

4.6 SAR Testing Results

4.6.1 SAR Test Reduction Considerations

<KDB 447498 D01, General RF Exposure Guidance>

Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:

- (1) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- (2) ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- (3) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

<KDB 941225 D01, 3G SAR Measurement Procedures>

The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

<KDB 941225 D05, SAR Evaluation Considerations for LTE Devices>

(1) QPSK with 1 RB and 50% RB allocation

Start with the largest channel bandwidth and measure SAR, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

(2) QPSK with 100% RB allocation

SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

(3) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> 1/2$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

(4) Other channel bandwidth

SAR is required when the highest maximum output power of the smaller channel bandwidth is $> 1/2$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

<KDB 248227 D01, SAR Guidance for Wi-Fi Transmitters>

- (1) For handsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is ≤ 0.4 W/kg, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
- (2) For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is ≤ 0.8 W/kg, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is ≤ 1.2 W/kg.
- (3) For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is ≤ 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is ≤ 1.2 W/kg.
- (4) For WLAN MIMO mode, the power-based standalone SAR test exclusion or the sum of SAR provision in KDB 447498 to determine simultaneous transmission SAR test exclusion should be applied. Otherwise, SAR for MIMO mode will be measured with all applicable antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

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4.6.2 SAR Results for Head Exposure Condition

Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS11	Right Cheek	189	-	-	Full	Ant0	-	29.5	29.19	0.01	0.204	1.00	1.07	0.22
	GSM850	GPRS11	Right Tilted	189	-	-	Full	Ant0	-	29.5	29.19	-0.12	0.103	1.00	1.07	0.11
	GSM850	GPRS11	Left Cheek	189	-	-	Full	Ant0	-	29.5	29.19	0.02	0.159	1.00	1.07	0.17
	GSM850	GPRS11	Left Tilted	189	-	-	Full	Ant0	-	29.5	29.19	0.11	0.114	1.00	1.07	0.12
1	GSM850	GPRS11	Right Cheek	189	-	-	Full	Ant1	-	29.5	29.37	-0.02	0.762	1.00	1.03	0.79
	GSM850	GPRS11	Right Tilted	189	-	-	Full	Ant1	-	29.5	29.37	0.10	0.510	1.00	1.03	0.53
	GSM850	GPRS11	Left Cheek	189	-	-	Full	Ant1	-	29.5	29.37	-0.01	0.731	1.00	1.03	0.75
	GSM850	GPRS11	Left Tilted	189	-	-	Full	Ant1	-	29.5	29.37	0.08	0.550	1.00	1.03	0.57
	GSM1900	GPRS11	Right Cheek	810	-	-	Full	Ant0	-	26.5	24.89	0.00	0.115	1.00	1.45	0.17
	GSM1900	GPRS11	Right Tilted	810	-	-	Full	Ant0	-	26.5	24.89	0.16	0.067	1.00	1.45	0.10
	GSM1900	GPRS11	Left Cheek	810	-	-	Full	Ant0	-	26.5	24.89	0.03	0.164	1.00	1.45	0.24
	GSM1900	GPRS11	Left Tilted	810	-	-	Full	Ant0	-	26.5	24.89	0.02	0.098	1.00	1.45	0.14
	GSM1900	GPRS10	Right Cheek	810	-	-	Reduce	Ant1	-	24	22.65	0.01	0.699	1.00	1.36	0.95
2	GSM1900	GPRS10	Right Tilted	810	-	-	Reduce	Ant1	-	24	22.65	0.09	0.801	1.00	1.36	1.09
	GSM1900	GPRS10	Left Cheek	810	-	-	Reduce	Ant1	-	24	22.65	-0.04	0.491	1.00	1.36	0.67
	GSM1900	GPRS10	Left Tilted	810	-	-	Reduce	Ant1	-	24	22.65	0.11	0.543	1.00	1.36	0.74
	GSM1900	GPRS10	Right Cheek	512	-	-	Reduce	Ant1	-	24	22.34	0.02	0.433	1.00	1.47	0.63
	GSM1900	GPRS10	Right Tilted	512	-	-	Reduce	Ant1	-	24	22.34	-0.08	0.535	1.00	1.45	0.78
	GSM1900	GPRS10	Right Tilted	512	-	-	Reduce	Ant1	-	24	22.34	0.01	0.506	1.00	1.47	0.74
	GSM1900	GPRS10	Right Tilted	661	-	-	Reduce	Ant1	-	24	22.38	0.05	0.630	1.00	1.45	0.91
	WCDMA II	RMC12.2K	Right Cheek	9538	-	-	Full	Ant0	-	25.5	24.39	0.01	0.215	1.00	1.29	0.28
	WCDMA II	RMC12.2K	Right Tilted	9538	-	-	Full	Ant0	-	25.5	24.39	0.07	0.203	1.00	1.29	0.26
	WCDMA II	RMC12.2K	Left Cheek	9538	-	-	Full	Ant0	-	25.5	24.39	0.15	0.382	1.00	1.29	0.49
	WCDMA II	RMC12.2K	Left Tilted	9538	-	-	Full	Ant0	-	25.5	24.39	-0.09	0.200	1.00	1.29	0.26
	WCDMA II	RMC12.2K	Right Cheek	9538	-	-	Reduce	Ant1	-	16.5	15.79	0.02	0.524	1.00	1.18	0.62
3	WCDMA II	RMC12.2K	Right Tilted	9538	-	-	Reduce	Ant1	-	16.5	15.79	0.18	0.624	1.00	1.18	0.73
	WCDMA II	RMC12.2K	Left Cheek	9538	-	-	Reduce	Ant1	-	16.5	15.79	0.05	0.185	1.00	1.18	0.22
	WCDMA II	RMC12.2K	Left Tilted	9538	-	-	Reduce	Ant1	-	16.5	15.79	0.10	0.206	1.00	1.18	0.24
	WCDMA IV	RMC12.2K	Right Cheek	1312	-	-	Full	Ant0	-	25.5	24.22	0.10	0.175	1.00	1.34	0.23
	WCDMA IV	RMC12.2K	Right Tilted	1312	-	-	Full	Ant0	-	25.5	24.22	0.08	0.108	1.00	1.34	0.15
	WCDMA IV	RMC12.2K	Left Cheek	1312	-	-	Full	Ant0	-	25.5	24.22	0.03	0.120	1.00	1.34	0.16
	WCDMA IV	RMC12.2K	Left Tilted	1312	-	-	Full	Ant0	-	25.5	24.22	0.03	0.100	1.00	1.34	0.13
	WCDMA IV	RMC12.2K	Right Cheek	1312	-	-	Reduce	Ant1	-	16.5	15.61	0.07	0.609	1.00	1.23	0.75
	WCDMA IV	RMC12.2K	Right Tilted	1312	-	-	Reduce	Ant1	-	16.5	15.61	0.12	0.675	1.00	1.23	0.83
	WCDMA IV	RMC12.2K	Left Cheek	1312	-	-	Reduce	Ant1	-	16.5	15.61	-0.03	0.389	1.00	1.23	0.48
	WCDMA IV	RMC12.2K	Left Tilted	1312	-	-	Reduce	Ant1	-	16.5	15.61	0.01	0.518	1.00	1.23	0.64
	WCDMA IV	RMC12.2K	Right Tilted	1413	-	-	Reduce	Ant1	-	16.5	15.56	0.09	0.743	1.00	1.24	0.92
4	WCDMA IV	RMC12.2K	Right Tilted	1513	-	-	Reduce	Ant1	-	16.5	15.4	0.03	0.770	1.00	1.29	0.99
	WCDMA V	RMC12.2K	Right Cheek	4132	-	-	Full	Ant0	-	25.5	24.19	-0.10	0.215	1.00	1.35	0.29
	WCDMA V	RMC12.2K	Right Tilted	4132	-	-	Full	Ant0	-	25.5	24.19	0.00	0.099	1.00	1.35	0.13
	WCDMA V	RMC12.2K	Left Cheek	4132	-	-	Full	Ant0	-	25.5	24.19	0.07	0.131	1.00	1.35	0.18
	WCDMA V	RMC12.2K	Left Tilted	4132	-	-	Full	Ant0	-	25.5	24.19	0.07	0.071	1.00	1.35	0.10
5	WCDMA V	RMC12.2K	Right Cheek	4132	-	-	Reduce	Ant1	-	24.5	23.25	-0.02	0.574	1.00	1.33	0.77
	WCDMA V	RMC12.2K	Right Tilted	4132	-	-	Reduce	Ant1	-	24.5	23.25	-0.04	0.411	1.00	1.33	0.55
	WCDMA V	RMC12.2K	Left Cheek	4132	-	-	Reduce	Ant1	-	24.5	23.25	0.11	0.465	1.00	1.33	0.62
	WCDMA V	RMC12.2K	Left Tilted	4132	-	-	Reduce	Ant1	-	24.5	23.25	0.03	0.369	1.00	1.33	0.49
	LTE 2	QPSK20M	Right Cheek	18900	1	50	Full	Ant0	-	25.5	24.1	0.07	0.257	1.00	1.38	0.35
	LTE 2	QPSK20M	Right Tilted	18900	1	50	Full	Ant0	-	25.5	24.1	0.07	0.190	1.00	1.38	0.26
	LTE 2	QPSK20M	Left Cheek	18900	1	50	Full	Ant0	-	25.5	24.1	-0.06	0.342	1.00	1.38	0.47
	LTE 2	QPSK20M	Left Tilted	18900	1	50	Full	Ant0	-	25.5	24.1	0.01	0.189	1.00	1.38	0.26
	LTE 2	QPSK20M	Right Cheek	18900	50	25	Full	Ant0	-	24.5	23.12	0.08	0.212	1.00	1.37	0.29
	LTE 2	QPSK20M	Right Tilted	18900	50	25	Full	Ant0	-	24.5	23.12	-0.06	0.119	1.00	1.37	0.16
	LTE 2	QPSK20M	Left Cheek	18900	50	25	Full	Ant0	-	24.5	23.12	0.04	0.263	1.00	1.37	0.36
	LTE 2	QPSK20M	Left Tilted	18900	50	25	Full	Ant0	-	24.5	23.12	0.12	0.131	1.00	1.37	0.18
	LTE 2	QPSK20M	Right Cheek	18900	1	50	Reduce	Ant1	-	16.5	15.83	-0.18	0.616	1.00	1.17	0.72
	LTE 2	QPSK20M	Right Tilted	18900	1	50	Reduce	Ant1	-	16.5	15.83	-0.10	0.736	1.00	1.17	0.86
	LTE 2	QPSK20M	Left Cheek	18900	1	50	Reduce	Ant1	-	16.5	15.83	0.00	0.433	1.00	1.17	0.51
	LTE 2	QPSK20M	Left Tilted	18900	1	50	Reduce	Ant1	-	16.5	15.83	0.03	0.554	1.00	1.17	0.65
	LTE 2	QPSK20M	Right Cheek	18900	50	25	Reduce	Ant1	-	16.5	15.56	0.00	0.633	1.00	1.24	0.79
	LTE 2	QPSK20M	Right Tilted	18900	50	25	Reduce	Ant1	-	16.5	15.56	0.02	0.726	1.00	1.24	0.90
	LTE 2	QPSK20M	Left Cheek	18900	50	25	Reduce	Ant1	-	16.5	15.56	0.05	0.419	1.00	1.24	0.52



