	-16.6	-67.5	-207				
	FR1 n77 Ant 5		0.622		10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 47	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	120.3	2.12	0.03	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	145.7	2.12	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	149.4	2.12	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 48	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	120.3	2.10	0.03	Not required
	FR1 n77 Ant 5		0.622	0.99	10mm	-51.5	46.5	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	139.1	2.10	0.02	Not required
	FR1 n77 Ant 5		0.622	0.99	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	149.4	2.10	0.02	Not required
	FR1 n77 Ant 5		0.622	0.99	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 49	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	120.3	2.10	0.03	Not required
	FR1 n77 Ant 5		0.622	0.98	10mm	-51.5	46.5	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	142.0	2.10	0.02	Not required
	FR1 n77 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 30 Ant 0	Back	1.116	1.116	10mm	-30.8	-72	-207	149.4	2.10	0.02	Not required
	FR1 n77 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 50	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	118.9	2.03	0.02	Not required
	FR1 n77 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							



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	Bluetooth Ant 8	Back	0.018		10mm				143.0	2.03	0.02	Not required
	LTE Band 66 Ant 0		1.024	1.024	10mm	-16.6	-67.2	-207				
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8	Back	0.018		10mm				146.4	2.03	0.02	Not required
	LTE Band 66 Ant 0		1.024	1.024	10mm	-16.6	-67.2	-207				
	FR1 n77 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 51	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	118.9	2.01	0.02	Not required
	FR1 n77 Ant 5		0.622	0.99	10mm	-51.5	46.5	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	138.2	2.01	0.02	Not required
	FR1 n77 Ant 5		0.622	0.99	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	146.4	2.01	0.02	Not required
	FR1 n77 Ant 5		0.622	0.99	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 52	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	118.9	2.01	0.02	Not required
	FR1 n77 Ant 5		0.622	0.98	10mm	-51.5	46.5	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	141.1	2.01	0.02	Not required
	FR1 n77 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 66 Ant 0	Back	1.024	1.024	10mm	-16.6	-67.2	-207	146.4	2.01	0.02	Not required
	FR1 n77 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 53	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	119.7	2.20	0.03	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	145.3	2.20	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	149.2	2.20	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 54	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	119.7	2.18	0.03	Not required
	FR1 n78 Ant 5		0.622	0.99	10mm	-51.5	46.5	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							



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	Bluetooth Ant 8	Back	0.018		10mm				138.3	2.18	0.02	Not required
	LTE Band 7 Ant 0		1.193	1.193	10mm	-34.8	-72	-207				
	FR1 n78 Ant 5		0.622	0.99	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	149.2	2.18	0.02	Not required
	FR1 n78 Ant 5		0.622	0.99	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 55	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	119.7	2.18	0.03	Not required
	FR1 n78 Ant 5		0.622	0.98	10mm	-51.5	46.5	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	141.2	2.18	0.02	Not required
	FR1 n78 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 7 Ant 0	Back	1.193	1.193	10mm	-34.8	-72	-207	149.2	2.18	0.02	Not required
	FR1 n78 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 56	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	119.5	2.01	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm	-51.5	46.5	-207				
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	145.3	2.01	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm	-44.6	73	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	149.1	2.01	0.02	Not required
	FR1 n78 Ant 5		0.622	1.01	10mm							
	WLAN2.4GHz Ant 8+9		0.367		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 57	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	119.5	1.99	0.02	Not required
	FR1 n78 Ant 5		0.622	0.99	10mm	-51.5	46.5	-207				
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	138.1	1.99	0.02	Not required
	FR1 n78 Ant 5		0.622	0.99	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm	-60	64	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	149.1	1.99	0.02	Not required
	FR1 n78 Ant 5		0.622	0.99	10mm							
	WLAN5GHz Ant 8+9		0.347		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 58	LTE Band 41 Ant 0	Back	1.006	1.006	10mm	-36	-72	-207	119.5	1.99	0.02	Not required
	FR1 n78 Ant 5		0.622	0.98	10mm	-51.5	46.5	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							



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	Bluetooth Ant 8	Back	0.018		10mm				141.0	1.99	0.02	Not required
	LTE Band 41 Ant 0		1.006	1.006	10mm	-36	-72	-207				
	FR1 n78 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8	Back	0.018		10mm				149.1	1.99	0.02	Not required
	LTE Band 41 Ant 0		1.006	1.006	10mm	-36	-72	-207				
	FR1 n78 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 85	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	147.2	1.76	0.02	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm	-21.1	48.3	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	166.4	1.76	0.01	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	FR1 n41 Ant 0	Back	1.058	1.058	10mm	-37.2	-98	-207	175.1	1.76	0.01	Not required
	LTE Band 12 Ant 1		0.338	0.70	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 86	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	119.2	1.66	0.02	Not required
	FR1 n77 Ant 5		0.622	0.98	10mm	-51.5	46.5	-207				
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	141.4	1.66	0.02	Not required
	FR1 n77 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm	-61.2	66.7	-207				
	Bluetooth Ant 8		0.018		10mm							
	LTE Band 2 Ant 0	Back	0.673	0.673	10mm	-16.6	-67.5	-207	146.7	1.66	0.01	Not required
	FR1 n77 Ant 5		0.622	0.98	10mm							
	WLAN6GHz Ant 8+9		0.343		10mm							
	Bluetooth Ant 8		0.018		10mm	-42	77	-207				

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17. 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.

18. 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 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [9] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [10] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [11] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [12] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015

Appendixes

Please refer to separated files for the following appendixes

Appendix A. Plots of System Performance Check

Appendix B. Plots of High SAR Measurement

Appendix C. DASY Calibration Certificate

Appendix D. Test Setup Photos

Appendix E. Conducted RF Output Power Table

Appendix F. Power reduction mechanism verification

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