



中认信通
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



SAR TEST REPORT

Applicant: Inrico Technologies Co.,Ltd

Address: A1703, Shenzhen National Engineering Laboratory Building, No. 20 Gaoxin South 7th Road, Shenzhen, China

FCC ID: 2AIV6-S350

Product Name: 5G Rugged Device

Model Number: S350

Standard(s): 47 CFR Part 2(2.1093)

The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: CR230743984-SA

Date Of Issue: 2023-10-31

Reviewed By: Karl Gong

Karl Gong

Title: SAR Engineer

Test Laboratory: China Certification ICT Co., Ltd (Dongguan)

No. 113, Pingkang Road, Dalang Town, Dongguan,
Guangdong, China
Tel: +86-769-82016888

SAR TEST RESULTS SUMMARY

Operation Frequency Bands	Highest Reported 1g SAR (W/kg)			Limits (W/kg)
	Head SAR	Body SAR (Gap 10mm)		
GSM 850	0.11	0.15		1.6
PCS 1900	0.04	0.56		
WCDMA Band 2	0.05	0.79		
WCDMA Band 4	0.08	1.03		
WCDMA Band 5	0.06	0.11		
LTE Band 2	0.06	0.85		
LTE Band 26&5	0.05	0.08		
LTE Band 7	0.09	0.26		
LTE Band 12&17	0.08	0.07		
LTE Band 13	0.01	0.05		
LTE Band 40 Lower	0.10	0.19		
LTE Band 40 Upper	0.07	0.18		
LTE Band 41&38	0.03	0.14		
LTE Band 66&4	0.11	0.86		
5G NR n2	0.06	0.67		
5G NR n26&5	0.03	0.07		
5G NR n7	0.05	0.20		
5G NR n38	0.03	0.06		
5G NR n41	0.06	0.10		
5G NR n66	0.06	1.06		
WLAN 2.4G	0.15	0.13		
WLAN 5.2G	0.16	0.26		
WLAN 5.3G	0.12	0.22		
WLAN 5.6G	0.25	0.22		
WLAN 5.8G	0.25	0.21		
Bluetooth	0.05	0.03		
Maximum Simultaneous Transmission SAR				
Items	Head	Body-Worn (Gap 10mm)	Hotspot (Gap 10mm)	Limits
Sum SAR(W/kg)	0.45	1.47	1.47	1.6
SPLSR	N/A	N/A	N/A	0.04
EUT Received Date:	2023/07/31			
Tested Date:	2023/12/14~2023/12/24			
Tested Result:	Pass			

Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

CONTENTS

DOCUMENT REVISION HISTORY	6
1. GENERAL INFORMATION	7
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	7
1.2 TEST SPECIFICATION, METHODS AND PROCEDURES	9
1.3 SAR LIMITS.....	10
1.4 FACILITIES.....	11
2. SAR MEASUREMENT SYSTEM	12
3. EQUIPMENT LIST AND CALIBRATION	19
3.1 EQUIPMENTS LIST & CALIBRATION INFORMATION	19
4. SAR MEASUREMENT SYSTEM VERIFICATION	20
4.1 LIQUID VERIFICATION	20
4.2 SYSTEM ACCURACY VERIFICATION	24
4.3 SAR SYSTEM VALIDATION DATA.....	26
5. EUT TEST STRATEGY AND METHODOLOGY	43
5.1 TEST POSITIONS FOR DEVICE OPERATING NEXT TO A PERSON'S EAR	43
5.2 CHEEK/TOUCH POSITION.....	44
5.3 EAR/TILT POSITION.....	44
5.4 TEST POSITIONS FOR BODY-WORN AND OTHER CONFIGURATIONS	45
5.5 TEST DISTANCE FOR SAR EVALUATION.....	46
5.6 SAR EVALUATION PROCEDURE	47
6. CONDUCTED OUTPUT POWER MEASUREMENT	48
6.1 TEST PROCEDURE	48
6.2 DESCRIPTION OF TEST CONFIGURATION.....	49
6.3 MAXIMUM TARGET OUTPUT POWER.....	55
6.4 TEST RESULTS:	58
7. Standalone SAR test exclusion considerations	135
7.1 ANTENNA DISTANCE TO EDGE	135
7.2 STANDALONE SAR TEST EXCLUSION CONSIDERATIONS.....	136
7.3 SAR TEST EXCLUSION FOR THE EUT EDGE CONSIDERATIONS RESULT	137
8. SAR MEASUREMENT RESULTS	138
8.1 SAR TEST DATA	138

9. Measurement Variability	174
10. SAR SIMULTANEOUS TRANSMISSION DESCRIPTION	175
11. SAR Plots	177
APPENDIX A MEASUREMENT UNCERTAINTY	178
APPENDIX B EUT TEST POSITION PHOTOS	180
APPENDIX C CALIBRATION CERTIFICATES	181

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR230743984-SA	Original Report	2023-10-31

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

Device Type:	Portable
Exposure Category:	Population / Uncontrolled
Antenna Type(s):	Internal Antenna
Body-Worn Accessories:	None
Proximity Sensor:	None
Carrier Aggregation:	None
Operation modes:	GSM Voice, GPRS/EDGE Data, WCDMA (R99 (Voice +Data), HSDPA/HSUPA/HSPA+), FDD-LTE, TDD-LTE, 5G NR, WLAN, Bluetooth
Frequency Band:	GSM 850: 824-849 MHz (TX); 869-894 MHz (RX) PCS 1900: 1850-1910 MHz (TX); 1930-1990 MHz (RX) WCDMA Band 2: 1850-1910 MHz (TX); 1930-1990 MHz (RX) WCDMA Band 4: 1710-1755 MHz (TX) ; 2110-2155 MHz (RX) WCDMA Band 5: 824-849 MHz (TX); 869-894 MHz (RX) LTE Band 2: 1850-1910 MHz (TX); 1930-1990 MHz (RX) LTE Band 4: 1710-1755 MHz (TX); 2110-2155 MHz (RX) LTE Band 5: 824-849 MHz (TX); 869-894 MHz (RX) LTE Band 7: 2500-2570 MHz (TX); 2620-2690 MHz (RX) LTE Band 12: 699-716 MHz (TX); 729-746 MHz (RX) LTE Band 13: 777-787 MHz (TX); 746-756 MHz (RX) LTE Band 17: 704-716 MHz (TX); 734-746 MHz (RX) LTE Band 26: 814-849 MHz (TX); 859-894 MHz (RX) (for 22H&90S) LTE Band 38: 2570-2620 MHz (TX/RX) LTE Band 40 Lower: 2305-2315 MHz (TX) ; 2305-2315 MHz (RX) LTE Band 40 Upper: 2350-2360 MHz (TX) ; 2350-2360 MHz (RX) LTE Band 41: 2535-2655 MHz (TX/RX) LTE Band 66: 1710-1780 MHz (TX); 2110-2180 MHz (RX) 5G NR n2: 1850-1910 MHz (TX); 1930-1990 MHz (RX) 5G NR n5: 824-849 MHz (TX); 869-894 MHz (RX) 5G NR n7: 2500-2570 MHz (TX); 2620-2690 MHz (RX) 5G NR n26: 814-849 MHz (TX); 859-894 MHz (RX) 5G NR n38: 2570-2620 MHz (TX/RX) 5G NR n41: 2535-2655 MHz (TX/RX) 5G NR n66: 1710-1780 MHz (TX); 2110-2180 MHz (RX) WLAN 2.4G: 2412 MHz-2462 MHz WLAN 5.2G: 5150 MHz-5250 MHz WLAN 5.3G: 5250 MHz-5350 MHz WLAN 5.6G: 5470 MHz-5725 MHz WLAN 5.8G: 5725 MHz-5850 MHz Bluetooth: 2402 MHz-2480 MHz

Conducted RF Power:	GSM 850: 33.73 dBm PCS 1900: 29.11 dBm WCDMA Band 2: 23.24 dBm WCDMA Band 4: 23.00 dBm WCDMA Band 5: 24.74 dBm LTE Band 2: 22.46 dBm LTE Band 4: 22.64 dBm LTE Band 5: 24.06 dBm LTE Band 7: 22.49 dBm LTE Band 12: 23.98 dBm LTE Band 13: 23.93 dBm LTE Band 17: 24.06 dBm LTE Band 26: 24.11 dBm LTE Band 38: 23.11 dBm LTE Band 40 Lower: 22.33 dBm LTE Band 40 Upper: 22.30 dBm LTE Band 41: 23.23 dBm LTE Band 66: 22.57 dBm 5G NR n2: 23.01 dBm 5G NR n5: 24.26 dBm 5G NR n7: 22.04 dBm 5G NR n26: 25.03 dBm 5G NR n38: 23.23 dBm 5G NR n41: 22.60 dBm 5G NR n66: 22.90 dBm WLAN 2.4G (CH 0): 16.23 dBm WLAN 5.2G (CH 0): 13.73 dBm WLAN 5.3G (CH 0): 14.18 dBm WLAN 5.6G (CH 0): 13.12 dBm WLAN 5.8G (CH 0): 12.45 dBm WLAN 2.4G (CH 1): 16.51 dBm WLAN 5.2G (CH 1): 12.93 dBm WLAN 5.3G (CH 1): 13.59 dBm WLAN 5.6G (CH 1): 14.35 dBm WLAN 5.8G (CH 1): 14.39 dBm Bluetooth (BDR/EDR): 11.89 dBm BLE: 6.20 dBm
Dimensions (L*W*H):	170 mm (L) * 80 mm (W) * 20 mm (H)
Rated Input Voltage:	DC 3.85V from Rechargeable Battery
Serial Number:	294A-2
Normal Operation:	Head and Body Worn

Note:

1. This device supports 5G NR FR1 bands, only SA mode supports.
2. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show DFT-S-OFDM power table and chose DFT-s-OFDM to perform SAR testing.

1.2 Test Specification, Methods and Procedures

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093, IEEE 1528-2013, the following FCC Published RF exposure KDB procedures:

KDB 447498 D01 General RF Exposure Guidance v06
KDB 648474 D04 Handset SAR v01r03
KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
KDB 865664 D02 RF Exposure Reporting v01r02
KDB 941225 D01 3G SAR Procedures v03r01
KDB 941225 D05 SAR for LTE Devices v02r05
KDB 941225 D06 Hotspot Mode v02r01
KDB 248227 D01 802.11 Wi-Fi SAR v02r02

TCB Workshop April 2019: RF Exposure Procedures

1.3 SAR Limits

FCC Limit

EXPOSURE LIMITS	SAR (W/kg)	
	(General Population / Uncontrolled Exposure Environment)	(Occupational / Controlled Exposure Environment)
Spatial Average (averaged over the whole body)	0.08	0.4
Spatial Peak (averaged over any 1 g of tissue)	1.60	8.0
Spatial Peak (hands/wrists/feet/ankles averaged over 10 g)	4.0	20.0

Population/Uncontrolled Environments are defined as locations where there is the exposure of individual who have no knowledge or control of their exposure.

Occupational/Controlled Environments are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure (i.e. as a result of employment or occupation).

General Population/Uncontrolled environments Spatial Peak limit 1.6W/kg for 1g SAR applied to the EUT.

1.4 FACILITIES

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The test sites and measurement facilities used to collect data are located at:

☐ SAR Lab 1	☒ SAR Lab 2
------------------------------------	---

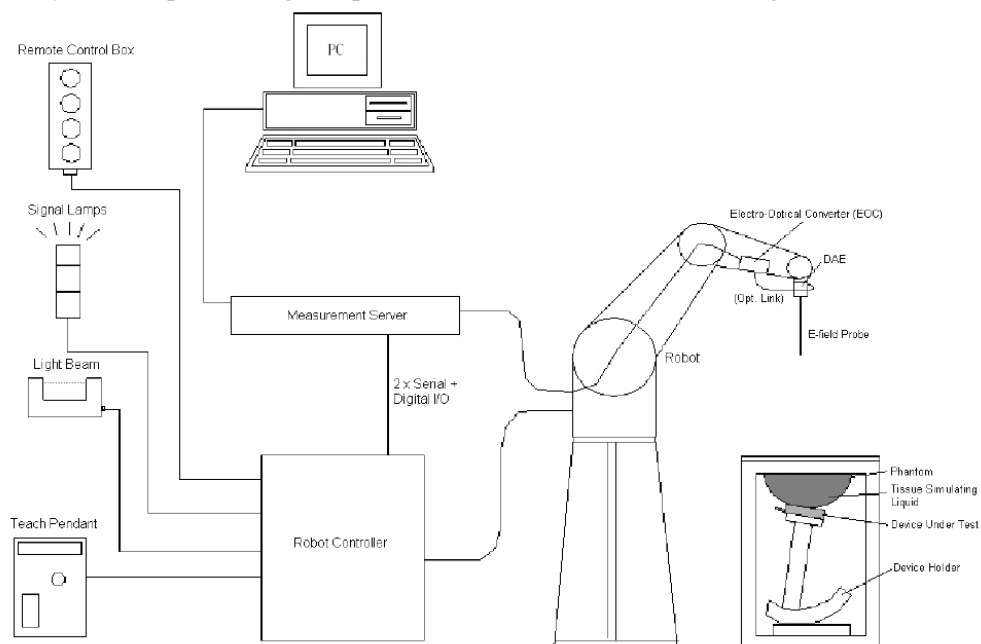
2. SAR MEASUREMENT SYSTEM

These measurements were performed with the automated near-field scanning system DASY5 from Schmid & Partner Engineering AG (SPEAG) which is the Fifth generation of the system shown in the figure hereinafter:



DASY5 System Description

The DASY5 system for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal application, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win7 professional operating system and the DASY52 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

DASY5 Measurement Server

The DASY5 measurement server is based on a PC/104 CPU board with a 400MHz Intel ULV Celeron, 128MB chip-disk and 128MB RAM. The necessary circuits for communication with the DAE4 (or DAE3) electronics box, as well as the 16 bit AD-converter system for optical detection and digital I/O interface are contained on the DASY5 I/O board, which is directly connected to the PC/104 bus of the CPU board.



The measurement server performs all real-time data evaluation of field measurements and surface detection, controls robot movements and handles safety operation. The PC operating system cannot interfere with these time critical processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements. Furthermore, the measurement server is equipped with an expansion port which is reserved for future applications. Please note that this expansion port does not have a standardized point out, and therefore only devices provided by SPEAG can be connected. Devices from any other supplier could seriously damage the measurement server.

Data Acquisition Electronics

The data acquisition electronics (DAE4) consist 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 with a 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 mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

The input impedance of both the DAE4 as well as of the DAE3 box is 200M Ω ; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

EX3DV4 E-Field Probes

Frequency	4 MHz - 10 GHz Linearity: ± 0.2 dB (30 MHz to 10 GHz)
Directivity	± 0.1 dB in TSL (rotation around probe axis) ± 0.3 dB in TSL (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: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY3, DASY4, DASY52, DASY6, DASY8, EASY6, EASY4/MRI

Calibration Frequency Points for EX3DV4 E-Field Probes SN: 7522 Calibrated: 2023/5/29

Calibration Frequency Point(MHz)	Frequency Range(MHz)		Conversion Factor		
	From	To	X	Y	Z
750 Head	650	850	9.90	9.90	9.90
900 Head	850	1000	9.37	9.37	9.37
1750 Head	1650	1850	8.15	8.15	8.15
1900 Head	1850	2000	7.94	7.94	7.94
2300 Head	2200	2400	7.67	7.67	7.67
2450 Head	2400	2550	7.42	7.42	7.42
2600 Head	2550	2700	7.23	7.23	7.23
5250 Head	5140	5360	5.36	5.36	5.36
5500 Head	5390	5610	4.85	4.85	4.85
5750 Head	5640	5860	4.90	4.90	4.90

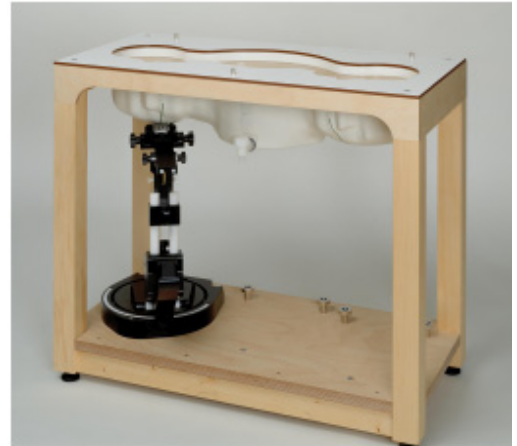
SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region, where shell thickness increases to 6 mm). The phantom has three measurement areas:

- _ Left Head
- _ Right Head
- _ Flat phantom

The phantom table for the DASY systems based on the robots have the size of 100 x 50 x 85 cm (L x W x H). For easy dislocation these tables have fork lift cut outs at the bottom.

The bottom plate contains three pairs of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. Only one device holder is necessary if two phantoms are used (e.g., for different liquids)



A white cover is provided to cover the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. Free space scans of devices on top of this phantom cover are possible. Three reference marks are provided on the phantom counter. These reference marks are used to teach the absolute phantom position relative to the robot.

Robots

The DASY5 system uses the high precision industrial robot. The robot offers the same features important for our application:

- High precision (repeatability 0.02mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements (brushless synchrony motors; no stepper motors)
- Low ELF interference (motor control fields shielded via the closed metallic construction shields)

The above mentioned robots are controlled by the Staubli CS8c robot controllers. All information regarding the use and maintenance of the robot arm and the robot controller is contained on the CDs delivered along with the robot. Paper manuals are available upon request direct from Staubli.

SAR Scan Procedures

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements 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. The minimum distance of probe sensors to surface is 1.4 mm. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

Step 2: Area Scans

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for FCC applications utilize a 15mm 2 step integral, with 1.5mm interpolation used to locate the peak SAR area used for zoom scan assessments.

Where the system identifies multiple SAR peaks (which are within 25% of peak value) the system will provide the user with the option of assessing each peak location individually for zoom scan averaging.

Area Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 mm $\pm$ 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2)$ mm $\pm$ 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.	

Step 3: Zoom Scan (Cube Scan Averaging)

The averaging zoom scan volume utilized in the DASY5 software is in the shape of a cube and the side dimension of a 1 g or 10 g mass is dependent on the density of the liquid representing the simulated tissue. A density of 1000 kg/m³ is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1g cube is 5mm, with the side length of the 10g cube is 21.5mm.

Zoom Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

			$\leq 3 \text{ GHz}$	$> 3 \text{ GHz}$
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			$\leq 2 \text{ GHz}: \leq 8 \text{ mm}$ $2 - 3 \text{ GHz}: \leq 5 \text{ mm}^*$	$3 - 4 \text{ GHz}: \leq 5 \text{ mm}^*$ $4 - 6 \text{ GHz}: \leq 4 \text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		$\leq 5 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 4 \text{ mm}$ $4 - 5 \text{ GHz}: \leq 3 \text{ mm}$ $5 - 6 \text{ GHz}: \leq 2 \text{ mm}$
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	$\leq 4 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 3 \text{ mm}$ $4 - 5 \text{ GHz}: \leq 2.5 \text{ mm}$ $5 - 6 \text{ GHz}: \leq 2 \text{ mm}$
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1) \text{ mm}$	
Minimum zoom scan volume	x, y, z		$\geq 30 \text{ mm}$	$3 - 4 \text{ GHz}: \geq 28 \text{ mm}$ $4 - 5 \text{ GHz}: \geq 25 \text{ mm}$ $5 - 6 \text{ GHz}: \geq 22 \text{ mm}$
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.				
* When zoom scan is required and the <u>reported</u> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB Publication 447498 is $\leq 1.4 \text{ W/kg}$, $\leq 8 \text{ mm}$, $\leq 7 \text{ mm}$ and $\leq 5 \text{ mm}$ zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

Step 4: Power Drift Measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

When the cube intersects with the surface of the phantom, it is oriented so that 3 vertices touch the surface of the shell or the center of a face is tangent to the surface. The face of the cube closest to the surface is modified in order to conform to the tangent surface.

The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications (including FCC) utilize a physical step of 7 x 7 x 7 (5mmx5mmx5mm) providing a volume of 30 mm in the X & Y & Z axis.

Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEC 62209-1:2016

Recommended Tissue Dielectric Parameters for Head liquid

Table A.3 – Dielectric properties of the head tissue-equivalent liquid

Frequency MHz	Relative permittivity ϵ_r	Conductivity (σ) S/m
300	45,3	0,87
450	43,5	0,87
<i>750</i>	<i>41,9</i>	<i>0,89</i>
835	41,5	0,90
900	41,5	0,97
1 450	40,5	1,20
<i>1 500</i>	<i>40,4</i>	<i>1,23</i>
<i>1 640</i>	<i>40,2</i>	<i>1,31</i>
<i>1 750</i>	<i>40,1</i>	<i>1,37</i>
1 800	40,0	1,40
1 900	40,0	1,40
2 000	40,0	1,40
<i>2 100</i>	<i>39,8</i>	<i>1,49</i>
<i>2 300</i>	<i>39,5</i>	<i>1,67</i>
2 450	39,2	1,80
<i>2 600</i>	<i>39,0</i>	<i>1,96</i>
3 000	38,5	2,40
<i>3 500</i>	<i>37,9</i>	<i>2,91</i>
<i>4 000</i>	<i>37,4</i>	<i>3,43</i>
<i>4 500</i>	<i>36,8</i>	<i>3,94</i>
<i>5 000</i>	<i>36,2</i>	<i>4,45</i>
<i>5 200</i>	<i>36,0</i>	<i>4,66</i>
<i>5 400</i>	<i>35,8</i>	<i>4,86</i>
<i>5 600</i>	<i>35,5</i>	<i>5,07</i>
<i>5 800</i>	<i>35,3</i>	<i>5,27</i>
<i>6 000</i>	<i>35,1</i>	<i>5,48</i>

NOTE For convenience, permittivity and conductivity values at those frequencies which are not part of the original data provided by Drossos et al. [33] or the extension to 5 800 MHz are provided (i.e. the values shown *in italics*). These values were linearly interpolated between the values in this table that are immediately above and below these values, except the values at 6 000 MHz that were linearly extrapolated from the values at 3 000 MHz and 5 800 MHz.