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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 2	QPSK20M	Left Tilted	18900	50	25	Reduce	Ant1	-	16.5	15.56	-0.01	0.551	1.00	1.24	0.68
	LTE 2	QPSK20M	Right Tilted	18700	1	50	Reduce	Ant1	-	16.5	15.68	-0.01	0.729	1.00	1.21	0.88
	LTE 2	QPSK20M	Right Tilted	19100	1	50	Reduce	Ant1	-	16.5	15.77	0.14	0.612	1.00	1.18	0.72
6	LTE 2	QPSK20M	Right Tilted	18700	50	25	Reduce	Ant1	-	16.5	15.43	-0.04	0.745	1.00	1.28	0.95
	LTE 2	QPSK20M	Right Tilted	19100	50	25	Reduce	Ant1	-	16.5	15.5	0.17	0.609	1.00	1.26	0.77
	LTE 2	QPSK20M	Right Tilted	18900	100	0	Reduce	Ant1	-	16.5	15.46	0.03	0.716	1.00	1.27	0.91
	LTE 4	QPSK20M	Right Cheek	20050	1	50	Full	Ant0	-	25.5	24.15	0.04	0.170	1.00	1.36	0.23
	LTE 4	QPSK20M	Right Tilted	20050	1	50	Full	Ant0	-	25.5	24.15	-0.11	0.084	1.00	1.36	0.11
	LTE 4	QPSK20M	Left Cheek	20050	1	50	Full	Ant0	-	25.5	24.15	0.16	0.151	1.00	1.36	0.21
	LTE 4	QPSK20M	Left Tilted	20050	1	50	Full	Ant0	-	25.5	24.15	0.01	0.129	1.00	1.36	0.18
	LTE 4	QPSK20M	Right Cheek	20050	50	25	Full	Ant0	-	24.5	23.26	0.06	0.145	1.00	1.33	0.19
	LTE 4	QPSK20M	Right Tilted	20050	50	25	Full	Ant0	-	24.5	23.26	-0.10	0.087	1.00	1.33	0.12
	LTE 4	QPSK20M	Left Cheek	20050	50	25	Full	Ant0	-	24.5	23.26	0.11	0.124	1.00	1.33	0.17
	LTE 4	QPSK20M	Left Tilted	20050	50	25	Full	Ant0	-	24.5	23.26	0.03	0.105	1.00	1.33	0.14
	LTE 4	QPSK20M	Right Cheek	20050	1	50	Reduce	Ant1	-	16.5	15.8	0.14	0.595	1.00	1.17	0.70
	LTE 4	QPSK20M	Right Tilted	20050	1	50	Reduce	Ant1	-	16.5	15.8	-0.05	0.709	1.00	1.17	0.83
	LTE 4	QPSK20M	Left Cheek	20050	1	50	Reduce	Ant1	-	16.5	15.8	0.03	0.428	1.00	1.17	0.50
	LTE 4	QPSK20M	Left Tilted	20050	1	50	Reduce	Ant1	-	16.5	15.8	0.02	0.543	1.00	1.17	0.64
	LTE 4	QPSK20M	Right Cheek	20050	50	25	Reduce	Ant1	-	16.5	15.54	0.05	0.595	1.00	1.25	0.74
	LTE 4	QPSK20M	Right Tilted	20050	50	25	Reduce	Ant1	-	16.5	15.54	0.05	0.696	1.00	1.25	0.87
	LTE 4	QPSK20M	Left Cheek	20050	50	25	Reduce	Ant1	-	16.5	15.54	0.08	0.407	1.00	1.25	0.51
	LTE 4	QPSK20M	Left Tilted	20050	50	25	Reduce	Ant1	-	16.5	15.54	0.10	0.522	1.00	1.25	0.65
	LTE 4	QPSK20M	Right Tilted	20175	1	50	Reduce	Ant1	-	16.5	15.75	0.04	0.729	1.00	1.19	0.87
	LTE 4	QPSK20M	Right Tilted	20300	1	50	Reduce	Ant1	-	16.5	15.63	-0.11	0.734	1.00	1.22	0.90
	LTE 4	QPSK20M	Right Tilted	20175	50	25	Reduce	Ant1	-	16.5	15.47	0.11	0.740	1.00	1.27	0.94
7	LTE 4	QPSK20M	Right Tilted	20300	50	25	Reduce	Ant1	-	16.5	15.35	0.03	0.748	1.00	1.30	0.97
	LTE 4	QPSK20M	Right Tilted	20050	100	0	Reduce	Ant1	-	16.5	15.44	0.12	0.679	1.00	1.28	0.87
	LTE 5	QPSK10M	Right Cheek	20525	1	0	Full	Ant0	-	25.5	24.03	0.04	0.182	1.00	1.40	0.26
	LTE 5	QPSK10M	Right Tilted	20525	1	0	Full	Ant0	-	25.5	24.03	0.11	0.086	1.00	1.40	0.12
	LTE 5	QPSK10M	Left Cheek	20525	1	0	Full	Ant0	-	25.5	24.03	-0.07	0.154	1.00	1.40	0.22
	LTE 5	QPSK10M	Left Tilted	20525	1	0	Full	Ant0	-	25.5	24.03	-0.02	0.083	1.00	1.40	0.12
	LTE 5	QPSK10M	Right Cheek	20525	25	12	Full	Ant0	-	24.5	23.14	-0.07	0.142	1.00	1.37	0.19
	LTE 5	QPSK10M	Right Tilted	20525	25	12	Full	Ant0	-	24.5	23.14	0.06	0.073	1.00	1.37	0.10
	LTE 5	QPSK10M	Left Cheek	20525	25	12	Full	Ant0	-	24.5	23.14	0.12	0.134	1.00	1.37	0.18
	LTE 5	QPSK10M	Left Tilted	20525	25	12	Full	Ant0	-	24.5	23.14	0.15	0.067	1.00	1.37	0.09
8	LTE 5	QPSK10M	Right Cheek	20525	1	24	Reduce	Ant1	-	24.5	23.37	0.11	0.611	1.00	1.30	0.79
	LTE 5	QPSK10M	Right Tilted	20525	1	24	Reduce	Ant1	-	24.5	23.37	-0.17	0.453	1.00	1.30	0.59
	LTE 5	QPSK10M	Left Cheek	20525	1	24	Reduce	Ant1	-	24.5	23.37	0.06	0.573	1.00	1.30	0.74
	LTE 5	QPSK10M	Left Tilted	20525	1	24	Reduce	Ant1	-	24.5	23.37	0.01	0.502	1.00	1.30	0.65
	LTE 5	QPSK10M	Right Cheek	20525	25	12	Reduce	Ant1	-	23.5	23.21	-0.03	0.598	1.00	1.07	0.64
	LTE 5	QPSK10M	Right Tilted	20525	25	12	Reduce	Ant1	-	23.5	23.21	0.10	0.445	1.00	1.07	0.48
	LTE 5	QPSK10M	Left Cheek	20525	25	12	Reduce	Ant1	-	23.5	23.21	0.00	0.563	1.00	1.07	0.60
	LTE 5	QPSK10M	Left Tilted	20525	25	12	Reduce	Ant1	-	23.5	23.21	0.08	0.476	1.00	1.07	0.51
	LTE 7	QPSK20M	Right Cheek	21350	1	50	Full	Ant0	-	25.5	24.18	0.04	0.036	1.00	1.36	0.05
	LTE 7	QPSK20M	Right Tilted	21350	1	50	Full	Ant0	-	25.5	24.18	0.01	0.022	1.00	1.36	0.03
	LTE 7	QPSK20M	Left Cheek	21350	1	50	Full	Ant0	-	25.5	24.18	-0.12	0.025	1.00	1.36	0.03
	LTE 7	QPSK20M	Left Tilted	21350	1	50	Full	Ant0	-	25.5	24.18	0.09	0.016	1.00	1.36	0.02
	LTE 7	QPSK20M	Right Cheek	21350	50	25	Full	Ant0	-	24.5	22.23	0.01	0.027	1.00	1.69	0.05
	LTE 7	QPSK20M	Right Tilted	21350	50	25	Full	Ant0	-	24.5	22.23	-0.19	0.017	1.00	1.69	0.03
	LTE 7	QPSK20M	Left Cheek	21350	50	25	Full	Ant0	-	24.5	22.23	-0.07	0.019	1.00	1.69	0.03
	LTE 7	QPSK20M	Left Tilted	21350	50	25	Full	Ant0	-	24.5	22.23	0.14	0.012	1.00	1.69	0.02
	CA_7C	QPSK20M	Right Cheek	PCC:20850 SCC:21048	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	-	25.5	23.86	-0.16	0.033	1.00	1.46	0.05
	CA_7C	QPSK20M	Right Cheek	PCC:21001 SCC:21199	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	-	25.5	23.89	-0.15	0.030	1.00	1.45	0.04
	CA_7C	QPSK20M	Right Cheek	PCC:21152 SCC:21350	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	-	25.5	23.92	0.07	0.028	1.00	1.44	0.04
	LTE 7	QPSK20M	Right Cheek	21350	1	50	Reduce	Ant1	-	19	18.07	-0.14	0.489	1.00	1.24	0.61
	LTE 7	QPSK20M	Right Tilted	21350	1	50	Reduce	Ant1	-	19	18.07	0.09	0.549	1.00	1.24	0.68
	LTE 7	QPSK20M	Left Cheek	21350	1	50	Reduce	Ant1	-	19	18.07	-0.11	0.365	1.00	1.24	0.45
	LTE 7	QPSK20M	Left Tilted	21350	1	50	Reduce	Ant1	-	19	18.07	-0.04	0.416	1.00	1.24	0.52
	LTE 7	QPSK20M	Right Cheek	21350	50	25	Reduce	Ant1	-	19	17.79	0.08	0.469	1.00	1.32	0.62
9	LTE 7	QPSK20M	Right Tilted	21350	50	25	Reduce	Ant1	-	19	17.79	-0.07	0.541	1.00	1.32	0.71
	LTE 7	QPSK20M	Left Cheek	21350	50	25	Reduce	Ant1	-	19	17.79	0.04	0.358	1.00	1.32	0.47
	LTE 7	QPSK20M	Left Tilted	21350	50	25	Reduce	Ant1	-	19	17.79	-0.11	0.410	1.00	1.32	0.54
	CA_7C	QPSK20M	Right Tilted	PCC:20850 SCC:21048	PCC:50 SCC:0	PCC:25 SCC:0	Reduce	Ant1	-	19	17.95	0.07	0.501	1.00	1.27	0.64

