<Reduced power for Product specific>

<LAT>

Configure		PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
Inter-Band	CA_2A-46A-46C-66A	Band 2	20M	1900	19100	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	20.06	20.10
		Band 2(4*4MIMO)	20M	1900	19100	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5160	46890	Band 46	20M	5885.2	54142	Band 46	20M	5905	54340	20.02	20.10
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	22.03	22.11
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5160	46890	Band 46	20M	5540.2	50692	Band 46	20M	5560	50890	21.96	22.11
	CA_2A-2A-46D	Band 2	20M	1900	19100	QPSK	1	0	Band 2	5M	1932.5	625	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	19.96	20.10
		Band 2(4*4MIMO)	20M	1900	19100	QPSK	1	0	Band 2	5M	1932.5	625	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	19.95	20.10
	CA_2A-46E	Band 2	20M	1900	19100	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	20.03	20.10
		Band 2(4*4MIMO)	20M	1900	19100	QPSK	1	0	Band 46	20M	5520	50490	Band 46	20M	5539.8	50688	Band 46	20M	5559.9	50889	Band 46	20M	5580	50190	19.98	20.10
	CA_2A-46A-46D	Band 2	20M	1900	19100	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.01	20.10
		Band 2(4*4MIMO)	20M	1900	19100	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	19.92	20.10
	CA_4A-46A-46D	Band 4	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.45	22.53
		Band 4(4*4MIMO)	20M	1732.5	20175	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.41	22.53
	CA_66A-46A-46D	Band 66	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.01	22.11
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 46	20M	5160	46890	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.93	22.11
	CA_2A-46D-66A	Band 2	20M	1900	19100	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.02	20.10
		Band 2(4*4MIMO)	20M	1900	19100	QPSK	1	0	Band 66	20M	2155	66886	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	20.01	20.10
		Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.96	22.11
		Band 66(4*4MIMO)	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 46	20M	5520.2	50492	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.92	22.11

For 5G NR EN-DC Downlink

Configure		CA List	PCC							SCC				5G n41				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	5G NR Band	BW (MHz)	DL Freq. (MHz)	DL Channel	EN-DC(LTE) Tx. Power (dBm)	EN-DC(NR) Tx. Power (dBm)
Intra-Band	Non-Contiguous	DC_41C-N41	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.8	40818	n41	100M	2592.99	518598	22.69	20.51
		DC_41A-41A-N41	Band 41	20M	2593	40620	QPSK	1	49	Band 41	5M	2687.5	41565	n41	100M	2592.99	518598	22.68	20.46

Configure			PCC							SCC1				SCC2				5G n41				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	5G NR Band	BW (MHz)	DL Freq. (MHz)	DL Channel	EN-DC(LTE) Tx. Power (dBm)	EN-DC(NR) Tx. Power (dBm)
Intra-Band	Non-Contiguous	DC_41A-41C-N41	Band 41	20M	2593	40620	QPSK	1	49	Band 41	5M	2687.5	41565	Band 41	20M	2675.8	41448	n41	100M	2592.99	518598	22.74	20.54
		DC_41D-N41	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	n41	100M	2592.99	518598	22.73	20.36

Configure			PCC							SCC1				SCC2				SCC3				5G n41				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	5G NR Band	BW (MHz)	DL Freq. (MHz)	DL Channel	EN-DC(LTE) Tx. Power (dBm)	EN-DC(NR) Tx. Power (dBm)
Intra-Band	Non-Contiguous	DC_41A-41D-N41	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2462.2	41094	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	n41	100M	2592.99	518598	22.32	20.96
		DC_41C-41C-N41	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.8	40818	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	n41	100M	2592.99	518598	22.41	20.93
		DC_41E-N41	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	Band 41	20M	2652.4	41214	n41	100M	2592.99	518598	22.31	20.92

Note: 5G NR downlink EN-DC power (EN-DC LTE and EN-DC NR) is not higher than correspondently EN-DC uplink power (EN-DC LTE and EN-DC NR), so no need to perform downink CA SAR.

<Power measurement when Uplink LTE Carrier Aggregation Active>

<Intra-Band Uplink carrier aggregation>

General Note:

i. The device supports intra-band uplink carrier aggregation for LTE B7/B41 with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.

ii. According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.

iii. Uplink CA is only operating with power class3, and additional SAR measurement for LTE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

<Full power>

<LAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	49	0	0	23.16	24.8
21100	20902	QPSK	1	49	0	0	23.36	24.8
21350	21152	QPSK	1	49	0	0	23.51	24.8

CA_41C-Class 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	49	0	0	22.41	23.8
40185	40383	QPSK	1	49	0	0	22.28	23.8
40620	40422	QPSK	1	49	0	0	22.52	23.8
41055	40857	QPSK	1	49	0	0	22.26	23.8
41490	41292	QPSK	1	49	0	0	22.17	23.8

<Reduced power for Hotspot>

<LAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
20850	21048	QPSK	50	0	0	0	21.01	22.3
21100	20902	QPSK	50	0	0	0	21.17	22.3
21350	21152	QPSK	50	0	0	0	21.27	22.3

<Reduced power for Product specific>

<LAT>

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	50	0	0	0	22.59	23.8
21100	20902	QPSK	50	0	0	0	22.55	23.8
21350	21152	QPSK	50	0	0	0	22.61	23.8

<WLAN Conducted Power>

General Note:

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

<Full power>

<2.4GHz WLAN ANT 1+2>

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN ANT 1+2	802.11b 1Mbps	1	2412	22.61	23.50	99.43
		6	2437	22.11	23.50	
		11	2462	22.07	23.50	
	802.11g 6Mbps	1	2412	21.41	22.50	98.28
		6	2437	21.07	22.50	
		11	2462	21.32	22.50	
	802.11n-HT20 MCS0	1	2412	21.46	22.50	98.16
		6	2437	21.17	22.50	
		11	2462	21.37	22.50	
	802.11n-HT40 MCS0	3	2422	18.47	19.50	94.93
		6	2437	18.37	19.50	
		9	2452	18.57	19.50	

<5GHz WLAN ANT1+2>

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN ANT 1+2	802.11a 6Mbps	36	5180	20.79	21.50	98.24
		40	5200	20.77	21.50	
		44	5220	20.81	21.50	
		48	5240	20.97	21.50	
	802.11n-HT20 MCS0	36	5180	20.64	21.50	97.57
		40	5200	20.62	21.50	
		44	5220	20.57	21.50	
		48	5240	20.93	21.50	
	802.11n-HT40 MCS0	38	5190	20.03	20.50	95.89
		46	5230	21.16	21.50	
	802.11ac-VHT20 MCS0	36	5180	20.59	21.50	96.13
		40	5200	20.56	21.50	
		44	5220	20.51	21.50	
		48	5240	20.90	21.50	
	802.11ac-VHT40 MCS0	38	5190	21.05	21.50	92.99
		46	5230	21.13	21.50	
	802.11ac-VHT80 MCS0	42	5210	18.87	19.50	87.13

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN ANT 1+2	802.11a 6Mbps	52	5260	19.89	20.50	98.24
		56	5280	19.88	20.50	
		60	5300	20.04	20.50	
		64	5320	20.06	20.50	
	802.11n-HT20 MCS0	52	5260	19.83	20.50	97.57
		56	5280	19.81	20.50	
		60	5300	19.72	20.50	
		64	5320	19.90	20.50	
	802.11n-HT40 MCS0	54	5270	20.20	20.50	95.89
		62	5310	20.32	20.50	
	802.11ac-VHT20 MCS0	52	5260	19.80	20.50	96.13
		56	5280	19.70	20.50	
		60	5300	19.69	20.50	
		64	5320	19.86	20.50	
	802.11ac-VHT40 MCS0	54	5270	20.15	20.50	92.99
		62	5310	20.23	20.50	
	802.11ac-VHT80 MCS0	58	5290	19.02	19.50	87.13

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN ANT 1+2	802.11a 6Mbps	100	5500	19.83	20.50	98.24
		116	5580	19.61	20.50	
		124	5620	19.50	20.50	
		132	5660	19.47	20.50	
		140	5700	19.53	20.50	
		144	5720	19.47	20.50	
	802.11n-HT20 MCS0	100	5500	19.81	20.50	97.57
		116	5580	19.46	20.50	
		124	5620	19.48	20.50	
		132	5660	19.40	20.50	
		140	5700	19.39	20.50	
		144	5720	19.32	20.50	
	802.11n-HT40 MCS0	102	5510	20.13	20.50	95.89
		110	5550	20.01	20.50	
		126	5630	19.86	20.50	
		134	5670	19.68	20.50	
		142	5710	19.72	20.50	
	802.11ac-VHT20 MCS0	100	5500	19.76	20.50	96.13
		116	5580	19.42	20.50	
		124	5620	19.46	20.50	
		132	5660	19.35	20.50	
		140	5700	19.34	20.50	
		144	5720	19.25	20.50	
	802.11ac-VHT40 MCS0	102	5510	20.09	20.50	92.99
		110	5550	19.97	20.50	
		126	5630	19.81	20.50	
		134	5670	19.63	20.50	
		142	5710	19.69	20.50	
	802.11ac-VHT80 MCS0	106	5530	18.70	19.50	87.13
		122	5610	18.47	19.50	
		138	5690	18.51	19.50	

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN ANT 1+2	802.11a 6Mbps	149	5745	19.51	20.50	98.24
		157	5785	19.64	20.50	
		165	5825	19.74	20.50	
	802.11n-HT20 MCS0	149	5745	19.29	20.50	97.57
		157	5785	19.58	20.50	
		165	5825	19.52	20.50	
	802.11n-HT40 MCS0	151	5755	19.80	20.50	95.89
		159	5795	19.99	20.50	
	802.11ac-VHT20 MCS0	149	5745	19.24	20.50	96.13
		157	5785	19.55	20.50	
		165	5825	19.48	20.50	
	802.11ac-VHT40 MCS0	151	5755	19.78	20.50	92.99
		159	5795	19.93	20.50	
	802.11ac-VHT80 MCS0	155	5775	18.68	19.50	87.13

<Reduced power for At-Head>

<2.4GHz WLAN ANT 1+2>

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN ANT 1+2	802.11b 1Mbps	1	2412	18.61	19.50	99.43
		6	2437	18.16	19.50	
		11	2462	18.11	19.50	
	802.11g 6Mbps	1	2412	17.51	18.50	98.28
		6	2437	17.32	18.50	
		11	2462	17.31	18.50	
	802.11n-HT20 MCS0	1	2412	17.46	18.50	98.16
		6	2437	17.32	18.50	
		11	2462	17.31	18.50	
	802.11n-HT40 MCS0	3	2422	15.47	16.50	94.93
		6	2437	15.57	16.50	
		9	2452	15.57	16.50	

<Reduced power for Hotspot>

<5GHz WLAN ANT1+2>

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN ANT 1+2	802.11a 6Mbps	36	5180	18.77	19.50	98.24
		40	5200	18.83	19.50	
		44	5220	18.81	19.50	
		48	5240	18.94	19.50	
	802.11n-HT20 MCS0	36	5180	18.63	19.50	97.57
		40	5200	18.60	19.50	
		44	5220	18.55	19.50	
		48	5240	18.92	19.50	
	802.11n-HT40 MCS0	38	5190	19.04	19.50	95.89
		46	5230	19.25	19.50	
	802.11ac-VHT20 MCS0	36	5180	18.60	19.50	96.13
		40	5200	18.57	19.50	
		44	5220	18.54	19.50	
		48	5240	18.90	19.50	
	802.11ac-VHT40 MCS0	38	5190	18.97	19.50	92.99
		46	5230	19.08	19.50	
	802.11ac-VHT80 MCS0	42	5210	17.87	18.50	87.13

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN ANT 1+2	802.11a 6Mbps	149	5745	17.49	18.50	98.24
		157	5785	17.65	18.50	
		165	5825	17.72	18.50	
	802.11n-HT20 MCS0	149	5745	17.26	18.50	97.57
		157	5785	17.58	18.50	
		165	5825	17.52	18.50	
	802.11n-HT40 MCS0	151	5755	17.78	18.50	95.89
		159	5795	17.97	18.50	
	802.11ac-VHT20 MCS0	149	5745	17.22	18.50	96.13
		157	5785	17.55	18.50	
		165	5825	17.48	18.50	
	802.11ac-VHT40 MCS0	151	5755	17.71	18.50	92.99
		159	5795	17.87	18.50	
	802.11ac-VHT80 MCS0	155	5775	16.67	17.50	87.13

<2.4GHz Bluetooth>

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
BR/EDR	CH 00	2402	12.70
	CH 39	2441	13.30
	CH 78	2480	12.70
Tune-up limit (dBm)			15.00

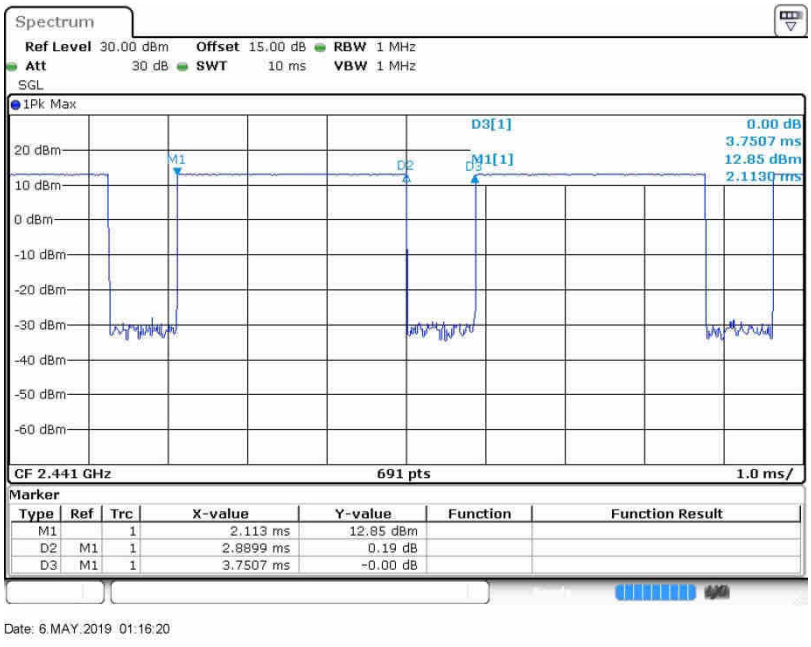
Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
v4.0 LE	CH 00	2402	9.00
	CH 19	2440	9.20
	CH 39	2480	10.30
Tune-up limit (dBm)			12.00

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
v5.0 LE	CH 00	2402	9.10
	CH 19	2440	9.30
	CH 39	2480	10.40
Tune-up limit (dBm)			12.00

General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps due to its highest average power and duty cycle is 77.05% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.

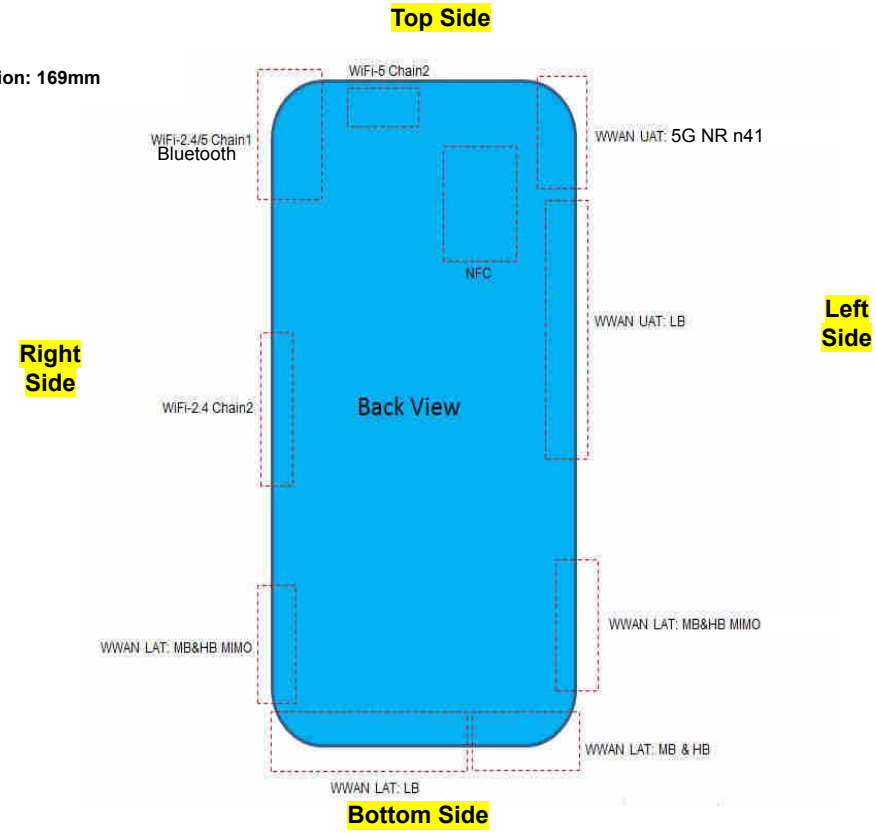
BT Duty cycle



13. Antenna Location

<Mobile Phone>

EUT dimension:
Length: 165mm
Weigh: 75mm
Diagonal dimension: 169mm



General Note:

1. Referring to KDB 941225 D06 v02r01, when the overall device length and width are ≥ 9cm*5cm, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge. Therefore, the WWAN UAT is not required for Bottom side, the WWAN LAT is not required for Top Side, WLAN/BT is not required for bottom side.
2. This device has WWAN UAT and LAT transmitter antennas. LAT antenna is located at the bottom edge of the device; UAT antenna is located at the left side of top edge of the device, and which can refer to antenna location chapter. LAT antenna frequency bands include GSM850/1900, WCDMA B2 / B4 / B5, CDMA BC0 / BC1 / BC10 and LTE B2 / B4 / B5 / B7 / B12 / B13 / B17 / B25 / B26 / B30 / B38 / B41 / B66 / B71, UAT antenna frequency bands include GSM850, WCDMA B5, CDMA BC0 / BC10 and LTE B5 / B12 / B13 / B17 / B26 / B71 and 5G NR n41

14. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
   a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
   b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
   c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
   d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
   e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
   - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
   - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
   - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
4. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g product specific SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold, for this device only bottom side SAR for WWAN transmitter scaled to maximum output power is higher than 1.2W/kg of GSM850, WCDMA B2/B4/B5, CDMA BC0/BC1 and LTE B4/B5/B7/B25/B30/B66, therefore product specific SAR is necessary.
6. For 5.3GHz / 5.5GHz WLAN product specific SAR is necessary too, due to an overall diagonal dimension is > 16cm.
7. 5G NR n41 support EN-DC with LTE Band 26 located at WWAN top antenna and LTE Band 26 /LTE band 41 located at WWAN bottom antenna. 5G NR n41 can't transmit standalone. It must be transmit together with EN-DC LTE bands.

Power State Note:

1. There are two power reduction levels when LAT Antenna is transmitting, two power reduction levels when UAT antenna is transmitting.
   More detail descriptions of the power reduction mechanism could refer as below:
   1) For LAT antenna (2 sets of power reduction levels).
      a) Product specific exposure conditions
      Reduced power – UMTS B2 / B4, CDMA BC1, LTE B2 / B4 / B7 / B25 / B30 / B66, LTE Uplink 7C, while the device is transmitting at the LAT antenna and P-sensor can detect handheld state, for product specific 10g SAR condition, reduced powers will be active for those bands.
      b) Hotspot exposure condition:
      Reduced power –UMTS B2 / B4, CDMA BC1, LTE B2 / B4 / B7 / B25 / B30 / B66, LTE Uplink 7C, while the device is transmitting at the LAT antenna and hotspot mode is enabled, power reduction enabled for those bands.

   2) For UAT antenna (2 sets of power reduction levels).
      a) Head exposure conditions:
      Reduced power – GSM850, WCDMA B5, CDMA BC0 / BC10, LTE B5 / B13 / B26, 5G NR n41, while the device is transmitting at the UAT antenna, and the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for those bands.
      b) Hotspot exposure condition:

      Reduced power –GSM 850, WCDMA B5, CDMA BC0 / BC10, LTE B5 / B12 / B13 / B17 / B26 / B71, while the device is transmitting at the UAT antenna and hotspot mode is enabled, power reduction enabled for those bands.

2. For WLAN transmitter
   Head exposure conditions:
   Reduced power –When the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for WLAN2.4GHz MIMO.
   Hotspot exposure conditions:
   Reduced power –While the device 5GHz WLAN is transmitting simultaneously with the WWAN UAT/LAT antenna and the Hotspot mode is enabled

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

UMTS Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”.
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA / HSPA+ is ≤ ¼ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA / HSPA+ to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.

CDMA Note:

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

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. This device supports HPUE for LTE band 41 with class 2 level, so HPUE SAR has been performed.

7. For LTE B4 / B5 / B12 / B17 / B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
8. For some LTE bands SAR wrer not required, due to the maximum output power include tolerance for the smaller band is ≤ the larger band and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band to qualify for the SAR test exclusion

5G NR Note:

1. 5G NR n41 is NSA mode.
2. LTE + 5G NR FR1 n41 operations are possible only with LTE B41 under EN-DC mode.
3. In NSA mode, LTE signal and 5G NR signal can be considered as uncorrelated, so we are testing the standalone SAR and use the SAR summation/ multi-band analysis to address the compliance.
4. Standalone SAR power level is higher or equal than single carrier for LTE bands when sum SAR for EN-DC whatever full power state or reduced power state. Standalone SAR is higher than single carrier SAR for LTE bands power level that combination to EN-DC. So summed EN-DC SAR is more conservative.
5. FCC KDB Publication 447498 D01v06 was used as a guideline for additional channel for SAR testing. When the reported SAR in EN-DC mode measured in a given a test configuration was > 0.6 W/kg for 1g evaluations, testing at the other channels was required for such test configuration.

WLAN Note:

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

14.1 Head SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_UAT	GPRS(4 Tx slots)	Right Cheek	0	Reduced	189	836.4	26.26	27.32	1.276	-0.12	0.410	0.523
	GSM850_UAT	GPRS(4 Tx slots)	Right Tilted	0	Reduced	189	836.4	26.26	27.32	1.276	-0.07	0.089	0.114
01	GSM850_UAT	GPRS(4 Tx slots)	Left Cheek	0	Reduced	189	836.4	26.26	27.32	1.276	-0.03	0.560	**0.715**
	GSM850_UAT	GPRS(4 Tx slots)	Left Tilted	0	Reduced	189	836.4	26.26	27.32	1.276	-0.1	0.101	0.129
	GSM850_LAT	GPRS(3 Tx slot)	Right Cheek	0	Full	128	824.2	28.71	29.41	1.175	-0.05	0.133	0.156
	GSM850_LAT	GPRS(3 Tx slot)	Right Tilted	0	Full	128	824.2	28.71	29.41	1.175	0.08	0.086	0.101
	GSM850_LAT	GPRS(3 Tx slot)	Left Cheek	0	Full	128	824.2	28.71	29.41	1.175	-0.11	0.151	0.177
	GSM850_LAT	GPRS(3 Tx slot)	Left Tilted	0	Full	128	824.2	28.71	29.41	1.175	-0.08	0.083	0.098
02	GSM1900_LAT	GPRS(4 Tx slots)	Right Cheek	0	Full	810	1909.8	24.30	25.48	1.312	0.09	0.143	**0.188**
	GSM1900_LAT	GPRS(4 Tx slots)	Right Tilted	0	Full	810	1909.8	24.30	25.48	1.312	0.08	0.086	0.113
	GSM1900_LAT	GPRS(4 Tx slots)	Left Cheek	0	Full	810	1909.8	24.30	25.48	1.312	0.15	0.077	0.101
	GSM1900_LAT	GPRS(4 Tx slots)	Left Tilted	0	Full	810	1909.8	24.30	25.48	1.312	0.03	0.076	0.100

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V_UAT	RMC 12.2Kbps	Right Cheek	0	Reduced	4182	836.4	22.08	22.80	1.180	-0.03	0.427	0.504
	WCDMA V_UAT	RMC 12.2Kbps	Right Tilted	0	Reduced	4182	836.4	22.08	22.80	1.180	0.15	0.083	0.098
03	WCDMA V_UAT	RMC 12.2Kbps	Left Cheek	0	Reduced	4182	836.4	22.08	22.80	1.180	-0.05	0.563	**0.665**
	WCDMA V_UAT	RMC 12.2Kbps	Left Tilted	0	Reduced	4182	836.4	22.08	22.80	1.180	0.08	0.098	0.116
	WCDMA V_LAT	RMC 12.2Kbps	Right Cheek	0	Full	4182	836.4	23.81	24.40	1.146	-0.11	0.125	0.143
	WCDMA V_LAT	RMC 12.2Kbps	Right Tilted	0	Full	4182	836.4	23.81	24.40	1.146	-0.07	0.094	0.108
	WCDMA V_LAT	RMC 12.2Kbps	Left Cheek	0	Full	4182	836.4	23.81	24.40	1.146	0.17	0.170	0.195
	WCDMA V_LAT	RMC 12.2Kbps	Left Tilted	0	Full	4182	836.4	23.81	24.40	1.146	-0.11	0.098	0.112
04	WCDMA IV_LAT	RMC 12.2Kbps	Right Cheek	0	Full	1413	1732.6	23.86	24.80	1.242	0.07	0.189	**0.235**
	WCDMA IV_LAT	RMC 12.2Kbps	Right Tilted	0	Full	1413	1732.6	23.86	24.80	1.242	0.16	0.113	0.140
	WCDMA IV_LAT	RMC 12.2Kbps	Left Cheek	0	Full	1413	1732.6	23.86	24.80	1.242	-0.07	0.115	0.143
	WCDMA IV_LAT	RMC 12.2Kbps	Left Tilted	0	Full	1413	1732.6	23.86	24.80	1.242	0.02	0.084	0.104
05	WCDMA II_LAT	RMC 12.2Kbps	Right Cheek	0	Full	9538	1907.6	23.87	24.80	1.239	0.08	0.304	**0.377**
	WCDMA II_LAT	RMC 12.2Kbps	Right Tilted	0	Full	9538	1907.6	23.87	24.80	1.239	0.18	0.185	0.229
	WCDMA II_LAT	RMC 12.2Kbps	Left Cheek	0	Full	9538	1907.6	23.87	24.80	1.239	-0.09	0.115	0.142
	WCDMA II_LAT	RMC 12.2Kbps	Left Tilted	0	Full	9538	1907.6	23.87	24.80	1.239	-0.19	0.162	0.201

<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA2000 BC0_UAT	RC3+SO55	Right Cheek	0	Reduced	777	848.31	22.46	23.30	1.213	0.13	0.555	0.673
	CDMA2000 BC0_UAT	RC3+SO55	Right Tilted	0	Reduced	777	848.31	22.46	23.30	1.213	-0.03	0.103	0.125
06	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0	Reduced	777	848.31	22.46	23.30	1.213	-0.09	0.757	**0.919**
	CDMA2000 BC0_UAT	RC3+SO55	Left Tilted	0	Reduced	777	848.31	22.46	23.30	1.213	0.17	0.182	0.221
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0	Reduced	1013	824.7	22.42	23.30	1.225	0.05	0.693	0.849
	CDMA2000 BC0_UAT	RC3+SO55	Left Cheek	0	Reduced	384	836.52	22.43	23.30	1.222	-0.16	0.690	0.843
	CDMA2000 BC0_LAT	RC3+SO55	Right Cheek	0	Full	777	848.31	23.55	24.40	1.216	0.08	0.134	0.163
	CDMA2000 BC0_LAT	RC3+SO55	Right Tilted	0	Full	777	848.31	23.55	24.40	1.216	0.12	0.099	0.120
	CDMA2000 BC0_LAT	RC3+SO55	Left Cheek	0	Full	777	848.31	23.55	24.40	1.216	0.17	0.169	0.206
	CDMA2000 BC0_LAT	RC3+SO55	Left Tilted	0	Full	777	848.31	23.55	24.40	1.216	0.13	0.088	0.107
07	CDMA2000 BC1_LAT	RC3+SO55	Right Cheek	0	Full	1175	1908.75	23.86	24.80	1.242	0.05	0.265	**0.329**
	CDMA2000 BC1_LAT	RC3+SO55	Right Tilted	0	Full	1175	1908.75	23.86	24.80	1.242	-0.05	0.155	0.192
	CDMA2000 BC1_LAT	RC3+SO55	Left Cheek	0	Full	1175	1908.75	23.86	24.80	1.242	-0.15	0.150	0.186
	CDMA2000 BC1_LAT	RC3+SO55	Left Tilted	0	Full	1175	1908.75	23.86	24.80	1.242	-0.15	0.149	0.185
	CDMA2000 BC10_UAT	RC3+SO55	Right Cheek	0	Reduced	580	820.5	22.45	23.30	1.216	0.17	0.554	0.674
	CDMA2000 BC10_UAT	RC3+SO55	Right Tilted	0	Reduced	580	820.5	22.45	23.30	1.216	0.15	0.104	0.126
	CDMA2000 BC10_UAT	RC3+SO55	Left Cheek	0	Reduced	580	820.5	22.45	23.30	1.216	-0.04	0.703	0.855
	CDMA2000 BC10_UAT	RC3+SO55	Left Tilted	0	Reduced	580	820.5	22.45	23.30	1.216	0.05	0.118	0.144
	CDMA2000 BC10_UAT	RC3+SO55	Left Cheek	0	Reduced	476	817.9	22.42	23.30	1.225	0.13	0.689	0.844
08	CDMA2000 BC10_UAT	RC3+SO55	Left Cheek	0	Reduced	684	823.1	22.41	23.30	1.227	-0.08	0.704	**0.864**
	CDMA2000 BC10_LAT	RC3+SO55	Right Cheek	0	Full	580	820.5	23.60	24.40	1.202	-0.07	0.119	0.143
	CDMA2000 BC10_LAT	RC3+SO55	Right Tilted	0	Full	580	820.5	23.60	24.40	1.202	-0.09	0.088	0.106
	CDMA2000 BC10_LAT	RC3+SO55	Left Cheek	0	Full	580	820.5	23.60	24.40	1.202	-0.11	0.150	0.180
	CDMA2000 BC10_LAT	RC3+SO55	Left Tilted	0	Full	580	820.5	23.60	24.40	1.202	0.12	0.081	0.097

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Right Cheek	0	Full	133322	683	24.15	24.80	1.161	-0.03	0.527	0.612
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Right Tilted	0	Full	133322	683	24.15	24.80	1.161	-0.02	0.097	0.113
09	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Left Cheek	0	Full	133322	683	24.15	24.80	1.161	0.02	0.668	**0.776**
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Left Tilted	0	Full	133322	683	24.15	24.80	1.161	0.17	0.108	0.125
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Right Cheek	0	Full	133322	683	23.29	23.80	1.125	0.06	0.493	0.554
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Right Tilted	0	Full	133322	683	23.29	23.80	1.125	0.13	0.091	0.102
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Left Cheek	0	Full	133322	683	23.29	23.80	1.125	0.03	0.541	0.608
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Left Tilted	0	Full	133322	683	23.29	23.80	1.125	0.16	0.100	0.112
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0	Full	133322	683	23.64	24.40	1.191	0.17	0.100	0.119
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Right Tilted	0	Full	133322	683	23.64	24.40	1.191	-0.19	0.064	0.076
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Left Cheek	0	Full	133322	683	23.64	24.40	1.191	-0.18	0.129	0.154
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Left Tilted	0	Full	133322	683	23.64	24.40	1.191	0.06	0.070	0.083
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Right Cheek	0	Full	133322	683	22.77	23.40	1.156	-0.11	0.079	0.091
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Right Tilted	0	Full	133322	683	22.77	23.40	1.156	0.02	0.047	0.054
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Left Cheek	0	Full	133322	683	22.77	23.40	1.156	0.11	0.105	0.121
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Left Tilted	0	Full	133322	683	22.77	23.40	1.156	0.13	0.051	0.059
	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Right Cheek	0	Full	23095	707.5	24.09	24.80	1.178	0.1	0.552	0.650
	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Right Tilted	0	Full	23095	707.5	24.09	24.80	1.178	0.08	0.096	0.113
10	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Left Cheek	0	Full	23095	707.5	24.09	24.80	1.178	0.09	0.737	**0.868**
	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Left Tilted	0	Full	23095	707.5	24.09	24.80	1.178	0.04	0.122	0.144
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Right Cheek	0	Full	23095	707.5	23.15	23.80	1.161	-0.17	0.377	0.438
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Right Tilted	0	Full	23095	707.5	23.15	23.80	1.161	-0.15	0.079	0.092
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Left Cheek	0	Full	23095	707.5	23.15	23.80	1.161	0.05	0.649	0.754
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Left Tilted	0	Full	23095	707.5	23.15	23.80	1.161	0.03	0.099	0.115
	LTE Band 12_UAT	10M	QPSK	50RB	0Offset	Left Cheek	0	Full	23095	707.5	23.14	23.80	1.164	0.08	0.646	0.752
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Right Cheek	0	Full	23095	707.5	23.83	24.40	1.140	-0.05	0.096	0.109
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Right Tilted	0	Full	23095	707.5	23.83	24.40	1.140	0.05	0.066	0.075
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Left Cheek	0	Full	23095	707.5	23.83	24.40	1.140	-0.14	0.124	0.141
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Left Tilted	0	Full	23095	707.5	23.83	24.40	1.140	-0.02	0.064	0.073
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Right Cheek	0	Full	23095	707.5	22.91	23.40	1.119	-0.14	0.081	0.091
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Right Tilted	0	Full	23095	707.5	22.91	23.40	1.119	0.04	0.055	0.062
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Left Cheek	0	Full	23095	707.5	22.91	23.40	1.119	0.17	0.106	0.119
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Left Tilted	0	Full	23095	707.5	22.91	23.40	1.119	-0.16	0.053	0.059

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Right Cheek	0	Reduced	23230	782	21.75	22.80	1.274	-0.16	0.305	0.388
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Right Tilted	0	Reduced	23230	782	21.75	22.80	1.274	0.04	0.066	0.084
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Left Cheek	0	Reduced	23230	782	21.75	22.80	1.274	-0.09	0.423	0.539
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Left Tilted	0	Reduced	23230	782	21.75	22.80	1.274	0.18	0.079	0.101
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Right Cheek	0	Reduced	23230	782	21.69	22.80	1.291	0.08	0.347	0.448
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Right Tilted	0	Reduced	23230	782	21.69	22.80	1.291	0.07	0.065	0.084
11	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Left Cheek	0	Reduced	23230	782	21.69	22.80	1.291	-0.05	0.421	**0.544**
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Left Tilted	0	Reduced	23230	782	21.69	22.80	1.291	-0.02	0.084	0.108
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Right Cheek	0	Full	23230	782	23.50	24.40	1.230	-0.18	0.098	0.121
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Right Tilted	0	Full	23230	782	23.50	24.40	1.230	-0.18	0.067	0.082
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Left Cheek	0	Full	23230	782	23.50	24.40	1.230	-0.03	0.125	0.154
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Left Tilted	0	Full	23230	782	23.50	24.40	1.230	-0.13	0.070	0.086
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Right Cheek	0	Full	23230	782	22.56	23.40	1.213	0.15	0.082	0.099
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Right Tilted	0	Full	23230	782	22.56	23.40	1.213	0.13	0.054	0.066
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Left Cheek	0	Full	23230	782	22.56	23.40	1.213	0.06	0.101	0.123
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Left Tilted	0	Full	23230	782	22.56	23.40	1.213	0.09	0.056	0.068
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Right Cheek	0	Reduced	20525	836.5	22.89	23.80	1.233	0.19	0.458	0.565
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Right Tilted	0	Reduced	20525	836.5	22.89	23.80	1.233	0.04	0.093	0.115
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Cheek	0	Reduced	20525	836.5	22.89	23.80	1.233	-0.08	0.650	0.802
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Tilted	0	Reduced	20525	836.5	22.89	23.80	1.233	0.04	0.114	0.141
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Right Cheek	0	Reduced	20525	836.5	22.87	23.80	1.239	-0.06	0.631	0.782
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Right Tilted	0	Reduced	20525	836.5	22.87	23.80	1.239	-0.02	0.097	0.120
12	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Left Cheek	0	Reduced	20525	836.5	22.87	23.80	1.239	-0.09	0.656	**0.813**
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Left Tilted	0	Reduced	20525	836.5	22.87	23.80	1.239	0.05	0.117	0.145
	LTE Band 5_UAT	10M	QPSK	50RB	0Offset	Left Cheek	0	Reduced	20525	836.5	22.86	23.80	1.242	0.03	0.653	0.811
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Right Cheek	0	Full	20525	836.5	23.56	24.40	1.213	0.18	0.112	0.136
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Right Tilted	0	Full	20525	836.5	23.56	24.40	1.213	0.04	0.081	0.098
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Left Cheek	0	Full	20525	836.5	23.56	24.40	1.213	0.01	0.147	0.178
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Left Tilted	0	Full	20525	836.5	23.56	24.40	1.213	-0.03	0.077	0.093
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Right Cheek	0	Full	20525	836.5	22.57	23.40	1.211	0.12	0.092	0.111
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Right Tilted	0	Full	20525	836.5	22.57	23.40	1.211	-0.16	0.065	0.079
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Left Cheek	0	Full	20525	836.5	22.57	23.40	1.211	0.08	0.118	0.143
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Left Tilted	0	Full	20525	836.5	22.57	23.40	1.211	-0.18	0.061	0.074

