



FR1 N78O(HPUE) Ant 7-Linearity Data for Head			FR1 N78Q(HPUE) Ant 7-Linearity Data for Head		
	FR1 N78 (Power Class 3)	FR1 N78 (Power Class 2)		FR1 N78 (Power Class 3)	FR1 N78 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.38	0.41	Reported 1g SAR (W/kg)	0.52	0.56
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	0.383		Linearity SAR (W/kg)	0.518	
% deviation from expected linearity		5.72%	% deviation from expected linearity		7.38%
FR1 N78O(HPUE) Ant 7-Linearity Data for Hotspot			FR1 N78Q(HPUE) Ant 7-Linearity Data for Hotspot		
	FR1 N78 (Power Class 3)	FR1 N78 (Power Class 2)		FR1 N78 (Power Class 3)	FR1 N78 (Power Class 2)
Maximum Tune up Power (dBm)	17.60	20.60	Maximum Tune up Power (dBm)	17.60	20.60
Reported 1g SAR (W/kg)	0.99	0.99	Reported 1g SAR (W/kg)	0.93	0.93
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	57.54	57.41	Frame Averaged (mW)	57.54	57.41
Linearity SAR (W/kg)	0.983		Linearity SAR (W/kg)	0.930	
% deviation from expected linearity		0.64%	% deviation from expected linearity		0.45%
FR1 N78O(HPUE) Ant 7-Linearity Data for Body-worn			FR1 N78Q(HPUE) Ant 7-Linearity Data for Body-worn		
	FR1 N78 (Power Class 3)	FR1 N78 (Power Class 2)		FR1 N78 (Power Class 3)	FR1 N78 (Power Class 2)
Maximum Tune up Power (dBm)	18.90	21.90	Maximum Tune up Power (dBm)	18.90	21.90
Reported 1g SAR (W/kg)	1.072	1.077	Reported 1g SAR (W/kg)	1.147	1.249
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	77.62	77.44	Frame Averaged (mW)	77.62	77.44
Linearity SAR (W/kg)	1.069		Linearity SAR (W/kg)	1.144	
% deviation from expected linearity		0.70%	% deviation from expected linearity		9.15%
FR1 N78O(HPUE) Ant 7-Linearity Data for Extremity SAR			FR1 N78Q(HPUE) Ant 7-Linearity Data for Extremity SAR		
	FR1 N78 (Power Class 3)	FR1 N78 (Power Class 2)		FR1 N78 (Power Class 3)	FR1 N78 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	2.476	2.704	Reported 1g SAR (W/kg)	2.724	2.871
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59	Frame Averaged (mW)	251.19	250.59
Linearity SAR (W/kg)	2.470		Linearity SAR (W/kg)	2.718	
% deviation from expected linearity		9.47%	% deviation from expected linearity		5.65%

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 + WLAN6E	Yes	Yes		Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	Bluetooth + WLAN5GHz	Yes	Yes	Yes	Yes
6.	Bluetooth + WLAN6E	Yes	Yes		Yes
7.	WWAN + Bluetooth + WLAN5GHz	Yes	Yes	Yes	Yes
8.	WWAN + Bluetooth + WLAN6E	Yes	Yes		Yes
9.	WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
10.	WWAN + WLAN 2.4GHz + WLAN 5GHz	Yes	Yes	Yes	Yes
11.	WLAN2.4GHz + WLAN6E	Yes	Yes		Yes
12.	WWAN + WLAN 2.4GHz + WLAN6E	Yes	Yes		Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 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).WIFI 6E has no hotspot function.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna so can't transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- The maximum SAR summation is calculated based on the same configuration and test position.
- SAR Power density test report for WLAN6E U-NII-5/6/7/8 will be separately submitted. About co-located SAR with WWAN/Bluetooth, always chose higher SAR of WLAN5G U-NII-1/2A/2C/3 and U-NII-5/6/7/8.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR , simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.

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 Qualcomm® Smart Transmit, 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.

Smart Transmit 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 (100-x)%. Thus, the compliance equation for LTE + 5G NR is

$$x\% * A + (100-x)\% * B \leq 1.0,$$

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. SAR exposure for 5G FR1), and $B \leq 1.0$.

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

$$x\% * A + (100-x)\% * B + C \leq 1.0 \quad (1)$$

$$x\% * A + (100-x)\% * B \leq x\% * \max(A, B) + (100-x)\% * \max(A, B) \leq \max(A, B)$$

$$x\% * A + (100-x)\% * B + C \leq \max(A, B) + C \leq 1.0 \quad (2)$$

if $A + C \leq 1.0$ and $B + C \leq 1.0$ can be proven, then " $x\% * A + (100-x)\% * B + C \leq 1.0$ ". 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

Above analysis is also apply to LTE inter band uplink, LTE1 + LTE2 + WLAN + BT simultaneous transmission, So inter band CA uplink no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE + WLAN + BT < 1.

Above analysis is also apply to NR band UL MIMO, NR1 + NR2 + 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

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+9 Summed 1g SAR (W/kg)	1+6+7 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+7+9 Summed 10g SAR (W/kg)	1+8+9 Summed 10g SAR (W/kg)
		WWAN	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 WWAN + non-DBS	WLAN 2.4GHz Ant 4+6 WWAN + DBS	WLAN 5GHz Ant 5+6 DBS Only	WLAN5GHz Ant 5+6 WWAN + non-DBS & WWAN + DBS	Bluetooth Ant 4	Bluetooth Ant 6	WiFi 6E								
		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	Right Cheek	0.228	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.78	0.78	0.73	0.80	0.50	0.74	0.44
	Right Tilted	0.131	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.69	0.69	0.69	0.67	0.41	0.67	0.41
	Left Cheek	0.139	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.69	0.70	0.67	0.56	0.41	0.53	0.38
	Left Tilted	0.107	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.66	0.66	0.71	0.51	0.38	0.55	0.43
GSM850 Ant 1	Right Cheek	0.923	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.48	1.48	1.42	1.49	1.19	1.43	1.14
	Right Tilted	0.923	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.48	1.48	1.48	1.47	1.21	1.47	1.21
	Left Cheek	0.923	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.48	1.48	1.45	1.35	1.20	1.32	1.17
	Left Tilted	0.923	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.48	1.48	1.53	1.32	1.20	1.37	1.24
GSM1900 Ant 0	Right Cheek	0.009	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.56	0.57	0.51	0.58	0.28	0.52	0.22
	Right Tilted	0.001	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.56	0.56	0.56	0.54	0.28	0.54	0.28
	Left Cheek	0.041	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.60	0.60	0.57	0.46	0.31	0.44	0.29
	Left Tilted	0.002	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.56	0.56	0.60	0.40	0.28	0.45	0.32
WCDMA II Ant 0	Right Cheek	0.074	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.63	0.63	0.57	0.64	0.34	0.59	0.29
	Right Tilted	0.058	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.61	0.61	0.61	0.60	0.34	0.60	0.34
	Left Cheek	0.114	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.67	0.67	0.64	0.54	0.39	0.51	0.36
	Left Tilted	0.063	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.62	0.62	0.67	0.46	0.34	0.51	0.38
WCDMA IV Ant 0	Right Cheek	0.069	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.62	0.63	0.57	0.64	0.34	0.58	0.28
	Right Tilted	0.046	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.60	0.60	0.60	0.59	0.33	0.59	0.33
	Left Cheek	0.105	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.66	0.66	0.63	0.53	0.38	0.50	0.35
	Left Tilted	0.061	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.62	0.62	0.66	0.46	0.33	0.51	0.38
WCDMA V Ant 0	Right Cheek	0.152	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.71	0.71	0.65	0.72	0.42	0.66	0.37
	Right Tilted	0.106	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.66	0.66	0.66	0.65	0.39	0.65	0.39
	Left Cheek	0.114	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.67	0.67	0.64	0.54	0.39	0.51	0.36
	Left Tilted	0.087	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.64	0.64	0.69	0.49	0.36	0.53	0.41
WCDMA V Ant 1	Right Cheek	0.940	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.50	1.50	1.44	1.51	1.21	1.45	1.15
	Right Tilted	0.940	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.50	1.50	1.50	1.48	1.22	1.48	1.22
	Left Cheek	0.940	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.50	1.50	1.47	1.36	1.21	1.33	1.19
	Left Tilted	0.940	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.50	1.50	1.54	1.34	1.21	1.39	1.26
LTE Band 7 Ant 0	Right Cheek	0.076	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.63	0.63	0.58	0.64	0.35	0.59	0.29
	Right Tilted	0.003	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.56	0.56	0.56	0.55	0.29	0.55	0.29
	Left Cheek	0.045	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.60	0.60	0.57	0.47	0.32	0.44	0.29
	Left Tilted	0.041	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.60	0.60	0.64	0.44	0.31	0.49	0.36
LTE Band 7 Ant 1	Right Cheek	0.934	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.49	1.49	1.43	1.50	1.20	1.45	1.15
	Right Tilted	0.934	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.49	1.49	1.49	1.48	1.22	1.48	1.22
	Left Cheek	0.934	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.49	1.49	1.46	1.36	1.21	1.33	1.18
	Left Tilted	0.934	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.49	1.49	1.54	1.33	1.21	1.38	1.25
LTE Band 12(17) Ant 0	Right Cheek	0.205	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.76	0.76	0.71	0.77	0.48	0.72	0.42
	Right Tilted	0.099	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.65	0.66	0.66	0.64	0.38	0.64	0.38
	Left Cheek	0.172	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.73	0.73	0.70	0.59	0.45	0.57	0.42
	Left Tilted	0.007	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.56	0.56	0.61	0.41	0.28	0.45	0.33
LTE Band 12(17) Ant 1	Right Cheek	0.791	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.35	1.35	1.29	1.36	1.06	1.30	1.01
	Right Tilted	0.791	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.35	1.35	1.35	1.33	1.07	1.33	1.07
	Left Cheek	0.791	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.35	1.35	1.32	1.21	1.06	1.19	1.04
	Left Tilted	0.791	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.35	1.35	1.39	1.19	1.06	1.24	1.11
LTE Band 13 Ant 0	Right Cheek	0.151	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.71	0.71	0.65	0.72	0.42	0.66	0.37
	Right Tilted	0.090	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.65	0.65	0.65	0.63	0.37	0.63	0.37
	Left Cheek	0.084	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.64	0.64	0.61	0.51	0.36	0.48	0.33
	Left Tilted	0.066	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.62	0.62	0.67	0.47	0.34	0.51	0.39



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LTE Band 13 Ant 1	Right Cheek	0.455	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.01	1.01	0.96	1.02	0.73	0.97	0.67
	Right Tilted	0.455	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.01	1.01	1.01	1.00	0.74	1.00	0.74
	Left Cheek	0.762	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.32	1.32	1.29	1.18	1.04	1.16	1.01
	Left Tilted	0.653	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.21	1.21	1.26	1.05	0.93	1.10	0.97
LTE Band 14 Ant 0	Right Cheek	0.129	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.68	0.69	0.63	0.70	0.40	0.64	0.34
	Right Tilted	0.079	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.63	0.64	0.64	0.62	0.36	0.62	0.36
	Left Cheek	0.076	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.63	0.63	0.60	0.50	0.35	0.47	0.32
	Left Tilted	0.062	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.62	0.62	0.66	0.46	0.34	0.51	0.38
LTE Band 14 Ant 1	Right Cheek	0.933	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.49	1.49	1.43	1.50	1.20	1.44	1.15
	Right Tilted	0.933	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.49	1.49	1.49	1.48	1.22	1.48	1.22
	Left Cheek	0.933	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.49	1.49	1.46	1.36	1.21	1.33	1.18
	Left Tilted	0.933	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.49	1.49	1.54	1.33	1.21	1.38	1.25
LTE Band 25(2) Ant 0	Right Cheek	0.055	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.61	0.61	0.56	0.62	0.33	0.57	0.27
	Right Tilted	0.011	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.57	0.57	0.57	0.55	0.29	0.55	0.29
	Left Cheek	0.085	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.64	0.64	0.61	0.51	0.36	0.48	0.33
	Left Tilted	0.047	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.60	0.60	0.65	0.45	0.32	0.49	0.37
LTE Band 25(2) Ant 1	Right Cheek	0.930	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.49	1.49	1.43	1.50	1.20	1.44	1.14
	Right Tilted	0.930	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.49	1.49	1.49	1.47	1.21	1.47	1.21
	Left Cheek	0.930	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.49	1.49	1.46	1.35	1.20	1.32	1.18
	Left Tilted	0.930	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.49	1.49	1.53	1.33	1.20	1.38	1.25
LTE Band 26(5) Ant 0	Right Cheek	0.214	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.77	0.77	0.71	0.78	0.48	0.73	0.43
	Right Tilted	0.113	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.67	0.67	0.67	0.66	0.40	0.66	0.40
	Left Cheek	0.143	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.70	0.70	0.67	0.57	0.42	0.54	0.39
	Left Tilted	0.092	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.65	0.65	0.69	0.49	0.37	0.54	0.41
LTE Band 26(5) Ant 1	Right Cheek	0.933	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.49	1.49	1.43	1.50	1.20	1.44	1.15
	Right Tilted	0.933	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.49	1.49	1.49	1.48	1.22	1.48	1.22
	Left Cheek	0.933	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.49	1.49	1.46	1.36	1.21	1.33	1.18
	Left Tilted	0.933	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.49	1.49	1.54	1.33	1.21	1.38	1.25
LTE Band 30 Ant 0	Right Cheek	0.012	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.57	0.57	0.51	0.58	0.28	0.52	0.23
	Right Tilted	0.009	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.56	0.57	0.57	0.55	0.29	0.55	0.29
	Left Cheek	0.032	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.59	0.59	0.56	0.45	0.31	0.43	0.28
	Left Tilted	0.016	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.57	0.57	0.62	0.42	0.29	0.46	0.34
LTE Band 30 Ant 1	Right Cheek	0.947	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.50	1.50	1.45	1.51	1.22	1.46	1.16
	Right Tilted	0.947	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.50	1.50	1.50	1.49	1.23	1.49	1.23
	Left Cheek	0.947	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.50	1.50	1.48	1.37	1.22	1.34	1.19
	Left Tilted	0.947	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.50	1.50	1.55	1.35	1.22	1.39	1.27
LTE Band 66(4) Ant 0	Right Cheek	0.073	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.63	0.63	0.57	0.64	0.34	0.58	0.29
	Right Tilted	0.054	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.61	0.61	0.61	0.60	0.34	0.60	0.34
	Left Cheek	0.091	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.65	0.65	0.62	0.51	0.36	0.49	0.34
	Left Tilted	0.063	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.62	0.62	0.67	0.46	0.34	0.51	0.38
LTE Band 66(4) Ant 1	Right Cheek	0.938	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.49	1.49	1.44	1.51	1.21	1.45	1.15
	Right Tilted	0.938	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.49	1.49	1.49	1.48	1.22	1.48	1.22
	Left Cheek	0.938	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.49	1.49	1.47	1.36	1.21	1.33	1.18
	Left Tilted	0.938	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.49	1.49	1.54	1.34	1.21	1.38	1.26
LTE Band 41(38) Ant 0	Right Cheek	0.032	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.59	0.59	0.53	0.60	0.30	0.54	0.25
	Right Tilted	0.009	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.56	0.57	0.57	0.55	0.29	0.55	0.29
	Left Cheek	0.023	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.58	0.58	0.55	0.45	0.30	0.42	0.27
	Left Tilted	0.019	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.57	0.58	0.62	0.42	0.29	0.46	0.34
LTE Band 41(38) Ant 1	Right Cheek	0.960	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.52	1.52	1.46	1.53	1.23	1.47	1.17
	Right Tilted	0.960	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.52	1.52	1.52	1.50	1.24	1.50	1.24
	Left Cheek	0.960	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.52	1.52	1.49	1.38	1.23	1.35	1.21
	Left Tilted	0.960	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.52	1.52	1.56	1.36	1.23	1.41	1.28
LTE Band 41-HPUE Ant 0	Right Cheek	0.046	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.60	0.60	0.55	0.61	0.32	0.56	0.26
	Right Tilted	0.046	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.60	0.60	0.60	0.59	0.33	0.59	0.33
	Left Cheek	0.046	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.60	0.60	0.57	0.47	0.32	0.44	0.29
	Left Tilted	0.046	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.60	0.60	0.65	0.45	0.32	0.49	0.37

Sporton International (Kunshan) Inc.