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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	CA_7C	QPSK20M	Right Tilted	PCC:21001 SCC:21199	PCC:50 SCC:0	PCC:25 SCC:0	Reduce	Ant1	-	19	17.94	-0.01	0.498	1.00	1.28	0.64
	CA_7C	QPSK20M	Right Tilted	PCC:21152 SCC:21350	PCC:50 SCC:0	PCC:25 SCC:0	Reduce	Ant1	-	19	17.92	0.08	0.522	1.00	1.28	0.67
	LTE 38	QPSK20M	Right Cheek	37850	1	50	Full	Ant0	62.9	25.5	24.02	0.07	0.029	1.01	1.41	0.04
	LTE 38	QPSK20M	Right Tilted	37850	1	50	Full	Ant0	62.9	25.5	24.02	-0.04	0.018	1.01	1.41	0.03
	LTE 38	QPSK20M	Left Cheek	37850	1	50	Full	Ant0	62.9	25.5	24.02	0.00	0.022	1.01	1.41	0.03
	LTE 38	QPSK20M	Left Tilted	37850	1	50	Full	Ant0	62.9	25.5	24.02	-0.16	0.014	1.01	1.41	0.02
	LTE 38	QPSK20M	Right Cheek	37850	50	25	Full	Ant0	62.9	24.5	23.13	0.04	0.021	1.01	1.37	0.03
	LTE 38	QPSK20M	Right Tilted	37850	50	25	Full	Ant0	62.9	24.5	23.13	0.00	0.014	1.01	1.37	0.02
	LTE 38	QPSK20M	Left Cheek	37850	50	25	Full	Ant0	62.9	24.5	23.13	-0.14	0.019	1.01	1.37	0.03
	LTE 38	QPSK20M	Left Tilted	37850	50	25	Full	Ant0	62.9	24.5	23.13	0.03	0.011	1.01	1.37	0.02
	CA_38C	QPSK20M	Right Tilted	PCC:37850 SCC:38048	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	62.9	25.5	23.45	0.03	0.022	1.01	1.60	0.04
	CA_38C	QPSK20M	Right Tilted	PCC:37901 SCC:38099	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	62.9	25.5	23.91	0.05	0.022	1.01	1.44	0.03
	CA_38C	QPSK20M	Right Tilted	PCC:37952 SCC:38150	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	62.9	25.5	23.64	0.05	0.018	1.01	1.53	0.03
	LTE 38	QPSK20M	Right Cheek	37850	1	50	Reduce	Ant1	62.9	22	20.78	0.04	0.541	1.01	1.32	0.72
	LTE 38	QPSK20M	Right Tilted	37850	1	50	Reduce	Ant1	62.9	22	20.78	0.15	0.611	1.01	1.32	0.81
	LTE 38	QPSK20M	Left Cheek	37850	1	50	Reduce	Ant1	62.9	22	20.78	0.11	0.410	1.01	1.32	0.55
	LTE 38	QPSK20M	Left Tilted	37850	1	50	Reduce	Ant1	62.9	22	20.78	0.04	0.457	1.01	1.32	0.61
	LTE 38	QPSK20M	Right Cheek	37850	50	25	Reduce	Ant1	62.9	22	20.72	-0.14	0.535	1.01	1.34	0.72
	LTE 38	QPSK20M	Right Tilted	37850	50	25	Reduce	Ant1	62.9	22	20.72	0.17	0.588	1.01	1.34	0.79
	LTE 38	QPSK20M	Left Cheek	37850	50	25	Reduce	Ant1	62.9	22	20.72	-0.02	0.406	1.01	1.34	0.55
	LTE 38	QPSK20M	Left Tilted	37850	50	25	Reduce	Ant1	62.9	22	20.72	0.06	0.454	1.01	1.34	0.61
	LTE 38	QPSK20M	Right Tilted	38000	1	50	Reduce	Ant1	62.9	22	20.74	0.02	0.601	1.01	1.34	0.81
10	LTE 38	QPSK20M	Right Tilted	38150	1	50	Reduce	Ant1	62.9	22	20.66	0.07	0.632	1.01	1.36	0.87
	LTE 38	QPSK20M	Right Tilted	37850	100	0	Reduce	Ant1	62.9	22	20.73	0.02	0.603	1.01	1.34	0.81
	CA_38C	QPSK20M	Right Tilted	PCC:37850 SCC:38048	PCC:1 SCC:0	PCC:50 SCC:0	Reduce	Ant1	62.9	22	20.65	0.11	0.601	1.01	1.36	0.83
	CA_38C	QPSK20M	Right Tilted	PCC:37901 SCC:38099	PCC:1 SCC:0	PCC:50 SCC:0	Reduce	Ant1	62.9	22	20.58	-0.04	0.599	1.01	1.39	0.84
	CA_38C	QPSK20M	Right Tilted	PCC:37952 SCC:38150	PCC:1 SCC:0	PCC:50 SCC:0	Reduce	Ant1	62.9	22	20.62	0.05	0.614	1.01	1.37	0.85
	LTE 41	QPSK20M	Right Cheek	40140	1	50	Full	Ant0	62.9	25.5	24.15	0.05	0.020	1.01	1.36	0.03
	LTE 41	QPSK20M	Right Tilted	40140	1	50	Full	Ant0	62.9	25.5	24.15	0.02	0.015	1.01	1.36	0.02
	LTE 41	QPSK20M	Left Cheek	40140	1	50	Full	Ant0	62.9	25.5	24.15	-0.07	0.016	1.01	1.36	0.02
	LTE 41	QPSK20M	Left Tilted	40140	1	50	Full	Ant0	62.9	25.5	24.15	-0.08	0.009	1.01	1.36	0.01
	LTE 41	QPSK20M	Right Cheek	40140	50	50	Full	Ant0	62.9	24.5	23.23	-0.14	0.017	1.01	1.34	0.02
	LTE 41	QPSK20M	Right Tilted	40140	50	50	Full	Ant0	62.9	24.5	23.23	0.06	0.012	1.01	1.34	0.02
	LTE 41	QPSK20M	Left Cheek	40140	50	50	Full	Ant0	62.9	24.5	23.23	0.08	0.014	1.01	1.34	0.02
	LTE 41	QPSK20M	Left Tilted	40140	50	50	Full	Ant0	62.9	24.5	23.23	0.16	0.006	1.01	1.34	0.01
	LTE 41	QPSK20M	Right Cheek	40140	1	50	Reduce	Ant1	62.9	22	20.82	-0.05	0.461	1.01	1.31	0.61
11	LTE 41	QPSK20M	Right Tilted	40140	1	50	Reduce	Ant1	62.9	22	20.82	0.02	0.543	1.01	1.31	0.72
	LTE 41	QPSK20M	Left Cheek	40140	1	50	Reduce	Ant1	62.9	22	20.82	-0.06	0.374	1.01	1.31	0.49
	LTE 41	QPSK20M	Left Tilted	40140	1	50	Reduce	Ant1	62.9	22	20.82	0.04	0.425	1.01	1.31	0.56
	LTE 41	QPSK20M	Right Cheek	40140	50	25	Reduce	Ant1	62.9	22	20.77	-0.02	0.479	1.01	1.33	0.64
	LTE 41	QPSK20M	Right Tilted	40140	50	25	Reduce	Ant1	62.9	22	20.77	-0.01	0.536	1.01	1.33	0.72
	LTE 41	QPSK20M	Left Cheek	40140	50	25	Reduce	Ant1	62.9	22	20.77	0.06	0.366	1.01	1.33	0.49
	LTE 41	QPSK20M	Left Tilted	40140	50	25	Reduce	Ant1	62.9	22	20.77	0.14	0.417	1.01	1.33	0.56
	WLAN2.4G	802.11b	Right Cheek	11	-	-	Reduce	-	99.64	18.5	17.36	0.04	0.155	1.00	1.30	0.20
	WLAN2.4G	802.11b	Right Tilted	11	-	-	Reduce	-	99.64	18.5	17.36	0.19	0.140	1.00	1.30	0.18
12	WLAN2.4G	802.11b	Left Cheek	11	-	-	Reduce	-	99.64	18.5	17.36	-0.01	0.473	1.00	1.30	0.62
	WLAN2.4G	802.11b	Left Tilted	11	-	-	Reduce	-	99.64	18.5	17.36	0.00	0.346	1.00	1.30	0.45
	WLAN5G	802.11ac80	Right Cheek	58	-	-	Reduce	-	88.89	12.5	11.01	0.01	0.248	1.12	1.41	0.39
	WLAN5G	802.11ac80	Right Tilted	58	-	-	Reduce	-	88.89	12.5	11.01	-0.06	0.277	1.12	1.41	0.44
	WLAN5G	802.11ac80	Left Cheek	58	-	-	Reduce	-	88.89	12.5	11.01	-0.07	0.356	1.12	1.41	0.56
13	WLAN5G	802.11ac80	Left Tilted	58	-	-	Reduce	-	88.89	12.5	11.01	-0.05	0.391	1.12	1.41	0.62
	WLAN5G	802.11ac80	Right Cheek	106	-	-	Reduce	-	88.89	12.5	10.86	0.05	0.263	1.12	1.46	0.43
	WLAN5G	802.11ac80	Right Tilted	106	-	-	Reduce	-	88.89	12.5	10.86	-0.03	0.287	1.12	1.46	0.47
	WLAN5G	802.11ac80	Left Cheek	106	-	-	Reduce	-	88.89	12.5	10.86	0.06	0.304	1.12	1.46	0.50
14	WLAN5G	802.11ac80	Left Tilted	106	-	-	Reduce	-	88.89	12.5	10.86	-0.01	0.391	1.12	1.46	0.64
	WLAN5G	802.11ac80	Right Cheek	155	-	-	Reduce	-	88.89	12.5	10.95	0.13	0.249	1.12	1.43	0.40
	WLAN5G	802.11ac80	Right Tilted	155	-	-	Reduce	-	88.89	12.5	10.95	-0.04	0.288	1.12	1.43	0.46
	WLAN5G	802.11ac80	Left Cheek	155	-	-	Reduce	-	88.89	12.5	10.95	0.08	0.351	1.12	1.43	0.56
15	WLAN5G	802.11ac80	Left Tilted	155	-	-	Reduce	-	88.89	12.5	10.95	-0.09	0.416	1.12	1.43	0.67
	BT	GFSK	Right Cheek	39	-	-	Full	-	76.8	10.5	9.28	0.14	0.018	1.30	1.32	0.03
	BT	GFSK	Right Tilted	39	-	-	Full	-	76.8	10.5	9.28	-0.05	0.014	1.30	1.32	0.02

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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
16	BT	GFSK	Left Cheek	39	-	-	Full	-	76.8	10.5	9.28	0.03	0.048	1.30	1.32	0.08
	BT	GFSK	Left Tilted	39	-	-	Full	-	76.8	10.5	9.28	-0.01	0.030	1.30	1.32	0.05

