

SAR REPORT

Report No.: JYTSZ-R14-2600015

Applicant: TECNO MOBILE LIMITED

Address of Applicant: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE
19-25 SHAN MEI STREET FOTAN NT HONGKONG

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: CN6

Trade mark: TECNO

FCC ID: 2ADYY-CN6

Applicable standards: FCC 47 CFR Part 2.1093

Date of Test: 23 Mar., 2026 ~ 15 Apr., 2026

Test Result: Maximum Reported 1-g SAR (W/kg)
Head: 1.174 Body: 1.068 Hotspot: 1.131

Project by:

Eric Wang
Project Engineer

Date:

25 May, 2026

Reviewed by:

Wetong Zhang
Senior Engineer

Date:

25 May, 2026

Approved by:

James Wei
Manager

Date:

25 May, 2026

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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2 Version

Version No.	Date	Description
00	25 May, 2026	Original

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4 SAR Results Summary

The maximum results of Specific Absorption Rate (SAR) found during test as below:
<Highest Reported standalone SAR Summary>

Exposure Position	Frequency Band	Reported 1-g SAR (W/kg)	Equipment Class	Highest Reported 1-g SAR (W/kg)
Head	GSM 850	0.613	PCE	1.174
	PCS 1900	0.489		
	WCDMA Band II	1.174		
	WCDMA Band IV	0.715		
	WCDMA Band V	0.299		
	LTE Band 2	0.608		
	LTE Band 4	0.534		
	LTE Band 5	0.588		
	LTE Band 7	0.293		
	LTE Band 12	0.327		
	LTE Band 13	0.580		
	LTE Band 17	0.518		
	LTE Band 38	0.354		
	LTE Band 41	0.314		
	LTE Band 42	0.665		
	LTE Band 66	0.593		
	NR n5	1.078		
	NR n7	0.560		
	NR n12	0.293		
	NR n38	0.333		
	NR n41	0.330		
	NR n66	0.659		
	NR n77 (3450MHz~3550MHz) &n78 (3450MHz~3550MHz)	0.523		
	NRn77 (3700MHz~3980MHz) &n78 (3700MHz~3800MHz)	0.996		
WLAN 2.4 GHz	0.300	DTS		
Bluetooth	0.147	DSS		
WLAN 5.2 GHz	0.204	NII		
WLAN 5.3 GHz	0.226			
WLAN 5.6 GHz	0.227			
WLAN 5.8 GHz	0.249			
Body (10 mm Gap)	GSM 850	0.408	PCE	1.068
	PCS 1900	0.248		
	WCDMA Band II	0.512		
	WCDMA Band IV	1.068		
	WCDMA Band V	0.273		
	LTE Band 2	0.716		
	LTE Band 4	1.054		
	LTE Band 5	0.738		
	LTE Band 7	0.140		
	LTE Band 12	0.253		
	LTE Band 13	0.501		
	LTE Band 17	0.271		
	LTE Band 38	0.766		
	LTE Band 41	0.785		

	LTE Band 42	0.302		
	LTE Band 66	1.063		
	NR n5	0.813		
	NR n7	0.286		
	NR n12	0.378		
	NR n38	0.141		
	NR n41	0.123		
	NR n66	0.363		
	NR n77 (3450MHz~3550MHz) &n78 (3450MHz~3550MHz)	0.211		
	NRn77 (3700MHz~3980MHz) &n78 (3700MHz~3800MHz)	0.200		
	WLAN 2.4 GHz	0.047		
	Bluetooth	0.013		
	WLAN 5.2 GHz	0.034		
	WLAN 5.3 GHz	0.057		
	WLAN 5.6 GHz	0.050		
	WLAN 5.8 GHz	0.071		
Hotspot (10 mm Gap)	GSM 850	0.486		
	PCS 1900	0.248		
	WCDMA Band II	0.512		
	WCDMA Band IV	1.068		
	WCDMA Band V	0.421		
	LTE Band 2	0.794		
	LTE Band 4	1.102		
	LTE Band 5	0.738		
	LTE Band 7	0.140		
	LTE Band 12	0.402		
	LTE Band 13	0.575		
	LTE Band 17	0.449		
	LTE Band 38	0.766		
	LTE Band 41	0.785		
	LTE Band 42	0.859		
	LTE Band 66	1.100		
	NR n5	1.131		
	NR n7	0.286		
	NR n12	0.400		
	NR n38	0.152		
	NR n41	0.141		
	NR n66	0.417		
	NR n77 (3450MHz~3550MHz) &n78 (3450MHz~3550MHz)	0.217		
	NRn77 (3700MHz~3980MHz) &n78 (3700MHz~3800MHz)	0.200		
	WLAN 2.4 GHz	0.100		
	Bluetooth	0.034		
	WLAN 5.2 GHz	0.097		
	WLAN 5.8 GHz	0.152		

<Highest Reported simultaneous SAR Summary>

Exposure Position	Frequency Band	Reported 1-g SAR (W/kg)	Equipment Class	Highest Reported Simultaneous Transmission 1-g SAR (W/kg)
Right Cheek	EN-DC 5A_n77A	1.258	PCE	1.536
	WLAN 5.6 GHz	0.176	NII	
	Bluetooth	0.102	DSS	
	NFC	0.000	DXX	

Note:

1. The highest simultaneous transmission is scalar summation of Reported standalone SAR per FCC KDB 690783 D01 v01r03, and scalar SAR summation of all possible simultaneous transmission scenarios are < 1.6W/kg.
2. This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-2005, and had been tested in accordance with the measurement methods and procedures specified in IEC/IEEE 62209-1528:2020.
3. For DFS operation type is slaver device without radar detection function, 5.3GHz WLAN and 5.6GHz WLAN does not support hotspot mode.
4. For TDD-NR n78 is full covered by TDD-NR n77, so only TDD-NR n77 was tested.

5 General Information

5.1 Client Information

Applicant:	TECNO MOBILE LIMITED
Address of Applicant:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	TECNO MOBILE LIMITED
Address of Manufacturer:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Factory:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address of Factory:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

5.2 General Description of EUT

Product Name:	Mobile Phone		
Model No.:	CN6		
Category of device	Portable device		
Operation Frequency:	GSM:	GSM850: 824.2~848.8 MHz	PCS 1900: 1850.2~1909.8 MHz
	WCDMA:	Band II: 1852.4~1907.6 MHz	Band V: 826.4~846.6 MHz
		Band IV: 1712.4~1752.6 MHz	
	LTE:	Band 2:1850MHz~1910MHz	Band 4:1710MHz~1755MHz
		Band 5:824MHz~849MHz	Band 7: 2500MHz~2570MHz
		Band 12: 699MHz~716MHz	Band 13: 777MHz~787MHz
		Band 17: 704MHz~716MHz	Band 38: 2570MHz~2620MHz
		Band 41: 2496MHz~2690MHz	Band 42:3450MHz~3550MHz
		Band 66:1710MHz~1780MHz	
	5G NR	n5: 824MHz~849MHz	n7: 2500MHz~2570MHz
		n12: 699-716MHz	n38: 2570MHz~2620MHz
		n41: 2496MHz~2690MHz	n66:1710MHz~1780MHz
		n77: 3450MHz~3550MHz	n77: 3700MHz~3980MHz
		n78: 3450MHz~3550MHz	n78: 3700MHz~3800MHz
	Wi-Fi:	2412MHz~2462MHz	5150MHz-5250MHz
		5250MHz-5350MHz	5470MHz-5725MHz
		5725MHz-5850MHz	
	Bluetooth: 2402 MHz ~ 2480 MHz		
	NFC:13.56MHz		
Modulation technology:	GSM:	☒ Voice(GMSK)	☒ GPRS(GMSK)
			☒ EGPRS(GMSK, 8PSK)
	WCDMA:	☒ RMC(QPSK)	☒ HSUPA(QPSK)
			☒ HSDPA(QPSK,16QAM)
	LTE:	☒ QPSK	☒ 16QAM
			☒ 64QAM
	5G NR:	☒ CP-OFDM(QPSK,16QAM,64QAM,256QAM)	
		☒ DFT-s-OFDM($\pi/2$ -BPSK,QPSK,16QAM,64QAM,256QAM)	
	Wi-Fi:	☒ 802.11b(DSSS)	
		☒ 802.11a/g/n/ac/ax (OFDM)	
	Bluetooth:	☒ BDR(GFSK)	☒ EDR($\pi/4$ -DQPSK, 8DPSK)
			☒ LE(GFSK)
	NFC:	☒ ASK	

	SA: NR n5, n7,n12, n38, n41,n66, n77, n78	
	NSA(EN-DC):	DC_2A_n7A, DC_4A_n7A, DC_5A_n7A, DC_7A_n7A, DC_66A_n7A, DC_5A_n38A, DC_66A_n38A, DC_4A_n41A, DC_5A_n41A, DC_41A_n41A, DC_66A_n41A, DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_66A_n66A, DC_2A_n78A, DC_4A_n78A, DC_5A_n78A, DC_7A_n78A, DC_38A_n78A, DC_41A_n78A, DC_66A_n78A, DC_5A_n77A, DC_7A_n77A, DC_41A_n77A, DC_66A_n77A
		EN-DC with LTE 2CA: DC_7C_n78A, DC_41C_n78A, DC_7C_n77A, DC_41C_n77A, DC_41C_n41A, , DC_7A-7A_n78A, DC_2A-2A_n78, DC_2A-4A_n78, DC_2A-5A_n78, DC_2A-7A_n78, DC_2A-66A_n78, DC_4A-5A_n78, DC_5A-7A_n78A, DC_7A-66A_n78A (LTE Band CA only supports downlink)
		EN-DC with NR 2CA: DC_66_n7A-n78A, DC_2A_n7A-n78A, NR CA n7A-n78A is downlink CA
Antenna Type:	Internal Antenna	
Antenna Gain:	GSM 850:	ANT1: -7.69 dBi (declare by Applicant)
		ANT3: -0.07 dBi (declare by Applicant)
	PCS1900:	ANT2: -1.51 dBi (declare by Applicant)
		ANT4: -3.40 dBi (declare by Applicant)
	WCDMA band II:	ANT2: -1.51 dBi (declare by Applicant)
		ANT4: -3.40 dBi (declare by Applicant)
	WCDMA band IV:	ANT2: -2.87 dBi (declare by Applicant)
		ANT4: -4.97 dBi (declare by Applicant)
	WCDMA band V:	ANT1: -7.69 dBi (declare by Applicant)
		ANT3: -0.07 dBi (declare by Applicant)
	LTE band 2:	ANT2: -1.51 dBi (declare by Applicant)
		ANT4: -3.40 dBi (declare by Applicant)
	LTE band 4:	ANT2: -2.87 dBi (declare by Applicant)
		ANT4: -4.97 dBi (declare by Applicant)
	LTE band 5:	ANT1: -7.69 dBi (declare by Applicant)
		ANT3: -0.07 dBi (declare by Applicant)
	LTE band 7:	ANT2: -1.30 dBi (declare by Applicant)
		ANT4: -0.73 dBi (declare by Applicant)
	LTE band 12:	ANT1: -5.77 dBi (declare by Applicant)
		ANT3: -6.07 dBi (declare by Applicant)
	LTE band 13:	ANT1: -5.77 dBi (declare by Applicant)
		ANT3: -6.07 dBi (declare by Applicant)
	LTE band 17:	ANT1: -5.77 dBi (declare by Applicant)
		ANT3: -6.07 dBi (declare by Applicant)
	LTE band 38:	ANT2: -1.30 dBi (declare by Applicant)
		ANT4: -0.73 dBi (declare by Applicant)
	LTE band 41:	ANT2: -1.30 dBi (declare by Applicant)

		ANT4: -0.73 dBi (declare by Applicant)	
	LTE band 42:	ANT3: -0.01 dBi (declare by Applicant)	
		ANT5: -1.17 dBi (declare by Applicant)	
	LTE band 66:	ANT2: -2.87 dBi (declare by Applicant)	
		ANT4: -4.97 dBi (declare by Applicant)	
	Band n5:	ANT1: -7.69 dBi (declare by Applicant)	
		ANT3: -0.07 dBi (declare by Applicant)	
	Band n7:	ANT2: -1.30 dBi (declare by Applicant)	
		ANT4: -0.73 dBi (declare by Applicant)	
	Band n12:	ANT1: -5.77 dBi (declare by Applicant)	
		ANT3: -6.07 dBi (declare by Applicant)	
	Band n38:	ANT2: -1.30 dBi (declare by Applicant)	
		ANT4: -0.73 dBi (declare by Applicant)	
	Band n41:	ANT2: -1.30 dBi (declare by Applicant)	
		ANT4: -0.73 dBi (declare by Applicant)	
	Band n66:	ANT2: -2.87 dBi (declare by Applicant)	
		ANT4: -4.97 dBi (declare by Applicant)	
	Band n77:	ANT3: -0.01 dBi (declare by Applicant)	
		ANT5: -1.17 dBi (declare by Applicant)	
	Band n78:	ANT3: -0.01 dBi (declare by Applicant)	
		ANT5: -1.17 dBi (declare by Applicant)	
	2.4G Wi-Fi	ANT 12: -3.08 dBi (declare by applicant)	
		ANT 13: -0.52 dBi (declare by applicant)	
BT	ANT 12: -3.08 dBi (declare by applicant)		
BLE	ANT 12: -3.08 dBi (declare by applicant)		
5G Wi-Fi	ANT6: -0.77 dBi (declare by applicant)		
(E)GPRS Class:	(E)GPRS Class: 12		
DFS Operation Type:	☐ Master Device ☐ Slaver Device with Radar detection function ☒ Slaver Device without Radar detection function		
Dimensions (L*W*H):	163 mm (L)× 78 mm (W)× 11 mm (H)		
Accessories information:	Adapter: Model: U450TSB Input: AC100-240V, 50/60Hz, 1.8A Output: DC 5.0V, 3.0A 15.0W or 5.0-10.0V, 4.5A or 11.0V, 4.1A 45.0W MAX		Battery: Rechargeable Li-ion Polymer Battery DC3.82V, 5800mAh
			Headset: Support (shipped without)

5.3 Disclaimer

Disclaimer:
For the information or data provided by the client in this report, the relevant results or conclusions of this report are only made for these data or information. The testing laboratory is not responsible for the authenticity and accuracy of these data or information.

5.4 Maximum RF Output Power

PRX:

Mode	Output Power (dBm)	
	GSM 850(ANT3)	PCS 1900(ANT2)
GSM (Voice)	33.40	29.38
GPRS (1 TX Slot)	33.42	29.42
GPRS (2 TX Slots)	32.32	28.46
GPRS (3 TX Slots)	30.15	26.41
GPRS (4 TX Slots)	28.91	25.25
EGPRS (1 TX Slot)	27.23	25.58
EGPRS (2 TX Slots)	27.16	25.51
EGPRS (3 TX Slots)	27.07	25.40
EGPRS (4 TX Slots)	26.95	25.26

DRX:

Mode	Output Power (dBm)	
	GSM 850(ANT1)	PCS 1900(ANT5)
GSM (Voice)	32.00	28.29
GPRS (1 TX Slot)	31.99	28.33
GPRS (2 TX Slots)	31.17	27.53
GPRS (3 TX Slots)	29.36	25.64
GPRS (4 TX Slots)	28.21	24.57
EGPRS (1 TX Slot)	26.56	24.83
EGPRS (2 TX Slots)	26.51	24.77
EGPRS (3 TX Slots)	26.47	24.69
EGPRS (4 TX Slots)	26.38	24.63

PRX:

Mode	Output Power (dBm)		
	WCDMA Band II(ANT2)	WCDMA Band IV(ANT2)	WCDMA Band V(ANT3)
AMR 12.2 kbps	22.99	22.64	23.51
RMC 12.2 kbps	22.89	22.59	23.58
HSDPA Sub-test 1	23.00	22.72	23.62
HSDPA Sub-test 2	22.42	22.24	23.14
HSDPA Sub-test 3	22.52	22.27	23.18
HSDPA Sub-test 4	22.45	22.23	23.16
HSUPA Sub-test 1	20.85	20.64	21.63
HSUPA Sub-test 2	20.81	21.14	22.16
HSUPA Sub-test 3	21.84	21.69	22.62
HSUPA Sub-test 4	20.90	20.66	21.63
HSUPA Sub-test 5	22.86	22.67	23.64

DRX:

Mode	Output Power (dBm)		
	WCDMA Band II(ANT5)	WCDMA Band IV(ANT5)	WCDMA Band V(ANT1)
AMR 12.2 kbps	22.27	22.49	23.03
RMC 12.2 kbps	22.07	22.54	23.04
HSDPA Sub-test 1	22.27	22.55	23.05
HSDPA Sub-test 2	21.69	22.05	22.57
HSDPA Sub-test 3	21.78	22.08	22.56
HSDPA Sub-test 4	21.72	22.03	22.56
HSUPA Sub-test 1	20.12	20.50	21.04
HSUPA Sub-test 2	20.66	21.01	21.56
HSUPA Sub-test 3	21.16	21.53	22.05
HSUPA Sub-test 4	20.18	20.51	21.05
HSUPA Sub-test 5	22.13	22.51	23.03

PRX:

Mode	Output Power (dBm)										
	LTE Band 2 (ANT2)	LTE Band 4 (ANT2)	LTE Band 5 (ANT3)	LTE Band 7 (ANT2)	LTE Band 12 (ANT3)	LTE Band 13 (ANT3)	LTE Band 17 (ANT3)	LTE Band 38 (ANT2)	LTE Band 41 (ANT2)	LTE Band 42 (ANT5)	LTE Band 66 (ANT2)
BW/1.4 MHz	23.84	23.18	23.80	/	23.88	/	/	/	/	/	23.37
BW/3.0 MHz	23.94	23.15	23.81	/	23.86	/	/	/	/	/	23.56
BW/5.0 MHz	24.14	23.34	23.94	23.94	24.09	24.19	23.55	24.18	24.76	24.45	23.56
BW/10 MHz	23.70	23.27	23.92	24.11	23.92	23.97	23.92	23.88	24.47	24.55	23.59
BW/15 MHz	23.59	22.93	/	23.69	/	/	/	23.92	24.69	24.67	23.50
BW/20 MHz	23.79	23.26	/	24.11	/	/	/	23.74	24.39	24.57	23.54

DRX:

Mode	Output Power (dBm)										
	LTE Band 2 (ANT5)	LTE Band 4 (ANT5)	LTE Band 5 (ANT1)	LTE Band 7 (ANT5)	LTE Band 12 (ANT1)	LTE Band 13 (ANT1)	LTE Band 17 (ANT1)	LTE Band 38 (ANT5)	LTE Band 41 (ANT5)	LTE Band 42 (ANT3)	LTE Band 66 (ANT5)
BW/1.4 MHz	24.46	24.12	24.10	/	24.07	/	/	/	/	/	23.82
BW/3.0 MHz	24.19	24.08	24.12	/	24.10	/	/	/	/	/	23.93
BW/5.0 MHz	24.43	24.35	24.34	24.35	24.22	24.47	24.11	24.93	24.93	23.54	24.05
BW/10 MHz	24.60	24.08	24.16	24.22	24.07	24.28	23.98	24.62	24.57	23.55	23.87
BW/15 MHz	24.36	23.97	/	24.34	/	/	/	24.91	24.86	23.72	24.06
BW/20 MHz	24.42	23.99	/	24.32	/	/	/	24.55	24.47	23.57	24.09

PRX:

Mode	Output Power (dBm)									
	NR n5 (ANT3)	NR n7 (ANT2)	NR n12 (ANT3)	NR n38 (ANT2)	NR n41 (ANT2)	NR n66 (ANT2)	NR n77 3450- 3550 (ANT5)	NR n77 3700- 3980 (ANT5)	NR n78 3450- 3550 (ANT5)	NR n78 3700- 3800 (ANT5)
BW/10MHz	23.56	23.09	23.33	23.20	23.26	22.08	24.90	24.37	24.47	25.03
BW/15MHz	23.51	23.02	23.27	23.17	23.20	22.10	24.80	24.37	24.43	24.88
BW/20 MHz	23.61	23.09	/	23.34	23.25	22.08	24.88	24.46	24.48	24.98
BW/30MHz	/	/	/	/	23.21	/	24.83	24.47	24.48	24.98
BW/40MHz	/	/	/	23.23	23.23	21.96	24.73	24.48	24.47	24.99
BW/50MHz	/	/	/	/	23.15	/	24.71	24.49	24.47	25.00
BW/60MHz	/	/	/	/	23.09	/	24.67	24.44	24.46	25.00
BW/70MHz	/	/	/	/	23.03	/	25.35	25.58	25.51	25.65
BW/80MHz	/	/	/	/	23.21	/	24.69	24.51	24.43	24.99
BW/90MHz	/	/	/	/	23.23	/	24.68	24.45	24.42	24.95
BW/100MHz	/	/	/	/	23.18	/	24.52	24.42	24.28	24.89

DRX:

Mode	Output Power (dBm)									
	NR n5 (ANT1)	NR n7 (ANT5)	NR n12 (ANT1)	NR n38 (ANT5)	NR n41 (ANT5)	NR n66 (ANT5)	NR n77 3450- 3550 (ANT3)	NR n77 3700- 3980 (ANT3)	NR n78 3450- 3550 (ANT3)	NR n78 3700- 3800 (ANT3)
BW/10MHz	23.89	23.07	23.44	24.05	23.83	21.77	25.56	25.04	25.57	25.22
BW/15MHz	23.83	22.94	23.42	23.75	23.79	21.79	25.47	24.93	25.48	25.14
BW/20 MHz	23.91	23.09	/	23.83	23.88	21.72	25.58	25.15	25.53	25.25
BW/30MHz	/	/	/	/	23.91	/	25.53	25.12	25.56	25.22
BW/40MHz	/	/	/	23.78	23.85	21.69	25.52	25.19	25.53	25.20
BW/50MHz	/	/	/	/	23.86	/	25.51	25.31	25.43	25.21
BW/60MHz	/	/	/	/	23.82	/	25.35	25.22	25.29	25.16
BW/70MHz	/	/	/	/	23.55	/	25.44	25.15	25.35	25.15
BW/80MHz	/	/	/	/	23.85	/	25.47	25.30	25.43	25.22
BW/90MHz	/	/	/	/	23.85	/	25.38	25.27	25.43	25.22
BW/100MHz	/	/	/	/	23.82	/	25.19	25.26	25.10	25.15

ANT12:

WLAN 2.4 GHz Band Average Power (dBm)				
Mode/Band	b	g	n (HT-20)	ax20
WLAN 2.4GHz	18.07	16.26	17.02	15.91

ANT13:

WLAN 2.4 GHz Band Average Power (dBm)				
Mode/Band	b	g	n (HT-20)	ax20
WLAN 2.4GHz	17.28	15.35	16.60	15.54

WLAN 5.2 GHz Band Output Power (dBm)									
Mode/Band	a	ac20	ac40	ac80	ax20	ax40	ax80	n20	n40
WLAN 5.2GHz	17.09	15.65	15.39	15.27	16.28	16.36	15.92	16.99	16.01

WLAN 5.3 GHz Band Output Power (dBm)									
Mode/Band	a	ac20	ac40	ac80	ax20	ax40	ax80	n20	n40
WLAN 5.3GHz	17.56	15.41	15.63	15.26	15.68	16.10	16.10	15.50	16.18

WLAN 5.6 GHz Band Output Power (dBm)									
Mode/Band	a	ac20	ac40	ac80	ax20	ax40	ax80	n20	n40
WLAN 5.6GHz	16.73	15.16	15.14	14.99	16.03	15.74	15.60	15.96	14.57

WLAN 5.8 GHz Band Output Power (dBm)									
Mode/Band	a	ac20	ac40	ac80	ax20	ax40	ax80	n20	n40
WLAN 5.8GHz	16.73	15.21	14.91	14.43	15.81	15.45	15.04	16.61	15.18

Bluetooth Output Power (dBm)							
Mode/Band	1 Mbps (GFSK)	2 Mbps ($\pi/4$ DQPSK)	3 Mbps (8DPSK)	BLE PHY 1M	BLE PHY 2M	BLE Coded PHY S=2	BLE Coded PHY S=8
Bluetooth	15.09	14.08	13.79	13.13	13.88	13.15	13.23

NFC Band Output Power (dBm)	
Mode/Band	ASK
NFC	0.000007

5.5 Environment of Test Site

Temperature:	18°C ~25 °C
Humidity:	35%~75% RH
Atmospheric Pressure:	1010 mbar

5.6 Test Sample Plan

Sample Number	Used for Test Items
SZR012600059-2	SAR
Remark: JianYan Testing Group Shenzhen Co., Ltd. is only responsible for the test project data of the above samples, and will keep the above samples for a month.	

5.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

5.8 Test Location

JianYan Testing Group Shenzhen Co., Ltd.

No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community,Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

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Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

6 Introduction

6.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

6.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dU}{dm} \right) = \frac{d}{dt} \left(\frac{dU}{\rho dv} \right)$$

SAR is expressed in units of Watts per kilogram (W/kg)

SAR measurement can be either related to the temperature elevation in tissue by

$$SAR = C \left(\frac{\delta T}{\delta t} \right)$$

Where: C is the specific heat capacity, δT is the temperature rise and δt is the exposure duration, or related to the electrical field in the tissue by

$$SAR = \frac{\sigma \cdot E^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength. However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

7 RF Exposure Limits

7.1 Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

7.2 Controlled Environment

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

7.3 RF Exposure Limits

SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6

HUMAN EXPOSURE LIMITS		
	UNCONTROLLED ENVIRONMENT <i>General Population</i> (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT <i>Occupational</i> (W/kg) or (mW/g)
SPATIAL PEAK SAR Brain	1.6	8.0
SPATIAL AVERAGE SAR Whole Body	0.08	0.4
SPATIAL PEAK SAR Hands, Feet, Ankles, Wrists	4.0	20

Note:

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

8 SAR Measurement System

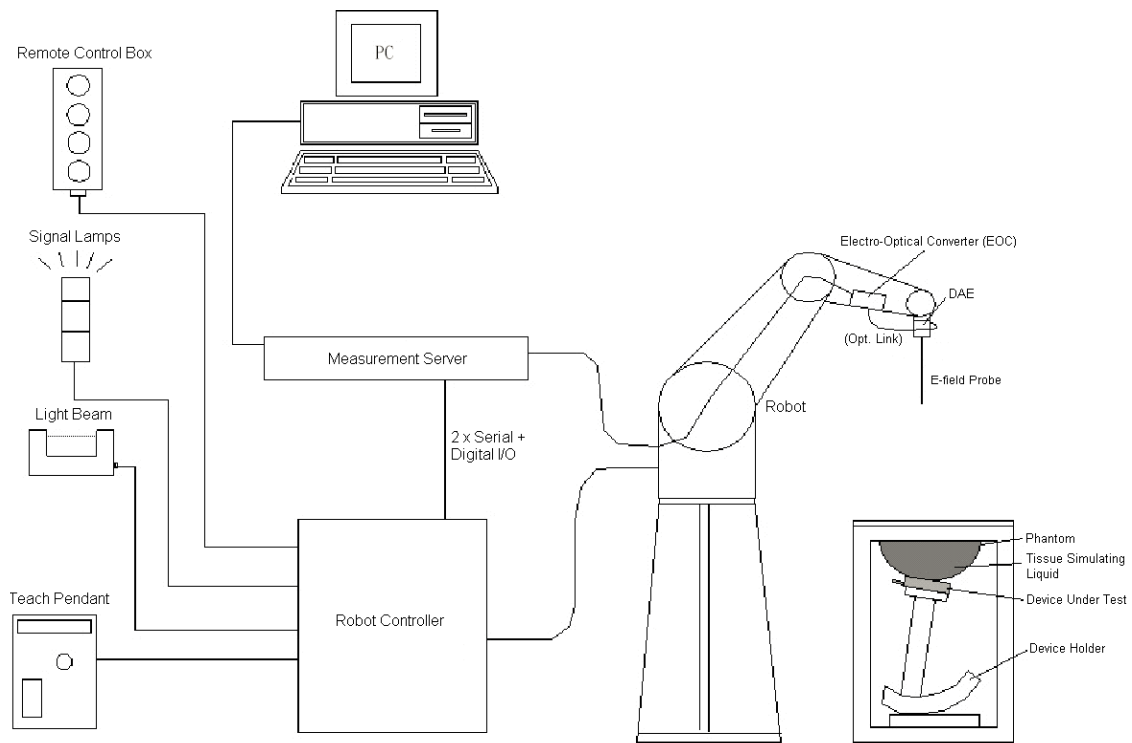


Fig. 8.1 SPEAG DASY System Configurations

The DASY system for performance compliance tests is illustrated above graphically. This system consists of the following items:

- A standard high precision 6-axis robot with controller, a teach pendant and software
- A data acquisition electronic (DAE) attached to the robot arm extension
- A dosimetric probe equipped with an optical surface detector system
- The electro-optical converter (EOC) performs the conversion between optical and electrical signals
- A measurement server performs the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the accuracy of the probe positioning
- A computer operating Windows XP
- DASY software
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom
- A device holder
- Tissue simulating liquid
- Dipole for evaluating the proper functioning of the system

Component details are described in the following sub-sections.

8.1 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

➤ E-Field Probe Specification <EX3DV4 Probe>

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency Directivity	10 MHz to 6 GHz; Linearity: ± 0.2 dB ± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 μ W/g to 100 mW/g; Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)	
Dimensions	Overall length: 330 mm (Tip: 20mm) Tip diameter: 2.5 mm (Body: 12mm) Typical distance from probe tip to dipole centers: 1 mm	

Fig. 8.2 Photo of E-Field Probe

➤ E-Field Probe Calibration

Each probe needs to be calibrated according to a dosimetric assessment procedure with accuracy better than $\pm 10\%$. The spherical isotropy shall be evaluated and within ± 0.25 dB. The sensitivity parameters (Norm X, Norm Y and Norm Z), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe are tested. The calibration data can be referred to appendix E of this report.

8.2 Data Acquisition Electronics (DAE)

The Data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock. The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.



Fig. 8.3 Photo of DAE

8.3 Robot

The SPEAG DASY system uses the high precision robots (DASY5: TX60L) type from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY5: CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability 0.02 mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance free due to direct drive gears; nobelt drives)
- Jerk-free straight movements
- Low ELF interference (motor control fields shielded via the closed metallic construction shields)



Fig. 8.4 Photo of Robot

8.4 Measurement Server

The measurement server is based on a PC/104 CPU board with CPU (DASY 5: 400MHz, Intel Celeron), chip-disk (DASY5: 128 MB), RAM (DASY5: 128 MB). The necessary circuits for communication with the DAE electronic box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY I/O board, which is directly connected to the PC/104 bus of the CPU board. The measurement server performs all the real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operations.



Fig. 8.5 Photo of Server for DASY5

8.5 Light Beam Unit

The light beam switch allows automatic "tooling" of the probe. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip. The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.



Fig. 8.6 Photo of Light Beam

8.6 Phantom

<SAM Twin Phantom>

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume Dimensions	Approx. 25 liters Length: 1000mm; Width: 500mm; Height: adjustable feet
Measurement Areas	Left Head, Right Head, Flat phantom



Fig. 8.7 Photo of SAM Twin Phantom

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

<ELI4 Phantom >

The ELI4 phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30MHz to 6 GHz. ELI4 is fully compatible with the latest draft of the standard IEC 62209-2 and all known tissue simulating liquids.

ELI4 has been optimized regarding its performance and can be integrated into a SPEAG standard phantom table. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom can be used with the following tissue simulating liquids:

- Water-sugar based liquids can be left permanently in the phantom. Always cover the liquid if the system is not in use; otherwise the parameters will change due to water evaporation.
- DGBE based liquids should be used with care. As DGBE is a softener for most plastics, the liquid should be taken out of the phantom and the phantom should be dried when the system is not in use (desirable at least once a week).
- Do not use other organic solvents without previously testing the phantom resistiveness

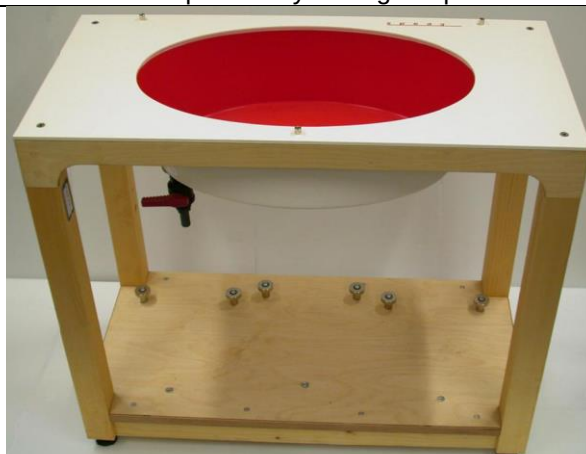


Fig.8.8 Photo of ELI4 Phantom

8.7 Device Holder

<Device Holder for SAM Twin Phantom>

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards. The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (ERP).

Thus the device needs no repositioning when changing the angles.

The DASY device holder is constructed of low-low POM material having the following dielectric parameters: relative permittivity $\epsilon = 3$ and loss tangent $\delta = 0.02$. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.



Fig. 8.9 Photo of Device Holder

8.8 Data storage and Evaluation

➤ Data Storage

The DASY software stores the assessed data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all the necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files. The post-processing software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verifications of the complete software setup even after the measurement and allows correction of erroneous parameter settings. For example, if a measurement has been performed with an incorrect crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be reevaluated.

The measured data can be visualized or exported in different units or formats, depending on the selected probe type (e.g., [V/m], [mW/g]). Some of these units are not available in certain situations or give meaningless results, e.g., a SAR-output in a non-lose media, will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

➤ Data Evaluation

The DASY post-processing software (SEMCAD) automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe Parameters:	- Sensitivity	$\text{Norm}_i, a_{i0}, a_{i1}, a_{i2}$
	- Conversion	ConvF_i
	- Diode compression point	dcp_i
Device Parameters:	- Frequency	f
	- Crest	cf
Media Parameters:	- Conductivity	σ
	- Density	ρ

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multi-meter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power.