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LTE Band 41-HPUE Ant 1	Right Cheek	0.914	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.47	1.47	1.41	1.48	1.18	1.43	1.13
	Right Tilted	0.914	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.47	1.47	1.47	1.46	1.20	1.46	1.20
	Left Cheek	0.914	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.47	1.47	1.44	1.34	1.19	1.31	1.16
	Left Tilted	0.914	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.47	1.47	1.52	1.31	1.19	1.36	1.23
LTE Band 48 Ant 2	Right Cheek	0.890	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.45	1.45	1.39	1.46	1.16	1.40	1.10
	Right Tilted	0.318	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.87	0.87	0.87	0.86	0.60	0.86	0.60
	Left Cheek	0.190	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.75	0.75	0.72	0.61	0.46	0.58	0.44
	Left Tilted	0.111	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.67	0.67	0.71	0.51	0.38	0.56	0.43
LTE Band 71 Ant 0	Right Cheek	0.152	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.71	0.71	0.65	0.72	0.42	0.66	0.37
	Right Tilted	0.080	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.64	0.64	0.64	0.62	0.36	0.62	0.36
	Left Cheek	0.086	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.64	0.64	0.61	0.51	0.36	0.48	0.33
	Left Tilted	0.065	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.62	0.62	0.67	0.46	0.34	0.51	0.38
LTE Band 71 Ant 1	Right Cheek	0.583	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.14	1.14	1.08	1.15	0.85	1.09	0.80
	Right Tilted	0.558	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.11	1.11	1.11	1.10	0.84	1.10	0.84
	Left Cheek	1.026	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.58	1.58	1.55	1.45	1.30	1.42	1.27
	Left Tilted	0.901	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.46	1.46	1.50	1.30	1.17	1.35	1.22



<5G NR Mode>

FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	9	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+9 Summed 1g SAR (W/kg)	1+6+7 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+7+9 Summed 10g SAR (W/kg)	1+8+9 Summed 10g SAR (W/kg)
		FR1 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + non-DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only 1g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN + non-DBS &WWAN + DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WiFi 6E 1g SAR (W/kg)								
FR1 n77 Part 27O Ant 2	Right Cheek	0.801	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.36	1.36	1.30	1.37	1.07	1.31	1.02	1.36
	Right Tilted	0.801	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.36	1.36	1.36	1.34	1.08	1.34	1.08	1.36
	Left Cheek	0.801	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.36	1.36	1.33	1.22	1.07	1.20	1.05	1.36
	Left Tilted	0.801	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.36	1.36	1.40	1.20	1.07	1.25	1.12	1.36
FR1 n77 Part 27Q Ant 2	Right Cheek	0.692	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.25	1.25	1.19	1.26	0.96	1.20	0.91	1.25
	Right Tilted	0.692	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.25	1.25	1.25	1.23	0.98	1.23	0.98	1.25
	Left Cheek	0.692	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.25	1.25	1.22	1.11	0.97	1.09	0.94	1.25
	Left Tilted	0.692	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.25	1.25	1.29	1.09	0.97	1.14	1.01	1.25
FR1 n78 Part 27O Ant 7	Right Cheek	0.220	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.78	0.78	0.72	0.79	0.49	0.73	0.43
	Right Tilted	0.384	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.94	0.94	0.94	0.93	0.67	0.93	0.67
	Left Cheek	0.125	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.68	0.68	0.65	0.55	0.40	0.52	0.37
	Left Tilted	0.061	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.62	0.62	0.66	0.46	0.33	0.51	0.38
FR1 n78 Part 27Q Ant 7	Right Cheek	0.519	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.07	1.08	1.02	1.09	0.79	1.03	0.73
	Right Tilted	0.284	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.84	0.84	0.84	0.83	0.57	0.83	0.57
	Left Cheek	0.339	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.89	0.90	0.87	0.76	0.61	0.73	0.58
	Left Tilted	0.224	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.78	0.78	0.83	0.62	0.50	0.67	0.54
FR1 n12 Ant 0	Right Cheek	0.119	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.67	0.68	0.62	0.69	0.39	0.63	0.33
	Right Tilted	0.062	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.62	0.62	0.62	0.60	0.35	0.60	0.35
	Left Cheek	0.094	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.65	0.65	0.62	0.52	0.37	0.49	0.34
	Left Tilted	0.012	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.57	0.57	0.61	0.41	0.29	0.46	0.33
FR1 n71 Ant 0	Right Cheek	0.085	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.64	0.64	0.59	0.65	0.36	0.60	0.30
	Right Tilted	0.076	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.63	0.63	0.63	0.62	0.36	0.62	0.36
	Left Cheek	0.066	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.62	0.62	0.59	0.49	0.34	0.46	0.31
	Left Tilted	0.012	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.57	0.57	0.61	0.41	0.29	0.46	0.33
FR1 n71 Ant 1	Right Cheek	0.442	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.00	1.00	0.94	1.01	0.71	0.95	0.66
	Right Tilted	0.431	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.99	0.99	0.99	0.97	0.71	0.97	0.71
	Left Cheek	0.773	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.33	1.33	1.30	1.20	1.05	1.17	1.02
	Left Tilted	0.682	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.24	1.24	1.28	1.08	0.96	1.13	1.00
FR1 n26(5) Ant 0	Right Cheek	0.153	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.71	0.71	0.65	0.72	0.42	0.66	0.37
	Right Tilted	0.090	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.65	0.65	0.65	0.63	0.37	0.63	0.37
	Left Cheek	0.103	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.66	0.66	0.63	0.53	0.38	0.50	0.35
	Left Tilted	0.071	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.63	0.63	0.67	0.47	0.34	0.52	0.39
FR1 n5 Ant 1	Right Cheek	0.571	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.13	1.13	1.07	1.14	0.84	1.08	0.79
	Right Tilted	0.543	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.10	1.10	1.10	1.09	0.83	1.09	0.83
	Left Cheek	0.819	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.37	1.38	1.35	1.24	1.09	1.21	1.06
	Left Tilted	0.762	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.32	1.32	1.36	1.16	1.04	1.21	1.08
FR1 n66 Ant 0	Right Cheek	0.046	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.60	0.60	0.55	0.61	0.32	0.56	0.26
	Right Tilted	0.012	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.57	0.57	0.57	0.55	0.30	0.55	0.30
	Left Cheek	0.055	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.61	0.61	0.58	0.48	0.33	0.45	0.30
	Left Tilted	0.040	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.60	0.60	0.64	0.44	0.31	0.49	0.36
FR1 n66 Ant 1	Right Cheek	0.942	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.50	1.50	1.44	1.51	1.21	1.45	1.16
	Right Tilted	0.942	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.50	1.50	1.50	1.48	1.23	1.48	1.23
	Left Cheek	0.942	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.50	1.50	1.47	1.36	1.22	1.34	1.19
	Left Tilted	0.942	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.50	1.50	1.54	1.34	1.22	1.39	1.26
FR1 n25(2) Ant 0	Right Cheek	0.007	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.56	0.56	0.51	0.57	0.28	0.52	0.22
	Right Tilted	0.004	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.56	0.56	0.56	0.55	0.29	0.55	0.29
	Left Cheek	0.058	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.61	0.61	0.59	0.48	0.33	0.45	0.30
	Left Tilted	0.025	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.58	0.58	0.63	0.42	0.30	0.47	0.34
FR1 n25(2)	Right Cheek	0.930	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.49	1.49	1.43	1.50	1.20	1.44	1.14



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Ant 1	Right Tilted	0.930	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.49	1.49	1.49	1.47	1.21	1.47	1.21
	Left Cheek	0.930	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.49	1.49	1.46	1.35	1.20	1.32	1.18
	Left Tilted	0.930	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.49	1.49	1.53	1.33	1.20	1.38	1.25
FR1 n30 Ant 1	Right Cheek	0.932	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.49	1.49	1.43	1.50	1.20	1.44	1.15
	Right Tilted	0.932	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.49	1.49	1.49	1.47	1.22	1.47	1.22
	Left Cheek	0.932	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.49	1.49	1.46	1.35	1.21	1.33	1.18
	Left Tilted	0.932	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.49	1.49	1.53	1.33	1.21	1.38	1.25
FR1 n41-HPUE Ant 0	Right Cheek	0.058	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.61	0.61	0.56	0.63	0.33	0.57	0.27
	Right Tilted	0.043	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.60	0.60	0.60	0.59	0.33	0.59	0.33
	Left Cheek	0.035	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.59	0.59	0.56	0.46	0.31	0.43	0.28
	Left Tilted	0.040	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.60	0.60	0.64	0.44	0.31	0.49	0.36
FR1 n41-HPUE Ant 1	Right Cheek	0.923	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.48	1.48	1.42	1.49	1.19	1.43	1.14
	Right Tilted	0.923	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.48	1.48	1.48	1.47	1.21	1.47	1.21
	Left Cheek	0.923	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.48	1.48	1.45	1.35	1.20	1.32	1.17
	Left Tilted	0.923	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.48	1.48	1.53	1.32	1.20	1.37	1.24
FR1 n7 Ant 1	Right Cheek	0.923	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.48	1.48	1.42	1.49	1.19	1.43	1.14
	Right Tilted	0.923	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.48	1.48	1.48	1.47	1.21	1.47	1.21
	Left Cheek	0.923	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.48	1.48	1.45	1.35	1.20	1.32	1.17
	Left Tilted	0.923	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.48	1.48	1.53	1.32	1.20	1.37	1.24
FR1 n77 Part 27O(HPUE) Ant 2	Right Cheek	0.825	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.38	1.38	1.33	1.39	1.10	1.34	1.04
	Right Tilted	0.825	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.38	1.38	1.38	1.37	1.11	1.37	1.11
	Left Cheek	0.825	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.38	1.38	1.35	1.25	1.10	1.22	1.07
	Left Tilted	0.825	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.38	1.38	1.43	1.22	1.10	1.27	1.14
FR1 n77 Part 27Q(HPUE) Ant 2	Right Cheek	0.713	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.27	1.27	1.21	1.28	0.98	1.22	0.93
	Right Tilted	0.713	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.27	1.27	1.27	1.26	1.00	1.26	1.00
	Left Cheek	0.713	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.27	1.27	1.24	1.14	0.99	1.11	0.96
	Left Tilted	0.713	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.27	1.27	1.32	1.11	0.99	1.16	1.03
FR1 n78 Part 27O(HPUE) Ant 7	Right Cheek	0.405	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	0.96	0.96	0.91	0.97	0.68	0.92	0.62
	Right Tilted	0.405	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	0.96	0.96	0.96	0.95	0.69	0.95	0.69
	Left Cheek	0.405	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	0.96	0.96	0.93	0.83	0.68	0.80	0.65
	Left Tilted	0.405	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	0.96	0.96	1.01	0.80	0.68	0.85	0.72
FR1 n78 Part 27Q(HPUE) Ant 7	Right Cheek	0.556	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	1.43	1.11	1.11	1.06	1.12	0.83	1.07	0.77
	Right Tilted	0.556	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	1.43	1.11	1.11	1.11	1.10	0.84	1.10	0.84
	Left Cheek	0.556	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	1.43	1.11	1.11	1.08	0.98	0.83	0.95	0.80
	Left Tilted	0.556	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	1.43	1.11	1.11	1.16	0.96	0.83	1.00	0.88



<SRS Mode>

FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	9	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+9 Summed 1g SAR (W/kg)	1+6+7 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+7+9 Summed 10g SAR (W/kg)	1+8+9 Summed 10g SAR (W/kg)
		FR1 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + on DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only 1g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN + on DBS&WWAN + DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WIFI 6E 1g SAR (W/kg)								
FR1 n78 Part 270(HPUE) Ant 3	Right Cheek	0.005	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	0.74	0.56	0.56	0.51	0.57	0.28	0.52	0.22
	Right Tilted	0.005	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	0.74	0.56	0.56	0.56	0.55	0.29	0.55	0.29
	Left Cheek	0.005	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	0.74	0.56	0.56	0.53	0.43	0.28	0.40	0.25
	Left Tilted	0.005	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	0.74	0.56	0.56	0.61	0.40	0.28	0.45	0.32
FR1 n78 Part 270(HPUE) Ant 3	Right Cheek	0.009	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	0.74	0.56	0.57	0.51	0.58	0.28	0.52	0.22
	Right Tilted	0.009	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	0.74	0.56	0.57	0.57	0.55	0.29	0.55	0.29
	Left Cheek	0.009	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	0.74	0.56	0.57	0.54	0.43	0.28	0.40	0.25
	Left Tilted	0.009	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	0.74	0.56	0.57	0.61	0.41	0.28	0.45	0.33
FR1 n78 Part 270(HPUE) Ant 8	Right Cheek	0.005	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	0.74	0.56	0.56	0.51	0.57	0.28	0.52	0.22
	Right Tilted	0.005	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	0.74	0.56	0.56	0.56	0.55	0.29	0.55	0.29
	Left Cheek	0.005	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	0.74	0.56	0.56	0.53	0.43	0.28	0.40	0.25
	Left Tilted	0.005	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	0.74	0.56	0.56	0.61	0.40	0.28	0.45	0.32
FR1 n78 Part 270(HPUE) Ant 8	Right Cheek	0.003	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	0.74	0.56	0.56	0.50	0.57	0.27	0.51	0.22
	Right Tilted	0.003	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	0.74	0.56	0.56	0.56	0.55	0.29	0.55	0.29
	Left Cheek	0.003	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	0.74	0.56	0.56	0.53	0.43	0.28	0.40	0.25
	Left Tilted	0.003	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	0.74	0.56	0.56	0.61	0.40	0.28	0.45	0.32
FR1 n78 Part 270 Ant 3	Right Cheek	0.004	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	0.74	0.56	0.56	0.50	0.57	0.27	0.52	0.22
	Right Tilted	0.003	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	0.74	0.56	0.56	0.56	0.55	0.29	0.55	0.29
	Left Cheek	0.002	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	0.73	0.56	0.56	0.53	0.42	0.28	0.40	0.25
	Left Tilted	0.003	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	0.74	0.56	0.56	0.61	0.40	0.28	0.45	0.32
FR1 n78 Part 270 Ant 3	Right Cheek	0.004	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	0.74	0.56	0.56	0.50	0.57	0.27	0.52	0.22
	Right Tilted	0.004	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	0.74	0.56	0.56	0.56	0.55	0.29	0.55	0.29
	Left Cheek	0.006	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	0.74	0.56	0.56	0.53	0.43	0.28	0.40	0.25
	Left Tilted	0.002	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	0.73	0.56	0.56	0.60	0.40	0.28	0.45	0.32
FR1 n78 Part 270 Ant 8	Right Cheek	0.004	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	0.74	0.56	0.56	0.50	0.57	0.27	0.52	0.22
	Right Tilted	0.003	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	0.74	0.56	0.56	0.56	0.55	0.29	0.55	0.29
	Left Cheek	0.002	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	0.73	0.56	0.56	0.53	0.42	0.28	0.40	0.25
	Left Tilted	0.002	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	0.73	0.56	0.56	0.60	0.40	0.28	0.45	0.32
FR1 n78 Part 27Q Ant 8	Right Cheek	0.002	0.701	0.555	0.288	0.732	0.268	0.299	0.002	0.212	0.73	0.56	0.56	0.50	0.57	0.27	0.51	0.22
	Right Tilted	0.002	0.701	0.555	0.288	0.732	0.268	0.274	0.015	0.268	0.73	0.56	0.56	0.56	0.54	0.29	0.54	0.29
	Left Cheek	0.001	0.701	0.555	0.288	0.732	0.268	0.154	0.005	0.240	0.73	0.56	0.56	0.53	0.42	0.27	0.40	0.25
	Left Tilted	0.001	0.701	0.555	0.288	0.732	0.268	0.131	0.005	0.314	0.73	0.56	0.56	0.60	0.40	0.27	0.45	0.32

17.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN + non-DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN + DBS 1g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN + non-DBS & WWAN + DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)				
GSM850 Ant 0	Front	0.518	0.381	0.270	0.285	0.196	0.012	0.90	1.07	1.00	0.82
	Back	0.866	0.509	0.270	0.285	0.273	0.145	1.38	1.42	1.42	1.30
	Left side	0.089	0.097	0.270	0.285	0.054		0.19	0.64	0.43	0.37
	Right side	0.172	0.068	0.270	0.285	0.035	0.039	0.24	0.73	0.49	0.50
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.415		0.270	0.285			0.42	0.97	0.70	0.70
GSM850 Ant 1	Front	0.566	0.381	0.270	0.285	0.196	0.012	0.95	1.12	1.05	0.86
	Back	0.876	0.509	0.270	0.285	0.273	0.145	1.39	1.43	1.43	1.31
	Left side	0.112	0.097	0.270	0.285	0.054		0.21	0.67	0.45	0.40
	Right side	0.192	0.068	0.270	0.285	0.035	0.039	0.26	0.75	0.51	0.52
	Top side	0.514	0.475	0.270	0.285	0.209	0.002	0.99	1.07	1.01	0.80
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
GSM1900 Ant 0	Front	0.401	0.381	0.270	0.285	0.196	0.012	0.78	0.96	0.88	0.70
	Back	0.497	0.509	0.270	0.285	0.273	0.145	1.01	1.05	1.06	0.93
	Left side	0.029	0.097	0.270	0.285	0.054		0.13	0.58	0.37	0.31
	Right side	0.025	0.068	0.270	0.285	0.035	0.039	0.09	0.58	0.35	0.35
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.949		0.270	0.285			0.95	1.50	1.23	1.23
WCDMA II Ant 0	Front	0.497	0.381	0.270	0.285	0.196	0.012	0.88	1.05	0.98	0.79
	Back	0.584	0.509	0.270	0.285	0.273	0.145	1.09	1.14	1.14	1.01
	Left side	0.028	0.097	0.270	0.285	0.054		0.13	0.58	0.37	0.31
	Right side	0.022	0.068	0.270	0.285	0.035	0.039	0.09	0.58	0.34	0.35
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.923		0.270	0.285			0.92	1.48	1.21	1.21
WCDMA IV Ant 0	Front	0.495	0.381	0.270	0.285	0.196	0.012	0.88	1.05	0.98	0.79
	Back	0.544	0.509	0.270	0.285	0.273	0.145	1.05	1.10	1.10	0.97
	Left side	0.025	0.097	0.270	0.285	0.054		0.12	0.58	0.36	0.31
	Right side	0.036	0.068	0.270	0.285	0.035	0.039	0.10	0.59	0.36	0.36
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.934		0.270	0.285			0.93	1.49	1.22	1.22
WCDMA V Ant 0	Front	0.497	0.381	0.270	0.285	0.196	0.012	0.88	1.05	0.98	0.79
	Back	0.876	0.509	0.270	0.285	0.273	0.145	1.39	1.43	1.43	1.31
	Left side	0.082	0.097	0.270	0.285	0.054		0.18	0.64	0.42	0.37
	Right side	0.140	0.068	0.270	0.285	0.035	0.039	0.21	0.70	0.46	0.46
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.432		0.270	0.285			0.43	0.99	0.72	0.72
WCDMA V Ant 1	Front	0.459	0.381	0.270	0.285	0.196	0.012	0.84	1.01	0.94	0.76
	Back	0.610	0.509	0.270	0.285	0.273	0.145	1.12	1.17	1.17	1.04
	Left side	0.118	0.097	0.270	0.285	0.054		0.22	0.67	0.46	0.40
	Right side	0.224	0.068	0.270	0.285	0.035	0.039	0.29	0.78	0.54	0.55
	Top side	0.940	0.475	0.270	0.285	0.209	0.002	1.42	1.50	1.43	1.23
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
LTE Band 7 Ant 0	Front	0.358	0.381	0.270	0.285	0.196	0.012	0.74	0.91	0.84	0.66
	Back	0.400	0.509	0.270	0.285	0.273	0.145	0.91	0.96	0.96	0.83
	Left side	0.018	0.097	0.270	0.285	0.054		0.12	0.57	0.36	0.30
	Right side	0.031	0.068	0.270	0.285	0.035	0.039	0.10	0.59	0.35	0.36
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.930		0.270	0.285			0.93	1.49	1.22	1.22
LTE Band 7	Front	0.381	0.381	0.270	0.285	0.196	0.012	0.76	0.94	0.86	0.68