4.6.3 SAR Results for Body-worn Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS11	Front Face	1	189	-	-	Full	Ant0	-	29.5	29.19	0.05	0.160	1.00	1.07	0.17
17	GSM850	GPRS11	Rear Face	1	189	-	-	Full	Ant0	-	29.5	29.19	-0.06	0.259	1.00	1.07	0.28
	GSM850	GPRS11	Front Face	1	189	-	-	Full	Ant1	-	29.5	29.37	-0.04	0.175	1.00	1.03	0.18
	GSM850	GPRS11	Rear Face	1	189	-	-	Full	Ant1	-	29.5	29.37	-0.01	0.224	1.00	1.03	0.23
	GSM1900	GPRS11	Front Face	1	810	-	-	Full	Ant0	-	26.5	24.89	-0.03	0.354	1.00	1.45	0.51
	GSM1900	GPRS8	Rear Face	1	512	-	-	Reduce	Ant0	-	28	26.38	0.05	0.120	1.00	1.45	0.17
	GSM1900	GPRS11	Rear Face	1.5	810	-	-	Full	Ant0	-	26.5	24.89	0.07	0.224	1.00	1.45	0.32
	GSM1900	GPRS11	Front Face	1	512	-	-	Full	Ant1	-	26.5	24.84	0.03	0.382	1.00	1.47	0.56
18	GSM1900	GPRS8	Rear Face	1	810	-	-	Reduce	Ant1	-	27	25.74	0.03	0.487	1.00	1.34	0.65
	GSM1900	GPRS11	Rear Face	1.5	512	-	-	Full	Ant1	-	26.5	24.84	0.01	0.363	1.00	1.47	0.53
19	WCDMA II	RMC12.2K	Front Face	1	9538	-	-	Full	Ant0	-	25.5	24.39	-0.09	0.762	1.00	1.29	0.98
	WCDMA II	RMC12.2K	Rear Face	1	9538	-	-	Reduce	Ant0	-	21.5	20.42	-0.05	0.373	1.00	1.28	0.48
	WCDMA II	RMC12.2K	Rear Face	1.5	9538	-	-	Full	Ant0	-	25.5	24.39	-0.03	0.432	1.00	1.29	0.56
	WCDMA II	RMC12.2K	Front Face	1	9262	-	-	Full	Ant0	-	25.5	24.15	0.03	0.546	1.00	1.36	0.75
	WCDMA II	RMC12.2K	Front Face	1	9400	-	-	Full	Ant0	-	25.5	24.31	0.06	0.698	1.00	1.32	0.92
	WCDMA II	RMC12.2K	Front Face	1	9538	-	-	Full	Ant1	-	23.5	23.18	0.04	0.603	1.00	1.08	0.65
	WCDMA II	RMC12.2K	Rear Face	1	9538	-	-	Reduce	Ant1	-	18	17.34	0.12	0.411	1.00	1.16	0.48
	WCDMA II	RMC12.2K	Rear Face	1.5	9538	-	-	Full	Ant1	-	23.5	23.18	0.06	0.655	1.00	1.08	0.71
	WCDMA IV	RMC12.2K	Front Face	1	1312	-	-	Full	Ant0	-	25.5	24.22	-0.07	0.456	1.00	1.34	0.61
	WCDMA IV	RMC12.2K	Rear Face	1	1312	-	-	Reduce	Ant0	-	21.5	20.23	0.09	0.373	1.00	1.34	0.50
	WCDMA IV	RMC12.2K	Rear Face	1.5	1312	-	-	Full	Ant0	-	25.5	24.22	-0.15	0.491	1.00	1.34	0.66
20	WCDMA IV	RMC12.2K	Front Face	1	1312	-	-	Full	Ant1	-	24	23.07	0.07	0.602	1.00	1.24	0.75
	WCDMA IV	RMC12.2K	Rear Face	1	1312	-	-	Reduce	Ant1	-	18.5	18.17	0.12	0.376	1.00	1.08	0.41
	WCDMA IV	RMC12.2K	Rear Face	1.5	1312	-	-	Full	Ant1	-	24	23.07	0.13	0.554	1.00	1.24	0.69
	WCDMA V	RMC12.2K	Front Face	1	4132	-	-	Full	Ant0	-	25.5	24.19	0.08	0.149	1.00	1.35	0.20
21	WCDMA V	RMC12.2K	Rear Face	1	4132	-	-	Full	Ant0	-	25.5	24.19	0	0.237	1.00	1.35	0.32
	WCDMA V	RMC12.2K	Front Face	1	4132	-	-	Full	Ant1	-	25.5	24.45	0.07	0.214	1.00	1.27	0.27
	WCDMA V	RMC12.2K	Rear Face	1	4132	-	-	Full	Ant1	-	25.5	24.45	-0.06	0.241	1.00	1.27	0.31
	LTE 2	QPSK20M	Front Face	1	18900	1	50	Full	Ant0	-	25.5	24.1	0.02	0.605	1.00	1.38	0.84
	LTE 2	QPSK20M	Rear Face	1	18900	1	50	Reduce	Ant0	-	21.5	20.51	-0.1	0.311	1.00	1.26	0.39
	LTE 2	QPSK20M	Rear Face	1.5	18900	1	50	Full	Ant0	-	25.5	24.1	0.04	0.404	1.00	1.38	0.56
	LTE 2	QPSK20M	Front Face	1	18900	50	25	Full	Ant0	-	24.5	23.12	0.05	0.480	1.00	1.37	0.66
	LTE 2	QPSK20M	Rear Face	1	18900	50	25	Reduce	Ant0	-	21.5	20.22	-0.01	0.310	1.00	1.34	0.42
	LTE 2	QPSK20M	Rear Face	1.5	18900	50	25	Full	Ant0	-	24.5	23.12	0	0.244	1.00	1.37	0.34
	LTE 2	QPSK20M	Front Face	1	18700	1	50	Full	Ant0	-	25.5	23.9	0	0.546	1.00	1.45	0.79
22	LTE 2	QPSK20M	Front Face	1	19100	1	50	Full	Ant0	-	25.5	24.02	0.02	0.694	1.00	1.41	0.98
	LTE 2	QPSK20M	Front Face	1	18900	100	0	Full	Ant0	-	24.5	23.04		0.477	1.00	1.40	0.67
	LTE 2	QPSK20M	Front Face	1	18900	1	50	Full	Ant1	-	23.5	22.86	0.01	0.672	1.00	1.16	0.78
	LTE 2	QPSK20M	Rear Face	1	18900	1	50	Reduce	Ant1	-	18	17.35	0.05	0.453	1.00	1.16	0.53
	LTE 2	QPSK20M	Rear Face	1.5	18900	1	50	Full	Ant1	-	23.5	22.86	0.09	0.742	1.00	1.16	0.86
	LTE 2	QPSK20M	Rear Face	1.5	18700	1	50	Full	Ant1	-	23.5	22.71	0.01	0.712	1.00	1.20	0.85
	LTE 2	QPSK20M	Rear Face	1.5	19100	1	50	Full	Ant1	-	23.5	22.75	0.08	0.678	1.00	1.19	0.81
	LTE 2	QPSK20M	Front Face	1	18900	50	25	Full	Ant1	-	23.5	22.6	0.03	0.690	1.00	1.23	0.85
	LTE 2	QPSK20M	Rear Face	1	18900	50	25	Reduce	Ant1	-	18	17.11	0.12	0.456	1.00	1.23	0.56
	LTE 2	QPSK20M	Rear Face	1.5	18900	50	25	Full	Ant1	-	23.5	22.6	0.16	0.757	1.00	1.23	0.93
	LTE 2	QPSK20M	Front Face	1	18700	50	25	Full	Ant1	-	23.5	22.47	0.03	0.665	1.00	1.27	0.84
	LTE 2	QPSK20M	Front Face	1	19100	50	25	Full	Ant1	-	23.5	22.49	0.06	0.612	1.00	1.26	0.77
	LTE 2	QPSK20M	Rear Face	1.5	18700	50	25	Full	Ant1	-	23.5	22.47	0.01	0.727	1.00	1.27	0.92
	LTE 2	QPSK20M	Rear Face	1.5	19100	50	25	Full	Ant1	-	23.5	22.49	0.09	0.687	1.00	1.26	0.87
	LTE 2	QPSK20M	Front Face	1	18900	100	0	Full	Ant1	-	23.5	22.46	0.18	0.653	1.00	1.27	0.83
	LTE 2	QPSK20M	Rear Face	1.5	18900	100	0	Full	Ant1	-	23.5	22.46	0.02	0.702	1.00	1.27	0.89
	LTE 4	QPSK20M	Front Face	1	20050	1	50	Full	Ant0	-	25.5	24.15	0.03	0.400	1.00	1.36	0.55
	LTE 4	QPSK20M	Rear Face	1	20050	1	50	Reduce	Ant0	-	21.5	20.56	0	0.349	1.00	1.24	0.43
	LTE 4	QPSK20M	Rear Face	1.5	20050	1	50	Full	Ant0	-	25.5	24.15	-0.11	0.443	1.00	1.36	0.60
	LTE 4	QPSK20M	Front Face	1	20050	50	25	Full	Ant0	-	24.5	23.26	0.05	0.316	1.00	1.33	0.42



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Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 4	QPSK20M	Rear Face	1	20050	50	25	Reduce	Ant0	-	21.5	20.3	0.07	0.346	1.00	1.32	0.46
	LTE 4	QPSK20M	Rear Face	1.5	20050	50	25	Full	Ant0	-	24.5	23.26	0.05	0.377	1.00	1.33	0.50
	LTE 4	QPSK20M	Front Face	1	20050	1	50	Full	Ant1	-	24	23.11	0.01	0.608	1.00	1.23	0.75
	LTE 4	QPSK20M	Rear Face	1	20050	1	50	Reduce	Ant1	-	19	18.33	0.14	0.413	1.00	1.17	0.48
	LTE 4	QPSK20M	Rear Face	1.5	20050	1	50	Full	Ant1	-	24	23.11	0.02	0.588	1.00	1.23	0.72
23	LTE 4	QPSK20M	Front Face	1	20050	50	25	Full	Ant1	-	24	22.85	0.12	0.610	1.00	1.30	0.79
	LTE 4	QPSK20M	Rear Face	1	20050	50	25	Reduce	Ant1	-	19	18.04	0.07	0.405	1.00	1.25	0.51
	LTE 4	QPSK20M	Rear Face	1.5	20050	50	25	Full	Ant1	-	24	22.85	0.06	0.596	1.00	1.30	0.78
	LTE 5	QPSK10M	Front Face	1	20525	1	0	Full	Ant0	-	25.5	24.03	0.05	0.138	1.00	1.40	0.19
24	LTE 5	QPSK10M	Rear Face	1	20525	1	0	Full	Ant0	-	25.5	24.03	0.01	0.221	1.00	1.40	0.31
	LTE 5	QPSK10M	Front Face	1	20525	25	12	Full	Ant0	-	24.5	23.14	0	0.117	1.00	1.37	0.16
	LTE 5	QPSK10M	Rear Face	1	20525	25	12	Full	Ant0	-	24.5	23.14	0.03	0.186	1.00	1.37	0.25
	LTE 5	QPSK10M	Front Face	1	20525	1	24	Full	Ant1	-	25.5	24.18	0.02	0.197	1.00	1.36	0.27
	LTE 5	QPSK10M	Rear Face	1	20525	1	24	Full	Ant1	-	25.5	24.18	-0.08	0.220	1.00	1.36	0.30
	LTE 5	QPSK10M	Front Face	1	20525	25	12	Full	Ant1	-	24.5	23.28	0.16	0.147	1.00	1.32	0.19
	LTE 5	QPSK10M	Rear Face	1	20525	25	12	Full	Ant1	-	24.5	23.28	0.18	0.181	1.00	1.32	0.24
	LTE 7	QPSK20M	Front Face	1	21350	1	50	Full	Ant0	-	25.5	24.18	0.1	0.729	1.00	1.36	0.99
	LTE 7	QPSK20M	Rear Face	1	21350	1	50	Reduce	Ant0	-	19.5	18.33	0.03	0.358	1.00	1.31	0.47
25	LTE 7	QPSK20M	Rear Face	1.5	21350	1	50	Full	Ant0	-	25.5	24.18	-0.04	0.773	1.00	1.36	1.05
	LTE 7	QPSK20M	Front Face	1	21350	50	25	Full	Ant0	-	24.5	23.23	0.03	0.574	1.00	1.34	0.77
	LTE 7	QPSK20M	Rear Face	1	21350	50	25	Reduce	Ant0	-	19.5	18.19	0.04	0.355	1.00	1.35	0.48
	LTE 7	QPSK20M	Rear Face	1.5	21350	50	25	Full	Ant0	-	24.5	23.23	0.05	0.680	1.00	1.34	0.91
	LTE 7	QPSK20M	Front Face	1	20850	1	50	Full	Ant0	-	25.5	24.16	-0.07	0.571	1.00	1.36	0.78
	LTE 7	QPSK20M	Front Face	1	21100	1	50	Full	Ant0	-	25.5	24.14	0.18	0.654	1.00	1.37	0.89
	LTE 7	QPSK20M	Rear Face	1.5	20850	1	50	Full	Ant0	-	25.5	24.16	0.05	0.664	1.00	1.36	0.90
	LTE 7	QPSK20M	Rear Face	1.5	21100	1	50	Full	Ant0	-	25.5	24.14	0.1	0.763	1.00	1.37	1.04
	LTE 7	QPSK20M	Front Face	1	20850	50	25	Full	Ant0	-	24.5	23.23	-0.17	0.404	1.00	1.34	0.54
	LTE 7	QPSK20M	Front Face	1	21100	50	25	Full	Ant0	-	24.5	23.19	0.04	0.519	1.00	1.35	0.70
	LTE 7	QPSK20M	Rear Face	1.5	20850	50	25	Full	Ant0	-	24.5	23.23	0.09	0.512	1.00	1.34	0.69
	LTE 7	QPSK20M	Rear Face	1.5	21100	50	25	Full	Ant0	-	24.5	23.19	0.05	0.586	1.00	1.35	0.79
	LTE 7	QPSK20M	Front Face	1	21350	100	0	Full	Ant0	-	24.5	23.12	0.03	0.558	1.00	1.37	0.77
	LTE 7	QPSK20M	Rear Face	1.5	21350	100	0	Full	Ant0	-	24.5	23.12	0.07	0.621	1.00	1.37	0.85
	CA_7C	QPSK20M	Rear Face	1.5	PCC:20850 SCC:21048	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	-	25.5	23.86	0.14	0.705	1.00	1.46	1.03
	CA_7C	QPSK20M	Rear Face	1.5	PCC:21001 SCC:21199	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	-	25.5	23.89	0.02	0.677	1.00	1.45	0.98
	CA_7C	QPSK20M	Rear Face	1.5	PCC:21152 SCC:21350	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	-	25.5	23.92	0.12	0.687	1.00	1.44	0.99
	LTE 7	QPSK20M	Front Face	1	21350	1	50	Full	Ant1	-	24	22.95	0.03	0.493	1.00	1.27	0.63
	LTE 7	QPSK20M	Rear Face	1	21350	1	50	Reduce	Ant1	-	19	18.07	0.07	0.181	1.00	1.24	0.22
	LTE 7	QPSK20M	Rear Face	1.5	21350	1	50	Full	Ant1	-	24	22.95	0	0.434	1.00	1.27	0.55
	LTE 7	QPSK20M	Front Face	1	21350	50	25	Full	Ant1	-	24	22.64	0.05	0.380	1.00	1.37	0.52
	LTE 7	QPSK20M	Rear Face	1	21350	50	25	Reduce	Ant1	-	19	17.79	-0.09	0.175	1.00	1.32	0.23
	LTE 7	QPSK20M	Rear Face	1.5	21350	50	25	Full	Ant1	-	24	22.64	0.01	0.343	1.00	1.37	0.47
	CA_7C	QPSK20M	Front Face	1	PCC:20850 SCC:21048	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant1	-	24	22.85	0.13	0.455	1.00	1.30	0.59
	CA_7C	QPSK20M	Front Face	1	PCC:21001 SCC:21199	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant1	-	24	22.78	0.1	0.423	1.00	1.32	0.56
	CA_7C	QPSK20M	Front Face	1	PCC:21152 SCC:21350	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant1	-	24	22.72	0.07	0.430	1.00	1.34	0.58
	LTE 38	QPSK20M	Front Face	1	37850	1	50	Full	Ant0	62.9	25.5	24.02	-0.02	0.426	1.01	1.41	0.60
	LTE 38	QPSK20M	Rear Face	1	37850	1	50	Reduce	Ant0	62.9	21	19.73	0.05	0.436	1.01	1.34	0.59
26	LTE 38	QPSK20M	Rear Face	1.5	37850	1	50	Full	Ant0	62.9	25.5	24.02	-0.08	0.460	1.01	1.41	0.65
	LTE 38	QPSK20M	Front Face	1	37850	50	25	Full	Ant0	62.9	24.5	23.13	0.04	0.314	1.01	1.37	0.43
	LTE 38	QPSK20M	Rear Face	1	37850	50	25	Reduce	Ant0	62.9	21	19.71	0.01	0.426	1.01	1.35	0.58
	LTE 38	QPSK20M	Rear Face	1.5	37850	50	25	Full	Ant0	62.9	24.5	23.13	0.05	0.370	1.01	1.37	0.51
	CA_38C	QPSK20M	Rear Face	1.5	PCC:37850 SCC:38048	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	62.9	25.5	23.45	0.05	0.388	1.01	1.60	0.63
	CA_38C	QPSK20M	Rear Face	1.5	PCC:37901 SCC:38099	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	62.9	25.5	23.91	0.19	0.412	1.01	1.44	0.60
	CA_38C	QPSK20M	Rear Face	1.5	PCC:37952 SCC:38150	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	62.9	25.5	23.64	0.02	0.405	1.01	1.53	0.63
	LTE 38	QPSK20M	Front Face	1	37850	1	50	Full	Ant1	62.9	25.5	24.14	0.03	0.276	1.01	1.37	0.38
	LTE 38	QPSK20M	Rear Face	1	37850	1	50	Reduce	Ant1	62.9	21	19.79	-0.13	0.155	1.01	1.32	0.21
	LTE 38	QPSK20M	Rear Face	1.5	37850	1	50	Full	Ant1	62.9	25.5	24.14	0.01	0.214	1.01	1.37	0.29
	LTE 38	QPSK20M	Front Face	1	37850	50	25	Full	Ant1	62.9	24.5	23.21	0.09	0.211	1.01	1.35	0.29
	LTE 38	QPSK20M	Rear Face	1	37850	50	25	Reduce	Ant1	62.9	21	19.76	0.12	0.157	1.01	1.33	0.21
	LTE 38	QPSK20M	Rear Face	1.5	37850	50	25	Full	Ant1	62.9	24.5	23.21	0	0.175	1.01	1.35	0.24
	CA_38C	QPSK20M	Front Face	1	PCC:37850 SCC:38048	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant1	62.9	25.5	23.96	0.08	0.255	1.01	1.43	0.37