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Cheek	0	Reduced	26965	841.5	22.16	22.80	1.159	0.13	0.269	0.312
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Tilted	0	Reduced	26965	841.5	22.16	22.80	1.159	-0.18	0.032	0.037
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Cheek	0	Reduced	26965	841.5	22.16	22.80	1.159	0.02	0.549	0.636
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Tilted	0	Reduced	26965	841.5	22.16	22.80	1.159	-0.04	0.093	0.108
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Right Cheek	0	Reduced	26965	841.5	22.05	22.80	1.189	0.19	0.323	0.384
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Right Tilted	0	Reduced	26965	841.5	22.05	22.80	1.189	-0.16	0.041	0.049
13	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Left Cheek	0	Reduced	26965	841.5	22.05	22.80	1.189	-0.05	0.572	**0.680**
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Left Tilted	0	Reduced	26965	841.5	22.05	22.80	1.189	0.01	0.094	0.112
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Right Cheek	0	Full	26965	841.5	22.74	23.40	1.164	0.05	0.083	0.097
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Right Tilted	0	Full	26965	841.5	22.74	23.40	1.164	-0.03	0.060	0.070
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Cheek	0	Full	26965	841.5	22.74	23.40	1.164	0.1	0.101	0.118
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Tilted	0	Full	26965	841.5	22.74	23.40	1.164	0.15	0.056	0.065
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Right Cheek	0	Full	26965	841.5	21.82	22.40	1.143	0.02	0.069	0.079
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Right Tilted	0	Full	26965	841.5	21.82	22.40	1.143	0.17	0.049	0.056
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Left Cheek	0	Full	26965	841.5	21.82	22.40	1.143	0.05	0.091	0.104
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Left Tilted	0	Full	26965	841.5	21.82	22.40	1.143	-0.06	0.046	0.053
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Cheek	0	Full for EN-DC	26965	841.5	19.79	20.80	1.262	-0.03	0.195	0.246
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Tilted	0	Full for EN-DC	26965	841.5	19.79	20.80	1.262	0.02	0.021	0.026
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Cheek	0	Full for EN-DC	26965	841.5	19.79	20.80	1.262	0.04	0.353	0.445
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Tilted	0	Full for EN-DC	26965	841.5	19.79	20.80	1.262	-0.07	0.056	0.071
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Right Cheek	0	Full for EN-DC	26965	841.5	18.78	19.80	1.265	0.06	0.153	0.194
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Right Tilted	0	Full for EN-DC	26965	841.5	18.78	19.80	1.265	-0.11	0.016	0.020
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Left Cheek	0	Full for EN-DC	26965	841.5	18.78	19.80	1.265	0.09	0.301	0.381
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Left Tilted	0	Full for EN-DC	26965	841.5	18.78	19.80	1.265	0.11	0.042	0.053
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Right Cheek	0	Full for EN-DC	26965	841.5	19.24	20.80	1.432	0.03	0.056	0.080
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Right Tilted	0	Full for EN-DC	26965	841.5	19.24	20.80	1.432	-0.08	0.012	0.017
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Cheek	0	Full for EN-DC	26965	841.5	19.24	20.80	1.432	0.06	0.047	0.067
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Tilted	0	Full for EN-DC	26965	841.5	19.24	20.80	1.432	0.05	0.031	0.044
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Right Cheek	0	Full for EN-DC	26965	841.5	18.36	19.80	1.393	0.05	0.034	0.047
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Right Tilted	0	Full for EN-DC	26965	841.5	18.36	19.80	1.393	-0.03	0.008	0.011
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Left Cheek	0	Full for EN-DC	26965	841.5	18.36	19.80	1.393	0.03	0.035	0.049
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Left Tilted	0	Full for EN-DC	26965	841.5	18.36	19.80	1.393	0.06	0.024	0.033

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
14	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0	Full	132322	1745	24.05	24.80	1.189	0.06	0.212	**0.252**
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Right Tilted	0	Full	132322	1745	24.05	24.80	1.189	-0.12	0.120	0.143
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Left Cheek	0	Full	132322	1745	24.05	24.80	1.189	-0.06	0.116	0.138
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Left Tilted	0	Full	132322	1745	24.05	24.80	1.189	-0.13	0.088	0.105
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Right Cheek	0	Full	132322	1745	23.11	23.80	1.172	0.08	0.172	0.202
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Right Tilted	0	Full	132322	1745	23.11	23.80	1.172	0.19	0.104	0.122
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Left Cheek	0	Full	132322	1745	23.11	23.80	1.172	-0.05	0.095	0.111
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Left Tilted	0	Full	132322	1745	23.11	23.80	1.172	-0.01	0.074	0.087
15	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Right Cheek	0	Full	26590	1905	23.89	24.80	1.233	0.09	0.268	**0.330**
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Right Tilted	0	Full	26590	1905	23.89	24.80	1.233	-0.13	0.164	0.202
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Left Cheek	0	Full	26590	1905	23.89	24.80	1.233	0.15	0.149	0.184
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Left Tilted	0	Full	26590	1905	23.89	24.80	1.233	-0.01	0.116	0.143
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Right Cheek	0	Full	26590	1905	22.96	23.80	1.213	0.08	0.224	0.272
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Right Tilted	0	Full	26590	1905	22.96	23.80	1.213	-0.07	0.140	0.170
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Left Cheek	0	Full	26590	1905	22.96	23.80	1.213	-0.06	0.127	0.154
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Left Tilted	0	Full	26590	1905	22.96	23.80	1.213	0.04	0.127	0.154
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Right Cheek	0	Full	27710	2310	23.44	24.80	1.368	0.17	0.114	0.156
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Right Tilted	0	Full	27710	2310	23.44	24.80	1.368	-0.18	0.073	0.100
16	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Left Cheek	0	Full	27710	2310	23.44	24.80	1.368	0.18	0.131	**0.179**
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Left Tilted	0	Full	27710	2310	23.44	24.80	1.368	-0.15	0.067	0.092
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Right Cheek	0	Full	27710	2310	22.48	23.80	1.355	-0.1	0.094	0.127
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Right Tilted	0	Full	27710	2310	22.48	23.80	1.355	-0.18	0.062	0.084
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Left Cheek	0	Full	27710	2310	22.48	23.80	1.355	0.15	0.110	0.149
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Left Tilted	0	Full	27710	2310	22.48	23.80	1.355	-0.1	0.054	0.073
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Right Cheek	0	Full	21350	2560	24.05	24.80	1.189	-0.08	0.092	0.109
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Right Tilted	0	Full	21350	2560	24.05	24.80	1.189	0.03	0.053	0.063
17	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0	Full	21350	2560	24.05	24.80	1.189	0.19	0.144	**0.171**
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Left Tilted	0	Full	21350	2560	24.05	24.80	1.189	-0.17	0.066	0.078
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0	Full	21350(PCC)+ 21152(SCC)	2560(PCC)+ 2540.2(SCC)	23.51	24.80	1.346	-0.09	0.111	0.149
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Right Cheek	0	Full	21350	2560	23.19	23.80	1.151	-0.11	0.072	0.083
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Right Tilted	0	Full	21350	2560	23.19	23.80	1.151	-0.12	0.049	0.056
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Left Cheek	0	Full	21350	2560	23.19	23.80	1.151	0.17	0.121	0.139
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Left Tilted	0	Full	21350	2560	23.19	23.80	1.151	-0.15	0.054	0.063

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Class	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Right Cheek	0	-	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	0.02	0.032	0.038
	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Right Tilted	0	-	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	0.05	0.024	0.029
18	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0	-	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	-0.08	0.063	0.075
	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Left Tilted	0	-	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	0.1	0.023	0.028
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Right Cheek	0	-	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	0.05	0.031	0.036
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Right Tilted	0	-	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	0.01	0.021	0.024
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Left Cheek	0	-	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	-0.1	0.034	0.040
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Left Tilted	0	-	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	0.13	0.018	0.021
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Right Cheek	0	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	-0.05	0.036	0.043
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Right Tilted	0	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	0.02	0.021	0.025
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	0.06	0.048	0.057
19	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0	2	Full	40620	2593	24.82	25.80	1.253	42.9	1.009	-0.09	0.051	0.064
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Tilted	0	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	0.1	0.024	0.028
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Cheek	0	3	Full	40620(PCC)+ 40422(SCC)	2593(PCC)+ 2573.2(SCC)	22.52	23.80	1.343	62.9	1.006	0.09	0.040	0.054
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Right Cheek	0	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	0.1	0.029	0.033
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Right Tilted	0	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	-0.02	0.017	0.019
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Left Cheek	0	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	0.14	0.040	0.046
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Left Tilted	0	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	0.08	0.012	0.014

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	N41	100M	QPSK	1RB	1Offset	Right Cheek	0	Reduced	518598	2592.99	16.49	17.50	1.262	0.09	0.612	0.772
	N41	100M	QPSK	1RB	1Offset	Right Tilted	0	Reduced	518598	2592.99	16.49	17.50	1.262	0.03	0.600	0.757
	N41	100M	QPSK	1RB	1Offset	Left Cheek	0	Reduced	518598	2592.99	16.49	17.50	1.262	-0.07	0.121	0.153
	N41	100M	QPSK	1RB	1Offset	Left Tilted	0	Reduced	518598	2592.99	16.49	17.50	1.262	0.05	0.192	0.242
20	N41	100M	QPSK	1RB	1Offset	Right Cheek	0	Reduced	509202	2546.01	16.03	17.50	1.403	0.04	0.622	0.873
	N41	100M	QPSK	1RB	1Offset	Right Cheek	0	Reduced	513900	2569.5	16.00	17.50	1.413	0.02	0.572	0.808
	N41	100M	QPSK	1RB	1Offset	Right Cheek	0	Reduced	523299	2616.495	15.95	17.50	1.429	0.09	0.434	0.620
	N41	100M	QPSK	1RB	1Offset	Right Cheek	0	Reduced	528000	2640	15.82	17.50	1.472	0.11	0.548	0.807
	N41	100M	QPSK	1RB	1Offset	Right Tilted	0	Reduced	509202	2546.01	16.03	17.50	1.403	0.09	0.577	0.809
	N41	100M	QPSK	1RB	1Offset	Right Tilted	0	Reduced	513900	2569.5	16.00	17.50	1.413	0.02	0.583	0.824
	N41	100M	QPSK	1RB	1Offset	Right Tilted	0	Reduced	523299	2616.495	15.95	17.50	1.429	0.07	0.457	0.653
	N41	100M	QPSK	1RB	1Offset	Right Tilted	0	Reduced	528000	2640	15.82	17.50	1.472	0.01	0.592	0.872
	N41	100M	QPSK	137RB	68Offset	Right Cheek	0	Reduced	518598	2592.99	15.74	17.50	1.500	-0.09	0.547	0.820
	N41	100M	QPSK	137RB	68Offset	Right Tilted	0	Reduced	518598	2592.99	15.74	17.50	1.500	0.11	0.484	0.726
	N41	100M	QPSK	137RB	68Offset	Left Cheek	0	Reduced	518598	2592.99	15.74	17.50	1.500	0.05	0.097	0.145
	N41	100M	QPSK	137RB	68Offset	Left Tilted	0	Reduced	518598	2592.99	15.74	17.50	1.500	-0.02	0.151	0.226
	N41	100M	QPSK	137RB	68Offset	Right Cheek	0	Reduced	509202	2546.01	15.66	17.50	1.528	0.11	0.461	0.704
	N41	100M	QPSK	137RB	68Offset	Right Cheek	0	Reduced	513900	2569.5	15.70	17.50	1.514	-0.03	0.451	0.683
	N41	100M	QPSK	137RB	68Offset	Right Cheek	0	Reduced	523299	2616.495	15.55	17.50	1.567	0.05	0.473	0.741
	N41	100M	QPSK	137RB	68Offset	Right Cheek	0	Reduced	528000	2640	15.59	17.50	1.552	0.17	0.491	0.762
	N41	100M	QPSK	137RB	68Offset	Right Tilted	0	Reduced	509202	2546.01	15.66	17.50	1.528	0.09	0.477	0.729
	N41	100M	QPSK	137RB	68Offset	Right Tilted	0	Reduced	513900	2569.5	15.70	17.50	1.514	0.1	0.484	0.733
	N41	100M	QPSK	137RB	68Offset	Right Tilted	0	Reduced	523299	2616.495	15.55	17.50	1.567	0.13	0.479	0.750
	N41	100M	QPSK	137RB	68Offset	Right Tilted	0	Reduced	528000	2640	15.59	17.50	1.552	-0.07	0.502	0.779
	N41	100M	QPSK	273RB	0Offset	Right Cheek	0	Reduced	518598	2592.99	15.91	17.50	1.442	0.12	0.598	0.862
	N41	100M	QPSK	273RB	0Offset	Right Tilted	0	Reduced	518598	2592.99	15.91	17.50	1.442	-0.03	0.509	0.734

<WLAN 2.4GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0	Ant 1+2	Reduced	1	2412	18.61	19.50	1.227	99.43	1.006	0.03	0.252	0.311
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0	Ant 1+2	Reduced	1	2412	18.61	19.50	1.227	99.43	1.006	0.05	0.170	0.210
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0	Ant 1+2	Reduced	1	2412	18.61	19.50	1.227	99.43	1.006	-0.1	0.703	0.868
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0	Ant 1+2	Reduced	1	2412	18.61	19.50	1.227	99.43	1.006	0.13	0.514	0.635
21	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0	Ant 1+2	Reduced	6	2437	18.16	19.50	1.361	99.43	1.006	0.09	0.647	**0.886**

<WLAN 5GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Cheek	0	Ant 1+2	Full	46	5230	21.16	21.50	1.081	95.89	1.043	-0.05	0.101	0.114
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Tilted	0	Ant 1+2	Full	46	5230	21.16	21.50	1.081	95.89	1.043	0.04	0.092	0.104
22	WLAN5.2GHz	802.11n-HT40 MCS0	Left Cheek	0	Ant 1+2	Full	46	5230	21.16	21.50	1.081	95.89	1.043	-0.04	0.183	**0.206**
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Tilted	0	Ant 1+2	Full	46	5230	21.16	21.50	1.081	95.89	1.043	-0.09	0.175	0.197
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Cheek	0	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	0.16	0.089	0.101
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Tilted	0	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	-0.07	0.128	0.145
23	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	-0.01	0.275	**0.312**
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Tilted	0	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	0.11	0.258	0.293
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Cheek	0	Ant 1+2	Full	159	5795	19.99	20.50	1.125	95.89	1.043	0.03	0.125	0.147
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Tilted	0	Ant 1+2	Full	159	5795	19.99	20.50	1.125	95.89	1.043	0.1	0.142	0.167
	WLAN5.8GHz	802.11n-HT40 MCS0	Left Cheek	0	Ant 1+2	Full	159	5795	19.99	20.50	1.125	95.89	1.043	0.08	0.319	0.374
24	WLAN5.8GHz	802.11n-HT40 MCS0	Left Tilted	0	Ant 1+2	Full	159	5795	19.99	20.50	1.125	95.89	1.043	-0.02	0.333	**0.391**

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Right Cheek	0	39	2441	13.30	15.00	1.479	77.05	1.081	0.1	0.118	0.189
	Bluetooth	1Mbps	Right Tilted	0	39	2441	13.30	15.00	1.479	77.05	1.081	0.05	0.073	0.117
25	Bluetooth	1Mbps	Left Cheek	0	39	2441	13.30	15.00	1.479	77.05	1.081	-0.18	0.297	**0.475**
	Bluetooth	1Mbps	Left Tilted	0	39	2441	13.30	15.00	1.479	77.05	1.081	-0.09	0.239	0.382

14.2 Hotspot SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_UAT	GPRS(4 Tx slots)	Front	10	Reduced	189	836.4	25.87	26.82	1.245	0.01	0.206	0.256
	GSM850_UAT	GPRS(4 Tx slots)	Back	10	Reduced	189	836.4	25.87	26.82	1.245	0.13	0.625	0.778
	GSM850_UAT	GPRS(4 Tx slots)	Left Side	10	Reduced	189	836.4	25.87	26.82	1.245	-0.05	0.712	0.886
	GSM850_UAT	GPRS(4 Tx slots)	Right Side	10	Reduced	189	836.4	25.87	26.82	1.245	0.11	0.003	0.004
	GSM850_UAT	GPRS(4 Tx slots)	Top Side	10	Reduced	189	836.4	25.87	26.82	1.245	-0.03	0.012	0.015
	GSM850_UAT	GPRS(4 Tx slots)	Left Side	10	Reduced	128	824.2	25.61	26.82	1.321	0.07	0.749	0.990
26	GSM850_UAT	GPRS(4 Tx slots)	Left Side	10	Reduced	251	848.8	25.64	26.82	1.312	0.04	0.757	**0.993**
	GSM850_LAT	GPRS(3 Tx slot)	Front	10	Full	128	824.2	28.71	29.41	1.175	0.06	0.144	0.169
	GSM850_LAT	GPRS(3 Tx slot)	Back	10	Full	128	824.2	28.71	29.41	1.175	-0.13	0.209	0.246
	GSM850_LAT	GPRS(3 Tx slot)	Left Side	10	Full	128	824.2	28.71	29.41	1.175	-0.08	0.088	0.103
	GSM850_LAT	GPRS(3 Tx slot)	Right Side	10	Full	128	824.2	28.71	29.41	1.175	0.04	0.130	0.153
	GSM850_LAT	GPRS(3 Tx slot)	Bottom Side	10	Full	128	824.2	28.71	29.41	1.175	0.03	0.136	0.160
	GSM1900_LAT	GPRS(4 Tx slots)	Front	10	Full	810	1909.8	24.30	25.48	1.312	0.04	0.346	0.454
	GSM1900_LAT	GPRS(4 Tx slots)	Back	10	Full	810	1909.8	24.30	25.48	1.312	0.04	0.440	0.577
	GSM1900_LAT	GPRS(4 Tx slots)	Left Side	10	Full	810	1909.8	24.30	25.48	1.312	-0.03	0.172	0.226
	GSM1900_LAT	GPRS(4 Tx slots)	Right Side	10	Full	810	1909.8	24.30	25.48	1.312	0.06	0.124	0.163
27	GSM1900_LAT	GPRS(4 Tx slots)	Bottom Side	10	Full	810	1909.8	24.30	25.48	1.312	-0.01	0.516	**0.677**

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V_UAT	RMC 12.2Kbps	Front	10	Reduced	4182	836.4	22.08	22.80	1.180	0.01	0.315	0.372
	WCDMA V_UAT	RMC 12.2Kbps	Back	10	Reduced	4182	836.4	22.08	22.80	1.180	0.1	0.739	0.872
	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10	Reduced	4182	836.4	22.08	22.80	1.180	-0.05	0.773	0.912
	WCDMA V_UAT	RMC 12.2Kbps	Right Side	10	Reduced	4182	836.4	22.08	22.80	1.180	0.17	0.006	0.007
	WCDMA V_UAT	RMC 12.2Kbps	Top Side	10	Reduced	4182	836.4	22.08	22.80	1.180	0.03	0.013	0.015
	WCDMA V_UAT	RMC 12.2Kbps	Back	10	Reduced	4132	826.4	22.03	22.80	1.194	-0.08	0.699	0.835
	WCDMA V_UAT	RMC 12.2Kbps	Back	10	Reduced	4233	846.6	22.05	22.80	1.189	0.11	0.736	0.875
	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10	Reduced	4132	826.4	22.03	22.80	1.194	0.02	0.722	0.862
28	WCDMA V_UAT	RMC 12.2Kbps	Left Side	10	Reduced	4233	846.6	22.05	22.80	1.189	0.05	0.784	**0.932**
	WCDMA V_LAT	RMC 12.2Kbps	Front	10	Full	4182	836.4	23.81	24.40	1.146	0.01	0.150	0.172
	WCDMA V_LAT	RMC 12.2Kbps	Back	10	Full	4182	836.4	23.81	24.40	1.146	-0.02	0.246	0.282
	WCDMA V_LAT	RMC 12.2Kbps	Left Side	10	Full	4182	836.4	23.81	24.40	1.146	0.07	0.112	0.128
	WCDMA V_LAT	RMC 12.2Kbps	Right Side	10	Full	4182	836.4	23.81	24.40	1.146	0.05	0.133	0.152
	WCDMA V_LAT	RMC 12.2Kbps	Bottom Side	10	Full	4182	836.4	23.81	24.40	1.146	0.11	0.213	0.244
	WCDMA IV_LAT	RMC 12.2Kbps	Front	10	Reduced	1413	1732.6	21.11	21.80	1.172	0.02	0.326	0.382
	WCDMA IV_LAT	RMC 12.2Kbps	Back	10	Reduced	1413	1732.6	21.11	21.80	1.172	0.05	0.445	0.522
	WCDMA IV_LAT	RMC 12.2Kbps	Left Side	10	Reduced	1413	1732.6	21.11	21.80	1.172	-0.14	0.171	0.200
	WCDMA IV_LAT	RMC 12.2Kbps	Right Side	10	Reduced	1413	1732.6	21.11	21.80	1.172	-0.01	0.079	0.093
29	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	10	Reduced	1413	1732.6	21.11	21.80	1.172	0.07	0.590	**0.692**
	WCDMA II_LAT	RMC 12.2Kbps	Front	10	Reduced	9538	1907.6	20.52	21.30	1.197	0.01	0.310	0.371
	WCDMA II_LAT	RMC 12.2Kbps	Back	10	Reduced	9538	1907.6	20.52	21.30	1.197	0.05	0.579	0.693
	WCDMA II_LAT	RMC 12.2Kbps	Left Side	10	Reduced	9538	1907.6	20.52	21.30	1.197	-0.1	0.223	0.267
	WCDMA II_LAT	RMC 12.2Kbps	Right Side	10	Reduced	9538	1907.6	20.52	21.30	1.197	0.12	0.131	0.157
30	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	10	Reduced	9538	1907.6	20.52	21.30	1.197	-0.17	0.660	**0.790**

<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Front	10	Reduced	777	848.31	21.47	22.30	1.211	-0.05	0.276	0.334
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Back	10	Reduced	777	848.31	21.47	22.30	1.211	0.07	0.659	0.798
31	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	10	Reduced	777	848.31	21.47	22.30	1.211	0.01	0.706	**0.855**
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Right Side	10	Reduced	777	848.31	21.47	22.30	1.211	0.01	0.016	0.019
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Top Side	10	Reduced	777	848.31	21.47	22.30	1.211	0.09	0.011	0.013
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	10	Reduced	1013	824.7	21.39	22.30	1.233	0.04	0.582	0.718
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	10	Reduced	384	836.52	21.42	22.30	1.225	0.06	0.670	0.820
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Front	10	Full	777	848.31	23.53	24.40	1.222	-0.1	0.141	0.172
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Back	10	Full	777	848.31	23.53	24.40	1.222	-0.09	0.186	0.227
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Left Side	10	Full	777	848.31	23.53	24.40	1.222	0.01	0.068	0.083
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Right Side	10	Full	777	848.31	23.53	24.40	1.222	-0.02	0.108	0.132
	CDMA2000 BC0_LAT	RTAP 153.6Kbps	Bottom Side	10	Full	777	848.31	23.53	24.40	1.222	-0.14	0.182	0.222
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Front	10	Reduced	1175	1908.75	20.09	21.30	1.321	0.05	0.295	0.390
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	10	Reduced	1175	1908.75	20.09	21.30	1.321	-0.05	0.552	0.729
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Left Side	10	Reduced	1175	1908.75	20.09	21.30	1.321	0.16	0.201	0.266
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Right Side	10	Reduced	1175	1908.75	20.09	21.30	1.321	0.06	0.141	0.186
32	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	10	Reduced	1175	1908.75	20.09	21.30	1.321	-0.19	0.695	**0.918**
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	10	Reduced	25	1851.25	19.96	21.30	1.361	0.11	0.650	0.885
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	10	Reduced	600	1880	20.06	21.30	1.330	0.01	0.680	0.905
	CDMA2000 BC10_UAT	RTAP 153.6Kbps	Front	10	Reduced	580	820.5	21.60	22.30	1.175	0.05	0.256	0.301
	CDMA2000 BC10_UAT	RTAP 153.6Kbps	Back	10	Reduced	580	820.5	21.60	22.30	1.175	0.1	0.527	0.619
33	CDMA2000 BC10_UAT	RTAP 153.6Kbps	Left Side	10	Reduced	580	820.5	21.60	22.30	1.175	-0.01	0.557	**0.654**
	CDMA2000 BC10_UAT	RTAP 153.6Kbps	Right Side	10	Reduced	580	820.5	21.60	22.30	1.175	0.06	0.019	0.022
	CDMA2000 BC10_UAT	RTAP 153.6Kbps	Top Side	10	Reduced	580	820.5	21.60	22.30	1.175	-0.03	0.013	0.015
	CDMA2000 BC10_LAT	RTAP 153.6Kbps	Front	10	Full	580	820.5	23.57	24.40	1.211	0.06	0.174	0.211
	CDMA2000 BC10_LAT	RTAP 153.6Kbps	Back	10	Full	580	820.5	23.57	24.40	1.211	0.1	0.211	0.255
	CDMA2000 BC10_LAT	RTAP 153.6Kbps	Left Side	10	Full	580	820.5	23.57	24.40	1.211	-0.07	0.108	0.131
	CDMA2000 BC10_LAT	RTAP 153.6Kbps	Right Side	10	Full	580	820.5	23.57	24.40	1.211	0.14	0.129	0.156
	CDMA2000 BC10_LAT	RTAP 153.6Kbps	Bottom Side	10	Full	580	820.5	23.57	24.40	1.211	0.03	0.164	0.199

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Front	10	Reduced	133322	683	23.27	23.80	1.130	0.05	0.308	0.348
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Back	10	Reduced	133322	683	23.27	23.80	1.130	0.1	0.594	0.671
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Left Side	10	Reduced	133322	683	23.27	23.80	1.130	-0.04	0.659	0.745
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Right Side	10	Reduced	133322	683	23.27	23.80	1.130	-0.07	0.065	0.073
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Top Side	10	Reduced	133322	683	23.27	23.80	1.130	0.11	0.023	0.026
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Front	10	Reduced	133322	683	23.21	23.80	1.146	0.01	0.363	0.416
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Back	10	Reduced	133322	683	23.21	23.80	1.146	-0.05	0.602	0.690
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Left Side	10	Reduced	133322	683	23.21	23.80	1.146	-0.07	0.727	0.833
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Right Side	10	Reduced	133322	683	23.21	23.80	1.146	0.1	0.066	0.076
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Top Side	10	Reduced	133322	683	23.21	23.80	1.146	0.16	0.026	0.030
34	LTE Band 71_UAT	20M	QPSK	100RB	0Offset	Left Side	10	Reduced	133322	683	23.16	23.80	1.159	0.01	0.720	**0.834**
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Front	10	Full	133322	683	23.64	24.40	1.191	-0.06	0.192	0.229
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Back	10	Full	133322	683	23.64	24.40	1.191	-0.19	0.307	0.366
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Left Side	10	Full	133322	683	23.64	24.40	1.191	0.03	0.194	0.231
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Right Side	10	Full	133322	683	23.64	24.40	1.191	0.01	0.206	0.245
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10	Full	133322	683	23.64	24.40	1.191	0.04	0.077	0.092
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Front	10	Full	133322	683	22.77	23.40	1.156	-0.07	0.154	0.178
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Back	10	Full	133322	683	22.77	23.40	1.156	0.06	0.208	0.240
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Left Side	10	Full	133322	683	22.77	23.40	1.156	0.08	0.160	0.185
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Right Side	10	Full	133322	683	22.77	23.40	1.156	0.02	0.196	0.227
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Bottom Side	10	Full	133322	683	22.77	23.40	1.156	-0.11	0.062	0.072
	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Front	10	Reduced	23095	707.5	22.69	23.30	1.151	0.02	0.294	0.338
	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Back	10	Reduced	23095	707.5	22.69	23.30	1.151	0.08	0.579	0.666
	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Left Side	10	Reduced	23095	707.5	22.69	23.30	1.151	0.1	0.620	0.713
	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Right Side	10	Reduced	23095	707.5	22.69	23.30	1.151	-0.17	0.057	0.065
	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Top Side	10	Reduced	23095	707.5	22.69	23.30	1.151	0.05	0.015	0.018
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Front	10	Reduced	23095	707.5	22.59	23.30	1.178	0.01	0.304	0.358
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Back	10	Reduced	23095	707.5	22.59	23.30	1.178	-0.03	0.600	0.707
35	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Left Side	10	Reduced	23095	707.5	22.59	23.30	1.178	0.07	0.644	**0.758**
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Right Side	10	Reduced	23095	707.5	22.59	23.30	1.178	0.1	0.047	0.055
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Top Side	10	Reduced	23095	707.5	22.59	23.30	1.178	0.15	0.013	0.015
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Front	10	Full	23095	707.5	23.83	24.40	1.140	-0.18	0.176	0.201
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Back	10	Full	23095	707.5	23.83	24.40	1.140	0.01	0.246	0.281
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Left Side	10	Full	23095	707.5	23.83	24.40	1.140	0.03	0.155	0.177
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Right Side	10	Full	23095	707.5	23.83	24.40	1.140	0.04	0.179	0.204
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Bottom Side	10	Full	23095	707.5	23.83	24.40	1.140	-0.11	0.104	0.119
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Front	10	Full	23095	707.5	22.91	23.40	1.119	0.06	0.145	0.162
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Back	10	Full	23095	707.5	22.91	23.40	1.119	0.02	0.203	0.227
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Left Side	10	Full	23095	707.5	22.91	23.40	1.119	-0.04	0.128	0.143
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Right Side	10	Full	23095	707.5	22.91	23.40	1.119	0.01	0.149	0.167
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Bottom Side	10	Full	23095	707.5	22.91	23.40	1.119	0.15	0.083	0.093

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Front	10	Reduced	23230	782	21.64	22.30	1.164	0.02	0.244	0.284
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Back	10	Reduced	23230	782	21.64	22.30	1.164	0.15	0.457	0.532
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Left Side	10	Reduced	23230	782	21.64	22.30	1.164	0.01	0.529	0.616
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Right Side	10	Reduced	23230	782	21.64	22.30	1.164	-0.01	0.030	0.035
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Top Side	10	Reduced	23230	782	21.64	22.30	1.164	0.18	0.019	0.022
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Front	10	Reduced	23230	782	21.52	22.30	1.197	0.08	0.252	0.302
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Back	10	Reduced	23230	782	21.52	22.30	1.197	-0.01	0.471	0.564
36	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Left Side	10	Reduced	23230	782	21.52	22.30	1.197	-0.04	0.613	**0.734**
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Right Side	10	Reduced	23230	782	21.52	22.30	1.197	-0.04	0.031	0.037
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Top Side	10	Reduced	23230	782	21.52	22.30	1.197	-0.09	0.015	0.018
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Front	10	Full	23230	782	23.50	24.40	1.230	-0.11	0.147	0.181
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Back	10	Full	23230	782	23.50	24.40	1.230	0.04	0.235	0.289
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Left Side	10	Full	23230	782	23.50	24.40	1.230	0.06	0.181	0.223
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Right Side	10	Full	23230	782	23.50	24.40	1.230	0.01	0.125	0.154
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Bottom Side	10	Full	23230	782	23.50	24.40	1.230	0.05	0.107	0.132
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Front	10	Full	23230	782	22.56	23.40	1.213	0.05	0.121	0.147
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Back	10	Full	23230	782	22.56	23.40	1.213	-0.08	0.152	0.184
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Left Side	10	Full	23230	782	22.56	23.40	1.213	0.04	0.147	0.178
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Right Side	10	Full	23230	782	22.56	23.40	1.213	0.06	0.102	0.124
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Bottom Side	10	Full	23230	782	22.56	23.40	1.213	-0.03	0.095	0.115
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Front	10	Reduced	20525	836.5	21.65	22.30	1.161	0.07	0.248	0.288
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Back	10	Reduced	20525	836.5	21.65	22.30	1.161	-0.03	0.594	0.690
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Side	10	Reduced	20525	836.5	21.65	22.30	1.161	0.04	0.587	0.682
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Right Side	10	Reduced	20525	836.5	21.65	22.30	1.161	0.08	0.020	0.023
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Top Side	10	Reduced	20525	836.5	21.65	22.30	1.161	0.06	0.012	0.014
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Front	10	Reduced	20525	836.5	21.49	22.30	1.205	0.02	0.260	0.313
37	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Back	10	Reduced	20525	836.5	21.49	22.30	1.205	0.09	0.614	**0.740**
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Left Side	10	Reduced	20525	836.5	21.49	22.30	1.205	-0.06	0.594	0.716
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Right Side	10	Reduced	20525	836.5	21.49	22.30	1.205	0.14	0.027	0.033
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Top Side	10	Reduced	20525	836.5	21.49	22.30	1.205	-0.05	0.013	0.016
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Front	10	Full	20525	836.5	23.56	24.40	1.213	-0.06	0.140	0.170
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Back	10	Full	20525	836.5	23.56	24.40	1.213	0.01	0.229	0.278
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Left Side	10	Full	20525	836.5	23.56	24.40	1.213	0.09	0.078	0.095
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Right Side	10	Full	20525	836.5	23.56	24.40	1.213	0.03	0.104	0.126
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Bottom Side	10	Full	20525	836.5	23.56	24.40	1.213	-0.07	0.171	0.207
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Front	10	Full	20525	836.5	22.57	23.40	1.211	0.01	0.113	0.137
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Back	10	Full	20525	836.5	22.57	23.40	1.211	-0.08	0.157	0.190
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Left Side	10	Full	20525	836.5	22.57	23.40	1.211	0.01	0.063	0.076
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Right Side	10	Full	20525	836.5	22.57	23.40	1.211	0.06	0.085	0.103
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Bottom Side	10	Full	20525	836.5	22.57	23.40	1.211	0.11	0.143	0.173

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Front	10	Reduced	26965	841.5	22.20	22.80	1.148	0.06	0.324	0.372
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	10	Reduced	26965	841.5	22.20	22.80	1.148	0.13	0.716	0.822
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Side	10	Reduced	26965	841.5	22.20	22.80	1.148	0.17	0.773	0.888
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Side	10	Reduced	26965	841.5	22.20	22.80	1.148	-0.04	0.026	0.030
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Top Side	10	Reduced	26965	841.5	22.20	22.80	1.148	0.05	0.018	0.021
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	10	Reduced	26765	821.5	22.11	22.80	1.172	0.11	0.617	0.723
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	10	Reduced	26865	831.5	22.08	22.80	1.180	0.01	0.582	0.687
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Side	10	Reduced	26765	821.5	22.11	22.80	1.172	-0.07	0.745	0.873
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Side	10	Reduced	26865	831.5	22.08	22.80	1.180	0.15	0.779	0.919
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Front	10	Reduced	26965	841.5	22.19	22.80	1.151	0.02	0.331	0.381
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Back	10	Reduced	26965	841.5	22.19	22.80	1.151	0.11	0.687	0.791
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Left Side	10	Reduced	26965	841.5	22.19	22.80	1.151	0.09	0.789	0.908
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Right Side	10	Reduced	26965	841.5	22.19	22.80	1.151	-0.17	0.027	0.031
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Top Side	10	Reduced	26965	841.5	22.19	22.80	1.151	0.03	0.018	0.021
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Left Side	10	Reduced	26765	821.5	22.17	22.80	1.156	0.13	0.773	0.894
38	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Left Side	10	Reduced	26865	831.5	22.02	22.80	1.197	0.05	0.815	**0.975**
	LTE Band 26_UAT	15M	QPSK	75RB	0Offset	Back	10	Reduced	26965	841.5	22.17	22.80	1.156	0.03	0.614	0.710
	LTE Band 26_UAT	15M	QPSK	75RB	0Offset	Left Side	10	Reduced	26965	841.5	22.17	22.80	1.156	0.01	0.726	0.839
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Front	10	Full	26965	841.5	22.74	23.40	1.164	0.04	0.107	0.125
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Back	10	Full	26965	841.5	22.74	23.40	1.164	-0.07	0.171	0.199
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Side	10	Full	26965	841.5	22.74	23.40	1.164	0.03	0.046	0.054
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Right Side	10	Full	26965	841.5	22.74	23.40	1.164	0.01	0.075	0.087
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Bottom Side	10	Full	26965	841.5	22.74	23.40	1.164	0.06	0.126	0.147
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Front	10	Full	26965	841.5	21.82	22.40	1.143	0.08	0.090	0.103
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Back	10	Full	26965	841.5	21.82	22.40	1.143	0.02	0.136	0.155
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Left Side	10	Full	26965	841.5	21.82	22.40	1.143	-0.09	0.037	0.042
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Right Side	10	Full	26965	841.5	21.82	22.40	1.143	0.04	0.065	0.074
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Bottom Side	10	Full	26965	841.5	21.82	22.40	1.143	0.01	0.104	0.119
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Front	10	Full for EN-DC	26965	841.5	19.79	20.80	1.262	0.01	0.280	0.353
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	10	Full for EN-DC	26965	841.5	19.79	20.80	1.262	-0.07	0.540	0.681
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Left Side	10	Full for EN-DC	26965	841.5	19.79	20.80	1.262	0.03	0.550	0.694
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Right Side	10	Full for EN-DC	26965	841.5	19.79	20.80	1.262	0.01	0.017	0.021
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Top Side	10	Full for EN-DC	26965	841.5	19.79	20.80	1.262	-0.02	0.013	0.016
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Front	10	Full for EN-DC	26965	841.5	18.78	19.80	1.265	0.03	0.227	0.287
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Back	10	Full for EN-DC	26965	841.5	18.78	19.80	1.265	0.08	0.421	0.532
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Left Side	10	Full for EN-DC	26965	841.5	18.78	19.80	1.265	-0.06	0.430	0.544
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Right Side	10	Full for EN-DC	26965	841.5	18.78	19.80	1.265	0.15	0.013	0.017
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Top Side	10	Full for EN-DC	26965	841.5	18.78	19.80	1.265	0.11	0.010	0.013
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Front	10	Full for EN-DC	26965	841.5	19.24	20.80	1.432	0.09	0.090	0.129
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Back	10	Full for EN-DC	26965	841.5	19.24	20.80	1.432	-0.11	0.141	0.202
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Left Side	10	Full for EN-DC	26965	841.5	19.24	20.80	1.432	-0.06	0.051	0.073
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Right Side	10	Full for EN-DC	26965	841.5	19.24	20.80	1.432	-0.03	0.076	0.109
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Bottom Side	10	Full for EN-DC	26965	841.5	19.24	20.80	1.432	-0.03	0.095	0.136
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Front	10	Full for EN-DC	26965	841.5	18.36	19.80	1.393	-0.08	0.074	0.103
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Back	10	Full for EN-DC	26965	841.5	18.36	19.80	1.393	0.05	0.115	0.160
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Left Side	10	Full for EN-DC	26965	841.5	18.36	19.80	1.393	-0.06	0.042	0.059
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Right Side	10	Full for EN-DC	26965	841.5	18.36	19.80	1.393	0.04	0.061	0.085
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Bottom Side	10	Full for EN-DC	26965	841.5	18.36	19.80	1.393	0.13	0.079	0.110