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Ant 1	Back	0.542	0.509	0.270	0.285	0.273	0.145	1.05	1.10	1.10	0.97
	Left side	0.027	0.097	0.270	0.285	0.054		0.12	0.58	0.37	0.31
	Right side	0.075	0.068	0.270	0.285	0.035	0.039	0.14	0.63	0.40	0.40
	Top side	0.924	0.475	0.270	0.285	0.209	0.002	1.40	1.48	1.42	1.21
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
LTE Band 12(17) Ant 0	Front	0.505	0.381	0.270	0.285	0.196	0.012	0.89	1.06	0.99	0.80
	Back	0.898	0.509	0.270	0.285	0.273	0.145	1.41	1.45	1.46	1.33
	Left side	0.167	0.097	0.270	0.285	0.054		0.26	0.72	0.51	0.45
	Right side	0.224	0.068	0.270	0.285	0.035	0.039	0.29	0.78	0.54	0.55
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
LTE Band 12(17) Ant 1	Bottom side	0.551		0.270	0.285			0.55	1.11	0.84	0.84
	Front	0.376	0.381	0.270	0.285	0.196	0.012	0.76	0.93	0.86	0.67
	Back	0.532	0.509	0.270	0.285	0.273	0.145	1.04	1.09	1.09	0.96
	Left side	0.179	0.097	0.270	0.285	0.054		0.28	0.73	0.52	0.46
	Right side	0.362	0.068	0.270	0.285	0.035	0.039	0.43	0.92	0.68	0.69
LTE Band 13 Ant 0	Top side	0.583	0.475	0.270	0.285	0.209	0.002	1.06	1.14	1.08	0.87
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
	Front	0.490	0.381	0.270	0.285	0.196	0.012	0.87	1.05	0.97	0.79
	Back	0.817	0.509	0.270	0.285	0.273	0.145	1.33	1.37	1.38	1.25
	Left side	0.135	0.097	0.270	0.285	0.054		0.23	0.69	0.47	0.42
LTE Band 13 Ant 1	Right side	0.243	0.068	0.270	0.285	0.035	0.039	0.31	0.80	0.56	0.57
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.506		0.270	0.285			0.51	1.06	0.79	0.79
	Front	0.420	0.381	0.270	0.285	0.196	0.012	0.80	0.98	0.90	0.72
	Back	0.465	0.509	0.270	0.285	0.273	0.145	0.97	1.02	1.02	0.90
LTE Band 14 Ant 0	Left side	0.181	0.097	0.270	0.285	0.054		0.28	0.74	0.52	0.47
	Right side	0.382	0.068	0.270	0.285	0.035	0.039	0.45	0.94	0.70	0.71
	Top side	0.648	0.475	0.270	0.285	0.209	0.002	1.12	1.20	1.14	0.94
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
	Front	0.422	0.381	0.270	0.285	0.196	0.012	0.80	0.98	0.90	0.72
LTE Band 14 Ant 1	Back	0.548	0.509	0.270	0.285	0.273	0.145	1.06	1.10	1.11	0.98
	Left side	0.108	0.097	0.270	0.285	0.054		0.21	0.66	0.45	0.39
	Right side	0.220	0.068	0.270	0.285	0.035	0.039	0.29	0.78	0.54	0.54
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.422		0.270	0.285			0.42	0.98	0.71	0.71
LTE Band 25(2) Ant 0	Front	0.556	0.381	0.270	0.285	0.196	0.012	0.94	1.11	1.04	0.85
	Back	0.628	0.509	0.270	0.285	0.273	0.145	1.14	1.18	1.19	1.06
	Left side	0.261	0.097	0.270	0.285	0.054		0.36	0.82	0.60	0.55
	Right side	0.499	0.068	0.270	0.285	0.035	0.039	0.57	1.05	0.82	0.82
	Top side	0.929	0.475	0.270	0.285	0.209	0.002	1.40	1.48	1.42	1.22
LTE Band 25(2) Ant 1	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
	Front	0.463	0.381	0.270	0.285	0.196	0.012	0.84	1.02	0.94	0.76
	Back	0.575	0.509	0.270	0.285	0.273	0.145	1.08	1.13	1.13	1.01
	Left side	0.025	0.097	0.270	0.285	0.054		0.12	0.58	0.36	0.31
	Right side	0.023	0.068	0.270	0.285	0.035	0.039	0.09	0.58	0.34	0.35
LTE Band 26(5) Ant 0	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.937		0.270	0.285			0.94	1.49	1.22	1.22
	Front	0.442	0.381	0.270	0.285	0.196	0.012	0.82	1.00	0.92	0.74
	Back	0.645	0.509	0.270	0.285	0.273	0.145	1.15	1.20	1.20	1.08
	Left side	0.024	0.097	0.270	0.285	0.054		0.12	0.58	0.36	0.31
LTE Band 26(5) Ant 1	Right side	0.092	0.068	0.270	0.285	0.035	0.039	0.16	0.65	0.41	0.42
	Top side	0.923	0.475	0.270	0.285	0.209	0.002	1.40	1.48	1.42	1.21
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
	Front	0.596	0.381	0.270	0.285	0.196	0.012	0.98	1.15	1.08	0.89
	Back	0.940	0.509	0.270	0.285	0.273	0.145	1.45	1.50	1.50	1.37
LTE Band 26(5) Ant 0	Left side	0.084	0.097	0.270	0.285	0.054		0.18	0.64	0.42	0.37

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	Right side	0.173	0.068	0.270	0.285	0.035	0.039	0.24	0.73	0.49	0.50
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.612		0.270	0.285			0.61	1.17	0.90	0.90
LTE Band 26(5) Ant 1	Front	0.535	0.381	0.270	0.285	0.196	0.012	0.92	1.09	1.02	0.83
	Back	0.634	0.509	0.270	0.285	0.273	0.145	1.14	1.19	1.19	1.06
	Left side	0.154	0.097	0.270	0.285	0.054		0.25	0.71	0.49	0.44
	Right side	0.274	0.068	0.270	0.285	0.035	0.039	0.34	0.83	0.59	0.60
	Top side	0.856	0.475	0.270	0.285	0.209	0.002	1.33	1.41	1.35	1.14
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
LTE Band 30 Ant 0	Front	0.404	0.381	0.270	0.285	0.196	0.012	0.79	0.96	0.89	0.70
	Back	0.400	0.509	0.270	0.285	0.273	0.145	0.91	0.96	0.96	0.83
	Left side	0.021	0.097	0.270	0.285	0.054		0.12	0.58	0.36	0.31
	Right side	0.025	0.068	0.270	0.285	0.035	0.039	0.09	0.58	0.35	0.35
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.941		0.270	0.285			0.94	1.50	1.23	1.23
LTE Band 30 Ant 1	Front	0.455	0.381	0.270	0.285	0.196	0.012	0.84	1.01	0.94	0.75
	Back	0.571	0.509	0.270	0.285	0.273	0.145	1.08	1.13	1.13	1.00
	Left side	0.040	0.097	0.270	0.285	0.054		0.14	0.60	0.38	0.33
	Right side	0.102	0.068	0.270	0.285	0.035	0.039	0.17	0.66	0.42	0.43
	Top side	0.936	0.475	0.270	0.285	0.209	0.002	1.41	1.49	1.43	1.22
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
LTE Band 66(4) Ant 0	Front	0.451	0.381	0.270	0.285	0.196	0.012	0.83	1.01	0.93	0.75
	Back	0.530	0.509	0.270	0.285	0.273	0.145	1.04	1.09	1.09	0.96
	Left side	0.020	0.097	0.270	0.285	0.054		0.12	0.58	0.36	0.31
	Right side	0.029	0.068	0.270	0.285	0.035	0.039	0.10	0.58	0.35	0.35
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.938		0.270	0.285			0.94	1.49	1.22	1.22
LTE Band 66(4) Ant 1	Front	0.681	0.381	0.270	0.285	0.196	0.012	1.06	1.24	1.16	0.98
	Back	0.835	0.509	0.270	0.285	0.273	0.145	1.34	1.39	1.39	1.27
	Left side	0.239	0.097	0.270	0.285	0.054		0.34	0.79	0.58	0.52
	Right side	0.129	0.068	0.270	0.285	0.035	0.039	0.20	0.68	0.45	0.45
	Top side	0.936	0.475	0.270	0.285	0.209	0.002	1.41	1.49	1.43	1.22
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
LTE Band 41(38) Ant 0	Front	0.254	0.381	0.270	0.285	0.196	0.012	0.64	0.81	0.74	0.55
	Back	0.301	0.509	0.270	0.285	0.273	0.145	0.81	0.86	0.86	0.73
	Left side	0.011	0.097	0.270	0.285	0.054		0.11	0.57	0.35	0.30
	Right side	0.029	0.068	0.270	0.285	0.035	0.039	0.10	0.58	0.35	0.35
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.800		0.270	0.285			0.80	1.36	1.09	1.09
LTE Band 41(38) Ant 1	Front	0.314	0.381	0.270	0.285	0.196	0.012	0.70	0.87	0.80	0.61
	Back	0.487	0.509	0.270	0.285	0.273	0.145	1.00	1.04	1.05	0.92
	Left side	0.013	0.097	0.270	0.285	0.054		0.11	0.57	0.35	0.30
	Right side	0.057	0.068	0.270	0.285	0.035	0.039	0.13	0.61	0.38	0.38
	Top side	0.979	0.475	0.270	0.285	0.209	0.002	1.45	1.53	1.47	1.27
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
LTE Band 41-HPUE Ant 0	Front	0.747	0.381	0.270	0.285	0.196	0.012	1.13	1.30	1.23	1.04
	Back	0.747	0.509	0.270	0.285	0.273	0.145	1.26	1.30	1.31	1.18
	Left side	0.747	0.097	0.270	0.285	0.054		0.84	1.30	1.09	1.03
	Right side	0.747	0.068	0.270	0.285	0.035	0.039	0.82	1.30	1.07	1.07
	Top side	0.747	0.475	0.270	0.285	0.209	0.002	1.22	1.30	1.24	1.03
	Bottom side	0.747		0.270	0.285			0.75	1.30	1.03	1.03
LTE Band 41-HPUE Ant 1	Front	0.916	0.381	0.270	0.285	0.196	0.012	1.30	1.47	1.40	1.21
	Back	0.916	0.509	0.270	0.285	0.273	0.145	1.43	1.47	1.47	1.35
	Left side	0.916	0.097	0.270	0.285	0.054		1.01	1.47	1.26	1.20
	Right side	0.916	0.068	0.270	0.285	0.035	0.039	0.98	1.47	1.24	1.24
	Top side	0.916	0.475	0.270	0.285	0.209	0.002	1.39	1.47	1.41	1.20

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	Bottom side	0.916		0.270	0.285			0.92	1.47	1.20	1.20
LTE Band 48 Ant 2	Front	0.072	0.381	0.270	0.285	0.196	0.012	0.45	0.63	0.55	0.37
	Back	0.941	0.509	0.270	0.285	0.273	0.145	1.45	1.50	1.50	1.37
	Left side	0.227	0.097	0.270	0.285	0.054		0.32	0.78	0.57	0.51
	Right side	0.006	0.068	0.270	0.285	0.035	0.039	0.07	0.56	0.33	0.33
	Top side	0.032	0.475	0.270	0.285	0.209	0.002	0.51	0.59	0.53	0.32
	Bottom side	0.012		0.270	0.285			0.01	0.57	0.30	0.30
LTE Band 71 Ant 0	Front	0.385	0.381	0.270	0.285	0.196	0.012	0.77	0.94	0.87	0.68
	Back	0.711	0.509	0.270	0.285	0.273	0.145	1.22	1.27	1.27	1.14
	Left side	0.153	0.097	0.270	0.285	0.054		0.25	0.71	0.49	0.44
	Right side	0.242	0.068	0.270	0.285	0.035	0.039	0.31	0.80	0.56	0.57
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.535		0.270	0.285			0.54	1.09	0.82	0.82
LTE Band 71 Ant 1	Front	0.358	0.381	0.270	0.285	0.196	0.012	0.74	0.91	0.84	0.66
	Back	0.449	0.509	0.270	0.285	0.273	0.145	0.96	1.00	1.01	0.88
	Left side	0.159	0.097	0.270	0.285	0.054		0.26	0.71	0.50	0.44
	Right side	0.390	0.068	0.270	0.285	0.035	0.039	0.46	0.95	0.71	0.71
	Top side	0.533	0.475	0.270	0.285	0.209	0.002	1.01	1.09	1.03	0.82
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29



<5GNR Mode>

FR1 Band	Exposure Position	1	2	3	4	5	6	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)
		FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN + non- DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN + DBS 1g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN + non- DBS &WWAN + DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)				
FR1 n77 Part 270 Ant 2	Front	0.107	0.381	0.270	0.285	0.196	0.012	0.49	0.66	0.59	0.40
	Back	0.895	0.509	0.270	0.285	0.273	0.145	1.40	1.45	1.45	1.33
	Left side	0.303	0.097	0.270	0.285	0.054		0.40	0.86	0.64	0.59
	Right side	0.004	0.068	0.270	0.285	0.035	0.039	0.07	0.56	0.32	0.33
	Top side	0.042	0.475	0.270	0.285	0.209	0.002	0.52	0.60	0.54	0.33
	Bottom side	0.020		0.270	0.285			0.02	0.58	0.31	0.31
FR1 n77 Part 270 Ant 2	Front	0.070	0.381	0.270	0.285	0.196	0.012	0.45	0.63	0.55	0.37
	Back	0.937	0.509	0.270	0.285	0.273	0.145	1.45	1.49	1.50	1.37
	Left side	0.247	0.097	0.270	0.285	0.054		0.34	0.80	0.59	0.53
	Right side	0.004	0.068	0.270	0.285	0.035	0.039	0.07	0.56	0.32	0.33
	Top side	0.079	0.475	0.270	0.285	0.209	0.002	0.55	0.63	0.57	0.37
	Bottom side	0.012		0.270	0.285			0.01	0.57	0.30	0.30
FR1 n78 Part 270 Ant 7	Front	0.050	0.381	0.270	0.285	0.196	0.012	0.43	0.61	0.53	0.35
	Back	0.985	0.509	0.270	0.285	0.273	0.145	1.49	1.54	1.54	1.42
	Left side	0.064	0.097	0.270	0.285	0.054		0.16	0.62	0.40	0.35
	Right side	0.012	0.068	0.270	0.285	0.035	0.039	0.08	0.57	0.33	0.34
	Top side	0.272	0.475	0.270	0.285	0.209	0.002	0.75	0.83	0.77	0.56
	Bottom side	0.016		0.270	0.285			0.02	0.57	0.30	0.30
FR1 n78 Part 270 Ant 7	Front	0.053	0.381	0.270	0.285	0.196	0.012	0.43	0.61	0.53	0.35
	Back	0.932	0.509	0.270	0.285	0.273	0.145	1.44	1.49	1.49	1.36
	Left side	0.047	0.097	0.270	0.285	0.054		0.14	0.60	0.39	0.33
	Right side	0.026	0.068	0.270	0.285	0.035	0.039	0.09	0.58	0.35	0.35
	Top side	0.229	0.475	0.270	0.285	0.209	0.002	0.70	0.78	0.72	0.52
	Bottom side	0.007		0.270	0.285			0.01	0.56	0.29	0.29
FR1 n12 Ant 0	Front	0.392	0.381	0.270	0.285	0.196	0.012	0.77	0.95	0.87	0.69
	Back	0.707	0.509	0.270	0.285	0.273	0.145	1.22	1.26	1.27	1.14
	Left side	0.154	0.097	0.270	0.285	0.054		0.25	0.71	0.49	0.44
	Right side	0.204	0.068	0.270	0.285	0.035	0.039	0.27	0.76	0.52	0.53
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.398		0.270	0.285			0.40	0.95	0.68	0.68
FR1 n71 Ant 0	Front	0.346	0.381	0.270	0.285	0.196	0.012	0.73	0.90	0.83	0.64
	Back	0.671	0.509	0.270	0.285	0.273	0.145	1.18	1.23	1.23	1.10
	Left side	0.142	0.097	0.270	0.285	0.054		0.24	0.70	0.48	0.43
	Right side	0.225	0.068	0.270	0.285	0.035	0.039	0.29	0.78	0.55	0.55
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.385		0.270	0.285			0.39	0.94	0.67	0.67
FR1 n71 Ant 1	Front	0.210	0.381	0.270	0.285	0.196	0.012	0.59	0.77	0.69	0.51
	Back	0.310	0.509	0.270	0.285	0.273	0.145	0.82	0.87	0.87	0.74
	Left side	0.099	0.097	0.270	0.285	0.054		0.20	0.65	0.44	0.38
	Right side	0.283	0.068	0.270	0.285	0.035	0.039	0.35	0.84	0.60	0.61
	Top side	0.406	0.475	0.270	0.285	0.209	0.002	0.88	0.96	0.90	0.69
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
FR1 n26(5) Ant 0	Front	0.607	0.381	0.270	0.285	0.196	0.012	0.99	1.16	1.09	0.90
	Back	0.995	0.509	0.270	0.285	0.273	0.145	1.50	1.55	1.55	1.43
	Left side	0.114	0.097	0.270	0.285	0.054		0.21	0.67	0.45	0.40
	Right side	0.220	0.068	0.270	0.285	0.035	0.039	0.29	0.78	0.54	0.54
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.526		0.270	0.285			0.53	1.08	0.81	0.81
FR1 n5 Ant 1	Front	0.406	0.381	0.270	0.285	0.196	0.012	0.79	0.96	0.89	0.70
	Back	0.466	0.509	0.270	0.285	0.273	0.145	0.98	1.02	1.02	0.90