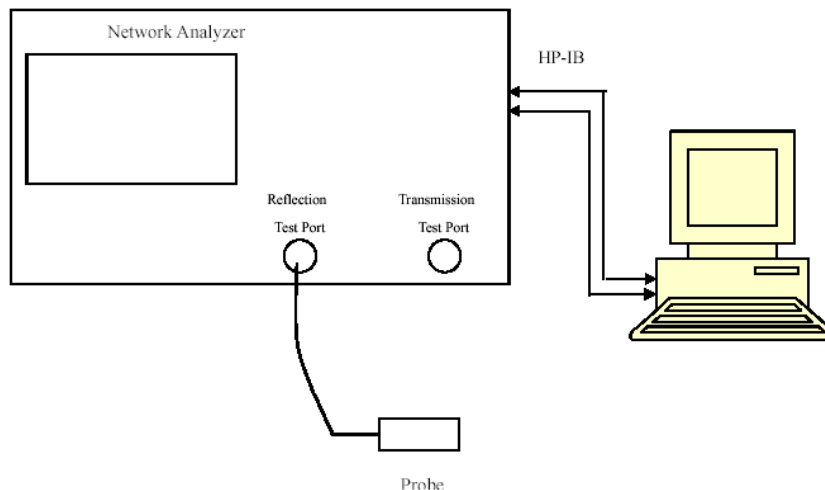
3. EQUIPMENT LIST AND CALIBRATION

3.1 Equipments List & Calibration Information

Equipment	Model	S/N	Calibration Date	Calibration Due Date
DASY5 Test Software	DASY52.8	N/A	NCR	NCR
DASY5 Measurement Server	DASY5 5.0.28	1123	NCR	NCR
Data Acquisition Electronics	DAE4	1354	2023/11/17	2024/11/16
E-Field Probe	EX3DV4	7522	2023/5/29	2024/5/28
Mounting Device	MD4HHTV5	BJPCTC0152	NCR	NCR
Twin SAM	Twin SAM V5.0	1470	NCR	NCR
Dipole, 750 MHz	D750V3	1230	2023/3/24	2026/3/23
Dipole, 1750 MHz	D1750V2	1200	2023/3/27	2026/3/26
Dipole, 1900 MHz	D1900V2	5d251	2023/3/27	2026/3/26
Dipole, 2300 MHz	D2300V2	1135	2023/3/27	2026/3/26
Dipole, 2450 MHz	D2450V2	1102	2023/3/27	2026/3/26
Dipole, 2600MHz	D2600V2	1206	2023/3/27	2026/3/26
Dipole,5GHz	D5GHzV2	1245	2023/8/23	2026/8/22
Simulated Tissue Liquid Head(500-9500 MHz)	HBBL600-10000V6	220420-2	Each Time	/
Network Analyzer	8753B	2828A00170	2022/10/24	2023/10/23
Dielectric assessment kit	1319	SM DAK 040 CA	NCR	NCR
MXG Vector Signal Generator	N5182B	MY51350144	2023/3/31	2024/3/30
Power Meter	EPM-441A/8484A	GB37481494	2023/3/31	2024/3/30
USB Average Power Sensor	U2001H	MY50000432	2023/3/31	2024/3/30
Power Amplifier	ZHL-5W-202-S+	416402204	NCR	NCR
Power Amplifier	ZVE-6W-83+	637202210	NCR	NCR
Directional Coupler	441493	520Z	NCR	NCR
Attenuator	20dB, 100W	LN749	NCR	NCR
Attenuator	6dB, 150W	2754	NCR	NCR
Thermometer	DTM3000	3892	2023/3/31	2024/3/30
Universal Radio Communication Tester	CMU200	110 825	2023/3/31	2024/3/30
Wideband Radio Communication Tester	CMW500	149218	2023/3/31	2024/3/30
Radio Communication Test Station	MT8000A	6262309799	2023/04/15	2024/04/14
Spectrum Analyzer	FSV40	101943	2023/3/31	2024/3/30

4. SAR MEASUREMENT SYSTEM VERIFICATION

4.1 Liquid Verification



Liquid Verification Setup Block Diagram

Liquid Verification Results

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta\epsilon_r$	$\Delta\sigma$ (S/m)	
707.5	Simulated Tissue Liquid Head	42.888	0.874	42.13	0.89	1.80	-1.80	± 5
750	Simulated Tissue Liquid Head	42.709	0.895	41.90	0.89	1.93	0.56	± 5
782	Simulated Tissue Liquid Head	42.892	0.900	41.75	0.89	2.74	1.12	± 5
1880	Simulated Tissue Liquid Head	41.120	1.386	40.00	1.40	2.80	-1.00	± 5
1900	Simulated Tissue Liquid Head	40.934	1.407	40.00	1.40	2.33	0.50	± 5

*Liquid Verification above was performed on 2023/12/14.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta\epsilon_r$	$\Delta\sigma$ (S/m)	
750	Simulated Tissue Liquid Head	43.192	0.890	41.90	0.89	3.08	0.00	± 5
831.5	Simulated Tissue Liquid Head	42.127	0.912	41.56	0.91	1.36	0.22	± 5
836.6	Simulated Tissue Liquid Head	42.095	0.915	41.54	0.91	1.34	0.55	± 5

*Liquid Verification above was performed on 2023/12/15.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta\epsilon_r$	$\Delta\sigma$ (S/m)	
1720	Simulated Tissue Liquid Head	40.647	1.318	40.13	1.35	1.29	-2.37	± 5
1745	Simulated Tissue Liquid Head	41.271	1.319	40.11	1.37	2.89	-3.72	± 5
1750	Simulated Tissue Liquid Head	41.396	1.319	40.10	1.37	3.23	-3.72	± 5
1770	Simulated Tissue Liquid Head	41.397	1.333	40.06	1.38	3.34	-3.41	± 5

*Liquid Verification above was performed on 2023/12/16.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta\epsilon_r$	$\Delta\sigma$ (S/m)	
1712.4	Simulated Tissue Liquid Head	41.400	1.320	40.13	1.35	3.16	-2.22	± 5
1732.6	Simulated Tissue Liquid Head	40.709	1.324	40.12	1.36	1.47	-2.65	± 5
1750	Simulated Tissue Liquid Head	40.114	1.327	40.10	1.37	0.03	-3.14	± 5
1752.6	Simulated Tissue Liquid Head	40.155	1.330	40.10	1.37	0.14	-2.92	± 5
1860	Simulated Tissue Liquid Head	41.127	1.377	40.00	1.40	2.82	-1.64	± 5
1880	Simulated Tissue Liquid Head	40.681	1.403	40.00	1.40	1.70	0.21	± 5
1900	Simulated Tissue Liquid Head	40.235	1.429	40.00	1.40	0.59	2.07	± 5

*Liquid Verification above was performed on 2023/12/17.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta\epsilon_r$	$\Delta\sigma$ (S/m)	
1880	Simulated Tissue Liquid Head	40.722	1.354	40.00	1.40	1.81	-3.29	± 5
1900	Simulated Tissue Liquid Head	40.286	1.347	40.00	1.40	0.72	-3.79	± 5
2595	Simulated Tissue Liquid Head	40.606	1.961	39.01	1.95	4.09	0.56	± 5
2600	Simulated Tissue Liquid Head	40.628	1.958	39.00	1.96	4.17	-0.10	± 5

*Liquid Verification above was performed on 2023/12/18.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta(%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta \epsilon_r$	$\Delta \sigma$	
2300	Simulated Tissue Liquid Head	40.515	1.671	39.50	1.67	2.57	0.06	± 5
2310	Simulated Tissue Liquid Head	40.557	1.684	39.48	1.68	2.73	0.24	± 5
2355	Simulated Tissue Liquid Head	40.641	1.741	39.39	1.72	3.18	1.22	± 5
2441	Simulated Tissue Liquid Head	40.635	1.841	39.22	1.79	3.61	2.85	± 5
2450	Simulated Tissue Liquid Head	40.801	1.848	39.20	1.80	4.08	2.67	± 5

*Liquid Verification above was performed on 2023/12/19.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta(%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta \epsilon_r$	$\Delta \sigma$	
2437	Simulated Tissue Liquid Head	40.054	1.826	39.23	1.79	2.10	2.01	± 5
2450	Simulated Tissue Liquid Head	40.088	1.869	39.20	1.80	2.27	3.83	± 5
2535	Simulated Tissue Liquid Head	40.094	1.830	39.09	1.89	2.57	-3.17	± 5

*Liquid Verification above was performed on 2023/12/20.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta(%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta \epsilon_r$	$\Delta \sigma$	
2437	Simulated Tissue Liquid Head	40.488	1.758	39.23	1.79	3.21	-1.79	± 5
2450	Simulated Tissue Liquid Head	40.380	1.773	39.20	1.80	3.01	-1.50	± 5
2595	Simulated Tissue Liquid Head	39.840	2.004	39.01	1.95	2.13	2.77	± 5
2600	Simulated Tissue Liquid Head	39.843	2.011	39.00	1.96	2.16	2.60	± 5

*Liquid Verification above was performed on 2023/12/21.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta(%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta \epsilon_r$	$\Delta \sigma$	
5230	Simulated Tissue Liquid Head	36.545	4.750	35.97	4.69	1.60	1.28	± 5
5250	Simulated Tissue Liquid Head	36.491	4.773	35.95	4.71	1.50	1.34	± 5
5270	Simulated Tissue Liquid Head	36.745	4.791	35.93	4.73	2.27	1.29	± 5

*Liquid Verification above was performed on 2023/12/22.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta(%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta \epsilon_r$	$\Delta \sigma$	
5550	Simulated Tissue Liquid Head	35.694	5.020	35.58	5.02	0.32	0.00	± 5
5600	Simulated Tissue Liquid Head	36.188	5.168	35.50	5.07	1.94	1.93	± 5
5750	Simulated Tissue Liquid Head	36.398	5.106	35.35	5.22	2.96	-2.18	± 5
5755	Simulated Tissue Liquid Head	36.304	5.130	35.35	5.23	2.70	-1.91	± 5
5795	Simulated Tissue Liquid Head	35.560	5.319	35.31	5.27	0.71	0.93	± 5

*Liquid Verification above was performed on 2023/12/23.

Frequency (MHz)	Liquid Type	Liquid Parameter		Target Value		Delta(%)		Tolerance (%)
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta \epsilon_r$	$\Delta \sigma$	
750	Simulated Tissue Liquid Head	43.329	0.898	41.90	0.89	3.41	0.90	± 5
836.6	Simulated Tissue Liquid Head	42.378	0.927	41.54	0.91	2.02	1.87	± 5

*Liquid Verification above was performed on 2023/12/24.

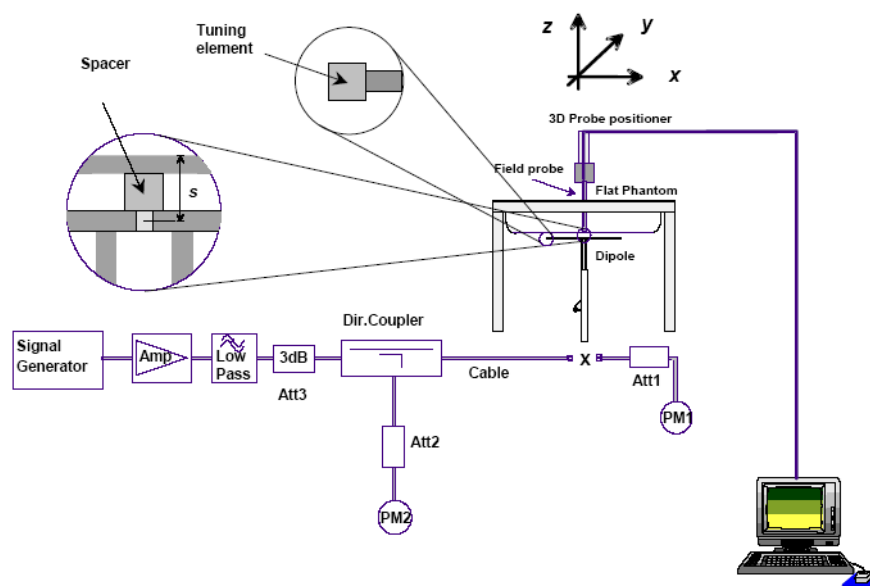
4.2 System Accuracy Verification

Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of $\pm 10\%$. The validation results are tabulated below. And also the corresponding SAR plot is attached as well in the SAR plots files.

The spacing distances in the **System Verification Setup Block Diagram** is given by the following:

- $s = 15 \text{ mm} \pm 0,2 \text{ mm}$ for $300 \text{ MHz} \leq f \leq 1\,000 \text{ MHz}$;
- $s = 10 \text{ mm} \pm 0,2 \text{ mm}$ for $1\,000 \text{ MHz} < f \leq 3\,000 \text{ MHz}$;
- $s = 10 \text{ mm} \pm 0,2 \text{ mm}$ for $3\,000 \text{ MHz} < f \leq 6\,000 \text{ MHz}$.

System Verification Setup Block Diagram



System Accuracy Check Results

Date	Frequency Band	Liquid Type	Input Power (mW)	Measured SAR (W/kg)		Normalized to 1W (W/kg)	Target Value (W/kg)	Delta (%)	Tolerance (%)
2023/12/14	750 MHz	Simulated Tissue Liquid Head	100	1g	0.809	8.09	8.49	-4.71	±10
2023/12/15	750 MHz	Simulated Tissue Liquid Head	100	1g	0.882	8.82	8.49	3.89	±10
2023/12/24	750 MHz	Simulated Tissue Liquid Head	100	1g	0.819	8.19	8.49	-3.53	±10
2023/12/16	1750 MHz	Simulated Tissue Liquid Head	100	1g	3.69	36.9	35.8	3.07	±10
2023/12/17	1750 MHz	Simulated Tissue Liquid Head	100	1g	3.45	34.5	35.8	-3.63	±10
2023/12/17	1900 MHz	Simulated Tissue Liquid Head	100	1g	3.91	39.1	38.9	0.51	±10
2023/12/18	1900 MHz	Simulated Tissue Liquid Head	100	1g	3.66	36.6	38.9	-5.91	±10
2023/12/14	1900 MHz	Simulated Tissue Liquid Head	100	1g	3.82	38.2	38.9	-1.80	±10
2023/12/19	2300 MHz	Simulated Tissue Liquid Head	100	1g	4.69	46.9	48.2	-2.70	±10
2023/12/19	2450 MHz	Simulated Tissue Liquid Head	100	1g	5.32	53.2	50.9	4.52	±10
2023/12/20	2450 MHz	Simulated Tissue Liquid Head	100	1g	5.05	50.5	50.9	-0.79	±10
2023/12/21	2450 MHz	Simulated Tissue Liquid Head	100	1g	5.17	51.7	50.9	1.57	±10
2023/12/18	2600 MHz	Simulated Tissue Liquid Head	100	1g	5.41	54.1	56	-3.39	±10
2023/12/21	2600 MHz	Simulated Tissue Liquid Head	100	1g	5.43	54.3	56	-3.04	±10
2023/12/22	5250 MHz	Simulated Tissue Liquid Head	100	1g	7.93	79.3	78.0	1.67	±10
2023/12/23	5600 MHz	Simulated Tissue Liquid Head	100	1g	8.40	84.0	81	3.70	±10
2023/12/23	5750 MHz	Simulated Tissue Liquid Head	100	1g	8.20	82.0	77.8	5.40	±10

*The SAR values above are normalized to 1 Watt forward power.

4.3 SAR SYSTEM VALIDATION DATA

System Performance 750 MHz Head (Date:2023/12/14)

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1230

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

Medium parameters used: $f = 750$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 42.709$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @ 750 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 750MHz Pin=100mW/Area Scan (7x12x1): Measurement grid: dx=15 mm, dy=15 mm

Maximum value of SAR (measured) = 1.19 W/kg

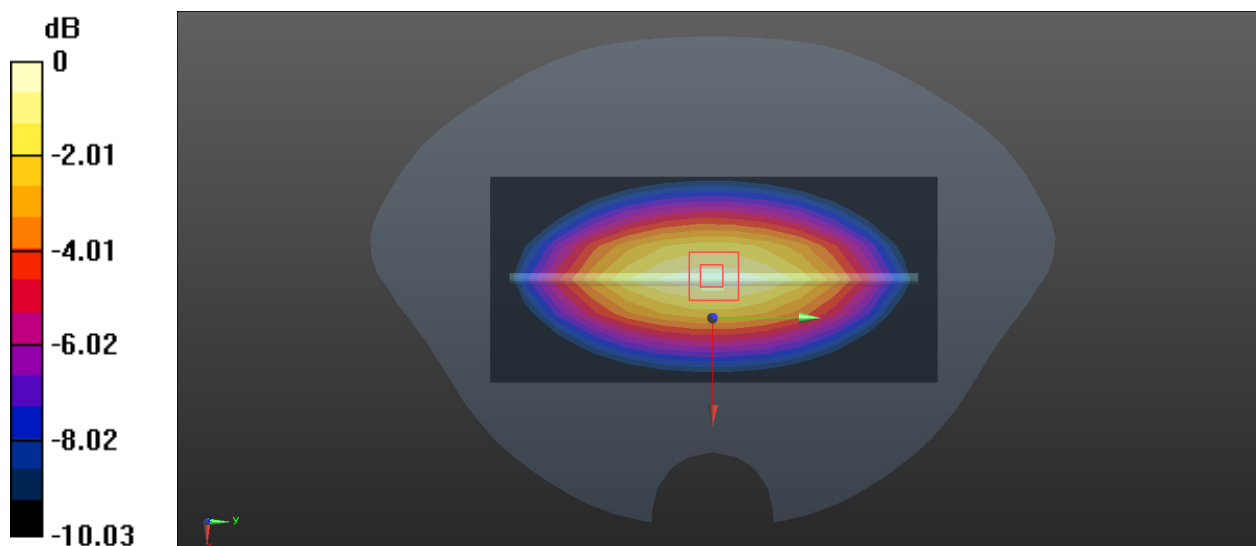
Head 750MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.20 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.809 W/kg; SAR(10 g) = 0.520 W/kg

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

System Performance 750 MHz Head(Date:2023/12/15)**DUT: Dipole 750 MHz; Type: D750V3; Serial: 1230**

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

Medium parameters used: $f = 750$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43.192$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @ 750 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 750MHz Pin=100mW/Area Scan (7x12x1): Measurement grid: dx=15 mm, dy=15 mm

Maximum value of SAR (measured) = 1.14 W/kg

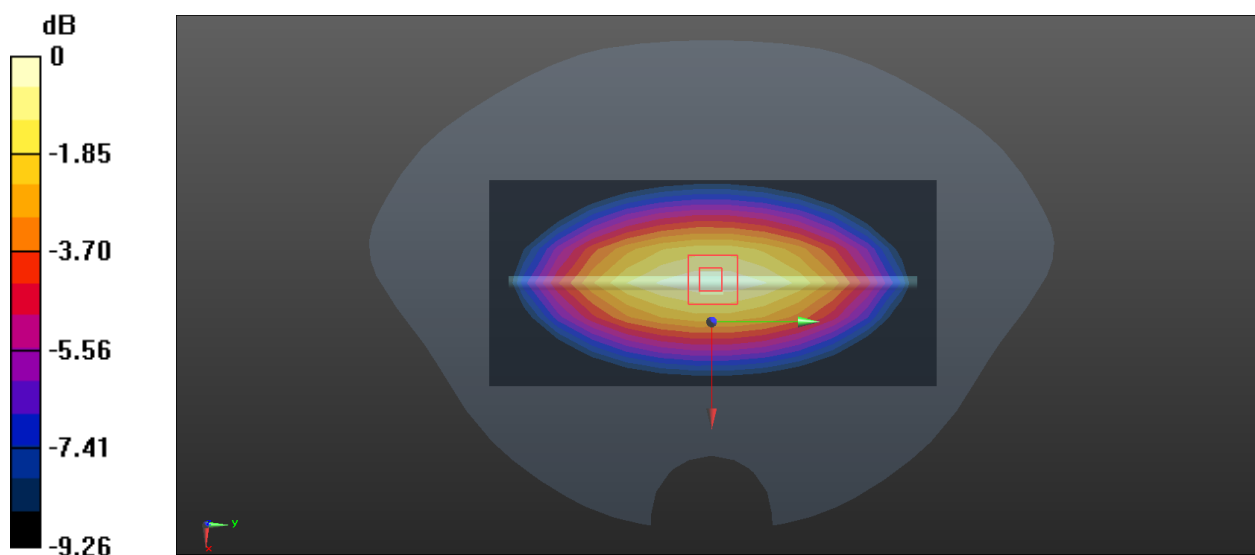
Head 750MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.42 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.882 W/kg; SAR(10 g) = 0.530 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

System Performance 750 MHz Head (Date:2023/12/24)**DUT: Dipole 750 MHz; Type: D750V3; Serial: 1230**

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

Medium parameters used: $f = 750$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 43.329$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @ 750 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 750MHz Pin=100mW/Area Scan (7x12x1): Measurement grid: dx=15 mm, dy=15 mm

Maximum value of SAR (measured) = 1.16 W/kg

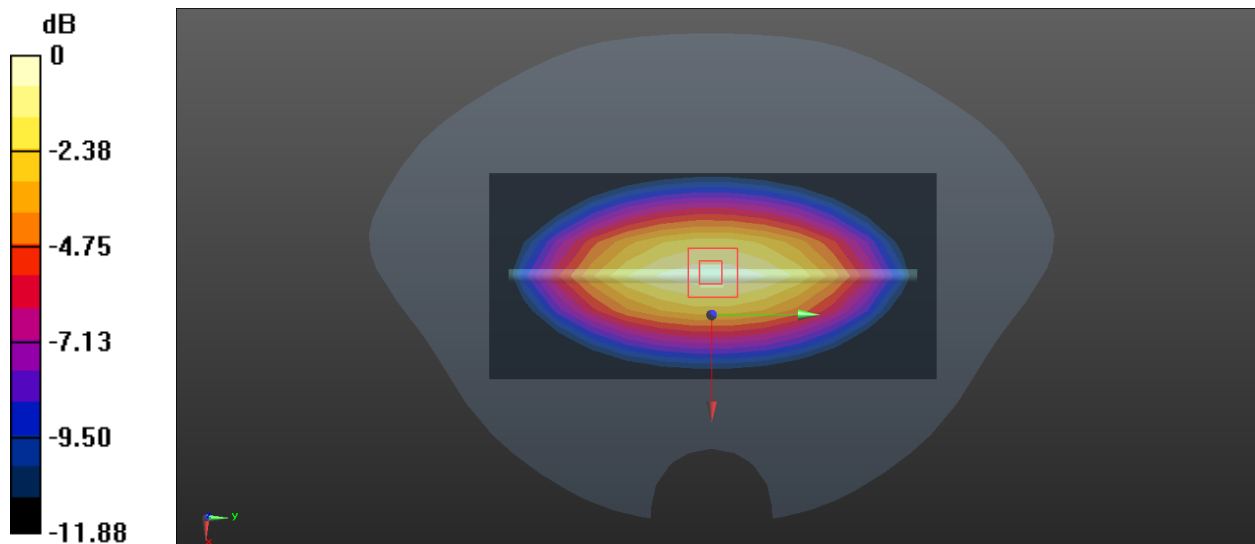
Head 750MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.99 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.512 W/kg

Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg = 0.72 dBW/kg

System Performance 1750 MHz Head (Date:2023/12/16)**DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1200**

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.319$ S/m; $\epsilon_r = 41.396$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @ 1750 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 1750MHz Pin=100mW/Area Scan (9x13x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 5.42 W/kg