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Front	10	Reduced	132322	1745	20.66	21.30	1.159	0.02	0.282	0.327
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Back	10	Reduced	132322	1745	20.66	21.30	1.159	0.13	0.365	0.423
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Left Side	10	Reduced	132322	1745	20.66	21.30	1.159	-0.11	0.144	0.167
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Right Side	10	Reduced	132322	1745	20.66	21.30	1.159	0.05	0.096	0.111
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10	Reduced	132322	1745	20.66	21.30	1.159	0.18	0.441	0.511
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Front	10	Reduced	132322	1745	20.62	21.30	1.169	0.06	0.288	0.337
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Back	10	Reduced	132322	1745	20.62	21.30	1.169	0.14	0.384	0.449
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Left Side	10	Reduced	132322	1745	20.62	21.30	1.169	0.03	0.165	0.193
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Right Side	10	Reduced	132322	1745	20.62	21.30	1.169	0.11	0.117	0.137
39	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	132322	1745	20.62	21.30	1.169	-0.03	0.458	**0.536**
	LTE Band 4_LAT	20M	QPSK	1RB	0Offset	Front	10	Reduced	20175	1732.5	21.59	22.30	1.178	-0.19	0.352	0.415
	LTE Band 4_LAT	20M	QPSK	1RB	0Offset	Back	10	Reduced	20175	1732.5	21.59	22.30	1.178	-0.12	0.405	0.477
	LTE Band 4_LAT	20M	QPSK	1RB	0Offset	Left Side	10	Reduced	20175	1732.5	21.59	22.30	1.178	0.05	0.168	0.198
	LTE Band 4_LAT	20M	QPSK	1RB	0Offset	Right Side	10	Reduced	20175	1732.5	21.59	22.30	1.178	-0.1	0.121	0.142
	LTE Band 4_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10	Reduced	20175	1732.5	21.59	22.30	1.178	-0.13	0.574	0.676
	LTE Band 4_LAT	20M	QPSK	50RB	0Offset	Front	10	Reduced	20175	1732.5	21.54	22.30	1.191	-0.03	0.344	0.410
	LTE Band 4_LAT	20M	QPSK	50RB	0Offset	Back	10	Reduced	20175	1732.5	21.54	22.30	1.191	-0.16	0.421	0.502
	LTE Band 4_LAT	20M	QPSK	50RB	0Offset	Left Side	10	Reduced	20175	1732.5	21.54	22.30	1.191	0.11	0.170	0.203
	LTE Band 4_LAT	20M	QPSK	50RB	0Offset	Right Side	10	Reduced	20175	1732.5	21.54	22.30	1.191	-0.13	0.123	0.147
40	LTE Band 4_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	20175	1732.5	21.54	22.30	1.191	-0.02	0.581	**0.692**
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Front	10	Reduced	26590	1905	20.59	21.30	1.178	-0.18	0.305	0.359
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Back	10	Reduced	26590	1905	20.59	21.30	1.178	-0.18	0.527	0.621
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Left Side	10	Reduced	26590	1905	20.59	21.30	1.178	0.02	0.217	0.256
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Right Side	10	Reduced	26590	1905	20.59	21.30	1.178	-0.14	0.109	0.128
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	10	Reduced	26590	1905	20.59	21.30	1.178	0.16	0.656	0.773
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Front	10	Reduced	26590	1905	20.57	21.30	1.183	0.03	0.319	0.377
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Back	10	Reduced	26590	1905	20.57	21.30	1.183	-0.05	0.547	0.647
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Left Side	10	Reduced	26590	1905	20.57	21.30	1.183	-0.12	0.231	0.273
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Right Side	10	Reduced	26590	1905	20.57	21.30	1.183	0.14	0.135	0.160
41	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	26590	1905	20.57	21.30	1.183	-0.03	0.669	**0.791**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Front	10	Reduced	27710	2310	20.27	21.30	1.268	0.02	0.343	0.435
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Back	10	Reduced	27710	2310	20.27	21.30	1.268	0.01	0.427	0.541
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Left Side	10	Reduced	27710	2310	20.27	21.30	1.268	0.05	0.066	0.084
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Right Side	10	Reduced	27710	2310	20.27	21.30	1.268	0.01	0.071	0.090
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Bottom Side	10	Reduced	27710	2310	20.27	21.30	1.268	-0.01	0.593	0.752
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Front	10	Reduced	27710	2310	20.06	21.30	1.330	-0.07	0.355	0.472
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Back	10	Reduced	27710	2310	20.06	21.30	1.330	0.03	0.469	0.624
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Left Side	10	Reduced	27710	2310	20.06	21.30	1.330	0.01	0.075	0.100
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Right Side	10	Reduced	27710	2310	20.06	21.30	1.330	0.06	0.086	0.114
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Bottom Side	10	Reduced	27710	2310	20.06	21.30	1.330	-0.02	0.617	0.821
42	LTE Band 30_LAT	10M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	27710	2310	20.02	21.30	1.343	-0.03	0.617	**0.828**
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Front	10	Reduced	21350	2560	21.51	22.30	1.199	0.03	0.322	0.386
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Back	10	Reduced	21350	2560	21.51	22.30	1.199	0.04	0.463	0.555
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Left Side	10	Reduced	21350	2560	21.51	22.30	1.199	-0.01	0.090	0.108
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Right Side	10	Reduced	21350	2560	21.51	22.30	1.199	0.07	0.071	0.085
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	Reduced	21350	2560	21.51	22.30	1.199	0.03	0.632	0.758
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Front	10	Reduced	21350	2560	21.48	22.30	1.208	0.01	0.336	0.406
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Back	10	Reduced	21350	2560	21.48	22.30	1.208	-0.06	0.509	0.615
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Left Side	10	Reduced	21350	2560	21.48	22.30	1.208	0.05	0.102	0.123
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Right Side	10	Reduced	21350	2560	21.48	22.30	1.208	0.03	0.086	0.104
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	21350	2560	21.48	22.30	1.208	0.05	0.673	0.813
43	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	20850	2510	21.25	22.30	1.274	0.03	0.728	**0.927**
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	21100	2535	21.36	22.30	1.242	-0.07	0.715	0.888
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	21350(PCC)+ 21152(SCC)	2560(PCC)+ 2540.2(SCC)	21.27	22.30	1.268	-0.01	0.723	0.917
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	20850(PCC)+ 21048(PCC)	2510(PCC)+ 2529.8(PCC)	21.01	22.30	1.346	-0.04	0.685	0.922
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	10	Reduced	21100(PCC)+ 20902(PCC)	2535(PCC)+ 2515.2(PCC)	21.17	22.30	1.297	0.02	0.708	0.918
	LTE Band 7_LAT	20M	QPSK	100RB	0Offset	Bottom Side	10	Reduced	21350	2560	21.45	22.30	1.216	0.03	0.657	0.799

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Class	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Front	10	3	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	0.06	0.232	0.277
	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Back	10	3	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	-0.08	0.333	0.398
	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Left Side	10	3	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	0.01	0.061	0.073
	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Right Side	10	3	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	-0.06	0.038	0.045
44	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	0.15	0.456	**0.545**
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Front	10	3	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	0.09	0.180	0.209
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Back	10	3	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	0.01	0.301	0.349
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Left Side	10	3	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	0.06	0.056	0.065
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Right Side	10	3	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	0.06	0.021	0.024
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Bottom Side	10	3	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	0.03	0.465	0.540
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Front	10	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	-0.06	0.208	0.246
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	10	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	0.07	0.363	0.430
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Left Side	10	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	0.04	0.060	0.071
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Right Side	10	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	0.05	0.033	0.039
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	0.05	0.512	0.607
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	39750	2506	22.86	23.80	1.242	62.9	1.006	-0.07	0.491	0.613
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	40185	2549.5	22.94	23.80	1.219	62.9	1.006	0.06	0.542	0.665
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	41055	2636.5	22.94	23.80	1.219	62.9	1.006	0.01	0.585	0.717
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	2	Full	41055	2636.5	24.67	25.80	1.297	42.9	1.009	0.07	0.476	0.623
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	2	Full	40620	2593	24.82	25.80	1.253	42.9	1.009	0.04	0.550	0.695
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	2	Full	39750	2506	24.42	25.80	1.374	42.9	1.009	-0.02	0.478	0.663
45	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	2	Full	40185	2549.5	24.63	25.80	1.309	42.9	1.009	0.07	0.590	**0.779**
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	2	Full	41490	2680	24.71	25.80	1.285	42.9	1.009	0.05	0.446	0.578
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	41490	2680	22.87	23.80	1.239	62.9	1.006	0.03	0.522	0.651
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	40620(PCC)+ 40422(SCC)	2593(PCC)+ 2573.2(SCC)	22.52	23.80	1.343	62.9	1.006	-0.02	0.461	0.623
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	39750(PCC)+ 39948(SCC)	2506(PCC)+ 2525.8(SCC)	22.41	23.80	1.377	62.9	1.006	0.01	0.506	0.701
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	40185(PCC)+ 40383(SCC)	2549.5(PCC)+ 2569.3(SCC)	22.28	23.80	1.419	62.9	1.006	0.02	0.497	0.710
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	41055(PCC)+ 40857(SCC)	2636.5(PCC)+ 2616.7(SCC)	22.26	23.80	1.426	62.9	1.006	0.14	0.344	0.493
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Bottom Side	10	3	Full	41490(PCC)+ 41292(SCC)	2680(PCC)+ 2660.2(SCC)	22.17	23.80	1.455	62.9	1.006	0.02	0.475	0.695
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Front	10	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	-0.05	0.164	0.189
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Back	10	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	0.01	0.270	0.312
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Left Side	10	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	0.06	0.047	0.054
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Right Side	10	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	0.03	0.026	0.030
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Bottom Side	10	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	-0.03	0.434	0.501
	LTE Band 41_LAT	20M	QPSK	100RB	0Offset	Bottom Side	10	3	Full	40620	2593	22.18	22.80	1.153	62.9	1.006	-0.03	0.424	0.492

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	N41	100M	QPSK	1RB	1Offset	Front	10	Full	518598	2592.99	21.30	22.30	1.259	0.05	0.332	0.418
	N41	100M	QPSK	1RB	1Offset	Back	10	Full	518598	2592.99	21.30	22.30	1.259	0.08	0.473	0.595
46	N41	100M	QPSK	1RB	1Offset	Left Side	10	Full	518598	2592.99	21.30	22.30	1.259	0.07	0.481	**0.606**
	N41	100M	QPSK	1RB	1Offset	Right Side	10	Full	518598	2592.99	21.30	22.30	1.259	0.04	0.061	0.077
	N41	100M	QPSK	1RB	1Offset	Top Side	10	Full	518598	2592.99	21.30	22.30	1.259	0.06	0.366	0.461
	N41	100M	QPSK	1RB	1Offset	Left Side	10	Full	509202	2546.01	21.14	22.30	1.306	-0.02	0.434	0.567
	N41	100M	QPSK	1RB	1Offset	Left Side	10	Full	513900	2569.5	21.18	22.30	1.294	0.03	0.443	0.573
	N41	100M	QPSK	1RB	1Offset	Left Side	10	Full	523299	2616.495	20.97	22.30	1.358	-0.09	0.384	0.522
	N41	100M	QPSK	1RB	1Offset	Left Side	10	Full	528000	2640	21.22	22.30	1.282	-0.1	0.471	0.604
	N41	100M	QPSK	137RB	68Offset	Front	10	Full	518598	2592.99	20.82	22.30	1.406	0.03	0.286	0.402
	N41	100M	QPSK	137RB	68Offset	Back	10	Full	518598	2592.99	20.82	22.30	1.406	-0.06	0.380	0.534
	N41	100M	QPSK	137RB	68Offset	Left Side	10	Full	518598	2592.99	20.82	22.30	1.406	0.1	0.415	0.584
	N41	100M	QPSK	137RB	68Offset	Right Side	10	Full	518598	2592.99	20.82	22.30	1.406	0.02	0.049	0.069
	N41	100M	QPSK	137RB	68Offset	Top Side	10	Full	518598	2592.99	20.82	22.30	1.406	0.15	0.331	0.465
	N41	100M	QPSK	273RB	0Offset	Left Side	10	Full	518598	2592.99	20.72	22.30	1.439	0.03	0.400	0.576

<WLAN 2.4GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	10	Ant 1+2	Full	1	2412	22.61	23.50	1.227	99.43	1.006	0.04	0.277	0.342
47	WLAN2.4GHz	802.11b 1Mbps	Back	10	Ant 1+2	Full	1	2412	22.61	23.50	1.227	99.43	1.006	0.03	0.449	**0.554**
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10	Ant 1+2	Full	1	2412	22.61	23.50	1.227	99.43	1.006	0.04	0.031	0.038
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10	Ant 1+2	Full	1	2412	22.61	23.50	1.227	99.43	1.006	-0.01	0.287	0.354
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10	Ant 1+2	Full	1	2412	22.61	23.50	1.227	99.43	1.006	0.01	0.238	0.294

<WLAN 5GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	10	Ant 1+2	Reduced	46	5230	19.25	19.50	1.059	95.89	1.043	-0.06	0.021	0.023
48	WLAN5.2GHz	802.11n-HT40 MCS0	Back	10	Ant 1+2	Reduced	46	5230	19.25	19.50	1.059	95.89	1.043	0.02	0.680	**0.751**
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	10	Ant 1+2	Reduced	46	5230	19.25	19.50	1.059	95.89	1.043	0.1	0.008	0.009
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	10	Ant 1+2	Reduced	46	5230	19.25	19.50	1.059	95.89	1.043	0.05	0.180	0.199
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	10	Ant 1+2	Reduced	46	5230	19.25	19.50	1.059	95.89	1.043	-0.03	0.015	0.017
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	10	Ant 1+2	Reduced	159	5795	17.97	18.50	1.130	95.89	1.043	0.05	0.021	0.024
49	WLAN5.8GHz	802.11n-HT40 MCS0	Back	10	Ant 1+2	Reduced	159	5795	17.97	18.50	1.130	95.89	1.043	-0.1	0.642	**0.757**
	WLAN5.8GHz	802.11n-HT40 MCS0	Left Side	10	Ant 1+2	Reduced	159	5795	17.97	18.50	1.130	95.89	1.043	0.03	0.020	0.024
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Side	10	Ant 1+2	Reduced	159	5795	17.97	18.50	1.130	95.89	1.043	-0.01	0.238	0.280
	WLAN5.8GHz	802.11n-HT40 MCS0	Top Side	10	Ant 1+2	Reduced	159	5795	17.97	18.50	1.130	95.89	1.043	0.16	0.120	0.141

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	10	39	2441	13.30	15.00	1.479	77.05	1.081	-0.01	0.046	0.073
50	Bluetooth	1Mbps	Back	10	39	2441	13.30	15.00	1.479	77.05	1.081	0.08	0.082	**0.131**
	Bluetooth	1Mbps	Left Side	10	39	2441	13.30	15.00	1.479	77.05	1.081	0.01	0.002	0.003
	Bluetooth	1Mbps	Right Side	10	39	2441	13.30	15.00	1.479	77.05	1.081	0.05	0.054	0.086
	Bluetooth	1Mbps	Top Side	10	39	2441	13.30	15.00	1.479	77.05	1.081	-0.03	0.039	0.063

14.3 Body Worn Accessory SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_UAT	GPRS(3 Tx slots)	Front	15	Full	128	824.2	28.89	29.81	1.236	0.06	0.240	0.297
51	GSM850_UAT	GPRS(3 Tx slots)	Back	15	Full	128	824.2	28.89	29.81	1.236	0.09	0.578	**0.714**
	GSM850_LAT	GPRS(3 Tx slots)	Front	15	Full	128	824.2	28.71	29.41	1.175	-0.03	0.147	0.173
	GSM850_LAT	GPRS(3 Tx slots)	Back	15	Full	128	824.2	28.71	29.41	1.175	0.02	0.198	0.233
	GSM1900_LAT	GPRS(4 Tx slots)	Front	15	Full	810	1909.8	24.30	25.48	1.312	0.05	0.150	0.197
52	GSM1900_LAT	GPRS(4 Tx slots)	Back	15	Full	810	1909.8	24.30	25.48	1.312	-0.08	0.217	**0.285**

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V_UAT	RMC 12.2Kbps	Front	15	Full	4182	836.4	24.16	24.80	1.159	0.09	0.285	0.330
53	WCDMA V_UAT	RMC 12.2Kbps	Back	15	Full	4182	836.4	24.16	24.80	1.159	0.01	0.658	**0.762**
	WCDMA V_LAT	RMC 12.2Kbps	Front	15	Full	4182	836.4	23.81	24.40	1.146	-0.05	0.123	0.141
	WCDMA V_LAT	RMC 12.2Kbps	Back	15	Full	4182	836.4	23.81	24.40	1.146	0.01	0.209	0.239
	WCDMA IV_LAT	RMC 12.2Kbps	Front	15	Full	1413	1732.6	23.86	24.80	1.242	0.01	0.370	0.459
54	WCDMA IV_LAT	RMC 12.2Kbps	Back	15	Full	1413	1732.6	23.86	24.80	1.242	-0.08	0.386	**0.479**
	WCDMA II_LAT	RMC 12.2Kbps	Front	15	Full	9538	1907.6	23.87	24.80	1.239	0.03	0.366	0.453
55	WCDMA II_LAT	RMC 12.2Kbps	Back	15	Full	9538	1907.6	23.87	24.80	1.239	-0.08	0.505	**0.626**

<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA2000 BC0_UAT	RC3 SO32 (F+SCH)	Front	15	Full	777	848.31	24.00	24.80	1.202	0.03	0.312	0.375
56	CDMA2000 BC0_UAT	RC3 SO32 (F+SCH)	Back	15	Full	777	848.31	24.00	24.80	1.202	0.05	0.658	**0.791**
	CDMA2000 BC0_LAT	RC3 SO32 (F+SCH)	Front	15	Full	777	848.31	23.55	24.40	1.216	-0.05	0.132	0.161
	CDMA2000 BC0_LAT	RC3 SO32 (F+SCH)	Back	15	Full	777	848.31	23.55	24.40	1.216	-0.17	0.215	0.261
	CDMA2000 BC1_LAT	RC3 SO32 (F+SCH)	Front	15	Full	1175	1908.75	23.85	24.80	1.245	0.03	0.311	0.387
57	CDMA2000 BC1_LAT	RC3 SO32 (F+SCH)	Back	15	Full	1175	1908.75	23.85	24.80	1.245	-0.1	0.436	**0.543**
	CDMA2000 BC10_UAT	RC3 SO32 (F+SCH)	Front	15	Full	580	820.5	24.07	24.80	1.183	0.03	0.257	0.304
58	CDMA2000 BC10_UAT	RC3 SO32 (F+SCH)	Back	15	Full	580	820.5	24.07	24.80	1.183	0.19	0.596	**0.705**
	CDMA2000 BC10_LAT	RC3 SO32 (F+SCH)	Front	15	Full	580	820.5	23.58	24.40	1.208	0.02	0.135	0.163
	CDMA2000 BC10_LAT	RC3 SO32 (F+SCH)	Back	15	Full	580	820.5	23.58	24.40	1.208	-0.01	0.211	0.255

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Front	15	Full	133322	683	24.15	24.80	1.161	-0.03	0.224	0.260
59	LTE Band 71_UAT	20M	QPSK	1RB	0Offset	Back	15	Full	133322	683	24.15	24.80	1.161	0.09	0.362	**0.420**
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Front	15	Full	133322	683	23.29	23.80	1.125	0.05	0.202	0.227
	LTE Band 71_UAT	20M	QPSK	50RB	24Offset	Back	15	Full	133322	683	23.29	23.80	1.125	0.04	0.337	0.379
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Front	15	Full	133322	683	23.64	24.40	1.191	0.07	0.209	0.249
	LTE Band 71_LAT	20M	QPSK	1RB	0Offset	Back	15	Full	133322	683	23.64	24.40	1.191	-0.16	0.234	0.279
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Front	15	Full	133322	683	22.77	23.40	1.156	0.05	0.165	0.191
	LTE Band 71_LAT	20M	QPSK	50RB	24Offset	Back	15	Full	133322	683	22.77	23.40	1.156	-0.06	0.190	0.220
	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Front	15	Full	23095	707.5	24.09	24.80	1.178	0.06	0.236	0.278
60	LTE Band 12_UAT	10M	QPSK	1RB	25Offset	Back	15	Full	23095	707.5	24.09	24.80	1.178	0.01	0.442	**0.521**
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Front	15	Full	23095	707.5	23.15	23.80	1.161	0.03	0.195	0.226
	LTE Band 12_UAT	10M	QPSK	25RB	12Offset	Back	15	Full	23095	707.5	23.15	23.80	1.161	0.05	0.316	0.367
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Front	15	Full	23095	707.5	23.83	24.40	1.140	0.09	0.185	0.211
	LTE Band 12_LAT	10M	QPSK	1RB	25Offset	Back	15	Full	23095	707.5	23.83	24.40	1.140	0.02	0.208	0.237
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Front	15	Full	23095	707.5	22.91	23.40	1.119	-0.07	0.154	0.172
	LTE Band 12_LAT	10M	QPSK	25RB	12Offset	Back	15	Full	23095	707.5	22.91	23.40	1.119	0.02	0.180	0.201
	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Front	15	Full	23230	782	23.92	24.80	1.225	0.03	0.251	0.307
61	LTE Band 13_UAT	10M	QPSK	1RB	25Offset	Back	15	Full	23230	782	23.92	24.80	1.225	0.01	0.572	**0.700**
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Front	15	Full	23230	782	22.99	23.80	1.205	-0.01	0.170	0.205
	LTE Band 13_UAT	10M	QPSK	25RB	12Offset	Back	15	Full	23230	782	22.99	23.80	1.205	0.06	0.391	0.471
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Front	15	Full	23230	782	23.50	24.40	1.230	0.05	0.151	0.186
	LTE Band 13_LAT	10M	QPSK	1RB	25Offset	Back	15	Full	23230	782	23.50	24.40	1.230	0.01	0.233	0.287
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Front	15	Full	23230	782	22.56	23.40	1.213	-0.01	0.125	0.152
	LTE Band 13_LAT	10M	QPSK	25RB	12Offset	Back	15	Full	23230	782	22.56	23.40	1.213	0.04	0.144	0.175
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Front	15	Full	20525	836.5	24.07	24.80	1.183	-0.06	0.253	0.299
62	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Back	15	Full	20525	836.5	24.07	24.80	1.183	0.13	0.595	**0.704**
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Front	15	Full	20525	836.5	23.12	23.80	1.169	0.11	0.205	0.240
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Back	15	Full	20525	836.5	23.12	23.80	1.169	0.06	0.411	0.481
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Front	15	Full	20525	836.5	23.56	24.40	1.213	0.03	0.123	0.149
	LTE Band 5_LAT	10M	QPSK	1RB	0Offset	Back	15	Full	20525	836.5	23.56	24.40	1.213	0.06	0.201	0.244
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Front	15	Full	20525	836.5	22.57	23.40	1.211	0.01	0.100	0.121
	LTE Band 5_LAT	10M	QPSK	25RB	0Offset	Back	15	Full	20525	836.5	22.57	23.40	1.211	-0.02	0.113	0.137
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Front	15	Full	26965	841.5	23.03	23.80	1.194	0.07	0.186	0.222
63	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	15	Full	26965	841.5	23.03	23.80	1.194	0.02	0.384	**0.458**
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Front	15	Full	26965	841.5	22.12	22.80	1.169	0.02	0.157	0.184
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Back	15	Full	26965	841.5	22.12	22.80	1.169	0.05	0.264	0.309
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Front	15	Full	26965	841.5	22.74	23.40	1.164	0.04	0.102	0.119
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Back	15	Full	26965	841.5	22.74	23.40	1.164	0.06	0.121	0.141
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Front	15	Full	26965	841.5	21.82	22.40	1.143	0.01	0.081	0.093
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Back	15	Full	26965	841.5	21.82	22.40	1.143	-0.09	0.098	0.112
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Front	15	Full for EN-DC	26965	841.5	19.79	20.80	1.262	0.05	0.137	0.173
	LTE Band 26_UAT	15M	QPSK	1RB	0Offset	Back	15	Full for EN-DC	26965	841.5	19.79	20.80	1.262	-0.03	0.293	0.370
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Front	15	Full for EN-DC	26965	841.5	18.78	19.80	1.265	-0.02	0.116	0.147
	LTE Band 26_UAT	15M	QPSK	36RB	0Offset	Back	15	Full for EN-DC	26965	841.5	18.78	19.80	1.265	0.04	0.217	0.274
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Front	15	Full for EN-DC	26965	841.5	19.24	20.80	1.432	0.01	0.056	0.080
	LTE Band 26_LAT	15M	QPSK	1RB	0Offset	Back	15	Full for EN-DC	26965	841.5	19.24	20.80	1.432	0.02	0.084	0.120
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Front	15	Full for EN-DC	26965	841.5	18.36	19.80	1.393	-0.05	0.060	0.084
	LTE Band 26_LAT	15M	QPSK	36RB	0Offset	Back	15	Full for EN-DC	26965	841.5	18.36	19.80	1.393	-0.03	0.072	0.100

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Front	15	Full	132322	1745	24.05	24.80	1.189	0.03	0.377	0.448
64	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Back	15	Full	132322	1745	24.05	24.80	1.189	-0.08	0.393	**0.467**
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Front	15	Full	132322	1745	23.11	23.80	1.172	-0.03	0.305	0.358
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Back	15	Full	132322	1745	23.11	23.80	1.172	0.01	0.347	0.407
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Front	15	Full	26590	1905	23.89	24.80	1.233	0.01	0.343	0.423
65	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Back	15	Full	26590	1905	23.89	24.80	1.233	0.1	0.471	**0.581**
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Front	15	Full	26590	1905	22.96	23.80	1.213	-0.05	0.275	0.334
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Back	15	Full	26590	1905	22.96	23.80	1.213	0.03	0.404	0.490
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Front	15	Full	27710	2310	23.44	24.80	1.368	0.01	0.361	0.494
66	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Back	15	Full	27710	2310	23.44	24.80	1.368	-0.09	0.377	**0.516**
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Front	15	Full	27710	2310	22.48	23.80	1.355	0.02	0.272	0.369
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Back	15	Full	27710	2310	22.48	23.80	1.355	-0.03	0.296	0.401
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Front	15	Full	21350	2560	24.05	24.80	1.189	0.03	0.281	0.334
67	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Back	15	Full	21350	2560	24.05	24.80	1.189	-0.08	0.322	**0.383**
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Back	15	Full	21350(PCC) + 21152(SCC)	2560(PCC) + 2540.2(SCC)	23.51	24.80	1.346	0.06	0.263	0.354
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Front	15	Full	21350	2560	23.19	23.80	1.151	-0.03	0.220	0.253
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Back	15	Full	21350	2560	23.19	23.80	1.151	0.01	0.250	0.288

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Front	15	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	0.07	0.129	0.154
68	LTE Band 38_LAT	20M	QPSK	1RB	49Offset	Back	15	Full	38000	2595	24.05	24.80	1.189	62.9	1.006	0.02	0.172	**0.206**
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Front	15	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	0.03	0.102	0.118
	LTE Band 38_LAT	20M	QPSK	50RB	50Offset	Back	15	Full	38000	2595	23.18	23.80	1.153	62.9	1.006	-0.11	0.123	0.143

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Class	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Front	15	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	-0.03	0.117	0.139
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15	3	Full	40620	2593	23.09	23.80	1.178	62.9	1.006	0.03	0.156	0.185
69	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15	2	Full	40620	2593	24.82	25.80	1.253	42.9	1.009	0.02	0.165	**0.209**
	LTE Band 41_LAT	20M	QPSK	1RB	49Offset	Back	15	3	Full	40620(PCC) + 40422(SCC)	2593(PCC) + 2573.2(SCC)	22.52	23.80	1.343	62.9	1.006	-0.06	0.133	0.180
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Front	15	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	0.07	0.091	0.105
	LTE Band 41_LAT	20M	QPSK	50RB	50Offset	Back	15	3	Full	40620	2593	22.20	22.80	1.148	62.9	1.006	0.06	0.112	0.129

<5GNR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	N41	100M	QPSK	1RB	1Offset	Front	15	Full	518598	2592.99	21.30	22.30	1.259	0.07	0.158	0.199
70	N41	100M	QPSK	1RB	1Offset	Back	15	Full	518598	2592.99	21.30	22.30	1.259	-0.03	0.203	**0.256**
	N41	100M	QPSK	137RB	68Offset	Front	15	Full	518598	2592.99	20.82	22.30	1.406	0.05	0.139	0.195
	N41	100M	QPSK	137RB	68Offset	Back	15	Full	518598	2592.99	20.82	22.30	1.406	0.07	0.158	0.222

<WLAN 2.4GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	15	Ant 1+2	Full	1	2412	22.61	23.50	1.227	99.43	1.006	0.03	0.128	0.158
71	WLAN2.4GHz	802.11b 1Mbps	Back	15	Ant 1+2	Full	1	2412	22.61	23.50	1.227	99.43	1.006	0.04	0.191	**0.236**

<WLAN 5GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	15	Ant 1+2	Full	46	5230	21.16	21.50	1.081	95.89	1.043	-0.03	0.028	0.032
72	WLAN5.2GHz	802.11n-HT40 MCS0	Back	15	Ant 1+2	Full	46	5230	21.16	21.50	1.081	95.89	1.043	0.15	0.433	**0.488**
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	15	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	0.1	0.035	0.040
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	15	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	0.07	0.712	0.809
73	WLAN5.5GHz	802.11n-HT40 MCS0	Back	15	Ant 1+2	Full	110	5550	20.01	20.50	1.119	95.89	1.043	-0.03	0.727	**0.849**
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	15	Ant 1+2	Full	159	5795	19.99	20.50	1.125	95.89	1.043	-0.16	0.014	0.016
74	WLAN5.8GHz	802.11n-HT40 MCS0	Back	15	Ant 1+2	Full	159	5795	19.99	20.50	1.125	95.89	1.043	-0.05	0.573	**0.672**

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Front	15	Ant 1	39	2441	13.30	15.00	1.479	77.05	1.081	-0.05	0.025	0.040
75	Bluetooth	DH5 1Mbps	Back	15	Ant 1	39	2441	13.30	15.00	1.479	77.05	1.081	0.08	0.036	**0.058**

14.4 Product Specific SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
76	GSM850_UAT	GPRS(3 Tx slots)	Left Side	0	Full Power	128	824.2	28.89	29.81	1.236	0.05	1.080	1.335

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
77	WCDMA V_UAT	RMC 12.2Kbps	Back	0	Full Power	4182	836.4	24.16	24.80	1.159	0.01	1.710	1.982
	WCDMA V_UAT	RMC 12.2Kbps	Left Side	0	Full Power	4182	836.4	24.16	24.80	1.159	0.09	0.720	0.834
	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	0	Reduced	1413	1732.6	20.95	21.80	1.216	0.1	2.040	2.481
	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	0	Reduced	1312	1712.4	20.81	21.80	1.256	-0.08	1.980	2.487
78	WCDMA IV_LAT	RMC 12.2Kbps	Bottom Side	0	Reduced	1513	1752.6	20.94	21.80	1.219	0.04	2.070	2.523
	WCDMA II_LAT	RMC 12.2Kbps	Back	0	Reduced	9538	1907.6	19.91	20.80	1.227	0.09	2.130	2.614
	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	0	Reduced	9538	1907.6	19.91	20.80	1.227	-0.13	1.670	2.050
79	WCDMA II_LAT	RMC 12.2Kbps	Back	0	Reduced	9400	1880	19.82	20.80	1.253	0.14	2.100	2.632
	WCDMA II_LAT	RMC 12.2Kbps	Back	0	Reduced	9262	1852.4	19.75	20.80	1.274	0.03	1.750	2.229
	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	0	Reduced	9400	1880	19.82	20.80	1.253	0.08	1.630	2.043
	WCDMA II_LAT	RMC 12.2Kbps	Bottom Side	0	Reduced	9262	1852.4	19.75	20.80	1.274	-0.01	1.580	2.012

<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
80	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Back	0	Full	777	848.31	23.97	24.80	1.211	0.08	1.620	1.961
	CDMA2000 BC0_UAT	RTAP 153.6Kbps	Left Side	0	Full	777	848.31	23.97	24.80	1.211	0.02	0.575	0.696
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	0	Reduced	1175	1908.75	20.09	21.30	1.321	0.06	2.220	2.933
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Bottom Side	0	Reduced	1175	1908.75	20.09	21.30	1.321	0.13	1.150	1.519
	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	0	Reduced	25	1851.25	19.96	21.30	1.361	0.07	2.100	2.859
81	CDMA2000 BC1_LAT	RTAP 153.6Kbps	Back	0	Reduced	600	1880	20.06	21.30	1.330	0.04	2.270	3.020

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
82	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Back	0	Full	20525	836.5	24.07	24.80	1.183	0.08	1.590	**1.881**
	LTE Band 5_UAT	10M	QPSK	1RB	0Offset	Left Side	0	Full	20525	836.5	24.07	24.80	1.183	0.15	0.672	0.795
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Back	0	Full	20525	836.5	23.12	23.80	1.169	0.09	1.330	1.555
	LTE Band 5_UAT	10M	QPSK	25RB	0Offset	Left Side	0	Full	20525	836.5	23.12	23.80	1.169	0.08	0.549	0.642
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0	Reduced	132322	1745	22.11	22.30	1.045	-0.05	2.160	2.257
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0	Reduced	132072	1720	22.01	22.30	1.069	0.02	1.980	2.117
	LTE Band 66_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0	Reduced	132572	1770	22.10	22.30	1.047	-0.08	2.340	2.450
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	132322	1745	21.94	22.30	1.086	0.03	2.240	2.434
	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	132072	1720	21.85	22.30	1.109	-0.13	2.040	2.263
83	LTE Band 66_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	132572	1770	21.85	22.30	1.109	-0.11	2.410	**2.673**
	LTE Band 66_LAT	20M	QPSK	100RB	0Offset	Bottom Side	0	Reduced	132322	1745	21.84	22.30	1.112	0.12	2.330	2.590
	LTE Band 4_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0	Reduced	20175	1732.5	22.53	23.30	1.194	0.06	2.320	2.770
84	LTE Band 4_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	20175	1732.5	22.44	23.30	1.219	-0.07	2.690	**3.279**
	LTE Band 4_LAT	20M	QPSK	100RB	0Offset	Bottom Side	0	Reduced	20175	1732.5	22.41	23.30	1.227	-0.13	2.370	2.909
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0	Reduced	26590	1905	21.66	22.30	1.159	-0.06	2.320	2.688
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0	Reduced	26140	1860	21.49	22.30	1.205	0.01	2.140	2.579
	LTE Band 25_LAT	20M	QPSK	1RB	0Offset	Bottom Side	0	Reduced	26340	1880	21.53	22.30	1.194	0.04	2.210	2.639
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	26590	1905	21.59	22.30	1.178	0.05	2.320	2.732
	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	26140	1860	21.48	22.30	1.208	-0.02	2.190	2.645
85	LTE Band 25_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	26340	1880	21.47	22.30	1.211	0.06	2.330	**2.821**
	LTE Band 25_LAT	20M	QPSK	100RB	0Offset	Bottom Side	0	Reduced	26590	1905	21.54	22.30	1.191	0.07	2.310	2.752
	LTE Band 30_LAT	10M	QPSK	1RB	0Offset	Bottom Side	0	Reduced	27710	2310	21.68	22.80	1.294	-0.05	1.870	2.420
	LTE Band 30_LAT	10M	QPSK	25RB	12Offset	Bottom Side	0	Reduced	27710	2310	21.66	22.80	1.300	0.01	1.960	2.548
86	LTE Band 30_LAT	10M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	27710	2310	21.57	22.80	1.327	0.09	2.070	**2.748**
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Bottom Side	0	Reduced	21350	2560	23.10	23.80	1.175	-0.03	2.020	2.373
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Bottom Side	0	Reduced	20850	2510	22.89	23.80	1.233	0.05	2.180	2.688
	LTE Band 7_LAT	20M	QPSK	1RB	49Offset	Bottom Side	0	Reduced	21100	2535	22.97	23.80	1.211	0.02	2.120	2.566
87	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	21350	2560	23.04	23.80	1.191	0.04	2.470	**2.942**
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	20850	2510	22.76	23.80	1.271	0.04	2.280	2.897
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	21100	2535	22.94	23.80	1.219	0.02	2.270	2.767
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	21350(PCC) + 21152(SCC)	2560(PCC) + 2540.2(SCC)	22.61	23.80	1.315	0.07	1.890	2.486
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	20850(PCC) + 21048(SCC)	2510(PCC) + 2529.8(SCC)	22.59	23.80	1.321	0.04	1.810	2.392
	LTE Band 7_LAT	20M	QPSK	50RB	0Offset	Bottom Side	0	Reduced	21100(PCC) + 20902(SCC)	2535(PCC) + 2515.2(SCC)	22.55	23.80	1.334	0.02	1.850	2.467
	LTE Band 7_LAT	20M	QPSK	100RB	0Offset	Bottom Side	0	Reduced	21350	2560	23.02	23.80	1.197	-0.01	2.450	2.932

<WLAN 5GHz SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0	Ant 1+2	Full	62	5310	20.32	20.50	1.042	95.89	1.043	0.02	0.127	0.138
88	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0	Ant 1+2	Full	62	5310	20.32	20.50	1.042	95.89	1.043	0.05	1.850	**2.011**
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0	Ant 1+2	Full	62	5310	20.32	20.50	1.042	95.89	1.043	0.1	0.004	0.004
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0	Ant 1+2	Full	62	5310	20.32	20.50	1.042	95.89	1.043	0.15	0.401	0.436
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0	Ant 1+2	Full	62	5310	20.32	20.50	1.042	95.89	1.043	-0.06	0.220	0.239
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0	Ant 1+2	Full	54	5270	20.20	20.50	1.072	95.89	1.043	0.05	1.790	2.000
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	0	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	-0.07	0.152	0.173
89	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	0.08	1.730	**1.965**
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Side	0	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	0.05	0.010	0.011
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	0	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	0.03	0.501	0.569
	WLAN5.5GHz	802.11n-HT40 MCS0	Top Side	0	Ant 1+2	Full	102	5510	20.13	20.50	1.089	95.89	1.043	0.1	0.371	0.421

14.5 Repeated SAR Measurement

<1g SAR>

No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 26_UAT	15M_QPSK_36_0	Left Side	10	Reduced	26865	831.5	22.02	22.80	1.197	-	1.000	0.05	0.815	-	0.975
2nd	LTE Band 26_UAT	15M_QPSK_36_0	Left Side	10	Reduced	26865	831.5	22.02	22.80	1.197	-	1.000	0.08	0.803	1.015	0.961

<10g SAR>

No.	Band	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	LTE Band 4_LAT	20M_QPSK_50_0	Bottom Side	0	Reduced	20175	1732.5	22.44	23.30	1.219	-0.07	2.690	-	3.279
2nd	LTE Band 4_LAT	20M_QPSK_50_0	Bottom Side	0	Reduced	20175	1732.5	22.44	23.30	1.219	0.08	2.630	1.023	3.206
1st	LTE Band 25_LAT	20M_QPSK_50_0	Bottom Side	0	Reduced	26340	1880	21.47	22.30	1.211	0.06	2.330	-	2.821
2nd	LTE Band 25_LAT	20M_QPSK_50_0	Bottom Side	0	Reduced	26340	1880	21.47	22.30	1.211	0.01	2.310	1.009	2.796
1st	LTE Band 30_LAT	10M_QPSK_50_0	Bottom Side	0	Reduced	27710	2310	21.57	22.80	1.327	0.09	2.070	-	2.748
2nd	LTE Band 30_LAT	10M_QPSK_50_0	Bottom Side	0	Reduced	27710	2310	21.57	22.80	1.327	0.03	2.010	1.030	2.668
1st	LTE Band 7_LAT	20M_QPSK_50_0	Bottom Side	0	Reduced	21350	2560	23.04	23.80	1.191	0.04	2.470	-	2.942
2nd	LTE Band 7_LAT	20M_QPSK_50_0	Bottom Side	0	Reduced	21350	2560	23.04	23.80	1.191	0.07	2.410	1.025	2.871

General Note:

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

15. Simultaneous Transmission Analysis

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

General Note:

1. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
2. 2.4GHz WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.
3. All licensed modes share the same antenna part and cannot transmit simultaneously.
4. EUT will choose either WLAN 2.4GHz or WLAN 5GHz according to the network signal condition; therefore, 2.4GHz WLAN and 5GHz WLAN will not operate simultaneously at any moment.
5. For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
6. The Scaled SAR summation is calculated based on the same configuration and test position.
7. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
   i) Scalar SAR summation < 1.6W/kg.
   ii) SPLSR = (SAR1 + SAR2)^1.5 / (min. 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 ≤ 0.04, simultaneously transmission SAR measurement is not necessary.
   iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.
   v) The SPLSR calculated results please refer to section 15.5.

