

16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	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	15M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 9	26865	831.5	open	22.22	23.00	1.197	-	-	-0.09	1.030	1	1.233
2nd	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 9	26865	831.5	open	22.22	23.00	1.197	-	-	0.03	0.998	1.032	1.194
1st	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 9	349000	1745	open	19.74	20.40	1.164	-	-	-0.01	1.090	1	1.269
2nd	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 9	349000	1745	open	19.74	20.40	1.164	-	-	0.03	1.060	1.028	1.234
1st	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 9	507000	2535	open	20.85	21.80	1.245	-	-	-0.06	1.040	1	1.294
2nd	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 9	507000	2535	open	20.85	21.80	1.245	-	-	0.03	1.020	1.020	1.269
1st	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 3	23330	793	open	22.31	23.00	1.172	-	-	-0.02	0.977	1	1.145
2nd	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 3	23330	793	open	22.31	23.00	1.172	-	-	0.02	0.965	1.012	1.131
1st	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 3	376500	1882.5	open	21.29	22.10	1.205	-	-	0.03	1.060	1	1.277
2nd	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 3	376500	1882.5	open	21.29	22.10	1.205	-	-	0.01	1.030	1.029	1.241
1st	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 3	462000	2310	open	22.42	23.20	1.197	-	-	-0.19	1.060	1	1.269
2nd	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 3	462000	2310	open	22.42	23.20	1.197	-	-	0.02	1.040	1.019	1.245
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Front	5mm	Ant 5+7(5)	Standalone	6	2437	open	16.39	18.00	1.449	100	1.000	-0.01	0.908	1	1.315
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Front	5mm	Ant 5+7(5)	Standalone	6	2437	open	16.39	18.00	1.449	100	1.000	0.03	0.895	1.015	1.297

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	EUT Flip State	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 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	132572	1770	open	21.98	23.00	1.265	0.12	2.500	1	3.162
2nd	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	132572	1770	open	21.98	23.00	1.265	0.03	2.480	1.008	3.137
1st	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26340	1880	open	22.25	23.40	1.303	0.14	2.450	1	3.193
2nd	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26340	1880	open	22.25	23.40	1.303	0.03	2.410	1.017	3.141
1st	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	462000	2310	open	22.45	23.40	1.245	-0.18	2.540	1	3.161
2nd	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	462000	2310	open	22.45	23.40	1.245	0.05	2.510	1.012	3.124
1st	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	21100	2535	open	22.79	23.80	1.262	0.19	2.490	1	3.142
2nd	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	21100	2535	open	22.79	23.80	1.262	0.03	2.450	1.016	3.091
1st	FR1 n48	100M	QPSK	50	28	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	641666	3624.99	open	18.36	19.10	1.186	0.17	2.080	1	2.466
2nd	FR1 n48	100M	QPSK	50	28	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	641666	3624.99	open	18.36	19.10	1.186	0.02	2.050	1.015	2.431
1st	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	open	18.25	19.10	1.216	-0.11	2.010	1	2.445
2nd	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	open	18.25	19.10	1.216	0.02	1.980	1.015	2.408
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Side	0mm	Ant 5+7(7)	Standalone	6	2437	open	18.38	19.50	1.294	-0.05	2.320	1	3.003
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Side	0mm	Ant 5+7(7)	Standalone	6	2437	open	18.38	19.50	1.294	0.05	2.290	1.013	2.964

General Note:

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



16.6 TDD LTE Linearity Data Analysis

General Note:

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

LTE B41-Linearity Data for Head Ant 0			LTE B41-Linearity Data for Head Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	28.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.486	0.672	Reported 1g SAR (W/kg)	0.102	0.114
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	273.20	Frame Averaged (mW)	200.17	217.01
Linearity SAR (W/kg)	0.663		Linearity SAR (W/kg)	0.111	
% deviation from expected linearity		1.31%	% deviation from expected linearity		3.09%
LTE B41-Linearity Data for Body-worn open Ant 0			LTE B41-Linearity Data for Body-worn open Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.20	24.80	Maximum Tune up Power (dBm)	22.10	23.70
Reported 1g SAR (W/kg)	1.221	1.287	Reported 1g SAR (W/kg)	1.232	1.273
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	132.25	130.76	Frame Averaged (mW)	102.66	101.51
Linearity SAR (W/kg)	1.207		Linearity SAR (W/kg)	1.218	
% deviation from expected linearity		6.61%	% deviation from expected linearity		4.50%
LTE B41-Linearity Data for Hotspot open Ant 0			LTE B41-Linearity Data for Hotspot open Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	22.60	24.20	Maximum Tune up Power (dBm)	20.90	22.50
Reported 1g SAR (W/kg)	1.213	1.286	Reported 1g SAR (W/kg)	1.279	1.275
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	115.19	113.89	Frame Averaged (mW)	77.88	77.00
Linearity SAR (W/kg)	1.199		Linearity SAR (W/kg)	1.265	
% deviation from expected linearity		7.22%	% deviation from expected linearity		0.82%
LTE B41-Linearity Data for Extremity open Ant 0			LTE B41-Linearity Data for Extremity open Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	28.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 10g SAR (W/kg)	2.137	2.833	Reported 10g SAR (W/kg)	1.305	1.429
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	273.20	Frame Averaged (mW)	200.17	217.01
Linearity SAR (W/kg)	2.917		Linearity SAR (W/kg)	1.415	
% deviation from expected linearity		-2.87%	% deviation from expected linearity		1.00%
LTE B41-Linearity Data for Body-worn close Ant 0			LTE B41-Linearity Data for Body-worn close Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.90	25.50	Maximum Tune up Power (dBm)	23.60	25.20
Reported 1g SAR (W/kg)	0.893	0.885	Reported 1g SAR (W/kg)	0.883	0.812
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	155.38	153.63	Frame Averaged (mW)	145.01	143.38
Linearity SAR (W/kg)	0.883		Linearity SAR (W/kg)	0.873	
% deviation from expected linearity		0.23%	% deviation from expected linearity		-6.99%
LTE B41-Linearity Data for Hotspot close Ant 0			LTE B41-Linearity Data for Hotspot close Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	22.80	24.40	Maximum Tune up Power (dBm)	20.40	22.00
Reported 1g SAR (W/kg)	0.578	0.619	Reported 1g SAR (W/kg)	0.622	0.563
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%



Frame Averaged (mW)	120.62	119.26	Frame Averaged (mW)	69.41	68.63
Linearity SAR (W/kg)	0.571		Linearity SAR (W/kg)	0.615	
% deviation from expected linearity		8.31%	% deviation from expected linearity		-8.46%

LTE B41-Linearity Data for Head Ant 2			LTE B41-Linearity Data for Head Ant 3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	15.50	17.10	Maximum Tune up Power (dBm)	18.70	20.30
Reported 1g SAR (W/kg)	0.839	0.878	Reported 1g SAR (W/kg)	0.824	0.880
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	22.46	22.21	Frame Averaged (mW)	46.92	46.40
Linearity SAR (W/kg)	0.830		Linearity SAR (W/kg)	0.815	
% deviation from expected linearity		5.84%	% deviation from expected linearity		8.01%
LTE B41-Linearity Data for Body-worn open Ant 2			LTE B41-Linearity Data for Body-worn open Ant 3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	18.90	20.50	Maximum Tune up Power (dBm)	21.40	23.00
Reported 1g SAR (W/kg)	0.855	0.888	Reported 1g SAR (W/kg)	0.837	0.884
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	49.14	48.58	Frame Averaged (mW)	87.38	86.39
Linearity SAR (W/kg)	0.845		Linearity SAR (W/kg)	0.828	
% deviation from expected linearity		5.04%	% deviation from expected linearity		6.82%
LTE B41-Linearity Data for Hotspot open Ant 2			LTE B41-Linearity Data for Hotspot open Ant 3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	17.30	18.90	Maximum Tune up Power (dBm)	16.90	18.50
Reported 1g SAR (W/kg)	0.592	0.591	Reported 1g SAR (W/kg)	0.590	0.621
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	33.99	33.61	Frame Averaged (mW)	31.00	30.65
Linearity SAR (W/kg)	0.585		Linearity SAR (W/kg)	0.583	
% deviation from expected linearity		0.97%	% deviation from expected linearity		6.45%
LTE B41-Linearity Data for Extremity open Ant 2			LTE B41-Linearity Data for Extremity open Ant 3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	24.60	Maximum Tune up Power (dBm)	22.20	23.80
Reported 10g SAR (W/kg)	2.482	2.297	Reported 10g SAR (W/kg)	2.510	2.351
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	126.30	124.88	Frame Averaged (mW)	105.05	103.87
Linearity SAR (W/kg)	2.454		Linearity SAR (W/kg)	2.482	
% deviation from expected linearity		-6.40%	% deviation from expected linearity		-5.27%
LTE B41-Linearity Data for Body-worn close Ant 2			LTE B41-Linearity Data for Body-worn close Ant 3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	20.80	22.40	Maximum Tune up Power (dBm)	22.90	24.50
Reported 1g SAR (W/kg)	0.883	0.856	Reported 1g SAR (W/kg)	0.881	0.880
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	76.10	75.25	Frame Averaged (mW)	123.43	122.04
Linearity SAR (W/kg)	0.873		Linearity SAR (W/kg)	0.871	
% deviation from expected linearity		-1.95%	% deviation from expected linearity		1.02%
LTE B41-Linearity Data for Hotspot close Ant 2			LTE B41-Linearity Data for Hotspot close Ant 3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	16.20	17.80	Maximum Tune up Power (dBm)	18.80	20.40
Reported 1g SAR (W/kg)	0.630	0.576	Reported 1g SAR (W/kg)	0.622	0.604
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	26.39	26.09	Frame Averaged (mW)	48.02	47.48
Linearity SAR (W/kg)	0.623		Linearity SAR (W/kg)	0.615	
% deviation from expected linearity		-7.53%	% deviation from expected linearity		-1.79%

Sensor off

LTE B41-Linearity Data for Body-worn open Ant 0			LTE B41-Linearity Data for Body-worn open Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	28.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.140	0.196	Reported 1g SAR (W/kg)	0.235	0.244
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	273.20	Frame Averaged (mW)	200.17	217.01
Linearity SAR (W/kg)	0.191		Linearity SAR (W/kg)	0.255	
% deviation from expected linearity		2.58%	% deviation from expected linearity		-4.23%
LTE B41-Linearity Data for Body-worn close Ant 0			LTE B41-Linearity Data for Body-worn close Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	28.00	Maximum Tune up Power (dBm)	25.00	27.00
Reported 1g SAR (W/kg)	0.128	0.162	Reported 1g SAR (W/kg)	0.127	0.126
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	273.20	Frame Averaged (mW)	200.17	217.01
Linearity SAR (W/kg)	0.175		Linearity SAR (W/kg)	0.138	
% deviation from expected linearity		-7.27%	% deviation from expected linearity		-8.49%

LTE B41-Linearity Data for Body-worn open Ant 2			LTE B41-Linearity Data for Body-worn open Ant 3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	28.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.427	0.543	Reported 1g SAR (W/kg)	0.164	0.232
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	273.20	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.583		Linearity SAR (W/kg)	0.224	
% deviation from expected linearity		-6.83%	% deviation from expected linearity		3.65%
LTE B41-Linearity Data for Extremity open Ant 2			LTE B41-Linearity Data for Extremity open Ant 3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	28.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	0.233	0.328	Reported 10g SAR (W/kg)	0.179	0.257
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	273.20	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.318		Linearity SAR (W/kg)	0.244	
% deviation from expected linearity		3.14%	% deviation from expected linearity		5.20%
LTE B41-Linearity Data for Body-worn close Ant 2			LTE B41-Linearity Data for Body-worn close Ant 3		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	28.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.266	0.351	Reported 1g SAR (W/kg)	0.143	0.180
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	273.20	Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.363		Linearity SAR (W/kg)	0.195	
% deviation from expected linearity		-3.32%	% deviation from expected linearity		-7.77%

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + WLAN6GHz	Yes	Yes	Yes	Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
6.	WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
7.	WLAN2.4GHz+ Bluetooth	Yes	Yes	Yes	Yes
8.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
9.	WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
10.	WWAN + WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
11.	WWAN + WLAN2.4GHz + WLAN6GHz	Yes	Yes	Yes	Yes
12.	WWAN + WLAN2.4GHz+ Bluetooth	Yes	Yes	Yes	Yes
13.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
14.	WWAN + WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
15.	WWAN + WLAN2.4GHz+NFC				Yes
16.	WWAN + WLAN5GHz+NFC				Yes
17.	WWAN + WLAN6GHz+NFC				Yes
18.	WWAN + Bluetooth+NFC				Yes
19.	WLAN2.4GHz + WLAN5GHz+NFC				Yes
20.	WLAN2.4GHz + WLAN6GHz+NFC				Yes
21.	WLAN2.4GHz+ Bluetooth+NFC				Yes
22.	WLAN5GHz+ Bluetooth+NFC				Yes
23.	WLAN6GHz+ Bluetooth+NFC				Yes
24.	WWAN + WLAN2.4GHz + WLAN5GHz+NFC				Yes
25.	WWAN + WLAN2.4GHz + WLAN6GHz+NFC				Yes
26.	WWAN + WLAN2.4GHz+ Bluetooth+NFC				Yes
27.	WWAN + WLAN5GHz+ Bluetooth+NFC				Yes
28.	WWAN + WLAN6GHz+ Bluetooth+NFC				Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA, LTE and 5GNR (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in SISO/MIMO antenna mode.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, MediaTek TA-SAR algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. TA-SAR algorithm controls the total RF exposure from both 4G and 5G NR to not exceed SAR exposure limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In this Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only). WLAN 6GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna path and cannot transmit simultaneously. WLAN2.4GHz and Bluetooth are located on different antennas, they can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz (Ant 5) and WLAN 2.4GHz (Ant 7) can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.



14. For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
15. For standalone WWAN, always choose the highest SAR among the selected WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each band.
16. The maximum SAR summation is calculated based on the same configuration and test position.
17. 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.
18. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, 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 $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - v) The SPLSR calculated results please refer to section 17.6.
19. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis was compliance with KDB 447498 D01, and the device does not support FR2 or another MPE field measurement, therefore SAR report in section 17 has no include TER analysis requirement according to KDB 987594.

17.1 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by MediaTek TA-SAR, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

TA-SAR current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x, then the exposure margin left for 5G NR is capped to y. Thus, the compliance equation for LTE + 5G NR is

$$\begin{aligned}x * A + y * B + m &\leq 1 \\x + y &= g \leq 1 \\g + m &\leq 1\end{aligned}$$

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and $A \leq 1.0$; B is normalized reported time-averaged exposure ratio from 5G NR (i.e., PD exposure for 5G FR2 or SAR exposure for 5G FR1), and $B \leq 1.0$.

Let m = normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

$$x * A + y * B + m \leq 1.0 \quad (1)$$

$$x * A + y * B \leq x * \max(A, B) + (g-x) * \max(A, B) \leq \max(A, B)$$

$$x * A + (g-x) * B + m \leq \max(A, B) + m \leq 1.0 \quad (2)$$

If $A + m \leq 1.0$ and $B + m \leq 1.0$ can be proven, then " $x * A + y * B + m \leq 1.0$ ". Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1

Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

Else, if $A + m > 1.0$ and/or $B + m > 1.0$, then the followings need to hold true for compliance:

- i. A and m are decoupled based on the SPLSR criteria, and
- ii. $y * B + m \leq 1.0$, and
- iii. $x * A + y * B \leq 1.0$

Note iii. is covered in Part 2 report; i. and ii. should be addressed in Part 2 report.

Above analysis is also apply to LTE(NR) inter-band uplink, LTE(NR)1 + LTE(NR)2 + WLAN + BT simultaneous transmission, so inter-band uplink CA no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE(NR) + WLAN + BT < 1.

Above analysis is also apply to NR band UL MIMO, NR(SISO1) + NR(SISO2) + WLAN + BT simultaneous transmission, so UL MIMO no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of NR + WLAN + BT < 1.



17.2 Head Exposure Conditions

< Flip Open >

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	2+10	6+10	10+11	3+7	3+12	1+4+10	1+8+10	1+10+11	1+5+9	1+5+12
		WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 5+7 Standalone 1g SAR (W/kg)	WLAN 2.4GHz Ant 7 DBS only 1g SAR (W/kg)	WLAN 2.4GHz Ant 5+7 WWAN+non DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 7 WWAN+DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+7 Standalone 1g SAR (W/kg)	WLAN 5GHz Ant 5 DBS only 1g SAR (W/kg)	WLAN 5GHz Ant 5+7 WWAN+non DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5 WWAN+DBS 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	WLAN 6GHz Ant 5+7 1g SAR (W/kg)	WLAN 6GHz Ant 5 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
GSM850 Ant 0	Right Cheek	0.217	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.53	0.56	0.51	0.45	0.55
	Right Tilted	0.150	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.40	0.47	0.46	0.39	0.50
	Left Cheek	0.365	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.97	1.00	1.03	0.74	0.89
	Left Tilted	0.243	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.47	0.68	0.59	0.51	0.59
GSM850 Ant 1	Right Cheek	0.123	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.43	0.46	0.42	0.36	0.45
	Right Tilted	0.092	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.34	0.41	0.40	0.33	0.44
	Left Cheek	0.073	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.68	0.71	0.74	0.45	0.60
	Left Tilted	0.048	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.27	0.49	0.39	0.31	0.40
GSM1900 Ant 0	Right Cheek	0.060	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.37	0.40	0.35	0.29	0.39
	Right Tilted	0.045	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.29	0.36	0.35	0.28	0.40
	Left Cheek	0.037	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.64	0.67	0.70	0.42	0.57
	Left Tilted	0.030	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.26	0.47	0.38	0.29	0.38
GSM1900 Ant 2	Right Cheek	0.881	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.19	1.22	1.17	1.11	1.21
	Right Tilted	0.201	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.45	0.52	0.51	0.44	0.55
	Left Cheek	0.316	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.92	0.95	0.98	0.69	0.84
	Left Tilted	0.358	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.58	0.80	0.70	0.62	0.71
WCDMA II Ant 2	Right Cheek	0.874	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.18	1.21	1.17	1.11	1.20
	Right Tilted	0.208	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.46	0.52	0.52	0.45	0.56
	Left Cheek	0.455	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.06	1.09	1.12	0.83	0.98
	Left Tilted	0.107	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.33	0.55	0.45	0.37	0.45
WCDMA II Ant 3	Right Cheek	0.875	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.18	1.22	1.17	1.11	1.21
	Right Tilted	0.681	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.93	1.00	0.99	0.92	1.03
	Left Cheek	0.483	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.09	1.12	1.15	0.86	1.01
	Left Tilted	0.546	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.77	0.99	0.89	0.81	0.89
WCDMA II Ant 0	Right Cheek	0.093	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.40	0.43	0.39	0.33	0.42
	Right Tilted	0.068	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.32	0.38	0.38	0.31	0.42
	Left Cheek	0.066	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.67	0.70	0.73	0.44	0.59
	Left Tilted	0.040	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.27	0.48	0.39	0.30	0.39
WCDMA II Ant 1	Right Cheek	0.143	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.45	0.48	0.44	0.38	0.47
	Right Tilted	0.076	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.32	0.39	0.38	0.31	0.43
	Left Cheek	0.098	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.71	0.74	0.76	0.48	0.63
	Left Tilted	0.087	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.31	0.53	0.43	0.35	0.43
WCDMA IV Ant 2	Right Cheek	0.876	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.19	1.22	1.17	1.11	1.21
	Right Tilted	0.181	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.43	0.50	0.49	0.42	0.53
	Left Cheek	0.328	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.94	0.97	0.99	0.71	0.86
	Left Tilted	0.094	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.32	0.53	0.44	0.36	0.44
WCDMA IV Ant 3	Right Cheek	0.875	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.18	1.22	1.17	1.11	1.21
	Right Tilted	0.709	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.96	1.03	1.02	0.95	1.06
	Left Cheek	0.483	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.09	1.12	1.15	0.86	1.01
	Left Tilted	0.593	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.82	1.03	0.94	0.86	0.94
WCDMA IV Ant 0	Right Cheek	0.012	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.32	0.35	0.31	0.25	0.34
	Right Tilted	0.007	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.25	0.32	0.31	0.25	0.36
	Left Cheek	0.004	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.61	0.64	0.67	0.38	0.53
	Left Tilted	0.001	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.23	0.44	0.35	0.26	0.35
WCDMA IV Ant 1	Right Cheek	0.029	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.34	0.37	0.32	0.26	0.36
	Right Tilted	0.022	0.																				



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	Left Tilted	0.007	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.23	0.45	0.35	0.27	0.35
WCDMA V Ant 0	Right Cheek	0.141	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.45	0.48	0.43	0.37	0.47
	Right Tilted	0.093	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.34	0.41	0.40	0.33	0.44
	Left Cheek	0.239	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.85	0.88	0.90	0.62	0.77
	Left Tilted	0.139	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.37	0.58	0.48	0.40	0.49
WCDMA V Ant 1	Right Cheek	0.054	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.36	0.39	0.35	0.29	0.38
	Right Tilted	0.036	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.28	0.35	0.34	0.27	0.39
	Left Cheek	0.024	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.63	0.66	0.69	0.40	0.55
	Left Tilted	0.019	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.25	0.46	0.36	0.28	0.37
LTE Band 7 Ant 2	Right Cheek	0.632	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.94	0.97	0.93	0.87	0.96
	Right Tilted	0.106	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.35	0.42	0.41	0.34	0.46
	Left Cheek	0.893	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.50	1.53	1.56	1.27	1.42
	Left Tilted	0.067	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.29	0.51	0.41	0.33	0.41
LTE Band 7 Ant 3	Right Cheek	0.493	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.80	0.83	0.79	0.73	0.82
	Right Tilted	0.885	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.13	1.20	1.19	1.12	1.24
	Left Cheek	0.422	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.03	1.06	1.08	0.80	0.95
	Left Tilted	0.127	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.35	0.57	0.47	0.39	0.47
LTE Band 7 Ant 0	Right Cheek	0.529	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.84	0.87	0.82	0.76	0.86
	Right Tilted	0.296	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.54	0.61	0.60	0.53	0.65
	Left Cheek	0.847	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.45	1.48	1.51	1.23	1.38
	Left Tilted	0.224	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.45	0.66	0.57	0.49	0.57
LTE Band 7 Ant 1	Right Cheek	0.112	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.42	0.45	0.41	0.35	0.44
	Right Tilted	0.035	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.28	0.35	0.34	0.27	0.39
	Left Cheek	0.061	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.67	0.70	0.72	0.44	0.59
	Left Tilted	0.011	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.24	0.45	0.36	0.27	0.36
LTE Band 12 Ant 0	Right Cheek	0.249	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.56	0.59	0.54	0.48	0.58
	Right Tilted	0.179	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.43	0.50	0.49	0.42	0.53
	Left Cheek	0.380	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.99	1.02	1.04	0.76	0.91
	Left Tilted	0.215	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.44	0.65	0.56	0.48	0.56
LTE Band 12 Ant 1	Right Cheek	0.120	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.43	0.46	0.41	0.35	0.45
	Right Tilted	0.080	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.33	0.40	0.39	0.32	0.43
	Left Cheek	0.081	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.69	0.72	0.74	0.46	0.61
	Left Tilted	0.013	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.24	0.45	0.36	0.28	0.36
LTE Band 13 Ant 0	Right Cheek	0.233	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.54	0.57	0.53	0.47	0.56
	Right Tilted	0.170	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.42	0.49	0.48	0.41	0.52
	Left Cheek	0.351	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.96	0.99	1.01	0.73	0.88
	Left Tilted	0.210	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.44	0.65	0.56	0.47	0.56
LTE Band 13 Ant 1	Right Cheek	0.108	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.42	0.45	0.40	0.34	0.44
	Right Tilted	0.071	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.32	0.39	0.38	0.31	0.42
	Left Cheek	0.078	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.69	0.72	0.74	0.46	0.61
	Left Tilted	0.019	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.25	0.46	0.36	0.28	0.37
LTE Band 14 Ant 0	Right Cheek	0.230	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.54	0.57	0.52	0.46	0.56
	Right Tilted	0.169	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.42	0.49	0.48	0.41	0.52
	Left Cheek	0.373	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.98	1.01	1.04	0.75	0.90
	Left Tilted	0.234	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.46	0.67	0.58	0.50	0.58
LTE Band 14 Ant 1	Right Cheek	0.090	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.40	0.43	0.38	0.32	0.42
	Right Tilted	0.065	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.31	0.38	0.37	0.30	0.42
	Left Cheek	0.060	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.67	0.70	0.72	0.44	0.59
	Left Tilted	0.027	0.481	0.296	0.166	0.074	1.176																



	Left Tilted	0.505	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.73	0.94	0.85	0.77	0.85
LTE Band 25 Ant 0	Right Cheek	0.185	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.49	0.53	0.48	0.42	0.52
	Right Tilted	0.063	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.31	0.38	0.37	0.30	0.41
	Left Cheek	0.135	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.74	0.77	0.80	0.51	0.66
	Left Tilted	0.091	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.32	0.53	0.44	0.35	0.44
	Right Cheek	0.128	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.44	0.47	0.42	0.36	0.46
LTE Band 25 Ant 1	Right Tilted	0.071	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.32	0.39	0.38	0.31	0.42
	Left Cheek	0.088	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.70	0.73	0.75	0.47	0.62
	Left Tilted	0.086	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.31	0.53	0.43	0.35	0.43
	Right Cheek	0.249	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.56	0.59	0.54	0.48	0.58
LTE Band 26 Ant 0	Right Tilted	0.158	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.41	0.47	0.47	0.40	0.51
	Left Cheek	0.407	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.01	1.04	1.07	0.79	0.94
	Left Tilted	0.219	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.45	0.66	0.56	0.48	0.57
	Right Cheek	0.078	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.39	0.42	0.37	0.31	0.41
LTE Band 26 Ant 1	Right Tilted	0.008	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.26	0.32	0.32	0.25	0.36
	Left Cheek	0.062	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.67	0.70	0.72	0.44	0.59
	Left Tilted	0.065	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.29	0.50	0.41	0.33	0.41
	Right Cheek	0.886	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.20	1.23	1.18	1.12	1.22
LTE Band 30 Ant 2	Right Tilted	0.192	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.44	0.51	0.50	0.43	0.54
	Left Cheek	0.510	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.12	1.15	1.17	0.89	1.04
	Left Tilted	0.106	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.33	0.55	0.45	0.37	0.45
	Right Cheek	0.185	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.49	0.53	0.48	0.42	0.52



FCC SAR Test Report

Report No. : FA422203

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	2+10	6+10	10+11	3+7	3+12	1+4+10	1+8+10	1+10+11	1+5+9	1+5+12	
		WWAN	WLAN 2.4GHz Ant 5+7 Standalone	WLAN 2.4GHz Ant 7 DBS only	WLAN 2.4GHz Ant 5+7 WWAN+non DBS	WLAN 2.4GHz Ant 7 WWAN+DBS	WLAN 5GHz Ant 5+7 Standalone	WLAN 5GHz Ant 5 DBS only	WLAN 5GHz Ant 5+7 WWAN+non DBS	WLAN 5GHz Ant 5 WWAN+DBS	Bluetooth Ant 7	WLAN 6GHz Ant 5+7	WLAN 6GHz Ant 5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Right Cheek	0.891	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.20	1.23	1.18	1.12	1.22	
	Right Tilted	0.723	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.97	1.04	1.03	0.96	1.07	
	Left Cheek	0.664	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.27	1.30	1.33	1.04	1.19	
	Left Tilted	0.576	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.80	1.02	0.92	0.84	0.92	
LTE Band 30 Ant 0	Right Cheek	0.243	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.55	0.58	0.54	0.48	0.57	
	Right Tilted	0.087	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.33	0.40	0.39	0.33	0.44	
	Left Cheek	0.358	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.97	1.00	1.02	0.74	0.89	
	Left Tilted	0.077	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.30	0.52	0.42	0.34	0.42	
LTE Band 30 Ant 1	Right Cheek	0.098	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.41	0.44	0.39	0.33	0.43	
	Right Tilted	0.023	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.27	0.34	0.33	0.26	0.37	
	Left Cheek	0.006	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.61	0.64	0.67	0.38	0.53	
	Left Tilted	0.062	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.29	0.50	0.41	0.33	0.41	
LTE Band 66 Ant 2	Right Cheek	0.886	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.20	1.23	1.18	1.12	1.22	
	Right Tilted	0.155	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.40	0.47	0.46	0.39	0.51	
	Left Cheek	0.320	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.93	0.96	0.98	0.70	0.85	
	Left Tilted	0.086	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.31	0.53	0.43	0.35	0.43	
LTE Band 66 Ant 3	Right Cheek	0.882	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.19	1.22	1.18	1.12	1.21	
	Right Tilted	0.642	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.89	0.96	0.95	0.88	0.99	
	Left Cheek	0.481	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.09	1.12	1.14	0.86	1.01	
	Left Tilted	0.520	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.75	0.96	0.87	0.78	0.87	
LTE Band 66 Ant 0	Right Cheek	0.096	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.41	0.44	0.39	0.33	0.43	
	Right Tilted	0.049	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.30	0.37	0.36	0.29	0.40	
	Left Cheek	0.069	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.68	0.71	0.73	0.45	0.60	
	Left Tilted	0.035	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.26	0.47	0.38	0.30	0.38	
LTE Band 66 Ant 1	Right Cheek	0.202	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.51	0.54	0.50	0.44	0.53	
	Right Tilted	0.109	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.36	0.43	0.42	0.35	0.46	
	Left Cheek	0.145	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.75	0.78	0.81	0.52	0.67	
	Left Tilted	0.115	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.34	0.55	0.46	0.38	0.46	
LTE Band 71 Ant 0	Right Cheek	0.270	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.58	0.61	0.56	0.50	0.60	
	Right Tilted	0.172	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.42	0.49	0.48	0.41	0.52	
	Left Cheek	0.458	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.07	1.10	1.12	0.84	0.99	
	Left Tilted	0.260	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.49	0.70	0.61	0.52	0.61	
LTE Band 71 Ant 1	Right Cheek	0.108	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.42	0.45	0.40	0.34	0.44	
	Right Tilted	0.073	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.32	0.39	0.38	0.31	0.42	
	Left Cheek	0.090	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.70	0.73	0.75	0.47	0.62	
	Left Tilted	0.054	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.28	0.49	0.40	0.32	0.40	
LTE Band 41 Ant 2	Right Cheek	0.290	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.60	0.63	0.58	0.52	0.62	
	Right Tilted	0.056	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.30	0.37	0.36	0.29	0.41	
	Left Cheek	0.878	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.49	1.52	1.54	1.26	1.41	
	Left Tilted	0.035	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.26	0.47	0.38	0.30	0.38	
LTE Band 41 Ant 3	Right Cheek	0.750	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.06	1.09	1.04	0.98	1.08	
	Right Tilted	0.824	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.07	1.14	1.13	1.06	1.17	
	Left Cheek	0.410	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.02	1.05	1.07	0.79	0.94	
	Left Tilted	0.503	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.73	0.94	0.85	0.77	0.85	
LTE Band 41 Ant 0	Right Cheek	0.200	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.51	0.54	0.49	0.43	0.53	



