



FCC SAR Test Report

Report No. : FA572502

	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 7	DSI 7	656000	3840	1		13.68	14.10	1.102			-0.01	0.136	0.150
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 7	DSI 7	656000	3840	1		13.65	14.10	1.109			0.02	0.074	0.082
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 7	DSI 7	656000	3840	1		13.68	14.10	1.102			0.12	0.469	0.517
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 7	DSI 7	656000	3840	1		13.65	14.10	1.109			-0.11	0.373	0.414
	FR1 n77	100M	BPSK	1	1	Left Side	5mm	Ant 7	DSI 7	656000	3840	1		13.68	14.10	1.102			-0.06	0.043	0.047
	FR1 n77	100M	BPSK	135	69	Left Side	5mm	Ant 7	DSI 7	656000	3840	1		13.65	14.10	1.109			-0.15	0.037	0.041
	FR1 n77	100M	BPSK	1	1	Right Side	5mm	Ant 7	DSI 7	656000	3840	1		13.68	14.10	1.102			0.03	0.073	0.080
	FR1 n77	100M	BPSK	135	69	Right Side	5mm	Ant 7	DSI 7	656000	3840	1		13.65	14.10	1.109			-0.13	0.039	0.043
	FR1 n77	100M	BPSK	1	1	Top Side	5mm	Ant 7	DSI 7	656000	3840	1		13.68	14.10	1.102			0.16	0.277	0.305
	FR1 n77	100M	BPSK	135	69	Top Side	5mm	Ant 7	DSI 7	656000	3840	1		13.65	14.10	1.109			-0.15	0.258	0.286
	FR1 n77 HPUE	100M	BPSK	1	1	Back	5mm	Ant 7	DSI 7	656000	3840	1		16.16	17.10	1.242	50.0	1.0	0.03	0.433	0.538
	FR1 n77 HPUE	100M	BPSK	1	1	Back	5mm	Ant 7	DSI 7	656000	3840	1	Cover	16.16	17.1	1.242	50	1	-0.15	0.395	0.491
	FR1 n77 HPUE	100M	BPSK	1	1	Back	5mm	Ant 7	DSI 7	656000	3840	2		16.16	17.1	1.242	50	1	-0.17	0.431	0.535

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3+2(2)	Hotspot	1	2412	1		16.09	18.00	1.552	99.88	1.001	0.01	0.322	0.500
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+2(2)	Hotspot	1	2412	1		16.09	18.00	1.552	99.88	1.001	0.09	0.393	0.611
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 3+2(2)	Hotspot	1	2412	1		16.09	18.00	1.552	99.88	1.001	0.04	0.021	0.033
49	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+2(2)	Hotspot	1	2412	1		16.09	18.00	1.552	99.88	1.001	-0.02	0.408	0.634
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 3+2(2)	Hotspot	1	2412	1		16.09	18.00	1.552	99.88	1.001	0.05	0.366	0.569
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+2(2)	Hotspot	1	2412	1	Cover	16.09	18	1.552	99.88	1.001	-0.11	0.321	0.499
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+2(2)	Hotspot	1	2412	2		16.09	18	1.552	99.88	1.001	0.17	0.376	0.584
	WLAN5GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+7(7)	Hotspot	46	5230	1		17.03	18.50	1.403	100.0	1.0	0.03	0.292	0.410
50	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+7(7)	Hotspot	46	5230	1		17.03	18.50	1.403	100.0	1.0	0.06	0.452	0.634
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	5mm	Ant 5+7(7)	Hotspot	46	5230	1		17.03	18.50	1.403	100.0	1.0	0.01	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	5mm	Ant 5+7(7)	Hotspot	46	5230	1		17.03	18.50	1.403	100.0	1.0	0.05	0.236	0.331
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	5mm	Ant 5+7(7)	Hotspot	46	5230	1		17.03	18.50	1.403	100.0	1.0	0.08	0.273	0.383
	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+7(7)	Hotspot	46	5230	1	Cover	17.03	18.5	1.403	100	1	0.19	0.403	0.565
	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+7(7)	Hotspot	46	5230	2		17.03	18.5	1.403	100	1	-0.05	0.423	0.593
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	Hotspot	155	5775	1		14.31	15.5	1.315	99.82	1.002	0.06	0.235	0.310
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	Hotspot	155	5775	1		14.31	15.5	1.315	99.82	1.002	0.01	0.198	0.261
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 5+7(5)	Hotspot	155	5775	1		14.31	15.5	1.315	99.82	1.002	0.06	0.025	0.033
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5+7(5)	Hotspot	155	5775	1		14.31	15.5	1.315	99.82	1.002	0.09	0.098	0.129
51	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+7(5)	Hotspot	155	5775	1		14.31	15.5	1.315	99.82	1.002	-0.06	0.428	0.564
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+7(5)	Hotspot	155	5775	1	Cover	14.31	15.5	1.315	99.82	1.002	-0.14	0.366	0.482
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+7(5)	Hotspot	155	5775	2		14.31	15.5	1.315	99.82	1.002	0.01	0.411	0.542

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	5mm	Ant 2	Hotspot	39	2441	1	11.60	13.00	1.38	77.07	1.081	0.08	0.120	0.179
	Bluetooth	1Mbps	Back	5mm	Ant 2	Hotspot	39	2441	1	11.60	13.00	1.38	77.07	1.081	0.01	0.119	0.178
	Bluetooth	1Mbps	Left Side	5mm	Ant 2	Hotspot	39	2441	1	11.60	13.00	1.38	77.07	1.081	0.03	0.002	0.003
52	Bluetooth	1Mbps	Right Side	5mm	Ant 2	Hotspot	39	2441	1	11.60	13.00	1.38	77.07	1.081	-0.01	0.194	0.289
	Bluetooth	1Mbps	Top Side	5mm	Ant 2	Hotspot	39	2441	1	11.60	13.00	1.38	77.07	1.081	-0.08	0.025	0.037

16.3 Body Worn Accessory SAR

【GSM SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850	GPRS 2 Tx slots	Front	5mm	Ant 0	DSI 3	189	836.4	1		30.52	31.50	1.253	-0.11	0.431	0.540
53	GSM850	GPRS 2 Tx slots	Back	5mm	Ant 0	DSI 3	189	836.4	1		30.52	31.50	1.253	-0.09	0.548	0.687
	GSM850	GPRS 2 Tx slots	Back	5mm	Ant 0	DSI 3	189	836.4	1	Cover	30.52	31.5	1.253	0.02	0.488	0.611
	GSM850	GPRS 2 Tx slots	Back	5mm	Ant 0	DSI 3	189	836.4	2		30.52	31.5	1.253	0.08	0.523	0.655
	GSM1900	GPRS 3 Tx slots	Front	5mm	Ant 8	DSI 3	661	1880	1		25.32	26.50	1.312	0.05	0.646	0.848
	GSM1900	GPRS 3 Tx slots	Front	5mm	Ant 8	DSI 3	512	1850.2	1		25.24	26.50	1.337	0.06	0.778	1.040
	GSM1900	GPRS 3 Tx slots	Front	5mm	Ant 8	DSI 3	810	1909.8	1		25.22	26.50	1.343	-0.09	0.779	1.046
	GSM1900	GPRS 3 Tx slots	Back	5mm	Ant 8	DSI 3	661	1880	1		25.32	26.50	1.312	-0.08	0.757	0.993
	GSM1900	GPRS 3 Tx slots	Back	5mm	Ant 8	DSI 3	512	1850.2	1		25.24	26.50	1.337	0.13	0.805	1.076
54	GSM1900	GPRS 3 Tx slots	Back	5mm	Ant 8	DSI 3	810	1909.8	1		25.22	26.50	1.343	-0.16	0.835	1.121
	GSM1900	GPRS 3 Tx slots	Back	5mm	Ant 8	DSI 3	810	1909.8	1	Cover	25.22	26.5	1.343	0.16	0.791	1.062
	GSM1900	GPRS 3 Tx slots	Back	5mm	Ant 8	DSI 3	810	1909.8	2		25.22	26.5	1.343	0.01	0.829	1.113

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 4	9400	1880	1		23.11	24.00	1.227	0.03	0.466	0.572
	WCDMA II	RMC 12.2Kbps	Back	12mm	Ant 4	DSI 4	9400	1880	1		23.11	24.00	1.227	0.01	0.533	0.654
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 4	DSI 3	9400	1880	1		18.99	19.90	1.233	-0.04	0.440	0.543
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 4	DSI 3	9400	1880	1		18.99	19.90	1.233	-0.19	0.622	0.767
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 4	DSI 3	9400	1880	1	Cover	18.99	19.9	1.233	-0.03	0.587	0.724
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 4	DSI 3	9400	1880	2		18.99	19.9	1.233	0.03	0.611	0.753
	WCDMA II	RMC 12.2Kbps	Front	15mm	Ant 8	DSI 4	9400	1880	1		23.61	24.00	1.094	0.03	0.696	0.761
	WCDMA II	RMC 12.2Kbps	Back	12mm	Ant 8	DSI 4	9400	1880	1		23.61	24.00	1.094	0.09	0.688	0.753
55	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 3	9400	1880	1		19.79	20.70	1.233	-0.06	0.889	1.096
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 3	9262	1852.4	1		19.58	20.70	1.294	0.06	0.823	1.065
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 3	9538	1907.6	1		19.71	20.70	1.256	0.15	0.854	1.073
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 3	9400	1880	1		19.79	20.70	1.233	-0.08	0.844	1.041
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 3	9262	1852.4	1		19.58	20.70	1.294	-0.05	0.816	1.056
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 3	9538	1907.6	1		19.71	20.70	1.256	-0.18	0.808	1.015
	WCDMA IV	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 4	1413	1732.6	1		23.12	24.00	1.225	0.03	0.454	0.556
	WCDMA IV	RMC 12.2Kbps	Back	12mm	Ant 4	DSI 4	1413	1732.6	1		23.12	24.00	1.225	0.01	0.457	0.560
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 4	DSI 3	1413	1732.6	1		19.86	21.10	1.33	0.03	0.399	0.531
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 4	DSI 3	1413	1732.6	1		19.86	21.10	1.33	-0.02	0.578	0.769
	WCDMA IV	RMC 12.2Kbps	Front	15mm	Ant 8	DSI 4	1413	1732.6	1		23.66	24.00	1.081	0.06	0.716	0.774
	WCDMA IV	RMC 12.2Kbps	Back	12mm	Ant 8	DSI 4	1413	1732.6	1		23.66	24.00	1.081	0.09	0.704	0.761
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 3	1413	1732.6	1		20.33	21.20	1.222	-0.08	0.816	0.997
56	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 3	1312	1712.4	1		20.25	21.20	1.245	-0.02	0.899	1.119
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 3	1513	1752.6	1		20.19	21.20	1.262	0.18	0.830	1.047
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 3	1413	1732.6	1		20.33	21.20	1.222	0.10	0.870	1.063
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 3	1312	1712.4	1		20.25	21.20	1.245	0.03	0.895	1.114
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 8	DSI 3	1513	1752.6	1		20.19	21.20	1.262	0.04	0.830	1.047
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 3	1312	1712.4	1	Cover	20.25	21.2	1.245	0.07	0.823	1.025
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 8	DSI 3	1312	1712.4	2		20.25	21.2	1.245	-0.08	0.845	1.052
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 3	4182	836.4	1		23.83	24.00	1.04	-0.09	0.485	0.504
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	4182	836.4	1		23.83	24.00	1.04	-0.01	0.632	0.657
	WCDMA V	RMC 12.2Kbps	Front	15mm	Ant 1	DSI 4	4182	836.4	1		22.85	24.00	1.303	0.03	0.608	0.792
	WCDMA V	RMC 12.2Kbps	Back	12mm	Ant 1	DSI 4	4182	836.4	1		22.85	24.00	1.303	0.01	0.531	0.692
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3	4182	836.4	1		20.39	21.50	1.291	0.03	0.637	0.822
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3	4132	826.4	1		20.21	21.50	1.346	0.10	0.644	0.867
57	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3	4233	846.6	1		20.25	21.50	1.334	-0.04	0.747	0.996
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3	4182	836.4	1		20.39	21.50	1.291	0.16	0.513	0.662
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3	4233	846.6	1	Cover	20.25	21.5	1.334	-0.06	0.721	0.962
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3	4233	846.6	2		20.25	21.5	1.334	-0.08	0.741	0.988



【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 2	20M	QPSK	1	0	Front	15mm	Ant 4	DSI 4	18900	1880	1		23.18	24.00	1.208			0.02	0.416	0.503
	LTE Band 2	20M	QPSK	1	0	Back	12mm	Ant 4	DSI 4	18900	1880	1		23.18	24.00	1.208			0.01	0.613	0.741
	LTE Band 2	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	18900	1880	1		19.51	20.60	1.285			0.01	0.593	0.762
	LTE Band 2	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	18900	1880	1		19.43	20.60	1.309			-0.09	0.478	0.626
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	18900	1880	1		19.51	20.60	1.285			0.10	0.356	0.457
	LTE Band 2	20M	QPSK	50	0	Back	5mm	Ant 4	DSI 3	18900	1880	1		19.43	20.60	1.309			0.08	0.278	0.364
	LTE Band 2C	20M	QPSK	1	99	Front	5mm	Ant 4	DSI 3	18900+19098	1880+1899.8	1		19.39	20.6	1.321			0.05	0.546	0.721
	LTE Band 2	20M	QPSK	1	0	Front	15mm	Ant 8	DSI 4	18900	1880	1		23.11	24.00	1.227			0.04	0.630	0.773
	LTE Band 2	20M	QPSK	1	0	Back	12mm	Ant 8	DSI 4	18900	1880	1		23.11	24.00	1.227			0.03	0.638	0.783
	LTE Band 2	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	18900	1880	1		20.26	21.50	1.33			0.01	0.804	1.069
58	LTE Band 2	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	18700	1860	1		20.25	21.50	1.334			-0.09	0.831	1.109
	LTE Band 2	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	19100	1900	1		20.23	21.50	1.34			0.11	0.824	1.104
	LTE Band 2	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	18900	1880	1		20.23	21.50	1.34			0.14	0.635	0.851
	LTE Band 2	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	18700	1860	1		20.21	21.50	1.346			-0.15	0.652	0.878
	LTE Band 2	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	19100	1900	1		20.20	21.50	1.349			0.02	0.638	0.861
	LTE Band 2	20M	QPSK	100	0	Front	5mm	Ant 8	DSI 3	18900	1880	1		20.17	21.50	1.358			-0.03	0.628	0.853
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	18900	1880	1		20.26	21.50	1.33			-0.16	0.768	1.021
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	18700	1860	1		20.25	21.50	1.334			-0.02	0.814	1.086
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	19100	1900	1		20.23	21.50	1.34			0.08	0.788	1.056
	LTE Band 2	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	18900	1880	1		20.23	21.50	1.34			0.03	0.602	0.807
	LTE Band 2	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	18700	1860	1		20.21	21.50	1.346			-0.04	0.622	0.837
	LTE Band 2	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	19100	1900	1		20.20	21.50	1.349			0.17	0.608	0.820
	LTE Band 2	20M	QPSK	100	0	Back	5mm	Ant 8	DSI 3	18900	1880	1		20.17	21.50	1.358			0.18	0.598	0.812
	LTE Band 2C	20M	QPSK	1	99	Front	5mm	Ant 8	DSI 3	18700+18898	1860+1879.8	1		20.11	21.5	1.377			0.02	0.785	1.081
	LTE Band 7	20M	QPSK	1	0	Front	15mm	Ant 4	DSI 4	21100	2535	1		23.45	24.00	1.135			0.01	0.593	0.673
	LTE Band 7	20M	QPSK	1	0	Back	12mm	Ant 4	DSI 4	21100	2535	1		23.45	24.00	1.135			0.06	0.605	0.687
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	21100	2535	1		15.11	15.90	1.199			0.11	0.570	0.683
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	21100	2535	1		15.09	15.90	1.205			0.09	0.455	0.548
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	21100	2535	1		15.11	15.90	1.199			0.01	0.642	0.770
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 4	DSI 3	21100	2535	1		15.09	15.90	1.205			0.12	0.444	0.535
	LTE Band 7_PA (Reference Designator)	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	21100	2535	1		15.11	15.9	1.199			0.05	0.344	0.412
	LTE Band 7C	20M	QPSK	1	99	Back	5mm	Ant 4	DSI 3	21100+21298	2535+2554.8	1		15.01	15.9	1.227			0.02	0.618	0.758
	LTE Band 7	20M	QPSK	1	0	Front	15mm	Ant 8	DSI 4	21100	2535	1		23.58	24.00	1.102			0.03	0.475	0.523
	LTE Band 7	20M	QPSK	1	0	Back	12mm	Ant 8	DSI 4	21100	2535	1		23.58	24.00	1.102			0.01	0.480	0.529
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	21100	2535	1		20.89	21.70	1.205			0.03	0.828	0.998
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	20850	2510	1		20.82	21.70	1.225			0.01	0.846	1.036
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	21350	2560	1		20.79	21.70	1.233			0.04	0.837	1.032
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	21100	2535	1		20.86	21.70	1.213			-0.16	0.660	0.801
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	20850	2510	1		20.81	21.70	1.227			-0.12	0.656	0.805
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	21350	2560	1		20.78	21.70	1.236			-0.08	0.674	0.833
	LTE Band 7	20M	QPSK	100	0	Front	5mm	Ant 8	DSI 3	21350	2560	1		20.83	21.70	1.222			-0.18	0.660	0.807
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	21100	2535	1		20.89	21.70	1.205			-0.13	0.837	1.009
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	20850	2510	1		20.82	21.70	1.225			-0.03	0.758	0.929
59	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	21350	2560	1		20.79	21.70	1.233			-0.14	0.888	1.095
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	21100	2535	1		20.86	21.70	1.213			0.02	0.669	0.811
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	20850	2510	1		20.81	21.70	1.227			0.02	0.632	0.775
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	21350	2560	1		20.78	21.70	1.236			0.11	0.697	0.861
	LTE Band 7	20M	QPSK	100	0	Back	5mm	Ant 8	DSI 3	21350	2560	1		20.83	21.70	1.222			-0.17	0.674	0.824
	LTE Band 7_PA (Reference Designator)	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	21350	2560	1		20.79	21.7	1.233			0.05	0.557	0.687
	LTE Band 7C	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	21350+21152	2560+2540.2	1		20.79	21.7	1.233			0.02	0.851	1.049
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	23095	707.5	1		23.35	24.00	1.161			-0.04	0.391	0.454
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 3	23095	707.5	1		23.31	24.00	1.172			-0.17	0.314	0.368
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	23095	707.5	1		23.35	24.00	1.161			0.01	0.398	0.462
	LTE Band 12	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 3	23095	707.5	1		23.31	24.00	1.172			-0.07	0.334	0.391
	LTE Band 12	10M	QPSK	1	0	Front	15mm	Ant 1	DSI 4	23095	707.5	1		23.56	24.00	1.107			0.01	0.344	0.381
	LTE Band 12	10M	QPSK	1	0	Back	12mm	Ant 1	DSI 4	23095	707.5	1		23.56	24.00	1.107			0.06	0.310	0.343
60	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	23095	707.5	1		22.83	23.80	1.25			-0.19	0.788	0.985
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 3	23095	707.5	1		22.79	23.80	1.262			-0.16	0.663	0.837
	LTE Band 12	10M	QPSK	50	0	Front	5mm	Ant 1	DSI 3	23095	707.5	1		22.34	23.80	1.4			0.05	0.693	0.970
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 1	DSI 3	23095	707.5	1		22.83	23.80	1.25			-0.03	0.599	0.749
	LTE Band 12	10M	QPSK	25	0	Back	5mm	Ant 1	DSI 3	23095	707.5	1		22.79	23.80	1.262			0.17	0.513	0.647
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	23095	707.5	1	Cover	22.83	23.8	1.25			-0.04	0.709	0.886
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	23095	707.5	2		22.83	23.8	1.25			0.1	0.741	0.926
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	23230	782	1		23.51	24.00	1.119			0.04	0.380	0.425



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	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 3	23230	782	1		23.40	24.00	1.148			0.01	0.312	0.358
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	23230	782	1		23.51	24.00	1.119			-0.02	0.495	0.554
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 3	23230	782	1		23.40	24.00	1.148			0.04	0.402	0.461
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	23230	782	1	Cover	23.51	24	1.119			-0.09	0.461	0.516
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	23230	782	2		23.51	24	1.119			0.1	0.453	0.507
	LTE Band 13	10M	QPSK	1	0	Front	15mm	Ant 1	DSI 4	23230	782	1		23.58	24.00	1.102			0.01	0.593	0.653
	LTE Band 13	10M	QPSK	1	0	Back	12mm	Ant 1	DSI 4	23230	782	1		23.58	24.00	1.102			0.06	0.533	0.587
61	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	23230	782	1		21.72	22.90	1.312			-0.17	0.751	0.985
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 3	23230	782	1		21.65	22.90	1.334			0.16	0.633	0.844
	LTE Band 13	10M	QPSK	50	0	Front	5mm	Ant 1	DSI 3	23230	782	1		21.71	22.90	1.315			0.05	0.660	0.868
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 1	DSI 3	23230	782	1		21.72	22.90	1.312			-0.06	0.596	0.782
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 1	DSI 3	23230	782	1		21.65	22.90	1.334			-0.13	0.487	0.650
	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	26865	831.5	1		23.63	24.00	1.089			-0.06	0.436	0.475
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 0	DSI 3	26865	831.5	1		23.48	24.00	1.127			0.16	0.346	0.390
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	26865	831.5	1		23.63	24.00	1.089			0.13	0.592	0.645
	LTE Band 26	15M	QPSK	36	0	Back	5mm	Ant 0	DSI 3	26865	831.5	1		23.48	24.00	1.127			0.10	0.465	0.524
	LTE Band 26	15M	QPSK	1	0	Front	15mm	Ant 1	DSI 4	26865	831.5	1		23.10	24.00	1.23			0.02	0.631	0.776
	LTE Band 26	15M	QPSK	1	0	Back	12mm	Ant 1	DSI 4	26865	831.5	1		23.10	24.00	1.23			0.03	0.593	0.729
62	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	26865	831.5	1		20.89	22.10	1.321			-0.08	0.752	0.993
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 1	DSI 3	26865	831.5	1		20.88	22.10	1.324			0.08	0.606	0.802
	LTE Band 26	15M	QPSK	75	0	Front	5mm	Ant 1	DSI 3	26865	831.5	1		20.64	22.10	1.4			0.01	0.627	0.878
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 1	DSI 3	26865	831.5	1		20.89	22.10	1.321			0.03	0.623	0.823
	LTE Band 26	15M	QPSK	36	0	Back	5mm	Ant 1	DSI 3	26865	831.5	1		20.88	22.10	1.324			-0.08	0.477	0.632
	LTE Band 26	15M	QPSK	75	0	Back	5mm	Ant 1	DSI 3	26865	831.5	1		20.64	22.10	1.4			-0.08	0.498	0.697
	LTE Band 66	20M	QPSK	1	0	Front	15mm	Ant 4	DSI 4	132322	1745	1		23.15	24.00	1.216			0.03	0.422	0.513
	LTE Band 66	20M	QPSK	1	0	Back	12mm	Ant 4	DSI 4	132322	1745	1		23.15	24.00	1.216			0.06	0.501	0.609
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	132322	1745	1		19.46	20.50	1.271			-0.03	0.495	0.629
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	132322	1745	1		19.43	20.50	1.279			-0.02	0.388	0.496
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	132322	1745	1		19.46	20.50	1.271			-0.02	0.612	0.778
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 4	DSI 3	132322	1745	1		19.43	20.50	1.279			0.03	0.475	0.608
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	132322	1745	1	Cover	19.46	20.5	1.271			-0.17	0.556	0.707
	LTE Band 66_PA (Reference Designator)	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	132322	1745	1		19.46	20.5	1.271			0.06	0.421	0.535
	LTE Band 66C	20M	QPSK	1	99	Back	5mm	Ant 4	DSI 3	132322+ 132520	1745+ 1764.8	1		19.31	20.5	1.315			0.01	0.575	0.756
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	132322	1745	2		19.46	20.5	1.271			0.12	0.589	0.749
	LTE Band 66	20M	QPSK	1	0	Front	15mm	Ant 8	DSI 4	132322	1745	1		23.31	24.00	1.172			0.01	0.632	0.741
	LTE Band 66	20M	QPSK	1	0	Back	12mm	Ant 8	DSI 4	132322	1745	1		23.31	24.00	1.172			0.03	0.675	0.791
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	132322	1745	1		20.93	22.20	1.34			0.03	0.727	0.974
63	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	132072	1720	1		20.91	22.20	1.346			-0.06	0.791	1.065
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	132572	1770	1		20.89	22.20	1.352			-0.03	0.716	0.968
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	132322	1745	1		20.91	22.20	1.346			0.09	0.577	0.777
	LTE Band 66	20M	QPSK	100	0	Front	5mm	Ant 8	DSI 3	132322	1745	1		20.87	22.20	1.358			-0.10	0.570	0.774
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	132322	1745	1		20.93	22.20	1.34			0.10	0.770	1.032
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	132072	1720	1		20.91	22.20	1.346			0.17	0.787	1.059
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	132572	1770	1		20.89	22.20	1.352			-0.06	0.713	0.964
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	132322	1745	1		20.91	22.20	1.346			0.07	0.613	0.825
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	132072	1720	1		20.82	22.20	1.374			0.11	0.613	0.842
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	132572	1770	1		20.85	22.20	1.365			-0.18	0.545	0.744
	LTE Band 66	20M	QPSK	100	0	Back	5mm	Ant 8	DSI 3	132322	1745	1		20.87	22.20	1.358			0.11	0.602	0.818
	LTE Band 66_PA (Reference Designator)	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	132072	1720	1		20.91	22.2	1.346			0.09	0.591	0.795
	LTE Band 66C	20M	QPSK	1	99	Front	5mm	Ant 8	DSI 3	132072+ 132270	1720+ 1739.8	1		20.75	22.2	1.396			0.02	0.727	1.015
	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 0	DSI 3	133297	680.5	1		23.61	24.00	1.094			-0.01	0.405	0.443
	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 0	DSI 3	133297	680.5	1		23.55	24.00	1.109			-0.11	0.339	0.376
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 0	DSI 3	133297	680.5	1		23.61	24.00	1.094			-0.03	0.445	0.487
	LTE Band 71	20M	QPSK	50	0	Back	5mm	Ant 0	DSI 3	133297	680.5	1		23.55	24.00	1.109			0.04	0.380	0.421
64	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	133297	680.5	1		23.65	24.00	1.084			-0.07	0.746	0.809
	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 1	DSI 3	133297	680.5	1		23.62	24.00	1.091			-0.16	0.601	0.656
	LTE Band 71	20M	QPSK	100	0	Front	5mm	Ant 1	DSI 3	133297	680.5	1		23.50	24.00	1.122			-0.15	0.641	0.719
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 3	133297	680.5	1		23.65	24.00	1.084			-0.06	0.580	0.62



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	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 1	DSI 3	41055	2636.5	1		21.20	22.30	1.288	62.9	1.006	0.17	0.546	0.707
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 1	DSI 3	41490	2680	1		21.22	22.30	1.282	62.9	1.006	0.18	0.413	0.533
	LTE Band 41	20M	QPSK	100	0	Front	5mm	Ant 1	DSI 3	40620	2593	1		21.26	22.30	1.271	62.9	1.006	-0.04	0.694	0.887
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 3	40620	2593	1		21.36	22.30	1.242	62.9	1.006	-0.08	0.661	0.826
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 3	39750	2506	1		21.34	22.30	1.247	62.9	1.006	-0.13	0.479	0.601
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 3	40185	2549.5	1		21.31	22.30	1.256	62.9	1.006	-0.13	0.571	0.721
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 3	41055	2636.5	1		21.27	22.30	1.268	62.9	1.006	0.06	0.656	0.837
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 1	DSI 3	41490	2680	1		21.29	22.30	1.262	62.9	1.006	-0.03	0.415	0.527
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 1	DSI 3	40620	2593	1		21.34	22.30	1.247	62.9	1.006	-0.03	0.536	0.672
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 1	DSI 3	39750	2506	1		21.24	22.30	1.276	62.9	1.006	0.08	0.418	0.537
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 1	DSI 3	40185	2549.5	1		21.27	22.30	1.268	62.9	1.006	-0.07	0.501	0.639
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 1	DSI 3	41055	2636.5	1		21.20	22.30	1.288	62.9	1.006	0.05	0.469	0.608
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 1	DSI 3	41490	2680	1		21.22	22.30	1.282	62.9	1.006	-0.11	0.343	0.442
	LTE Band 41	20M	QPSK	100	0	Back	5mm	Ant 1	DSI 3	40620	2593	1		21.26	22.30	1.271	62.9	1.006	-0.12	0.617	0.789
	LTE Band 41_HPUE	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	40620	2593	1		23.05	23.90	1.216	42.9	1.009	-0.09	0.810	0.994
	LTE Band 41_HPUE	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	40620	2593	1	Cover	23.05	23.9	1.216	42.9	1.009	-0.17	0.739	0.907
	LTE Band 41C_HPUE	20M	QPSK	1	99	Front	5mm	Ant 1	DSI 3	40620+ 40818	2593+ 2612.8	1		22.89	23.9	1.262	42.9	1.009	0.02	0.746	0.950
	LTE Band 41_HPUE	20M	QPSK	1	0	Front	5mm	Ant 1	DSI 3	40620	2593	2		23.05	23.9	1.216	42.9	1.009	0.08	0.755	0.926
	LTE Band 41	20M	QPSK	1	0	Front	15mm	Ant 4	DSI 4	40620	2593	1		23.66	24.00	1.081	62.9	1.006	0.01	0.308	0.335
	LTE Band 41	20M	QPSK	1	0	Back	12mm	Ant 4	DSI 4	40620	2593	1		23.66	24.00	1.081	62.9	1.006	0.03	0.429	0.467
	LTE Band 41_HPUE	20M	QPSK	1	0	Back	12mm	Ant 4	DSI 4	40620	2593	1		26.55	27	1.109	42.9	1.009	0.04	0.557	0.623
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	40620	2593	1		17.89	19.10	1.321	62.9	1.006	0.10	0.525	0.698
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	39750	2506	1		17.75	19.10	1.365	62.9	1.006	-0.18	0.507	0.696
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	40185	2549.5	1		17.85	19.10	1.334	62.9	1.006	-0.08	0.578	0.776
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	41055	2636.5	1		17.81	19.10	1.346	62.9	1.006	0.10	0.353	0.478
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	41490	2680	1		17.83	19.10	1.34	62.9	1.006	0.12	0.314	0.423
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	40620	2593	1		17.85	19.10	1.334	62.9	1.006	0.08	0.417	0.560
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	40620	2593	1		17.89	19.10	1.321	62.9	1.006	0.18	0.507	0.674
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	39750	2506	1		17.75	19.10	1.365	62.9	1.006	0.14	0.470	0.645
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	40185	2549.5	1		17.85	19.10	1.334	62.9	1.006	-0.17	0.537	0.721
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	41055	2636.5	1		17.81	19.10	1.346	62.9	1.006	0.17	0.431	0.584
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	41490	2680	1		17.83	19.10	1.34	62.9	1.006	-0.05	0.388	0.523
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 4	DSI 3	40620	2593	1		17.85	19.10	1.334	62.9	1.006	0.01	0.395	0.530
	LTE Band 41_HPUE	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	40620	2593	1		19.51	20.70	1.315	42.9	1.009	-0.19	0.551	0.731
	LTE Band 41C	20M	QPSK	1	99	Front	5mm	Ant 4	DSI 3	40185+ 40383	2549.5+ 2569.3	1		17.68	19.1	1.387	62.9	1.006	0.02	0.523	0.730
	LTE Band 41	20M	QPSK	1	0	Front	15mm	Ant 8	DSI 4	40620	2593	1		23.75	24.00	1.059	62.9	1.006	0.01	0.268	0.286
	LTE Band 41	20M	QPSK	1	0	Back	12mm	Ant 8	DSI 4	40620	2593	1		23.75	24.00	1.059	62.9	1.006	0.09	0.262	0.279
	LTE Band 41_HPUE	20M	QPSK	1	0	Front	15mm	Ant 8	DSI 4	40620	2593	1		26.69	27	1.074	42.9	1.009	0.05	0.335	0.363
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	40620	2593	1		23.75	24.00	1.059	62.9	1.006	-0.10	0.678	0.722
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	39750	2506	1		23.54	24.00	1.112	62.9	1.006	0.18	0.544	0.609
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	40185	2549.5	1		23.65	24.00	1.084	62.9	1.006	-0.17	0.592	0.646
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	41055	2636.5	1		23.62	24.00	1.091	62.9	1.006	-0.04	0.691	0.758
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	41490	2680	1		23.60	24.00	1.096	62.9	1.006	0.03	0.732	0.807
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	40620	2593	1		23.72	24.00	1.067	62.9	1.006	-0.05	0.563	0.604
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	39750	2506	1		23.65	24.00	1.084	62.9	1.006	-0.18	0.441	0.481
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	40185	2549.5	1		23.68	24.00	1.076	62.9	1.006	-0.13	0.485	0.525
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	41055	2636.5	1		23.63	24.00	1.089	62.9	1.006	-0.01	0.558	0.611
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 8	DSI 3	41490	2680	1		23.62	24.00	1.091	62.9	1.006	-0.09	0.578	0.634
	LTE Band 41	20M	QPSK	100	0	Front	5mm	Ant 8	DSI 3	40620	2593	1		23.64	24.00	1.086	62.9	1.006	0.05	0.563	0.615
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	40620	2593	1		23.75	24.00	1.059	62.9	1.006	0.02	0.664	0.707
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	39750	2506	1		23.54	24.00	1.112	62.9	1.006	-0.13	0.477	0.534
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	40185	2549.5	1		23.65	24.00	1.084	62.9	1.006	0.17	0.577	0.629
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	41055	2636.5	1		23.62	24.00	1.091	62.9	1.006	0.06	0.684	0.751
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 8	DSI 3	41490	2680	1		23.60	24.00	1.096	62.9	1.006	-0.11	0.671	0.740
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	40620	2593	1		23.72	24.00	1.067	62.9	1.006	-0.04	0.571	0.613
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	39750	2506	1		23.65	24.00	1.084	62.9	1.006	-0.15	0.477	0.520
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	40185	2549.5	1		23.68	24.00	1.076	62.9	1.006	0.11	0.470	0.509
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	41055	2636.5	1		23.63	24.00	1.089	62.9	1.006	-0.02	0.559	0.612
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 8	DSI 3	41490	2680	1		23.62	24.00	1.091	62.9	1.006	0.10	0.528	0.580
65	LTE Band 41_HPUE	20M	QPSK	1	0	Front	5mm	Ant 8	DSI 3	40620	2593	1		26.26	27.00	1.186	42.9	1.009	0.13	0.873	1.045
	LTE Band 41C_HPUE	20M	QPSK	1	99	Front	5mm	Ant 8	DSI 3	40620+ 40818	2593+ 2612.8	1		26.11	27	1.227	42.9	1.009	0.03	0.803	0.994
	LTE Band 42	20M	QPSK	1	0	Front	15mm	Ant 4	DSI 4	42590	3500	1		22.85	24.00	1.303	62.9	1.006	0.03	0.406	0.532
	LTE Band 42	20M	QPSK	1	0	Back	12mm	Ant 4	DSI 4	42590	3500	1		22.85	24.00	1.303	62.9	1.006	0.05	0.497	0.651
66	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 4	DSI 3	42590	3500	1		20.28	21.30	1.265	62.9	1.006	-0.08	0.611	0.778
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 4	DSI 3	42590	3500	1		20.23	21.30	1.279	62.9	1.006	0.16	0.421	0.542
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 3	42590	3500	1		20.28	21.30	1.265	62.9	1.006	0.01	0.232	0.295
	LTE Band 42	20M																			



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	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 3	42590	3500	1		17.30	18.50	1.318	62.9	1.006	0.06	0.371	0.492
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	42590	3500	1		17.31	18.50	1.315	62.9	1.006	-0.19	0.248	0.328
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	42590	3500	1		17.30	18.50	1.318	62.9	1.006	-0.08	0.169	0.224
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 3	42590	3500	1	Cover	17.31	18.5	1.315	62.9	1.006	-0.05	0.555	0.734
	LTE Band 42C	20M	QPSK	1	99	Front	5mm	Ant 6	DSI 3	42590+ 42788	3500+ 3519.8	1		17.21	18.5	1.346	62.9	1.006	0.02	0.556	0.753
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 3	42590	3500	2		17.31	18.5	1.315	62.9	1.006	-0.03	0.578	0.765
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 7	DSI 3	42590	3500	1		21.91	22.00	1.021	62.9	1.006	0.01	0.054	0.055
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 7	DSI 3	42590	3500	1		20.85	21.00	1.035	62.9	1.006	-0.17	0.040	0.042
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 7	DSI 3	42590	3500	1		21.91	22.00	1.021	62.9	1.006	0.02	0.041	0.042
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 7	DSI 3	42590	3500	1		20.85	21.00	1.035	62.9	1.006	-0.07	0.036	0.037
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 7	DSI 3	42590	3500	1	Cover	21.91	22	1.021	62.9	1.006	-0.13	0.049	0.050
	LTE Band 42C	20M	QPSK	1	99	Front	5mm	Ant 7	DSI 3	42590+ 42788	3500+ 3519.8	1		21.81	22	1.045	62.9	1.006	0.03	0.048	0.050
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 7	DSI 3	42590	3500	2		21.91	22	1.021	62.9	1.006	0.14	0.051	0.052