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Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	CA_38C	QPSK20M	Front Face	1	PCC:37901 SCC:38099	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant1	62.9	25.5	23.98	-0.13	0.260	1.01	1.42	0.37
	CA_38C	QPSK20M	Front Face	1	PCC:37952 SCC:38150	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant1	62.9	25.5	24.06	-0.01	0.244	1.01	1.39	0.34
	LTE 41	QPSK20M	Front Face	1	40140	1	50	Full	Ant0	62.9	25.5	24.15	0.04	0.445	1.01	1.36	0.61
	LTE 41	QPSK20M	Rear Face	1	40140	1	50	Reduce	Ant0	62.9	21.5	20.28	0.05	0.449	1.01	1.49	0.67
27	LTE 41	QPSK20M	Rear Face	1.5	40140	1	50	Full	Ant0	62.9	25.5	24.15	-0.07	0.506	1.01	1.36	0.69
	LTE 41	QPSK20M	Front Face	1	40140	50	25	Full	Ant0	62.9	24.5	23.23	0.11	0.373	1.01	1.34	0.50
	LTE 41	QPSK20M	Rear Face	1	40140	50	25	Reduce	Ant0	62.9	21.5	20.22	0.02	0.451	1.01	1.51	0.68
	LTE 41	QPSK20M	Rear Face	1.5	40140	50	25	Full	Ant0	62.9	24.5	23.23	-0.03	0.412	1.01	1.34	0.56
	LTE 41	QPSK20M	Front Face	1	40140	1	50	Full	Ant1	62.9	25.5	24.18	0.02	0.257	1.01	1.36	0.35
	LTE 41	QPSK20M	Rear Face	1	40140	1	50	Reduce	Ant1	62.9	21.5	20.33	0.09	0.162	1.01	1.31	0.21
	LTE 41	QPSK20M	Rear Face	1.5	40140	1	50	Full	Ant1	62.9	25.5	24.18	0.09	0.213	1.01	1.36	0.29
	LTE 41	QPSK20M	Front Face	1	40140	50	25	Full	Ant1	62.9	24.5	23.29	0.02	0.181	1.01	1.32	0.24
	LTE 41	QPSK20M	Rear Face	1	40140	50	25	Reduce	Ant1	62.9	21.5	20.33	0.17	0.156	1.01	1.31	0.21
	LTE 41	QPSK20M	Rear Face	1.5	40140	50	25	Full	Ant1	62.9	24.5	23.29	0.03	0.163	1.01	1.32	0.22
	WLAN2.4G	802.11b	Front Face	1	11	-	-	Full	-	99.64	19.5	18.01	-0.07	0.061	1.00	1.41	0.09
28	WLAN2.4G	802.11b	Rear Face	1	11	-	-	Full	-	99.64	19.5	18.01	0.07	0.187	1.00	1.41	0.26
	WLAN5G	802.11ac80	Front Face	1	58	-	-	Ful	-	88.89	15.5	13.66	0.08	0.118	1.12	1.53	0.20
29	WLAN5G	802.11ac80	Rear Face	1	58	-	-	Ful	-	88.89	15.5	13.66	-0.04	0.252	1.12	1.53	0.42
	WLAN5G	802.11ac80	Front Face	1	106	-	-	Ful	-	88.89	15.5	14.03	0.08	0.112	1.12	1.40	0.18
30	WLAN5G	802.11ac80	Rear Face	1	106	-	-	Ful	-	88.89	15.5	14.03	0.00	0.290	1.12	1.40	0.46
	WLAN5G	802.11ac80	Front Face	1	155	-	-	Ful	-	88.89	15.5	14.11	0.03	0.126	1.12	1.38	0.20
31	WLAN5G	802.11ac80	Rear Face	1	155	-	-	Ful	-	88.89	15.5	14.11	0.00	0.252	1.12	1.38	0.39
	BT	GFSK	Front Face	1	39	-	-	Full	-	76.8	10.5	9.28	0.03	0.006	1.30	1.32	0.01
32	BT	GFSK	Rear Face	1	39	-	-	Full	-	76.8	10.5	9.28	-0.09	0.018	1.30	1.32	0.03

4.6.4 SAR Results for Hotspot Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS11	Front Face	1	189	-	-	Full	Ant0	-	29.5	29.19	0.05	0.160	1.00	1.07	0.17
33	GSM850	GPRS11	Rear Face	1	189	-	-	Full	Ant0	-	29.5	29.19	-0.06	0.259	1.00	1.07	0.28
	GSM850	GPRS11	Left Side	1	189	-	-	Full	Ant0	-	29.5	29.19	-0.04	0.115	1.00	1.07	0.12
	GSM850	GPRS11	Right Side	1	189	-	-	Full	Ant0	-	29.5	29.19	0.13	0.164	1.00	1.07	0.18
	GSM850	GPRS11	Bottom Side	1	189	-	-	Full	Ant0	-	29.5	29.19	-0.08	0.214	1.00	1.07	0.23
	GSM850	GPRS11	Front Face	1	189	-	-	Full	Ant1	-	29.5	29.37	-0.04	0.175	1.00	1.03	0.18
	GSM850	GPRS11	Rear Face	1	189	-	-	Full	Ant1	-	29.5	29.37	-0.01	0.224	1.00	1.03	0.23
	GSM850	GPRS11	Left Side	1	189	-	-	Full	Ant1	-	29.5	29.37	0.02	0.125	1.00	1.03	0.13
	GSM850	GPRS11	Right Side	1	189	-	-	Full	Ant1	-	29.5	29.37	0	0.095	1.00	1.03	0.10
	GSM850	GPRS11	Top Side	1	189	-	-	Full	Ant1	-	29.5	29.37	0.05	0.164	1.00	1.03	0.17
	GSM1900	GPRS11	Front Face	1	810	-	-	Full	Ant0	-	26.5	24.89	-0.03	0.354	1.00	1.45	0.51
	GSM1900	GPRS8	Rear Face	1	512	-	-	Reduce	Ant0	-	28	26.38	0.05	0.120	1.00	1.45	0.17
	GSM1900	GPRS11	Left Side	1	810	-	-	Full	Ant0	-	26.5	24.89	0.13	0.125	1.00	1.45	0.18
	GSM1900	GPRS11	Right Side	1	810	-	-	Full	Ant0	-	26.5	24.89	0.04	0.067	1.00	1.45	0.10
	GSM1900	GPRS8	Bottom Side	1	512	-	-	Reduce	Ant0	-	28	26.38	-0.04	0.202	1.00	1.45	0.29
	GSM1900	GPRS11	Rear Face	1.5	810	-	-	Full	Ant0	-	26.5	24.89	0.07	0.224	1.00	1.45	0.32
	GSM1900	GPRS11	Bottom Side	1.9	810	-	-	Full	Ant0	-	26.5	24.89	-0.04	0.186	1.00	1.45	0.27
	GSM1900	GPRS11	Front Face	1	512	-	-	Full	Ant1	-	26.5	24.84	0.03	0.382	1.00	1.47	0.56
	GSM1900	GPRS8	Rear Face	1	810	-	-	Reduce	Ant1	-	27	25.74	0.03	0.487	1.00	1.34	0.65
	GSM1900	GPRS11	Left Side	1	512	-	-	Full	Ant1	-	26.5	24.84	0.07	0.097	1.00	1.47	0.14
	GSM1900	GPRS11	Right Side	1	512	-	-	Full	Ant1	-	26.5	24.84	0.01	0.038	1.00	1.47	0.06
34	GSM1900	GPRS8	Top Side	1	810	-	-	Reduce	Ant1	-	27	25.74	0.02	0.555	1.00	1.34	0.74
	GSM1900	GPRS11	Rear Face	1.5	512	-	-	Full	Ant1	-	26.5	24.84	0.01	0.363	1.00	1.47	0.53
	GSM1900	GPRS11	Top Side	1.5	512	-	-	Full	Ant1	-	26.5	24.84	0.12	0.376	1.00	1.47	0.55
	WCDMA II	RMC12.2K	Front Face	1	9538	-	-	Full	Ant0	-	25.5	24.39	-0.09	0.762	1.00	1.29	0.98
	WCDMA II	RMC12.2K	Rear Face	1	9538	-	-	Reduce	Ant0	-	21.5	20.42	-0.05	0.373	1.00	1.28	0.48
	WCDMA II	RMC12.2K	Left Side	1	9538	-	-	Full	Ant0	-	25.5	24.39	-0.04	0.235	1.00	1.29	0.30
	WCDMA II	RMC12.2K	Right Side	1	9538	-	-	Full	Ant0	-	25.5	24.39	0.06	0.129	1.00	1.29	0.17
	WCDMA II	RMC12.2K	Bottom Side	1	9538	-	-	Reduce	Ant0	-	21.5	20.42	-0.17	0.408	1.00	1.28	0.52
	WCDMA II	RMC12.2K	Rear Face	1.5	9538	-	-	Full	Ant0	-	25.5	24.39	-0.03	0.432	1.00	1.29	0.56
	WCDMA II	RMC12.2K	Bottom Side	1.9	9538	-	-	Full	Ant0	-	25.5	24.39	-0.01	0.393	1.00	1.29	0.51
	WCDMA II	RMC12.2K	Front Face	1	9262	-	-	Full	Ant0	-	25.5	24.15	0.03	0.546	1.00	1.36	0.75