FCC SAR Test Report

Report No. : FA422203

1	Left Cheek	0.008	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.62	0.65	0.67	0.39	0.54
	Left Tilted	0.007	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.23	0.45	0.35	0.27	0.35
LTE Band 48 Ant 4	Right Cheek	0.888	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.20	1.23	1.18	1.12	1.22
	Right Tilted	0.238	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.49	0.55	0.55	0.48	0.59
LTE Band 48 Ant 6	Left Cheek	0.292	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.90	0.93	0.95	0.67	0.82
	Left Tilted	0.141	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.37	0.58	0.49	0.40	0.49
LTE Band 48 Ant 3	Right Cheek	0.386	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.70	0.73	0.68	0.62	0.72
	Right Tilted	0.458	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.71	0.77	0.77	0.70	0.81
LTE Band 48 Ant 8	Left Cheek	0.831	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.44	1.47	1.49	1.21	1.36
	Left Tilted	0.899	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	1.13	1.34	1.24	1.16	1.25
FR1 n7 Ant 2	Right Cheek	0.809	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.12	1.15	1.10	1.04	1.14
	Right Tilted	0.895	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.14	1.21	1.20	1.13	1.25
FR1 n7 Ant 3	Left Cheek	0.434	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.04	1.07	1.10	0.81	0.96
	Left Tilted	0.498	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.72	0.94	0.84	0.76	0.85
FR1 n7 Ant 0	Right Cheek	0.754	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.06	1.09	1.05	0.99	1.08
	Right Tilted	0.130	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.38	0.45	0.44	0.37	0.48
FR1 n7 Ant 1	Left Cheek	0.900	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.51	1.54	1.56	1.28	1.43
	Left Tilted	0.224	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.45	0.66	0.57	0.49	0.57
FR1 n7 Ant 2	Right Cheek	0.578	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.89	0.92	0.87	0.81	0.91
	Right Tilted	0.127	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.37	0.44	0.43	0.37	0.48
FR1 n7 Ant 3	Left Cheek	0.885	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.49	1.52	1.55	1.26	1.41
	Left Tilted	0.079	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.31	0.52	0.42	0.34	0.43
FR1 n7 Ant 0	Right Cheek	0.842	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.15	1.18	1.14	1.08	1.17
	Right Tilted	0.882	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.13	1.20	1.19	1.12	1.23
FR1 n7 Ant 1	Left Cheek	0.472	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.08	1.11	1.13	0.85	1.00
	Left Tilted	0.529	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.76	0.97	0.87	0.79	0.88
FR1 n7 Ant 2	Right Cheek	0.267	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.58	0.61	0.56	0.50	0.60
	Right Tilted	0.144	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.39	0.46	0.45	0.38	0.49
FR1 n7 Ant 3	Left Cheek	0.440	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.05	1.08	1.10	0.82	0.97
	Left Tilted	0.105	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.33	0.54	0.45	0.37	0.45
FR1 n7 Ant 0	Right Cheek	0.078	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.39	0.42	0.37	0.31	0.41
	Right Tilted	0.013	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.26	0.33	0.32	0.25	0.36
FR1 n7 Ant 1	Left Cheek	0.027	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.63	0.66	0.69	0.41	0.56
	Left Tilted	0.025	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.25	0.46	0.37	0.29	0.37
FR1 n12 Ant 0	Right Cheek	0.012	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.32	0.35	0.31	0.25	0.34
	Right Tilted	0.007	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.25	0.32	0.31	0.25	0.36
FR1 n12 Ant 1	Left Cheek	0.057	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.66	0.69	0.72	0.44	0.59
	Left Tilted	0.005	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.23	0.44	0.35	0.27	0.35
FR1 n12 Ant 2	Right Cheek	0.075	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.38	0.42	0.37	0.31	0.41
	Right Tilted	0.026	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.27	0.34	0.33	0.26	0.38
FR1 n12 Ant 3	Left Cheek	0.013	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.62	0.65	0.68	0.39	0.54
	Left Tilted	0.005	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.23	0.44	0.35	0.27	0.35
FR1 n14 Ant 0	Right Cheek	0.144	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.45	0.48	0.44	0.38	0.47
	Right Tilted	0.099	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.35	0.42	0.41	0.34	0.45
FR1 n14 Ant 1	Left Cheek	0.238	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.85	0.88	0.90	0.62	0.77
	Left Tilted	0.147	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.37	0.59	0.49	0.41	0.49
FR1 n14 Ant 2	Right Cheek	0.082	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.39	0.42	0.38	0.32	0.41
	Right Tilted	0.057	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254										



FCC SAR Test Report

Report No. : FA422203

	Left Cheek	0.527	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.13	1.16	1.19	0.91	1.06
	Left Tilted	0.574	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.80	1.01	0.92	0.84	0.92
FR1 n25 Ant 0	Right Cheek	0.113	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.42	0.45	0.41	0.35	0.44
	Right Tilted	0.035	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.28	0.35	0.34	0.27	0.39
FR1 n25 Ant 0	Left Cheek	0.071	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.68	0.71	0.73	0.45	0.60
	Left Tilted	0.060	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.29	0.50	0.41	0.32	0.41
FR1 n25 Ant 1	Right Cheek	0.089	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.40	0.43	0.38	0.32	0.42
	Right Tilted	0.012	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.26	0.33	0.32	0.25	0.36
FR1 n26 Ant 0	Left Cheek	0.064	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.67	0.70	0.73	0.44	0.59
	Left Tilted	0.053	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.28	0.49	0.40	0.32	0.40
FR1 n26 Ant 0	Right Cheek	0.162	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.47	0.50	0.46	0.40	0.49
	Right Tilted	0.101	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.35	0.42	0.41	0.34	0.45
FR1 n26 Ant 0	Left Cheek	0.253	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.86	0.89	0.92	0.63	0.78
	Left Tilted	0.154	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.38	0.59	0.50	0.42	0.50
FR1 n26 Ant 1	Right Cheek	0.109	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.42	0.45	0.40	0.34	0.44
	Right Tilted	0.070	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.32	0.39	0.38	0.31	0.42
FR1 n26 Ant 1	Left Cheek	0.089	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.70	0.73	0.75	0.47	0.62
	Left Tilted	0.012	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.24	0.45	0.36	0.28	0.36



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WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	2+10	6+10	10+11	3+7	3+12	1+4+10	1+8+10	1+10+11	1+5+9	1+5+12
		WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 5+7 Standalone 1g SAR (W/kg)	WLAN 2.4GHz Ant 7 DBS only 1g SAR (W/kg)	WLAN 2.4GHz Ant 5+7 WWAN+non DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 7 WWAN+DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+7 Standalone 1g SAR (W/kg)	WLAN 5GHz Ant 5 DBS only 1g SAR (W/kg)	WLAN 5GHz Ant 5+7 WWAN+non DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5 WWAN+DBS 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	WLAN 6GHz Ant 5+7 1g SAR (W/kg)	WLAN 6GHz Ant 5 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
FR1 n30 Ant 2	Right Cheek	0.891	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.20	1.23	1.18	1.12	1.22
	Right Tilted	0.234	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.48	0.55	0.54	0.47	0.58
	Left Cheek	0.619	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.23	1.26	1.28	1.00	1.15
	Left Tilted	0.132	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.36	0.57	0.48	0.40	0.48
FR1 n30 Ant 3	Right Cheek	0.884	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.19	1.22	1.18	1.12	1.21
	Right Tilted	0.864	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.11	1.18	1.17	1.10	1.21
	Left Cheek	0.641	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.25	1.28	1.30	1.02	1.17
	Left Tilted	0.661	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.89	1.10	1.01	0.92	1.01
FR1 n30 Ant 0	Right Cheek	0.165	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.47	0.51	0.46	0.40	0.50
	Right Tilted	0.058	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.31	0.37	0.37	0.30	0.41
	Left Cheek	0.228	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.84	0.87	0.89	0.61	0.76
	Left Tilted	0.011	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.24	0.45	0.36	0.27	0.36
FR1 n30 Ant 1	Right Cheek	0.065	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.37	0.41	0.36	0.30	0.40
	Right Tilted	0.045	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.29	0.36	0.35	0.28	0.40
	Left Cheek	0.012	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.62	0.65	0.67	0.39	0.54
	Left Tilted	0.010	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.24	0.45	0.36	0.27	0.36
FR1 n66 Ant 2	Right Cheek	0.877	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.19	1.22	1.17	1.11	1.21
	Right Tilted	0.203	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.45	0.52	0.51	0.44	0.55
	Left Cheek	0.403	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.01	1.04	1.07	0.78	0.93
	Left Tilted	0.102	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.33	0.54	0.45	0.37	0.45
FR1 n66 Ant 3	Right Cheek	0.874	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.18	1.21	1.17	1.11	1.20
	Right Tilted	0.787	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.03	1.10	1.09	1.03	1.14
	Left Cheek	0.591	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.20	1.23	1.25	0.97	1.12
	Left Tilted	0.664	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.89	1.10	1.01	0.93	1.01
FR1 n66 Ant 0	Right Cheek	0.071	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.38	0.41	0.36	0.30	0.40
	Right Tilted	0.012	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.26	0.33	0.32	0.25	0.36
	Left Cheek	0.059	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.67	0.70	0.72	0.44	0.59
	Left Tilted	0.007	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.23	0.45	0.35	0.27	0.35
FR1 n66 Ant 1	Right Cheek	0.129	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.44	0.47	0.42	0.36	0.46
	Right Tilted	0.072	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.32	0.39	0.38	0.31	0.42
	Left Cheek	0.085	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.69	0.72	0.75	0.46	0.61
	Left Tilted	0.075	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.30	0.51	0.42	0.34	0.42
FR1 n70 Ant 2	Right Cheek	0.880	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.19	1.22	1.17	1.11	1.21
	Right Tilted	0.205	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.45	0.52	0.51	0.44	0.56
	Left Cheek	0.393	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.00	1.03	1.06	0.77	0.92
	Left Tilted	0.102	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.33	0.54	0.45	0.37	0.45
FR1 n70 Ant 3	Right Cheek	0.889	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.20	1.23	1.18	1.12	1.22
	Right Tilted	0.792	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.04	1.11	1.10	1.03	1.14
	Left Cheek	0.550	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.16	1.19	1.21	0.93	1.08
	Left Tilted	0.657	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.88	1.10	1.00	0.92	1.00
FR1 n70 Ant 0	Right Cheek	0.055	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.36	0.40	0.35	0.29	0.39
	Right Tilted	0.035	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.28	0.35	0.34	0.27	0.39
	Left Cheek	0.056	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.66	0.69	0.72	0.43	0.58
	Left Tilted	0.023	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.25	0.46	0.37	0.29	0.37
FR1 n70 Ant 1	Right Cheek	0.080	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.39	0.42	0.37	0.31	0.41
	Right Tilted	0.039	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033</												



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n71 Ant 0	Right Tilted	0.011	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.26	0.33	0.32	0.25	0.36
	Left Cheek	0.150	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.76	0.79	0.81	0.53	0.68
	Left Tilted	0.076	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.30	0.52	0.42	0.34	0.42
FR1 n71 Ant 1	Right Cheek	0.079	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.39	0.42	0.37	0.31	0.41
	Right Tilted	0.024	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.27	0.34	0.33	0.26	0.37
	Left Cheek	0.074	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.68	0.71	0.74	0.45	0.60
FR1 n41 Ant 2	Left Tilted	0.034	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.26	0.47	0.38	0.30	0.38
	Right Cheek	0.393	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.70	0.73	0.69	0.63	0.72
	Right Tilted	0.071	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.32	0.39	0.38	0.31	0.42
FR1 n41 Ant 3	Left Cheek	0.876	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.48	1.51	1.54	1.25	1.40
	Left Tilted	0.048	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.27	0.49	0.39	0.31	0.40
	Right Cheek	0.823	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.13	1.16	1.12	1.06	1.15
FR1 n41 Ant 0	Right Tilted	0.885	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.13	1.20	1.19	1.12	1.24
	Left Cheek	0.499	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.11	1.14	1.16	0.88	1.03
	Left Tilted	0.588	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.81	1.03	0.93	0.85	0.94
FR1 n41 Ant 1	Right Cheek	0.423	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.73	0.76	0.72	0.66	0.75
	Right Tilted	0.221	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.47	0.54	0.53	0.46	0.57
	Left Cheek	0.850	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.46	1.49	1.51	1.23	1.38
FR1 n41 Ant 4	Left Tilted	0.163	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.39	0.60	0.51	0.43	0.51
	Right Cheek	0.185	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.49	0.53	0.48	0.42	0.52
	Right Tilted	0.056	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.30	0.37	0.36	0.29	0.41
FR1 n48 Ant 4	Left Cheek	0.003	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.61	0.64	0.67	0.38	0.53
	Left Tilted	0.013	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.24	0.45	0.36	0.28	0.36
	Right Cheek	0.877	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.19	1.22	1.17	1.11	1.21
FR1 n48 Ant 6	Right Tilted	0.382	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.63	0.70	0.69	0.62	0.73
	Left Cheek	0.290	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.90	0.93	0.95	0.67	0.82
	Left Tilted	0.212	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.44	0.65	0.56	0.48	0.56
FR1 n48 Ant 3	Right Cheek	0.376	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.69	0.72	0.67	0.61	0.71
	Right Tilted	0.447	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.69	0.76	0.75	0.69	0.80
	Left Cheek	0.763	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.37	1.40	1.43	1.14	1.29
FR1 n48 Ant 8	Left Tilted	0.876	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	1.10	1.32	1.22	1.14	1.22
	Right Cheek	0.779	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.09	1.12	1.07	1.01	1.11
	Right Tilted	0.877	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.12	1.19	1.18	1.12	1.23
FR1 n77 Part 27Q HPUE Ant 4	Left Cheek	0.441	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.05	1.08	1.10	0.82	0.97
	Left Tilted	0.533	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.76	0.97	0.88	0.80	0.88
	Right Cheek	0.739	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.05	1.08	1.03	0.97	1.07
FR1 n77 Part 27Q HPUE Ant 4	Right Tilted	0.125	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.37	0.44	0.43	0.36	0.48
	Left Cheek	0.887	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.49	1.52	1.55	1.27	1.42
	Left Tilted	0.217	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.44	0.66	0.56	0.48	0.56
FR1 n77 Part 27Q HPUE Ant 6	Right Cheek	0.722	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.03	1.06	1.02	0.96	1.05
	Right Tilted	0.207	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.45	0.52	0.51	0.45	0.56
	Left Cheek	0.309	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.92	0.95	0.97	0.69	0.84
FR1 n77 Part 27Q HPUE Ant 6	Left Tilted	0.107	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.33	0.55	0.45	0.37	0.45
	Right Cheek	0.881	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.19	1.22	1.17	1.11	1.21
	Right Tilted	0.699	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.95	1.02	1.01	0.94	1.05
FR1 n77 Part 27Q HPUE Ant 6	Left Cheek	0.258	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	0.87	0.90	0.92	0.64	0.79
	Left Tilted	0.368	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.59	0.81	0.71	0.63	0.72
	Right Cheek	0.362	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75									



FCC SAR Test Report

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n77 Part 270 HPUE Ant 3	Right Tilted	0.875	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.12	1.19	1.18	1.11	1.23
	Left Cheek	0.423	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.03	1.06	1.09	0.80	0.95
	Left Tilted	0.494	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.72	0.93	0.84	0.76	0.84
FR1 n77 Part 270 HPUE Ant 3	Right Cheek	0.737	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.05	1.08	1.03	0.97	1.07
	Right Tilted	0.820	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	1.07	1.14	1.13	1.06	1.17
	Left Cheek	0.396	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.00	1.03	1.06	0.77	0.92
FR1 n77 Part 270 HPUE Ant 8	Left Tilted	0.500	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.73	0.94	0.85	0.76	0.85
	Right Cheek	0.734	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	1.04	1.07	1.03	0.97	1.06
	Right Tilted	0.112	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.36	0.43	0.42	0.35	0.46
FR1 n77 Part 270 HPUE Ant 8	Left Cheek	0.874	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.48	1.51	1.54	1.25	1.40
	Left Tilted	0.172	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.40	0.61	0.52	0.44	0.52
	Right Cheek	0.650	0.670	0.413	0.230	0.103	0.826	0.596	0.261	0.130	0.079	0.214	0.227	0.75	0.91	0.29	1.01	0.64	0.96	0.99	0.94	0.88	0.98
FR1 n77 Part 270 HPUE Ant 8	Right Tilted	0.114	0.621	0.383	0.214	0.096	0.886	0.643	0.283	0.142	0.033	0.274	0.254	0.65	0.92	0.31	1.03	0.64	0.36	0.43	0.42	0.35	0.46
	Left Cheek	0.775	1.251	0.728	0.354	0.181	1.196	0.788	0.384	0.197	0.253	0.409	0.347	1.50	1.45	0.66	1.52	1.08	1.38	1.41	1.44	1.15	1.30
	Left Tilted	0.202	0.481	0.296	0.166	0.074	1.176	0.783	0.379	0.189	0.060	0.285	0.273	0.54	1.24	0.35	1.08	0.57	0.43	0.64	0.55	0.47	0.55



17.3 Hotspot Exposure Conditions

< Flip Open >

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2+6	1+4+6	1+3+5	SPLSR
		WWAN	WLAN2.4GHz Ant 5+7 Simultaneous	WLAN2.4GHz Ant 7 WWAN+DBS	WLAN5GHz Ant 5+7 Simultaneous	WLAN5GHz Ant 5 WWAN+DBS	Bluetooth Ant 7	Summed	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
GSM850 Ant 0	Front	0.941	0.291	0.134	0.418	0.227	0.118	1.35	1.48	1.30	
	Back	1.138	0.197	0.090	0.358	0.195	0.099	1.43	1.60	1.42	1
	Left side	0.887	0.039	0.019	0.059	0.033		0.93	0.95	0.94	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.602						0.60	0.60	0.60	
GSM850 Ant 1	Front	0.489	0.291	0.134	0.418	0.227	0.118	0.90	1.03	0.85	
	Back	0.914	0.197	0.090	0.358	0.195	0.099	1.21	1.37	1.20	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.410	0.621	0.284	0.590	0.289	0.272	1.30	1.27	0.98	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.989						0.99	0.99	0.99	
GSM1900 Ant 0	Front	0.621	0.291	0.134	0.418	0.227	0.118	1.03	1.16	0.98	
	Back	0.750	0.197	0.090	0.358	0.195	0.099	1.05	1.21	1.04	
	Left side	1.277	0.039	0.019	0.059	0.033		1.32	1.34	1.33	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.830						0.83	0.83	0.83	
GSM1900 Ant 2	Front	0.368	0.291	0.134	0.418	0.227	0.118	0.78	0.90	0.73	
	Back	0.313	0.197	0.090	0.358	0.195	0.099	0.61	0.77	0.60	
	Left side	0.618	0.039	0.019	0.059	0.033		0.66	0.68	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.042	0.145	0.066	0.616	0.318	0.022	0.21	0.68	0.43	
	Bottom side							0.00	0.00	0.00	
WCDMA II Ant 2	Front	0.368	0.291	0.134	0.418	0.227	0.118	0.78	0.90	0.73	
	Back	0.319	0.197	0.090	0.358	0.195	0.099	0.62	0.78	0.60	
	Left side	0.624	0.039	0.019	0.059	0.033		0.66	0.68	0.68	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.055	0.145	0.066	0.616	0.318	0.022	0.22	0.69	0.44	
	Bottom side							0.00	0.00	0.00	
WCDMA II Ant 3	Front	0.418	0.291	0.134	0.418	0.227	0.118	0.83	0.95	0.78	
	Back	0.440	0.197	0.090	0.358	0.195	0.099	0.74	0.90	0.73	
	Left side	0.514	0.039	0.019	0.059	0.033		0.55	0.57	0.57	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.621	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
WCDMA II Ant 0	Front	0.648	0.291	0.134	0.418	0.227	0.118	1.06	1.18	1.01	
	Back	0.755	0.197	0.090	0.358	0.195	0.099	1.05	1.21	1.04	
	Left side	1.270	0.039	0.019	0.059	0.033		1.31	1.33	1.32	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.886						0.89	0.89	0.89	
WCDMA II Ant 1	Front	0.723	0.291	0.134	0.418	0.227	0.118	1.13	1.26	1.08	
	Back	1.269	0.197	0.090	0.358	0.195	0.099	1.57	1.73	1.55	2
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.287	0.621	0.284	0.590	0.289	0.272	1.18	1.15	0.86	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.174						1.17	1.17	1.17	



WCDMA IV Ant 2	Front	0.350	0.291	0.134	0.418	0.227	0.118	0.76	0.89	0.71	
	Back	0.271	0.197	0.090	0.358	0.195	0.099	0.57	0.73	0.56	
	Left side	0.614	0.039	0.019	0.059	0.033		0.65	0.67	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.029	0.145	0.066	0.616	0.318	0.022	0.20	0.67	0.41	
	Bottom side							0.00	0.00	0.00	
WCDMA IV Ant 3	Front	0.251	0.291	0.134	0.418	0.227	0.118	0.66	0.79	0.61	
	Back	0.256	0.197	0.090	0.358	0.195	0.099	0.55	0.71	0.54	
	Left side	0.167	0.039	0.019	0.059	0.033		0.21	0.23	0.22	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.621	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
WCDMA IV Ant 0	Front	0.582	0.291	0.134	0.418	0.227	0.118	0.99	1.12	0.94	
	Back	0.665	0.197	0.090	0.358	0.195	0.099	0.96	1.12	0.95	
	Left side	1.284	0.039	0.019	0.059	0.033		1.32	1.34	1.34	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.470						0.47	0.47	0.47	
WCDMA IV Ant 1	Front	0.706	0.291	0.134	0.418	0.227	0.118	1.12	1.24	1.07	
	Back	1.192	0.197	0.090	0.358	0.195	0.099	1.49	1.65	1.48	3
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.289	0.621	0.284	0.590	0.289	0.272	1.18	1.15	0.86	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.270						1.27	1.27	1.27	
WCDMA V Ant 0	Front	0.934	0.291	0.134	0.418	0.227	0.118	1.34	1.47	1.30	
	Back	1.090	0.197	0.090	0.358	0.195	0.099	1.39	1.55	1.38	
	Left side	0.733	0.039	0.019	0.059	0.033		0.77	0.79	0.79	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.563						0.56	0.56	0.56	
WCDMA V Ant 1	Front	0.381	0.291	0.134	0.418	0.227	0.118	0.79	0.92	0.74	
	Back	0.618	0.197	0.090	0.358	0.195	0.099	0.91	1.08	0.90	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.254	0.621	0.284	0.590	0.289	0.272	1.15	1.12	0.83	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.724						0.72	0.72	0.72	
LTE Band 7 Ant 2	Front	0.385	0.291	0.134	0.418	0.227	0.118	0.79	0.92	0.75	
	Back	0.351	0.197	0.090	0.358	0.195	0.099	0.65	0.81	0.64	
	Left side	0.621	0.039	0.019	0.059	0.033		0.66	0.68	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.031	0.145	0.066	0.616	0.318	0.022	0.20	0.67	0.42	
	Bottom side							0.00	0.00	0.00	
LTE Band 7 Ant 3	Front	0.269	0.291	0.134	0.418	0.227	0.118	0.68	0.81	0.63	
	Back	0.337	0.197	0.090	0.358	0.195	0.099	0.63	0.79	0.62	
	Left side	0.105	0.039	0.019	0.059	0.033		0.14	0.16	0.16	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.622	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
LTE Band 7 Ant 0	Front	0.777	0.291	0.134	0.418	0.227	0.118	1.19	1.31	1.14	
	Back	1.128	0.197	0.090	0.358	0.195	0.099	1.42	1.59	1.41	
	Left side	1.285	0.039	0.019	0.059	0.033		1.32	1.34	1.34	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.224						1.22	1.22	1.22	
LTE Band 7 Ant 1	Front	1.164	0.291	0.134	0.418	0.227	0.118	1.57	1.70	1.53	4
	Back	1.146	0.197	0.090	0.358	0.195	0.099	1.44	1.60	1.43	5



	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	1.279	0.621	0.284	0.590	0.289	0.272	2.17	2.14	1.85	6&7&8
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.076						1.08	1.08	1.08	
LTE Band 12 Ant 0	Front	0.720	0.291	0.134	0.418	0.227	0.118	1.13	1.26	1.08	
	Back	0.842	0.197	0.090	0.358	0.195	0.099	1.14	1.30	1.13	
	Left side	0.960	0.039	0.019	0.059	0.033		1.00	1.02	1.01	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.516						0.52	0.52	0.52	
LTE Band 12 Ant 1	Front	0.774	0.291	0.134	0.418	0.227	0.118	1.18	1.31	1.14	
	Back	0.981	0.197	0.090	0.358	0.195	0.099	1.28	1.44	1.27	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.585	0.621	0.284	0.590	0.289	0.272	1.48	1.45	1.16	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.271						1.27	1.27	1.27	
LTE Band 13 Ant 0	Front	0.894	0.291	0.134	0.418	0.227	0.118	1.30	1.43	1.26	
	Back	0.974	0.197	0.090	0.358	0.195	0.099	1.27	1.43	1.26	
	Left side	0.909	0.039	0.019	0.059	0.033		0.95	0.97	0.96	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.468						0.47	0.47	0.47	
LTE Band 13 Ant 1	Front	0.449	0.291	0.134	0.418	0.227	0.118	0.86	0.99	0.81	
	Back	0.699	0.197	0.090	0.358	0.195	0.099	1.00	1.16	0.98	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.398	0.621	0.284	0.590	0.289	0.272	1.29	1.26	0.97	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.845						0.85	0.85	0.85	
LTE Band 14 Ant 0	Front	0.851	0.291	0.134	0.418	0.227	0.118	1.26	1.39	1.21	
	Back	1.001	0.197	0.090	0.358	0.195	0.099	1.30	1.46	1.29	
	Left side	1.061	0.039	0.019	0.059	0.033		1.10	1.12	1.11	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.503						0.50	0.50	0.50	
LTE Band 14 Ant 1	Front	0.605	0.291	0.134	0.418	0.227	0.118	1.01	1.14	0.97	
	Back	0.869	0.197	0.090	0.358	0.195	0.099	1.17	1.33	1.15	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.430	0.621	0.284	0.590	0.289	0.272	1.32	1.29	1.00	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.102						1.10	1.10	1.10	
LTE Band 25 Ant 2	Front	0.416	0.291	0.134	0.418	0.227	0.118	0.83	0.95	0.78	
	Back	0.353	0.197	0.090	0.358	0.195	0.099	0.65	0.81	0.64	
	Left side	0.614	0.039	0.019	0.059	0.033		0.65	0.67	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.050	0.145	0.066	0.616	0.318	0.022	0.22	0.69	0.43	
	Bottom side							0.00	0.00	0.00	
LTE Band 25 Ant 3	Front	0.478	0.291	0.134	0.418	0.227	0.118	0.89	1.01	0.84	
	Back	0.583	0.197	0.090	0.358	0.195	0.099	0.88	1.04	0.87	
	Left side	0.548	0.039	0.019	0.059	0.033		0.59	0.61	0.60	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.617	0.145	0.066	0.616	0.318	0.022	0.78	1.26	1.00	
	Bottom side							0.00	0.00	0.00	
LTE Band 25 Ant 0	Front	0.692	0.291	0.134	0.418	0.227	0.118	1.10	1.23	1.05	
	Back	0.824	0.197	0.090	0.358	0.195	0.099	1.12	1.28	1.11	
	Left side	1.288	0.039	0.019	0.059	0.033		1.33	1.35	1.34	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	