The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot \frac{cf}{dcp_i}$$

With V_i = compensated signal of channel i, (i = x, y, z)
 U_i = input signal of channel i, (i = x, y, z)
 cf = crest factor of exciting field (DASY parameter)
 dcp_i = diode compression point (DASY parameter)

From the compensated input signals, the primary field data for each channel can be evaluated:

$$\text{E- Field Probes: } E_i = \sqrt{\frac{V_i}{\text{Norm}_i \cdot \text{ConvF}}}$$

$$\text{H-Field Probes: } H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1}f + a_{i2}f^2}{f}$$

With V_i = compensated signal of channel i, (i = x, y, z)
 Norm_i = sensor sensitivity of channel i, (i = x, y, z), $\mu\text{V}/(\text{V/m})^2$
 ConvF = sensitivity enhancement in solution
 a_{ij} = sensor sensitivity factors for H-field probes
 f = carrier frequency (GHz)
 E_i = electric field strength of channel i in V/m
 H_i = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = \sqrt{E_x^2 + E_y^2 + E_z^2}$$

The primary field data are used to calculate the derived field units.

$$\text{SAR} = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1000}$$

With SAR = local specific absorption rate in mW/g
 E_{tot} = total field strength in V/m
 σ = conductivity in (mho/m) or (Siemens/m)
 ρ = equipment tissue density in g/cm^3

Note that the density is set to 1, to account for actual head tissue density rather than the density of the tissue simulating liquid.

8.9 Test Equipment List

Manufacturer	Equipment Description	Model	Management Number	Cal. Information	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	WXJ023	05.18.2023	05.17.2026
SPEAG	835MHz System Validation Kit	D835V2	WXJ023-1	05.12.2025	05.11.2028
SPEAG	1750MHz System Validation Kit	D1750V2	WXJ023-6	01.17.2024	01.16.2027
SPEAG	1900MHz System Validation Kit	D1900V2	WXJ023-2	05.15.2025	05.14.2028
SPEAG	2450MHz System Validation Kit	D2450V2	WXJ023-3	05.09.2025	05.08.2028
SPEAG	2600MHz System Validation Kit	D2600V2	WXJ023-4	10.23.2024	10.22.2027
SPEAG	3500MHz System Validation Kit	D3500V2	WXJ023-8	01.22.2024	01.21.2027
SPEAG	3700MHz System Validation Kit	D3700V2	WXJ023-9	01.17.2024	01.16.2027
SPEAG	3900MHz System Validation Kit	D3900V2	WXJ023-10	01.22.2024	01.21.2027
SPEAG	5GHz System Validation Kit	D5GHzV2	WXJ023-14	01.16.2024	01.15.2027
SPEAG	Data Acquisition Electronics	DAE4	WXJ021-1	04.10.2025	04.09.2026
SPEAG	Data Acquisition Electronics	DAE4	SN918	05.02.2025	05.01.2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	WXJ022	10.08.2025	10.07.2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	SN7351	06.19.2025	06.18.2026
SPEAG	DASY 52 Measurement Software	DASY 52	Version 52.10.4.1527	N.C.R	N.C.R
SPEAG	DASY 52 File Conversion Software	SEMCAD X	Version 14.6.14 (7501)	N.C.R	N.C.R
SPEAG	Robot Controller	CS8Cspeag-TX60	WXG021-1	N.C.R	N.C.R
SPEAG	Phantom	Twin SAM Phantom	WXG021-4	N.C.R	N.C.R
SPEAG	Phantom	ELI V5.0	WXG021-5	N.C.R	N.C.R
SPEAG	Phone Positioner	N/A	WXG021-6	N.C.R	N.C.R
St?ubli	Robot	TX60Lspeag	WXG021-3	N.C.R	N.C.R
KEYSIGHT	UXM 5G Wireless Test Platform	E7515B	WXJ008-6	08.08.2025	08.07.2026
R&S	Broadband radio communication tester	CMW500	WXJ008-3	06.13.2025	06.12.2026
Anritsu	Universal Radio Communication Analyzer	MT8820C	WXJ008-5	12.16.2024	12.15.2026
R&S	Universal Radio Communication Tester	CMU200	WXJ008-2	12.05.2025	12.04.2027
KEYSIGHT	Network Analyzer	E5071C	WXJ091	12.05.2025	12.04.2026
KEYSIGHT	EPM Series Power Meter	N1914A	WXJ075	05.08.2025	05.07.2026
KEYSIGHT	E-Series Power Sensor	E9300H	WXJ075-1	05.08.2025	05.07.2026
KEYSIGHT	E-Series Power Sensor	E9300H	WXJ075-2	05.08.2025	05.07.2026
KEYSIGHT	Signal Generator	N5173B	WXJ006-3	08.08.2025	08.07.2026
Huber Suhner	RF Cable	SUCOFLEX	WXG008-13	See Note 3	
Huber Suhner	RF Cable	SUCOFLEX	WXG008-14	See Note 3	
Huber Suhner	RF Cable	SUCOFLEX	WXG008-15	See Note 3	
Weinschel	Attenuator	23-3-34	WXG008-16	See Note 3	
Anritsu	Directional Coupler	MP654A	WXG008-17	See Note 3	
SPEAG	Dielectric Assessment Kit	3.5 Probe	WXG008-7	See Note 4	
SPEAG	DAK Measurement Software	DAK	Version: DAK 3.5	N.C.R	
TXC	Broadband Amplifier	BBA018000	WXG008-11	See Note 5	

Note:

1. The calibration certificate of DASY can be referred to appendix C of this report.
2. Referring to KDB 865664 D01v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval.
3. The Insertion Loss calibration of Dual Directional Coupler and Attenuator were characterized via the network analyzer and compensated during system check.
4. The dielectric probe kit was calibrated via the network analyzer, with the specified procedure (calibrated in pure water) and calibration kit (standard) short circuit, before the dielectric measurement. The specific procedure and calibration kit are provided by Speag.
5. In system check we need to monitor the level on the power meter, and adjust the power amplifier level to have precise power level to the dipole; the measured SAR will be normalized to 1 W input power according to the ratio of 1 W to the input power to the dipole. For system check, the calibration of the power amplifier is deemed not critically required for correct measurement; the power meter is critical and we do have calibration for it
6. Attenuator insertion loss is calibrated by the network Analyzer, which the calibration is valid, before system check.
7. N.C.R means No Calibration Requirement.

9 Tissue Simulating Liquids

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 9.1, for body SAR testing, the liquid height from the center of the flat phantom to liquid top surface is larger than 15 cm, which is shown in Fig. 9.2.

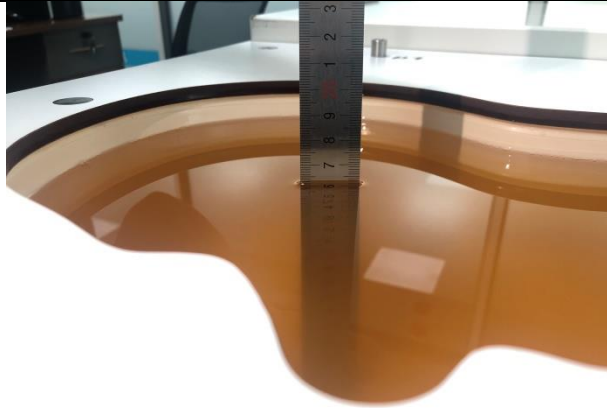


Fig. 9.1 Photo of Liquid Height for Head SAR

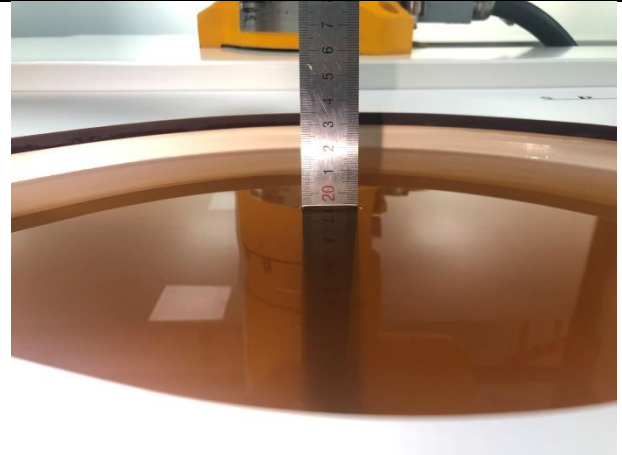


Fig. 9.2 Photo of Liquid Height for Body SAR

The relative permittivity and conductivity of the tissue material should be within $\pm 5\%$ of the values given in the table below recommended by the FCC OET 65 supplement C and RSS 102 Issue 5.

Target Frequency (MHz)	ϵ_r	σ (S/m)
150	52.3	0.76
300	45.3	0.87
450	43.5	0.87
835	41.5	0.90
900	41.5	0.97
915	41.5	0.98
1450	40.5	1.20
1610	40.3	1.29
1800-2000	40.0	1.40
2450	39.2	1.80
3000	38.5	2.40
5800	35.3	5.27

(ϵ_r = relative permittivity, σ = conductivity and $\rho = 1000 \text{ kg/m}^3$)

The dielectric parameters of liquids were verified prior to the SAR evaluation using a Speag Dielectric Probe Kit and an Agilent Network Analyzer.

The following table shows the measuring results for simulating liquid.

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target(σ)	Permittivity Target(ϵ_r)	Delta (σ)%	Delta (ϵ_r)%	Limit (%)	Date (mm/dd/yy)
750	22.1	0.87	43.35	0.89	41.90	-2.25	3.46	±5	3.23.2026
835	22.2	0.89	42.86	0.90	41.50	-1.11	3.28	±5	3.25.2026
1750	22.2	1.39	40.52	1.37	40.10	1.46	1.05	±5	3.27.2026
1900	22.1	1.42	40.14	1.40	40.00	1.43	0.35	±5	3.30.2026
2450	22.0	1.83	39.78	1.80	39.20	1.67	1.48	±5	4.01.2026
2600	22.0	1.97	39.53	1.96	39.00	0.51	1.36	±5	4.01.2026
2600	22.3	2.00	39.96	1.96	39.00	2.04	2.46	±5	4.06.2026
3500	22.1	2.80	37.97	2.91	37.90	-3.78	0.18	±5	4.14.2026
3700	22.1	3.01	37.57	3.12	37.70	-3.53	-0.34	±5	4.15.2026
3900	22.1	3.25	37.19	3.32	37.50	-2.11	-0.83	±5	4.15.2026
5200	22.3	4.67	34.81	4.66	36.00	0.21	-3.31	±5	4.08.2026
5300	22.3	4.77	35.09	4.76	35.90	0.21	-2.26	±5	4.08.2026
5600	22.5	5.08	34.40	5.07	35.50	0.20	-3.10	±5	4.09.2026
5800	22.5	5.30	34.03	5.27	35.30	0.57	-3.60	±5	4.09.2026

10 SAR System Verification

Each DASY system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the DASY software, enable the user to conduct the system performance check and system validation. System validation kit includes a dipole, tripod holder to fix it underneath the flat phantom and a corresponding distance holder.

➤ Purpose of System Performance check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source. This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

➤ System Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:

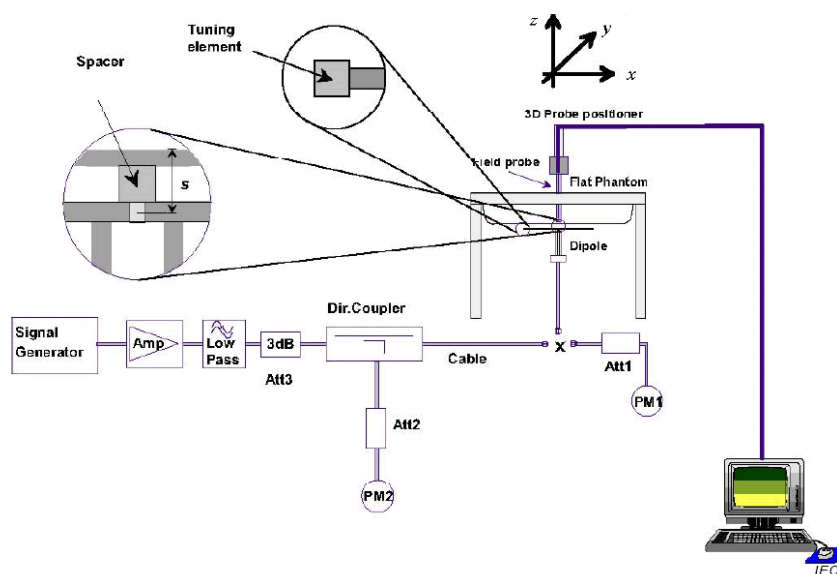


Fig.10.1 System Verification Setup Diagram

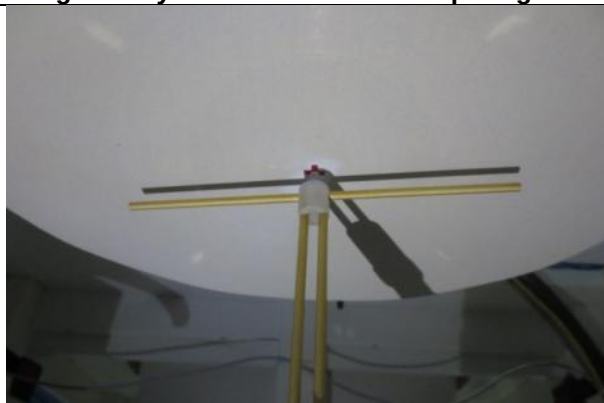


Fig.10.2 Photo of Dipole setup



➤ System Verification Results

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10%. The table as below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix C of this report.

Date (mm/dd/yy)	Frequency (MHz)	Power fed onto dipole (mW)	Measured 1g SAR (W/kg)	Normalized to 1W 1g SAR (W/kg)	1W Target 1g SAR (W/kg)	Deviation (%)
3.23.2026	750	80	0.715	8.94	8.55	4.56
3.25.2026	835	80	0.813	10.16	9.58	6.05
3.27.2026	1750	40	1.570	39.25	36.5	7.53
3.30.2026	1900	40	1.720	43.00	39.7	8.31
4.01.2026	2450	40	2.250	56.25	52.1	7.97
4.01.2026	2600	40	2.450	61.25	56.3	8.79
4.06.2026	2600	40	2.430	60.75	56.3	7.90
4.14.2026	3500	40	2.410	60.25	66.2	-8.99
4.15.2026	3700	40	2.530	63.25	66.5	-4.89
4.15.2026	3900	40	2.580	64.50	68.0	-5.15
4.08.2026	5200	40	3.320	83.00	77.00	7.79
4.08.2026	5300	40	3.430	85.75	79.20	8.27
4.09.2026	5600	40	3.580	89.50	81.90	9.28
4.09.2026	5800	40	3.440	86.00	78.90	9.00

11 EUT Testing Position

This EUT was tested in ten different positions. They are right cheek/right tilted/left cheek/left tilted for head, Front/Back/Right Side/Top Side/Bottom Side of the EUT with phantom 10 mm gap, as illustrated below, please refer to Appendix B for the test setup photos.

11.1 Handset Reference Points

- The vertical centreline passes through two points on the front side of the handset – the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centreline and passes the center of the acoustic output. The horizontal line is also tangential to the handset at point A.
- The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centreline is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



Fig.11.1 Illustration for Front, Back and Side of SAM Phantom

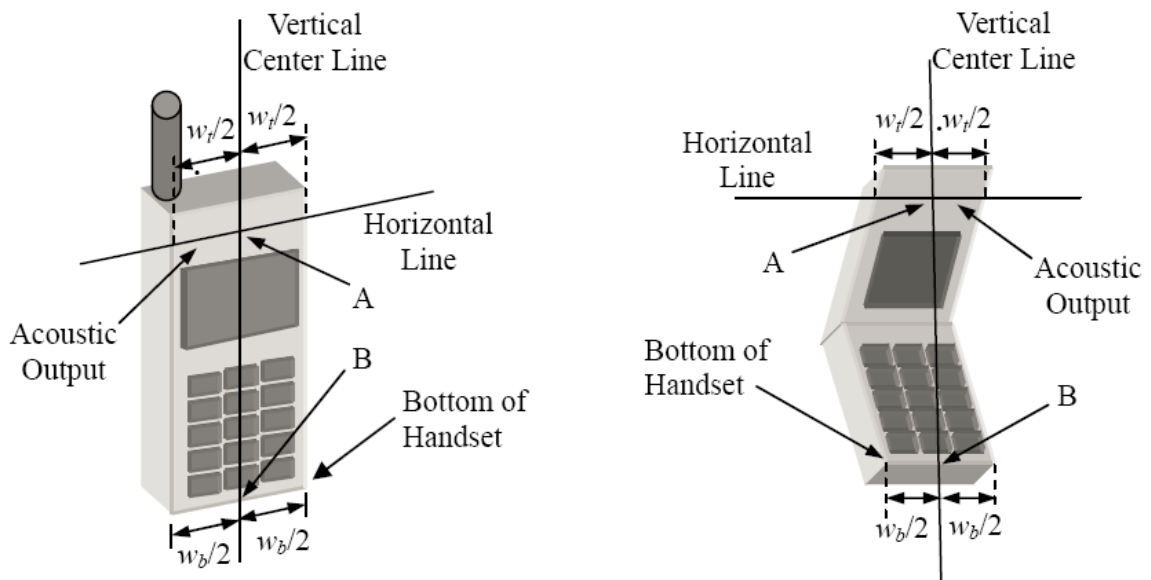


Fig. 11.2 Illustration for Handset Vertical and Horizontal Reference Lines

11.2 Positioning for Cheek / Touch

- To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost (see below figure)



Fig. 11.3 Illustration for Cheek Position

11.3 Positioning for Ear / 15o Tilt

- To position the device in the “cheek” position described above.
- While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost (see figure below).



Fig.11.4 Illustration for Tilted Position

11.4 SAR Evaluations near the Mouth/Jaw Regions of the SAM Phantom

Antennas located near the bottom of a phone may require SAR measurements around the mouth and jaw regions of the SAM head phantom. This typically applies to clam-shell style phones that are generally longer in the unfolded normal use positions or to certain older style long rectangular phones.

Under these circumstances, the following procedures apply, adopted from the FCC guidance on SAR handsets document FCC KDB Publication 648474 D04v01r03. The SAR required in these regions of SAM should be measured using a flat phantom. The phone should be positioned with a separation distance of 4 mm between the ear reference point (ERP) and the outer surface of the flat phantom shell. While maintaining this distance at the ERP location, the low (bottom) edge of the phone should be lowered from the phantom to establish the same separation distance between the peak SAR locations identified by the truncated partial SAR distribution measured with the SAM phantom. The distance from the peak SAR location to the phone is determined by the straight line passing perpendicularly through the phantom surface. When it is not feasible to maintain 4 mm separation at the ERP while also establishing the required separation at the peak SAR location, the top edge of the phone will be allowed to touch the phantom with a separation < 4 mm at the ERP. The phone should not be tilted to the left or right while placed in this inclined position to the flat phantom.

11.5 Body Worn Accessory Configurations

- To position the device parallel to the phantom surface with either keypad up or down.
- To adjust the device parallel to the flat phantom.
- To adjust the distance between the device surface and the flat phantom to 10 mm or holster surface and the flat phantom to 0 mm.

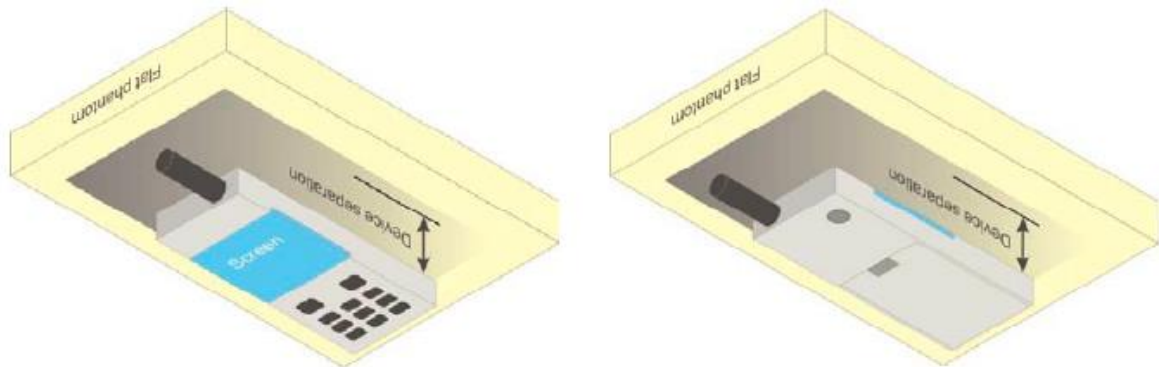


Fig.11.5 Illustration for Body Worn Position

11.6 Wireless Router (Hotspot) Configurations

Some battery-operated handsets have the capability to transmit and receive internet connectivity through simultaneous transmission of WIFI in conjunction with a separate licensed transmitter. The FCC has provided guidance in KDB Publication 941225 D06 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10 mm from the front, back and edges of the device with antennas 2.5 cm or closer to the edge of the device, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. Therefore, SAR must be evaluated for each frequency transmission and mode separately and summed with the WIFI transmitter according to KDB 648474 publication procedures. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.

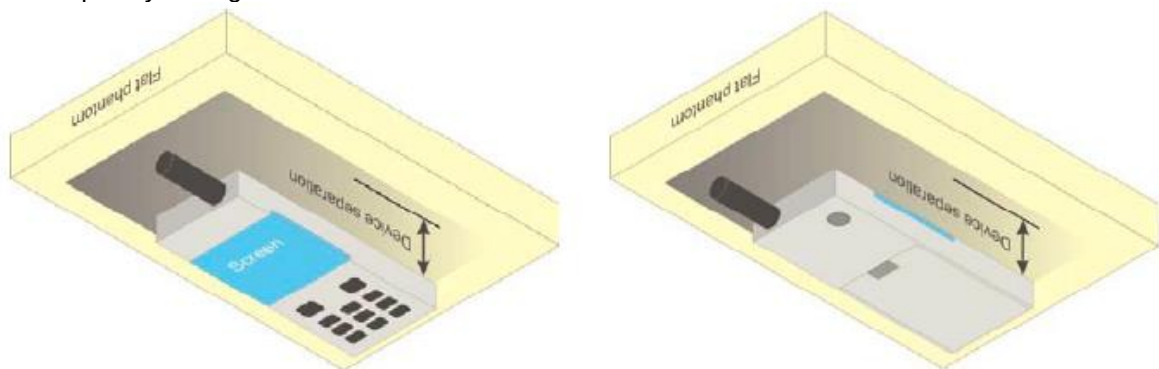


Fig.11.6 Illustration for Hotspot Position

12 Measurement Procedures

The measurement procedures are as below:

<Conducted power measurement>

- For WWAN power measurement, use base station simulator to configure EUT WWAN transition in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- Read the WWAN RF power level from the base station simulator.
- For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band.
- Connect EUT RF port through RF cable to the power meter or spectrum analyzer, and measure WLAN/BT output power.

<Conducted power measurement>

- Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
- Place the EUT in positions as Appendix B demonstrates.
- Set scan area, grid size and other setting on the DASY software.
- Measure SAR results for the highest power channel on each testing position.
- Find out the largest SAR result on these testing positions of each band.
- Measure SAR results for other channels in worst SAR testing position if the Reported SAR or highest power channel is larger than 0.8 W/kg.

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- Power reference measurement
- Area scan
- Zoom scan
- Power drift measurement

12.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a “cube” measurement. The measured volume must include the 1g and 10 g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- Extraction of the measured data (grid and values) from the Zoom Scan.
- Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters).
- Generation of a high-resolution mesh within the measured volume.
- Interpolation of all measured values from the measurement grid to the high-resolution grid
- Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- Calculation of the averaged SAR within masses of 1g and 10g.

12.2 Power Reference Measurement

The Power Reference Measurement and Power Drift Measurement are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

12.3 Area & Zoom Scan Procedures

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom} , Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <u>reported</u> SAR from the <u>area scan based 1-g SAR estimation</u> procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

12.4 Volume Scan Procedures

The volume scan is used to assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remains in the same test position for all measurements and all volume scans use the same spatial resolution and grid spacing. When all volume scans are completed, the software, SEMCAD post-processor scan combines and subsequently superposes these measurement data to calculate the multiband SAR.

12.5 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1g and 10g cubes, the extrapolation distance should not be larger than 5 mm.

12.6 Power Drift Monitoring

All SAR testing is under the EUT installed full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

13 Conducted RF Output Power

The detailed conducted power table can refer to Appendix D Conducted RF Output Power.

13.1 GSM 850 Conducted Power

Remark:

- The frame-averaged power is linearly reported the maximum burst averaged power over 8 time slots. The calculated method are shown as below:
The duty cycle "x" of different time slots as below:
1 TX slot is 1/8, 2 TX slots is 2/8, 3 TX slots is 3/8 and 4 TX slots is 4/8
Based on the calculation formula:
Frame-averaged power = Burst averaged power + 10 log (x)
So,
Frame-averaged power (1 TX slot) = Burst averaged power (1 TX slot)– 9.03
Frame-averaged power (2 TX slots) = Burst averaged power (2 TX slots)– 6.02
Frame-averaged power (3 TX slots) = Burst averaged power (3 TX slots)– 4.26
Frame-averaged power (4 TX slots) = Burst averaged power (4 TX slots) – 3.01
- CS1 coding scheme was used in GPRS conducted power measurements and SAR testing, MCS5 coding scheme was used in EGPRS conducted power measurements and SAR testing (if necessary).

Note:

- For Head SAR testing, GSM Voice mode should be evaluated, therefore the EUT was set in GSM 850 Voice mode.
- For Body worn SAR testing and Hotspot mode SAR testing, GPRS and EGPRS mode should be evaluated, therefore the EUT was set in GPRS 2 TX slots(ANT3)/ GPRS 4 TX slots(ANT1) mode due to the highest frame-averaged power.
- For GPRS multi time slots SAR measurement, when the measured maximum output power levels are within 0.25 dB of each other, test the configuration with the most number of time slots.
- Per KDB447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.

13.2 GSM 1900 Conducted Power

Remark:

- The frame-averaged power is linearly reported the maximum burst averaged power over 8 time slots. The calculated method are shown as below:
The duty cycle "x" of different time slots as below:
1 TX slot is 1/8, 2 TX slots is 2/8, 3 TX slots is 3/8 and 4 TX slots is 4/8
Based on the calculation formula:
Frame-averaged power = Burst averaged power + 10 log (x)
So,
Frame-averaged power (1 TX slot) = Burst averaged power (1 TX slot)– 9.03
Frame-averaged power (2 TX slots) = Burst averaged power (2 TX slots)– 6.02
Frame-averaged power (3 TX slots) = Burst averaged power (3 TX slots)– 4.26
Frame-averaged power (4 TX slots) = Burst averaged power (4 TX slots) – 3.01
- CS1 coding scheme was used in GPRS conducted power measurements and SAR testing, MCS5 coding scheme was used in EGPRS conducted power measurements and SAR testing (if necessary).

Note:

- For Head SAR testing, GSM Voice mode should be evaluated, therefore the EUT was set in PCS 1900 Voice mode.
- For Body worn SAR testing and Hotspot mode SAR testing, GPRS and EGPRS mode should be evaluated, therefore the EUT was set in GPRS 2 TX slots(ANT2)/ GPRS 4 TX slots(ANT5) mode due to the highest frame-averaged power.
- Per KDB447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.

13.3 WCDMA Conducted Power

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

HSDPA Setup Configuration:

- a. The EUT was connected to Base Station Rohde & Schwarz CMU200 referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
 - i. Set Gain Factors (β_c and β_d) and parameters were set according to each
 - ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - iii. Set RMC 12.2kbps + HSDPA mode.
 - iv. Set Cell Power = -86 dBm
 - v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
 - vi. Select HSDPA Uplink Parameters
 - vii. Set Delta ACK, Delta NACK and Delta CQI = 8
 - viii. Set Ack-Nack Repetition Factor to 3
 - ix. Set CQI Feedback Cycle (k) to 4 ms
 - x. Set CQI Repetition Factor to 2
 - xi. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

Table 1

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	$\beta_{hs}^{(1)}$	CM (dB) ⁽²⁾
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15 ⁽³⁾	15/15 ⁽³⁾	64	12/15 ⁽³⁾	24/15	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$
 Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$.
 Note 3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

HSDPA Sub-test setup configuration

HSUPA Setup Configuration:

- a. The EUT was connected to Base Station Rohde & Schwarz CMU200 referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting * :
 - i. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
 - ii. Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
 - iii. Set Cell Power = -86 dBm
 - iv. Set Channel Type = 12.2k + HSPA
 - v. Set UE Target Power
 - vi. Power Ctrl Mode= Alternating bits
 - vii. Set and observe the E-TFCI
 - viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
- d. The transmitted maximum output power was recorded.

Table 2

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	$\beta_{hs}^{(1)}$	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM ⁽²⁾ (dB)	MPR (dB)	AG ⁽⁴⁾ Index	E-TFCI
1	11/15 ⁽³⁾	15/15 ⁽³⁾	64	11/15 ⁽³⁾	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 ⁽⁴⁾	15/15 ⁽⁴⁾	64	15/15 ⁽⁴⁾	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14/15$ and $\beta_d = 15/15$.

Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.

Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

HSUPA Sub-test setup configuration

Note:

1. Applying the subtest setup in Table C.11.1.3 of 3GPP TS 34.121-1
2. Per KDB 941225 D01, RMC 12.2kbps mode is used to evaluate SAR due the highest output power. If AMR 12.2 kbps power is < 0.25dB higher than RMC 12.2kbps, SAR tests with AMR 12.2 kbps can be excluded.
3. AMR, HSDPA RF power will not be larger than RMC 12.2kbps, detailed information is included in Tune-up Procure exhibit.

13.4 LTE Conducted Power

13.4.1 Largest channel bandwidth standalone SAR test requirements

QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.⁸ When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

QPSK with 50% RB allocation

The procedures required for 1 RB allocation in section 4.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.⁹

QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in sections 4.2.1 and 4.2.2 are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

Higher order modulations

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 4.2.1, 5.2.2 and 4.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> ?$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

13.4.2 Other channel bandwidth standalone SAR test requirements

For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 4.2 to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> ?$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth. For example, 50 RB in 10 MHz channel bandwidth does not apply to 5 MHz channel bandwidth; therefore, this cannot be tested in the smaller channel bandwidth. However, 50% RB allocation in 10 MHz channel bandwidth is equivalent to 100% RB allocation in 5 MHz channel bandwidth; therefore, these are the equivalent configurations to be compared to determine the specific channel and configuration in the smaller channel bandwidth that need SAR testing.

13.3.3 TDD LTE configuration setup for SAR measurement

According to KDB 941225 D05v02r03 and April 2013 TCB workshop slides, SAR must be tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- see 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- “special subframe S” contains both uplink and downlink transmissions and must be taken into consideration to determine the transmission duty factor
 - according to the worst case uplink and downlink cyclic prefix requirements for UpPTS to determine the highest SAR test duty factor

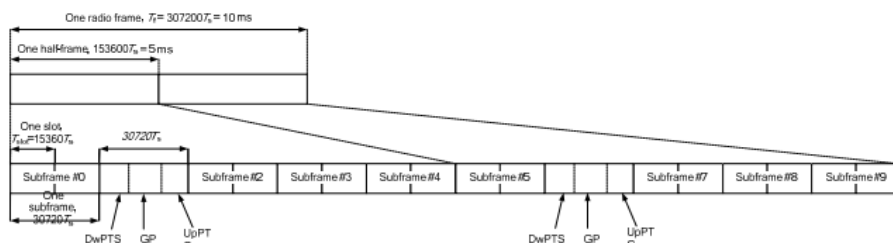


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$		
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Per 3GPP 36.211 section 4.2, each radio frame of length $T_F = 307200 T_s = 10$ ms consists of two half-frames of length $153600 T_s = 5$ ms each. Each half-frame consists of five subframes of length $30720 T_s = 1$ ms. So, the uplink duty factor in special subframe as below:

Special Subframe configuration	Normal cyclic prefix in downlink		Extended cyclic prefix in downlink	
	Duty factor of Uplink		Duty factor of Uplink	
	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	7.14%	8.33%	7.14%	8.33%
1	7.14%	8.33%	7.14%	8.33%
2	7.14%	8.33%	7.14%	8.33%
3	7.14%	8.33%	7.14%	8.33%
4	7.14%	8.33%	14.27%	16.67%
5	14.27%	16.67%	14.27%	16.67%
6	14.27%	16.67%	14.27%	16.67%
7	14.27%	16.67%	14.27%	16.67%
8	14.27%	16.67%	/	/
9	14.27%	16.67%	/	/

Table 4.2-2: Uplink-downlink configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

According to above table:

1. The highest duty factor is configuration 0;
2. The duty factor of uplink in one half-frame with normal cyclic prefix is: $(3\text{ms} + 0.143\text{ms})/5\text{ms}=62.86\%$;
3. The duty factor of uplink in one half-frame with extended cyclic prefix is: $(3\text{ms} + 0.167\text{ms})/5\text{ms}=63.34\%$;
4. For purpose to get the worst case SAR test duty factor, the duty factor of normal cyclic prefix in uplink scaled-up to the extended cyclic prefix in uplink, the scaling factor is $63.34\%/62.86\%=1.008$, and the scaling factor will be taken into the final measured SAR.

Note:

1. Per KDB 447498 D01v06 section 4.1, the required test channels number is 5 for LTE Band 41.

13.5 NR Conducted Power

Note:

1. 5G NR n7/n38/n41/n66/n77/n78 supports NSA; n5/n7/n12/n38/n41/n66/n77/n78 supports SA.
2. 5G NR n77/n78 supports HPUE.
3. SAR testing start with the largest channel bandwidth and measure SAR for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. 50% RB allocation for PI/2 BPSK SAR testing follows 1RB PI/2 BPSK allocation procedure.
5. QPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not 1/2 dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
6. Smaller bandwidth output power for each RB allocation configuration for this device will not 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is less than 1.45 W/kg, smaller bandwidth SAR testing is no required for this device.

13.6 WLAN 2.4 GHz Band Conducted Power

Note:

1. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
2. Per KDB 248227 D01v02r02, In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. SAR is not required for the following 2.4 GHz OFDM conditions:
 - 1) When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.
 - 2) When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
3. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
4. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.

13.7 WLAN 5.2GHz Band Conducted Power

Note:

1. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
2. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
3. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.

13.8 WLAN 5.3GHz Band Conducted Power

1. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
2. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
3. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.

13.9 WLAN 5.6GHz Band Conducted Power

Note:

1. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
2. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
3. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.

13.10 WLAN 5.8GHz Band Conducted Power

Note:

1. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
2. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
3. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.