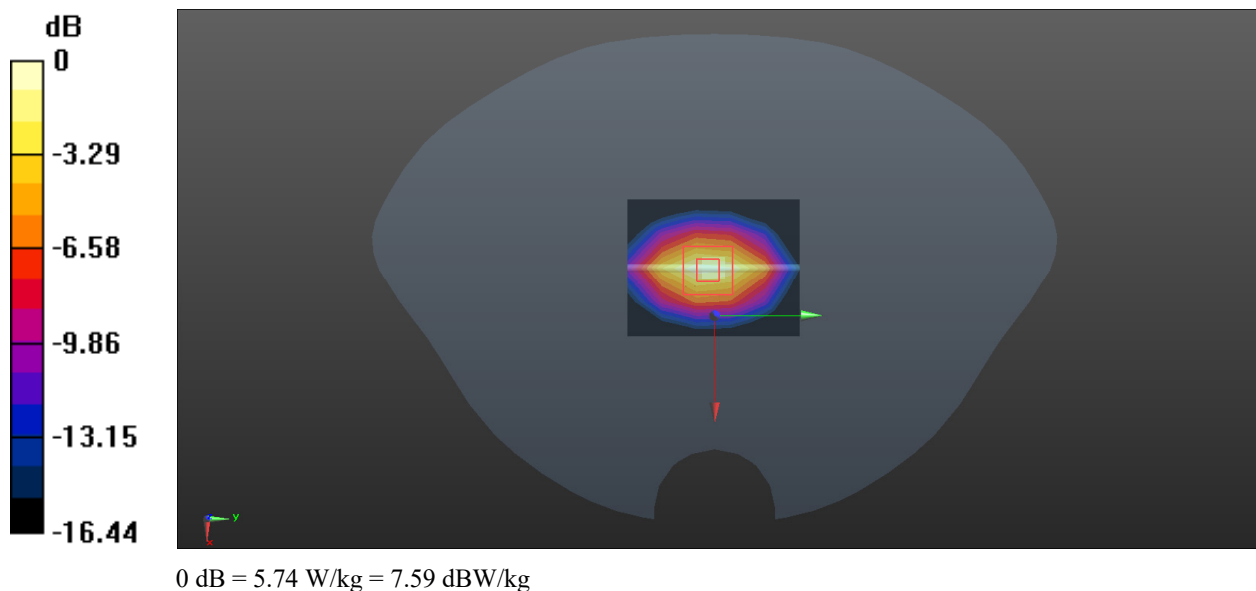
Head 1750MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 41.19 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 6.62 W/kg

SAR(1 g) = 3.69 W/kg; SAR(10 g) = 2.03 W/kg

Maximum value of SAR (measured) = 5.74 W/kg



System Performance 1750 MHz Head (Date:2023/12/17)**DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1200**

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.327$ S/m; $\epsilon_r = 40.114$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @ 1750 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 1750MHz Pin=100mW/Area Scan (9x13x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 5.28 W/kg

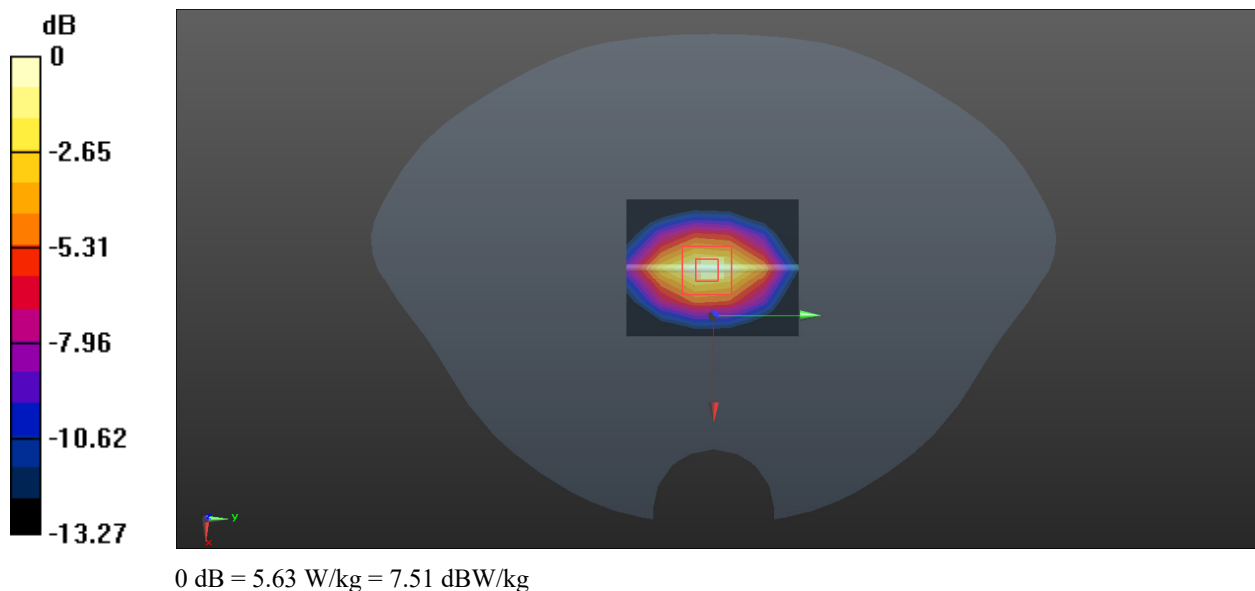
Head 1750MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.99 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 6.63 W/kg

SAR(1 g) = 3.45 W/kg; SAR(10 g) = 1.77 W/kg

Maximum value of SAR (measured) = 5.63 W/kg



System Performance 1900 MHz Head (Date:2023/12/17)**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d251**

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.429$ S/m; $\epsilon_r = 40.235$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94)@ 1900 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 1900MHz Pin=100mW/Area Scan (9x13x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 5.89 W/kg

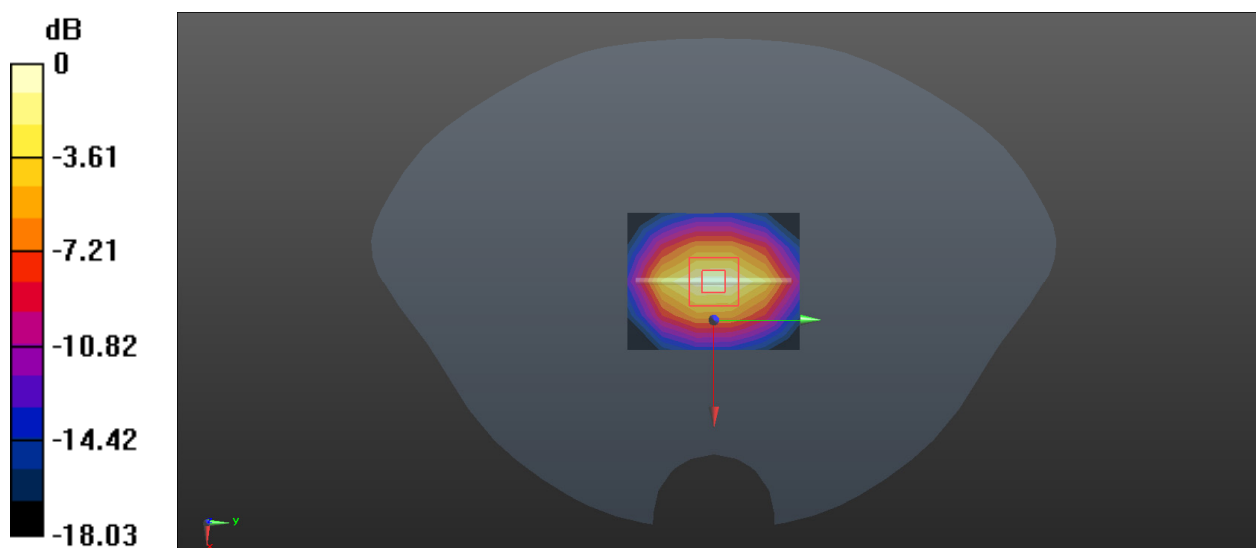
Head 1900MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.23 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 7.10 W/kg

SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.03 W/kg

Maximum value of SAR (measured) = 6.13 W/kg



0 dB = 6.13 W/kg = 7.87 dBW/kg

System Performance 1900 MHz Head (Date:2023/12/18)**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d251**

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.347$ S/m; $\epsilon_r = 40.286$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94)@ 1900 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 1900MHz Pin=100mW/Area Scan (9x13x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 5.68 W/kg

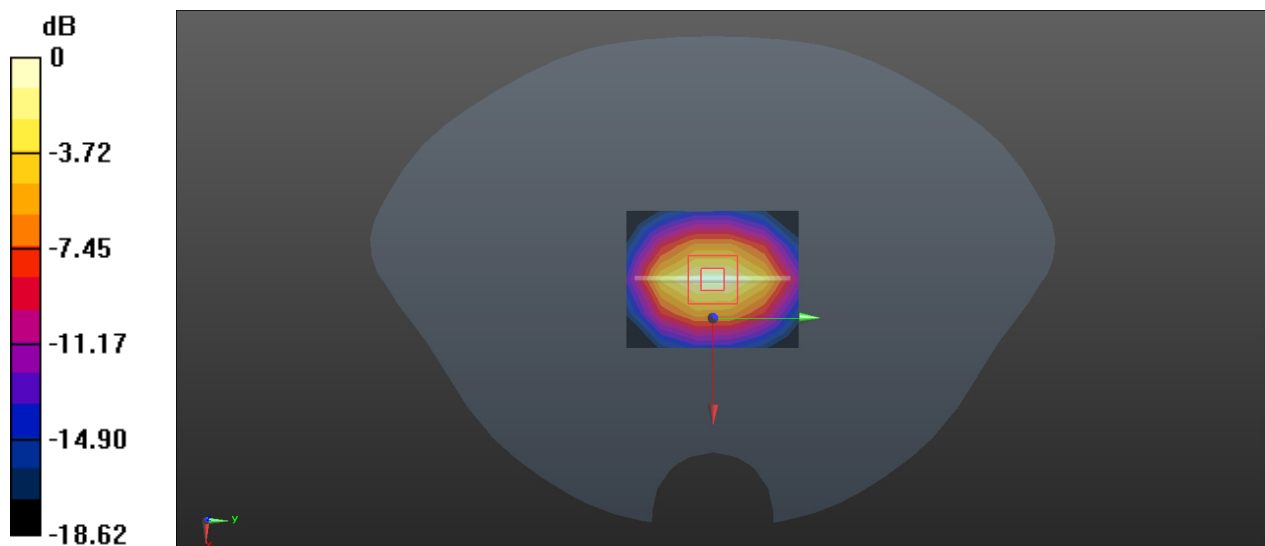
Head 1900MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.46 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 7.10 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.87 W/kg

Maximum value of SAR (measured) = 5.79 W/kg



0 dB = 5.79 W/kg = 7.63 dBW/kg

System Performance 1900 MHz Head (Date:2023/12/14)**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d251**

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 40.934$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94)@ 1900 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 1900MHz Pin=100mW/Area Scan (9x13x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 6.02 W/kg

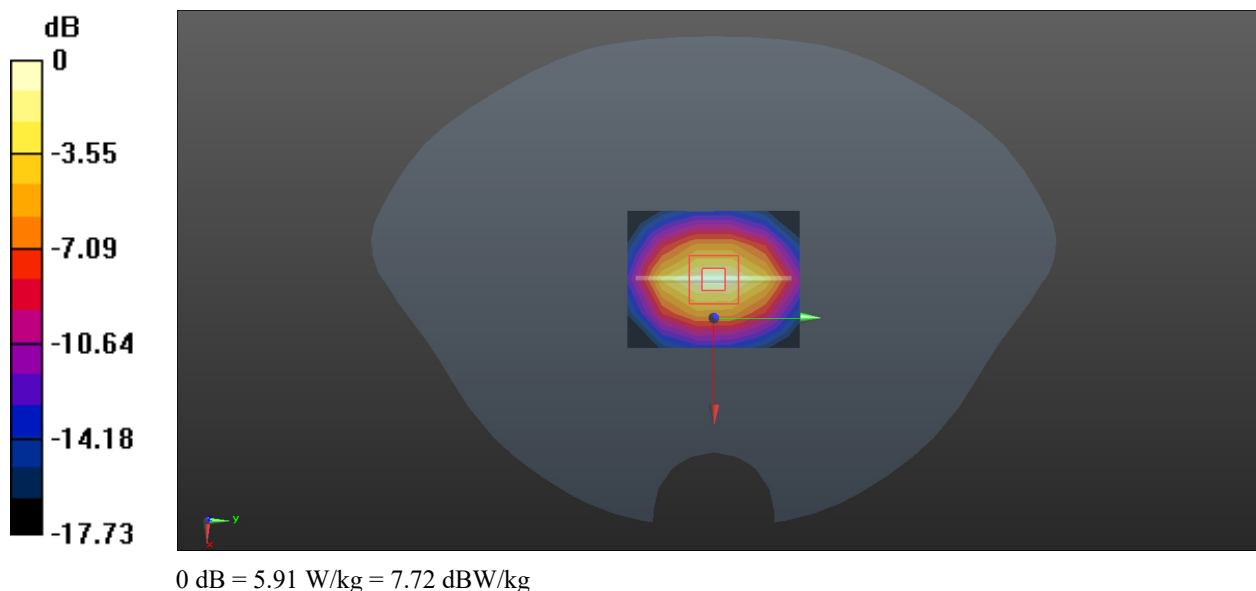
Head 1900MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 44.35 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 6.78 W/kg

SAR(1 g) = 3.82 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 5.91 W/kg



System Performance 2300 MHz Head (Date:2023/12/19)**DUT: Dipole 2300 MHz; Type: D2300V2; Serial: 1135**

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

Medium parameters used: $f = 2300$ MHz; $\sigma = 1.671$ S/m; $\epsilon_r = 40.515$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.67, 7.67, 7.67) @ 2300 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 2300MHz Pin=100mW/Area Scan (10x14x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 7.43 W/kg

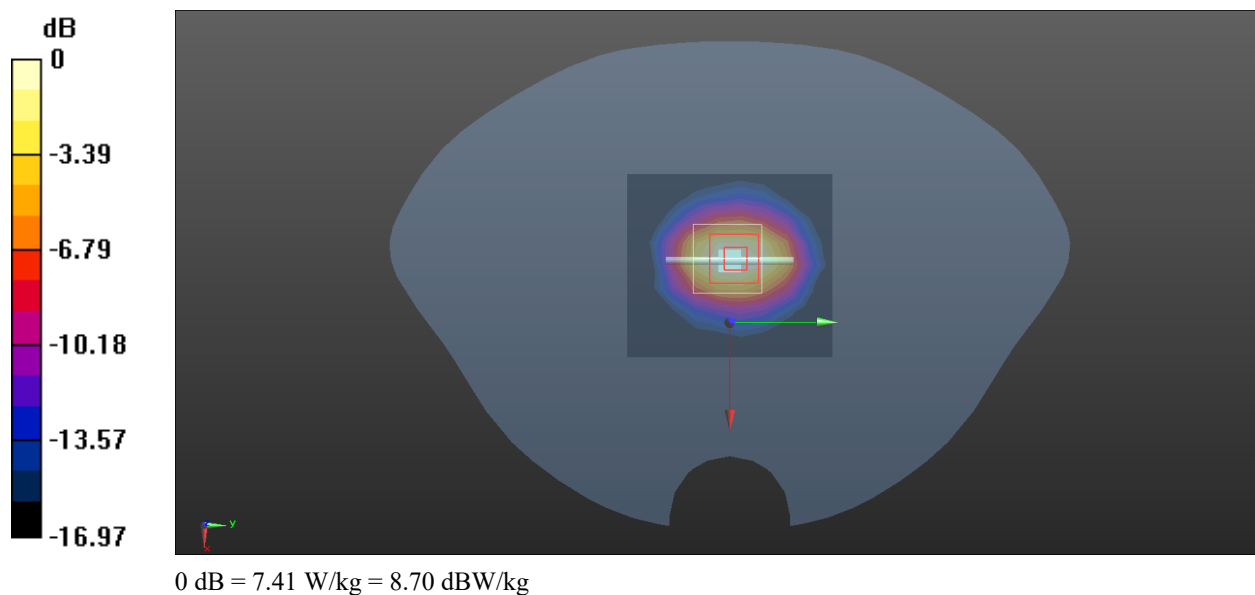
Head 2300MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.94 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 8.81 W/kg

SAR(1 g) = 4.69 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 7.41 W/kg



System Performance 2450 MHz Head (Date:2023/12/19)**DUT: Dipole 2450 MHz; Type: 2450V2; Serial: 1102**

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.848$ S/m; $\epsilon_r = 40.801$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2450 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 2450MHz Pin=100mW/Area Scan (9x10x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 8.38 W/kg

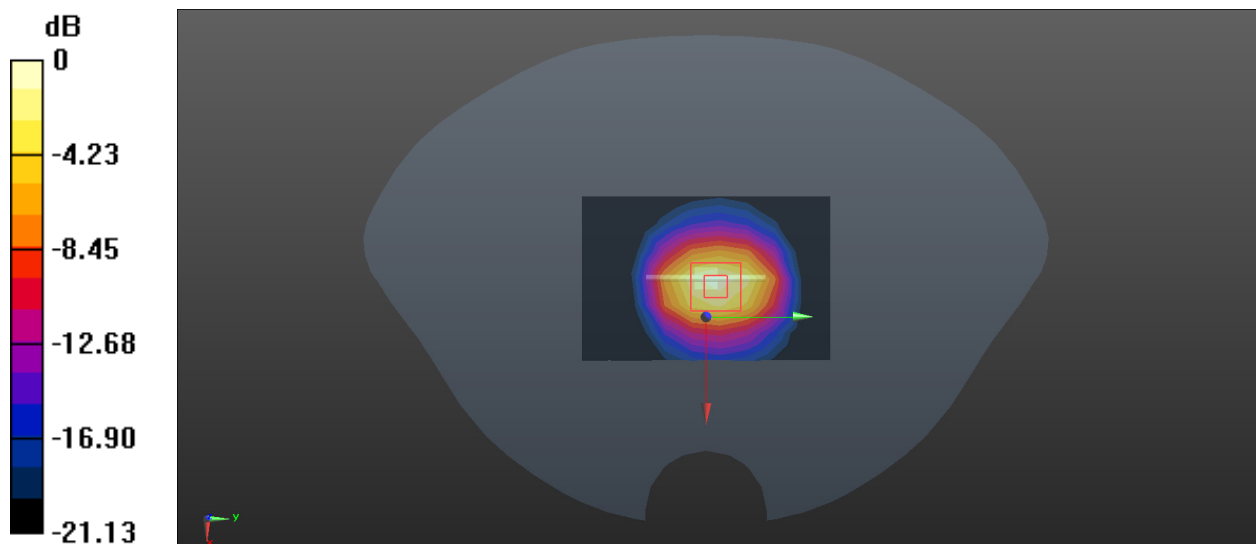
Head 2450MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.95 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.53 W/kg

Maximum value of SAR (measured) = 8.55 W/kg



System Performance 2450 MHz Head (Date:2023/12/20)**DUT: Dipole 2450 MHz; Type: 2450V2; Serial: 1102**

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 40.088$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2450 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 2450MHz Pin=100mW/Area Scan (9x10x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 8.52 W/kg

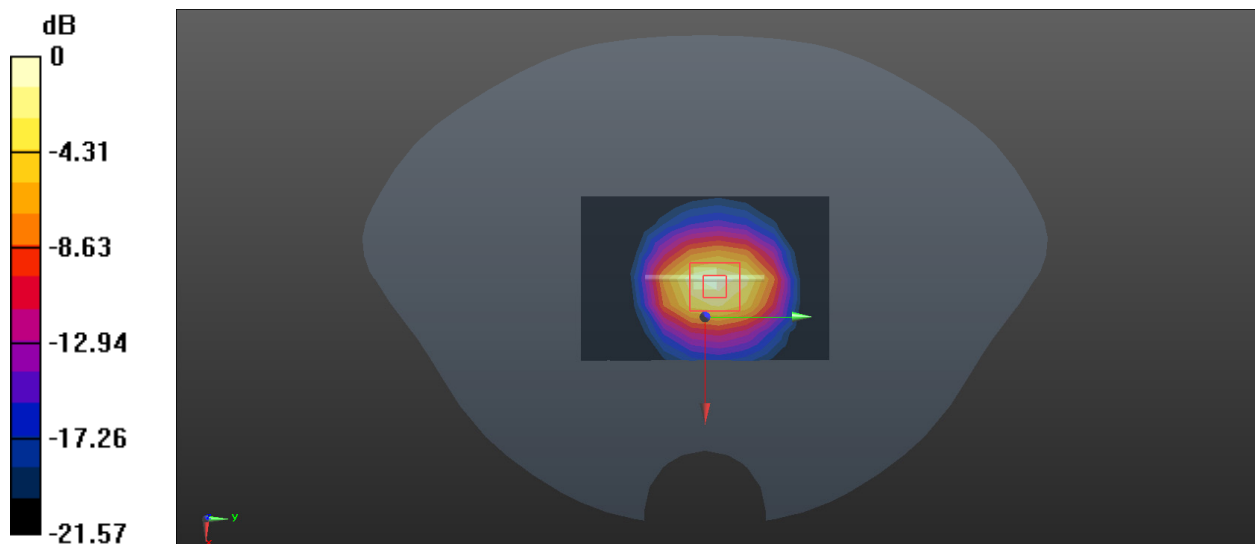
Head 2450MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.75 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 9.96 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 8.49 W/kg



0 dB = 8.49 W/kg = 9.29 dBW/kg

System Performance 2450 MHz Head (Date:2023/12/21)**DUT: Dipole 2450 MHz; Type: 2450V2; Serial: 1102**

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.773$ S/m; $\epsilon_r = 40.38$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2450 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 2450MHz Pin=100mW/Area Scan (9x10x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 8.04 W/kg

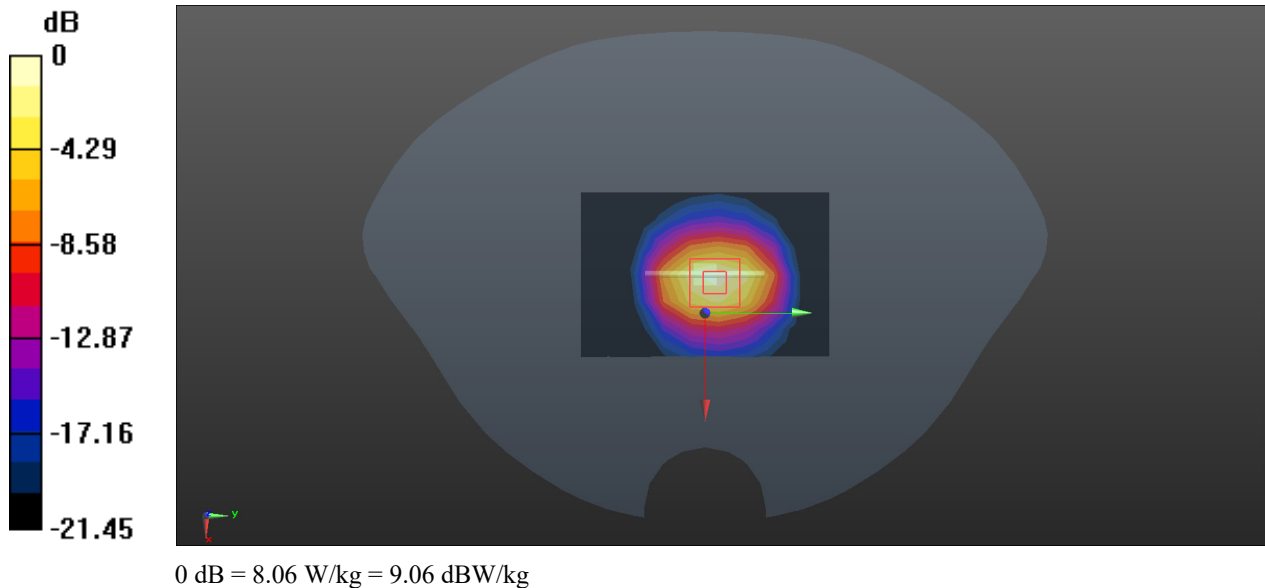
Head 2450MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.69 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 9.82 W/kg