15.1 Head Exposure Conditions

<UAT>

WWAN Band		Exposure Position	1	2	3	4	1+2			1+3+4		
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth Ant 1	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
GSM	GSM850	Right Cheek	0.523	0.311	0.147	0.189	0.83			0.86		
		Right Tilted	0.114	0.210	0.167	0.117	0.32			0.40		
		Left Cheek	0.715	0.886	0.374	0.475	**1.60**	**0.02**	**#01**	1.56		
		Left Tilted	0.129	0.635	0.391	0.382	0.76			0.90		
WCDMA	Band V	Right Cheek	0.504	0.311	0.147	0.189	0.82			0.84		
		Right Tilted	0.098	0.210	0.167	0.117	0.31			0.38		
		Left Cheek	0.665	0.886	0.374	0.475	1.55			1.51		
		Left Tilted	0.116	0.635	0.391	0.382	0.75			0.89		
CDMA2000	BC0	Right Cheek	0.673	0.311	0.147	0.189	0.98			1.01		
		Right Tilted	0.125	0.210	0.167	0.117	0.34			0.41		
		Left Cheek	0.919	0.886	0.374	0.475	**1.81**	**0.03**	**#02**	**1.77**	**0.03**	**#03**
		Left Tilted	0.221	0.635	0.391	0.382	0.86			0.99		
	BC10	Right Cheek	0.674	0.311	0.147	0.189	0.99			1.01		
		Right Tilted	0.126	0.210	0.167	0.117	0.34			0.41		
		Left Cheek	0.864	0.886	0.374	0.475	**1.75**	**0.03**	**#04**	**1.71**	**0.03**	**#05**
		Left Tilted	0.144	0.635	0.391	0.382	0.78			0.92		
LTE	Band 71	Right Cheek	0.612	0.311	0.147	0.189	0.92			0.95		
		Right Tilted	0.113	0.210	0.167	0.117	0.32			0.40		
		Left Cheek	0.776	0.886	0.374	0.475	**1.66**	**0.03**	**#06**	**1.63**	**0.02**	**#07**
		Left Tilted	0.125	0.635	0.391	0.382	0.76			0.90		
	Band 12	Right Cheek	0.650	0.311	0.147	0.189	0.96			0.99		
		Right Tilted	0.113	0.210	0.167	0.117	0.32			0.40		
		Left Cheek	0.868	0.886	0.374	0.475	**1.75**	**0.03**	**#08**	**1.72**	**0.03**	**#09**
		Left Tilted	0.144	0.635	0.391	0.382	0.78			0.92		
	Band 13	Right Cheek	0.448	0.311	0.147	0.189	0.76			0.78		
		Right Tilted	0.084	0.210	0.167	0.117	0.29			0.37		
		Left Cheek	0.544	0.886	0.374	0.475	1.43			1.39		
		Left Tilted	0.108	0.635	0.391	0.382	0.74			0.88		
	Band 5	Right Cheek	0.782	0.311	0.147	0.189	1.09			1.12		
		Right Tilted	0.120	0.210	0.167	0.117	0.33			0.40		
		Left Cheek	0.813	0.886	0.374	0.475	**1.70**	**0.02**	**#10**	**1.66**	**0.02**	**#11**
		Left Tilted	0.145	0.635	0.391	0.382	0.78			0.92		
	Band 26	Right Cheek	0.384	0.311	0.147	0.189	0.70			0.72		
		Right Tilted	0.049	0.210	0.167	0.117	0.26			0.33		
		Left Cheek	0.680	0.886	0.374	0.475	1.57			1.53		
		Left Tilted	0.112	0.635	0.391	0.382	0.75			0.89		

<For 5G NR>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+3+4+5 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 1+2	N41	5GHz WLAN Ant 1+2	Bluetooth Ant 1		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE	Band 26-EN-DC	Right Cheek	0.246	0.311	0.873	0.147	0.189	1.43	1.46
		Right Tilted	0.026	0.210	0.872	0.167	0.117	1.11	1.18
		Left Cheek	0.445	0.886	0.153	0.374	0.475	1.48	1.45
		Left Tilted	0.071	0.635	0.242	0.391	0.382	0.95	1.09

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WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth Ant 1		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM	GSM850	Right Cheek	0.156	0.311	0.147	0.189	0.47	0.49
		Right Tilted	0.101	0.210	0.167	0.117	0.31	0.39
		Left Cheek	0.177	0.886	0.374	0.475	1.06	1.03
		Left Tilted	0.098	0.635	0.391	0.382	0.73	0.87
	GSM1900	Right Cheek	0.188	0.311	0.147	0.189	0.50	0.52
		Right Tilted	0.113	0.210	0.167	0.117	0.32	0.40
		Left Cheek	0.101	0.886	0.374	0.475	0.99	0.95
		Left Tilted	0.100	0.635	0.391	0.382	0.74	0.87
WCDMA	Band V	Right Cheek	0.143	0.311	0.147	0.189	0.45	0.48
		Right Tilted	0.108	0.210	0.167	0.117	0.32	0.39
		Left Cheek	0.195	0.886	0.374	0.475	1.08	1.04
		Left Tilted	0.112	0.635	0.391	0.382	0.75	0.89
	Band IV	Right Cheek	0.235	0.311	0.147	0.189	0.55	0.57
		Right Tilted	0.140	0.210	0.167	0.117	0.35	0.42
		Left Cheek	0.143	0.886	0.374	0.475	1.03	0.99
		Left Tilted	0.104	0.635	0.391	0.382	0.74	0.88
	Band II	Right Cheek	0.377	0.311	0.147	0.189	0.69	0.71
		Right Tilted	0.229	0.210	0.167	0.117	0.44	0.51
		Left Cheek	0.142	0.886	0.374	0.475	1.03	0.99
		Left Tilted	0.201	0.635	0.391	0.382	0.84	0.97
CDMA2000	BC0	Right Cheek	0.163	0.311	0.147	0.189	0.47	0.50
		Right Tilted	0.120	0.210	0.167	0.117	0.33	0.40
		Left Cheek	0.206	0.886	0.374	0.475	1.09	1.06
		Left Tilted	0.107	0.635	0.391	0.382	0.74	0.88
	BC1	Right Cheek	0.329	0.311	0.147	0.189	0.64	0.67
		Right Tilted	0.192	0.210	0.167	0.117	0.40	0.48
		Left Cheek	0.186	0.886	0.374	0.475	1.07	1.04
		Left Tilted	0.185	0.635	0.391	0.382	0.82	0.96
	BC10	Right Cheek	0.143	0.311	0.147	0.189	0.45	0.48
		Right Tilted	0.106	0.210	0.167	0.117	0.32	0.39
		Left Cheek	0.180	0.886	0.374	0.475	1.07	1.03
		Left Tilted	0.097	0.635	0.391	0.382	0.73	0.87

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN Ant 1+2 1g SAR (W/kg)	3 5GHz WLAN Ant 1+2 1g SAR (W/kg)	4 Bluetooth Ant 1 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
LTE	Band 71	Right Cheek	0.119	0.311	0.147	0.189	0.43	0.46
		Right Tilted	0.076	0.210	0.167	0.117	0.29	0.36
		Left Cheek	0.154	0.886	0.374	0.475	1.04	1.00
		Left Tilted	0.083	0.635	0.391	0.382	0.72	0.86
	Band 12	Right Cheek	0.109	0.311	0.147	0.189	0.42	0.45
		Right Tilted	0.075	0.210	0.167	0.117	0.29	0.36
		Left Cheek	0.141	0.886	0.374	0.475	1.03	0.99
		Left Tilted	0.073	0.635	0.391	0.382	0.71	0.85
	Band 13	Right Cheek	0.121	0.311	0.147	0.189	0.43	0.46
		Right Tilted	0.082	0.210	0.167	0.117	0.29	0.37
		Left Cheek	0.154	0.886	0.374	0.475	1.04	1.00
		Left Tilted	0.086	0.635	0.391	0.382	0.72	0.86
	Band 5	Right Cheek	0.136	0.311	0.147	0.189	0.45	0.47
		Right Tilted	0.098	0.210	0.167	0.117	0.31	0.38
		Left Cheek	0.178	0.886	0.374	0.475	1.06	1.03
		Left Tilted	0.093	0.635	0.391	0.382	0.73	0.87
	Band 26	Right Cheek	0.097	0.311	0.147	0.189	0.41	0.43
		Right Tilted	0.070	0.210	0.167	0.117	0.28	0.35
		Left Cheek	0.118	0.886	0.374	0.475	1.00	0.97
		Left Tilted	0.065	0.635	0.391	0.382	0.70	0.84
	Band 66	Right Cheek	0.252	0.311	0.147	0.189	0.56	0.59
		Right Tilted	0.143	0.210	0.167	0.117	0.35	0.43
		Left Cheek	0.138	0.886	0.374	0.475	1.02	0.99
		Left Tilted	0.105	0.635	0.391	0.382	0.74	0.88
	Band 25	Right Cheek	0.330	0.311	0.147	0.189	0.64	0.67
		Right Tilted	0.202	0.210	0.167	0.117	0.41	0.49
		Left Cheek	0.184	0.886	0.374	0.475	1.07	1.03
		Left Tilted	0.154	0.635	0.391	0.382	0.79	0.93
	Band 30	Right Cheek	0.156	0.311	0.147	0.189	0.47	0.49
		Right Tilted	0.100	0.210	0.167	0.117	0.31	0.38
		Left Cheek	0.179	0.886	0.374	0.475	1.07	1.03
		Left Tilted	0.092	0.635	0.391	0.382	0.73	0.87
	Band 7	Right Cheek	0.109	0.311	0.147	0.189	0.42	0.45
		Right Tilted	0.063	0.210	0.167	0.117	0.27	0.35
		Left Cheek	0.171	0.886	0.374	0.475	1.06	1.02
		Left Tilted	0.078	0.635	0.391	0.382	0.71	0.85
	Band 38	Right Cheek	0.038	0.311	0.147	0.189	0.35	0.37
		Right Tilted	0.029	0.210	0.167	0.117	0.24	0.31
		Left Cheek	0.075	0.886	0.374	0.475	0.96	0.92
		Left Tilted	0.028	0.635	0.391	0.382	0.66	0.80
	Band 41	Right Cheek	0.043	0.311	0.147	0.189	0.35	0.38
		Right Tilted	0.025	0.210	0.167	0.117	0.24	0.31
		Left Cheek	0.064	0.886	0.374	0.475	0.95	0.91
		Left Tilted	0.028	0.635	0.391	0.382	0.66	0.80

<For 5G NR>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+3+4+5 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 1+2	N41	5GHz WLAN Ant 1+2	Bluetooth Ant 1		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE	Band 26-EN-DC	Right Cheek	0.080	0.311	0.873	0.147	0.189	1.26	1.29
		Right Tilted	0.017	0.210	0.872	0.167	0.117	1.10	1.17
		Left Cheek	0.067	0.886	0.153	0.374	0.475	1.11	1.07
		Left Tilted	0.044	0.635	0.242	0.391	0.382	0.92	1.06
	Band 41	Right Cheek	0.043	0.311	0.873	0.147	0.189	1.23	1.25
		Right Tilted	0.025	0.210	0.872	0.167	0.117	1.11	1.18
		Left Cheek	0.064	0.886	0.153	0.374	0.475	1.10	1.07
		Left Tilted	0.028	0.635	0.242	0.391	0.382	0.91	1.04

15.2 Hotspot Exposure Conditions

<UAT>

WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4		
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth		Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
GSM	GSM850	Front	0.256	0.342	0.024	0.073	0.60	0.35		
		Back	0.778	0.554	0.757	0.131	1.33	**1.67**	**0.03**	**#12**
		Left side	0.993	0.038	0.024	0.003	1.03	1.02		
		Right side	0.004	0.354	0.280	0.086	0.36	0.37		
		Top side	0.015	0.294	0.141	0.063	0.31	0.22		
WCDMA	Band V	Front	0.372	0.342	0.024	0.073	0.71	0.47		
		Back	0.875	0.554	0.757	0.131	1.43	**1.76**	**0.03**	**#13**
		Left side	0.932	0.038	0.024	0.003	0.97	0.96		
		Right side	0.007	0.354	0.280	0.086	0.36	0.37		
		Top side	0.015	0.294	0.141	0.063	0.31	0.22		
CDMA	BC0	Front	0.334	0.342	0.024	0.073	0.68	0.43		
		Back	0.798	0.554	0.757	0.131	1.35	**1.69**	**0.03**	**#14**
		Left side	0.855	0.038	0.024	0.003	0.89	0.88		
		Right side	0.019	0.354	0.280	0.086	0.37	0.39		
		Top side	0.013	0.294	0.141	0.063	0.31	0.22		
	BC10	Front	0.301	0.342	0.024	0.073	0.64	0.40		
		Back	0.619	0.554	0.757	0.131	1.17	1.51		
		Left side	0.654	0.038	0.024	0.003	0.69	0.68		
		Right side	0.022	0.354	0.280	0.086	0.38	0.39		
		Top side	0.015	0.294	0.141	0.063	0.31	0.22		

WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4		
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth		Summed 1g SAR (W/kg)	Case No	SPLSR
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
LTE	Band 71	Front	0.416	0.342	0.024	0.073	0.76	0.51		
		Back	0.690	0.554	0.757	0.131	1.24	**1.58**		
		Left side	0.834	0.038	0.024	0.003	0.87	0.86		
		Right side	0.076	0.354	0.280	0.086	0.43	0.44		
		Top side	0.030	0.294	0.141	0.063	0.32	0.23		
	Band 12	Front	0.358	0.342	0.024	0.073	0.70	0.46		
		Back	0.707	0.554	0.757	0.131	1.26	**1.60**	**0.03**	**#15**
		Left side	0.758	0.038	0.024	0.003	0.80	0.79		
		Right side	0.065	0.354	0.280	0.086	0.42	0.43		
		Top side	0.018	0.294	0.141	0.063	0.31	0.22		
	Band 13	Front	0.302	0.342	0.024	0.073	0.64	0.40		
		Back	0.564	0.554	0.757	0.131	1.12	1.45		
		Left side	0.734	0.038	0.024	0.003	0.77	0.76		
		Right side	0.037	0.354	0.280	0.086	0.39	0.40		
		Top side	0.022	0.294	0.141	0.063	0.32	0.23		
	Band 5	Front	0.313	0.342	0.024	0.073	0.66	0.41		
		Back	0.740	0.554	0.757	0.131	1.29	**1.63**	**0.03**	**#16**
		Left side	0.716	0.038	0.024	0.003	0.75	0.74		
		Right side	0.033	0.354	0.280	0.086	0.39	0.40		
		Top side	0.016	0.294	0.141	0.063	0.31	0.22		
	Band 26	Front	0.381	0.342	0.024	0.073	0.72	0.48		
		Back	0.822	0.554	0.757	0.131	1.38	**1.71**	**0.03**	**#17**
		Left side	0.975	0.038	0.024	0.003	1.01	1.00		
		Right side	0.031	0.354	0.280	0.086	0.39	0.40		
		Top side	0.021	0.294	0.141	0.063	0.32	0.23		

<With 5G NR>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3			1+3+4+5		
			WWAN	2.4GHz WLAN Ant 1+2	N41	5GHz WLAN Ant 1+2	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
LTE	Band 26	Front	0.353	0.342	0.418	0.024	0.073	1.11			0.87		
		Back	0.681	0.554	0.595	0.757	0.131	**1.83**	**0.03**	**18**	**2.16**	**0.04**	**#19**
		Left side	0.694	0.038	0.606	0.024	0.003	1.34			1.33		
		Right side	0.021	0.354	0.077	0.280	0.086	0.45			0.46		
		Top side	0.016	0.294	0.465	0.141	0.063	0.78			0.69		

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WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4		
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth		Summed 1g SAR (W/kg)	Case No	SPLSR
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
GSM	GSM850	Front	0.169	0.342	0.024	0.073	0.51	0.27		
		Back	0.246	0.554	0.757	0.131	0.80	1.13		
		Left side	0.103	0.038	0.024	0.003	0.14	0.13		
		Right side	0.153	0.354	0.280	0.086	0.51	0.52		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.160				0.16	0.16		
	GSM1900	Front	0.454	0.342	0.024	0.073	0.80	0.55		
		Back	0.577	0.554	0.757	0.131	1.13	1.47		
		Left side	0.226	0.038	0.024	0.003	0.26	0.25		
		Right side	0.163	0.354	0.280	0.086	0.52	0.53		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.677				0.68	0.68		
WCDMA	Band V	Front	0.172	0.342	0.024	0.073	0.51	0.27		
		Back	0.282	0.554	0.757	0.131	0.84	1.17		
		Left side	0.128	0.038	0.024	0.003	0.17	0.16		
		Right side	0.152	0.354	0.280	0.086	0.51	0.52		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.244				0.24	0.24		
	Band IV	Front	0.382	0.342	0.024	0.073	0.72	0.48		
		Back	0.522	0.554	0.757	0.131	1.08	1.41		
		Left side	0.200	0.038	0.024	0.003	0.24	0.23		
		Right side	0.093	0.354	0.280	0.086	0.45	0.46		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.692				0.69	0.69		
	Band II	Front	0.371	0.342	0.024	0.073	0.71	0.47		
		Back	0.693	0.554	0.757	0.131	1.25	1.58		
		Left side	0.267	0.038	0.024	0.003	0.31	0.29		
		Right side	0.157	0.354	0.280	0.086	0.51	0.52		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.790				0.79	0.79		
CDMA	BC0	Front	0.172	0.342	0.024	0.073	0.51	0.27		
		Back	0.227	0.554	0.757	0.131	0.78	1.12		
		Left side	0.083	0.038	0.024	0.003	0.12	0.11		
		Right side	0.132	0.354	0.280	0.086	0.49	0.50		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.222				0.22	0.22		
	BC1	Front	0.390	0.342	0.024	0.073	0.73	0.49		
		Back	0.729	0.554	0.757	0.131	1.28	**1.62**	**0.01**	**#20**
		Left side	0.266	0.038	0.024	0.003	0.30	0.29		
		Right side	0.186	0.354	0.280	0.086	0.54	0.55		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.918				0.92	0.92		

WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4		
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth		Summed 1g SAR (W/kg)	Case No	SPLSR
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
CDMA	BC10	Front	0.211	0.342	0.024	0.073	0.55	0.31		
		Back	0.255	0.554	0.757	0.131	0.81	1.14		
		Left side	0.131	0.038	0.024	0.003	0.17	0.16		
		Right side	0.156	0.354	0.280	0.086	0.51	0.52		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.199				0.20	0.20		
LTE	Band 71	Front	0.229	0.342	0.024	0.073	0.57	0.33		
		Back	0.366	0.554	0.757	0.131	0.92	1.25		
		Left side	0.231	0.038	0.024	0.003	0.27	0.26		
		Right side	0.245	0.354	0.280	0.086	0.60	0.61		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.092				0.09	0.09		
	Band 12	Front	0.201	0.342	0.024	0.073	0.54	0.30		
		Back	0.281	0.554	0.757	0.131	0.84	1.17		
		Left side	0.177	0.038	0.024	0.003	0.22	0.20		
		Right side	0.204	0.354	0.280	0.086	0.56	0.57		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.119				0.12	0.12		
	Band 13	Front	0.181	0.342	0.024	0.073	0.52	0.28		
		Back	0.289	0.554	0.757	0.131	0.84	1.18		
		Left side	0.223	0.038	0.024	0.003	0.26	0.25		
		Right side	0.154	0.354	0.280	0.086	0.51	0.52		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.132				0.13	0.13		
	Band 5	Front	0.170	0.342	0.024	0.073	0.51	0.27		
		Back	0.278	0.554	0.757	0.131	0.83	1.17		
		Left side	0.095	0.038	0.024	0.003	0.13	0.12		
		Right side	0.126	0.354	0.280	0.086	0.48	0.49		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.207				0.21	0.21		
	Band 26	Front	0.125	0.342	0.024	0.073	0.47	0.22		
		Back	0.199	0.554	0.757	0.131	0.75	1.09		
		Left side	0.054	0.038	0.024	0.003	0.09	0.08		
		Right side	0.087	0.354	0.280	0.086	0.44	0.45		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.147				0.15	0.15		
	Band 66	Front	0.337	0.342	0.024	0.073	0.68	0.43		
		Back	0.449	0.554	0.757	0.131	1.00	1.34		
		Left side	0.193	0.038	0.024	0.003	0.23	0.22		
		Right side	0.137	0.354	0.280	0.086	0.49	0.50		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.536				0.54	0.54		

WWAN Band		Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4		
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth		Summed 1g SAR (W/kg)	Case No	SPLSR
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
LTE	Band 4	Front	0.415	0.342	0.024	0.073	0.76	0.51		
		Back	0.502	0.554	0.757	0.131	1.06	1.39		
		Left side	0.203	0.038	0.024	0.003	0.24	0.23		
		Right side	0.147	0.354	0.280	0.086	0.50	0.51		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.692				0.69	0.69		
	Band 25	Front	0.377	0.342	0.024	0.073	0.72	0.47		
		Back	0.647	0.554	0.757	0.131	1.20	1.54		
		Left side	0.273	0.038	0.024	0.003	0.31	0.30		
		Right side	0.160	0.354	0.280	0.086	0.51	0.53		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.791				0.79	0.79		
	Band 30	Front	0.472	0.342	0.024	0.073	0.81	0.57		
		Back	0.624	0.554	0.757	0.131	1.18	1.51		
		Left side	0.100	0.038	0.024	0.003	0.14	0.13		
		Right side	0.114	0.354	0.280	0.086	0.47	0.48		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.828				0.83	0.83		
	Band 7	Front	0.406	0.342	0.024	0.073	0.75	0.50		
		Back	0.615	0.554	0.757	0.131	1.17	1.50		
		Left side	0.123	0.038	0.024	0.003	0.16	0.15		
		Right side	0.104	0.354	0.280	0.086	0.46	0.47		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.927				0.93	0.93		
	Band 38	Front	0.277	0.342	0.024	0.073	0.62	0.37		
		Back	0.398	0.554	0.757	0.131	0.95	1.29		
		Left side	0.073	0.038	0.024	0.003	0.11	0.10		
		Right side	0.045	0.354	0.280	0.086	0.40	0.41		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.545				0.55	0.55		
	Band 41	Front	0.246	0.342	0.024	0.073	0.59	0.34		
		Back	0.430	0.554	0.757	0.131	0.98	1.32		
		Left side	0.071	0.038	0.024	0.003	0.11	0.10		
		Right side	0.039	0.354	0.280	0.086	0.39	0.41		
		Top side		0.294	0.141	0.063	0.29	0.20		
		Bottom Side	0.779				0.78	0.78		

<With 5G NR>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+3+4+5		
			WWAN	2.4GHz WLAN Ant 1+2	N41	5GHz WLAN Ant 1+2	Bluetooth		Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
LTE	Band 26	Front	0.129	0.342	0.418	0.024	0.073	0.89	0.64		
		Back	0.202	0.554	0.595	0.757	0.131	1.35	**1.69**	**0.03**	**#21**
		Left side	0.073	0.038	0.606	0.024	0.003	0.72	0.71		
		Right side	0.109	0.354	0.077	0.280	0.086	0.54	0.55		
		Top side		0.294	0.465	0.141	0.063	0.76	0.67		
		Bottom side	0.136					0.14	0.14		
	Band 41	Front	0.246	0.342	0.418	0.024	0.073	1.01	0.76		
		Back	0.430	0.554	0.595	0.757	0.131	**1.58**	**1.91**	**0.02**	**#22**
		Left side	0.071	0.038	0.606	0.024	0.003	0.72	0.70		
		Right side	0.039	0.354	0.077	0.280	0.086	0.47	0.48		
		Top side		0.294	0.465	0.141	0.063	0.76	0.67		
		Bottom side	0.717					0.72	0.72		

15.3 Body-Worn Accessory Exposure Conditions

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WWAN Band		Exposure Position	1	2	3	4	1+2			1+3+4		
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth Ant 1	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
GSM	GSM850	Front	0.297	0.158	0.040	0.040	0.46			0.38		
		Back	0.714	0.236	0.849	0.058	0.95			**1.62**	**0.03**	**#23**
WCDMA	Band V	Front	0.330	0.158	0.040	0.040	0.49			0.41		
		Back	0.762	0.236	0.849	0.058	1.00			**1.67**	**0.03**	**#24**
CDMA2000	BC0	Front	0.375	0.158	0.040	0.040	0.53			0.46		
		Back	0.791	0.236	0.849	0.058	1.03			**1.70**	**0.03**	**#25**
	BC10	Front	0.304	0.158	0.040	0.040	0.46			0.38		
		Back	0.705	0.236	0.849	0.058	0.94			**1.61**	**0.03**	**#26**
LTE	Band 71	Front	0.260	0.158	0.040	0.040	0.42			0.34		
		Back	0.420	0.236	0.849	0.058	0.66			1.33		
	Band 12	Front	0.278	0.158	0.040	0.040	0.44			0.36		
		Back	0.521	0.236	0.849	0.058	0.76			1.43		
	Band 13	Front	0.307	0.158	0.040	0.040	0.47			0.39		
		Back	0.700	0.236	0.849	0.058	0.94			**1.61**	**0.03**	**#27**
	Band 5	Front	0.299	0.158	0.040	0.040	0.46			0.38		
		Back	0.704	0.236	0.849	0.058	0.94			**1.61**	**0.03**	**#28**
	Band 26	Front	0.222	0.158	0.040	0.040	0.38			0.30		
		Back	0.458	0.236	0.849	0.058	0.69			1.37		

<For 5G NR>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+3+4+5 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 1+2	N41	5GHz WLAN Ant 1+2	Bluetooth Ant 1		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE	Band 26-EN-DC	Front	0.173	0.158	0.199	0.040	0.040	0.53	0.45
		Back	0.370	0.236	0.256	0.849	0.058	0.86	1.53

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WWAN Band		Exposure Position	1	2	3	4	1+2	1+3+4
			WWAN	2.4GHz WLAN Ant 1+2	5GHz WLAN Ant 1+2	Bluetooth Ant 1	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM	GSM850	Front	0.173	0.158	0.040	0.040	0.33	0.25
		Back	0.233	0.236	0.849	0.058	0.47	1.14
	GSM1900	Front	0.197	0.158	0.040	0.040	0.36	0.28
		Back	0.285	0.236	0.849	0.058	0.52	1.19
WCDMA	Band V	Front	0.141	0.158	0.040	0.040	0.30	0.22
		Back	0.239	0.236	0.849	0.058	0.48	1.15
	Band IV	Front	0.459	0.158	0.040	0.040	0.62	0.54
		Back	0.479	0.236	0.849	0.058	0.72	1.39
	Band II	Front	0.453	0.158	0.040	0.040	0.61	0.53
		Back	0.626	0.236	0.849	0.058	0.86	1.53
CDMA2000	BC0	Front	0.161	0.158	0.040	0.040	0.32	0.24
		Back	0.261	0.236	0.849	0.058	0.50	1.17
	BC1	Front	0.387	0.158	0.040	0.040	0.55	0.47
		Back	0.543	0.236	0.849	0.058	0.78	1.45
	BC10	Front	0.163	0.158	0.040	0.040	0.32	0.24
		Back	0.255	0.236	0.849	0.058	0.49	1.16
LTE	Band 71	Front	0.249	0.158	0.040	0.040	0.41	0.33
		Back	0.279	0.236	0.849	0.058	0.52	1.19
	Band 12	Front	0.211	0.158	0.040	0.040	0.37	0.29
		Back	0.237	0.236	0.849	0.058	0.47	1.14
	Band 13	Front	0.186	0.158	0.040	0.040	0.34	0.27
		Back	0.287	0.236	0.849	0.058	0.52	1.19
	Band 5	Front	0.149	0.158	0.040	0.040	0.31	0.23
		Back	0.244	0.236	0.849	0.058	0.48	1.15
	Band 26	Front	0.119	0.158	0.040	0.040	0.28	0.20
		Back	0.141	0.236	0.849	0.058	0.38	1.05
	Band 66	Front	0.448	0.158	0.040	0.040	0.61	0.53
		Back	0.467	0.236	0.849	0.058	0.70	1.37
	Band 25	Front	0.423	0.158	0.040	0.040	0.58	0.50
		Back	0.581	0.236	0.849	0.058	0.82	1.49
	Band 30	Front	0.494	0.158	0.040	0.040	0.65	0.57
		Back	0.516	0.236	0.849	0.058	0.75	1.42
	Band 7	Front	0.334	0.158	0.040	0.040	0.49	0.41
		Back	0.383	0.236	0.849	0.058	0.62	1.29
	Band 38	Front	0.154	0.158	0.040	0.040	0.31	0.23
		Back	0.206	0.236	0.849	0.058	0.44	1.11
	Band 41	Front	0.139	0.158	0.040	0.040	0.30	0.22
		Back	0.209	0.236	0.849	0.058	0.45	1.12

<For 5G NR>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+3+4+5 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 1+2	N41	5GHz WLAN Ant 1+2	Bluetooth Ant 1		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE	Band 26-EN-DC	Front	0.084	0.158	0.199	0.040	0.040	0.44	0.36
		Back	0.120	0.236	0.256	0.849	0.058	0.61	1.28
	Band 41	Front	0.139	0.158	0.199	0.040	0.040	0.50	0.42
		Back	0.209	0.236	0.256	0.849	0.058	0.70	1.37

15.4 Product Specific Exposure Conditions

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WWAN Band		Exposure Position	1	2	1+2
			WWAN	5GHz WLAN	Summed 10g SAR (W/kg)
			10g SAR (W/kg)	10g SAR (W/kg)	
GSM	GSM850	Left side	1.335	0.011	1.35
WCDMA	Band V	Back	1.982	2.011	3.99
		Left side	0.834	0.011	0.85
CDMA	BC0	Back	1.961	2.011	3.97
		Left side	0.696	0.011	0.71
LTE	Band 5	Back	1.881	2.011	3.89
		Left side	0.795	0.011	0.81

<LAT>

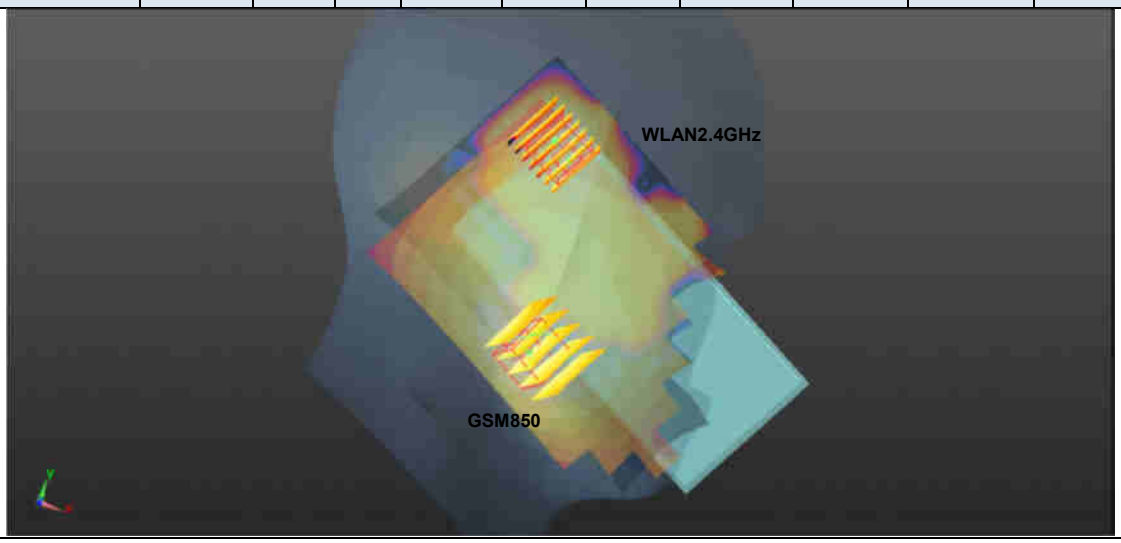
WWAN Band		Exposure Position	1	2	1+2		
			WWAN	5GHz WLAN	Summed 10g SAR (W/kg)	SPLSR	Case No
			10g SAR (W/kg)	10g SAR (W/kg)			
WCDMA	Band II	Back	2.632	2.011	**4.64**	**0.06**	**#29**
		Bottom side	2.050		2.05		
	Band IV	Bottom side	2.523		2.52		
CDMA	BC1	Back	3.020	2.011	**5.03**	**0.07**	**#30**
		Bottom side	1.519		1.52		
LTE	Band 66	Bottom side	2.673		2.67		
	Band 4	Bottom side	3.279		3.28		
	Band 25	Bottom side	2.821		2.82		
	Band 30	Bottom side	2.748		2.75		
	Band 7	Bottom side	2.942		2.94		

15.5 SPLSR Evaluation and Analysis

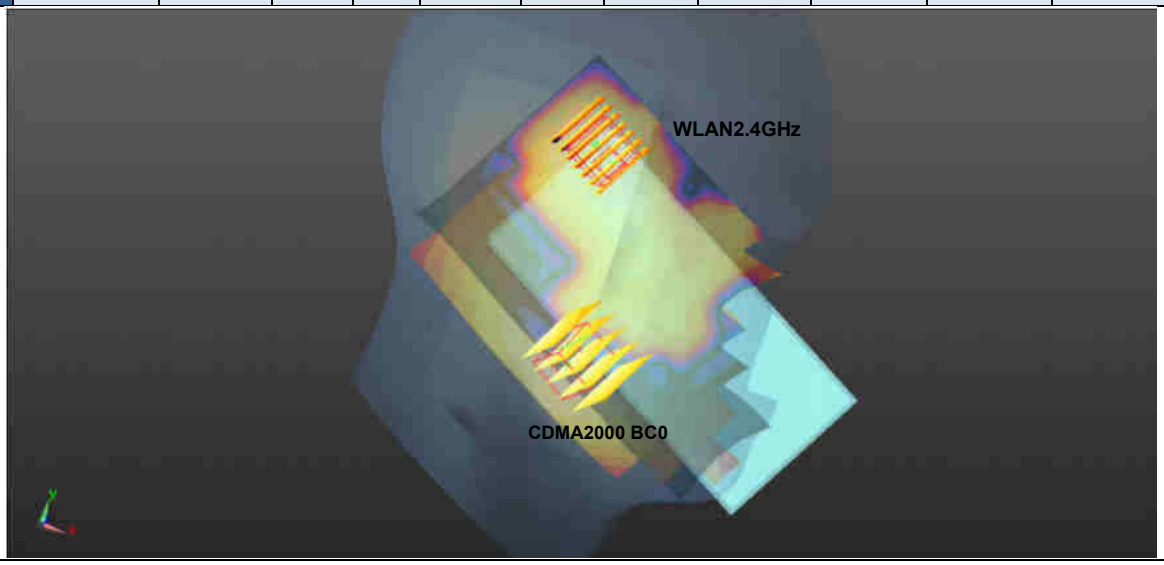
General Note:

1. SPLSR = $(SAR_1 + SAR_2)^{1.5}$ / (*min. separation distance, mm*). If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary

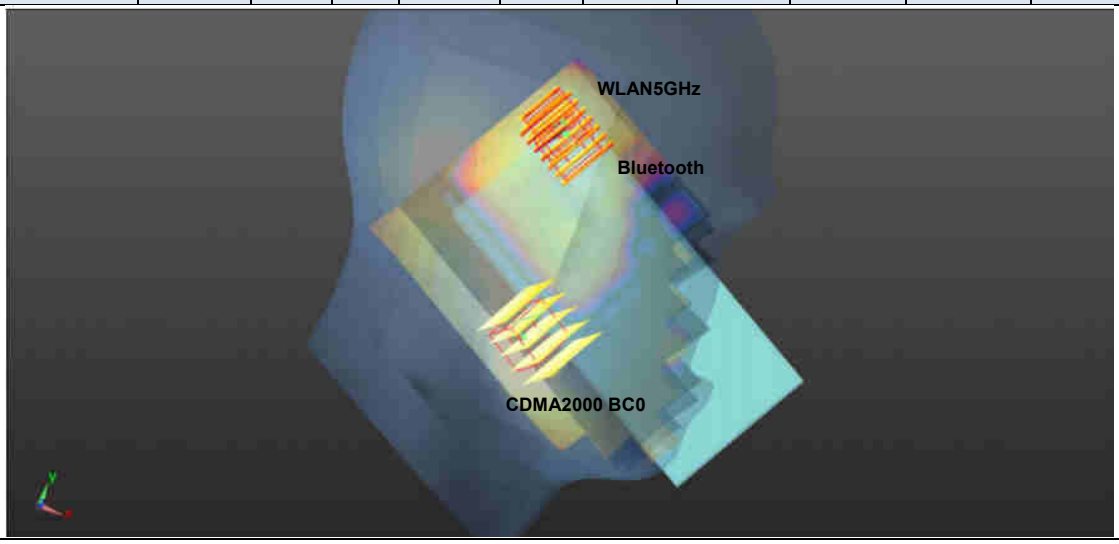
Case 1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM850	Left Cheek	0.826	0	0.0289	0.227	-0.171	98.1	1.75	0.02	Not required
	WLAN2.4GHz		0.923	0	0.033	0.325	-0.171				



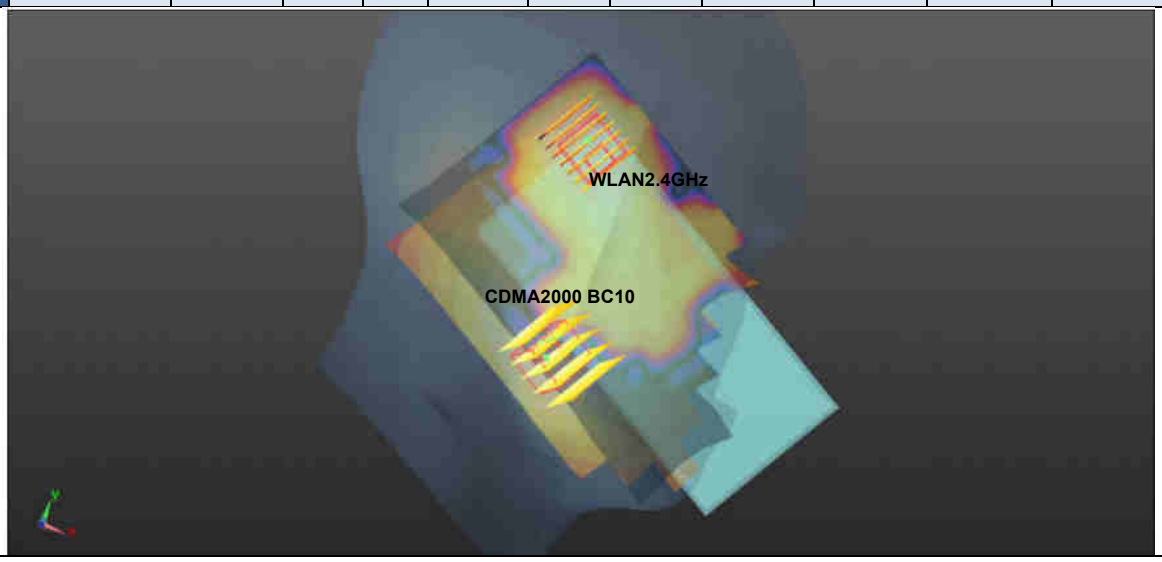
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA2000 BC0	Left Cheek	0.919	0	0.0385	0.24	-0.167	87.2	1.81	0.03	Not required
	WLAN2.4GHz		0.886	0	0.0358	0.327	-0.173				



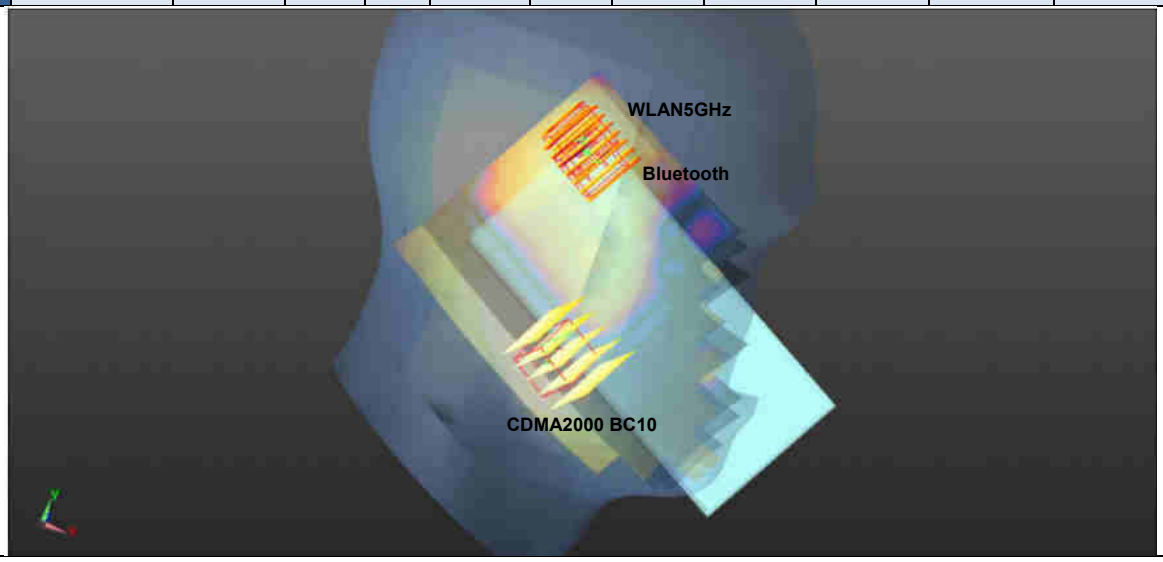
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 3	CDMA2000 BC0	Left Cheek	0.919	0	0.0385	0.24	-0.167	87.2	1.77	0.03	Not required
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	CDMA2000 BC0	Left Cheek	0.919	0	0.0385	0.24	-0.167	94.3	1.77	0.02	Not required
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				



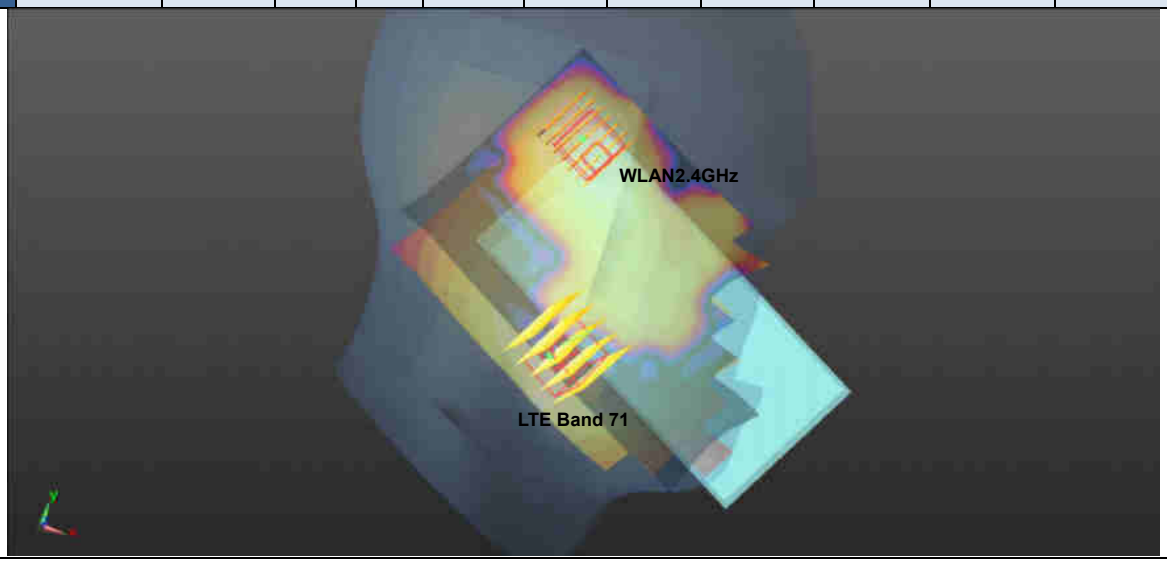
Case 4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA2000 BC10-	Left Cheek	0.864	0	0.0385	0.24	-0.167	87.2	1.75	0.03	Not required
	WLAN2.4GHz		0.886	0	0.0358	0.327	-0.173				



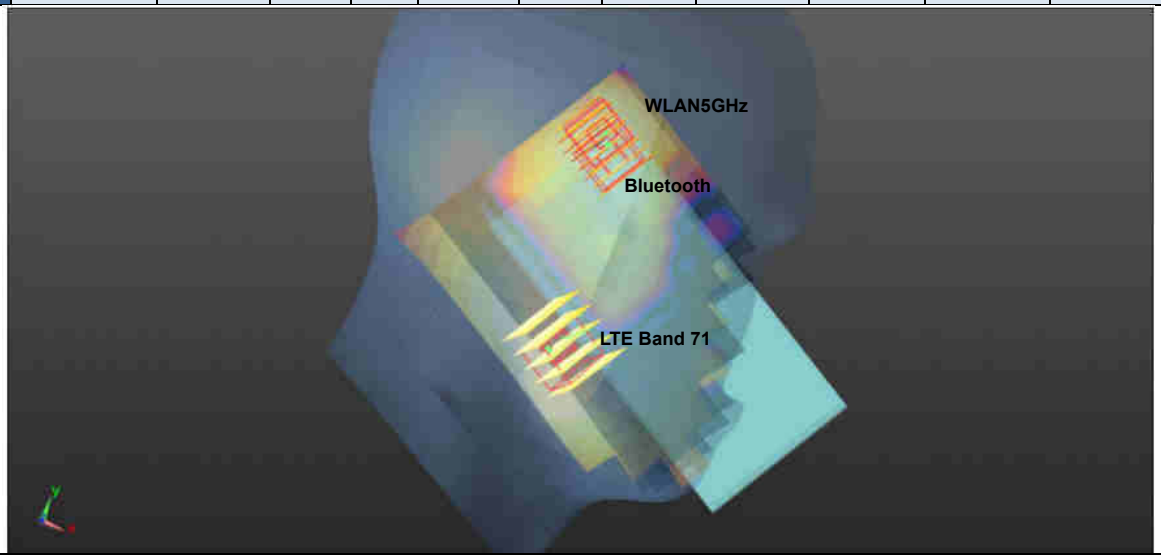
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 5	CDMA2000 BC10-	Left Cheek	0.864	0	0.0385	0.24	-0.167	87.2	1.71	0.03	Not required
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	CDMA2000 BC10-	Left Cheek	0.864	0	0.0385	0.24	-0.167	94.3	1.71	0.02	Not required
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				



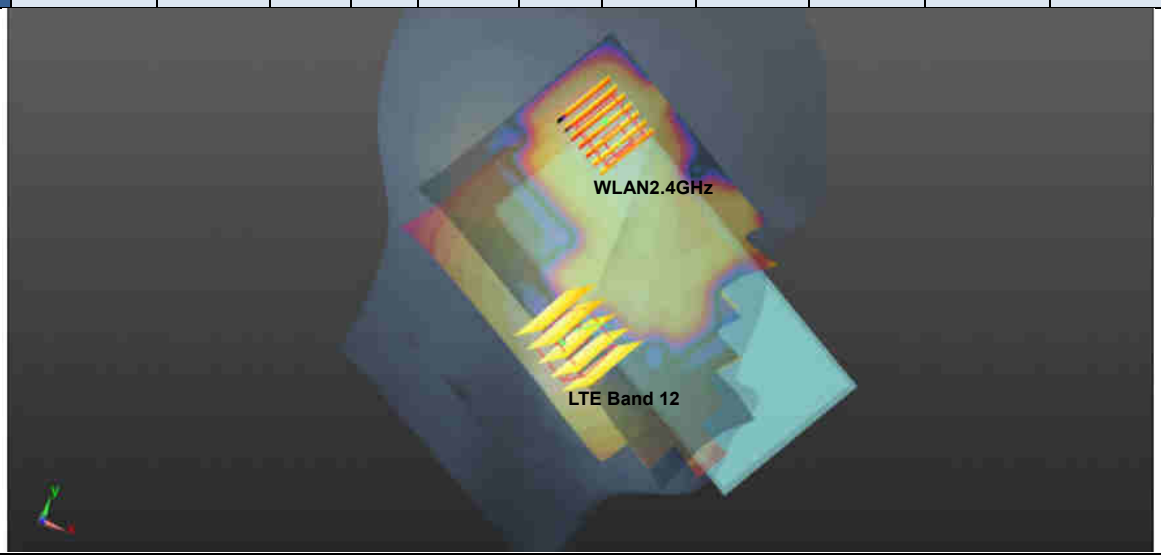
Case 6	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 71	Left Cheek	0.776	0	0.0453	0.242	-0.171	85.6	1.66	0.03	Not required
	WLAN2.4GHz		0.886	0	0.0358	0.327	-0.173				



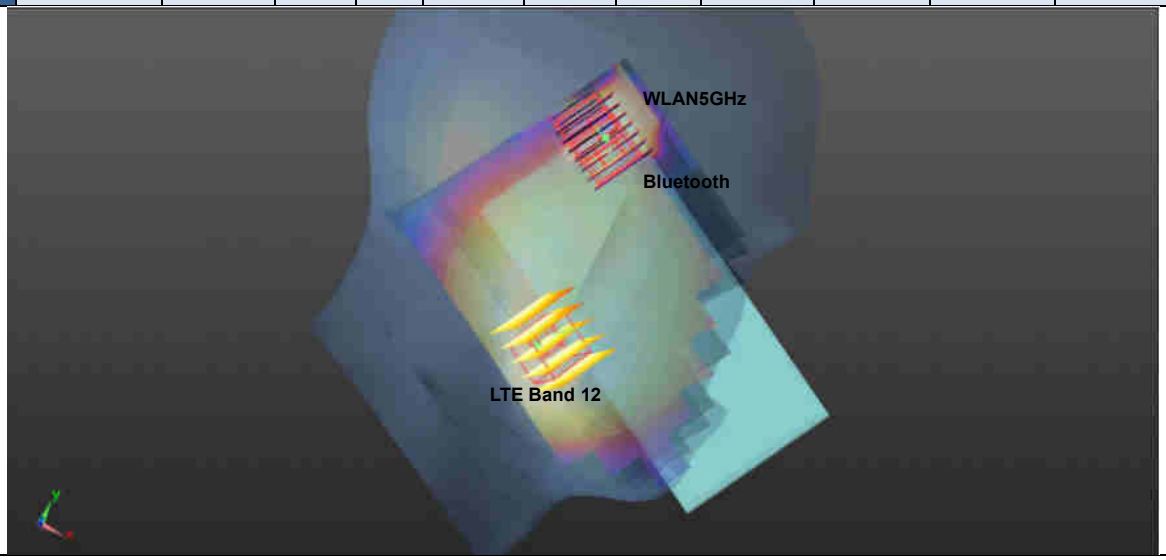
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 7	LTE Band 71	Left Cheek	0.776	0	0.0453	0.242	-0.171	85.5	1.63	0.02	Not required
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	LTE Band 71	Left Cheek	0.776	0	0.0453	0.242	-0.171	93.4	1.63	0.02	Not required
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				



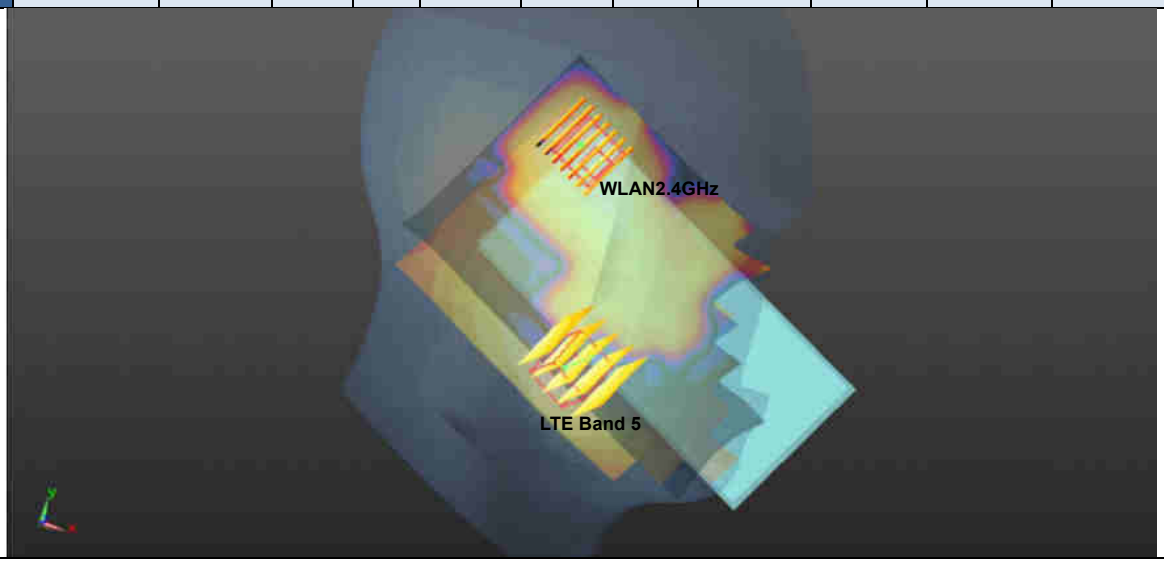
Case 8	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 12	Left Cheek	0.868	0	0.0476	0.241	-0.172	86.8	1.75	0.03	Not required
	WLAN2.4GHz		0.886	0	0.0358	0.327	-0.173				



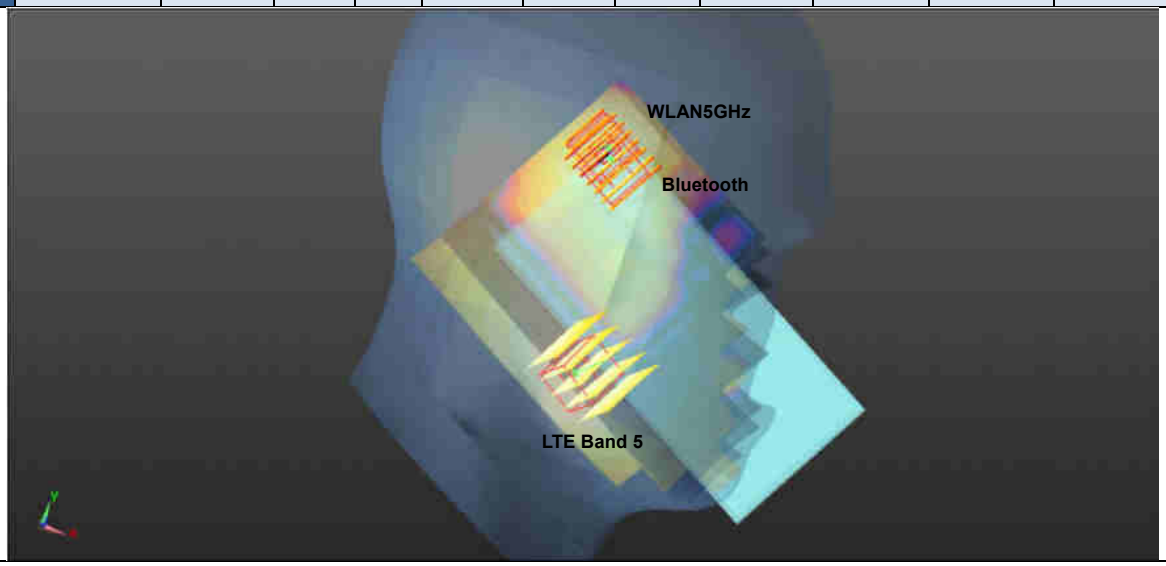
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 9	LTE Band 12	Left Cheek	0.868	0	0.0476	0.241	-0.172	86.8	1.72	0.03	Not required
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	LTE Band 12	Left Cheek	0.868	0	0.0476	0.241	-0.172	94.9	1.72	0.02	Not required
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				



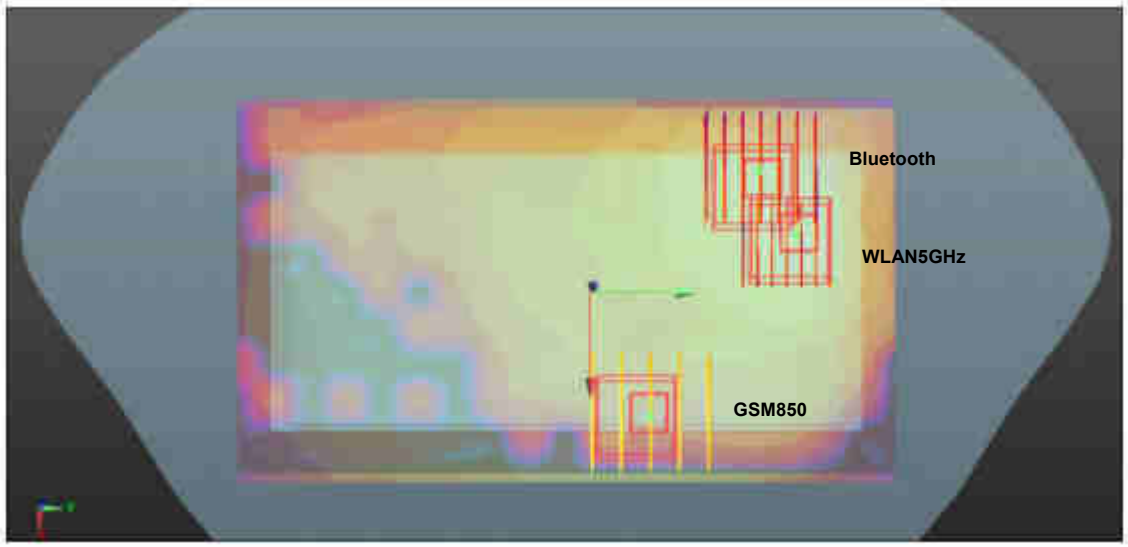
Case 10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 5	Left Cheek	0.813	0	0.0459	0.234	-0.169	93.6	1.70	0.02	Not required
	WLAN2.4GHz		0.886	0	0.0358	0.327	-0.173				



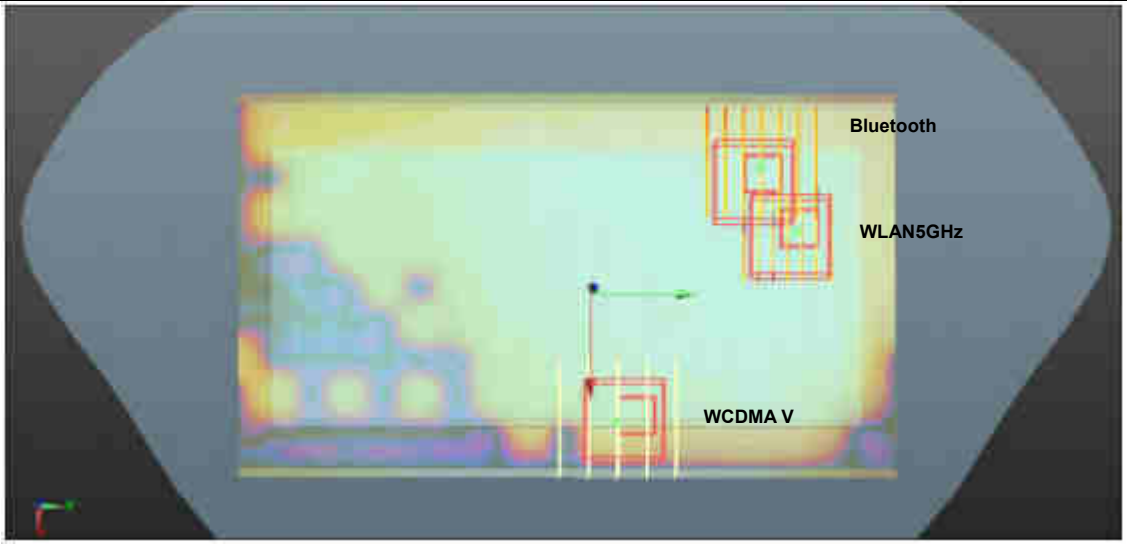
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 11	LTE Band 5	Left Cheek	0.813	0	0.0459	0.234	-0.169	93.6	1.66	0.02	Not required
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	LTE Band 5	Left Cheek	0.813	0	0.0459	0.234	-0.169	101.4	1.66	0.02	Not required
	Bluetooth		0.475	0	0.036	0.327	-0.173				
	WLAN5GHz		0.374	0	0.0245	0.333	-0.174				



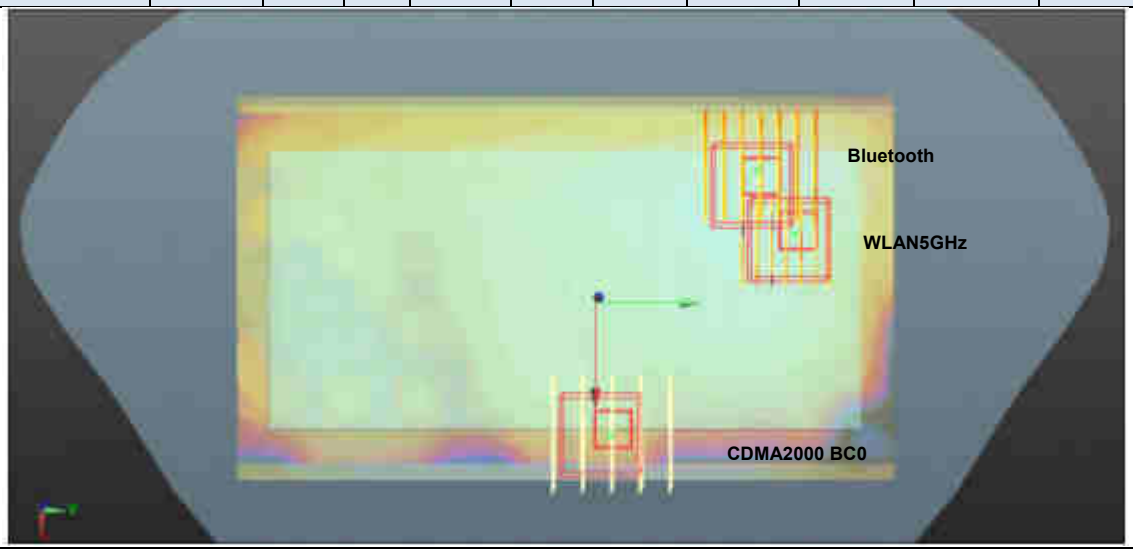
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 12	GSM850	Back	0.778	10	0.0175	0.0225	-0.205	73.4	1.67	0.03	Not required
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	GSM850	Back	0.778	10	0.0175	0.0225	-0.205	83.5	1.67	0.03	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				



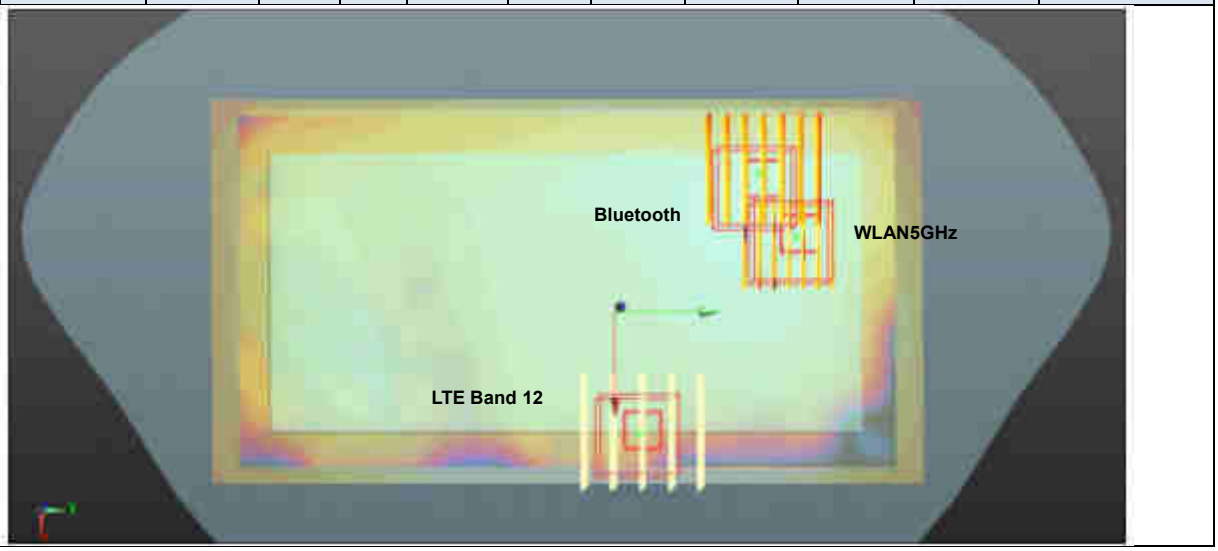
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 13	WCDMA V	Back	0.875	10	0.0205	0.0135	-0.205	80.2	1.76	0.03	Not required
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	WCDMA V	Back	0.875	10	0.0205	0.0135	-0.205	90.6	1.76	0.03	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				



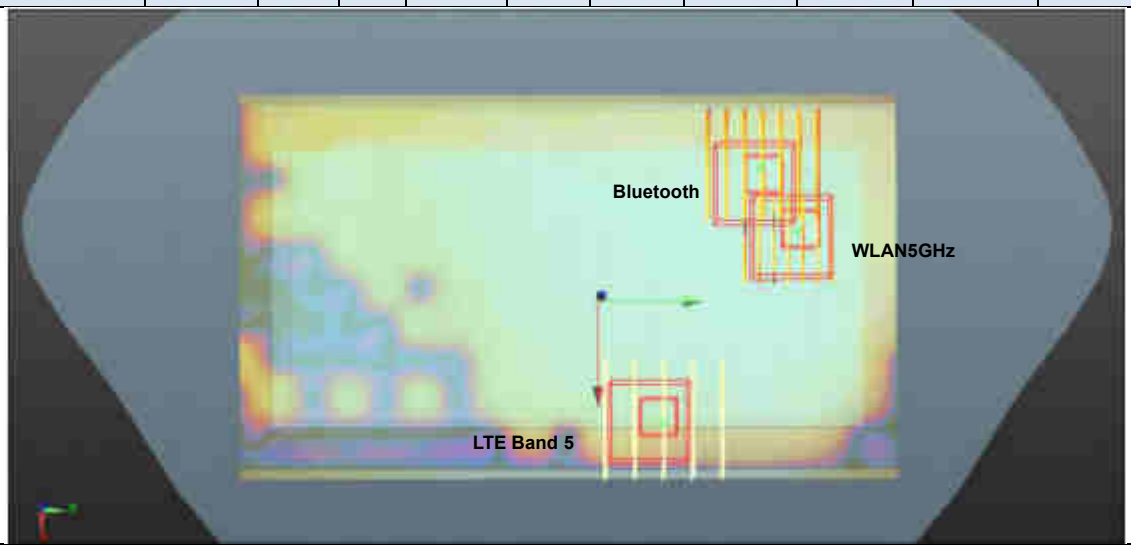
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 14	CDMA2000 BC0	Back	0.798	10	0.022	0.0195	-0.205	78.8	1.69	0.03	Not required
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	CDMA2000 BC0	Back	0.798	10	0.022	0.0195	-0.205	88.8	1.69	0.02	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				



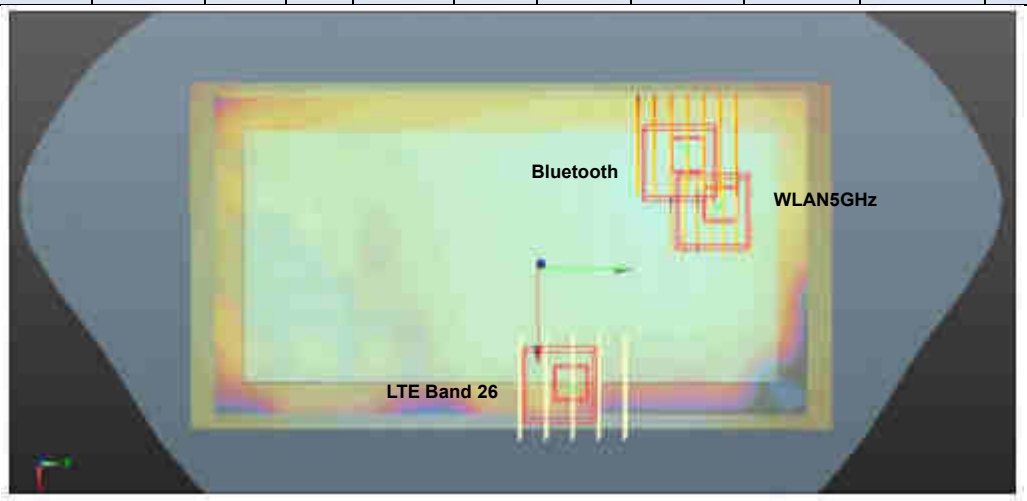
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case15	LTE Band 12	Back	0.707	10	0.022	0.0195	-0.205	78.8	1.60	0.03	Not required
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	LTE Band 12	Back	0.707	10	0.022	0.0195	-0.205	88.8	1.60	0.02	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				



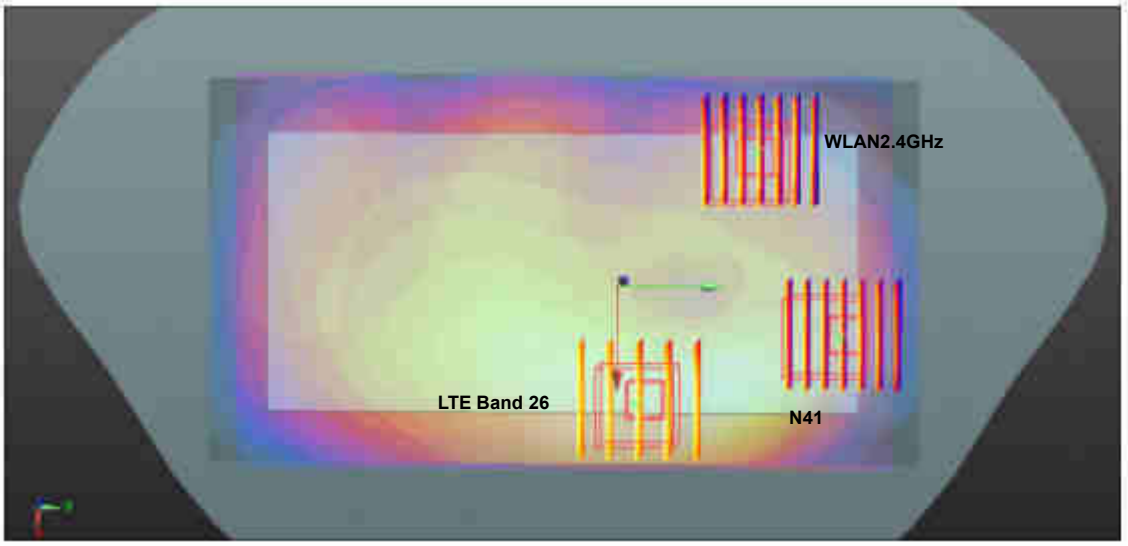
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case16	LTE Band 5	Back	0.74	10	0.0205	0.0255	-0.205	75.0	1.63	0.03	Not required
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	LTE Band 5	Back	0.74	10	0.0205	0.0255	-0.205	84.8	1.63	0.02	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				



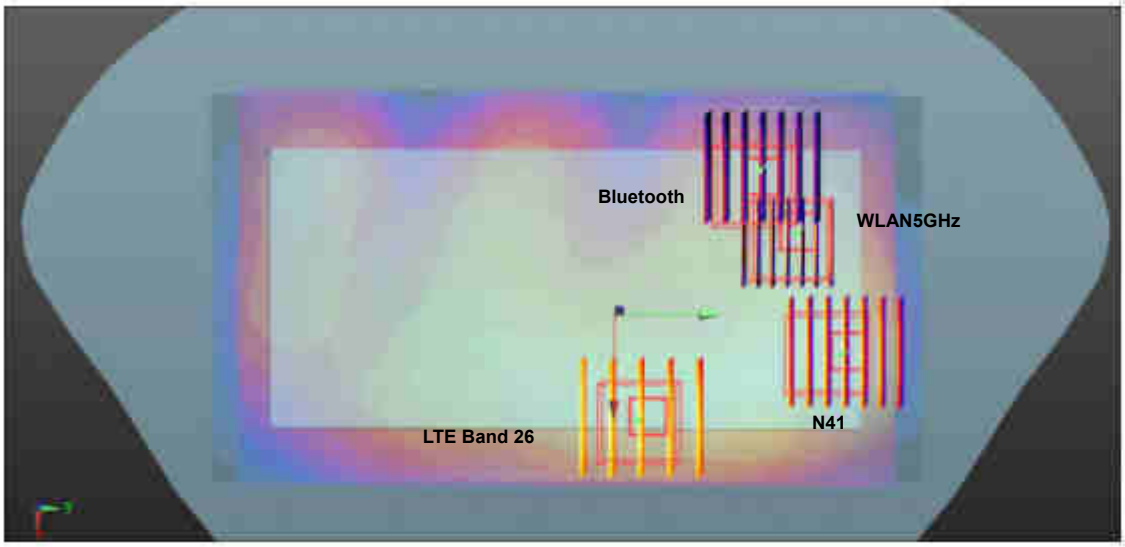
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case17	LTE Band 26	Back	0.822	10	0.0235	0.018	-0.205	80.8	1.71	0.03	Not required
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	LTE Band 26	Back	0.822	10	0.0235	0.018	-0.205	90.9	1.71	0.02	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				