13.11 Bluetooth Conducted Power

Note:

1. The output power of all data rate were pre-scan, just the worst case of all mode were shown in report.

13.12 NFC Conducted Power

Conducted Power (dBm)	
Frequency (MHz)	ASK
13.56	0.000007

Note:

1. Per KDB 447498 D01v06 section 2.1.2: 1-mW Test Exemption, SAR test for NFC is not required.

dBm	mW
0.000007	-51.50

2. The output power of all data rate were pre-scan, just the worst case of all mode were shown in report.

14 Exposure Positions Consideration

14.1 EUT Antenna Locations

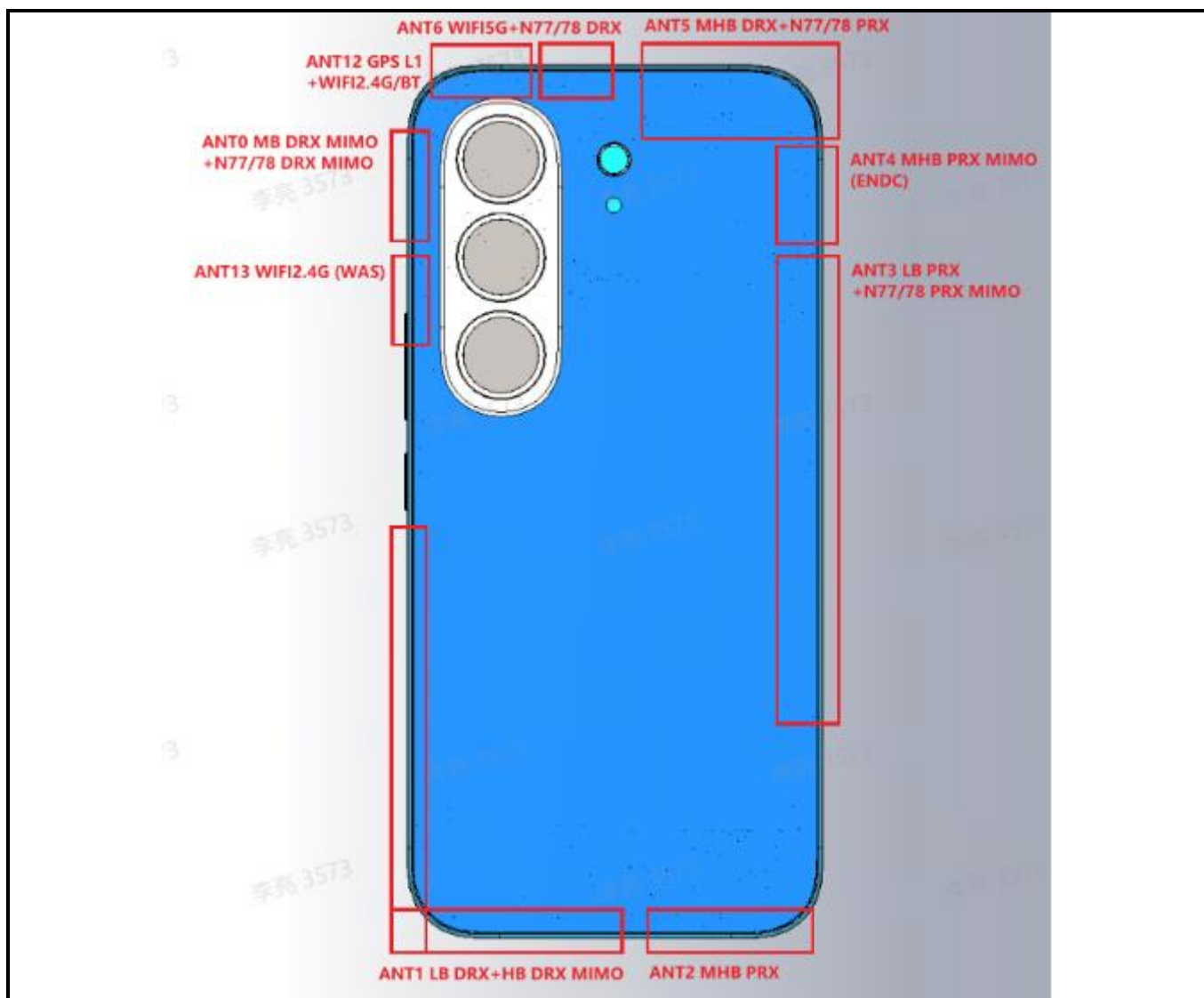


Fig.14.1 EUT Antenna Locations

Note: This antenna diagram is only used as a reference for the distance from the antenna to each edge. For the specific shape of the antenna, please refer to the physical photo.

14.2 Test Positions Consideration

Distance of Antennas to EUT edge/surface Test distance: 10mm						
Antennas	Front	Back	Left Side	Right Side	Top Side	Bottom Side
ANT 1	<25mm	<25mm	35mm	<25mm	88mm	<25mm
ANT 2	<25mm	<25mm	<25mm	40mm	190mm	<25mm
ANT 3	<25mm	<25mm	<25mm	70mm	35mm	40mm
ANT 4	<25mm	<25mm	<25mm	70mm	<25mm	130mm
ANT 5	<25mm	<25mm	<25mm	40mm	<25mm	150mm
ANT 6	<25mm	<25mm	40mm	<25mm	<25mm	150mm
ANT 12	<25mm	<25mm	53mm	<25mm	<25mm	150mm
ANT 13	<25mm	<25mm	70mm	<25mm	<25mm	110mm

Test Positions Test distance: 10mm						
Antennas	Front	Back	Left Side	Right Side	Top Side	Bottom Side
ANT 1	YES	YES		YES		YES
ANT 2	YES	YES	YES			YES
ANT 3	YES	YES	YES			
ANT 4	YES	YES	YES		YES	
ANT 5	YES	YES	YES		YES	
ANT 6	YES	YES		YES	YES	
ANT 12	YES	YES		YES	YES	
ANT 13	YES	YES		YES		

Note:

1. Head/Body-worn/Hotspot mode SAR assessments are required.
2. Referring to KDB 941225 D06 v02r01, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test distance is 10mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.
3. Per KDB 447498 D01v06, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user, which is 0 mm for head SAR, 10 mm for hotspot SAR, and 10 mm for body-worn SAR.
4. Per KDB 648474 D04 v01r03, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR $> 1.2\text{ W/kg}$

15 SAR Test Results Summary

15.1 Standalone Head SAR Data

➤ GSM Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	GSM850/Voice	1	Right Cheek	190	836.6	32.00	-0.11	32.5	0.224	1.122	0.251
	GSM850/Voice	1	Right Tilted	190	836.6	32.00	-0.10	32.5	0.047	1.122	0.053
	GSM850/Voice	1	Left Cheek	190	836.6	32.00	0.02	32.5	0.099	1.122	0.111
	GSM850/Voice	1	Left Tilted	190	836.6	32.00	-0.04	32.5	0.035	1.122	0.039
	GSM850/Voice	3	Right Cheek	128	824.2	33.40	0.00	34.0	0.329	1.148	0.378
	GSM850/Voice	3	Right Tilted	128	824.2	33.40	-0.08	34.0	0.074	1.148	0.085
1	GSM850/Voice	3	Left Cheek	128	824.2	33.40	0.08	34.0	0.534	1.148	0.613
	GSM850/Voice	3	Left Tilted	128	824.2	33.40	-0.06	34.0	0.057	1.148	0.065
	PCS1900/Voice	2	Right Cheek	810	1909.8	29.38	0.04	29.5	0.017	1.028	0.017
	PCS1900/Voice	2	Right Tilted	810	1909.8	29.38	-0.09	29.5	0.008	1.028	0.008
	PCS1900/Voice	2	Left Cheek	810	1909.8	29.38	0.08	29.5	0.023	1.028	0.024
	PCS1900/Voice	2	Left Tilted	810	1909.8	29.38	0.03	29.5	0.002	1.028	0.002
	PCS1900/Voice	5	Right Cheek	810	1909.8	28.29	0.08	28.5	0.445	1.05	0.467
2	PCS1900/Voice	5	Right Tilted	810	1909.8	28.29	0.19	28.5	0.466	1.05	0.489
	PCS1900/Voice	5	Left Cheek	810	1909.8	28.29	-0.07	28.5	0.267	1.05	0.280
	PCS1900/Voice	5	Left Tilted	810	1909.8	28.29	0.03	28.5	0.351	1.05	0.369
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ WCDMA Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band II/RMC	2	Right Cheek	9538	1907.6	22.89	-0.07	23.0	0.057	1.026	0.058
	Band II/RMC	2	Right Tilted	9538	1907.6	22.89	0.09	23.0	0.018	1.026	0.018
	Band II/RMC	2	Left Cheek	9538	1907.6	22.89	0.07	23.0	0.070	1.026	0.072
	Band II/RMC	2	Left Tilted	9538	1907.6	22.89	-0.15	23.0	0.033	1.026	0.034
	Band II/RMC	5	Right Cheek	9400	1880	22.07	0.12	22.5	0.860	1.104	0.949
	Band II/RMC	5	Right Tilted	9400	1880	22.07	0.02	22.5	0.994	1.104	1.097
	Band II/RMC	5	Left Cheek	9400	1880	22.07	0.11	22.5	0.590	1.104	0.651
	Band II/RMC	5	Left Tilted	9400	1880	22.07	0.09	22.5	0.762	1.104	0.841
	Band II/RMC	5	Right Cheek	9262	1852.4	21.89	-0.05	22.5	0.930	1.151	1.070
	Band II/RMC	5	Right Tilted	9538	1907.6	22.05	-0.08	22.5	0.894	1.109	0.991
3	Band II/RMC	5	Right Tilted	9262	1852.4	21.89	0.12	22.5	1.020	1.151	1.174
	Band II/RMC	5	Right Tilted	9262	1852.4	21.89	0.05	22.5	0.988	1.151	1.137
	Band II/RMC	5	Right Tilted	9538	1907.6	22.05	0.04	22.5	0.970	1.109	1.076
	Band IV/RMC	2	Right Cheek	1413	1732.6	22.59	0.04	23.0	0.103	1.099	0.113
	Band IV/RMC	2	Right Tilted	1413	1732.6	22.59	0.09	23.0	0.051	1.099	0.056
	Band IV/RMC	2	Left Cheek	1413	1732.6	22.59	-0.18	23.0	0.118	1.099	0.130
	Band IV/RMC	2	Left Tilted	1413	1732.6	22.59	0.17	23.0	0.043	1.099	0.047
4	Band IV/RMC	5	Right Cheek	1413	1732.6	22.54	0.11	23.0	0.643	1.112	0.715
	Band IV/RMC	5	Right Tilted	1413	1732.6	22.54	0.09	23.0	0.584	1.112	0.649
	Band IV/RMC	5	Left Cheek	1413	1732.6	22.54	0.05	23.0	0.348	1.112	0.387
	Band IV/RMC	5	Left Tilted	1413	1732.6	22.54	-0.01	23.0	0.392	1.112	0.436
	Band V/RMC	1	Right Cheek	4132	826.4	23.04	0.07	23.5	0.088	1.112	0.098
	Band V/RMC	1	Right Tilted	4132	826.4	23.04	-0.05	23.5	0.032	1.112	0.036
	Band V/RMC	1	Left Cheek	4132	826.4	23.04	-0.09	23.5	0.062	1.112	0.069
	Band V/RMC	1	Left Tilted	4132	826.4	23.04	0.02	23.5	0.026	1.112	0.029
	Band V/RMC	3	Right Cheek	4132	826.4	23.58	-0.09	24.0	0.213	1.102	0.235
	Band V/RMC	3	Right Tilted	4132	826.4	23.58	0.06	24.0	0.037	1.102	0.041
5	Band V/RMC	3	Left Cheek	4132	826.4	23.58	-0.07	24.0	0.271	1.102	0.299
	Band V/RMC	3	Left Tilted	4132	826.4	23.58	0.08	24.0	0.031	1.102	0.034
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 2(20MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band2/1RB#99	2	Right Cheek	18700	1860	23.79	-0.04	24.5	0.029	1.178	0.034
	Band2/1RB#99	2	Right Tilted	18700	1860	23.79	0.03	24.5	0.021	1.178	0.025
	Band2/1RB#99	2	Left Cheek	18700	1860	23.79	0.02	24.5	0.097	1.178	0.114
	Band2/1RB#99	2	Left Tilted	18700	1860	23.79	-0.04	24.5	0.057	1.178	0.067
	Band2/1RB#0	5	Right Cheek	18900	1880	24.42	0.08	25.0	0.506	1.143	0.578
6	Band2/1RB#0	5	Right Tilted	18900	1880	24.42	0.03	25.0	0.532	1.143	0.608
	Band2/1RB#0	5	Left Cheek	18900	1880	24.42	0.04	25.0	0.386	1.143	0.441
	Band2/1RB#0	5	Left Tilted	18900	1880	24.42	-0.02	25.0	0.443	1.143	0.506
	Band2ENDC/1RB#0	4	Right Cheek	18900	1880	21.42	-0.08	22.0	0.247	1.143	0.282
	Band2ENDC/1RB#0	4	Right Tilted	18900	1880	21.42	-0.03	22.0	0.143	1.143	0.163
	Band2ENDC/1RB#0	4	Left Cheek	18900	1880	21.42	-0.02	22.0	0.193	1.143	0.221
	Band2ENDC/1RB#0	4	Left Tilted	18900	1880	21.42	0.02	22.0	0.101	1.143	0.115
	Band2/50%RB#0	2	Right Cheek	18900	1880	22.95	0.00	23.5	0.015	1.135	0.017
	Band2/50%RB#0	2	Right Tilted	18900	1880	22.95	0.09	23.5	0.010	1.135	0.011
	Band2/50%RB#0	2	Left Cheek	18900	1880	22.95	0.20	23.5	0.071	1.135	0.081
	Band2/50%RB#0	2	Left Tilted	18900	1880	22.95	0.10	23.5	0.039	1.135	0.044
	Band2/50%RB#49	5	Right Cheek	18900	1880	23.35	0.06	23.5	0.474	1.135	0.538
	Band2/50%RB#49	5	Right Tilted	18900	1880	23.35	0.03	23.5	0.453	1.135	0.514
	Band2/50%RB#49	5	Left Cheek	18900	1880	23.35	0.09	23.5	0.291	1.135	0.330
	Band2/50%RB#49	5	Left Tilted	18900	1880	23.35	0.00	23.5	0.334	1.135	0.379
	Band2ENDC/50%RB#0	4	Right Cheek	18900	1880	20.36	0.06	20.5	0.204	1.033	0.211
	Band2ENDC/50%RB#0	4	Right Tilted	18900	1880	20.36	0.08	20.5	0.113	1.033	0.117
	Band2ENDC/50%RB#0	4	Left Cheek	18900	1880	20.36	0.02	20.5	0.171	1.033	0.177
	Band2ENDC/50%RB#0	4	Left Tilted	18900	1880	20.36	0.03	20.5	0.083	1.033	0.086
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 4(20MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band4/1RB#99	2	Right Cheek	20050	1720	23.26	-0.03	23.5	0.037	1.057	0.039
	Band4/1RB#99	2	Right Tilted	20050	1720	23.26	0.08	23.5	0.010	1.057	0.011
	Band4/1RB#99	2	Left Cheek	20050	1720	23.26	0.09	23.5	0.141	1.057	0.149
	Band4/1RB#99	2	Left Tilted	20050	1720	23.26	0.03	23.5	0.055	1.057	0.058
7	Band4/1RB#99	5	Right Cheek	20050	1720	23.99	0.08	24.5	0.475	1.125	0.534
	Band4/1RB#99	5	Right Tilted	20050	1720	23.99	0.04	24.5	0.383	1.125	0.431
	Band4/1RB#99	5	Left Cheek	20050	1720	23.99	-0.09	24.5	0.320	1.125	0.360
	Band4/1RB#99	5	Left Tilted	20050	1720	23.99	-0.02	24.5	0.323	1.125	0.363
	Band4ENDC/1RB#99	4	Right Cheek	20050	1720	21.01	0.00	21.5	0.309	1.119	0.346
	Band4ENDC/1RB#99	4	Right Tilted	20050	1720	21.01	0.07	21.5	0.168	1.119	0.188
	Band4ENDC/1RB#99	4	Left Cheek	20050	1720	21.01	0.02	21.5	0.274	1.119	0.307
	Band4ENDC/1RB#99	4	Left Tilted	20050	1720	21.01	0.03	21.5	0.141	1.119	0.158
	Band4/50%RB#0	2	Right Cheek	20300	1745	22.23	0.00	22.5	0.028	1.064	0.030
	Band4/50%RB#0	2	Right Tilted	20300	1745	22.23	0.02	22.5	0.008	1.064	0.009
	Band4/50%RB#0	2	Left Cheek	20300	1745	22.23	0.02	22.5	0.104	1.064	0.111
	Band4/50%RB#0	2	Left Tilted	20300	1745	22.23	0.13	22.5	0.040	1.064	0.043
	Band4/50%RB#0	5	Right Cheek	20175	1732.5	23.18	-0.04	23.5	0.423	1.076	0.455
	Band4/50%RB#0	5	Right Tilted	20175	1732.5	23.18	0.03	23.5	0.373	1.076	0.401
	Band4/50%RB#0	5	Left Cheek	20175	1732.5	23.18	-0.01	23.5	0.260	1.076	0.280
	Band4/50%RB#0	5	Left Tilted	20175	1732.5	23.18	-0.06	23.5	0.256	1.076	0.275
	Band4ENDC/50%RB#0	4	Right Cheek	20175	1732.5	20.20	-0.03	20.5	0.283	1.072	0.303
	Band4ENDC/50%RB#0	4	Right Tilted	20175	1732.5	20.20	-0.02	20.5	0.132	1.072	0.142
	Band4ENDC/50%RB#0	4	Left Cheek	20175	1732.5	20.20	-0.05	20.5	0.232	1.072	0.249
	Band4ENDC/50%RB#0	4	Left Tilted	20175	1732.5	20.20	0.00	20.5	0.109	1.072	0.117
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 5(10MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band5/1RB#0	1	Right Cheek	20525	836.5	24.16	0.03	24.5	0.134	1.081	0.145
	Band5/1RB#0	1	Right Tilted	20525	836.5	24.16	0.02	24.5	0.035	1.081	0.038
	Band5/1RB#0	1	Left Cheek	20525	836.5	24.16	0.09	24.5	0.078	1.081	0.084
	Band5/1RB#0	1	Left Tilted	20525	836.5	24.16	-0.08	24.5	0.032	1.081	0.035
	Band5/1RB#0	3	Right Cheek	20600	844	23.92	-0.07	24.5	0.451	1.143	0.515
	Band5/1RB#0	3	Right Tilted	20600	844	23.92	0.20	24.5	0.073	1.143	0.084
8	Band5/1RB#0	3	Left Cheek	20600	844	23.92	0.17	24.5	0.514	1.143	0.588
	Band5/1RB#0	3	Left Tilted	20600	844	23.92	0.07	24.5	0.084	1.143	0.096
	Band5/50%RB#12	1	Right Cheek	20525	836.52	23.12	0.02	23.5	0.129	1.091	0.141
	Band5/50%RB#12	1	Right Tilted	20525	836.52	23.12	0.00	23.5	0.030	1.091	0.033
	Band5/50%RB#12	1	Left Cheek	20525	836.52	23.12	0.09	23.5	0.067	1.091	0.073
	Band5/50%RB#12	1	Left Tilted	20525	836.52	23.12	0.05	23.5	0.028	1.091	0.031
	Band5/50%RB#12	3	Right Cheek	20525	836.52	22.82	0.09	23.0	0.377	1.042	0.393
	Band5/50%RB#12	3	Right Tilted	20525	836.52	22.82	0.03	23.0	0.061	1.042	0.064
	Band5/50%RB#12	3	Left Cheek	20525	836.52	22.82	0.04	23.0	0.431	1.042	0.449
	Band5/50%RB#12	3	Left Tilted	20525	836.52	22.82	-0.03	23.0	0.068	1.042	0.071
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 7(20MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band7/1RB#49	2	Right Cheek	20850	2510	24.11	0.00	24.5	0.009	1.094	0.010
	Band7/1RB#49	2	Right Tilted	20850	2510	24.11	0.04	24.5	<0.001*	1.094	<0.001*
	Band7/1RB#49	2	Left Cheek	20850	2510	24.11	-0.08	24.5	0.021	1.094	0.023
	Band7/1RB#49	2	Left Tilted	20850	2510	24.11	-0.02	24.5	0.003	1.094	0.003
	Band7/1RB#0	5	Right Cheek	20850	2510	24.32	0.17	24.5	0.138	1.042	0.144
	Band7/1RB#0	5	Right Tilted	20850	2510	24.32	0.09	24.5	0.219	1.042	0.228
	Band7/1RB#0	5	Left Cheek	20850	2510	24.32	0.06	24.5	0.163	1.042	0.170
	Band7/1RB#0	5	Left Tilted	20850	2510	24.32	0.05	24.5	0.118	1.042	0.123
	Band7ENDC/1RB#0	4	Right Cheek	20850	2510	21.33	-0.02	21.5	0.189	1.04	0.197
	Band7ENDC/1RB#0	4	Right Tilted	20850	2510	21.33	-0.03	21.5	0.054	1.04	0.056
	Band7ENDC/1RB#0	4	Left Cheek	20850	2510	21.33	-0.01	21.5	0.034	1.04	0.035
	Band7ENDC/1RB#0	4	Left Tilted	20850	2510	21.33	-0.09	21.5	0.008	1.04	0.008
	Band7/50%RB#49	2	Right Cheek	20850	2510	23.10	0.00	23.5	0.007	1.096	0.008
	Band7/50%RB#49	2	Right Tilted	20850	2510	23.10	-0.05	23.5	<0.001*	1.096	<0.001*
	Band7/50%RB#49	2	Left Cheek	20850	2510	23.10	0.00	23.5	0.011	1.096	0.012
	Band7/50%RB#49	2	Left Tilted	20850	2510	23.10	0.06	23.5	0.001	1.096	0.001
9	Band7/50%RB#0	5	Right Cheek	21350	2560	23.45	0.19	24.0	0.258	1.135	0.293
	Band7/50%RB#0	5	Right Tilted	21350	2560	23.45	0.14	24.0	0.169	1.135	0.192
	Band7/50%RB#0	5	Left Cheek	21350	2560	23.45	-0.15	24.0	0.135	1.135	0.153
	Band7/50%RB#0	5	Left Tilted	21350	2560	23.45	0.19	24.0	0.103	1.135	0.117
	Band7ENDC/50%RB#0	4	Right Cheek	21350	2560	20.45	0.05	21.0	0.145	1.135	0.165
	Band7ENDC/50%RB#0	4	Right Tilted	21350	2560	20.45	0.02	21.0	0.041	1.135	0.047
	Band7ENDC/50%RB#0	4	Left Cheek	21350	2560	20.45	0.01	21.0	0.025	1.135	0.028
	Band7ENDC/50%RB#0	4	Left Tilted	21350	2560	20.45	-0.05	21.0	0.005	1.135	0.006
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 12(10MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band12/1RB#0	1	Right Cheek	23060	704	24.07	0.09	24.5	0.080	1.104	0.088
	Band12/1RB#0	1	Right Tilted	23060	704	24.07	0.04	24.5	0.032	1.104	0.035
	Band12/1RB#0	1	Left Cheek	23060	704	24.07	0.09	24.5	0.059	1.104	0.065

	Band12/1RB#0	1	Left Tilted	23060	704	24.07	0.09	24.5	0.027	1.104	0.030
10	Band12/1RB#0	3	Right Cheek	23095	707.5	23.92	0.02	24.5	0.286	1.143	0.327
	Band12/1RB#0	3	Right Tilted	23095	707.5	23.92	0.07	24.5	0.046	1.143	0.053
	Band12/1RB#0	3	Left Cheek	23095	707.5	23.92	0.00	24.5	0.267	1.143	0.305
	Band12/1RB#0	3	Left Tilted	23095	707.5	23.92	0.03	24.5	0.038	1.143	0.043
	Band12/50%RB#0	1	Right Cheek	23060	704	23.04	0.03	23.5	0.073	1.112	0.081
	Band12/50%RB#0	1	Right Tilted	23060	704	23.04	0.03	23.5	0.026	1.112	0.029
	Band12/50%RB#0	1	Left Cheek	23060	704	23.04	0.01	23.5	0.048	1.112	0.053
	Band12/50%RB#0	1	Left Tilted	23060	704	23.04	0.08	23.5	0.022	1.112	0.024
	Band12/50%RB#0	3	Right Cheek	23060	704	22.92	0.04	23.5	0.229	1.143	0.262
	Band12/50%RB#0	3	Right Tilted	23060	704	22.92	0.02	23.5	0.037	1.143	0.042
	Band12/50%RB#0	3	Left Cheek	23060	704	22.92	0.07	23.5	0.182	1.143	0.208
	Band12/50%RB#0	3	Left Tilted	23060	704	22.92	0.01	23.5	0.029	1.143	0.033
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 13(10MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band13/1RB#49	1	Right Cheek	23230	782	24.28	0.07	24.5	0.132	1.052	0.139
	Band13/1RB#49	1	Right Tilted	23230	782	24.28	0.18	24.5	0.049	1.052	0.052
	Band13/1RB#49	1	Left Cheek	23230	782	24.28	0.02	24.5	0.097	1.052	0.102
	Band13/1RB#49	1	Left Tilted	23230	782	24.28	0.07	24.5	0.042	1.052	0.044
11	Band13/1RB#24	3	Right Cheek	23230	782	23.97	0.09	24.5	0.513	1.13	0.580
	Band13/1RB#24	3	Right Tilted	23230	782	23.97	0.06	24.5	0.084	1.13	0.095
	Band13/1RB#24	3	Left Cheek	23230	782	23.97	-0.07	24.5	0.107	1.13	0.121
	Band13/1RB#24	3	Left Tilted	23230	782	23.97	-0.03	24.5	0.018	1.13	0.020
	Band13/50%RB#0	1	Right Cheek	23230	782	23.23	0.06	23.5	0.125	1.064	0.133
	Band13/50%RB#0	1	Right Tilted	23230	782	23.23	0.03	23.5	0.041	1.064	0.044
	Band13/50%RB#0	1	Left Cheek	23230	782	23.23	0.05	23.5	0.078	1.064	0.083
	Band13/50%RB#0	1	Left Tilted	23230	782	23.23	0.06	23.5	0.035	1.064	0.037
	Band13/50%RB#12	3	Right Cheek	23230	782	22.96	0.09	23.5	0.363	1.132	0.411
	Band13/50%RB#12	3	Right Tilted	23230	782	22.96	0.04	23.5	0.059	1.132	0.067
	Band13/50%RB#12	3	Left Cheek	23230	782	22.96	-0.11	23.5	0.078	1.132	0.088
	Band13/50%RB#12	3	Left Tilted	23230	782	22.96	-0.09	23.5	0.013	1.132	0.015
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 17(10MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band17/1RB#0	1	Right Cheek	23780	709	23.98	0.04	24.5	0.097	1.127	0.109
	Band17/1RB#0	1	Right Tilted	23780	709	23.98	0.04	24.5	0.035	1.127	0.039
	Band17/1RB#0	1	Left Cheek	23780	709	23.98	0.07	24.5	0.072	1.127	0.081
	Band17/1RB#0	1	Left Tilted	23780	709	23.98	0.03	24.5	0.034	1.127	0.038
12	Band17/1RB#49	3	Right Cheek	23780	709	23.92	0.00	24.5	0.453	1.143	0.518
	Band17/1RB#49	3	Right Tilted	23780	709	23.92	0.05	24.5	0.073	1.143	0.083
	Band17/1RB#49	3	Left Cheek	23780	709	23.92	0.04	24.5	0.340	1.143	0.389
	Band17/1RB#49	3	Left Tilted	23780	709	23.92	0.02	24.5	0.057	1.143	0.065
	Band17/50%RB#24	1	Right Cheek	23780	709	22.98	0.09	23.5	0.074	1.127	0.083
	Band17/50%RB#24	1	Right Tilted	23780	709	22.98	0.05	23.5	0.027	1.127	0.030
	Band17/50%RB#24	1	Left Cheek	23780	709	22.98	0.03	23.5	0.055	1.127	0.062
	Band17/50%RB#24	1	Left Tilted	23780	709	22.98	0.01	23.5	0.025	1.127	0.028
	Band17/50%RB#24	3	Right Cheek	23780	709	22.87	0.05	23.0	0.295	1.03	0.304
	Band17/50%RB#24	3	Right Tilted	23780	709	22.87	0.03	23.0	0.051	1.03	0.053
	Band17/50%RB#24	3	Left Cheek	23780	709	22.87	0.06	23.0	0.260	1.03	0.268
	Band17/50%RB#24	3	Left Tilted	23780	709	22.87	0.09	23.0	0.047	1.03	0.048
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak						1.6 W/kg (mW/g) Averaged over 1g					

Uncontrolled Exposure/General Population

➤ TDD-LTE Band38(20MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	Band38/1RB#99	2	Right Cheek	37850	2580	23.74	0.00	24.0	0.001	1.062	1.008	0.001
	Band38/1RB#99	2	Right Tilted	37850	2580	23.74	0.04	24.0	0.001	1.062	1.008	0.001
	Band38/1RB#99	2	Left Cheek	37850	2580	23.74	-0.02	24.0	0.125	1.062	1.008	0.134
	Band38/1RB#99	2	Left Tilted	37850	2580	23.74	-0.09	24.0	0.003	1.062	1.008	0.003
13	Band38/1RB#99	5	Right Cheek	37850	2580	24.55	0.15	25.0	0.317	1.109	1.008	0.354
	Band38/1RB#99	5	Right Tilted	37850	2580	24.55	0.04	25.0	0.161	1.109	1.008	0.180
	Band38/1RB#99	5	Left Cheek	37850	2580	24.55	0.03	25.0	0.117	1.109	1.008	0.131
	Band38/1RB#99	5	Left Tilted	37850	2580	24.55	0.08	25.0	0.091	1.109	1.008	0.102
	Band38ENDC/1RB#99	4	Right Cheek	37850	2580	21.57	0.06	22.0	0.156	1.104	1.008	0.174
	Band38ENDC/1RB#99	4	Right Tilted	37850	2580	21.57	0.03	22.0	0.036	1.104	1.008	0.040
	Band38ENDC/1RB#99	4	Left Cheek	37850	2580	21.57	0.04	22.0	0.028	1.104	1.008	0.031
	Band38ENDC/1RB#99	4	Left Tilted	37850	2580	21.57	0.01	22.0	0.007	1.104	1.008	0.008
	Band38/50%RB#0	2	Right Cheek	37850	2580	22.73	0.00	23.0	0.003	1.064	1.008	0.003
	Band38/50%RB#0	2	Right Tilted	37850	2580	22.73	0.00	23.0	<0.001*	1.064	1.008	<0.001*
	Band38/50%RB#0	2	Left Cheek	37850	2580	22.73	0.00	23.0	0.033	1.064	1.008	0.035
	Band38/50%RB#0	2	Left Tilted	37850	2580	22.73	-0.06	23.0	0.003	1.064	1.008	0.003
	Band38/50%RB#0	5	Right Cheek	38000	2595	23.62	0.08	24.0	0.147	1.091	1.008	0.162
	Band38/50%RB#0	5	Right Tilted	38000	2595	23.62	0.08	24.0	0.131	1.091	1.008	0.144
	Band38/50%RB#0	5	Left Cheek	38000	2595	23.62	0.08	24.0	0.093	1.091	1.008	0.102
	Band38/50%RB#0	5	Left Tilted	38000	2595	23.62	-0.04	24.0	0.078	1.091	1.008	0.086
	Band38ENDC/50%RB#49	4	Right Cheek	38000	2595	20.63	0.05	21.0	0.131	1.089	1.008	0.144
	Band38ENDC/50%RB#49	4	Right Tilted	38000	2595	20.63	0.03	21.0	0.026	1.089	1.008	0.029
	Band38ENDC/50%RB#49	4	Left Cheek	38000	2595	20.63	0.11	21.0	0.022	1.089	1.008	0.024
	Band38ENDC/50%RB#49	4	Left Tilted	38000	2595	20.63	0.08	21.0	0.004	1.089	1.008	0.004
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)						
Spatial Peak						Averaged over 1g						
Uncontrolled Exposure/General Population												

➤ TDD-LTE Band41(20MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	Band41/1RB#49	2	Right Cheek	39750	2506	24.39	0.00	24.5	0.001	1.026	1.008	0.001
	Band41/1RB#49	2	Right Tilted	39750	2506	24.39	0.00	24.5	<0.001*	1.026	1.008	<0.001*
	Band41/1RB#49	2	Left Cheek	39750	2506	24.39	0.00	24.5	0.150	1.026	1.008	0.155
	Band41/1RB#49	2	Left Tilted	39750	2506	24.39	0.00	24.5	0.002	1.026	1.008	0.002
14	Band41/1RB#0	5	Right Cheek	40620	2593	24.47	0.09	25.0	0.276	1.13	1.008	0.314
	Band41/1RB#0	5	Right Tilted	40620	2593	24.47	0.02	25.0	0.167	1.13	1.008	0.190
	Band41/1RB#0	5	Left Cheek	40620	2593	24.47	0.03	25.0	0.118	1.13	1.008	0.134
	Band41/1RB#0	5	Left Tilted	40620	2593	24.47	0.07	25.0	0.084	1.13	1.008	0.096
	Band41 ENDC/1RB#0	4	Right Cheek	40620	2593	21.46	0.00	22.0	0.161	1.132	1.008	0.184
	Band41 ENDC/1RB#0	4	Right Tilted	40620	2593	21.46	0.01	22.0	0.038	1.132	1.008	0.043
	Band41 ENDC/1RB#0	4	Left Cheek	40620	2593	21.46	0.06	22.0	0.030	1.132	1.008	0.034
	Band41 ENDC/1RB#0	4	Left Tilted	40620	2593	21.46	0.02	22.0	0.008	1.132	1.008	0.009
	Band41/50%RB#49	2	Right Cheek	39750	2506	23.33	0.00	23.5	0.001	1.04	1.008	0.001
	Band41/50%RB#49	2	Right Tilted	39750	2506	23.33	0.00	23.5	<0.001*	1.04	1.008	<0.001*
	Band41/50%RB#49	2	Left Cheek	39750	2506	23.33	0.00	23.5	0.093	1.04	1.008	0.097
	Band41/50%RB#49	2	Left Tilted	39750	2506	23.33	0.00	23.5	<0.001*	1.04	1.008	<0.001*
	Band41/50%RB#49	5	Right Cheek	40620	2593	23.66	0.01	24.0	0.174	1.081	1.008	0.190
	Band41/50%RB#49	5	Right Tilted	40620	2593	23.66	0.07	24.0	0.131	1.081	1.008	0.143
	Band41/50%RB#49	5	Left Cheek	40620	2593	23.66	0.03	24.0	0.099	1.081	1.008	0.108
	Band41/50%RB#49	5	Left Tilted	40620	2593	23.66	-0.16	24.0	0.072	1.081	1.008	0.078
	Band41 ENDC/50%RB#0	4	Right Cheek	40620	2593	20.63	0.00	21.0	0.133	1.089	1.008	0.146
	Band41 ENDC/50%RB#0	4	Right Tilted	40620	2593	20.63	0.03	21.0	0.027	1.089	1.008	0.030
	Band41 ENDC/50%RB#0	4	Left Cheek	40620	2593	20.63	0.08	21.0	0.024	1.089	1.008	0.026
	Band41 ENDC/50%RB#0	4	Left Tilted	40620	2593	20.63	0.04	21.0	0.005	1.089	1.008	0.005
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)						