	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.701						0.70	0.70	0.70	
LTE Band 25 Ant 1	Front	1.040	0.291	0.134	0.418	0.227	0.118	1.45	1.58	1.40	
	Back	1.276	0.197	0.090	0.358	0.195	0.099	1.57	1.73	1.56	9
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.382	0.621	0.284	0.590	0.289	0.272	1.28	1.24	0.96	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.287						1.29	1.29	1.29	
LTE Band 26 Ant 0	Front	0.790	0.291	0.134	0.418	0.227	0.118	1.20	1.33	1.15	
	Back	1.233	0.197	0.090	0.358	0.195	0.099	1.53	1.69	1.52	10
	Left side	1.188	0.039	0.019	0.059	0.033		1.23	1.25	1.24	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.653						0.65	0.65	0.65	
LTE Band 26 Ant 1	Front	0.580	0.291	0.134	0.418	0.227	0.118	0.99	1.12	0.94	
	Back	0.853	0.197	0.090	0.358	0.195	0.099	1.15	1.31	1.14	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.392	0.621	0.284	0.590	0.289	0.272	1.29	1.25	0.97	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.099						1.10	1.10	1.10	
LTE Band 30 Ant 2	Front	0.402	0.291	0.134	0.418	0.227	0.118	0.81	0.94	0.76	
	Back	0.384	0.197	0.090	0.358	0.195	0.099	0.68	0.84	0.67	
	Left side	0.627	0.039	0.019	0.059	0.033		0.67	0.69	0.68	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.037	0.145	0.066	0.616	0.318	0.022	0.20	0.68	0.42	
	Bottom side							0.00	0.00	0.00	



WWAN Band	Exposure Position	1	2	3	4	5	6	1+2+6	1+4+6	1+3+5	SPLSR
		WWAN	WLAN2.4GHz Ant 5+7 Simultaneous	WLAN2.4GHz Ant 7 WWAN+DBS	WLAN5GHz Ant 5+7 Simultaneous	WLAN5GHz Ant 5 WWAN+DBS	Bluetooth Ant 7	Summed	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 30 Ant 3	Front	0.500	0.291	0.134	0.418	0.227	0.118	0.91	1.04	0.86	
	Back	0.628	0.197	0.090	0.358	0.195	0.099	0.92	1.09	0.91	
	Left side	0.194	0.039	0.019	0.059	0.033		0.23	0.25	0.25	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.545	0.145	0.066	0.616	0.318	0.022	0.71	1.18	0.93	
	Bottom side							0.00	0.00	0.00	
LTE Band 30 Ant 0	Front	0.869	0.291	0.134	0.418	0.227	0.118	1.28	1.41	1.23	
	Back	0.963	0.197	0.090	0.358	0.195	0.099	1.26	1.42	1.25	
	Left side	0.437	0.039	0.019	0.059	0.033		0.48	0.50	0.49	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.272						1.27	1.27	1.27	
LTE Band 30 Ant 1	Front	0.834	0.291	0.134	0.418	0.227	0.118	1.24	1.37	1.20	
	Back	1.012	0.197	0.090	0.358	0.195	0.099	1.31	1.47	1.30	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.853	0.621	0.284	0.590	0.289	0.272	1.75	1.72	1.43	11&12
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.267						1.27	1.27	1.27	
LTE Band 66 Ant 2	Front	0.339	0.291	0.134	0.418	0.227	0.118	0.75	0.88	0.70	
	Back	0.117	0.197	0.090	0.358	0.195	0.099	0.41	0.57	0.40	
	Left side	0.623	0.039	0.019	0.059	0.033		0.66	0.68	0.68	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.042	0.145	0.066	0.616	0.318	0.022	0.21	0.68	0.43	
	Bottom side							0.00	0.00	0.00	
LTE Band 66 Ant 3	Front	0.140	0.291	0.134	0.418	0.227	0.118	0.55	0.68	0.50	
	Back	0.293	0.197	0.090	0.358	0.195	0.099	0.59	0.75	0.58	
	Left side	0.073	0.039	0.019	0.059	0.033		0.11	0.13	0.13	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.616	0.145	0.066	0.616	0.318	0.022	0.78	1.25	1.00	
	Bottom side							0.00	0.00	0.00	
LTE Band 66 Ant 0	Front	0.573	0.291	0.134	0.418	0.227	0.118	0.98	1.11	0.93	
	Back	0.635	0.197	0.090	0.358	0.195	0.099	0.93	1.09	0.92	
	Left side	1.291	0.039	0.019	0.059	0.033		1.33	1.35	1.34	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.932						0.93	0.93	0.93	
LTE Band 66 Ant 1	Front	1.068	0.291	0.134	0.418	0.227	0.118	1.48	1.60	1.43	13
	Back	1.235	0.197	0.090	0.358	0.195	0.099	1.53	1.69	1.52	14
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.324	0.621	0.284	0.590	0.289	0.272	1.22	1.19	0.90	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.273						1.27	1.27	1.27	
LTE Band 71 Ant 0	Front	0.886	0.291	0.134	0.418	0.227	0.118	1.30	1.42	1.25	
	Back	1.043	0.197	0.090	0.358	0.195	0.099	1.34	1.50	1.33	
	Left side	1.157	0.039	0.019	0.059	0.033		1.20	1.22	1.21	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.533						0.53	0.53	0.53	
LTE Band 71 Ant 1	Front	0.492	0.291	0.134	0.418	0.227	0.118	0.90	1.03	0.85	
	Back	0.583	0.197	0.090	0.358	0.195	0.099	0.88	1.04	0.87	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	



	Right side	0.505	0.621	0.284	0.590	0.289	0.272	1.40	1.37	1.08	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.811						0.81	0.81	0.81	
LTE Band 41 Ant 2	Front	0.592	0.291	0.134	0.418	0.227	0.118	1.00	1.13	0.95	
	Back	0.396	0.197	0.090	0.358	0.195	0.099	0.69	0.85	0.68	
	Left side	0.511	0.039	0.019	0.059	0.033		0.55	0.57	0.56	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.021	0.145	0.066	0.616	0.318	0.022	0.19	0.66	0.41	
	Bottom side							0.00	0.00	0.00	
LTE Band 41 Ant 3	Front	0.282	0.291	0.134	0.418	0.227	0.118	0.69	0.82	0.64	
	Back	0.313	0.197	0.090	0.358	0.195	0.099	0.61	0.77	0.60	
	Left side	0.133	0.039	0.019	0.059	0.033		0.17	0.19	0.19	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.621	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
LTE Band 41 Ant 0	Front	0.551	0.291	0.134	0.418	0.227	0.118	0.96	1.09	0.91	
	Back	0.852	0.197	0.090	0.358	0.195	0.099	1.15	1.31	1.14	
	Left side	1.286	0.039	0.019	0.059	0.033		1.33	1.35	1.34	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.907						0.91	0.91	0.91	
LTE Band 41 Ant 1	Front	1.012	0.291	0.134	0.418	0.227	0.118	1.42	1.55	1.37	
	Back	0.875	0.197	0.090	0.358	0.195	0.099	1.17	1.33	1.16	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	1.279	0.621	0.284	0.590	0.289	0.272	2.17	2.14	1.85	15&16&17
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.436						0.44	0.44	0.44	
LTE Band 48 Ant 4	Front	0.254	0.291	0.134	0.418	0.227	0.118	0.66	0.79	0.62	
	Back	0.216	0.197	0.090	0.358	0.195	0.099	0.51	0.67	0.50	
	Left side	0.628	0.039	0.019	0.059	0.033		0.67	0.69	0.68	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.137	0.145	0.066	0.616	0.318	0.022	0.30	0.78	0.52	
	Bottom side							0.00	0.00	0.00	
LTE Band 48 Ant 6	Front	0.265	0.291	0.134	0.418	0.227	0.118	0.67	0.80	0.63	
	Back	0.276	0.197	0.090	0.358	0.195	0.099	0.57	0.73	0.56	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.054	0.621	0.284	0.590	0.289	0.272	0.95	0.92	0.63	
	Top side	0.634	0.145	0.066	0.616	0.318	0.022	0.80	1.27	1.02	
	Bottom side							0.00	0.00	0.00	
LTE Band 48 Ant 3	Front	0.248	0.291	0.134	0.418	0.227	0.118	0.66	0.78	0.61	
	Back	0.246	0.197	0.090	0.358	0.195	0.099	0.54	0.70	0.53	
	Left side	0.049	0.039	0.019	0.059	0.033		0.09	0.11	0.10	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.622	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
LTE Band 48 Ant 8	Front	0.391	0.291	0.134	0.418	0.227	0.118	0.80	0.93	0.75	
	Back	0.435	0.197	0.090	0.358	0.195	0.099	0.73	0.89	0.72	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.629	0.621	0.284	0.590	0.289	0.272	1.52	1.49	1.20	
	Top side	0.090	0.145	0.066	0.616	0.318	0.022	0.26	0.73	0.47	
	Bottom side							0.00	0.00	0.00	
FR1 n7 Ant 2	Front	0.420	0.291	0.134	0.418	0.227	0.118	0.83	0.96	0.78	
	Back	0.329	0.197	0.090	0.358	0.195	0.099	0.63	0.79	0.61	
	Left side	0.624	0.039	0.019	0.059	0.033		0.66	0.68	0.68	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.033	0.145	0.066	0.616	0.318	0.022	0.20	0.67	0.42	



	Bottom side							0.00	0.00	0.00	
FR1 n7 Ant 3	Front	0.297	0.291	0.134	0.418	0.227	0.118	0.71	0.83	0.66	
	Back	0.306	0.197	0.090	0.358	0.195	0.099	0.60	0.76	0.59	
	Left side	0.133	0.039	0.019	0.059	0.033		0.17	0.19	0.19	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.621	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
FR1 n7 Ant 0	Front	0.739	0.291	0.134	0.418	0.227	0.118	1.15	1.28	1.10	
	Back	0.964	0.197	0.090	0.358	0.195	0.099	1.26	1.42	1.25	
	Left side	0.837	0.039	0.019	0.059	0.033		0.88	0.90	0.89	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.274						1.27	1.27	1.27	
FR1 n7 Ant 1	Front	0.978	0.291	0.134	0.418	0.227	0.118	1.39	1.51	1.34	
	Back	1.018	0.197	0.090	0.358	0.195	0.099	1.31	1.48	1.30	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	1.294	0.621	0.284	0.590	0.289	0.272	2.19	2.16	1.87	18&19&20
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.978						0.98	0.98	0.98	
FR1 n12 Ant 0	Front	0.119	0.291	0.134	0.418	0.227	0.118	0.53	0.66	0.48	
	Back	0.139	0.197	0.090	0.358	0.195	0.099	0.44	0.60	0.42	
	Left side	0.094	0.039	0.019	0.059	0.033		0.13	0.15	0.15	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.098						0.10	0.10	0.10	
FR1 n12 Ant 1	Front	0.452	0.291	0.134	0.418	0.227	0.118	0.86	0.99	0.81	
	Back	0.579	0.197	0.090	0.358	0.195	0.099	0.88	1.04	0.86	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.431	0.621	0.284	0.590	0.289	0.272	1.32	1.29	1.00	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.811						0.81	0.81	0.81	
FR1 n14 Ant 0	Front	0.696	0.291	0.134	0.418	0.227	0.118	1.11	1.23	1.06	
	Back	0.782	0.197	0.090	0.358	0.195	0.099	1.08	1.24	1.07	
	Left side	0.699	0.039	0.019	0.059	0.033		0.74	0.76	0.75	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.460						0.46	0.46	0.46	
FR1 n14 Ant 1	Front	0.425	0.291	0.134	0.418	0.227	0.118	0.83	0.96	0.79	
	Back	0.586	0.197	0.090	0.358	0.195	0.099	0.88	1.04	0.87	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.304	0.621	0.284	0.590	0.289	0.272	1.20	1.17	0.88	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.716						0.72	0.72	0.72	
FR1 n25 Ant 2	Front	0.347	0.291	0.134	0.418	0.227	0.118	0.76	0.88	0.71	
	Back	0.316	0.197	0.090	0.358	0.195	0.099	0.61	0.77	0.60	
	Left side	0.618	0.039	0.019	0.059	0.033		0.66	0.68	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.035	0.145	0.066	0.616	0.318	0.022	0.20	0.67	0.42	
	Bottom side							0.00	0.00	0.00	
FR1 n25 Ant 3	Front	0.414	0.291	0.134	0.418	0.227	0.118	0.82	0.95	0.78	
	Back	0.456	0.197	0.090	0.358	0.195	0.099	0.75	0.91	0.74	
	Left side	0.339	0.039	0.019	0.059	0.033		0.38	0.40	0.39	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.615	0.145	0.066	0.616	0.318	0.022	0.78	1.25	1.00	
	Bottom side							0.00	0.00	0.00	
FR1 n25 Ant	Front	0.732	0.291	0.134	0.418	0.227	0.118	1.14	1.27	1.09	



0	Back	0.913	0.197	0.090	0.358	0.195	0.099	1.21	1.37	1.20	
	Left side	1.053	0.039	0.019	0.059	0.033		1.09	1.11	1.11	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.269						1.27	1.27	1.27	
FR1 n25 Ant 1	Front	0.655	0.291	0.134	0.418	0.227	0.118	1.06	1.19	1.02	
	Back	0.772	0.197	0.090	0.358	0.195	0.099	1.07	1.23	1.06	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.383	0.621	0.284	0.590	0.289	0.272	1.28	1.25	0.96	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
Bottom side	0.971						0.97	0.97	0.97		
FR1 n26 Ant 0	Front	0.880	0.291	0.134	0.418	0.227	0.118	1.29	1.42	1.24	
	Back	0.902	0.197	0.090	0.358	0.195	0.099	1.20	1.36	1.19	
	Left side	0.818	0.039	0.019	0.059	0.033		0.86	0.88	0.87	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
Bottom side	0.487						0.49	0.49	0.49		
FR1 n26 Ant 1	Front	0.375	0.291	0.134	0.418	0.227	0.118	0.78	0.91	0.74	
	Back	0.566	0.197	0.090	0.358	0.195	0.099	0.86	1.02	0.85	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.249	0.621	0.284	0.590	0.289	0.272	1.14	1.11	0.82	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
Bottom side	0.629						0.63	0.63	0.63		



WWAN Band	Exposure Position	1	2	3	4	5	6	1+2+6	1+4+6	1+3+5	SPLSR
		WWAN	WLAN2.4GHz Ant 5+7 Simultaneous	WLAN2.4GHz Ant 7 WWAN+DBS	WLAN5GHz Ant 5+7 Simultaneous	WLAN5GHz Ant 5 WWAN+DBS	Bluetooth Ant 7	Summed	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
FR1 n30 Ant 2	Front	0.477	0.291	0.134	0.418	0.227	0.118	0.89	1.01	0.84	
	Back	0.450	0.197	0.090	0.358	0.195	0.099	0.75	0.91	0.74	
	Left side	0.620	0.039	0.019	0.059	0.033		0.66	0.68	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.046	0.145	0.066	0.616	0.318	0.022	0.21	0.68	0.43	
	Bottom side							0.00	0.00	0.00	
FR1 n30 Ant 3	Front	0.427	0.291	0.134	0.418	0.227	0.118	0.84	0.96	0.79	
	Back	0.413	0.197	0.090	0.358	0.195	0.099	0.71	0.87	0.70	
	Left side	0.230	0.039	0.019	0.059	0.033		0.27	0.29	0.28	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.616	0.145	0.066	0.616	0.318	0.022	0.78	1.25	1.00	
	Bottom side							0.00	0.00	0.00	
FR1 n30 Ant 0	Front	0.873	0.291	0.134	0.418	0.227	0.118	1.28	1.41	1.23	
	Back	0.976	0.197	0.090	0.358	0.195	0.099	1.27	1.43	1.26	
	Left side	0.479	0.039	0.019	0.059	0.033		0.52	0.54	0.53	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.276						1.28	1.28	1.28	
FR1 n30 Ant 1	Front	0.689	0.291	0.134	0.418	0.227	0.118	1.10	1.23	1.05	
	Back	0.771	0.197	0.090	0.358	0.195	0.099	1.07	1.23	1.06	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.664	0.621	0.284	0.590	0.289	0.272	1.56	1.53	1.24	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.284						1.28	1.28	1.28	
FR1 n66 Ant 2	Front	0.406	0.291	0.134	0.418	0.227	0.118	0.82	0.94	0.77	
	Back	0.341	0.197	0.090	0.358	0.195	0.099	0.64	0.80	0.63	
	Left side	0.620	0.039	0.019	0.059	0.033		0.66	0.68	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.056	0.145	0.066	0.616	0.318	0.022	0.22	0.69	0.44	
	Bottom side							0.00	0.00	0.00	
FR1 n66 Ant 3	Front	0.364	0.291	0.134	0.418	0.227	0.118	0.77	0.90	0.73	
	Back	0.386	0.197	0.090	0.358	0.195	0.099	0.68	0.84	0.67	
	Left side	0.253	0.039	0.019	0.059	0.033		0.29	0.31	0.31	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.620	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.00	
	Bottom side							0.00	0.00	0.00	
FR1 n66 Ant 0	Front	0.549	0.291	0.134	0.418	0.227	0.118	0.96	1.09	0.91	
	Back	0.621	0.197	0.090	0.358	0.195	0.099	0.92	1.08	0.91	
	Left side	1.269	0.039	0.019	0.059	0.033		1.31	1.33	1.32	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.444						0.44	0.44	0.44	
FR1 n66 Ant 1	Front	0.772	0.291	0.134	0.418	0.227	0.118	1.18	1.31	1.13	
	Back	1.050	0.197	0.090	0.358	0.195	0.099	1.35	1.51	1.34	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.382	0.621	0.284	0.590	0.289	0.272	1.28	1.24	0.96	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.277						1.28	1.28	1.28	
FR1 n70 Ant 2	Front	0.378	0.291	0.134	0.418	0.227	0.118	0.79	0.91	0.74	
	Back	0.327	0.197	0.090	0.358	0.195	0.099	0.62	0.78	0.61	
	Left side	0.626	0.039	0.019	0.059	0.033		0.67	0.69	0.68	



	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.059	0.145	0.066	0.616	0.318	0.022	0.23	0.70	0.44	
	Bottom side							0.00	0.00	0.00	
FR1 n70 Ant 3	Front	0.285	0.291	0.134	0.418	0.227	0.118	0.69	0.82	0.65	
	Back	0.322	0.197	0.090	0.358	0.195	0.099	0.62	0.78	0.61	
	Left side	0.204	0.039	0.019	0.059	0.033		0.24	0.26	0.26	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.623	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
FR1 n70 Ant 0	Front	0.578	0.291	0.134	0.418	0.227	0.118	0.99	1.11	0.94	
	Back	0.593	0.197	0.090	0.358	0.195	0.099	0.89	1.05	0.88	
	Left side	1.289	0.039	0.019	0.059	0.033		1.33	1.35	1.34	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.426						0.43	0.43	0.43	
FR1 n70 Ant 1	Front	0.793	0.291	0.134	0.418	0.227	0.118	1.20	1.33	1.15	
	Back	1.083	0.197	0.090	0.358	0.195	0.099	1.38	1.54	1.37	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.330	0.621	0.284	0.590	0.289	0.272	1.22	1.19	0.90	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.285						1.29	1.29	1.29	
FR1 n71 Ant 0	Front	0.541	0.291	0.134	0.418	0.227	0.118	0.95	1.08	0.90	
	Back	0.658	0.197	0.090	0.358	0.195	0.099	0.95	1.12	0.94	
	Left side	0.902	0.039	0.019	0.059	0.033		0.94	0.96	0.95	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.513						0.51	0.51	0.51	
FR1 n71 Ant 1	Front	0.395	0.291	0.134	0.418	0.227	0.118	0.80	0.93	0.76	
	Back	0.506	0.197	0.090	0.358	0.195	0.099	0.80	0.96	0.79	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.377	0.621	0.284	0.590	0.289	0.272	1.27	1.24	0.95	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	0.709						0.71	0.71	0.71	
FR1 n41 Ant 2	Front	0.381	0.291	0.134	0.418	0.227	0.118	0.79	0.92	0.74	
	Back	0.363	0.197	0.090	0.358	0.195	0.099	0.66	0.82	0.65	
	Left side	0.617	0.039	0.019	0.059	0.033		0.66	0.68	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.038	0.145	0.066	0.616	0.318	0.022	0.21	0.68	0.42	
	Bottom side							0.00	0.00	0.00	
FR1 n41 Ant 3	Front	0.288	0.291	0.134	0.418	0.227	0.118	0.70	0.82	0.65	
	Back	0.272	0.197	0.090	0.358	0.195	0.099	0.57	0.73	0.56	
	Left side	0.158	0.039	0.019	0.059	0.033		0.20	0.22	0.21	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.621	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
FR1 n41 Ant 0	Front	0.601	0.291	0.134	0.418	0.227	0.118	1.01	1.14	0.96	
	Back	0.779	0.197	0.090	0.358	0.195	0.099	1.08	1.24	1.06	
	Left side	0.871	0.039	0.019	0.059	0.033		0.91	0.93	0.92	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	
	Bottom side	1.276						1.28	1.28	1.28	
FR1 n41 Ant 1	Front	1.071	0.291	0.134	0.418	0.227	0.118	1.48	1.61	1.43	21
	Back	0.870	0.197	0.090	0.358	0.195	0.099	1.17	1.33	1.16	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	1.296	0.621	0.284	0.590	0.289	0.272	2.19	2.16	1.87	22&23&24
	Top side		0.145	0.066	0.616	0.318	0.022	0.17	0.64	0.38	



	Bottom side	0.598						0.60	0.60	0.60	
FR1 n48 Ant 4	Front	0.252	0.291	0.134	0.418	0.227	0.118	0.66	0.79	0.61	
	Back	0.202	0.197	0.090	0.358	0.195	0.099	0.50	0.66	0.49	
	Left side	0.616	0.039	0.019	0.059	0.033		0.66	0.68	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.082	0.145	0.066	0.616	0.318	0.022	0.25	0.72	0.47	
	Bottom side							0.00	0.00	0.00	
FR1 n48 Ant 6	Front	0.301	0.291	0.134	0.418	0.227	0.118	0.71	0.84	0.66	
	Back	0.260	0.197	0.090	0.358	0.195	0.099	0.56	0.72	0.55	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.023	0.621	0.284	0.590	0.289	0.272	0.92	0.89	0.60	
	Top side	0.617	0.145	0.066	0.616	0.318	0.022	0.78	1.26	1.00	
	Bottom side							0.00	0.00	0.00	
FR1 n48 Ant 3	Front	0.333	0.291	0.134	0.418	0.227	0.118	0.74	0.87	0.69	
	Back	0.340	0.197	0.090	0.358	0.195	0.099	0.64	0.80	0.63	
	Left side	0.055	0.039	0.019	0.059	0.033		0.09	0.11	0.11	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.621	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
FR1 n48 Ant 8	Front	0.389	0.291	0.134	0.418	0.227	0.118	0.80	0.93	0.75	
	Back	0.348	0.197	0.090	0.358	0.195	0.099	0.64	0.81	0.63	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.628	0.621	0.284	0.590	0.289	0.272	1.52	1.49	1.20	
	Top side	0.064	0.145	0.066	0.616	0.318	0.022	0.23	0.70	0.45	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 27O HPUE Ant 4	Front	0.236	0.291	0.134	0.418	0.227	0.118	0.65	0.77	0.60	
	Back	0.182	0.197	0.090	0.358	0.195	0.099	0.48	0.64	0.47	
	Left side	0.620	0.039	0.019	0.059	0.033		0.66	0.68	0.67	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.140	0.145	0.066	0.616	0.318	0.022	0.31	0.78	0.52	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 27Q HPUE Ant 4	Front	0.194	0.291	0.134	0.418	0.227	0.118	0.60	0.73	0.56	
	Back	0.163	0.197	0.090	0.358	0.195	0.099	0.46	0.62	0.45	
	Left side	0.497	0.039	0.019	0.059	0.033		0.54	0.56	0.55	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.084	0.145	0.066	0.616	0.318	0.022	0.25	0.72	0.47	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 27O HPUE Ant 6	Front	0.302	0.291	0.134	0.418	0.227	0.118	0.71	0.84	0.66	
	Back	0.390	0.197	0.090	0.358	0.195	0.099	0.69	0.85	0.68	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.104	0.621	0.284	0.590	0.289	0.272	1.00	0.97	0.68	
	Top side	0.618	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.00	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 27Q HPUE Ant 6	Front	0.341	0.291	0.134	0.418	0.227	0.118	0.75	0.88	0.70	
	Back	0.285	0.197	0.090	0.358	0.195	0.099	0.58	0.74	0.57	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.060	0.621	0.284	0.590	0.289	0.272	0.95	0.92	0.63	
	Top side	0.623	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 27O HPUE Ant 3	Front	0.259	0.291	0.134	0.418	0.227	0.118	0.67	0.80	0.62	
	Back	0.287	0.197	0.090	0.358	0.195	0.099	0.58	0.74	0.57	
	Left side	0.152	0.039	0.019	0.059	0.033		0.19	0.21	0.20	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.448	0.145	0.066	0.616	0.318	0.022	0.62	1.09	0.83	
	Bottom side							0.00	0.00	0.00	
FR1 n77	Front	0.316	0.291	0.134	0.418	0.227	0.118	0.73	0.85	0.68	



FCC SAR Test Report

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Part 27Q HPUE Ant 3	Back	0.302	0.197	0.090	0.358	0.195	0.099	0.60	0.76	0.59	
	Left side	0.029	0.039	0.019	0.059	0.033		0.07	0.09	0.08	
	Right side		0.621	0.284	0.590	0.289	0.272	0.89	0.86	0.57	
	Top side	0.624	0.145	0.066	0.616	0.318	0.022	0.79	1.26	1.01	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 27Q HPUE Ant 8	Front	0.357	0.291	0.134	0.418	0.227	0.118	0.77	0.89	0.72	
	Back	0.357	0.197	0.090	0.358	0.195	0.099	0.65	0.81	0.64	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.618	0.621	0.284	0.590	0.289	0.272	1.51	1.48	1.19	
	Top side	0.046	0.145	0.066	0.616	0.318	0.022	0.21	0.68	0.43	
FR1 n77 Part 27Q HPUE Ant 8	Bottom side							0.00	0.00	0.00	
	Front	0.282	0.291	0.134	0.418	0.227	0.118	0.69	0.82	0.64	
	Back	0.246	0.197	0.090	0.358	0.195	0.099	0.54	0.70	0.53	
	Left side		0.039	0.019	0.059	0.033		0.04	0.06	0.05	
	Right side	0.440	0.621	0.284	0.590	0.289	0.272	1.33	1.30	1.01	
FR1 n77 Part 27Q HPUE Ant 8	Top side	0.038	0.145	0.066	0.616	0.318	0.022	0.21	0.68	0.42	
	Bottom side							0.00	0.00	0.00	