SAR(1 g) = 5.17 W/kg; SAR(10 g) = 2.34 W/kg

Maximum value of SAR (measured) = 8.06 W/kg



System Performance 2600 MHz Head (Date:2023/12/18)**DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1206**

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.958$ S/m; $\epsilon_r = 40.628$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2600 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 2600MHz Pin=100mW/Area Scan (9x10x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 9.17 W/kg

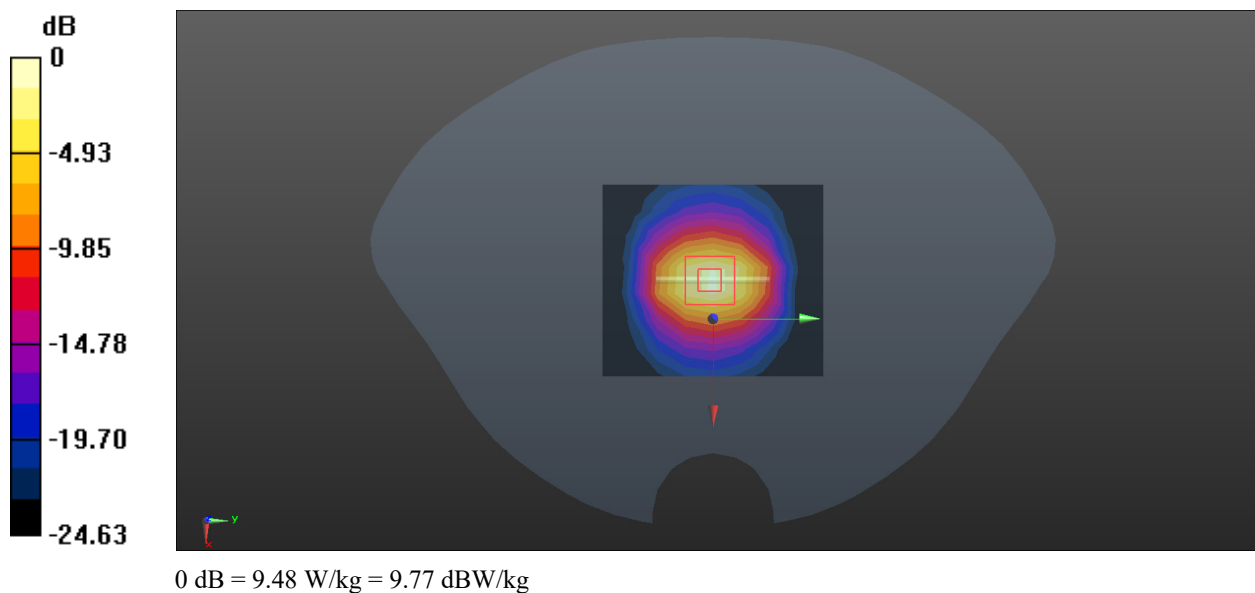
Head 2600MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.88 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.41 W/kg; SAR(10 g) = 2.69 W/kg

Maximum value of SAR (measured) = 9.48 W/kg



System Performance 2600 MHz Head (Date:2023/12/21)**DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1206**

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 39.843$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2600 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 2600MHz Pin=100mW/Area Scan (9x10x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 9.25 W/kg

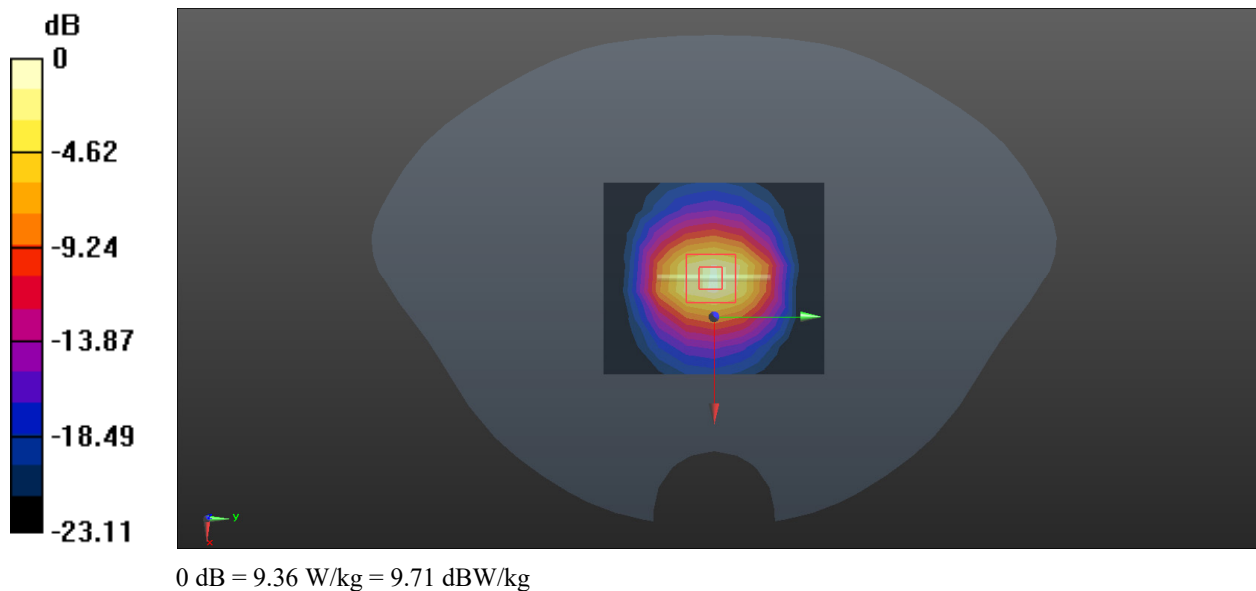
Head 2600MHz Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.78 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.43 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 9.36 W/kg



System Performance 5250 MHz Head (Date:2023/12/22)**DUT: Dipole 5GHz Type: D5GHZV2; Serial: 1245**

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.773$ S/m; $\epsilon_r = 36.491$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(5.36, 5.36, 5.36) @ 5250 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 5250MHz Pin=100mW/Area Scan (7x9x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 17.4 W/kg

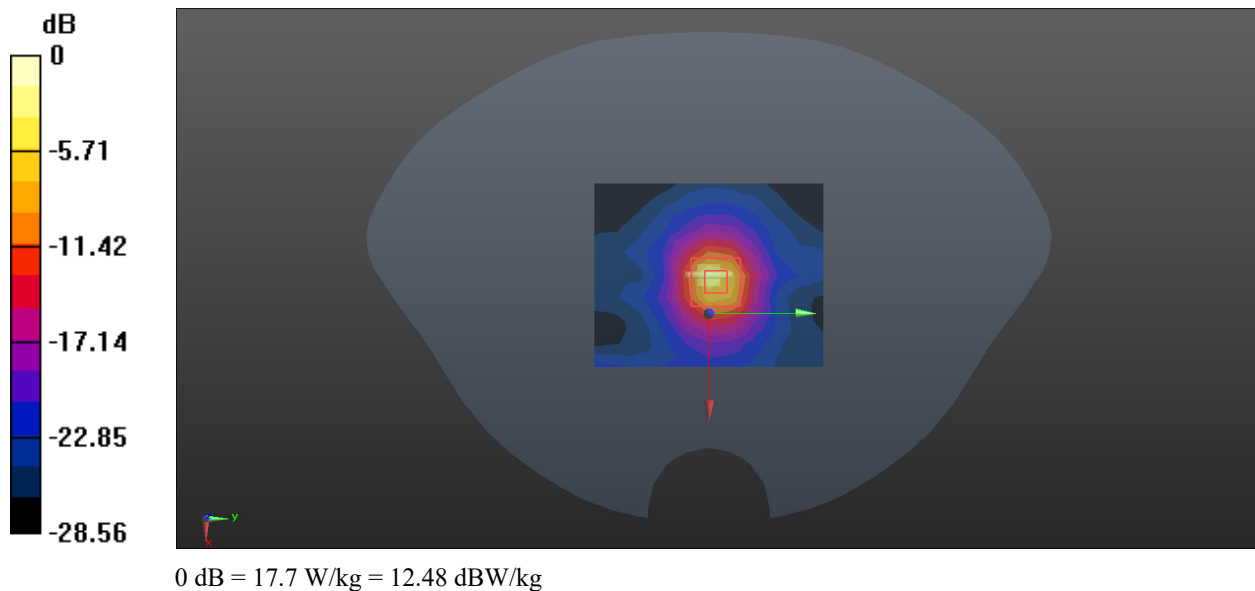
Head 5250MHz Pin=100mW/Zoom Scan (9x9x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 63.87 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 31.5 W/kg

SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 17.7 W/kg



System Performance 5600 MHz Head (Date:2023/12/23)**DUT: Dipole 5GHz Type: D5GHZV2; Serial: 1245**

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.168$ S/m; $\epsilon_r = 36.188$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(4.9, 4.9, 4.9) @ 5600 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 5600MHz Pin=100mW/Area Scan (7x9x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (measured) = 19.1 W/kg

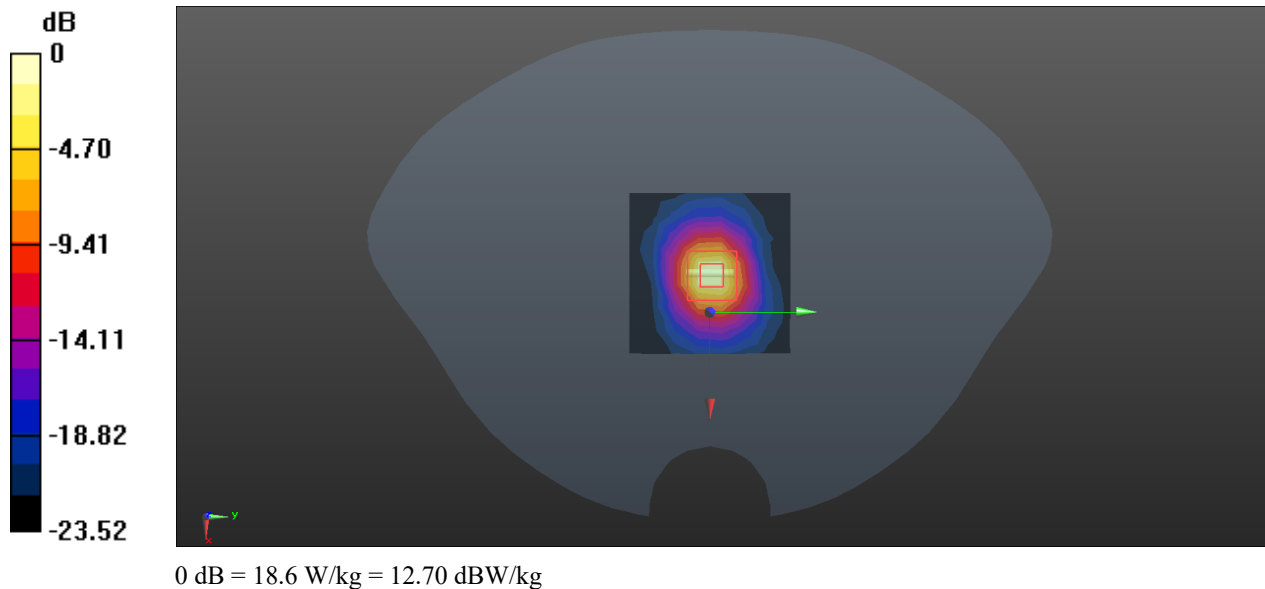
Head 5600MHz Pin=100mW/Zoom Scan (9x9x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 66.33 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 36.2 W/kg

SAR(1 g) = 8.40 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 18.6 W/kg



System Performance 5750 MHz Head (Date:2023/12/23)**DUT: Dipole 5GHz Type: D5GHZV2; Serial: 1245**

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.106$ S/m; $\epsilon_r = 36.398$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(4.9, 4.9, 4.9) @ 5750 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Head 5750MHz Pin=100mW/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 19.5 W/kg

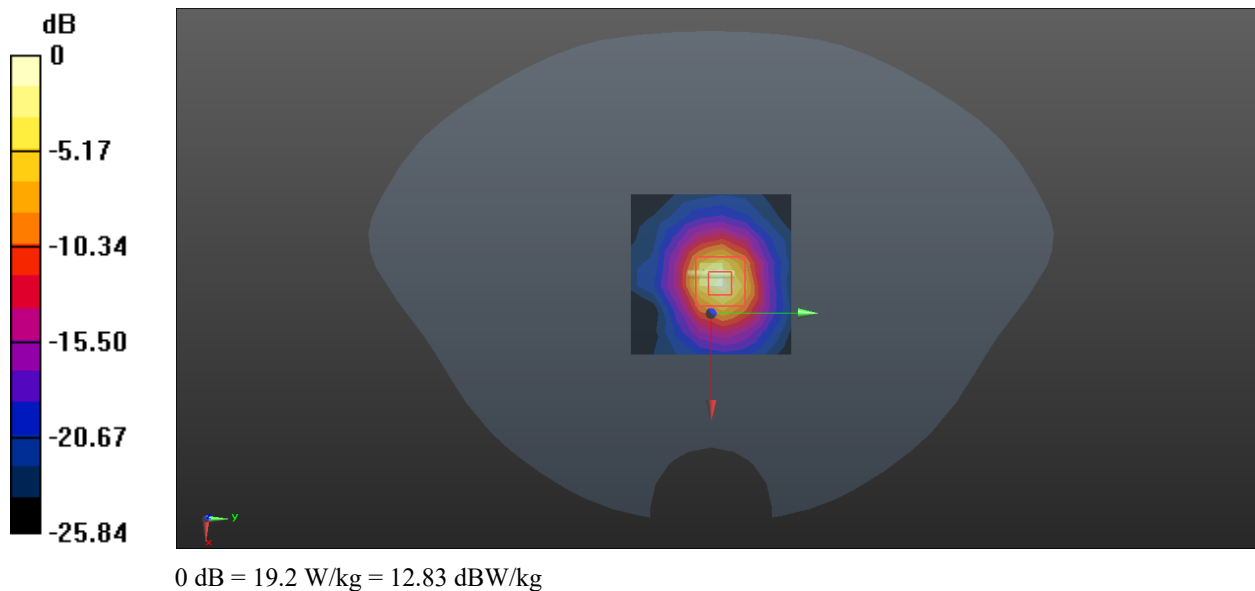
Head 5750MHz Pin=100mW/Zoom Scan (9x9x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.56 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 37.0 W/kg

SAR(1 g) = 8.20 W/kg; SAR(10 g) = 2.03 W/kg

Maximum value of SAR (measured) = 19.2 W/kg

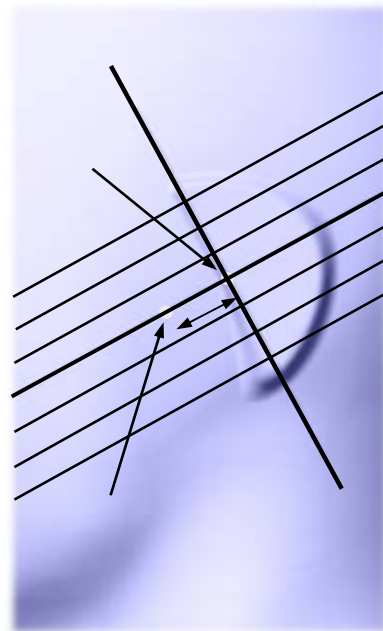
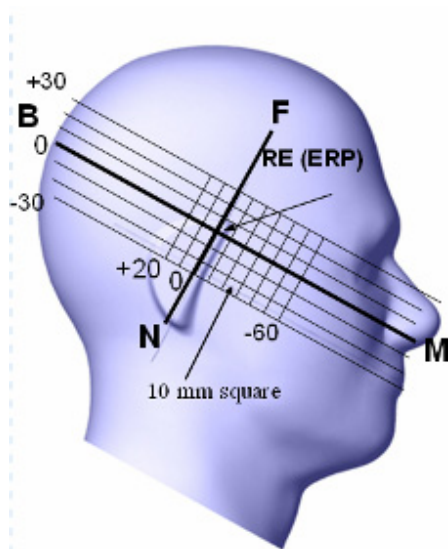


5. EUT TEST STRATEGY AND METHODOLOGY

5.1 Test Positions for Device Operating Next to a Person's Ear

This category includes most wireless handsets with fixed, retractable or internal antennas located toward the top half of the device, with or without a foldout, sliding or similar keypad cover. The handset should have its earpiece located within the upper ¼ of the device, either along the centerline or off-centered, as perceived by its users. This type of handset should be positioned in a normal operating position with the “test device reference point” located along the “vertical centerline” on the front of the device aligned to the “ear reference point”. The “test device reference point” should be located at the same level as the center of the earpiece region. The “vertical centerline” should bisect the front surface of the handset at its top and bottom edges. A “ear reference point” is located on the outer surface of the head phantom on each ear spacer. It is located 1.5 cm above the center of the ear canal entrance in the “phantom reference plane” defined by the three lines joining the center of each “ear reference point” (left and right) and the tip of the mouth.

A handset should be initially positioned with the earpiece region pressed against the ear spacer of a head phantom. For the SCC-34/SC-2 head phantom, the device should be positioned parallel to the “N-F” line defined along the base of the ear spacer that contains the “ear reference point”. For interim head phantoms, the device should be positioned parallel to the cheek for maximum RF energy coupling. The “test device reference point” is aligned to the “ear reference point” on the head phantom and the “vertical centerline” is aligned to the “phantom reference plane”. This is called the “initial ear position”. While maintaining these three alignments, the body of the handset is gradually adjusted to each of the following positions for evaluating SAR:



5.2 Cheek/Touch Position

The device is brought toward the mouth of the head phantom by pivoting against the “ear reference point” or along the “N-F” line for the SCC-34/SC-2 head phantom.

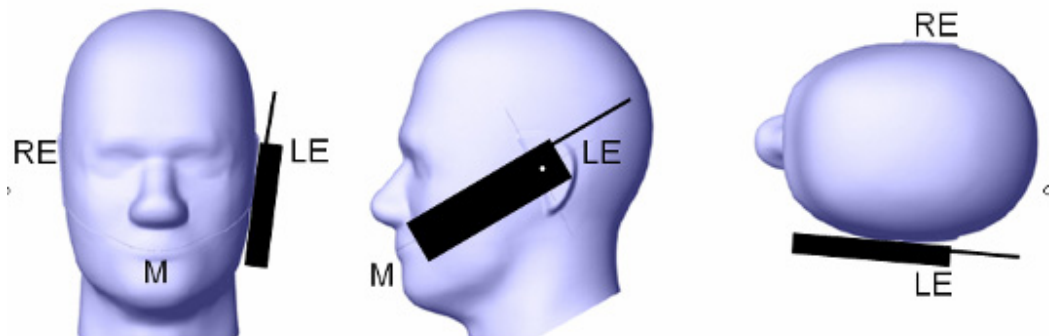
This test position is established:

When any point on the display, keypad or mouthpiece portions of the handset is in contact with the phantom.

(or) When any portion of a foldout, sliding or similar keypad cover opened to its intended self-adjusting normal use position is in contact with the cheek or mouth of the phantom.

For existing head phantoms – when the handset loses contact with the phantom at the pivoting point, rotation should continue until the device touches the cheek of the phantom or breaks its last contact from the ear spacer.

Cheek /Touch Position



5.3 Ear/Tilt Position

With the handset aligned in the “Cheek/Touch Position”:

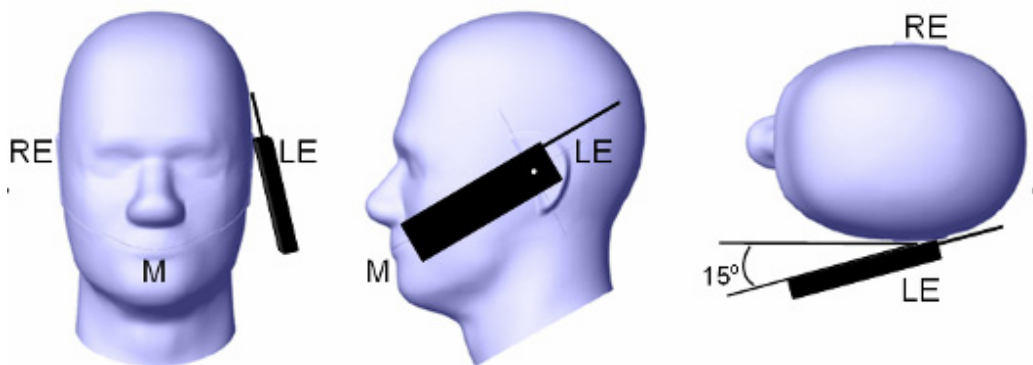
1) If the earpiece of the handset is not in full contact with the phantom’s ear spacer (in the “Cheek/Touch position”) and the peak SAR location for the “Cheek/Touch” position is located at the ear spacer region or corresponds to the earpiece region of the handset, the device should be returned to the “initial ear position” by rotating it away from the mouth until the earpiece is in full contact with the ear spacer.

2) (otherwise) The handset should be moved (translated) away from the cheek perpendicular to the line passes through both “ear reference points” (note: one of these ear reference points may not physically exist on a split head model) for approximate 2-3 cm. While it is in this position, the device handset is tilted away from the mouth with respect to the “test device reference point” until the inside angle between the vertical centerline on the front surface of the phone and the horizontal line passing through the ear reference point is by 15 80°. After the tilt, it is then moved (translated) back toward the head perpendicular to the line passes through both “ear reference points” until the device touches the phantom or the ear spacer. If the antenna touches the head first, the positioning process should be repeated with a tilt angle less than 15° so that the device and its antenna would touch the phantom simultaneously. This test position may require a device holder or positioner to achieve the translation and tilting with acceptable positioning repeatability.

If a device is also designed to transmit with its keypad cover closed for operating in the head position, such positions should also be considered in the SAR evaluation. The device should be tested on the left and

right side of the head phantom in the “Cheek/Touch” and “Ear/Tilt” positions. When applicable, each configuration should be tested with the antenna in its fully extended and fully retracted positions. These test configurations should be tested at the high, middle and low frequency channels of each operating mode; for example, AMPS, CDMA, and TDMA. If the SAR measured at the middle channel for each test configuration (left, right, Cheek/Touch, Tilt/Ear, extended and retracted) is at least 2.0 dB lower than the SAR limit, testing at the high and low channels is optional for such test configuration(s). If the transmission band of the test device is less than 10 MHz, testing at the high and low frequency channels is optional.