Spatial Peak Uncontrolled Exposure/General Population	Averaged over 1g
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➤ TDD-LTE Band41(20MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	Band42/1RB#99	3	Right Cheek	42190	3460	23.57	0.22	24.0	0.130	1.104	1.008	0.145
	Band42/1RB#99	3	Right Tilted	42190	3460	23.57	0.03	24.0	0.054	1.104	1.008	0.060
	Band42/1RB#99	3	Left Cheek	42190	3460	23.57	0.05	24.0	0.229	1.104	1.008	0.255
	Band42/1RB#99	3	Left Tilted	42190	3460	23.57	-0.09	24.0	0.035	1.104	1.008	0.039
15	Band42/1RB#99	5	Right Cheek	42190	3460	24.57	0.02	25.0	0.598	1.104	1.008	0.665
	Band42/1RB#99	5	Right Tilted	42190	3460	24.57	0.04	25.0	0.515	1.104	1.008	0.573
	Band42/1RB#99	5	Left Cheek	42190	3460	24.57	0.00	25.0	0.303	1.104	1.008	0.337
	Band42/1RB#99	5	Left Tilted	42190	3460	24.57	0.03	25.0	0.243	1.104	1.008	0.270
	Band42/50%RB#0	3	Right Cheek	42590	3500	22.52	0.02	23.0	0.120	1.117	1.008	0.135
	Band42/50%RB#0	3	Right Tilted	42590	3500	22.52	0.02	23.0	0.042	1.117	1.008	0.047
	Band42/50%RB#0	3	Left Cheek	42590	3500	22.52	0.03	23.0	0.214	1.117	1.008	0.241
	Band42/50%RB#0	3	Left Tilted	42590	3500	22.52	0.09	23.0	0.038	1.117	1.008	0.043
	Band42/50%RB#49	5	Right Cheek	42190	3460	23.65	-0.02	24.0	0.474	1.084	1.008	0.518
	Band42/50%RB#49	5	Right Tilted	42190	3460	23.65	-0.03	24.0	0.403	1.084	1.008	0.440
	Band42/50%RB#49	5	Left Cheek	42190	3460	23.65	-0.06	24.0	0.275	1.084	1.008	0.300
	Band42/50%RB#49	5	Left Tilted	42190	3460	23.65	-0.01	24.0	0.214	1.084	1.008	0.234
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ FDD-LTE Band 66(20MHz) QPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band66/1RB#99	2	Right Cheek	132572	1770	23.54	0.08	24.0	0.034	1.112	0.038
	Band66/1RB#99	2	Right Tilted	132572	1770	23.54	0.05	24.0	0.019	1.112	0.021
	Band66/1RB#99	2	Left Cheek	132572	1770	23.54	0.09	24.0	0.127	1.112	0.141
	Band66/1RB#99	2	Left Tilted	132572	1770	23.54	0.02	24.0	0.049	1.112	0.054
	Band66/1RB#49	5	Right Cheek	132572	1770	24.09	0.00	24.5	0.505	1.099	0.555
	Band66/1RB#49	5	Right Tilted	132572	1770	24.09	0.04	24.5	0.506	1.099	0.556
	Band66/1RB#49	5	Left Cheek	132572	1770	24.09	-0.04	24.5	0.380	1.099	0.418
	Band66/1RB#49	5	Left Tilted	132572	1770	24.09	-0.04	24.5	0.402	1.099	0.442
	Band66ENDC/1RB#49	4	Right Cheek	132572	1770	21.06	0.10	21.5	0.241	1.107	0.267
	Band66ENDC/1RB#49	4	Right Tilted	132572	1770	21.06	0.02	21.5	0.133	1.107	0.147
	Band66ENDC/1RB#49	4	Left Cheek	132572	1770	21.06	0.03	21.5	0.213	1.107	0.236
	Band66ENDC/1RB#49	4	Left Tilted	132572	1770	21.06	0.04	21.5	0.104	1.107	0.115
	Band66/50%RB#49	2	Right Cheek	132322	1745	22.28	0.03	22.5	0.026	1.052	0.027
	Band66/50%RB#49	2	Right Tilted	132322	1745	22.28	0.02	22.5	0.008	1.052	0.008
	Band66/50%RB#49	2	Left Cheek	132322	1745	22.28	0.06	22.5	0.102	1.052	0.107
	Band66/50%RB#49	2	Left Tilted	132322	1745	22.28	0.01	22.5	0.039	1.052	0.041
16	Band66/50%RB#0	5	Right Cheek	132572	1770	22.96	0.14	23.5	0.524	1.132	0.593
	Band66/50%RB#0	5	Right Tilted	132572	1770	22.96	0.05	23.5	0.485	1.132	0.549
	Band66/50%RB#0	5	Left Cheek	132572	1770	22.96	-0.01	23.5	0.300	1.132	0.340
	Band66/50%RB#0	5	Left Tilted	132572	1770	22.96	-0.05	23.5	0.313	1.132	0.354
	Band66ENDC/50%RB#49	4	Right Cheek	132572	1770	19.95	0.08	20.5	0.221	1.135	0.251
	Band66ENDC/50%RB#49	4	Right Tilted	132572	1770	19.95	0.04	20.5	0.113	1.135	0.128
	Band66ENDC/50%RB#49	4	Left Cheek	132572	1770	19.95	0.03	20.5	0.194	1.135	0.220
	Band66ENDC/50%RB#49	4	Left Tilted	132572	1770	19.95	0.01	20.5	0.095	1.135	0.108
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n5(20MHz) DFT-BPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
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	NR n5 DFT-BPSK /1@1 20M	1	Right Cheek	167800	839	23.80	-0.20	24.0	0.114	1.047	0.119
	NR n5 DFT-BPSK /1@1 20M	1	Right Tilted	167800	839	23.80	0.05	24.0	0.034	1.047	0.036
	NR n5 DFT-BPSK /1@1 20M	1	Left Cheek	167800	839	23.80	0.08	24.0	0.085	1.047	0.089
	NR n5 DFT-BPSK /1@1 20M	1	Left Tilted	167800	839	23.80	-0.04	24.0	0.034	1.047	0.035
	NR n5 DFT-BPSK /1@1 20M	3	Right Cheek	167300	836.5	23.47	0.09	24.0	0.703	1.130	0.794
	NR n5 DFT-BPSK /1@1 20M	3	Right Tilted	167300	836.5	23.47	-0.09	24.0	0.116	1.130	0.131
	NR n5 DFT-BPSK /1@1 20M	3	Left Cheek	167300	836.5	23.47	-0.13	24.0	0.688	1.130	0.777
	NR n5 DFT-BPSK /1@1 20M	3	Left Tilted	167300	836.5	23.47	-0.08	24.0	0.074	1.130	0.083
	NR n5 DFT-BPSK /25@12 20M	1	Right Cheek	166800	834	23.87	0.09	24.0	0.154	1.030	0.159
	NR n5 DFT-BPSK /25@12 20M	1	Right Tilted	166800	834	23.87	-0.12	24.0	0.079	1.030	0.081
	NR n5 DFT-BPSK /25@12 20M	1	Left Cheek	166800	834	23.87	0.03	24.0	0.114	1.030	0.117
	NR n5 DFT-BPSK /25@12 20M	1	Left Tilted	166800	834	23.87	0.09	24.0	0.041	1.030	0.042
	NR n5 DFT-BPSK /25@12 20M	3	Right Cheek	166800	834	23.61	0.02	24.0	0.802	1.094	0.877
	NR n5 DFT-BPSK /25@12 20M	3	Right Tilted	166800	834	23.61	0.02	24.0	0.130	1.094	0.142
	NR n5 DFT-BPSK /25@12 20M	3	Left Cheek	166800	834	23.61	-0.07	24.0	0.882	1.094	0.965
	NR n5 DFT-BPSK /25@12 20M	3	Left Tilted	166800	834	23.61	0.00	24.0	0.099	1.094	0.108
	NR n5 DFT-BPSK /25@12 20M	3	Right Cheek	167300	836.5	23.54	0.20	24.0	0.838	1.112	0.932
	NR n5 DFT-BPSK /25@12 20M	3	Right Cheek	167800	839	23.55	0.05	24.0	0.872	1.109	0.967
	NR n5 DFT-BPSK /25@12 20M	3	Left Cheek	167300	836.5	23.54	-0.03	24.0	0.933	1.112	1.037
17	NR n5 DFT-BPSK /25@12 20M	3	Left Cheek	167800	839	23.55	0.03	24.0	0.972	1.109	1.078
	NR n5 DFT-BPSK /50@0 20M	3	Left Cheek	166800	834	23.03	0.07	24.0	0.624	1.250	0.780
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n7(20MHz) DFT-BPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n7 DFT-BPSK /1@1 20M	2	Right Cheek	502000	2510	22.93	0.00	23.5	0.005	1.140	0.005
	NR n7 DFT-BPSK /1@1 20M	2	Right Tilted	502000	2510	22.93	0.00	23.5	<0.001	1.140	<0.001
	NR n7 DFT-BPSK /1@1 20M	2	Left Cheek	502000	2510	22.93	-0.07	23.5	0.058	1.140	0.066
	NR n7 DFT-BPSK /1@1 20M	2	Left Tilted	502000	2510	22.93	-0.03	23.5	0.019	1.140	0.022
	NR n7 DFT-BPSK /1@49 20M	5	Right Cheek	507000	2535	22.85	-0.08	23.5	0.469	1.161	0.545
18	NR n7 DFT-BPSK /1@1 20M	5	Right Tilted	507000	2535	22.85	0.19	23.5	0.482	1.161	0.560
	NR n7 DFT-BPSK /1@1 20M	5	Left Cheek	507000	2535	22.85	0.04	23.5	0.213	1.161	0.247
	NR n7 DFT-BPSK /1@1 20M	5	Left Tilted	507000	2535	22.85	0.06	23.5	0.336	1.161	0.390
	NR n7 DFT-BPSK /25@12 20M	2	Right Cheek	507000	2535	23.07	0.03	23.5	0.021	1.104	0.023
	NR n7 DFT-BPSK /25@12 20M	2	Right Tilted	507000	2535	23.07	0.02	23.5	0.003	1.104	0.003
	NR n7 DFT-BPSK /25@12 20M	2	Left Cheek	507000	2535	23.07	-0.05	23.5	0.052	1.104	0.057
	NR n7 DFT-BPSK /25@12 20M	2	Left Tilted	507000	2535	23.07	-0.03	23.5	0.017	1.104	0.019
	NR n7 DFT-BPSK /25@12 20M	5	Right Cheek	507000	2535	23.05	-0.09	23.5	0.349	1.109	0.387
	NR n7 DFT-BPSK /25@12 20M	5	Right Tilted	507000	2535	23.05	0.09	23.5	0.428	1.109	0.475
	NR n7 DFT-BPSK /25@12 20M	5	Left Cheek	507000	2535	23.05	-0.09	23.5	0.222	1.109	0.246
	NR n7 DFT-BPSK /25@12 20M	5	Left Tilted	507000	2535	23.05	0.00	23.5	0.313	1.109	0.347
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n12(15MHz) DFT-BPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n12 DFT-BPSK /1@1 15M	1	Right Cheek	141300	706.5	23.42	0.04	24.0	0.075	1.143	0.086
	NR n12 DFT-BPSK /1@1 15M	1	Right Tilted	141300	706.5	23.42	-0.04	24.0	0.029	1.143	0.033

	NR n12 DFT-BPSK /1@1 15M	1	Left Cheek	141300	706.5	23.42	-0.08	24.0	0.052	1.143	0.060
	NR n12 DFT-BPSK /1@1 15M	1	Left Tilted	141300	706.5	23.42	0.11	24.0	0.021	1.143	0.024
19	NR n12 DFT-BPSK /1@1 15M	3	Right Cheek	141300	706.5	23.27	0.09	23.5	0.278	1.054	0.293
	NR n12 DFT-BPSK /1@1 15M	3	Right Tilted	141300	706.5	23.27	-0.09	23.5	0.052	1.054	0.055
	NR n12 DFT-BPSK /1@1 15M	3	Left Cheek	141300	706.5	23.27	0.11	23.5	0.242	1.054	0.255
	NR n12 DFT-BPSK /1@1 15M	3	Left Tilted	141300	706.5	23.27	-0.07	23.5	0.045	1.054	0.047
	NR n12 DFT-BPSK /18@9 15M	1	Right Cheek	141500	707.5	23.26	0.07	23.5	0.085	1.057	0.089
	NR n12 DFT-BPSK /18@9 15M	1	Right Tilted	141500	707.5	23.26	0.11	23.5	0.037	1.057	0.039
	NR n12 DFT-BPSK /18@9 15M	1	Left Cheek	141500	707.5	23.26	0.05	23.5	0.059	1.057	0.063
	NR n12 DFT-BPSK /18@9 15M	1	Left Tilted	141500	707.5	23.26	-0.07	23.5	0.024	1.057	0.025
	NR n12 DFT-BPSK /18@9 15M	3	Right Cheek	141700	708.5	23.14	-0.02	23.5	0.211	1.086	0.229
	NR n12 DFT-BPSK /18@9 15M	3	Right Tilted	141700	708.5	23.14	0.01	23.5	0.065	1.086	0.071
	NR n12 DFT-BPSK /18@9 15M	3	Left Cheek	141700	708.5	23.14	0.04	23.5	0.266	1.086	0.289
	NR n12 DFT-BPSK /18@9 15M	3	Left Tilted	141700	708.5	23.14	-0.03	23.5	0.056	1.086	0.061
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ NR n38(40MHz) DFT-BPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n38 DFT-BPSK /1@104 40M	2	Right Cheek	518000	2590	23.16	0.00	23.5	0.005	1.081	0.006
	NR n38 DFT-BPSK /1@104 40M	2	Right Tilted	518000	2590	23.16	0.00	23.5	<0.001*	1.081	<0.001*
	NR n38 DFT-BPSK /1@104 40M	2	Left Cheek	518000	2590	23.16	0.00	23.5	0.020	1.081	0.021
	NR n38 DFT-BPSK /1@104 40M	2	Left Tilted	518000	2590	23.16	0.03	23.5	0.006	1.081	0.006
	NR n38 DFT-BPSK /1@1 40M	5	Right Cheek	520000	2600	23.57	-0.14	24.0	0.271	1.104	0.299
	NR n38	5	Right Tilted	520000	2600	23.57	0.07	24.0	0.264	1.104	0.291

	DFT-BPSK /1@1 40M										
	NR n38 DFT-BPSK /1@1 40M	5	Left Cheek	520000	2600	23.57	0.02	24.0	0.197	1.104	0.217
	NR n38 DFT-BPSK /1@1 40M	5	Left Tilted	520000	2600	23.57	-0.12	24.0	0.175	1.104	0.193
	NR n38 DFT-BPSK /50@25 40M	2	Right Cheek	520000	2600	23.21	0.08	23.5	0.022	1.069	0.024
	NR n38 DFT-BPSK /50@25 40M	2	Right Tilted	520000	2600	23.21	0.04	23.5	0.004	1.069	0.004
	NR n38 DFT-BPSK /50@25 40M	2	Left Cheek	520000	2600	23.21	0.00	23.5	0.019	1.069	0.021
	NR n38 DFT-BPSK /50@25 40M	2	Left Tilted	520000	2600	23.21	-0.19	23.5	0.006	1.069	0.006
	NR n38 DFT-BPSK /50@25 40M	5	Right Cheek	520000	2600	23.73	0.18	24.0	0.275	1.064	0.293
20	NR n38 DFT-BPSK /50@25 40M	5	Right Tilted	520000	2600	23.73	0.02	24.0	0.313	1.064	0.333
	NR n38 DFT-BPSK /50@25 40M	5	Left Cheek	520000	2600	23.73	0.01	24.0	0.207	1.064	0.220
	NR n38 DFT-BPSK /50@25 40M	5	Left Tilted	520000	2600	23.73	-0.05	24.0	0.187	1.064	0.199
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n41(100MHz) DFT-BPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n41 DFT-BPSK /1@271 100M	2	Right Cheek	528000	2640	23.18	0.00	23.5	0.005	1.076	0.005
	NR n41 DFT-BPSK /1@271 100M	2	Right Tilted	528000	2640	23.18	0.00	23.5	<0.001*	1.076	<0.001*
	NR n41 DFT-BPSK /1@271 100M	2	Left Cheek	528000	2640	23.18	0.00	23.5	0.014	1.076	0.015
	NR n41 DFT-BPSK /1@271 100M	2	Left Tilted	528000	2640	23.18	0.01	23.5	0.003	1.076	0.003
	NR n41 DFT-BPSK /1@1 100M	5	Right Cheek	528000	2640	23.80	0.09	24.0	0.179	1.047	0.187
21	NR n41 DFT-BPSK /1@1 100M	5	Right Tilted	528000	2640	23.80	0.09	24.0	0.315	1.047	0.330
	NR n41 DFT-BPSK /1@1 100M	5	Left Cheek	528000	2640	23.80	0.03	24.0	0.147	1.047	0.154
	NR n41 DFT-BPSK /1@1 100M	5	Left Tilted	528000	2640	23.80	0.01	24.0	0.211	1.047	0.221
	NR n41 DFT-BPSK	2	Right Cheek	518598	2592.99	23.09	0.00	23.5	0.018	1.099	0.020

	/135@67 100M										
	NR n41 DFT-BPSK /135@67 100M	2	Right Tilted	518598	2592.99	23.09	0.00	23.5	0.005	1.099	0.005
	NR n41 DFT-BPSK /135@67 100M	2	Left Cheek	518598	2592.99	23.09	0.00	23.5	0.013	1.099	0.014
	NR n41 DFT-BPSK /135@67 100M	2	Left Tilted	518598	2592.99	23.09	0.00	23.5	<0.001*	1.099	<0.001*
	NR n41 DFT-BPSK /135@67 100M	5	Right Cheek	518598	2592.99	23.78	-0.17	24.0	0.174	1.052	0.183
	NR n41 DFT-BPSK /135@67 100M	5	Right Tilted	518598	2592.99	23.78	-0.08	24.0	0.311	1.052	0.327
	NR n41 DFT-BPSK /135@67 100M	5	Left Cheek	518598	2592.99	23.78	-0.02	24.0	0.120	1.052	0.126
	NR n41 DFT-BPSK /135@67 100M	5	Left Tilted	518598	2592.99	23.78	0.09	24.0	0.230	1.052	0.242
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n66(40MHz) DFT-BPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n66 DFT-BPSK /1@1 40M	2	Right Cheek	346000	1730	21.96	-0.08	22.5	0.051	1.132	0.058
	NR n66 DFT-BPSK /1@1 40M	2	Right Tilted	346000	1730	21.96	-0.04	22.5	0.008	1.132	0.009
	NR n66 DFT-BPSK /1@1 40M	2	Left Cheek	346000	1730	21.96	0.08	22.5	0.051	1.132	0.058
	NR n66 DFT-BPSK /1@1 40M	2	Left Tilted	346000	1730	21.96	0.03	22.5	0.007	1.132	0.008
	NR n66 DFT-BPSK /1@104 40M	5	Right Cheek	346000	1730	21.67	0.04	22.0	0.594	1.079	0.641
	NR n66 DFT-BPSK /1@104 40M	5	Right Tilted	346000	1730	21.67	0.12	22.0	0.568	1.079	0.613
	NR n66 DFT-BPSK /1@104 40M	5	Left Cheek	346000	1730	21.67	-0.09	22.0	0.421	1.079	0.454
	NR n66 DFT-BPSK /1@104 40M	5	Left Tilted	346000	1730	21.67	-0.03	22.0	0.412	1.079	0.445
	NR n66 DFT-BPSK /50@25 40M	2	Right Cheek	346000	1730	21.94	-0.09	22.5	0.050	1.138	0.057
	NR n66 DFT-BPSK /50@25 40M	2	Right Tilted	346000	1730	21.94	-0.06	22.5	0.009	1.138	0.010
	NR n66 DFT-BPSK /50@25 40M	2	Left Cheek	346000	1730	21.94	0.05	22.5	0.033	1.138	0.038
	NR n66 DFT-BPSK /50@25 40M	2	Left Tilted	346000	1730	21.94	0.02	22.5	0.004	1.138	0.005

	NR n66 DFT-BPSK /50@25 40M	5	Right Cheek	346000	1730	21.36	0.07	21.5	0.585	1.033	0.604
22	NR n66 DFT-BPSK /50@25 40M	5	Right Tilted	346000	1730	21.36	-0.01	21.5	0.638	1.033	0.659
	NR n66 DFT-BPSK /50@25 40M	5	Left Cheek	346000	1730	21.36	0.02	21.5	0.420	1.033	0.434
	NR n66 DFT-BPSK /50@25 40M	5	Left Tilted	346000	1730	21.36	0.04	21.5	0.411	1.033	0.425
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n77(3450MHz~3550MHz) (100MHz)DFT-BPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	3	Right Cheek	633334	3500.01	24.90	0.12	26.0	0.137	1.288	0.176
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	3	Right Tilted	633334	3500.01	24.90	-0.02	26.0	0.071	1.288	0.091
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	3	Left Cheek	633334	3500.01	24.90	0.10	26.0	0.155	1.288	0.200
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	3	Left Tilted	633334	3500.01	24.90	-0.04	26.0	0.044	1.288	0.057
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Right Cheek	633334	3500.01	24.52	0.05	25.5	0.266	1.253	0.333
23	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Right Tilted	633334	3500.01	24.52	0.07	25.5	0.417	1.253	0.523
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Left Cheek	633334	3500.01	24.52	-0.07	25.5	0.104	1.253	0.130
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Left Tilted	633334	3500.01	24.52	-0.06	25.5	0.193	1.253	0.242
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	3	Right Cheek	633334	3500.01	25.15	0.03	26.0	0.118	1.216	0.143
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	3	Right Tilted	633334	3500.01	25.15	-0.03	26.0	0.064	1.216	0.078
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	3	Left Cheek	633334	3500.01	25.15	-0.06	26.0	0.122	1.216	0.148
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	3	Left Tilted	633334	3500.01	25.15	0.02	26.0	0.035	1.216	0.043
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	5	Right Cheek	633334	3500.01	24.45	-0.05	25.5	0.269	1.274	0.343
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	5	Right Tilted	633334	3500.01	24.45	0.14	25.5	0.410	1.274	0.522
	NR n77 (3450-3550) DFT-BPSK	5	Left Cheek	633334	3500.01	24.45	0.02	25.5	0.102	1.274	0.130

	/135@67 100M										
NR n77 (3450-3550) DFT-BPSK /135@67 100M	5	Left Tilted	633334	3500.01	24.45	0.09	25.5	0.189	1.274	0.241	
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n77(3700MHz~3980MHz) (100MHz)DFT-BPSK Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n77 (3700-3980) DFT-BPSK /1@271 100M	3	Right Cheek	650000	3750	24.99	0.04	25.5	0.675	1.125	0.759
	NR n77 (3700-3980) DFT-BPSK /1@271 100M	3	Right Tilted	650000	3750	24.99	0.02	25.5	0.352	1.125	0.396
24	NR n77 (3700-3980) DFT-BPSK /1@271 100M	3	Left Cheek	650000	3750	24.99	-0.04	25.5	0.885	1.125	0.996
	NR n77 (3700-3980) DFT-BPSK /1@271 100M	3	Left Cheek	650000	3750	24.99	-0.10	25.5	0.849	1.125	0.955
	NR n77 (3700-3980) DFT-BPSK /1@271 100M	3	Left Tilted	650000	3750	24.99	0.08	25.5	0.312	1.125	0.351
	NR n77 (3700-3980) DFT-BPSK /1@271 100M	3	Left Cheek	656000	3840	24.99	-0.02	25.5	0.746	1.125	0.839
	NR n77 (3700-3980) DFT-BPSK /1@271 100M	3	Left Cheek	662000	3930	24.99	0.00	25.5	0.670	1.125	0.754
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Right Cheek	650000	3750	24.15	0.16	26.0	0.485	1.531	0.743
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Right Tilted	650000	3750	24.15	-0.03	26.0	0.398	1.531	0.609
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Left Cheek	650000	3750	24.15	0.05	26.0	0.073	1.531	0.111
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Left Tilted	650000	3750	24.15	0.03	26.0	0.102	1.531	0.156
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	3	Right Cheek	650000	3750	25.17	0.03	25.5	0.580	1.079	0.626
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	3	Right Tilted	650000	3750	25.17	0.07	25.5	0.292	1.079	0.315
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	3	Left Cheek	650000	3750	25.17	-0.03	25.5	0.718	1.079	0.775
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	3	Left Tilted	650000	3750	25.17	-0.06	25.5	0.248	1.079	0.268
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Right Cheek	650000	3750	24.35	0.01	26.0	0.336	1.462	0.491
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Right Tilted	650000	3750	24.35	-0.04	26.0	0.385	1.462	0.563

NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Left Cheek	650000	3750	24.35	-0.01	26.0	0.185	1.462	0.270
NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Left Tilted	650000	3750	24.35	-0.09	26.0	0.203	1.462	0.297
NR n77 (3700-3980) DFT-BPSK /270@0 100M	3	Left Cheek	650000	3750	24.66	0.09	25.5	0.618	1.213	0.750
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					1.6 W/kg (mW/g) Averaged over 1g					

➤ WLAN 2.4 GHz Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	2.4GHz/802.11b	12	Right Cheek	1	2412	18.07	0.02	18.5	0.181	1.104	1.000	0.200
	2.4GHz/802.11b	12	Right Tilted	1	2412	18.07	-0.02	18.5	0.232	1.104	1.000	0.256
	2.4GHz/802.11b	12	Left Cheek	1	2412	18.07	0.10	18.5	0.236	1.104	1.000	0.261
25	2.4GHz/802.11b	12	Left Tilted	1	2412	18.07	0.08	18.5	0.272	1.104	1.000	0.300
	2.4GHz/802.11b	13	Right Cheek	6	2437	17.28	0.04	17.5	0.178	1.052	1.000	0.187
	2.4GHz/802.11b	13	Right Tilted	6	2437	17.28	-0.07	17.5	0.022	1.052	1.000	0.023
	2.4GHz/802.11b	13	Left Cheek	6	2437	17.28	0.04	17.5	0.218	1.052	1.000	0.229
	2.4GHz/802.11b	13	Left Tilted	6	2437	17.28	0.04	17.5	0.037	1.052	1.000	0.039
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					1.6 W/kg (mW/g) Averaged over 1g							

➤ WLAN 5.2 GHz Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.2GHz/802.11a	6	Right Cheek	40	5200	17.09	0.07	17.5	0.148	1.099	1.000	0.163
	5.2GHz/802.11a	6	Right Tilted	40	5200	17.09	0.06	17.5	0.152	1.099	1.000	0.167
	5.2GHz/802.11a	6	Left Cheek	40	5200	17.09	0.13	17.5	0.169	1.099	1.000	0.186
26	5.2GHz/802.11a	6	Left Tilted	40	5200	17.09	-0.06	17.5	0.186	1.099	1.000	0.204
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					1.6 W/kg (mW/g) Averaged over 1g							

➤ WLAN 5.3 GHz Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.3GHz/802.11a	6	Right Cheek	52	5260	17.56	0.02	18.0	0.136	1.107	1.000	0.151
	5.3GHz/802.11a	6	Right Tilted	52	5260	17.56	0.15	18.0	0.186	1.107	1.000	0.206
	5.3GHz/802.11a	6	Left Cheek	52	5260	17.56	0.06	18.0	0.193	1.107	1.000	0.214
27	5.3GHz/802.11a	6	Left Tilted	52	5260	17.56	0.01	18.0	0.204	1.107	1.000	0.226
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					1.6 W/kg (mW/g) Averaged over 1g							

➤ WLAN 5.6 GHz Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.6GHz/802.11a	6	Right Cheek	100	5500	16.73	0.17	17.0	0.165	1.064	1.000	0.176
	5.6GHz/802.11a	6	Right Tilted	100	5500	16.73	-0.18	17.0	0.185	1.064	1.000	0.197
	5.6GHz/802.11a	6	Left Cheek	100	5500	16.73	0.08	17.0	0.176	1.064	1.000	0.187
28	5.6GHz/802.11a	6	Left Tilted	100	5500	16.73	-0.03	17.0	0.213	1.064	1.000	0.227
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					1.6 W/kg (mW/g) Averaged over 1g							

➤ WLAN 5.8 GHz Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.8GHz/802.11a	6	Right Cheek	157	5785	16.73	-0.16	17.0	0.096	1.064	1.000	0.102
	5.8GHz/802.11a	6	Right Tilted	157	5785	16.73	-0.06	17.0	0.187	1.064	1.000	0.199
	5.8GHz/802.11a	6	Left Cheek	157	5785	16.73	-0.09	17.0	0.198	1.064	1.000	0.211
29	5.8GHz/802.11a	6	Left Tilted	157	5785	16.73	-0.20	17.0	0.234	1.064	1.000	0.249
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ Bluetooth Head SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	BT/GFSK	12	Right Cheek	78	2480	15.09	0.17	15.5	0.093	1.099	1.000	0.102
	BT/GFSK	12	Right Tilted	78	2480	15.09	0.18	15.5	0.112	1.099	1.000	0.123
	BT/GFSK	12	Left Cheek	78	2480	15.09	0.11	15.5	0.121	1.099	1.000	0.133
30	BT/GFSK	12	Left Tilted	78	2480	15.09	0.01	15.5	0.134	1.099	1.000	0.147
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

Note:

- Per KDB 447498 D01v06, for each exposure position, if the highest output power channel Reported SAR ≤ 0.8 W/kg, other channels SAR testing is not necessary.
- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8 W/kg.
- Per KDB 941225 D05v02r05, 100% RB allocation SAR measurement is not required when the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg.
- Per KDB 248227 D01v02r02, for 802.11b DSSS, when the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required in that exposure configuration.
- Per KDB 248227 D01v02r02, OFDM SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
(ANT12)Cuz the maximum output power specified for OFDM and DSSS are 56.23mW(17.5dBm) and 70.79mW(18.5dBm), the scaled SAR would be $0.300 \times (56.23/70.79) = 0.238$ W/Kg < 1.2 W/kg, therefore, SAR is not required for OFDM.
(ANT13)Cuz the maximum output power specified for OFDM and DSSS are 50.12mW(17.0dBm) and 56.23mW(17.5dBm), the scaled SAR would be $0.229 \times (50.12/56.23) = 0.204$ W/Kg < 1.2 W/kg, therefore, SAR is not required for OFDM.
- According to KDB 865664 D02v01r02, SAR plot is required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination
- Highlight part of test data means repeated test.
- *: Due the antenna location and antenna performance results the SAR value lower than the lowest system limit, then we show " <0.001 W/Kg" in the report.