<Flip Close >

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2+6	1+4+6	1+3+5
		WWAN	WLAN2.4GHz Ant 5+7 Simultaneous	WLAN2.4GHz Ant 7 WWAN+DBS	WLAN5GHz Ant 5+7 Simultaneous	WLAN5GHz Ant 5 WWAN+DBS	Bluetooth Ant 7	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 0	Front	0.105	0.157	0.072	0.253	0.104	0.059	0.32	0.42	0.28
	Back	0.621	0.079	0.036	0.112	0.026	0.023	0.72	0.76	0.68
	Left side	0.406	0.016	0.007	0.086	0.015	0.003	0.43	0.50	0.43
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.223	0.120	0.056	0.625	0.293	0.011	0.35	0.86	0.57
GSM850 Ant 1	Front	0.041	0.157	0.072	0.253	0.104	0.059	0.26	0.35	0.22
	Back	0.407	0.079	0.036	0.112	0.026	0.023	0.51	0.54	0.47
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.325	0.611	0.281	0.588	0.237	0.204	1.14	1.12	0.84
	Top side							0.00	0.00	0.00
	Bottom side	0.371	0.120	0.056	0.625	0.293	0.011	0.50	1.01	0.72
GSM1900 Ant 0	Front	0.012	0.157	0.072	0.253	0.104	0.059	0.23	0.32	0.19
	Back	0.489	0.079	0.036	0.112	0.026	0.023	0.59	0.62	0.55
	Left side	0.513	0.016	0.007	0.086	0.015	0.003	0.53	0.60	0.54
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.296	0.120	0.056	0.625	0.293	0.011	0.43	0.93	0.65
GSM1900 Ant 2	Front	0.226	0.157	0.072	0.253	0.104	0.059	0.44	0.54	0.40
	Back	0.037	0.079	0.036	0.112	0.026	0.023	0.14	0.17	0.10
	Left side	0.620	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.034						0.03	0.03	0.03
	Bottom side	0.033	0.120	0.056	0.625	0.293	0.011	0.16	0.67	0.38
WCDMA II Ant 2	Front	0.235	0.157	0.072	0.253	0.104	0.059	0.45	0.55	0.41
	Back	0.041	0.079	0.036	0.112	0.026	0.023	0.14	0.18	0.10
	Left side	0.615	0.016	0.007	0.086	0.015	0.003	0.63	0.70	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.036						0.04	0.04	0.04
	Bottom side	0.056	0.120	0.056	0.625	0.293	0.011	0.19	0.69	0.41
WCDMA II Ant 3	Front	0.408	0.157	0.072	0.253	0.104	0.059	0.62	0.72	0.58
	Back	0.111	0.079	0.036	0.112	0.026	0.023	0.21	0.25	0.17
	Left side	0.621	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.531	0.120	0.056	0.625	0.293	0.011	0.66	1.17	0.88
WCDMA II Ant 0	Front	0.080	0.157	0.072	0.253	0.104	0.059	0.30	0.39	0.26
	Back	0.498	0.079	0.036	0.112	0.026	0.023	0.60	0.63	0.56
	Left side	0.618	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.518	0.120	0.056	0.625	0.293	0.011	0.65	1.15	0.87
WCDMA II Ant 1	Front	0.053	0.157	0.072	0.253	0.104	0.059	0.27	0.37	0.23
	Back	0.616	0.079	0.036	0.112	0.026	0.023	0.72	0.75	0.68
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.118	0.611	0.281	0.588	0.237	0.204	0.93	0.91	0.64
	Top side							0.00	0.00	0.00
	Bottom side	0.497	0.120	0.056	0.625	0.293	0.011	0.63	1.13	0.85
WCDMA IV Ant 2	Front	0.223	0.157	0.072	0.253	0.104	0.059	0.44	0.54	0.40
	Back	0.032	0.079	0.036	0.112	0.026	0.023	0.13	0.17	0.09
	Left side	0.620	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64



	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.034						0.03	0.03	0.03
	Bottom side	0.057	0.120	0.056	0.625	0.293	0.011	0.19	0.69	0.41
WCDMA IV Ant 3	Front	0.276	0.157	0.072	0.253	0.104	0.059	0.49	0.59	0.45
	Back	0.079	0.079	0.036	0.112	0.026	0.023	0.18	0.21	0.14
	Left side	0.288	0.016	0.007	0.086	0.015	0.003	0.31	0.38	0.31
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.614	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.96
WCDMA IV Ant 0	Front	0.032	0.157	0.072	0.253	0.104	0.059	0.25	0.34	0.21
	Back	0.383	0.079	0.036	0.112	0.026	0.023	0.49	0.52	0.45
	Left side	0.623	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.245	0.120	0.056	0.625	0.293	0.011	0.38	0.88	0.59
WCDMA IV Ant 1	Front	0.053	0.157	0.072	0.253	0.104	0.059	0.27	0.37	0.23
	Back	0.613	0.079	0.036	0.112	0.026	0.023	0.72	0.75	0.68
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.117	0.611	0.281	0.588	0.237	0.204	0.93	0.91	0.64
	Top side							0.00	0.00	0.00
	Bottom side	0.495	0.120	0.056	0.625	0.293	0.011	0.63	1.13	0.84
WCDMA V Ant 0	Front	0.109	0.157	0.072	0.253	0.104	0.059	0.33	0.42	0.29
	Back	0.620	0.079	0.036	0.112	0.026	0.023	0.72	0.76	0.68
	Left side	0.345	0.016	0.007	0.086	0.015	0.003	0.36	0.43	0.37
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.216	0.120	0.056	0.625	0.293	0.011	0.35	0.85	0.57
WCDMA V Ant 1	Front	0.062	0.157	0.072	0.253	0.104	0.059	0.28	0.37	0.24
	Back	0.544	0.079	0.036	0.112	0.026	0.023	0.65	0.68	0.61
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.354	0.611	0.281	0.588	0.237	0.204	1.17	1.15	0.87
	Top side							0.00	0.00	0.00
	Bottom side	0.463	0.120	0.056	0.625	0.293	0.011	0.59	1.10	0.81
LTE Band 7 Ant 2	Front	0.346	0.157	0.072	0.253	0.104	0.059	0.56	0.66	0.52
	Back	0.173	0.079	0.036	0.112	0.026	0.023	0.28	0.31	0.24
	Left side	0.620	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.062						0.06	0.06	0.06
	Bottom side	0.047	0.120	0.056	0.625	0.293	0.011	0.18	0.68	0.40
LTE Band 7 Ant 3	Front	0.231	0.157	0.072	0.253	0.104	0.059	0.45	0.54	0.41
	Back	0.109	0.079	0.036	0.112	0.026	0.023	0.21	0.24	0.17
	Left side	0.143	0.016	0.007	0.086	0.015	0.003	0.16	0.23	0.17
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.012						0.01	0.01	0.01
	Bottom side	0.613	0.120	0.056	0.625	0.293	0.011	0.74	1.25	0.96
LTE Band 7 Ant 0	Front	0.093	0.157	0.072	0.253	0.104	0.059	0.31	0.41	0.27
	Back	0.464	0.079	0.036	0.112	0.026	0.023	0.57	0.60	0.53
	Left side	0.382	0.016	0.007	0.086	0.015	0.003	0.40	0.47	0.40
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.616	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
LTE Band 7 Ant 1	Front	0.097	0.157	0.072	0.253	0.104	0.059	0.31	0.41	0.27
	Back	0.466	0.079	0.036	0.112	0.026	0.023	0.57	0.60	0.53
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.521	0.611	0.281	0.588	0.237	0.204	1.34	1.31	1.04
	Top side							0.00	0.00	0.00



	Bottom side	0.617	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
LTE Band 12 Ant 0	Front	0.074	0.157	0.072	0.253	0.104	0.059	0.29	0.39	0.25
	Back	0.575	0.079	0.036	0.112	0.026	0.023	0.68	0.71	0.64
	Left side	0.554	0.016	0.007	0.086	0.015	0.003	0.57	0.64	0.58
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.308	0.120	0.056	0.625	0.293	0.011	0.44	0.94	0.66
LTE Band 12 Ant 1	Front	0.047	0.157	0.072	0.253	0.104	0.059	0.26	0.36	0.22
	Back	0.480	0.079	0.036	0.112	0.026	0.023	0.58	0.62	0.54
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.341	0.611	0.281	0.588	0.237	0.204	1.16	1.13	0.86
	Top side							0.00	0.00	0.00
	Bottom side	0.448	0.120	0.056	0.625	0.293	0.011	0.58	1.08	0.80
LTE Band 13 Ant 0	Front	0.118	0.157	0.072	0.253	0.104	0.059	0.33	0.43	0.29
	Back	0.626	0.079	0.036	0.112	0.026	0.023	0.73	0.76	0.69
	Left side	0.600	0.016	0.007	0.086	0.015	0.003	0.62	0.69	0.62
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.314	0.120	0.056	0.625	0.293	0.011	0.45	0.95	0.66
LTE Band 13 Ant 1	Front	0.050	0.157	0.072	0.253	0.104	0.059	0.27	0.36	0.23
	Back	0.528	0.079	0.036	0.112	0.026	0.023	0.63	0.66	0.59
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.377	0.611	0.281	0.588	0.237	0.204	1.19	1.17	0.90
	Top side							0.00	0.00	0.00
	Bottom side	0.463	0.120	0.056	0.625	0.293	0.011	0.59	1.10	0.81
LTE Band 14 Ant 0	Front	0.116	0.157	0.072	0.253	0.104	0.059	0.33	0.43	0.29
	Back	0.581	0.079	0.036	0.112	0.026	0.023	0.68	0.72	0.64
	Left side	0.543	0.016	0.007	0.086	0.015	0.003	0.56	0.63	0.57
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.286	0.120	0.056	0.625	0.293	0.011	0.42	0.92	0.64
LTE Band 14 Ant 1	Front	0.061	0.157	0.072	0.253	0.104	0.059	0.28	0.37	0.24
	Back	0.618	0.079	0.036	0.112	0.026	0.023	0.72	0.75	0.68
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.429	0.611	0.281	0.588	0.237	0.204	1.24	1.22	0.95
	Top side							0.00	0.00	0.00
	Bottom side	0.541	0.120	0.056	0.625	0.293	0.011	0.67	1.18	0.89
LTE Band 25 Ant 2	Front	0.244	0.157	0.072	0.253	0.104	0.059	0.46	0.56	0.42
	Back	0.041	0.079	0.036	0.112	0.026	0.023	0.14	0.18	0.10
	Left side	0.615	0.016	0.007	0.086	0.015	0.003	0.63	0.70	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.045						0.05	0.05	0.05
	Bottom side	0.046	0.120	0.056	0.625	0.293	0.011	0.18	0.68	0.40
LTE Band 25 Ant 3	Front	0.431	0.157	0.072	0.253	0.104	0.059	0.65	0.74	0.61
	Back	0.091	0.079	0.036	0.112	0.026	0.023	0.19	0.23	0.15
	Left side	0.613	0.016	0.007	0.086	0.015	0.003	0.63	0.70	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.535	0.120	0.056	0.625	0.293	0.011	0.67	1.17	0.88
LTE Band 25 Ant 0	Front	0.057	0.157	0.072	0.253	0.104	0.059	0.27	0.37	0.23
	Back	0.566	0.079	0.036	0.112	0.026	0.023	0.67	0.70	0.63
	Left side	0.625	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.396	0.120	0.056	0.625	0.293	0.011	0.53	1.03	0.75
LTE Band 25	Front	0.057	0.157	0.072	0.253	0.104	0.059	0.27	0.37	0.23



Ant 1	Back	0.514	0.079	0.036	0.112	0.026	0.023	0.62	0.65	0.58
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.138	0.611	0.281	0.588	0.237	0.204	0.95	0.93	0.66
	Top side							0.00	0.00	0.00
	Bottom side	0.617	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
LTE Band 26 Ant 0	Front	0.099	0.157	0.072	0.253	0.104	0.059	0.32	0.41	0.28
	Back	0.623	0.079	0.036	0.112	0.026	0.023	0.73	0.76	0.69
	Left side	0.511	0.016	0.007	0.086	0.015	0.003	0.53	0.60	0.53
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
LTE Band 26 Ant 1	Front	0.069	0.157	0.072	0.253	0.104	0.059	0.29	0.38	0.25
	Back	0.622	0.079	0.036	0.112	0.026	0.023	0.72	0.76	0.68
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.419	0.611	0.281	0.588	0.237	0.204	1.23	1.21	0.94
	Top side							0.00	0.00	0.00
LTE Band 30 Ant 2	Bottom side	0.566	0.120	0.056	0.625	0.293	0.011	0.70	1.20	0.92
	Front	0.310	0.157	0.072	0.253	0.104	0.059	0.53	0.62	0.49
	Back	0.080	0.079	0.036	0.112	0.026	0.023	0.18	0.22	0.14
	Left side	0.627	0.016	0.007	0.086	0.015	0.003	0.65	0.72	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.030						0.03	0.03	0.03
	Bottom side	0.029	0.120	0.056	0.625	0.293	0.011	0.16	0.67	0.38



WWAN Band	Exposure Position	1	2	3	4	5	6	1+2+6	1+4+6	1+3+5
		WWAN	WLAN2.4GHz Ant 5+7 Simultaneous	WLAN2.4GHz Ant 7 WWAN+DBS	WLAN5GHz Ant 5+7 Simultaneous	WLAN5GHz Ant 5 WWAN+DBS	Bluetooth Ant 7	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.404	0.157	0.072	0.253	0.104	0.059	0.62	0.72	0.58
	Back	0.127	0.079	0.036	0.112	0.026	0.023	0.23	0.26	0.19
	Left side	0.224	0.016	0.007	0.086	0.015	0.003	0.24	0.31	0.25
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.019						0.02	0.02	0.02
	Bottom side	0.622	0.120	0.056	0.625	0.293	0.011	0.75	1.26	0.97
LTE Band 30 Ant 0	Front	0.073	0.157	0.072	0.253	0.104	0.059	0.29	0.39	0.25
	Back	0.629	0.079	0.036	0.112	0.026	0.023	0.73	0.76	0.69
	Left side	0.278	0.016	0.007	0.086	0.015	0.003	0.30	0.37	0.30
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.612	0.120	0.056	0.625	0.293	0.011	0.74	1.25	0.96
LTE Band 30 Ant 1	Front	0.069	0.157	0.072	0.253	0.104	0.059	0.29	0.38	0.25
	Back	0.415	0.079	0.036	0.112	0.026	0.023	0.52	0.55	0.48
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.338	0.611	0.281	0.588	0.237	0.204	1.15	1.13	0.86
	Top side							0.00	0.00	0.00
	Bottom side	0.620	0.120	0.056	0.625	0.293	0.011	0.75	1.26	0.97
LTE Band 66 Ant 2	Front	0.224	0.157	0.072	0.253	0.104	0.059	0.44	0.54	0.40
	Back	0.052	0.079	0.036	0.112	0.026	0.023	0.15	0.19	0.11
	Left side	0.623	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.043						0.04	0.04	0.04
	Bottom side	0.085	0.120	0.056	0.625	0.293	0.011	0.22	0.72	0.43
LTE Band 66 Ant 3	Front	0.273	0.157	0.072	0.253	0.104	0.059	0.49	0.59	0.45
	Back	0.056	0.079	0.036	0.112	0.026	0.023	0.16	0.19	0.12
	Left side	0.237	0.016	0.007	0.086	0.015	0.003	0.26	0.33	0.26
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.026						0.03	0.03	0.03
	Bottom side	0.618	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
LTE Band 66 Ant 0	Front	0.035	0.157	0.072	0.253	0.104	0.059	0.25	0.35	0.21
	Back	0.337	0.079	0.036	0.112	0.026	0.023	0.44	0.47	0.40
	Left side	0.609	0.016	0.007	0.086	0.015	0.003	0.63	0.70	0.63
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.223	0.120	0.056	0.625	0.293	0.011	0.35	0.86	0.57
LTE Band 66 Ant 1	Front	0.047	0.157	0.072	0.253	0.104	0.059	0.26	0.36	0.22
	Back	0.524	0.079	0.036	0.112	0.026	0.023	0.63	0.66	0.59
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.192	0.611	0.281	0.588	0.237	0.204	1.01	0.98	0.71
	Top side							0.00	0.00	0.00
	Bottom side	0.619	0.120	0.056	0.625	0.293	0.011	0.75	1.26	0.97
LTE Band 71 Ant 0	Front	0.090	0.157	0.072	0.253	0.104	0.059	0.31	0.40	0.27
	Back	0.624	0.079	0.036	0.112	0.026	0.023	0.73	0.76	0.69
	Left side	0.555	0.016	0.007	0.086	0.015	0.003	0.57	0.64	0.58
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.320	0.120	0.056	0.625	0.293	0.011	0.45	0.96	0.67
LTE Band 71 Ant 1	Front	0.024	0.157	0.072	0.253	0.104	0.059	0.24	0.34	0.20
	Back	0.568	0.079	0.036	0.112	0.026	0.023	0.67	0.70	0.63
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02



	Right side	0.400	0.611	0.281	0.588	0.237	0.204	1.22	1.19	0.92
	Top side							0.00	0.00	0.00
	Bottom side	0.567	0.120	0.056	0.625	0.293	0.011	0.70	1.20	0.92
LTE Band 41 Ant 2	Front	0.377	0.157	0.072	0.253	0.104	0.059	0.59	0.69	0.55
	Back	0.199	0.079	0.036	0.112	0.026	0.023	0.30	0.33	0.26
	Left side	0.630	0.016	0.007	0.086	0.015	0.003	0.65	0.72	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.070						0.07	0.07	0.07
	Bottom side	0.048	0.120	0.056	0.625	0.293	0.011	0.18	0.68	0.40
LTE Band 41 Ant 3	Front	0.257	0.157	0.072	0.253	0.104	0.059	0.47	0.57	0.43
	Back	0.118	0.079	0.036	0.112	0.026	0.023	0.22	0.25	0.18
	Left side	0.134	0.016	0.007	0.086	0.015	0.003	0.15	0.22	0.16
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.014						0.01	0.01	0.01
	Bottom side	0.622	0.120	0.056	0.625	0.293	0.011	0.75	1.26	0.97
LTE Band 41 Ant 0	Front	0.107	0.157	0.072	0.253	0.104	0.059	0.32	0.42	0.28
	Back	0.479	0.079	0.036	0.112	0.026	0.023	0.58	0.61	0.54
	Left side	0.475	0.016	0.007	0.086	0.015	0.003	0.49	0.56	0.50
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.619	0.120	0.056	0.625	0.293	0.011	0.75	1.26	0.97
LTE Band 41 Ant 1	Front	0.093	0.157	0.072	0.253	0.104	0.059	0.31	0.41	0.27
	Back	0.373	0.079	0.036	0.112	0.026	0.023	0.48	0.51	0.44
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.622	0.611	0.281	0.588	0.237	0.204	1.44	1.41	1.14
	Top side							0.00	0.00	0.00
	Bottom side	0.352	0.120	0.056	0.625	0.293	0.011	0.48	0.99	0.70
LTE Band 48 Ant 4	Front	0.188	0.157	0.072	0.253	0.104	0.059	0.40	0.50	0.36
	Back	0.080	0.079	0.036	0.112	0.026	0.023	0.18	0.22	0.14
	Left side	0.623	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.104	0.120	0.056	0.625	0.293	0.011	0.24	0.74	0.45
LTE Band 48 Ant 6	Front	0.297	0.157	0.072	0.253	0.104	0.059	0.51	0.61	0.47
	Back	0.042	0.079	0.036	0.112	0.026	0.023	0.14	0.18	0.10
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.072	0.611	0.281	0.588	0.237	0.204	0.89	0.86	0.59
	Top side							0.00	0.00	0.00
	Bottom side	0.633	0.120	0.056	0.625	0.293	0.011	0.76	1.27	0.98
LTE Band 48 Ant 3	Front	0.272	0.157	0.072	0.253	0.104	0.059	0.49	0.58	0.45
	Back	0.194	0.079	0.036	0.112	0.026	0.023	0.30	0.33	0.26
	Left side	0.100	0.016	0.007	0.086	0.015	0.003	0.12	0.19	0.12
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.632	0.120	0.056	0.625	0.293	0.011	0.76	1.27	0.98
LTE Band 48 Ant 8	Front	0.298	0.157	0.072	0.253	0.104	0.059	0.51	0.61	0.47
	Back	0.025	0.079	0.036	0.112	0.026	0.023	0.13	0.16	0.09
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.625	0.611	0.281	0.588	0.237	0.204	1.44	1.42	1.14
	Top side							0.00	0.00	0.00
	Bottom side	0.079	0.120	0.056	0.625	0.293	0.011	0.21	0.72	0.43
FR1 n7 Ant 2	Front	0.298	0.157	0.072	0.253	0.104	0.059	0.51	0.61	0.47
	Back	0.147	0.079	0.036	0.112	0.026	0.023	0.25	0.28	0.21
	Left side	0.622	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.064						0.06	0.06	0.06



	Bottom side	0.026	0.120	0.056	0.625	0.293	0.011	0.16	0.66	0.38
FR1 n7 Ant 3	Front	0.430	0.157	0.072	0.253	0.104	0.059	0.65	0.74	0.61
	Back	0.165	0.079	0.036	0.112	0.026	0.023	0.27	0.30	0.23
	Left side	0.180	0.016	0.007	0.086	0.015	0.003	0.20	0.27	0.20
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.018						0.02	0.02	0.02
	Bottom side	0.621	0.120	0.056	0.625	0.293	0.011	0.75	1.26	0.97
FR1 n7 Ant 0	Front	0.087	0.157	0.072	0.253	0.104	0.059	0.30	0.40	0.26
	Back	0.503	0.079	0.036	0.112	0.026	0.023	0.61	0.64	0.57
	Left side	0.380	0.016	0.007	0.086	0.015	0.003	0.40	0.47	0.40
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.628	0.120	0.056	0.625	0.293	0.011	0.76	1.26	0.98
FR1 n7 Ant 1	Front	0.121	0.157	0.072	0.253	0.104	0.059	0.34	0.43	0.30
	Back	0.623	0.079	0.036	0.112	0.026	0.023	0.73	0.76	0.69
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.571	0.611	0.281	0.588	0.237	0.204	1.39	1.36	1.09
	Top side							0.00	0.00	0.00
	Bottom side	0.595	0.120	0.056	0.625	0.293	0.011	0.73	1.23	0.94
FR1 n12 Ant 0	Front	0.291	0.157	0.072	0.253	0.104	0.059	0.51	0.60	0.47
	Back	0.622	0.079	0.036	0.112	0.026	0.023	0.72	0.76	0.68
	Left side	0.504	0.016	0.007	0.086	0.015	0.003	0.52	0.59	0.53
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.398	0.120	0.056	0.625	0.293	0.011	0.53	1.03	0.75
FR1 n12 Ant 1	Front	0.049	0.157	0.072	0.253	0.104	0.059	0.27	0.36	0.23
	Back	0.491	0.079	0.036	0.112	0.026	0.023	0.59	0.63	0.55
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.342	0.611	0.281	0.588	0.237	0.204	1.16	1.13	0.86
	Top side							0.00	0.00	0.00
	Bottom side	0.431	0.120	0.056	0.625	0.293	0.011	0.56	1.07	0.78
FR1 n14 Ant 0	Front	0.101	0.157	0.072	0.253	0.104	0.059	0.32	0.41	0.28
	Back	0.616	0.079	0.036	0.112	0.026	0.023	0.72	0.75	0.68
	Left side	0.573	0.016	0.007	0.086	0.015	0.003	0.59	0.66	0.60
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.310	0.120	0.056	0.625	0.293	0.011	0.44	0.95	0.66
FR1 n14 Ant 1	Front	0.064	0.157	0.072	0.253	0.104	0.059	0.28	0.38	0.24
	Back	0.586	0.079	0.036	0.112	0.026	0.023	0.69	0.72	0.65
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.471	0.611	0.281	0.588	0.237	0.204	1.29	1.26	0.99
	Top side							0.00	0.00	0.00
	Bottom side	0.614	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.96
FR1 n25 Ant 2	Front	0.266	0.157	0.072	0.253	0.104	0.059	0.48	0.58	0.44
	Back	0.043	0.079	0.036	0.112	0.026	0.023	0.15	0.18	0.11
	Left side	0.616	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.045						0.05	0.05	0.05
	Bottom side	0.079	0.120	0.056	0.625	0.293	0.011	0.21	0.72	0.43
FR1 n25 Ant 3	Front	0.511	0.157	0.072	0.253	0.104	0.059	0.73	0.82	0.69
	Back	0.128	0.079	0.036	0.112	0.026	0.023	0.23	0.26	0.19
	Left side	0.624	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.535	0.120	0.056	0.625	0.293	0.011	0.67	1.17	0.88
FR1 n25 Ant 0	Front	0.070	0.157	0.072	0.253	0.104	0.059	0.29	0.38	0.25



	Back	0.496	0.079	0.036	0.112	0.026	0.023	0.60	0.63	0.56
	Left side	0.534	0.016	0.007	0.086	0.015	0.003	0.55	0.62	0.56
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.616	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
FR1 n25 Ant 1	Front	0.066	0.157	0.072	0.253	0.104	0.059	0.28	0.38	0.24
	Back	0.519	0.079	0.036	0.112	0.026	0.023	0.62	0.65	0.58
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.174	0.611	0.281	0.588	0.237	0.204	0.99	0.97	0.69
	Top side							0.00	0.00	0.00
FR1 n26 Ant 0	Bottom side	0.623	0.120	0.056	0.625	0.293	0.011	0.75	1.26	0.97
	Front	0.136	0.157	0.072	0.253	0.104	0.059	0.35	0.45	0.31
	Back	0.625	0.079	0.036	0.112	0.026	0.023	0.73	0.76	0.69
	Left side	0.523	0.016	0.007	0.086	0.015	0.003	0.54	0.61	0.55
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
FR1 n26 Ant 1	Top side							0.00	0.00	0.00
	Bottom side	0.251	0.120	0.056	0.625	0.293	0.011	0.38	0.89	0.60
	Front	0.065	0.157	0.072	0.253	0.104	0.059	0.28	0.38	0.24
	Back	0.517	0.079	0.036	0.112	0.026	0.023	0.62	0.65	0.58
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.314	0.611	0.281	0.588	0.237	0.204	1.13	1.11	0.83
	Top side							0.00	0.00	0.00
	Bottom side	0.607	0.120	0.056	0.625	0.293	0.011	0.74	1.24	0.96

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2+6	1+4+6	1+3+5
		WWAN	WLAN2.4GHz Ant 5+7 Simultaneous	WLAN2.4GHz Ant 7 WWAN+DBS	WLAN5GHz Ant 5+7 Simultaneous	WLAN5GHz Ant 5 WWAN+DBS	Bluetooth Ant 7	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n30 Ant 2	Front	0.313	0.157	0.072	0.253	0.104	0.059	0.53	0.63	0.49
	Back	0.071	0.079	0.036	0.112	0.026	0.023	0.17	0.21	0.13
	Left side	0.628	0.016	0.007	0.086	0.015	0.003	0.65	0.72	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.032						0.03	0.03	0.03
	Bottom side	0.036	0.120	0.056	0.625	0.293	0.011	0.17	0.67	0.39
FR1 n30 Ant 3	Front	0.550	0.157	0.072	0.253	0.104	0.059	0.77	0.86	0.73
	Back	0.165	0.079	0.036	0.112	0.026	0.023	0.27	0.30	0.23
	Left side	0.280	0.016	0.007	0.086	0.015	0.003	0.30	0.37	0.30
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.019						0.02	0.02	0.02
	Bottom side	0.621	0.120	0.056	0.625	0.293	0.011	0.75	1.26	0.97
FR1 n30 Ant 0	Front	0.079	0.157	0.072	0.253	0.104	0.059	0.30	0.39	0.26
	Back	0.629	0.079	0.036	0.112	0.026	0.023	0.73	0.76	0.69
	Left side	0.290	0.016	0.007	0.086	0.015	0.003	0.31	0.38	0.31
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.612	0.120	0.056	0.625	0.293	0.011	0.74	1.25	0.96
FR1 n30 Ant 1	Front	0.062	0.157	0.072	0.253	0.104	0.059	0.28	0.37	0.24
	Back	0.393	0.079	0.036	0.112	0.026	0.023	0.50	0.53	0.46
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.278	0.611	0.281	0.588	0.237	0.204	1.09	1.07	0.80
	Top side							0.00	0.00	0.00
	Bottom side	0.616	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
FR1 n66 Ant 2	Front	0.275	0.157	0.072	0.253	0.104	0.059	0.49	0.59	0.45
	Back	0.045	0.079	0.036	0.112	0.026	0.023	0.15	0.18	0.11
	Left side	0.628	0.016	0.007	0.086	0.015	0.003	0.65	0.72	0.65