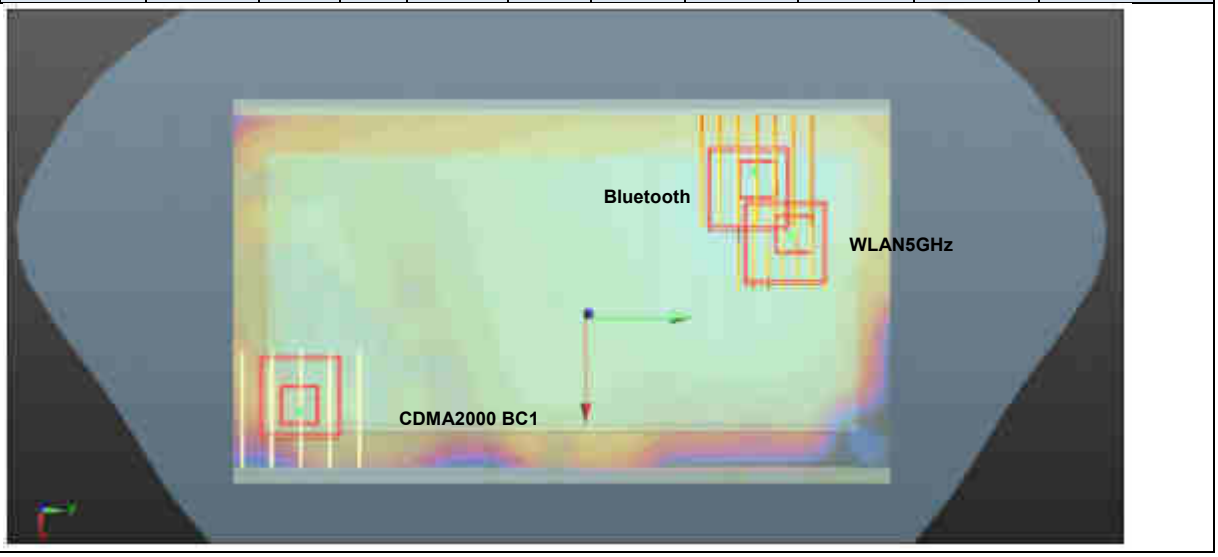
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case18	LTE Band 26	Back	0.681	10	0.0235	0.018	-0.205	61.8	1.28	0.03	Not required
	N41		0.595	10	0.001	0.0756	-0.204				
	LTE Band 26	Back	0.681	10	0.0235	0.018	-0.205	80.8	1.24	0.02	Not required
	WLAN2.4GHz		0.554	10	-0.0494	0.0528	-0.205				
	N41	Back	0.595	10	0.001	0.0756	-0.204	55.3	1.15	0.02	Not required
	WLAN2.4GHz		0.554	10	-0.0494	0.0528	-0.205				



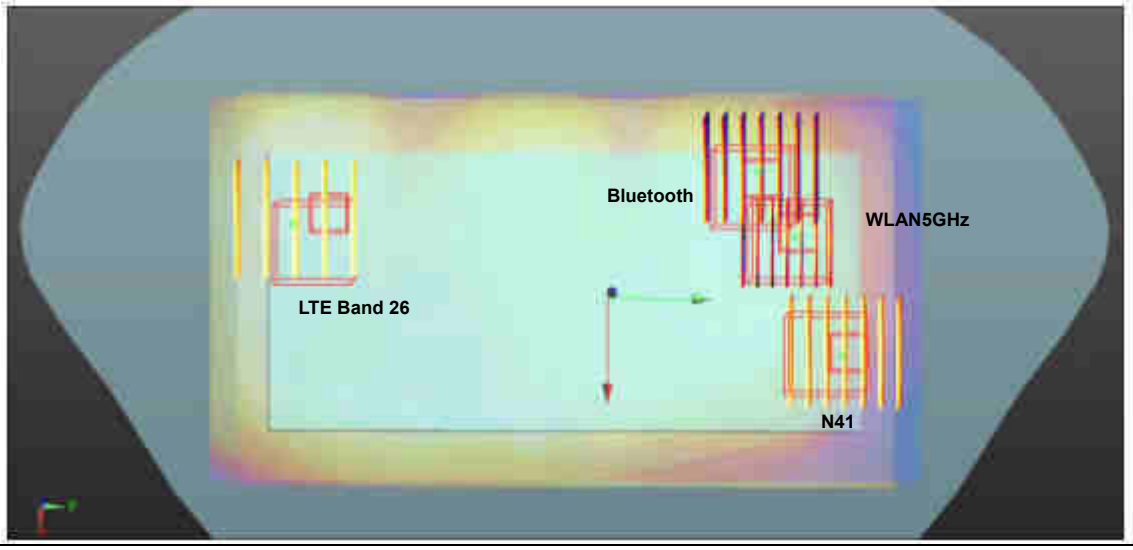
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case19	LTE Band 26	Back	0.681	10	0.0235	0.018	-0.205	61.8	1.28	0.03	Not required
	N41		0.595	10	0.001	0.0756	-0.204				
	LTE Band 26	Back	0.681	10	0.0235	0.018	-0.205	72.9	1.44	0.03	Not required
	WLAN5GHz		0.757	10	-0.033	0.064	-0.207				
	LTE Band 26	Back	0.681	10	0.0235	0.018	-0.205	80.8	0.81	0.01	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	N41	Back	0.595	10	0.001	0.0756	-0.204	55.3	0.73	0.01	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	N41	Back	0.595	10	0.001	0.0756	-0.204	36.0	1.35	0.04	Not required
	WLAN5GHz		0.757	10	-0.033	0.064	-0.207				
	Bluetooth	Back	0.131	10	-0.0494	0.0528	-0.205	20.0	0.89	0.04	Not required
	WLAN5GHz		0.757	10	-0.033	0.064	-0.207				



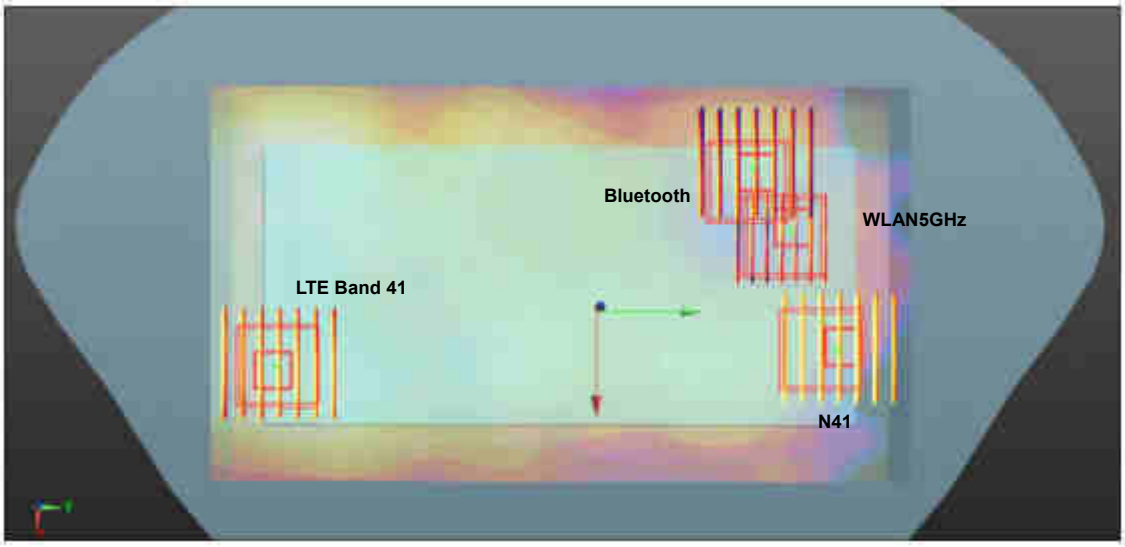
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case20	CDMA2000 BC1	Back	0.729	10	0.016	-0.072	-0.205	140.9	1.62	0.01	Not required
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	CDMA2000 BC1	Back	0.729	10	0.016	-0.072	-0.205	152.1	1.62	0.01	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	WLAN5GHz		0.757	10	-0.056	0.062	-0.207				



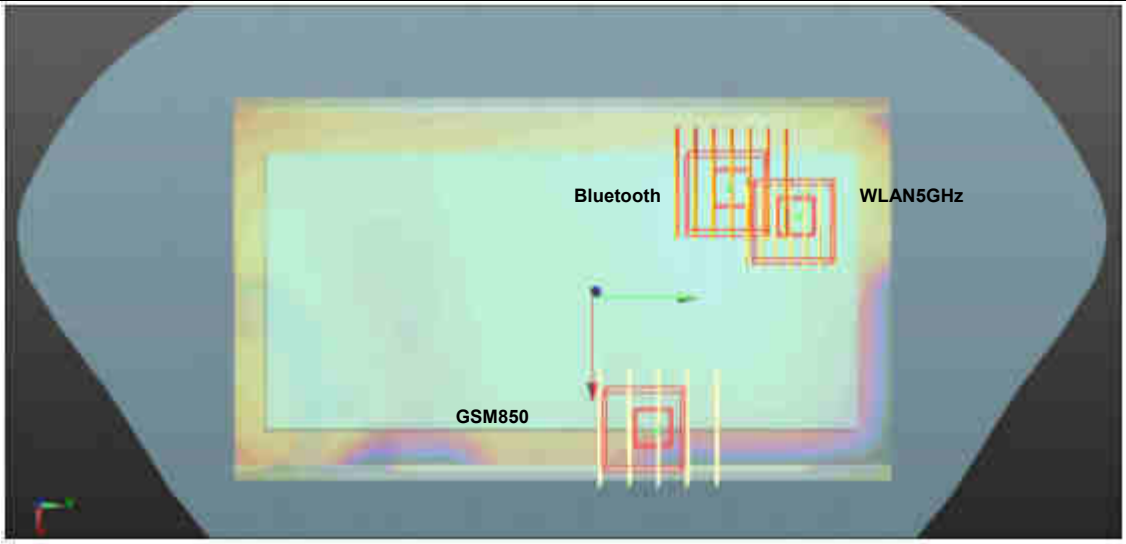
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case21	LTE Band 26	Back	0.202	10	-0.0125	0.012	-0.205	65.0	0.80	0.01	Not required
	N41		0.595	10	0.001	0.0756	-0.204				
	LTE Band 26	Back	0.202	10	-0.0125	0.012	-0.205	55.9	0.96	0.02	Not required
	WLAN5GHz		0.757	10	-0.033	0.064	-0.207				
	LTE Band 26	Back	0.202	10	-0.0125	0.012	-0.205	55.0	0.33	0.00	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	N41	Back	0.595	10	0.001	0.0756	-0.204	55.3	0.73	0.01	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	N41	Back	0.595	10	0.001	0.0756	-0.204	36.0	1.35	0.04	Not required
	WLAN5GHz		0.757	10	-0.033	0.064	-0.207				
	Bluetooth	Back	0.131	10	-0.0494	0.0528	-0.205	20.0	0.89	0.04	Not required
	WLAN5GHz		0.757	10	-0.033	0.064	-0.207				



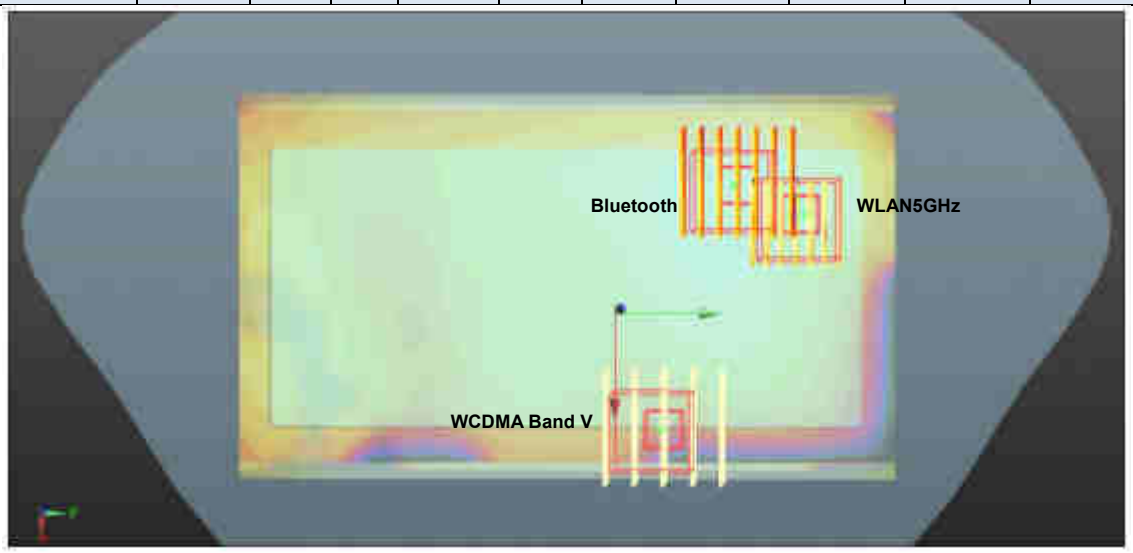
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case22	LTE Band 41	Back	0.43	10	0.0058	-0.078	-0.205	153.7	1.03	0.01	Not required
	N41		0.595	10	0.001	0.0756	-0.204				
	LTE Band 41	Back	0.43	10	0.0058	-0.078	-0.205	147.2	1.19	0.01	Not required
	WLAN5GHz		0.757	10	-0.033	0.064	-0.207				
	LTE Band 41	Back	0.43	10	0.0058	-0.078	-0.205	142.0	0.56	0.00	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	N41	Back	0.595	10	0.001	0.0756	-0.204	55.3	0.73	0.01	Not required
	Bluetooth		0.131	10	-0.0494	0.0528	-0.205				
	N41	Back	0.595	10	0.001	0.0756	-0.204	36.0	1.35	0.04	Not required
	WLAN5GHz		0.757	10	-0.033	0.064	-0.207				
	Bluetooth	Back	0.131	10	-0.0494	0.0528	-0.205	20.0	0.89	0.04	Not required
	WLAN5GHz		0.757	10	-0.033	0.064	-0.207				



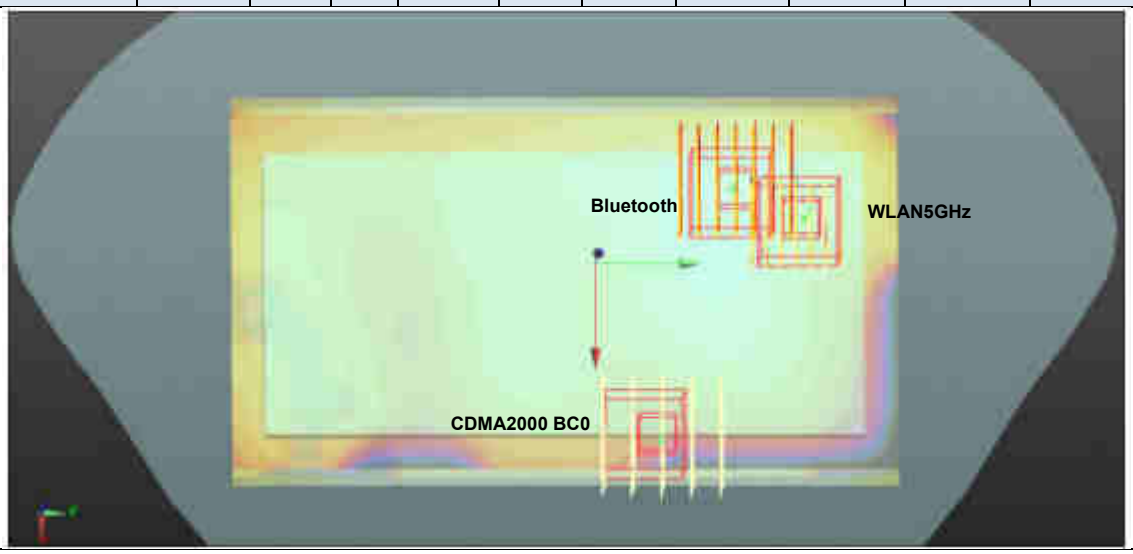
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case23	GSM850	Back	0.714	15	0.022	0.0255	-0.205	69.6	1.62	0.03	Not required
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	GSM850	Back	0.714	15	0.022	0.0255	-0.205	70.3	1.62	0.03	Not required
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				



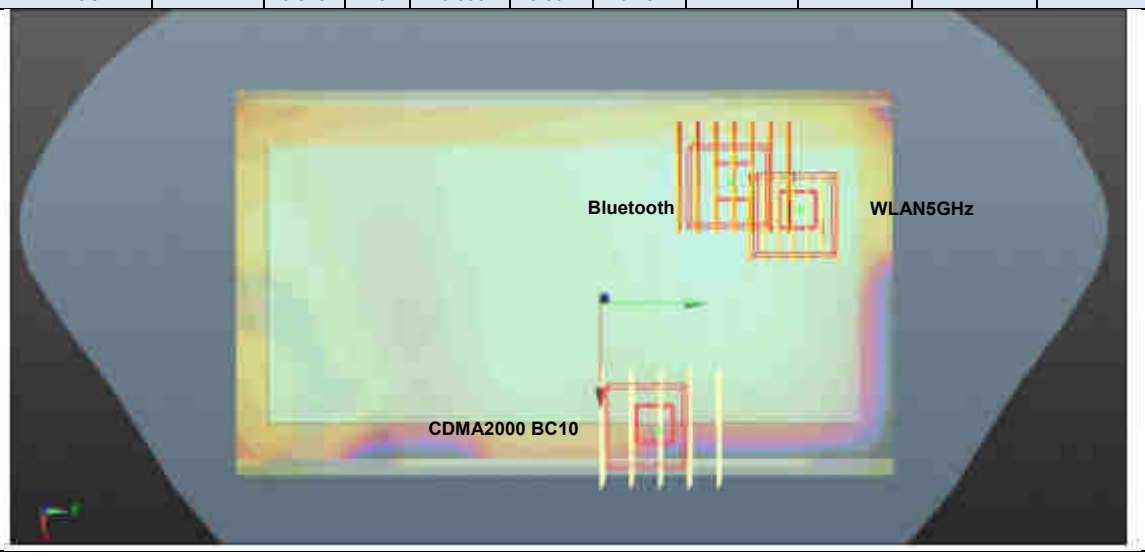
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case24	WCDMA Band V	Back	0.762	15	0.022	0.0255	-0.205	69.6	1.67	0.03	Not required
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	WCDMA Band V	Back	0.762	15	0.022	0.0255	-0.205	70.3	1.67	0.03	Not required
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				



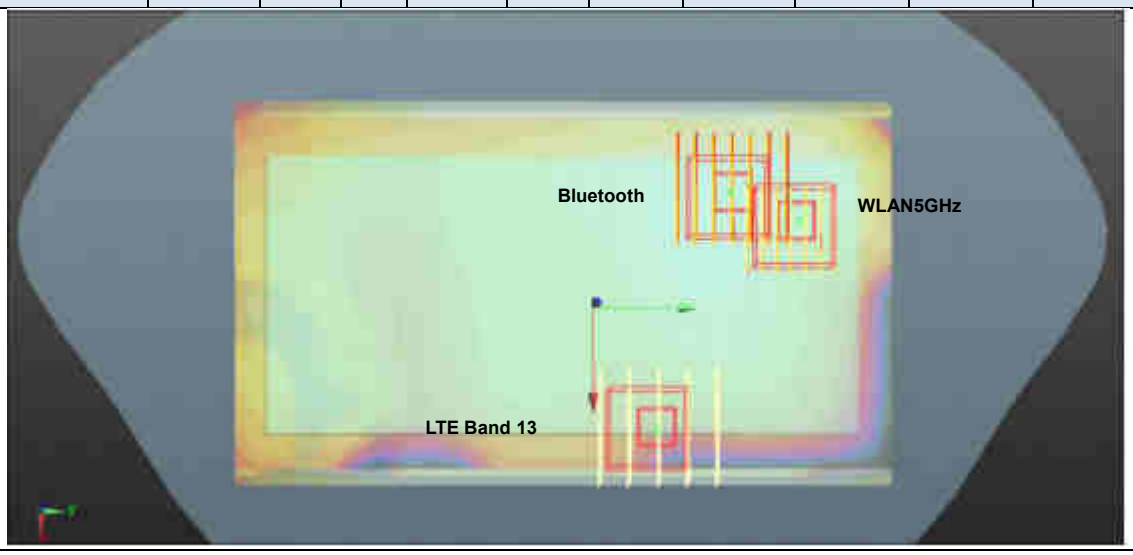
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case25	CDMA2000 BC0	Back	0.791	15	0.0235	0.0255	-0.205	71.0	1.70	0.03	Not required
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	CDMA2000 BC0	Back	0.791	15	0.0235	0.0255	-0.205	71.5	1.70	0.03	Not required
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				



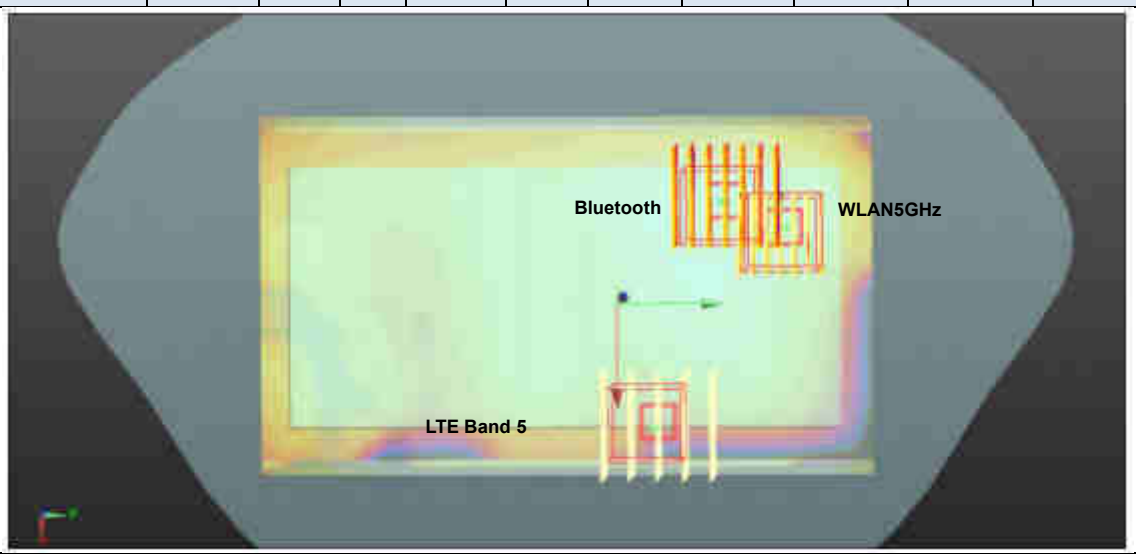
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case26	CDMA2000 BC10	Back	0.705	15	0.0235	0.0255	-0.205	71.0	1.61	0.03	Not required
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	CDMA2000 BC10	Back	0.705	15	0.0235	0.0255	-0.205	71.5	1.61	0.03	Not required
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				



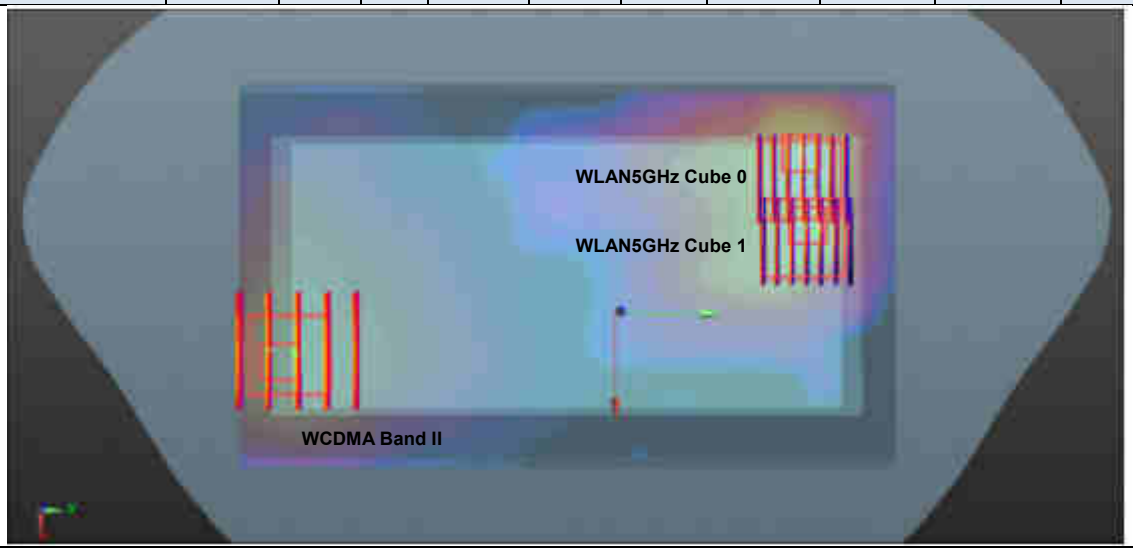
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case27	LTE Band 13	Back	0.7	15	0.0205	0.0255	-0.205	68.1	1.61	0.03	Not required
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	LTE Band 13	Back	0.7	15	0.0205	0.0255	-0.205	69.0	1.61	0.03	Not required
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				



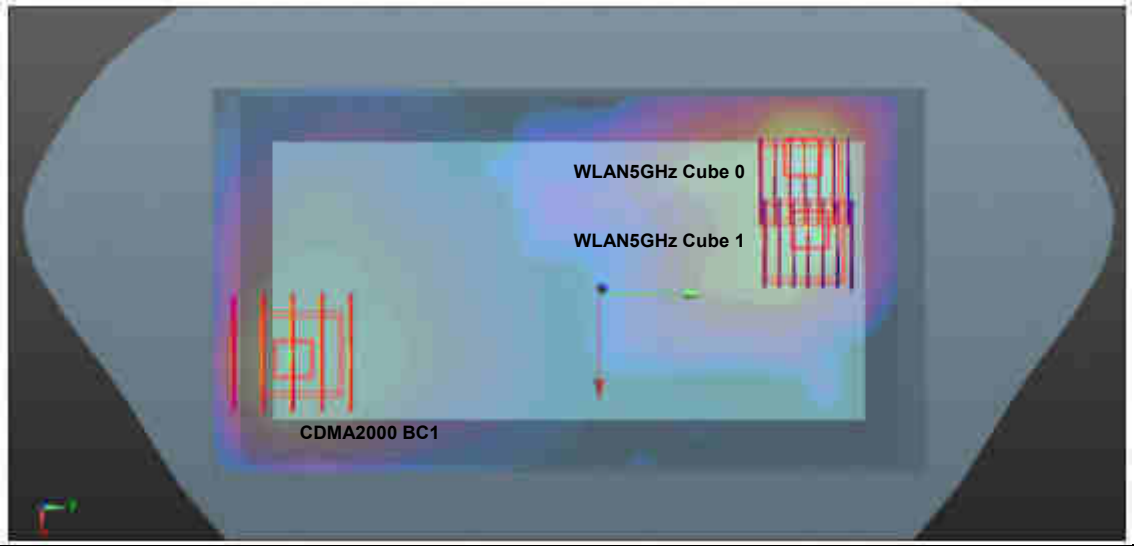
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case28	LTE Band 5	Back	0.704	15	0.022	0.0255	-0.205	69.6	1.61	0.03	Not required
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	LTE Band 5	Back	0.704	15	0.022	0.0255	-0.205	70.3	1.61	0.03	Not required
	Bluetooth		0.058	15	-0.0446	0.0456	-0.205				
	WLAN5GHz		0.849	15	-0.038	0.062	-0.207				



	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	SAR peak location (m) Y	SAR peak location (m) Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 29	WCDMA Band II	Back	2.632	0	0.004	-0.083	-0.204	157.0	4.64	0.06	Not required
	WLAN5GHz Cube 0		2.011	0	-0.051	0.064	-0.206				
	WCDMA Band II	Back	2.632	0	0.004	-0.083	-0.204	155.0	4.11	0.05	Not required
	WLAN5GHz Cube 1		1.479	0	-0.031	0.068	-0.206				



	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 30	CDMA2000 BC1	Back	3.02	0	0.004	-0.0765	-0.204	150.9	5.03	0.07	Not required
	WLAN5GHz Cube 0		2.011	0	-0.051	0.064	-0.206				
	CDMA2000 BC1	Back	3.02	0	0.004	-0.0765	-0.204	148.7	4.50	0.06	Not required
	WLAN5GHz Cube 1		1.479	0	-0.031	0.068	-0.206				



16. Supplemental tuner tests results

General Note:

1. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
2. To evaluate all of the tuner states, the 112 tuner states are divided evenly among band for WWAN UAT/LAT for GSM850, UMTS B5, CDMA BC0 /BC10 and LTE B5/B12/B13/B26/B71, the 96 tuner states are divided evenly among band for WWAN LAT for GSM1900, UMTS B2/B4, CDMA BC1 and LTE B2/B4/B7/B25/B30/B38/B41/B66, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
3. The device supports LTE B12/B17, B2/B25 and B4/B66. Since the supported frequency span for LTE B17/B2/B4 falls completely within the supported frequency span for LTE B12/B25/B66, and both bands have the same target power and both LTE bands share the same transmission path, therefore standalone SAR was only assessed for LTE B12/B25/B66. The single point SAR time-sweep measurements were treated independently for each supported ACL frequency band.
4. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
5. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

16.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix C.

17. Uncertainty Assessment

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

18. References

[1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”

[2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992

[3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013

[4] SPEAG DASY System Handbook

[5] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.

[6] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

[7] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.

[8] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015

[9] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015

[10] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015

[11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.

[12] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.

[13] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.

Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_Head_750MHz

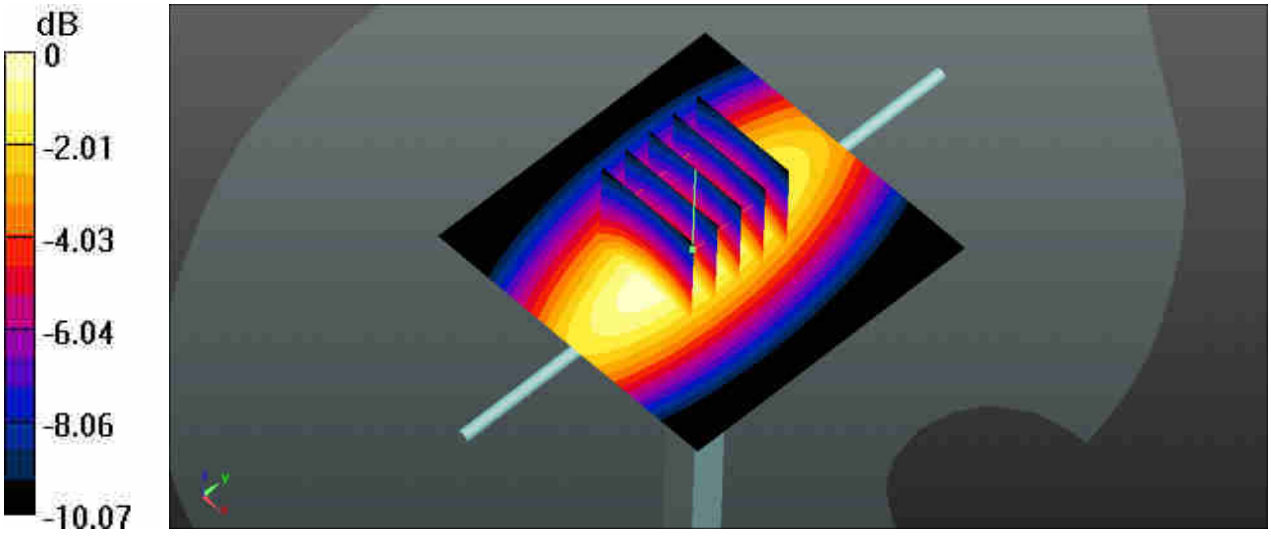
DUT: D750V3-SN:1099

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750_190505 Medium parameters used: f = 750 MHz; σ = 0.886 S/m; ε_r = 41.532; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.59, 6.59, 6.59); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.77 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.43 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.26 W/kg
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.45 W/kg
Maximum value of SAR (measured) = 2.76 W/kg



0 dB = 2.76 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019.05.03

System Check_Head_835MHz

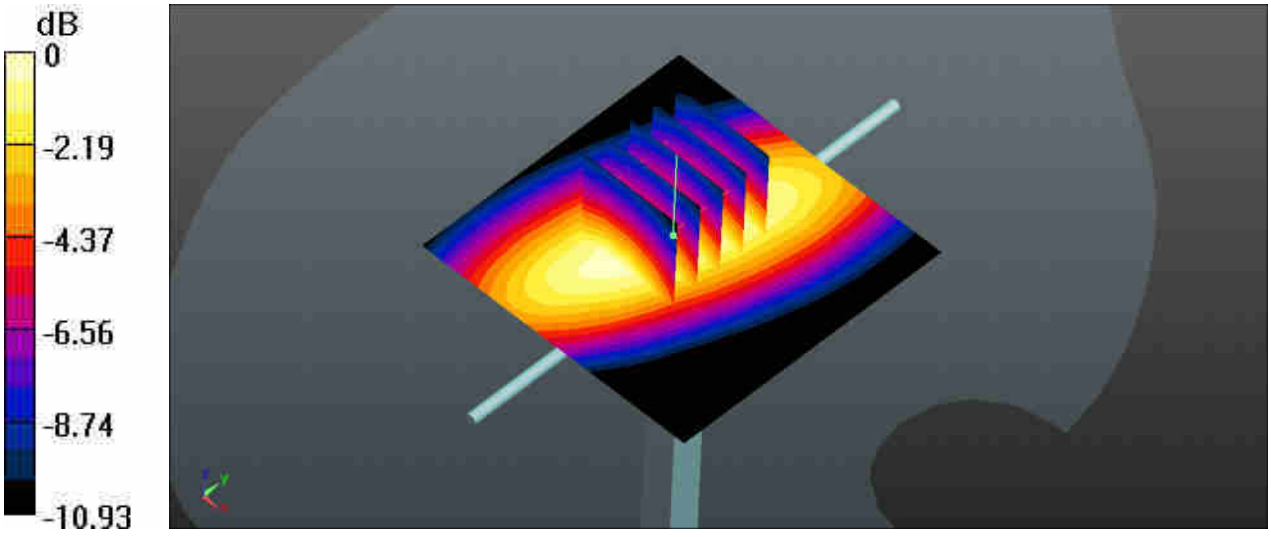
DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835_190503 Medium parameters used: f = 835 MHz; σ = 0.929 S/m; ε_r = 41.793; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.70 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.01 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 3.12 W/kg
SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.6 W/kg
Maximum value of SAR (measured) = 2.68 W/kg



0 dB = 2.68 W/kg

System Check_Head_1750MHz

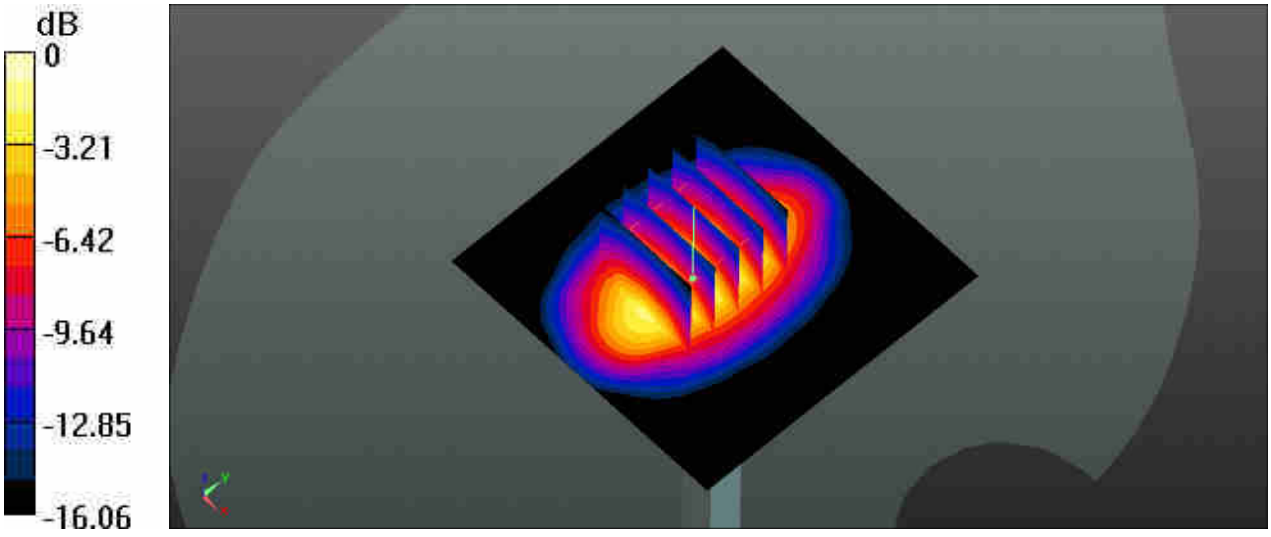
DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190508 Medium parameters used: f = 1750 MHz; σ = 1.385 S/m; ε_r = 39.563; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(5.51, 5.51, 5.51); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 12.5 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 92.39 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 15.2 W/kg
SAR(1 g) = 8.75 W/kg; SAR(10 g) = 4.74 W/kg
Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg

System Check_Head_1900MHz

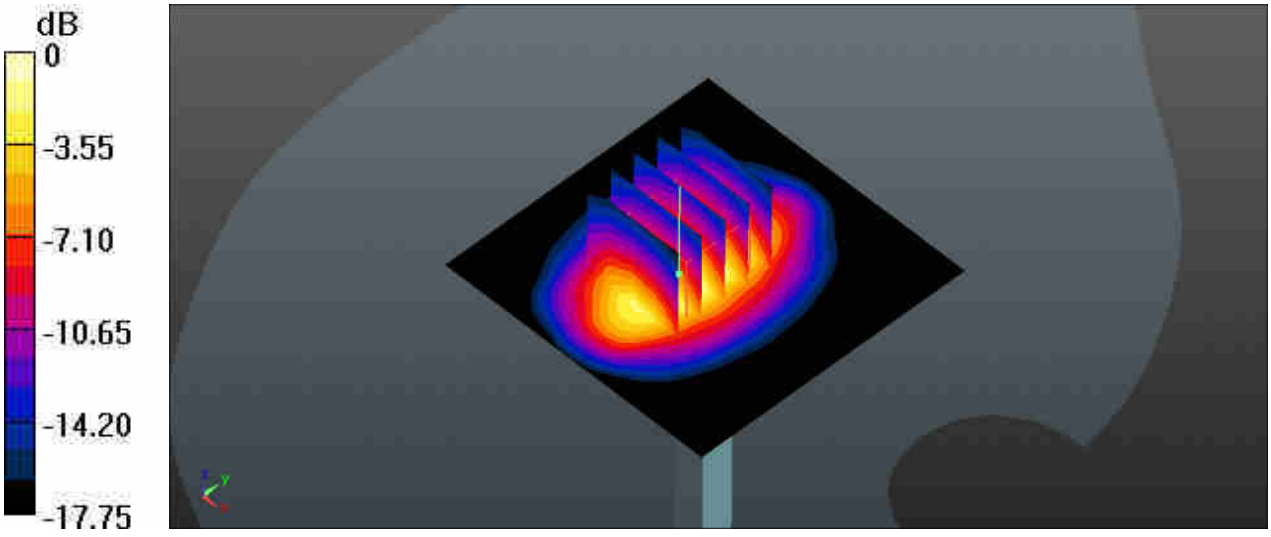
DUT: D1900V2-SN:5d182

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190507 Medium parameters used: f = 1900 MHz; σ = 1.389 S/m; ε_r = 38.201; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(5.28, 5.28, 5.28); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 13.8 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 96.08 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 17.0 W/kg
SAR(1 g) = 9.43 W/kg; SAR(10 g) = 4.92 W/kg
Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg

System Check_Head_2300MHz

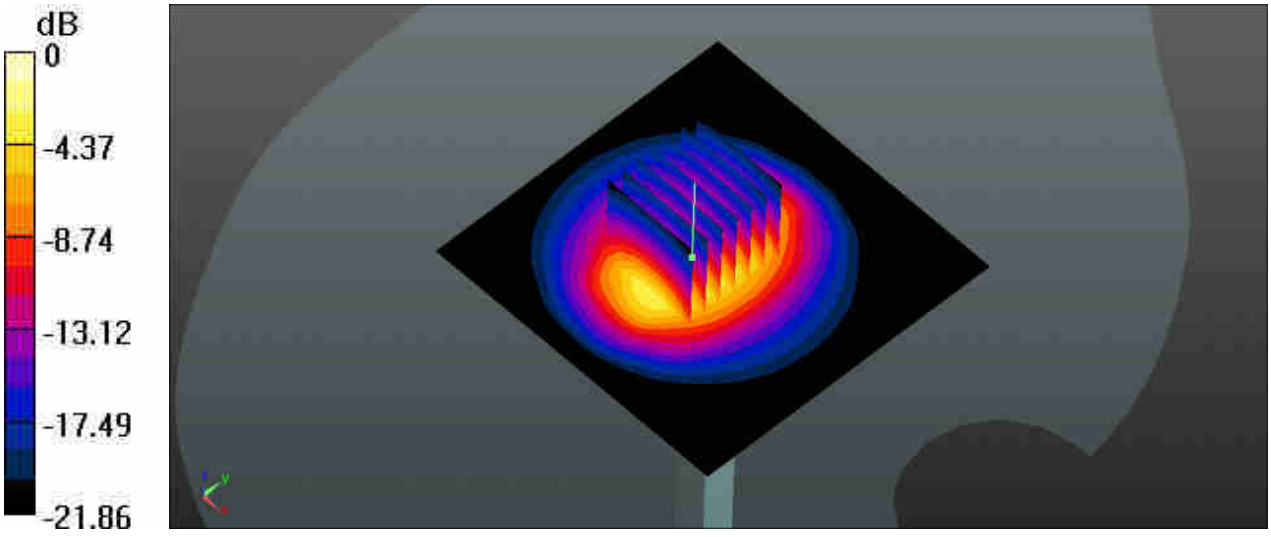
DUT: D2300V2-SN:1056

Communication System: UID 0, CW (0); Frequency: 2300 MHz;Duty Cycle: 1:1
Medium: HSL_2300_190509 Medium parameters used: f = 2300 MHz; σ = 1.733 S/m; ε_r = 37.846; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(4.85, 4.85, 4.85); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 20.4 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 104.5 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 28.2 W/kg
SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.13 W/kg
Maximum value of SAR (measured) = 20.6 W/kg



0 dB = 20.6 W/kg

System Check_Head_2450MHz

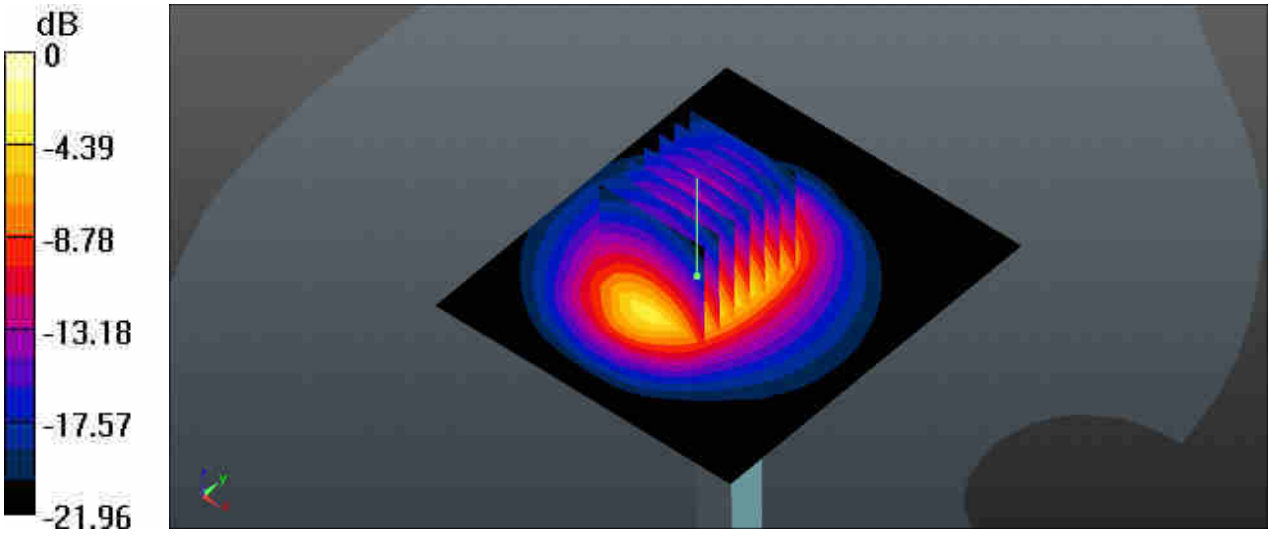
DUT: D2450V2-SN:736

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450_190510 Medium parameters used: f = 2450 MHz; σ = 1.856 S/m; ε_r = 38.095; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (71x81x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 23.7 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 83.31 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 31.5 W/kg
SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.57 W/kg
Maximum value of SAR (measured) = 23.6 W/kg



0 dB = 23.6 W/kg

System Check_Head_2600MHz

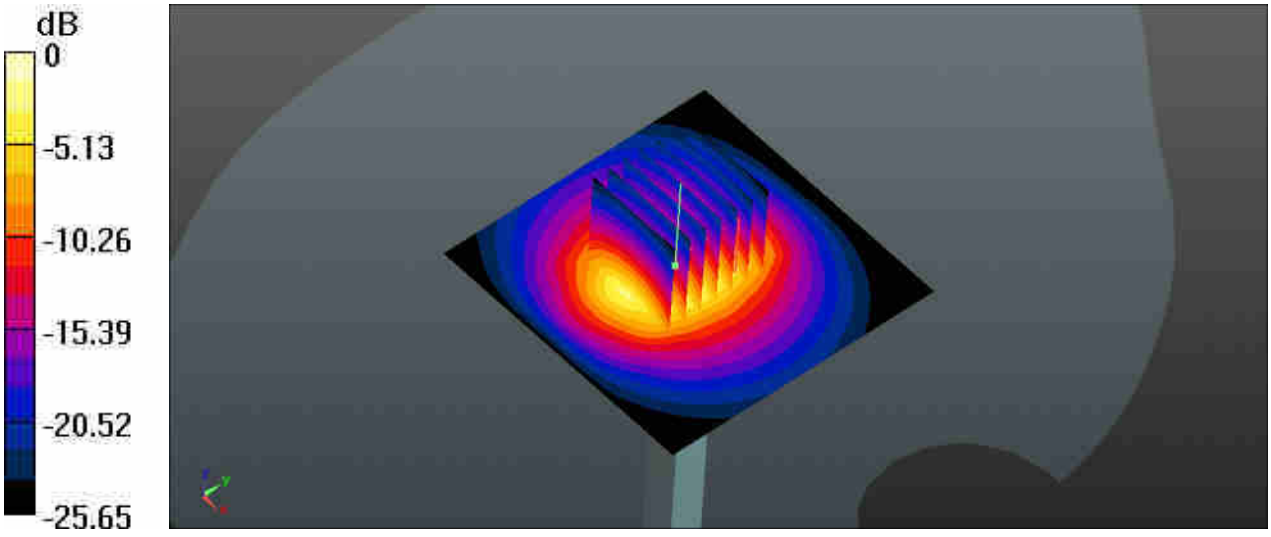
DUT: D2600V2-SN:1070

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL_2600_190509 Medium parameters used: f = 2600 MHz; σ = 2.022 S/m; ε_r = 37.458; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(4.47, 4.47, 4.47); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 24.3 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 104.1 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 34.6 W/kg
SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.43 W/kg
Maximum value of SAR (measured) = 24.0 W/kg



0 dB = 24.0 W/kg

System Check_Head_5250MHz

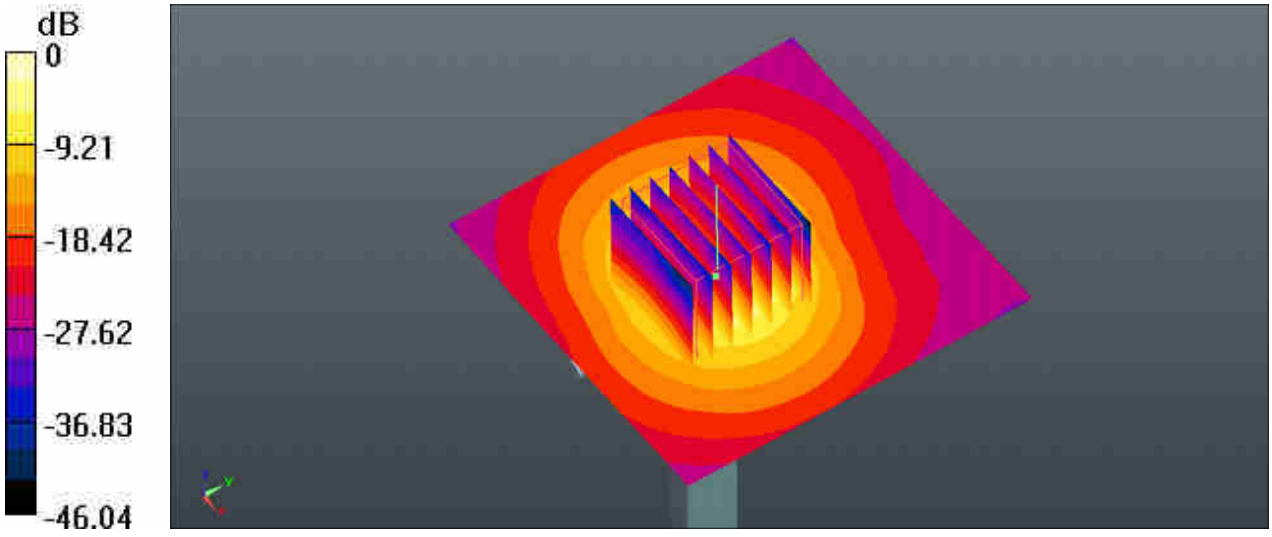
DUT: D5GHzV2-SN:1167

Communication System: UID 0, CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: HSL_5250_190514 Medium parameters used: f = 5250 MHz; σ = 4.502 S/m; ε_r = 36.983; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(5.07, 5.07, 5.07); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.1 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 58.51 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 7.09 W/kg; SAR(10 g) = 2.05W/kg
Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 16.1 W/kg

System Check_Head_5600MHz

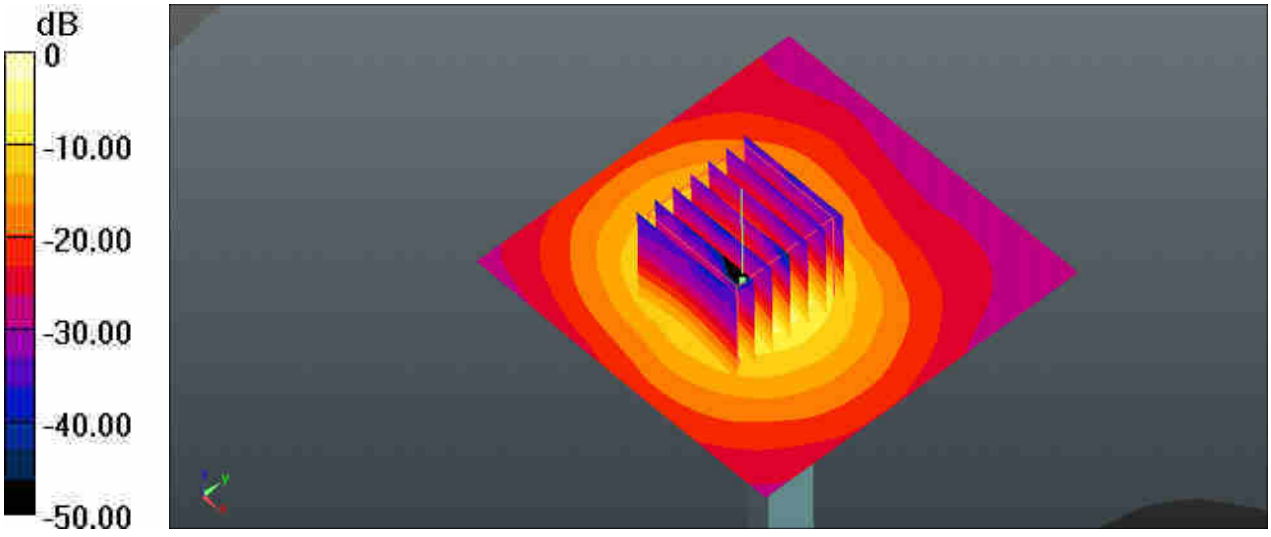
DUT: D5GHzV2-SN:1167

Communication System: UID 0, CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: HSL_5600_190514 Medium parameters used: f = 5600 MHz; σ = 4.85 S/m; ε_r = 36.497; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.7, 4.7, 4.7); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 18.5 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 56.17 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 34.6 W/kg
SAR(1 g) = 7.77 W/kg; SAR(10 g) = 2.15W/kg
Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 18.5 W/kg

System Check_Head_5750MHz

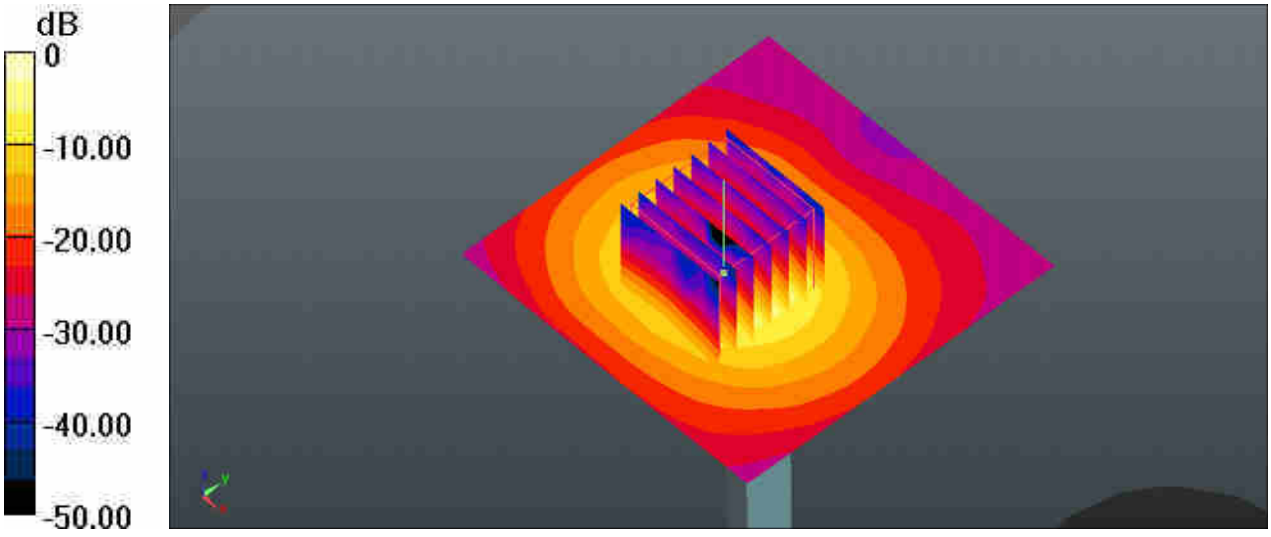
DUT: D5GHzV2-SN:1167

Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: HSL_5750_190514 Medium parameters used: f = 5750 MHz; σ = 5.013 S/m; ε_r = 36.309; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.77, 4.77, 4.77); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.2 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 56.51 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 7.09W/kg; SAR(10 g) = 2.04 W/kg
Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 17.2 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019.05.04

System Check_Body_750MHz

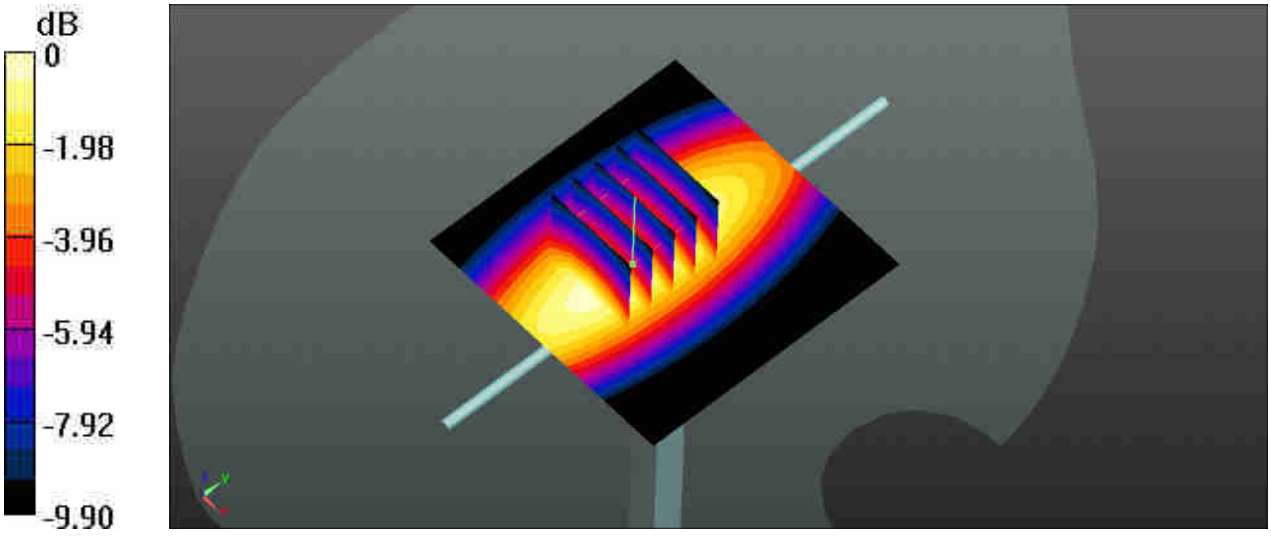
DUT: D750V3-SN:1099

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium: MSL_750_190504 Medium parameters used: f = 750 MHz; σ = 0.97 S/m; ε_r = 54.646; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.60 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 50.62 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 3.08 W/kg
SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.4 W/kg
Maximum value of SAR (measured) = 2.64 W/kg



0 dB = 2.64 W/kg

System Check_Body_835MHz

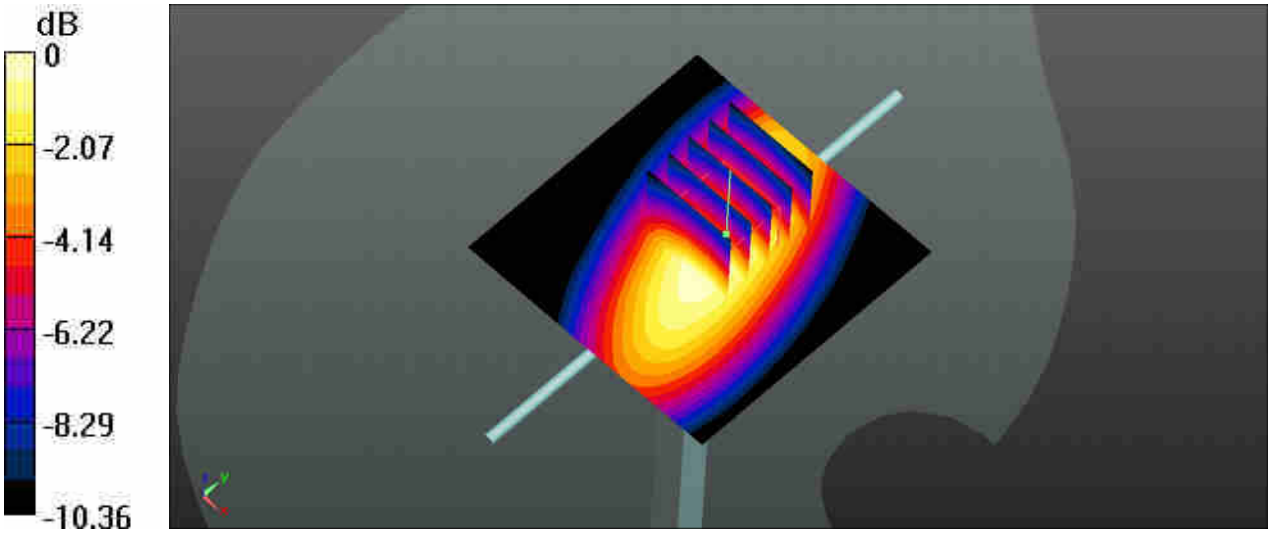
DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_190501 Medium parameters used: f = 835 MHz; σ = 0.994 S/m; ε_r = 54.578; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.17, 6.17, 6.17); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.89 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.22 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 3.34 W/kg
SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.54 W/kg
Maximum value of SAR (measured) = 2.85 W/kg



0 dB = 2.85 W/kg

System Check_Body_835MHz

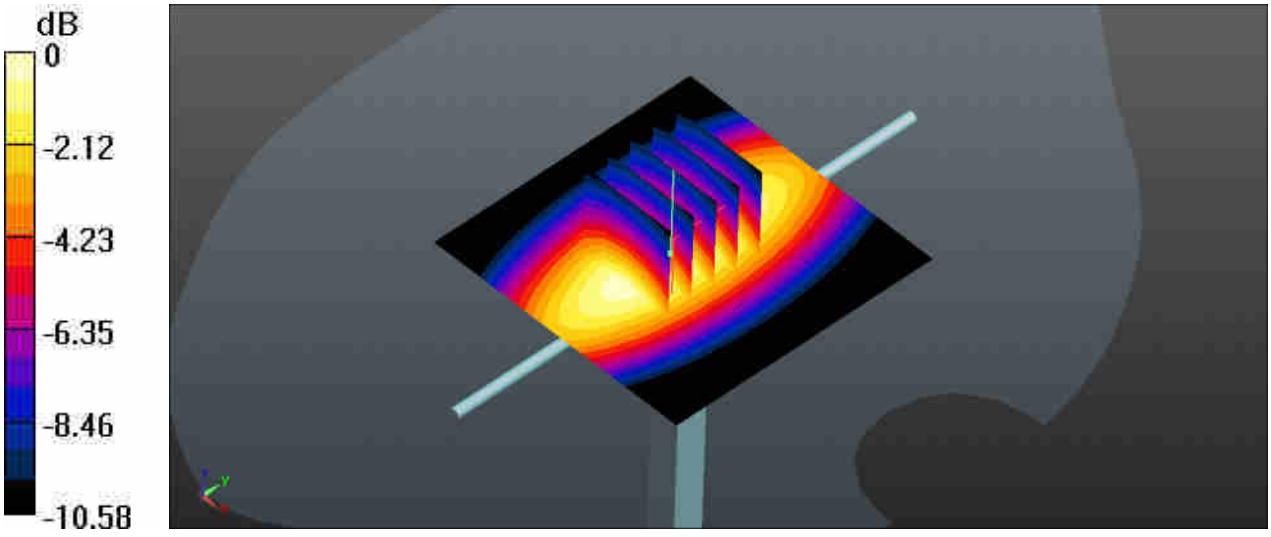
DUT: D835V2-SN:4d162

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_190606 Medium parameters used: f = 835 MHz; σ = 0.972 S/m; ε_r = 53.975; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.17, 6.17, 6.17); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 3.09 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.31 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 3.54 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.58 W/kg
Maximum value of SAR (measured) = 3.05 W/kg



0 dB = 3.05 W/kg

System Check_Body_1750MHz

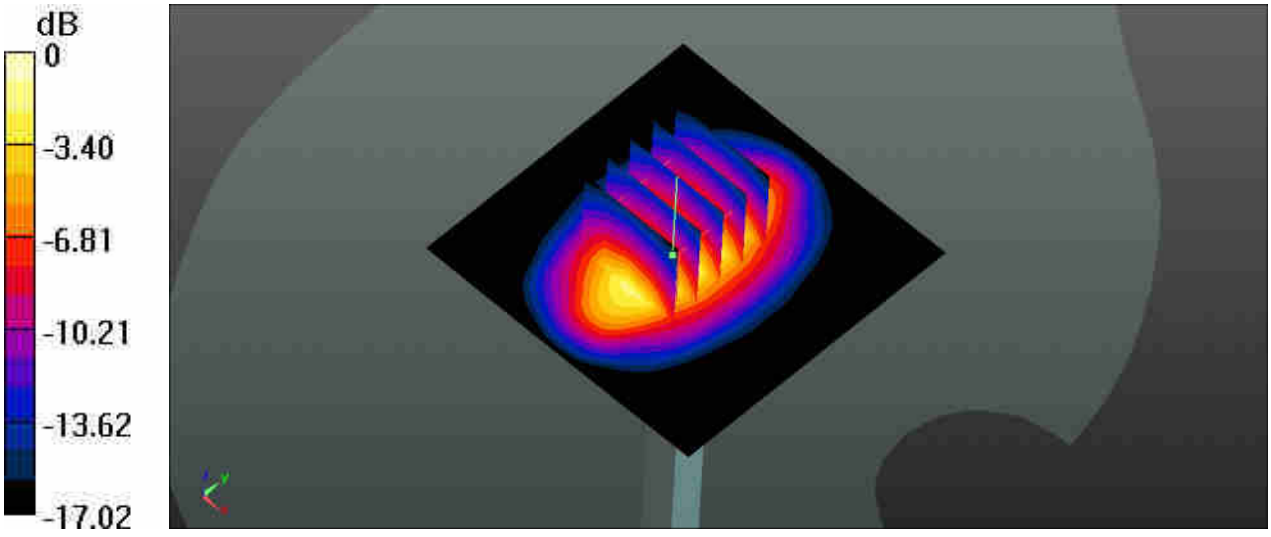
DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: MSL_1750_190429 Medium parameters used: f = 1750 MHz; σ = 1.526 S/m; ε_r = 52.281; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(5.2, 5.2, 5.2); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 13.3 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 94.19 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 9.39 W/kg; SAR(10 g) = 4.94 W/kg
Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg

System Check_Body_1900MHz

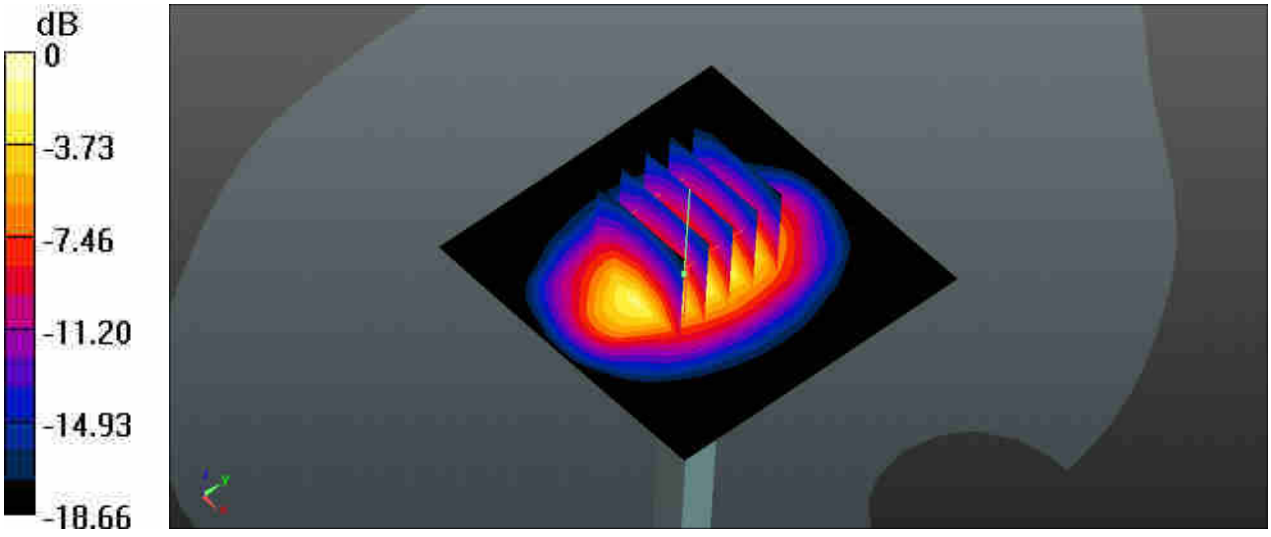
DUT: D1900V2-SN:5d182

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_190430 Medium parameters used: f = 1900 MHz; σ = 1.563 S/m; ε_r = 55.238; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(4.94, 4.94, 4.94); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 14.7 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 85.17 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 10 W/kg; SAR(10 g) = 5.1 W/kg
Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019.05.02

System Check_Body_2300MHz

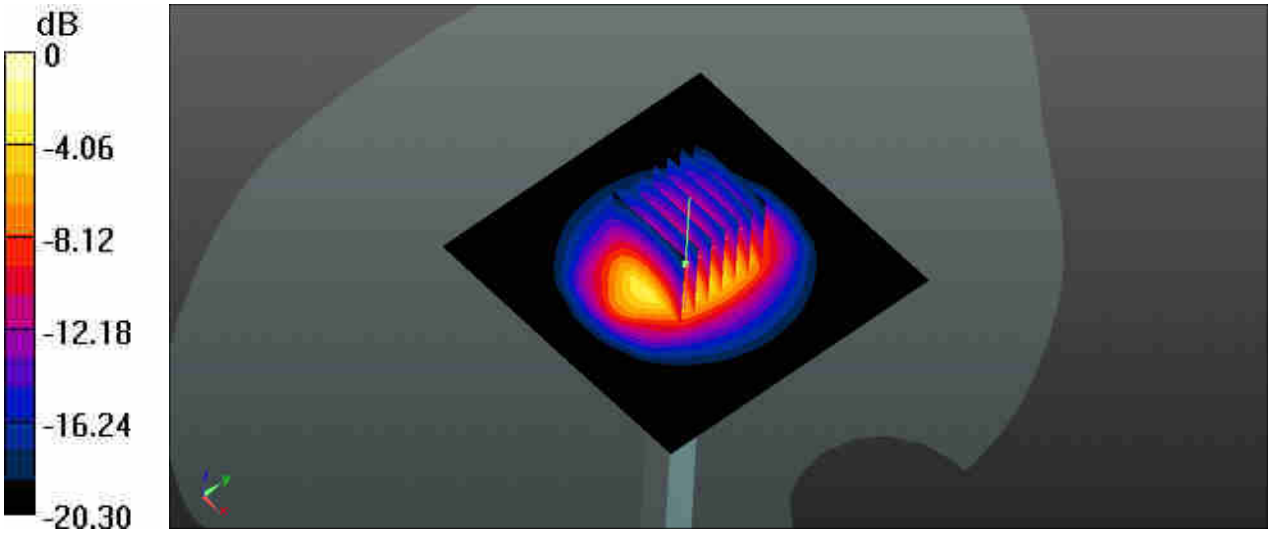
DUT: D2300V2-SN:1056

Communication System: UID 0, CW ; Frequency: 2300 MHz;Duty Cycle: 1:1
Medium: MSL_2300_190502 Medium parameters used: f = 2300 MHz; σ = 1.86 S/m; ε_r = 51.67; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(4.72, 4.72, 4.72); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 17.9 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.04 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 24.4 W/kg
SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.91 W/kg
Maximum value of SAR (measured) = 18.5 W/kg



0 dB = 18.5 W/kg

System Check_Body_2450MHz

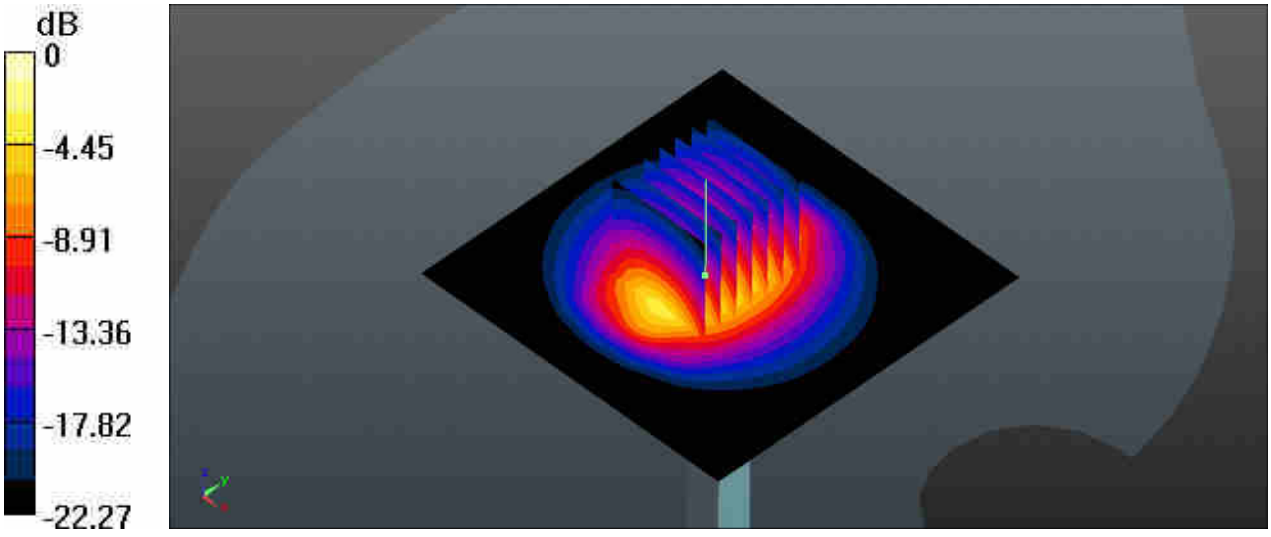
DUT: D2450V2-SN:736

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_190511 Medium parameters used: f = 2450 MHz; σ = 1.991 S/m; ε_r = 52.313; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.32, 7.32, 7.32); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 23.5 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.06 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 30.7 W/kg
SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.57 W/kg
Maximum value of SAR (measured) = 23.3 W/kg



0 dB = 23.3 W/kg

System Check_Body_2600MHz

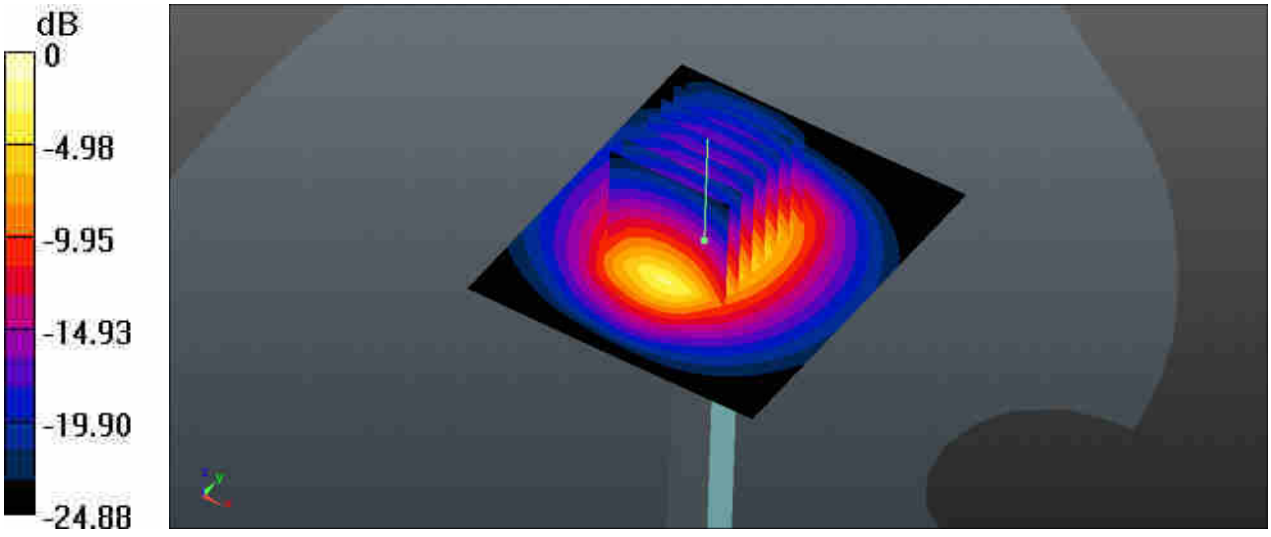
DUT: D2600V2-SN:1070

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: MSL_2600_190506 Medium parameters used: f = 2600 MHz; σ = 2.239 S/m; ε_r = 50.881; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(4.38, 4.38, 4.38); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x71x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 21.8 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.82 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 29.3 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.78 W/kg
Maximum value of SAR (measured) = 20.8 W/kg