15.2 Standalone Body SAR

➤ GSM Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	GPRS850/4 slots	1	Front	128	824.2	28.21	0.05	28.5	0.099	1.069	0.105
	GPRS850/4 slots	1	Back	128	824.2	28.21	0.06	28.5	0.130	1.069	0.139
	GPRS850/2 slots	3	Front	128	824.2	32.32	0.13	32.5	0.238	1.042	0.248
31	GPRS850/2 slots	3	Back	128	824.2	32.32	-0.06	32.5	0.392	1.042	0.408
	GPRS1900/2 slots	2	Front	810	1909.8	28.46	0.00	29.0	0.078	1.132	0.088
	GPRS1900/2 slots	2	Back	810	1909.8	28.46	0.04	29.0	0.203	1.132	0.230
	GPRS1900/4 slots	5	Front	810	1909.8	24.57	-0.01	25.0	0.137	1.104	0.151
32	GPRS1900/4 slots	5	Back	810	1909.8	24.57	0.02	25.0	0.225	1.104	0.248
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ WCDMA Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band II/RMC	2	Front	9538	1907.6	22.89	0.05	23.0	0.270	1.026	0.277
33	Band II/RMC	2	Back	9538	1907.6	22.89	-0.04	23.0	0.499	1.026	0.512
	Band II/RMC	5	Front	9400	1880	22.07	-0.15	22.5	0.266	1.104	0.294
	Band II/RMC	5	Back	9400	1880	22.07	-0.01	22.5	0.318	1.104	0.351
	Band IV/RMC	2	Front	1413	1732.6	22.59	0.00	23.0	0.611	1.099	0.671
34	Band IV/RMC	2	Back	1413	1732.6	22.59	-0.01	23.0	0.972	1.099	1.068
	Band IV/RMC	2	Back	1413	1732.6	22.59	-0.12	23.0	0.948	1.099	1.042
	Band IV/RMC	2	Back	1312	1712.4	22.46	-0.06	23.0	0.854	1.132	0.967
	Band IV/RMC	2	Back	1513	1752.6	22.44	0.01	23.0	0.794	1.138	0.904
	Band IV/RMC	5	Front	1413	1732.6	22.54	-0.06	23.0	0.152	1.112	0.169
	Band IV/RMC	5	Back	1413	1732.6	22.54	-0.02	23.0	0.193	1.112	0.215
	Band V/RMC	1	Front	4132	826.4	23.04	0.03	23.5	0.085	1.112	0.094
	Band V/RMC	1	Back	4132	826.4	23.04	0.19	23.5	0.122	1.112	0.136
	Band V/RMC	3	Front	4132	826.4	23.58	0.20	24.0	0.151	1.102	0.166
35	Band V/RMC	3	Back	4132	826.4	23.58	0.00	24.0	0.248	1.102	0.273
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 2(20MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band2/1RB#99	2	Front	18700	1860	23.79	-0.17	24.5	0.384	1.178	0.452
36	Band2/1RB#99	2	Back	18700	1860	23.79	-0.17	24.5	0.608	1.178	0.716
	Band2/1RB#0	5	Front	18900	1880	24.42	-0.01	25.0	0.164	1.143	0.187
	Band2/1RB#0	5	Back	18900	1880	24.42	-0.08	25.0	0.242	1.143	0.277
	Band2ENDC/1RB#0	4	Front	18900	1880	21.42	0.03	22.0	0.098	1.143	0.112
	Band2ENDC/1RB#0	4	Back	18900	1880	21.42	0.05	22.0	0.126	1.143	0.144
	Band2/50%RB#0	2	Front	18900	1880	22.95	0.00	23.5	0.299	1.135	0.339
	Band2/50%RB#0	2	Back	18900	1880	22.95	0.00	23.5	0.478	1.135	0.543
	Band2/50%RB#49	5	Front	18900	1880	23.35	-0.03	23.5	0.127	1.035	0.131
	Band2/50%RB#49	5	Back	18900	1880	23.35	0.09	23.5	0.182	1.035	0.188
	Band2ENDC/1RB#0	4	Front	18900	1880	20.36	0.02	20.5	0.072	1.033	0.074
	Band2ENDC/1RB#0	4	Back	18900	1880	20.36	-0.03	20.5	0.108	1.033	0.112
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 2(20MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power	Power Drift	Tune-Up Limit	Meas. SAR _{1g}	Scaling Factor	Reported SAR _{1g}
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						(dBm)	(dB)	(dBm)	(W/kg)		(W/kg)
	Band4/1RB#99	2	Front	20050	1720	23.26	-0.03	23.5	0.571	1.057	0.604
	Band4/1RB#99	2	Back	20050	1720	23.26	-0.09	23.5	0.804	1.057	0.850
	Band4/1RB#99	2	Back	20175	1732.5	22.86	0.00	23.5	0.852	1.159	0.987
37	Band4/1RB#99	2	Back	20300	1745	22.70	-0.17	23.5	0.877	1.202	1.054
	Band4/1RB#99	5	Front	20050	1720	23.99	-0.10	24.5	0.126	1.125	0.142
	Band4/1RB#99	5	Back	20050	1720	23.99	-0.09	24.5	0.191	1.125	0.215
	Band4ENDC/1RB#0	4	Front	20050	1720	21.01	-0.04	21.5	0.113	1.119	0.126
	Band4ENDC/1RB#0	4	Back	20050	1720	21.01	0.03	21.5	0.156	1.119	0.175
	Band4/50%RB#0	2	Front	20300	1745	22.23	-0.08	22.5	0.394	1.064	0.419
	Band4/50%RB#0	2	Back	20300	1745	22.23	-0.01	22.5	0.718	1.064	0.764
	Band4/50%RB#0	5	Front	20175	1732.5	23.18	-0.13	23.5	0.104	1.076	0.112
	Band4/50%RB#0	5	Back	20175	1732.5	23.18	0.01	23.5	0.174	1.076	0.187
	Band4ENDC/50%RB#0	4	Front	20050	1720	20.20	-0.03	20.5	0.088	1.072	0.094
	Band4ENDC/50%RB#0	4	Back	20050	1720	20.20	-0.08	20.5	0.122	1.072	0.131
	Band4/100%RB#0	2	Back	20300	1745	22.26	0.10	22.5	0.665	1.057	0.703
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 5(10MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band5/1RB#0	1	Front	20525	836.5	24.16	0.04	24.5	0.197	1.081	0.213
	Band5/1RB#0	1	Back	20525	836.5	24.16	-0.04	24.5	0.229	1.081	0.248
	Band5/1RB#0	3	Front	20600	844	23.92	-0.14	24.5	0.316	1.143	0.361
38	Band5/1RB#0	3	Back	20600	844	23.92	0.02	24.5	0.646	1.143	0.738
	Band5/50%RB#12	1	Front	20525	836.52	23.12	0.00	23.5	0.140	1.091	0.153
	Band5/50%RB#12	1	Back	20525	836.52	23.12	0.01	23.5	0.167	1.091	0.182
	Band5/50%RB#12	3	Front	20525	836.52	22.82	0.04	23.0	0.379	1.042	0.395
	Band5/50%RB#12	3	Back	20525	836.52	22.82	-0.13	23.0	0.569	1.042	0.593
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 7(20MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band7/1RB#49	2	Front	20850	2510	24.11	0.00	24.5	0.073	1.094	0.079
39	Band7/1RB#49	2	Back	20850	2510	24.11	0.08	24.5	0.128	1.094	0.140
	Band7/1RB#0	5	Front	20850	2510	24.32	0.03	24.5	0.037	1.042	0.038
	Band7/1RB#0	5	Back	20850	2510	24.32	0.12	24.5	0.114	1.042	0.119
	Band7ENDC/1RB#0	4	Front	21100	2535	21.33	0.01	21.5	0.053	1.040	0.055
	Band7ENDC/1RB#0	4	Back	21100	2535	21.33	0.03	21.5	0.088	1.040	0.092
	Band7/50%RB#49	2	Front	20850	2510	23.10	0.09	23.5	0.060	1.096	0.066
	Band7/50%RB#49	2	Back	20850	2510	23.10	0.09	23.5	0.078	1.096	0.086
	Band7/50%RB#0	5	Front	21350	2560	23.45	0.11	24.0	0.031	1.135	0.035
	Band7/50%RB#0	5	Back	21350	2560	23.45	0.03	24.0	0.095	1.135	0.107
	Band7ENDC/50%RB#0	4	Front	21100	2535	20.45	0.02	21.0	0.044	1.135	0.050
	Band7ENDC/50%RB#0	4	Back	21100	2535	20.45	0.00	21.0	0.068	1.135	0.077
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 12(10MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band12/1RB#0	1	Front	23060	704	24.07	-0.06	24.5	0.104	1.104	0.115

	Band12/1RB#0	1	Back	23060	704	24.07	0.06	24.5	0.113	1.104	0.125
	Band12/1RB#0	3	Front	23095	707.5	23.92	0.03	24.5	0.165	1.143	0.189
40	Band12/1RB#0	3	Back	23095	707.5	23.92	0.08	24.5	0.221	1.143	0.253
	Band12/50%RB#0	1	Front	23060	704	23.04	0.00	23.5	0.081	1.112	0.090
	Band12/50%RB#0	1	Back	23060	704	23.04	-0.11	23.5	0.084	1.112	0.093
	Band12/50%RB#0	3	Front	23060	704	22.92	0.14	23.5	0.126	1.143	0.144
	Band12/50%RB#0	3	Back	23060	704	22.92	-0.10	23.5	0.193	1.143	0.221
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 13(10MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band13/1RB#49	1	Front	23230	782	24.28	-0.06	24.5	0.121	1.052	0.127
	Band13/1RB#49	1	Back	23230	782	24.28	0.07	24.5	0.151	1.052	0.159
	Band13/1RB#24	3	Front	23230	782	23.97	0.09	24.5	0.389	1.130	0.440
41	Band13/1RB#24	3	Back	23230	782	23.97	0.13	24.5	0.443	1.130	0.501
	Band13/50%RB#0	1	Front	23230	782	23.23	-0.02	23.5	0.098	1.064	0.104
	Band13/50%RB#0	1	Back	23230	782	23.23	0.04	23.5	0.125	1.064	0.133
	Band13/50%RB#12	3	Front	23230	782	22.96	0.07	23.5	0.309	1.132	0.350
	Band13/50%RB#12	3	Back	23230	782	22.96	0.05	23.5	0.412	1.132	0.466
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 17(10MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band17/1RB#0	1	Front	23780	709	23.98	-0.04	24.5	0.119	1.127	0.134
	Band17/1RB#0	1	Back	23780	709	23.98	-0.07	24.5	0.132	1.127	0.149
	Band17/1RB#49	3	Front	23780	709	23.92	0.04	24.5	0.218	1.143	0.249
42	Band17/1RB#49	3	Back	23780	709	23.92	0.07	24.5	0.237	1.143	0.271
	Band17/50%RB#24	1	Front	23780	709	22.98	-0.01	23.5	0.088	1.127	0.099
	Band17/50%RB#24	1	Back	23780	709	22.98	0.08	23.5	0.093	1.127	0.105
	Band17/50%RB#24	3	Front	23780	709	22.87	0.06	23.0	0.172	1.030	0.177
	Band17/50%RB#24	3	Back	23780	709	22.87	-0.08	23.0	0.248	1.030	0.255
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ TDD-LTE Band 38(20MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	Band38/1RB#99	2	Front	37850	2580	23.74	-0.07	24.5	0.326	1.191	1.008	0.391
	Band38/1RB#99	2	Back	37850	2580	23.74	-0.06	24.5	0.628	1.191	1.008	0.754
	Band38/1RB#99	5	Front	37850	2580	24.55	0.01	25.0	0.038	1.109	1.008	0.043
43	Band38/1RB#99	5	Back	37850	2580	24.55	-0.02	25.0	0.685	1.109	1.008	0.766
	Band38ENDC/1RB#0	4	Front	38000	2595	21.57	0.13	22.0	0.052	1.104	1.008	0.058
	Band38ENDC/1RB#0	4	Back	38000	2595	21.57	0.19	22.0	0.076	1.104	1.008	0.085
	Band38/50%RB#0	2	Front	37850	2580	22.73	-0.02	23.0	0.260	1.064	1.008	0.279
	Band38/50%RB#0	2	Back	37850	2580	22.73	-0.19	23.0	0.402	1.064	1.008	0.431
	Band38/50%RB#0	5	Front	38000	2595	23.62	0.05	24.0	0.030	1.091	1.008	0.032
	Band38/50%RB#0	5	Back	38000	2595	23.62	0.01	24.0	0.599	1.091	1.008	0.659
	Band38ENDC/50%RB#0	4	Front	38000	2595	20.63	0.04	21.0	0.042	1.089	1.008	0.046
	Band38ENDC/50%RB#0	4	Back	38000	2595	20.63	0.11	21.0	0.065	1.089	1.008	0.071
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ TDD-LTE Band 41(20MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	Band41/1RB#49	2	Front	39750	2506	24.39	0.05	24.5	0.026	1.026	1.008	0.027
	Band41/1RB#49	2	Back	39750	2506	24.39	-0.03	24.5	0.643	1.026	1.008	0.665
	Band41/1RB#0	5	Front	40620	2593	24.47	0.08	25.0	0.039	1.130	1.008	0.045
44	Band41/1RB#0	5	Back	40620	2593	24.47	-0.05	25.0	0.689	1.130	1.008	0.785
	Band41 ENDC/1RB#0	4	Front	40620	2593	21.46	-0.03	22.0	0.061	1.132	1.008	0.070
	Band41 ENDC/1RB#0	4	Back	40620	2593	21.46	-0.05	22.0	0.085	1.132	1.008	0.097
	Band41/50%RB#49	2	Front	39750	2506	23.33	0.05	23.5	0.023	1.040	1.008	0.024
	Band41/50%RB#49	2	Back	39750	2506	23.33	0.12	23.5	0.465	1.040	1.008	0.487
	Band41/50%RB#49	5	Front	40620	2593	23.66	0.11	24.0	0.032	1.081	1.008	0.035
	Band41/50%RB#49	5	Back	40620	2593	23.66	0.10	24.0	0.594	1.081	1.008	0.647
	Band41 ENDC/50%RB#0	4	Front	40620	2593	20.63	0.03	21.0	0.049	1.089	1.008	0.054
	Band41 ENDC/50%RB#0	4	Back	40620	2593	20.63	0.08	21.0	0.069	1.089	1.008	0.076
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ TDD-LTE Band 42(20MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	Band42/1RB#99	3	Front	42190	3460	23.57	0.01	24.0	0.143	1.104	1.008	0.159
	Band42/1RB#99	3	Back	42190	3460	23.57	0.07	24.0	0.189	1.104	1.008	0.210
	Band42/1RB#99	5	Front	42190	3460	24.57	-0.02	25.0	0.124	1.104	1.008	0.138
45	Band42/1RB#99	5	Back	42190	3460	24.57	-0.05	25.0	0.271	1.104	1.008	0.302
	Band42/50%RB#0	3	Front	42590	3500	22.52	-0.01	23.0	0.121	1.117	1.008	0.136
	Band42/50%RB#0	3	Back	42590	3500	22.52	0.00	23.0	0.162	1.117	1.008	0.182
	Band42/50%RB#49	5	Front	42190	3460	23.65	0.06	24.0	0.112	1.084	1.008	0.122
	Band42/50%RB#49	5	Back	42190	3460	23.65	0.09	24.0	0.250	1.084	1.008	0.273
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ FDD-LTE Band 66(20MHz) QPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band66/1RB#99	2	Front	132572	1770	23.54	-0.03	24.0	0.476	1.112	0.529
	Band66/1RB#99	2	Back	132572	1770	23.54	0.03	24.0	0.835	1.112	0.929
	Band66/1RB#99	2	Back	132072	1720	23.26	-0.17	24.0	0.892	1.186	1.058
46	Band66/1RB#99	2	Back	132322	1745	23.23	-0.03	24.0	0.890	1.194	1.063
	Band66/1RB#49	5	Front	132572	1770	24.09	-0.14	24.5	0.156	1.099	0.171
	Band66/1RB#49	5	Back	132572	1770	24.09	-0.11	24.5	0.235	1.099	0.258
	Band66ENDC/1RB#0	4	Front	132322	1745	21.06	0.03	21.5	0.096	1.107	0.106
	Band66ENDC/1RB#0	4	Back	132322	1745	21.06	0.08	21.5	0.123	1.107	0.136
	Band66/50%RB#49	2	Front	132322	1745	22.28	0.03	22.50	0.383	1.052	0.403
	Band66/50%RB#49	2	Back	132322	1745	22.28	0.07	22.50	0.668	1.052	0.703
	Band66/50%RB#0	5	Front	132572	1770	22.96	-0.04	23.5	0.122	1.132	0.138
	Band66/50%RB#0	5	Back	132572	1770	22.96	0.16	23.5	0.186	1.132	0.211
	Band66ENDC/50%RB#0	4	Front	132322	1745	19.95	-0.03	20.5	0.076	1.135	0.086
	Band66ENDC/50%RB#0	4	Back	132322	1745	19.95	-0.11	20.5	0.104	1.135	0.118
	Band66/100%RB#0	2	Back	132572	1770	22.36	0.00	22.50	0.594	1.033	0.614
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n5(20MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
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	NR n5 DFT-BPSK /1@1 20M	1	Front	167800	839	23.80	-0.05	24.0	0.158	1.047	0.165
	NR n5 DFT-BPSK /1@1 20M	1	Back	167800	839	23.80	0.09	24.0	0.174	1.047	0.182
	NR n5 DFT-BPSK /1@1 20M	3	Front	167300	836.5	23.47	0.06	24.0	0.515	1.130	0.582
	NR n5 DFT-BPSK /1@1 20M	3	Back	167300	836.5	23.47	-0.17	24.0	0.683	1.130	0.772
	NR n5 DFT-BPSK /25@12 20M	1	Front	166800	834	23.87	-0.05	24.0	0.203	1.030	0.209
	NR n5 DFT-BPSK /25@12 20M	1	Back	166800	834	23.87	0.07	24.0	0.219	1.030	0.226
	NR n5 DFT-BPSK /25@12 20M	3	Front	166800	834	23.61	0.10	24.0	0.581	1.094	0.636
47	NR n5 DFT-BPSK /25@12 20M	3	Back	166800	834	23.61	-0.11	24.0	0.743	1.094	0.813
	NR n5 DFT-BPSK /25@12 20M	3	Back	167300	836.5	23.54	0.14	24.0	0.667	1.112	0.742
	NR n5 DFT-BPSK /25@12 20M	3	Back	167800	839	23.55	-0.04	24.0	0.689	1.109	0.764
	NR n5 DFT-BPSK /50@020M	3	Back	166800	834	23.03	-0.07	24.0	0.551	1.250	0.689
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ NR n7(20MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n7 DFT-BPSK /1@1 20M	2	Front	502000	2510	22.93	-0.06	23.5	0.143	1.140	0.163
	NR n7 DFT-BPSK /1@1 20M	2	Back	502000	2510	22.93	-0.05	23.5	0.250	1.140	0.285
	NR n7 DFT-BPSK /1@49 20M	5	Front	507000	2535	22.85	-0.12	23.5	0.068	1.161	0.079
	NR n7 DFT-BPSK /1@49 20M	5	Back	507000	2535	22.85	-0.10	23.5	0.155	1.161	0.180
	NR n7 DFT-BPSK /25@12 20M	2	Front	507000	2535	23.07	0.13	23.5	0.201	1.104	0.222
48	NR n7 DFT-BPSK /25@12 20M	2	Back	507000	2535	23.07	0.01	23.5	0.259	1.104	0.286
	NR n7 DFT-BPSK /25@12 20M	5	Front	507000	2535	23.05	0.00	23.5	0.069	1.109	0.077
	NR n7 DFT-BPSK /25@12 20M	5	Back	507000	2535	23.05	-0.04	23.5	0.157	1.109	0.174

ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population	1.6 W/kg (mW/g) Averaged over 1g
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➤ NR n12(15MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n12 DFT-BPSK /1@1 15M	1	Front	141300	706.5	23.42	0.02	24.0	0.108	1.143	0.123
	NR n12 DFT-BPSK /1@1 15M	1	Back	141300	706.5	23.42	-0.07	24.0	0.108	1.143	0.123
	NR n12 DFT-BPSK /1@1 15M	3	Front	141300	706.5	23.27	0.04	23.5	0.141	1.054	0.149
	NR n12 DFT-BPSK /1@1 15M	3	Back	141300	706.5	23.27	-0.06	23.5	0.243	1.054	0.256
	NR n12 DFT-BPSK /18@9 15M	1	Front	141500	707.5	23.26	0.01	23.5	0.098	1.057	0.104
	NR n12 DFT-BPSK /18@9 15M	1	Back	141500	707.5	23.26	-0.02	23.5	0.102	1.057	0.108
	NR n12 DFT-BPSK /18@9 15M	3	Front	141700	708.5	23.14	0.01	23.5	0.203	1.086	0.220
49	NR n12 DFT-BPSK /18@9 15M	3	Back	141700	708.5	23.14	-0.18	23.5	0.348	1.086	0.378
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n38(40MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n38 DFT-BPSK /1@104 40M	2	Front	518000	2590	23.16	0.00	23.5	0.083	1.081	0.090
	NR n38 DFT-BPSK /1@104 40M	2	Back	518000	2590	23.16	-0.02	23.5	0.127	1.081	0.137
	NR n38 DFT-BPSK /1@1 40M	5	Front	520000	2600	23.57	0.07	24.0	0.060	1.104	0.066
	NR n38 DFT-BPSK /1@1 40M	5	Back	520000	2600	23.57	0.07	24.0	0.079	1.104	0.087
	NR n38 DFT-BPSK /50@25 40M	2	Front	520000	2600	23.21	0.08	23.5	0.089	1.069	0.095
50	NR n38 DFT-BPSK /50@25 40M	2	Back	520000	2600	23.21	0.05	23.5	0.132	1.069	0.141
	NR n38 DFT-BPSK /50@25 40M	5	Front	520000	2600	23.73	0.08	24.0	0.063	1.064	0.067
	NR n38 DFT-BPSK /50@25 40M	5	Back	520000	2600	23.73	0.15	24.0	0.071	1.064	0.076
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					

Spatial Peak Uncontrolled Exposure/General Population	Averaged over 1g
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➤ NR n41(100MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n41 DFT-BPSK /1@271 100M	2	Front	528000	2640	23.18	0.19	23.5	0.009	1.076	0.010
	NR n41 DFT-BPSK /1@271 100M	2	Back	528000	2640	23.18	-0.03	23.5	0.013	1.076	0.014
	NR n41 DFT-BPSK /1@1 100M	5	Front	528000	2640	23.80	-0.17	24.0	0.057	1.047	0.060
	NR n41 DFT-BPSK /1@1 100M	5	Back	528000	2640	23.80	-0.12	24.0	0.111	1.047	0.116
	NR n41 DFT-BPSK /135@67 100M	2	Front	518598	2592.99	23.09	0.00	23.5	0.008	1.099	0.009
	NR n41 DFT-BPSK /135@67 100M	2	Back	518598	2592.99	23.09	0.00	23.5	0.018	1.099	0.020
	NR n41 DFT-BPSK /135@67 100M	5	Front	518598	2592.99	23.78	-0.04	24.0	0.055	1.052	0.058
51	NR n41 DFT-BPSK /135@67 100M	5	Back	518598	2592.99	23.78	-0.09	24.0	0.117	1.052	0.123
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n66(40MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n66 DFT-BPSK /1@1 40M	2	Front	346000	1730	21.96	-0.01	22.5	0.215	1.132	0.243
	NR n66 DFT-BPSK /1@1 40M	2	Back	346000	1730	21.96	0.03	22.5	0.305	1.132	0.345
	NR n66 DFT-BPSK /1@1 40M	5	Front	346000	1730	21.67	0.00	22.0	0.142	1.079	0.153
	NR n66 DFT-BPSK /1@1 40M	5	Back	346000	1730	21.67	-0.12	22.0	0.208	1.079	0.224
	NR n66 DFT-BPSK /50@25 40M	2	Front	346000	1730	21.94	0.02	22.5	0.222	1.138	0.253
52	NR n66 DFT-BPSK /50@25 40M	2	Back	346000	1730	21.94	0.08	22.5	0.319	1.138	0.363
	NR n66 DFT-BPSK /50@25 40M	5	Front	346000	1730	21.36	-0.19	21.5	0.153	1.033	0.158
	NR n66 DFT-BPSK /50@25 40M	5	Back	346000	1730	21.36	0.02	21.5	0.211	1.033	0.218
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak						1.6 W/kg (mW/g) Averaged over 1g					

Uncontrolled Exposure/General Population

➤ NR n77(3450MHz~3550MHz) (100MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	3	Front	633334	3500.01	24.90	0.00	26.0	0.040	1.288	0.052
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	3	Back	633334	3500.01	24.90	0.00	26.0	0.070	1.288	0.091
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Front	633334	3500.01	24.52	0.00	25.5	0.070	1.253	0.088
53	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Back	633334	3500.01	24.52	0.00	25.5	0.168	1.253	0.211
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	3	Front	633334	3500.01	25.15	0.20	26.0	0.057	1.216	0.069
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	3	Back	633334	3500.01	25.15	0.00	26.0	0.059	1.216	0.072
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	5	Front	633334	3500.01	24.45	0.00	25.5	0.061	1.274	0.078
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	5	Back	633334	3500.01	24.45	0.03	25.5	0.100	1.274	0.127
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n77(3700MHz~3980MHz)(100MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	3	Front	650000	3750	24.99	0.00	25.5	0.030	1.125	0.033
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	3	Back	650000	3750	24.99	0.00	25.5	0.043	1.125	0.048
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Front	650000	3750	24.15	0.00	26.0	0.043	1.531	0.066
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Back	650000	3750	24.15	0.00	26.0	0.114	1.531	0.175
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	3	Front	650000	3750	25.17	0.00	25.5	0.033	1.079	0.035
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	3	Back	650000	3750	25.17	0.00	25.5	0.054	1.079	0.059
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Front	650000	3750	24.35	0.00	26.0	0.049	1.462	0.072
54	NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Back	650000	3750	24.35	0.03	26.0	0.137	1.462	0.200
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					

Spatial Peak Uncontrolled Exposure/General Population	Averaged over 1g
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➤ WLAN 2.4GHz Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	2.4GHz/802.11b	12	Front	1	2412	18.07	-0.06	18.5	0.038	1.104	1.000	0.042
55	2.4GHz/802.11b	12	Back	1	2412	18.07	-0.07	18.5	0.043	1.104	1.000	0.047
	2.4GHz/802.11b	13	Front	6	2437	17.28	0.04	17.5	0.031	1.052	1.000	0.033
	2.4GHz/802.11b	13	Back	6	2437	17.28	-0.02	17.5	0.040	1.052	1.000	0.042
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ WLAN 5.2GHz Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.2GHz/802.11a		Front	40	5200	17.09	0.00	17.5	0.025	1.099	1.000	0.027
56	5.2GHz/802.11a		Back	40	5200	17.09	0.00	17.5	0.031	1.099	1.000	0.034
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ WLAN 5.3GHz Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.3GHz/802.11a		Front	52	5260	17.56	0.00	18.0	0.032	1.107	1.000	0.035
57	5.3GHz/802.11a		Back	52	5260	17.56	0.01	18.0	0.052	1.107	1.000	0.057
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ WLAN 5.6GHz Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.6GHz/802.11a		Front	100	5500	16.73	0.00	17.0	0.040	1.064	1.000	0.042
58	5.6GHz/802.11a		Back	100	5500	16.73	0.00	17.0	0.047	1.064	1.000	0.050
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ WLAN 5.8GHz Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.8GHz/802.11a		Front	157	5785	16.73	0.00	17.0	0.041	1.064	1.000	0.044
59	5.8GHz/802.11a		Back	157	5785	16.73	0.00	17.0	0.067	1.064	1.000	0.071
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ Bluetooth Body SAR

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	BT/GFSK		Front	78	2480	15.09	-0.09	15.5	0.009	1.099	1.000	0.010
60	BT/GFSK		Back	78	2480	15.09	0.00	15.5	0.012	1.099	1.000	0.013
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

Note:

1. Body-worn SAR testing was performed at 10mm separation, and this distance is determined by the handset manufacturer that there will be body-worn accessories that users may acquire at the time of equipment certification, to enable users to purchase aftermarket body-worn accessories with the required minimum separation.
2. Per KDB 941225 D06v02r01, when the same wireless modes and device transmission configurations are required for testing body-worn accessories and hotspot mode, it is not necessary to test body-worn accessory SAR for the same device orientation if the test separation distance for hotspot mode is more conservative than that used for body-worn accessories.
3. Body-worn exposure conditions are intended to voice call operations, therefore GSM voice call is selected to be tested.
4. Per KDB 648474 D04v01r03, when the *Reported* SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. The WLAN SAR perform the front and back position, due considered the simultaneous SAR for body-worn.
6. Per KDB 447498 D01v06, for each exposure position, if the highest output channel Reported SAR ≤ 0.8 W/kg, other channels SAR testing is not necessary.
7. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8 W/kg.
8. Per KDB 941225 D05v02r05, 100% RB allocation SAR measurement is not required when the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg.
9. According to KDB 865664 D02v01r02, SAR plot is required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
10. Highlight part of test data means repeated test.
11. *: Due the antenna location and antenna performance results the SAR value lower than the lowest system limit, then we show "<0.001 W/Kg" in the report.

15.3 Body SAR in Hotspot Mode

➤ GSM Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	GPRS850/4 slots	1	Front	128	824.2	28.21	0.05	28.5	0.099	1.069	0.105
	GPRS850/4 slots	1	Back	128	824.2	28.21	0.06	28.5	0.130	1.069	0.139
	GPRS850/4 slots	1	Right	128	824.2	28.21	0.09	28.5	0.108	1.069	0.115
	GPRS850/4 slots	1	Bottom	128	824.2	28.21	0.13	28.5	0.067	1.069	0.071
	GPRS850/2 slots	3	Front	128	824.2	32.32	0.13	32.5	0.238	1.042	0.248
	GPRS850/2 slots	3	Back	128	824.2	32.32	-0.06	32.5	0.392	1.042	0.408
61	GPRS850/2 slots	3	Left	128	824.2	32.32	-0.02	32.5	0.466	1.042	0.486
	GPRS1900/2 slots	2	Front	810	1909.8	28.46	0.00	29.0	0.078	1.132	0.088
	GPRS1900/2 slots	2	Back	810	1909.8	28.46	0.04	29.0	0.203	1.132	0.230
	GPRS1900/2 slots	2	Left	810	1909.8	28.46	0.10	29.0	0.020	1.132	0.023
	GPRS1900/2 slots	2	Bottom	810	1909.8	28.46	-0.08	29.0	0.179	1.132	0.203
	GPRS1900/4 slots	5	Front	810	1909.8	24.57	-0.01	25.0	0.137	1.104	0.151
32	GPRS1900/4 slots	5	Back	810	1909.8	24.57	0.02	25.0	0.225	1.104	0.248
	GPRS1900/4 slots	5	Left	810	1909.8	24.57	0.17	25.0	0.099	1.104	0.109
	GPRS1900/4 slots	5	Top	810	1909.8	24.57	-0.19	25.0	0.186	1.104	0.205
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ WCDMA Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band II/RMC	2	Front	9538	1907.6	22.89	0.05	23.0	0.270	1.026	0.277
33	Band II/RMC	2	Back	9538	1907.6	22.89	-0.04	23.0	0.499	1.026	0.512
	Band II/RMC	2	Left	9538	1907.6	22.89	0.14	23.0	0.082	1.026	0.084
	Band II/RMC	2	Bottom	9538	1907.6	22.89	0.09	23.0	0.458	1.026	0.470
	Band II/RMC	5	Front	9400	1880	22.07	-0.15	22.5	0.266	1.104	0.294
	Band II/RMC	5	Back	9400	1880	22.07	-0.01	22.5	0.318	1.104	0.351
	Band II/RMC	5	Left	9400	1880	22.07	0.05	22.5	0.130	1.104	0.144
	Band II/RMC	5	Top	9400	1880	22.07	-0.15	22.5	0.446	1.104	0.492
	Band IV/RMC	2	Front	1413	1732.6	22.59	0.00	23.0	0.611	1.099	0.671
34	Band IV/RMC	2	Back	1413	1732.6	22.59	-0.01	23.0	0.972	1.099	1.068
	Band IV/RMC	2	Back	1413	1732.6	22.59	-0.12	23.0	0.948	1.099	1.042
	Band IV/RMC	2	Left	1413	1732.6	22.59	0.09	23.0	0.132	1.099	0.145
	Band IV/RMC	2	Bottom	1413	1732.6	22.59	0.04	23.0	0.909	1.099	0.999
	Band IV/RMC	2	Back	1312	1712.4	22.46	-0.06	23.0	0.854	1.132	0.967
	Band IV/RMC	2	Back	1513	1752.6	22.44	0.01	23.0	0.794	1.138	0.904
	Band IV/RMC	2	Bottom	1312	1712.4	22.46	0.06	23.0	0.886	1.132	1.003
	Band IV/RMC	2	Bottom	1513	1752.6	22.44	0.05	23.0	0.844	1.138	0.960
	Band IV/RMC	5	Front	1413	1732.6	22.54	-0.06	23.0	0.152	1.112	0.169
	Band IV/RMC	5	Back	1413	1732.6	22.54	-0.02	23.0	0.193	1.112	0.215
	Band IV/RMC	5	Left	1413	1732.6	22.54	0.02	23.0	0.046	1.112	0.051
	Band IV/RMC	5	Top	1413	1732.6	22.54	-0.02	23.0	0.202	1.112	0.225
	Band V/RMC	1	Front	4132	826.4	23.04	0.03	23.5	0.085	1.112	0.094
	Band V/RMC	1	Back	4132	826.4	23.04	0.19	23.5	0.122	1.112	0.136
	Band V/RMC	1	Right	4132	826.4	23.04	0.01	23.5	0.127	1.112	0.141
	Band V/RMC	1	Bottom	4132	826.4	23.04	0.03	23.5	0.048	1.112	0.053
	Band V/RMC	3	Front	4132	826.4	23.58	0.20	24.0	0.151	1.102	0.166
	Band V/RMC	3	Back	4132	826.4	23.58	0.00	24.0	0.248	1.102	0.273
62	Band V/RMC	3	Left	4132	826.4	23.58	-0.04	24.0	0.382	1.102	0.421
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 2(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power	Power Drift	Tune-Up Limit	Meas. SAR _{1g}	Scaling Factor	Reported SAR _{1g}
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						(dBm)	(dB)	(dBm)	(W/kg)		(W/kg)
	Band2/1RB#99	2	Front	18700	1860	23.79	-0.17	24.5	0.384	1.178	0.452
	Band2/1RB#99	2	Back	18700	1860	23.79	-0.17	24.5	0.608	1.178	0.716
	Band2/1RB#99	2	Left	18700	1860	23.79	-0.03	24.5	0.110	1.178	0.130
63	Band2/1RB#99	2	Bottom	18700	1860	23.79	0.12	24.5	0.674	1.178	0.794
	Band2/1RB#0	5	Front	18900	1880	24.42	-0.01	25.0	0.164	1.143	0.187
	Band2/1RB#0	5	Back	18900	1880	24.42	-0.08	25.0	0.242	1.143	0.277
	Band2/1RB#0	5	Left	18900	1880	24.42	-0.02	25.0	0.080	1.143	0.091
	Band2/1RB#0	5	Top	18900	1880	24.42	-0.02	25.0	0.178	1.143	0.203
	Band2ENDC/1RB#0	4	Front	18900	1880	21.42	0.03	22.0	0.098	1.143	0.112
	Band2ENDC/1RB#0	4	Back	18900	1880	21.42	0.05	22.0	0.126	1.143	0.144
	Band2ENDC/1RB#0	4	Left	18900	1880	21.42	0.09	22.0	0.113	1.143	0.129
	Band2ENDC/1RB#0	4	Top	18900	1880	21.42	0.01	22.0	0.053	1.143	0.061
	Band2/50%RB#0	2	Front	18900	1880	22.95	0.00	23.5	0.299	1.135	0.339
	Band2/50%RB#0	2	Back	18900	1880	22.95	0.00	23.5	0.478	1.135	0.543
	Band2/50%RB#0	2	Left	18900	1880	22.95	-0.16	23.5	0.079	1.135	0.090
	Band2/50%RB#0	2	Bottom	18900	1880	22.95	0.16	23.5	0.498	1.135	0.565
	Band2/50%RB#49	5	Front	18900	1880	23.35	-0.03	23.5	0.127	1.035	0.131
	Band2/50%RB#49	5	Back	18900	1880	23.35	0.09	23.5	0.182	1.035	0.188
	Band2/50%RB#49	5	Left	18900	1880	23.35	-0.04	23.5	0.063	1.035	0.065
	Band2/50%RB#49	5	Top	18900	1880	23.35	0.06	23.5	0.133	1.035	0.138
	Band2ENDC/1RB#0	4	Front	18900	1880	20.36	0.02	20.5	0.072	1.033	0.074
	Band2ENDC/1RB#0	4	Back	18900	1880	20.36	-0.03	20.5	0.108	1.033	0.112
	Band2ENDC/1RB#0	4	Left	18900	1880	20.36	-0.07	20.5	0.098	1.033	0.101
	Band2ENDC/1RB#0	4	Top	18900	1880	20.36	0.02	20.5	0.043	1.033	0.044
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 4(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band4/1RB#99	2	Front	20050	1720	23.26	-0.03	23.5	0.571	1.057	0.604
	Band4/1RB#99	2	Back	20050	1720	23.26	-0.09	23.5	0.804	1.057	0.850
	Band4/1RB#99	2	Left	20050	1720	23.26	0.12	23.5	0.118	1.057	0.125
	Band4/1RB#99	2	Bottom	20050	1720	23.26	0.11	23.5	1.010	1.057	1.068
	Band4/1RB#99	2	Bottom	20050	1720	23.26	0.17	23.5	0.985	1.057	1.041
	Band4/1RB#99	2	Back	20175	1732.5	22.86	0.00	23.5	0.852	1.159	0.987
	Band4/1RB#99	2	Back	20300	1745	22.70	-0.17	23.5	0.877	1.202	1.054
	Band4/1RB#99	2	Bottom	20175	1732.5	22.86	-0.08	23.5	0.934	1.159	1.083
64	Band4/1RB#99	2	Bottom	20300	1745	22.70	0.05	23.5	0.917	1.202	1.102
	Band4/1RB#99	5	Front	20050	1720	23.99	-0.10	24.5	0.126	1.125	0.142
	Band4/1RB#99	5	Back	20050	1720	23.99	-0.09	24.5	0.191	1.125	0.215
	Band4/1RB#99	5	Left	20050	1720	23.99	0.06	24.5	0.050	1.125	0.056
	Band4/1RB#99	5	Top	20050	1720	23.99	0.08	24.5	0.132	1.125	0.149
	Band4ENDC/1RB#0	4	Front	20050	1720	21.01	-0.04	21.5	0.113	1.119	0.126
	Band4ENDC/1RB#0	4	Back	20050	1720	21.01	0.03	21.5	0.156	1.119	0.175
	Band4ENDC/1RB#0	4	Left	20050	1720	21.01	0.01	21.5	0.134	1.119	0.150
	Band4ENDC/1RB#0	4	Top	20050	1720	21.01	-0.05	21.5	0.068	1.119	0.076
	Band4/50%RB#0	2	Front	20300	1745	22.23	-0.08	22.5	0.394	1.064	0.419
	Band4/50%RB#0	2	Back	20300	1745	22.23	-0.01	22.5	0.718	1.064	0.764
	Band4/50%RB#0	2	Left	20300	1745	22.23	0.02	22.5	0.092	1.064	0.097
	Band4/50%RB#0	2	Bottom	20300	1745	22.23	0.19	22.5	0.715	1.064	0.761
	Band4/50%RB#0	5	Front	20175	1732.5	23.18	-0.13	23.5	0.104	1.076	0.112
	Band4/50%RB#0	5	Back	20175	1732.5	23.18	0.01	23.5	0.174	1.076	0.187
	Band4/50%RB#0	5	Left	20175	1732.5	23.18	0.00	23.5	0.041	1.076	0.044
	Band4/50%RB#0	5	Top	20175	1732.5	23.18	0.03	23.5	0.106	1.076	0.114
	Band4ENDC/50%RB#0	4	Front	20050	1720	20.20	-0.03	20.5	0.088	1.072	0.094
	Band4ENDC/50%RB#0	4	Back	20050	1720	20.20	-0.08	20.5	0.122	1.072	0.131
	Band4ENDC/50%RB#0	4	Left	20050	1720	20.20	0.02	20.5	0.104	1.072	0.111
	Band4ENDC/50%RB#0	4	Top	20050	1720	20.20	0.09	20.5	0.051	1.072	0.055
	Band4/100%RB#0	2	Back	20300	1745	22.26	0.10	22.5	0.665	1.057	0.703