	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.048						0.05	0.05	0.05
	Bottom side	0.106	0.120	0.056	0.625	0.293	0.011	0.24	0.74	0.46
FR1 n66 Ant 3	Front	0.239	0.157	0.072	0.253	0.104	0.059	0.46	0.55	0.42
	Back	0.078	0.079	0.036	0.112	0.026	0.023	0.18	0.21	0.14
	Left side	0.197	0.016	0.007	0.086	0.015	0.003	0.22	0.29	0.22
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.624	0.120	0.056	0.625	0.293	0.011	0.76	1.26	0.97
FR1 n66 Ant 0	Front	0.045	0.157	0.072	0.253	0.104	0.059	0.26	0.36	0.22
	Back	0.364	0.079	0.036	0.112	0.026	0.023	0.47	0.50	0.43
	Left side	0.617	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.274	0.120	0.056	0.625	0.293	0.011	0.41	0.91	0.62
FR1 n66 Ant 1	Front	0.060	0.157	0.072	0.253	0.104	0.059	0.28	0.37	0.24
	Back	0.617	0.079	0.036	0.112	0.026	0.023	0.72	0.75	0.68
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.230	0.611	0.281	0.588	0.237	0.204	1.05	1.02	0.75
	Top side							0.00	0.00	0.00
	Bottom side	0.615	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.96
FR1 n70 Ant 2	Front	0.249	0.157	0.072	0.253	0.104	0.059	0.47	0.56	0.43
	Back	0.064	0.079	0.036	0.112	0.026	0.023	0.17	0.20	0.13
	Left side	0.629	0.016	0.007	0.086	0.015	0.003	0.65	0.72	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.039						0.04	0.04	0.04
	Bottom side	0.090	0.120	0.056	0.625	0.293	0.011	0.22	0.73	0.44
FR1 n70 Ant 3	Front	0.312	0.157	0.072	0.253	0.104	0.059	0.53	0.62	0.49
	Back	0.094	0.079	0.036	0.112	0.026	0.023	0.20	0.23	0.16
	Left side	0.333	0.016	0.007	0.086	0.015	0.003	0.35	0.42	0.36
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.621	0.120	0.056	0.625	0.293	0.011	0.75	1.26	0.97
FR1 n70 Ant 0	Front	0.043	0.157	0.072	0.253	0.104	0.059	0.26	0.36	0.22
	Back	0.322	0.079	0.036	0.112	0.026	0.023	0.42	0.46	0.38
	Left side	0.629	0.016	0.007	0.086	0.015	0.003	0.65	0.72	0.65
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.233	0.120	0.056	0.625	0.293	0.011	0.36	0.87	0.58
FR1 n70 Ant 1	Front	0.053	0.157	0.072	0.253	0.104	0.059	0.27	0.37	0.23
	Back	0.615	0.079	0.036	0.112	0.026	0.023	0.72	0.75	0.68
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.212	0.611	0.281	0.588	0.237	0.204	1.03	1.00	0.73
	Top side							0.00	0.00	0.00
	Bottom side	0.575	0.120	0.056	0.625	0.293	0.011	0.71	1.21	0.92
FR1 n71 Ant 0	Front	0.114	0.157	0.072	0.253	0.104	0.059	0.33	0.43	0.29
	Back	0.619	0.079	0.036	0.112	0.026	0.023	0.72	0.75	0.68
	Left side	0.387	0.016	0.007	0.086	0.015	0.003	0.41	0.48	0.41
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.254	0.120	0.056	0.625	0.293	0.011	0.39	0.89	0.60
FR1 n71 Ant 1	Front	0.055	0.157	0.072	0.253	0.104	0.059	0.27	0.37	0.23
	Back	0.438	0.079	0.036	0.112	0.026	0.023	0.54	0.57	0.50
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.339	0.611	0.281	0.588	0.237	0.204	1.15	1.13	0.86
	Top side							0.00	0.00	0.00



	Bottom side	0.616	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
FR1 n41 Ant 2	Front	0.368	0.157	0.072	0.253	0.104	0.059	0.58	0.68	0.54
	Back	0.183	0.079	0.036	0.112	0.026	0.023	0.29	0.32	0.25
	Left side	0.621	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.074						0.07	0.07	0.07
	Bottom side	0.034	0.120	0.056	0.625	0.293	0.011	0.17	0.67	0.38
FR1 n41 Ant 3	Front	0.334	0.157	0.072	0.253	0.104	0.059	0.55	0.65	0.51
	Back	0.157	0.079	0.036	0.112	0.026	0.023	0.26	0.29	0.22
	Left side	0.139	0.016	0.007	0.086	0.015	0.003	0.16	0.23	0.16
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.013						0.01	0.01	0.01
	Bottom side	0.618	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
FR1 n41 Ant 0	Front	0.085	0.157	0.072	0.253	0.104	0.059	0.30	0.40	0.26
	Back	0.497	0.079	0.036	0.112	0.026	0.023	0.60	0.63	0.56
	Left side	0.576	0.016	0.007	0.086	0.015	0.003	0.60	0.67	0.60
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.627	0.120	0.056	0.625	0.293	0.011	0.76	1.26	0.98
FR1 n41 Ant 1	Front	0.105	0.157	0.072	0.253	0.104	0.059	0.32	0.42	0.28
	Back	0.472	0.079	0.036	0.112	0.026	0.023	0.57	0.61	0.53
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.622	0.611	0.281	0.588	0.237	0.204	1.44	1.41	1.14
	Top side							0.00	0.00	0.00
	Bottom side	0.512	0.120	0.056	0.625	0.293	0.011	0.64	1.15	0.86
FR1 n48 Ant 4	Front	0.192	0.157	0.072	0.253	0.104	0.059	0.41	0.50	0.37
	Back	0.093	0.079	0.036	0.112	0.026	0.023	0.20	0.23	0.16
	Left side	0.621	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.009						0.01	0.01	0.01
	Bottom side	0.332	0.120	0.056	0.625	0.293	0.011	0.46	0.97	0.68
FR1 n48 Ant 6	Front	0.210	0.157	0.072	0.253	0.104	0.059	0.43	0.52	0.39
	Back	0.028	0.079	0.036	0.112	0.026	0.023	0.13	0.16	0.09
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.071	0.611	0.281	0.588	0.237	0.204	0.89	0.86	0.59
	Top side							0.00	0.00	0.00
	Bottom side	0.626	0.120	0.056	0.625	0.293	0.011	0.76	1.26	0.98
FR1 n48 Ant 3	Front	0.191	0.157	0.072	0.253	0.104	0.059	0.41	0.50	0.37
	Back	0.185	0.079	0.036	0.112	0.026	0.023	0.29	0.32	0.25
	Left side	0.177	0.016	0.007	0.086	0.015	0.003	0.20	0.27	0.20
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.626	0.120	0.056	0.625	0.293	0.011	0.76	1.26	0.98
FR1 n48 Ant 8	Front	0.343	0.157	0.072	0.253	0.104	0.059	0.56	0.66	0.52
	Back	0.025	0.079	0.036	0.112	0.026	0.023	0.13	0.16	0.09
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.618	0.611	0.281	0.588	0.237	0.204	1.43	1.41	1.14
	Top side	0.030						0.03	0.03	0.03
	Bottom side	0.085	0.120	0.056	0.625	0.293	0.011	0.22	0.72	0.43
FR1 n77 Part 270 HPUE Ant 4	Front	0.132	0.157	0.072	0.253	0.104	0.059	0.35	0.44	0.31
	Back	0.040	0.079	0.036	0.112	0.026	0.023	0.14	0.18	0.10
	Left side	0.485	0.016	0.007	0.086	0.015	0.003	0.50	0.57	0.51
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.074	0.120	0.056	0.625	0.293	0.011	0.21	0.71	0.42
FR1 n77 Part	Front	0.189	0.157	0.072	0.253	0.104	0.059	0.41	0.50	0.37



27Q HPUE Ant 4	Back	0.054	0.079	0.036	0.112	0.026	0.023	0.16	0.19	0.12
	Left side	0.621	0.016	0.007	0.086	0.015	0.003	0.64	0.71	0.64
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side	0.011						0.01	0.01	0.01
	Bottom side	0.416	0.120	0.056	0.625	0.293	0.011	0.55	1.05	0.77
FR1 n77 Part 27Q HPUE Ant 6	Front	0.223	0.157	0.072	0.253	0.104	0.059	0.44	0.54	0.40
	Back	0.051	0.079	0.036	0.112	0.026	0.023	0.15	0.19	0.11
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.141	0.611	0.281	0.588	0.237	0.204	0.96	0.93	0.66
	Top side							0.00	0.00	0.00
FR1 n77 Part 27Q HPUE Ant 6	Bottom side	0.647	0.120	0.056	0.625	0.293	0.011	0.78	1.28	1.00
	Front	0.269	0.157	0.072	0.253	0.104	0.059	0.49	0.58	0.45
	Back	0.033	0.079	0.036	0.112	0.026	0.023	0.14	0.17	0.10
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.080	0.611	0.281	0.588	0.237	0.204	0.90	0.87	0.60
FR1 n77 Part 27Q HPUE Ant 3	Top side							0.00	0.00	0.00
	Bottom side	0.617	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
	Front	0.277	0.157	0.072	0.253	0.104	0.059	0.49	0.59	0.45
	Back	0.041	0.079	0.036	0.112	0.026	0.023	0.14	0.18	0.10
	Left side	0.064	0.016	0.007	0.086	0.015	0.003	0.08	0.15	0.09
FR1 n77 Part 27Q HPUE Ant 3	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.560	0.120	0.056	0.625	0.293	0.011	0.69	1.20	0.91
	Front	0.262	0.157	0.072	0.253	0.104	0.059	0.48	0.57	0.44
	Back	0.086	0.079	0.036	0.112	0.026	0.023	0.19	0.22	0.15
FR1 n77 Part 27Q HPUE Ant 8	Left side	0.052	0.016	0.007	0.086	0.015	0.003	0.07	0.14	0.07
	Right side		0.611	0.281	0.588	0.237	0.204	0.82	0.79	0.52
	Top side							0.00	0.00	0.00
	Bottom side	0.616	0.120	0.056	0.625	0.293	0.011	0.75	1.25	0.97
	Front	0.302	0.157	0.072	0.253	0.104	0.059	0.52	0.61	0.48
FR1 n77 Part 27Q HPUE Ant 8	Back	0.031	0.079	0.036	0.112	0.026	0.023	0.13	0.17	0.09
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.624	0.611	0.281	0.588	0.237	0.204	1.44	1.42	1.14
	Top side	0.032						0.03	0.03	0.03
	Bottom side	0.060	0.120	0.056	0.625	0.293	0.011	0.19	0.70	0.41
FR1 n77 Part 27Q HPUE Ant 8	Front	0.253	0.157	0.072	0.253	0.104	0.059	0.47	0.57	0.43
	Back	0.038	0.079	0.036	0.112	0.026	0.023	0.14	0.17	0.10
	Left side		0.016	0.007	0.086	0.015	0.003	0.02	0.09	0.02
	Right side	0.504	0.611	0.281	0.588	0.237	0.204	1.32	1.30	1.02
	Top side	0.025						0.03	0.03	0.03
FR1 n77 Part 27Q HPUE Ant 8	Bottom side	0.050	0.120	0.056	0.625	0.293	0.011	0.18	0.69	0.40



17.4 Body-Worn Accessory Exposure Conditions

<Flip open>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	2+10	6+10	10+11	3+7	3+12	1+4+10	1+8+10	1+10+11	1+5+9	1+5+12	SPLSR	
		WWAN	WLAN 2.4GHz Ant 5+7 Standalone	WLAN 2.4GHz Ant 7 DBS only	WLAN 2.4GHz Ant 5+7 WWAN+ non DBS	WLAN 2.4GHz Ant 7 WWAN+ DBS	WLAN 5GHz Ant 5+7 Standalone	WLAN 5GHz Ant 5 DBS only	WLAN 5GHz Ant 5+7 WWAN+ non DBS	WLAN 5GHz Ant 5 WWAN+ DBS	Bluetooth Ant 7	WLAN 6GHz Ant 5+7	WLAN 6GHz Ant 5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed		Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		1g SAR (W/kg)
GSM850 Ant 0	Front	0.941	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.44	1.45	1.09	1.31	1.19		
	Back	1.138	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.46	1.51	1.39	1.37	1.40		
GSM850 Ant 1	Front	0.489	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	0.99	1.00	0.64	0.85	0.74		
	Back	0.887	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.21	1.26	1.14	1.12	1.15		
GSM1900 Ant 0	Front	0.615	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.12	1.13	0.77	0.98	0.86		
	Back	0.743	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.06	1.12	1.00	0.98	1.01		
GSM1900 Ant 2	Front	0.875	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.24	1.12		
	Back	0.744	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.06	1.12	1.00	0.98	1.01		
WCDMA II Ant 2	Front	0.880	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.25	1.13		
	Back	0.754	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.07	1.13	1.01	0.99	1.02		
WCDMA II Ant 3	Front	0.838	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.34	1.35	0.99	1.20	1.09		
	Back	0.882	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.26	1.14	1.12	1.14		
WCDMA II Ant 0	Front	1.097	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.60	1.61	1.25	1.46	1.35	1/2	
	Back	1.269	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.59	1.64	1.53	1.50	1.53	3	
WCDMA II Ant 1	Front	0.852	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.36	1.36	1.00	1.22	1.10		
	Back	1.269	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.59	1.64	1.53	1.50	1.53	4	
WCDMA IV Ant 2	Front	0.889	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.25	1.14		
	Back	0.688	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.01	1.06	0.94	0.92	0.95		
WCDMA IV Ant 3	Front	0.867	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.37	1.38	1.02	1.23	1.12		
	Back	0.886	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.26	1.14	1.12	1.15		
WCDMA IV Ant 0	Front	1.144	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.65	1.65	1.30	1.51	1.39	5/6	
	Back	1.287	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.61	1.66	1.54	1.52	1.55	7/8	
WCDMA IV Ant 1	Front	0.762	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.27	1.27	0.91	1.13	1.01		
	Back	1.286	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.60	1.66	1.54	1.52	1.55	9/10	
WCDMA V Ant 0	Front	0.934	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.44	1.44	1.09	1.30	1.18		
	Back	1.090	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.41	1.47	1.35	1.32	1.35		
WCDMA V Ant 1	Front	0.363	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	0.87	0.87	0.51	0.73	0.61		
	Back	0.517	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.84	0.89	0.77	0.75	0.78		
LTE Band 7 Ant 2	Front	0.879	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.24	1.13		
	Back	0.674	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.99	1.05	0.93	0.91	0.94		
LTE Band 7 Ant 3	Front	0.689	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.19	1.20	0.84	1.05	0.94		
	Back	0.878	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.25	1.13	1.11	1.14		
LTE Band 7 Ant 0	Front	1.053	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.56	1.56	1.20	1.42	1.30		
	Back	1.296	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.61	1.67	1.55	1.53	1.56	11/12	
LTE Band 7 Ant 1	Front	1.268	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.77	1.78	1.42	1.63	1.52	13/14/15	
	Back	1.199	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.52	1.57	1.46	1.43	1.46		
LTE Band 12 Ant 0	Front	0.698	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.20	1.21	0.85	1.06	0.95		
	Back	0.817	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.14	1.19	1.07	1.05	1.08		
LTE Band 12 Ant 1	Front	0.728	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.23	1.24	0.88	1.09	0.98		
	Back	0.922	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.24	1.30	1.18	1.16	1.18		
LTE Band 13 Ant 0	Front	0.894	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.40	1.40	1.05	1.26	1.14		
	Back	0.974	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.29	1.35	1.23	1.21	1.24		
LTE Band 13 Ant 1	Front	0.449	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	0.95	0.96	0.60	0.81	0.70		
	Back	0.699	0.748	0.412	0.213	0.099	0.819	0.560	0																



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14 Ant 1	Back	0.912	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.23	1.29	1.17	1.15	1.17	
LTE Band 25 Ant 2	Front	0.888	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.25	1.14	
	Back	0.740	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.06	1.12	1.00	0.97	1.00	
LTE Band 25 Ant 3	Front	0.730	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.23	1.24	0.88	1.10	0.98	
	Back	0.889	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.21	1.26	1.15	1.12	1.15	
LTE Band 25 Ant 0	Front	1.088	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.59	1.60	1.24	1.45	1.34	16
	Back	1.282	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.60	1.66	1.54	1.52	1.54	17/18
LTE Band 25 Ant 1	Front	1.053	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.56	1.56	1.20	1.42	1.30	
	Back	1.291	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.61	1.67	1.55	1.53	1.55	19/20
LTE Band 26 Ant 0	Front	0.790	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.29	1.30	0.94	1.16	1.04	
	Back	1.233	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.55	1.61	1.49	1.47	1.50	21
LTE Band 26 Ant 1	Front	0.580	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.08	1.09	0.73	0.95	0.83	
	Back	0.853	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.17	1.23	1.11	1.09	1.12	
LTE Band 30 Ant 2	Front	0.878	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.24	1.13	
	Back	0.839	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.16	1.21	1.10	1.07	1.10	



FCC SAR Test Report

Report No. : FA422203

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	2+10	6+10	10+11	3+7	3+12	1+4+10	1+8+10	1+10+11	1+5+9	1+5+12	SPLSR	
		WWAN	WLAN 2.4GHz Ant 5+7 Standalone	WLAN 2.4GHz Ant 7 DBS only	WLAN 2.4GHz Ant 5+7 WWAN+ non DBS	WLAN 2.4GHz Ant 5+7 WWAN+ DBS	WLAN 5GHz Ant 5+7 Standalone	WLAN 5GHz Ant 5 DBS only	WLAN 5GHz Ant 5+7 WWAN+ non DBS	WLAN 5GHz Ant 5 WWAN+ DBS	Bluetooth Ant 7	WLAN 6GHz Ant 5+7	WLAN 6GHz Ant 5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed		Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.700	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.20	1.21	0.85	1.07	0.95		
	Back	0.881	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.26	1.14	1.12	1.14		
LTE Band 30 Ant 0	Front	1.164	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.67	1.67	1.32	1.53	1.41	22/23	
	Back	1.290	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.61	1.67	1.55	1.52	1.55	24/25	
LTE Band 30 Ant 1	Front	1.055	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.56	1.57	1.21	1.42	1.30		
	Back	1.279	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.60	1.65	1.54	1.51	1.54	26/27	
LTE Band 66 Ant 2	Front	0.877	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.24	1.13		
	Back	0.610	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.93	0.99	0.87	0.84	0.87		
LTE Band 66 Ant 3	Front	0.388	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	0.89	0.90	0.54	0.75	0.64		
	Back	0.879	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.25	1.14	1.11	1.14		
LTE Band 66 Ant 0	Front	1.156	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.66	1.67	1.31	1.52	1.41	28/29	
	Back	1.280	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.60	1.66	1.54	1.51	1.54	30/31	
LTE Band 66 Ant 1	Front	1.102	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.61	1.61	1.25	1.47	1.35	32/33	
	Back	1.293	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.61	1.67	1.55	1.53	1.56	34/35	
LTE Band 71 Ant 0	Front	0.836	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.34	1.35	0.99	1.20	1.09		
	Back	0.983	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.30	1.36	1.24	1.22	1.25		
LTE Band 71 Ant 1	Front	0.492	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.00	1.00	0.64	0.86	0.74		
	Back	0.583	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.90	0.96	0.84	0.82	0.85		
LTE Band 41 Ant 2	Front	0.888	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.25	1.14		
	Back	0.565	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.88	0.94	0.82	0.80	0.83		
LTE Band 41 Ant 3	Front	0.679	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.18	1.19	0.83	1.04	0.93		
	Back	0.884	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.26	1.14	1.12	1.15		
LTE Band 41 Ant 0	Front	1.000	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.50	1.51	1.15	1.37	1.25		
	Back	1.287	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.61	1.66	1.54	1.52	1.55	36/37	
LTE Band 41 Ant 1	Front	1.273	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.78	1.78	1.42	1.64	1.52	38/39/40	
	Back	1.020	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.34	1.40	1.28	1.25	1.28		
LTE Band 48 Ant 4	Front	0.902	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.41	1.41	1.05	1.27	1.15		
	Back	0.767	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.09	1.14	1.02	1.00	1.03		
LTE Band 48 Ant 6	Front	0.850	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.35	1.36	1.00	1.22	1.10		
	Back	0.893	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.21	1.27	1.15	1.13	1.16		
LTE Band 48 Ant 3	Front	0.901	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.40	1.41	1.05	1.27	1.15		
	Back	0.883	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.26	1.14	1.12	1.15		
LTE Band 48 Ant 8	Front	0.882	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.39	1.03	1.25	1.13		
	Back	0.852	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.17	1.23	1.11	1.09	1.11		
FR1 n7 Ant 2	Front	0.884	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.39	1.04	1.25	1.13		
	Back	0.693	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.01	1.07	0.95	0.93	0.96		
FR1 n7 Ant 3	Front	0.865	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.37	1.38	1.02	1.23	1.11		
	Back	0.892	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.21	1.27	1.15	1.13	1.15		
FR1 n7 Ant 0	Front	0.976	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.48	1.49	1.13	1.34	1.23		
	Back	1.273	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.59	1.65	1.53	1.51	1.54	41	
FR1 n7 Ant 1	Front	0.982	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.49	1.49	1.13	1.35	1.23		
	Back	1.276	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.59	1.65	1.53	1.51	1.54	42	
FR1 n12 Ant 0	Front	0.119	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	0.62	0.63	0.27	0.48	0.37		
	Back	0.139	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.											



FCC SAR Test Report

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FR1 n25 Ant 2	Front	0.894	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.40	1.40	1.05	1.26	1.14	
	Back	0.814	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.13	1.19	1.07	1.05	1.08	
FR1 n25 Ant 3	Front	0.788	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.29	1.30	0.94	1.15	1.04	
	Back	0.885	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.26	1.14	1.12	1.15	
FR1 n25 Ant 0	Front	1.024	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.53	1.53	1.18	1.39	1.27	
	Back	1.277	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.60	1.65	1.53	1.51	1.54	43/44
FR1 n25 Ant 1	Front	0.655	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.16	1.17	0.81	1.02	0.90	
	Back	0.772	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.09	1.15	1.03	1.01	1.03	
FR1 n26 Ant 0	Front	0.880	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.25	1.13	
	Back	0.902	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.22	1.28	1.16	1.14	1.16	
FR1 n26 Ant 1	Front	0.375	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	0.88	0.89	0.53	0.74	0.62	
	Back	0.555	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.87	0.93	0.81	0.79	0.82	

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	2+10	6+10	10+11	3+7	3+12	1+4+10	1+8+10	1+10+11	1+5+9	1+5+12	SPLSR	
		WWAN	WLAN 2.4GHz Ant 5+7 Standalone	WLAN 2.4GHz Ant 7 DBS only	WLAN 2.4GHz Ant 5+7 WWAN+ non DBS	WLAN 2.4GHz Ant 7 WWAN+ DBS	WLAN 5GHz Ant 5+7 Standalone	WLAN 5GHz Ant 5 DBS only	WLAN 5GHz Ant 5+7 WWAN+ non DBS	WLAN 5GHz Ant 5 WWAN+ DBS	Bluetooth Ant 7	WLAN 6GHz Ant 5+7	WLAN 6GHz Ant 5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed		Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
FR1 n30 Ant 2	Front	0.891	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.26	1.14		
	Back	0.838	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.16	1.21	1.09	1.07	1.10		
FR1 n30 Ant 3	Front	0.878	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.24	1.13		
	Back	0.852	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.17	1.23	1.11	1.09	1.11		
FR1 n30 Ant 0	Front	1.136	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.64	1.65	1.29	1.50	1.39	45/46	
	Back	1.269	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.59	1.64	1.53	1.50	1.53	47	
FR1 n30 Ant 1	Front	1.144	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.65	1.65	1.30	1.51	1.39	48/49	
	Back	1.277	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.60	1.65	1.53	1.51	1.54	50/51	
FR1 n66 Ant 2	Front	0.879	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.24	1.13		
	Back	0.739	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.06	1.11	1.00	0.97	1.00		
FR1 n66 Ant 3	Front	0.840	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.34	1.35	0.99	1.21	1.09		
	Back	0.889	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.21	1.26	1.15	1.12	1.15		
FR1 n66 Ant 0	Front	1.152	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.66	1.66	1.30	1.52	1.40	52/53	
	Back	1.294	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.61	1.67	1.55	1.53	1.56	54/55	
FR1 n66 Ant 1	Front	1.095	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.60	1.61	1.25	1.46	1.34	56/57	
	Back	1.292	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.61	1.67	1.55	1.53	1.55	58/59	
FR1 n70 Ant 2	Front	0.878	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.24	1.13		
	Back	0.754	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.07	1.13	1.01	0.99	1.02		
FR1 n70 Ant 3	Front	0.779	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.28	1.29	0.93	1.14	1.03		
	Back	0.883	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.26	1.14	1.12	1.15		
FR1 n70 Ant 0	Front	1.184	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.69	1.69	1.34	1.55	1.43	60/61	
	Back	1.294	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.61	1.67	1.55	1.53	1.56	62/63	
FR1 n70 Ant 1	Front	0.891	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.26	1.14		
	Back	1.208	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.53	1.58	1.46	1.44	1.47		
FR1 n71 Ant 0	Front	0.555	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.06	1.07	0.71	0.92	0.80		
	Back	0.675	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.99	1.05	0.93	0.91	0.94		
FR1 n71 Ant 1	Front	0.395	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	0.90	0.91	0.55	0.76	0.64		
	Back	0.506	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.82	0.88	0.76	0.74	0.77		
FR1 n41 Ant 2	Front	0.887	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.25	1.14		
	Back	0.612	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.93	0.99	0.87	0.85	0.87		
FR1 n41 Ant 3	Front	0.887	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.25	1.14		
	Back	0.836	0.748	0.412	0.213	0.099	0.819	0.560																	



FR1 n48 Ant 4	Front	0.883	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.39	1.03	1.25	1.13
	Back	0.711	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.03	1.09	0.97	0.95	0.97
FR1 n48 Ant 6	Front	0.890	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.26	1.14
	Back	0.753	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.07	1.13	1.01	0.99	1.02
FR1 n48 Ant 3	Front	0.867	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.37	1.38	1.02	1.23	1.12
	Back	0.885	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.20	1.26	1.14	1.12	1.15
FR1 n48 Ant 8	Front	0.877	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.38	1.39	1.03	1.24	1.13
	Back	0.806	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.12	1.18	1.06	1.04	1.07
FR1 n77 Part 27Q HPUE Ant 4	Front	0.780	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.28	1.29	0.93	1.15	1.03
	Back	0.512	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.83	0.89	0.77	0.75	0.77
FR1 n77 Part 27Q HPUE Ant 4	Front	0.893	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.40	1.40	1.04	1.26	1.14
	Back	0.755	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.07	1.13	1.01	0.99	1.02
FR1 n77 Part 27Q HPUE Ant 3	Front	0.702	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.21	1.21	0.85	1.07	0.95
	Back	0.779	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.10	1.15	1.04	1.01	1.04
FR1 n77 Part 27Q HPUE Ant 3	Front	0.829	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.33	1.34	0.98	1.19	1.08
	Back	0.875	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.19	1.25	1.13	1.11	1.14
FR1 n77 Part 27Q HPUE Ant 6	Front	0.891	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.26	1.14
	Back	0.702	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.02	1.08	0.96	0.94	0.96
FR1 n77 Part 27Q HPUE Ant 6	Front	0.678	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.18	1.19	0.83	1.04	0.93
	Back	0.568	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.89	0.94	0.82	0.80	0.83
FR1 n77 Part 27Q HPUE Ant 8	Front	0.886	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.39	1.40	1.04	1.25	1.14
	Back	0.731	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	1.05	1.11	0.99	0.97	0.99
FR1 n77 Part 27Q HPUE Ant 8	Front	0.623	1.315	0.725	0.376	0.174	1.157	0.791	0.383	0.191	0.127	0.024	0.075	1.44	1.28	0.15	1.52	0.80	1.13	1.13	0.77	0.99	0.87
	Back	0.544	0.748	0.412	0.213	0.099	0.819	0.560	0.270	0.135	0.105	0.151	0.163	0.85	0.92	0.26	0.97	0.58	0.86	0.92	0.80	0.78	0.81

Sensor off

WWAN Band	Exposure Position	1	2	3	4	1+2+4	1+3+4
		WWAN	WLAN2.4GHz Ant 5+7	WLAN5GHz Ant 5+7	Bluetooth Ant 7	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WCDMA IV Ant 0	Front	0.245	0.975	0.710	0.244	1.46	1.20
	Back	0.234	0.521	0.671	0.208	0.96	1.11
WCDMA IV Ant 1	Front	0.323	0.975	0.710	0.244	1.54	1.28
	Back	0.363	0.521	0.671	0.208	1.09	1.24
WCDMA IV Ant 2	Front	0.226	0.975	0.710	0.244	1.45	1.18
	Back	0.127	0.521	0.671	0.208	0.86	1.01
WCDMA IV Ant 3	Front	0.202	0.975	0.710	0.244	1.42	1.16
	Back	0.176	0.521	0.671	0.208	0.91	1.06
GSM1900 Ant 2	Front	0.195	0.975	0.710	0.244	1.41	1.15
	Back	0.137	0.521	0.671	0.208	0.87	1.02
WCDMA II Ant 2	Front	0.340	0.975	0.710	0.244	1.56	1.29
	Back	0.228	0.521	0.671	0.208	0.96	1.11
WCDMA II Ant 3	Front	0.233	0.975	0.710	0.244	1.45	1.19
	Back	0.206	0.521	0.671	0.208	0.94	1.09
WCDMA II Ant 0	Front	0.128	0.975	0.710	0.244	1.35	1.08
	Back	0.116	0.521	0.671	0.208	0.85	1.00
WCDMA II Ant 1	Front	0.112	0.975	0.710	0.244	1.33	1.07
	Back	0.136	0.521	0.671	0.208	0.87	1.02
LTE Band 66 Ant 0	Front	0.259	0.975	0.710	0.244	1.48	1.21
	Back	0.517	0.521	0.671	0.208	1.25	1.40
LTE Band 66 Ant 1	Front	0.311	0.975	0.710	0.244	1.53	1.27
	Back	0.359	0.521	0.671	0.208	1.09	1.24
LTE Band 66 Ant 2	Front	0.352	0.975	0.710	0.244	1.57	1.31
	Back	0.293	0.521	0.671	0.208	1.02	1.17
LTE Band 66 Ant 3	Front	0.222	0.975	0.710	0.244	1.44	1.18
	Back	0.192	0.521	0.671	0.208	0.92	1.07