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	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)
	FR1 n2	40M	BPSK	1	1	Front	15mm	Ant 4	DSI 4	376000	1880	1		23.79	24.00	1.05			0.03	0.243	0.255
	FR1 n2	40M	BPSK	1	1	Back	12mm	Ant 4	DSI 4	376000	1880	1		23.79	24.00	1.05			0.01	0.347	0.364
	FR1 n2	40M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	376000	1880	1		20.85	22.00	1.303			0.14	0.566	0.737
	FR1 n2	40M	BPSK	108	54	Front	5mm	Ant 4	DSI 3	376000	1880	1		20.81	22.00	1.315			-0.18	0.581	0.764
	FR1 n2	40M	BPSK	1	1	Back	5mm	Ant 4	DSI 3	376000	1880	1		20.85	22.00	1.303			-0.09	0.326	0.425
	FR1 n2	40M	BPSK	108	54	Back	5mm	Ant 4	DSI 3	376000	1880	1		20.81	22.00	1.315			0.07	0.330	0.434
	FR1 n2	40M	BPSK	1	1	Front	15mm	Ant 8	DSI 4	376000	1880	1		23.26	24.00	1.186			0.03	0.408	0.484
	FR1 n2	40M	BPSK	1	1	Back	12mm	Ant 8	DSI 4	376000	1880	1		23.26	24.00	1.186			0.01	0.451	0.535
	FR1 n2	40M	BPSK	1	1	Front	5mm	Ant 8	DSI 3	376000	1880	1		19.35	20.30	1.245			-0.16	0.781	0.972
	FR1 n2	40M	BPSK	108	54	Front	5mm	Ant 8	DSI 3	376000	1880	1		19.29	20.30	1.262			-0.18	0.841	1.061
	FR1 n2	40M	BPSK	216	0	Front	5mm	Ant 8	DSI 3	376000	1880	1		19.22	20.30	1.282			-0.07	0.672	0.862
	FR1 n2	40M	BPSK	1	1	Back	5mm	Ant 8	DSI 3	376000	1880	1		19.35	20.30	1.245			0.11	0.850	1.058
67	FR1 n2	40M	BPSK	108	54	Back	5mm	Ant 8	DSI 3	376000	1880	1		19.29	20.30	1.262			-0.08	0.887	1.119
	FR1 n2	40M	BPSK	216	0	Back	5mm	Ant 8	DSI 3	376000	1880	1		19.22	20.30	1.282			-0.10	0.869	1.114
	FR1 n7	50M	BPSK	1	1	Front	15mm	Ant 4	DSI 4	507000	2535	1		23.25	24.00	1.189			0.01	0.508	0.604
	FR1 n7	50M	BPSK	1	1	Back	12mm	Ant 4	DSI 4	507000	2535	1		23.25	24.00	1.189			0.09	0.635	0.755
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	507000	2535	1		16.28	17.10	1.208			-0.02	0.642	0.776
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 4	DSI 3	507000	2535	1		16.25	17.10	1.216			-0.10	0.605	0.736
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 4	DSI 3	507000	2535	1		16.28	17.10	1.208			-0.09	0.289	0.349
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 4	DSI 3	507000	2535	1		16.25	17.10	1.216			-0.06	0.342	0.416
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	507000	2535	1	Cover	16.28	17.1	1.208			-0.01	0.608	0.734
	FR1 n7_PA (Reference Designator)	50M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	507000	2535	1		16.28	17.1	1.208			0.01	0.479	0.579
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	507000	2535	2		16.28	17.1	1.208			0.11	0.624	0.754
	FR1 n7	50M	BPSK	1	1	Front	15mm	Ant 8	DSI 4	507000	2535	1		23.59	24.00	1.099			0.01	0.357	0.392
	FR1 n7	50M	BPSK	1	1	Back	12mm	Ant 8	DSI 4	507000	2535	1		23.59	24.00	1.099			0.08	0.353	0.388
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 8	DSI 3	507000	2535	1		21.11	22.30	1.315			-0.01	0.780	1.026
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 8	DSI 3	507000	2535	1		21.08	22.30	1.324			-0.11	0.708	0.937
	FR1 n7	50M	BPSK	270	0	Front	5mm	Ant 8	DSI 3	507000	2535	1		21.03	22.30	1.34			0.14	0.672	0.900
68	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 8	DSI 3	507000	2535	1		21.11	22.30	1.315			0.02	0.836	1.099
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 8	DSI 3	507000	2535	1		21.08	22.30	1.324			0.03	0.772	1.022
	FR1 n7	50M	BPSK	270	0	Back	5mm	Ant 8	DSI 3	507000	2535	1		21.03	22.30	1.34			0.10	0.744	0.997
	FR1 n7_PA (Reference Designator)	50M	BPSK	1	1	Back	5mm	Ant 8	DSI 3	507000	2535	1		21.11	22.3	1.315			0.09	0.797	1.048
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	166300	831.5	1		23.64	24.00	1.086			0.16	0.407	0.442
	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 0	DSI 3	166300	831.5	1		23.54	24.00	1.112			-0.06	0.406	0.451
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	166300	831.5	1		23.64	24.00	1.086			0.02	0.414	0.450
	FR1 n26	20M	BPSK	50	28	Back	5mm	Ant 0	DSI 3	166300	831.5	1		23.54	24.00	1.112			-0.02	0.417	0.464
	FR1 n26	20M	BPSK	1	1	Front	15mm	Ant 1	DSI 4	166300	831.5	1		23.01	24.00	1.256			0.06	0.432	0.543
	FR1 n26	20M	BPSK	1	1	Back	12mm	Ant 1	DSI 4	166300	831.5	1		23.01	24.00	1.256			0.02	0.407	0.511
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 1	DSI 3	166300	831.5	1		21.55	22.50	1.245			-0.16	0.749	0.933
69	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 1	DSI 3	166300	831.5	1		21.51	22.50	1.256			-0.03	0.787	0.988
	FR1 n26	20M	BPSK	100	0	Front	5mm	Ant 1	DSI 3	166300	831.5	1		21.42	22.50	1.282			0.05	0.738	0.946
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 1	DSI 3	166300	831.5	1		21.55	22.50	1.245			-0.03	0.467	0.581
	FR1 n26	20M	BPSK	50	28	Back	5mm	Ant 1	DSI 3	166300	831.5	1		21.51	22.50	1.256			0.17	0.487	0.612
	FR1 n66	45M	BPSK	1	1	Front	15mm	Ant 4	DSI 4	349000	1745	1		23.86	24.00	1.033			0.03	0.258	0.267
	FR1 n66	45M	BPSK	1	1	Back	12mm	Ant 4	DSI 4	349000	1745	1		23.86	24.00	1.033			0.01	0.342	0.353
	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	349000	1745	1		21.89	22.60	1.178			-0.08	0.650	0.766
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 4	DSI 3	349000	1745	1		21.85	22.60	1.189			0.16	0.569	0.677
	FR1 n66	45M	BPSK	1	1	Back	5mm	Ant 4	DSI 3	349000	1745	1		21.89	22.60	1.178			-0.06	0.357	0.421
	FR1 n66	45M	BPSK	120	60	Back	5mm	Ant 4	DSI 3	349000	1745	1		21.85	22.60	1.189			-0.13	0.322	0.383
	FR1 n66_PA	45M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	349000	1745	1		21.89	22.6	1.178			0.01	0.647	0.762



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	(Reference Designator)																				
	FR1 n66	45M	BPSK	1	1	Front	15mm	Ant 8	DSI 4	349000	1745	1		23.45	24.00	1.135			0.01	0.485	0.550
	FR1 n66	45M	BPSK	1	1	Back	12mm	Ant 8	DSI 4	349000	1745	1		23.45	24.00	1.135			0.06	0.528	0.599
70	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 8	DSI 3	349000	1745	1		20.98	21.80	1.208			-0.09	0.913	1.103
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 8	DSI 3	349000	1745	1		20.95	21.80	1.216			-0.01	0.778	0.946
	FR1 n66	45M	BPSK	240	0	Front	5mm	Ant 8	DSI 3	349000	1745	1		20.94	21.80	1.219			-0.11	0.763	0.930
	FR1 n66	45M	BPSK	1	1	Back	5mm	Ant 8	DSI 3	349000	1745	1		20.98	21.80	1.208			0.19	0.903	1.091
	FR1 n66	45M	BPSK	120	60	Back	5mm	Ant 8	DSI 3	349000	1745	1		20.95	21.80	1.216			-0.14	0.887	1.079
	FR1 n66	45M	BPSK	240	0	Back	5mm	Ant 8	DSI 3	349000	1745	1		20.94	21.80	1.219			-0.18	0.859	1.047
	FR1 n66_PA (Reference Designator)	45M	BPSK	1	1	Front	5mm	Ant 8	DSI 3	349000	1745	1		20.98	21.8	1.208			0.04	0.907	1.096
	FR1 n71	35M	BPSK	1	1	Front	5mm	Ant 0	DSI 3	136100	680.5	1		23.72	24.00	1.067			-0.06	0.202	0.216
	FR1 n71	35M	BPSK	90	45	Front	5mm	Ant 0	DSI 3	136100	680.5	1		23.71	24.00	1.069			0.02	0.239	0.255
	FR1 n71	35M	BPSK	1	1	Back	5mm	Ant 0	DSI 3	136100	680.5	1		23.72	24.00	1.067			0.16	0.192	0.205
	FR1 n71	35M	BPSK	90	45	Back	5mm	Ant 0	DSI 3	136100	680.5	1		23.71	24.00	1.069			0.01	0.241	0.258
	FR1 n71	35M	BPSK	1	1	Front	5mm	Ant 1	DSI 3	136100	680.5	1		23.23	24.00	1.194			-0.04	0.574	0.685
71	FR1 n71	35M	BPSK	90	45	Front	5mm	Ant 1	DSI 3	136100	680.5	1		23.21	24.00	1.199			0.01	0.616	0.739
	FR1 n71	35M	BPSK	1	1	Back	5mm	Ant 1	DSI 3	136100	680.5	1		23.23	24.00	1.194			0.13	0.362	0.432
	FR1 n71	35M	BPSK	90	45	Back	5mm	Ant 1	DSI 3	136100	680.5	1		23.21	24.00	1.199			0.12	0.407	0.488
	FR1 n41	100M	BPSK	1	1	Front	15mm	Ant 1	DSI 4	518598	2592.99	1		23.29	24.00	1.178			0.03	0.315	0.371
	FR1 n41	100M	BPSK	1	1	Back	12mm	Ant 1	DSI 4	518598	2592.99	1		23.29	24.00	1.178			0.01	0.264	0.311
	FR1 n41_HPUE	100M	BPSK	1	1	Front	15mm	Ant 1	DSI 4	518598	2592.99	1		26.21	27	1.199	50	1	0.09	0.316	0.379
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 1	DSI 3	518598	2592.99	1		18.41	19.30	1.227			0.07	0.587	0.720
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 1	DSI 3	518598	2592.99	1		18.30	19.30	1.259			-0.03	0.785	0.988
	FR1 n41	100M	BPSK	270	0	Front	5mm	Ant 1	DSI 3	518598	2592.99	1		18.26	19.30	1.271			0.08	0.725	0.921
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 1	DSI 3	518598	2592.99	1		18.41	19.30	1.227			0.19	0.357	0.438
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 1	DSI 3	518598	2592.99	1		18.30	19.30	1.259			-0.06	0.530	0.667
	FR1 n41_HPUE	100M	BPSK	1	1	Front	5mm	Ant 1	DSI 3	518598	2592.99	1		21.25	22.30	1.274	50.0	1.0	-0.05	0.776	0.989
	FR1 n41	100M	BPSK	1	1	Front	15mm	Ant 3	DSI 4	518598	2592.99	1		23.52	24.00	1.117			0.03	0.112	0.125
	FR1 n41	100M	BPSK	1	1	Back	12mm	Ant 3	DSI 4	518598	2592.99	1		23.52	24.00	1.117			0.04	0.152	0.170
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 3	518598	2592.99	1		20.08	20.90	1.208			-0.07	0.632	0.763
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 3	DSI 3	518598	2592.99	1		19.99	20.90	1.233			0.08	0.608	0.750
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 3	DSI 3	518598	2592.99	1		20.08	20.90	1.208			-0.03	0.293	0.354
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 3	DSI 3	518598	2592.99	1		19.99	20.90	1.233			-0.04	0.272	0.335
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 3	518598	2592.99	1	Cover	20.08	20.9	1.208			0.17	0.586	0.708
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 3	DSI 3	518598	2592.99	2		20.08	20.9	1.208			-0.05	0.625	0.755
	FR1 n41	100M	BPSK	1	1	Front	15mm	Ant 4	DSI 4	518598	2592.99	1		23.13	24.00	1.222			0.03	0.605	0.739
	FR1 n41	100M	BPSK	1	1	Back	12mm	Ant 4	DSI 4	518598	2592.99	1		23.13	24.00	1.222			0.01	0.654	0.799
	FR1 n41_HPUE	100M	BPSK	1	1	Back	12mm	Ant 4	DSI 4	518598	2592.99	1		26.15	27	1.216	50	1	0.09	0.649	0.789
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	518598	2592.99	1		16.16	17.00	1.213			0.02	0.637	0.773
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 4	DSI 3	518598	2592.99	1		16.14	17.00	1.219			0.18	0.591	0.720
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 3	518598	2592.99	1		16.16	17.00	1.213			0.07	0.282	0.342
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 4	DSI 3	518598	2592.99	1		16.14	17.00	1.219			-0.03	0.242	0.295
	FR1 n41_HPUE	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	518598	2592.99	1		19.19	20.00	1.205	50.0	1.0	-0.05	0.626	0.754
	FR1 n41_PA (Reference Designator)	100M	BPSK	1	1	Front	5mm	Ant 4	DSI 3	518598	2592.99	1		16.16	17	1.213			0.03	0.451	0.547
	FR1 n41	100M	BPSK	1	1	Front	15mm	Ant 8	DSI 4	518598	2592.99	1		23.73	24.00	1.064			0.03	0.310	0.330
	FR1 n41	100M	BPSK	1	1	Back	12mm	Ant 8	DSI 4	518598	2592.99	1		23.73	24.00	1.064			0.05	0.297	0.316
	FR1 n41_HPUE	100M	BPSK	1	1	Front	15mm	Ant 8	DSI 4	518598	2592.99	1		26.75	27	1.059	50	1	0.09	0.301	0.319
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 8	DSI 3	518598	2592.99	1		22.20	23.10	1.23			0.02	0.693	0.852
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 8	DSI 3	518598	2592.99	1		22.16	23.10	1.242			0.16	0.807	1.002
	FR1 n41	100M	BPSK	270	0	Front	5mm	Ant 8	DSI 3	518598	2592.99	1		22.08	23.10	1.265			0.06	0.763	0.965
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 3	518598	2592.99	1		22.20	23.10	1.23			-0.02	0.869	1.069
72	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 8	DSI 3	518598	2592.99	1		22.16	23.10	1.242			0.07	0.900	1.118
	FR1 n41	100M	BPSK	270	0	Back	5mm	Ant 8	DSI 3	518598	2592.99	1		22.08	23.10	1.265			-0.17	0.877	1.109
	FR1 n41_HPUE	100M	BPSK	1	1	Back	5mm	Ant 8	DSI 3	518598	2592.99	1		25.20	26.10	1.23	50.0	1.0	-0.01	0.887	1.091
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 8	DSI 3	518598	2592.99	1	Cover	22.16	23.1	1.242			-0.04	0.845	1.049
	FR1 n41_PA (Reference Designator)	100M	BPSK	135	69	Back	5mm	Ant 8	DSI 3	518598	2592.99	1		22.16	23.1	1.242			0.04	0.866	1.076
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 8	DSI 3	518598	2592.99	2		22.16	23.1	1.242			0.18	0.835	1.037
	FR1 n77	100M	BPSK	1	1	Front	15mm	Ant 4	DSI 4	656000	3840	1		22.75	24.00	1.334			0.03	0.359	0.479
	FR1 n77	100M	BPSK	1	1	Back	12mm	Ant 4	DSI 4	656000	3840	1		22.75	24.00						



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	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 5	DSI 3	656000	3840	1		16.08	17.10	1.265		0.09	0.617	0.781	
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 5	DSI 3	656000	3840	1		16.05	17.10	1.274		-0.15	0.485	0.618	
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 5	DSI 3	656000	3840	1		16.08	17.10	1.265		0.05	0.191	0.242	
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 5	DSI 3	656000	3840	1		16.05	17.10	1.274		0.04	0.164	0.209	
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 5	DSI 3	656000	3840	1	Cover	16.08	17.1	1.265		-0.02	0.547	0.692	
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 5	DSI 3	656000	3840	2		16.08	17.1	1.265		-0.17	0.583	0.737	
	FR1 n77	100M	BPSK	1	1	Front	15mm	Ant 6	DSI 4	656000	3840	1		23.35	24.00	1.161		0.03	0.503	0.584	
	FR1 n77	100M	BPSK	1	1	Back	12mm	Ant 6	DSI 4	656000	3840	1		23.35	24.00	1.161		0.05	0.559	0.649	
	FR1 n77_HPUE	100M	BPSK	1	1	Back	12mm	Ant 6	DSI 4	656000	3840	1		26.38	27	1.153	50	1	0.09	0.552	0.636
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	656000	3840	1		14.89	16.10	1.321		0.04	0.580	0.766	
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 6	DSI 3	656000	3840	1		14.86	16.10	1.33		0.15	0.511	0.680	
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 6	DSI 3	656000	3840	1		14.89	16.10	1.321		-0.10	0.338	0.446	
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 6	DSI 3	656000	3840	1		14.86	16.10	1.33		0.14	0.217	0.289	
	FR1 n77_HPUE	100M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	656000	3840	1		17.92	19.10	1.312	50.0	1.0	-0.02	0.555	0.728
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	656000	3840	1	Cover	14.89	16.1	1.321		0.1	0.526	0.695	
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	656000	3840	2		14.89	16.1	1.321		0.17	0.563	0.744	
	FR1 n77	100M	BPSK	1	1	Front	15mm	Ant 7	DSI 4	656000	3840	1		21.15	22.00	1.216		0.03	0.035	0.043	
	FR1 n77	100M	BPSK	1	1	Back	12mm	Ant 7	DSI 4	656000	3840	1		21.15	22.00	1.216		0.01	0.214	0.260	
	FR1 n77_HPUE	100M	BPSK	1	1	Back	12mm	Ant 7	DSI 4	656000	3840	1		23.69	25	1.352	50	1	0.03	0.189	0.256
	FR1 n77	100M	BPSK	1	1	Front	5mm	Ant 7	DSI 3	656000	3840	1		14.69	15.00	1.074		0.10	0.210	0.226	
	FR1 n77	100M	BPSK	135	69	Front	5mm	Ant 7	DSI 3	656000	3840	1		14.66	15.00	1.081		-0.10	0.114	0.123	
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 7	DSI 3	656000	3840	1		14.69	15.00	1.074		-0.05	0.688	0.739	
	FR1 n77	100M	BPSK	135	69	Back	5mm	Ant 7	DSI 3	656000	3840	1		14.66	15.00	1.081		-0.04	0.578	0.625	
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 7	DSI 3	656000	3840	1		17.17	18.00	1.211	50.0	1.0	0.01	0.641	0.776
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 7	DSI 3	656000	3840	1	Cover	17.17	18	1.211	50	1	0.04	0.607	0.735
73	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 7	DSI 3	656000	3840	2		17.17	18	1.211	50	1	-0.05	0.659	0.798

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Headset	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm		Ant 3+2(2)	Body-worn Standalone	1	2412	1		18.70	20.50	1.514	99.88	1.001	0.03	0.661	1.002
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm		Ant 3+2(2)	Body-worn Standalone	6	2437	1		19.10	21.00	1.549	99.88	1.001	0.01	0.679	1.053
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm		Ant 3+2(2)	Body-worn Standalone	11	2462	1		18.60	20.50	1.549	99.88	1.001	0.08	0.631	0.978
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm		Ant 3+2(2)	Body-worn Simultaneous	1	2412	1		14.33	16.00	1.469	99.88	1.001	0.06	0.215	0.316
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm		Ant 3+2(2)	Full Power	1	2412	1		18.70	20.50	1.514	99.88	1.001	0.17	0.289	0.438
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm		Ant 3+2(2)	Body-worn Standalone	1	2412	1		18.70	20.50	1.514	99.88	1.001	0.04	0.807	1.223
74	WLAN2.4GHz	802.11b 1Mbps	Back	5mm		Ant 3+2(2)	Body-worn Standalone	6	2437	1		19.10	21.00	1.549	99.88	1.001	-0.02	0.882	1.368
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm		Ant 3+2(2)	Body-worn Standalone	11	2462	1		18.60	20.50	1.549	99.88	1.001	0.06	0.783	1.214
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm		Ant 3+2(2)	Body-worn Simultaneous	1	2412	1		14.33	16.00	1.469	99.88	1.001	0.07	0.269	0.396
	WLAN2.4GHz	802.11g 6Mbps	Back	5mm		Ant 3+2(3)	Body-worn Standalone	6	2437	1		18.80	20.50	1.479	99.53	1.005	0.03	0.795	1.182
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Headset	Ant 3+2(2)	Body-worn Standalone	6	2437	1		19.10	21.00	1.549	99.88	1.001	0.09	0.836	1.296
	WLAN2.4GHz	802.11b 1Mbps	Back	12mm		Ant 3+2(2)	Full Power	1	2412	1		18.70	20.50	1.514	99.88	1.001	0.01	0.173	0.262
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm		Ant 3+2(2)	Body-worn Standalone	6	2437	1	Cover	19.1	21	1.549	99.88	1.001	-0.01	0.814	1.262
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm		Ant 3+2(2)	Body-worn Standalone	6	2437	2		19.1	21	1.549	99.88	1.001	0.01	0.837	1.298
	WLAN5GHz	802.11n-HT40 MCS0	Front	5mm		Ant 5+7(5)	Body-worn Standalone	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.01	0.290	0.421
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm		Ant 5+7(7)	Body-worn Simultaneous	50	5250	1		15.78	17.50	1.486	99.63	1.004	-0.03	0.184	0.275
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm		Ant 5+7(5)	Full Power	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.01	0.119	0.173
75	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm		Ant 5+7(5)	Body-worn Standalone	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.06	0.416	0.604
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm		Ant 5+7(7)	Body-worn Simultaneous	50	5250	1		15.78	17.50	1.486	99.63	1.004	0.09	0.263	0.392
	WLAN5GHz	802.11n-HT40 MCS0	Back	12mm		Ant 5+7(5)	Full Power	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.01	0.118	0.171
	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm		Ant 5+7(5)	Body-worn Standalone	54	5270	1	Cover	17.88	19.5	1.452	100	1	-0.13	0.352	0.511
	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm		Ant 5+7(5)	Body-worn Standalone	54	5270	2		17.88	19.5	1.452	100	1	0.1	0.371	0.539
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm		Ant 5+7(5)	Body-worn Standalone	138	5690	1		17.38	19.00	1.452	99.82	1.002	0.03	0.522	0.759
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm		Ant 5+7(7)	Body-worn Simultaneous	114	5570	1		12.03	13.50	1.403	99.63	1.004	0.09	0.179	0.252
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm		Ant 5+7(5)	Full Power	110	5550	1		18.46	20.00	1.426	100.0	1.0	0.01	0.058	0.083
76	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm		Ant 5+7(5)	Body-worn Standalone	138	5690	1		17.38	19.00	1.452	99.82	1.002	0.08	0.775	1.128
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm		Ant 5+7(5)	Body-worn Standalone	122	5610	1		17.42	19.00	1.439	99.82	1.002	0.01	0.710	1.024
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	5mm		Ant 5+7(7)	Body-worn Simultaneous	114	5570	1		12.03	13.50	1.403	99.63	1.004	0.03	0.266	0.375
	WLAN5GHz	802.11n-HT40 MCS0	Back	12mm		Ant 5+7(5)	Full Power	110	5550	1		18.46	20.00	1.426	100.0	1.0	0.01	0.046	0.066
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm		Ant 5+7(5)	Body-worn Standalone	138	5690	1	Cover	17.38	19	1.452	99.82	1.002	-0.06	0.723	1.052
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm		Ant 5+7(5)	Body-worn Standalone	138	5690	2		17.38	19	1.452	99.82	1.002	-0.17	0.701	1.020
77	WLAN5GHz	802.11n-HT40 MCS0	Front	5mm		Ant 5+7(5)	Body-worn Standalone	151	5755	1		17.83	19.50	1.469	100.0	1.0	0.03	0.729	1.071
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm		Ant 5+7(5)	Body-worn Simultaneous	155	5775	1		12.85	14.50	1.462	99.82	1.002	0.04	0.230	0.337
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm		Ant 5+7(5)	Full Power	151	5755	1		17.83	19.50	1.469	100.0	1.0	0.01	0.223	0.328
	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm		Ant 5+7(5)	Body-worn Standalone	151	5755	1		17.83	19.50	1.469	100.0	1.0	0.06	0.612	0.899
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	5mm		Ant 5+7(5)	Body-worn Simultaneous	155	5775	1		12.85	14.50	1.462	99.82	1.002	0.01	0.193	0.283
	WLAN5GHz	802.11n-HT40 MCS0	Front	5mm		Ant 5+7(7)	Body-worn Standalone	159	5795	1		17.55	19.00	1.396	100.0	1.0	0.18	0.557	0.778
	WLAN5GHz	802.11n-HT40 MCS0	Back	5mm		Ant 5+7(7)	Body-worn Standalone	159	5795	1		17.55	19.00	1.396	100.0	1.0	0.01	0.499	0.697
	WLAN5GHz	802.11n-HT40 MCS0	Back	12mm		Ant 5+7(5)	Full Power	151	5755	1		17.83	19.50	1.469	100.0	1.0	0.01	0.159	0.234
	WLAN5GHz	802.11n-HT40 MCS0	Front	5mm		Ant 5+7(5)	Body-worn Standalone	151	5755	1	Cover	17.83	19.5	1.469	100	1	0.16	0.685	1.006
	WLAN5GHz	802.11n-HT40 MCS0	Front	5mm		Ant 5+7(5)	Body-worn Standalone	151	5755	2		17.83	19.5	1.469	100	1	0.04	0.611	0.898

**【WLAN 6GHz SAR】**

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	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)	Measured APD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	5mm	Ant 5+7(7)	Body-worn Standalone	47	6185	1		15.21	16.50	1.346	99.63	1.004	0.07	0.091	0.123	0.603
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 5+7(7)	Body-worn Standalone	47	6185	1		15.21	16.50	1.346	99.63	1.004	0.02	0.094	0.127	0.607
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 5+7(7)	Body-worn Standalone	15	6025	1		14.30	16.00	1.479	99.63	1.004	0.09	0.074	0.110	0.520
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 5+7(7)	Body-worn Standalone	111	6505	1		14.65	16.00	1.365	99.63	1.004	0.08	0.158	0.217	1.180
78	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 5+7(7)	Body-worn Standalone	143	6665	1		14.72	16.00	1.343	99.63	1.004	-0.08	0.203	0.274	1.340
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 5+7(7)	Body-worn Standalone	207	6985	1		12.29	13.50	1.321	99.63	1.004	-0.10	0.104	0.138	0.751
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 5+7(7)	Body-worn Standalone	143	6665	1	Cover	14.72	16	1.343	99.63	1.004	0.05	0.161	0.217	1.200
	WLAN6GHz	802.11ax-HE160 MCS0	Back	5mm	Ant 5+7(7)	Body-worn Standalone	143	6665	2		14.72	16	1.343	99.63	1.004	-0.01	0.188	0.253	1.260

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)
79	Bluetooth	1Mbps	Front	5mm	Ant 2	Body-worn Standalone	39	2441	1	14.70	16.00	1.349	77.07	1.081	0.02	0.198	0.289
	Bluetooth	1Mbps	Front	15mm	Ant 2	Full Power	0	2402	1	18.40	19.50	1.288	77.07	1.081	0.01	0.115	0.160
	Bluetooth	1Mbps	Back	5mm	Ant 2	Body-worn Standalone	39	2441	1	14.70	16.00	1.349	77.07	1.081	0.08	0.196	0.286
	Bluetooth	1Mbps	Back	12mm	Ant 2	Full Power	0	2402	1	18.40	19.50	1.288	77.07	1.081	0.06	0.082	0.114



16.4 Product specific 10g SAR

[GSM SAR]

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
80	GSM1900	GPRS 3 Tx slots	Bottom Side	0mm	Ant 8	DSI 6	661	1880	1	25.32	26.50	1.312	0.09	1.060	1.391

[WCDMA SAR]

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WCDMA II	RMC 12.2Kbps	Front	8mm	Ant 4	DSI 4	9400	1880	1		23.11	24.00	1.227	0.02	0.399	0.490
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 4	DSI 4	9400	1880	1		23.11	24.00	1.227	0.01	0.844	1.036
	WCDMA II	RMC 12.2Kbps	Top Side	6mm	Ant 4	DSI 4	9400	1880	1		23.11	24.00	1.227	-0.03	1.050	1.288
	WCDMA II	RMC 12.2Kbps	Front	0mm	Ant 4	DSI 6	9400	1880	1		20.25	21.20	1.245	-0.02	1.330	1.656
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 4	DSI 6	9400	1880	1		20.25	21.20	1.245	0.10	0.882	1.098
	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 4	DSI 6	9400	1880	1		20.25	21.20	1.245	-0.09	1.640	2.042
	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 4	DSI 6	9262	1852.4	1		20.21	21.20	1.256	0.01	1.710	2.148
	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 4	DSI 6	9538	1907.6	1		20.18	21.20	1.265	-0.16	1.490	1.885
	WCDMA II	RMC 12.2Kbps	Front	6mm	Ant 8	DSI 4	9400	1880	1		23.61	24.00	1.094	0.03	0.778	0.851
	WCDMA II	RMC 12.2Kbps	Back	6mm	Ant 8	DSI 4	9400	1880	1		23.61	24.00	1.094	-0.05	0.813	0.889
	WCDMA II	RMC 12.2Kbps	Bottom Side	6mm	Ant 8	DSI 4	9400	1880	1		23.61	24.00	1.094	0.01	1.220	1.335
	WCDMA II	RMC 12.2Kbps	Front	0mm	Ant 8	DSI 6	9400	1880	1		21.30	22.30	1.259	0.03	1.940	2.442
	WCDMA II	RMC 12.2Kbps	Front	0mm	Ant 8	DSI 6	9262	1852.4	1		21.26	22.30	1.271	0.18	2.040	2.593
	WCDMA II	RMC 12.2Kbps	Front	0mm	Ant 8	DSI 6	9538	1907.6	1		21.24	22.30	1.276	0.16	1.840	2.348
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 6	9400	1880	1		21.30	22.30	1.259	-0.10	1.880	2.367
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 6	9262	1852.4	1		21.26	22.30	1.271	0.07	1.920	2.440
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 6	9538	1907.6	1		21.24	22.30	1.276	0.18	1.800	2.297
	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Ant 8	DSI 6	9400	1880	1		21.30	22.30	1.259	-0.10	2.060	2.594
81	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Ant 8	DSI 6	9262	1852.4	1		21.26	22.30	1.271	-0.03	2.150	2.733
	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Ant 8	DSI 6	9538	1907.6	1		21.24	22.30	1.276	0.01	2.080	2.654
	WCDMA IV	RMC 12.2Kbps	Front	8mm	Ant 4	DSI 4	1413	1732.6	1		23.12	24.00	1.225	0.01	0.393	0.481
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 4	DSI 4	1413	1732.6	1		23.12	24.00	1.225	0.09	0.756	0.926
	WCDMA IV	RMC 12.2Kbps	Top Side	6mm	Ant 4	DSI 4	1413	1732.6	1		23.12	24.00	1.225	0.02	0.964	1.181
	WCDMA IV	RMC 12.2Kbps	Front	0mm	Ant 4	DSI 6	1413	1732.6	1		20.25	21.20	1.245	0.17	1.170	1.457
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 4	DSI 6	1413	1732.6	1		20.25	21.20	1.245	0.10	0.897	1.117
	WCDMA IV	RMC 12.2Kbps	Top Side	0mm	Ant 4	DSI 6	1413	1732.6	1		20.25	21.20	1.245	-0.01	1.670	2.079
	WCDMA IV	RMC 12.2Kbps	Top Side	0mm	Ant 4	DSI 6	1312	1712.4	1		20.22	21.20	1.253	0.01	1.700	2.130
	WCDMA IV	RMC 12.2Kbps	Top Side	0mm	Ant 4	DSI 6	1513	1752.6	1		20.19	21.20	1.262	-0.08	1.610	2.032
	WCDMA IV	RMC 12.2Kbps	Front	6mm	Ant 8	DSI 4	1413	1732.6	1		23.66	24.00	1.081	0.03	0.798	0.863
	WCDMA IV	RMC 12.2Kbps	Back	6mm	Ant 8	DSI 4	1413	1732.6	1		23.66	24.00	1.081	0.06	0.851	0.920
	WCDMA IV	RMC 12.2Kbps	Bottom Side	6mm	Ant 8	DSI 4	1413	1732.6	1		23.66	24.00	1.081	0.01	1.090	1.178
	WCDMA IV	RMC 12.2Kbps	Front	0mm	Ant 8	DSI 6	1413	1732.6	1		22.30	23.20	1.23	-0.15	1.980	2.435
	WCDMA IV	RMC 12.2Kbps	Front	0mm	Ant 8	DSI 6	1312	1712.4	1		22.28	23.20	1.236	0.19	2.170	2.682
	WCDMA IV	RMC 12.2Kbps	Front	0mm	Ant 8	DSI 6	1513	1752.6	1		22.25	23.20	1.245	-0.07	1.870	2.328
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 6	1413	1732.6	1		22.30	23.20	1.23	-0.18	2.100	2.583
82	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 6	1312	1712.4	1		22.28	23.20	1.236	-0.07	2.260	2.793
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 6	1513	1752.6	1		22.25	23.20	1.245	0.03	2.050	2.552
	WCDMA IV	RMC 12.2Kbps	Bottom Side	0mm	Ant 8	DSI 6	1413	1732.6	1		22.30	23.20	1.23	-0.15	2.070	2.546
	WCDMA IV	RMC 12.2Kbps	Bottom Side	0mm	Ant 8	DSI 6	1312	1712.4	1		22.28	23.20	1.236	-0.15	2.120	2.620
	WCDMA IV	RMC 12.2Kbps	Bottom Side	0mm	Ant 8	DSI 6	1513	1752.6	1		22.25	23.20	1.245	0.11	2.080	2.590
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 6	1312	1712.4	1	Cover	22.28	23.2	1.236	-0.02	2.01	2.484
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 8	DSI 6	1312	1712.4	2		22.28	23.2	1.236	0.08	2.15	2.657
83	WCDMA V	RMC 12.2Kbps	Front	0mm	Ant 1	DSI 6	4182	836.4	1		22.85	23.80	1.245	-0.04	2.220	2.764
	WCDMA V	RMC 12.2Kbps	Front	0mm	Ant 1	DSI 6	4132	826.4	1		22.78	23.80	1.265	0.05	2.150	2.720
	WCDMA V	RMC 12.2Kbps	Front	0mm	Ant 1	DSI 6	4233	846.6	1		22.81	23.80	1.256	0.06	2.200	2.763
	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	4182	836.4	1		22.85	23.80	1.245	-0.09	2.060	2.565
	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	4132	826.4	1		22.78	23.80	1.265	-0.08	1.950	2.467
	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	4233	846.6	1		22.81	23.80	1.256	0.13	2.100	2.638
	WCDMA V	RMC 12.2Kbps	Left Side	0mm	Ant 1	DSI 6	4182	836.4	1		22.85	23.80	1.245	0.12	1.920	2.390
	WCDMA V	RMC 12.2Kbps	Left Side	0mm	Ant 1	DSI 6	4132	826.4	1		22.78	23.80	1.265	0.03	1.880	2.378
	WCDMA V	RMC 12.2Kbps	Left Side	0mm	Ant 1	DSI 6	4233	846.6	1		22.81	23.80	1.256	0.06	1.830	2.298
	WCDMA V	RMC 12.2Kbps	Front	0mm	Ant 1	DSI 6	4182	836.4	1	Cover	22.85	23.8	1.245	-0.09	1.98	2.465
	WCDMA V	RMC 12.2Kbps	Front	0mm	Ant 1	DSI 6	4182	836.4	2		22.85	23.8	1.245	0.01	2.08	2.59
	WCDMA V	RMC 12.2Kbps	Front	7mm	Ant 1	DSI 4	4182	836.4	1		23.83	24	1.04	0.08	0.466	0.485
	WCDMA V	RMC 12.2Kbps	Back	4mm	Ant 1	DSI 4	4182	836.4	1		23.83	24	1.04	0.01	0.367	0.382
	WCDMA V	RMC 12.2Kbps	Left Side	11mm	Ant 1	DSI 4	4182	836.4	1		23.83	24	1.04	0.03	0.498	0.518