Band4/100%RB#0	2	Bottom	20300	1745	22.26	0.07	22.5	0.641	1.057	0.678
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 5(10MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band5/1RB#0	1	Front	20525	836.5	24.16	0.04	24.5	0.197	1.081	0.213
	Band5/1RB#0	1	Back	20525	836.5	24.16	-0.04	24.5	0.229	1.081	0.248
	Band5/1RB#0	1	Right	20525	836.5	24.16	-0.12	24.5	0.206	1.081	0.223
	Band5/1RB#0	1	Bottom	20525	836.5	24.16	-0.09	24.5	0.057	1.081	0.062
	Band5/1RB#0	3	Front	20600	844	23.92	-0.14	24.5	0.316	1.143	0.361
38	Band5/1RB#0	3	Back	20600	844	23.92	0.02	24.5	0.646	1.143	0.738
	Band5/1RB#0	3	Left	20600	844	23.92	0.01	24.5	0.645	1.143	0.737
	Band5/50%RB#12	1	Front	20525	836.52	23.12	0.00	23.5	0.140	1.091	0.153
	Band5/50%RB#12	1	Back	20525	836.52	23.12	0.01	23.5	0.167	1.091	0.182
	Band5/50%RB#12	1	Right	20525	836.52	23.12	-0.02	23.5	0.154	1.091	0.168
	Band5/50%RB#12	1	Bottom	20525	836.52	23.12	0.03	23.5	0.045	1.091	0.049
	Band5/50%RB#12	3	Front	20525	836.52	22.82	0.04	23.0	0.379	1.042	0.395
	Band5/50%RB#12	3	Back	20525	836.52	22.82	-0.13	23.0	0.569	1.042	0.593
	Band5/50%RB#12	3	Left	20525	836.52	22.82	0.03	23.0	0.525	1.042	0.547
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 7(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band7/1RB#49	2	Front	20850	2510	24.11	0.00	24.5	0.073	1.094	0.079
39	Band7/1RB#49	2	Back	20850	2510	24.11	0.08	24.5	0.128	1.094	0.140
	Band7/1RB#49	2	Left	20850	2510	24.11	0.09	24.5	0.013	1.094	0.014
	Band7/1RB#49	2	Bottom	20850	2510	24.11	0.03	24.5	0.036	1.094	0.039
	Band7/1RB#0	5	Front	20850	2510	24.32	0.03	24.5	0.037	1.042	0.038
	Band7/1RB#0	5	Back	20850	2510	24.32	0.12	24.5	0.114	1.042	0.119
	Band7/1RB#0	5	Left	20850	2510	24.32	0.05	24.5	0.024	1.042	0.025
	Band7/1RB#0	5	Top	20850	2510	24.32	0.07	24.5	0.040	1.042	0.041
	Band7ENDC/1RB#0	4	Front	21100	2535	21.33	0.01	21.5	0.053	1.040	0.055
	Band7ENDC/1RB#0	4	Back	21100	2535	21.33	0.03	21.5	0.088	1.040	0.092
	Band7ENDC/1RB#0	4	Left	21100	2535	21.33	0.00	21.5	0.065	1.040	0.068
	Band7ENDC/1RB#0	4	Top	21100	2535	21.33	-0.01	21.5	0.038	1.040	0.040
	Band7/50%RB#49	2	Front	20850	2510	23.10	0.09	23.5	0.060	1.096	0.066
	Band7/50%RB#49	2	Back	20850	2510	23.10	0.09	23.5	0.078	1.096	0.086
	Band7/50%RB#49	2	Left	20850	2510	23.10	0.00	23.5	0.009	1.096	0.010
	Band7/50%RB#49	2	Bottom	20850	2510	23.10	0.00	23.5	0.030	1.096	0.033
	Band7/50%RB#0	5	Front	21350	2560	23.45	0.11	24.0	0.031	1.135	0.035
	Band7/50%RB#0	5	Back	21350	2560	23.45	0.03	24.0	0.095	1.135	0.107
	Band7/50%RB#0	5	Left	21350	2560	23.45	0.08	24.0	0.020	1.135	0.022
	Band7/50%RB#0	5	Top	21350	2560	23.45	0.05	24.0	0.029	1.135	0.033
	Band7ENDC/50%RB#0	4	Front	21100	2535	20.45	0.02	21.0	0.044	1.135	0.050
	Band7ENDC/50%RB#0	4	Back	21100	2535	20.45	0.00	21.0	0.068	1.135	0.077
	Band7ENDC/50%RB#0	4	Left	21100	2535	20.45	0.00	21.0	0.052	1.135	0.059
	Band7ENDC/50%RB#0	4	Top	21100	2535	20.45	0.01	21.0	0.028	1.135	0.032
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ FDD-LTE Band 12(10MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
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	Band12/1RB#0	1	Front	23060	704	24.07	-0.06	24.5	0.104	1.104	0.115
	Band12/1RB#0	1	Back	23060	704	24.07	0.06	24.5	0.113	1.104	0.125
	Band12/1RB#0	1	Right	23060	704	24.07	-0.08	24.5	0.193	1.104	0.213
	Band12/1RB#0	1	Bottom	23060	704	24.07	-0.15	24.5	0.037	1.104	0.040
	Band12/1RB#0	3	Front	23095	707.5	23.92	0.03	24.5	0.165	1.143	0.189
	Band12/1RB#0	3	Back	23095	707.5	23.92	0.08	24.5	0.221	1.143	0.253
	Band12/1RB#0	3	Left	23095	707.5	23.92	0.04	24.5	0.275	1.143	0.314
	Band12/50%RB#0	1	Front	23060	704	23.04	0.00	23.5	0.081	1.112	0.090
	Band12/50%RB#0	1	Back	23060	704	23.04	-0.11	23.5	0.084	1.112	0.093
	Band12/50%RB#0	1	Right	23060	704	23.04	0.06	23.5	0.155	1.112	0.172
	Band12/50%RB#0	1	Bottom	23060	704	23.04	-0.16	23.5	0.027	1.112	0.030
	Band12/50%RB#0	3	Front	23060	704	22.92	0.14	23.5	0.126	1.143	0.144
	Band12/50%RB#0	3	Back	23060	704	22.92	-0.10	23.5	0.193	1.143	0.221
65	Band12/50%RB#0	3	Left	23060	704	22.92	0.02	23.5	0.352	1.143	0.402
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 13(10MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band13/1RB#49	1	Front	23230	782	24.28	-0.06	24.5	0.121	1.052	0.127
	Band13/1RB#49	1	Back	23230	782	24.28	0.07	24.5	0.151	1.052	0.159
	Band13/1RB#49	1	Right	23230	782	24.28	-0.04	24.5	0.270	1.052	0.284
	Band13/1RB#49	1	Bottom	23230	782	24.28	-0.14	24.5	0.081	1.052	0.086
	Band13/1RB#24	3	Front	23230	782	23.97	0.09	24.5	0.389	1.130	0.440
	Band13/1RB#24	3	Back	23230	782	23.97	0.13	24.5	0.443	1.130	0.501
66	Band13/1RB#24	3	Left	23230	782	23.97	0.01	24.5	0.509	1.130	0.575
	Band13/50%RB#0	1	Front	23230	782	23.23	-0.02	23.5	0.098	1.064	0.104
	Band13/50%RB#0	1	Back	23230	782	23.23	0.04	23.5	0.125	1.064	0.133
	Band13/50%RB#0	1	Right	23230	782	23.23	0.07	23.5	0.220	1.064	0.234
	Band13/50%RB#0	1	Bottom	23230	782	23.23	-0.04	23.5	0.065	1.064	0.069
	Band13/50%RB#12	3	Front	23230	782	22.96	0.07	23.5	0.309	1.132	0.350
	Band13/50%RB#12	3	Back	23230	782	22.96	0.05	23.5	0.412	1.132	0.466
	Band13/50%RB#12	3	Left	23230	782	22.96	0.02	23.5	0.404	1.132	0.457
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ FDD-LTE Band 17(10MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band17/1RB#0	1	Front	23780	709	23.98	-0.04	24.5	0.119	1.127	0.134
	Band17/1RB#0	1	Back	23780	709	23.98	-0.07	24.5	0.132	1.127	0.149
	Band17/1RB#0	1	Right	23780	709	23.98	0.09	24.5	0.222	1.127	0.250
	Band17/1RB#0	1	Bottom	23780	709	23.98	0.00	24.5	0.048	1.127	0.054
	Band17/1RB#49	3	Front	23780	709	23.92	0.04	24.5	0.218	1.143	0.249
	Band17/1RB#49	3	Back	23780	709	23.92	0.07	24.5	0.237	1.143	0.271
	Band17/1RB#49	3	Left	23780	709	23.92	0.15	24.5	0.288	1.143	0.329
	Band17/50%RB#24	1	Front	23780	709	22.98	-0.01	23.5	0.088	1.127	0.099
	Band17/50%RB#24	1	Back	23780	709	22.98	0.08	23.5	0.093	1.127	0.105
	Band17/50%RB#24	1	Right	23780	709	22.98	-0.10	23.5	0.171	1.127	0.193
	Band17/50%RB#24	1	Bottom	23780	709	22.98	-0.18	23.5	0.036	1.127	0.040
	Band17/50%RB#24	3	Front	23780	709	22.87	0.06	23.0	0.172	1.030	0.177
	Band17/50%RB#24	3	Back	23780	709	22.87	-0.08	23.0	0.248	1.030	0.255
67	Band17/50%RB#24	3	Left	23780	709	22.87	0.06	23.0	0.436	1.030	0.449
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					
Spatial Peak						Averaged over 1g					
Uncontrolled Exposure/General Population											

➤ TDD-LTE Band 38(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	Band38/1RB#99	2	Front	37850	2580	23.74	-0.07	24.5	0.326	1.191	1.008	0.391
	Band38/1RB#99	2	Back	37850	2580	23.74	-0.06	24.5	0.628	1.191	1.008	0.754
	Band38/1RB#99	2	Left	37850	2580	23.74	0.13	24.5	0.107	1.191	1.008	0.128
	Band38/1RB#99	2	Bottom	37850	2580	23.74	0.09	24.5	0.481	1.191	1.008	0.577
	Band38/1RB#99	5	Front	37850	2580	24.55	0.01	25.0	0.038	1.109	1.008	0.043
43	Band38/1RB#99	5	Back	37850	2580	24.55	-0.02	25.0	0.685	1.109	1.008	0.766
	Band38/1RB#99	5	Left	37850	2580	24.55	0.06	25.0	0.029	1.109	1.008	0.032
	Band38/1RB#99	5	Top	37850	2580	24.55	0.06	25.0	0.040	1.109	1.008	0.044
	Band38ENDC/1RB#0	4	Front	38000	2595	21.57	0.13	22.0	0.052	1.104	1.008	0.058
	Band38ENDC/1RB#0	4	Back	38000	2595	21.57	0.19	22.0	0.076	1.104	1.008	0.085
	Band38ENDC/1RB#0	4	Left	38000	2595	21.57	0.01	22.0	0.065	1.104	1.008	0.072
	Band38ENDC/1RB#0	4	Top	38000	2595	21.57	0.03	22.0	0.026	1.104	1.008	0.029
	Band38/50%RB#0	2	Front	37850	2580	22.73	-0.02	23.0	0.260	1.064	1.008	0.279
	Band38/50%RB#0	2	Back	37850	2580	22.73	-0.19	23.0	0.402	1.064	1.008	0.431
	Band38/50%RB#0	2	Left	37850	2580	22.73	0.12	23.0	0.093	1.064	1.008	0.099
	Band38/50%RB#0	2	Bottom	37850	2580	22.73	-0.06	23.0	0.399	1.064	1.008	0.428
	Band38/50%RB#0	5	Front	38000	2595	23.62	0.05	24.0	0.030	1.091	1.008	0.032
	Band38/50%RB#0	5	Back	38000	2595	23.62	0.01	24.0	0.599	1.091	1.008	0.659
	Band38/50%RB#0	5	Left	38000	2595	23.62	0.03	24.0	0.020	1.091	1.008	0.022
	Band38/50%RB#0	5	Top	38000	2595	23.62	0.02	24.0	0.033	1.091	1.008	0.036
	Band38ENDC/50%RB#0	4	Front	38000	2595	20.63	0.04	21.0	0.042	1.089	1.008	0.046
	Band38ENDC/50%RB#0	4	Back	38000	2595	20.63	0.11	21.0	0.065	1.089	1.008	0.071
	Band38ENDC/50%RB#0	4	Left	38000	2595	20.63	0.03	21.0	0.057	1.089	1.008	0.063
	Band38ENDC/50%RB#0	4	Top	38000	2595	20.63	0.09	21.0	0.020	1.089	1.008	0.022
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ TDD-LTE Band 41(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	Band41/1RB#49	2	Front	39750	2506	24.39	0.05	24.5	0.026	1.026	1.008	0.027
	Band41/1RB#49	2	Back	39750	2506	24.39	-0.03	24.5	0.643	1.026	1.008	0.665
	Band41/1RB#49	2	Left	39750	2506	24.39	0.00	24.5	0.010	1.026	1.008	0.010
	Band41/1RB#49	2	Bottom	39750	2506	24.39	0.00	24.5	0.483	1.026	1.008	0.500
	Band41/1RB#0	5	Front	40620	2593	24.47	0.08	25.0	0.039	1.130	1.008	0.045
44	Band41/1RB#0	5	Back	40620	2593	24.47	-0.05	25.0	0.689	1.130	1.008	0.785
	Band41/1RB#0	5	Left	40620	2593	24.47	-0.10	25.0	0.218	1.130	1.008	0.248
	Band41/1RB#0	5	Top	40620	2593	24.47	0.02	25.0	0.041	1.130	1.008	0.047
	Band41 ENDC/1RB#0	4	Front	40620	2593	21.46	-0.03	22.0	0.061	1.132	1.008	0.070
	Band41 ENDC/1RB#0	4	Back	40620	2593	21.46	-0.05	22.0	0.085	1.132	1.008	0.097
	Band41 ENDC/1RB#0	4	Left	40620	2593	21.46	-0.09	22.0	0.073	1.132	1.008	0.083
	Band41 ENDC/1RB#0	4	Top	40620	2593	21.46	-0.01	22.0	0.038	1.132	1.008	0.043
	Band41/50%RB#49	2	Front	39750	2506	23.33	0.05	23.5	0.023	1.040	1.008	0.024
	Band41/50%RB#49	2	Back	39750	2506	23.33	0.12	23.5	0.465	1.040	1.008	0.487
	Band41/50%RB#49	2	Left	39750	2506	23.33	0.00	23.5	0.008	1.040	1.008	0.008
	Band41/50%RB#49	2	Bottom	39750	2506	23.33	-0.05	23.5	0.391	1.040	1.008	0.410
	Band41/50%RB#49	5	Front	40620	2593	23.66	0.11	24.0	0.032	1.081	1.008	0.035
	Band41/50%RB#49	5	Back	40620	2593	23.66	0.10	24.0	0.594	1.081	1.008	0.647
	Band41/50%RB#49	5	Left	40620	2593	23.66	0.03	24.0	0.163	1.081	1.008	0.178
	Band41/50%RB#49	5	Top	40620	2593	23.66	0.08	24.0	0.033	1.081	1.008	0.036
	Band41 ENDC/50%RB#0	4	Front	40620	2593	20.63	0.03	21.0	0.049	1.089	1.008	0.054
	Band41 ENDC/50%RB#0	4	Back	40620	2593	20.63	0.08	21.0	0.069	1.089	1.008	0.076
	Band41 ENDC/50%RB#0	4	Left	40620	2593	20.63	0.06	21.0	0.057	1.089	1.008	0.063
	Band41 ENDC/50%RB#0	4	Top	40620	2593	20.63	0.01	21.0	0.031	1.089	1.008	0.034
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ TDD-LTE Band 42(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	Band42/1RB#99	3	Front	42190	3460	23.57	0.01	24.0	0.143	1.104	1.008	0.159
	Band42/1RB#99	3	Back	42190	3460	23.57	0.07	24.0	0.189	1.104	1.008	0.210
68	Band42/1RB#99	3	Left	42190	3460	23.57	0.03	24.0	0.772	1.104	1.008	0.859
	Band42/1RB#99	3	Left	42590	3500	24.52	0.01	25.0	0.719	1.117	1.008	0.810
	Band42/1RB#99	3	Left	42990	3540	24.55	0.01	25.0	0.737	1.109	1.008	0.824
	Band42/1RB#99	5	Front	42190	3460	24.57	-0.02	25.0	0.124	1.104	1.008	0.138
	Band42/1RB#99	5	Back	42190	3460	24.57	-0.05	25.0	0.271	1.104	1.008	0.302
	Band42/1RB#99	5	Left	42190	3460	24.57	0.06	25.0	0.031	1.104	1.008	0.035
	Band42/1RB#99	5	Top	42190	3460	24.57	0.01	25.0	0.284	1.104	1.008	0.316
	Band42/50%RB#0	3	Front	42590	3500	22.52	-0.01	23.0	0.121	1.117	1.008	0.136
	Band42/50%RB#0	3	Back	42590	3500	22.52	0.00	23.0	0.162	1.117	1.008	0.182
	Band42/50%RB#0	3	Left	42590	3500	22.52	0.18	23.0	0.562	1.117	1.008	0.633
	Band42/50%RB#49	5	Front	42190	3460	23.65	0.06	24.0	0.112	1.084	1.008	0.122
	Band42/50%RB#49	5	Back	42190	3460	23.65	0.09	24.0	0.250	1.084	1.008	0.273
	Band42/50%RB#49	5	Left	42190	3460	23.65	-0.04	24.0	0.025	1.084	1.008	0.027
	Band42/50%RB#49	5	Top	42190	3460	23.65	-0.11	24.0	0.253	1.084	1.008	0.276
	Band42/100%RB#0	3	Left	42190	3460	23.63	0.15	24.0	0.499	1.089	1.008	0.548
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)						
Spatial Peak						Averaged over 1g						
Uncontrolled Exposure/General Population												

➤ FDD-LTE Band 66(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	Band66/1RB#99	2	Front	132572	1770	23.54	-0.03	24.0	0.476	1.112	0.529
	Band66/1RB#99	2	Back	132572	1770	23.54	0.03	24.0	0.835	1.112	0.929
	Band66/1RB#99	2	Left	132572	1770	23.54	-0.12	24.0	0.128	1.112	0.142
	Band66/1RB#99	2	Bottom	132572	1770	23.54	0.12	24.0	0.879	1.112	0.977
	Band66/1RB#99	2	Bottom	132072	1720	23.26	0.16	24.0	0.926	1.186	1.098
	Band66/1RB#99	2	Bottom	132072	1720	23.26	0.02	24.0	0.903	1.186	1.071
69	Band66/1RB#99	2	Bottom	132322	1745	23.23	0.12	24.0	0.921	1.194	1.100
	Band66/1RB#99	2	Back	132072	1720	23.26	-0.17	24.0	0.892	1.186	1.058
	Band66/1RB#99	2	Back	132322	1745	23.23	-0.03	24.0	0.890	1.194	1.063
	Band66/1RB#49	5	Front	132572	1770	24.09	-0.14	24.5	0.156	1.099	0.171
	Band66/1RB#49	5	Back	132572	1770	24.09	-0.11	24.5	0.235	1.099	0.258
	Band66/1RB#49	5	Left	132572	1770	24.09	0.19	24.5	0.062	1.099	0.068
	Band66/1RB#49	5	Top	132572	1770	24.09	0.09	24.5	0.195	1.099	0.214
	Band66ENDC/1RB#0	4	Front	132322	1745	21.06	0.03	21.5	0.096	1.107	0.106
	Band66ENDC/1RB#0	4	Back	132322	1745	21.06	0.08	21.5	0.123	1.107	0.136
	Band66ENDC/1RB#0	4	Left	132322	1745	21.06	0.01	21.5	0.106	1.107	0.117
	Band66ENDC/1RB#0	4	Top	132322	1745	21.06	0.00	21.5	0.064	1.107	0.071
	Band66/50%RB#49	2	Front	132322	1745	22.28	0.03	22.50	0.383	1.052	0.403
	Band66/50%RB#49	2	Back	132322	1745	22.28	0.07	22.50	0.668	1.052	0.703
	Band66/50%RB#49	2	Left	132322	1745	22.28	-0.02	22.50	0.106	1.052	0.112
	Band66/50%RB#49	2	Bottom	132322	1745	22.28	0.02	22.50	0.725	1.052	0.763
	Band66/50%RB#24	2	Bottom	132072	1720	22.04	0.07	22.50	0.724	1.112	0.805
	Band66/50%RB#49	2	Bottom	132572	1770	22.26	0.13	22.50	0.746	1.057	0.789
	Band66/50%RB#0	5	Front	132572	1770	22.96	-0.04	23.5	0.122	1.132	0.138
	Band66/50%RB#0	5	Back	132572	1770	22.96	0.16	23.5	0.186	1.132	0.211
	Band66/50%RB#0	5	Left	132572	1770	22.96	-0.11	23.5	0.042	1.132	0.048
	Band66/50%RB#0	5	Top	132572	1770	22.96	0.04	23.5	0.151	1.132	0.171
	Band66ENDC/50%RB#0	4	Front	132322	1745	19.95	-0.03	20.5	0.076	1.135	0.086
	Band66ENDC/50%RB#0	4	Back	132322	1745	19.95	-0.11	20.5	0.104	1.135	0.118
	Band66ENDC/50%RB#0	4	Left	132322	1745	19.95	-0.05	20.5	0.088	1.135	0.100
	Band66ENDC/50%RB#0	4	Top	132322	1745	19.95	-0.07	20.5	0.052	1.135	0.059
	Band66/100%RB#0	2	Back	132572	1770	22.36	0.00	22.50	0.594	1.033	0.614
	Band66/100%RB#0	2	Bottom	132572	1770	22.36	-0.15	22.50	0.563	1.033	0.582
ANSI / IEEE C95.1 – SAFETY LIMIT						1.6 W/kg (mW/g)					

Spatial Peak Uncontrolled Exposure/General Population	Averaged over 1g
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➤ NR n5(20MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n5 DFT-BPSK /1@1 20M	1	Front	167800	839	23.80	-0.05	24.0	0.158	1.047	0.165
	NR n5 DFT-BPSK /1@1 20M	1	Back	167800	839	23.80	0.09	24.0	0.174	1.047	0.182
	NR n5 DFT-BPSK /1@1 20M	1	Right	167800	839	23.80	0.17	24.0	0.175	1.047	0.183
	NR n5 DFT-BPSK /1@1 20M	1	Bottom	167800	839	23.80	0.16	24.0	0.075	1.047	0.079
	NR n5 DFT-BPSK /1@1 20M	3	Front	167300	836.5	23.47	0.06	24.0	0.515	1.130	0.582
	NR n5 DFT-BPSK /1@1 20M	3	Back	167300	836.5	23.47	-0.17	24.0	0.683	1.130	0.772
	NR n5 DFT-BPSK /1@1 20M	3	Left	167300	836.5	23.47	0.14	24.0	0.856	1.130	0.967
	NR n5 DFT-BPSK /1@1 20M	3	Left	166800	834	23.45	0.15	24.0	0.777	1.135	0.882
	NR n5 DFT-BPSK /1@1 20M	3	Left	167800	839	23.45	0.15	24.0	0.815	1.135	0.925
	NR n5 DFT-BPSK /25@12 20M	1	Front	166800	834	23.87	-0.05	24.0	0.203	1.030	0.209
	NR n5 DFT-BPSK /25@12 20M	1	Back	166800	834	23.87	0.07	24.0	0.219	1.030	0.226
	NR n5 DFT-BPSK /25@12 20M	1	Right	166800	834	23.87	0.00	24.0	0.211	1.030	0.217
	NR n5 DFT-BPSK /25@12 20M	1	Bottom	166800	834	23.87	-0.01	24.0	0.124	1.030	0.128
	NR n5 DFT-BPSK /25@12 20M	3	Front	166800	834	23.61	0.10	24.0	0.581	1.094	0.636
	NR n5 DFT-BPSK /25@12 20M	3	Back	166800	834	23.61	-0.11	24.0	0.743	1.094	0.813
	NR n5 DFT-BPSK /25@12 20M	3	Left	166800	834	23.61	0.17	24.0	0.932	1.094	1.020
	NR n5 DFT-BPSK /25@12 20M	3	Back	167300	836.5	23.54	0.14	24.0	0.667	1.112	0.742
	NR n5 DFT-BPSK /25@12 20M	3	Back	167800	839	23.55	-0.04	24.0	0.689	1.109	0.764
	NR n5 DFT-BPSK /25@12 20M	3	Left	167300	836.5	23.54	0.16	24.0	0.988	1.112	1.099
70	NR n5 DFT-BPSK	3	Left	167800	839	23.55	0.17	24.0	1.020	1.109	1.131

	/25@12 20M										
	NR n5 DFT-BPSK /25@12 20M	3	Left	167800	839	23.55	0.03	24.0	0.976	1.109	1.082
	NR n5 DFT-BPSK /50@020M	3	Back	166800	834	23.03	-0.07	24.0	0.551	1.250	0.689
	NR n5 DFT-BPSK /50@0 20M	3	Left	166800	834	23.03	0.04	24.0	0.633	1.250	0.791
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n7(20MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n7 DFT-BPSK /1@1 20M	2	Front	502000	2510	22.93	-0.06	23.5	0.143	1.140	0.163
	NR n7 DFT-BPSK /1@1 20M	2	Back	502000	2510	22.93	-0.05	23.5	0.250	1.140	0.285
	NR n7 DFT-BPSK /1@1 20M	2	Left	502000	2510	22.93	-0.19	23.5	0.039	1.140	0.044
	NR n7 DFT-BPSK /1@1 20M	2	Bottom	502000	2510	22.93	0.01	23.5	0.219	1.140	0.250
	NR n7 DFT-BPSK /1@49 20M	5	Front	507000	2535	22.85	-0.12	23.5	0.068	1.161	0.079
	NR n7 DFT-BPSK /1@49 20M	5	Back	507000	2535	22.85	-0.10	23.5	0.155	1.161	0.180
	NR n7 DFT-BPSK /1@49 20M	5	Left	507000	2535	22.85	0.05	23.5	0.129	1.161	0.150
	NR n7 DFT-BPSK /1@49 20M	5	Top	507000	2535	22.85	0.14	23.5	0.152	1.161	0.176
	NR n7 DFT-BPSK /25@12 20M	2	Front	507000	2535	23.07	0.13	23.5	0.201	1.104	0.222
48	NR n7 DFT-BPSK /25@12 20M	2	Back	507000	2535	23.07	0.01	23.5	0.259	1.104	0.286
	NR n7 DFT-BPSK /25@12 20M	2	Left	507000	2535	23.07	-0.07	23.5	0.047	1.104	0.052
	NR n7 DFT-BPSK /25@12 20M	2	Bottom	507000	2535	23.07	0.07	23.5	0.243	1.104	0.268
	NR n7 DFT-BPSK /25@12 20M	5	Front	507000	2535	23.05	0.00	23.5	0.069	1.109	0.077
	NR n7 DFT-BPSK /25@12 20M	5	Back	507000	2535	23.05	-0.04	23.5	0.157	1.109	0.174
	NR n7 DFT-BPSK /25@12 20M	5	Left	507000	2535	23.05	-0.16	23.5	0.121	1.109	0.134
	NR n7 DFT-BPSK /25@12 20M	5	Top	507000	2535	23.05	0.07	23.8	0.148	1.189	0.176

ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population	1.6 W/kg (mW/g) Averaged over 1g
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➤ NR n12(15MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n12 DFT-BPSK /1@1 15M	1	Front	141300	706.5	23.42	0.02	24.0	0.108	1.143	0.123
	NR n12 DFT-BPSK /1@1 15M	1	Back	141300	706.5	23.42	-0.07	24.0	0.108	1.143	0.123
	NR n12 DFT-BPSK /1@1 15M	1	Right	141300	706.5	23.42	0.17	24.0	0.151	1.143	0.173
	NR n12 DFT-BPSK /1@1 15M	1	Bottom	141300	706.5	23.42	-0.03	24.0	0.039	1.143	0.045
	NR n12 DFT-BPSK /1@1 15M	3	Front	141300	706.5	23.27	0.04	23.5	0.141	1.054	0.149
	NR n12 DFT-BPSK /1@1 15M	3	Back	141300	706.5	23.27	-0.06	23.5	0.243	1.054	0.256
	NR n12 DFT-BPSK /1@1 15M	3	Left	141300	706.5	23.27	0.14	23.5	0.289	1.054	0.305
	NR n12 DFT-BPSK /18@9 15M	1	Front	141500	707.5	23.26	0.01	23.5	0.098	1.057	0.104
	NR n12 DFT-BPSK /18@9 15M	1	Back	141500	707.5	23.26	-0.02	23.5	0.102	1.057	0.108
	NR n12 DFT-BPSK /18@9 15M	1	Right	141500	707.5	23.26	-0.09	23.5	0.163	1.057	0.172
	NR n12 DFT-BPSK /18@9 15M	1	Bottom	141500	707.5	23.26	0.00	23.5	0.041	1.057	0.043
	NR n12 DFT-BPSK /18@9 15M	3	Front	141700	708.5	23.14	0.01	23.5	0.203	1.086	0.220
	NR n12 DFT-BPSK /18@9 15M	3	Back	141700	708.5	23.14	-0.18	23.5	0.348	1.086	0.378
71	NR n12 DFT-BPSK /18@9 15M	3	Left	141700	708.5	23.14	0.17	23.5	0.368	1.086	0.400
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n38(40MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n38 DFT-BPSK /1@104 40M	2	Front	518000	2590	23.16	0.00	23.5	0.083	1.081	0.090
	NR n38 DFT-BPSK /1@104 40M	2	Back	518000	2590	23.16	-0.02	23.5	0.127	1.081	0.137
	NR n38	2	Left	518000	2590	23.16	-0.18	23.5	0.024	1.081	0.026