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	Left side	0.175	0.097	0.270	0.285	0.054		0.27	0.73	0.51	0.46
	Right side	0.383	0.068	0.270	0.285	0.035	0.039	0.45	0.94	0.70	0.71
	Top side	0.855	0.475	0.270	0.285	0.209	0.002	1.33	1.41	1.35	1.14
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
FR1 n66 Ant 0	Front	0.520	0.381	0.270	0.285	0.196	0.012	0.90	1.08	1.00	0.82
	Back	0.596	0.509	0.270	0.285	0.273	0.145	1.11	1.15	1.15	1.03
	Left side	0.027	0.097	0.270	0.285	0.054		0.12	0.58	0.37	0.31
	Right side	0.040	0.068	0.270	0.285	0.035	0.039	0.11	0.60	0.36	0.36
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.936		0.270	0.285			0.94	1.49	1.22	1.22
FR1 n66 Ant 1	Front	0.558	0.381	0.270	0.285	0.196	0.012	0.94	1.11	1.04	0.86
	Back	0.716	0.509	0.270	0.285	0.273	0.145	1.23	1.27	1.27	1.15
	Left side	0.022	0.097	0.270	0.285	0.054		0.12	0.58	0.36	0.31
	Right side	0.114	0.068	0.270	0.285	0.035	0.039	0.18	0.67	0.43	0.44
	Top side	0.923	0.475	0.270	0.285	0.209	0.002	1.40	1.48	1.42	1.21
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
FR1 n25(2) Ant 0	Front	0.467	0.381	0.270	0.285	0.196	0.012	0.85	1.02	0.95	0.76
	Back	0.556	0.509	0.270	0.285	0.273	0.145	1.07	1.11	1.11	0.99
	Left side	0.032	0.097	0.270	0.285	0.054		0.13	0.59	0.37	0.32
	Right side	0.028	0.068	0.270	0.285	0.035	0.039	0.10	0.58	0.35	0.35
	Top side		0.475	0.270	0.285	0.209	0.002	0.48	0.56	0.49	0.29
	Bottom side	0.950		0.270	0.285			0.95	1.51	1.24	1.24
FR1 n25(2) Ant 1	Front	0.445	0.381	0.270	0.285	0.196	0.012	0.83	1.00	0.93	0.74
	Back	0.577	0.509	0.270	0.285	0.273	0.145	1.09	1.13	1.14	1.01
	Left side	0.016	0.097	0.270	0.285	0.054		0.11	0.57	0.36	0.30
	Right side	0.067	0.068	0.270	0.285	0.035	0.039	0.14	0.62	0.39	0.39
	Top side	0.933	0.475	0.270	0.285	0.209	0.002	1.41	1.49	1.43	1.22
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
FR1 n30 Ant 1	Front	0.459	0.381	0.270	0.285	0.196	0.012	0.84	1.01	0.94	0.76
	Back	0.683	0.509	0.270	0.285	0.273	0.145	1.19	1.24	1.24	1.11
	Left side	0.035	0.097	0.270	0.285	0.054		0.13	0.59	0.37	0.32
	Right side	0.093	0.068	0.270	0.285	0.035	0.039	0.16	0.65	0.41	0.42
	Top side	0.938	0.475	0.270	0.285	0.209	0.002	1.41	1.49	1.43	1.23
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
FR1 n41-HPUE Ant 0	Front	0.397	0.381	0.270	0.285	0.196	0.012	0.78	0.95	0.88	0.69
	Back	0.435	0.509	0.270	0.285	0.273	0.145	0.94	0.99	0.99	0.87
	Left side	0.019	0.097	0.270	0.285	0.054		0.12	0.57	0.36	0.30
	Right side	0.043	0.068	0.270	0.285	0.035	0.039	0.11	0.60	0.36	0.37
	Top side	0.012	0.475	0.270	0.285	0.209	0.002	0.49	0.57	0.51	0.30
	Bottom side	0.938		0.270	0.285			0.94	1.49	1.22	1.22
FR1 n41-HPUE Ant 1	Front	0.335	0.381	0.270	0.285	0.196	0.012	0.72	0.89	0.82	0.63
	Back	0.473	0.509	0.270	0.285	0.273	0.145	0.98	1.03	1.03	0.90
	Left side	0.023	0.097	0.270	0.285	0.054		0.12	0.58	0.36	0.31
	Right side	0.066	0.068	0.270	0.285	0.035	0.039	0.13	0.62	0.39	0.39
	Top side	0.925	0.475	0.270	0.285	0.209	0.002	1.40	1.48	1.42	1.21
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
FR1 n7 Ant 1	Front	0.422	0.381	0.270	0.285	0.196	0.012	0.80	0.98	0.90	0.72
	Back	0.610	0.509	0.270	0.285	0.273	0.145	1.12	1.17	1.17	1.04
	Left side	0.026	0.097	0.270	0.285	0.054		0.12	0.58	0.37	0.31
	Right side	0.076	0.068	0.270	0.285	0.035	0.039	0.14	0.63	0.40	0.40
	Top side	0.942	0.475	0.270	0.285	0.209	0.002	1.42	1.50	1.44	1.23
	Bottom side			0.270	0.285			0.00	0.56	0.29	0.29
FR1 n77 Part 270(HPUE) Ant 2	Front	0.927	0.381	0.270	0.285	0.196	0.012	1.31	1.48	1.41	1.22
	Back	0.927	0.509	0.270	0.285	0.273	0.145	1.44	1.48	1.49	1.36
	Left side	0.927	0.097	0.270	0.285	0.054		1.02	1.48	1.27	1.21
	Right side	0.927	0.068	0.270	0.285	0.035	0.039	1.00	1.48	1.25	1.25

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	Top side	0.927	0.475	0.270	0.285	0.209	0.002	1.40	1.48	1.42	1.21
	Bottom side	0.927		0.270	0.285			0.93	1.48	1.21	1.21
FR1 n77 Part 27Q(HPUE) Ant 2	Front	0.939	0.381	0.270	0.285	0.196	0.012	1.32	1.49	1.42	1.24
	Back	0.939	0.509	0.270	0.285	0.273	0.145	1.45	1.49	1.50	1.37
	Left side	0.939	0.097	0.270	0.285	0.054		1.04	1.49	1.28	1.22
	Right side	0.939	0.068	0.270	0.285	0.035	0.039	1.01	1.49	1.26	1.26
	Top side	0.939	0.475	0.270	0.285	0.209	0.002	1.41	1.49	1.43	1.23
	Bottom side	0.939		0.270	0.285			0.94	1.49	1.22	1.22
FR1 n78 Part 27Q(HPUE) Ant 7	Front	0.989	0.381	0.270	0.285	0.196	0.012	1.37	1.54	1.47	1.29
	Back	0.989	0.509	0.270	0.285	0.273	0.145	1.50	1.54	1.55	1.42
	Left side	0.989	0.097	0.270	0.285	0.054		1.09	1.54	1.33	1.27
	Right side	0.989	0.068	0.270	0.285	0.035	0.039	1.06	1.54	1.31	1.31
	Top side	0.989	0.475	0.270	0.285	0.209	0.002	1.46	1.54	1.48	1.28
	Bottom side	0.989		0.270	0.285			0.99	1.54	1.27	1.27
FR1 n78 Part 27Q(HPUE) Ant 7	Front	0.934	0.381	0.270	0.285	0.196	0.012	1.32	1.49	1.42	1.23
	Back	0.934	0.509	0.270	0.285	0.273	0.145	1.44	1.49	1.49	1.36
	Left side	0.934	0.097	0.270	0.285	0.054		1.03	1.49	1.27	1.22
	Right side	0.934	0.068	0.270	0.285	0.035	0.039	1.00	1.49	1.25	1.26
	Top side	0.934	0.475	0.270	0.285	0.209	0.002	1.41	1.49	1.43	1.22
	Bottom side	0.934		0.270	0.285			0.93	1.49	1.22	1.22



<SRS Mode>

FR1 Band	Exposure Position	1	2	3	4	5	6	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)
		FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN +on DBS 1g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN + DBS 1g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN + on DBS&WWAN + DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)				
FR1 n78 Part 27Q(HPUE) Ant 3	Front	0.127	0.381	0.270	0.285	0.196	0.012	0.51	0.68	0.61	0.42
	Back	0.127	0.509	0.270	0.285	0.273	0.145	0.64	0.68	0.69	0.56
	Left side	0.127	0.097	0.270	0.285	0.054		0.22	0.68	0.47	0.41
	Right side	0.127	0.068	0.270	0.285	0.035	0.039	0.20	0.68	0.45	0.45
	Top side	0.127	0.475	0.270	0.285	0.298	0.002	0.60	0.68	0.71	0.41
	Bottom side	0.127		0.270	0.285			0.13	0.68	0.41	0.41
FR1 n78 Part 27Q(HPUE) Ant 3	Front	0.136	0.381	0.270	0.285	0.196	0.012	0.52	0.69	0.62	0.43
	Back	0.136	0.509	0.270	0.285	0.273	0.145	0.65	0.69	0.69	0.57
	Left side	0.136	0.097	0.270	0.285	0.054		0.23	0.69	0.48	0.42
	Right side	0.136	0.068	0.270	0.285	0.035	0.039	0.20	0.69	0.46	0.46
	Top side	0.136	0.475	0.270	0.285	0.298	0.002	0.61	0.69	0.72	0.42
	Bottom side	0.136		0.270	0.285			0.14	0.69	0.42	0.42
FR1 n78 Part 27Q(HPUE) Ant 8	Front	0.267	0.381	0.270	0.285	0.196	0.012	0.65	0.82	0.75	0.56
	Back	0.267	0.509	0.270	0.285	0.273	0.145	0.78	0.82	0.83	0.70
	Left side	0.267	0.097	0.270	0.285	0.054		0.36	0.82	0.61	0.55
	Right side	0.267	0.068	0.270	0.285	0.035	0.039	0.34	0.82	0.59	0.59
	Top side	0.267	0.475	0.270	0.285	0.298	0.002	0.74	0.82	0.85	0.55
	Bottom side	0.267		0.270	0.285			0.27	0.82	0.55	0.55
FR1 n78 Part 27Q(HPUE) Ant 8	Front	0.289	0.381	0.270	0.285	0.196	0.012	0.67	0.84	0.77	0.59
	Back	0.289	0.509	0.270	0.285	0.273	0.145	0.80	0.84	0.85	0.72
	Left side	0.289	0.097	0.270	0.285	0.054		0.39	0.84	0.63	0.57
	Right side	0.289	0.068	0.270	0.285	0.035	0.039	0.36	0.84	0.61	0.61
	Top side	0.289	0.475	0.270	0.285	0.298	0.002	0.76	0.84	0.87	0.58
	Bottom side	0.289		0.270	0.285			0.29	0.84	0.57	0.57
FR1 n78 Part 27Q Ant 3	Front	0.055	0.381	0.270	0.285	0.196	0.012	0.44	0.61	0.54	0.35
	Back	0.064	0.509	0.270	0.285	0.273	0.145	0.57	0.62	0.62	0.49
	Left side	0.077	0.097	0.270	0.285	0.054		0.17	0.63	0.42	0.36
	Right side	0.003	0.068	0.270	0.285	0.035	0.039	0.07	0.56	0.32	0.33
	Top side	0.003	0.475	0.270	0.285	0.298	0.002	0.48	0.56	0.59	0.29
	Bottom side	0.066		0.270	0.285			0.07	0.62	0.35	0.35
FR1 n78 Part 27Q Ant 3	Front	0.054	0.381	0.270	0.285	0.196	0.012	0.44	0.61	0.54	0.35
	Back	0.092	0.509	0.270	0.285	0.273	0.145	0.60	0.65	0.65	0.52
	Left side	0.110	0.097	0.270	0.285	0.054		0.21	0.67	0.45	0.40
	Right side	0.003	0.068	0.270	0.285	0.035	0.039	0.07	0.56	0.32	0.33
	Top side	0.005	0.475	0.270	0.285	0.298	0.002	0.48	0.56	0.59	0.29
	Bottom side	0.060		0.270	0.285			0.06	0.62	0.35	0.35
FR1 n78 Part 27Q Ant 8	Front	0.068	0.381	0.270	0.285	0.196	0.012	0.45	0.62	0.55	0.37
	Back	0.252	0.509	0.270	0.285	0.273	0.145	0.76	0.81	0.81	0.68
	Left side	0.009	0.097	0.270	0.285	0.054		0.11	0.56	0.35	0.29
	Right side	0.024	0.068	0.270	0.285	0.035	0.039	0.09	0.58	0.34	0.35
	Top side	0.003	0.475	0.270	0.285	0.298	0.002	0.48	0.56	0.59	0.29
	Bottom side	0.073		0.270	0.285			0.07	0.63	0.36	0.36
FR1 n78 Part 27Q Ant 8	Front	0.020	0.381	0.270	0.285	0.196	0.012	0.40	0.58	0.50	0.32
	Back	0.230	0.509	0.270	0.285	0.273	0.145	0.74	0.79	0.79	0.66
	Left side	0.010	0.097	0.270	0.285	0.054		0.11	0.57	0.35	0.30
	Right side	0.014	0.068	0.270	0.285	0.035	0.039	0.08	0.57	0.33	0.34
	Top side	0.002	0.475	0.270	0.285	0.298	0.002	0.48	0.56	0.59	0.29
	Bottom side	0.034		0.270	0.285			0.03	0.59	0.32	0.32



17.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+9 Summed 1g SAR (W/kg)	1+6+7 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+7+9 Summed 10g SAR (W/kg)	1+8+9 Summed 10g SAR (W/kg)
		WWAN Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + non-DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only 1g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN + non-DBS &WWAN + DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WiFi 6E 1g SAR (W/kg)								
GSM850 Ant 0	Front	0.518	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.08	1.07	0.92	1.00	0.82	0.84	0.66
	Back	0.866	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.43	1.42	1.46	1.42	1.29	1.46	1.33
GSM850 Ant 1	Front	0.566	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.13	1.12	0.96	1.04	0.86	0.89	0.71
	Back	0.876	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.44	1.43	1.47	1.43	1.30	1.47	1.34
GSM1900 Ant 0	Front	0.417	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.98	0.97	0.82	0.89	0.72	0.74	0.56
	Back	0.517	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.08	1.07	1.11	1.07	0.94	1.11	0.98
WCDMA II Ant 0	Front	0.503	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.06	1.05	0.90	0.98	0.80	0.83	0.65
	Back	0.584	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.14	1.14	1.18	1.14	1.01	1.18	1.05
WCDMA IV Ant 0	Front	0.507	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.07	1.06	0.91	0.98	0.81	0.83	0.65
	Back	0.556	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.12	1.11	1.15	1.11	0.98	1.15	1.02
WCDMA V Ant 0	Front	0.497	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.06	1.05	0.90	0.97	0.80	0.82	0.64
	Back	0.876	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.44	1.43	1.47	1.43	1.30	1.47	1.34
WCDMA V Ant 1	Front	0.459	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.02	1.01	0.86	0.94	0.76	0.78	0.60
	Back	0.610	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.17	1.16	1.20	1.16	1.04	1.21	1.08
LTE Band 7 Ant 0	Front	0.365	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.92	0.92	0.76	0.84	0.66	0.69	0.51
	Back	0.408	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.97	0.96	1.00	0.96	0.83	1.00	0.88
LTE Band 7 Ant 1	Front	0.381	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.94	0.93	0.78	0.86	0.68	0.71	0.53
	Back	0.546	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.11	1.10	1.14	1.10	0.97	1.14	1.01
LTE Band 12(17) Ant 0	Front	0.505	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.06	1.06	0.90	0.98	0.80	0.83	0.65
	Back	0.898	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.46	1.45	1.49	1.45	1.32	1.49	1.37
LTE Band 12(17) Ant 1	Front	0.376	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.94	0.93	0.77	0.85	0.67	0.70	0.52
	Back	0.532	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.09	1.08	1.12	1.09	0.96	1.13	1.00
LTE Band 13 Ant 0	Front	0.490	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.05	1.04	0.89	0.97	0.79	0.81	0.64
	Back	0.817	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.38	1.37	1.41	1.37	1.24	1.41	1.28
LTE Band 13 Ant 1	Front	0.420	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.98	0.97	0.82	0.90	0.72	0.74	0.57
	Back	0.465	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.02	1.02	1.06	1.02	0.89	1.06	0.93
LTE Band 14 Ant 0	Front	0.422	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.98	0.97	0.82	0.90	0.72	0.75	0.57
	Back	0.548	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.11	1.10	1.14	1.10	0.97	1.14	1.02
LTE Band 14 Ant 1	Front	0.556	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.12	1.11	0.95	1.03	0.85	0.88	0.70
	Back	0.628	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.19	1.18	1.22	1.18	1.05	1.22	1.10
LTE Band 25(2) Ant 0	Front	0.472	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.03	1.02	0.87	0.95	0.77	0.80	0.62
	Back	0.586	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.15	1.14	1.18	1.14	1.01	1.18	1.05
LTE Band 25(2) Ant 1	Front	0.467	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.03	1.02	0.87	0.94	0.77	0.79	0.61
	Back	0.681	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.24	1.23	1.27	1.24	1.11	1.28	1.15
LTE Band 26(5) Ant 0	Front	0.596	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.16	1.15	0.99	1.07	0.89	0.92	0.74
	Back	0.940	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.50	1.49	1.53	1.49	1.37	1.54	1.41
LTE Band 26(5) Ant 1	Front	0.535	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.09	1.09	0.93	1.01	0.83	0.86	0.68
	Back	0.634	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.19	1.19	1.23	1.19	1.06	1.23	1.10
LTE Band 30 Ant 0	Front	0.404	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.96	0.96	0.80	0.88	0.70	0.73	0.55
	Back	0.400	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.96	0.95	0.99	0.95	0.83	1.00	0.87
LTE Band 30 Ant 1	Front	0.455	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.01	1.01	0.85	0.93	0.75	0.78	0.60
	Back	0.571	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.13	1.12	1.16	1.13	1.00	1.17	1.04
LTE Band 66(4) Ant 0	Front	0.466	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.03	1.02	0.86	0.94	0.76	0.79	0.61
	Back	0.547	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.11	1.10	1.14	1.10	0.97	1.14	1.01
LTE Band 66(4) Ant 1	Front	0.688	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.25	1.24	1.09	1.17	0.99	1.01	0.83
	Back	0.740	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.30	1.29	1.33	1.29	1.17	1.34	1.21
LTE Band 41(38) Ant 0	Front	0.274	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.83	0.83	0.67	0.75	0.57	0.60	0.42
	Back	0.331	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.89	0.88	0.92	0.89	0.76	0.93	0.80



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LTE Band 41(38) Ant 1	Front	0.315	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.87	0.87	0.71	0.79	0.61	0.64	0.46
	Back	0.488	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.05	1.04	1.08	1.04	0.91	1.08	0.96
LTE Band 41-HPUE Ant 0	Front	0.381	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.94	0.93	0.78	0.86	0.68	0.71	0.53
	Back	0.347	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.91	0.90	0.94	0.90	0.77	0.94	0.81
LTE Band 41-HPUE Ant 1	Front	0.331	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.89	0.88	0.73	0.81	0.63	0.66	0.48
	Back	0.490	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.05	1.04	1.08	1.04	0.92	1.09	0.96
LTE Band 48 Ant 2	Front	0.072	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.63	0.62	0.47	0.55	0.37	0.40	0.22
	Back	0.903	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.46	1.45	1.50	1.46	1.33	1.50	1.37
LTE Band 71 Ant 0	Front	0.385	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.94	0.94	0.78	0.86	0.68	0.71	0.53
	Back	0.711	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.27	1.26	1.30	1.27	1.14	1.31	1.18
LTE Band 71 Ant 1	Front	0.358	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.92	0.91	0.76	0.84	0.66	0.68	0.50
	Back	0.449	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.01	1.00	1.04	1.00	0.88	1.04	0.92