【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	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)
	LTE Band 2	20M	QPSK	1	0	Front	8mm	Ant 4	DSI 4	18900	1880	1		23.18	24.00	1.208			0.02	0.348	0.420
	LTE Band 2	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 4	18900	1880	1		23.18	24.00	1.208			0.05	0.789	0.953
	LTE Band 2	20M	QPSK	1	0	Left Side	11mm	Ant 4	DSI 4	18900	1880	1		23.18	24.00	1.208			-0.03	0.138	0.167
	LTE Band 2	20M	QPSK	1	0	Top Side	6mm	Ant 4	DSI 4	18900	1880	1		23.18	24.00	1.208			0.01	0.771	0.931
	LTE Band 2	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	18900	1880	1		21.01	22.00	1.256			0.08	1.380	1.733
	LTE Band 2	20M	QPSK	50	0	Front	0mm	Ant 4	DSI 6	18900	1880	1		20.95	22.00	1.274			-0.08	1.120	1.427
	LTE Band 2	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	18900	1880	1		21.01	22.00	1.256			0.10	0.417	0.524
	LTE Band 2	20M	QPSK	50	0	Back	0mm	Ant 4	DSI 6	18900	1880	1		20.95	22.00	1.274			0.12	0.338	0.431
	LTE Band 2	20M	QPSK	1	0	Left Side	0mm	Ant 4	DSI 6	18900	1880	1		21.01	22.00	1.256			0.08	0.828	1.040
	LTE Band 2	20M	QPSK	50	0	Left Side	0mm	Ant 4	DSI 6	18900	1880	1		20.95	22.00	1.274			0.14	0.656	0.836
	LTE Band 2	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	18900	1880	1		21.01	22.00	1.256			0.11	1.710	2.148
	LTE Band 2	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	18700	1860	1		20.98	22.00	1.265			-0.07	1.720	2.176
	LTE Band 2	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	19100	1900	1		20.95	22.00	1.274			-0.05	1.660	2.115
	LTE Band 2	20M	QPSK	50	0	Top Side	0mm	Ant 4	DSI 6	18900	1880	1		20.95	22.00	1.274			0.18	1.350	1.720
	LTE Band 2	20M	QPSK	100	0	Top Side	0mm	Ant 4	DSI 6	18900	1880	1		20.88	22.00	1.294			0.02	1.280	1.656
	LTE Band 2	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	18700	1860	1	Cover	20.98	22	1.265			0.14	1.58	1.999
	LTE Band 2C	20M	QPSK	1	99	Top Side	0mm	Ant 4	DSI 6	18700+18698	1860+1879.8	1		20.87	22	1.297			0.01	1.61	2.088
	LTE Band 2	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	18700	1860	2		20.98	22	1.265			0.03	1.55	1.961
	LTE Band 2	20M	QPSK	1	0	Front	6mm	Ant 8	DSI 4	18900	1880	1		23.11	24.00	1.227			0.03	0.689	0.845
	LTE Band 2	20M	QPSK	1	0	Back	6mm	Ant 8	DSI 4	18900	1880	1		23.11	24.00	1.227			0.05	0.729	0.894
	LTE Band 2	20M	QPSK	1	0	Bottom Side	6mm	Ant 8	DSI 4	18900	1880	1		23.11	24.00	1.227			0.09	1.060	1.301
	LTE Band 2	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	18900	1880	1		21.77	22.60	1.211			-0.08	2.010	2.434
	LTE Band 2	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	18700	1860	1		21.71	22.60	1.227			-0.17	2.080	2.552
	LTE Band 2	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	19100	1900	1		21.62	22.60	1.253			-0.08	1.970	2.468
	LTE Band 2	20M	QPSK	50	0	Front	0mm	Ant 8	DSI 6	18900	1880	1		21.65	22.60	1.245			-0.04	1.570	1.955
	LTE Band 2	20M	QPSK	100	0	Front	0mm	Ant 8	DSI 6	18900	1880	1		21.58	22.60	1.265			0.18	1.540	1.948
	LTE Band 2	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	18900	1880	1		21.77	22.60	1.211			-0.04	2.030	2.458
	LTE Band 2	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	18700	1860	1		21.71	22.60	1.227			-0.08	2.070	2.540
	LTE Band 2	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	19100	1900	1		21.62	22.60	1.253			-0.13	1.980	2.481
	LTE Band 2	20M	QPSK	50	0	Back	0mm	Ant 8	DSI 6	18900	1880	1		21.65	22.60	1.245			-0.13	1.550	1.930
	LTE Band 2	20M	QPSK	100	0	Back	0mm	Ant 8	DSI 6	18900	1880	1		21.58	22.60	1.265			-0.03	1.640	2.075
84	LTE Band 2	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	18900	1880	1		21.77	22.60	1.211			-0.01	2.270	2.749
	LTE Band 2	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	18700	1860	1		21.71	22.60	1.227			0.08	2.220	2.724
	LTE Band 2	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	19100	1900	1		21.62	22.60	1.253			-0.07	2.050	2.569
	LTE Band 2	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	18900	1880	1		21.65	22.60	1.245			0.05	1.710	2.129
	LTE Band 2	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	18700	1860	1		21.63	22.60	1.25			-0.11	1.710	2.138
	LTE Band 2	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	19100	1900	1		21.61	22.60	1.256			-0.12	1.680	2.110
	LTE Band 2	20M	QPSK	100	0	Bottom Side	0mm	Ant 8	DSI 6	18900	1880	1		21.58	22.60	1.265			0.03	1.800	2.277
	LTE Band 2	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	18900	1880	1	Cover	21.77	22.6	1.211			0.1	2.03	2.458
	LTE Band 2C	20M	QPSK	1	99	Bottom Side	0mm	Ant 8	DSI 6	18900+18908	1880+1899.8	1		21.62	22.6	1.253			0.06	2.11	2.644
	LTE Band 2	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	18900	1880	2		21.77	22.6	1.211			-0.08	2.19	2.652
	LTE Band 7	20M	QPSK	1	0	Front	8mm	Ant 4	DSI 4	21100	2535	1		23.45	24.00	1.135			0.03	0.424	0.481
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 4	21100	2535	1		23.45	24.00	1.135			0.02	1.120	1.271
	LTE Band 7	20M	QPSK	1	0	Left Side	11mm	Ant 4	DSI 4	21100	2535	1		23.45	24.00	1.135			0.06	0.432	0.490
	LTE Band 7	20M	QPSK	1	0	Top Side	6mm	Ant 4	DSI 4	21100	2535	1		23.45	24.00	1.135			-0.07	0.677	0.768
	LTE Band 7	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	21100	2535	1		18.56	19.40	1.213			0.09	1.790	2.171
	LTE Band 7	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	20850	2510	1		18.51	19.40	1.227			-0.15	1.720	2.110
	LTE Band 7	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	21350	2560	1		18.53	19.40	1.222			-0.04	1.660	2.029
	LTE Band 7	20M	QPSK	50	0	Front	0mm	Ant 4	DSI 6	21100	2535	1		18.53	19.40	1.222			-0.15	1.450	1.772
	LTE Band 7	20M	QPSK	100	0	Front	0mm	Ant 4	DSI 6	21100	2535	1		18.44	19.40	1.247			0.11	1.430	1.783
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	21100	2535	1		18.56	19.40	1.213			-0.02	1.650	2.001
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	20850	2510	1		18.51	19.40	1.227			0.10	1.580	1.939
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	21350	2560	1		18.53	19.40	1.222			0.04	1.630	1.992
	LTE Band 7	20M	QPSK	50	0	Back	0mm	Ant 4	DSI 6	21100	2535	1		18.53	19.40	1.222			-0.18	1.400	1.711
	LTE Band 7	20M	QPSK	100	0	Back	0mm	Ant 4	DSI 6	21100	2535	1		18.44	19.40	1.247			-0.11	1.410	1.758
	LTE Band 7	20M	QPSK	1	0	Left Side	0mm	Ant 4	DSI 6	21100	2535	1		18.56	19.40	1.213			-0.16	1.010	1.225
	LTE Band 7	20M	QPSK	50	0	Left Side	0mm	Ant 4	DSI 6	21100	2535	1		18.53	19.40	1.222			0.01	0.839	1.025
	LTE Band 7	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	21100	2535	1		18.56	19.40	1.213			0.06	1.610	1.953
	LTE Band 7	20M	QPSK	50	0	Top Side	0mm	Ant 4	DSI 6	21100	2535	1		18.53	19.40	1.222			0.08	1.280	1.564
	LTE Band 7_PA (Reference Designator)	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	21100	2535	1		18.56	19.4	1.213			0.02	1.11	1.346
	LTE Band 7C	20M	QPSK	1	99	Front	0mm	Ant 4	DSI 6	21100+21298	2535+2554.8	1		18.41	19.4	1.256			0.03	1.65	2.072
	LTE Band 7	20M	QPSK	1	0	Front	6mm	Ant 8	DSI 4	21100	2535	1		23.58	24.00	1.102			0.01	0.521	0.574
	LTE Band 7	20M	QPSK	1	0	Back	6mm	Ant 8	DSI 4	21100	2535	1		23.58	24.00	1.102			-0.08	0.452	0.498
	LTE Band 7	20M	QPSK	1	0	Bottom Side	6mm	Ant 8	DSI 4	21100	2535	1		23.58	24.00	1.102			0.03	0.723	0.797
	LTE Band 7	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	21100	2535	1		21.85	22.90	1.274			-0.16	1.800	2.293
	LTE Band 7	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	20850	2510	1		21.81	22.90	1.285			-0.02	1.800	2.313



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	LTE Band 7	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	21350	2560	1		21.83	22.90	1.279			0.15	1.780	2.277
	LTE Band 7	20M	QPSK	50	0	Front	0mm	Ant 8	DSI 6	21100	2535	1		21.76	22.90	1.3			-0.09	1.470	1.911
	LTE Band 7	20M	QPSK	100	0	Front	0mm	Ant 8	DSI 6	20850	2510	1		21.73	22.90	1.309			-0.08	1.430	1.872
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	21100	2535	1		21.85	22.90	1.274			0.16	1.780	2.268
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	20850	2510	1		21.81	22.90	1.285			0.05	1.780	2.287
	LTE Band 7	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	21350	2560	1		21.83	22.90	1.279			0.05	1.800	2.302
	LTE Band 7	20M	QPSK	50	0	Back	0mm	Ant 8	DSI 6	21100	2535	1		21.76	22.90	1.3			-0.03	1.470	1.911
	LTE Band 7	20M	QPSK	100	0	Back	0mm	Ant 8	DSI 6	20850	2510	1		21.73	22.90	1.309			0.07	1.370	1.793
	LTE Band 7	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	21100	2535	1		21.85	22.90	1.274			0.16	2.050	2.612
85	LTE Band 7	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	20850	2510	1		21.81	22.90	1.285			-0.01	2.160	2.776
	LTE Band 7	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	21350	2560	1		21.83	22.90	1.279			0.13	1.980	2.532
	LTE Band 7	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	21100	2535	1		21.76	22.90	1.3			-0.18	1.620	2.106
	LTE Band 7	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	20850	2510	1		21.72	22.90	1.312			0.02	1.710	2.244
	LTE Band 7	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	21350	2560	1		21.74	22.90	1.306			0.16	1.560	2.037
	LTE Band 7	20M	QPSK	100	0	Bottom Side	0mm	Ant 8	DSI 6	20850	2510	1		21.73	22.90	1.309			-0.03	1.660	2.173
	LTE Band 7 PA (Reference Designator)	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	20850	2510	1		21.81	22.9	1.285			0.03	1.28	1.645
	LTE Band 7C	20M	QPSK	1	99	Bottom Side	0mm	Ant 8	DSI 6	20850+ 21048	2510+ 2529.8	1		21.79	22.9	1.291			0.01	2.01	2.595
	LTE Band 12	10M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	23095	707.5	1		23.56	24.00	1.107			-0.13	1.420	1.572
	LTE Band 12	10M	QPSK	25	0	Front	0mm	Ant 1	DSI 6	23095	707.5	1		23.54	24.00	1.112			0.08	1.180	1.312
86	LTE Band 12	10M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	23095	707.5	1		23.56	24.00	1.107			-0.01	2.000	2.214
	LTE Band 12	10M	QPSK	25	0	Left Side	0mm	Ant 1	DSI 6	23095	707.5	1		23.54	24.00	1.112			0.16	1.620	1.801
	LTE Band 12	10M	QPSK	50	0	Left Side	0mm	Ant 1	DSI 6	23095	707.5	1		23.46	24.00	1.132			0.03	1.550	1.755
87	LTE Band 13	10M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	23230	782	1		23.58	24.00	1.102			-0.09	2.080	2.292
	LTE Band 13	10M	QPSK	25	0	Front	0mm	Ant 1	DSI 6	23230	782	1		23.53	24.00	1.114			-0.06	1.680	1.872
	LTE Band 13	10M	QPSK	50	0	Front	0mm	Ant 1	DSI 6	23230	782	1		23.48	24.00	1.127			-0.14	1.670	1.882
	LTE Band 13	10M	QPSK	1	0	Back	0mm	Ant 1	DSI 6	23230	782	1		23.58	24.00	1.102			-0.19	1.710	1.884
	LTE Band 13	10M	QPSK	25	0	Back	0mm	Ant 1	DSI 6	23230	782	1		23.53	24.00	1.114			0.01	1.230	1.370
	LTE Band 13	10M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	23230	782	1		23.58	24.00	1.102			0.06	1.920	2.116
	LTE Band 13	10M	QPSK	25	0	Left Side	0mm	Ant 1	DSI 6	23230	782	1		23.53	24.00	1.114			0.02	1.470	1.638
	LTE Band 13	10M	QPSK	50	0	Left Side	0mm	Ant 1	DSI 6	23230	782	1		23.48	24.00	1.127			0.06	1.430	1.612
	LTE Band 13	10M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	23230	782	1	Cover	23.58	24	1.102			-0.09	1.85	2.039
	LTE Band 13	10M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	23230	782	2		23.58	24	1.102			-0.08	1.93	2.127
88	LTE Band 26	15M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	26865	831.5	1		23.10	24.00	1.23			-0.05	2.140	2.632
	LTE Band 26	15M	QPSK	36	0	Front	0mm	Ant 1	DSI 6	26865	831.5	1		22.98	24.00	1.265			0.12	1.670	2.113
	LTE Band 26	15M	QPSK	75	0	Front	0mm	Ant 1	DSI 6	26865	831.5	1		22.97	24.00	1.268			-0.16	1.660	2.105
	LTE Band 26	15M	QPSK	1	0	Back	0mm	Ant 1	DSI 6	26865	831.5	1		23.10	24.00	1.23			-0.12	1.960	2.411
	LTE Band 26	15M	QPSK	36	0	Back	0mm	Ant 1	DSI 6	26865	831.5	1		22.98	24.00	1.265			0.07	1.490	1.885
	LTE Band 26	15M	QPSK	75	0	Back	0mm	Ant 1	DSI 6	26865	831.5	1		22.97	24.00	1.268			-0.02	1.450	1.839
	LTE Band 26	15M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	26865	831.5	1		23.10	24.00	1.23			-0.05	1.680	2.066
	LTE Band 26	15M	QPSK	36	0	Left Side	0mm	Ant 1	DSI 6	26865	831.5	1		22.98	24.00	1.265			0.03	1.300	1.644
	LTE Band 26	15M	QPSK	75	0	Left Side	0mm	Ant 1	DSI 6	26865	831.5	1		22.97	24.00	1.268			0.04	1.260	1.598
	LTE Band 66	20M	QPSK	1	0	Front	8mm	Ant 4	DSI 4	132322	1745	1		23.15	24.00	1.216			0.06	0.363	0.441
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 4	132322	1745	1		23.15	24.00	1.216			0.01	0.679	0.826
	LTE Band 66	20M	QPSK	1	0	Top Side	6mm	Ant 4	DSI 4	132322	1745	1		23.15	24.00	1.216			-0.05	0.826	1.004
	LTE Band 66	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	132322	1745	1		19.95	20.90	1.245			-0.07	1.190	1.482
	LTE Band 66	20M	QPSK	50	0	Front	0mm	Ant 4	DSI 6	132322	1745	1		19.90	20.90	1.259			-0.12	0.950	1.196
	LTE Band 66	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	132322	1745	1		19.95	20.90	1.245			-0.02	0.891	1.109
	LTE Band 66	20M	QPSK	50	0	Back	0mm	Ant 4	DSI 6	132322	1745	1		19.90	20.90	1.259			0.11	0.724	0.912
	LTE Band 66	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	132322	1745	1		19.95	20.90	1.245			-0.05	1.660	2.067
	LTE Band 66	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	132072	1720	1		19.93	20.90	1.25			0.03	1.710	2.138
	LTE Band 66	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	132572	1770	1		19.89	20.90	1.262			-0.08	1.500	1.893
	LTE Band 66	20M	QPSK	50	0	Top Side	0mm	Ant 4	DSI 6	132322	1745	1		19.90	20.90	1.259			0.16	1.260	1.586
	LTE Band 66	20M	QPSK	100	0	Top Side	0mm	Ant 4	DSI 6	132322	1745	1		19.83	20.90	1.279			0.03	1.220	1.560
	LTE Band 66 PA (Reference Designator)	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	132072	1720	1		19.93	20.9	1.25			0.06	1.04	1.3
	LTE Band 66C	20M	QPSK	1	99	Top Side	0mm	Ant 4	DSI 6	132072+ 132270	1720+ 1739.8	1		19.75	20.9	1.303			0.02	1.6	2.085
	LTE Band 66	20M	QPSK	1	0	Front	6mm	Ant 8	DSI 4	132322	1745	1		23.31	24.00	1.172			0.02	0.698	0.818
	LTE Band 66	20M	QPSK	1	0	Back	6mm	Ant 8	DSI 4	132322	1745	1		23.31	24.00	1.172			0.06	0.693	0.812
	LTE Band 66	20M	QPSK	1	0	Bottom Side	6mm	Ant 8	DSI 4	132322	1745	1		23.31	24.00	1.172			0.01	0.970	1.137
	LTE Band 66	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	132322	1745	1		23.31	24.00	1.172			0.07	1.870	2.192
	LTE Band 66	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	132072	1720	1		23.28	24.00	1.18			0.17	2.010	2.372
	LTE Band 66	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	132572	1770	1		23.25	24.00	1.189			0.01	1.750	2.081
	LTE Band 66	20M	QPSK	50	0	Front	0mm	Ant 8	DSI 6	132322	1745	1		23.25	24.00	1.189			-0.01	1.470	1.748
	LTE Band 66	20M	QPSK	100	0	Front	0mm	Ant 8	DSI 6	132322	1745	1		23.15	24.00	1.216			-0.09	1.460	1.775
	LTE Band 66	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	132322	1745	1		23.31	24.00	1.172			-0.17	2.010	2.356
	LTE Band 66	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	132072	1720	1		23.28	24.00	1.18			-0.10	2.120	2.502
	LTE Band 66	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	132572	1770	1		23.25	24.00	1.189			0.18	1.920	2.283
	LTE Band 66	20M	QPSK	50	0	Back	0mm	Ant 8	DSI 6	132322	1745	1		23.25	24.00	1.189			-0.17	1.610	1.914
	LTE Band 66	20M	QPSK	100	0	Back	0mm	Ant 8	DSI 6	132322	1745	1		23.15	24.00	1.216			0.06	1.640	1.994
89	LTE Band 66	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	132322	1745	1		23.31	24.00	1.172			0.01	2.180	2.555
	LTE Band 66	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	132072	1720	1		23.28	24.00	1.18			0.03	2.070	2.443
	LTE Band 66	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	1325											



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	LTE Band 66	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	132322	1745	1		23.25	24.00	1.189			-0.09	1.620	1.926
	LTE Band 66	20M	QPSK	100	0	Bottom Side	0mm	Ant 8	DSI 6	132322	1745	1		23.15	24.00	1.216			-0.13	1.690	2.055
	LTE Band 66_PA (Reference Designator)	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	132322	1745	1		23.31	24	1.172			0.06	1.29	1.512
	LTE Band 66C	20M	QPSK	1	99	Bottom Side	0mm	Ant 8	DSI 6	132322+ 132520	1745+ 1764.8	1		23.21	24	1.199			0.02	1.98	2.374
90	LTE Band 71	20M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	133297	680.5	1		23.65	24.00	1.084			0.08	1.430	1.550
	LTE Band 71	20M	QPSK	50	0	Left Side	0mm	Ant 1	DSI 6	133297	680.5	1		23.62	24.00	1.091			0.01	1.150	1.255
	LTE Band 41	20M	QPSK	1	0	Front	7mm	Ant 1	DSI 4	40620	2593	1		23.51	24.00	1.119	62.9	1.006	0.03	0.165	0.186
	LTE Band 41	20M	QPSK	1	0	Back	4mm	Ant 1	DSI 4	40620	2593	1		23.51	24	1.119	62.9	1.006	0.06	0.138	0.155
	LTE Band 41	20M	QPSK	1	0	Left Side	11mm	Ant 1	DSI 4	40620	2593	1		23.51	24.00	1.119	62.9	1.006	0.01	0.146	0.164
	LTE Band 41 HPUE	20M	QPSK	1	0	Front	7mm	Ant 1	DSI 4	40620	2593	1		26.55	27	1.109	42.9	1.009	0.09	0.228	0.255
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	40620	2593	1		23.51	24.00	1.119	62.9	1.006	0.06	1.480	1.666
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	39750	2506	1		23.44	24.00	1.138	62.9	1.006	0.01	1.450	1.660
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	40185	2549.5	1		23.48	24.00	1.127	62.9	1.006	0.03	1.410	1.599
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	41055	2636.5	1		23.41	24.00	1.146	62.9	1.006	-0.01	1.350	1.556
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 1	DSI 6	41490	2680	1		23.45	24.00	1.135	62.9	1.006	-0.10	1.380	1.576
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 1	DSI 6	40620	2593	1		22.55	23.00	1.109	62.9	1.006	0.08	1.430	1.595
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 1	DSI 6	39750	2506	1		22.45	23.00	1.135	62.9	1.006	-0.13	1.390	1.587
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 1	DSI 6	40185	2549.5	1		22.47	23.00	1.13	62.9	1.006	-0.01	1.330	1.512
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 1	DSI 6	41055	2636.5	1		22.39	23.00	1.151	62.9	1.006	-0.09	1.360	1.575
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 1	DSI 6	41490	2680	1		22.48	23.00	1.127	62.9	1.006	0.05	1.310	1.485
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 1	DSI 6	40620	2593	1		23.51	24.00	1.119	62.9	1.006	0.02	1.520	1.711
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 1	DSI 6	39750	2506	1		23.44	24.00	1.138	62.9	1.006	-0.13	1.430	1.637
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 1	DSI 6	40185	2549.5	1		23.48	24.00	1.127	62.9	1.006	0.17	1.490	1.689
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 1	DSI 6	41055	2636.5	1		23.41	24.00	1.146	62.9	1.006	-0.02	1.420	1.637
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 1	DSI 6	41490	2680	1		23.45	24.00	1.135	62.9	1.006	-0.05	1.410	1.610
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Ant 1	DSI 6	40620	2593	1		22.55	23.00	1.109	62.9	1.006	-0.08	1.480	1.651
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Ant 1	DSI 6	39750	2506	1		22.45	23.00	1.135	62.9	1.006	0.16	1.430	1.633
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Ant 1	DSI 6	40185	2549.5	1		22.47	23.00	1.13	62.9	1.006	0.04	1.470	1.671
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Ant 1	DSI 6	41055	2636.5	1		22.39	23.00	1.151	62.9	1.006	0.05	1.410	1.633
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Ant 1	DSI 6	41490	2680	1		22.48	23.00	1.127	62.9	1.006	0.01	1.400	1.587
	LTE Band 41	20M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	40620	2593	1		23.51	24.00	1.119	62.9	1.006	0.06	1.900	2.139
	LTE Band 41	20M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	39750	2506	1		23.44	24.00	1.138	62.9	1.006	0.03	2.110	2.416
	LTE Band 41	20M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	40185	2549.5	1		23.48	24.00	1.127	62.9	1.006	0.01	2.280	2.585
	LTE Band 41	20M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	41055	2636.5	1		23.41	24.00	1.146	62.9	1.006	-0.11	2.190	2.525
	LTE Band 41	20M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	41490	2680	1		23.45	24.00	1.135	62.9	1.006	-0.16	1.790	2.044
	LTE Band 41	20M	QPSK	50	0	Left Side	0mm	Ant 1	DSI 6	40620	2593	1		22.55	23.00	1.109	62.9	1.006	-0.15	1.740	1.941
	LTE Band 41	20M	QPSK	50	0	Left Side	0mm	Ant 1	DSI 6	39750	2506	1		22.45	23.00	1.135	62.9	1.006	-0.06	1.660	1.895
	LTE Band 41	20M	QPSK	50	0	Left Side	0mm	Ant 1	DSI 6	40185	2549.5	1		22.47	23.00	1.13	62.9	1.006	-0.14	1.830	2.080
	LTE Band 41	20M	QPSK	50	0	Left Side	0mm	Ant 1	DSI 6	41055	2636.5	1		22.39	23.00	1.151	62.9	1.006	-0.19	1.770	2.049
	LTE Band 41	20M	QPSK	50	0	Left Side	0mm	Ant 1	DSI 6	41490	2680	1		22.48	23.00	1.127	62.9	1.006	0.02	1.460	1.655
	LTE Band 41	20M	QPSK	100	0	Left Side	0mm	Ant 1	DSI 6	40620	2593	1		22.46	23.00	1.132	62.9	1.006	0.03	1.420	1.617
91	LTE Band 41 HPUE	20M	QPSK	1	0	Left Side	0mm	Ant 1	DSI 6	40620	2593	1		25.02	25.90	1.225	42.9	1.009	-0.03	2.200	2.719
	LTE Band 41C HPUE	20M	QPSK	1	99	Left Side	0mm	Ant 1	DSI 6	40620+ 40818	2593+ 2612.8	1		24.91	25.9	1.256	42.9	1.009	0.02	2.01	2.547
	LTE Band 41	20M	QPSK	1	0	Front	8mm	Ant 4	DSI 4	40620	2593	1		23.66	24.00	1.081	62.9	1.006	0.01	0.218	0.237
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 4	40620	2593	1		23.66	24.00	1.081	62.9	1.006	0.05	0.506	0.550
	LTE Band 41	20M	QPSK	1	0	Left Side	11mm	Ant 4	DSI 4	40620	2593	1		23.66	24.00	1.081	62.9	1.006	-0.03	0.232	0.252
	LTE Band 41	20M	QPSK	1	0	Top Side	6mm	Ant 4	DSI 4	40620	2593	1		23.66	24.00	1.081	62.9	1.006	0.10	0.438	0.476
	LTE Band 41 HPUE	20M	QPSK	1	0	Back	5mm	Ant 4	DSI 4	40620	2593	1		26.55	27	1.109	42.9	1.009	0.03	0.628	0.703
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	40620	2593	1		20.35	21.30	1.245	62.9	1.006	-0.03	1.500	1.879
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	39750	2506	1		20.30	21.30	1.259	62.9	1.006	-0.15	1.680	2.128
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	40185	2549.5	1		20.33	21.30	1.25	62.9	1.006	-0.07	1.730	2.175
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	41055	2636.5	1		20.28	21.30	1.265	62.9	1.006	0.02	1.320	1.680
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	41490	2680	1		20.31	21.30	1.256	62.9	1.006	0.07	1.260	1.592
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 4	DSI 6	40620	2593	1		20.30	21.30	1.259	62.9	1.006	0.16	1.240	1.571
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 4	DSI 6	39750	2506	1		20.19	21.30	1.291	62.9	1.006	0.13	1.340	1.740
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 4	DSI 6	40185	2549.5	1		20.18	21.30	1.294	62.9	1.006	-0.18	1.330	1.731
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 4	DSI 6	41055	2636.5	1		20.16	21.30	1.3	62.9	1.006	0.02	1.310	1.713
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 4	DSI 6	41490	2680	1		20.19	21.30	1.291	62.9	1.006	0.16	1.290	1.675
	LTE Band 41	20M	QPSK	100	0	Front	0mm	Ant 4	DSI 6	40620	2593	1		20.26	21.30	1.271	62.9	1.006	-0.03	1.250	1.598
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	40620	2593	1		20.35	21.30	1.245	62.9	1.006	0.07	1.470	1.841
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	39750	2506	1		20.30	21.30	1.259	62.9	1.006	0.11	1.470	1.862
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	40185	2549.5	1		20.33	21.30	1.25	62.9	1.006	0.01	1.610	2.025
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	41055	2636.5	1		20.28	21.30	1.265	62.9	1.006	-0.01	1.290	1.642
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 4	DSI 6	41490	2680	1		20.31	21.30	1.256	62.9	1.006	-0.06	1.160	1.466
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Ant 4	DSI 6	40620	2593	1		20.30	21.30	1.259	62.9	1.006	0.18	1.180	1.495
	LTE Band 41	20M	QPSK	100	0	Back	0mm	Ant 4	DSI 6	40620	2593	1		20.26	21.30	1.271	62.9	1.006	-0.17	1.130	1.445
	LTE Band 41	20M	QPSK	1	0	Left Side	0mm	Ant 4	DSI 6	40620	2593										



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	LTE Band 41	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	41055	2636.5	1		20.28	21.30	1.265	62.9	1.006	-0.09	1.490	1.896
	LTE Band 41	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	41490	2680	1		20.31	21.30	1.256	62.9	1.006	0.05	1.360	1.718
	LTE Band 41	20M	QPSK	50	0	Top Side	0mm	Ant 4	DSI 6	40620	2593	1		20.30	21.30	1.259	62.9	1.006	0.02	1.360	1.723
	LTE Band 41	20M	QPSK	50	0	Top Side	0mm	Ant 4	DSI 6	39750	2506	1		20.19	21.30	1.291	62.9	1.006	-0.13	1.130	1.468
	LTE Band 41	20M	QPSK	50	0	Top Side	0mm	Ant 4	DSI 6	40185	2549.5	1		20.18	21.30	1.294	62.9	1.006	0.17	1.280	1.666
	LTE Band 41	20M	QPSK	50	0	Top Side	0mm	Ant 4	DSI 6	41055	2636.5	1		20.16	21.30	1.3	62.9	1.006	0.06	1.200	1.569
	LTE Band 41	20M	QPSK	50	0	Top Side	0mm	Ant 4	DSI 6	41490	2680	1		20.19	21.30	1.291	62.9	1.006	0.10	1.080	1.403
	LTE Band 41	20M	QPSK	100	0	Top Side	0mm	Ant 4	DSI 6	40620	2593	1		20.26	21.30	1.271	62.9	1.006	-0.04	1.050	1.343
	LTE Band 41 HPUE	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	40620	2593	1		21.98	22.90	1.236	42.9	1.009	0.01	1.590	1.983
	LTE Band 41C	20M	QPSK	1	99	Front	0mm	Ant 4	DSI 6	40185+40383	2549.5+2569.3	1		20.16	21.3	1.3	62.9	1.006	0.02	1.58	2.066
	LTE Band 41	20M	QPSK	1	0	Front	6mm	Ant 8	DSI 4	40620	2593	1		23.75	24.00	1.059	62.9	1.006	0.03	0.275	0.293
	LTE Band 41	20M	QPSK	1	0	Back	6mm	Ant 8	DSI 4	40620	2593	1		23.75	24.00	1.059	62.9	1.006	-0.06	0.240	0.256
	LTE Band 41	20M	QPSK	1	0	Bottom Side	6mm	Ant 8	DSI 4	40620	2593	1		23.75	24.00	1.059	62.9	1.006	0.04	0.353	0.376
	LTE Band 41 HPUE	20M	QPSK	1	0	Bottom Side	6mm	Ant 8	DSI 4	40620	2593	1		26.69	27	1.074	42.9	1.009	0.01	0.496	0.537
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	40620	2593	1		23.75	24.00	1.059	62.9	1.006	0.01	1.480	1.577
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	39750	2506	1		23.54	24.00	1.112	62.9	1.006	0.06	1.320	1.477
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	40185	2549.5	1		23.65	24.00	1.084	62.9	1.006	0.02	1.450	1.581
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	41055	2636.5	1		23.62	24.00	1.091	62.9	1.006	0.12	1.470	1.613
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 8	DSI 6	41490	2680	1		23.60	24.00	1.096	62.9	1.006	-0.16	1.410	1.555
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 8	DSI 6	40620	2593	1		23.72	24.00	1.067	62.9	1.006	-0.12	1.200	1.288
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	40620	2593	1		23.75	24.00	1.059	62.9	1.006	-0.02	1.550	1.651
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	39750	2506	1		23.54	24.00	1.112	62.9	1.006	-0.05	1.260	1.410
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	40185	2549.5	1		23.65	24.00	1.084	62.9	1.006	-0.13	1.320	1.439
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	41055	2636.5	1		23.62	24.00	1.091	62.9	1.006	0.08	1.500	1.646
	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 8	DSI 6	41490	2680	1		23.60	24.00	1.096	62.9	1.006	0.16	1.510	1.665
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Ant 8	DSI 6	40620	2593	1		23.72	24.00	1.067	62.9	1.006	0.01	1.210	1.299
	LTE Band 41	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	40620	2593	1		23.75	24.00	1.059	62.9	1.006	0.10	1.720	1.832
	LTE Band 41	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	39750	2506	1		23.54	24.00	1.112	62.9	1.006	0.02	1.970	2.204
	LTE Band 41	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	40185	2549.5	1		23.65	24.00	1.084	62.9	1.006	-0.04	1.920	2.094
	LTE Band 41	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	41055	2636.5	1		23.62	24.00	1.091	62.9	1.006	-0.01	1.440	1.580
	LTE Band 41	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	41490	2680	1		23.60	24.00	1.096	62.9	1.006	-0.15	1.290	1.422
	LTE Band 41	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	40620	2593	1		23.72	24.00	1.067	62.9	1.006	-0.11	1.450	1.556
	LTE Band 41	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	39750	2506	1		23.70	24.00	1.072	62.9	1.006	-0.06	1.550	1.672
	LTE Band 41	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	40185	2549.5	1		23.68	24.00	1.076	62.9	1.006	-0.15	1.670	1.808
	LTE Band 41	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	41055	2636.5	1		23.66	24.00	1.081	62.9	1.006	0.03	1.230	1.338
	LTE Band 41	20M	QPSK	50	0	Bottom Side	0mm	Ant 8	DSI 6	41490	2680	1		23.62	24.00	1.091	62.9	1.006	-0.13	0.990	1.087
	LTE Band 41	20M	QPSK	100	0	Bottom Side	0mm	Ant 8	DSI 6	40620	2593	1		23.64	24.00	1.086	62.9	1.006	0.16	1.350	1.475
	LTE Band 41 HPUE	20M	QPSK	1	0	Bottom Side	0mm	Ant 8	DSI 6	40620	2593	1		25.75	26.80	1.274	42.9	1.009	0.02	2.070	2.661
	LTE Band 41C HPUE	20M	QPSK	1	99	Bottom Side	0mm	Ant 8	DSI 6	40620+40818	2593+2612.8	1		25.55	26.8	1.334	42.9	1.009	0.06	1.89	2.544
	LTE Band 42	20M	QPSK	1	0	Front	8mm	Ant 4	DSI 4	42590	3500	1		22.85	24.00	1.303	62.9	1.006	0.03	0.251	0.329
	LTE Band 42	20M	QPSK	1	0	Left Side	11mm	Ant 4	DSI 4	42590	3500	1		22.85	24.00	1.303	62.9	1.006	0.01	0.300	0.393
	LTE Band 42	20M	QPSK	1	0	Top Side	6mm	Ant 4	DSI 4	42590	3500	1		22.85	24.00	1.303	62.9	1.006	-0.03	0.404	0.530
	LTE Band 42	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	42590	3500	1		21.77	22.90	1.297	62.9	1.006	0.01	1.660	2.166
	LTE Band 42	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	42190	3460	1		21.73	22.90	1.309	62.9	1.006	0.06	1.600	2.107
	LTE Band 42	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	42990	3540	1		21.74	22.90	1.306	62.9	1.006	-0.09	1.640	2.155
	LTE Band 42	20M	QPSK	50	0	Front	0mm	Ant 4	DSI 6	42590	3500	1		21.74	22.90	1.306	62.9	1.006	-0.08	1.370	1.800
	LTE Band 42	20M	QPSK	100	0	Front	0mm	Ant 4	DSI 6	42590	3500	1		21.69	22.90	1.321	62.9	1.006	0.03	1.290	1.714
	LTE Band 42	20M	QPSK	1	0	Left Side	0mm	Ant 4	DSI 6	42590	3500	1		21.77	22.90	1.297	62.9	1.006	0.18	0.802	1.046
	LTE Band 42	20M	QPSK	50	0	Left Side	0mm	Ant 4	DSI 6	42590	3500	1		21.74	22.90	1.306	62.9	1.006	0.16	0.664	0.872
	LTE Band 42	20M	QPSK	1	0	Top Side	0mm	Ant 4	DSI 6	42590	3500	1		21.77	22.90	1.297	62.9	1.006	-0.01	1.180	1.540
	LTE Band 42	20M	QPSK	50	0	Top Side	0mm	Ant 4	DSI 6	42590	3500	1		21.74	22.90	1.306	62.9	1.006	-0.06	1.120	1.471
	LTE Band 42	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	42590	3500	1	Cover	21.77	22.9	1.297	62.9	1.006	-0.07	1.43	1.866
	LTE Band 42	20M	QPSK	1	0	Front	0mm	Ant 4	DSI 6	42590	3500	2		21.77	22.9	1.297	62.9	1.006	0.1	1.61	2.101
	LTE Band 42	20M	QPSK	1	0	Front	8mm	Ant 6	DSI 4	42590	3500	1		23.23	24.00	1.194	62.9	1.006	0.01	0.481	0.578
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 4	42590	3500	1		23.23	24.00	1.194	62.9	1.006	0.06	0.892	1.071
	LTE Band 42	20M	QPSK	1	0	Left Side	11mm	Ant 6	DSI 4	42590	3500	1		23.23	24.00	1.194	62.9	1.006	0.02	0.576	0.692
	LTE Band 42	20M	QPSK	1	0	Front	0mm	Ant 6	DSI 6	42590	3500	1		18.81	19.70	1.227	62.9	1.006	-0.02	1.360	1.679
	LTE Band 42	20M	QPSK	50	0	Front	0mm	Ant 6	DSI 6	42590	3500	1		18.78	19.70	1.236	62.9	1.006	0.11	1.100	1.368
	LTE Band 42	20M	QPSK	1	0	Back	0mm	Ant 6	DSI 6	42590	3500	1		18.81	19.70	1.227	62.9	1.006	0.05	0.351	0.433
	LTE Band 42	20M	QPSK	50	0	Back	0mm	Ant 6	DSI 6	42590	3500	1		18.78	19.70	1.236	62.9	1.006	0.05	0.284	0.353
	LTE Band 42	20M	QPSK	1	0	Left Side	0mm	Ant 6	DSI 6	42590	3500	1		18.81	19.70	1.227	62.9	1.006	-0.03	1.730	2.135
	LTE Band 42	20M	QPSK	1	0	Left Side	0mm	Ant 6	DSI 6	42190	3460	1		18.76	19.70	1.242	62.9	1.006	-0.15	1.670	2.087
92	LTE Band 42	20M	QPSK	1	0	Left Side	0mm	Ant 6	DSI 6	42990	3540	1		18.79	19.70	1.233	62.9	1.006	0.05	1.760	2.183
	LTE Band 42	20M	QPSK	50	0	Left Side	0mm	Ant 6	DSI 6	42590	3500	1		18.78	19.70	1.236	62.9	1.006	0.02	1.270	1.579
	LTE Band 42	20M	QPSK	100	0	Left Side	0mm	Ant 6	DSI 6	42590	3500	1		18.73	19.70	1.25	62.9	1.006	0.13	1.410	1.773
	LTE Band 42	20M	QPSK	1	0	Left Side	0mm	Ant 6	DSI 6	42990	3540	1	Cover	18.79	19.7	1.233	62.9	1.006	0.11	1.53	1.898
	LTE Band 42C	20M	QPSK	1	0	Left Side															