	DFT-BPSK /1@104 40M										
	NR n38 DFT-BPSK /1@104 40M	2	Bottom	518000	2590	23.16	0.11	23.5	0.131	1.081	0.142
	NR n38 DFT-BPSK /1@1 40M	5	Front	520000	2600	23.57	0.07	24.0	0.060	1.104	0.066
	NR n38 DFT-BPSK /1@1 40M	5	Back	520000	2600	23.57	0.07	24.0	0.079	1.104	0.087
	NR n38 DFT-BPSK /1@1 40M	5	Left	520000	2600	23.57	0.09	24.0	0.057	1.104	0.063
	NR n38 DFT-BPSK /1@1 40M	5	Top	520000	2600	23.57	0.06	24.0	0.100	1.104	0.110
	NR n38 DFT-BPSK /50@25 40M	2	Front	520000	2600	23.21	0.08	23.5	0.089	1.069	0.095
	NR n38 DFT-BPSK /50@25 40M	2	Back	520000	2600	23.21	0.02	23.5	0.132	1.069	0.141
	NR n38 DFT-BPSK /50@25 40M	2	Left	520000	2600	23.21	0.07	23.5	0.030	1.069	0.032
72	NR n38 DFT-BPSK /50@25 40M	2	Bottom	520000	2600	23.21	0.15	23.5	0.142	1.069	0.152
	NR n38 DFT-BPSK /50@25 40M	5	Front	520000	2600	23.73	0.08	24.0	0.063	1.064	0.067
	NR n38 DFT-BPSK /50@25 40M	5	Back	520000	2600	23.73	0.15	24.0	0.071	1.064	0.076
	NR n38 DFT-BPSK /50@25 40M	5	Left	520000	2600	23.73	0.03	24.0	0.061	1.064	0.065
	NR n38 DFT-BPSK /50@25 40M	5	Top	520000	2600	23.73	0.07	24.0	0.114	1.064	0.121
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n41(100MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n41 DFT-BPSK /1@271 100M	2	Front	528000	2640	23.18	0.19	23.5	0.009	1.076	0.010
	NR n41 DFT-BPSK /1@271 100M	2	Back	528000	2640	23.18	-0.03	23.5	0.013	1.076	0.014
	NR n41 DFT-BPSK /1@271 100M	2	Left	528000	2640	23.18	-0.01	23.5	0.002	1.076	0.002
	NR n41 DFT-BPSK /1@271 100M	2	Bottom	528000	2640	23.18	0.01	23.5	0.014	1.076	0.015
	NR n41 DFT-BPSK /1@1 100M	5	Front	528000	2640	23.80	-0.17	24.0	0.057	1.047	0.060
	NR n41 DFT-BPSK	5	Back	528000	2640	23.80	-0.12	24.0	0.111	1.047	0.116

	/1@1 100M										
	NR n41 DFT-BPSK /1@1 100M	5	Left	528000	2640	23.80	0.16	24.0	0.061	1.047	0.064
	NR n41 DFT-BPSK /1@1 100M	5	Top	528000	2640	23.80	-0.20	24.0	0.112	1.047	0.117
	NR n41 DFT-BPSK /135@67 100M	2	Front	518598	2592.99	23.09	0.00	23.5	0.008	1.099	0.009
	NR n41 DFT-BPSK /135@67 100M	2	Back	518598	2592.99	23.09	0.00	23.5	0.018	1.099	0.020
	NR n41 DFT-BPSK /135@67 100M	2	Left	518598	2592.99	23.09	0.04	23.5	0.005	1.099	0.005
	NR n41 DFT-BPSK /135@67 100M	2	Bottom	518598	2592.99	23.09	0.00	23.5	0.020	1.099	0.022
	NR n41 DFT-BPSK /135@67 100M	5	Front	518598	2592.99	23.78	-0.04	24.0	0.055	1.052	0.058
	NR n41 DFT-BPSK /135@67 100M	5	Back	518598	2592.99	23.78	-0.09	24.0	0.117	1.052	0.123
	NR n41 DFT-BPSK /135@67 100M	5	Left	518598	2592.99	23.78	-0.13	24.0	0.066	1.052	0.069
73	NR n41 DFT-BPSK /135@67 100M	5	Top	518598	2592.99	23.78	-0.19	24.0	0.134	1.052	0.141
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n66(40MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n66 DFT-BPSK /1@1 40M	2	Front	346000	1730	21.96	-0.01	22.5	0.215	1.132	0.243
	NR n66 DFT-BPSK /1@1 40M	2	Back	346000	1730	21.96	0.03	22.5	0.305	1.132	0.345
	NR n66 DFT-BPSK /1@1 40M	2	Left	346000	1730	21.96	0.07	22.5	0.048	1.132	0.054
	NR n66 DFT-BPSK /1@1 40M	2	Bottom	346000	1730	21.96	-0.02	22.5	0.348	1.132	0.394
	NR n66 DFT-BPSK /1@1 40M	5	Front	346000	1730	21.67	0.00	22.0	0.142	1.079	0.153
	NR n66 DFT-BPSK /1@1 40M	5	Back	346000	1730	21.67	-0.12	22.0	0.208	1.079	0.224
	NR n66 DFT-BPSK /1@1 40M	5	Left	346000	1730	21.67	0.01	22.0	0.120	1.079	0.129
	NR n66 DFT-BPSK /1@1 40M	5	Top	346000	1730	21.67	0.08	22.0	0.209	1.079	0.226
	NR n66 DFT-BPSK /50@25 40M	2	Front	346000	1730	21.94	0.02	22.5	0.222	1.138	0.253

	NR n66 DFT-BPSK /50@25 40M	2	Back	346000	1730	21.94	0.08	22.5	0.319	1.138	0.363
	NR n66 DFT-BPSK /50@25 40M	2	Left	346000	1730	21.94	0.04	22.5	0.051	1.138	0.058
74	NR n66 DFT-BPSK /50@25 40M	2	Bottom	346000	1730	21.94	-0.14	22.5	0.366	1.138	0.417
	NR n66 DFT-BPSK /50@25 40M	5	Front	346000	1730	21.36	-0.19	21.5	0.153	1.033	0.158
	NR n66 DFT-BPSK /50@25 40M	5	Back	346000	1730	21.36	0.02	21.5	0.211	1.033	0.218
	NR n66 DFT-BPSK /50@25 40M	5	Left	346000	1730	21.36	0.06	21.5	0.106	1.033	0.109
	NR n66 DFT-BPSK /50@25 40M	5	Top	346000	1730	21.36	0.15	21.5	0.211	1.033	0.218
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n77(3450MHz~3550MHz) (100MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	3	Front	633334	3500.01	24.90	0.00	26.0	0.040	1.288	0.052
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	3	Back	633334	3500.01	24.90	0.00	26.0	0.070	1.288	0.091
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	3	Left	633334	3500.01	24.90	0.04	26.0	0.112	1.288	0.144
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Front	633334	3500.01	24.52	0.00	25.5	0.070	1.253	0.088
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Back	633334	3500.01	24.52	0.00	25.5	0.168	1.253	0.211
	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Left	633334	3500.01	24.52	0.00	25.5	0.076	1.253	0.095
75	NR n77 (3450-3550) DFT-BPSK /1@1 100M	5	Top	633334	3500.01	24.52	0.08	25.5	0.173	1.253	0.217
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	3	Front	633334	3500.01	25.15	0.20	26.0	0.057	1.216	0.069
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	3	Back	633334	3500.01	25.15	0.00	26.0	0.059	1.216	0.072
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	3	Left	633334	3500.01	25.15	0.00	26.0	0.103	1.216	0.125
	NR n77 (3450-3550) DFT-BPSK /135@67 100M	5	Front	633334	3500.01	24.45	0.00	25.5	0.061	1.274	0.078
	NR n77 (3450-3550) DFT-BPSK	5	Back	633334	3500.01	24.45	0.03	25.5	0.100	1.274	0.127

	/135@67 100M										
NR n77 (3450-3550) DFT-BPSK /135@67 100M	5	Left	633334	3500.01	24.45	0.07	25.5	0.070	1.274	0.089	
NR n77 (3450-3550) DFT-BPSK /135@67 100M	5	Top	633334	3500.01	24.45	0.06	25.5	0.166	1.274	0.211	
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ NR n77(3700MHz~3980MHz)(100MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	Reported SAR _{1g} (W/kg)
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	3	Front	650000	3750	24.99	0.00	25.5	0.030	1.125	0.033
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	3	Back	650000	3750	24.99	0.00	25.5	0.043	1.125	0.048
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	3	Left	650000	3750	24.99	0.03	25.5	0.072	1.125	0.081
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Front	650000	3750	24.15	0.00	26.0	0.043	1.531	0.066
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Back	650000	3750	24.15	0.00	26.0	0.114	1.531	0.175
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Left	650000	3750	24.15	0.13	26.0	0.054	1.531	0.083
	NR n77 (3700-3980) DFT-BPSK /1@1 100M	5	Top	650000	3750	24.15	0.55	26.0	0.119	1.531	0.182
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	3	Front	650000	3750	25.17	0.00	25.5	0.033	1.079	0.035
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	3	Back	650000	3750	25.17	0.00	25.5	0.054	1.079	0.059
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	3	Left	650000	3750	25.17	0.08	25.5	0.079	1.079	0.085
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Front	650000	3750	24.35	0.00	26.0	0.049	1.462	0.072
54	NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Back	650000	3750	24.35	0.03	26.0	0.137	1.462	0.200
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Left	650000	3750	24.35	-0.10	26.0	0.051	1.462	0.075
	NR n77 (3700-3980) DFT-BPSK /135@67 100M	5	Top	650000	3750	24.35	0.08	26.0	0.086	1.462	0.125
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g					

➤ WLAN 2.4GHz Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	2.4GHz/802.11b	12	Front	1	2412	18.07	-0.06	18.5	0.038	1.104	1.000	0.042
	2.4GHz/802.11b	12	Back	1	2412	18.07	-0.07	18.5	0.043	1.104	1.000	0.047
	2.4GHz/802.11b	12	Right	1	2412	18.07	0.05	18.5	0.049	1.104	1.000	0.054
	2.4GHz/802.11b	12	Top	1	2412	18.07	0.07	18.5	0.073	1.104	1.000	0.080
	2.4GHz/802.11b	13	Front	6	2437	17.28	0.04	17.5	0.031	1.052	1.000	0.033
	2.4GHz/802.11b	13	Back	6	2437	17.28	-0.02	17.5	0.040	1.052	1.000	0.042
76	2.4GHz/802.11b	13	Right	6	2437	17.28	0.07	17.5	0.095	1.052	1.000	0.100
	2.4GHz/802.11b	13	Top	6	2437	17.28	-0.08	17.5	0.011	1.052	1.000	0.012
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ WLAN 5.2GHz Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.2GHz/802.11a	6	Front	40	5200	17.09	0.00	17.5	0.025	1.099	1.000	0.027
	5.2GHz/802.11a	6	Back	40	5200	17.09	0.00	17.5	0.031	1.099	1.000	0.034
	5.2GHz/802.11a	6	Right	40	5200	17.09	0.00	17.5	0.001	1.099	1.000	0.001
77	5.2GHz/802.11a	6	Top	40	5200	17.09	0.00	17.5	0.088	1.099	1.000	0.097
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ WLAN 5.8GHz Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	5.8GHz/802.11a	6	Front	157	5785	16.73	0.00	17.0	0.041	1.064	1.000	0.044
	5.8GHz/802.11a	6	Back	157	5785	16.73	0.00	17.0	0.067	1.064	1.000	0.071
	5.8GHz/802.11a	6	Right	157	5785	16.73	0.07	17.0	0.018	1.064	1.000	0.019
78	5.8GHz/802.11a	6	Top	157	5785	16.73	0.08	17.0	0.143	1.064	1.000	0.152
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

➤ Bluetooth Body SAR in Hotspot mode

Plot No.	Band/Mode	ANT	Test Position	CH.	Freq. (MHz)	Output Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR _{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR _{1g} (W/kg)
	BT/GFSK	6	Front	78	2480	15.09	-0.09	15.5	0.009	1.099	1.000	0.010
	BT/GFSK	6	Back	78	2480	15.09	0.00	15.5	0.012	1.099	1.000	0.013
	BT/GFSK	6	Right	78	2480	15.09	0.06	15.5	0.010	1.099	1.000	0.011
79	BT/GFSK	6	Top	78	2480	15.09	0.04	15.5	0.031	1.099	1.000	0.034
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						1.6 W/kg (mW/g) Averaged over 1g						

Note:

- Per KDB 447498 D01v06, for each exposure position, if the highest output channel Reported SAR ≤ 0.8W/kg, other channels SAR testing is not necessary.
- Additional WLAN SAR testing was performed for simultaneous transmission analysis.
- For Hotspot SAR testing, per KDB 941225 D06v02r01, for EUT dimension ≥ 9cm*5cm, the test distance is 10mm. SAR must be measured for all surfaces and sides with a transmitting antenna located within 2.5cm from that surface or edge.
- Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA output power is < 0.25dB higher than RMC 12.2kbps, or Reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA SAR evaluation can be excluded.
- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8W/kg.
- Per KDB 648474 D04v01r03, when the Reported SAR for a body-worn accessory measured without a headset

connected to the handset is > 1.2 W/kg, SAR testing with a headset connected to the handset is required.

7. Per KDB 941225 D05v02r05, 100% RB allocation SAR measurement is not required when the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel.
8. According to KDB 865664 D02v01r02, SAR plot is required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
9. Highlight part of test data means repeated test.
10. *: Due the antenna location and antenna performance results the SAR value lower than the lowest system limit, then we show " <0.001 W/Kg" in the report.

15.4 Repeated SAR measurement

Band/ Mode	Test Position	CH.	Freq. (MHz)	Measured SAR (W/kg)				
				Original	1 st Repeated		2 nd Repeated	
					Value	Ratio	Value	Ratio
Band II/RMC	Right Tilted	9262	1852.4	1.020	0.988	1.032	/	/
Band IV/RMC	Back	1413	1732.6	0.972	0.948	1.025	/	/
Band4/1RB#99	Bottom	20050	1720	1.010	0.985	1.025	/	/
Band66/1RB#99	Bottom	132072	1720	0.926	0.903	1.025	/	/
NR n5 DFT-BPSK /25@12 20M	Left	167800	839	1.020	0.976	1.045	/	/
NR n77 (3700-3980) DFT-BPSK /1@271 100M	Left Cheek	650000	3750	0.885	0.849	1.042	/	/
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				1.6 W/kg (mW/g) Averaged over 1g				

Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg
2. Per KDB 865664 D01v01r04, if the ratio of *original* and *repeated* is ≤ 1.2 and the measured SAR < 1.45 W/kg, only one repeated measurement is required.

15.5 Multi-Band Simultaneous Transmission Considerations

➤ Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D01v06, transmitters are considered to be transmitting simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds. Possible transmission paths for the EUT are shown in below Figure and are color-coded to indicate communication modes which share the same path. Modes which share the same transmission path cannot transmit simultaneously with one another.

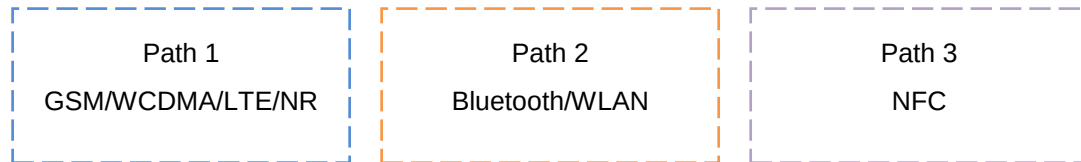


Fig.15.1 Simultaneous Transmission Paths

➤ Simultaneous Transmission Procedures

This device contains transmitters that may operate simultaneously. Therefore simultaneous transmission analysis is required. Per FCC KDB 447498 D01v06, simultaneous transmission SAR test exclusion may be applied when the sum of the 1-g SAR for all the simultaneous transmitting antennas in a specific a physical test configuration is ≤ 1.6 W/kg. When standalone SAR is not required to be measured, per FCC KDB 447498 D01v06 4.3.2), the following equation must be used to estimate the standalone 1g SAR for simultaneous transmission assessment involving that transmitter.

$$\text{Estimated SAR} = \frac{\sqrt{f(\text{GHz})}}{7.5} \cdot \frac{\text{Max. power of channel, mW}}{\text{Min. Separation Distance, mm}}$$

Mode	Max. tune-up Power (dBm)	Exposure Position	Head	Body	Hotspot
		Test Distance (mm)	0	10	10
NFC	0.000007	Estimated SAR (W/kg)	0.000	0.000	0.000

Note:

- When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according is applied to determine estimated SAR.

➤ Multi-Band simultaneous Transmission Consideration

Simultaneous Transmission Consideration	Position	Applicable Combination
	Head	WWAN (Voice) + WLAN 2.4 GHz(ANT12/ANT13) + NFC
		WWAN (Voice) + 5.2GHz/5.3GHz /5.6GHz /5.8GHz+ Bluetooth+ NFC
	Body	WWAN (Data) + WLAN 2.4 GHz(ANT12/ANT13) + NFC
		WWAN (Data) + 5.2GHz/5.3GHz /5.6GHz /5.8GHz+ Bluetooth+ NFC
	Hotspot	WWAN (Data) + WLAN 2.4 GHz(ANT12/ANT13) + NFC
		WWAN (Data) + 5.2GHz/5.8GHz+ Bluetooth+ NFC

Note:

- WLAN 2.4GHz Band and Bluetooth share the same antenna, and cannot transmit simultaneously.
- WLAN 2.4GHz Band, WLAN 5.2GHz Band, WLAN 5.3GHz Band, WLAN 5.6GHz and WLAN 5.8GHz share the same antenna, and cannot transmit simultaneously.
- GSM/WCDMA/LTE shares the same antenna, and cannot transmit simultaneously.
- For 5GNR EN-DC mode the simultaneous transmission analysis is use standalone SAR at total power level to show compliance.
- The Report SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - Scalar SAR summation < 1.6 W/kg.
 - $SPLSR = (SAR_1 + SAR_2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the

- extrapolated peak SAR locations in the zoom scan If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary
- iii. Simultaneously transmission SAR measurement, and the Reported multi-band SAR < 1.6 W/kg

15.6 SAR Simultaneous Transmission Analysis

➤ Simultaneous Transmission

Position		Standalone SAR _{1g} (W/kg)						? SAR _{1g} (W/kg)
		LTE Band 2 ANT4	LTE Band 4 ANT4	LTE Band 5 ANT3	LTE Band 7 ANT4	LTE Band 66 ANT4	NR n7 ANT2	Max EN-DC
Head	Right Cheek	0.282	0.346	0.515	0.197	0.267	0.023	0.538
	Right Tilted	0.163	0.188	0.084	0.056	0.147	0.003	0.191
	Left Cheek	0.221	0.307	0.588	0.035	0.236	0.066	0.654
	Left Tilted	0.115	0.158	0.096	0.000	0.115	0.022	0.180
Body- worn	Front	0.112	0.126	0.395	0.000	0.106	0.222	0.617
	Back	0.144	0.175	0.738	0.000	0.136	0.286	1.024
Hotspot	Front	0.112	0.126	0.395	0.000	0.106	0.222	0.617
	Back	0.144	0.175	0.738	0.000	0.136	0.286	1.024
	Left	0.129	0.150	0.737	0.065	0.117	0.052	0.789
	Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top	0.061	0.076	0.000	0.000	0.071	0.000	0.076
	Bottom	0.000	0.000	0.000	0.000	0.000	0.268	0.268

Position		Standalone SAR _{1g} (W/kg)				? SAR _{1g} (W/kg)
		LTE Band 4 ANT4	LTE Band 5 ANT3	LTE Band 66 ANT4	NR n38 ANT2	Max EN-DC
Head	Right Cheek	0.346	0.515	0.267	0.024	0.539
	Right Tilted	0.188	0.084	0.147	0.004	0.192
	Left Cheek	0.307	0.588	0.236	0.021	0.609
	Left Tilted	0.158	0.096	0.115	0.006	0.164
Body- worn	Front	0.126	0.395	0.106	0.095	0.490
	Back	0.175	0.738	0.136	0.141	0.879
Hotspot	Front	0.126	0.395	0.106	0.095	0.490
	Back	0.175	0.738	0.136	0.141	0.879
	Left	0.150	0.737	0.117	0.032	0.769
	Right	0.000	0.000	0.000	0.000	0.000
	Top	0.076	0.000	0.071	0.000	0.076
	Bottom	0.000	0.000	0.000	0.152	0.152

Position		Standalone SAR _{1g} (W/kg)					? SAR _{1g} (W/kg)
		LTE Band 2 ANT4	LTE Band 5 ANT3	LTE Band 41 ANT4	LTE Band 66 ANT4	NR n41 ANT2	Max EN-DC
Head	Right Cheek	0.282	0.515	0.184	0.267	0.020	0.535
	Right Tilted	0.163	0.084	0.043	0.147	0.005	0.168
	Left Cheek	0.221	0.588	0.034	0.236	0.015	0.603
	Left Tilted	0.115	0.096	0.009	0.115	0.003	0.118
Body- worn	Front	0.112	0.395	0.070	0.106	0.010	0.405
	Back	0.144	0.738	0.097	0.136	0.020	0.758
Hotspot	Front	0.112	0.395	0.070	0.106	0.010	0.405
	Back	0.144	0.738	0.097	0.136	0.020	0.758
	Left	0.129	0.737	0.083	0.117	0.005	0.742
	Right	0.000	0.000	0.000	0.000	0.000	0.000
	Top	0.061	0.000	0.043	0.071	0.000	0.071
	Bottom	0.000	0.000	0.000	0.000	0.022	0.022

Position		Standalone SAR _{1g} (W/kg)					? SAR _{1g} (W/kg)
		LTE Band 2 ANT4	LTE Band 5 ANT3	LTE Band 7 ANT4	LTE Band 66 ANT4	NR n66 ANT2	Max EN-DC
Head	Right Cheek	0.346	0.515	0.197	0.267	0.058	0.573
	Right Tilted	0.188	0.084	0.056	0.147	0.010	0.198
	Left Cheek	0.307	0.588	0.035	0.236	0.058	0.646
	Left Tilted	0.158	0.096	0.008	0.115	0.008	0.166
Body- worn	Front	0.126	0.395	0.055	0.106	0.253	0.648
	Back	0.175	0.738	0.092	0.136	0.363	1.101
Hotspot	Front	0.126	0.395	0.055	0.106	0.253	0.648
	Back	0.175	0.738	0.092	0.136	0.363	1.101
	Left	0.150	0.737	0.068	0.117	0.058	0.795
	Right	0.000	0.000	0.000	0.000	0.000	0.000
	Top	0.076	0.000	0.040	0.071	0.000	0.076
	Bottom	0.000	0.000	0.000	0.000	0.417	0.417

Position		Standalone SAR _{1g} (W/kg)								? SAR _{1g} (W/kg)
		LTE Band 2 ANT4	LTE Band 4 ANT4	LTE Band 5 ANT3	LTE Band 7 ANT4	LTE Band 38 ANT4	LTE Band 41 ANT4	LTE Band 66 ANT4	NR n77(n78) ANT5	Max EN-DC
Head	Right Cheek	0.282	0.346	0.515	0.197	0.174	0.184	0.267	0.743	1.258
	Right Tilted	0.163	0.188	0.084	0.056	0.040	0.043	0.147	0.609	0.797
	Left Cheek	0.221	0.307	0.588	0.035	0.031	0.034	0.236	0.270	0.858
	Left Tilted	0.115	0.158	0.096	0.008	0.008	0.009	0.115	0.297	0.455
Body-worn	Front	0.112	0.126	0.395	0.055	0.058	0.070	0.106	0.088	0.483
	Back	0.144	0.175	0.738	0.092	0.085	0.097	0.136	0.211	0.949
Hotspot	Front	0.112	0.126	0.395	0.055	0.058	0.070	0.106	0.088	0.483
	Back	0.144	0.175	0.738	0.092	0.085	0.097	0.136	0.211	0.949
	Left	0.129	0.150	0.737	0.068	0.072	0.083	0.117	0.095	0.832
	Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top	0.061	0.076	0.000	0.040	0.029	0.043	0.071	0.217	0.293
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Position		Max Standalone SAR _{1g} (W/kg)						? SAR _{1g} (W/kg)		
		1	2	3	4	5	6	1+2+6	1+3+6	1+4+5+6
		MAX WWAN	2.4G ANT 12	2.4G ANT 13	5G WIFI	BT	NFC			
Head	Right Cheek	1.258	0.200	0.187	0.176	0.102	0.000	1.458	1.445	1.536
	Right Tilted	1.174	0.256	0.023	0.206	0.123	0.000	1.430	1.197	1.503
	Left Cheek	1.078	0.261	0.229	0.214	0.133	0.000	1.339	1.307	1.425
	Left Tilted	0.841	0.300	0.039	0.249	0.147	0.000	1.141	0.880	1.237
Body-worn	Front	0.671	0.042	0.033	0.044	0.010	0.000	0.713	0.704	0.725
	Back	1.101	0.047	0.042	0.071	0.013	0.000	1.148	1.143	1.185
Hotspot	Front	0.671	0.042	0.033	0.044	0.010	0.000	0.713	0.704	0.725
	Back	1.101	0.047	0.042	0.071	0.013	0.000	1.148	1.143	1.185
	Left	1.131	0.000	0.000	0.000	0.000	0.000	1.131	1.131	1.131
	Right	0.284	0.054	0.100	0.019	0.011	0.000	0.338	0.384	0.314
	Top	0.492	0.080	0.012	0.152	0.034	0.000	0.572	0.504	0.678
	Bottom	1.151	0.000	0.000	0.000	0.000	0.000	1.151	1.151	1.151

➤ Simultaneous Transmission Conclusion

The above numerical summed SAR results for all the case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06.

15.7 Measurement Uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEC/IEEE 62209-1528:2020 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

15.8 Measurement Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Industry Canada, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested. Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

16 Reference

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- [5]. FCC KDB 248227 D01 v02r02, “SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS”, October 2015
- [6]. FCC KDB 447498 D01 v06, “RF EXPOSURE PROCEDURES AND EQUIPMENT AUTHORIZATION POLICIES FOR MOBILE AND PORTABLE DEVICES”, October 2015
- [7]. FCC KDB 648474 D04 v01r03, “SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS”, October 2015
- [8]. FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, October 2015
- [9]. FCC KDB 941225 D05 v02r05, “SAR EVALUATION CONSIDERATIONS FOR LTE DEVICES”, Dec 2015
- [10]. FCC KDB 941225 D06 v02r01, “ SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES”, October 2015
- [11]. FCC KDB 865664 D01 v01r04, “SAR MEASUREMENT REQUIREMENTS FOR 100 MHz TO 6 GHz”, August 2015

Appendix A: Plots of SAR System Check

Test Laboratory: JYTSZ

Date: 2026/3/23

DUT: Dipole 750 MHz; Type: D750V3; Serial: SN:1118

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750$ MHz; $\sigma = 0.875$ S/m; $\epsilon_r = 43.353$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(10, 9.39, 9.5) @ 750 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 750 MHz Head Tissue/d=15mm, Pin=80 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.15 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.715 W/kg; SAR(10 g) = 0.474 W/kg

Smallest distance from peaks to all points 3 dB below = 19.5 mm

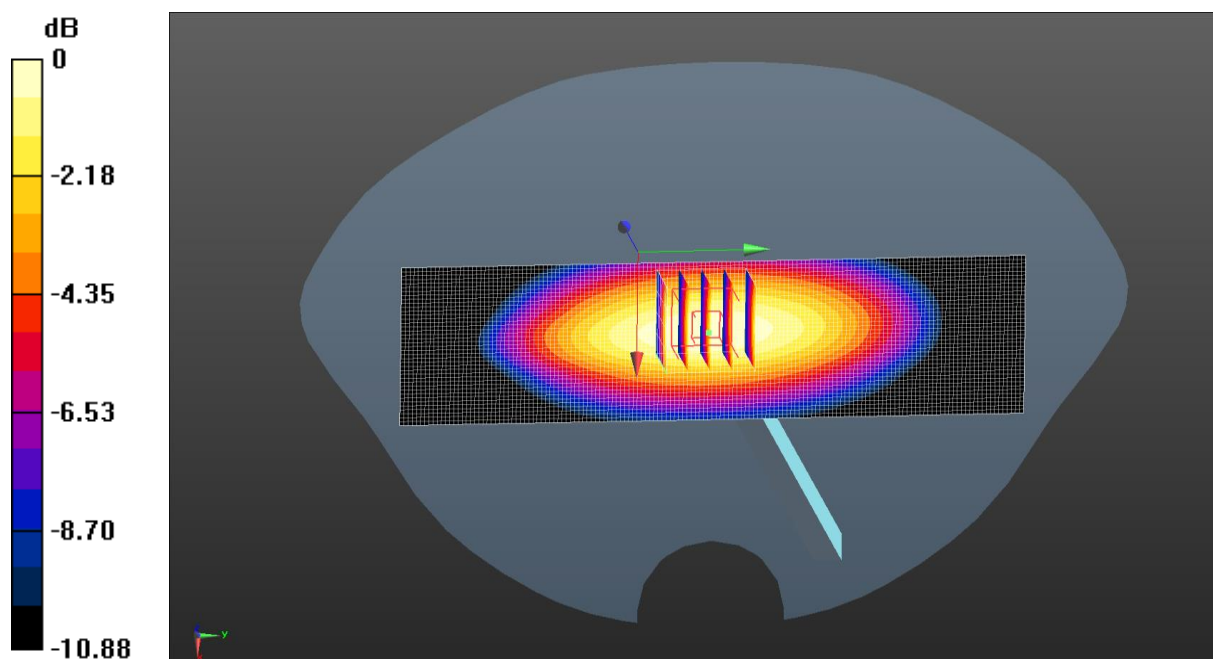
Ratio of SAR at M2 to SAR at M1 = 67.6%

Maximum value of SAR (measured) = 0.944 W/kg

System Performance Check at Frequency 750 MHz Head Tissue/d=15mm, Pin=80 mW, dist=1.4mm (EX-Probe)/Area Scan (41x151x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.927 W/kg



0 dB = 0.927 W/kg = -0.33 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/3/25

DUT: Dipole 835 MHz; Type: D835V2; Serial: SN:4D154

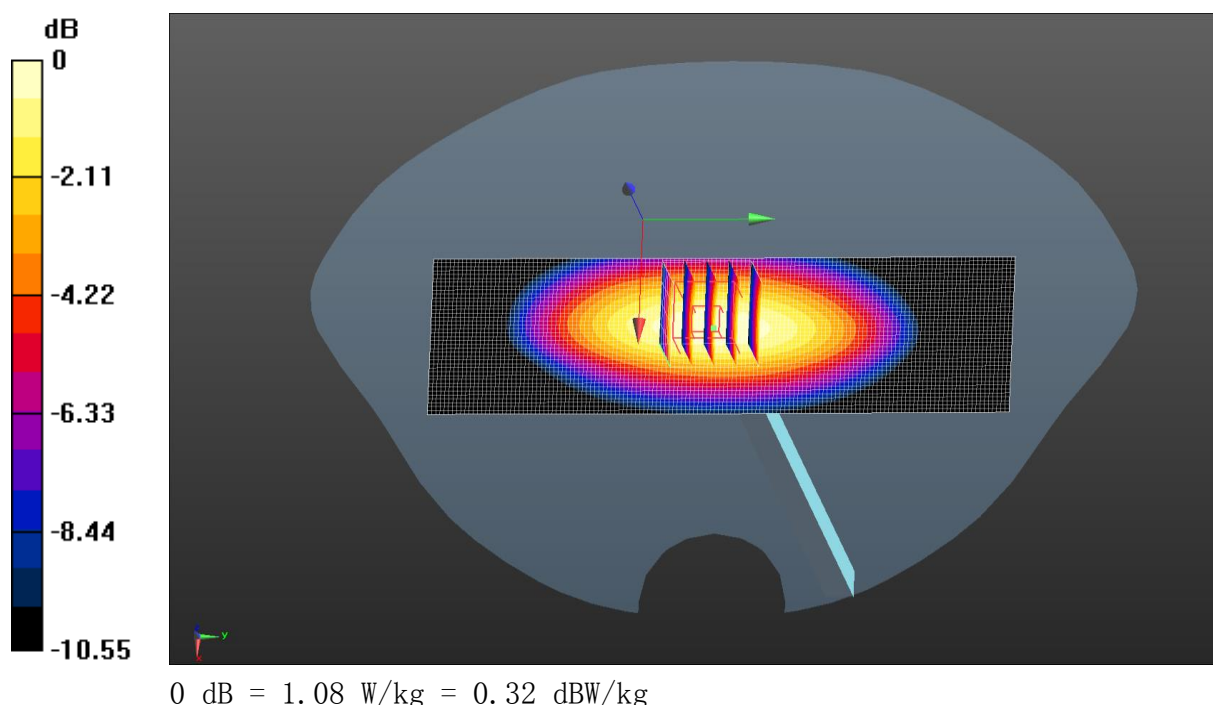
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.888$ S/m; $\epsilon_r = 42.856$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(9.8, 9.21, 9.31) @ 835 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 835 MHz Head Tissue/d=15mm, Pin=80 mW, dist=1.4mm (EX-Probe)/Area Scan (41x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

System Performance Check at Frequency 835 MHz Head Tissue/d=15mm, Pin=80 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.06 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.535 W/kg
Smallest distance from peaks to all points 3 dB below = 16.1 mm
Ratio of SAR at M2 to SAR at M1 = 67.3%
Maximum value of SAR (measured) = 1.08 W/kg



Test Laboratory: JYTSZ

Date: 2026/3/27

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: SN:1177

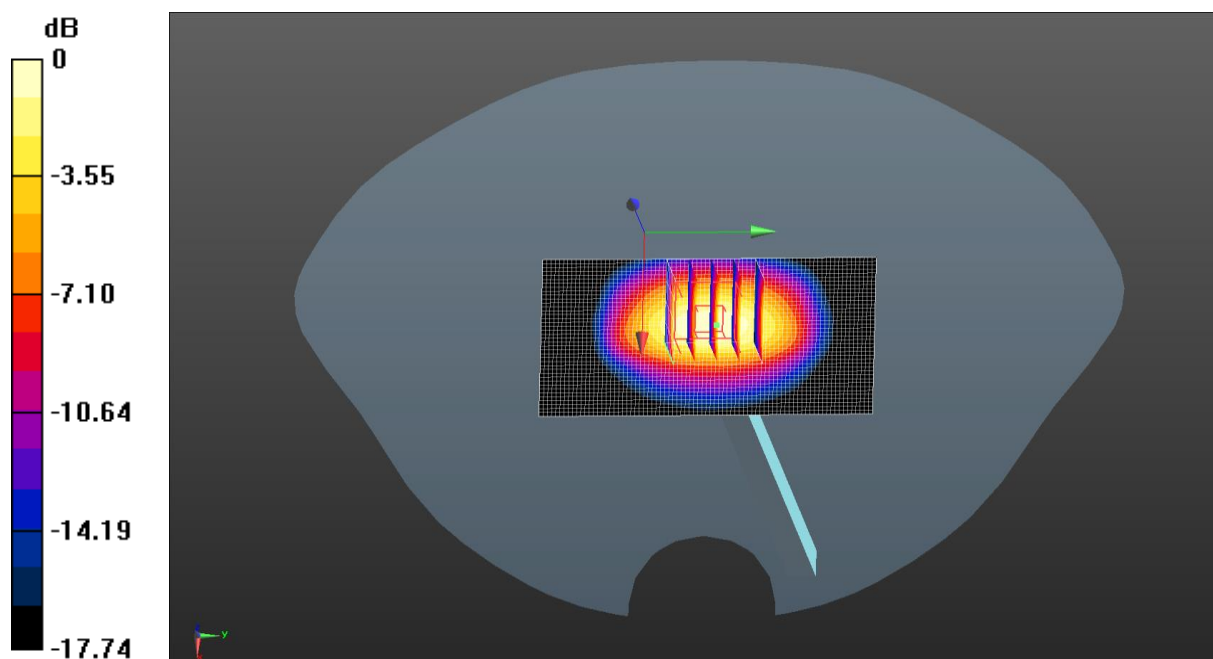
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 40.518$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(8.34, 7.83, 7.92) @ 1750 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 1750 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (41x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.34 W/kg