0 dB = 20.8 W/kg

System Check_Body_5250MHz

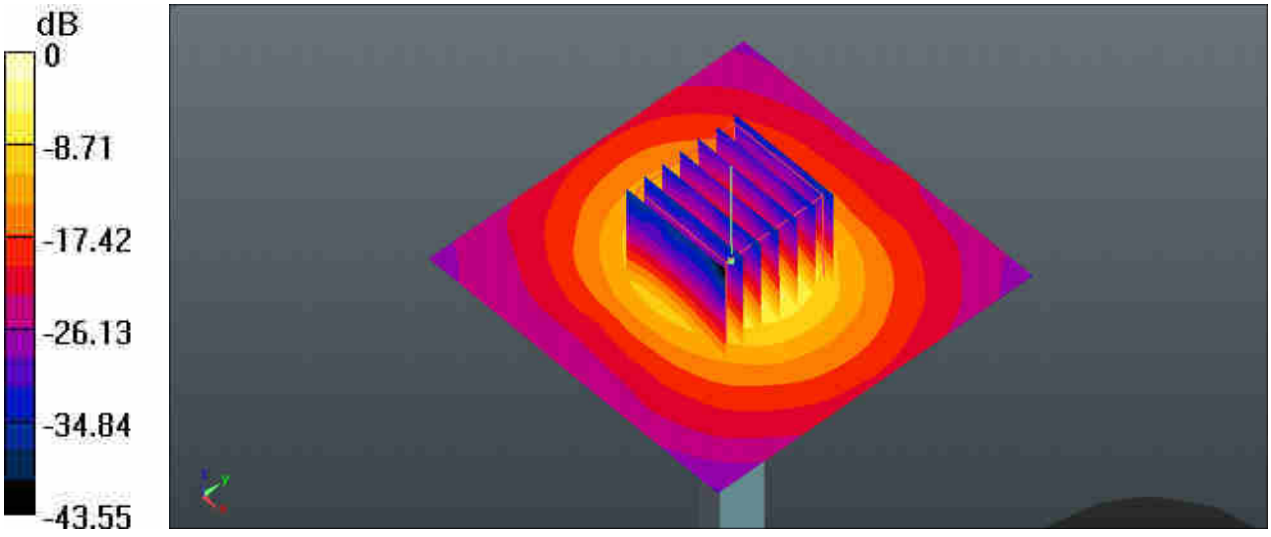
DUT: D5GHzV2-SN:1167

Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: MSL_5250_190512 Medium parameters used: f = 5250 MHz; σ = 5.423 S/m; ε_r = 47.707; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.46, 4.46, 4.46); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.8 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 52.46 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 7.49 W/kg; SAR(10 g) = 2.05 W/kg
Maximum value of SAR (measured) = 18.4 W/kg



0 dB = 17.8 W/kg

System Check_Body_5600MHz

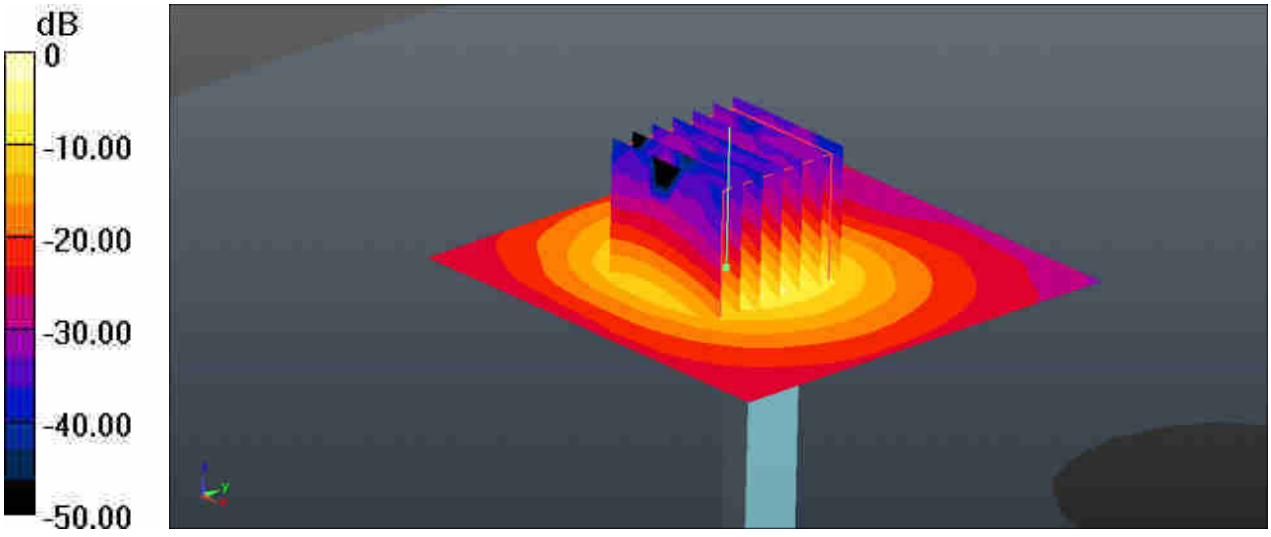
DUT: D5GHzV2-SN:1167-5600

Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: MSL_5600_190513 Medium parameters used: f = 5600 MHz; σ = 5.878 S/m; ε_r = 47.126; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(3.92, 3.92, 3.92); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 19.2 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 43.88 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 34.1 W/kg
SAR(1 g) = 7.62 W/kg; SAR(10 g) = 2.04 W/kg
Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 19.8 W/kg

System Check_Body_5750MHz

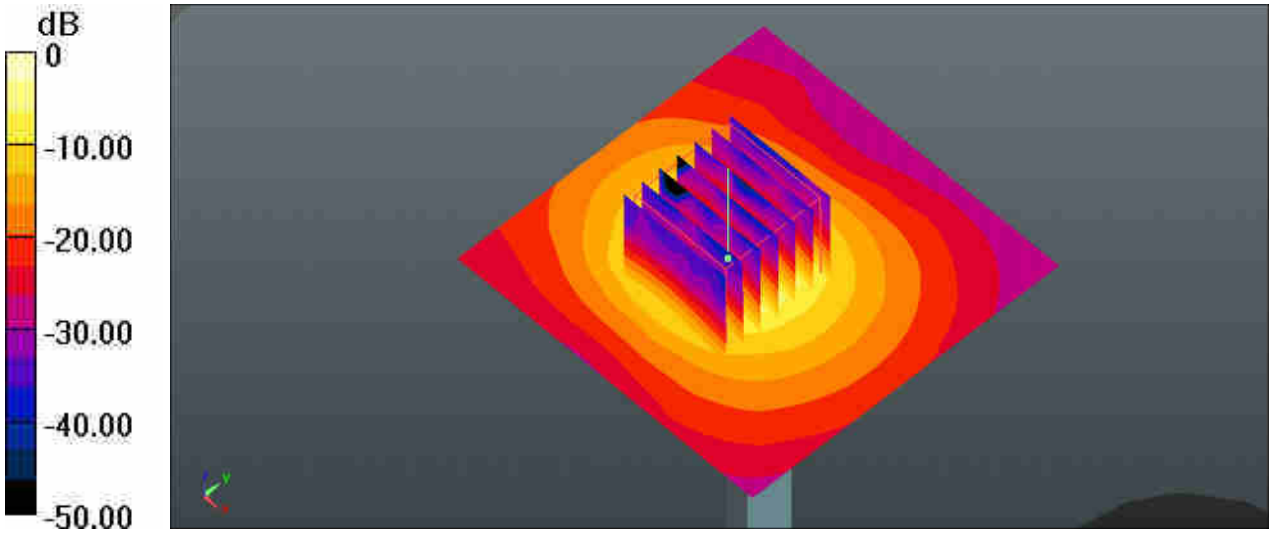
DUT: D5GHzV2-SN:1167

Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: MSL_5750_190512 Medium parameters used: f = 5750 MHz; σ = 6.093 S/m; ε_r = 46.889; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.07, 4.07, 4.07); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 19.5 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 43.48 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 34.5 W/kg
SAR(1 g) = 7.41 W/kg; SAR(10 g) = 1.99 W/kg
Maximum value of SAR (measured) = 19.2 W/kg



0 dB = 19.5 W/kg

Appendix B. Plots of SAR Measurement

The plots are shown as follows.

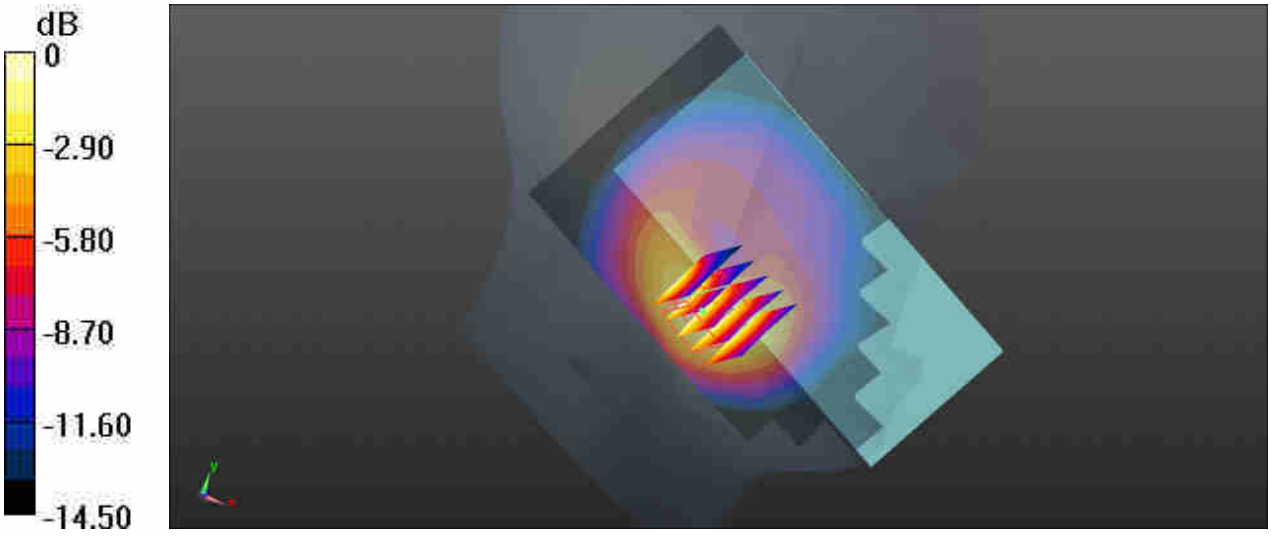
01_GSM850_GPRS(4 Tx slot)_Left Cheek_Ch189

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 836.4 MHz;Duty Cycle: 1:2.08
Medium: HSL_835_190503 Medium parameters used: f = 836.4 MHz; σ = 0.93 S/m; ε_r = 41.777; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.590 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.927 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.322 W/kg
Maximum value of SAR (measured) = 0.656 W/kg



0 dB = 0.590 W/kg

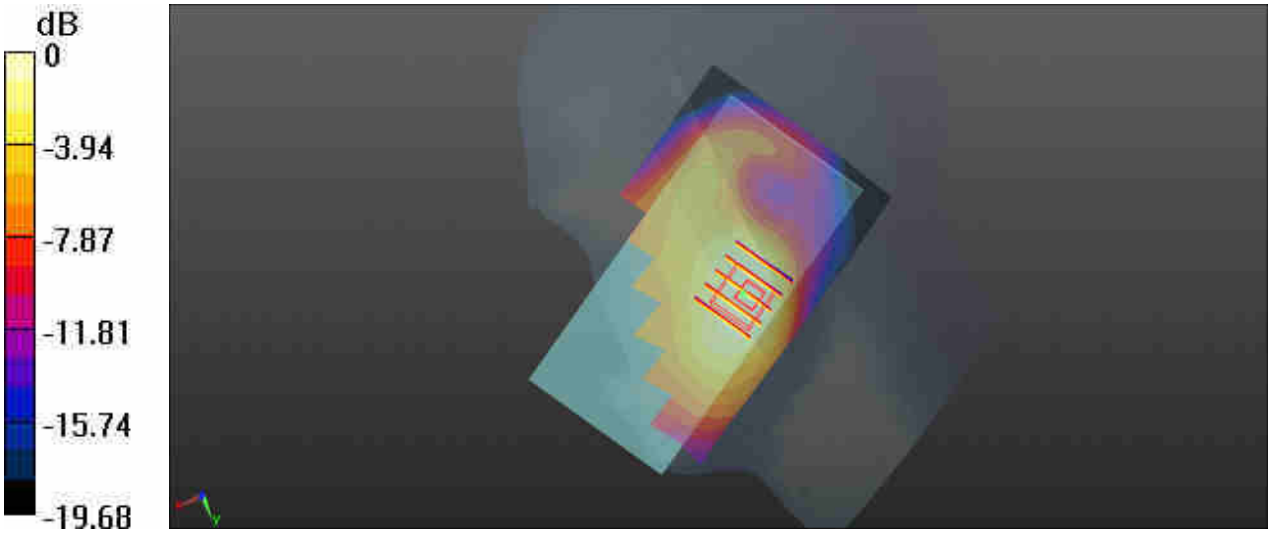
02_GSM1900_GPRS(4 Tx slots)_Right Cheek_Ch810

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.08
Medium: HSL_1900_190507 Medium parameters used: f = 1909.8 MHz; σ = 1.398 S/m; ε_r = 37.871; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(5.28, 5.28, 5.28); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.172 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.090 W/kg
Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg

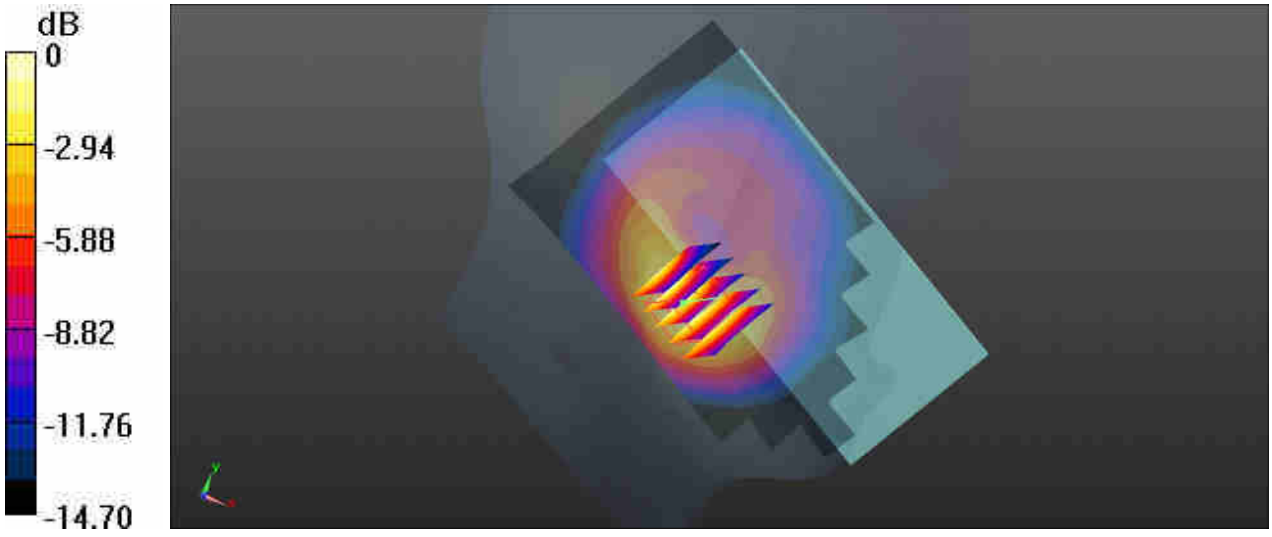
03_WCDMA V_RMC 12.2Kbps_Left Cheek_Ch4182

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_190503 Medium parameters used: f = 836.4 MHz; σ = 0.93 S/m; ε_r = 41.777; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.637 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.146 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.325 W/kg
Maximum value of SAR (measured) = 0.672 W/kg



0 dB = 0.637 W/kg

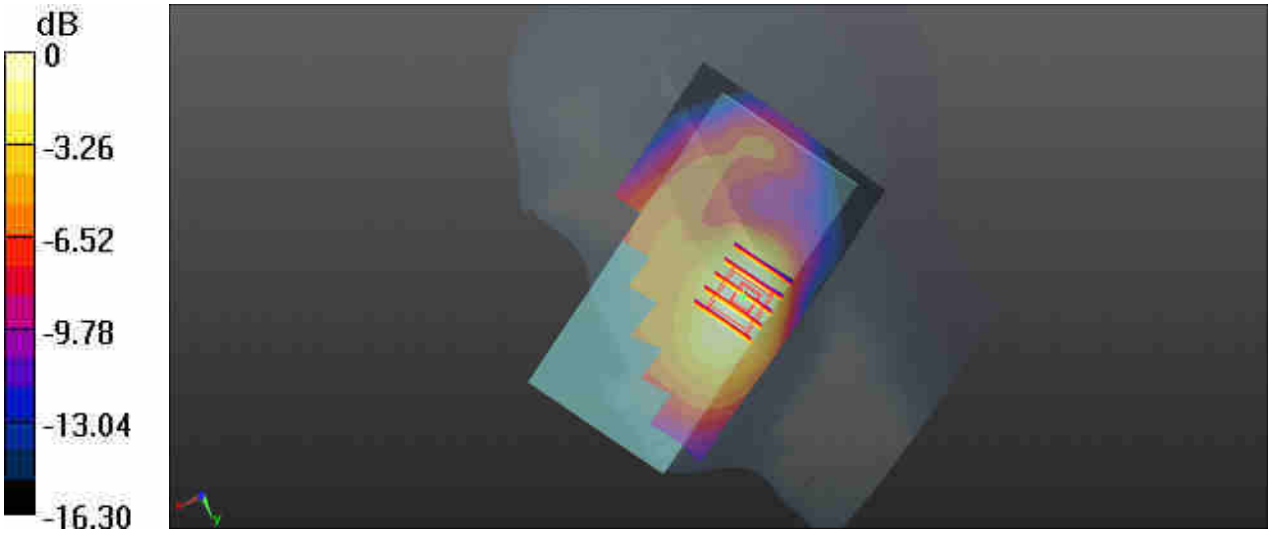
04_WCDMA IV_RMC 12.2Kbps_Right Cheek_Ch1413

Communication System: UID 0, UMTS (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190508 Medium parameters used: f = 1732.6 MHz; σ = 1.371 S/m; ε_r = 39.669;ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(5.51, 5.51, 5.51); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1413/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.225 W/kg

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.273 W/kg
SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.124 W/kg
Maximum value of SAR (measured) = 0.216 W/kg



0 dB = 0.216 W/kg

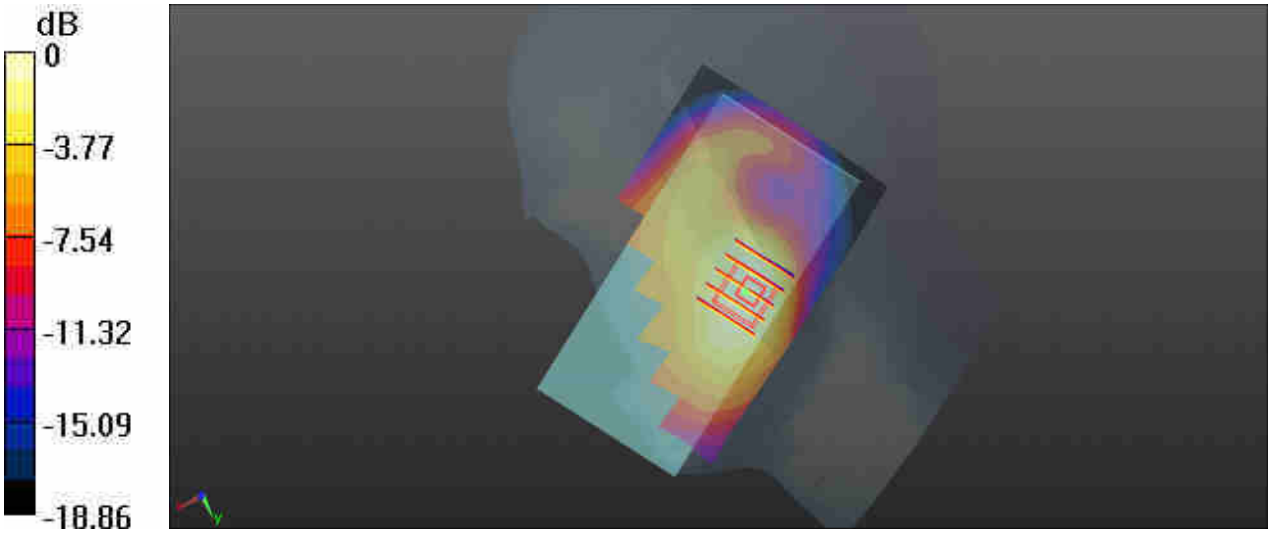
05_WCDMA II_RMC 12.2Kbps_Right Cheek_Ch9538

Communication System: UID 0, UMTS (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190507 Medium parameters used: f = 1907.6 MHz; σ = 1.397 S/m; ε_r = 37.879;ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(5.28, 5.28, 5.28); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.373 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.457 W/kg
SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.192 W/kg
Maximum value of SAR (measured) = 0.345 W/kg



0 dB = 0.345 W/kg

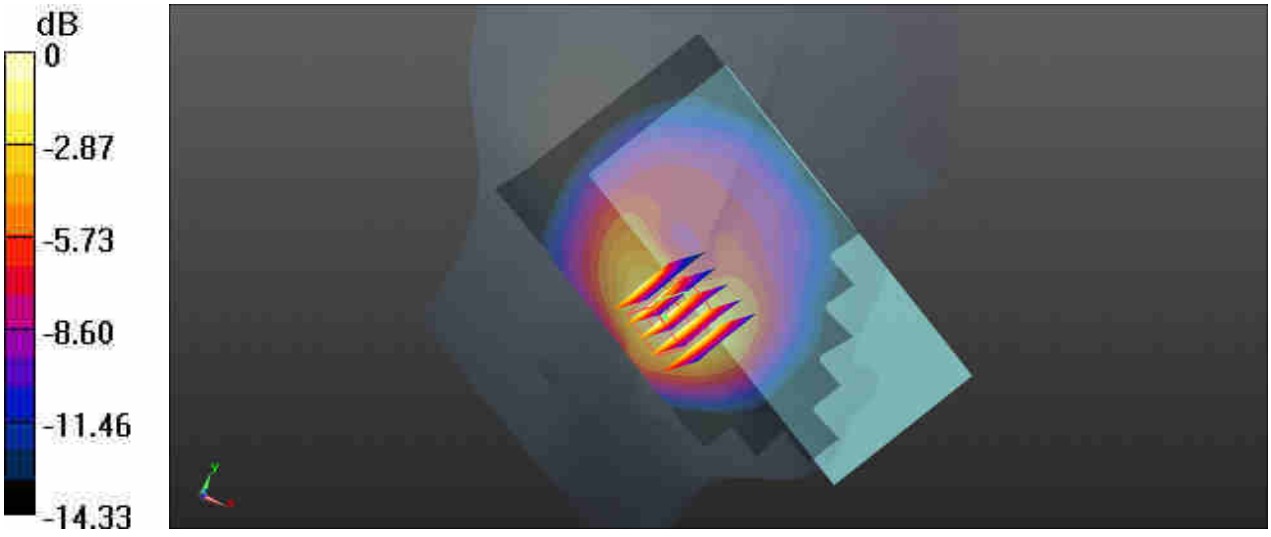
06_CDMA2000 BC0_RC3+SO55_Left Cheek_Ch777

Communication System: UID 0, CDMA2000 (0); Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: HSL_835_190503 Medium parameters used: f = 848.31 MHz; σ = 0.94 S/m; ε_r = 41.631; ρ= 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch777/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.784 W/kg

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.692 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.435 W/kg
Maximum value of SAR (measured) = 0.890 W/kg



0 dB = 0.784 W/kg

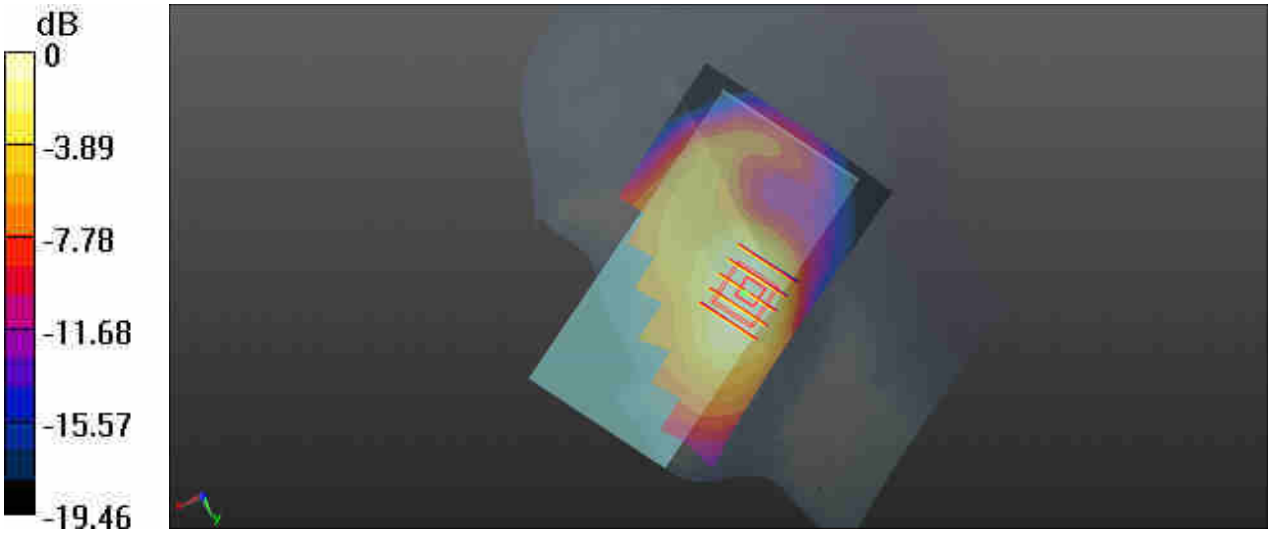
07_CDMA2000 BC1_RC3+SO55_Right Cheek_Ch1175

Communication System: UID 0, CDMA2000 (0); Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190507 Medium parameters used: f = 1908.75 MHz; σ = 1.397 S/m; ε_r = 37.868; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(5.28, 5.28, 5.28); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1175/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.320 W/kg

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.397 W/kg
SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.167 W/kg
Maximum value of SAR (measured) = 0.301 W/kg



0 dB = 0.301 W/kg

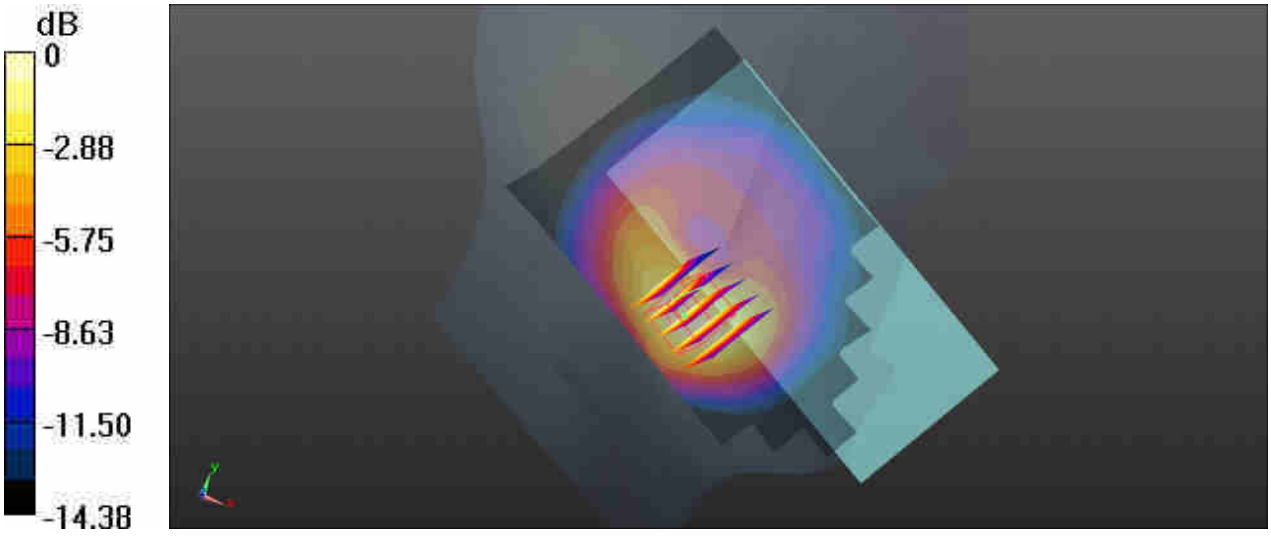
08_CDMA2000 BC10_RC3+SO55_Left Cheek_Ch684

Communication System: UID 0, CDMA2000 (0); Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: HSL_835_190503 Medium parameters used: f = 823.1 MHz; σ = 0.918 S/m; ε_r = 41.926; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch684/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.738 W/kg

Ch684/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.801 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.406 W/kg
Maximum value of SAR (measured) = 0.833 W/kg



0 dB = 0.738 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019.05.05

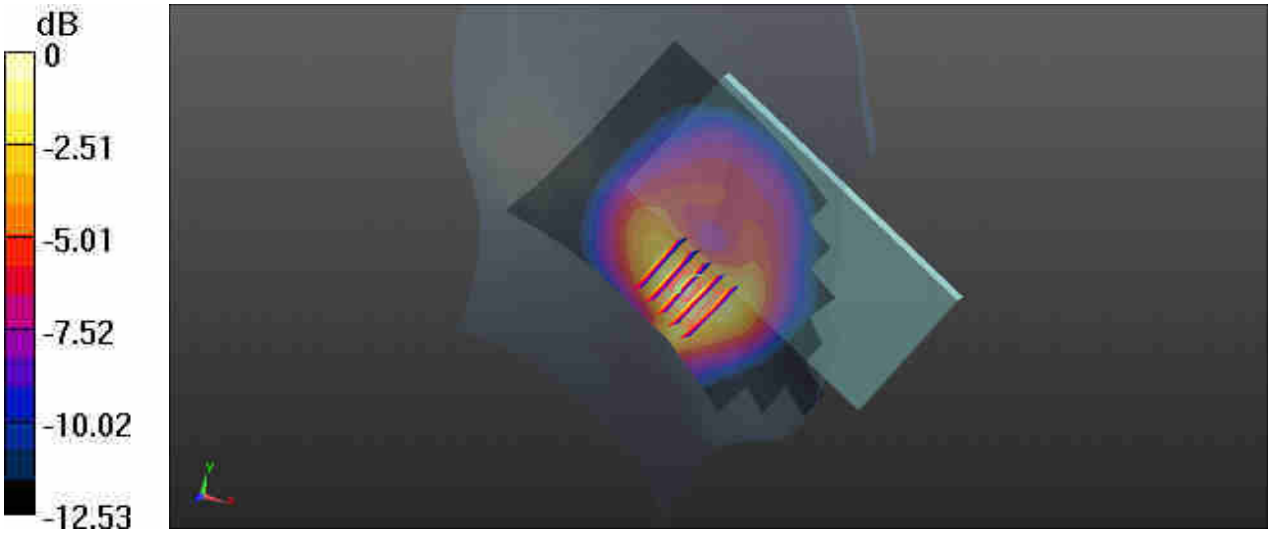
09_LTE Band 71_20M_QPSK_1RB_0Offset_Left Cheek_Ch133322

Communication System: UID 0, LTE (0); Frequency: 683 MHz;Duty Cycle: 1:1
Medium: HSL_750_190505 Medium parameters used: f = 683 MHz; σ = 0.845 S/m; ε_r = 42.847; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.59, 6.59, 6.59); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch133322/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.658 W/kg

Ch133322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.256 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.668 W/kg; SAR(10 g) = 0.382 W/kg
Maximum value of SAR (measured) = 0.750 W/kg



0 dB = 0.750 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019.05.05

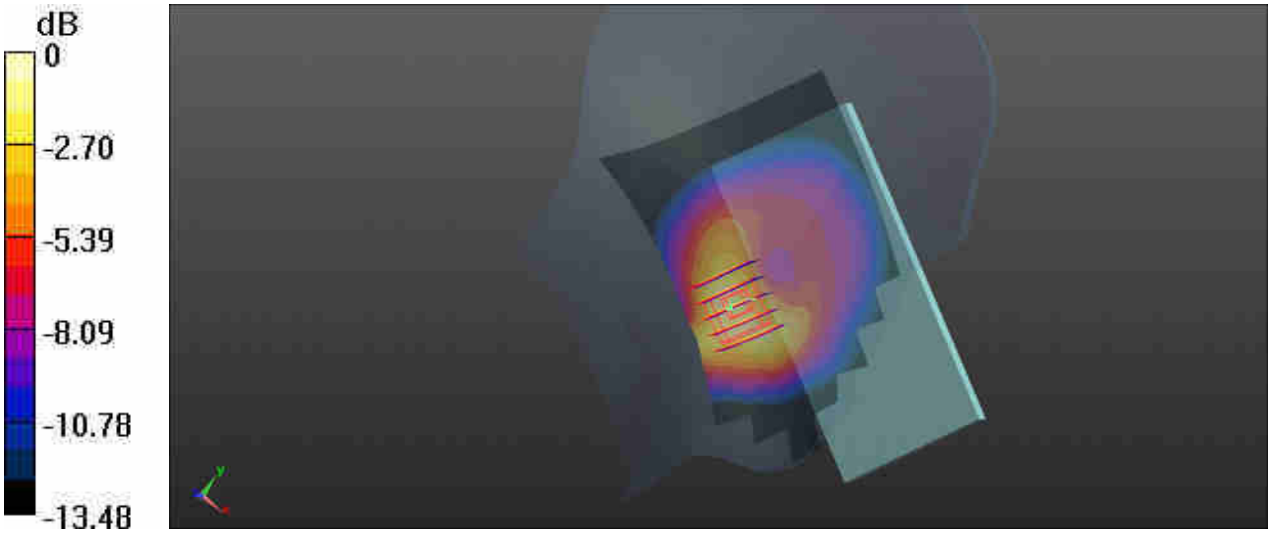
10_LTE Band 12_10M_QPSK_1RB_25Offset_Left Cheek_Ch23095

Communication System: UID 0, LTE (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_190505 Medium parameters used: f = 707.5 MHz; σ = 0.864 S/m; ε_r = 42.444; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.59, 6.59, 6.59); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.688 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.272 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.737 W/kg; SAR(10 g) = 0.417 W/kg
Maximum value of SAR (measured) = 0.852 W/kg



0 dB = 0.852 W/kg

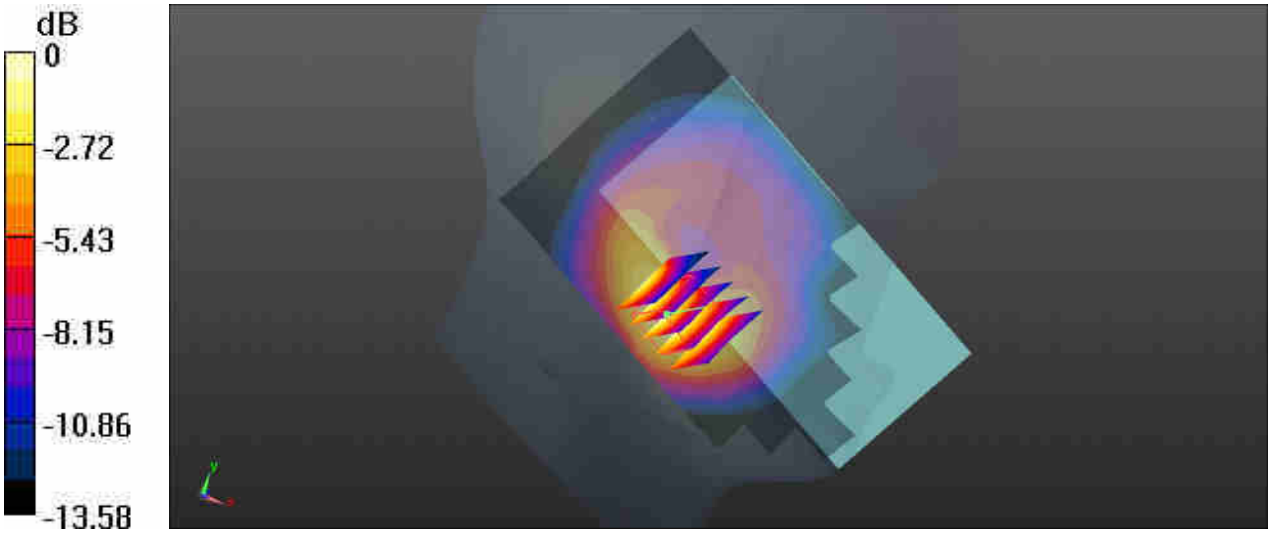
11_LTE Band 13_10M_QPSK_25RB_12Offset_Left Cheek_Ch23230

Communication System: UID 0, LTE (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_190505 Medium parameters used: f = 782 MHz; σ = 0.905 S/m; ε_r = 40.814; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3191; ConvF(6.59, 6.59, 6.59); Calibrated: 2019.01.29;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.454 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.202 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.250 W/kg
Maximum value of SAR (measured) = 0.496 W/kg



0 dB = 0.454 W/kg