【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	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)
	FR1 n2	40M	BPSK	1	1	Front	8mm	Ant 4	DSI 4	376000	1880	1		23.79	24.00	1.05			0.03	0.244	0.256
	FR1 n2	40M	BPSK	1	1	Top Side	6mm	Ant 4	DSI 4	376000	1880	1		23.79	24.00	1.05			-0.02	0.524	0.550
	FR1 n2	40M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	376000	1880	1		21.23	22.10	1.222			-0.09	1.640	2.004
	FR1 n2	40M	BPSK	108	54	Front	0mm	Ant 4	DSI 6	376000	1880	1		21.07	22.10	1.268			0.03	1.460	1.851
	FR1 n2	40M	BPSK	216	0	Front	0mm	Ant 4	DSI 6	376000	1880	1		20.90	22.10	1.318			0.06	1.430	1.885
	FR1 n2	40M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	376000	1880	1		21.23	22.10	1.222			0.04	1.780	2.175
	FR1 n2	40M	BPSK	108	54	Top Side	0mm	Ant 4	DSI 6	376000	1880	1		21.07	22.10	1.268			-0.11	1.680	2.130
	FR1 n2	40M	BPSK	216	0	Top Side	0mm	Ant 4	DSI 6	376000	1880	1		20.90	22.10	1.318			0.03	1.620	2.135
	FR1 n2	40M	BPSK	1	1	Front	6mm	Ant 8	DSI 4	376000	1880	1		23.26	24.00	1.186			0.03	0.487	0.578
	FR1 n2	40M	BPSK	1	1	Back	6mm	Ant 8	DSI 4	376000	1880	1		23.26	24.00	1.186			0.09	0.459	0.544
	FR1 n2	40M	BPSK	1	1	Bottom Side	6mm	Ant 8	DSI 4	376000	1880	1		23.26	24.00	1.186			0.01	0.713	0.846
	FR1 n2	40M	BPSK	1	1	Front	0mm	Ant 8	DSI 6	376000	1880	1		21.35	22.50	1.303			0.03	1.800	2.345
	FR1 n2	40M	BPSK	108	54	Front	0mm	Ant 8	DSI 6	376000	1880	1		21.28	22.50	1.324			0.06	1.790	2.370
	FR1 n2	40M	BPSK	216	0	Front	0mm	Ant 8	DSI 6	376000	1880	1		21.24	22.50	1.337			0.01	1.720	2.300
	FR1 n2	40M	BPSK	1	1	Back	0mm	Ant 8	DSI 6	376000	1880	1		21.35	22.50	1.303			0.08	2.020	2.632
93	FR1 n2	40M	BPSK	108	54	Back	0mm	Ant 8	DSI 6	376000	1880	1		21.28	22.50	1.324			-0.03	2.070	2.741
	FR1 n2	40M	BPSK	216	0	Back	0mm	Ant 8	DSI 6	376000	1880	1		21.24	22.50	1.337			0.03	1.930	2.580
	FR1 n2	40M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	376000	1880	1		21.35	22.50	1.303			0.06	1.910	2.489
	FR1 n2	40M	BPSK	108	54	Bottom Side	0mm	Ant 8	DSI 6	376000	1880	1		21.28	22.50	1.324			0.09	1.840	2.436
	FR1 n2	40M	BPSK	216	0	Bottom Side	0mm	Ant 8	DSI 6	376000	1880	1		21.24	22.50	1.337			0.10	1.780	2.380
	FR1 n7	50M	BPSK	1	1	Front	8mm	Ant 4	DSI 4	507000	2535	1		23.25	24.00	1.189			0.01	0.352	0.419
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 4	DSI 4	507000	2535	1		23.25	24.00	1.189			0.09	0.692	0.823
	FR1 n7	50M	BPSK	1	1	Left Side	11mm	Ant 4	DSI 4	507000	2535	1		23.25	24.00	1.189			0.03	0.362	0.430
	FR1 n7	50M	BPSK	1	1	Top Side	6mm	Ant 4	DSI 4	507000	2535	1		23.25	24.00	1.189			0.02	0.425	0.505
	FR1 n7	50M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	507000	2535	1		18.78	19.80	1.265			-0.10	1.320	1.670
	FR1 n7	50M	BPSK	135	68	Front	0mm	Ant 4	DSI 6	507000	2535	1		18.73	19.80	1.279			0.17	1.310	1.675
	FR1 n7	50M	BPSK	1	1	Back	0mm	Ant 4	DSI 6	507000	2535	1		18.78	19.80	1.265			0.13	0.381	0.482
	FR1 n7	50M	BPSK	135	68	Back	0mm	Ant 4	DSI 6	507000	2535	1		18.73	19.80	1.279			-0.02	0.321	0.411
	FR1 n7	50M	BPSK	1	1	Left Side	0mm	Ant 4	DSI 6	507000	2535	1		18.78	19.80	1.265			0.01	0.810	1.025
	FR1 n7	50M	BPSK	135	68	Left Side	0mm	Ant 4	DSI 6	507000	2535	1		18.73	19.80	1.279			0.10	0.736	0.941
	FR1 n7	50M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	507000	2535	1		18.78	19.80	1.265			0.01	1.710	2.163
	FR1 n7	50M	BPSK	135	68	Top Side	0mm	Ant 4	DSI 6	507000	2535	1		18.73	19.80	1.279			0.13	1.550	1.982
	FR1 n7	50M	BPSK	270	0	Top Side	0mm	Ant 4	DSI 6	507000	2535	1		18.60	19.80	1.318			0.05	1.480	1.951
	FR1 n7_PA (Reference Designator)	50M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	507000	2535	1		18.78	19.8	1.265			0.06	1.62	2.049
	FR1 n7	50M	BPSK	1	1	Front	6mm	Ant 8	DSI 4	507000	2535	1		23.59	24.00	1.099			0.03	0.366	0.402
	FR1 n7	50M	BPSK	1	1	Back	6mm	Ant 8	DSI 4	507000	2535	1		23.59	24.00	1.099			0.06	0.337	0.370
	FR1 n7	50M	BPSK	1	1	Bottom Side	6mm	Ant 8	DSI 4	507000	2535	1		23.59	24.00	1.099			0.01	0.523	0.575
	FR1 n7	50M	BPSK	1	1	Front	0mm	Ant 8	DSI 6	507000	2535	1		21.56	22.60	1.271			0.06	1.790	2.275
	FR1 n7	50M	BPSK	135	68	Front	0mm	Ant 8	DSI 6	507000	2535	1		21.47	22.60	1.297			0.01	1.870	2.425
	FR1 n7	50M	BPSK	270	0	Front	0mm	Ant 8	DSI 6	507000	2535	1		21.32	22.60	1.343			0.06	1.750	2.350
	FR1 n7	50M	BPSK	1	1	Back	0mm	Ant 8	DSI 6	507000	2535	1		21.56	22.60	1.271			0.02	1.740	2.212
	FR1 n7	50M	BPSK	135	68	Back	0mm	Ant 8	DSI 6	507000	2535	1		21.47	22.60	1.297			-0.01	1.760	2.283
	FR1 n7	50M	BPSK	270	0	Back	0mm	Ant 8	DSI 6	507000	2535	1		21.32	22.60	1.343			0.05	1.620	2.176
94	FR1 n7	50M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	507000	2535	1		21.56	22.60	1.271			0.02	2.160	2.745
	FR1 n7	50M	BPSK	135	68	Bottom Side	0mm	Ant 8	DSI 6	507000	2535	1		21.47	22.60	1.297			0.03	1.880	2.438
	FR1 n7	50M	BPSK	270	0	Bottom Side	0mm	Ant 8	DSI 6	507000	2535	1		21.32	22.60	1.343			-0.05	1.750	2.350
	FR1 n7_PA (Reference Designator)	50M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	507000	2535	1		21.56	22.6	1.271			0.03	1.63	2.072
95	FR1 n26	20M	BPSK	1	1	Front	0mm	Ant 1	DSI 6	166300	831.5	1		23.01	24.00	1.256			-0.08	1.360	1.708
	FR1 n26	20M	BPSK	50	28	Front	0mm	Ant 1	DSI 6	166300	831.5	1		22.97	24.00	1.268			0.05	1.300	1.648
	FR1 n26	20M	BPSK	1	1	Left Side	0mm	Ant 1	DSI 6	166300	831.5	1		23.01	24.00	1.256			0.06	1.210	1.520
	FR1 n26	20M	BPSK	50	28	Left Side	0mm	Ant 1	DSI 6	166300	831.5	1		22.97	24.00	1.268			-0.09	0.905	1.148
	FR1 n66	45M	BPSK	1	1	Front	8mm	Ant 4	DSI 4	349000	1745	1		23.86	24.00	1.033			0.03	0.234	0.242
	FR1 n66	45M	BPSK	1	1	Top Side	6mm	Ant 4	DSI 4	349000	1745	1		23.86	24.00	1.033			0.09	0.412	0.426
	FR1 n66	45M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	349000	1745	1		21.41	22.40	1.256			-0.08	1.360	1.708
	FR1 n66	45M	BPSK	120	60	Front	0mm	Ant 4	DSI 6	349000	1745	1		21.23	22.40	1.309			0.13	1.150	1.505
	FR1 n66	45M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	349000	1745	1		21.41	22.40	1.256			0.03	1.720	2.160
	FR1 n66	45M	BPSK	120	60	Top Side	0mm	Ant 4	DSI 6	349000	1745	1		21.23	22.40	1.309			0.12	1.590	2.081
	FR1 n66	45M	BPSK	240	0	Top Side	0mm	Ant 4	DSI 6	349000	1745	1		21.27	22.40	1.297			0.03	1.530	1.984
	FR1 n66	45M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	349000	1745	1	Cover	21.41	22.4	1.256			-0.01	1.58	1.984
	FR1 n66_PA (Reference Designator)	45M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	349000	1745	1		21.41	22.4	1.256			0.05	1.62	2.035
	FR1 n66	45M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	349000	1745	2		21.41	22.4	1.256			0.1	1.66	2.085
	FR1 n66	45M	BPSK	1	1	Front	6mm	Ant 8	DSI 4	349000	1745	1		23.45	24.00	1.135			0.03	0.533	0.605
	FR1 n66	45M	BPSK	1	1	Back	6mm	Ant 8	DSI 4	349000	1745	1		23.45	24.00	1.135			0.08	0.569	0.646
	FR1 n66	45M	BPSK	1	1	Bottom Side	6mm	Ant 8	DSI 4	349000	1745	1		23.45	24.00	1.135			-0.01	0.817	0.927



FCC SAR Test Report

Report No. : FA572502

	FR1 n66	45M	BPSK	1	1	Front	0mm	Ant 8	DSI 6	349000	1745	1		22.52	23.60	1.282		0.09	2.070	2.654	
	FR1 n66	45M	BPSK	120	60	Front	0mm	Ant 8	DSI 6	349000	1745	1		22.43	23.60	1.309		-0.03	1.940	2.539	
	FR1 n66	45M	BPSK	240	0	Front	0mm	Ant 8	DSI 6	349000	1745	1		22.27	23.60	1.358		0.01	1.890	2.567	
	FR1 n66	45M	BPSK	1	1	Back	0mm	Ant 8	DSI 6	349000	1745	1		22.52	23.60	1.282		0.06	2.120	2.718	
	FR1 n66	45M	BPSK	120	60	Back	0mm	Ant 8	DSI 6	349000	1745	1		22.43	23.60	1.309		0.08	1.980	2.592	
	FR1 n66	45M	BPSK	240	0	Back	0mm	Ant 8	DSI 6	349000	1745	1		22.27	23.60	1.358		0.07	1.850	2.512	
96	FR1 n66	45M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	349000	1745	1		22.52	23.60	1.282		0.05	2.130	2.731	
	FR1 n66	45M	BPSK	120	60	Bottom Side	0mm	Ant 8	DSI 6	349000	1745	1		22.43	23.60	1.309		0.01	2.040	2.670	
	FR1 n66	45M	BPSK	240	0	Bottom Side	0mm	Ant 8	DSI 6	349000	1745	1		22.27	23.60	1.358		0.06	1.910	2.594	
	FR1 n66_PA (Reference Designator)	45M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	349000	1745	1		22.52	23.6	1.282		0.04	1.46	1.872	
	FR1 n41	100M	BPSK	1	1	Front	7mm	Ant 1	DSI 4	518598	2592.99	1		23.29	24.00	1.178		0.03	0.211	0.249	
	FR1 n41	100M	BPSK	1	1	Back	4mm	Ant 1	DSI 4	518598	2592.99	1		23.29	24	1.178		0.06	0.125	0.147	
	FR1 n41	100M	BPSK	1	1	Left Side	11mm	Ant 1	DSI 4	518598	2592.99	1		23.29	24.00	1.178		0.06	0.240	0.283	
	FR1 n41_HPUE	100M	BPSK	1	1	Left Side	11mm	Ant 1	DSI 4	518598	2592.99	1		26.21	27	1.199	50	1	-0.01	0.247	0.296
	FR1 n41	100M	BPSK	1	1	Front	0mm	Ant 1	DSI 6	518598	2592.99	1		20.35	21.40	1.274		0.08	1.700	2.166	
	FR1 n41	100M	BPSK	135	69	Front	0mm	Ant 1	DSI 6	518598	2592.99	1		20.31	21.40	1.285		0.01	1.850	2.377	
	FR1 n41	100M	BPSK	270	0	Front	0mm	Ant 1	DSI 6	518598	2592.99	1		20.31	21.40	1.285		0.03	1.720	2.210	
	FR1 n41	100M	BPSK	1	1	Back	0mm	Ant 1	DSI 6	518598	2592.99	1		20.35	21.40	1.274		-0.08	0.767	0.977	
	FR1 n41	100M	BPSK	135	69	Back	0mm	Ant 1	DSI 6	518598	2592.99	1		20.31	21.40	1.285		0.01	1.020	1.311	
	FR1 n41	100M	BPSK	1	1	Left Side	0mm	Ant 1	DSI 6	518598	2592.99	1		20.35	21.40	1.274		-0.02	2.180	2.777	
	FR1 n41	100M	BPSK	135	69	Left Side	0mm	Ant 1	DSI 6	518598	2592.99	1		20.31	21.40	1.285		-0.05	2.130	2.737	
	FR1 n41	100M	BPSK	270	0	Left Side	0mm	Ant 1	DSI 6	518598	2592.99	1		20.31	21.40	1.285		0.02	2.060	2.647	
	FR1 n41_HPUE	100M	BPSK	1	1	Left Side	0mm	Ant 1	DSI 6	518598	2592.99	1		23.58	24.40	1.208	50.0	1.0	-0.05	2.130	2.573
	FR1 n41	100M	BPSK	1	1	Left Side	0mm	Ant 1	DSI 6	518598	2592.99	1	Cover	20.35	21.4	1.274		-0.17	1.95	2.484	
	FR1 n41	100M	BPSK	1	1	Left Side	0mm	Ant 1	DSI 6	518598	2592.99	2		20.35	21.4	1.274		0.12	2.09	2.663	
	FR1 n41	100M	BPSK	1	1	Front	9mm	Ant 3	DSI 4	518598	2592.99	1		23.52	24.00	1.117		0.06	0.121	0.135	
	FR1 n41	100M	BPSK	1	1	Front	0mm	Ant 3	DSI 6	518598	2592.99	1		21.48	22.40	1.236		0.02	1.750	2.163	
	FR1 n41	100M	BPSK	135	69	Front	0mm	Ant 3	DSI 6	518598	2592.99	1		21.39	22.40	1.262		0.18	1.700	2.145	
	FR1 n41	100M	BPSK	270	0	Front	0mm	Ant 3	DSI 6	518598	2592.99	1		21.27	22.40	1.297		0.03	1.650	2.140	
	FR1 n41	100M	BPSK	1	1	Front	0mm	Ant 3	DSI 6	518598	2592.99	1	Cover	21.48	22.4	1.236		-0.01	1.55	1.916	
	FR1 n41	100M	BPSK	1	1	Front	0mm	Ant 3	DSI 6	518598	2592.99	2		21.48	22.4	1.236		0.08	1.71	2.114	
	FR1 n41	100M	BPSK	1	1	Front	8mm	Ant 4	DSI 4	518598	2592.99	1		23.13	24.00	1.222		0.01	0.390	0.477	
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 4	518598	2592.99	1		23.13	24.00	1.222		-0.03	0.918	1.122	
	FR1 n41	100M	BPSK	1	1	Left Side	11mm	Ant 4	DSI 4	518598	2592.99	1		23.13	24.00	1.222		0.05	0.397	0.485	
	FR1 n41	100M	BPSK	1	1	Top Side	6mm	Ant 4	DSI 4	518598	2592.99	1		23.13	24.00	1.222		0.01	0.511	0.624	
	FR1 n41_HPUE	100M	BPSK	1	1	Back	5mm	Ant 4	DSI 4	518598	2592.99	1		26.15	27	1.216	50	1	-0.1	0.929	1.13
	FR1 n41	100M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	518598	2592.99	1		19.15	20.20	1.274		0.08	1.710	2.179	
	FR1 n41	100M	BPSK	135	69	Front	0mm	Ant 4	DSI 6	518598	2592.99	1		19.11	20.20	1.285		0.14	1.570	2.017	
	FR1 n41	100M	BPSK	270	0	Front	0mm	Ant 4	DSI 6	518598	2592.99	1		18.99	20.20	1.321		-0.17	1.520	2.008	
	FR1 n41	100M	BPSK	1	1	Back	0mm	Ant 4	DSI 6	518598	2592.99	1		19.15	20.20	1.274		0.17	0.451	0.575	
	FR1 n41	100M	BPSK	135	69	Back	0mm	Ant 4	DSI 6	518598	2592.99	1		19.11	20.20	1.285		-0.05	0.384	0.493	
	FR1 n41	100M	BPSK	1	1	Left Side	0mm	Ant 4	DSI 6	518598	2592.99	1		19.15	20.20	1.274		0.01	1.000	1.274	
	FR1 n41	100M	BPSK	135	69	Left Side	0mm	Ant 4	DSI 6	518598	2592.99	1		19.11	20.20	1.285		0.10	0.868	1.115	
	FR1 n41	100M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	1		19.15	20.20	1.274		-0.17	1.690	2.153	
	FR1 n41	100M	BPSK	135	69	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	1		19.11	20.20	1.285		0.01	1.650	2.120	
	FR1 n41	100M	BPSK	270	0	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	1		18.99	20.20	1.321		0.03	1.570	2.074	
	FR1 n41_HPUE	100M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	518598	2592.99	1		22.55	23.20	1.161	50.0	1.0	0.01	1.710	1.985
	FR1 n41	100M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	518598	2592.99	1	Cover	19.15	20.2	1.274		-0.11	1.53	1.949	
	FR1 n41_PA (Reference Designator)	100M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	518598	2592.99	1		19.15	20.2	1.274		0.03	1.54	1.962	
	FR1 n41	100M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	518598	2592.99	2		19.15	20.2	1.274		-0.17	1.65	2.102	
	FR1 n41	100M	BPSK	1	1	Front	6mm	Ant 8	DSI 4	518598	2592.99	1		23.73	24.00	1.064		0.03	0.308	0.328	
	FR1 n41	100M	BPSK	1	1	Back	6mm	Ant 8	DSI 4	518598	2592.99	1		23.73	24.00	1.064		0.06	0.279	0.297	
	FR1 n41	100M	BPSK	1	1	Bottom Side	6mm	Ant 8	DSI 4	518598	2592.99	1		23.73	24.00	1.064		-0.01	0.446	0.475	
	FR1 n41_HPUE	100M	BPSK	1	1	Bottom Side	6mm	Ant 8	DSI 4	518598	2592.99	1		26.75	27	1.059	50	1	0.06	0.433	0.459
	FR1 n41	100M	BPSK	1	1	Front	0mm	Ant 8	DSI 6	518598	2592.99	1		21.25	22.10	1.216		-0.17	1.460	1.775	
	FR1 n41	100M	BPSK	135	69	Front	0mm	Ant 8	DSI 6	518598	2592.99	1		21.24	22.10	1.219		-0.03	1.420	1.731	
	FR1 n41	100M	BPSK	1	1	Back	0mm	Ant 8	DSI 6	518598	2592.99	1		21.25	22.10	1.216		0.14	1.290	1.569	
	FR1 n41	100M	BPSK	135	69	Back	0mm	Ant 8	DSI 6	518598	2592.99	1		21.24	22.10	1.219		0.11	1.330	1.621	
	FR1 n41	100M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	518598	2592.99	1		21.25	22.10	1.216		-0.06	2.120	2.578	
	FR1 n41	100M	BPSK	135	69	Bottom Side	0mm	Ant 8	DSI 6	518598	2592.99	1		21.24	22.10	1.219		-0.05	1.850	2.255	
	FR1 n41	100M	BPSK	270	0	Bottom Side	0mm	Ant 8	DSI 6	518598	2592.99	1		21.01	22.10	1.285		0.02	1.810	2.326	
97	FR1 n41_HPUE	100M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	518598	2592.99	1		23.88	25.10	1.324	50.0	1.0	-0.01	2.100	2.780
	FR1 n41_HPUE	100M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	518598	2592.99	1	Cover	23.88	25.1	1.324	50	1	0.03	1.81	2.396
	FR1 n41_HPUE_PA (Reference Designator)	100M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	518598	2592.99	1		23.88	25.1	1.324	50	1	0.05	1.95	2.582
	FR1 n41_HPUE	100M	BPSK	1	1	Bottom Side	0mm	Ant 8	DSI 6	518598	2592.99	2		23.88	25.1	1.324	50	1	-0.03	2.08	2.754
	FR1 n77	100M	BPSK	1	1	Front	8mm	Ant 4	DSI 4	656000	3840	1		22.75	24.00	1.334		0.03	0.218	0.291	
	FR1 n77	100M	BPSK	1	1	Top Side	6mm	Ant 4	DSI 4	656000	3840	1		22.75	24.00	1.334		0.01	0.275	0.367	
	FR1 n77_HPUE	100M	BPSK	1	1	Top Side	6mm	Ant 4	DSI 4	656000	3840	1		25.79	27	1.321	50	1	-0.02	0.288	0.38
	FR1 n77	100M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	656000	3840	1		20.28	21.40	1.294		0.05	1.650	2.135	
	FR1 n77	100M	BPSK	135	69	Front	0mm	Ant 4	DSI 6	656000	3840	1		20.23	21.40	1.309		0.08	1.590	2.081	



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	FR1 n77	100M	BPSK	270	0	Front	0mm	Ant 4	DSI 6	656000	3840	1		20.17	21.40	1.327			0.01	1.510	2.004
	FR1 n77	100M	BPSK	1	1	Top Side	0mm	Ant 4	DSI 6	656000	3840	1		20.28	21.40	1.294			0.03	1.160	1.501
	FR1 n77	100M	BPSK	135	69	Top Side	0mm	Ant 4	DSI 6	656000	3840	1		20.23	21.40	1.309			0.05	0.906	1.186
	FR1 n77_HPUE	100M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	656000	3840	1		23.33	24.40	1.279	50.0	1.0	-0.08	1.610	2.059
	FR1 n77	100M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	656000	3840	1	Cover	20.28	21.4	1.294			0.16	1.53	1.98
	FR1 n77	100M	BPSK	1	1	Front	0mm	Ant 4	DSI 6	656000	3840	2		20.28	21.4	1.294			0.14	1.61	2.083
	FR1 n77	100M	BPSK	1	1	Front	0mm	Ant 5	DSI 6	656000	3840	1		20.54	21.50	1.247			-0.06	0.945	1.178
	FR1 n77	100M	BPSK	135	69	Front	0mm	Ant 5	DSI 6	656000	3840	1		20.51	21.50	1.256			0.08	0.843	1.059
	FR1 n77	100M	BPSK	1	1	Right Side	0mm	Ant 5	DSI 6	656000	3840	1		20.54	21.50	1.247			0.01	0.882	1.100
	FR1 n77	100M	BPSK	135	69	Right Side	0mm	Ant 5	DSI 6	656000	3840	1		20.51	21.50	1.256			0.03	0.803	1.009
	FR1 n77	100M	BPSK	1	1	Front	0mm	Ant 5	DSI 6	656000	3840	1	Cover	20.54	21.5	1.247			-0.06	0.877	1.094
	FR1 n77	100M	BPSK	1	1	Front	0mm	Ant 5	DSI 6	656000	3840	2		20.54	21.5	1.247			-0.05	0.923	1.151
	FR1 n77	100M	BPSK	1	1	Front	8mm	Ant 6	DSI 4	656000	3840	1		23.35	24.00	1.161			0.03	0.409	0.475
	FR1 n77	100M	BPSK	1	1	Back	5mm	Ant 6	DSI 4	656000	3840	1		23.35	24.00	1.161			-0.02	0.870	1.010
	FR1 n77	100M	BPSK	1	1	Left Side	11mm	Ant 6	DSI 4	656000	3840	1		23.35	24.00	1.161			0.01	0.489	0.568
	FR1 n77_HPUE	100M	BPSK	1	1	Back	5mm	Ant 6	DSI 4	656000	3840	1		26.38	27	1.153	50	1	0.06	0.861	0.993
	FR1 n77	100M	BPSK	1	1	Front	0mm	Ant 6	DSI 6	656000	3840	1		16.38	17.40	1.265			0.10	1.580	1.999
	FR1 n77	100M	BPSK	135	69	Front	0mm	Ant 6	DSI 6	656000	3840	1		16.33	17.40	1.279			-0.18	1.280	1.637
	FR1 n77	100M	BPSK	1	1	Back	0mm	Ant 6	DSI 6	656000	3840	1		16.38	17.40	1.265			0.10	0.375	0.474
	FR1 n77	100M	BPSK	135	69	Back	0mm	Ant 6	DSI 6	656000	3840	1		16.33	17.40	1.279			0.12	0.449	0.574
98	FR1 n77	100M	BPSK	1	1	Left Side	0mm	Ant 6	DSI 6	656000	3840	1		16.38	17.40	1.265			0.10	1.720	2.176
	FR1 n77	100M	BPSK	135	69	Left Side	0mm	Ant 6	DSI 6	656000	3840	1		16.33	17.40	1.279			0.08	1.430	1.829
	FR1 n77	100M	BPSK	270	0	Left Side	0mm	Ant 6	DSI 6	656000	3840	1		16.11	17.40	1.346			0.04	1.320	1.777
	FR1 n77_HPUE	100M	BPSK	1	1	Left Side	0mm	Ant 6	DSI 6	656000	3840	1		19.66	20.40	1.186	50.0	1.0	-0.14	1.690	2.004
	FR1 n77	100M	BPSK	1	1	Left Side	0mm	Ant 6	DSI 6	656000	3840	1	Cover	16.38	17.4	1.265			0.02	1.56	1.973
	FR1 n77	100M	BPSK	1	1	Left Side	0mm	Ant 6	DSI 6	656000	3840	2		16.38	17.4	1.265			0.18	1.51	1.91

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	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)
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3+2(2)	Extremity Standalone	1	2412	1		18.70	20.50	1.514	99.88	1.001	0.01	0.474	0.718
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3+2(2)	Extremity Simultaneous	1	2412	1		16.09	18.00	1.552	100.0	1.0	-0.06	0.238	0.369
99	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+2(2)	Extremity Standalone	1	2412	1		18.70	20.50	1.514	99.88	1.001	-0.06	1.270	1.925
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+2(2)	Extremity Simultaneous	1	2412	1		16.09	18.00	1.552	100.0	1.0	0.03	0.637	0.989
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 3+2(2)	Full Power	1	2412	1		18.70	20.50	1.514	99.88	1.001	0.01	0.135	0.205
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+2(2)	Extremity Standalone	1	2412	1	Cover	18.7	20.5	1.514	99.88	1.001	0.01	1.03	1.561
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+2(2)	Extremity Standalone	1	2412	2		18.7	20.5	1.514	99.88	1.001	0.14	1.19	1.803
	WLAN2.4GHz	802.11b 1Mbps	Back	1mm	Ant 3+2(2)	Extremity Standalone	1	2412	1		18.7	20.5	1.514	99.88	1.001	0.01	0.373	0.565
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+7(5)	Extremity Standalone	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.06	0.655	0.951
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+7(5)	Extremity Simultaneous	54	5270	1		17.36	19.00	1.459	100.0	1.0	0.04	0.488	0.712
	WLAN5GHz	802.11n-HT40 MCS0	Front	9mm	Ant 5+7(5)	Full Power	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.03	0.044	0.064
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+7(5)	Extremity Standalone	54	5270	1		17.88	19.50	1.452	100.0	1.0	-0.06	0.159	0.231
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+7(5)	Extremity Simultaneous	54	5270	1		17.36	19.00	1.459	100.0	1.0	0.03	0.118	0.172
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5+7(5)	Extremity Standalone	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.01	0.042	0.061
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5+7(5)	Extremity Simultaneous	54	5270	1		17.36	19.00	1.459	100.0	1.0	-0.06	0.044	0.064
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7(5)	Extremity Standalone	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.05	0.237	0.344
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7(5)	Extremity Simultaneous	54	5270	1		17.36	19.00	1.459	100.0	1.0	0.09	0.179	0.261
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 5+7(5)	Full Power	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.01	0.034	0.049
100	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Standalone	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.01	0.772	1.121
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Simultaneous	54	5270	1		17.36	19.00	1.459	100.0	1.0	0.06	0.679	0.991
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	7mm	Ant 5+7(5)	Full Power	54	5270	1		17.88	19.50	1.452	100.0	1.0	0.01	0.071	0.103
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Standalone	54	5270	1	Cover	17.88	19.5	1.452	100	1	0.16	0.721	1.047
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Standalone	54	5270	2		17.88	19.5	1.452	100	1	-0.17	0.752	1.092
	WLAN5GHz	802.11n-HT40 MCS0	Back	1mm	Ant 5+7(5)	Extremity Standalone	54	5270	1		17.88	19.5	1.452	100	1	0.01	0.134	0.195
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+7(5)	Extremity Standalone	110	5550	1		18.46	20.00	1.426	100.0	1.0	0.03	0.520	0.742
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7(5)	Extremity Simultaneous	138	5690	1		16.96	18.50	1.426	99.82	1.002	0.06	0.369	0.527
	WLAN5GHz	802.11n-HT40 MCS0	Front	9mm	Ant 5+7(5)	Full Power	110	5550	1		18.46	20.00	1.426	100.0	1.0	0.05	0.021	0.030
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+7(5)	Extremity Standalone	110	5550	1		18.46	20.00	1.426	100.0	1.0	-0.03	0.148	0.211
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7(5)	Extremity Simultaneous	138	5690	1		16.96	18.50	1.426	99.82	1.002	0.01	0.105	0.150
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5+7(5)	Extremity Standalone	110	5550	1		18.46	20.00	1.426	100.0	1.0	0.05	0.059	0.084
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+7(5)	Extremity Simultaneous	138	5690	1		16.96	18.50	1.426	99.82	1.002	0.10	0.042	0.060
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7(5)	Extremity Standalone	110	5550	1		18.46	20.00	1.426	100.0	1.0	-0.13	0.347	0.495
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7(5)	Extremity Simultaneous	138	5690	1		16.96	18.50	1.426	99.82	1.002	0.03	0.246	0.351
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 5+7(5)	Full Power	110	5550	1		18.46	20.00	1.426	100.0	1.0	0.03	0.014	0.020
101	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Standalone	110	5550	1		18.46	20.00	1.426	100.0	1.0	-0.16	0.970	1.383
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Simultaneous	138	5690	1		16.96	18.50	1.426	99.82	1.002	0.04	0.688	0.983
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	7mm	Ant 5+7(5)	Full Power	110	5550	1		18.46	20.00	1.426	100.0	1.0	0.01	0.026	0.037
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Standalone	110	5550	1	Cover	18.46	20	1.426	100	1	0.02	0.931	1.328
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Standalone	110	5550	2		18.46	20	1.426	100	1	0.17	0.945	1.348
	WLAN5GHz	802.11n-HT40 MCS0	Back	1mm	Ant 5+7(5)	Extremity Standalone	110	5550	1		18.46	20	1.426	100	1	-0.01	0.111	0.158
102	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Standalone	151	5755	1		17.83	19.50	1.469	100.0	1.0	-0.19	1.360	1.998
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Simultaneous	155	5775	1		14.86	16.50	1.459	99.82	1.002	0.13	0.681	0.996

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	WLAN5GHz	802.11n-HT40 MCS0	Top Side	7mm	Ant 5+7(5)	Full Power	151	5755	1		17.83	19.50	1.469	100.0	1.0	0.01	0.204	0.300
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Standalone	151	5755	1	Cover	17.83	19.5	1.469	100	1	-0.18	1.25	1.836
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	Extremity Standalone	151	5755	2		17.83	19.5	1.469	100	1	-0.05	1.21	1.777

【WLAN 6GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Accessory	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)	Measured APD (W/m ²)
103	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 5+7(7)	Extremity Standalone	47	6185	1		15.21	16.50	1.346	99.63	1.004	0.01	0.236	0.319	5.350
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 5+7(7)	Extremity Standalone	47	6185	1		15.21	16.50	1.346	99.63	1.004	0.01	0.029	0.039	0.652
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 5+7(7)	Extremity Standalone	47	6185	1		15.21	16.50	1.346	99.63	1.004	-0.03	0.016	0.022	0.035
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 5+7(7)	Extremity Standalone	47	6185	1		15.21	16.50	1.346	99.63	1.004	0.05	0.100	0.135	2.400
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	0mm	Ant 5+7(7)	Extremity Standalone	47	6185	1		15.21	16.50	1.346	99.63	1.004	0.06	0.177	0.239	4.150
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 5+7(7)	Extremity Standalone	15	6025	1		14.30	16.00	1.479	99.63	1.004	0.04	0.200	0.297	4.490
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 5+7(7)	Extremity Standalone	111	6505	1		14.65	16.00	1.365	99.63	1.004	0.14	0.176	0.241	4.010
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 5+7(7)	Extremity Standalone	143	6665	1		14.72	16.00	1.343	99.63	1.004	-0.11	0.130	0.175	2.880
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 5+7(7)	Extremity Standalone	207	6985	1		12.29	13.50	1.321	99.63	1.004	0.04	0.062	0.082	1.390
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 5+7(7)	Extremity Standalone	47	6185	1	Cover	15.21	16.5	1.346	99.63	1.004	-0.06	0.218	0.295	4.940
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 5+7(7)	Extremity Standalone	47	6185	2		15.21	16.5	1.346	99.63	1.004	0.01	0.222	0.3	5.180

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)
104	Bluetooth	1Mbps	Right Side	0mm	Ant 2	Full Power	0	2402	1	18.40	19.50	1.288	77.07	1.081	0.07	1.030	1.434



16.5 6GHz PD Test Result

<WLAN PD>

Band	Mode	Test Position	Gap (mm)	Antenna	Power state	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 5+7(7)	Standalone	15	6025	1	14.30	0.0625	2.57	0.30	1.170	1.360
WLAN6GHz	802.11ax-HE160 MCS0	Front	8.59mm	Ant 5+7(7)	Standalone	15	6025	1	14.30	0.15	2.40		1.010	0.327
WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 5+7(7)	Standalone	207	6985	1	12.29	0.0625	1.99	0.84	0.806	0.852
WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 5+7(7)	Standalone	207	6985	1	12.29	0.15	1.64		0.602	0.372

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power state	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (λ)	Scaling Factor for measurement uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 5+7(7)	Standalone	15	6025	1	14.30	16.00	1.479	99.63	1.004	0.0625	1.5535	0.09	1.170	2.699	1.360	3.138
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 5+7(7)	Standalone	47	6185	1	15.21	16.50	1.346	99.63	1.004	0.0625	1.5535	0.01	1.290	2.708	2.130	4.471
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 5+7(7)	Standalone	111	6505	1	14.65	16.00	1.365	99.63	1.004	0.0625	1.5535	0.06	1.270	2.703	2.000	4.257
01	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 5+7(7)	Standalone	143	6665	1	14.72	16.00	1.343	99.63	1.004	0.0625	1.5535	-0.06	1.640	3.435	2.150	4.503
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 5+7(7)	Standalone	207	6985	1	12.29	13.50	1.321	99.63	1.004	0.0625	1.5535	0.01	0.806	1.661	0.852	1.756
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 5+7(7)	Standalone	143	6665	2	14.72	16.00	1.343	99.63	1.004	0.0625	1.5535	-0.06	1.510	3.162	2.110	4.419

16.6 Repeated SAR Measurement

【Repeat SAR 1g - FCC】

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)	Ratio
1st	FR1 n66	45M_BPSK_1_1	Front	5.0	Ant 8	DSI 3	349000	1745	20.98	21.80	1.208			-0.09	0.913	1.103	-
2nd	FR1 n66	45M_BPSK_1_1	Front	5.0	Ant 8	DSI 3	349000	1745	20.98	21.80	1.208			0.03	0.895	1.081	1.02
1st	LTE Band 2	20M_QPSK_1_0	Bottom Side	5.0	Ant 8	DSI 7	18900	1880	18.21	19.00	1.199			0.01	0.926	1.110	-
2nd	LTE Band 2	20M_QPSK_1_0	Bottom Side	5.0	Ant 8	DSI 7	18900	1880	18.21	19.00	1.199			0.03	0.918	1.101	1.01
1st	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0.0	Ant 3+2(2)	Head Standalone	6	2437	16.16	18.00	1.528	99.88	1.001	-0.02	0.906	1.386	-
2nd	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0.0	Ant 3+2(2)	Head Standalone	6	2437	16.16	18.00	1.528	99.88	1.001	0.03	0.886	1.355	1.02
1st	FR1 n41	100M_BPSK_135_69	Back	5.0	Ant 8	DSI 3	518598	2592.99	22.16	23.10	1.242			0.07	0.900	1.118	-
2nd	FR1 n41	100M_BPSK_135_69	Back	5.0	Ant 8	DSI 3	518598	2592.99	22.16	23.10	1.242			0.02	0.891	1.107	1.01
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0.0	Ant 5+7(7)	Head Standalone	58	5290	17.24	18.00	1.191	99.82	1.002	-0.03	0.892	1.064	-
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0.0	Ant 5+7(7)	Head Standalone	58	5290	17.24	18.00	1.191	99.82	1.002	0.03	0.882	1.053	1.01
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0.0	Ant 5+7(5)	Head Standalone	138	5690	15.79	17.50	1.483	99.82	1.002	-0.08	0.803	1.193	-
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0.0	Ant 5+7(5)	Head Standalone	138	5690	15.79	17.50	1.483	99.82	1.002	0.04	0.798	1.186	1.01
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0.0	Ant 5+7(5)	Head Standalone	155	5775	13.88	15.50	1.452	99.82	1.002	-0.01	0.813	1.183	-
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0.0	Ant 5+7(5)	Head Standalone	155	5775	13.88	15.50	1.452	99.82	1.002	-0.02	0.806	1.173	1.01