<Sensor off>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+9 Summed 1g SAR (W/kg)	1+6+7 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+7+9 Summed 10g SAR (W/kg)	1+8+9 Summed 10g SAR (W/kg)
		WWAN	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 WWAN + non-DBS	WLAN 2.4GHz Ant 4+6 WWAN + DBS	WLAN 5GHz Ant 5+6 DBS Only	WLAN 5GHz Ant 5+6 WWAN + non-DBS & WWAN + DBS	Bluetooth Ant 4	Bluetooth Ant 6	WIFI 6E								
GSM850 Ant 0	Front	0.210	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.77	0.76	0.61	0.69	0.51	0.53	0.36
	Back	0.223	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.78	0.77	0.82	0.78	0.65	0.82	0.69
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
GSM850 Ant 1	Front		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
GSM1900 Ant 0	Front	0.275	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.83	0.83	0.67	0.75	0.57	0.60	0.42
	Back	0.260	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.82	0.81	0.85	0.81	0.69	0.86	0.73
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.621	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.18	1.17	1.21	1.18	1.05	1.22	1.09
WCDMA II Ant 0	Front	0.658	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.22	1.21	1.06	1.14	0.96	0.98	0.80
	Back	0.586	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.15	1.14	1.18	1.14	1.01	1.18	1.05
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.637	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.20	1.19	1.23	1.19	1.06	1.23	1.10
WCDMA IV Ant 0	Front	0.674	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.23	1.23	1.07	1.15	0.97	1.00	0.82
	Back	0.594	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.15	1.15	1.19	1.15	1.02	1.19	1.06
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.664	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.22	1.22	1.26	1.22	1.09	1.26	1.13
WCDMA V Ant 0	Front	0.184	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.74	0.74	0.58	0.66	0.48	0.51	0.33
	Back	0.195	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.75	0.75	0.79	0.75	0.62	0.79	0.66
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.910	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.47	1.46	1.50	1.46	1.34	1.51	1.38
WCDMA V Ant 1	Front		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
LTE Band 7 Ant 0	Front	0.580	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.14	1.13	0.98	1.06	0.88	0.90	0.73
	Back	0.598	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.16	1.15	1.19	1.15	1.02	1.19	1.07
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.710	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.27	1.26	1.30	1.26	1.14	1.31	1.18
LTE Band 7 Ant 1	Front	0.352	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.91	0.90	0.75	0.83	0.65	0.68	0.50
	Back	0.507	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.07	1.06	1.10	1.06	0.93	1.10	0.97
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15

Sporton International (Kunshan) Inc.

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : IHD756AB2

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	Back with Headset	0.927	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.49	1.48	1.52	1.48	1.35	1.52	1.39
LTE Band 25(2) Ant 0	Front	0.578	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.14	1.13	0.98	1.06	0.88	0.90	0.72
	Back	0.564	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.12	1.12	1.16	1.12	0.99	1.16	1.03
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.588	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.15	1.14	1.18	1.14	1.01	1.18	1.06
LTE Band 25(2) Ant 1	Front	0.274	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.83	0.83	0.67	0.75	0.57	0.60	0.42
	Back	0.243	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.80	0.79	0.84	0.80	0.67	0.84	0.71
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.820	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.38	1.37	1.41	1.37	1.25	1.42	1.29
LTE Band 26(5) Ant 0	Front	0.158	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.72	0.71	0.56	0.64	0.46	0.48	0.30
	Back	0.308	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.87	0.86	0.90	0.86	0.73	0.90	0.78
LTE Band 66(4) Ant 0	Front	0.564	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.12	1.12	0.96	1.04	0.86	0.89	0.71
	Back	0.505	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.06	1.06	1.10	1.06	0.93	1.10	0.97
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.696	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.26	1.25	1.29	1.25	1.12	1.29	1.16
LTE Band 66(4) Ant 1	Front	0.494	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	1.05	1.05	0.89	0.97	0.79	0.82	0.64
	Back	0.511	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.07	1.06	1.10	1.07	0.94	1.11	0.98
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.967	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.53	1.52	1.56	1.52	1.39	1.56	1.43
LTE Band 41(38) Ant 0	Front	0.326	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.89	0.88	0.72	0.80	0.62	0.65	0.47
	Back	0.327	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.89	0.88	0.92	0.88	0.75	0.92	0.79
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
LTE Band 41(38) Ant 1	Front	0.261	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.82	0.81	0.66	0.74	0.56	0.59	0.41
	Back	0.339	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.90	0.89	0.93	0.89	0.77	0.93	0.81
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.982	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.54	1.53	1.57	1.54	1.41	1.58	1.45
LTE Band 41-HPUE Ant 0	Front	0.388	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.95	0.94	0.79	0.87	0.69	0.71	0.53
	Back	0.392	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.95	0.94	0.98	0.95	0.82	0.99	0.86
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
LTE Band 41-HPUE Ant 1	Front	0.236	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.80	0.79	0.63	0.71	0.53	0.56	0.38
	Back	0.300	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.86	0.85	0.89	0.85	0.73	0.90	0.77
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
LTE Band 48 Ant 2	Front	0.107	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.67	0.66	0.51	0.58	0.41	0.43	0.25
	Back	0.600	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.16	1.15	1.19	1.15	1.03	1.20	1.07
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.967	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	1.53	1.52	1.56	1.52	1.39	1.56	1.43
LTE Band 30 Ant 0	Front	0.428	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.271	0.99	0.98	0.83	0.91	0.73	0.75	0.57
	Back	0.536	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.461	1.10	1.09	1.13	1.09	0.96	1.13	1.00
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.271	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.400	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.461	0.96	0.95	0.99	0.95	0.83	1.00	0.87
LTE Band 30 Ant 1	Front	0.907	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.271	1.47	1.46	1.31	1.38	1.21	1.23	1.05
	Back	0.780	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.461	1.34	1.33	1.37	1.33	1.21	1.38	1.25
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.271	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.571	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.461	1.13	1.12	1.16	1.13	1.00	1.17	1.04



<5GNR Mode>

FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	9	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+9 Summed 1g SAR (W/kg)	1+6+7 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+7+9 Summed 10g SAR (W/kg)	1+8+9 Summed 10g SAR (W/kg)
		FR1 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + ON DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 WWAN + ON DBS&WWAN + DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WIFI 6E 1g SAR (W/kg)								
FR1 n77 Part 27O Ant 2	Front	0.107	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.895	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n77 Part 27Q Ant 2	Front	0.061	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.937	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n78 Part 27O Ant 7	Front	0.050	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.985	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n78 Part 27Q Ant 7	Front	0.053	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.932	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n12 Ant 0	Front	0.392	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.707	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n71 Ant 0	Front	0.346	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.671	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n71 Ant 1	Front	0.210	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.310	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n26(5) Ant 0	Front	0.607	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.995	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n5 Ant 1	Front	0.406	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.466	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n66 Ant 0	Front	0.520	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.596	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n66 Ant 1	Front	0.559	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.716	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n25(2) Ant 0	Front	0.480	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.574	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n25(2) Ant 1	Front	0.445	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.580	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n30 Ant 1	Front	0.456	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.683	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n41-HPUE Ant 0	Front	0.397	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.435	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n41-HPUE Ant 1	Front	0.335	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.473	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n7 Ant 1	Front	0.422	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.610	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n77 Part 27O(HPUE) Ant 2	Front	0.927	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.927	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n77 Part 27Q(HPUE) Ant 2	Front	0.939	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.939	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n78 Part 27O HPUE Ant 7	Front	0.989	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.989	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n78 Part 27Q HPUE Ant 7	Front	0.934	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.934	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47



<Sensor off>

FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	9	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+9 Summed 1g SAR (W/kg)	1+6+7 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+7+9 Summed 10g SAR (W/kg)	1+8+9 Summed 10g SAR (W/kg)
		FR1 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + ON DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 WWAN + ON DBS&WWAN + DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WIFI 6E 1g SAR (W/kg)								
FR1 n66 Ant 0	Front	0.376	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.323	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.655	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n66 Ant 1	Front	0.259	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.307	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	1.063	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n25(2) Ant 0	Front	0.415	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.404	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.642	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n25(2) Ant 1	Front	0.245	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.219	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.983	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n30 Ant 1	Front	0.291	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.289	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.971	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n41-HPUE Ant 0	Front	0.235	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.253	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.737	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n41-HPUE Ant 1	Front	0.262	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.313	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	0.942	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n7 Ant 1	Front	0.218	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.258	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	1.113	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n77 Part 27O(HPUE) Ant 2	Front	0.078	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.572	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n77 Part 27Q(HPUE) Ant 2	Front	0.108	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.583	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	1.161	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n78 Part 27O(HPUE) Ant 7	Front	0.076	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.523	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset		0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
FR1 n78 Part 27Q(HPUE) Ant 7	Front	0.067	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back	0.461	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47
	Front with Headset		0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.56	0.55	0.40	0.48	0.30	0.32	0.15
	Back with Headset	1.058	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.56	0.55	0.59	0.55	0.43	0.60	0.47



<SRS Mode>

FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	9	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+9 Summed 1g SAR (W/kg)	1+6+7 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+7+9 Summed 10g SAR (W/kg)	1+8+9 Summed 10g SAR (W/kg)
		FR1 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + on DBS 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN + DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only 1g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN + on DBS&WWAN + DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WIFI 6E 1g SAR (W/kg)								
FR1 n78 Part 270(HPUE) Ant 3	Front	0.067	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.63	0.62	0.47	0.54	0.37	0.39	0.21
	Back	0.067	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.63	0.62	0.66	0.62	0.49	0.66	0.53
FR1 n78 Part 270(HPUE) Ant 3	Front	0.107	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.67	0.66	0.51	0.58	0.41	0.43	0.25
	Back	0.107	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.67	0.66	0.70	0.66	0.53	0.70	0.57
FR1 n78 Part 270(HPUE) Ant 8	Front	0.291	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.85	0.84	0.69	0.77	0.59	0.62	0.44
	Back	0.291	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.85	0.84	0.88	0.85	0.72	0.89	0.76
FR1 n78 Part 270(HPUE) Ant 8	Front	0.313	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.87	0.86	0.71	0.79	0.61	0.64	0.46
	Back	0.313	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.87	0.86	0.91	0.87	0.74	0.91	0.78
FR1 n78 Part 270 Ant 3	Front	0.039	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.60	0.59	0.44	0.52	0.34	0.36	0.18
	Back	0.046	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.61	0.60	0.64	0.60	0.47	0.64	0.51
FR1 n78 Part 270 Ant 3	Front	0.069	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.63	0.62	0.47	0.55	0.37	0.39	0.21
	Back	0.101	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.66	0.65	0.69	0.66	0.53	0.70	0.57
FR1 n78 Part 270 Ant 8	Front	0.076	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.64	0.63	0.47	0.55	0.37	0.40	0.22
	Back	0.281	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.84	0.83	0.87	0.84	0.71	0.88	0.75
FR1 n78 Part 270 Ant 8	Front	0.025	0.535	0.559	0.270	0.736	0.281	0.196	0.017	0.128	1.27	0.58	0.58	0.42	0.50	0.32	0.35	0.17
	Back	0.291	0.725	0.559	0.270	0.736	0.281	0.273	0.145	0.322	1.46	0.85	0.84	0.88	0.85	0.72	0.89	0.76



17.5 Product specific 10g SAR Exposure Conditions

Remark:

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

WWAN Band	Exposure Position	1	2	3	4	1+3 Summed 10g SAR (W/kg)	1+4 Summed 10g SAR (W/kg)
		WWAN	WLAN5GHz Ant 5+6 DBS Only	WLAN5GHz Ant 5+6 WWAN + NO DBS&WWAN + DBS	WIFI 6E		
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
GSM850 Ant 0	Front		1.759	0.733	0.207	0.73	0.21
	Back	1.889	1.759	0.733	0.383	2.62	2.27
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00
GSM1900 Ant 0	Front	2.039	1.759	0.733	0.207	2.77	2.25
	Back	2.039	1.759	0.733	0.383	2.77	2.42
	Left side	2.039	1.759	0.733	0.101	2.77	2.14
	Right side	2.039	1.759	0.733	0.097	2.77	2.14
	Top side	2.039	1.759	0.733	0.380	2.77	2.42
	Bottom side	2.039	1.759	0.733		2.77	2.04
WCDMA II Ant 0	Front	2.207	1.759	0.733	0.207	2.94	2.41
	Back	2.207	1.759	0.733	0.383	2.94	2.59
	Left side	2.207	1.759	0.733	0.101	2.94	2.31
	Right side	2.207	1.759	0.733	0.097	2.94	2.30
	Top side	2.207	1.759	0.733	0.380	2.94	2.59
	Bottom side	2.207	1.759	0.733		2.94	2.21
WCDMA IV Ant 0	Front	2.243	1.759	0.733	0.207	2.98	2.45
	Back	2.243	1.759	0.733	0.383	2.98	2.63
	Left side	2.243	1.759	0.733	0.101	2.98	2.34
	Right side	2.243	1.759	0.733	0.097	2.98	2.34
	Top side	2.243	1.759	0.733	0.380	2.98	2.62
	Bottom side	2.243	1.759	0.733		2.98	2.24
WCDMA V Ant 0	Front		1.759	0.733	0.207	0.73	0.21
	Back	1.332	1.759	0.733	0.383	2.07	1.72
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00
WCDMA V Ant 1	Front		1.759	0.733	0.207	0.73	0.21
	Back		1.759	0.733	0.383	0.73	0.38
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side	2.226	1.759	0.733	0.380	2.96	2.61
	Bottom side		1.759	0.733		0.73	0.00
LTE Band 7 Ant 0	Front	2.236	1.759	0.733	0.207	2.97	2.44
	Back	2.236	1.759	0.733	0.383	2.97	2.62
	Left side	2.236	1.759	0.733	0.101	2.97	2.34
	Right side	2.236	1.759	0.733	0.097	2.97	2.33
	Top side	2.236	1.759	0.733	0.380	2.97	2.62
	Bottom side	2.236	1.759	0.733		2.97	2.24
LTE Band 7 Ant 1	Front	2.215	1.759	0.733	0.207	2.95	2.42
	Back	2.215	1.759	0.733	0.383	2.95	2.60
	Left side	2.215	1.759	0.733	0.101	2.95	2.32
	Right side	2.215	1.759	0.733	0.097	2.95	2.31
	Top side	2.215	1.759	0.733	0.380	2.95	2.60
	Bottom side	2.215	1.759	0.733		2.95	2.22
LTE Band 12(17) Ant 0	Front		1.759	0.733	0.207	0.73	0.21
	Back		1.759	0.733	0.383	0.73	0.38



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	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00
LTE Band 12(17) Ant 1	Front		1.759	0.733	0.207	0.73	0.21
	Back		1.759	0.733	0.383	0.73	0.38
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00
LTE Band 13 Ant 0	Front		1.759	0.733	0.207	0.73	0.21
	Back		1.759	0.733	0.383	0.73	0.38
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00
LTE Band 13 Ant 1	Front		1.759	0.733	0.207	0.73	0.21
	Back		1.759	0.733	0.383	0.73	0.38
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00
LTE Band 14 Ant 0	Front		1.759	0.733	0.207	0.73	0.21
	Back		1.759	0.733	0.383	0.73	0.38
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00
LTE Band 14 Ant 1	Front		1.759	0.733	0.207	0.73	0.21
	Back		1.759	0.733	0.383	0.73	0.38
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00
LTE Band 25(2) Ant 0	Front	2.248	1.759	0.733	0.207	2.98	2.46
	Back	2.248	1.759	0.733	0.383	2.98	2.63
	Left side	2.248	1.759	0.733	0.101	2.98	2.35
	Right side	2.248	1.759	0.733	0.097	2.98	2.35
	Top side	2.248	1.759	0.733	0.380	2.98	2.63
	Bottom side	2.248	1.759	0.733		2.98	2.25
LTE Band 25(2) Ant 1	Front	2.231	1.759	0.733	0.207	2.96	2.44
	Back	2.231	1.759	0.733	0.383	2.96	2.61
	Left side	2.231	1.759	0.733	0.101	2.96	2.33
	Right side	2.231	1.759	0.733	0.097	2.96	2.33
	Top side	2.231	1.759	0.733	0.380	2.96	2.61
	Bottom side	2.231	1.759	0.733		2.96	2.23
LTE Band 26(5) Ant 0	Front		1.759	0.733	0.207	0.73	0.21
	Back	1.161	1.759	0.733	0.383	1.89	1.54
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00
LTE Band 26(5) Ant 1	Front		1.759	0.733	0.207	0.73	0.21
	Back		1.759	0.733	0.383	0.73	0.38
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side		1.759	0.733		0.73	0.00

Sporton International (Kunshan) Inc.