Ear /Tilt 15° Position



5.4 Test positions for body-worn and other configurations

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations. Devices with a headset output should be tested with a headset connected to the device. When multiple accessories that do not contain metallic components are supplied with the device, the device may be tested with only the accessory that dictates the closest spacing to the body. When multiple accessories that contain metallic components are supplied with the device, the device must be tested with each accessory that contains a unique metallic component. If multiple accessories share an identical metallic component (e.g., the same metallic belt-clip used with different holsters with no other metallic components), only the accessory that dictates the closest spacing to the body must be tested.

Body-worn accessories may not always be supplied or available as options for some devices that are intended to be authorized for body-worn use. A separation distance of 1.5 cm between the back of the device and a flat phantom is recommended for testing body-worn SAR compliance under such circumstances. Other separation distances may be used, but they should not exceed 2.5 cm. In these cases, the device may use body-worn accessories that provide a separation distance greater than that tested for the device provided however that the accessory contains no metallic components.

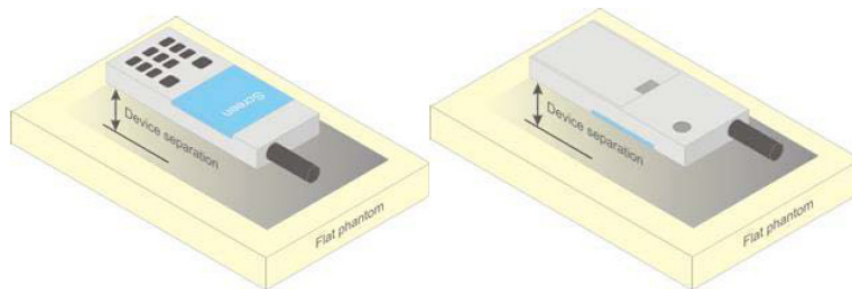


Figure 5 – Test positions for body-worn devices

5.5 Test Distance for SAR Evaluation

In this case the EUT(Equipment Under Test) is set 10mm away from the phantom, the test distance is 10mm.

5.6 SAR Evaluation Procedure

The evaluation was performed with the following procedure:

Step 1: Measurement of the SAR value at a fixed location above the ear point or central position was used as a reference value for assessing the power drop. The SAR at this point is measured at the start of the test and then again at the end of the testing.

Step 2: The SAR distribution at the exposed side of the head was measured at a distance of 4 mm from the inner surface of the shell. The area covered the entire dimension of the head or radiating structures of the EUT, the horizontal grid spacing was 15 mm x 15 mm, and the SAR distribution was determined by integrated grid of 1.5mm x 1.5mm. Based on these data, the area of the maximum absorption was determined by spline interpolation. The first Area Scan covers the entire dimension of the EUT to ensure that the hotspot was correctly identified.

Step 3: Around this point, a volume of 30 mm x 30 mm x 30 mm was assessed by measuring 7x 7 x 7 points. On the basis of this data set, the spatial peak SAR value was evaluated under the following procedure:

- 1) The data at the surface were extrapolated, since the center of the dipoles is 1.2 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.3 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.

- 2) The maximum Measured value was searched with a straightforward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed by the 3D-Spline interpolation algorithm. The 3D-Spline is composed of three one dimensional splines with the "Not a knot"-condition (in x, y and z-directions). The volume was integrated with the trapezoidal-algorithm. One thousand points (10 x 10 x 10) were Measured to calculate the averages.

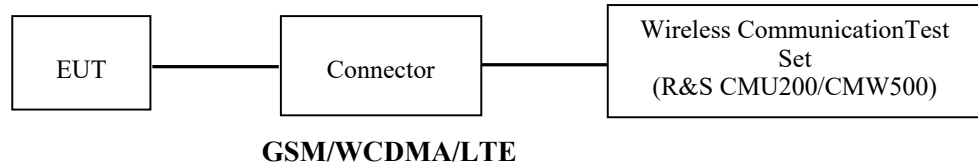
All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

Step 4: Re-measurement of the SAR value at the same location as in Step 1. If the value changed by more than 5%, the evaluation was repeated.

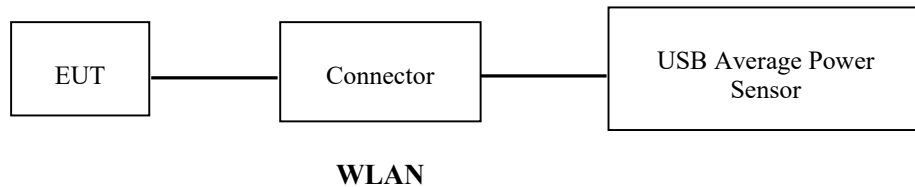
6. CONDUCTED OUTPUT POWER MEASUREMENT

6.1 Test Procedure

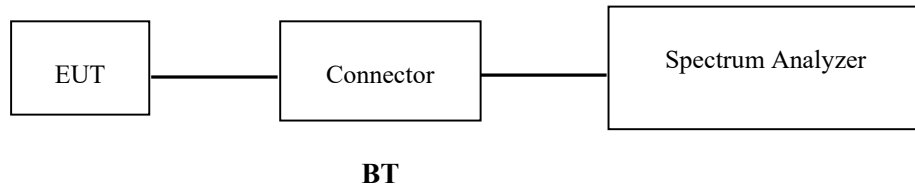
The RF output of the transmitter was connected to the input of the Wireless Communication Test Set through Connector.



The RF output of the transmitter was connected to the input port of the USB Average Power Sensor through Connector.



The RF output of the transmitter was connected to the input port of the Spectrum Analyzer through Connector.



6.2 Description of Test Configuration

EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in each operation mode.
Equipment Modifications:	No
EUT Exercise Software:	No
The maximum power was configured per 3GPP Standard for each operation modes as below setting:	
GSM/GPRS/EGPRS	
Function: Menu select > GSM Mobile Station > GSM 850/1900	
Press Connection control to choose the different menus	
Press RESET > choose all the reset all settings	
Connection Press Signal Off to turn off the signal and change settings	
Network Support > GSM + GPRS or GSM + EGPRS	
Main Service > Packet Data	
Service selection > Test Mode A – Auto Slot Config. off	
MS Signal Press Slot Config Bottom on the right twice to select and change the number of time slots and power setting	
> Slot configuration > Uplink/Gamma	
> 33 dBm for GPRS 850	
> 30 dBm for GPRS 1900	
> 27 dBm for EGPRS 850	
> 26 dBm for EGPRS 1900	
BS Signal Enter the same channel number for TCH channel (test channel) and BCCH channel	
Frequency Offset > + 0 Hz	
Mode > BCCH and TCH	
BCCH Level > -85 dBm (May need to adjust if link is not stable)	
BCCH Channel > choose desire test channel [Enter the same channel number for TCH channel (test channel) and BCCH channel]	
Channel Type > Off	
P0 > 4 dB	
Slot Config> Unchanged (if already set under MS signal)	
TCH > choose desired test channel	
Hopping > Off	
Main Timeslot > 3	
Network Coding Scheme > CS4 (GPRS) and MCS5 (EGPRS)	
Bit Stream > 2E9-1 PSR Bit Stream	
AF/RF Enter appropriate offsets for Ext. Att. Output and Ext. Att. Input	
Connection Press Sign	

WCDMA-Release 99

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification. The EUT has a nominal maximum output power of 24dBm (+1.7/-3.7).

WCDMA General Settings	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm2
	β / β_d	8/15

WCDMA HSDPA

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification.

	Mode Subset	HSDPA 1	HSDPA 2	HSDPA 3	HSDPA 4
WCDMA General Settings	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2kbps RMC			
	HSDPA FRC	H-Set1			
	Power Control Algorithm	Algorithm2			
	β_c	2/15	12/15	15/15	15/15
	β_d	1 /15	15/15	8/15	4/15
	β_d (SF)	64			
	β_c/β_d	2/15	12/15	15/8	15/4
	β_{hs}	4/15	24/15	30/15	30/15
	MPR(dB)	0	0	0.5	0.5
HSDPA Specific Settings	DACK	8			
	DNAK	8			
	DCQI	8			
	Ack-Nack repetition factor	3			
	CQI Feedback	4ms			
	CQI Repetition Factor	2			
	$A_{hs}=\beta_{hs}/\beta_c$	30/15			

WCDMA HSUPA

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification.

	Mode	HSUPA	HSUPA	HSUPA	HSUPA	HSUPA
	Subset	1	2		4	5
WCDMA General Settings	Loopback Mode	Test Mode 1				
	Rel99 RMC	12.2kbps RMC				
	HSDPA FRC	H-Set1				
	HSUPA Test	HSUPA Loopback				
	Power Control Algorithm	Algorithm2				
	β_c	11/15	6/15	15/15	2/15	15/15
	β_d	15/15	15/15	9/15	15/15	0
	β_{ec}	209/225	12/15	30 15	2/15	5/15
	β_c/β_d	11/15	6/15	15/9	2/15	-
	β_{hs}	22/15	12/15	30/15	4/15	5/15
	CM(dB)	1.0	3.0	2.0	3.0	1.0
	MPR(dB)	0	2	1	2	0
HSDPA Specific Settings	DACK	8				
	DNAK	8				
	DCQI	8				
	Ack-Nack repetition factor	3				
	CQI Feedback	4ms				
	CQI Repetition Factor	2				
	$A_{hs} = \beta_{hs} / \beta_c$	30/15				
HSUPA Specific Settings	DE-DPCCH	6	8	8	5	7
	DHARQ	0	0	0	0	0
	AG Index	20	12	15	17	21
	ETFCI	75	67	92	71	81
	Associated Max UL Data Rate k ps	242.1	174.9	482.8	205.8	308.9
	Reference E_FCI's	E-TFCI 11 E E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO23 E-TFCI 75 E-TFCI PO26 E-TFCI 81 E-TFCI PO 27	E-TFCI 11 E-TFCI PO4 E-TFCI 92 E-TFCI PO 18	E-TFCI 11 E E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO23 E-TFCI 75 E-TFCI PO26 E-TFCI 81 E-TFCI PO 27		

HSPA+

The following tests were conducted according to the test requirements in Table C.11.1.4 of 3GPP TS 34.121-1

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	β_{ed1} : 30/15 β_{ed2} : 30/15	β_{ed3} : 24/15 β_{ed4} : 24/15	3.5	2.5	14	105	105

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

Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).

Note 3: DPDCH is not configured, therefore the β_c is set to 1 and $\beta_d = 0$ by default.

Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

DC-HSDPA

The following tests were conducted according to the test requirements in Table C.8.1.12 of 3GPP TS 34.121-1

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Processes	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

LTE (FDD):

The following tests were conducted according to the test requirements in 3GPP TS36.101

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	See Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a
NS_07	6.6.2.2.3	13	10	Table 6.2.4-2	Table 6.2.4-2
	6.6.3.3.2				
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3
NS_11	6.6.2.2.1	23 ¹	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5
..					
NS_32	-	-	-	-	-

Note 1: Applies to the lower block of Band 23, i.e. a carrier placed in the 2000-2010 MHz region.

TDD-LTE

P TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.

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	$13168 \cdot T_s$			-	-	-

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

Calculated Duty Cycle

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-point Periodicity	Subframe Number										Calculated Duty Cycle (%)
		0	1	2	3	4	5	6	7	8	9	
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

We used configuration 0 for LTE Band 41 SAR test, that is 63.33%(1:1.58)for duty cycle.

6.3 Maximum Target Output Power

Max Target Power(dBm)			
Mode/Band	Channel		
	Low	Middle	High
GSM 850	34.0	34.0	34.0
GPRS 1 TX Slot	34.0	34.0	34.0
GPRS 2 TX Slot	31.3	31.3	31.3
GPRS 3 TX Slot	29.3	29.3	29.3
GPRS 4 TX Slot	27.9	27.9	27.9
EDGE 1 Slot	28.2	28.2	28.2
EDGE 2 Slots	27.9	27.9	27.9
EDGE 3 Slots	27.3	27.3	27.3
EDGE 4 Slots	26.9	26.9	26.9
PCS 1900	29.4	29.4	29.4
GPRS 1 TX Slot	29.4	29.4	29.4
GPRS 2 TX Slot	27.9	27.9	27.9
GPRS 3 TX Slot	26.9	26.9	26.9
GPRS 4 TX Slot	24.9	24.9	24.9
EDGE 1 Slot	28.3	28.3	28.3
EDGE 2 Slots	27.4	27.4	27.4
EDGE 3 Slots	26.3	26.3	26.3
EDGE 4 Slots	24.9	24.9	24.9
WCDMA Band 2	23.3	23.3	23.3
HSDPA	22.5	22.5	22.5
HSUPA	22.4	22.4	22.4
WCDMA Band 4	23.2	23.2	23.2
HSDPA	22.6	22.6	22.6
HSUPA	22.4	22.4	22.4
WCDMA Band 5	24.9	24.9	24.9
HSDPA	23.4	23.4	23.4
HSUPA	23.4	23.4	23.4
LTE Band 2	22.5	22.5	22.5
LTE Band 4	22.7	22.6	22.5
LTE Band 5	24.1	24.2	24.0

Max Target Power(dBm)			
Mode/Band	Channel		
	Low	Middle	High
LTE Band 7	22.3	22.4	22.6
LTE Band 12	24.2	24.2	24.2
LTE Band 13	24.0	24.0	24.0
LTE Band 17	24.2	24.2	24.2
LTE Band 26	24.2	24.3	24.3
LTE Band 38	23.1	23.3	23.4
LTE Band 40 Lower	22.4	22.4	22.3
LTE Band 40 Upper	22.4	22.4	22.3
LTE Band 41	23.1	23.3	23.4
LTE Band 66	22.7	22.6	22.5
5G NR n2	23.1	23.1	23.1
5G NR n5	24.3	24.3	24.3
5G NR n7	22.1	22.1	22.1
5G NR n26	25.1	25.1	25.1
5G NR n38	23.4	23.4	23.4
5G NR n41	22.7	22.7	22.7
5G NR n66	23.0	23.0	23.0
CH 0 WLAN 2.4G(802.11b)	14.4	15.3	13.8
CH 0 WLAN 2.4G(802.11g)	14.9	16.4	15.7
CH 0 WLAN 2.4G(802.11n20)	15.8	16.4	15.5
CH 0 WLAN 2.4G(802.11n40)	12.8	13.2	12.2
CH 0 WLAN 5.2G(802.11a)	12.4	12.2	12.3
CH 0 WLAN 5.2G(802.11ac20)	13.2	13.1	13.2
CH 0 WLAN 5.2G(802.11ac40)	13.8	/	13.8
CH 0 WLAN 5.2G(802.11ac80)	/	13.2	/
CH 0 WLAN 5.3G(802.11a)	12.6	12.6	12.7
CH 0 WLAN 5.3G(802.11ac20)	13.8	12.8	12.7
CH 0 WLAN 5.3G(802.11ac40)	14.3	/	14.3
CH 0 WLAN 5.3G(802.11ac80)	/	14.1	/
CH 0 WLAN 5.6G(802.11a)	10.8	11.1	9.5
CH 0 WLAN 5.6G(802.11ac20)	12.6	12.6	11.8
CH 0 WLAN 5.6G(802.11ac40)	13.1	13.3	12.5
CH 0 WLAN 5.6G(802.11ac80)	12.8	/	12.8
CH 0 WLAN 5.8G(802.11a)	9.2	9.5	10.5
CH 0 WLAN 5.8G(802.11ac20)	11.8	12.0	12.4
CH 0 WLAN 5.8G(802.11ac40)	12.4	/	12.6
CH 0 WLAN 5.8G(802.11ac80)	/	12.2	/

Max Target Power(dBm)			
Mode/Band	Channel		
	Low	Middle	High
CH 1 WLAN 2.4G(802.11b)	14.4	15.3	13.8
CH 1 WLAN 2.4G(802.11g)	16.2	16.7	15.9
CH 1 WLAN 2.4G(802.11n20)	15.9	16.6	15.8
CH 1 WLAN 2.4G(802.11n40)	14.5	12.8	11.8
CH 1 WLAN 5.2G(802.11a)	12.4	12.2	12.3
CH 1 WLAN 5.2G(802.11ac20)	12.4	12.4	12.4
CH 1 WLAN 5.2G(802.11ac40)	13.1	/	13.1
CH 1 WLAN 5.2G(802.11ac80)	/	12.9	/
CH 1 WLAN 5.3G(802.11a)	12.7	12.7	12.8
CH 1 WLAN 5.3G(802.11ac20)	13.7	13.7	13.7
CH 1 WLAN 5.3G(802.11ac40)	13.7	/	13.7
CH 1 WLAN 5.3G(802.11ac80)	/	13.2	/
CH 1 WLAN 5.6G(802.11a)	11.0	11.2	9.7
CH 1 WLAN 5.6G(802.11ac20)	12.5	12.5	11.8
CH 1 WLAN 5.6G(802.11ac40)	14.5	14.5	13.6
CH 1 WLAN 5.6G(802.11ac80)	14.1	/	13.6
CH 1 WLAN 5.8G(802.11a)	10.7	9.7	11.0
CH 1 WLAN 5.8G(802.11ac20)	11.7	12.0	12.3
CH 1 WLAN 5.8G(802.11ac40)	14.5	/	12.6
CH 1 WLAN 5.8G(802.11ac80)	/	14.3	/
Bluetooth BDR/EDR	10.0	12.0	11.0
BLE	4.7	6.3	5.6

6.4 Test Results:**GSM:**

Band	Channel No.	Frequency (MHz)	RF Output Power (dBm)
GSM 850	128	824.2	33.73
	190	836.6	33.62
	251	848.8	33.48
PCS 1900	512	1850.2	29.11
	661	1880	29.10
	810	1909.8	29.08

GPRS:

Band	Channel No.	Frequency (MHz)	RF Output Power (dBm)			
			1 slot	2 slots	3 slots	4 slots
GSM 850	128	824.2	33.74	31.10	29.07	27.65
	190	836.6	33.80	31.08	29.18	27.60
	251	848.8	33.63	31.11	29.02	27.76
PCS 1900	512	1850.2	29.22	27.70	26.77	24.70
	661	1880	29.01	27.70	26.55	24.57
	810	1909.8	29.02	27.61	26.53	24.73

EDGE:

Band	Channel No.	Frequency (MHz)	RF Output Power (dBm)			
			1 slot	2 slots	3 slots	4 slots
GSM 850	128	824.2	28.04	27.67	27.09	26.70
	190	836.6	28.08	27.63	27.05	26.72
	251	848.8	28.01	27.68	27.09	26.65
PCS 1900	512	1850.2	28.07	27.19	26.01	24.72
	661	1880	28.09	27.20	26.10	24.64
	810	1909.8	28.02	27.11	26.04	24.70

For SAR, the time based average power is relevant, the difference in between depends on the duty cycle of the TDMA signal.

Number of Time slot	1	2	3	4
Duty Cycle	1:8	1:4	1:2.66	1:2
Time based Ave. power compared to slotted Ave. power	-9 dB	-6 dB	-4.25 dB	-3 dB
Crest Factor	8	4	2.66	2

The time based average power for GPRS

Band	Channel No.	Frequency (MHz)	Time based average Power (dBm)			
			1 slot	2 slot	3 slots	4 slots
GSM 850	128	824.2	24.74	25.10	24.82	24.65
	190	836.6	24.80	25.08	24.93	24.60
	251	848.8	24.63	25.11	24.77	24.76
PCS 1900	512	1850.2	20.22	21.70	22.52	21.70
	661	1880	20.01	21.70	22.30	21.57
	810	1909.8	20.02	21.61	22.28	21.73

The time based average power for EDGE

Band	Channel No.	Frequency (MHz)	Time based average Power (dBm)			
			1 slot	2 slot	3 slots	4 slots
GSM 850	128	824.2	19.04	21.67	22.84	23.70
	190	836.6	19.08	21.63	22.80	23.72
	251	848.8	19.01	21.68	22.84	23.65
PCS 1900	512	1850.2	19.07	21.19	21.76	21.72
	661	1880	19.09	21.20	21.85	21.64
	810	1909.8	19.02	21.11	21.79	21.70

Note:

1. Rohde & Schwarz Radio Communication Tester (CMU200) was used for the measurement of GSM peak and average output power for active timeslots.
2. For GSM voice, 1 timeslot has been activated with power level 5 (850 MHz band) and 0 (1900 MHz band).
3. For GPRS, 1, 2, 3 and 4 timeslots has been activated separately with power level 3(850 MHz band) and 3(1900 MHz band).

WCDMA:
Results (12.2kbps RMC)

Band	Frequency (MHz)	RF Output Power (dBm)
WCDMA Band 2	1852.4	23.19
	1880	23.12
	1907.6	23.24
WCDMA Band 4	1712.4	23.00
	1732.6	22.81
	1752.6	22.89
WCDMA Band 5	826.4	24.73
	836.6	24.64
	846.6	24.74

Results (HSDPA)

Band	Frequency (MHz)	RF Output Power (dBm)			
		Subset 1	Subset 2	Subset 3	Subset 4
WCDMA Band 2	1852.4	22.14	22.05	22.28	22.29
	1880	22.10	22.25	22.02	22.10
	1907.6	22.10	22.09	22.03	22.14
WCDMA Band 4	1712.4	22.26	22.02	22.22	22.28
	1732.6	22.41	22.11	22.15	22.21
	1752.6	22.44	22.00	22.09	22.12
WCDMA Band 5	826.4	23.06	23.02	23.17	23.16
	836.6	23.14	23.13	23.14	23.15
	846.6	23.14	23.22	23.18	23.21

Results (HSUPA)

Band	Frequency (MHz)	RF Output Power (dBm)				
		Subset 1	Subset 2	Subset 3	Subset 4	Subset 5
WCDMA Band 2	1852.4	22.25	22.25	22.19	22.18	22.10
	1880	22.28	22.02	22.08	22.25	22.01
	1907.6	22.15	22.31	22.14	22.26	22.03
WCDMA Band 4	1712.4	22.33	22.24	22.19	22.25	22.22
	1732.6	22.01	22.03	22.20	22.12	22.11
	1752.6	22.22	22.21	22.11	22.11	22.10
WCDMA Band 5	826.4	22.99	23.23	23.15	23.21	23.09
	836.6	23.06	23.23	23.13	23.25	23.19
	846.6	23.04	22.99	23.07	23.09	23.24

Note:

1. The default test configuration is to measure SAR with an established radio link between the EUT and a communication test set using a 12.2 kbps RMC (reference measurement Channel) Configured in Test Loop Model 1.
2. KDB 941225 D01-Body SAR is not required for HSDPA/HSUPA/HSPA+ when the maximum average output of each RF channel is less than ¼ dB higher than measured 12.2kbps RMC or the maximum SAR for 12.2kbps RMC is < 75% of SAR limit.