【Repeat SAR 10g - FCC】

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	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Ratio
1st	LTE Band 13	10M_QPSK_1_0	Front	0.0	Ant 1	DSI 6	23230	782	23.58	24.00	1.102			2.080	2.292	-
2nd	LTE Band 13	10M_QPSK_1_0	Front	0.0	Ant 1	DSI 6	23230	782	23.58	24.00	1.102			2.010	2.215	1.03
1st	WCDMA V	RMC 12.2Kbps	Front	0.0	Ant 1	DSI 6	4182	836.4	22.85	23.80	1.245			2.220	2.764	-
2nd	WCDMA V	RMC 12.2Kbps	Front	0.0	Ant 1	DSI 6	4182	836.4	22.85	23.80	1.245			2.180	2.714	1.02
1st	WCDMA IV	RMC 12.2Kbps	Back	0.0	Ant 8	DSI 6	1312	1712.4	22.28	23.20	1.236			2.260	2.793	-
2nd	WCDMA IV	RMC 12.2Kbps	Back	0.0	Ant 8	DSI 6	1312	1712.4	22.28	23.20	1.236			2.240	2.769	1.01
1st	LTE Band 2	20M_QPSK_1_0	Bottom Side	0.0	Ant 8	DSI 6	18900	1880	21.77	22.60	1.211			2.270	2.749	-
2nd	LTE Band 2	20M_QPSK_1_0	Bottom Side	0.0	Ant 8	DSI 6	18900	1880	21.77	22.60	1.211			2.210	2.676	1.03
1st	LTE Band 41	20M_QPSK_1_0	Left Side	0.0	Ant 1	DSI 6	40185	2549.5	23.48	24.00	1.127	62.9	1.006	2.280	2.585	-
2nd	LTE Band 41	20M_QPSK_1_0	Left Side	0.0	Ant 1	DSI 6	40185	2549.5	23.48	24.00	1.127	62.9	1.006	2.230	2.528	1.02

General Note:

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

16.7 TDD LTE/FR1 Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41 and FR1 n41/n77. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

LTE Band 41(HPUE) Ant 1-Linearity Data for Head			LTE Band 41(HPUE) Ant 4-Linearity Data for Head			LTE Band 41(HPUE) Ant 8-Linearity Data for Head		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	20.60	22.20	Maximum Tune up Power (dBm)	15.70	17.30	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.986	0.993	Reported 1g SAR (W/kg)	0.782	0.762	Reported 1g SAR (W/kg)	0.128	0.180
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	72.68	71.86	Frame Averaged (mW)	23.52	23.25	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.975		Linearity SAR (W/kg)	0.773		Linearity SAR (W/kg)	0.175	
% deviation from expected linearity		1.86%	% deviation from expected linearity		-1.45%	% deviation from expected linearity		3.03%
LTE Band 41(HPUE) Ant 1-Linearity Data for Body-worn			LTE Band 41(HPUE) Ant 4-Linearity Data for Body-worn			LTE Band 41(HPUE) Ant 8-Linearity Data for Body-worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.30	23.90	Maximum Tune up Power (dBm)	19.10	20.70	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.942	0.994	Reported 1g SAR (W/kg)	0.776	0.731	Reported 1g SAR (W/kg)	0.807	1.045
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	107.50	106.29	Frame Averaged (mW)	51.45	50.87	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.931		Linearity SAR (W/kg)	0.767		Linearity SAR (W/kg)	1.101	
% deviation from expected linearity		6.72%	% deviation from expected linearity		-4.73%	% deviation from expected linearity		-5.12%
LTE Band 41(HPUE) Ant 1-Linearity Data for Hotspot			LTE Band 41(HPUE) Ant 4-Linearity Data for Hotspot			LTE Band 41(HPUE) Ant 8-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	18.70	20.30	Maximum Tune up Power (dBm)	16.70	18.30	Maximum Tune up Power (dBm)	21.70	23.30
Reported 1g SAR (W/kg)	0.997	0.989	Reported 1g SAR (W/kg)	0.536	0.512	Reported 1g SAR (W/kg)	1.125	1.069
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	46.92	46.40	Frame Averaged (mW)	29.61	29.27	Frame Averaged (mW)	93.63	92.57
Linearity SAR (W/kg)	0.986		Linearity SAR (W/kg)	0.530		Linearity SAR (W/kg)	1.112	
% deviation from expected linearity		0.33%			-3.39%	% deviation from expected linearity		-3.90%
LTE Band 41(HPUE) Ant 1-Linearity Data for Extremity			LTE Band 41(HPUE) Ant 4-Linearity Data for Extremity			LTE Band 41(HPUE) Ant 8-Linearity Data for Extremity		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.90	Maximum Tune up Power (dBm)	21.30	22.90	Maximum Tune up Power (dBm)	24.00	26.80
Reported 10g SAR (W/kg)	2.585	2.719	Reported 10g SAR (W/kg)	2.175	1.983	Reported 10g SAR (W/kg)	2.204	2.661
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	168.46	Frame Averaged (mW)	85.39	84.43	Frame Averaged (mW)	159.00	207.25
Linearity SAR (W/kg)	2.739		Linearity SAR (W/kg)	2.151		Linearity SAR (W/kg)	2.873	
% deviation from expected linearity		-0.72%	% deviation from expected linearity		-7.79%	% deviation from expected linearity		-7.37%



FR1 n41(HPUE) Ant 1-Linearity Data for Head			FR1 n41(HPUE) Ant 4-Linearity Data for Head			FR1 n41(HPUE) Ant 8-Linearity Data for Head		
	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)	17.80	20.80	Maximum Tune up Power (dBm)	14.10	17.10	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.987	0.946	Reported 1g SAR (W/kg)	0.763	0.751	Reported 1g SAR (W/kg)	0.156	0.164
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	60.26	60.11	Frame Averaged (mW)	25.70	25.64	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.985		Linearity SAR (W/kg)	0.761		Linearity SAR (W/kg)	0.156	
% deviation from expected linearity		-3.93%	% deviation from expected linearity		-1.34%	% deviation from expected linearity		5.38%
FR1 n41(HPUE) Ant 1-Linearity Data for Body-worn			FR1 n41(HPUE) Ant 4-Linearity Data for Body-worn			FR1 n41(HPUE) Ant 8-Linearity Data for Body-worn		
	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)	19.30	22.30	Maximum Tune up Power (dBm)	17.00	20.00	Maximum Tune up Power (dBm)	23.10	26.10
Reported 1g SAR (W/kg)	0.988	0.989	Reported 1g SAR (W/kg)	0.773	0.754	Reported 1g SAR (W/kg)	1.118	1.091
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	85.11	84.91	Frame Averaged (mW)	50.12	50.00	Frame Averaged (mW)	204.17	203.69
Linearity SAR (W/kg)	0.986		Linearity SAR (W/kg)	0.771		Linearity SAR (W/kg)	1.115	
% deviation from expected linearity		0.34%	% deviation from expected linearity		-2.23%	% deviation from expected linearity		-2.18%
FR1 n41(HPUE) Ant 1-Linearity Data for Hotspot			FR1 n41(HPUE) Ant 4-Linearity Data for Hotspot			FR1 n41(HPUE) Ant 8-Linearity Data for Hotspot		
	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)	16.20	19.20	Maximum Tune up Power (dBm)	13.70	16.70	Maximum Tune up Power (dBm)	20.40	23.40
Reported 1g SAR (W/kg)	0.978	0.953	Reported 1g SAR (W/kg)	0.539	0.517	Reported 1g SAR (W/kg)	1.114	1.057
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	41.69	41.59	Frame Averaged (mW)	23.44	23.39	Frame Averaged (mW)	109.65	109.39
Linearity SAR (W/kg)	0.976		Linearity SAR (W/kg)	0.538		Linearity SAR (W/kg)	1.111	
% deviation from expected linearity		-2.32%	% deviation from expected linearity		-3.85%	% deviation from expected linearity		-4.89%
FR1 n41(HPUE) Ant 1-Linearity Data for Extremity			FR1 n41(HPUE) Ant 4-Linearity Data for Extremity			FR1 n41(HPUE) Ant 8-Linearity Data for Extremity		
	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)	21.40	24.40	Maximum Tune up Power (dBm)	20.20	23.20	Maximum Tune up Power (dBm)	22.10	25.10
Reported 10g SAR (W/kg)	2.777	2.573	Reported 10g SAR (W/kg)	2.179	1.985	Reported 10g SAR (W/kg)	2.578	2.780
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	138.04	137.71	Frame Averaged (mW)	104.71	104.46	Frame Averaged (mW)	162.18	161.80
Linearity SAR (W/kg)	2.770		Linearity SAR (W/kg)	2.174		Linearity SAR (W/kg)	2.572	
% deviation from expected linearity		-7.13%	% deviation from expected linearity		-8.69%	% deviation from expected linearity		8.09%



FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Head			FR1 n77 Part 270(HPUE) Ant 6-Linearity Data for Head			FR1 n77 Part 270(HPUE) Ant 7-Linearity Data for Head		
	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)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	14.50	17.50	Maximum Tune up Power (dBm)	12.40	15.40	Maximum Tune up Power (dBm)	22.00	25.00
Reported 1g SAR (W/kg)	0.773	0.742	Reported 1g SAR (W/kg)	0.781	0.719	Reported 1g SAR (W/kg)	0.418	0.407
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	28.18	28.12	Frame Averaged (mW)	17.38	17.34	Frame Averaged (mW)	158.49	158.11
Linearity SAR (W/kg)	0.771		Linearity SAR (W/kg)	0.779		Linearity SAR (W/kg)	0.417	
% deviation from expected linearity		-3.78%	% deviation from expected linearity		-7.72%	% deviation from expected linearity		-2.40%
FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Body-worn			FR1 n77 Part 270(HPUE) Ant 6-Linearity Data for Body-worn			FR1 n77 Part 270(HPUE) Ant 7-Linearity Data for Body-worn		
	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)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	18.80	21.80	Maximum Tune up Power (dBm)	16.10	19.10	Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	0.762	0.770	Reported 1g SAR (W/kg)	0.766	0.728	Reported 1g SAR (W/kg)	0.739	0.776
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	75.86	75.68	Frame Averaged (mW)	40.74	40.64	Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	0.760		Linearity SAR (W/kg)	0.764		Linearity SAR (W/kg)	0.737	
% deviation from expected linearity		1.29%	% deviation from expected linearity		-4.74%	% deviation from expected linearity		5.26%
FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Hotspot			FR1 n77 Part 270(HPUE) Ant 6-Linearity Data for Hotspot			FR1 n77 Part 270(HPUE) Ant 7-Linearity Data for Hotspot		
	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)		FR1 n77 Part 270 (Power Class 3)	FR1 n77 Part 270 (Power Class 2)
Maximum Tune up Power (dBm)	16.10	19.10	Maximum Tune up Power (dBm)	10.90	13.90	Maximum Tune up Power (dBm)	14.10	17.10
Reported 1g SAR (W/kg)	0.505	0.531	Reported 1g SAR (W/kg)	0.541	0.515	Reported 1g SAR (W/kg)	0.517	0.538
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	40.74	40.64	Frame Averaged (mW)	12.30	12.27	Frame Averaged (mW)	25.70	25.64
Linearity SAR (W/kg)	0.504		Linearity SAR (W/kg)	0.540		Linearity SAR (W/kg)	0.516	
% deviation from expected linearity		5.40%	% deviation from expected linearity		-4.58%	% deviation from expected linearity		4.31%
FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Extremity			FR1 n77 Part 270(HPUE) Ant 6-Linearity Data for Extremity					
	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)	21.40	24.40	Maximum Tune up Power (dBm)	17.40	20.40			
Reported 10g SAR (W/kg)	2.135	2.059	Reported 10g SAR (W/kg)	2.176	2.004			
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	138.04	137.71	Frame Averaged (mW)	54.95	54.82			
Linearity SAR (W/kg)	2.130		Linearity SAR (W/kg)	2.171				
% deviation from expected linearity		-3.33%	% deviation from expected linearity		-7.69%			



LTE Band 41(HPUE) Ant 1-Linearity Data for Body-worn			LTE Band 41(HPUE) Ant 4-Linearity Data for Body-worn			LTE Band 41(HPUE) Ant 8-Linearity Data for Body-worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.261	0.356	Reported 1g SAR (W/kg)	0.467	0.623	Reported 1g SAR (W/kg)	0.286	0.363
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.356		Linearity SAR (W/kg)	0.637		Linearity SAR (W/kg)	0.390	
% deviation from expected linearity		-0.06%	% deviation from expected linearity		-2.26%	% deviation from expected linearity		-7.01%
FR1 n41(HPUE) Ant 1-Linearity Data for Body-worn			FR1 n41(HPUE) Ant 4-Linearity Data for Body-worn			FR1 n41(HPUE) Ant 8-Linearity Data for Body-worn		
	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)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.371	0.379	Reported 1g SAR (W/kg)	0.799	0.789	Reported 1g SAR (W/kg)	0.330	0.319
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)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.370		Linearity SAR (W/kg)	0.797		Linearity SAR (W/kg)	0.329	
% deviation from expected linearity		2.40%	% deviation from expected linearity		-1.02%	% deviation from expected linearity		-3.10%
FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Body-worn			FR1 n77 Part 270(HPUE) Ant 6-Linearity Data for Body-worn			FR1 n77 Part 270(HPUE) Ant 7-Linearity Data for Body-worn		
	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)		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	Maximum Tune up Power (dBm)	22.00	25.00
Reported 1g SAR (W/kg)	0.479	0.473	Reported 1g SAR (W/kg)	0.649	0.636	Reported 1g SAR (W/kg)	0.260	0.256
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)	251.19	250.59	Frame Averaged (mW)	158.49	158.11
Linearity SAR (W/kg)	0.478		Linearity SAR (W/kg)	0.647		Linearity SAR (W/kg)	0.259	
% deviation from expected linearity		-1.02%	% deviation from expected linearity		-1.77%	% deviation from expected linearity		-1.30%
LTE Band 41(HPUE) Ant 1-Linearity Data for Extremity			LTE Band 41(HPUE) Ant 4-Linearity Data for Extremity			LTE Band 41(HPUE) Ant 8-Linearity Data for Extremity		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	0.186	0.255	Reported 10g SAR (W/kg)	0.550	0.703	Reported 10g SAR (W/kg)	0.376	0.537
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.254		Linearity SAR (W/kg)	0.751		Linearity SAR (W/kg)	0.513	
% deviation from expected linearity		0.45%	% deviation from expected linearity		-6.35%	% deviation from expected linearity		4.64%
FR1 n41(HPUE) Ant 1-Linearity Data for Extremity			FR1 n41(HPUE) Ant 4-Linearity Data for Extremity			FR1 n41(HPUE) Ant 8-Linearity Data for Extremity		
	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)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	0.283	0.296	Reported 10g SAR (W/kg)	1.122	1.130	Reported 10g SAR (W/kg)	0.475	0.459
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)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.282		Linearity SAR (W/kg)	1.119		Linearity SAR (W/kg)	0.474	
% deviation from expected linearity		4.84%	% deviation from expected linearity		0.95%	% deviation from expected linearity		-3.14%
FR1 n77 Part 270(HPUE) Ant 4-Linearity Data for Extremity			FR1 n77 Part 270(HPUE) Ant 6-Linearity Data for Extremity					
	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 10g SAR (W/kg)	0.367	0.380	Reported 10g SAR (W/kg)	1.010	0.993			
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)	0.366		Linearity SAR (W/kg)	1.008				
% deviation from expected linearity		3.79%	% deviation from expected linearity		-1.45%			

17. Simultaneous Transmission Analysis

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

General Note:

- This device supports VoIP in GPRS, EGPRS, 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 GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation.
- Qualcomm Smart Transmit algorithm support to WWAN except WIFI/BT and NFC. And this device supports inter-band ULCA and EN-DC combination operations with component carriers from different antenna groups. Each antenna group has controlled the total RF exposure from all transmitter to not exceed FCC limit. Therefore, in this report, it is evaluated whether the sum of the groups of each antenna does not exceed FCC limit or spatial separation is applied. In addition, each antenna group need to satisfy simultaneous transmission analysis with External radios (WIFI/BT and NFC) in this report.
- This device WLAN 2.4GHz support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only). WLAN 6GHz has no hotspot function.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously.
- According to the EUT characteristic, WLAN 2.4GHz and Bluetooth cannot transmit simultaneously.
- 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 cannot transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz cannot transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
- 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.
- 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.

- iii) 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 17.6.

17.1 Sub6 Antenna Groups

Qualcomm® Smart Transmit™ 5.0 of Smart Transmit (GEN2) Feature operates based on pre-defined sub6 antenna groups (AG). Sub6 Tx antennas in the device are grouped based on spatial variation of RF exposure distributions, where the RF exposure of one AG is mutually exclusive from other AG. This is accomplished by demonstrating below conditions for all exposure positions under each DSI for a given exposure category.

- 1) Case 1: Demonstrate that Sum of maximum reported SAR from each of the sub6 AGs and the reported normalized SAR values from radios outside Smart Transmit should be less than regulatory limits for each supported DSI. This condition must be demonstrated for all antenna combinations of sub6 AGs.
 - i. For a given DSI, obtain the highest *reported* SAR for each antenna out of all supported technologies and frequency bands. Obtain the maximum *reported* SAR for each AG by taking the maximum out of *reported* SAR for all antennas belonging to each AG.
 - ii. Demonstrate that the sum of maximum reported SAR (normalized to regulatory limit) from each of the sub6 AGs and the sum of reported SAR (normalized to regulatory limit) from all supported radios outside of Smart Transmit should be less than 1.0
- 2) Case 2: If the Case 1 is NOT met, then for a given antenna grouping scheme plus external radios/antennas (ERs) (referred to as 'configuration'), demonstrate all AG pairs, all ER pairs and all (AG, ER) pairs in the configuration meet SPLSR criteria (Section 4.3.2 (c) in FCC KDB 447498 D01 v06) for each exposure position under each supported DSI. For a given exposure position under a given DSI, prove all AG pairs, all ER pairs and all (AG, ER) pairs (if there are external radios outside Smart Transmit) in the configuration meet SPLSR.
- 3) Case 3: When One or more antenna(s) can be placed as shared antenna(s) among multiple AGs as described in this Section. Repeat the same procedure to check if the new antenna grouping scheme (using shared antenna) with all supported external radios meets Case 1 or Case 2 so that each AG in the new antenna grouping scheme can operate independently.
 - a) For antenna grouping, only Case 1 or Case 2 (not both) needs to be met for each exposure position of all supported DSIs under a given exposure category. To further clarify, only one of the two conditions (either Case 1 or Case 2) should be used for a given exposure position to demonstrate RF exposure is mutually exclusive among all antenna groups (including external radios). In other words, a combination of Case 1 and Case 2 CANNOT be used for a given exposure position, i.e., mutual exclusivity between AGs CANNOT be demonstrated by using Case 1 for some antenna combinations and using Case 2 for remaining antenna combinations.
 - b) New antenna grouping analysis with one or more antenna(s) as a shared antenna (sAnt). AG0, AG1 and WLAN must be demonstrated to transmit independently with a shared antenna (sAnt) configured in AG0/AG1. The TER for simultaneous analysis for sub6 radios should be given by the sum of these RF exposures meets (i) and (ii) :
 - i. $\{ [\max.SAR.without.sAnt.AG0 + \max.SAR.without.sAnt.AG1] + \text{WIFI/BT worst-case reported SAR} \} \leq 1.6$ (for 1g, or 4.0 for 10g).
 - ii. $\{ [\max.SAR.sAnt] + \text{WIFI/BT worst-case reported SAR} \} \leq 1.6$ (for 1g, or 4.0 for 10g).
 - c) For a given exposure position under a given DSI, prove all AG pairs, all ER pairs and all (AG, ER) pairs (if there are external radios outside Smart Transmit) in the configuration meet SPLSR.

This device supports two sub6 AG: AG0 and AG1, the detailed please refer to the below table:

Antenna Group 0 (AG0)	ANT1 & ANT3 & ANT4 & ANT5 & ANT6 & ANT7
Antenna Group 1 (AG1)	ANT0 & ANT1 & ANT8

Note: Ant1 as shared antennas (sAnt) among AG0 and AG1.

The conditions are verified through the following criterias:

- i) (SAR1 + SAR2 criteria): If SPLSR criteria is not used, then the highest reported SAR at *Plimit* for each antenna should be obtained out of all supported technologies and frequency bands for each DSI. Demonstrate that the sum of reported SAR of one antenna from each of the sub6 AGs and the sum of RF exposure from all supported radios outside of Smart Transmit should be less than the regulatory limit as given below for each DSI.
 1. Obtain the worst-case reported SAR for each antenna group (i.e., maximum *reported* SAR at *Plimit* out of all supported technologies, frequency bands and antennas in AG0 and AG1), denoted as max.SAR.AG0 and max.SAR.AG1, and obtain the worst-case RF exposure for each external radio, and demonstrate that the sum of these RF exposures meets: $\{ [\text{max.SAR.AG0} + \text{max.SAR.AG1}] + \text{WIFI/BT worst-case reported SAR} \} \leq 1.6$ (for 1g, or 4.0 for 10g). (WIFI/BT worst-case reported SAR is the worst SAR in all combinations of WIFI and BT simultaneous transmission)
- ii) (SPLSR criteria): For each antenna, obtain the highest reported SAR value at *Plimit* out of all supported technologies for each frequency band. Using these values, demonstrate for a given DSI that every antenna from one sub6 AG meets SPLSR criteria with every antenna in another sub6 AG for all frequency bands. This criteria must be demonstrated for all antenna pair combinations irrespective of supported simultaneous transmission scenarios as given below for each DSI:
 - a. SPLSR criteria should be met for all antenna pair combinations of AG0 and AG1. As it can be seen, these include all combinations of antenna groups, antennas, and frequency bands.
 - b. Obtain combined SAR per AG: Obtain the worst-case conservative combined SAR and its peak location for each AG.
 - c. Use the 'closest' peak location out of all antennas of AGj to evaluate SPLSR with other AGs in the configuration. Note, by 'closest', select the peak location out of all antennas ($\in$ AGj) that is closest to the peak location of other AG where SPLSR is evaluated.
- iii) (combination of SPLSR & SAR1+SAR2 criteria): If SPLSR criteria for all the combinations of sub6 antenna groups in (i) is demonstrated to show that each AG is mutually exclusive from other AGs, and if the WIFI/BT antennas supported outside of Smart Transmit do not meet SPLSR criteria, then the condition in (ii) reduces to: $\{ \text{max.SAR.AG0} + \text{worst-case reported SAR} \} \leq 1.6$ and $\{ \text{max.SAR.AG1} + \text{worst-case reported SAR} \} \leq 1.6$ for compliance demonstration (for 1g, or 4.0 for 10g).

For summed SAR results and SPLSR detailed analysis, please refer to section 17.2/ 17.3 / 17.4 / 17.5 / 17.6 of this report. All of the combinations of sub6 antenna groups are sufficient to show that AG0 is mutually exclusive from AG1 and that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528- 2013 Section 6.3.4.1.

17.2 Head Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

<AG0 maximum reported SAR>:

Test Position	Ant3	Ant4	Ant5	Ant6	Ant7	MAX
Right Cheek	0.240	0.782	0.168	0.781	0.385	0.782
Right Tilted	0.172	0.670	0.211	0.158	0.418	0.670
Left Cheek	0.771	0.449	0.776	0.119	0.319	0.776
Left Tilted	0.517	0.492	0.589	0.064	0.408	0.589

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant8	MAX
Right Cheek	0.169	0.228	0.228
Right Tilted	0.109	0.123	0.123
Left Cheek	0.183	0.251	0.251
Left Tilted	0.078	0.142	0.142

<sAnt maximum reported SAR>:

Test Position	Ant1	MAX
Right Cheek	0.723	0.723
Right Tilted	0.157	0.157
Left Cheek	0.994	0.994
Left Tilted	0.165	0.165

<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR>:

NO	1	2	3	4			
Test Position	WLAN2.4GHz Ant3+2 Simultaneous	WLAN5GHz Ant5+7 Simultaneous	WLAN6GHz Ant5+7 Simultaneous	Bluetooth Ant2	2+4	3+4	WLAN+BT worse case
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Right Cheek	0.169	0.137	0.077	0.119	0.256	0.196	0.256
Right Tilted	0.157	0.148	0.080	0.025	0.173	0.105	0.173
Left Cheek	0.378	0.382	0.278	0.274	0.656	0.552	0.656
Left Tilted	0.310	0.236	0.212	0.058	0.294	0.270	0.310

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:

Test Position	AG0	AG1	WLAN/BT worst case	AG0+AG1+WLAN +BT worse case
	1g SAR (W/kg)	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Right Cheek	0.782	0.228	0.256	1.27
Right Tilted	0.670	0.123	0.173	0.97
Left Cheek	0.776	0.251	0.656	1.68
Left Tilted	0.589	0.142	0.310	1.04

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Left Cheek					
Ant combination	AG1	AG0	WLAN/BT worst case	AG0+AG1+WLAN +BT worst case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant3	0.183	0.771	0.656	1.61	Case 1
Ant0-Ant4	0.183	0.449	0.656	1.29	-
Ant0-Ant5	0.183	0.776	0.656	1.62	Case 2
Ant0-Ant6	0.183	0.119	0.656	0.96	-
Ant0-Ant7	0.183	0.319	0.656	1.16	-
Ant8-Ant3	0.251	0.771	0.656	1.68	Case 3
Ant8-Ant4	0.251	0.449	0.656	1.36	-
Ant8-Ant5	0.251	0.776	0.656	1.68	Case 4
Ant8-Ant6	0.251	0.119	0.656	1.03	-
Ant8-Ant7	0.251	0.319	0.656	1.23	-

<Simultaneous Transmission analysis of sAnt + WLAN+BT Worse-case>:

Test Position	Ant1	WLAN/BT worst case	Ant 1+WLAN+BT worse case
	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Right Cheek	0.723	0.256	0.98
Right Tilted	0.157	0.173	0.33
Left Cheek	0.994	0.656	1.65
Left Tilted	0.165	0.310	0.48

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Left Cheek				
Ant combination	Ant1	WLAN/BT worst case	Ant 1+WLAN+BT worse case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
	0.994	0.656	1.65	Case 5

<Simultaneous Transmission analysis of WLAN/BT only and WWAN cell-off>:

Test Position	WLAN5GHz Ant 5+7 Standalone	WLAN6GHz Ant 5+7 Standalone	Bluetooth Ant 2	WLAN5GHz Ant5+7 +Bluetooth Ant 2	WLAN6GHz Ant5+7 +Bluetooth Ant 2
Right Cheek	0.436	0.150	0.119	0.555	0.269
Right Tilted	0.474	0.155	0.025	0.499	0.180
Left Cheek	1.193	0.545	0.274	1.467	0.819
Left Tilted	0.758	0.416	0.058	0.816	0.474

17.3 Hotspot Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

<AG0 maximum reported SAR>:

Test Position	Ant3	Ant4	Ant5	Ant6	Ant7	MAX
Front	0.541	0.546	0.439	0.256	0.150	0.546
Back	0.527	0.538	0.136	0.135	0.538	0.538
Left Side	0.082	0.539	0.027	0.541	0.047	0.541
Right Side	0.519	0.064	0.531	0.005	0.114	0.531
Top Side	0.774	0.540	0.296	0.034	0.305	0.774

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant8	MAX
Front	0.540	0.790	0.790
Back	0.688	0.799	0.799
Left Side	0.229	0.333	0.333
Right Side	0.924	0.135	0.924
Bottom Side	0.614	1.126	1.126

<sAnt maximum reported SAR>:

Test Position	Ant1	MAX
Front	0.831	0.831
Back	0.582	0.582
Left Side	1.004	1.004
Right Side	0.048	0.048
Top Side	0.031	0.031

<WLAN2.4GHz/5GHz+BT Worse-case SAR>:

NO	1	2	3		
Test Position	WLAN2.4GHz Ant3+2 Simultaneous	WLAN5GHz Ant5+7 Simultaneous	Bluetooth Ant2	2+3	WLAN+BT worse case
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.500	0.410	0.179	0.589	0.589
Back	0.611	0.634	0.178	0.812	0.812
Left Side	0.033	0.033	0.003	0.036	0.036
Right Side	0.634	0.331	0.289	0.620	0.634
Top Side	0.569	0.564	0.037	0.601	0.601

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:

Test Position	AG0	AG1	WLAN/BT worst case	AG0+AG1+WLAN +BT worse case
	1g SAR (W/kg)	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.546	0.790	0.589	1.93
Back	0.538	0.799	0.812	2.15
Left Side	0.541	0.333	0.036	0.91
Right Side	0.531	0.924	0.634	2.09
Top Side	0.774		0.601	1.38
Bottom Side		1.126		1.13

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Front					
Ant combination	AG1	AG0	WLAN/BT worst case	AG0+AG1+WLAN +BT worst case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant3	0.540	0.541	0.589	1.67	Case 1
Ant0-Ant4	0.540	0.546	0.589	1.68	Case 2
Ant0-Ant5	0.540	0.439	0.589	1.57	-
Ant0-Ant6	0.540	0.256	0.589	1.39	-
Ant0-Ant7	0.540	0.150	0.589	1.28	-
Ant8-Ant3	0.790	0.541	0.589	1.92	Case 3
Ant8-Ant4	0.790	0.546	0.589	1.93	Case 4
Ant8-Ant5	0.790	0.439	0.589	1.82	Case 5
Ant8-Ant6	0.790	0.256	0.589	1.64	Case 6
Ant8-Ant7	0.790	0.150	0.589	1.53	-

Back					
Ant combination	AG1	AG0	WLAN/BT worst case	AG0+AG1+WLAN +BT worst case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant3	0.688	0.527	0.812	2.03	Case 7
Ant0-Ant4	0.688	0.538	0.812	2.04	Case 8
Ant0-Ant5	0.688	0.136	0.812	1.64	Case 9
Ant0-Ant6	0.688	0.135	0.812	1.64	Case 10
Ant0-Ant7	0.688	0.538	0.812	2.04	Case 11
Ant8-Ant3	0.799	0.527	0.812	2.14	Case 12
Ant8-Ant4	0.799	0.538	0.812	2.15	Case 13
Ant8-Ant5	0.799	0.136	0.812	1.75	Case 14
Ant8-Ant6	0.799	0.135	0.812	1.75	Case 15
Ant8-Ant7	0.799	0.538	0.812	2.15	Case 16

Right Side					
Ant combination	AG1	AG0	WLAN/BT worst case	AG0+AG1+WLAN +BT worst case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant3	0.924	0.519	0.634	2.08	Case 17
Ant0-Ant4	0.924	0.064	0.634	1.62	Case 18
Ant0-Ant5	0.924	0.531	0.634	2.09	Case 19
Ant0-Ant6	0.924	0.005	0.634	1.56	-
Ant0-Ant7	0.924	0.114	0.634	1.67	Case 20
Ant8-Ant3	0.135	0.519	0.634	1.29	-
Ant8-Ant4	0.135	0.064	0.634	0.83	-
Ant8-Ant5	0.135	0.531	0.634	1.30	-
Ant8-Ant6	0.135	0.005	0.634	0.77	-
Ant8-Ant7	0.135	0.114	0.634	0.88	-

<Simultaneous Transmission analysis of sAnt + WLAN+BT Worse-case>:

Test Position	Ant1	WLAN/BT worst case	Ant1+WLAN +BT worse case
	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.831	0.589	1.42
Back	0.582	0.812	1.39
Left Side	1.004	0.036	1.04
Right Side	0.048	0.634	0.68
Top Side	0.031	0.601	0.63

17.4 Body-Worn Accessory Exposure Conditions

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

<AG0 maximum reported SAR>:

Test Position	Ant3	Ant4	Ant5	Ant6	Ant7	MAX
Front	0.763	0.778	0.781	0.773	0.226	0.781
Back	0.354	0.778	0.242	0.446	0.776	0.778

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant8	MAX
Front	0.540	1.119	1.119
Back	0.687	1.121	1.121

<sAnt maximum reported SAR>:

Test Position	Ant1	MAX
Front	0.996	0.996
Back	0.837	0.837

<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR>:

NO	1	2	3	4			
Test Position	WLAN2.4GHz Ant3+2 Simultaneous	WLAN5GHz Ant5+7 Simultaneous	WLAN6GHz Ant5+7 Simultaneous	Bluetooth Ant2	2+4	3+4	WLAN+BT worse case
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.316	0.337	0.123	0.289	0.626	0.412	0.626
Back	0.396	0.392	0.274	0.286	0.678	0.560	0.678

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:

Test Position	AG0	AG1	WLAN/BT worst case	AG0+AG1+WLAN +BT worse case
	1g SAR (W/kg)	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.781	1.119	0.626	2.53
Back	0.778	1.121	0.678	2.58

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Front					
Ant combination	AG1	AG0	WLAN/BT worst case	AG0+AG1+WLAN +BT worst case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant3	0.540	0.763	0.626	1.93	Case 1
Ant0-Ant4	0.540	0.778	0.626	1.94	Case 2
Ant0-Ant5	0.540	0.781	0.626	1.95	Case 3
Ant0-Ant6	0.540	0.773	0.626	1.94	Case 4
Ant0-Ant7	0.540	0.226	0.626	1.39	-
Ant8-Ant3	1.119	0.763	0.626	2.51	Case 5
Ant8-Ant4	1.119	0.778	0.626	2.52	Case 6
Ant8-Ant5	1.119	0.781	0.626	2.53	Case 7
Ant8-Ant6	1.119	0.773	0.626	2.52	Case 8
Ant8-Ant7	1.119	0.226	0.626	1.97	Case 9

Back					
Ant combination	AG1	AG0	WLAN/BT worst case	AG0+AG1+WLAN +BT worst case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant0-Ant3	0.687	0.354	0.678	1.72	Case 10
Ant0-Ant4	0.687	0.778	0.678	2.14	Case 11
Ant0-Ant5	0.687	0.242	0.678	1.61	Case 12
Ant0-Ant6	0.687	0.446	0.678	1.81	Case 13
Ant0-Ant7	0.687	0.776	0.678	2.14	Case 14
Ant8-Ant3	1.121	0.354	0.678	2.15	Case 15
Ant8-Ant4	1.121	0.778	0.678	2.58	Case 16
Ant8-Ant5	1.121	0.242	0.678	2.04	Case 17
Ant8-Ant6	1.121	0.446	0.678	2.25	Case 18
Ant8-Ant7	1.121	0.776	0.678	2.58	Case 19

<Simultaneous Transmission analysis of sAnt + WLAN+BT Worse-case>:

Test Position	Ant1	WLAN/BT worst case	Ant1+WLAN +BT worse case
	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.996	0.626	1.62
Back	0.837	0.678	1.52

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Front				
Ant combination	Ant1	WLAN/BT worst case	Ant1 +WLAN +BT worst case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
	0.996	0.626	1.62	Case 20

<Simultaneous Transmission analysis of WLAN/BT only and WWAN cell-off>:

Test Position	WLAN5GHz Ant 5+7 Standalone	WLAN6GHz Ant 5+7 Standalone	Bluetooth Ant 2	WLAN5GHz Ant5+7 +Bluetooth Ant 2	WLAN6GHz Ant5+7 +Bluetooth Ant 2
Front	1.071	0.123	0.289	1.360	0.412
Back	1.128	0.274	0.286	1.414	0.560

<Sensor off>

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT:
<AG0 maximum reported SAR>:

Test Position	Ant3	Ant4	Ant5	Ant6	Ant7	MAX
Front	0.125	0.739	0.177	0.646	0.043	0.739
Back	0.170	0.799	0.167	0.717	0.260	0.799

<AG1 maximum reported SAR>:

Test Position	Ant8	MAX
Front	0.774	0.774
Back	0.791	0.791

<sAnt maximum reported SAR>:

Test Position	Ant1	MAX
Front	0.792	0.792
Back	0.729	0.729

<WLAN2.4GHz/5GHz+BT Worse-case SAR>:

NO	1	2	3	2+3	WLAN+BT worse case
Test Position	WLAN2.4GHz Ant3+2 Simultaneous	WLAN5GHz Ant5+7 Simultaneous	Bluetooth Ant2		
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.438	0.328	0.160	0.488	0.488
Back	0.262	0.234	0.114	0.348	0.348

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:

Test Position	AG0	AG1	WLAN/BT worst case	AG0+AG1+WLAN +BT worse case
	1g SAR (W/kg)	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.739	0.774	0.488	2.00
Back	0.799	0.791	0.348	1.94

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Front					
Ant combination	AG1	AG0	WLAN/BT worst case	AG0+AG1+WLAN +BT worst case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant8-Ant3	0.774	0.125	0.488	1.39	-
Ant8-Ant4	0.774	0.739	0.488	2.00	Case 21
Ant8-Ant5	0.774	0.209	0.488	1.47	-
Ant8-Ant6	0.774	0.646	0.488	1.91	Case 22
Ant8-Ant7	0.774	0.043	0.488	1.31	-

Back					
Ant combination	AG1	AG0	WLAN/BT worst case	AG0+AG1+WLAN +BT worst case	Note
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant8-Ant3	0.791	0.170	0.348	1.31	-
Ant8-Ant4	0.791	0.799	0.348	1.94	Case 23
Ant8-Ant5	0.791	0.167	0.348	1.31	-
Ant8-Ant6	0.791	0.717	0.348	1.86	Case 24
Ant8-Ant7	0.791	0.260	0.348	1.40	-

<Simultaneous Transmission analysis of sAnt + WLAN+BT Worse-case>:

Test Position	Ant1	WLAN/BT worst case	Ant1+WLAN +BT worse case
	1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Front	0.792	0.488	1.28
Back	0.729	0.348	1.08

17.5 Product specific 10g SAR Exposure Conditions

Remark:

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

General Note: The unit of SAR evaluation is W/kg.