FR1 n70 Ant 2	Front	0.292	0.975	0.710	0.244	1.51	1.25
	Back	0.240	0.521	0.671	0.208	0.97	1.12
FR1 n70 Ant 3	Front	0.330	0.975	0.710	0.244	1.55	1.28
	Back	0.295	0.521	0.671	0.208	1.02	1.17
FR1 n70 Ant 0	Front	0.236	0.975	0.710	0.244	1.46	1.19
	Back	0.450	0.521	0.671	0.208	1.18	1.33
FR1 n66 Ant 2	Front	0.271	0.975	0.710	0.244	1.49	1.23
	Back	0.259	0.521	0.671	0.208	0.99	1.14
FR1 n66 Ant 3	Front	0.269	0.975	0.710	0.244	1.49	1.22
	Back	0.207	0.521	0.671	0.208	0.94	1.09
FR1 n66 Ant 0	Front	0.268	0.975	0.710	0.244	1.49	1.22
	Back	0.579	0.521	0.671	0.208	1.31	1.46
FR1 n66 Ant 1	Front	0.276	0.975	0.710	0.244	1.50	1.23
	Back	0.349	0.521	0.671	0.208	1.08	1.23
LTE Band 25 Ant 2	Front	0.359	0.975	0.710	0.244	1.58	1.31
	Back	0.259	0.521	0.671	0.208	0.99	1.14
LTE Band 25 Ant 3	Front	0.231	0.975	0.710	0.244	1.45	1.19
	Back	0.187	0.521	0.671	0.208	0.92	1.07
LTE Band 25 Ant 0	Front	0.283	0.975	0.710	0.244	1.50	1.24
	Back	0.262	0.521	0.671	0.208	0.99	1.14
LTE Band 25 Ant 1	Front	0.318	0.975	0.710	0.244	1.54	1.27
	Back	0.360	0.521	0.671	0.208	1.09	1.24
FR1 n25 Ant 2	Front	0.322	0.975	0.710	0.244	1.54	1.28
	Back	0.295	0.521	0.671	0.208	1.02	1.17
FR1 n25 Ant 3	Front	0.266	0.975	0.710	0.244	1.49	1.22
	Back	0.210	0.521	0.671	0.208	0.94	1.09
FR1 n25 Ant 0	Front	0.290	0.975	0.710	0.244	1.51	1.24
	Back	0.287	0.521	0.671	0.208	1.02	1.17
LTE Band 30 Ant 2	Front	0.348	0.975	0.710	0.244	1.57	1.30
	Back	0.255	0.521	0.671	0.208	0.98	1.13
LTE Band 30 Ant 3	Front	0.160	0.975	0.710	0.244	1.38	1.11
	Back	0.517	0.521	0.671	0.208	1.25	1.40
LTE Band 30 Ant 0	Front	0.221	0.975	0.710	0.244	1.44	1.18
	Back	0.200	0.521	0.671	0.208	0.93	1.08
LTE Band 30 Ant 1	Front	0.207	0.975	0.710	0.244	1.43	1.16
	Back	0.225	0.521	0.671	0.208	0.95	1.10



WWAN Band	Exposure Position	1	2	3	4	1+2+4	1+3+4
		WWAN	WLAN2.4GHz Ant 5+7	WLAN5GHz Ant 5+7	Bluetooth Ant 7	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n30 Ant 2	Front	0.320	0.975	0.710	0.244	1.54	1.27
	Back	0.260	0.521	0.671	0.208	0.99	1.14
FR1 n30 Ant 3	Front	0.242	0.975	0.710	0.244	1.46	1.20
	Back	0.198	0.521	0.671	0.208	0.93	1.08
FR1 n30 Ant 0	Front	0.139	0.975	0.710	0.244	1.36	1.09
	Back	0.164	0.521	0.671	0.208	0.89	1.04
FR1 n30 Ant 1	Front	0.149	0.975	0.710	0.244	1.37	1.10
	Back	0.167	0.521	0.671	0.208	0.90	1.05
LTE Band 7 Ant 2	Front	0.306	0.975	0.710	0.244	1.53	1.26
	Back	0.270	0.521	0.671	0.208	1.00	1.15
LTE Band 7 Ant 3	Front	0.277	0.975	0.710	0.244	1.50	1.23
	Back	0.210	0.521	0.671	0.208	0.94	1.09
LTE Band 7 Ant 0	Front	0.288	0.975	0.710	0.244	1.51	1.24
	Back	0.264	0.521	0.671	0.208	0.99	1.14
LTE Band 7 Ant 1	Front	0.259	0.975	0.710	0.244	1.48	1.21
	Back	0.287	0.521	0.671	0.208	1.02	1.17
LTE Band 41 Ant 2	Front	0.304	0.975	0.710	0.244	1.52	1.26
	Back	0.294	0.521	0.671	0.208	1.02	1.17
LTE Band 41 Ant 3	Front	0.144	0.975	0.710	0.244	1.36	1.10
	Back	0.232	0.521	0.671	0.208	0.96	1.11
LTE Band 41 Ant 0	Front	0.127	0.975	0.710	0.244	1.35	1.08
	Back	0.196	0.521	0.671	0.208	0.93	1.08
LTE Band 41 Ant 1	Front	0.244	0.975	0.710	0.244	1.46	1.20
	Back	0.206	0.521	0.671	0.208	0.94	1.09
FR1 n7 Ant 2	Front	0.166	0.975	0.710	0.244	1.39	1.12
	Back	0.137	0.521	0.671	0.208	0.87	1.02
FR1 n7 Ant 3	Front	0.364	0.975	0.710	0.244	1.58	1.32
	Back	0.318	0.521	0.671	0.208	1.05	1.20
FR1 n7 Ant 0	Front	0.218	0.975	0.710	0.244	1.44	1.17
	Back	0.333	0.521	0.671	0.208	1.06	1.21
FR1 n7 Ant 1	Front	0.238	0.975	0.710	0.244	1.46	1.19
	Back	0.391	0.521	0.671	0.208	1.12	1.27
FR1 n41 Ant 2	Front	0.253	0.975	0.710	0.244	1.47	1.21
	Back	0.236	0.521	0.671	0.208	0.97	1.12
FR1 n41 Ant 3	Front	0.216	0.975	0.710	0.244	1.44	1.17
	Back	0.178	0.521	0.671	0.208	0.91	1.06
FR1 n41 Ant 0	Front	0.178	0.975	0.710	0.244	1.40	1.13
	Back	0.163	0.521	0.671	0.208	0.89	1.04
FR1 n41 Ant 1	Front	0.360	0.975	0.710	0.244	1.58	1.31
	Back	0.352	0.521	0.671	0.208	1.08	1.23
LTE Band 48 Ant 4	Front	0.249	0.975	0.710	0.244	1.47	1.20
	Back	0.222	0.521	0.671	0.208	0.95	1.10
LTE Band 48 Ant 6	Front	0.143	0.975	0.710	0.244	1.36	1.10
	Back	0.105	0.521	0.671	0.208	0.83	0.98
LTE Band 48 Ant 3	Front	0.267	0.975	0.710	0.244	1.49	1.22
	Back	0.251	0.521	0.671	0.208	0.98	1.13
LTE Band 48 Ant 8	Front	0.188	0.975	0.710	0.244	1.41	1.14
	Back	0.171	0.521	0.671	0.208	0.90	1.05
FR1 n48 Ant 4	Front	0.314	0.975	0.710	0.244	1.53	1.27
	Back	0.293	0.521	0.671	0.208	1.02	1.17
FR1 n48 Ant 6	Front	0.195	0.975	0.710	0.244	1.41	1.15



FR1 n48 Ant 3	Back	0.124	0.521	0.671	0.208	0.85	1.00
	Front	0.253	0.975	0.710	0.244	1.47	1.21
FR1 n48 Ant 8	Back	0.243	0.521	0.671	0.208	0.97	1.12
	Front	0.218	0.975	0.710	0.244	1.44	1.17
FR1 n77 Part 27O Ant 4	Front	0.333	0.975	0.710	0.244	1.55	1.29
	Back	0.257	0.521	0.671	0.208	0.99	1.14
FR1 n77 Part 27Q Ant 4	Front	0.332	0.975	0.710	0.244	1.55	1.29
	Back	0.244	0.521	0.671	0.208	0.97	1.12
FR1 n77 Part 27O Ant 6	Front	0.322	0.975	0.710	0.244	1.54	1.28
	Back	0.286	0.521	0.671	0.208	1.02	1.17

WWAN Band	Exposure Position	1	2	3	4	1+2+4	1+3+4
		WWAN	WLAN2.4GHz Ant 5+7	WLAN5GHz Ant 5+7	Bluetooth Ant 7	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n77 Part 27Q Ant 6	Front	0.287	0.975	0.710	0.244	1.51	1.24
	Back	0.245	0.521	0.671	0.208	0.97	1.12
FR1 n77 Part 27O Ant 3	Front	0.326	0.975	0.710	0.244	1.55	1.28
	Back	0.260	0.521	0.671	0.208	0.99	1.14
FR1 n77 Part 27Q Ant 3	Front	0.304	0.975	0.710	0.244	1.52	1.26
	Back	0.245	0.521	0.671	0.208	0.97	1.12
FR1 n77 Part 27O Ant 8	Front	0.342	0.975	0.710	0.244	1.56	1.30
	Back	0.271	0.521	0.671	0.208	1.00	1.15
FR1 n77 Part 27Q Ant 8	Front	0.313	0.975	0.710	0.244	1.53	1.27
	Back	0.221	0.521	0.671	0.208	0.95	1.10



<Flip Close >

Table with columns: WWAN Band, Exposure Position, Antenna (1-12, 2+10, 6+10, 10+11, 3+7, 3+12, 1+4+10, 1+8+10, 1+10+11, 1+5+9, 1+5+12), 1g SAR (W/kg). Rows include GSM850, GSM1900, WCDMA, LTE, and various antenna configurations.



FCC SAR Test Report

Report No. : FA422203

25 Ant 2	Back	0.145	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.45	0.41	0.28	0.30	0.23	
LTE Band 25 Ant 3	Front	0.881	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.55	1.38	1.25	1.20
	Back	0.180	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.48	0.44	0.32	0.34	0.27	
LTE Band 25 Ant 0	Front	0.091	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.75	0.76	0.59	0.46	0.41
	Back	0.892	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.03	1.05	0.98	
LTE Band 25 Ant 1	Front	0.086	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.74	0.76	0.58	0.46	0.41
	Back	0.874	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.18	1.13	1.01	1.03	0.96	
LTE Band 26 Ant 0	Front	0.140	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.80	0.81	0.63	0.51	0.46
	Back	0.883	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.14	1.02	1.04	0.97	
LTE Band 26 Ant 1	Front	0.069	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.73	0.74	0.56	0.44	0.39
	Back	0.622	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.92	0.88	0.76	0.78	0.71	
LTE Band 30 Ant 2	Front	0.884	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.56	1.38	1.25	1.21
	Back	0.229	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.53	0.49	0.37	0.39	0.32	

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	2+10	6+10	10+11	3+7	3+12	1+4+10	1+8+10	1+10+11	1+5+9	1+5+12	
		WWAN	WLAN 2.4GHz Ant 5+7 Standalone	WLAN 2.4GHz Ant 7 DBS only	WLAN 2.4GHz Ant 5+7 WWAN+ non DBS	WLAN 2.4GHz Ant 7 WWAN+ DBS	WLAN 5GHz Ant 5+7 Standalone	WLAN 5GHz Ant 5 DBS only	WLAN 5GHz Ant 5+7 WWAN+ non DBS	WLAN 5GHz Ant 5 WWAN+ DBS	Bluetooth Ant 7	WLAN 6GHz Ant 5+7	WLAN 6GHz Ant 5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.894	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.57	1.39	1.26	1.22	
	Back	0.269	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.57	0.53	0.41	0.43	0.36		
LTE Band 30 Ant 0	Front	0.103	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.76	0.78	0.60	0.47	0.43	
	Back	0.885	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.02	1.04	0.97		
LTE Band 30 Ant 1	Front	0.147	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.80	0.82	0.64	0.52	0.47	
	Back	0.883	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.14	1.02	1.04	0.97		
LTE Band 66 Ant 2	Front	0.889	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.56	1.38	1.26	1.21	
	Back	0.193	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.50	0.45	0.33	0.35	0.28		
LTE Band 66 Ant 3	Front	0.817	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.47	1.49	1.31	1.19	1.14	
	Back	0.128	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.43	0.39	0.27	0.29	0.22		
LTE Band 66 Ant 0	Front	0.090	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.75	0.76	0.58	0.46	0.41	
	Back	0.880	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.18	1.14	1.02	1.04	0.97		
LTE Band 66 Ant 1	Front	0.068	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.73	0.74	0.56	0.44	0.39	
	Back	0.888	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.03	1.05	0.98		
LTE Band 71 Ant 0	Front	0.097	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.75	0.77	0.59	0.47	0.42	
	Back	0.669	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.97	0.93	0.81	0.83	0.76		
LTE Band 71 Ant 1	Front	0.024	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.68	0.70	0.52	0.39	0.35	
	Back	0.568	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.87	0.83	0.71	0.73	0.66		
LTE Band 41 Ant 2	Front	0.883	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.56	1.38	1.25	1.21	
	Back	0.459	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.76	0.72	0.60	0.62	0.55		
LTE Band 41 Ant 3	Front	0.881	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.55	1.38	1.25	1.20	
	Back	0.385	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.69	0.65	0.52	0.54	0.47		
LTE Band 41 Ant 0	Front	0.187	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.84	0.86	0.68	0.56	0.51	
	Back	0.893	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.20	1.15	1.03	1.05	0.98		
LTE Band 41 Ant 1	Front	0.187	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.84	0.86	0.68	0.56	0.51	
	Back	0.883	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.14	1.02	1.04	0.97		
LTE Band 48 Ant 4	Front	0.888	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.56	1.38	1.26	1.21	
	Back	0.375	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.68	0.64	0.51	0.53	0.46		
LTE Band 48 Ant 6	Front	0.888	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.56	1.38	1.26	1.21	
	Back	0.111	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.41	0.37	0.25	0.27	0.20		
LTE Band 48 Ant 3	Front	0.831	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.49	1.50	1.33	1.20	1.15	
	Back	0.516	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.82	0.78	0.66	0.67	0.61		
LTE Band 48 Ant 8	Front	0.895	1.208	0.725	0.360	0.179	1.183	0.763																



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Ant 2	Back	0.431	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.73	0.69	0.57	0.59	0.52	
FR1 n7 Ant 3	Front	0.890	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.56	1.38	1.26	1.21
	Back	0.342	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.64	0.60	0.48	0.50	0.43	
FR1 n7 Ant 0	Front	0.153	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.81	0.83	0.65	0.52	0.48
	Back	0.886	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.03	1.04	0.98	
FR1 n7 Ant 1	Front	0.171	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.83	0.84	0.67	0.54	0.49
	Back	0.880	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.18	1.14	1.02	1.04	0.97	
FR1 n12 Ant 0	Front	0.125	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.78	0.80	0.62	0.50	0.45
	Back	0.738	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.04	1.00	0.88	0.90	0.83	
FR1 n12 Ant 1	Front	0.049	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.71	0.72	0.54	0.42	0.37
	Back	0.491	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.79	0.75	0.63	0.65	0.58	
FR1 n14 Ant 0	Front	0.122	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.78	0.80	0.62	0.49	0.45
	Back	0.745	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.05	1.01	0.88	0.90	0.83	
FR1 n14 Ant 1	Front	0.071	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.73	0.74	0.57	0.44	0.39
	Back	0.644	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.95	0.90	0.78	0.80	0.73	
FR1 n25 Ant 2	Front	0.878	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.55	1.37	1.25	1.20
	Back	0.141	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.44	0.40	0.28	0.30	0.23	
FR1 n25 Ant 3	Front	0.890	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.56	1.38	1.26	1.21
	Back	0.224	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.53	0.48	0.36	0.38	0.31	
FR1 n25 Ant 0	Front	0.122	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.78	0.80	0.62	0.49	0.45
	Back	0.883	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.14	1.02	1.04	0.97	
FR1 n25 Ant 1	Front	0.112	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.77	0.79	0.61	0.48	0.44
	Back	0.889	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.03	1.05	0.98	
FR1 n26 Ant 0	Front	0.188	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.85	0.86	0.68	0.56	0.51
	Back	0.865	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.17	1.13	1.00	1.02	0.95	
FR1 n26 Ant 1	Front	0.081	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.74	0.75	0.58	0.45	0.40
	Back	0.645	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.95	0.91	0.78	0.80	0.73	

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	2+10	6+10	10+11	3+7	3+12	1+4+10	1+8+10	1+10+11	1+5+9	1+5+12
		WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 5+7 Standalone 1g SAR (W/kg)	WLAN 2.4GHz Ant 7 DBS only 1g SAR (W/kg)	WLAN 2.4GHz Ant 5+7 WWAN+ non DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 7 WWAN+ DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+7 Standalone 1g SAR (W/kg)	WLAN 5GHz Ant 5 DBS only 1g SAR (W/kg)	WLAN 5GHz Ant 5+7 WWAN+ non DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+7 WWAN+ DBS 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)	WLAN 6GHz Ant 5+7 1g SAR (W/kg)	WLAN 6GHz Ant 5 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
FR1 n30 Ant 2	Front	0.874	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.53	1.55	1.37	1.24	1.20
	Back	0.195	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.50	0.46	0.33	0.35	0.28	
FR1 n30 Ant 3	Front	0.890	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.56	1.38	1.26	1.21
	Back	0.267	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.57	0.53	0.41	0.43	0.36	
FR1 n30 Ant 0	Front	0.112	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.77	0.79	0.61	0.48	0.44
	Back	0.893	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.20	1.15	1.03	1.05	0.98	
FR1 n30 Ant 1	Front	0.140	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.80	0.81	0.63	0.51	0.46
	Back	0.889	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.03	1.05	0.98	
FR1 n66 Ant 2	Front	0.894	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.57	1.39	1.26	1.22
	Back	0.149	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.45	0.41	0.29	0.31	0.24	
FR1 n66 Ant 3	Front	0.634	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.29	1.31	1.13	1.00	0.96
	Back	0.205	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.51	0.47	0.34	0.36	0.29	
FR1 n66 Ant 0	Front	0.108	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.77	0.78	0.60	0.48	0.43
	Back	0.877	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.18	1.14	1.02	1.04	0.97	
FR1 n66 Ant 1	Front	0.085	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.74	0.76	0.58	0.46	0.41
	Back	0.889	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.03	1.05	0.98	
FR1 n70 Ant 2	Front	0.880	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.55	1.37	1.25	1.20
	Back	0.226	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.53	0.49	0.37	0.38	0.32	
FR1 n70 Ant 3	Front	0.892	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.57	1.39	1.26	



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0	Back	0.890	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.03	1.05	0.98	
FR1 n70 Ant 1	Front	0.078	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.74	0.75	0.57	0.45	0.40
	Back	0.893	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.20	1.15	1.03	1.05	0.98	
FR1 n71 Ant 0	Front	0.123	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.78	0.80	0.62	0.49	0.45
	Back	0.672	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.97	0.93	0.81	0.83	0.76	
FR1 n71 Ant 1	Front	0.061	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.72	0.73	0.56	0.43	0.38
	Back	0.600	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.90	0.86	0.74	0.76	0.69	
FR1 n41 Ant 2	Front	0.892	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.57	1.39	1.26	1.22
	Back	0.441	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.74	0.70	0.58	0.60	0.53	
FR1 n41 Ant 3	Front	0.874	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.53	1.55	1.37	1.24	1.20
	Back	0.408	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.71	0.67	0.55	0.57	0.50	
FR1 n41 Ant 0	Front	0.153	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.81	0.83	0.65	0.52	0.48
	Back	0.890	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.03	1.05	0.98	
FR1 n41 Ant 1	Front	0.196	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	0.85	0.87	0.69	0.57	0.52
	Back	0.888	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	1.19	1.15	1.03	1.05	0.98	
FR1 n48 Ant 4	Front	0.875	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.53	1.55	1.37	1.25	1.20
	Back	0.431	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.73	0.69	0.57	0.59	0.52	
FR1 n48 Ant 6	Front	0.888	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.56	1.38	1.26	1.21
	Back	0.120	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.42	0.38	0.26	0.28	0.21	
FR1 n48 Ant 3	Front	0.881	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.55	1.38	1.25	1.20
	Back	0.201	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.50	0.46	0.34	0.36	0.29	
FR1 n48 Ant 8	Front	0.882	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.56	1.38	1.25	1.21
	Back	0.063	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.37	0.32	0.20	0.22	0.15	
FR1 n77 Part 270 HPUE Ant 4	Front	0.602	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.26	1.28	1.10	0.97	0.93
	Back	0.178	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.48	0.44	0.32	0.34	0.27	
FR1 n77 Part 27Q HPUE Ant 4	Front	0.883	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.56	1.38	1.25	1.21
	Back	0.252	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.55	0.51	0.39	0.41	0.34	
FR1 n77 Part 27Q HPUE Ant 6	Front	0.883	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.56	1.38	1.25	1.21
	Back	0.201	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.50	0.46	0.34	0.36	0.29	
FR1 n77 Part 27Q HPUE Ant 6	Front	0.728	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.39	1.40	1.22	1.10	1.05
	Back	0.088	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.39	0.35	0.23	0.25	0.18	
FR1 n77 Part 27Q HPUE Ant 3	Front	0.781	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.44	1.45	1.28	1.15	1.10
	Back	0.115	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.42	0.38	0.25	0.27	0.20	
FR1 n77 Part 27Q HPUE Ant 3	Front	0.891	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.55	1.56	1.39	1.26	1.21
	Back	0.301	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.60	0.56	0.44	0.46	0.39	
FR1 n77 Part 27Q HPUE Ant 8	Front	0.879	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.54	1.55	1.37	1.25	1.20
	Back	0.089	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.39	0.35	0.23	0.25	0.18	
FR1 n77 Part 27Q HPUE Ant 8	Front	0.685	1.208	0.725	0.360	0.179	1.183	0.763	0.376	0.191	0.297	0.197	0.144	1.51	1.48	0.49	1.49	0.87	1.34	1.36	1.18	1.06	1.01
	Back	0.104	0.510	0.362	0.179	0.089	0.303	0.266	0.137	0.069	0.123	0.016	0.63	0.43	0.14	0.63	0.36	0.41	0.36	0.24	0.26	0.19	



Sensor off

WWAN Band	Exposure Position	1	2	3	4	2+4	3+4	1+4
		WWAN	WLAN2.4GHz Ant 5+7	WLAN5GHz Ant 5+7	Bluetooth Ant 7	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WCDMA V Ant 0	Front	0.075	0.595	0.520	0.064	0.66	0.58	0.14
	Back	0.210	0.315	0.189	0.004	0.32	0.19	0.21
WCDMA IV Ant 2	Front	0.421	0.595	0.520	0.064	0.66	0.58	0.49
	Back	0.176	0.315	0.189	0.004	0.32	0.19	0.18
WCDMA IV Ant 0	Front	0.013	0.595	0.520	0.064	0.66	0.58	0.08
	Back	0.134	0.315	0.189	0.004	0.32	0.19	0.14
WCDMA IV Ant 1	Front	0.001	0.595	0.520	0.064	0.66	0.58	0.07
	Back	0.069	0.315	0.189	0.004	0.32	0.19	0.07
GSM1900 Ant 2	Front	0.226	0.595	0.520	0.064	0.66	0.58	0.29
	Back	0.145	0.315	0.189	0.004	0.32	0.19	0.15
WCDMA II Ant 2	Front	0.455	0.595	0.520	0.064	0.66	0.58	0.52
	Back	0.133	0.315	0.189	0.004	0.32	0.19	0.14
WCDMA II Ant 3	Front	0.150	0.595	0.520	0.064	0.66	0.58	0.21
	Back	0.053	0.315	0.189	0.004	0.32	0.19	0.06
WCDMA II Ant 0	Front	0.004	0.595	0.520	0.064	0.66	0.58	0.07
	Back	0.195	0.315	0.189	0.004	0.32	0.19	0.20
WCDMA II Ant 1	Front	0.003	0.595	0.520	0.064	0.66	0.58	0.07
	Back	0.242	0.315	0.189	0.004	0.32	0.19	0.25
LTE Band 26 Ant 0	Front	0.099	0.595	0.520	0.064	0.66	0.58	0.16
	Back	0.241	0.315	0.189	0.004	0.32	0.19	0.25
LTE Band 66 Ant 1	Front	0.028	0.595	0.520	0.064	0.66	0.58	0.09
	Back	0.267	0.315	0.189	0.004	0.32	0.19	0.27
LTE Band 66 Ant 0	Front	0.052	0.595	0.520	0.064	0.66	0.58	0.12
	Back	0.116	0.315	0.189	0.004	0.32	0.19	0.12
LTE Band 66 Ant 2	Front	0.421	0.595	0.520	0.064	0.66	0.58	0.49
	Back	0.190	0.315	0.189	0.004	0.32	0.19	0.19
FR1 n70 Ant 2	Front	0.185	0.595	0.520	0.064	0.66	0.58	0.25
	Back	0.106	0.315	0.189	0.004	0.32	0.19	0.11
FR1 n70 Ant 3	Front	0.127	0.595	0.520	0.064	0.66	0.58	0.19
	Back	0.043	0.315	0.189	0.004	0.32	0.19	0.05
FR1 n70 Ant 0	Front	0.041	0.595	0.520	0.064	0.66	0.58	0.11
	Back	0.183	0.315	0.189	0.004	0.32	0.19	0.19
FR1 n70 Ant 1	Front	0.064	0.595	0.520	0.064	0.66	0.58	0.13
	Back	0.131	0.315	0.189	0.004	0.32	0.19	0.14
FR1 n66 Ant 0	Front	0.070	0.595	0.520	0.064	0.66	0.58	0.13
	Back	0.200	0.315	0.189	0.004	0.32	0.19	0.20
FR1 n66 Ant 2	Front	0.134	0.595	0.520	0.064	0.66	0.58	0.20
	Back	0.074	0.315	0.189	0.004	0.32	0.19	0.08
FR1 n66 Ant 1	Front	0.055	0.595	0.520	0.064	0.66	0.58	0.12
	Back	0.107	0.315	0.189	0.004	0.32	0.19	0.11
LTE Band 25 Ant 1	Front	0.062	0.595	0.520	0.064	0.66	0.58	0.13
	Back	0.399	0.315	0.189	0.004	0.32	0.19	0.40
LTE Band 25 Ant 0	Front	0.053	0.595	0.520	0.064	0.66	0.58	0.12
	Back	0.327	0.315	0.189	0.004	0.32	0.19	0.33
LTE Band 25 Ant 3	Front	0.243	0.595	0.520	0.064	0.66	0.58	0.31
	Back	0.079	0.315	0.189	0.004	0.32	0.19	0.08
LTE Band 25 Ant 2	Front	0.636	0.595	0.520	0.064	0.66	0.58	0.70
	Back	0.109	0.315	0.189	0.004	0.32	0.19	0.11
FR1 n25 Ant 2	Front	0.245	0.595	0.520	0.064	0.66	0.58	0.31
	Back	0.074	0.315	0.189	0.004	0.32	0.19	0.08
FR1 n25 Ant 3	Front	0.154	0.595	0.520	0.064	0.66	0.58	0.22



FR1 n25 Ant 0	Back	0.045	0.315	0.189	0.004	0.32	0.19	0.05
	Front	0.025	0.595	0.520	0.064	0.66	0.58	0.09
FR1 n25 Ant 1	Back	0.123	0.315	0.189	0.004	0.32	0.19	0.13
	Front	0.030	0.595	0.520	0.064	0.66	0.58	0.09
LTE Band 30 Ant 2	Back	0.190	0.315	0.189	0.004	0.32	0.19	0.19
	Front	0.670	0.595	0.520	0.064	0.66	0.58	0.73
LTE Band 30 Ant 3	Back	0.206	0.315	0.189	0.004	0.32	0.19	0.21
	Front	0.143	0.595	0.520	0.064	0.66	0.58	0.21
LTE Band 30 Ant 0	Back	0.075	0.315	0.189	0.004	0.32	0.19	0.08
	Front	0.054	0.595	0.520	0.064	0.66	0.58	0.12
	Back	0.153	0.315	0.189	0.004	0.32	0.19	0.16