System Performance Check at Frequency 1750 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 40.03 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.80 W/kg
SAR(1 g) = 1.57 W/kg; SAR(10 g) = 0.829 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 55.5%
Maximum value of SAR (measured) = 2.37 W/kg



0 dB = 2.37 W/kg = 3.75 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/3/30

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN:5d175

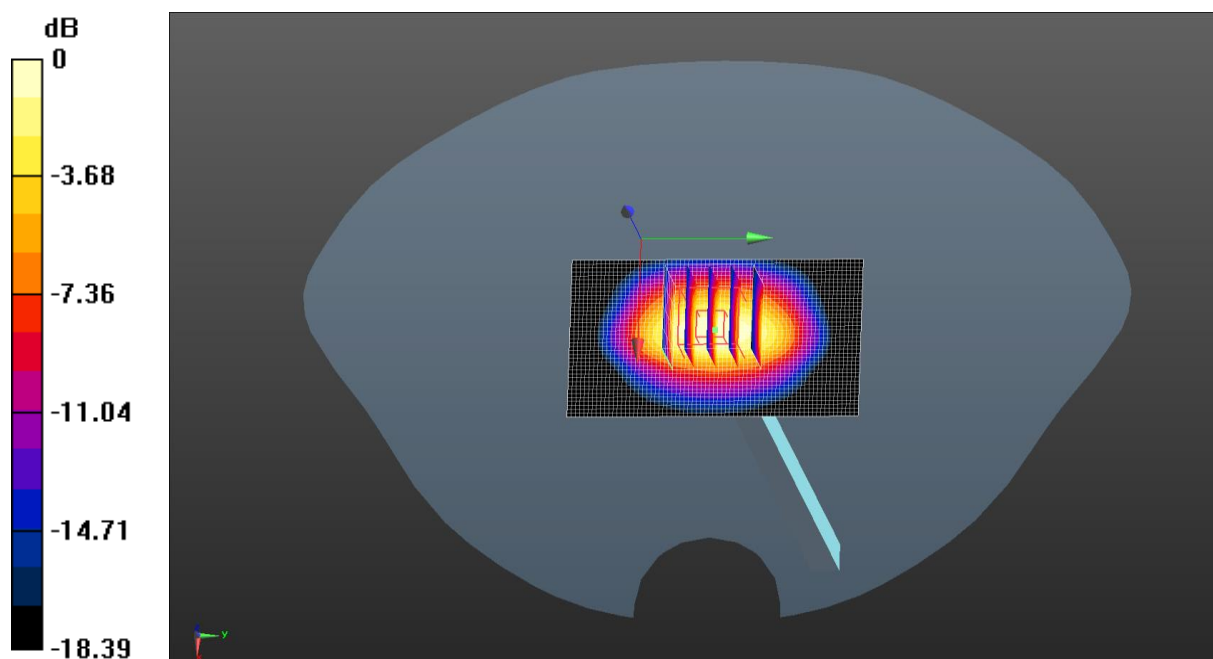
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 40.14$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(7.88, 7.4, 7.49) @ 1900 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 1900 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (41x71x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.79 W/kg

System Performance Check at Frequency 1900 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 44.64 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 1.72 W/kg; SAR(10 g) = 0.887 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 55.5%
Maximum value of SAR (measured) = 2.66 W/kg



0 dB = 2.66 W/kg = 4.26 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/1

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: SN:910

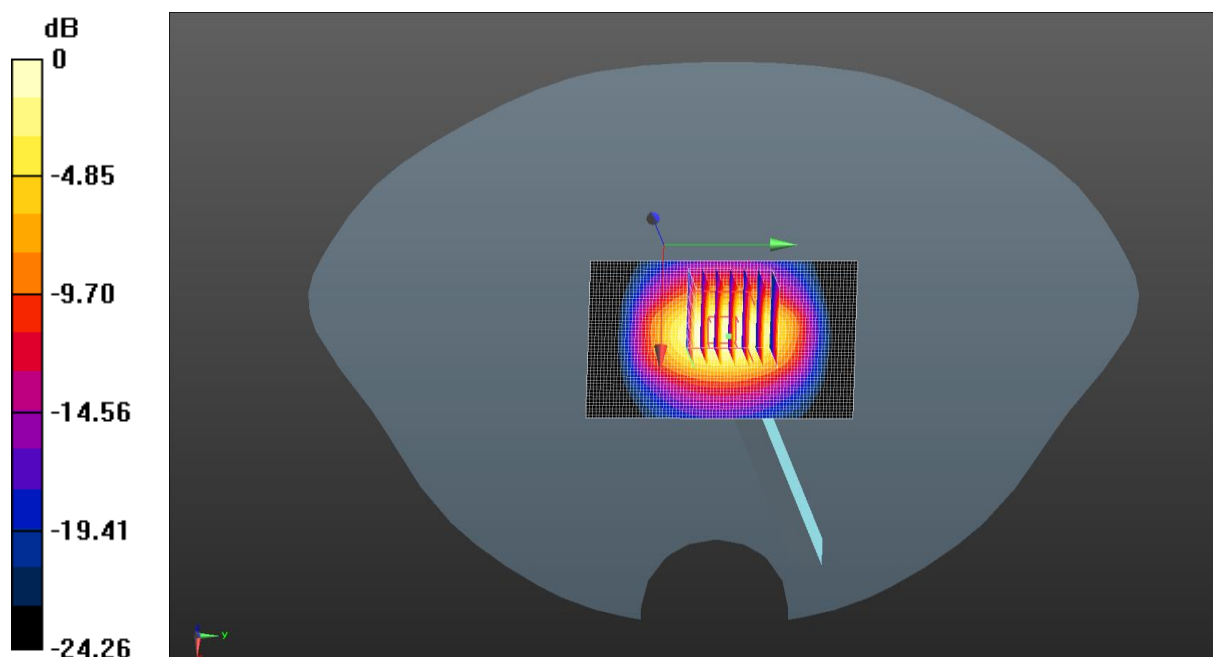
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 39.777$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(7.3, 6.86, 6.94) @ 2450 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 2450 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 3.85 W/kg

System Performance Check at Frequency 2450 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 47.69 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 4.69 W/kg
SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.06 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 51%
Maximum value of SAR (measured) = 3.63 W/kg



0 dB = 3.63 W/kg = 5.60 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/1

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: SN:1114

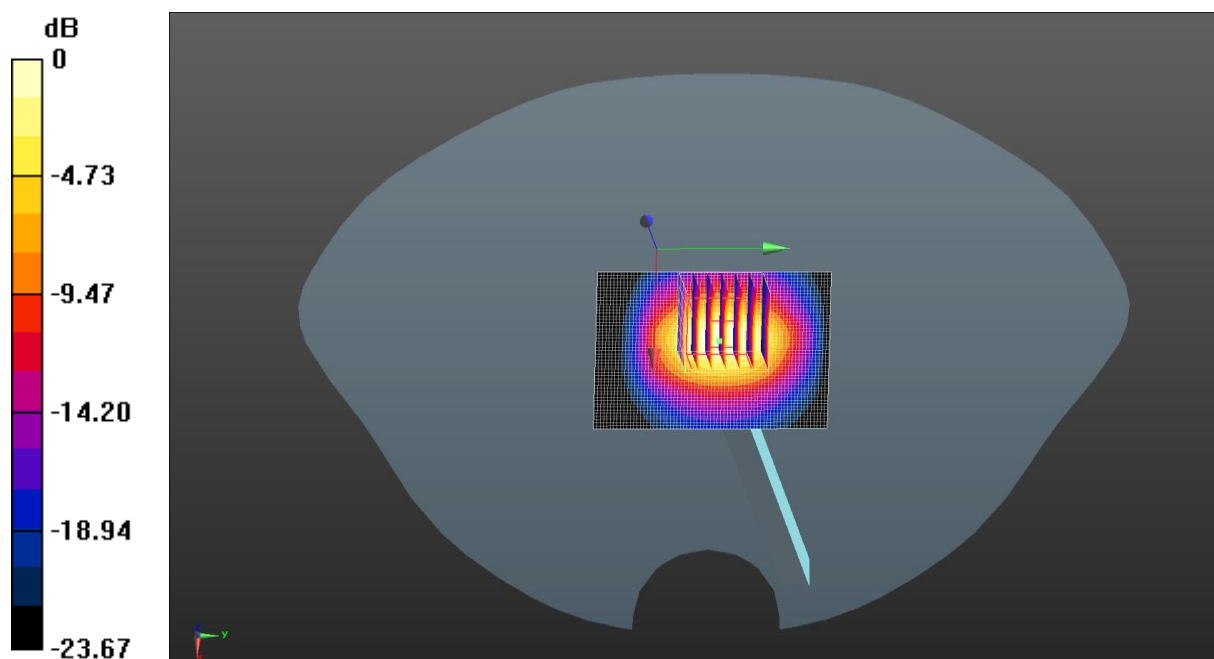
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 1.965$ S/m; $\epsilon_r = 39.531$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(7.2, 6.77, 6.85) @ 2600 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 2600 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.33 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 5.20 W/kg
SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.09 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 47.7%
Maximum value of SAR (measured) = 3.97 W/kg

System Performance Check at Frequency 2600 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.41 W/kg



0 dB = 4.41 W/kg = 6.44 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/6

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: SN:1114

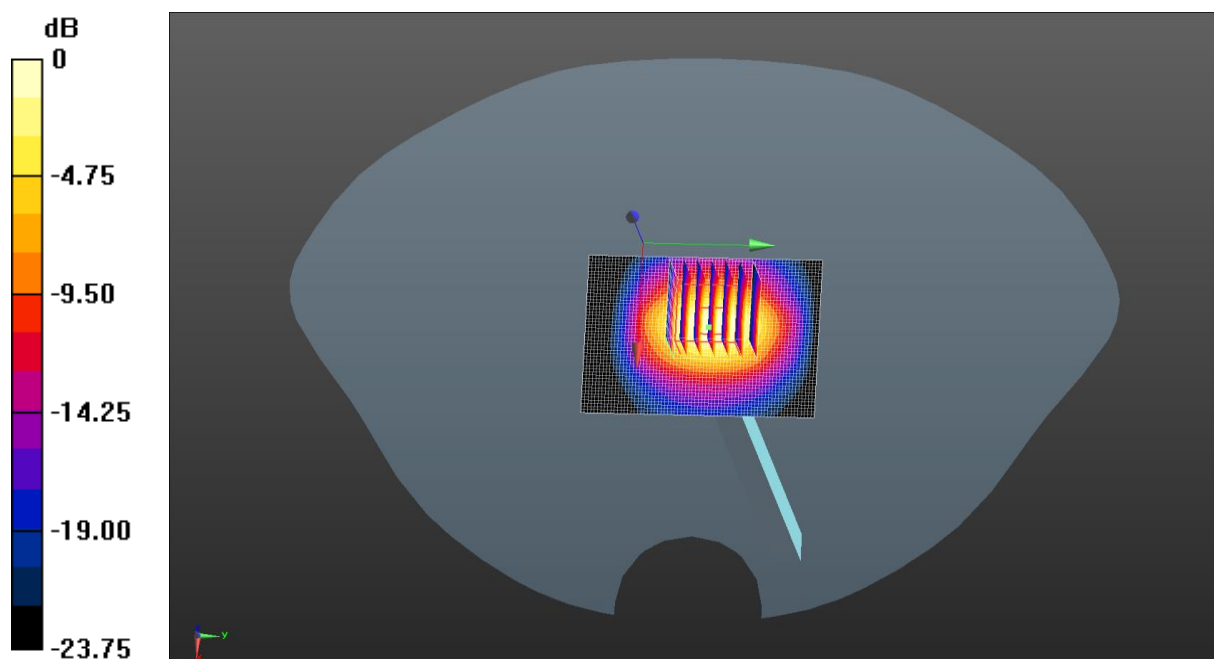
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.001$ S/m; $\epsilon_r = 39.955$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(7.2, 6.77, 6.85) @ 2600 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 2600 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 42.40 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 5.21 W/kg
SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.07 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 47.6%
Maximum value of SAR (measured) = 3.89 W/kg

System Performance Check at Frequency 2600 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.22 W/kg



0 dB = 4.22 W/kg = 6.25 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/14

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: SN:1118

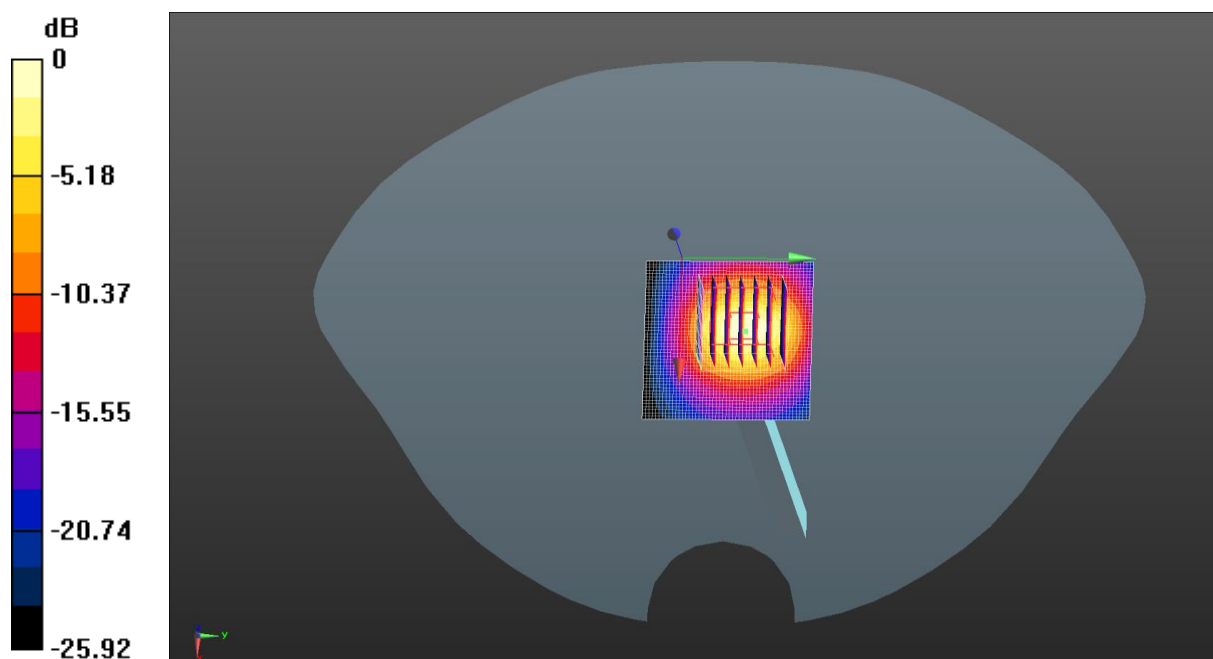
Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3500$ MHz; $\sigma = 2.804$ S/m; $\epsilon_r = 37.965$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7351; ConvF(6.44, 6.46, 7.1) @ 3500 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2025/5/2
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 3500 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 36.62 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 6.34 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 0.911 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 44.8%
Maximum value of SAR (measured) = 4.70 W/kg

System Performance Check at Frequency 3500 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.62 W/kg



0 dB = 4.62 W/kg = 6.65 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/15

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: SN:1089

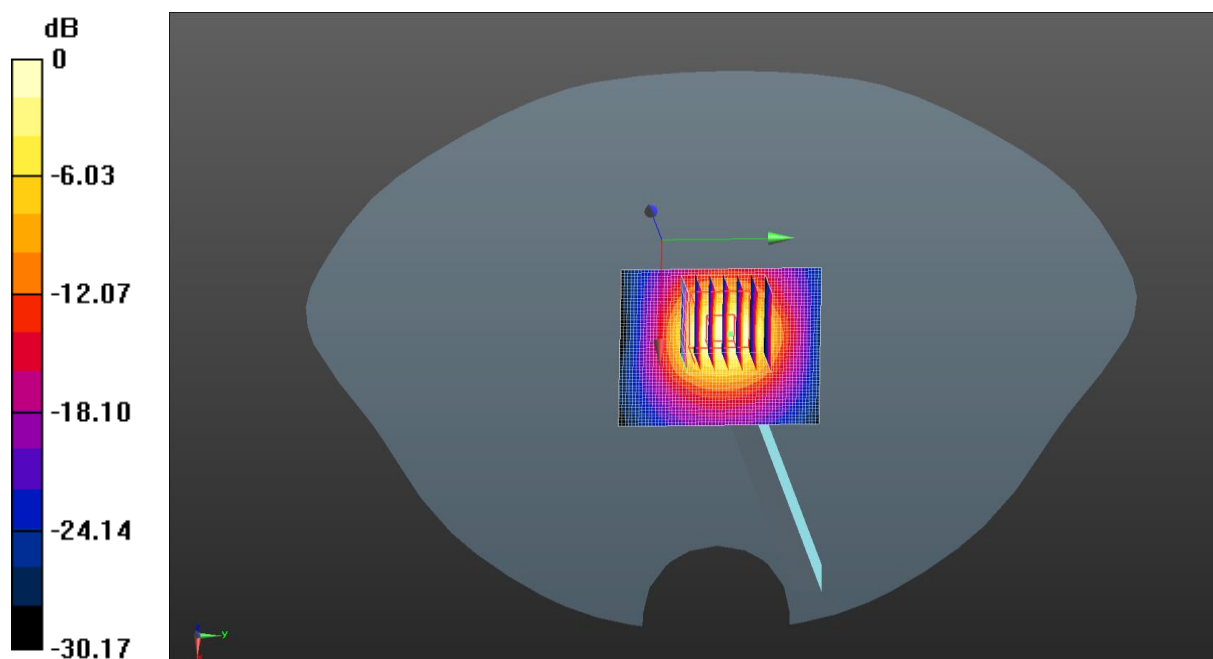
Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3700$ MHz; $\sigma = 3.01$ S/m; $\epsilon_r = 37.567$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7351; ConvF(6.4, 6.42, 7.06) @ 3700 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2025/5/2
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 3700 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 5.20 W/kg

System Performance Check at Frequency 3700 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 38.56 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 6.95 W/kg
SAR(1 g) = 2.53 W/kg; SAR(10 g) = 0.927 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 43.5%
Maximum value of SAR (measured) = 4.96 W/kg



0 dB = 4.96 W/kg = 6.95 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/15

DUT: Dipole 3900 MHz; Type: D3900V2; Serial: SN:1064

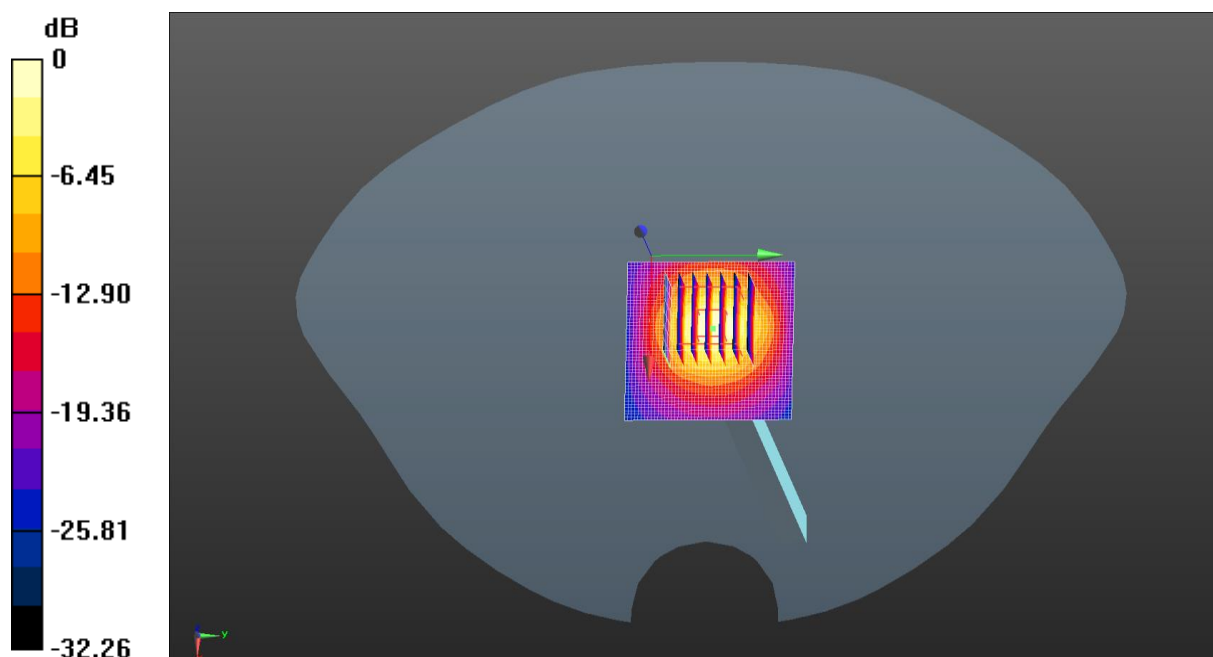
Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3900$ MHz; $\sigma = 3.252$ S/m; $\epsilon_r = 37.189$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7351; ConvF(6.52, 6.54, 7.19) @ 3900 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2025/5/2
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 3900 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 37.57 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 7.35 W/kg
SAR(1 g) = 2.58 W/kg; SAR(10 g) = 0.900 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 41.8%
Maximum value of SAR (measured) = 5.34 W/kg

System Performance Check at Frequency 3900 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 5.44 W/kg



0 dB = 5.44 W/kg = 7.36 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/8

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: SN:1320

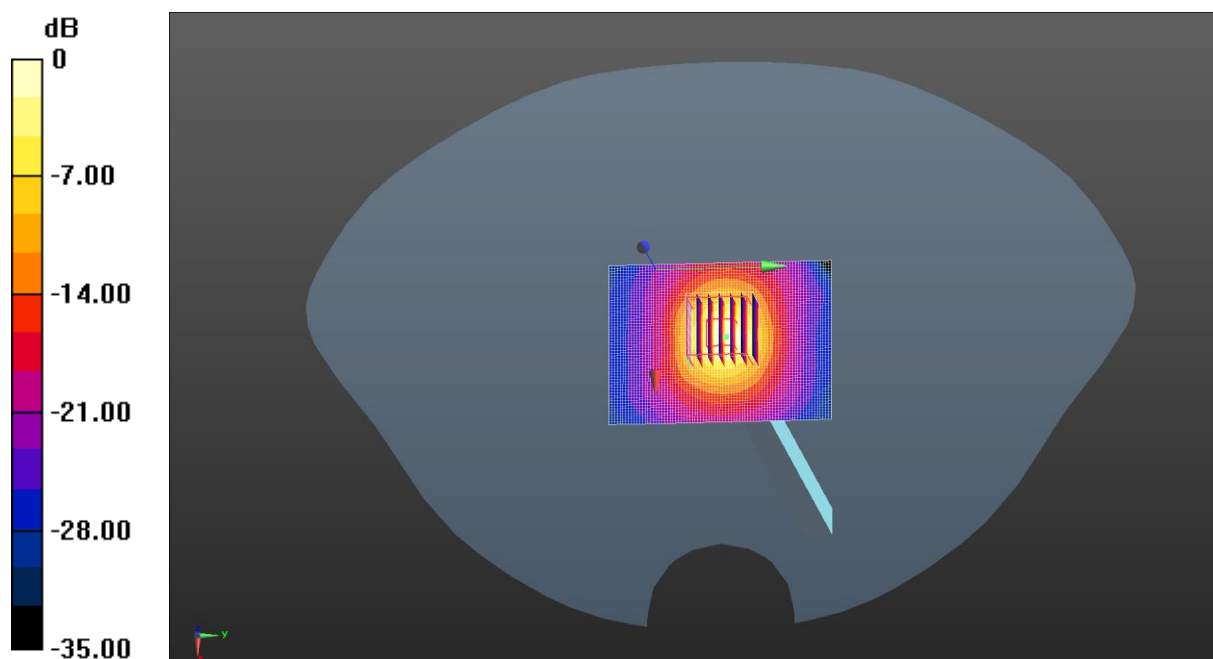
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 4.67$ S/m; $\epsilon_r = 34.808$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(5.48, 5.15, 5.21) @ 5200 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 5GHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.36 W/kg

System Performance Check at Frequency 5GHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 42.26 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 14.4 W/kg
SAR(1 g) = 3.32 W/kg; SAR(10 g) = 0.942 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 52.5%
Maximum value of SAR (measured) = 8.48 W/kg



0 dB = 8.48 W/kg = 9.28 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/8

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: SN:1320

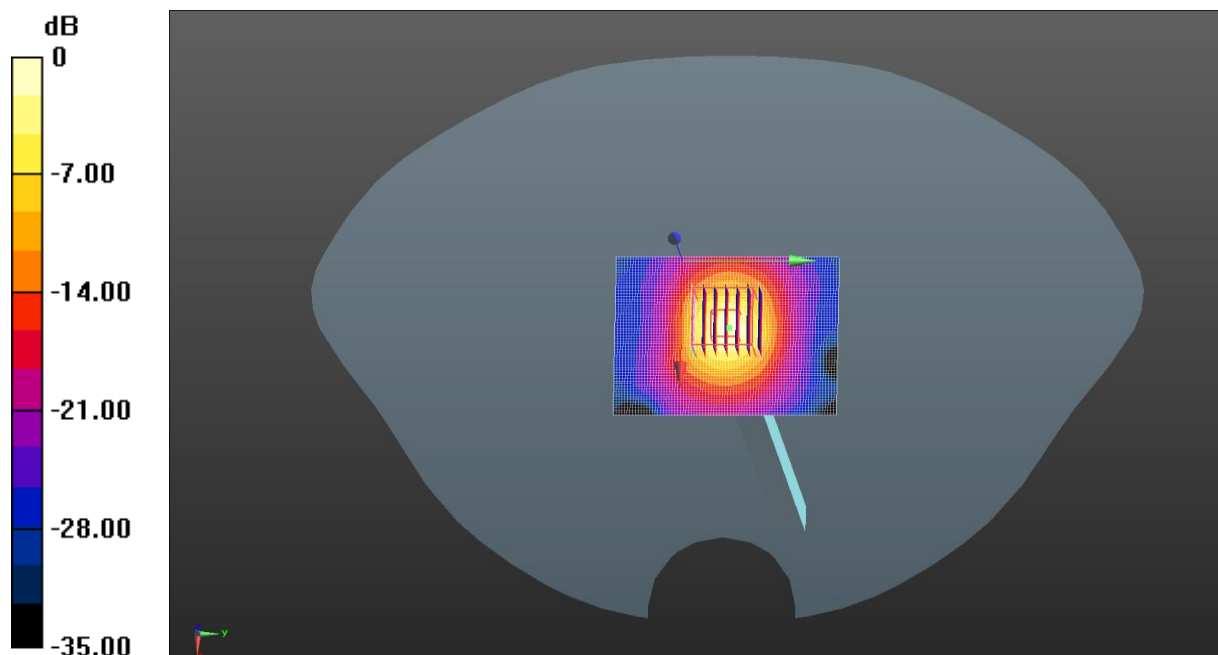
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5300$ MHz; $\sigma = 4.765$ S/m; $\epsilon_r = 35.09$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(5.48, 5.15, 5.21) @ 5300 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 5GHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.71 W/kg

System Performance Check at Frequency 5GHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 40.79 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 3.43 W/kg; SAR(10 g) = 0.961 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 8.93 W/kg



0 dB = 8.93 W/kg = 9.51 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/9

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: SN:1320

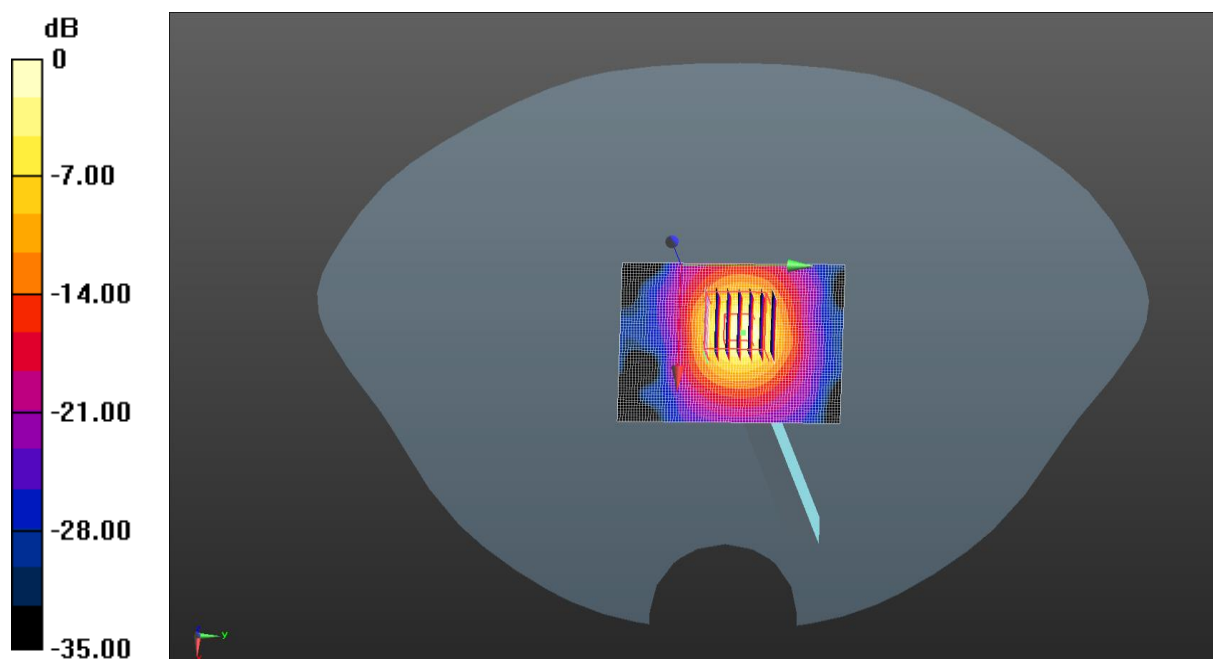
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.084$ S/m; $\epsilon_r = 34.404$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(5.06, 4.76, 4.81) @ 5600 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 5GHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.86 W/kg

System Performance Check at Frequency 5GHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 38.19 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 3.58 W/kg; SAR(10 g) = 0.995 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 47.8%
Maximum value of SAR (measured) = 9.53 W/kg



0 dB = 9.54 W/kg = 9.79 dBW/kg

Test Laboratory: JYTSZ

Date: 2026/4/9

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: SN:1320

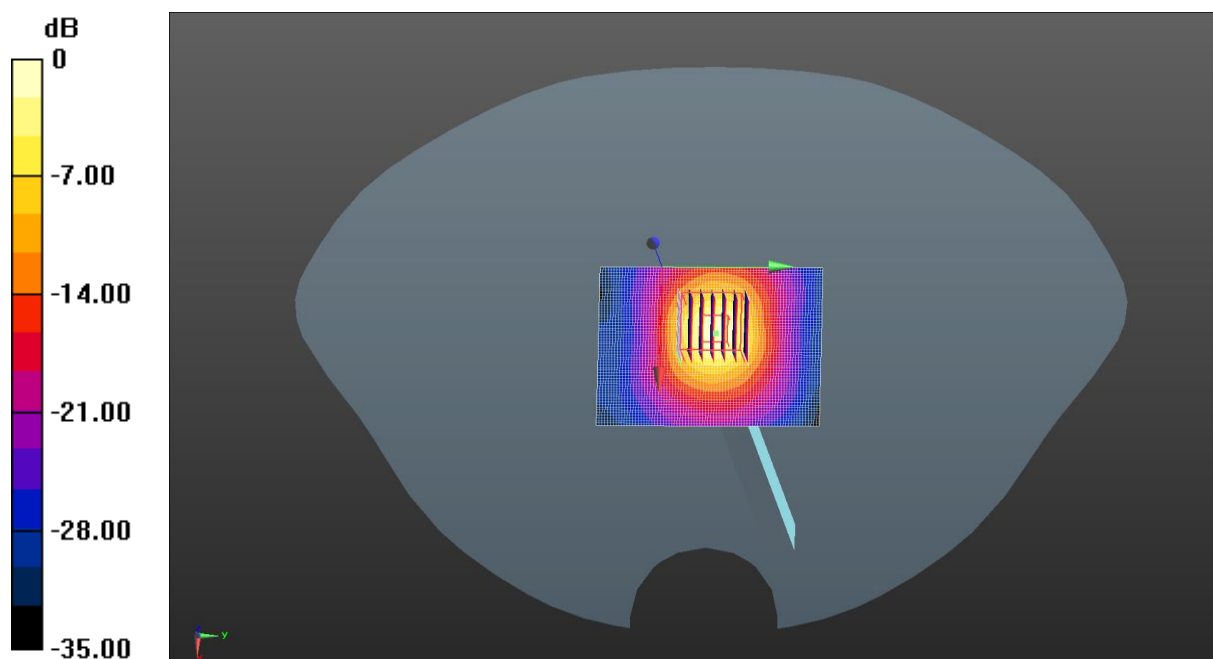
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.301$ S/m; $\epsilon_r = 34.031$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3924; ConvF(5.1, 4.79, 4.85) @ 5800 MHz; Calibrated: 2025/10/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 2025/4/10
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Check at Frequency 5GHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.45 W/kg

System Performance Check at Frequency 5GHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 34.04 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 3.44 W/kg; SAR(10 g) = 0.953 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 46.4%
Maximum value of SAR (measured) = 9.27 W/kg



0 dB = 9.27 W/kg = 9.67 dBW/kg