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : IHD56AB2

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LTE Band 30 Ant 0	Front	2.233	1.759	0.733	0.207	2.97	2.44
	Back	2.233	1.759	0.733	0.383	2.97	2.62
	Left side	2.233	1.759	0.733	0.101	2.97	2.33
	Right side	2.233	1.759	0.733	0.097	2.97	2.33
	Top side	2.233	1.759	0.733	0.380	2.97	2.61
	Bottom side	2.233	1.759	0.733		2.97	2.23
LTE Band 30 Ant 1	Front	2.241	1.759	0.733	0.207	2.97	2.45
	Back	2.241	1.759	0.733	0.383	2.97	2.62
	Left side	2.241	1.759	0.733	0.101	2.97	2.34
	Right side	2.241	1.759	0.733	0.097	2.97	2.34
	Top side	2.241	1.759	0.733	0.380	2.97	2.62
	Bottom side	2.241	1.759	0.733		2.97	2.24
LTE Band 66(4) Ant 0	Front	2.208	1.759	0.733	0.207	2.94	2.42
	Back	2.208	1.759	0.733	0.383	2.94	2.59
	Left side	2.208	1.759	0.733	0.101	2.94	2.31
	Right side	2.208	1.759	0.733	0.097	2.94	2.31
	Top side	2.208	1.759	0.733	0.380	2.94	2.59
	Bottom side	2.208	1.759	0.733		2.94	2.21
LTE Band 66(4) Ant 1	Front	2.232	1.759	0.733	0.207	2.97	2.44
	Back	2.232	1.759	0.733	0.383	2.97	2.62
	Left side	2.232	1.759	0.733	0.101	2.97	2.33
	Right side	2.232	1.759	0.733	0.097	2.97	2.33
	Top side	2.232	1.759	0.733	0.380	2.97	2.61
	Bottom side	2.232	1.759	0.733		2.97	2.23
LTE Band 41(38) Ant 0	Front	1.178	1.759	0.733	0.207	1.91	1.39
	Back	2.067	1.759	0.733	0.383	2.80	2.45
	Left side		1.759	0.733	0.101	0.73	0.10
	Right side		1.759	0.733	0.097	0.73	0.10
	Top side		1.759	0.733	0.380	0.73	0.38
	Bottom side	1.558	1.759	0.733		2.29	1.56
LTE Band 41(38) Ant 1	Front	2.342	1.759	0.733	0.207	3.08	2.55
	Back	2.342	1.759	0.733	0.383	3.08	2.73
	Left side	2.342	1.759	0.733	0.101	3.08	2.44
	Right side	2.342	1.759	0.733	0.097	3.08	2.44
	Top side	2.342	1.759	0.733	0.380	3.08	2.72
	Bottom side	2.342	1.759	0.733		3.08	2.34
LTE Band 41-HPUE Ant 0	Front	2.578	1.759	0.733	0.207	3.31	2.79
	Back	2.578	1.759	0.733	0.383	3.31	2.96
	Left side	2.578	1.759	0.733	0.101	3.31	2.68
	Right side	2.578	1.759	0.733	0.097	3.31	2.68
	Top side	2.578	1.759	0.733	0.380	3.31	2.96
	Bottom side	2.578	1.759	0.733		3.31	2.58
LTE Band 41-HPUE Ant 1	Front	2.418	1.759	0.733	0.207	3.15	2.63
	Back	2.418	1.759	0.733	0.383	3.15	2.80
	Left side	2.418	1.759	0.733	0.101	3.15	2.52
	Right side	2.418	1.759	0.733	0.097	3.15	2.52
	Top side	2.418	1.759	0.733	0.380	3.15	2.80
	Bottom side	2.418	1.759	0.733		3.15	2.42
LTE Band 48 Ant 2	Front	2.234	1.759	0.733	0.207	2.97	2.44
	Back	2.234	1.759	0.733	0.383	2.97	2.62
	Left side	2.234	1.759	0.733	0.101	2.97	2.34
	Right side	2.234	1.759	0.733	0.097	2.97	2.33
	Top side	2.234	1.759	0.733	0.380	2.97	2.61
	Bottom side	2.234	1.759	0.733		2.97	2.23



<5GNR Mode>

FR1 Band	Exposure Position	1	2	3	4	1+3 Summed 10g SAR (W/kg)	1+4 Summed 10g SAR (W/kg)
		FR1	WLAN5GHz Ant 5+6 DBS Only	WLAN5GHz Ant 5+6 WWAN + ON DBS&WWAN + DBS	WIFI 6E		
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
FR1 n77 Part 27O Ant 2	Front	2.307	1.759	0.733	0.207	3.04	2.51
	Back	2.307	1.759	0.733	0.383	3.04	2.69
	Left side	2.307	1.759	0.733	0.101	3.04	2.41
	Right side	2.307	1.759	0.733	0.097	3.04	2.40
	Top side	2.307	1.759	0.733	0.380	3.04	2.69
	Bottom side	2.307	1.759	0.733		3.04	2.31
FR1 n77 Part 27Q Ant 2	Front	2.279	1.759	0.733	0.207	3.01	2.49
	Back	2.279	1.759	0.733	0.383	3.01	2.66
	Left side	2.279	1.759	0.733	0.101	3.01	2.38
	Right side	2.279	1.759	0.733	0.097	3.01	2.38
	Top side	2.279	1.759	0.733	0.380	3.01	2.66
	Bottom side	2.279	1.759	0.733		3.01	2.28
FR1 n78 Part 27O Ant 7	Front	2.476	1.759	0.733	0.207	3.21	2.68
	Back	2.476	1.759	0.733	0.383	3.21	2.86
	Left side	2.476	1.759	0.733	0.101	3.21	2.58
	Right side	2.476	1.759	0.733	0.097	3.21	2.57
	Top side	2.476	1.759	0.733	0.380	3.21	2.86
	Bottom side	2.476	1.759	0.733		3.21	2.48
FR1 n78 Part 27Q Ant 7	Front	2.724	1.759	0.733	0.207	3.46	2.93
	Back	2.724	1.759	0.733	0.383	3.46	3.11
	Left side	2.724	1.759	0.733	0.101	3.46	2.83
	Right side	2.724	1.759	0.733	0.097	3.46	2.82
	Top side	2.724	1.759	0.733	0.380	3.46	3.10
	Bottom side	2.724	1.759	0.733		3.46	2.72
FR1 n66 Ant 0	Front	2.228	1.759	0.733	0.207	2.96	2.44
	Back	2.228	1.759	0.733	0.383	2.96	2.61
	Bottom side	2.228	1.759	0.733		2.96	2.23
FR1 n66 Ant 1	Front	2.140	1.759	0.733	0.207	2.87	2.35
	Back	2.140	1.759	0.733	0.383	2.87	2.52
	Top side	2.140	1.759	0.733	0.380	2.87	2.52
FR1 n25(2) Ant 0	Front	2.298	1.759	0.733	0.207	3.03	2.51
	Back	2.298	1.759	0.733	0.383	3.03	2.68
	Left side	2.298	1.759	0.733	0.101	3.03	2.40
	Right side	2.298	1.759	0.733	0.097	3.03	2.40
	Top side	2.298	1.759	0.733	0.380	3.03	2.68
	Bottom side	2.298	1.759	0.733		3.03	2.30
FR1 n25(2) Ant 1	Front	2.255	1.759	0.733	0.207	2.99	2.46
	Back	2.255	1.759	0.733	0.383	2.99	2.64
	Left side	2.255	1.759	0.733	0.101	2.99	2.36
	Right side	2.255	1.759	0.733	0.097	2.99	2.35
	Top side	2.255	1.759	0.733	0.380	2.99	2.64
	Bottom side	2.255	1.759	0.733		2.99	2.26
FR1 n30 Ant 1	Front	2.265	1.759	0.733	0.207	3.00	2.47
	Back	2.265	1.759	0.733	0.383	3.00	2.65
	Left side	2.265	1.759	0.733	0.101	3.00	2.37
	Right side	2.265	1.759	0.733	0.097	3.00	2.36
	Top side	2.265	1.759	0.733	0.380	3.00	2.65
	Bottom side	2.265	1.759	0.733		3.00	2.27
FR1 n41-HPUE Ant 0	Front	2.197	1.759	0.733	0.207	2.93	2.40
	Back	2.197	1.759	0.733	0.383	2.93	2.58



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	Left side	2.197	1.759	0.733	0.101	2.93	2.30
	Right side	2.197	1.759	0.733	0.097	2.93	2.29
	Top side	2.197	1.759	0.733	0.380	2.93	2.58
	Bottom side	2.197	1.759	0.733		2.93	2.20
FR1 n41-HPUE Ant 1	Front	2.246	1.759	0.733	0.207	2.98	2.45
	Back	2.246	1.759	0.733	0.383	2.98	2.63
	Left side	2.246	1.759	0.733	0.101	2.98	2.35
	Right side	2.246	1.759	0.733	0.097	2.98	2.34
	Top side	2.246	1.759	0.733	0.380	2.98	2.63
	Bottom side	2.246	1.759	0.733		2.98	2.25
FR1 n7 Ant 1	Front	2.236	1.759	0.733	0.207	2.97	2.44
	Back	2.236	1.759	0.733	0.383	2.97	2.62
	Left side	2.236	1.759	0.733	0.101	2.97	2.34
	Right side	2.236	1.759	0.733	0.097	2.97	2.33
	Top side	2.236	1.759	0.733	0.380	2.97	2.62
	Bottom side	2.236	1.759	0.733		2.97	2.24
FR1 n77 Part 270(HPUE) Ant 2	Front	2.370	1.759	0.733	0.207	3.10	2.58
	Back	2.370	1.759	0.733	0.383	3.10	2.75
	Left side	2.370	1.759	0.733	0.101	3.10	2.47
	Right side	2.370	1.759	0.733	0.097	3.10	2.47
	Top side	2.370	1.759	0.733	0.380	3.10	2.75
	Bottom side	2.370	1.759	0.733		3.10	2.37
FR1 n77 Part 27Q(HPUE) Ant 2	Front	2.223	1.759	0.733	0.207	2.96	2.43
	Back	2.223	1.759	0.733	0.383	2.96	2.61
	Left side	2.223	1.759	0.733	0.101	2.96	2.32
	Right side	2.223	1.759	0.733	0.097	2.96	2.32
	Top side	2.223	1.759	0.733	0.380	2.96	2.60
	Bottom side	2.223	1.759	0.733		2.96	2.22
FR1 n78 Part 270(HPUE) Ant 7	Front	2.704	1.759	0.733	0.207	3.44	2.91
	Back	2.704	1.759	0.733	0.383	3.44	3.09
	Left side	2.704	1.759	0.733	0.101	3.44	2.81
	Right side	2.704	1.759	0.733	0.097	3.44	2.80
	Top side	2.704	1.759	0.733	0.380	3.44	3.08
	Bottom side	2.704	1.759	0.733		3.44	2.70
FR1 n78 Part 27Q(HPUE) Ant 7	Front	2.793	1.759	0.733	0.207	3.53	3.00
	Back	2.793	1.759	0.733	0.383	3.53	3.18
	Left side	2.793	1.759	0.733	0.101	3.53	2.89
	Right side	2.793	1.759	0.733	0.097	3.53	2.89
	Top side	2.793	1.759	0.733	0.380	3.53	3.17
	Bottom side	2.793	1.759	0.733		3.53	2.79

18. Supplemental tuner tests results

General Note:

1. This device impedance tuner (166 status) antenna tuning techniques in the WCDMA II/IV/V, LTE Band 2/4/5/7/12/13/14/17/25/26/30/38/41/66/71, 5GNR n2/n5/n12/n25/n41/n66/n71 for ANT0.
2. This device impedance tuner (187 status) antenna tuning techniques in the WCDMA V, LTE Band 2/4/5/7/12/13/14/17/ 25/26/30/38/41/66/71, 5GNR n2/n5/n7/n25/n30/n41/n66/n71 for ANT1.
3. LTE B2 / B4 / B5 / B17 / B38/ 5GNR n2 SAR test was covered by LTE B25 / B66 / B26 / B12 / B41/ 5GNR n25; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
4. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching.
5. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
6. To evaluate all of the tuner states, the 166 tuner states for ANT0 and the 187 tuner states for ANT1 are 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.
7. According to TCBC 201904 workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
8. 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).

18.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix F.

Test Engineer : Bruce Li, Martin Li, Ricky Gu

19. Uncertainty Assessment

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

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

-----THE END-----



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_Head_750MHz

DUT: D750V3 - SN:1087

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL_750 Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.916 \text{ S/m}$; $\epsilon_r = 43.405$; $\rho = 1000 \text{ kg/m}^3$

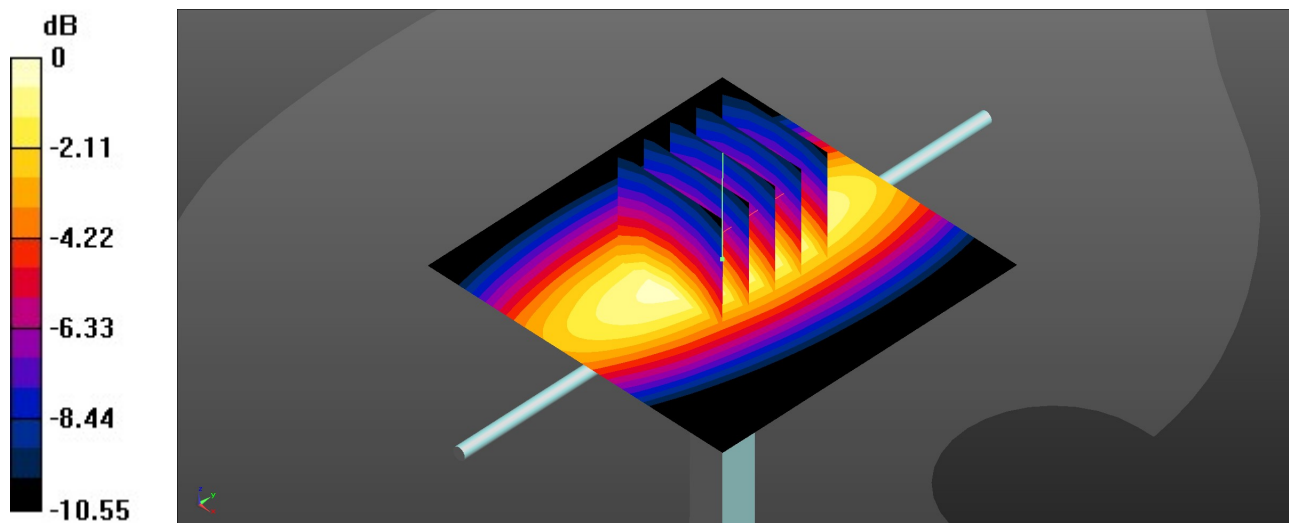
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(10.38, 10.38, 10.38); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.557 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 25.60 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.631 W/kg
SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.271 W/kg
Maximum value of SAR (measured) = 0.559 W/kg



0 dB = 0.559 W/kg = -2.53 dBW/kg

System Check_Head_835MHz**DUT: D835V2 - SN:4d258**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835 Medium parameters used: $f = 835$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 40.91$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(10.24, 10.24, 10.24); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.677 W/kg

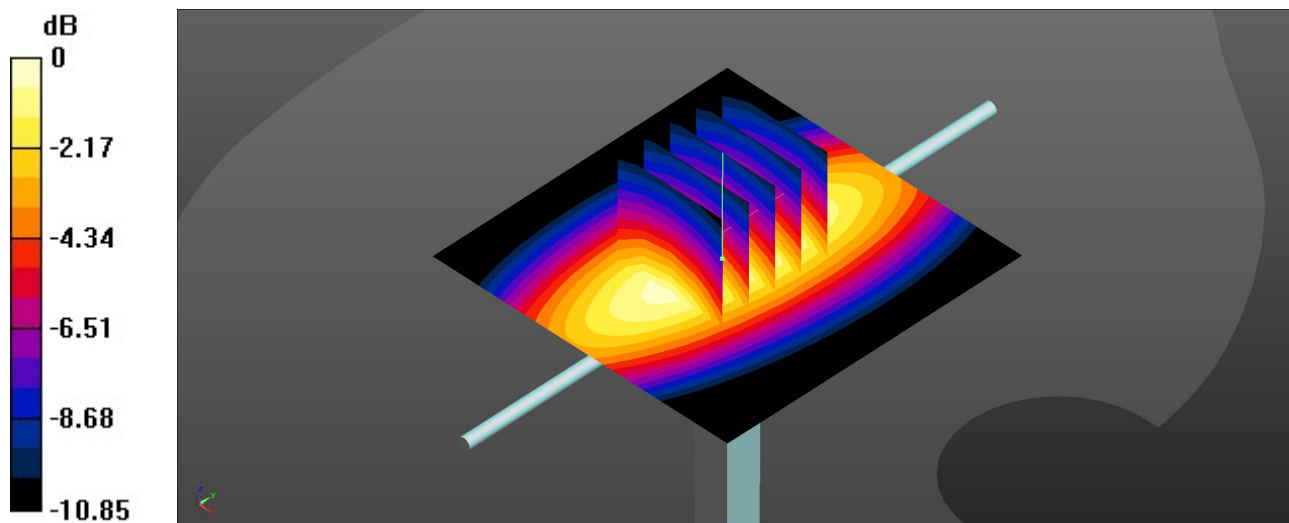
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.84 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.769 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.327 W/kg

Maximum value of SAR (measured) = 0.678 W/kg



0 dB = 0.678 W/kg = -1.69 dBW/kg

System Check_Head_1750MHz**DUT: D1750V2 - SN:1090**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 40.508$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(8.86, 8.86, 8.86); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.93 W/kg

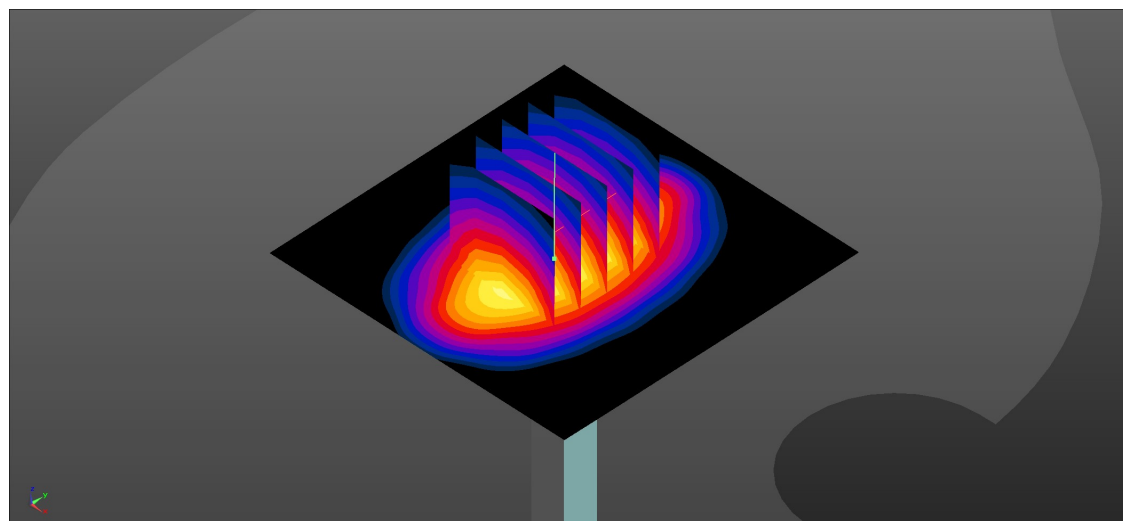
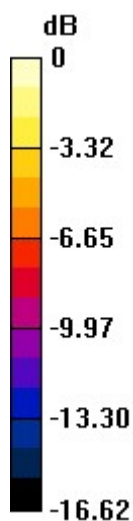
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.23 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.45 W/kg