WWAN Band	Exposure Position	1	2	3	4	2+4	3+4	1+4
		WWAN	WLAN2.4GHz Ant 5+7	WLAN5GHz Ant 5+7	Bluetooth Ant 7	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 1	Front	0.204	0.595	0.520	0.064	0.66	0.58	0.27
	Back	0.050	0.315	0.189	0.004	0.32	0.19	0.05
FR1 n30 Ant 3	Front	0.094	0.595	0.520	0.064	0.66	0.58	0.16
	Back	0.046	0.315	0.189	0.004	0.32	0.19	0.05
FR1 n30 Ant 2	Front	0.328	0.595	0.520	0.064	0.66	0.58	0.39
	Back	0.099	0.315	0.189	0.004	0.32	0.19	0.10
FR1 n30 Ant 0	Front	0.001	0.595	0.520	0.064	0.66	0.58	0.07
	Back	0.052	0.315	0.189	0.004	0.32	0.19	0.06
FR1 n30 Ant 1	Front	0.047	0.595	0.520	0.064	0.66	0.58	0.11
	Back	0.131	0.315	0.189	0.004	0.32	0.19	0.14
LTE Band 7 Ant 2	Front	0.494	0.595	0.520	0.064	0.66	0.58	0.56
	Back	0.421	0.315	0.189	0.004	0.32	0.19	0.43
LTE Band 7 Ant 3	Front	0.313	0.595	0.520	0.064	0.66	0.58	0.38
	Back	0.154	0.315	0.189	0.004	0.32	0.19	0.16
LTE Band 7 Ant 0	Front	0.128	0.595	0.520	0.064	0.66	0.58	0.19
	Back	0.266	0.315	0.189	0.004	0.32	0.19	0.27
LTE Band 7 Ant 1	Front	0.083	0.595	0.520	0.064	0.66	0.58	0.15
	Back	0.322	0.315	0.189	0.004	0.32	0.19	0.33
LTE Band 41 Ant 1	Front	0.015	0.595	0.520	0.064	0.66	0.58	0.08
	Back	0.127	0.315	0.189	0.004	0.32	0.19	0.13
LTE Band 41 Ant 0	Front	0.061	0.595	0.520	0.064	0.66	0.58	0.13
	Back	0.162	0.315	0.189	0.004	0.32	0.19	0.17
LTE Band 41 Ant 3	Front	0.180	0.595	0.520	0.064	0.66	0.58	0.24
	Back	0.075	0.315	0.189	0.004	0.32	0.19	0.08
LTE Band 41 Ant 2	Front	0.351	0.595	0.520	0.064	0.66	0.58	0.42
	Back	0.258	0.315	0.189	0.004	0.32	0.19	0.26
FR1 n7 Ant 2	Front	0.179	0.595	0.520	0.064	0.66	0.58	0.24
	Back	0.147	0.315	0.189	0.004	0.32	0.19	0.15
FR1 n7 Ant 0	Front	0.048	0.595	0.520	0.064	0.66	0.58	0.11
	Back	0.116	0.315	0.189	0.004	0.32	0.19	0.12
FR1 n7 Ant 3	Front	0.097	0.595	0.520	0.064	0.66	0.58	0.16
	Back	0.054	0.315	0.189	0.004	0.32	0.19	0.06
FR1 n7 Ant 1	Front	0.074	0.595	0.520	0.064	0.66	0.58	0.14
	Back	0.168	0.315	0.189	0.004	0.32	0.19	0.17
FR1 n41 Ant 3	Front	0.122	0.595	0.520	0.064	0.66	0.58	0.19
	Back	0.071	0.315	0.189	0.004	0.32	0.19	0.08
FR1 n41 Ant 0	Front	0.051	0.595	0.520	0.064	0.66	0.58	0.12
	Back	0.127	0.315	0.189	0.004	0.32	0.19	0.13
FR1 n41 Ant 2	Front	0.164	0.595	0.520	0.064	0.66	0.58	0.23
	Back	0.114	0.315	0.189	0.004	0.32	0.19	0.12



FR1 n41 Ant 1	Front	0.086	0.595	0.520	0.064	0.66	0.58	0.15
	Back	0.180	0.315	0.189	0.004	0.32	0.19	0.18
LTE Band 48 Ant 4	Front	0.282	0.595	0.520	0.064	0.66	0.58	0.35
	Back	0.108	0.315	0.189	0.004	0.32	0.19	0.11
LTE Band 48 Ant 6	Front	0.238	0.595	0.520	0.064	0.66	0.58	0.30
	Back	0.094	0.315	0.189	0.004	0.32	0.19	0.10
LTE Band 48 Ant 8	Front	0.200	0.595	0.520	0.064	0.66	0.58	0.26
	Back	0.049	0.315	0.189	0.004	0.32	0.19	0.05
FR1 n48 Ant 8	Front	0.195	0.595	0.520	0.064	0.66	0.58	0.26
	Back	0.037	0.315	0.189	0.004	0.32	0.19	0.04
FR1 n48 Ant 3	Front	0.353	0.595	0.520	0.064	0.66	0.58	0.42
	Back	0.147	0.315	0.189	0.004	0.32	0.19	0.15
FR1 n48 Ant 6	Front	0.210	0.595	0.520	0.064	0.66	0.58	0.27
	Back	0.041	0.315	0.189	0.004	0.32	0.19	0.05
FR1 n48 Ant 4	Front	0.471	0.595	0.520	0.064	0.66	0.58	0.54
	Back	0.168	0.315	0.189	0.004	0.32	0.19	0.17
FR1 n77 Part 27Q Ant 4	Front	0.418	0.595	0.520	0.064	0.66	0.58	0.48
	Back	0.302	0.315	0.189	0.004	0.32	0.19	0.31
FR1 n77 Part 27Q Ant 4	Front	0.535	0.595	0.520	0.064	0.66	0.58	0.60
	Back	0.254	0.315	0.189	0.004	0.32	0.19	0.26
FR1 n77 Part 27Q Ant 6	Front	0.345	0.595	0.520	0.064	0.66	0.58	0.41
	Back	0.123	0.315	0.189	0.004	0.32	0.19	0.13

WWAN Band	Exposure Position	1	2	3	4	2+4	3+4	1+4
		WWAN	WLAN2.4GHz Ant 5+7	WLAN5GHz Ant 5+7	Bluetooth Ant 7	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n77 Part 27Q Ant 6	Front	0.362	0.595	0.520	0.064	0.66	0.58	0.43
	Back	0.157	0.315	0.189	0.004	0.32	0.19	0.16
FR1 n77 Part 27Q Ant 3	Front	0.424	0.595	0.520	0.064	0.66	0.58	0.49
	Back	0.242	0.315	0.189	0.004	0.32	0.19	0.25
FR1 n77 Part 27Q Ant 3	Front	0.414	0.595	0.520	0.064	0.66	0.58	0.48
	Back	0.256	0.315	0.189	0.004	0.32	0.19	0.26
FR1 n77 Part 27Q Ant 8	Front	0.343	0.595	0.520	0.064	0.66	0.58	0.41
	Back	0.085	0.315	0.189	0.004	0.32	0.19	0.09
FR1 n77 Part 27Q Ant 8	Front	0.343	0.595	0.520	0.064	0.66	0.58	0.41
	Back	0.121	0.315	0.189	0.004	0.32	0.19	0.13



17.5 Product specific 10g SAR Exposure Conditions

< Flip Open >

Table with columns for Wwan Band, Exposure Position, and SAR values (10g SAR (W/kg)) for various frequency bands (1-13) and antenna configurations (Ant 0, Ant 1, Ant 2, Ant 3, Ant 4).



FCC SAR Test Report

Report No. : FA422203

	side																							
	Top side	2.468	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.88	3.42	3.03	3.14	3.02
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA IV Ant 0	Front	1.472	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.04	2.37	1.82	2.19	1.92
	Back	1.819	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.09	2.32	2.00	2.20	2.05
	Left side	2.103					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.10	2.10	2.11	2.10	2.10
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA IV Ant 1	Front	2.610	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	3.17	3.51	2.96	3.32	3.06
	Back	2.336	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.61	2.84	2.52	2.71	2.57
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.954												0.001	0.00	0.00	0.00	0.00	0.00	2.96	2.96	2.96	2.96	2.96
LTE Band 7 Ant 2	Front	2.148	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.71	3.05	2.50	2.86	2.60
	Back	1.603	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.88	2.10	1.78	1.98	1.84
	Left side	2.462					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.46	2.46	2.47	2.46	2.46
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 7 Ant 3	Front	1.288	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.85	2.19	1.64	2.00	1.74
	Back	0.770	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.04	1.27	0.95	1.15	1.01
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.480	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.89	3.43	3.04	3.15	3.03
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 7 Ant 0	Front	2.352	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.92	3.25	2.70	3.07	2.80
	Back	3.188	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	3.46	3.69	3.37	3.57	3.42
	Left side	1.433					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.43	1.43	1.44	1.43	1.43
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.702												0.001	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	2.70	2.70
LTE Band 7 Ant 1	Front	1.338	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.90	2.24	1.69	2.05	1.79
	Back	1.880	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.15	2.38	2.06	2.26	2.12
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side	0.844	3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	2.05	1.98	1.56	1.71	1.30
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	3.142												0.001	0.00	0.00	0.00	0.00	0.00	3.14	3.14	3.14	3.14	3.14
LTE Band 12 Ant 1	Front		1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	0.56	0.90	0.35	0.71	0.45
	Back		0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	0.27	0.50	0.18	0.38	0.24
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.302												0.001	0.00	0.00	0.00	0.00	0.00	2.30	2.30	2.30	2.30	2.30
LTE Band 25 Ant 2	Front	2.480	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	3.04	3.38	2.83	3.19	2.93
	Back	2.037	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.31	2.54	2.22	2.42	2.27
	Left side	1.619					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.62	1.62	1.63	1.62	1.62
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 25 Ant 3	Front	1.804	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.37	2.71	2.15	2.52	2.25
	Back	1.487	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.76	1.99	1.67	1.87	1.72
	Left side	1.842					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.84	1.84	1.85	1.84	1.84



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	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.438	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.85	3.39	3.00	3.11	2.99
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 25 Ant 0	Front	2.169	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.73	3.07	2.52	2.88	2.62
	Back	3.193	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	3.47	3.69	3.37	3.57	3.43
	Left side	1.850					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.85	1.85	1.86	1.85	1.85
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.556												0.001	0.00	0.00	0.00	0.00	0.00	2.56	2.56	2.56	2.56	2.56
LTE Band 25 Ant 1	Front	2.579	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	3.14	3.48	2.93	3.29	3.03
	Back	2.538	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.81	3.04	2.72	2.92	2.77
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	3.176												0.001	0.00	0.00	0.00	0.00	0.00	3.18	3.18	3.18	3.18	3.18
LTE Band 26 Ant 0	Front		1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	0.56	0.90	0.35	0.71	0.45
	Back	1.496	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.77	2.00	1.68	1.87	1.73
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 30 Ant 2	Front	2.359	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.92	3.26	2.71	3.07	2.81
	Back	2.098	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.37	2.60	2.28	2.48	2.33
	Left side	2.463					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.46	2.46	2.47	2.46	2.46
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	13	2+10+13	6+10+13	10+11+13	3+7+13	3+12+13	1+4+10+13	1+8+10+13	1+10+11+13	1+5+9+13	1+5+12+13	
		10g SAR (W/kg)	WLAN 2.4GHz Ant 5+7 Standalone	WLAN 2.4GHz Ant 7 DBS only	WLAN 2.4GHz Ant 5+7 WWAN+ non DBS	WLAN 2.4GHz Ant 7 WWAN+ DBS	WLAN 5GHz Ant 5+7 Standalone	WLAN 5GHz Ant 5 DBS only	WLAN 5GHz Ant 5+7 WWAN+ non DBS	WLAN 5GHz Ant 5 WWAN+ DBS	Bluetooth Ant 7	WLAN 6GHz Ant 5+7	WLAN 6GHz Ant 5	NFC	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
LTE Band 30 Ant 3	Front	1.614	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.18	2.52	1.96	2.33	2.06	
	Back	1.229	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.50	1.73	1.41	1.61	1.46	
	Left side	0.587					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.59	0.59	0.59	0.59	0.59	
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46	
	Top side	2.465	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.88	3.41	3.02	3.14	3.01	
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Summed																								
LTE Band 30 Ant 0	Front	2.525	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	3.09	3.43	2.87	3.24	2.97	
	Back	3.142	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	3.42	3.64	3.32	3.52	3.38	
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00	
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46	
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55	
	Bottom side	2.688												0.001	0.00	0.00	0.00	0.00	0.00	2.69	2.69	2.69	2.69	2.69	
	Summed																								
LTE Band 30 Ant 1	Front	1.903	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.47	2.80	2.25	2.62	2.35	
	Back	1.903	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.18	2.40	2.08	2.28	2.14	
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00	
	Right side	1.746	3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	2.95	2.88	2.46	2.62	2.20	
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55	
	Bottom side	3.141												0.001	0.00	0.00	0.00	0.00	0.00	3.14	3.14	3.14	3.14	3.14	
	Summed																								
LTE Band 66 Ant 2	Front	0.604	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.17	1.51	0.95	1.32	1.05	
	Back		0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	0.27	0.50	0.18	0.38	0.24	
	Left side	2.439					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.44	2.44	2.45	2.44	2.44	
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46	
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55	
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Summed																								
LTE Band 66 Ant 3	Front	1.029	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.59	1.93	1.38	1.74	1.48	
	Back		0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	0.27	0.50	0.18	0.38	0.24	
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00	
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46	
	Top side	2.480	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.89	3.43	3.04	3.15	3.03	
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Summed																								
LTE Band 66 Ant 0	Front		1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	0.56	0.90	0.35	0.71	0.45	
	Back		0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	0.27	0.50	0.18	0.38	0.24	
	Left side	1.490					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.49	1.49	1.50	1.49	1.49	
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46	
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55	
	Bottom side	3.153												0.001	0.00	0.00	0.00	0.00	0.00	3.15	3.15	3.15	3.15	3.15	
	Summed																								
LTE Band 66 Ant 1	Front	2.808	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	3.37	3.71	3.16	3.52	3.26	
	Back	2.643	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.92	3.14	2.82	3.02	2.88	
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.00	0.00	0.00	
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46	
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55	
	Bottom side	3.162												0.001	0.00	0.00	0.00	0.00	0.00	3.16	3.16	3.16	3.16	3.16	
	Summed																								
LTE Band 41 Ant 2	Front	2.430	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.99	3.33	2.78	3.14	2.88	
	Back	1.934	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.21	2.44	2.11	2.31	2.17	
	Left side	2.482					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.48	2.48	2.49	2.48	2.48	
	Right side		3.003	1.821	0.924	0.454																			



FCC SAR Test Report

Report No. : FA422203

LTE Band 41 Ant 3	Front	1.242	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.81	2.14	1.59	1.96	1.69
	Back	0.995	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.27	1.50	1.18	1.37	1.23
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.510	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.92	3.46	3.07	3.18	3.06
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 41 Ant 0	Front	1.447	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.01	2.35	1.79	2.16	1.90
	Back	2.833	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	3.11	3.33	3.01	3.21	3.07
	Left side	1.124					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.13	1.13	1.13	1.13	1.13
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.063												0.001	0.00	0.00	0.00	0.00	0.00	2.06	2.06	2.06	2.06	2.06
LTE Band 41 Ant 1	Front	1.297	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.86	2.20	1.64	2.01	1.75
	Back	1.305	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.58	1.81	1.49	1.68	1.54
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side	0.693	3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.90	1.82	1.40	1.56	1.15
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 48 Ant 4	Front	1.008	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.57	1.91	1.36	1.72	1.46
	Back	0.574	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	0.85	1.08	0.75	0.95	0.81
	Left side	2.491					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.49	2.49	2.50	2.49	2.49
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	0.174	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.59	1.12	0.73	0.84	0.72
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 48 Ant 6	Front	2.073	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.64	2.97	2.42	2.79	2.52
	Back	1.172	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.45	1.67	1.35	1.55	1.41
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.495	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.91	3.44	3.05	3.17	3.04
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 48 Ant 3	Front	1.634	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.20	2.54	1.98	2.35	2.08
	Back	1.098	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.37	1.60	1.28	1.48	1.33
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.461	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.87	3.41	3.02	3.13	3.01
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 48 Ant 8	Front	1.304	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.87	2.21	1.65	2.02	1.75
	Back	0.840	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.11	1.34	1.02	1.22	1.08
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side	2.501	3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	3.71	3.63	3.21	3.37	2.96
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n7 Ant 2	Front	2.029	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.59	2.93	2.38	2.74	2.48
	Back	1.584	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.86	2.09	1.76	1.96	1.82
	Left side	2.487					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.49	2.49	2.49	2.49	2.49
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n7 Ant 3	Front	1.330	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.89	2.23	1.68	2.04	1.78
	Back	1.088	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.36	1.59	1.27	1.47	1.32
	Left side	0.469					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.47	0.47	0.48	0.47	0.47
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55						



FCC SAR Test Report

Report No. : FA422203

FR1 n7 Ant 0	Front	1.462	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.03	2.36	1.81	2.18	1.91
	Back	1.988	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.26	2.49	2.17	2.37	2.22
	Left side	1.140					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.14	1.14	1.15	1.14	1.14
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.231												0.001	0.00	0.00	0.00	0.00	0.00	0.00	2.23	2.23	2.23	2.23
FR1 n7 Ant 1	Front	1.385	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.95	2.29	1.73	2.10	1.83
	Back	1.815	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.09	2.32	2.00	2.19	2.05
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side	0.898	3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	2.10	2.03	1.61	1.77	1.36
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.744												0.001	0.00	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	2.75
FR1 n25 Ant 2	Front	2.442	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	3.01	3.34	2.79	3.16	2.89
	Back	2.280	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.55	2.78	2.46	2.66	2.52
	Left side	1.804					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.81	1.81	1.81	1.81	1.81
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n25 Ant 3	Front	2.136	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.70	3.04	2.48	2.85	2.59
	Back	2.175	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.45	2.68	2.36	2.55	2.41
	Left side	2.088					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.09	2.09	2.09	2.09	2.09
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.463	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.88	3.41	3.02	3.13	3.01
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n25 Ant 0	Front	2.016	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.58	2.92	2.36	2.73	2.47
	Back	2.690	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.96	3.19	2.87	3.07	2.93
	Left side	1.611					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.61	1.61	1.62	1.61	1.61
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.725												0.001	0.00	0.00	0.00	0.00	0.00	0.00	2.73	2.73	2.73	2.73



FCC SAR Test Report

Report No. : FA422203

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12	13	2+10+13	6+10+13	10+11+13	3+7+13	3+12+13	1+4+10+13	1+8+10+13	1+10+11+13	1+5+9+13	1+5+12+13
		10g SAR (W/kg)	WLAN 2.4GHz Ant 5+7 Standalone	WLAN 2.4GHz Ant 7 DBS only	WLAN 2.4GHz Ant 5+7 WWAN+ non DBS	WLAN 2.4GHz Ant 7 WWAN+ DBS	WLAN 5GHz Ant 5+7 Standalone	WLAN 5GHz Ant 5 DBS only	WLAN 5GHz Ant 5+7 WWAN+ non DBS	WLAN 5GHz Ant 5 WWAN+ DBS	Bluetooth Ant 7	WLAN 6GHz Ant 5+7	WLAN 6GHz Ant 5	NFC	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
FR1 n30 Ant 2	Front	2.488	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	3.05	3.39	2.84	3.20	2.94
	Back	2.193	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.47	2.69	2.37	2.57	2.43
	Left side	1.150					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.15	1.15	1.16	1.15	1.15
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n30 Ant 3	Front	1.840	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.40	2.74	2.19	2.55	2.29
	Back	1.453	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.73	1.95	1.63	1.83	1.69
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.458	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.87	3.41	3.02	3.13	3.01
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n30 Ant 0	Front	2.069	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.63	2.97	2.42	2.78	2.52
	Back	2.047	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.32	2.55	2.23	2.43	2.28
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.024												0.001	0.00	0.00	0.00	0.00	0.00	2.03	2.03	2.03	2.03	2.03
FR1 n30 Ant 1	Front	1.680	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.24	2.58	2.03	2.39	2.13
	Back	1.755	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.03	2.26	1.94	2.13	1.99
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side	1.668	3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	2.87	2.80	2.38	2.54	2.13
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	3.161												0.001	0.00	0.00	0.00	0.00	0.00	3.16	3.16	3.16	3.16	3.16
FR1 n66 Ant 2	Front	2.446	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	3.01	3.35	2.79	3.16	2.90
	Back	1.747	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.02	2.25	1.93	2.13	1.98
	Left side	2.234					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.24	2.24	2.24	2.24	2.24
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n66 Ant 3	Front	1.983	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.55	2.88	2.33	2.70	2.43
	Back	1.608	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.88	2.11	1.79	1.99	1.84
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.459	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.87	3.41	3.02	3.13	3.01
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n66 Ant 0	Front	2.290	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.85	3.19	2.64	3.00	2.74
	Back	3.074	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	3.35	3.58	3.25	3.45	3.31
	Left side	2.456					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.46	2.46	2.46	2.46	2.46
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n66 Ant 1	Front	1.786	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.35	2.69	2.13	2.50	2.24
	Back	1.856	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.13	2.36	2.04	2.23	2.09
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.209												0.001	0.00	0.00	0.00	0.00	0.00	2.21	2.21	2.21	2.21	2.21



FR1 n70 Ant 2	Front	2.443	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	3.01	3.34	2.79	3.16	2.89
	Back	1.633	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.91	2.13	1.81	2.01	1.87
	Left side	1.974					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.98	1.98	1.98	1.98	1.98
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n70 Ant 3	Front	1.707	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.27	2.61	2.05	2.42	2.16
	Back	1.243	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.52	1.74	1.42	1.62	1.48
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.454	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.87	3.40	3.01	3.12	3.00
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n70 Ant 0	Front	2.197	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.76	3.10	2.54	2.91	2.65
	Back	2.726	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	3.00	3.23	2.91	3.10	2.96
	Left side	2.503					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.50	2.50	2.51	2.50	2.50
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n70 Ant 1	Front		1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	0.56	0.90	0.35	0.71	0.45
	Back	1.503	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.78	2.00	1.68	1.88	1.74
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.044												0.001	0.00	0.00	0.00	0.00	0.00	2.05	2.05	2.05	2.05	2.05
FR1 n41 Ant 2	Front	2.175	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.74	3.08	2.52	2.89	2.62
	Back	1.588	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.86	2.09	1.77	1.97	1.82
	Left side	2.448					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.45	2.45	2.45	2.45	2.45
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n41 Ant 3	Front		1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	0.56	0.90	0.35	0.71	0.45
	Back		0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	0.27	0.50	0.18	0.38	0.24
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side	2.470	1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	2.88	3.42	3.03	3.14	3.02
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n41 Ant 0	Front	1.489	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.05	2.39	1.84	2.20	1.94
	Back	2.082	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.36	2.58	2.26	2.46	2.32
	Left side	1.287					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	1.29	1.29	1.29	1.29	1.29
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	1.20	1.13	0.71	0.87	0.46
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	2.801												0.001	0.00	0.00	0.00	0.00	0.00	2.80	2.80	2.80	2.80	2.80
FR1 n41 Ant 1	Front	2.386	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.95	3.29	2.73	3.10	2.84
	Back	2.426	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	2.70	2.93	2.61	2.80	2.66
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side	1.233	3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	2.44	2.36	1.94	2.10	1.69
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side	3.135												0.001	0.00	0.00	0.00	0.00	0.00	3.14	3.14	3.14	3.14	3.14
FR1 n48 Ant 4	Front	1.562	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	2.13	2.46	1.91	2.28	2.01
	Back	1.242	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.52	1.74	1.42	1.62	1.48
	Left side	2.466					1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	2.47	2.47	2.47	2.47	2.47
	Right side		3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28									



FCC SAR Test Report

Report No. : FA422203

Table with columns for antenna type (FR1 n48, n77, n77 Part 270 HPUE), orientation (Front, Back, Left side, Right side, Top side, Bottom side), and 22 numerical columns representing SAR test results.



FCC SAR Test Report

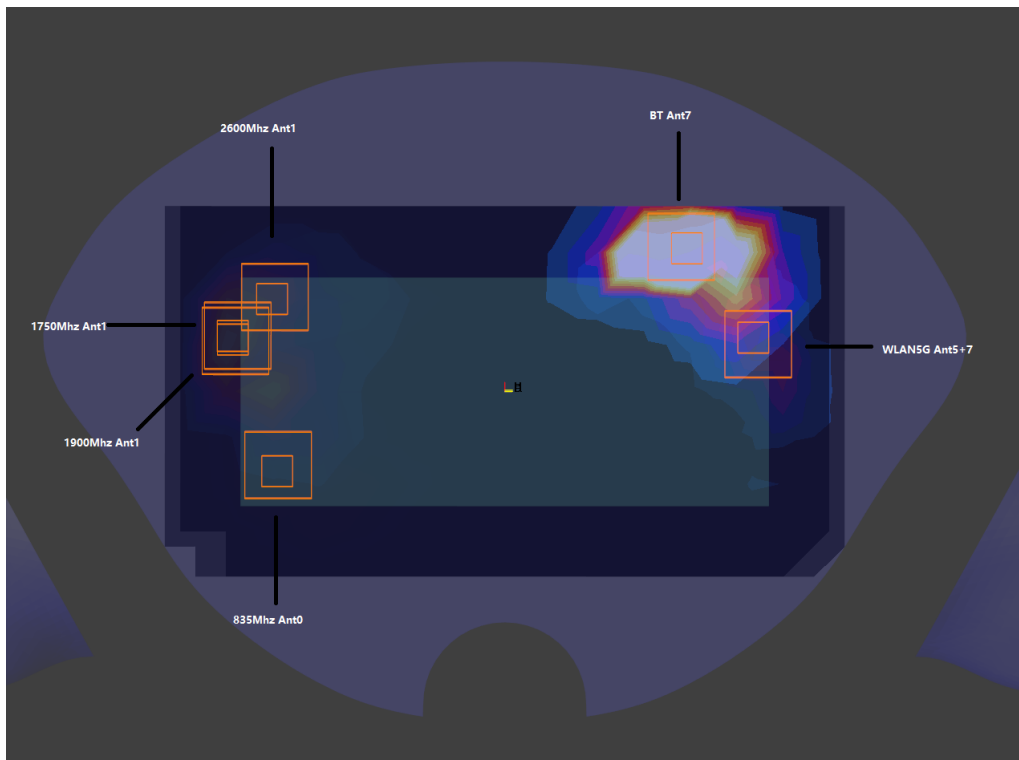
Report No. : FA422203

FR1 n77 Part 27Q HPUE Ant 8	Front	1.235	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.80	2.14	1.58	1.95	1.68
	Back	0.790	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	1.06	1.29	0.97	1.17	1.03
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side	2.479	3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	3.68	3.61	3.19	3.35	2.94
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n77 Part 27Q HPUE Ant 8	Front	0.947	1.864	1.108	0.562	0.276	2.866	1.837	0.900	0.437		0.346	0.172	0.001	1.87	2.87	0.35	2.95	1.28	1.51	1.85	1.29	1.66	1.40
	Back	0.657	0.837	0.498	0.252	0.123	1.444	0.974	0.479	0.233		0.158	0.090	0.022	0.86	1.47	0.18	1.49	0.61	0.93	1.16	0.84	1.04	0.89
	Left side						1.136	1.213				0.005		0.001	0.00	1.14	0.01	1.21	0.00	0.00	0.00	0.01	0.00	0.00
	Right side	2.072	3.003	1.821	0.924	0.454	2.506	1.728	0.851	0.415	0.279	0.431	0.003	0.001	3.28	2.79	0.71	3.55	1.83	3.28	3.20	2.78	2.94	2.53
	Top side		1.372	0.814	0.412	0.202	3.175	1.961	0.948	0.467		0.557	0.345	0.001	1.37	3.18	0.56	2.78	1.16	0.41	0.95	0.56	0.67	0.55
	Bottom side													0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