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Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	WCDMA II	RMC12.2K	Front Face	1	9400	-	-	Full	Ant0	-	25.5	24.31	0.06	0.698	1.00	1.32	0.92
	WCDMA II	RMC12.2K	Front Face	1	9538	-	-	Full	Ant1	-	23.5	23.18	0.04	0.603	1.00	1.08	0.65
	WCDMA II	RMC12.2K	Rear Face	1	9538	-	-	Reduce	Ant1	-	18	17.34	0.12	0.411	1.00	1.16	0.48
	WCDMA II	RMC12.2K	Left Side	1	9538	-	-	Full	Ant1	-	23.5	23.18	-0.06	0.118	1.00	1.08	0.13
	WCDMA II	RMC12.2K	Right Side	1	9538	-	-	Full	Ant1	-	23.5	23.18	0.05	0.040	1.00	1.08	0.04
	WCDMA II	RMC12.2K	Top Side	1	9538	-	-	Reduce	Ant1	-	18	17.34	0.12	0.449	1.00	1.16	0.52
	WCDMA II	RMC12.2K	Rear Face	1.5	9538	-	-	Full	Ant1	-	23.5	23.18	0.06	0.655	1.00	1.08	0.71
	WCDMA II	RMC12.2K	Top Side	1.5	9538	-	-	Full	Ant1	-	23.5	23.18	-0.05	0.791	1.00	1.08	0.85
	WCDMA II	RMC12.2K	Top Side	1.5	9262	-	-	Full	Ant1	-	23.5	22.84	-0.17	0.922	1.00	1.16	1.07
35	WCDMA II	RMC12.2K	Top Side	1.5	9400	-	-	Full	Ant1	-	23.5	22.91	0.08	0.950	1.00	1.15	1.09
	WCDMA IV	RMC12.2K	Front Face	1	1312	-	-	Full	Ant0	-	25.5	24.22	-0.07	0.456	1.00	1.34	0.61
	WCDMA IV	RMC12.2K	Rear Face	1	1312	-	-	Reduce	Ant0	-	21.5	20.23	0.09	0.373	1.00	1.34	0.50
	WCDMA IV	RMC12.2K	Left Side	1	1312	-	-	Full	Ant0	-	25.5	24.22	-0.13	0.166	1.00	1.34	0.22
	WCDMA IV	RMC12.2K	Right Side	1	1312	-	-	Full	Ant0	-	25.5	24.22	0.03	0.122	1.00	1.34	0.16
	WCDMA IV	RMC12.2K	Bottom Side	1	1312	-	-	Reduce	Ant0	-	21.5	20.23	0.13	0.565	1.00	1.34	0.76
	WCDMA IV	RMC12.2K	Rear Face	1.5	1312	-	-	Full	Ant0	-	25.5	24.22	-0.15	0.491	1.00	1.34	0.66
	WCDMA IV	RMC12.2K	Bottom Side	1.9	1312	-	-	Full	Ant0	-	25.5	24.22	0.13	0.428	1.00	1.34	0.57
	WCDMA IV	RMC12.2K	Front Face	1	1312	-	-	Full	Ant1	-	24	23.07	0.07	0.602	1.00	1.24	0.75
	WCDMA IV	RMC12.2K	Rear Face	1	1312	-	-	Reduce	Ant1	-	18.5	18.17	0.12	0.376	1.00	1.08	0.41
	WCDMA IV	RMC12.2K	Left Side	1	1312	-	-	Full	Ant1	-	24	23.07	-0.04	0.185	1.00	1.24	0.23
	WCDMA IV	RMC12.2K	Right Side	1	1312	-	-	Full	Ant1	-	24	23.07	0.11	0.072	1.00	1.24	0.09
	WCDMA IV	RMC12.2K	Top Side	1	1312	-	-	Reduce	Ant1	-	18.5	18.17	0.03	0.398	1.00	1.08	0.43
	WCDMA IV	RMC12.2K	Rear Face	1.5	1312	-	-	Full	Ant1	-	24	23.07	0.13	0.554	1.00	1.24	0.69
36	WCDMA IV	RMC12.2K	Top Side	1.5	1312	-	-	Full	Ant1	-	24	23.07	-0.01	0.640	1.00	1.24	0.79
	WCDMA V	RMC12.2K	Front Face	1	4132	-	-	Full	Ant0	-	25.5	24.19	0.08	0.149	1.00	1.35	0.20
37	WCDMA V	RMC12.2K	Rear Face	1	4132	-	-	Full	Ant0	-	25.5	24.19	0	0.237	1.00	1.35	0.32
	WCDMA V	RMC12.2K	Left Side	1	4132	-	-	Full	Ant0	-	25.5	24.19	0	0.085	1.00	1.35	0.11
	WCDMA V	RMC12.2K	Right Side	1	4132	-	-	Full	Ant0	-	25.5	24.19	-0.08	0.135	1.00	1.35	0.18
	WCDMA V	RMC12.2K	Bottom Side	1	4132	-	-	Full	Ant0	-	25.5	24.19	0.02	0.208	1.00	1.35	0.28
	WCDMA V	RMC12.2K	Front Face	1	4132	-	-	Full	Ant1	-	25.5	24.45	0.07	0.214	1.00	1.27	0.27
	WCDMA V	RMC12.2K	Rear Face	1	4132	-	-	Full	Ant1	-	25.5	24.45	-0.06	0.241	1.00	1.27	0.31
	WCDMA V	RMC12.2K	Left Side	1	4132	-	-	Full	Ant1	-	25.5	24.45	0.05	0.153	1.00	1.27	0.19
	WCDMA V	RMC12.2K	Right Side	1	4132	-	-	Full	Ant1	-	25.5	24.45	0.05	0.158	1.00	1.27	0.20
	WCDMA V	RMC12.2K	Top Side	1	4132	-	-	Full	Ant1	-	25.5	24.45	0.02	0.212	1.00	1.27	0.27
	LTE 2	QPSK20M	Front Face	1	18900	1	50	Full	Ant0	-	25.5	24.1	0.02	0.605	1.00	1.38	0.84
	LTE 2	QPSK20M	Rear Face	1	18900	1	50	Reduce	Ant0	-	21.5	20.51	-0.1	0.311	1.00	1.26	0.39
	LTE 2	QPSK20M	Left Side	1	18900	1	50	Full	Ant0	-	25.5	24.1	0	0.231	1.00	1.38	0.32
	LTE 2	QPSK20M	Right Side	1	18900	1	50	Full	Ant0	-	25.5	24.1	0	0.120	1.00	1.38	0.17
	LTE 2	QPSK20M	Bottom Side	1	18900	1	50	Reduce	Ant0	-	21.5	20.51	0.01	0.405	1.00	1.26	0.51
	LTE 2	QPSK20M	Rear Face	1.5	18900	1	50	Full	Ant0	-	25.5	24.1	0.04	0.404	1.00	1.38	0.56
	LTE 2	QPSK20M	Bottom Side	1.9	18900	1	50	Full	Ant0	-	25.5	24.1	-0.07	0.425	1.00	1.38	0.59
	LTE 2	QPSK20M	Front Face	1	18900	50	25	Full	Ant0	-	24.5	23.12	0.05	0.480	1.00	1.37	0.66
	LTE 2	QPSK20M	Rear Face	1	18900	50	25	Reduce	Ant0	-	21.5	20.22	-0.01	0.310	1.00	1.34	0.42
	LTE 2	QPSK20M	Left Side	1	18900	50	25	Full	Ant0	-	24.5	23.12	0	0.196	1.00	1.37	0.27
	LTE 2	QPSK20M	Right Side	1	18900	50	25	Full	Ant0	-	24.5	23.12	0.02	0.104	1.00	1.37	0.14
	LTE 2	QPSK20M	Bottom Side	1	18900	50	25	Reduce	Ant0	-	21.5	20.22	0.07	0.431	1.00	1.34	0.58
	LTE 2	QPSK20M	Rear Face	1.5	18900	50	25	Full	Ant0	-	24.5	23.12	0	0.244	1.00	1.37	0.34
	LTE 2	QPSK20M	Bottom Side	1.9	18900	50	25	Full	Ant0	-	24.5	23.12	-0.04	0.249	1.00	1.37	0.34
	LTE 2	QPSK20M	Front Face	1	18700	1	50	Full	Ant0	-	25.5	23.9	0	0.546	1.00	1.45	0.79
	LTE 2	QPSK20M	Front Face	1	19100	1	50	Full	Ant0	-	25.5	24.02	0.02	0.694	1.00	1.41	0.98
	LTE 2	QPSK20M	Front Face	1	18900	100	0	Full	Ant0	-	24.5	23.04		0.477	1.00	1.40	0.67
	LTE 2	QPSK20M	Front Face	1	18900	1	50	Full	Ant1	-	23.5	22.86	0.01	0.672	1.00	1.16	0.78
	LTE 2	QPSK20M	Rear Face	1	18900	1	50	Reduce	Ant1	-	18	17.35	0.05	0.453	1.00	1.16	0.53
	LTE 2	QPSK20M	Left Side	1	18900	1	50	Full	Ant1	-	23.5	22.86	-0.11	0.138	1.00	1.16	0.16
	LTE 2	QPSK20M	Right Side	1	18900	1	50	Full	Ant1	-	23.5	22.86	0.01	0.053	1.00	1.16	0.06
	LTE 2	QPSK20M	Top Side	1	18900	1	50	Reduce	Ant1	-	18	17.35	0.07	0.495	1.00	1.16	0.57
	LTE 2	QPSK20M	Rear Face	1.5	18900	1	50	Full	Ant1	-	23.5	22.86	0.09	0.742	1.00	1.16	0.86
	LTE 2	QPSK20M	Top Side	1.5	18900	1	50	Full	Ant1	-	23.5	22.86	-0.08	0.889	1.00	1.16	1.03
	LTE 2	QPSK20M	Rear Face	1.5	18700	1	50	Full	Ant1	-	23.5	22.71	0.01	0.712	1.00	1.20	0.85
	LTE 2	QPSK20M	Rear Face	1.5	19100	1	50	Full	Ant1	-	23.5	22.75	0.08	0.678	1.00	1.19	0.81
	LTE 2	QPSK20M	Top Side	1.5	18700	1	50	Full	Ant1	-	23.5	22.71	-0.06	0.842	1.00	1.20	1.01
	LTE 2	QPSK20M	Top Side	1.5	19100	1	50	Full	Ant1	-	23.5	22.75	-0.04	0.779	1.00	1.19	0.93
	LTE 2	QPSK20M	Front Face	1	18900	50	25	Full	Ant1	-	23.5	22.6	0.03	0.690	1.00	1.23	0.85
	LTE 2	QPSK20M	Rear Face	1	18900	50	25	Reduce	Ant1	-	18	17.11	0.12	0.456	1.00	1.23	0.56
	LTE 2	QPSK20M	Left Side	1	18900	50	25	Full	Ant1	-	23.5	22.6	0.04	0.135	1.00	1.23	0.17
	LTE 2	QPSK20M	Right Side	1	18900	50	25	Full	Ant1	-	23.5	22.6	0.05	0.058	1.00	1.23	0.07