Simultaneous Transmission Evaluation of WWAN+WLAN+BT+NFC:
<AG0 maximum reported SAR>:

Test Position	Ant3	Ant4	Ant5	Ant6	Ant7	MAX
Front	2.163	2.179	1.178	1.999		2.179
Back		2.025		0.574		2.025
Left Side		1.274		2.183		2.183
Right Side			1.100			1.100
Top Side		2.176				2.176

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant8	MAX
Front		2.682	2.682
Back		2.793	2.793
Left Side			0.000
Right Side			0.000
Bottom Side		2.780	2.780

<sAnt maximum reported SAR>:

Test Position	Ant1	MAX
Front	2.764	2.764
Back	2.638	2.638
Left Side	2.777	2.777
Right Side		0.000
Top Side		0.000

<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR>:

NO	1	2	3	4			
Test Position	WLAN2.4GHz Ant3+2 Simultaneous	WLAN5GHz Ant5+7 Simultaneous	WLAN6GHz Ant5+7 Simultaneous	Bluetooth Ant2	2+4	3+4	WLAN+BT worse case
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
Front		0.712	0.319		0.712	0.319	0.712
Back	0.369	0.172	0.039		0.172	0.039	0.369
Left Side		0.064	0.022		0.064	0.022	0.064
Right Side	0.989	0.351	0.135	1.434	1.785	1.569	1.785
Top Side		0.996	0.239		0.996	0.239	0.996
Bottom Side					0.000	0.000	0.001

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT + NFC Worse-case>:

Test Position	AG0	AG1	WLAN/BT worst case	NFC	AG0+AG1+WLAN+BT worse case+NFC
	10g SAR (W/kg)	10g SAR (W/kg)	Summed 10g SAR (W/kg)	10g SAR (W/kg)	Summed 10g SAR (W/kg)
Front	2.179	2.682	0.712	0.001	5.57
Back	2.025	2.793	0.369	0.003	5.19
Left Side	2.183	0.000	0.064	0.001	2.25
Right Side	1.100	0.000	1.785	0.001	2.89
Top Side	2.176		0.996	0.001	3.17
Bottom Side		2.780		0.001	2.78

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

Front						
Ant combination	AG1	AG0	WLAN/BT worst case	NFC	AG0+AG1+WLAN +BT worst case+NFC	Note
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
Ant0-Ant3		2.163	0.712	0.001	2.88	-
Ant0-Ant4		2.179	0.712	0.001	2.89	-
Ant0-Ant5		1.447	0.712	0.001	2.16	-
Ant0-Ant6		1.999	0.712	0.001	2.71	-
Ant0-Ant7			0.712	0.001	0.71	-
Ant8-Ant3	2.682	2.163	0.712	0.001	5.56	Case 1
Ant8-Ant4	2.682	2.179	0.712	0.001	5.57	Case 2
Ant8-Ant5	2.682	1.447	0.712	0.001	4.84	Case 3
Ant8-Ant6	2.682	1.999	0.712	0.001	5.39	Case 4
Ant8-Ant7	2.682		0.712	0.001	3.40	-

Back						
Ant combination	AG1	AG0	WLAN/BT worst case	NFC	AG0+AG1+WLAN +BT worst case+NFC	Note
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
Ant0-Ant3			0.369	0.003	0.37	-
Ant0-Ant4		2.025	0.369	0.003	2.40	-
Ant0-Ant5			0.369	0.003	0.37	-
Ant0-Ant6		0.574	0.369	0.003	0.95	-
Ant0-Ant7			0.369	0.003	0.37	-
Ant8-Ant3	2.793		0.369	0.003	3.17	-
Ant8-Ant4	2.793	2.025	0.369	0.003	5.19	Case 5
Ant8-Ant5	2.793		0.369	0.003	3.17	-
Ant8-Ant6	2.793	0.574	0.369	0.003	3.74	-
Ant8-Ant7	2.793		0.369	0.003	3.17	-

<Simultaneous Transmission analysis of sAnt + NFC Worse-case>:

Test Position	Ant1	WLAN/BT worst case	NFC	Ant1 +WLAN +BT worse case+NFC
	10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
Front	2.764	0.712	0.001	3.48
Back	2.638	0.369	0.003	3.01
Left Side	2.777	0.064	0.001	2.84
Right Side	0.000	1.785	0.001	1.79
Top Side	0.000	0.996	0.001	1.00
Bottom Side	0.000	0.001	0.001	0.00

<Simultaneous Transmission analysis of WLAN/BT+NFC only and WWAN cell-off >:

Test Position	WLAN5GHz Ant 5+7 Standalone	WLAN6GHz Ant 5+7 Standalone	Bluetooth Ant 2	NFC	WLAN5GHz Ant5+7 +Bluetooth Ant 2+NFC	WLAN6GHz Ant5+7 +Bluetooth Ant 2+NFC
Front	0.951	0.319		0.001	0.952	0.320
Back	0.231	0.039		0.003	0.234	0.042
Left Side	0.084	0.022		0.001	0.085	0.023
Right Side	0.495	0.135	1.434	0.001	1.930	1.570
Top Side	1.998	0.239		0.001	1.999	0.240

<Sensor off>
<AG0 maximum reported SAR>:

Test Position	Ant3	Ant4	Ant5	Ant6	Ant7	MAX
Front		0.291		0.475		0.475
Back				1.010		1.010
Left Side				0.568		0.568
Right Side						0.000
Top Side		0.380				0.380

<AG1 maximum reported SAR>:

Test Position	Ant0	Ant8	MAX
Front		0.605	0.605
Back		0.646	0.646
Left Side			0.000
Right Side			0.000
Bottom Side		0.927	0.927

<sAnt maximum reported SAR>:

Test Position	Ant1	MAX
Front 0mm	0.485	0.485
Back 0mm	0.382	0.382
Left Side 0mm	0.518	0.518
Right Side 0mm		0.000
Top Side 0mm		0.000

<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR>:

NO	1	2	3	4			
Test Position	WLAN2.4GHz Ant3+2 Simultaneous	WLAN5GHz Ant5+7 Simultaneous	WLAN6GHz Ant5+7 Simultaneous	Bluetooth Ant2	2+4	3+4	WLAN+BT worse case
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
Front		0.064			0.064	0.000	0.064
Back	0.565	0.195			0.195	0.000	0.565
Left Side					0.000	0.000	0.000
Right Side	0.205	0.049			0.049	0.000	0.205
Top Side		0.300			0.300	0.000	0.300
Bottom Side					0.000	0.000	0.000

<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT + NFC Worse-case>:

Test Position	AG0	AG1	WLAN/BT worst case	AG0+AG1+WLAN +BT worse case
	10g SAR (W/kg)	10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
Front	0.475	0.605	0.064	1.14
Back	1.010	0.646	0.565	2.22
Left Side	0.568	0.000	0.000	0.57
Right Side	0.000	0.000	0.205	0.21
Top Side	0.380		0.300	0.68
Bottom Side		0.927		0.93

<Simultaneous Transmission analysis of sAnt + NFC Worse-case>:

Test Position	Ant1	WLAN/BT worst case	AG1+AG0+WLAN +BT worse case
	10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
Front 0mm	0.485	0.064	0.55
Back 0mm	0.382	0.565	0.95
Left Side 0mm	0.518	0.000	0.52
Right Side 0mm	0.000	0.205	0.21
Top Side 0mm	0.000	0.300	0.30
Bottom Side 0mm	0.000	0.000	0.00

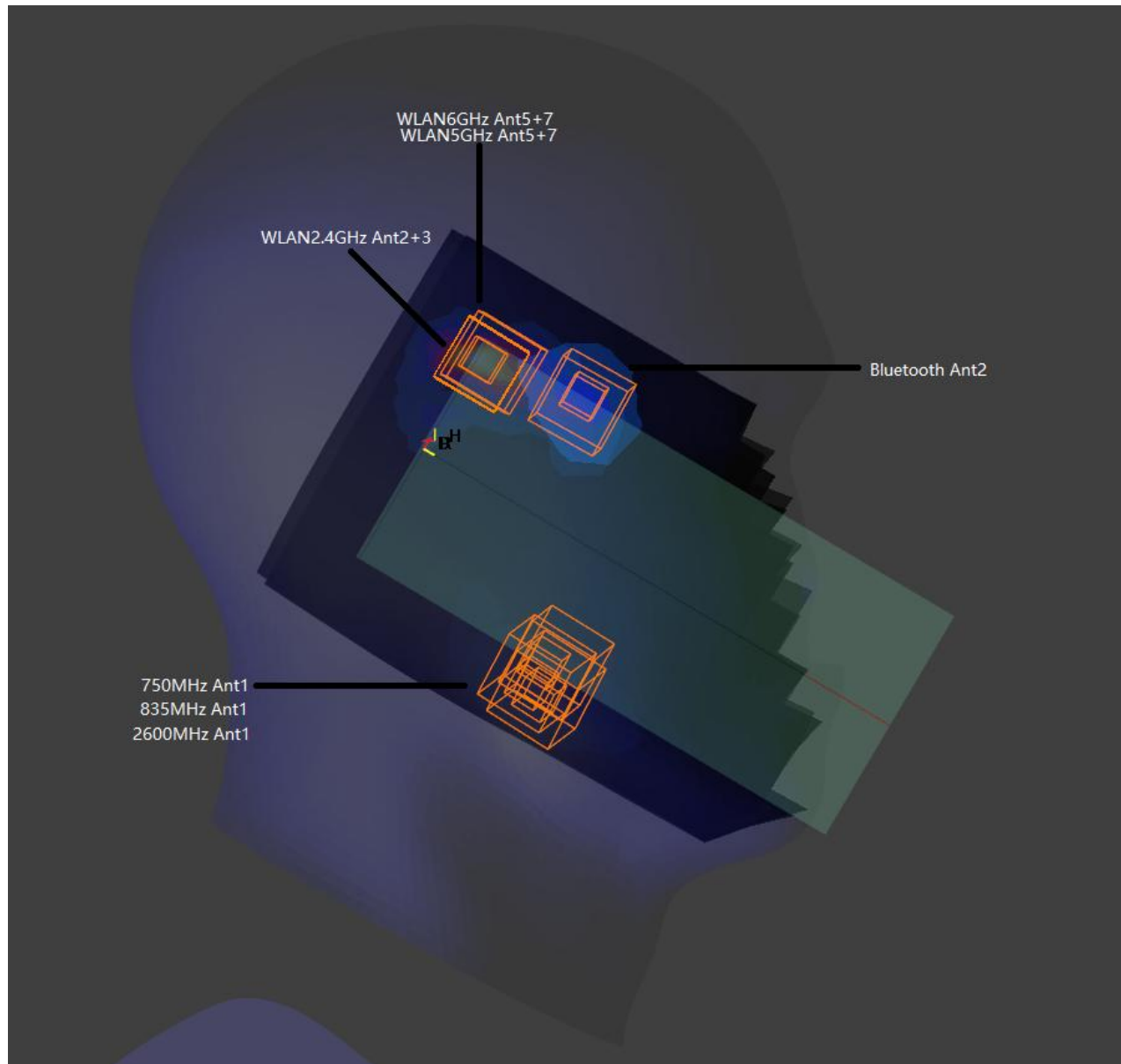
<Simultaneous Transmission analysis of WLAN/BT+NFC only and WWAN cell-off >:

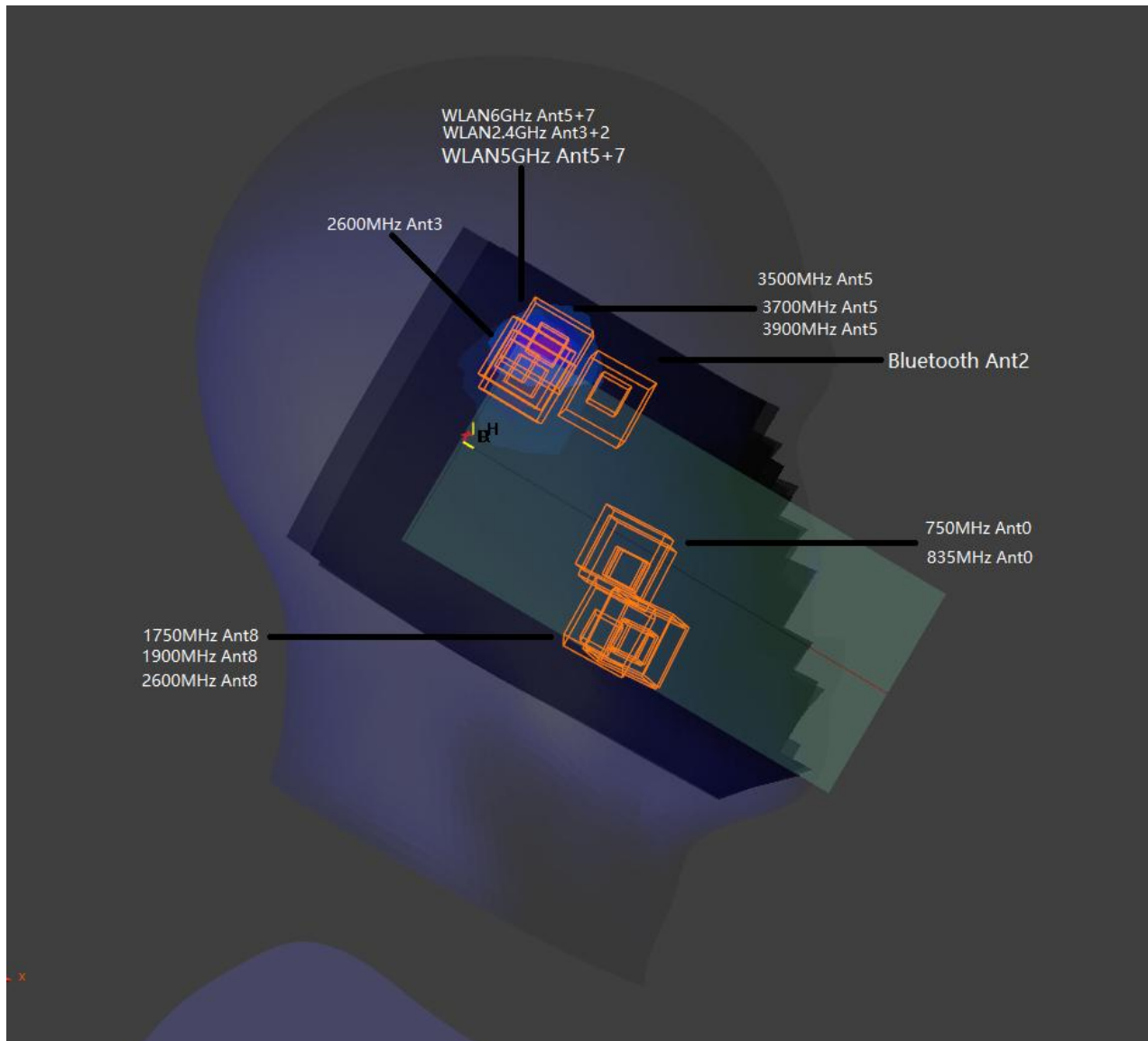
NO	1	2	3	4			
Test Position	WLAN2.4GHz Ant3+2 Simultaneous	WLAN5GHz Ant5+7 Simultaneous	WLAN6GHz Ant5+7 Simultaneous	Bluetooth Ant2	2+4	3+4	WLAN+BT worse case
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
Front 0mm		0.064			0.064	0.000	0.064
Back 0mm	0.565	0.195			0.195	0.000	0.565
Left Side 0mm					0.000	0.000	0.000
Right Side 0mm	0.205	0.049			0.049	0.000	0.205
Top Side 0mm		0.300			0.300	0.000	0.300
Bottom Side 0mm					0.000	0.000	0.000

17.6 SPLSR Evaluation and Analysis

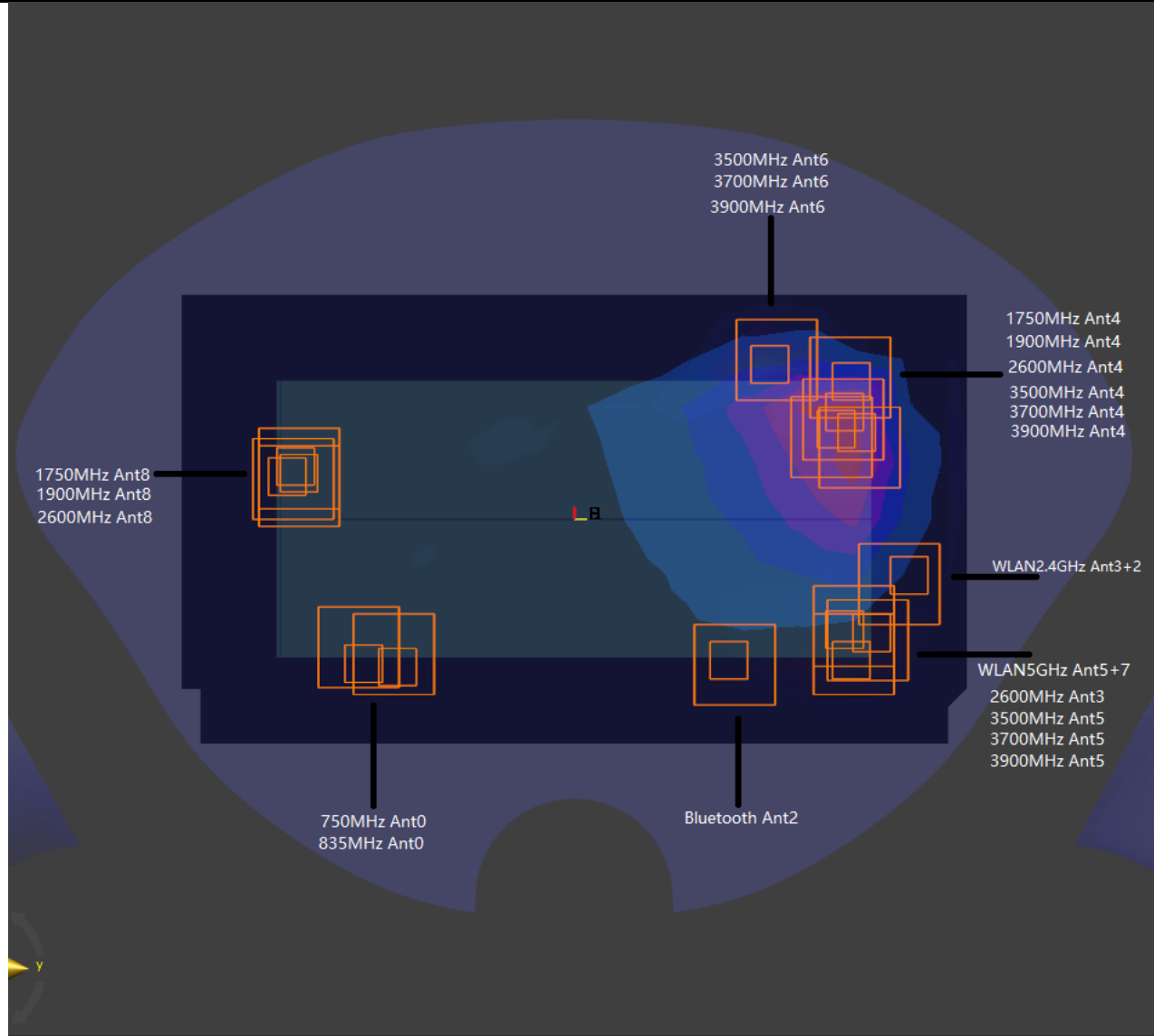
General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, AG0 was summed algebraically with the BT/WIFI/NFC Antenna 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.
6. The axis peak locations refer to Section 17.7.



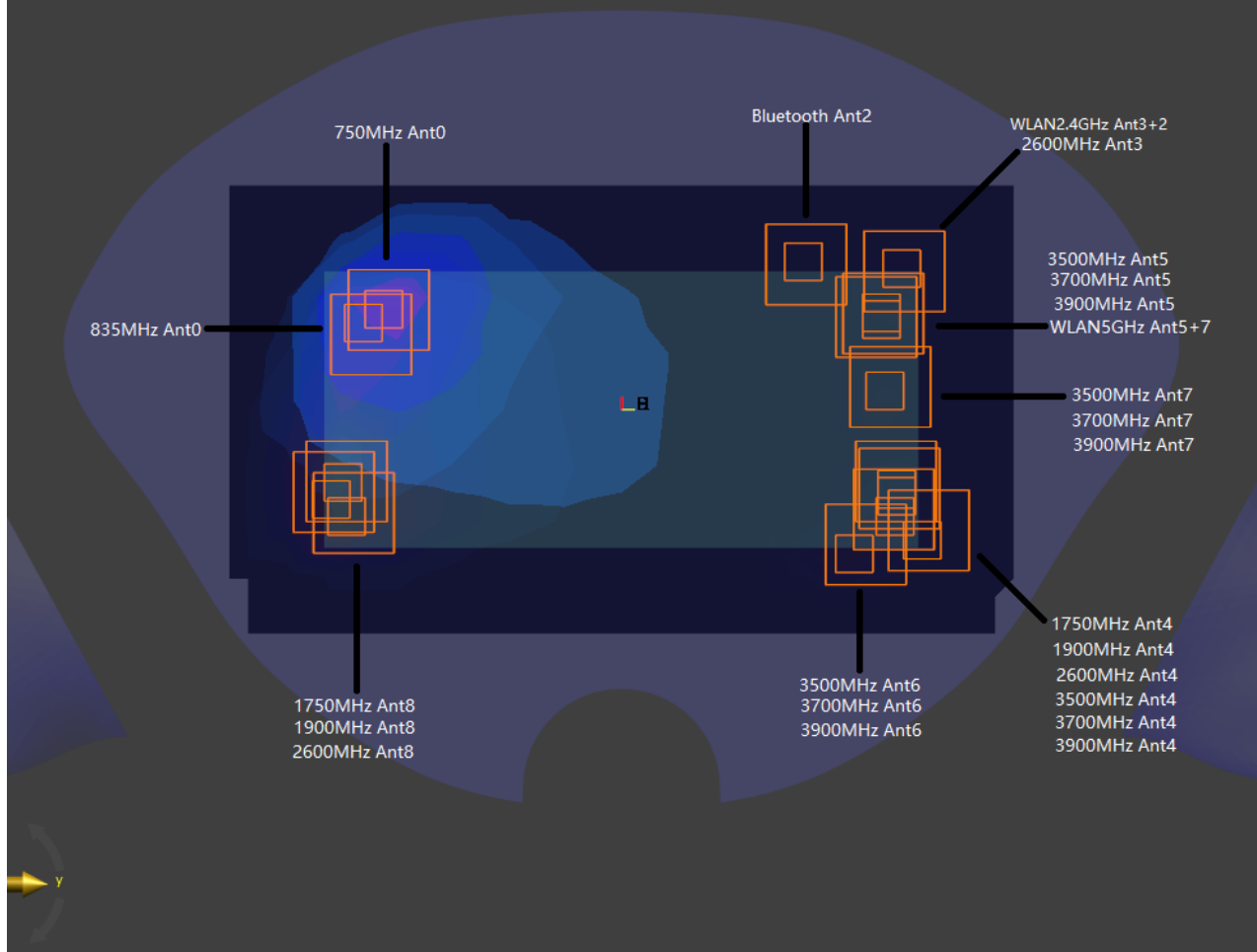


Head Left Cheek 0mm WWAN+WLAN5G+BT+WLAN2.4G+WLAN6G

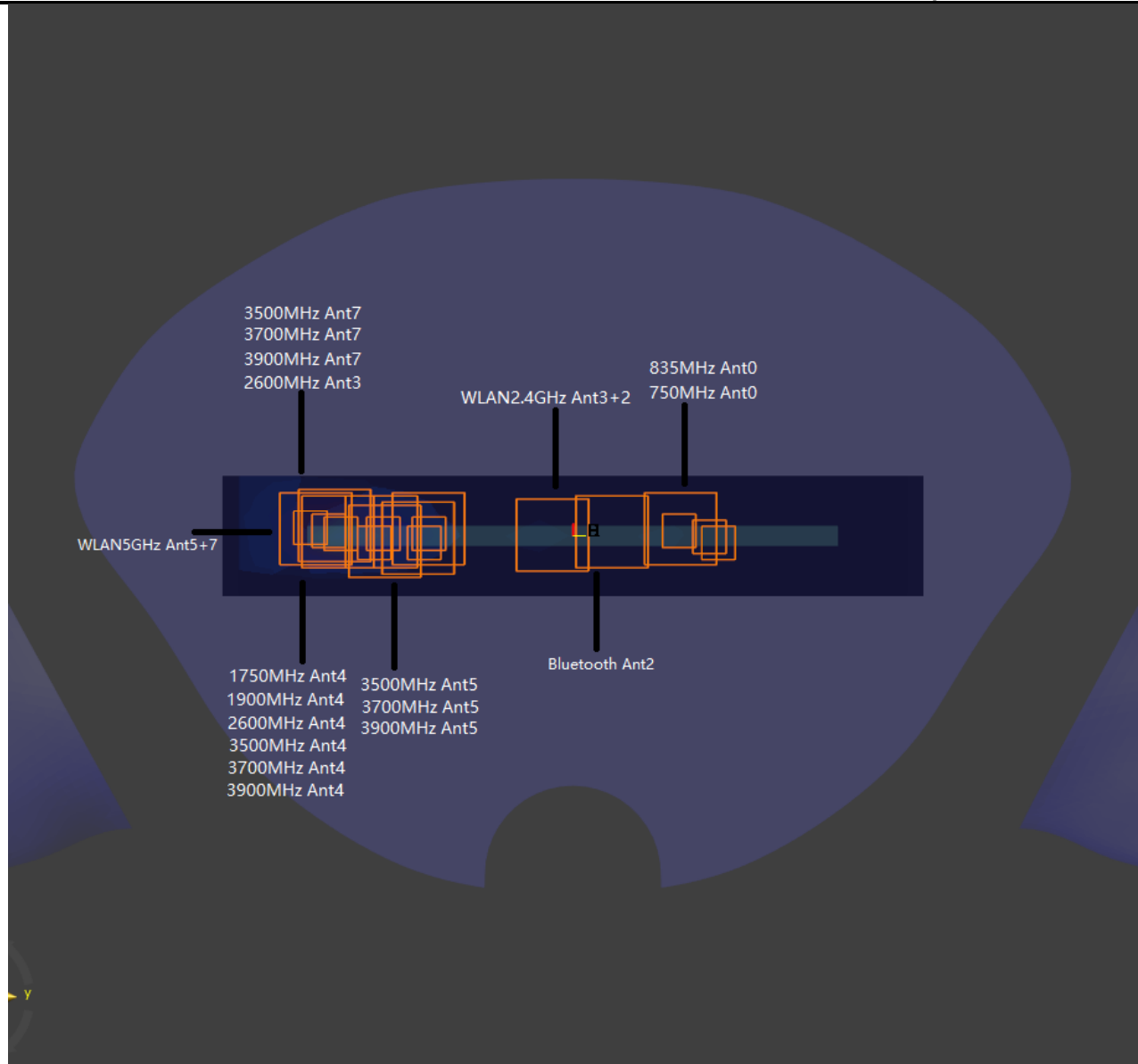


Hotspot Front 5mm WWAN+WLAN5G+BT+WLAN2.4G

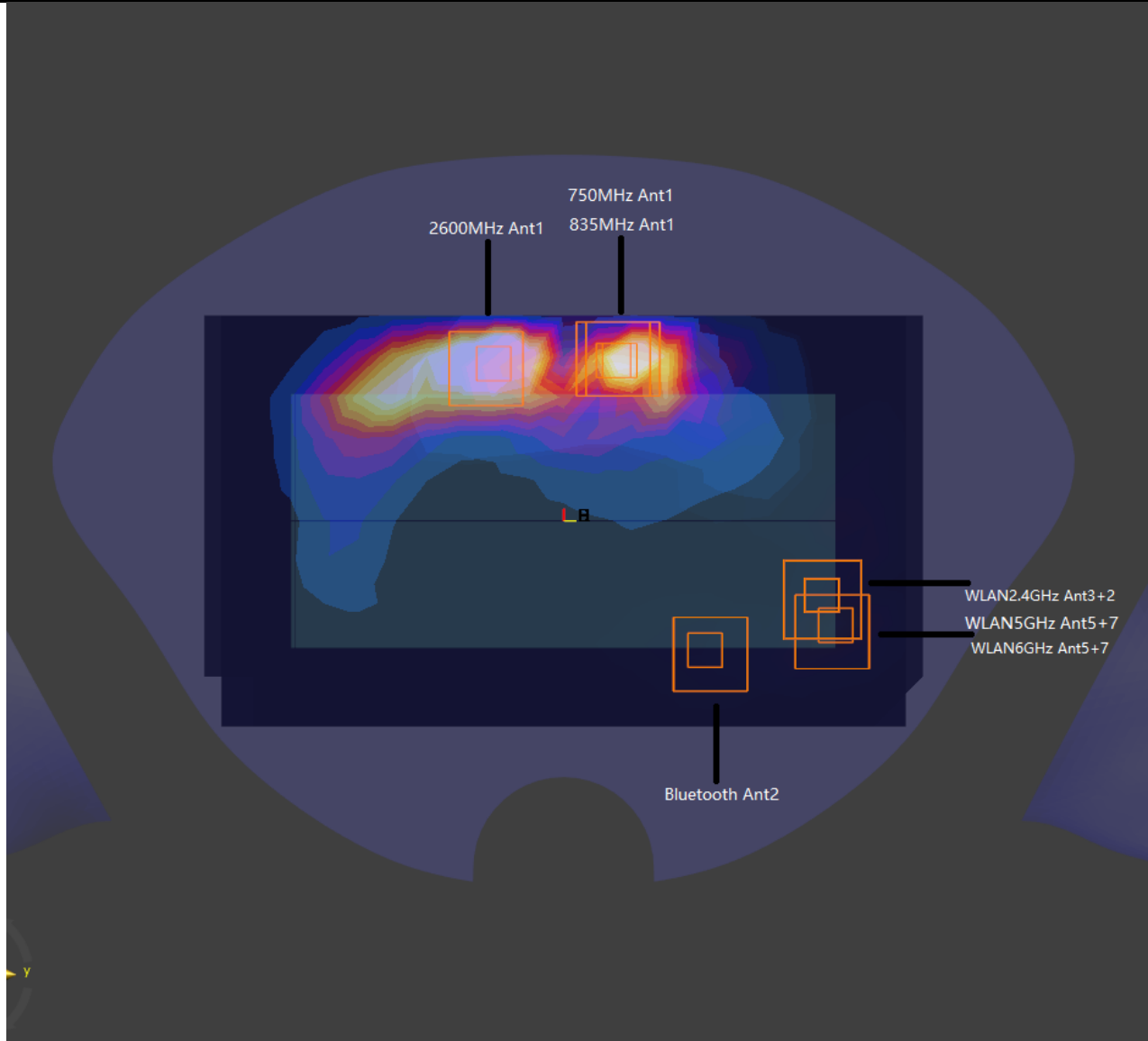
2



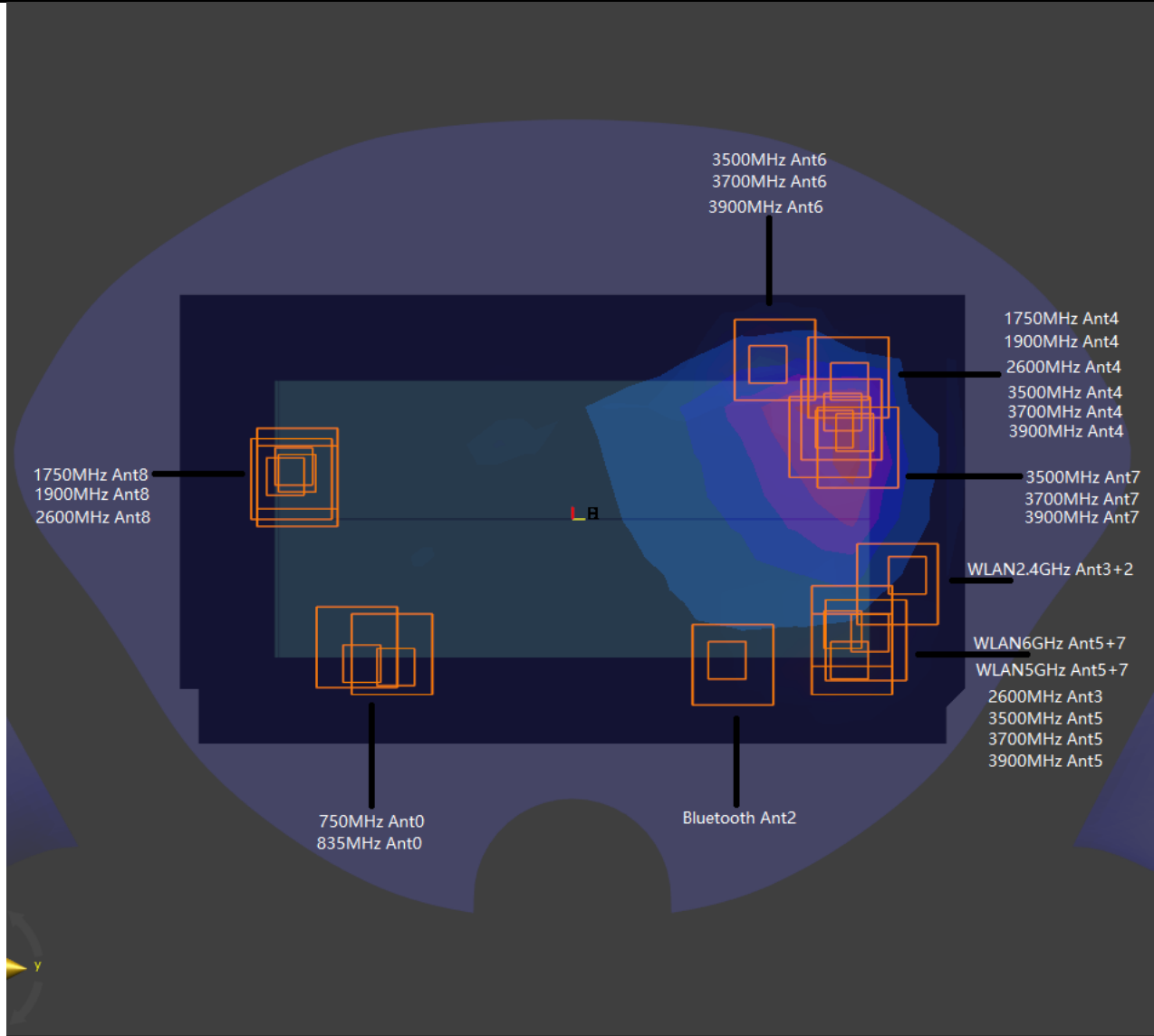
Hotspot Back 5mm WWAN+WLAN5G+BT+WLAN2.4G