LTE Band 2:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	RB1#0	0	0	21.11	21.00	20.87
		RB1#3	0	0	21.15	21.13	20.74
		RB1#5	0	0	21.07	21.07	20.78
		RB3#0	1	1	21.15	21.04	20.98
		RB3#3	1	1	21.07	21.08	20.88
		RB6#0	1	1	20.20	20.16	19.94
	16-QAM	RB1#0	1	1	20.26	20.18	20.14
		RB1#3	1	1	20.52	20.23	20.16
		RB1#5	2	2	20.33	20.09	20.01
		RB3#0	2	2	20.30	20.26	20.01
		RB3#3	2	2	20.28	20.27	19.98
		RB6#0	2	2	19.28	19.11	19.07
3M	QPSK	RB1#0	0	0	21.21	21.21	21.08
		RB1#8	0	0	21.14	21.08	20.96
		RB1#14	0	0	21.12	21.01	20.78
		RB6#0	1	1	20.37	20.19	20.09
		RB6#9	1	1	20.21	20.10	20.01
		RB15#0	1	1	20.29	20.14	20.00
	16-QAM	RB1#0	1	1	20.34	20.26	20.60
		RB1#8	1	1	20.27	20.30	20.61
		RB1#14	1	1	20.20	20.22	20.47
		RB6#0	2	2	19.34	19.27	19.22
		RB6#9	2	2	19.22	19.25	19.10
		RB15#0	2	2	19.38	19.13	19.12
5M	QPSK	RB1#0	0	0	21.23	21.04	21.05
		RB1#13	0	0	21.17	21.11	21.07
		RB1#24	0	0	21.15	21.07	21.00
		RB15#0	1	1	20.33	20.18	20.10
		RB15#10	1	1	20.21	20.17	19.97
		RB25#0	1	1	20.26	20.12	20.14
	16-QAM	RB1#0	1	1	20.33	20.09	20.20
		RB1#13	1	1	20.40	20.08	20.10
		RB1#24	1	1	20.32	20.12	20.07
		RB15#0	2	2	19.40	19.21	21.36
		RB15#10	2	2	19.36	19.24	20.35
		RB25#0	2	2	20.12	19.26	20.46

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
10M	QPSK	RB1#0	0	0	22.45	22.28	22.33
		RB1#25	0	0	22.30	22.43	22.27
		RB1#49	1	1	22.26	22.28	22.26
		RB25#0	1	1	21.61	21.37	21.31
		RB25#25	1	1	21.51	21.40	21.33
		RB50#0	1	1	21.48	21.32	21.43
	16-QAM	RB1#0	1	1	21.75	21.47	21.44
		RB1#25	1	1	21.55	21.42	21.40
		RB1#49	1	1	21.35	21.36	21.41
		RB25#0	2	2	20.66	20.59	20.51
		RB25#25	2	2	20.62	20.61	20.57
		RB50#0	2	2	20.52	20.45	20.38
15M	QPSK	RB1#0	0	0	22.37	22.22	22.25
		RB1#38	0	0	22.25	22.16	22.11
		RB1#74	1	1	22.24	22.20	22.18
		RB36#0	1	1	21.40	21.30	21.20
		RB36#39	1	1	21.32	21.32	21.34
		RB75#0	1	1	21.36	21.31	21.36
	16-QAM	RB1#0	1	1	22.02	21.47	21.67
		RB1#38	1	1	21.93	21.49	21.66
		RB1#74	2	2	21.89	21.48	21.64
		RB36#0	2	2	20.48	20.35	20.29
		RB36#39	2	2	20.38	20.42	20.35
		RB75#0	2	2	20.54	20.27	20.31
20M	QPSK	RB1#0	0	0	22.37	22.18	22.18
		RB1#50	0	0	22.17	22.46	22.05
		RB1#99	0	0	22.26	22.24	22.11
		RB50#0	1	1	21.58	21.49	21.58
		RB50#50	1	1	21.76	21.96	21.68
		RB100#0	1	1	21.61	21.78	21.56
	16-QAM	RB1#0	1	1	21.61	21.58	21.81
		RB1#50	1	1	21.50	21.52	21.83
		RB1#99	2	2	21.42	21.55	21.85
		RB50#0	2	2	20.54	20.28	20.31
		RB50#50	2	2	20.40	20.32	20.35
		RB100#0	2	2	20.47	20.36	20.29

LTE Band 4:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	RB1#0	0	0	22.64	22.30	22.18
		RB1#3	0	0	22.61	22.26	22.27
		RB1#5	0	0	22.54	22.29	22.25
		RB3#0	1	1	22.63	22.34	22.23
		RB3#3	1	1	22.57	22.25	22.14
		RB6#0	1	1	21.65	21.33	21.24
	16-QAM	RB1#0	1	1	21.84	21.31	21.27
		RB1#3	1	1	21.93	21.51	21.25
		RB1#5	2	2	21.83	21.36	21.28
		RB3#0	2	2	21.72	21.32	21.51
		RB3#3	2	2	21.78	21.28	21.46
		RB6#0	2	2	20.31	20.65	20.27
3M	QPSK	RB1#0	0	0	22.45	22.39	22.29
		RB1#8	0	0	22.44	22.42	22.29
		RB1#14	0	0	22.36	22.37	22.27
		RB6#0	1	1	21.49	21.45	21.26
		RB6#9	1	1	21.51	21.35	21.31
		RB15#0	1	1	21.44	21.36	21.24
	16-QAM	RB1#0	1	1	21.52	21.56	21.35
		RB1#8	1	1	21.53	21.56	21.39
		RB1#14	1	1	21.42	21.47	21.34
		RB6#0	2	2	20.55	20.49	20.35
		RB6#9	2	2	20.52	20.44	20.48
		RB15#0	2	2	20.48	20.46	20.13
5M	QPSK	RB1#0	0	0	22.46	22.40	22.32
		RB1#13	0	0	22.55	22.36	22.36
		RB1#24	0	0	22.48	22.35	22.30
		RB15#0	1	1	21.48	21.40	21.34
		RB15#10	1	1	21.47	21.32	21.25
		RB25#0	1	1	21.48	21.41	21.35
	16-QAM	RB1#0	1	1	21.99	21.56	21.52
		RB1#13	1	1	22.06	21.63	21.59
		RB1#24	1	1	21.98	21.54	21.59
		RB15#0	2	2	20.64	20.38	20.46
		RB15#10	2	2	20.66	20.35	20.38
		RB25#0	2	2	20.51	20.38	20.42

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
10M	QPSK	RB1#0	0	0	22.45	22.26	22.26
		RB1#25	0	0	22.37	22.34	22.31
		RB1#49	1	1	22.32	22.37	22.25
		RB25#0	1	1	21.35	21.36	21.32
		RB25#25	1	1	21.40	21.44	21.36
		RB50#0	1	1	21.44	21.47	21.31
	16-QAM	RB1#0	1	1	21.37	21.51	21.31
		RB1#25	1	1	21.41	21.55	21.39
		RB1#49	1	1	21.42	21.54	21.48
		RB25#0	2	2	20.47	20.36	20.23
		RB25#25	2	2	20.50	20.41	20.24
		RB50#0	2	2	20.45	20.41	20.24
15M	QPSK	RB1#0	0	0	22.29	22.02	22.09
		RB1#38	0	0	22.24	22.15	22.10
		RB1#74	1	1	22.17	22.16	22.11
		RB36#0	1	1	21.32	21.11	21.13
		RB36#39	1	1	21.27	21.23	21.20
		RB75#0	1	1	21.34	21.34	21.20
	16-QAM	RB1#0	1	1	21.58	21.61	21.41
		RB1#38	1	1	21.42	21.64	21.37
		RB1#74	2	2	21.36	21.63	21.35
		RB36#0	2	2	20.37	20.11	20.21
		RB36#39	2	2	20.33	20.29	20.33
		RB75#0	2	2	20.38	20.20	20.25
20M	QPSK	RB1#0	0	0	22.26	22.17	22.15
		RB1#50	0	0	22.14	22.22	22.07
		RB1#99	0	0	22.10	22.26	22.12
		RB50#0	1	1	21.21	21.23	21.23
		RB50#50	1	1	21.20	21.27	21.25
		RB100#0	1	1	21.36	21.30	21.19
	16-QAM	RB1#0	1	1	21.49	21.45	21.62
		RB1#50	1	1	21.43	21.39	21.66
		RB1#99	2	2	21.34	21.55	21.66
		RB50#0	2	2	20.31	20.15	20.30
		RB50#50	2	2	20.21	20.26	20.33
		RB100#0	2	2	20.33	20.35	20.16

LTE Band 5:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	RB1#0	0	0	23.79	23.73	23.67
		RB1#3	0	0	23.82	24.06	23.75
		RB1#5	0	0	23.83	23.82	23.64
		RB3#0	1	1	23.77	23.76	23.76
		RB3#3	1	1	23.88	23.73	23.63
		RB6#0	1	1	22.88	22.85	22.69
	16-QAM	RB1#0	1	1	22.95	22.84	22.81
		RB1#3	1	1	22.94	23.17	23.00
		RB1#5	2	2	22.97	22.81	23.01
		RB3#0	2	2	22.96	22.93	22.69
		RB3#3	2	2	22.98	23.06	22.67
		RB6#0	2	2	21.96	21.88	21.82
3M	QPSK	RB1#0	0	0	23.96	23.91	23.83
		RB1#8	0	0	23.92	23.89	23.76
		RB1#14	0	0	23.93	23.85	23.71
		RB6#0	1	1	22.86	22.88	22.79
		RB6#9	1	1	22.90	22.92	22.85
		RB15#0	1	1	22.99	22.88	22.66
	16-QAM	RB1#0	1	1	23.07	22.93	23.45
		RB1#8	1	1	23.14	22.91	23.56
		RB1#14	1	1	23.02	22.98	23.41
		RB6#0	2	2	21.90	21.77	21.85
		RB6#9	2	2	21.99	21.92	21.95
		RB15#0	2	2	21.84	22.00	21.82
5M	QPSK	RB1#0	0	0	23.95	23.90	23.78
		RB1#13	0	0	23.94	23.93	23.90
		RB1#24	0	0	24.03	23.87	23.83
		RB15#0	1	1	22.97	22.94	22.77
		RB15#10	1	1	22.94	22.97	22.88
		RB25#0	1	1	22.93	22.90	22.86
	16-QAM	RB1#0	1	1	23.12	22.87	23.12
		RB1#13	1	1	23.10	23.01	23.19
		RB1#24	1	1	23.20	22.91	23.12
		RB15#0	2	2	22.03	21.95	21.83
		RB15#10	2	2	22.00	22.03	21.86
		RB25#0	2	2	22.02	22.02	21.83

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
10M	QPSK	RB1#0	0	0	23.87	23.86	23.88
		RB1#25	0	0	23.84	23.90	23.78
		RB1#49	1	1	23.89	23.82	23.72
		RB25#0	1	1	22.92	22.94	22.85
		RB25#25	1	1	22.93	22.96	22.89
		RB50#0	1	1	22.99	22.95	22.90
	16-QAM	RB1#0	1	1	22.89	23.66	23.11
		RB1#25	1	1	22.95	23.56	22.97
		RB1#49	1	1	22.89	23.51	22.98
		RB25#0	2	2	22.00	21.93	21.95
		RB25#25	2	2	22.08	22.01	21.91
		RB50#0	2	2	22.03	21.84	21.92

LTE Band 7:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	RB1#0	0	0	22.01	22.12	22.31
		RB1#13	0	0	22.14	22.23	22.47
		RB1#24	0	0	22.07	22.21	22.46
		RB15#0	1	1	21.11	21.19	21.39
		RB15#10	1	1	21.22	21.28	21.47
		RB25#0	1	1	21.13	21.26	21.44
	16-QAM	RB1#0	1	1	21.34	21.43	21.57
		RB1#13	1	1	21.41	21.62	21.70
		RB1#24	1	1	21.39	21.57	21.66
		RB15#0	2	2	20.11	20.13	20.38
		RB15#10	2	2	20.25	20.29	20.45
		RB25#0	2	2	20.15	20.28	20.53
10M	QPSK	RB1#0	0	0	22.12	22.07	22.32
		RB1#25	0	0	22.06	22.16	22.37
		RB1#49	0	0	22.13	22.21	22.47
		RB25#0	1	1	21.11	21.20	21.38
		RB25#25	1	1	21.14	21.24	21.50
		RB50#0	1	1	21.18	21.24	21.41
	16-QAM	RB1#0	1	1	21.16	21.45	21.75
		RB1#25	1	1	21.30	21.57	21.77
		RB1#49	1	1	21.31	21.49	21.87
		RB25#0	2	2	20.21	20.23	20.44
		RB25#25	2	2	20.27	20.33	20.59
		RB50#0	2	2	20.15	20.25	20.48
15M	QPSK	RB1#0	0	0	21.86	21.92	22.07
		RB1#38	0	0	21.95	21.89	22.16
		RB1#74	0	0	22.01	22.00	22.18
		RB36#0	1	1	20.92	21.07	21.24
		RB36#39	1	1	21.08	21.11	21.32
		RB75#0	1	1	21.06	21.13	21.25
	16-QAM	RB1#0	1	1	21.10	21.48	21.44
		RB1#38	1	1	21.23	21.52	21.61
		RB1#74	1	1	21.24	21.60	21.62
		RB36#0	2	2	19.90	19.99	20.28
		RB36#39	2	2	20.02	20.12	20.40
		RB75#0	2	2	20.04	20.10	20.31

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
20M	QPSK	RB1#0	0	0	21.82	21.87	22.11
		RB1#50	0	0	21.86	22.05	22.21
		RB1#99	0	0	22.12	22.21	22.49
		RB50#0	1	1	20.98	21.03	21.23
		RB50#50	1	1	21.50	21.61	21.80
		RB100#0	1	1	21.05	21.22	21.29
	16-QAM	RB1#0	1	1	21.12	21.38	21.42
		RB1#50	1	1	21.14	21.43	21.43
		RB1#99	1	1	21.24	21.53	21.49
		RB50#0	2	2	19.98	20.08	20.25
		RB50#50	2	2	20.02	20.19	20.35
		RB100#0	2	2	20.08	20.10	20.28

LTE Band 12:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	RB1#0	0	0	23.78	23.79	23.72
		RB1#3	0	0	23.84	23.85	23.76
		RB1#5	0	0	23.76	23.78	23.60
		RB3#0	1	1	23.82	23.74	23.70
		RB3#3	1	1	23.85	23.82	23.65
		RB6#0	1	1	22.84	22.75	22.75
	16-QAM	RB1#0	1	1	23.10	22.99	22.87
		RB1#3	1	1	23.13	22.99	22.94
		RB1#5	2	2	22.97	23.04	22.72
		RB3#0	2	2	22.88	22.90	22.93
		RB3#3	2	2	22.82	22.93	22.98
		RB6#0	2	2	21.85	21.81	21.86
3M	QPSK	RB1#0	0	0	23.86	23.96	23.85
		RB1#8	0	0	23.89	23.85	23.89
		RB1#14	0	0	23.84	23.91	23.80
		RB6#0	1	1	22.92	22.85	22.73
		RB6#9	1	1	22.94	22.93	22.87
		RB15#0	1	1	22.98	22.96	22.79
	16-QAM	RB1#0	1	1	23.48	23.12	22.96
		RB1#8	1	1	23.67	23.05	22.87
		RB1#14	1	1	23.61	22.98	22.96
		RB6#0	2	2	22.07	21.91	21.88
		RB6#9	2	2	22.02	21.92	21.87
		RB15#0	2	2	22.02	21.87	21.82
5M	QPSK	RB1#0	0	0	23.90	23.89	23.90
		RB1#13	0	0	23.96	23.87	23.85
		RB1#24	0	0	23.98	23.77	23.70
		RB15#0	1	1	22.94	22.88	22.90
		RB15#10	1	1	22.94	22.95	22.86
		RB25#0	1	1	22.91	22.99	22.83
	16-QAM	RB1#0	1	1	22.98	22.80	23.20
		RB1#13	1	1	23.20	22.85	23.25
		RB1#24	1	1	23.03	22.73	23.13
		RB15#0	2	2	21.95	21.98	21.78
		RB15#10	2	2	21.99	21.91	21.88
		RB25#0	2	2	21.98	22.07	21.76

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
10M	QPSK	RB1#0	0	0	23.94	23.98	23.94
		RB1#25	0	0	23.98	23.81	23.90
		RB1#49	1	1	23.90	23.87	23.75
		RB25#0	1	1	23.42	23.37	23.34
		RB25#25	1	1	23.46	23.43	23.47
		RB50#0	1	1	23.52	23.49	23.38
	16-QAM	RB1#0	1	1	23.63	23.19	23.07
		RB1#25	1	1	23.61	23.09	22.96
		RB1#49	1	1	23.53	23.11	22.91
		RB25#0	2	2	22.01	21.97	21.95
		RB25#25	2	2	21.98	21.97	21.97
		RB50#0	2	2	21.91	21.95	21.88

LTE Band 13:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	RB1#0	0	0	23.80	/	23.85
		RB1#13	0	0	23.93	/	23.81
		RB1#24	0	0	23.84	/	23.81
		RB15#0	1	1	22.78	/	22.92
		RB15#10	1	1	22.86	/	22.89
		RB25#0	1	1	22.87	/	22.84
	16-QAM	RB1#0	1	1	23.13	/	22.95
		RB1#13	1	1	23.17	/	22.94
		RB1#24	1	1	23.19	/	22.96
		RB15#0	2	2	21.76	/	21.92
		RB15#10	2	2	21.89	/	22.02
		RB25#0	2	2	21.86	/	21.94
10M	QPSK	RB1#0	0	0	/	23.80	/
		RB1#25	0	0	/	23.84	/
		RB1#49	0	0	/	23.79	/
		RB25#0	1	1	/	22.84	/
		RB25#25	1	1	/	23.17	/
		RB50#0	1	1	/	22.91	/
	16-QAM	RB1#0	1	1	/	22.71	/
		RB1#25	1	1	/	22.82	/
		RB1#49	1	1	/	22.80	/
		RB25#0	2	2	/	21.91	/
		RB25#25	2	2	/	21.92	/
		RB50#0	2	2	/	22.02	/

LTE Band 17:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	RB1#0	0	0	24.03	24.02	24.06
		RB1#13	0	0	23.92	24.02	24.02
		RB1#24	0	0	23.90	23.94	23.80
		RB15#0	1	1	23.03	23.12	23.02
		RB15#10	1	1	22.96	22.99	22.99
		RB25#0	1	1	23.07	23.01	23.03
	16-QAM	RB1#0	1	1	23.32	23.11	23.04
		RB1#13	1	1	23.32	23.11	23.11
		RB1#24	1	1	23.15	23.04	22.78
		RB15#0	2	2	21.99	22.06	22.05
		RB15#10	2	2	22.01	22.01	22.02
		RB25#0	2	2	22.04	22.09	22.13
10M	QPSK	RB1#0	0	0	23.93	23.98	23.94
		RB1#25	0	0	23.88	23.96	23.92
		RB1#49	0	0	23.92	23.88	23.86
		RB25#0	1	1	23.07	22.99	23.06
		RB25#25	1	1	22.99	22.99	22.99
		RB50#0	1	1	22.99	23.04	22.99
	16-QAM	RB1#0	1	1	23.20	23.27	23.76
		RB1#25	1	1	23.06	23.01	23.78
		RB1#49	1	1	23.14	22.89	23.68
		RB25#0	2	2	22.08	22.14	22.17
		RB25#25	2	2	22.04	22.14	22.06
		RB50#0	2	2	22.05	22.05	21.99

LTE Band 26:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel For 90S (dBm)	Middle Channel For 22H (dBm)	High Channel For 22H (dBm)
1.4M	QPSK	RB1#0	0	0	23.96	23.78	23.98
		RB1#3	0	0	23.88	23.83	24.00
		RB1#5	0	0	23.88	23.74	23.92
		RB3#0	1	1	23.84	23.64	22.92
		RB3#3	1	1	23.86	23.81	22.99
		RB6#0	1	1	22.89	22.74	22.98
	16-QAM	RB1#0	1	1	23.16	22.80	23.08
		RB1#3	1	1	23.19	22.80	23.08
		RB1#5	1	1	23.19	22.94	22.90
		RB3#0	2	2	23.10	22.85	22.01
		RB3#3	2	2	23.07	22.86	22.08
		RB6#0	2	2	22.00	21.82	21.98
3M	QPSK	RB1#0	0	0	24.06	23.81	23.81
		RB1#8	0	0	24.11	23.83	23.75
		RB1#14	0	0	23.94	23.69	23.76
		RB6#0	1	1	23.02	22.89	22.79
		RB6#9	1	1	23.00	22.83	22.94
		RB15#0	1	1	23.04	22.88	22.78
	16-QAM	RB1#0	1	1	23.11	23.47	23.24
		RB1#8	1	1	23.26	23.59	23.35
		RB1#14	1	1	23.21	23.37	23.28
		RB6#0	2	2	22.11	21.99	21.82
		RB6#9	2	2	22.12	21.93	21.87
		RB15#0	2	2	21.92	21.97	21.80
5M	QPSK	RB1#0	0	0	24.03	23.86	24.05
		RB1#13	0	0	24.02	23.84	23.92
		RB1#24	0	0	23.92	23.77	24.02
		RB15#0	1	1	23.06	22.91	23.00
		RB15#10	1	1	22.97	22.90	22.99
		RB25#0	1	1	23.00	22.97	23.15
	16-QAM	RB1#0	1	1	23.27	22.84	22.84
		RB1#13	1	1	23.24	22.92	23.08
		RB1#24	1	1	23.27	22.76	22.88
		RB15#0	2	2	22.02	21.96	22.23
		RB15#10	2	2	22.02	21.91	21.97
		RB25#0	2	2	21.97	22.01	22.16

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
10M	QPSK	RB1#0	0	0	23.74	23.78	23.62
		RB1#50	0	0	23.74	23.62	23.78
		RB1#99	0	0	23.63	23.77	23.79
		RB50#0	1	1	22.91	22.97	23.14
		RB50#50	1	1	23.21	23.24	23.15
		RB100#0	1	1	22.90	23.26	23.25
	16-QAM	RB1#0	1	1	23.27	23.21	23.17
		RB1#50	1	1	23.43	23.28	23.39
		RB1#99	1	1	23.16	23.25	23.12
		RB50#0	2	2	22.16	22.06	22.11
		RB50#50	2	2	22.04	22.22	22.10
		RB100#0	2	2	22.08	22.20	22.04
15M	QPSK	RB1#0	0	0	23.74	23.60	23.74
		RB1#38	0	0	23.65	23.71	23.87
		RB1#74	0	0	23.78	23.97	23.87
		RB36#0	1	1	23.13	22.90	23.07
		RB36#39	1	1	22.99	23.28	23.08
		RB75#0	1	1	23.12	23.04	23.00
	16-QAM	RB1#0	1	1	23.22	23.19	23.31
		RB1#38	1	1	23.38	23.44	23.42
		RB1#74	1	1	23.21	23.36	23.37
		RB36#0	2	2	21.93	22.18	22.25
		RB36#39	2	2	22.32	22.31	22.26
		RB75#0	2	2	22.25	22.18	22.10