SAR(1 g) = 1.91 W/kg; SAR(10 g) = 1.02 W/kg

Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

System Check_Head_1900MHz**DUT: D1900V2 - SN:5d170**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.427$ S/m; $\epsilon_r = 38.737$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(8.56, 8.56, 8.56); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.07 W/kg

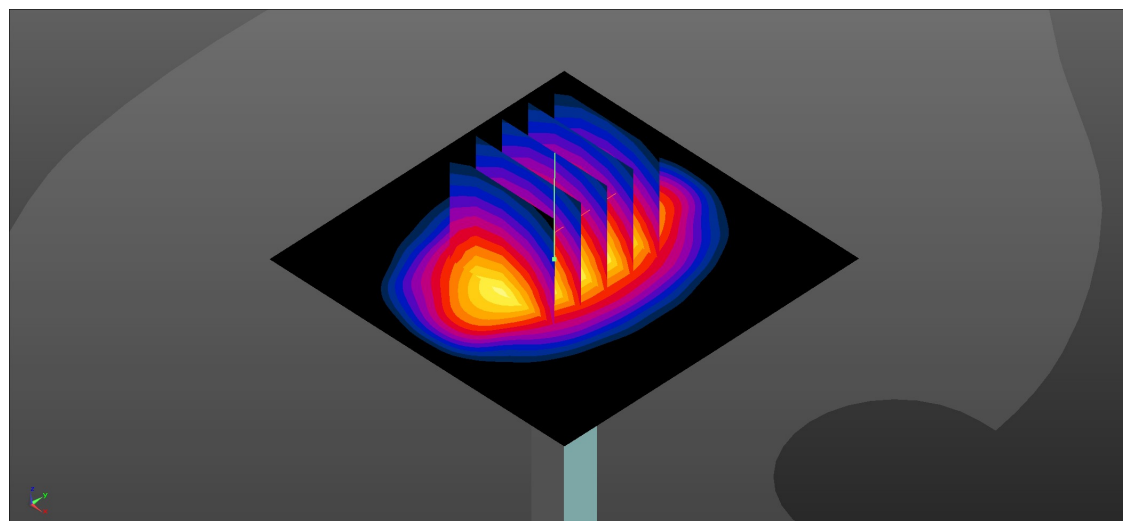
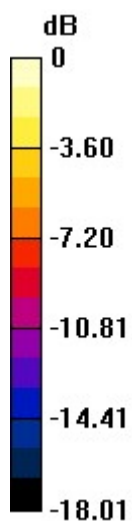
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.92 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.72 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.02 W/kg

Maximum value of SAR (measured) = 3.11 W/kg



0 dB = 3.11 W/kg = 4.93 dBW/kg

System Check_Head_2300MHz**DUT: D2300V2 - SN:1055**

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: HSL_2300 Medium parameters used: $f = 2300$ MHz; $\sigma = 1.716$ S/m; $\epsilon_r = 38.773$; $\rho = 1000$ kg/m³

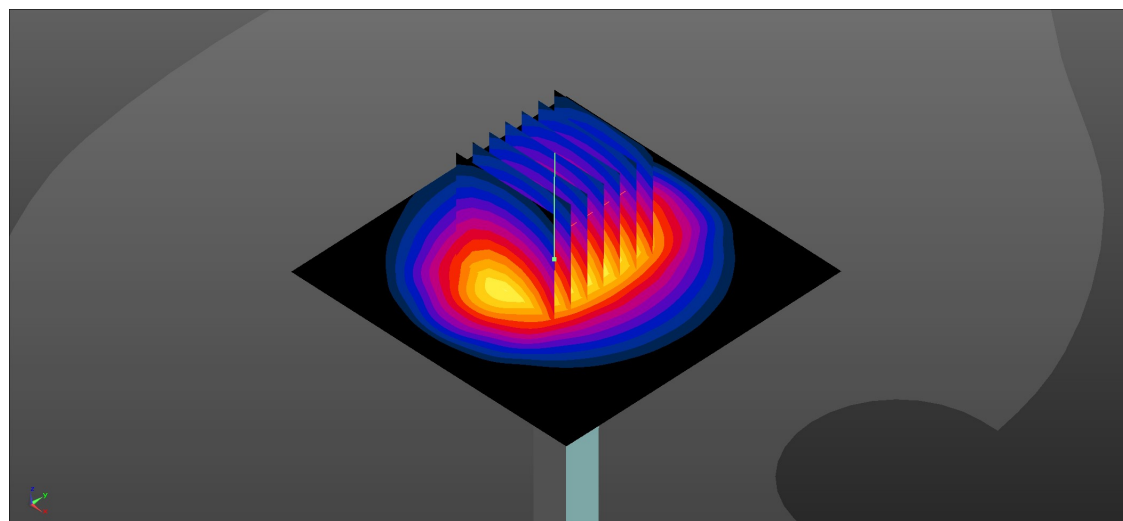
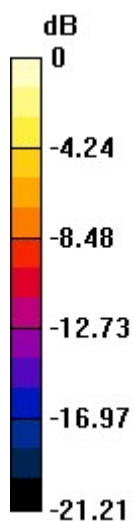
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(8.44, 8.44, 8.44); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 3.89 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.01 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 4.79 W/kg
SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.09 W/kg
Maximum value of SAR (measured) = 3.85 W/kg



0 dB = 3.85 W/kg = 5.85 dBW/kg

System Check_Head_2450MHz**DUT: D2450V2 - SN:908**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL_2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.806$ S/m; $\epsilon_r = 38.608$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(8.14, 8.14, 8.14); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 3.98 W/kg

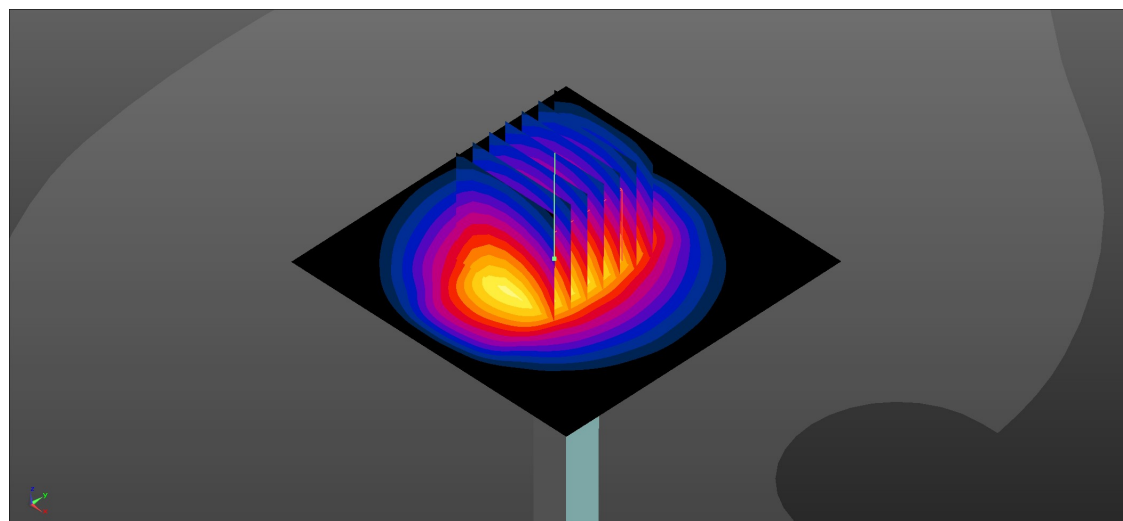
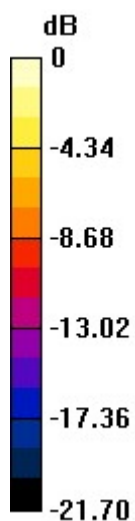
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.10 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 5.00 W/kg

SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.12 W/kg

Maximum value of SAR (measured) = 4.02 W/kg



0 dB = 4.02 W/kg = 6.04 dBW/kg

System Check_Head_2600MHz**DUT: D2600V2 - SN:1061**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL_2600 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.923$ S/m; $\epsilon_r = 38.311$; $\rho = 1000$ kg/m³

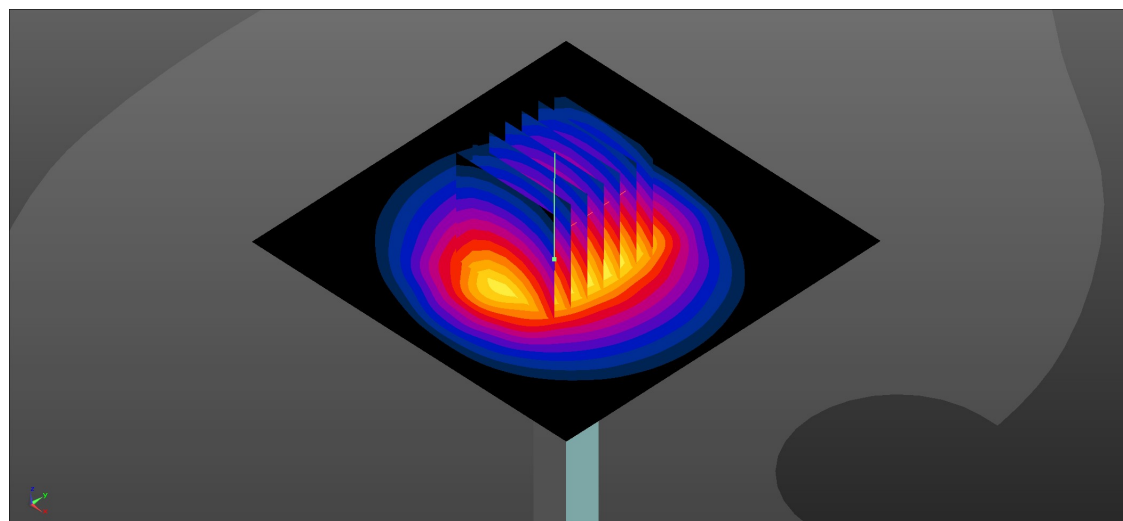
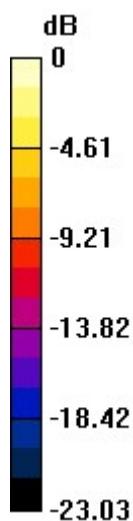
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(7.85, 7.85, 7.85); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.34 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.66 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 5.49 W/kg
SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 4.39 W/kg



0 dB = 4.39 W/kg = 6.42 dBW/kg

System Check_Head_3500MHz**DUT: D3500V2 - SN:1037**

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL_3500 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.809$ S/m; $\epsilon_r = 39.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(7.19, 7.19, 7.19); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.07 W/kg

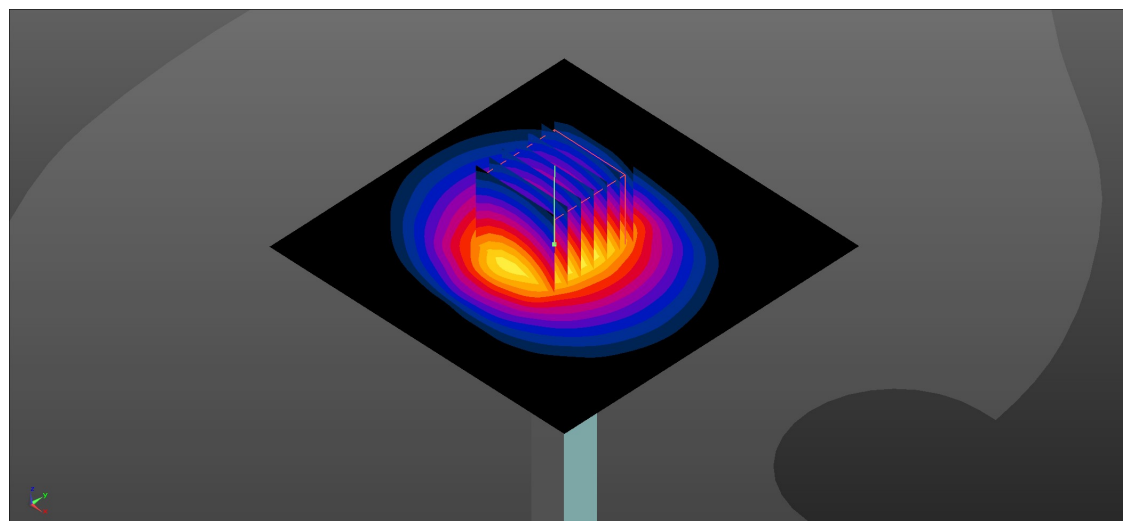
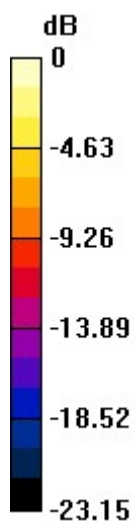
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.66 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 7.25 W/kg

SAR(1 g) = 3.21 W/kg; SAR(10 g) = 1.21 W/kg

Maximum value of SAR (measured) = 5.62 W/kg



0 dB = 5.62 W/kg = 7.50 dBW/kg

System Check_Head_3700MHz**DUT: D3700V2 - SN:1008**

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL_3700 Medium parameters used: $f = 3700$ MHz; $\sigma = 2.995$ S/m; $\epsilon_r = 38.682$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(7.13, 7.13, 7.13); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.99 W/kg

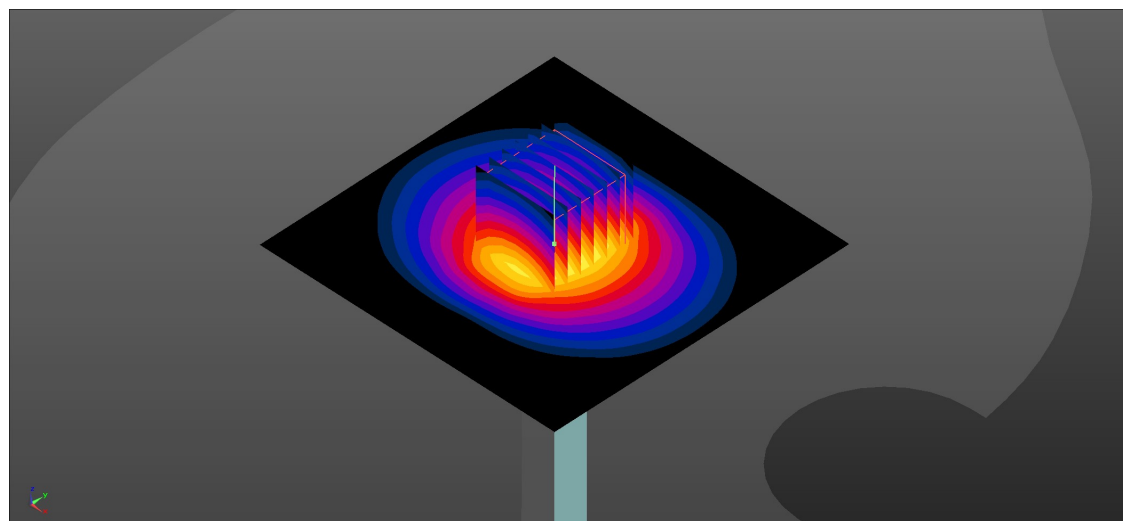
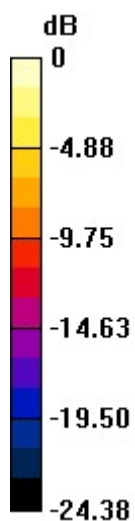
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 32.90 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 7.36 W/kg

SAR(1 g) = 3.25 W/kg; SAR(10 g) = 1.18 W/kg

Maximum value of SAR (measured) = 5.60 W/kg



0 dB = 5.60 W/kg = 7.48 dBW/kg

System Check_Head_3900MHz

DUT: D3900V2 - SN:1048

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1

Medium: HSL_3900 Medium parameters used: $f = 3900$ MHz; $\sigma = 3.195$ S/m; $\epsilon_r = 38.391$; $\rho = 1000$ kg/m³

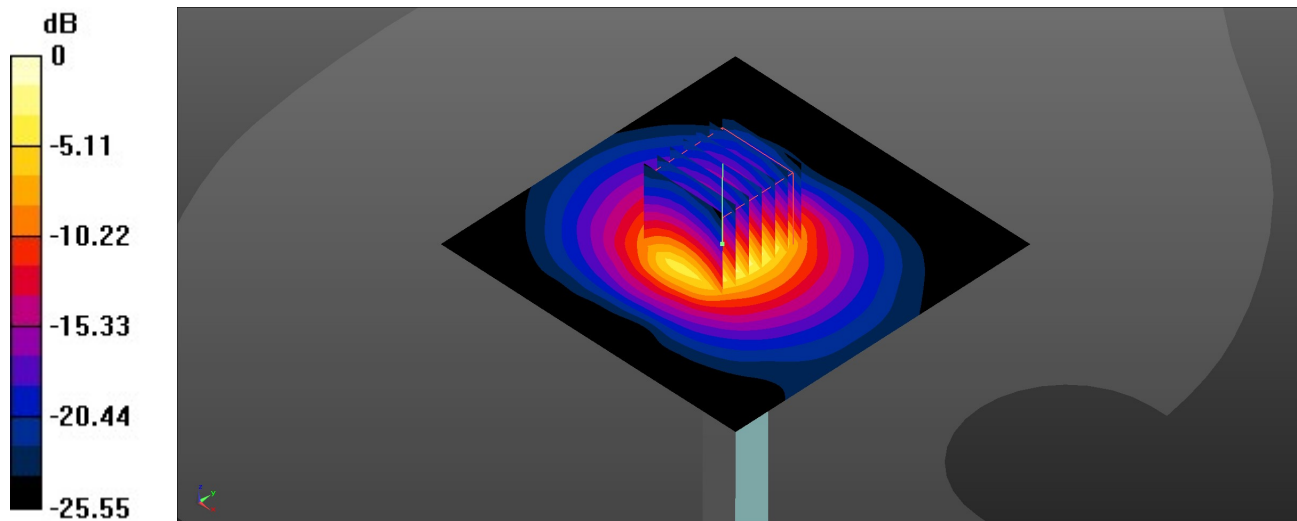
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3935; ConvF(6.99, 6.99, 6.99); Calibrated: 2021.4.29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1650; Calibrated: 2021.6.09
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.71 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.09 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 9.50 W/kg
SAR(1 g) = 3.27 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 6.75 W/kg