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Plo t No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
38	LTE 2	QPSK20M	Top Side	1	18900	50	25	Reduce	Ant1	-	18	17.11	0.05	0.490	1.00	1.23	0.60
	LTE 2	QPSK20M	Rear Face	1.5	18900	50	25	Full	Ant1	-	23.5	22.6	0.16	0.757	1.00	1.23	0.93
	LTE 2	QPSK20M	Top Side	1.5	18900	50	25	Full	Ant1	-	23.5	22.6	0.01	0.890	1.00	1.23	1.09
	LTE 2	QPSK20M	Front Face	1	18700	50	25	Full	Ant1	-	23.5	22.47	0.03	0.665	1.00	1.27	0.84
	LTE 2	QPSK20M	Front Face	1	19100	50	25	Full	Ant1	-	23.5	22.49	0.06	0.612	1.00	1.26	0.77
	LTE 2	QPSK20M	Rear Face	1.5	18700	50	25	Full	Ant1	-	23.5	22.47	0.01	0.727	1.00	1.27	0.92
	LTE 2	QPSK20M	Rear Face	1.5	19100	50	25	Full	Ant1	-	23.5	22.49	0.09	0.687	1.00	1.26	0.87
	LTE 2	QPSK20M	Top Side	1.5	18700	50	25	Full	Ant1	-	23.5	22.47	0	0.852	1.00	1.27	1.08
	LTE 2	QPSK20M	Top Side	1.5	19100	50	25	Full	Ant1	-	23.5	22.49	-0.03	0.787	1.00	1.26	0.99
	LTE 2	QPSK20M	Front Face	1	18900	100	0	Full	Ant1	-	23.5	22.46	0.18	0.653	1.00	1.27	0.83
LTE 2	QPSK20M	Rear Face	1.5	18900	100	0	Full	Ant1	-	23.5	22.46	0.02	0.702	1.00	1.27	0.89	
LTE 2	QPSK20M	Top Side	1.5	18900	100	0	Full	Ant1	-	23.5	22.46	0	0.813	1.00	1.27	1.03	
LTE 4	QPSK20M	Front Face	1	20050	1	50	Full	Ant0	-	25.5	24.15	0.03	0.400	1.00	1.36	0.55	
LTE 4	QPSK20M	Rear Face	1	20050	1	50	Reduce	Ant0	-	21.5	20.56	0	0.349	1.00	1.24	0.43	
LTE 4	QPSK20M	Left Side	1	20050	1	50	Full	Ant0	-	25.5	24.15	0.08	0.161	1.00	1.36	0.22	
LTE 4	QPSK20M	Right Side	1	20050	1	50	Full	Ant0	-	25.5	24.15	-0.03	0.114	1.00	1.36	0.16	
LTE 4	QPSK20M	Bottom Side	1	20050	1	50	Reduce	Ant0	-	21.5	20.56	0.07	0.554	1.00	1.24	0.69	
LTE 4	QPSK20M	Rear Face	1.5	20050	1	50	Full	Ant0	-	25.5	24.15	-0.11	0.443	1.00	1.36	0.60	
LTE 4	QPSK20M	Bottom Side	1.9	20050	1	50	Full	Ant0	-	25.5	24.15	0.04	0.404	1.00	1.36	0.55	
LTE 4	QPSK20M	Front Face	1	20050	50	25	Full	Ant0	-	24.5	23.26	0.05	0.316	1.00	1.33	0.42	
LTE 4	QPSK20M	Rear Face	1	20050	50	25	Reduce	Ant0	-	21.5	20.3	0.07	0.346	1.00	1.32	0.46	
LTE 4	QPSK20M	Left Side	1	20050	50	25	Full	Ant0	-	24.5	23.26	0.05	0.128	1.00	1.33	0.17	
LTE 4	QPSK20M	Right Side	1	20050	50	25	Full	Ant0	-	24.5	23.26	0.07	0.097	1.00	1.33	0.13	
LTE 4	QPSK20M	Bottom Side	1	20050	50	25	Reduce	Ant0	-	21.5	20.3	0.04	0.554	1.00	1.32	0.73	
LTE 4	QPSK20M	Rear Face	1.5	20050	50	25	Full	Ant0	-	24.5	23.26	0.05	0.377	1.00	1.33	0.50	
LTE 4	QPSK20M	Bottom Side	1.9	20050	50	25	Full	Ant0	-	24.5	23.26	0.04	0.300	1.00	1.33	0.40	
LTE 4	QPSK20M	Front Face	1	20050	1	50	Full	Ant1	-	24	23.11	0.01	0.608	1.00	1.23	0.75	
LTE 4	QPSK20M	Rear Face	1	20050	1	50	Reduce	Ant1	-	19	18.33	0.14	0.413	1.00	1.17	0.48	
LTE 4	QPSK20M	Left Side	1	20050	1	50	Full	Ant1	-	24	23.11	0.02	0.189	1.00	1.23	0.23	
LTE 4	QPSK20M	Right Side	1	20050	1	50	Full	Ant1	-	24	23.11	0.09	0.075	1.00	1.23	0.09	
LTE 4	QPSK20M	Top Side	1	20050	1	50	Reduce	Ant1	-	19	18.33	0.12	0.433	1.00	1.17	0.51	
LTE 4	QPSK20M	Rear Face	1.5	20050	1	50	Full	Ant1	-	24	23.11	0.02	0.588	1.00	1.23	0.72	
LTE 4	QPSK20M	Top Side	1.5	20050	1	50	Full	Ant1	-	24	23.11	-0.07	0.684	1.00	1.23	0.84	
LTE 4	QPSK20M	Top Side	1.5	20175	1	50	Full	Ant1	-	24	23.06	-0.02	0.752	1.00	1.24	0.93	
LTE 4	QPSK20M	Top Side	1.5	20300	1	50	Full	Ant1	-	24	22.89	0.06	0.714	1.00	1.29	0.92	
LTE 4	QPSK20M	Front Face	1	20050	50	25	Full	Ant1	-	24	22.85	0.12	0.610	1.00	1.30	0.79	
LTE 4	QPSK20M	Rear Face	1	20050	50	25	Reduce	Ant1	-	19	18.04	0.07	0.405	1.00	1.25	0.51	
LTE 4	QPSK20M	Left Side	1	20050	50	25	Full	Ant1	-	24	22.85	-0.02	0.185	1.00	1.30	0.24	
LTE 4	QPSK20M	Right Side	1	20050	50	25	Full	Ant1	-	24	22.85	0.05	0.072	1.00	1.30	0.09	
LTE 4	QPSK20M	Top Side	1	20050	50	25	Reduce	Ant1	-	19	18.04	0.02	0.429	1.00	1.25	0.54	
LTE 4	QPSK20M	Rear Face	1.5	20050	50	25	Full	Ant1	-	24	22.85	0.06	0.596	1.00	1.30	0.78	
LTE 4	QPSK20M	Top Side	1.5	20050	50	25	Full	Ant1	-	24	22.85	-0.06	0.692	1.00	1.30	0.90	
39	LTE 4	QPSK20M	Top Side	1.5	20175	50	25	Full	Ant1	-	24	22.78	-0.08	0.782	1.00	1.32	1.04
	LTE 4	QPSK20M	Top Side	1.5	20300	50	25	Full	Ant1	-	24	22.61	-0.03	0.724	1.00	1.38	1.00
	LTE 4	QPSK20M	Top Side	1.5	20050	100	0	Full	Ant1	-	24	22.81	0.09	0.418	1.00	1.32	0.55
LTE 5	QPSK10M	Front Face	1	20525	1	0	Full	Ant0	-	25.5	24.03	0.05	0.138	1.00	1.40	0.19	
40	LTE 5	QPSK10M	Rear Face	1	20525	1	0	Full	Ant0	-	25.5	24.03	0.01	0.221	1.00	1.40	0.31
	LTE 5	QPSK10M	Left Side	1	20525	1	0	Full	Ant0	-	25.5	24.03	0.17	0.087	1.00	1.40	0.12
	LTE 5	QPSK10M	Right Side	1	20525	1	0	Full	Ant0	-	25.5	24.03	-0.15	0.148	1.00	1.40	0.21
	LTE 5	QPSK10M	Bottom Side	1	20525	1	0	Full	Ant0	-	25.5	24.03	0.05	0.157	1.00	1.40	0.22
	LTE 5	QPSK10M	Front Face	1	20525	25	12	Full	Ant0	-	24.5	23.14	0	0.117	1.00	1.37	0.16
	LTE 5	QPSK10M	Rear Face	1	20525	25	12	Full	Ant0	-	24.5	23.14	0.03	0.186	1.00	1.37	0.25
	LTE 5	QPSK10M	Left Side	1	20525	25	12	Full	Ant0	-	24.5	23.14	0.06	0.077	1.00	1.37	0.11
	LTE 5	QPSK10M	Right Side	1	20525	25	12	Full	Ant0	-	24.5	23.14	0.08	0.123	1.00	1.37	0.17
	LTE 5	QPSK10M	Bottom Side	1	20525	25	12	Full	Ant0	-	24.5	23.14	0.02	0.140	1.00	1.37	0.19
	LTE 5	QPSK10M	Front Face	1	20525	1	24	Full	Ant1	-	25.5	24.18	0.02	0.197	1.00	1.36	0.27
	LTE 5	QPSK10M	Rear Face	1	20525	1	24	Full	Ant1	-	25.5	24.18	-0.08	0.220	1.00	1.36	0.30
	LTE 5	QPSK10M	Left Side	1	20525	1	24	Full	Ant1	-	25.5	24.18	0.04	0.170	1.00	1.36	0.23
	LTE 5	QPSK10M	Right Side	1	20525	1	24	Full	Ant1	-	25.5	24.18	0.01	0.150	1.00	1.36	0.20
	LTE 5	QPSK10M	Top Side	1	20525	1	24	Full	Ant1	-	25.5	24.18	0.04	0.209	1.00	1.36	0.28
	LTE 5	QPSK10M	Front Face	1	20525	25	12	Full	Ant1	-	24.5	23.28	0.16	0.147	1.00	1.32	0.19
	LTE 5	QPSK10M	Rear Face	1	20525	25	12	Full	Ant1	-	24.5	23.28	0.18	0.181	1.00	1.32	0.24
LTE 5	QPSK10M	Left Side	1	20525	25	12	Full	Ant1	-	24.5	23.28	0.04	0.132	1.00	1.32	0.17	
LTE 5	QPSK10M	Right Side	1	20525	25	12	Full	Ant1	-	24.5	23.28	0.07	0.117	1.00	1.32	0.15	
LTE 5	QPSK10M	Top Side	1	20525	25	12	Full	Ant1	-	24.5	23.28	0.04	0.163	1.00	1.32	0.22	
LTE 7	QPSK20M	Front Face	1	21350	1	50	Full	Ant0	-	25.5	24.18	0.1	0.729	1.00	1.36	0.99	