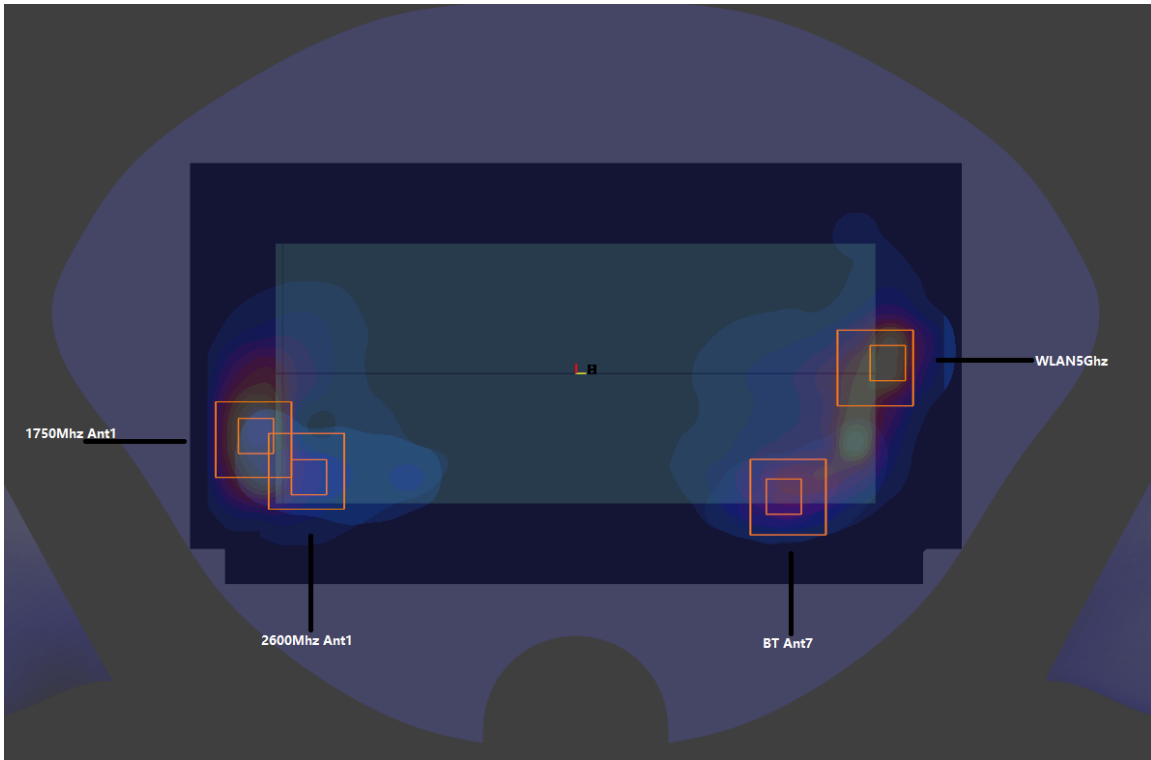
17.6 SPLSR Evaluation and Analysis

General Note:

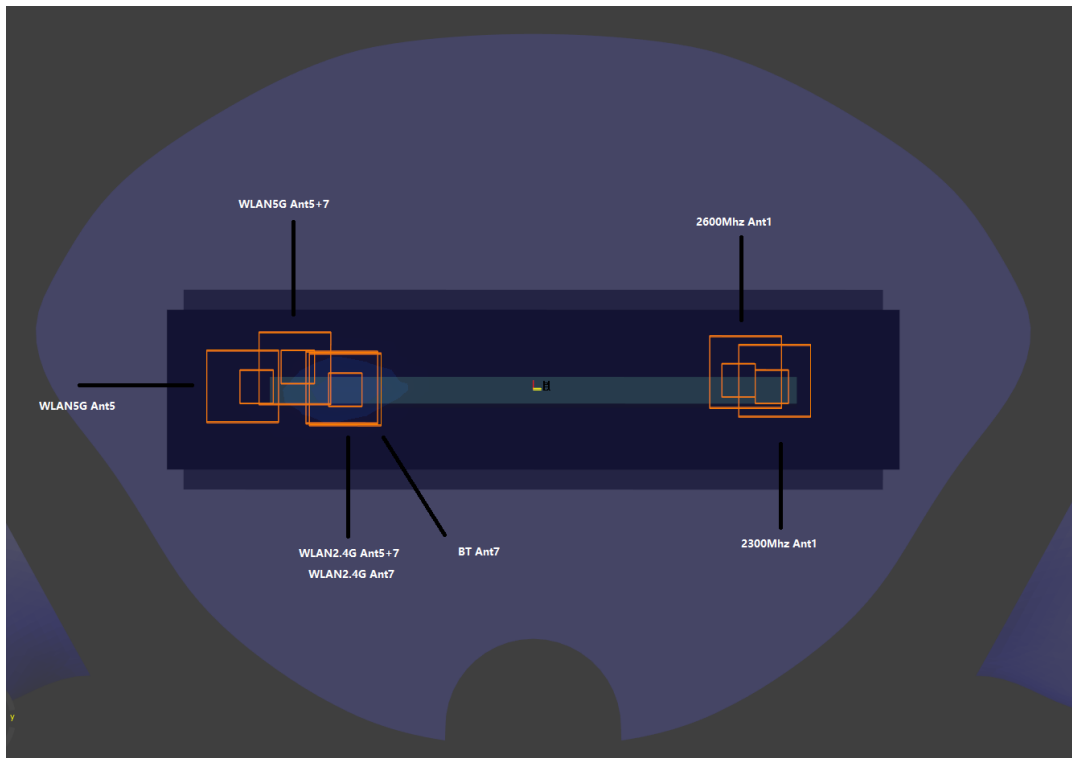
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, WLAN band antenna 5/7 was summed algebraically with the BT Antenna 7 separately for the purposes of hybrid SPLSR combination and they are located at the top of the device.
4. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.



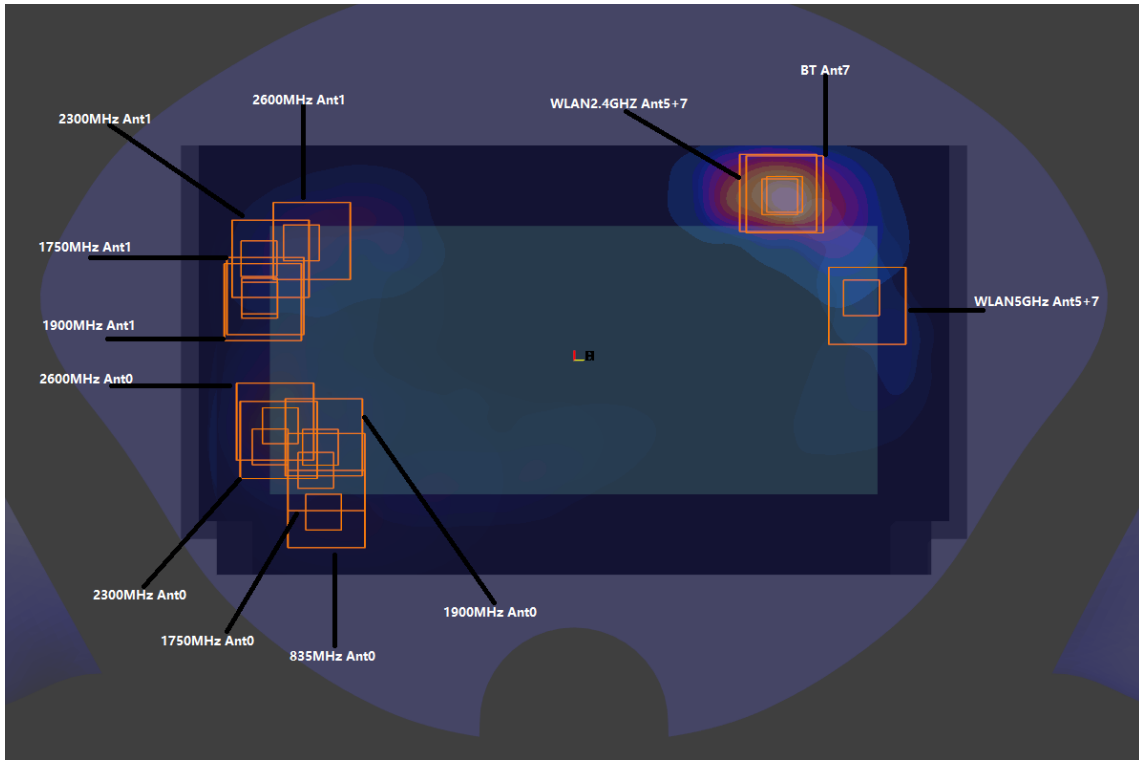
Hotspot Open WWAN+WLAN Back 5mm



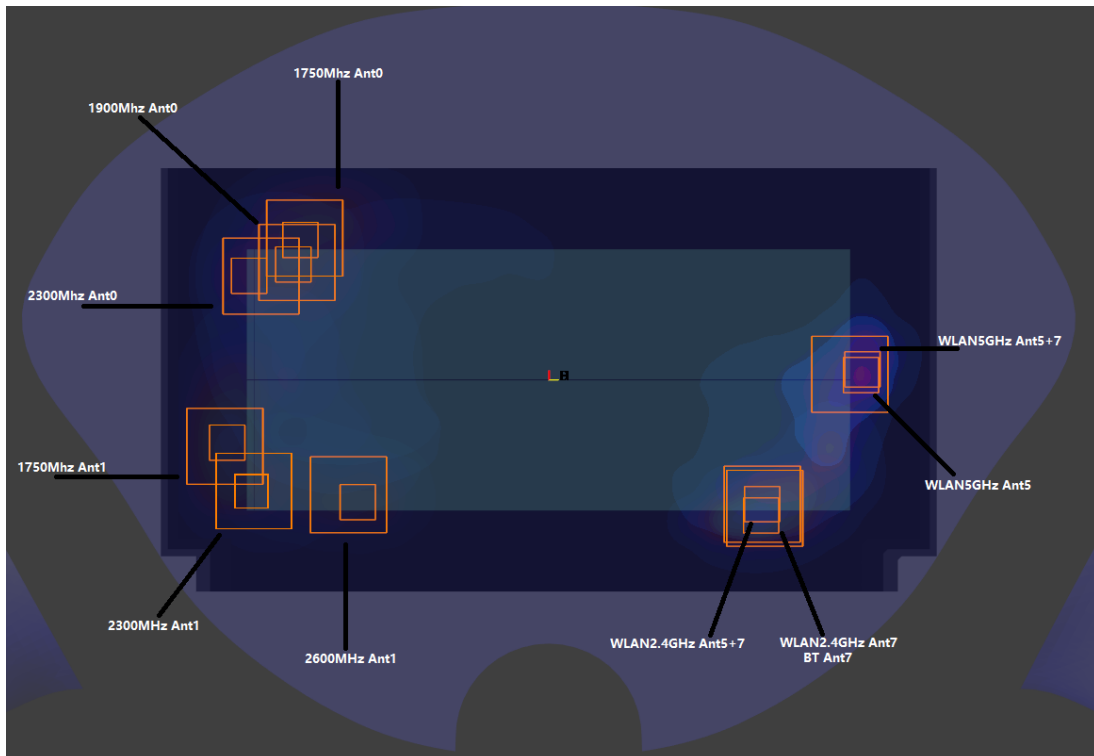
Hotspot Open WWAN+WLAN Front 5mm



Hotspot Open WWAN+WLAN Right Side 5mm



Body worn Open WWAN+WLAN Back 5mm



Body worn Open WWAN+WLAN Front 5mm



For Hotspot open:

Case	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 1	GSM850 Ant 0	Back	1.138	5mm	3.5	-73.5	-204	152.4	1.60	0.01	Not required
	WLAN5G Ant 5+7		0.358	5mm	-44	80	-204				
	Bluetooth Ant 7		0.099	5mm	-70	60	-204				
Case 2	WCDMA II Ant 1	Back	1.269	5mm	-53.5	-88.5	-204	149.4	1.73	0.02	Not required
	WLAN5G Ant 5+7		0.358	5mm	-44	80	-204				
	Bluetooth Ant 7		0.099	5mm	-70	60	-204				
Case 3	WCDMA IV Ant 1	Back	1.192	5mm	-40	-88.5	-204	151.5	1.65	0.01	Not required
	WLAN5G Ant 5+7		0.358	5mm	-44	80	-204				
	Bluetooth Ant 7		0.099	5mm	-70	60	-204				
Case 4	LTE Band 7 Ant 1	Front	1.164	5mm	3.5	-75	-204	135.2	1.70	0.02	Not required
	WLAN5G Ant 5+7		0.418	5mm	-6	80	-204				
	Bluetooth Ant 7		0.118	5mm	10	60	-204				
Case 5	LTE Band 7 Ant 1	Back	1.146	5mm	-55	-75	-204	135.8	1.60	0.01	Not required
	WLAN5G Ant 5+7		0.358	5mm	-44	80	-204				
	Bluetooth Ant 7		0.099	5mm	-70	60	-204				
Case 6	LTE Band 7 Ant 1	Right Side	1.279	5mm	-33	70	-204	124.3	2.17	0.03	Not required
	WLAN2.4G Ant 5+7		0.621	5mm	-25	-56	-204				
	Bluetooth Ant 7		0.272	5mm	-25	-54	-204				
Case 7	LTE Band 7 Ant 1	Right Side	1.279	5mm	-33	70	-204	124.3	2.14	0.03	Not required
	WLAN5G Ant 5+7		0.59	5mm	-32.2	-70	-204				
	Bluetooth Ant 7		0.272	5mm	-25	-54	-204				
Case 8	LTE Band 7 Ant 1	Right Side	1.279	5mm	-33	70	-204	125.3	1.85	0.02	Not required
	WLAN2.4G Ant 7		0.284	5mm	-25	-55	-204				
	WLAN5G Ant 5		0.289	5mm	-25.8	-82	-204				
Case 9	LTE Band 25 Ant 1	Back	1.276	5mm	-40	-87	-204	150.0	1.73	0.02	Not required
	WLAN5G Ant 5+7		0.358	5mm	-44	80	-204				
	Bluetooth Ant 7		0.099	5mm	-70	60	-204				
Case 10	LTE Band 26 Ant 0	Back	1.233	5mm	17	-72	-204	158.1	1.69	0.01	Not required
	WLAN5G Ant 5+7		0.358	5mm	-44	80	-204				
	Bluetooth Ant 7		0.099	5mm	-70	60	-204				
Case 11											



Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 30 Ant 1	Right Side	0.853	5mm	-26.5	75	-204	129.0	1.75	0.02	Not required
	WLAN2.4G Ant 5+7		0.621	5mm	-25	-56	-204				
	Bluetooth Ant 7		0.272	5mm	-25	-54	-204				
Case 12	LTE Band 30 Ant 1	Right Side	0.853	5mm	-26.5	75	-204	129.0	1.72	0.02	Not required
	WLAN5G Ant 5+7		0.59	5mm	-32.2	-70	-204				
	Bluetooth Ant 7		0.272	5mm	-25	-54	-204				
Case 13	LTE Band 66 Ant 1	Front	1.068	5mm	-10	-90	-204	151.3	1.60	0.01	Not required
	WLAN5G Ant 5+7		0.418	5mm	-6	80	-204				
	Bluetooth Ant 7		0.118	5mm	10	60	-204				
Case 14	LTE Band 66 Ant 1	Back	1.235	5mm	-40	-88.5	-204	151.5	1.69	0.01	Not required
	WLAN5G Ant 5+7		0.358	5mm	-44	80	-204				
	Bluetooth Ant 7		0.099	5mm	-70	60	-204				
Case 15	LTE Band 41 Ant 1	Right Side	1.279	5mm	-27.4	61.2	-204	115.2	2.17	0.03	Not required
	WLAN2.4G Ant 5+7		0.621	5mm	-25	-56	-204				
	Bluetooth Ant 7		0.272	5mm	-25	-54	-204				
Case 16	LTE Band 41 Ant 1	Right Side	1.279	5mm	-27.4	61.2	-204	115.2	2.14	0.03	Not required
	WLAN5G Ant 5+7		0.59	5mm	-32.2	-70	-204				
	Bluetooth Ant 7		0.272	5mm	-25	-54	-204				
Case 17	LTE Band 41 Ant 1	Right Side	1.279	5mm	-27.4	61.2	-204	116.2	1.85	0.02	Not required
	WLAN2.4G Ant 7		0.284	5mm	-25	-55	-204				
	WLAN5G Ant 5		0.289	5mm	-25.8	-82	-204				
Case 18	FR1 n7 Ant 1	Right Side	1.294	5mm	-25.8	72	-204	126.0	2.19	0.03	Not required
	WLAN2.4G Ant 5+7		0.621	5mm	-25	-56	-204				
	Bluetooth Ant 7		0.272	5mm	-25	-54	-204				
Case 19	FR1 n7 Ant 1	Right Side	1.294	5mm	-25.8	72	-204	126.0	2.16	0.03	Not required
	WLAN5G Ant 5+7		0.59	5mm	-32.2	-70	-204				
	Bluetooth Ant 7		0.272	5mm	-25	-54	-204				
Case 20	FR1 n7 Ant 1	Right Side	1.294	5mm	-25.8	72	-204	127.0	1.87	0.02	Not required
	WLAN2.4G Ant 7		0.284	5mm	-25	-55	-204				
	WLAN5G Ant 5		0.289	5mm	-25.8	-82	-204				
Case 21	FR1 n41 Ant 1	Front	1.071	5mm	7	-53	-204	113.0	1.61	0.02	Not required
	WLAN5G Ant 5+7		0.418	5mm	-6	80	-204				
	Bluetooth Ant 7		0.118	5mm	10	60	-204				
Case 22											



Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 23	FR1 n41 Ant 1	Right Side	1.296	5mm	-25	69	-204	123.0	2.19	0.03	Not required
	WLAN2.4G Ant 5+7		0.621	5mm	-25	-56	-204				
	Bluetooth Ant 7		0.272	5mm	-25	-54	-204				
Case 24	FR1 n41 Ant 1	Right Side	1.296	5mm	-25	69	-204	124.0	1.87	0.02	Not required
	WLAN2.4G Ant 7		0.284	5mm	-25	-55	-204				
	WLAN5G Ant 5		0.289	5mm	-25.8	-82	-204				

For Body-worn open:

Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 1	WCDMA II Ant 0	Front	1.097	5mm	-56.5	-73.5	-204	149.1	1.60	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 2	WCDMA II Ant 0	Front	1.097	5mm	-56.5	-73.5	-204	149.1	1.61	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 3	WCDMA II Ant 0	Back	1.269	5mm	2	-72	-204	150.4	1.64	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 4	WCDMA II Ant 1	Back	1.269	5mm	-53.5	-88.5	-204	149.4	1.64	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 5	WCDMA IV Ant 0	Front	1.144	5mm	-67	-66	-204	147.7	1.65	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 6	WCDMA IV Ant 0	Front	1.144	5mm	-67	-66	-204	147.7	1.65	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 7	WCDMA IV Ant 0	Back	1.287	5mm	5	-73.5	-204	151.9	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 8	WCDMA IV Ant 0	Back	1.287	5mm	5	-73.5	-204	153.1	1.66	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				



Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 9	WCDMA IV Ant 1	Back	1.286	5mm	-40	-88.5	-204	149.7	1.60	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 10	WCDMA IV Ant 1	Back	1.286	5mm	-40	-88.5	-204	151.5	1.66	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 11	LTE Band 7 Ant 0	Back	1.296	5mm	-5	-89	-204	161.1	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 12	LTE Band 7 Ant 0	Back	1.296	5mm	-5	-89	-204	162.6	1.67	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 13	LTE Band 7 Ant 1	Front	1.268	5mm	3.5	-75	-204	135.2	1.77	0.02	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 14	LTE Band 7 Ant 1	Front	1.268	5mm	3.5	-75	-204	135.2	1.78	0.02	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 15	LTE Band 7 Ant 1	Front	1.268	5mm	3.5	-75	-204	135.4	1.63	0.02	Not required
	WLAN2.4G Ant 7		0.174	5mm	14	60	-204				
	WLAN5G Ant 5		0.191	5mm	-26	89	-204				
Case 16	LTE Band 25 Ant 0	Front	1.088	5mm	-55	-73.5	-204	148.5	1.60	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 17	LTE Band 25 Ant 0	Back	1.282	5mm	0.5	-72	-204	148.4	1.60	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 18	LTE Band 25 Ant 0	Back	1.282	5mm	0.5	-72	-204	149.6	1.66	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 19	LTE Band 25 Ant 1	Back	1.291	5mm	-40	-87	-204	148.3	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				



Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 20	LTE Band 25 Ant 1	Back	1.291	5mm	-40	-87	-204	150.0	1.67	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 21	LTE Band 26 Ant 0	Back	1.233	5mm	17	-72	-204	158.1	1.61	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 22	LTE Band 30 Ant 0	Front	1.164	5mm	-53.5	-87	-204	160.1	1.67	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 23	LTE Band 30 Ant 0	Front	1.164	5mm	-53.5	-87	-204	160.1	1.67	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 24	LTE Band 30 Ant 0	Back	1.29	5mm	-1	-85.5	-204	159.7	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 25	LTE Band 30 Ant 0	Back	1.29	5mm	-1	-85.5	-204	161.0	1.67	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 26	LTE Band 30 Ant 1	Back	1.279	5mm	-55	-88.5	-204	147.4	1.60	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 27	LTE Band 30 Ant 1	Back	1.279	5mm	-55	-88.5	-204	149.3	1.65	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 28	LTE Band 66 Ant 0	Front	1.156	5mm	-65.5	-70.5	-204	150.8	1.66	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 29	LTE Band 66 Ant 0	Front	1.156	5mm	-65.5	-70.5	-204	150.8	1.67	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 30	LTE Band 66 Ant 0	Back	1.28	5mm	6.5	-72	-204	151.3	1.60	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				



Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 31	LTE Band 66 Ant 0	Back	1.28	5mm	6.5	-72	-204	152.6	1.66	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 32	LTE Band 66 Ant 1	Front	1.102	5mm	-10	-90	-204	151.3	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 33	LTE Band 66 Ant 1	Front	1.102	5mm	-10	-90	-204	151.3	1.61	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 34	LTE Band 66 Ant 1	Back	1.293	5mm	-40	-88.5	-204	149.7	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 35	LTE Band 66 Ant 1	Back	1.293	5mm	-40	-88.5	-204	151.5	1.67	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 36	LTE Band 41 Ant 0	Back	1.287	5mm	-7	-84	-204	155.8	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 37	LTE Band 41 Ant 0	Back	1.287	5mm	-7	-84	-204	157.2	1.66	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 38	LTE Band 41 Ant 1	Front	1.273	5mm	9.8	-50.4	-204	110.4	1.78	0.02	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 39	LTE Band 41 Ant 1	Front	1.273	5mm	9.8	-50.4	-204	110.4	1.78	0.02	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 40	LTE Band 41 Ant 1	Front	1.273	5mm	9.8	-50.4	-204	110.5	1.64	0.02	Not required
	WLAN2.4G Ant 7		0.174	5mm	14	60	-204				
	WLAN5G Ant 5		0.191	5mm	-26	89	-204				
Case 41	FR1 n7 Ant 0	Back	1.273	5mm	-6	-82	-204	155.8	1.65	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				



Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 42	FR1 n7 Ant 1	Back	1.276	5mm	-56	-78	-204	138.7	1.65	0.02	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 43	FR1 n25 Ant 0	Back	1.277	5mm	3.5	-73.5	-204	151.1	1.60	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 44	FR1 n25 Ant 0	Back	1.277	5mm	3.5	-73.5	-204	152.4	1.65	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 45	FR1 n30 Ant 0	Front	1.136	5mm	-53.5	-87	-204	160.1	1.64	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 46	FR1 n30 Ant 0	Front	1.136	5mm	-53.5	-87	-204	160.1	1.65	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 47	FR1 n30 Ant 0	Back	1.269	5mm	-5	-89	-204	162.6	1.64	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 48	FR1 n30 Ant 1	Front	1.144	5mm	-5	-84.5	-204	145.3	1.65	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 49	FR1 n30 Ant 1	Front	1.144	5mm	-5	-84.5	-204	145.3	1.65	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 50	FR1 n30 Ant 1	Back	1.277	5mm	-55	-82	-204	140.9	1.60	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 51	FR1 n30 Ant 1	Back	1.277	5mm	-55	-82	-204	142.8	1.65	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 52	FR1 n66 Ant 0	Front	1.152	5mm	-67	-70.5	-204	151.5	1.66	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				



Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 53	FR1 n66 Ant 0	Front	1.152	5mm	-67	-70.5	-204	151.5	1.66	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 54	FR1 n66 Ant 0	Back	1.294	5mm	5	-73.5	-204	151.9	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 55	FR1 n66 Ant 0	Back	1.294	5mm	5	-73.5	-204	153.1	1.67	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 56	FR1 n66 Ant 1	Front	1.095	5mm	-7	-86	-204	147.0	1.60	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 57	FR1 n66 Ant 1	Front	1.095	5mm	-7	-86	-204	147.0	1.61	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 58	FR1 n66 Ant 1	Back	1.292	5mm	-40	-87	-204	148.3	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 59	FR1 n66 Ant 1	Back	1.292	5mm	-40	-87	-204	150.0	1.67	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 60	FR1 n70 Ant 0	Front	1.184	5mm	-67	-73.5	-204	154.1	1.69	0.01	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 61	FR1 n70 Ant 0	Front	1.184	5mm	-67	-73.5	-204	154.1	1.69	0.01	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 62	FR1 n70 Ant 0	Back	1.294	5mm	5	-73.5	-204	151.9	1.61	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 63	FR1 n70 Ant 0	Back	1.294	5mm	5	-73.5	-204	153.1	1.67	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				

Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 64	FR1 n41 Ant 0	Back	1.285	5mm	-5	-90	-204	162.0	1.60	0.01	Not required
	WLAN2.4G Ant 5+7		0.213	5mm	-71	58	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 65	FR1 n41 Ant 0	Back	1.285	5mm	-5	-90	-204	163.5	1.66	0.01	Not required
	WLAN5G Ant 5+7		0.27	5mm	-44	80	-204				
	Bluetooth Ant 7		0.105	5mm	-70	60	-204				
Case 66	FR1 n41 Ant 1	Front	1.274	5mm	7	-53	-204	113.0	1.78	0.02	Not required
	WLAN2.4G Ant 5+7		0.376	5mm	10	61	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 67	FR1 n41 Ant 1	Front	1.274	5mm	7	-53	-204	113.0	1.78	0.02	Not required
	WLAN5G Ant 5+7		0.383	5mm	-6	80	-204				
	Bluetooth Ant 7		0.127	5mm	10	60	-204				
Case 68	FR1 n41 Ant 1	Front	1.274	5mm	7	-53	-204	113.2	1.64	0.02	Not required
	WLAN2.4G Ant 7		0.174	5mm	14	60	-204				
	WLAN5G Ant 5		0.191	5mm	-26	89	-204				

18. Supplemental Tuner Tests Results

General Note:

1. This device implements impedance tuner (5 states) antenna tuning techniques in the LTE Band 2/4/5/7/12/13/14 /17/25/26/30/66/71/38/41, and 5G NR n2/5/7/12/14/25/26/30/66/70/71/38/41 for ANT0.
2. This device implements impedance tuner (5 states) antenna tuning techniques in the LTE Band 2/4/5/7/12/13/14 /17/25/26/30/66/71/38/41, and 5G NR n2/5/7/12/14/25/26/30/66/70/71/38/41 for ANT1.
3. This device implements impedance tuner (5 states) antenna tuning techniques in the LTE Band 2/4/7/25/30/66/38 /41, and 5G NR n2/7/25/30/66/70/38/41 for ANT2.
4. This device implements impedance tuner (5 states) antenna tuning techniques in the LTE Band 2/4/7/25/30/66/38 /41/48, and 5G NR n2/7/25/30/66/70/38/41/48/77/78 for ANT3.
5. LTE B17 / B5 / B4 / B2/B38 SAR test was covered by LTE B12 / B26 / B66 / B25/B41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
6. 5G NR n2/ n5 /n38 /n78 SAR test was covered by 5G NR n25 / n26 / n41/n77; according to April 2015 TCB workshop, SAR test for overlapping NR bands can be reduced.
7. Per 2019, April TCBC Workshop titled "RF Exposure Procedures", the following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions.
 - 1) SAR is measured according to required procedures with dynamic tuner active allowing device to automatically tune. Auto-tune state determined by device during normal SAR measurement verified and listed alongside the reported SAR results.
 - 2) Total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
 - 3) 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).
 - 4) Single point measurements performed at the peak SAR location of the highest measured SAR configuration for each combination. SAR probe remains stationary throughout the entire series of single point measurements for each combination.
 - 5) If any single point SAR measurement result is > 1.2 W/kg for 1gSAR (or > 3.0 W/kg for 10gSAR) for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination.
8. The above test procedures were followed to demonstrate that the SAR results in Section 16 represented 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.
9. To evaluate all of the tuner states, the 5 tuner states for ANT0/1/2/3 is divided evenly among band, 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. When the single point SAR or 1g SAR was > 1.2 W/kg or 10g SAR was > 3.0 W/kg for a particular band / mode / exposure condition, point SAR measurements were made for all tuner states.
10. According to KDB 648474 D04 v01r03, in order to reduce the number of SAR tests required to demonstrate compliance for the numerous tuning states, certain SAR screening procedures were considered to identify the higher SAR between body-worn and hotspot scenarios that need normally required SAR measurements and allow SAR test reduction for the lower SAR conditions.
11. According to KDB 648474 D04 v01r03, this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
12. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

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19. Uncertainty Assessment

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

20. References

- [1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”
- [2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992
- [3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.
- [7] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.
- [9] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015
- [10] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015
- [11] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [12] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

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