LTE Band 38:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	RB1#0	0	0	22.90	22.96	23.11
		RB1#13	0	0	22.97	22.98	23.04
		RB1#24	0	0	22.99	23.06	23.05
		RB15#0	1	1	21.96	22.09	22.13
		RB15#10	1	1	22.07	22.20	22.10
		RB25#0	1	1	22.07	22.10	22.25
	16-QAM	RB1#0	1	1	22.20	22.54	22.00
		RB1#13	1	1	22.14	22.43	21.97
		RB1#24	1	1	22.21	22.60	22.15
		RB15#0	2	2	20.92	21.14	21.14
		RB15#10	2	2	21.04	21.19	21.21
		RB25#0	2	2	21.04	21.13	21.21
10M	QPSK	RB1#0	0	0	22.88	22.89	22.93
		RB1#25	0	0	22.92	22.99	22.92
		RB1#49	0	0	22.96	22.98	23.00
		RB25#0	1	1	21.82	21.95	22.00
		RB25#25	1	1	21.92	22.07	22.08
		RB50#0	1	1	21.90	21.96	22.01
	16-QAM	RB1#0	1	1	22.22	22.36	21.98
		RB1#25	1	1	22.24	22.36	21.99
		RB1#49	1	1	22.33	22.43	22.05
		RB25#0	2	2	20.87	20.95	20.92
		RB25#25	2	2	21.01	20.98	21.00
		RB50#0	2	2	20.90	20.94	21.09
15M	QPSK	RB1#0	0	0	22.84	23.04	23.02
		RB1#38	0	0	22.81	23.07	23.02
		RB1#74	0	0	22.88	23.07	23.02
		RB36#0	1	1	21.87	21.98	22.03
		RB36#39	1	1	21.98	22.08	22.04
		RB75#0	1	1	21.99	21.96	22.03
	16-QAM	RB1#0	1	1	21.96	22.31	22.20
		RB1#38	1	1	22.05	22.31	22.21
		RB1#74	1	1	22.02	22.42	22.27
		RB36#0	2	2	20.95	20.96	20.96
		RB36#39	2	2	21.06	21.04	21.07
		RB75#0	2	2	20.95	20.95	20.99

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
20M	QPSK	RB1#0	0	0	22.24	22.19	22.15
		RB1#50	0	0	22.28	22.26	22.14
		RB1#99	0	0	22.23	22.20	22.14
		RB50#0	1	1	21.76	21.66	21.63
		RB50#50	1	1	21.75	21.69	21.70
		RB100#0	1	1	21.81	21.71	21.63
	16-QAM	RB1#0	1	1	21.27	21.72	21.22
		RB1#50	1	1	21.33	21.79	21.33
		RB1#99	1	1	21.24	21.76	21.22
		RB50#0	2	2	20.32	20.24	20.08
		RB50#50	2	2	20.36	20.31	20.11
		RB100#0	2	2	20.32	20.18	20.26

LTE Band 40 Lower Band:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	RB1#0	0	0	22.33	/	22.13
		RB1#13	0	0	22.21	/	22.10
		RB1#24	0	0	22.28	/	22.10
		RB15#0	1	1	21.29	/	21.22
		RB15#10	1	1	21.24	/	21.20
		RB25#0	1	1	21.26	/	21.12
	16-QAM	RB1#0	1	1	21.30	/	21.25
		RB1#13	1	1	21.33	/	21.33
		RB1#24	1	1	21.24	/	21.26
		RB15#0	2	2	20.29	/	20.07
		RB15#10	2	2	20.39	/	20.17
		RB25#0	2	2	20.29	/	20.19
10M	QPSK	RB1#0	0	0	/	22.23	/
		RB1#25	0	0	/	22.22	/
		RB1#49	0	0	/	22.19	/
		RB25#0	1	1	/	21.67	/
		RB25#25	1	1	/	21.75	/
		RB50#0	1	1	/	21.68	/
	16-QAM	RB1#0	1	1	/	21.65	/
		RB1#25	1	1	/	21.77	/
		RB1#49	1	1	/	21.73	/
		RB25#0	2	2	/	20.21	/
		RB25#25	2	2	/	20.27	/
		RB50#0	2	2	/	20.19	/

LTE Band 40 Upper Band:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	RB1#0	0	0	22.21	/	22.16
		RB1#13	0	0	22.30	/	22.10
		RB1#24	0	0	22.15	/	22.07
		RB15#0	1	1	21.27	/	21.13
		RB15#10	1	1	21.32	/	21.16
		RB25#0	1	1	21.28	/	21.19
	16-QAM	RB1#0	1	1	21.60	/	21.07
		RB1#13	1	1	21.61	/	21.08
		RB1#24	1	1	21.71	/	21.21
		RB15#0	2	2	20.19	/	20.30
		RB15#10	2	2	20.22	/	20.23
		RB25#0	2	2	20.24	/	20.18
10M	QPSK	RB1#0	0	0	/	22.19	/
		RB1#25	0	0	/	22.04	/
		RB1#49	0	0	/	21.96	/
		RB25#0	1	1	/	21.57	/
		RB25#25	1	1	/	21.78	/
		RB50#0	1	1	/	21.64	/
	16-QAM	RB1#0	1	1	/	21.33	/
		RB1#25	1	1	/	21.34	/
		RB1#49	1	1	/	21.38	/
		RB25#0	2	2	/	20.08	/
		RB25#25	2	2	/	20.12	/
		RB50#0	2	2	/	20.06	/

LTE Band 41:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	2570 MHz (dBm)	Middle Channel (dBm)	High Channel (dBm)
5M	QPSK	RB1#0	0	0	22.57	22.87	22.97	23.21
		RB1#13	0	0	22.50	22.80	23.04	23.23
		RB1#24	0	0	22.45	22.75	23.15	23.20
		RB15#0	1	1	19.56	19.86	21.98	22.25
		RB15#10	1	1	19.55	19.85	22.08	22.26
		RB25#0	1	1	19.56	19.86	22.12	22.26
	16-QAM	RB1#0	1	1	21.65	21.95	22.43	22.35
		RB1#13	1	1	21.70	22.00	22.47	22.44
		RB1#24	1	1	21.61	21.91	22.52	22.26
		RB15#0	2	2	18.67	18.97	21.04	21.15
		RB15#10	2	2	18.57	18.87	21.16	21.18
		RB25#0	2	2	18.59	18.89	21.18	21.29
10M	QPSK	RB1#0	0	0	22.60	22.90	23.07	23.20
		RB1#25	0	0	22.47	22.77	22.99	23.22
		RB1#49	0	0	22.54	22.84	22.94	23.20
		RB25#0	1	1	19.55	19.85	22.00	22.27
		RB25#25	1	1	19.63	19.93	22.17	22.26
		RB50#0	1	1	19.61	19.91	22.15	22.28
	16-QAM	RB1#0	1	1	21.69	21.99	22.51	22.14
		RB1#25	1	1	21.71	22.01	22.32	22.07
		RB1#49	1	1	21.80	22.10	22.46	22.21
		RB25#0	2	2	18.55	18.85	21.04	21.31
		RB25#25	2	2	18.66	18.96	21.16	21.35
		RB50#0	2	2	18.59	18.89	21.19	21.29
15M	QPSK	RB1#0	0	0	22.33	22.63	22.82	23.00
		RB1#38	0	0	22.38	22.68	22.74	22.97
		RB1#74	0	0	22.37	22.67	22.91	23.09
		RB36#0	1	1	19.46	19.76	21.88	22.12
		RB36#39	1	1	19.44	19.74	21.93	22.15
		RB75#0	1	1	19.47	19.77	21.99	22.12
	16-QAM	RB1#0	1	1	21.64	21.94	22.16	22.13
		RB1#38	1	1	21.55	21.85	22.12	22.12
		RB1#74	1	1	21.58	21.88	22.14	22.17
		RB36#0	2	2	18.56	18.86	20.93	21.07
		RB36#39	2	2	18.49	18.79	20.99	21.16
		RB75#0	2	2	18.47	18.77	20.86	21.18

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	2570 MHz (dBm)	Middle Channel (dBm)	High Channel (dBm)
20M	QPSK	RB1#0	0	0	22.35	22.65	22.89	23.05
		RB1#50	0	0	22.37	22.67	22.88	23.00
		RB1#99	0	0	22.75	22.95	23.11	23.16
		RB50#0	1	1	19.97	20.27	22.40	22.64
		RB50#50	1	1	19.95	20.25	22.64	22.66
		RB100#0	1	1	20.00	20.30	22.50	22.72
	16-QAM	RB1#0	1	1	21.65	21.95	22.02	22.17
		RB1#50	1	1	21.64	21.94	22.02	22.05
		RB1#99	1	1	21.78	22.08	22.15	22.15
		RB50#0	2	2	18.41	18.71	20.92	21.18
		RB50#50	2	2	18.52	18.82	20.98	21.16
		RB100#0	2	2	18.47	18.77	20.99	21.20

LTE Band 66:

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4M	QPSK	RB1#0	0	0	22.28	22.26	22.09
		RB1#3	0	0	22.32	22.41	22.26
		RB1#5	0	0	22.27	22.24	22.07
		RB3#0	1	1	22.26	22.27	22.15
		RB3#3	1	1	22.34	22.28	22.03
		RB6#0	1	1	21.32	21.31	21.21
	16-QAM	RB1#0	1	1	21.50	21.35	21.12
		RB1#3	1	1	21.56	21.62	21.21
		RB1#5	2	2	21.42	21.44	21.10
		RB3#0	2	2	21.35	21.45	21.37
		RB3#3	2	2	21.30	21.39	21.26
		RB6#0	2	2	20.45	20.26	20.31
3M	QPSK	RB1#0	0	0	22.39	22.33	22.32
		RB1#8	0	0	22.40	22.34	22.20
		RB1#14	0	0	22.41	22.32	22.21
		RB6#0	1	1	21.27	21.42	21.24
		RB6#9	1	1	21.37	21.42	21.31
		RB15#0	1	1	21.41	21.45	21.31
	16-QAM	RB1#0	1	1	21.48	21.91	21.33
		RB1#8	1	1	21.50	22.01	21.49
		RB1#14	1	1	21.48	21.82	21.44
		RB6#0	2	2	20.26	20.51	20.31
		RB6#9	2	2	20.36	20.55	20.30
		RB15#0	2	2	20.55	20.57	20.28
5M	QPSK	RB1#0	0	0	22.36	22.39	22.20
		RB1#13	0	0	22.44	22.37	22.28
		RB1#24	0	0	22.45	22.29	22.20
		RB15#0	1	1	21.49	21.38	21.22
		RB15#10	1	1	21.47	21.38	21.34
		RB25#0	1	1	21.46	21.38	21.21
	16-QAM	RB1#0	1	1	21.54	21.22	21.58
		RB1#13	1	1	21.53	21.31	21.64
		RB1#24	1	1	21.53	21.28	21.56
		RB15#0	2	2	20.53	20.38	20.24
		RB15#10	2	2	20.54	20.47	20.31
		RB25#0	2	2	20.46	20.42	20.26

Test Bandwidth	Test Modulation	Resource Block & RB offset	Target MPR	Meas MPR	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
10M	QPSK	RB1#0	0	0	22.33	22.29	22.25
		RB1#25	0	0	22.30	22.35	22.23
		RB1#49	1	1	22.28	22.32	22.09
		RB25#0	1	1	21.38	21.38	21.27
		RB25#25	1	1	21.42	21.42	21.36
		RB50#0	1	1	21.45	21.40	21.34
	16-QAM	RB1#0	1	1	21.37	22.08	21.35
		RB1#25	1	1	21.51	21.97	21.33
		RB1#49	1	1	21.45	21.91	21.38
		RB25#0	2	2	20.37	20.38	20.34
		RB25#25	2	2	20.52	20.47	20.39
		RB50#0	2	2	20.48	20.43	20.35
15M	QPSK	RB1#0	0	0	22.18	22.17	22.08
		RB1#38	0	0	22.21	22.28	22.09
		RB1#74	1	1	22.14	22.28	22.16
		RB36#0	1	1	21.23	21.23	21.14
		RB36#39	1	1	21.27	21.34	21.20
		RB75#0	1	1	21.30	21.19	21.16
	16-QAM	RB1#0	1	1	21.63	21.83	21.42
		RB1#38	1	1	21.69	21.89	21.38
		RB1#74	2	2	21.58	21.86	21.41
		RB36#0	2	2	20.26	20.28	20.20
		RB36#39	2	2	20.32	20.32	20.25
		RB75#0	2	2	20.27	20.18	20.20
20M	QPSK	RB1#0	0	0	22.55	22.22	22.38
		RB1#50	0	0	22.15	22.57	22.14
		RB1#99	0	0	22.05	22.18	22.18
		RB50#0	1	1	21.75	21.73	21.65
		RB50#50	1	1	21.77	21.97	21.70
		RB100#0	1	1	21.76	21.74	21.72
	16-QAM	RB1#0	1	1	21.85	21.58	21.45
		RB1#50	1	1	21.75	21.55	21.35
		RB1#99	2	2	21.79	21.64	21.44
		RB50#0	2	2	20.30	20.28	20.18
		RB50#50	2	2	20.17	20.32	20.25
		RB100#0	2	2	20.31	20.34	20.24

5G NR n2:

Mode	Conducted Average Power(dBm)
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	20.75
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	20.71
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	20.67
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	20.17
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM QPSK_RB1@1	20.76
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM QPSK_RB12@6	20.32
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM QPSK_RB1@23	20.35
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM QPSK_RB25@0	19.35
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM 16 QAM_RB25@0	18.38
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM 64 QAM_RB25@0	17.90
n2_5MHz_15kHz_1852.5MHz_DFT-s-OFDM 256 QAM_RB25@0	16.07
n2_5MHz_15kHz_1852.5MHz_CP-OFDM QPSK_RB1@1	19.02
n2_5MHz_15kHz_1852.5MHz_CP-OFDM QPSK_RB13@6	18.88
n2_5MHz_15kHz_1852.5MHz_CP-OFDM QPSK_RB1@23	18.93
n2_5MHz_15kHz_1852.5MHz_CP-OFDM QPSK_RB25@0	17.65
n2_5MHz_15kHz_1852.5MHz_CP-OFDM 16 QAM_RB25@0	17.86
n2_5MHz_15kHz_1852.5MHz_CP-OFDM 64 QAM_RB25@0	17.22
n2_5MHz_15kHz_1852.5MHz_CP-OFDM 256 QAM_RB25@0	14.20
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	20.80
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	20.75
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	20.74
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	20.27
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB1@1	20.70
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB12@6	20.76
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB1@23	20.64
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB25@0	19.76
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM 16 QAM_RB25@0	18.75
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM 64 QAM_RB25@0	18.32
n2_5MHz_15kHz_1880MHz_DFT-s-OFDM 256 QAM_RB25@0	16.25
n2_5MHz_15kHz_1880MHz_CP-OFDM QPSK_RB1@1	19.30
n2_5MHz_15kHz_1880MHz_CP-OFDM QPSK_RB13@6	19.48
n2_5MHz_15kHz_1880MHz_CP-OFDM QPSK_RB1@23	19.12
n2_5MHz_15kHz_1880MHz_CP-OFDM QPSK_RB25@0	17.75
n2_5MHz_15kHz_1880MHz_CP-OFDM16QAM_RB25@0	17.77
n2_5MHz_15kHz_1880MHz_CP-OFDM64QAM_RB25@0	17.31
n2_5MHz_15kHz_1880MHz_CP-OFDM 256 QAM_RB25@0	14.28

Mode	Conducted Average Power(dBm)
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.89
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	22.84
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	22.86
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	22.45
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM QPSK_RB1@1	22.98
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM QPSK_RB12@6	22.93
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM QPSK_RB1@23	22.86
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM QPSK_RB25@0	21.98
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM 16 QAM_RB25@0	21.01
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM 64 QAM_RB25@0	20.38
n2_5MHz_15kHz_1907.5MHz_DFT-s-OFDM 256 QAM_RB25@0	18.38
n2_5MHz_15kHz_1907.5MHz_CP-OFDM QPSK_RB1@1	21.38
n2_5MHz_15kHz_1907.5MHz_CP-OFDM QPSK_RB13@6	21.49
n2_5MHz_15kHz_1907.5MHz_CP-OFDM QPSK_RB1@23	21.25
n2_5MHz_15kHz_1907.5MHz_CP-OFDM QPSK_RB25@0	19.97
n2_5MHz_15kHz_1907.5MHz_CP-OFDM 16 QAM_RB25@0	19.83
n2_5MHz_15kHz_1907.5MHz_CP-OFDM 64 QAM_RB25@0	19.43
n2_5MHz_15kHz_1907.5MHz_CP-OFDM 256 QAM_RB25@0	16.35
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.92
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	22.92
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	22.89
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	22.39
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM QPSK_RB1@1	23.01
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM QPSK_RB25@12	22.61
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM QPSK_RB1@50	22.92
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM QPSK_RB50@0	21.75
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM 16 QAM_RB50@0	20.77
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM 64 QAM_RB50@0	20.26
n2_10MHz_15kHz_1855MHz_DFT-s-OFDM 256 QAM_RB50@0	18.40
n2_10MHz_15kHz_1855MHz_CP-OFDM QPSK_RB1@1	21.37
n2_10MHz_15kHz_1855MHz_CP-OFDM QPSK_RB26@13	20.89
n2_10MHz_15kHz_1855MHz_CP-OFDM QPSK_RB1@50	21.50
n2_10MHz_15kHz_1855MHz_CP-OFDM QPSK_RB52@0	19.80
n2_10MHz_15kHz_1855MHz_CP-OFDM 16 QAM_RB52@0	19.77
n2_10MHz_15kHz_1855MHz_CP-OFDM 64 QAM_RB52@0	19.36
n2_10MHz_15kHz_1855MHz_CP-OFDM 256 QAM_RB52@0	16.37

Mode	Conducted Average Power(dBm)
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.91
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	22.94
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	22.87
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	22.43
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB1@1	22.97
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB25@12	22.91
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB1@50	22.82
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB50@0	21.94
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM 16 QAM_RB50@0	20.91
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM 64 QAM_RB50@0	20.53
n2_10MHz_15kHz_1880MHz_DFT-s-OFDM 256 QAM_RB50@0	18.39
n2_10MHz_15kHz_1880MHz_CP-OFDM QPSK_RB1@1	21.47
n2_10MHz_15kHz_1880MHz_CP-OFDM QPSK_RB26@13	21.50
n2_10MHz_15kHz_1880MHz_CP-OFDM QPSK_RB1@50	21.48
n2_10MHz_15kHz_1880MHz_CP-OFDM QPSK_RB52@0	19.95
n2_10MHz_15kHz_1880MHz_CP-OFDM 16 QAM_RB52@0	19.94
n2_10MHz_15kHz_1880MHz_CP-OFDM 64 QAM_RB52@0	19.47
n2_10MHz_15kHz_1880MHz_CP-OFDM 256 QAM_RB52@0	16.35
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.90
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	22.90
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	22.98
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	22.43
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM QPSK_RB1@1	22.89
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM QPSK_RB25@12	22.89
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM QPSK_RB1@50	22.92
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM QPSK_RB50@0	21.84
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM 16 QAM_RB50@0	20.77
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM 64 QAM_RB50@0	20.35
n2_10MHz_15kHz_1905MHz_DFT-s-OFDM 256 QAM_RB50@0	18.33
n2_10MHz_15kHz_1905MHz_CP-OFDM QPSK_RB1@1	21.41
n2_10MHz_15kHz_1905MHz_CP-OFDM QPSK_RB26@13	21.33
n2_10MHz_15kHz_1905MHz_CP-OFDM QPSK_RB1@50	21.32
n2_10MHz_15kHz_1905MHz_CP-OFDM QPSK_RB52@0	19.82
n2_10MHz_15kHz_1905MHz_CP-OFDM 16 QAM_RB52@0	19.87
n2_10MHz_15kHz_1905MHz_CP-OFDM 64 QAM_RB52@0	19.31
n2_10MHz_15kHz_1905MHz_CP-OFDM 256 QAM_RB52@0	16.27

Mode	Conducted Average Power(dBm)
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.83
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	22.70
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	22.90
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	22.35
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM QPSK_RB1@1	22.57
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM QPSK_RB36@18	22.36
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM QPSK_RB1@77	22.94
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM QPSK_RB75@0	21.76
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM 16 QAM_RB75@0	20.76
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM 64 QAM_RB75@0	20.32
n2_15MHz_15kHz_1857.5MHz_DFT-s-OFDM 256 QAM_RB75@0	18.31
n2_15MHz_15kHz_1857.5MHz_CP-OFDM QPSK_RB1@1	21.33
n2_15MHz_15kHz_1857.5MHz_CP-OFDM QPSK_RB39@19	20.95
n2_15MHz_15kHz_1857.5MHz_CP-OFDM QPSK_RB1@77	21.23
n2_15MHz_15kHz_1857.5MHz_CP-OFDM QPSK_RB79@0	19.72
n2_15MHz_15kHz_1857.5MHz_CP-OFDM 16 QAM_RB79@0	19.83
n2_15MHz_15kHz_1857.5MHz_CP-OFDM 64 QAM_RB79@0	19.30
n2_15MHz_15kHz_1857.5MHz_CP-OFDM 256 QAM_RB79@0	16.29
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.92
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	22.92
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	22.85
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	22.49
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB1@1	22.92
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB36@18	22.92
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB1@77	22.94
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB75@0	21.88
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM 16 QAM_RB75@0	20.92
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM 64 QAM_RB75@0	20.48
n2_15MHz_15kHz_1880MHz_DFT-s-OFDM 256 QAM_RB75@0	18.36
n2_15MHz_15kHz_1880MHz_CP-OFDM QPSK_RB1@1	21.41
n2_15MHz_15kHz_1880MHz_CP-OFDM QPSK_RB39@19	21.42
n2_15MHz_15kHz_1880MHz_CP-OFDM QPSK_RB1@77	21.43
n2_15MHz_15kHz_1880MHz_CP-OFDM QPSK_RB79@0	19.97
n2_15MHz_15kHz_1880MHz_CP-OFDM 16 QAM_RB79@0	19.99
n2_15MHz_15kHz_1880MHz_CP-OFDM 64 QAM_RB79@0	19.36
n2_15MHz_15kHz_1880MHz_CP-OFDM 256 QAM_RB79@0	16.48