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Plo t No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power Reduction	Antenna	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 7	QPSK20M	Rear Face	1	21350	1	50	Reduce	Ant0	-	19.5	18.33	0.03	0.358	1.00	1.31	0.47
	LTE 7	QPSK20M	Left Side	1	21350	1	50	Full	Ant0	-	25.5	24.18	0	0.041	1.00	1.36	0.06
	LTE 7	QPSK20M	Right Side	1	21350	1	50	Full	Ant0	-	25.5	24.18	0.19	0.150	1.00	1.36	0.20
	LTE 7	QPSK20M	Bottom Side	1	21350	1	50	Reduce	Ant0	-	19.5	18.33	0.04	0.480	1.00	1.31	0.63
	LTE 7	QPSK20M	Rear Face	1.5	21350	1	50	Full	Ant0	-	25.5	24.18	-0.04	0.773	1.00	1.36	1.05
41	LTE 7	QPSK20M	Bottom Side	1.9	21350	1	50	Full	Ant0	-	25.5	24.18	0	0.800	1.00	1.36	1.08
	LTE 7	QPSK20M	Front Face	1	21350	50	25	Full	Ant0	-	24.5	23.23	0.03	0.574	1.00	1.34	0.77
	LTE 7	QPSK20M	Rear Face	1	21350	50	25	Reduce	Ant0	-	19.5	18.19	0.04	0.355	1.00	1.35	0.48
	LTE 7	QPSK20M	Left Side	1	21350	50	25	Full	Ant0	-	24.5	23.23	0	0.022	1.00	1.34	0.03
	LTE 7	QPSK20M	Right Side	1	21350	50	25	Full	Ant0	-	24.5	23.23	0.07	0.118	1.00	1.34	0.16
	LTE 7	QPSK20M	Bottom Side	1	21350	50	25	Reduce	Ant0	-	19.5	18.19	0.06	0.469	1.00	1.35	0.63
	LTE 7	QPSK20M	Rear Face	1.5	21350	50	25	Full	Ant0	-	24.5	23.23	0.05	0.680	1.00	1.34	0.91
	LTE 7	QPSK20M	Bottom Side	1.9	21350	50	25	Full	Ant0	-	24.5	23.23	0.01	0.703	1.00	1.34	0.94
	LTE 7	QPSK20M	Front Face	1	20850	1	50	Full	Ant0	-	25.5	24.16	-0.07	0.571	1.00	1.36	0.78
	LTE 7	QPSK20M	Front Face	1	21100	1	50	Full	Ant0	-	25.5	24.14	0.18	0.654	1.00	1.37	0.89
	LTE 7	QPSK20M	Rear Face	1.5	20850	1	50	Full	Ant0	-	25.5	24.16	0.05	0.664	1.00	1.36	0.90
	LTE 7	QPSK20M	Rear Face	1.5	21100	1	50	Full	Ant0	-	25.5	24.14	0.1	0.763	1.00	1.37	1.04
	LTE 7	QPSK20M	Bottom Side	1.9	20850	1	50	Full	Ant0	-	25.5	24.16	0.04	0.618	1.00	1.36	0.84
	LTE 7	QPSK20M	Bottom Side	1.9	21100	1	50	Full	Ant0	-	25.5	24.14	-0.09	0.696	1.00	1.37	0.95
	LTE 7	QPSK20M	Front Face	1	20850	50	25	Full	Ant0	-	24.5	23.23	-0.17	0.404	1.00	1.34	0.54
	LTE 7	QPSK20M	Front Face	1	21100	50	25	Full	Ant0	-	24.5	23.19	0.04	0.519	1.00	1.35	0.70
	LTE 7	QPSK20M	Rear Face	1.5	20850	50	25	Full	Ant0	-	24.5	23.23	0.09	0.512	1.00	1.34	0.69
	LTE 7	QPSK20M	Rear Face	1.5	21100	50	25	Full	Ant0	-	24.5	23.19	0.05	0.586	1.00	1.35	0.79
	LTE 7	QPSK20M	Bottom Side	1.9	20850	50	25	Full	Ant0	-	24.5	23.23	0.04	0.493	1.00	1.34	0.66
	LTE 7	QPSK20M	Bottom Side	1.9	21100	50	25	Full	Ant0	-	24.5	23.19	0.03	0.592	1.00	1.35	0.80
	LTE 7	QPSK20M	Front Face	1	21350	100	0	Full	Ant0	-	24.5	23.12	0.03	0.558	1.00	1.37	0.77
	LTE 7	QPSK20M	Rear Face	1.5	21350	100	0	Full	Ant0	-	24.5	23.12	0.07	0.621	1.00	1.37	0.85
	LTE 7	QPSK20M	Bottom Side	1.9	21350	100	0	Full	Ant0	-	24.5	23.12	0.03	0.659	1.00	1.37	0.91
	CA_7C	QPSK20M	Bottom Side	1.9	PCC:20850 SCC:21048	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	-	25.5	23.86	0.09	0.723	1.00	1.46	1.05
	CA_7C	QPSK20M	Bottom Side	1.9	PCC:21001 SCC:21199	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	-	25.5	23.89	0.06	0.711	1.00	1.45	1.03
	CA_7C	QPSK20M	Bottom Side	1.9	PCC:21152 SCC:21350	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant0	-	25.5	23.92	-0.06	0.709	1.00	1.44	1.02
	LTE 7	QPSK20M	Front Face	1	21350	1	50	Full	Ant1	-	24	22.95	0.03	0.493	1.00	1.27	0.63
	LTE 7	QPSK20M	Rear Face	1	21350	1	50	Reduce	Ant1	-	19	18.07	0.07	0.181	1.00	1.24	0.22
	LTE 7	QPSK20M	Left Side	1	21350	1	50	Full	Ant1	-	24	22.95	0.15	0.313	1.00	1.27	0.40
	LTE 7	QPSK20M	Right Side	1	21350	1	50	Full	Ant1	-	24	22.95	0.09	0.079	1.00	1.27	0.10
	LTE 7	QPSK20M	Top Side	1	21350	1	50	Reduce	Ant1	-	19	18.07	0.04	0.191	1.00	1.24	0.24
	LTE 7	QPSK20M	Rear Face	1.5	21350	1	50	Full	Ant1	-	24	22.95	0	0.434	1.00	1.27	0.55
	LTE 7	QPSK20M	Top Side	1.5	21350	1	50	Full	Ant1	-	24	22.95	-0.09	0.457	1.00	1.27	0.58
	LTE 7	QPSK20M	Front Face	1	21350	50	25	Full	Ant1	-	24	22.64	0.05	0.380	1.00	1.37	0.52
	LTE 7	QPSK20M	Rear Face	1	21350	50	25	Reduce	Ant1	-	19	17.79	-0.09	0.175	1.00	1.32	0.23
	LTE 7	QPSK20M	Left Side	1	21350	50	25	Full	Ant1	-	24	22.64	-0.08	0.239	1.00	1.37	0.33
	LTE 7	QPSK20M	Right Side	1	21350	50	25	Full	Ant1	-	24	22.64	0.04	0.056	1.00	1.37	0.08
	LTE 7	QPSK20M	Top Side	1	21350	50	25	Reduce	Ant1	-	19	17.79	0.05	0.182	1.00	1.32	0.24
	LTE 7	QPSK20M	Rear Face	1.5	21350	50	25	Full	Ant1	-	24	22.64	0.01	0.343	1.00	1.37	0.47
	LTE 7	QPSK20M	Top Side	1.5	21350	50	25	Full	Ant1	-	24	22.64	0.14	0.360	1.00	1.37	0.49
	CA_7C	QPSK20M	Front Face	1	PCC:20850 SCC:21048	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant1	-	24	22.85	0.13	0.455	1.00	1.30	0.59
	CA_7C	QPSK20M	Front Face	1	PCC:21001 SCC:21199	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant1	-	24	22.78	0.1	0.423	1.00	1.32	0.56
	CA_7C	QPSK20M	Front Face	1	PCC:21152 SCC:21350	PCC:1 SCC:0	PCC:50 SCC:0	Full	Ant1	-	24	22.72	0.07	0.430	1.00	1.34	0.58
	LTE 38	QPSK20M	Front Face	1	37850	1	50	Full	Ant0	62.9	25.5	24.02	-0.02	0.426	1.01	1.41	0.60
	LTE 38	QPSK20M	Rear Face	1	37850	1	50	Reduce	Ant0	62.9	21	19.73	0.05	0.436	1.01	1.34	0.59
	LTE 38	QPSK20M	Left Side	1	37850	1	50	Full	Ant0	62.9	25.5	24.02	0.06	0.034	1.01	1.41	0.05
	LTE 38	QPSK20M	Right Side	1	37850	1	50	Full	Ant0	62.9	25.5	24.02	0.01	0.089	1.01	1.41	0.13
	LTE 38	QPSK20M	Bottom Side	1	37850	1	50	Reduce	Ant0	62.9	21	19.73	0.03	0.505	1.01	1.34	0.68
	LTE 38	QPSK20M	Rear Face	1.5	37850	1	50	Full	Ant0	62.9	25.5	24.02	-0.08	0.460	1.01	1.41	0.65
42	LTE 38	QPSK20M	Bottom Side	1.9	37850	1	50	Full	Ant0	62.9	25.5	24.02	-0.02	0.508	1.01	1.41	0.72
	LTE 38	QPSK20M	Front Face	1	37850	50	25	Full	Ant0	62.9	24.5	23.13	0.04	0.314	1.01	1.37	0.43
	LTE 38	QPSK20M	Rear Face	1	37850	50	25	Reduce	Ant0	62.9	21	19.71	0.01	0.426	1.01	1.35	0.58
	LTE 38	QPSK20M	Left Side	1	37850	50	25	Full	Ant0	62.9	24.5	23.13	0.09	0.027	1.01	1.37	0.04
	LTE 38	QPSK20M	Right Side	1	37850	50	25	Full	Ant0	62.9	24.5	23.13	-0.11	0.071	1.01	1.37	0.10
	LTE 38	QPSK20M	Bottom Side	1	37850	50	25	Reduce	Ant0	62.9	21	19.71	0.06	0.498	1.01	1.35	0.67
	LTE 38	QPSK20M	Rear Face	1.5	37850	50	25	Full	Ant0	62.9	24.5	23.13	0.05	0.370	1.01	1.37	0.51
	LTE 38	QPSK20M	Bottom Side	1.9	37850	50	25	Full	Ant0	62.9	24.5	23.13	0	0.427	1.01	1.37	0.59
	CA_38C	QPSK20M	Bottom Side	1.9	PCC:37850	PCC:1	PCC:50	Full	Ant0	62.9	25.5	23.45	0.17	0.402	1.01	1.60	0.65