Hotspot Right Side 5mm WWAN+WLAN2.4G+WLAN5G+BT

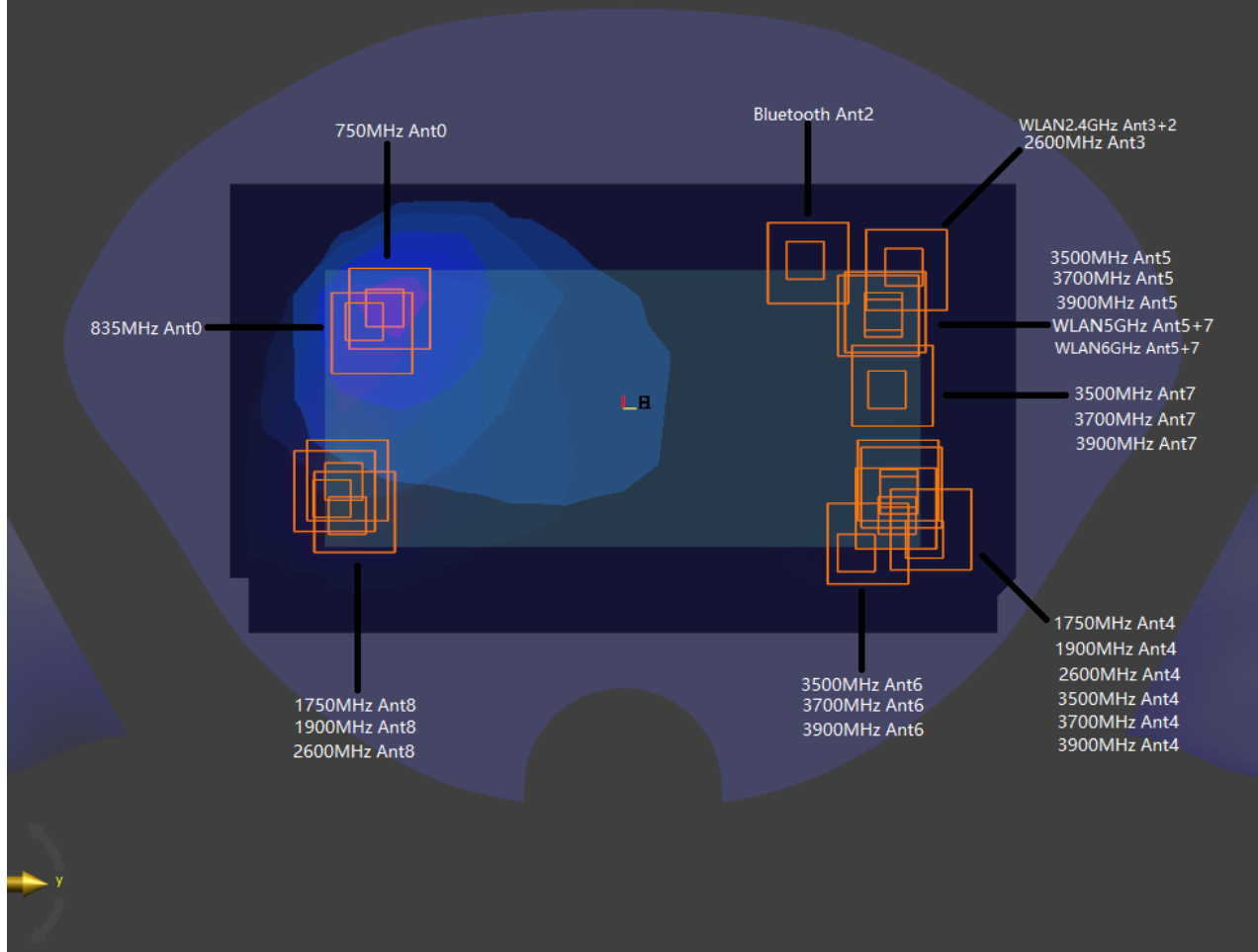


Body-worn Front 5mm WWAN Ant1+WLAN5G+BT+WLAN2.4G+WLAN6G

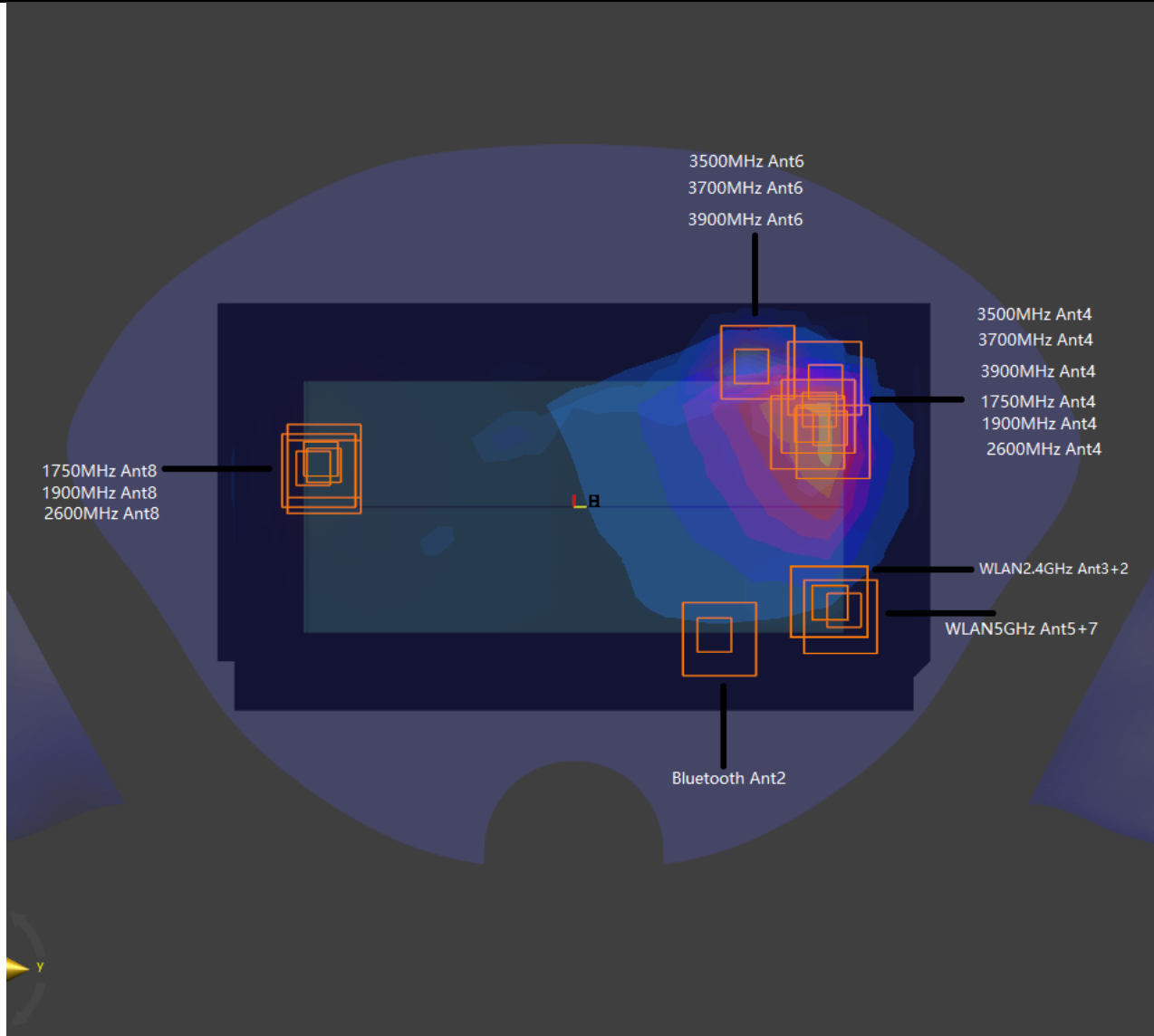


Body-worn Front 5mm WWAN+WLAN5G+BT+WLAN2.4G+WLAN6G

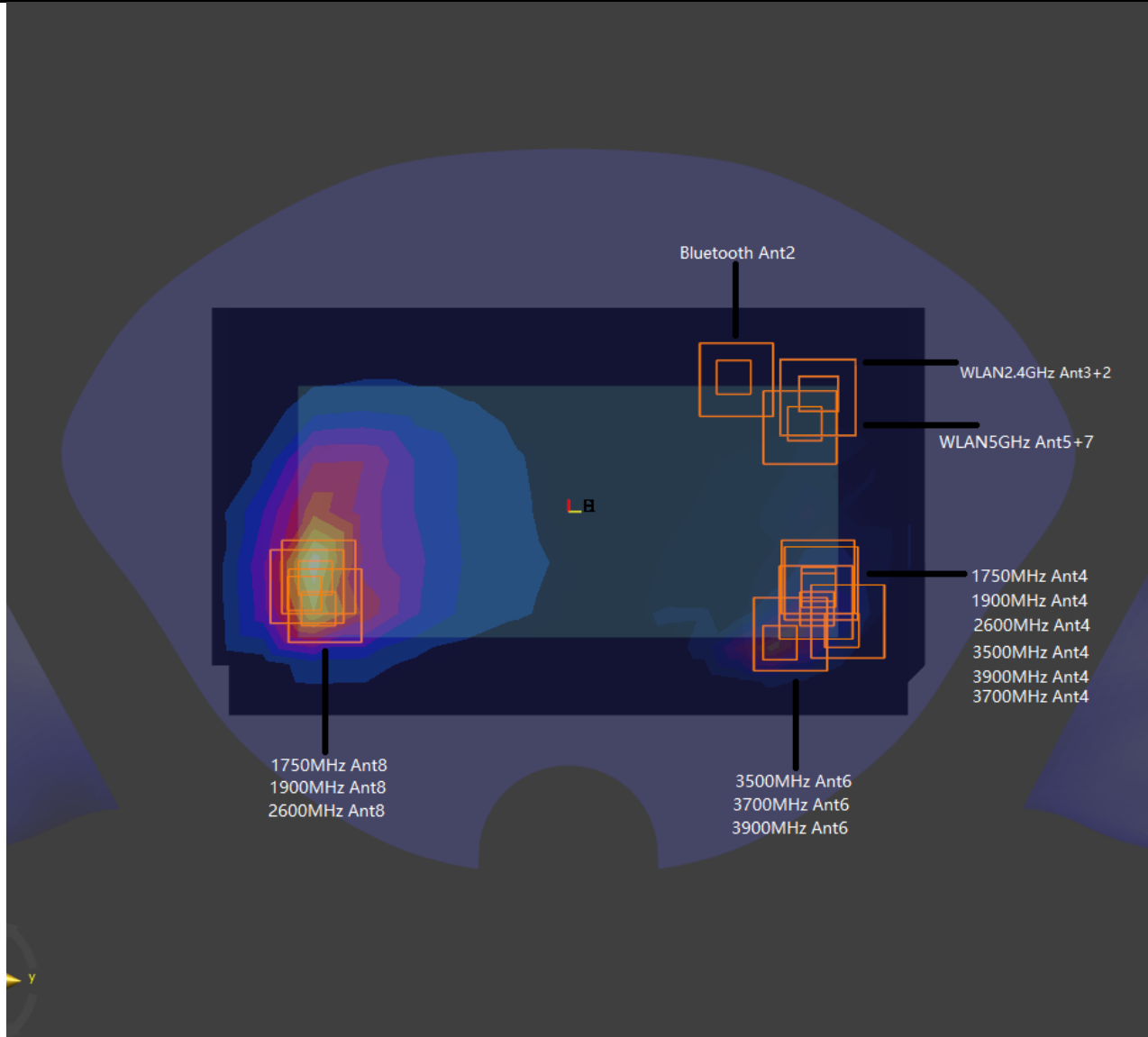
2



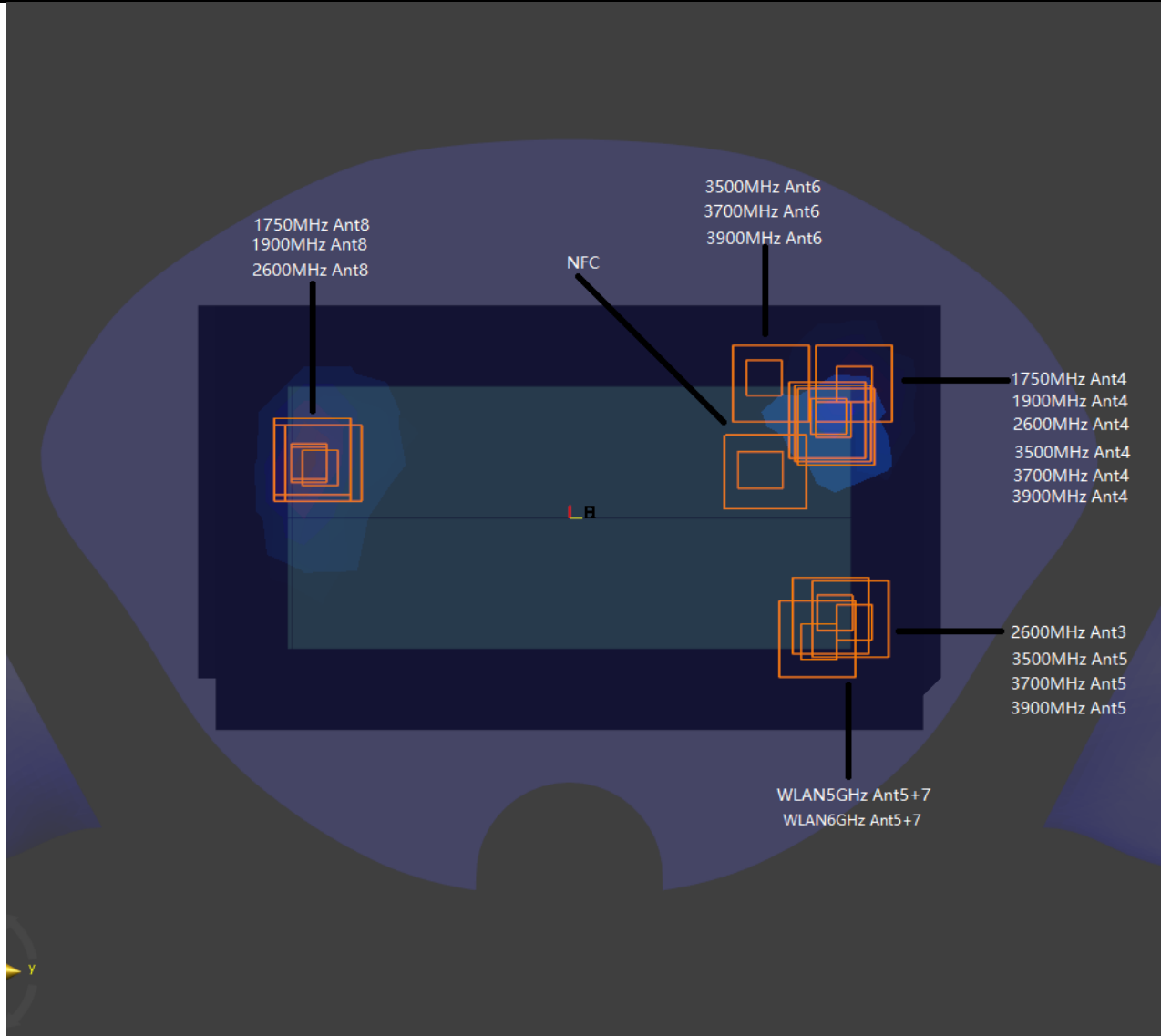
Body-worn Back 5mm WWAN+WLAN5G+BT+WLAN2.4G+WLAN6G



Body-worn Front 15mm WWAN+WLAN5G+BT+WLAN2.4G

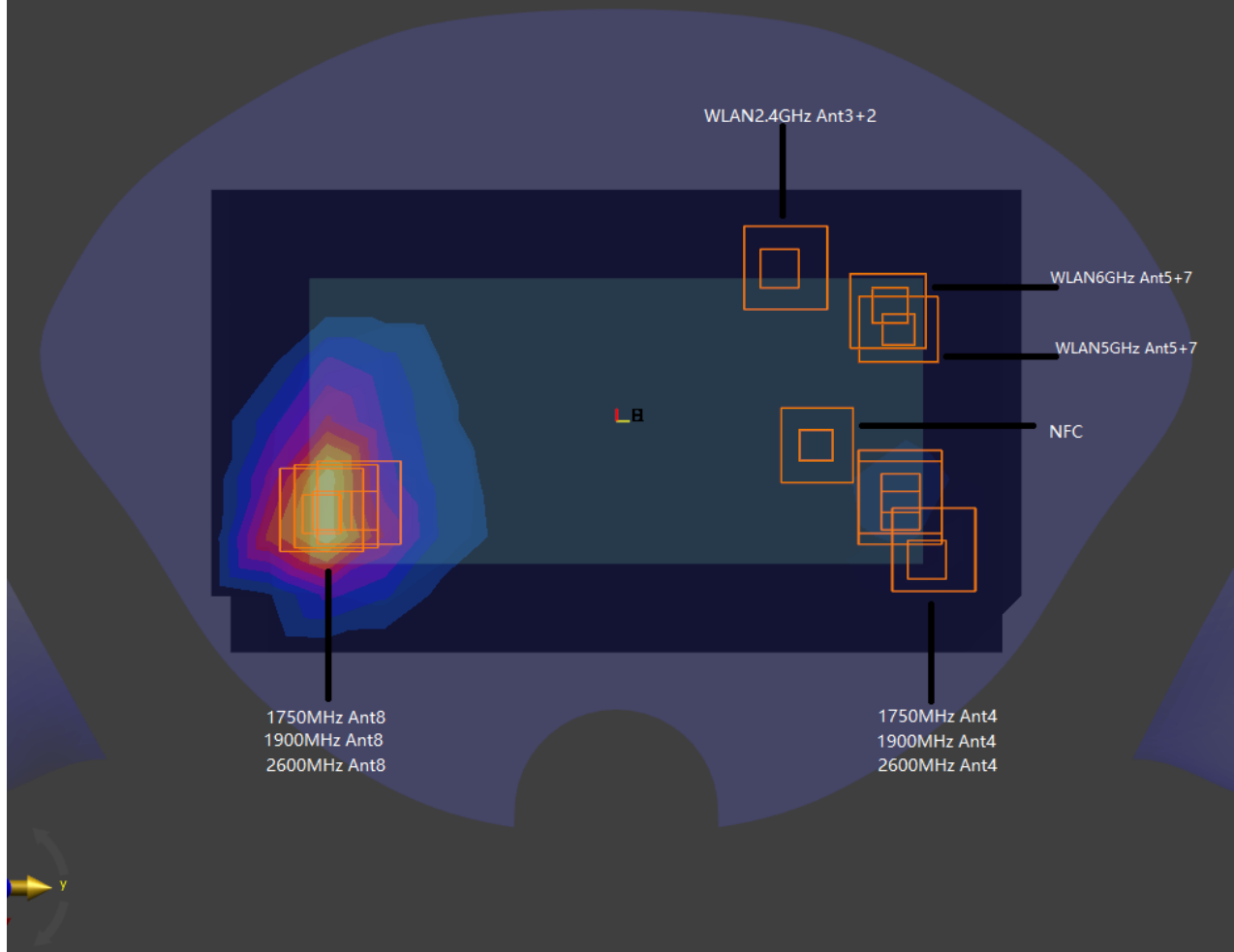


Body-worn Back 12mm WWAN+WLAN5G+BT+WLAN2.4G



Extremity Front 0mm WWAN+WLAN5G+NFC+WLAN6G

2



Extremity Back 0mm WWAN+WLAN2.4G+NFC+WLAN5G+WLAN6G



<Head>

No.1 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Left Cheek	0.183	1.427	0mm	57.3	268.8	-172.2	69.2	1.61	0.03	Not required
Ant 3		0.771		0mm	24.7	329.8	-171.6				
WLAN 5G Ant5+7		0.382		0mm							
BT Ant 2		0.274		0mm							
Ant 0	Left Cheek	0.183	1.427	0mm	57.3	268.8	-172.2	75.6	1.61	0.03	Not required
Ant 3		0.771		0mm							
WLAN 5G Ant5+7		0.382		0mm	20.7	335	-173.1				
BT Ant 2		0.274		0mm							
Ant 0	Left Cheek	0.183	1.427	0mm	57.3	268.8	-172.2	56.1	1.61	0.04	Not required
Ant 3		0.771		0mm							
WLAN 5G Ant5+7		0.382		0mm							
BT Ant 2		0.274		0mm	52.5	324.7	-172.7				
No.2 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Left Cheek	0.183	1.432	0mm	57.3	268.8	-172.2	75.4	1.62	0.03	Not required
Ant 5		0.776		0mm	32.9	340.1	-170.8				
WLAN 5G Ant5+7		0.382		0mm							
BT Ant 2		0.274		0mm							
Ant 0	Left Cheek	0.183	1.432	0mm	57.3	268.8	-172.2	75.6	1.62	0.03	Not required
Ant 5		0.776		0mm							
WLAN 5G Ant5+7		0.382		0mm	20.7	335	-173.1				
BT Ant 2		0.274		0mm							
Ant 0	Left Cheek	0.183	1.432	0mm	57.3	268.8	-172.2	56.1	1.62	0.04	Not required
Ant 5		0.776		0mm							
WLAN 5G Ant5+7		0.382		0mm							
BT Ant 2		0.274		0mm	52.5	324.7	-172.7				
No.3 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Left Cheek	0.251	1.427	0mm	49.3	246.6	-171.2	86.8	1.68	0.03	Not required
Ant 3		0.771		0mm	24.7	329.8	-171.6				
WLAN 5G Ant5+7		0.382		0mm							
BT Ant 2		0.274		0mm							
Ant 8	Left Cheek	0.251	1.427	0mm	49.3	246.6	-171.2	92.9	1.68	0.02	Not required
Ant 3		0.771		0mm							
WLAN 5G Ant5+7		0.382		0mm	20.7	335	-173.1				
BT Ant 2		0.274		0mm							
Ant 8	Left Cheek	0.251	1.427	0mm	49.3	246.6	-171.2	78.2	1.68	0.03	Not required
Ant 3		0.771		0mm							
WLAN 5G Ant5+7		0.382		0mm							
BT Ant 2		0.274		0mm	52.5	324.7	-172.7				
No.4 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Left Cheek	0.251	1.432	0mm	49.3	246.6	-171.2	94.9	1.68	0.02	Not required
Ant 5		0.776		0mm	32.9	340.1	-170.8				
WLAN 5G Ant5+7		0.382		0mm							
BT Ant 2		0.274		0mm							
Ant 8	Left Cheek	0.251	1.432	0mm	49.3	246.6	-171.2	92.9	1.68	0.02	Not required
Ant 5		0.776		0mm							
WLAN 5G Ant5+7		0.382		0mm	20.7	335	-173.1				
BT Ant 2		0.274		0mm							
Ant 8	Left Cheek	0.251	1.432	0mm	49.3	246.6	-171.2	78.2	1.68	0.03	Not required
Ant 5		0.776		0mm							



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WLAN 5G Ant5+7		0.382		0mm							
BT Ant 2		0.274		0mm	52.5	324.7	-172.7				

No.5 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 1	Left Cheek	0.994	0.994	0mm	41.1	248.1	-170.8	89.3	1.65	0.02	Not required
WLAN 5G Ant5+7		0.382	0.656	0mm	20.7	335	-173.1				
BT Ant 2		0.274		0mm							
Ant 1	Left Cheek	0.994	0.994	0mm	41.1	248.1	-170.8	77.5	1.65	0.03	Not required
WLAN 5G Ant5+7		0.382	0.656	0mm							
BT Ant 2		0.274		0mm	52.5	324.7	-172.7				

<Hotspot>

No.1 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Front	0.540	0.540	5mm	15.8	-46.1	-204	118.6	1.67	0.02	Not required
Ant 3		0.541	1.130	5mm	5	72	-204				
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm							
Ant 0	Front	0.540	0.540	5mm	15.8	-46.1	-204	126.6	1.67	0.02	Not required
Ant 3		0.541	1.130	5mm							
WLAN 5G Ant5+7		0.410		5mm	5	80	-204				
BT Ant 2		0.179		5mm							
Ant 0	Front	0.540	0.540	5mm	15.8	-46.1	-204	88.1	1.67	0.02	Not required
Ant 3		0.541	1.130	5mm							
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm	13.4	42	-204				
No.2 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Front	0.540	0.540	5mm	15.8	-46.1	-204	134.1	1.68	0.02	Not required
Ant 4		0.546	1.135	5mm	-50.5	70.5	-204				
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm							
Ant 0	Front	0.540	0.540	5mm	15.8	-46.1	-204	126.6	1.68	0.02	Not required
Ant 4		0.546	1.135	5mm							
WLAN 5G Ant5+7		0.410		5mm	5	80	-204				
BT Ant 2		0.179		5mm							
Ant 0	Front	0.540	0.540	5mm	15.8	-46.1	-204	88.1	1.68	0.02	Not required
Ant 4		0.546	1.135	5mm							
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm	13.4	42	-204				
No.3 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	151.9	1.92	0.02	Not required
Ant 3		0.541	1.130	5mm	5	72	-204				
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm							
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	159.5	1.92	0.02	Not required
Ant 3		0.541	1.130	5mm							
WLAN 5G Ant5+7		0.410		5mm	5	80	-204				
BT Ant 2		0.179		5mm							
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	126.6	1.92	0.02	Not required
Ant 3		0.541	1.130	5mm							
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm	13.4	42	-204				
No.4 Band	Position	SAR 1g	Summed	Gap	SAR peak location (mm)			3D distance	Summed	SPLSR	Simultaneous



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		SAR (W/kg)			X	Y	Z	(mm)	SAR (W/kg)		
Ant 8	Front	0.790	0.790	5mm	-40	-73.5	-204	144.4	1.93	0.02	Not required
Ant 4		0.546	1.135	5mm	-50.5	70.5	-204				
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm							
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	159.5	1.93	0.02	Not required
Ant 4		0.546	1.135	5mm							
WLAN 5G Ant5+7		0.410		5mm	5	80	-204				
BT Ant 2		0.179		5mm							
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	126.6	1.93	0.02	Not required
Ant 4		0.546	1.135	5mm							
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm	13.4	42	-204				
No.5 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	153.7	1.82	0.02	Not required
Ant 5		0.439	1.028	5mm	14	71	-204				
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm							
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	159.5	1.82	0.02	Not required
Ant 5		0.439	1.028	5mm							
WLAN 5G Ant5+7		0.410		5mm	5	80	-204				
BT Ant 2		0.179		5mm							
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	126.6	1.82	0.02	Not required
Ant 5		0.439	1.028	5mm							
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm	13.4	42	-204				
No.6 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	0.790	0.790	5mm	-40.2	-73.5	-204	127.1	1.64	0.02	Not required
Ant 6		0.256	0.845	5mm	-66	51	-204				
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm							
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	159.5	1.64	0.01	Not required
Ant 6		0.256	0.845	5mm							
WLAN 5G Ant5+7		0.410		5mm	5	80	-204				
BT Ant 2		0.179		5mm							
Ant 8	Front	0.790	0.790	5mm	-38.5	-73.5	-204	126.6	1.64	0.02	Not required
Ant 6		0.256	0.845	5mm							
WLAN 5G Ant5+7		0.410		5mm							
BT Ant 2		0.179		5mm	13.4	42	-204				

No.7 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.688	0.688	5mm	-52.4	-59.4	-204	128.4	2.03	0.02	Not required
Ant 3		0.527	1.339	5mm	-50.2	69	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	0.688	5mm	-52.4	-59.4	-204	129.4	2.03	0.02	Not required
Ant 3		0.527	1.339	5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	0.688	5mm	-52.4	-59.4	-204	108.1	2.03	0.03	Not required
Ant 3		0.527	1.339	5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				



No.8 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.688	1.350	5mm	-52.4	-59.4	-204	141.5	2.04	0.02	Not required
Ant 4		0.538		5mm	-2.6	73.1	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	1.350	5mm	-52.4	-59.4	-204	129.4	2.04	0.02	Not required
Ant 4		0.538		5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	1.350	5mm	-52.4	-59.4	-204	108.1	2.04	0.03	Not required
Ant 4		0.538		5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				
No.9 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.688	0.948	5mm	-52.4	-59.4	-204	132.9	1.64	0.02	Not required
Ant 5		0.136		5mm	-64	73	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	0.948	5mm	-52.4	-59.4	-204	129.4	1.64	0.02	Not required
Ant 5		0.136		5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	0.948	5mm	-52.4	-59.4	-204	108.1	1.64	0.02	Not required
Ant 5		0.136		5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				
No.10 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.688	0.947	5mm	-52.4	-59.4	-204	137.5	1.64	0.02	Not required
Ant 6		0.135		5mm	14	61	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	0.947	5mm	-52.4	-59.4	-204	129.4	1.64	0.02	Not required
Ant 6		0.135		5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	0.947	5mm	-52.4	-59.4	-204	108.1	1.64	0.02	Not required
Ant 6		0.135		5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				
No.11 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.688	1.350	5mm	-52.4	-59.4	-204	132.9	2.04	0.02	Not required
Ant 7		0.538		5mm	-27	71	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	1.350	5mm	-52.4	-59.4	-204	129.4	2.04	0.02	Not required
Ant 7		0.538		5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 0	Back	0.688	1.350	5mm	-52.4	-59.4	-204	108.1	2.04	0.03	Not required
Ant 7		0.538		5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				



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No.12 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	0.799	1.339	5mm	-8.9	-73.1	-204	148.0	2.14	0.02	Not required
Ant 3		0.527		5mm	-50.2	69	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	1.339	5mm	-8.9	-73.1	-204	150.0	2.14	0.02	Not required
Ant 3		0.527		5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	1.339	5mm	-8.9	-73.1	-204	133.3	2.14	0.02	Not required
Ant 3		0.527		5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				
No.13 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	0.799	1.350	5mm	5.2	-73.3	-204	145.3	2.15	0.02	Not required
Ant 4		0.538		5mm	4	72	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	1.350	5mm	-8.9	-73.1	-204	150.0	2.15	0.02	Not required
Ant 4		0.538		5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	1.350	5mm	-8.9	-73.1	-204	133.3	2.15	0.02	Not required
Ant 4		0.538		5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				
No.14 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	0.799	0.948	5mm	-8.9	-73.1	-204	156.1	1.75	0.01	Not required
Ant 5		0.136		5mm	-64	73	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	0.948	5mm	-8.9	-73.1	-204	150.0	1.75	0.02	Not required
Ant 5		0.136		5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	0.948	5mm	-8.9	-73.1	-204	133.3	1.75	0.02	Not required
Ant 5		0.136		5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				
No.15 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	0.799	0.947	5mm	5.2	-73.3	-204	134.6	1.75	0.02	Not required
Ant 6		0.135		5mm	14	61	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	0.947	5mm	-8.9	-73.1	-204	150.0	1.75	0.02	Not required
Ant 6		0.135		5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	0.947	5mm	-8.9	-73.1	-204	133.3	1.75	0.02	Not required
Ant 6		0.135		5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				



No.16 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	0.799	1.350	5mm	-8.9	-73.1	-204	145.2	2.15	0.02	Not required
Ant 7		0.538		5mm	-27	71	-204				
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	1.350	5mm	-8.9	-73.1	-204	150.0	2.15	0.02	Not required
Ant 7		0.538		5mm							
WLAN 5G Ant5+7		0.634		5mm	-54	70	-204				
BT Ant 2		0.178		5mm							
Ant 8	Back	0.799	1.350	5mm	-8.9	-73.1	-204	133.3	2.15	0.02	Not required
Ant 7		0.538		5mm							
WLAN 5G Ant5+7		0.634		5mm							
BT Ant 2		0.178		5mm	-64.6	48	-204				

No.17 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Right Side	0.924	1.153	5mm	-24.6	25.1	-204	103.1	2.08	0.03	Not required
Ant 3		0.519		5mm	-26.8	-78	-204				
WLAN 2.4G Ant3+2		0.634		5mm							
Ant 0	Right Side	0.924	1.153	5mm	-24.6	25.1	-204	95.1	2.08	0.03	Not required
Ant 3		0.519		5mm							
WLAN 2.4G Ant3+2		0.634		5mm	-25.6	-70	-204				
No.18 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Right Side	0.924	0.698	5mm	-24.6	25.1	-204	58.1	1.62	0.04	Not required
Ant 4		0.064		5mm	-26.8	-33	-204				
WLAN 2.4G Ant3+2		0.634		5mm							
Ant 0	Right Side	0.924	0.698	5mm	-24.6	25.1	-204	95.1	1.62	0.02	Not required
Ant 4		0.064		5mm							
WLAN 2.4G Ant3+2		0.634		5mm	-25.6	-70	-204				
No.19 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Right Side	0.924	1.165	5mm	-24.6	25.1	-204	95.1	2.09	0.03	Not required
Ant 5		0.531		5mm	-25.6	-70	-204				
WLAN 2.4G Ant3+2		0.634		5mm							
Ant 0	Right Side	0.924	1.165	5mm	-24.6	25.1	-204	95.1	2.09	0.03	Not required
Ant 5		0.531		5mm							
WLAN 2.4G Ant3+2		0.634		5mm	-25.6	-70	-204				
No.20 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Right Side	0.924	0.748	5mm	-24.6	25.1	-204	84.1	1.67	0.03	Not required
Ant 7		0.114		5mm	-23.8	-59	-204				
WLAN 2.4G Ant3+2		0.634		5mm							
Ant 0	Right Side	0.924	0.748	5mm	-24.6	25.1	-204	95.1	1.67	0.02	Not required
Ant 7		0.114		5mm							
WLAN 2.4G Ant3+2		0.634		5mm	-25.6	-70	-204				



<Body-worn>

No.1 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Front	0.540	1.389	5mm	15.8	-46.1	-204	118.6	1.93	0.02	Not required
Ant 3		0.763		5mm	5	72	-204				
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm							
Ant 0	Front	0.540	1.389	5mm	15.8	-46.1	-204	126.6	1.93	0.02	Not required
Ant 3		0.763		5mm							
WLAN 5G Ant5+7		0.337		5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 0	Front	0.540	1.389	5mm	15.8	-46.1	-204	88.1	1.93	0.03	Not required
Ant 3		0.763		5mm							
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				
No.2 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Front	0.540	1.404	5mm	15.8	-46.1	-204	134.1	1.94	0.02	Not required
Ant 4		0.778		5mm	-50.5	70.5	-204				
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm							
Ant 0	Front	0.540	1.404	5mm	15.8	-46.1	-204	126.6	1.94	0.02	Not required
Ant 4		0.778		5mm							
WLAN 5G Ant5+7		0.337		5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 0	Front	0.540	1.404	5mm	15.8	-46.1	-204	88.1	1.94	0.03	Not required
Ant 4		0.778		5mm							
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				
No.3 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Front	0.540	1.407	5mm	15.8	-46.1	-204	117.1	1.95	0.02	Not required
Ant 5		0.781		5mm	14	71	-204				
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm							
Ant 0	Front	0.540	1.407	5mm	15.8	-46.1	-204	126.6	1.95	0.02	Not required
Ant 5		0.781		5mm							
WLAN 5G Ant5+7		0.337		5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 0	Front	0.540	1.407	5mm	15.8	-46.1	-204	88.1	1.95	0.03	Not required
Ant 5		0.781		5mm							
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				
No.4 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Front	0.540	1.399	5mm	15.8	-46.1	-204	127.0	1.94	0.02	Not required
Ant 6		0.773		5mm	-66	51	-204				
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm							
Ant 0	Front	0.540	1.399	5mm	15.8	-46.1	-204	126.6	1.94	0.02	Not required
Ant 6		0.773		5mm							
WLAN 5G Ant5+7		0.337		5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 0	Front	0.540	1.399	5mm	15.8	-46.1	-204	88.1	1.94	0.03	Not required
Ant 6		0.773		5mm							



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WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				
No.5 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	1.119	1.389	5mm	-38.5	-73.5	-204	151.9	2.51	0.03	Not required
Ant 3		0.763		5mm	5	72	-204				
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.389	5mm	-38.5	-73.5	-204	159.5	2.51	0.02	Not required
Ant 3		0.763		5mm							
WLAN 5G Ant5+7		0.337		5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.389	5mm	-38.5	-73.5	-204	126.6	2.51	0.03	Not required
Ant 3		0.763		5mm							
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				
No.6 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	1.119	1.404	5mm	-40	-73.5	-204	144.4	2.52	0.03	Not required
Ant 4		0.778		5mm	-50.5	70.5	-204				
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.404	5mm	-38.5	-73.5	-204	159.5	2.52	0.03	Not required
Ant 4		0.778		5mm							
WLAN 5G Ant5+7		0.337		5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.404	5mm	-38.5	-73.5	-204	126.6	2.52	0.03	Not required
Ant 4		0.778		5mm							
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				
No.7 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	1.119	1.407	5mm	-38.5	-73.5	-204	153.7	2.53	0.03	Not required
Ant 5		0.781		5mm	14	71	-204				
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.407	5mm	-38.5	-73.5	-204	159.5	2.53	0.03	Not required
Ant 5		0.781		5mm							
WLAN 5G Ant5+7		0.337		5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.407	5mm	-38.5	-73.5	-204	126.6	2.53	0.03	Not required
Ant 5		0.781		5mm							
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				
No.8 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	1.119	1.399	5mm	-40.2	-73.5	-204	127.1	2.52	0.03	Not required
Ant 6		0.773		5mm	-66	51	-204				
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.399	5mm	-38.5	-73.5	-204	159.5	2.52	0.03	Not required
Ant 6		0.773		5mm							
WLAN 5G Ant5+7		0.337		5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.399	5mm	-38.5	-73.5	-204	126.6	2.52	0.03	Not required
Ant 6		0.773		5mm							



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WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				
No.9 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	1.119	1.119	5mm	-38.5	-73.5	-204	164.2	1.97	0.02	Not required
Ant 7		0.226	0.852	5mm	-13.8	88.8	-204				
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.119	5mm	-38.5	-73.5	-204	159.5	1.97	0.02	Not required
Ant 7		0.226	0.852	5mm							
WLAN 5G Ant5+7		0.337		5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 8	Front	1.119	1.119	5mm	-38.5	-73.5	-204	126.6	1.97	0.02	Not required
Ant 7		0.226	0.852	5mm							
WLAN 5G Ant5+7		0.337		5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				

No.10 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	128.4	1.72	0.02	Not required
Ant 3		0.354	1.032	5mm	-50.2	69	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	129.4	1.72	0.02	Not required
Ant 3		0.354	1.032	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	108.1	1.72	0.02	Not required
Ant 3		0.354	1.032	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.11 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	141.5	2.14	0.02	Not required
Ant 4		0.778	1.456	5mm	-2.6	73.1	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	129.4	2.14	0.02	Not required
Ant 4		0.778	1.456	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	108.1	2.14	0.03	Not required
Ant 4		0.778	1.456	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.12 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	132.9	1.61	0.02	Not required
Ant 5		0.242	0.920	5mm	-64	73	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	129.4	1.61	0.02	Not required
Ant 5		0.242	0.920	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	108.1	1.61	0.02	Not required



Ant 5		0.242	0.920	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.13 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	137.5	1.81	0.02	Not required
Ant 6		0.446	1.124	5mm	14	61	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	129.4	1.81	0.02	Not required
Ant 6		0.446	1.124	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	108.1	1.81	0.02	Not required
Ant 6		0.446	1.124	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.14 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	132.9	2.14	0.02	Not required
Ant 7		0.776	1.454	5mm	-27	71	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	129.4	2.14	0.02	Not required
Ant 7		0.776	1.454	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 0	Back	0.687	0.687	5mm	-52.4	-59.4	-204	108.1	2.14	0.03	Not required
Ant 7		0.776	1.454	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.15 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	148.0	2.15	0.02	Not required
Ant 3		0.354	1.032	5mm	-50.2	69	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	150.0	2.15	0.02	Not required
Ant 3		0.354	1.032	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	133.3	2.15	0.02	Not required
Ant 3		0.354	1.032	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.16 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	1.121	1.121	5mm	5.2	-73.3	-204	145.3	2.58	0.03	Not required
Ant 4		0.778	1.456	5mm	4	72	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	150.0	2.58	0.03	Not required
Ant 4		0.778	1.456	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	133.3	2.58	0.03	Not required



Ant 4		0.778	1.456	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.17 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	156.1	2.04	0.02	Not required
Ant 5		0.242	0.920	5mm	-64	73	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	150.0	2.04	0.02	Not required
Ant 5		0.242	0.920	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	133.3	2.04	0.02	Not required
Ant 5		0.242	0.920	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.18 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	1.121	1.121	5mm	5.2	-73.3	-204	134.6	2.25	0.03	Not required
Ant 6		0.446	1.124	5mm	14	61	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	150.0	2.25	0.02	Not required
Ant 6		0.446	1.124	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	133.3	2.25	0.03	Not required
Ant 6		0.446	1.124	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.19 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	145.2	2.58	0.03	Not required
Ant 7		0.776	1.454	5mm	-27	71	-204				
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	150.0	2.58	0.03	Not required
Ant 7		0.776	1.454	5mm							
WLAN 5G Ant5+7		0.392		5mm	-54	70	-204				
BT Ant 2		0.286		5mm							
Ant 8	Back	1.121	1.121	5mm	-8.9	-73.1	-204	133.3	2.58	0.03	Not required
Ant 7		0.776	1.454	5mm							
WLAN 5G Ant5+7		0.392		5mm							
BT Ant 2		0.286		5mm	-64.6	48	-204				
No.20 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 1	Front	0.996	0.996	5mm	-68.5	28.5	-204	89.7	1.62	0.02	Not required
WLAN 5G Ant5+7		0.337	0.626	5mm	5	80	-204				
BT Ant 2		0.289		5mm							
Ant 1	Front	0.996	0.996	5mm	-62.2	20	-204	78.7	1.62	0.03	Not required
WLAN 5G Ant5+7		0.337	0.626	5mm							
BT Ant 2		0.289		5mm	13.4	42	-204				



<Sensor Off>

No.21 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	0.774	1.227	15mm	-40	-73.5	-204	144.4	2.00	0.02	Not required
Ant 4		0.739		15mm	-50.5	70.5	-204				
WLAN 5G Ant5+7		0.328		15mm							
BT Ant 2		0.160		15mm							
Ant 8	Front	0.774	1.227	15mm	-38.5	-73.5	-204	159.5	2.00	0.02	Not required
Ant 4		0.739		15mm							
WLAN 5G Ant5+7		0.328		15mm	5	80	-204				
BT Ant 2		0.160		15mm							
Ant 8	Front	0.774	1.227	15mm	-38.5	-73.5	-204	126.6	2.00	0.02	Not required
Ant 4		0.739		15mm							
WLAN 5G Ant5+7		0.328		15mm							
BT Ant 2		0.160		15mm	13.4	42	-204				
No.22 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	0.774	1.134	15mm	-40.2	-73.5	-204	127.1	1.91	0.02	Not required
Ant 6		0.646		15mm	-66	51	-204				
WLAN 5G Ant5+7		0.328		15mm							
BT Ant 2		0.160		15mm							
Ant 8	Front	0.774	1.134	15mm	-38.5	-73.5	-204	159.5	1.91	0.02	Not required
Ant 6		0.646		15mm							
WLAN 5G Ant5+7		0.328		15mm	5	80	-204				
BT Ant 2		0.160		15mm							
Ant 8	Front	0.774	1.134	15mm	-38.5	-73.5	-204	126.6	1.91	0.02	Not required
Ant 6		0.646		15mm							
WLAN 5G Ant5+7		0.328		15mm							
BT Ant 2		0.160		15mm	13.4	42	-204				