0 dB = 6.75 W/kg = 8.29 dBW/kg

System Check_Head_5250MHz**DUT: D5GHzV2 - SN:1113**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL_5250 Medium parameters used $f = 5250$ MHz; $\sigma = 4.579$ S/m; $\epsilon_r = 36.299$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(5.55, 5.55, 5.55); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.29 W/kg

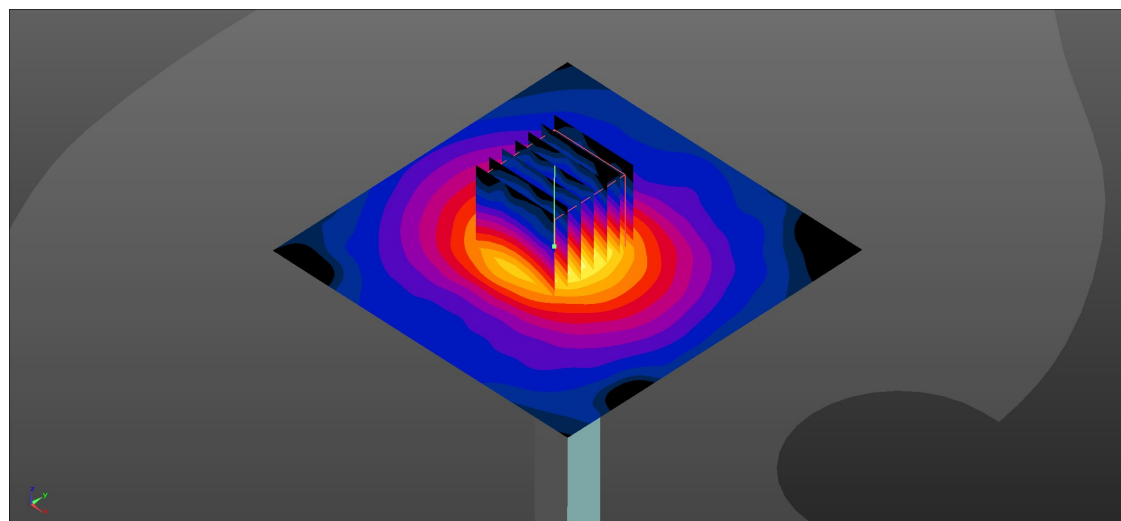
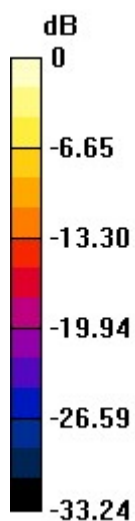
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 52.83 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 16.07 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 1.12 W/kg

Maximum value of SAR (measured) = 9.95 W/kg



0 dB = 9.95 W/kg = 9.98 dBW/kg

System Check_Head_5600MHz**DUT: D5GHzV2 - SN:1113**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL_5600 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.946$ S/m; $\epsilon_r = 35.739$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(4.85, 4.85, 4.85); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.22 W/kg

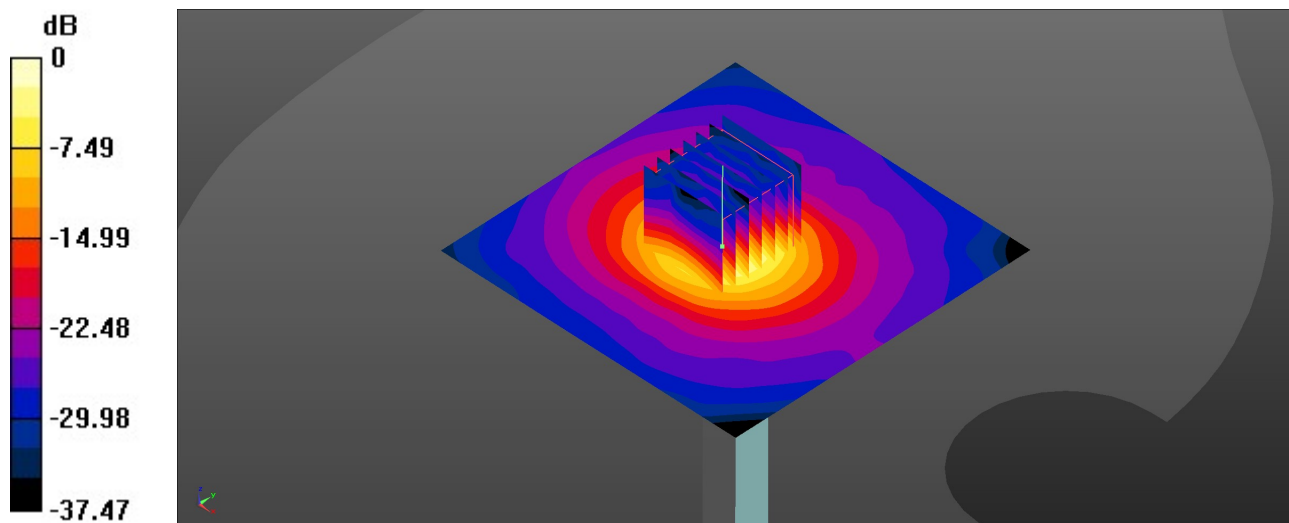
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.09 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 3.91 W/kg; SAR(10 g) = 1.19 W/kg

Maximum value of SAR (measured) = 9.70 W/kg



0 dB = 9.70 W/kg = 9.87 dBW/kg

System Check_Head_5750MHz**DUT: D5GHzV2 - SN:1113**

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL_5750 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.128$ S/m; $\epsilon_r = 35.551$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(5.07, 5.07, 5.07); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.11 W/kg

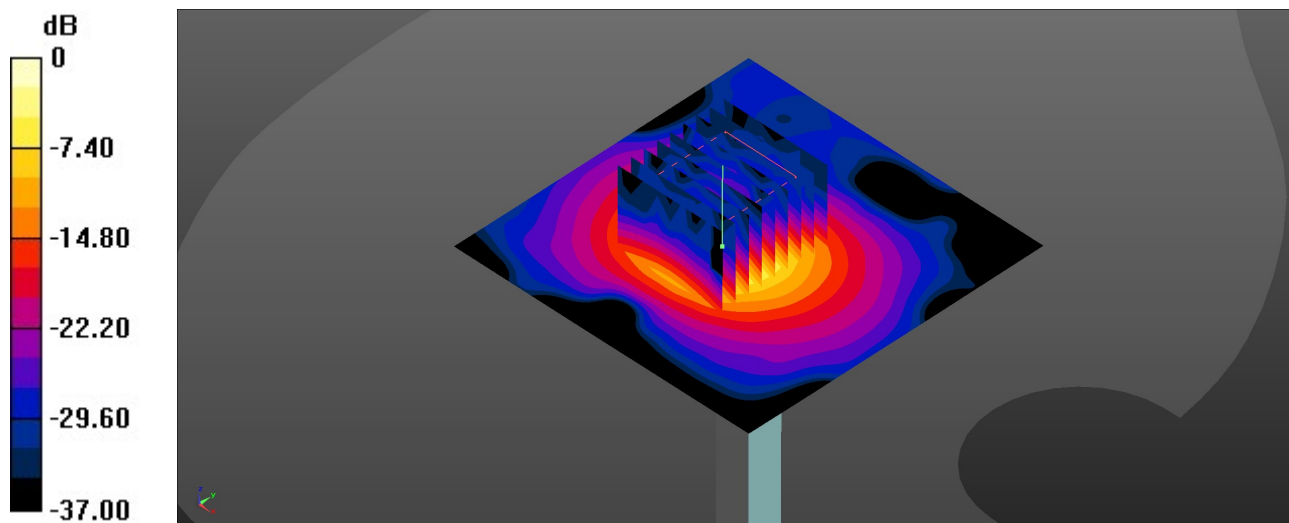
Pin=50mW/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.41 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 18.6 W/kg

SAR(1 g) = 3.97 W/kg; SAR(10 g) = 1.13 W/kg

Maximum value of SAR (measured) = 10.31 W/kg



0 dB = 10.31 W/kg = 10.13 dBW/kg

System Check_Head_750MHz

DUT: D750V3 - SN:1087

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL_750 Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 43.056$; $\rho = 1000 \text{ kg/m}^3$

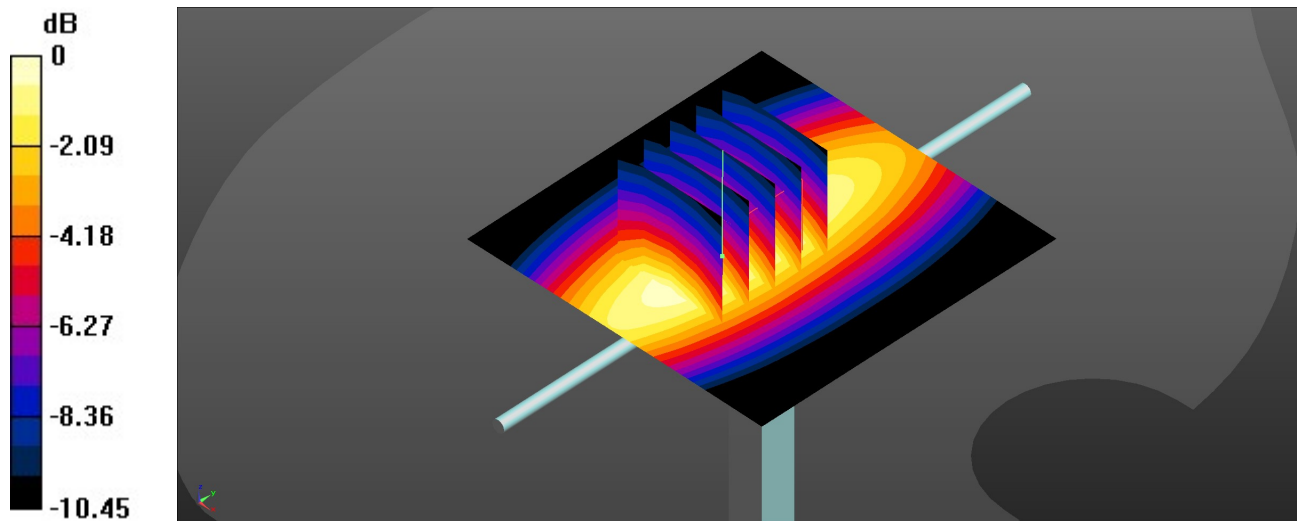
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(10.38, 10.38, 10.38); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.543 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 25.18 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.620 W/kg
SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.269 W/kg
Maximum value of SAR (measured) = 0.546 W/kg



0 dB = 0.546 W/kg = -2.63 dBW/kg

System Check_Head_835MHz

DUT: D835V2 - SN:4d258

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.939 \text{ S/m}$; $\epsilon_r = 42.773$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(10.24, 10.24, 10.24); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.892 W/kg

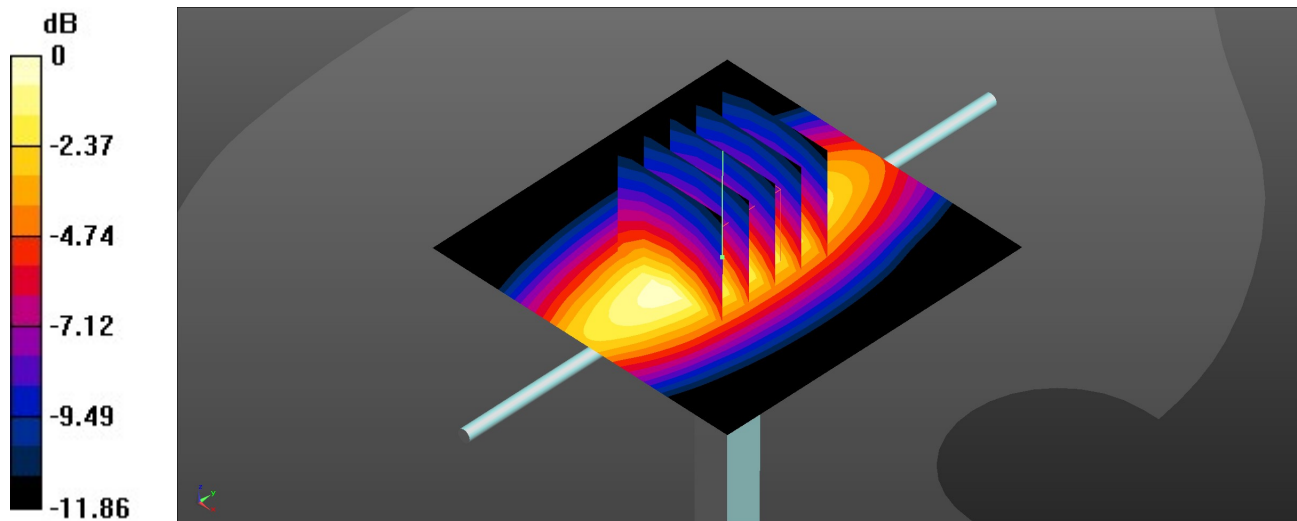
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.32 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 0.894 W/kg



0 dB = 0.894 W/kg = -0.49 dBW/kg

System Check_Head_1750MHz**DUT: D1750V2 - SN:1090**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 40.498$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(8.86, 8.86, 8.86); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

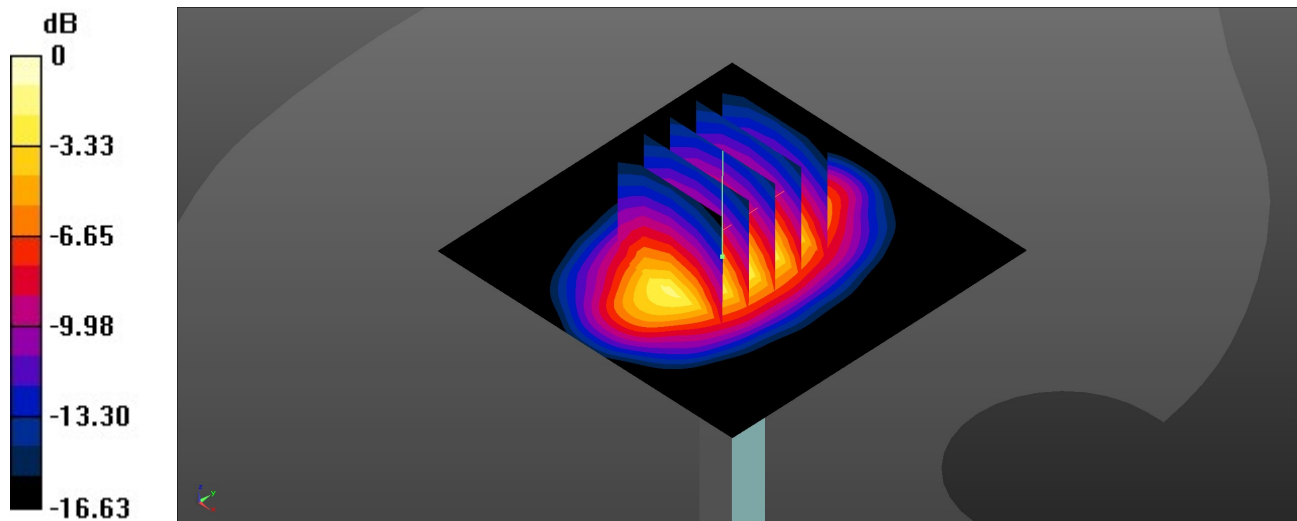
Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.92 W/kg**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.23 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 1.9 W/kg; SAR(10 g) = 1.01 W/kg

Maximum value of SAR (measured) = 2.91 W/kg



0 dB = 2.91 W/kg = 4.64 dBW/kg

System Check_Head_1900MHz**DUT: D1900V2 - SN:5d170**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.424$ S/m; $\epsilon_r = 38.981$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7630; ConvF(8.56, 8.56, 8.56); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

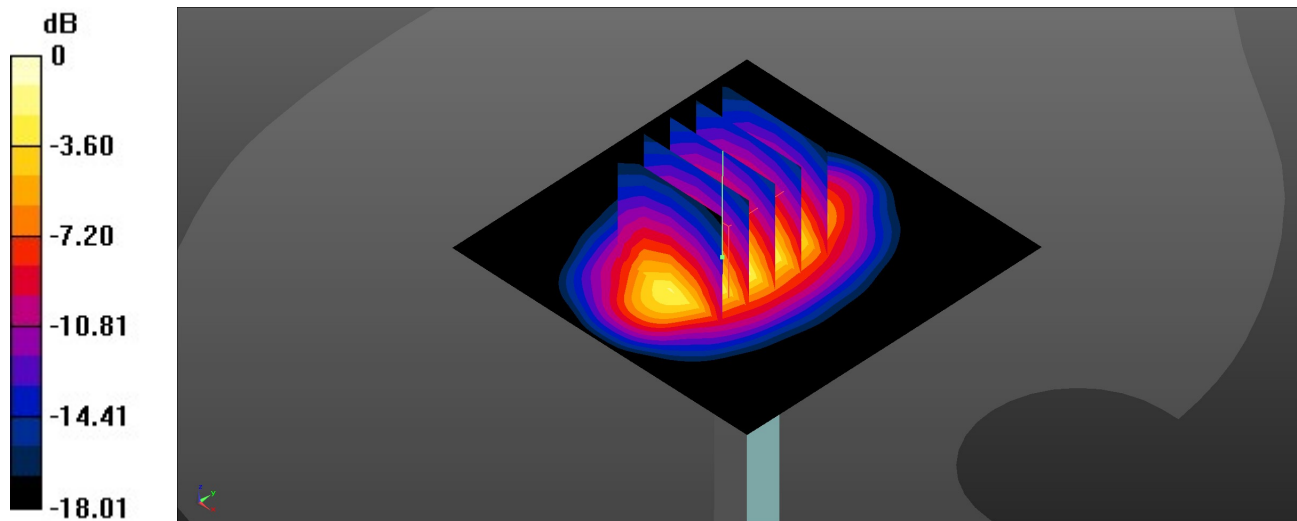
Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.10 W/kg**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.77 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.69 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.02 W/kg

Maximum value of SAR (measured) = 3.07 W/kg



0 dB = 3.07 W/kg = 4.87 dBW/kg