No.23 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	0.791	1.147	12mm	5.2	-73.3	-204	145.3	1.94	0.02	Not required
Ant 4		0.799		12mm	4	72	-204				
WLAN 5G Ant5+7		0.234		12mm							
BT Ant 2		0.114		12mm							
Ant 8	Back	0.791	1.147	12mm	-8.9	-73.1	-204	150.0	1.94	0.02	Not required
Ant 4		0.799		12mm							
WLAN 5G Ant5+7		0.234		12mm	-54	70	-204				
BT Ant 2		0.114		12mm							
Ant 8	Back	0.791	1.147	12mm	-8.9	-73.1	-204	133.3	1.94	0.02	Not required
Ant 4		0.799		12mm							
WLAN 5G Ant5+7		0.234		12mm							
BT Ant 2		0.114		12mm	-64.6	48	-204				
No.24 Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	0.791	1.065	12mm	5.2	-73.3	-204	134.6	1.86	0.02	Not required
Ant 6		0.717		12mm	14	61	-204				
WLAN 5G Ant5+7		0.234		12mm							
BT Ant 2		0.114		12mm							
Ant 8	Back	0.791	1.065	12mm	-8.9	-73.1	-204	150.0	1.86	0.02	Not required
Ant 6		0.717		12mm							
WLAN 5G Ant5+7		0.234		12mm	-54	70	-204				
BT Ant 2		0.114		12mm							
Ant 8	Back	0.791	1.065	12mm	-8.9	-73.1	-204	133.3	1.86	0.02	Not required
Ant 6		0.717		12mm							



WLAN 5G Ant5+7		0.234		12mm							
BT Ant 2		0.114		12mm	-64.6	48	-204				

<Extremity>

No.1 Band	Position	SAR 10g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	151.3	5.56	0.09	Not required
Ant 3		2.163		0mm	1.4	76	-204				
WLAN 5G Ant5+7		0.712		0mm							
NFC		0.001		0mm							
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	156.1	5.56	0.08	Not required
Ant 3		2.163		0mm							
WLAN 5G Ant5+7		0.712		0mm	5	80	-204				
NFC		0.001		0mm							
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	133.3	5.56	0.10	Not required
Ant 3		2.163		0mm							
WLAN 5G Ant5+7		0.712		0mm							
NFC		0.001		0mm	-49.9	62.8	-204				
No.2 Band	Position	SAR 10g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	2.682	2.682	0mm	-38.5	-70	-204	141.8	5.57	0.09	Not required
Ant 4		2.179		0mm	-54	71	-204				
WLAN 5G Ant5+7		0.712		0mm							
NFC		0.001		0mm							
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	156.1	5.57	0.08	Not required
Ant 4		2.179		0mm							
WLAN 5G Ant5+7		0.712		0mm	5	80	-204				
NFC		0.001		0mm							
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	133.3	5.57	0.10	Not required
Ant 4		2.179		0mm							
WLAN 5G Ant5+7		0.712		0mm							
NFC		0.001		0mm	-49.9	62.8	-204				
No.3 Band	Position	SAR 10g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	148.1	4.84	0.07	Not required
Ant 5		1.447		0mm	10	70	-204				
WLAN 5G Ant5+7		0.712		0mm							
NFC		0.001		0mm							
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	156.1	4.84	0.07	Not required
Ant 5		1.447		0mm							
WLAN 5G Ant5+7		0.712		0mm	5	80	-204				
NFC		0.001		0mm							
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	133.3	4.84	0.08	Not required
Ant 5		1.447		0mm							
WLAN 5G Ant5+7		0.712		0mm							
NFC		0.001		0mm	-49.9	62.8	-204				
No.4 Band	Position	SAR 10g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	133.7	5.39	0.09	Not required
Ant 6		1.999		0mm	-65	61	-204				
WLAN 5G Ant5+7		0.712		0mm							
NFC		0.001		0mm							
Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	156.1	5.39	0.08	Not required
Ant 6		1.999		0mm							
WLAN 5G Ant5+7		0.712		0mm	5	80	-204				
NFC		0.001		0mm							



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Ant 8	Front	2.682	2.682	0mm	-38.2	-70	-204	133.3	5.39	0.09	Not required
Ant 6		1.999	2.712	0mm							
WLAN 5G Ant5+7		0.712		0mm							
NFC		0.001		0mm	-49.9	62.8	-204				

No.5 Band	Position	SAR 10g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Ant 8	Back	2.793	2.793	0mm	-3.5	-65	-204	138.5	5.19	0.09	Not required
Ant 4		2.025	2.397	0mm	-1	73.5	-204				
WLAN 2.4G Ant3+2		0.369		0mm							
NFC		0.003		0mm							
Ant 8	Back	2.793	2.793	0mm	-3.5	-65	-204	163.4	5.19	0.07	Not required
Ant 4		2.025	2.397	0mm							
WLAN 2.4G Ant3+2		0.369		0mm	-61	88	-204				
NFC		0.003		0mm							
Ant 8	Back	2.793	2.793	0mm	-3.5	-65	-204	136.5	5.19	0.09	Not required
Ant 4		2.025	2.397	0mm							
WLAN 2.4G Ant3+2		0.369		0mm							
NFC		0.003		0mm	-12.6	71.2	-204				



17.7 Maximum Reported SAR and SAR Peak Locations

General Note:

1. The maximum reported SAR and SAR Peak Locations corresponding to each position of each frequency band of each antenna in the below tables are as follows.

2. The unit of SAR evaluation is W/kg. The unit of x, y, z with Axis (x, y, z) evaluation is mm.

<Head>

Left Cheek										
Band		Ant0			Ant8			Ant3		
GSM850	SAR (W/kg)		0.183							
	Axis	58.3	266.5	-172.0						
GSM1900	SAR (W/kg)					0.089				
	Axis				63.9	244.3	-168.3			
WCDMA II	SAR (W/kg)					0.24				
	Axis				62.1	245.6	-169.2			
WCDMA IV	SAR (W/kg)					0.213				
	Axis				62.4	245.3	-168.6			
WCDMA V	SAR (W/kg)		0.134							
	Axis	58.1	266.6	-172.0						
LTE Band 71	SAR (W/kg)		0.105							
	Axis	57.6	266.6	-172.0						
LTE Band 12	SAR (W/kg)		0.12							
	Axis	57.8	266.6	-172.0						
LTE Band 13	SAR (W/kg)		0.161							
	Axis	57.7	266.5	-172.0						
LTE Band 2	SAR (W/kg)					0.236				
	Axis				63.2	245.1	-169.2			
LTE Band 7	SAR (W/kg)					0.251				
	Axis				49.3	246.1	-171.2			
LTE Band 26	SAR (W/kg)		0.14							
	Axis	57.7	266.9	-172.2						
LTE Band 66	SAR (W/kg)					0.209				
	Axis				62.5	245.2	-168.6			
LTE Band 41	SAR (W/kg)					0.18				
	Axis				49.5	246.3	-171.2			
FR1 n71	SAR (W/kg)		0.076							
	Axis	57.9	266.8	-172.0						
FR1 n2	SAR (W/kg)					0.147				
	Axis				61.1	245.9	-169.2			
FR1 n7	SAR (W/kg)					0.218				
	Axis				49.9	246.5	-171.2			
FR1 n26	SAR (W/kg)		0.093							
	Axis	57.3	268.8	-172.2						
FR1 n66	SAR (W/kg)					0.14				
	Axis				62.3	245.2	-168.6			
FR1 n41	SAR (W/kg)					0.164		0.771		
	Axis				49.3	246.6	-171.2	24.7	329.8	-171.6
FR1 n77 Part 270	SAR (W/kg)								0.776	
	Axis								32.9	340.1 -170.8

WLAN5GHz Ant5+7	SAR (W/kg)		0.382			WLAN2.4GHz Ant3+2	SAR (W/kg)		0.378	
	Axis	20.7	335	-173.1			Axis	26.2	324.7	-172.1
Bluetooth Ant2	SAR (W/kg)		0.274			WLAN6GHz Ant5+7	SAR (W/kg)		0.278	
	Axis	52.5	324.7	-172.7			Axis	19.8	338.3	-171.4



Left Cheek					
Band			Ant1		
WCDMA V	SAR (W/kg)		0.994		
	Axis	39.6	239.1	-168.7	
LTE Band 71	SAR (W/kg)		0.791		
	Axis	37.5	238.5	-167.8	
LTE Band 12	SAR (W/kg)		0.961		
	Axis	39.0	241.1	-168.8	
LTE Band 13	SAR (W/kg)		0.991		
	Axis	39.6	239.1	-168.7	
LTE Band 26	SAR (W/kg)		0.994		
	Axis	38.8	237.8	-168.0	
LTE Band 41	SAR (W/kg)		0.993		
	Axis	40.8	247.8	-172.0	
FR1 n71	SAR (W/kg)		0.663		
	Axis	37.6	241.8	-168.5	
FR1 n26	SAR (W/kg)		0.992		
	Axis	39.0	241.1	-168.8	
FR1 n41	SAR (W/kg)		0.987		
	Axis	41.1	248.1	-170.8	

WLAN5GHz Ant5+7	SAR (W/kg)		0.382			WLAN2.4GHz Ant3+2	SAR (W/kg)		0.378	
	Axis	20.7	335	-173.1			Axis	26.2	324.7	-172.1
Bluetooth Ant2	SAR (W/kg)		0.274			WLAN6GHz Ant5+7	SAR (W/kg)		0.278	
	Axis	52.5	324.7	-172.7			Axis	19.8	328.3	-171.4

<Hotspot>

Front																			
Band		Ant0			Ant8			Ant3			Ant4			Ant5			Ant6		
GSM850	SAR (W/kg)		0.54																
	Axis	15.5	-56.8	-204.0															
GSM1900	SAR (W/kg)					0.604													
	Axis				-38.7	-73.9	-204.0												
WCDMA II	SAR (W/kg)					0.673						0.336							
	Axis				-38.2	-73.6	-204.0				-51.0	70.9	-204.0						
WCDMA IV	SAR (W/kg)					0.739						0.382							
	Axis				-40.2	-73.5	-204.0				-50.1	75.1	-204.0						
WCDMA V	SAR (W/kg)		0.522																
	Axis	15.8	-56.1	-204.0															
LTE Band 71	SAR (W/kg)		0.434																
	Axis	15.9	-46.8	-204.0															
LTE Band 12	SAR (W/kg)		0.503																
	Axis	15.6	-46.3	-204.0															
LTE Band 13	SAR (W/kg)		0.485																
	Axis	15.8	-46.1	-204.0															
LTE Band 2	SAR (W/kg)					0.686						0.353							
	Axis				-38.8	-74.1	-204.0				-50.8	70.6	-204.0						
LTE Band 7	SAR (W/kg)					0.629						0.527							
	Axis				-35.6	-76.8	-204.0				-62.1	79.1	-204.0						



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LTE Band 26	SAR (W/kg)		0.507																
	Axis	15.7	-56.2	-204.0															
LTE Band 66	SAR (W/kg)					0.734					0.372								
	Axis				-40.1	-73.8	-204.0				-50.8	75.5	-204.0						
LTE Band 41	SAR (W/kg)					0.768					0.481								
	Axis				-35.9	-76.2	-204.0				-62.5	79.2	-204.0						
LTE Band 42 Part27Q	SAR (W/kg)										0.546						0.256		
	Axis										-54.2	71.5	-204.0				-66.3	51.1	-204.0
FR1 n71	SAR (W/kg)		0.423																
	Axis	15.5	-46.5	-204.0															
FR1 n2	SAR (W/kg)					0.745					0.31								
	Axis				-38.5	-73.5	-204.0				-50.5	70.5	-204.0						
FR1 n7	SAR (W/kg)					0.745					0.427								
	Axis				-35.8	-77.0	-204.0				-62.2	73.0	-204.0						
FR1 n26	SAR (W/kg)		0.33																
	Axis	15.5	-57.0	-204.0															
FR1 n66	SAR (W/kg)					0.79					0.324								
	Axis				-40.0	-73.5	-204.0				-50.5	75.0	-204.0						
FR1 n41	SAR (W/kg)					0.6			0.541		0.385								
	Axis				-36.2	-77.2	-204.0	5.0	72.0	-204.0	-62.2	79.0	-204.0						
FR1 n77 Part 27O	SAR (W/kg)										0.531			0.439			0.229		
	Axis										-54.0	71.0	-204.0	14.0	71.0	-204.0	-66.0	51.0	-204.0

WLAN5GHz Ant5+7	SAR (W/kg)		0.41			WLAN2.4GHz Ant3+2	SAR (W/kg)		0.5	
	Axis	5	80	-204			Axis	38.5	42	-204
Bluetooth Ant2	SAR (W/kg)		0.179							
	Axis	13.4	42	-204						

Back																			
Band		Ant0			Ant8			Ant3			Ant4			Ant5			Ant6		
GSM850	SAR (W/kg)		0.687																
	Axis	-48.2	-70.3	-204.0															
GSM1900	SAR (W/kg)					0.707													
	Axis				-9.0	-74.0	-204.0												
WCDMA II	SAR (W/kg)					0.638					0.426								
	Axis				-8.9	-73.1	-204.0				-1.5	74.0	-204.0						
WCDMA IV	SAR (W/kg)					0.789					0.442								
	Axis				5.5	-74.0	-204.0				-2.6	73.1	-204.0						
WCDMA V	SAR (W/kg)		0.68																
	Axis	-48.0	-70.0	-204.0															
LTE Band 71	SAR (W/kg)		0.477																
	Axis	-52.0	-60.0	-204.0															
LTE Band 12	SAR (W/kg)		0.512																
	Axis	-52.1	-60.5	-204.0															
LTE Band 13	SAR (W/kg)		0.631																
	Axis	-52.4	-59.4	-204.0															
LTE Band 2	SAR (W/kg)					0.655					0.216								
	Axis				-8.8	-73.8	-204.0				-1.1	73.8	-204.0						
LTE Band 7	SAR (W/kg)					0.636					0.538								
	Axis				-25.3	-80.5	-204.0				11.0	80.5	-204.0						
LTE Band 26	SAR (W/kg)		0.688																
	Axis																		

[illegible]

WLAN5GHz Ant5+7	SAR (W/kg)	0.634				WLAN2.4GHz Ant3+2	SAR (W/kg)		0.611	
	Axis	-54	70	-204			Axis	-82.8	50	-204
Bluetooth Ant2	SAR (W/kg)	0.178								
	Axis	-64.6	48	-204						

Right Side																
Band		Ant0			Ant3			Ant4			Ant5			Ant7		
GSM850	SAR (W/kg)		0.538													
	Axis	-23.6	43.6	-204.0												
GSM1900	SAR (W/kg)															
	Axis															
WCDMA II	SAR (W/kg)								0.04							
	Axis							-23.8	-45.2	-204.0						
WCDMA IV	SAR (W/kg)								0.025							
	Axis							-26.9	-33.2	-204.0						
WCDMA V	SAR (W/kg)		0.525													
	Axis	-23.5	43.8	-204.0												
LTE Band 71	SAR (W/kg)		0.754													
	Axis	-24.4	25.5	-204.0												
LTE Band 12	SAR (W/kg)		0.924													
	Axis	-24.6	25.1	-204.0												
LTE Band 13	SAR (W/kg)		0.781													
	Axis	-24.4	25.5	-204.0												
LTE Band 2	SAR (W/kg)								0.03							
	Axis							-24.0	-45.0	-204.0						
LTE Band 7	SAR (W/kg)								0.009							
	Axis							-25.9	-71.5	-204.0						
LTE Band 26	SAR (W/kg)		0.588													



	Axis	-24.0	43.5	-204.0														
LTE Band 66	SAR (W/kg)									0.024								
	Axis								-27.0	-33.0	-204.0							
LTE Band 41	SAR (W/kg)									0.016								
	Axis								-25.6	-71.0	-204.0							
LTE Band 42 Part27Q	SAR (W/kg)									0.064						0.114		
	Axis								-25.8	-58.0	-204.0				-24.0	-59.0	-204.0	
FR1 n71	SAR (W/kg)		0.464															
	Axis	-25.0	25.8	-204.0														
FR1 n2	SAR (W/kg)									0.025								
	Axis								-23.8	-45.0	-204.0							
FR1 n7	SAR (W/kg)									0.01								
	Axis								-25.9	-71.0	-204.0							
FR1 n26	SAR (W/kg)		0.38															
	Axis	-23.8	43.5	-204.0														
FR1 n66	SAR (W/kg)									0.014								
	Axis								-26.8	-33.0	-204.0							
FR1 n41	SAR (W/kg)					0.519				0.019								
	Axis				-26.8	-78.0	-204.0	-25.6	-71.0	-204.0								
FR1 n77 Part 270	SAR (W/kg)									0.053			0.531			0.08		
	Axis							-25.6	-58.0	-204.0	-25.6	-70.0	-204.0	-23.8	-59.0	-204.0		

WLAN2.4GHz Ant3+2	SAR (W/kg)	0.634				WLAN5GHz Ant5+7	SAR (W/kg)	0.331				Bluetooth Ant2	SAR (W/kg)	0.289			
	Axis	-25.6	-70	-204			Axis	-48.3	-70	-204			Axis	-27.8	-70	-204	

<Body-worn>

Front																						
Band		Ant0			Ant8			Ant3			Ant4			Ant5			Ant6			Ant7		
GSM850	SAR (W/kg)		0.54																			
	Axis	15.5	-56.8	-204.0																		
GSM1900	SAR (W/kg)					1.046																
	Axis				-38.7	-73.9	-204.0															
WCDMA II	SAR (W/kg)					1.096						0.543										
	Axis				-38.2	-73.6	-204.0				-51.0	70.9	-204.0									
WCDMA IV	SAR (W/kg)					1.119						0.531										
	Axis				-40.2	-73.5	-204.0				-50.1	75.1	-204.0									
WCDMA V	SAR (W/kg)		0.504																			
	Axis	15.8	-56.1	-204.0																		
LTE Band 71	SAR (W/kg)		0.443																			
	Axis	15.9	-46.8	-204.0																		
LTE Band 12	SAR (W/kg)		0.454																			
	Axis	15.6	-46.3	-204.0																		
LTE Band 13	SAR (W/kg)		0.425																			
	Axis	15.8	-46.1	-204.0																		
LTE Band 2	SAR (W/kg)					1.109						0.762										
	Axis				-38.8	-74.1	-204.0				-50.8	70.6	-204.0									
LTE Band 7	SAR (W/kg)					1.036						0.683										
	Axis				-35.6	-76.8	-204.0				-62.1	79.1	-204.0									
LTE Band 26	SAR (W/kg)		0.475																			
	Axis	15.7	-56.2	-204.0																		
LTE Band 66	SAR (W/kg)					1.065						0.629										
	Axis				-40.1	-73.8	-204.0				-50.8	75.5	-204.0									



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LTE Band 41	SAR (W/kg)				1.045				0.776								
	Axis				-35.9	-76.2	-204.0		-62.5	79.2	-204.0						
LTE Band 42 Part27Q	SAR (W/kg)								0.778				0.773			0.055	
	Axis								-54.2	71.5	-204.0		-66.3	51.1	-204.0	-13.8	88.8 -204.0
FR1 n71	SAR (W/kg)		0.255														
	Axis	15.5	-46.5	-204.0													
FR1 n2	SAR (W/kg)				1.061				0.764								
	Axis				-38.5	-73.5	-204.0		-50.5	70.5	-204.0						
FR1 n7	SAR (W/kg)				1.026				0.776								
	Axis				-35.8	-77.0	-204.0		-62.2	73.0	-204.0						
FR1 n26	SAR (W/kg)		0.451														
	Axis	15.5	-57.0	-204.0													
FR1 n66	SAR (W/kg)				1.103				0.766								
	Axis				-40.0	-73.5	-204.0		-50.5	75.0	-204.0						
FR1 n41	SAR (W/kg)				1.002			0.763		0.773							
	Axis				-36.2	-77.2	-204.0	5.0	72.0	-204.0	-62.2	79.0	-204.0				
FR1 n77 Part 270	SAR (W/kg)								0.77			0.781		0.766		0.226	
	Axis								-54.0	71.0	-204.0	14.0	71.0	-204.0	-66.0	51.0	-204.0 -14.0 89.0 -204.0

WLAN5GHz Ant5+7	SAR (W/kg)	0.337				WLAN2.4GHz Ant3+2	SAR (W/kg)	0.316		
	Axis	5	80	-204			Axis	38.5	42	-204
Bluetooth Ant2	SAR (W/kg)	0.289				WLAN6GHz Ant5+7	SAR (W/kg)	0.123		
	Axis	13.4	42	-204			Axis	7.3	92.7	-204

Back																						
Band		Ant0			Ant8			Ant3			Ant4			Ant5			Ant6			Ant7		
GSM850	SAR (W/kg)		0.687																			
	Axis	-48.2	-70.3	-204.0																		
GSM1900	SAR (W/kg)					1.121																
	Axis				-9.0	-74.0	-204.0															
WCDMA II	SAR (W/kg)					1.056						0.767										
	Axis				-8.9	-73.1	-204.0				-1.5	74.0	-204.0									
WCDMA IV	SAR (W/kg)					1.114						0.769										
	Axis				5.5	-74.0	-204.0				-2.6	73.1	-204.0									
WCDMA V	SAR (W/kg)		0.657																			
	Axis	-48.0	-70.0	-204.0																		
LTE Band 71	SAR (W/kg)		0.487																			
	Axis	-52.0	-60.0	-204.0																		
LTE Band 12	SAR (W/kg)		0.462																			
	Axis	-52.1	-60.5	-204.0																		
LTE Band 13	SAR (W/kg)		0.554																			
	Axis	-52.4	-59.4	-204.0																		
LTE Band 2	SAR (W/kg)					1.086						0.457										
	Axis				-8.8	-73.8	-204.0				-1.1	73.8	-204.0									
LTE Band 7	SAR (W/kg)					1.095						0.77										
	Axis				-25.3	-80.5	-204.0				11.0	80.5	-204.0									
LTE Band 26	SAR (W/kg)		0.645																			
	Axis	-47.8	-69.1	-204.0																		
LTE Band 66	SAR (W/kg)					1.059						0.778										
	Axis				5.2	-73.3	-204.0				-2.8	73.8	-204.0									
LTE Band 41	SAR (W/kg)					0.751						0.721										
	Axis				-24.1	-81.3	-204.0				11.3	80.1	-204.0									
LTE Band 42 Part27Q	SAR (W/kg)											0.295						0.328			0.042	
	Axis											4.1	72.5	-204.0				14.3	61.5	-204.0	-27.5	71.1
FR1 n71	SAR (W/kg)		0.258																			



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WLAN5GHz Ant5+7	SAR (W/kg)	0.392				WLAN2.4GHz Ant3+2	SAR (W/kg)	0.396		
	Axis	-54	70	-204			Axis	-82.8	50	-204
Bluetooth Ant2	SAR (W/kg)	0.286				WLAN6GHz Ant5+7	SAR (W/kg)	0.274		
	Axis	-64.6	48	-204			Axis	-51.4	72	-204

WLAN5GHz Ant5+7	SAR (W/kg)	0.337				WLAN2.4GHz Ant3+2	SAR (W/kg)	0.316		
	Axis	5	80	-204			Axis	38.5	42	-204
Bluetooth Ant2	SAR (W/kg)	0.289				WLAN6GHz Ant5+7	SAR (W/kg)	0.123		
	Axis	13.4	42	-204			Axis	7.3	92.7	-204

Sensor ON										
Front										
Band		Ant8			Ant4			Ant6		
WCDMA II	SAR (W/kg)		0.761			0.572				
	Axis	-38.2	-73.6	-204.0	-51.0	70.9	-204.0			
WCDMA IV	SAR (W/kg)		0.774			0.556				
	Axis	-40.2	-73.5	-204.0	-50.1	75.1	-204.0			
LTE Band 2	SAR (W/kg)		0.773			0.503				
	Axis	-38.8	-74.1	-204.0	-50.8	70.6	-204.0			



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LTE Band 7	SAR (W/kg)		0.523			0.673				
	Axis	-35.6	-76.8	-204.0	-62.1	79.1	-204.0			
LTE Band 66	SAR (W/kg)		0.741			0.513				
	Axis	-40.1	-73.8	-204.0	-50.8	75.5	-204.0			
LTE Band 41	SAR (W/kg)		0.363			0.335				
	Axis	-35.9	-76.2	-204.0	-62.5	79.2	-204.0			
LTE Band 42 Part27Q	SAR (W/kg)					0.532			0.646	
	Axis				-54.2	71.5	-204.0	-66.3	51.1	-204.0
FR1 n2	SAR (W/kg)		0.484			0.255				
	Axis	-38.5	-73.5	-204.0	-50.5	70.5	-204.0			
FR1 n7	SAR (W/kg)		0.392			0.604				
	Axis	-35.8	-77.0	-204.0	-62.2	73.0	-204.0			
FR1 n66	SAR (W/kg)		0.55			0.267				
	Axis	-40.0	-73.5	-204.0	-50.5	75.0	-204.0			
FR1 n41	SAR (W/kg)		0.33			0.739				
	Axis	-36.2	-77.2	-204.0	-62.2	79.0	-204.0			
FR1 n77 Part 27O	SAR (W/kg)					0.479			0.584	
	Axis				-54.0	71.0	-204.0	-66.0	51.0	-204.0

WLAN5GHz Ant5+7	SAR (W/kg)	0.328				WLAN2.4GHz Ant3+2	SAR (W/kg)	0.438		
	Axis	5	80	-204			Axis	38.5	42	-204
Bluetooth Ant2	SAR (W/kg)	0.16								
	Axis	13.4	42	-204						

Back										
Band		Ant8			Ant4			Ant6		
WCDMA II	SAR (W/kg)		0.753			0.654				
	Axis	-8.9	-73.1	-204.0	-1.5	74.0	-204.0			
WCDMA IV	SAR (W/kg)		0.761			0.56				
	Axis	5.5	-74.0	-204.0	-2.6	73.1	-204.0			
LTE Band 2	SAR (W/kg)		0.783			0.741				
	Axis	-8.8	-73.8	-204.0	-1.1	73.8	-204.0			
LTE Band 7	SAR (W/kg)		0.529			0.687				
	Axis	-25.3	-80.5	-204.0	11.0	80.5	-204.0			
LTE Band 66	SAR (W/kg)		0.791			0.609				
	Axis	5.2	-73.3	-204.0	-2.8	73.8	-204.0			
LTE Band 41	SAR (W/kg)		0.279			0.623				
	Axis	-24.1	-81.3	-204.0	11.3	80.1	-204.0			
LTE Band 42 Part27Q	SAR (W/kg)					0.651			0.717	
	Axis				4.1	72.5	-204.0	14.3	61.5	-204.0
FR1 n2	SAR (W/kg)		0.535			0.364				
	Axis	-8.5	-73.5	-204.0	-1.0	73.5	-204.0			
FR1 n7	SAR (W/kg)		0.388			0.755				
	Axis	-25.0	-81.0	-204.0	11.3	80.1	-204.0			
FR1 n66	SAR (W/kg)		0.599			0.353				
	Axis	5.0	-73.5	-204.0	-2.5	73.5	-204.0			
FR1 n41	SAR (W/kg)		0.316			0.799				
	Axis	-25.0	-81.0	-204.0	11.0	80.0	-204.0			
FR1 n77 Part 27O	SAR (W/kg)					0.454			0.649	
	Axis				4.0	72.0	-204.0	14.0	61.0	-204.0

WLAN5GHz Ant5+7	SAR (W/kg)	0.234				WLAN2.4GHz Ant3+2	SAR (W/kg)	0.262		
	Axis	-54	70	-204			Axis	-82.8	50	-204
Bluetooth Ant2	SAR (W/kg)	0.114								
	Axis	-64.6	48	-204						



<Extremity>

Front																
Band		Ant8			Ant3			Ant4			Ant5			Ant6		
WCDMA II	SAR (W/kg)		2.593						1.656							
	Axis	-40.2	-74.0	-204.0				-53.6	75.0	-204.0						
WCDMA IV	SAR (W/kg)		2.682						1.457							
	Axis	-40.5	-73.6	-204.0				-54.0	75.0	-204.0						
LTE Band 2	SAR (W/kg)		2.552						1.733							
	Axis	-40.0	-73.8	-204.0				-53.8	75.0	-204.0						
LTE Band 7	SAR (W/kg)		2.313						2.171							
	Axis	-38.5	-70.0	-204.0				-62.5	80.0	-204.0						
LTE Band 66	SAR (W/kg)		2.372						1.482							
	Axis	-40.2	-73.8	-204.0				-53.8	75.0	-204.0						
LTE Band 41	SAR (W/kg)		1.613						2.175							
	Axis	-38.5	-70.0	-204.0				-62.3	80.0	-204.0						
LTE Band 42 Part27Q	SAR (W/kg)								2.166						1.679	
	Axis							-54.3	71.2	-204.0				-65.0	61.2	-204.0
FR1 n2	SAR (W/kg)		2.37						2.004							
	Axis	-40.0	-73.5	-204.0				-53.5	75.0	-204.0						
FR1 n7	SAR (W/kg)		2.425						1.675							
	Axis	-38.2	-70.0	-204.0				-62.2	80.0	-204.0						
FR1 n66	SAR (W/kg)		2.654						1.708							
	Axis	-40.0	-73.5	-204.0				-53.5	75.0	-204.0						
FR1 n41	SAR (W/kg)		1.775			2.163			2.179							
	Axis	-38.2	-70.0	-204.0	1.4	76.0	-204.0	-62.2	80.0	-204.0						
FR1 n77 Part 27O	SAR (W/kg)								2.135			1.178			1.999	
	Axis							-54.0	71.0	-204.0	10.0	70.0	-204.0	-65.0	61.0	-204.0

WLAN5GHz Ant5+7	SAR (W/kg)	0.712			NFC	SAR (W/kg)	0.001			WLAN6GHz Ant5+7	SAR (W/kg)	0.319		
	Axis	5	80	-204		Axis	-49.9	62.8	-204		Axis	5	83	-204

Back							
Band		Ant8			Ant4		
WCDMA II	SAR (W/kg)		2.44			1.098	
	Axis	-1.5	-77.0	-204.0	-1.0	73.8	-204.0
WCDMA IV	SAR (W/kg)		2.793			1.117	
	Axis	2.0	-73.3	-204.0	-8.6	73.6	-204.0
LTE Band 2	SAR (W/kg)		2.54			0.524	
	Axis	-1.2	-76.8	-204.0	-1.0	73.5	-204.0
LTE Band 7	SAR (W/kg)		2.302			2.001	
	Axis	-2.5	-67.0	-204.0	11.0	80.1	-204.0
LTE Band 66	SAR (W/kg)		2.502			1.109	
	Axis	2.0	-73.6	-204.0	-8.5	73.5	-204.0
LTE Band 41	SAR (W/kg)		1.665			2.025	
	Axis	-3.5	-65.0	-204.0	11.0	80.3	-204.0
FR1 n2	SAR (W/kg)		2.741				
	Axis	-1.0	-76.5	-204.0			
FR1 n7	SAR (W/kg)		2.283			0.482	
	Axis	-2.2	-67.0	-204.0	11.0	80.0	-204.0
FR1 n66	SAR (W/kg)		2.718				
	Axis	2.0	-73.5	-204.0			
FR1 n41	SAR (W/kg)		1.621			0.575	
	Axis	-3.4	-65.0	-204.0	11.0	80.0	-204.0

WLAN2.4GHz Ant3+2	SAR (W/kg)	0.369			NFC	SAR (W/kg)	0.003			WLAN5GHz Ant5+7	SAR (W/kg)	0.172		
	Axis	-61.0	88.0	-204.0		Axis	-12.6	71.2	-204.0		Axis	-84.0	90.0	-204.0

18. Supplemental Tuner Tests Results

General Note:

1. This device implements impedance tuner (255 states) antenna tuning techniques in the LTE Band 5/26/71, and 5GNR n5/n26/n71 for ANT1.
2. SAR is measured according to required procedures for each mode of operation with the dynamic tuner active, allowing the DUT to automatically tune and find the best impedance match. The auto-tune state determined by device during normal SAR measurement shall be verified and listed in the reported SAR results. This process is based on single point SAR evaluations to verify that the conditions leading to the largest SAR have been captured. The SAR probe shall remain stationary for the entire series of measurements. The functionality of the tuner configurations is checked to ensure that the tuned state corresponds to the maximum SAR for that particular transmission configuration.
3. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
4. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
5. Per KDB388624 D02v18r08, for each air interface, exposure condition, and antenna that supports dynamic antenna tuning (DAT), the following procedure shall be followed:
 - 5.1 An area scan is performed with the DUT positioned for the exposure condition with auto-tuner enabled to determine the peak SAR location.
 - 5.2 A single-point SAR measurement (i.e., time sweep) is performed at the peak SAR location of step 5.1 (that is, with auto-tuner enabled). The auto-tuner state shall be recorded, after verifying that it is stable. If fluctuations occur, the scan procedure can be restarted, or the state with the highest SAR needs to be recorded.
 - 5.3 Without moving the probe, or introducing any other perturbation, the auto-tuner shall be disabled, and two other adjacent tune states shall be chosen by increasing and decreasing the state identification number by 1.
 - 5.4 A single point SAR measurement is then performed on both chosen adjacent states and compared with the value of step 5.2. The measured SAR for auto-tuner disabled is expected to be less than or equal to the recorded SAR of step 5.2.
 - a. If the measured SAR is higher beyond documented tolerance, then the auto-tuning feature is not working as intended and is not suitable for compliance. DAT functionality shall be removed or adjusted by the manufacturer.
 - b. If the measured SAR is higher than the value of step 5.2 but within tolerance, the next adjacent state(s) shall be chosen and the measure repeated until a lower SAR value can be shown; otherwise, the DAT is considered inoperative and shall be removed or adjusted by the manufacturer.
 - 5.5 Repeat step 5.2 with auto-tuning enabled as a test for variability within tolerance: the previous measured value in step 5.2 shall be recovered. If the measured SAR is outside the expected tolerance, then the auto-tuning feature is considered not working as intended and not suitable for compliance. DAT functionality shall be removed or adjusted by the manufacturer
6. If any single-point SAR measurement result is >1.4 W/kg for 1gSAR or >3.5 W/kg for 10gSAR, then all tune states for that particular combination of air interface, exposure condition, and antenna selection shall be evaluated with single-point SAR measurements.
7. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

18.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix H.

Test Engineer : Martin Li, Varus Wang, Light Wang, Ricky Gu

19. 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.

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor ^(a)	$1/k^{(b)}$	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) k is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Uncertainty Budget According to IEC/IEEE 62209-1528 (Frequency band: 4 MHz - 10 GHz range)							
Error Description	Uncert. Value (±%)	Prob. Dist.	Div.	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System errors							
Probe calibration	18.6	N	2	1	1	9.3	9.3
Probe calibration drift	1.7	R	1.732	1	1	1.0	1.0
Probe linearity and detection Limit	4.7	R	1.732	1	1	2.7	2.7
Broadband signal	2.8	R	1.732	1	1	1.6	1.6
Probe isotropy	7.6	R	1.732	1	1	4.4	4.4
Other probe and data acquisition errors	2.4	N	1	1	1	2.4	2.4
RF ambient and noise	1.8	N	1	1	1	1.8	1.8
Probe positioning errors	0.006	N	1	0.5	0.5	0.0	0.0
Data processing errors	4.0	N	1	1	1	4.0	4.0
Phantom and Device Errors							
Measurement of phantom conductivity (σ)	2.5	N	1	0.78	0.71	2.0	1.8
Temperature effects (medium)	5.4	R	1.732	0.78	0.71	2.4	2.2
Shell permittivity	14.0	R	1.732	0.5	0.5	4.0	4.0
Distance between the radiating element of the DUT and the phantom medium	2.0	N	1	2	2	4.0	4.0
Repeatability of positioning the DUT or source against the phantom	1.0	N	1	1	1	1.0	1.0
Device holder effects	3.6	N	1	1	1	3.6	3.6
Effect of operating mode on probe sensitivity	2.4	R	1.732	1	1	1.4	1.4
Time-average SAR	1.7	R	1.732	1	1	1.0	1.0
Variation in SAR due to drift in output of DUT	2.5	N	1	1	1	2.5	2.5
Validation antenna uncertainty (validation measurement only)	0.0	N	1	1	1	0.0	0.0
Uncertainty in accepted power (validation measurement only)	0.0	N	1	1	1	0.0	0.0
Correction to the SAR results							
Phantom deviation from target (ϵ' , σ)	1.9	N	1	1	0.84	1.9	1.6
SAR scaling	0.0	R	1.732	1	1	0.0	0.0
Combined Std. Uncertainty						14.5%	14.4%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.8%

SAR Uncertainty Budget for frequency range 4MHz to 10GHz

cDASY6 Module mmWave Uncertainty Budget Evaluation Distances to the Antennas > $\lambda/2\pi$ In Compliance with IEC TR 63170					
Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Uncertainty terms dependent on the measurement system					
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependence	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	2.00	R	1.732	1	1.15
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dependent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT		R	1.732	1	
Combined Std. Uncertainty					1.34
Expanded STD Uncertainty (95%)					2.68

PD Uncertainty Budget

20. 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
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- [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.
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- [11] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
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- [14] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [15] IEC/IEEE 62209-1528:2020, "Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)", Oct. 2020
- [16] IEC 62479:2010 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
- [17] IEC TR 63170: 2018 Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz
- [18] SPEAG DASY6 Application Note (Interim Procedures for Devices Operating at 6-10 GHz)

Appendixes

Please refer to separated files for the following appendixes

Appendix A. Plots of System Performance Check

Appendix B. Plots of High SAR and PD Measurement

Appendix C. DASY Calibration Certificate

Appendix D. Test Setup Photos

Appendix E. Conducted RF Output Power Table

Appendix F. Power measurement connection diagram and CA Conducted RF Output Power Table

Appendix G. Power reduction mechanism verification

Appendix H. Supplemental Tuner Head & Body SAR Results

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