Mode	Conducted Average Power(dBm)
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.88
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	22.84
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	22.90
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	22.38
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM QPSK_RB1@1	22.85
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM QPSK_RB36@18	22.82
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM QPSK_RB1@77	22.94
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM QPSK_RB75@0	21.83
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM 16 QAM_RB75@0	20.94
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM 64 QAM_RB75@0	20.46
n2_15MHz_15kHz_1902.5MHz_DFT-s-OFDM 256 QAM_RB75@0	18.31
n2_15MHz_15kHz_1902.5MHz_CP-OFDM QPSK_RB1@1	21.41
n2_15MHz_15kHz_1902.5MHz_CP-OFDM QPSK_RB39@19	21.31
n2_15MHz_15kHz_1902.5MHz_CP-OFDM QPSK_RB1@77	21.41
n2_15MHz_15kHz_1902.5MHz_CP-OFDM QPSK_RB79@0	19.93
n2_15MHz_15kHz_1902.5MHz_CP-OFDM 16 QAM_RB79@0	19.90
n2_15MHz_15kHz_1902.5MHz_CP-OFDM 64 QAM_RB79@0	19.34
n2_15MHz_15kHz_1902.5MHz_CP-OFDM 256 QAM_RB79@0	16.38
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.70
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	22.72
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	22.91
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	22.29
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM QPSK_RB1@1	22.64
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM QPSK_RB50@25	22.78
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM QPSK_RB1@104	22.88
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM QPSK_RB100@0	21.83
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM 16 QAM_RB100@0	20.81
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM 64 QAM_RB100@0	20.33
n2_20MHz_15kHz_1860MHz_DFT-s-OFDM 256 QAM_RB100@0	18.34
n2_20MHz_15kHz_1860MHz_CP-OFDM QPSK_RB1@1	21.00
n2_20MHz_15kHz_1860MHz_CP-OFDM QPSK_RB53@26	21.13
n2_20MHz_15kHz_1860MHz_CP-OFDM QPSK_RB1@104	21.28
n2_20MHz_15kHz_1860MHz_CP-OFDM QPSK_RB106@0	19.75
n2_20MHz_15kHz_1860MHz_CP-OFDM 16 QAM_RB106@0	19.73
n2_20MHz_15kHz_1860MHz_CP-OFDM 64 QAM_RB106@0	19.36
n2_20MHz_15kHz_1860MHz_CP-OFDM 256 QAM_RB106@0	16.30

Mode	Conducted Average Power(dBm)
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.81
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	22.83
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	22.85
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	22.46
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB1@1	22.88
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB50@25	23.00
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB1@104	22.89
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM QPSK_RB100@0	21.85
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM 16 QAM_RB100@0	20.86
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM 64 QAM_RB100@0	20.40
n2_20MHz_15kHz_1880MHz_DFT-s-OFDM 256 QAM_RB100@0	18.49
n2_20MHz_15kHz_1880MHz_CP-OFDM QPSK_RB1@1	21.35
n2_20MHz_15kHz_1880MHz_CP-OFDM QPSK_RB53@26	21.36
n2_20MHz_15kHz_1880MHz_CP-OFDM QPSK_RB1@104	21.40
n2_20MHz_15kHz_1880MHz_CP-OFDM QPSK_RB106@0	19.84
n2_20MHz_15kHz_1880MHz_CP-OFDM 16 QAM_RB106@0	19.92
n2_20MHz_15kHz_1880MHz_CP-OFDM 64 QAM_RB106@0	19.45
n2_20MHz_15kHz_1880MHz_CP-OFDM 256 QAM_RB106@0	16.39
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	22.94
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	22.83
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	22.83
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	22.46
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM QPSK_RB1@1	22.92
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM QPSK_RB50@25	22.88
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM QPSK_RB1@104	22.96
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM QPSK_RB100@0	21.95
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM 16 QAM_RB100@0	20.90
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM 64 QAM_RB100@0	20.60
n2_20MHz_15kHz_1900MHz_DFT-s-OFDM 256 QAM_RB100@0	18.43
n2_20MHz_15kHz_1900MHz_CP-OFDM QPSK_RB1@1	21.47
n2_20MHz_15kHz_1900MHz_CP-OFDM QPSK_RB53@26	21.44
n2_20MHz_15kHz_1900MHz_CP-OFDM QPSK_RB1@104	21.27
n2_20MHz_15kHz_1900MHz_CP-OFDM QPSK_RB106@0	19.87
n2_20MHz_15kHz_1900MHz_CP-OFDM 16 QAM_RB106@0	19.89
n2_20MHz_15kHz_1900MHz_CP-OFDM 64 QAM_RB106@0	19.46
n2_20MHz_15kHz_1900MHz_CP-OFDM 256 QAM_RB106@0	16.35

5G NR n5:

Mode	Conducted Average Power(dBm)
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.07
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	24.03
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	24.11
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	23.48
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM QPSK_RB1@1	24.06
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM QPSK_RB12@6	23.99
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM QPSK_RB1@23	24.02
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM QPSK_RB25@0	22.94
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM 16 QAM_RB25@0	22.01
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM 64 QAM_RB25@0	21.62
n5_5MHz_15kHz_826.5MHz_DFT-s-OFDM 256 QAM_RB25@0	19.45
n5_5MHz_15kHz_826.5MHz_CP-OFDM QPSK_RB1@1	22.46
n5_5MHz_15kHz_826.5MHz_CP-OFDM QPSK_RB13@6	22.57
n5_5MHz_15kHz_826.5MHz_CP-OFDM QPSK_RB1@23	22.44
n5_5MHz_15kHz_826.5MHz_CP-OFDM QPSK_RB25@0	20.94
n5_5MHz_15kHz_826.5MHz_CP-OFDM 16 QAM_RB25@0	21.05
n5_5MHz_15kHz_826.5MHz_CP-OFDM 64 QAM_RB25@0	20.57
n5_5MHz_15kHz_826.5MHz_CP-OFDM 256 QAM_RB25@0	17.56
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.04
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	23.94
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	24.00
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	23.46
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@1	24.05
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB12@6	24.00
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@23	24.09
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB25@0	22.99
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM 16 QAM_RB25@0	22.06
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM 64 QAM_RB25@0	21.47
n5_5MHz_15kHz_836.5MHz_DFT-s-OFDM 256 QAM_RB25@0	19.40
n5_5MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@1	22.33
n5_5MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB13@6	22.59
n5_5MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@23	22.39
n5_5MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB25@0	20.98
n5_5MHz_15kHz_836.5MHz_CP-OFDM 16 QAM_RB25@0	21.15
n5_5MHz_15kHz_836.5MHz_CP-OFDM 64 QAM_RB25@0	20.42
n5_5MHz_15kHz_836.5MHz_CP-OFDM 256 QAM_RB25@0	17.53

Mode	Conducted Average Power(dBm)
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.01
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	23.93
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	23.99
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	23.43
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM QPSK_RB1@1	23.97
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM QPSK_RB12@6	23.96
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM QPSK_RB1@23	23.99
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM QPSK_RB25@0	22.94
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM 16 QAM_RB25@0	21.96
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM 64 QAM_RB25@0	21.46
n5_5MHz_15kHz_846.5MHz_DFT-s-OFDM 256 QAM_RB25@0	19.49
n5_5MHz_15kHz_846.5MHz_CP-OFDM QPSK_RB1@1	22.53
n5_5MHz_15kHz_846.5MHz_CP-OFDM QPSK_RB13@6	22.42
n5_5MHz_15kHz_846.5MHz_CP-OFDM QPSK_RB1@23	22.38
n5_5MHz_15kHz_846.5MHz_CP-OFDM QPSK_RB25@0	20.95
n5_5MHz_15kHz_846.5MHz_CP-OFDM 16 QAM_RB25@0	20.94
n5_5MHz_15kHz_846.5MHz_CP-OFDM 64 QAM_RB25@0	20.38
n5_5MHz_15kHz_846.5MHz_CP-OFDM 256 QAM_RB25@0	17.47
n5_10MHz_15kHz_829MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.50
n5_10MHz_15kHz_829MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	23.57
n5_10MHz_15kHz_829MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	23.46
n5_10MHz_15kHz_829MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	23.00
n5_10MHz_15kHz_829MHz_DFT-s-OFDM QPSK_RB1@1	23.53
n5_10MHz_15kHz_829MHz_DFT-s-OFDM QPSK_RB25@12	23.44
n5_10MHz_15kHz_829MHz_DFT-s-OFDM QPSK_RB1@50	23.49
n5_10MHz_15kHz_829MHz_DFT-s-OFDM QPSK_RB50@0	22.49
n5_10MHz_15kHz_829MHz_DFT-s-OFDM 16 QAM_RB50@0	21.47
n5_10MHz_15kHz_829MHz_DFT-s-OFDM 64 QAM_RB50@0	21.10
n5_10MHz_15kHz_829MHz_DFT-s-OFDM 256 QAM_RB50@0	18.98
n5_10MHz_15kHz_829MHz_CP-OFDM QPSK_RB1@1	22.04
n5_10MHz_15kHz_829MHz_CP-OFDM QPSK_RB26@13	21.99
n5_10MHz_15kHz_829MHz_CP-OFDM QPSK_RB1@50	21.89
n5_10MHz_15kHz_829MHz_CP-OFDM QPSK_RB52@0	20.59
n5_10MHz_15kHz_829MHz_CP-OFDM 16 QAM_RB52@0	20.58
n5_10MHz_15kHz_829MHz_CP-OFDM 64 QAM_RB52@0	20.14
n5_10MHz_15kHz_829MHz_CP-OFDM 256 QAM_RB52@0	17.13

Mode	Conducted Average Power(dBm)
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.51
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	23.50
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	23.49
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	22.93
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@1	23.46
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB25@12	23.41
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@50	23.53
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB50@0	22.51
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM 16 QAM_RB50@0	21.43
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM 64 QAM_RB50@0	20.92
n5_10MHz_15kHz_836.5MHz_DFT-s-OFDM 256 QAM_RB50@0	18.91
n5_10MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@1	21.85
n5_10MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB26@13	21.91
n5_10MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@50	22.17
n5_10MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB52@0	20.58
n5_10MHz_15kHz_836.5MHz_CP-OFDM 16 QAM_RB52@0	20.52
n5_10MHz_15kHz_836.5MHz_CP-OFDM 64 QAM_RB52@0	20.02
n5_10MHz_15kHz_836.5MHz_CP-OFDM 256 QAM_RB52@0	17.10
n5_10MHz_15kHz_844MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.59
n5_10MHz_15kHz_844MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	23.52
n5_10MHz_15kHz_844MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	23.52
n5_10MHz_15kHz_844MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	23.10
n5_10MHz_15kHz_844MHz_DFT-s-OFDM QPSK_RB1@1	23.47
n5_10MHz_15kHz_844MHz_DFT-s-OFDM QPSK_RB25@12	23.35
n5_10MHz_15kHz_844MHz_DFT-s-OFDM QPSK_RB1@50	14.14
n5_10MHz_15kHz_844MHz_DFT-s-OFDM QPSK_RB50@0	21.29
n5_10MHz_15kHz_844MHz_DFT-s-OFDM 16 QAM_RB50@0	21.35
n5_10MHz_15kHz_844MHz_DFT-s-OFDM 64 QAM_RB50@0	21.03
n5_10MHz_15kHz_844MHz_DFT-s-OFDM 256 QAM_RB50@0	18.87
n5_10MHz_15kHz_844MHz_CP-OFDM QPSK_RB1@1	21.95
n5_10MHz_15kHz_844MHz_CP-OFDM QPSK_RB26@13	21.82
n5_10MHz_15kHz_844MHz_CP-OFDM QPSK_RB1@50	21.72
n5_10MHz_15kHz_844MHz_CP-OFDM QPSK_RB52@0	20.44
n5_10MHz_15kHz_844MHz_CP-OFDM 16 QAM_RB52@0	20.44
n5_10MHz_15kHz_844MHz_CP-OFDM 64 QAM_RB52@0	19.98
n5_10MHz_15kHz_844MHz_CP-OFDM 256 QAM_RB52@0	17.02

Mode	Conducted Average Power(dBm)
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.91
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	23.96
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	23.84
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	23.29
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB1@1	24.14
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB36@18	23.95
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB1@77	24.03
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB75@0	22.99
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM 16 QAM_RB75@0	22.00
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM 64 QAM_RB75@0	21.52
n5_15MHz_15kHz_831.5MHz_DFT-s-OFDM 256 QAM_RB75@0	19.52
n5_15MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB1@1	22.57
n5_15MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB39@19	22.46
n5_15MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB1@77	22.49
n5_15MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB79@0	21.04
n5_15MHz_15kHz_831.5MHz_CP-OFDM 16 QAM_RB79@0	20.99
n5_15MHz_15kHz_831.5MHz_CP-OFDM 64 QAM_RB79@0	20.40
n5_15MHz_15kHz_831.5MHz_CP-OFDM 256 QAM_RB79@0	17.69
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.02
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	24.05
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	23.83
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	23.56
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@1	23.96
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB36@18	24.03
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@77	23.69
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB75@0	22.61
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM 16 QAM_RB75@0	21.76
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM 64 QAM_RB75@0	21.36
n5_15MHz_15kHz_836.5MHz_DFT-s-OFDM 256 QAM_RB75@0	19.09
n5_15MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@1	22.27
n5_15MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB39@19	22.20
n5_15MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@77	22.22
n5_15MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB79@0	20.79
n5_15MHz_15kHz_836.5MHz_CP-OFDM 16 QAM_RB79@0	20.80
n5_15MHz_15kHz_836.5MHz_CP-OFDM 64 QAM_RB79@0	20.28
n5_15MHz_15kHz_836.5MHz_CP-OFDM 256 QAM_RB79@0	17.61

Mode	Conducted Average Power(dBm)
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.91
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	23.97
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	23.73
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	23.18
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM QPSK_RB1@1	23.74
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM QPSK_RB36@18	23.69
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM QPSK_RB1@77	23.67
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM QPSK_RB75@0	22.67
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM 16 QAM_RB75@0	21.71
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM 64 QAM_RB75@0	21.37
n5_15MHz_15kHz_841.5MHz_DFT-s-OFDM 256 QAM_RB75@0	19.21
n5_15MHz_15kHz_841.5MHz_CP-OFDM QPSK_RB1@1	22.20
n5_15MHz_15kHz_841.5MHz_CP-OFDM QPSK_RB39@19	22.26
n5_15MHz_15kHz_841.5MHz_CP-OFDM QPSK_RB1@77	22.20
n5_15MHz_15kHz_841.5MHz_CP-OFDM QPSK_RB79@0	20.83
n5_15MHz_15kHz_841.5MHz_CP-OFDM 16 QAM_RB79@0	20.86
n5_15MHz_15kHz_841.5MHz_CP-OFDM 64 QAM_RB79@0	20.22
n5_15MHz_15kHz_841.5MHz_CP-OFDM 256 QAM_RB79@0	17.30
n5_20MHz_15kHz_834MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.03
n5_20MHz_15kHz_834MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	23.97
n5_20MHz_15kHz_834MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	23.94
n5_20MHz_15kHz_834MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	23.50
n5_20MHz_15kHz_834MHz_DFT-s-OFDM QPSK_RB1@1	24.15
n5_20MHz_15kHz_834MHz_DFT-s-OFDM QPSK_RB50@25	24.09
n5_20MHz_15kHz_834MHz_DFT-s-OFDM QPSK_RB1@104	24.02
n5_20MHz_15kHz_834MHz_DFT-s-OFDM QPSK_RB100@0	23.00
n5_20MHz_15kHz_834MHz_DFT-s-OFDM 16 QAM_RB100@0	22.03
n5_20MHz_15kHz_834MHz_DFT-s-OFDM 64 QAM_RB100@0	21.56
n5_20MHz_15kHz_834MHz_DFT-s-OFDM 256 QAM_RB100@0	19.55
n5_20MHz_15kHz_834MHz_CP-OFDM QPSK_RB1@1	22.76
n5_20MHz_15kHz_834MHz_CP-OFDM QPSK_RB53@26	22.47
n5_20MHz_15kHz_834MHz_CP-OFDM QPSK_RB1@104	22.35
n5_20MHz_15kHz_834MHz_CP-OFDM QPSK_RB106@0	21.03
n5_20MHz_15kHz_834MHz_CP-OFDM 16 QAM_RB106@0	21.01
n5_20MHz_15kHz_834MHz_CP-OFDM 64 QAM_RB106@0	20.61
n5_20MHz_15kHz_834MHz_CP-OFDM 256 QAM_RB106@0	17.64

Mode	Conducted Average Power(dBm)
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.26
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	24.03
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	23.93
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	23.64
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@1	24.16
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB50@25	23.96
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@104	24.03
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB100@0	23.06
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM 16 QAM_RB100@0	22.05
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM 64 QAM_RB100@0	21.61
n5_20MHz_15kHz_836.5MHz_DFT-s-OFDM 256 QAM_RB100@0	19.54
n5_20MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@1	22.60
n5_20MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB53@26	22.54
n5_20MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@104	22.41
n5_20MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB106@0	21.06
n5_20MHz_15kHz_836.5MHz_CP-OFDM 16 QAM_RB106@0	21.08
n5_20MHz_15kHz_836.5MHz_CP-OFDM 64 QAM_RB106@0	20.59
n5_20MHz_15kHz_836.5MHz_CP-OFDM 256 QAM_RB106@0	17.69
n5_20MHz_15kHz_839MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.78
n5_20MHz_15kHz_839MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	23.74
n5_20MHz_15kHz_839MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	23.66
n5_20MHz_15kHz_839MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	23.25
n5_20MHz_15kHz_839MHz_DFT-s-OFDM QPSK_RB1@1	23.87
n5_20MHz_15kHz_839MHz_DFT-s-OFDM QPSK_RB50@25	23.62
n5_20MHz_15kHz_839MHz_DFT-s-OFDM QPSK_RB1@104	23.65
n5_20MHz_15kHz_839MHz_DFT-s-OFDM QPSK_RB100@0	22.67
n5_20MHz_15kHz_839MHz_DFT-s-OFDM 16 QAM_RB100@0	21.70
n5_20MHz_15kHz_839MHz_DFT-s-OFDM 64 QAM_RB100@0	21.28
n5_20MHz_15kHz_839MHz_DFT-s-OFDM 256 QAM_RB100@0	19.27
n5_20MHz_15kHz_839MHz_CP-OFDM QPSK_RB1@1	22.40
n5_20MHz_15kHz_839MHz_CP-OFDM QPSK_RB53@26	22.28
n5_20MHz_15kHz_839MHz_CP-OFDM QPSK_RB1@104	22.16
n5_20MHz_15kHz_839MHz_CP-OFDM QPSK_RB106@0	20.85
n5_20MHz_15kHz_839MHz_CP-OFDM 16 QAM_RB106@0	20.84
n5_20MHz_15kHz_839MHz_CP-OFDM 64 QAM_RB106@0	20.32
n5_20MHz_15kHz_839MHz_CP-OFDM 256 QAM_RB106@0	17.45

5G NR n7:

Mode	Conducted Average Power(dBm)
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.07
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	21.18
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	21.26
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	20.64
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM QPSK_RB1@1	21.16
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM QPSK_RB12@6	21.26
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM QPSK_RB1@23	21.16
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM QPSK_RB25@0	20.39
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM 16 QAM_RB25@0	19.31
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM 64 QAM_RB25@0	18.79
n7_5MHz_15kHz_2502.5MHz_DFT-s-OFDM 256 QAM_RB25@0	16.73
n7_5MHz_15kHz_2502.5MHz_CP-OFDM QPSK_RB1@1	19.70
n7_5MHz_15kHz_2502.5MHz_CP-OFDM QPSK_RB13@6	19.90
n7_5MHz_15kHz_2502.5MHz_CP-OFDM QPSK_RB1@23	19.85
n7_5MHz_15kHz_2502.5MHz_CP-OFDM QPSK_RB25@0	18.29
n7_5MHz_15kHz_2502.5MHz_CP-OFDM 16 QAM_RB25@0	18.41
n7_5MHz_15kHz_2502.5MHz_CP-OFDM 64 QAM_RB25@0	17.94
n7_5MHz_15kHz_2502.5MHz_CP-OFDM 256 QAM_RB25@0	14.78
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.62
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	21.66
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	21.75
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	21.26
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@1	21.72
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB12@6	21.66
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@23	21.86
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB25@0	20.90
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM 16 QAM_RB25@0	20.02
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM 64 QAM_RB25@0	19.55
n7_5MHz_15kHz_2535MHz_DFT-s-OFDM 256 QAM_RB25@0	16.70
n7_5MHz_15kHz_2535MHz_CP-OFDM QPSK_RB1@1	19.81
n7_5MHz_15kHz_2535MHz_CP-OFDM QPSK_RB13@6	20.12
n7_5MHz_15kHz_2535MHz_CP-OFDM QPSK_RB1@23	20.05
n7_5MHz_15kHz_2535MHz_CP-OFDM QPSK_RB25@0	18.47
n7_5MHz_15kHz_2535MHz_CP-OFDM 16 QAM_RB25@0	18.58
n7_5MHz_15kHz_2535MHz_CP-OFDM 64 QAM_RB25@0	18.01
n7_5MHz_15kHz_2535MHz_CP-OFDM 256 QAM_RB25@0	15.01

Mode	Conducted Average Power(dBm)
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	18.77
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	21.60
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	21.84
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	21.10
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM QPSK_RB1@1	21.72
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM QPSK_RB12@6	21.74
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM QPSK_RB1@23	21.77
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM QPSK_RB25@0	20.69
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM 16 QAM_RB25@0	19.72
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM 64 QAM_RB25@0	19.28
n7_5MHz_15kHz_2567.5MHz_DFT-s-OFDM 256 QAM_RB25@0	17.30
n7_5MHz_15kHz_2567.5MHz_CP-OFDM QPSK_RB1@1	20.20
n7_5MHz_15kHz_2567.5MHz_CP-OFDM QPSK_RB13@6	20.43
n7_5MHz_15kHz_2567.5MHz_CP-OFDM QPSK_RB1@23	20.29
n7_5MHz_15kHz_2567.5MHz_CP-OFDM QPSK_RB25@0	18.77
n7_5MHz_15kHz_2567.5MHz_CP-OFDM 16 QAM_RB25@0	18.87
n7_5MHz_15kHz_2567.5MHz_CP-OFDM 64 QAM_RB25@0	18.26
n7_5MHz_15kHz_2567.5MHz_CP-OFDM 256 QAM_RB25@0	15.37
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.01
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	21.16
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	21.40
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	20.73
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM QPSK_RB1@1	21.32
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM QPSK_RB25@12	21.38
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM QPSK_RB1@50	21.49
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM QPSK_RB50@0	20.47
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM 16 QAM_RB50@0	19.29
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM 64 QAM_RB50@0	18.98
n7_10MHz_15kHz_2505MHz_DFT-s-OFDM 256 QAM_RB50@0	16.82
n7_10MHz_15kHz_2505MHz_CP-OFDM QPSK_RB1@1	19.87
n7_10MHz_15kHz_2505MHz_CP-OFDM QPSK_RB26@13	19.95
n7_10MHz_15kHz_2505MHz_CP-OFDM QPSK_RB1@50	19.92
n7_10MHz_15kHz_2505MHz_CP-OFDM QPSK_RB52@0	18.41
n7_10MHz_15kHz_2505MHz_CP-OFDM 16 QAM_RB52@0	18.41
n7_10MHz_15kHz_2505MHz_CP-OFDM 64 QAM_RB52@0	18.00
n7_10MHz_15kHz_2505MHz_CP-OFDM 256 QAM_RB52@0	14.89

Mode	Conducted Average Power(dBm)
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.70
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	21.71
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	21.82
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	20.90
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@1	21.41
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB25@12	21.51
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@50	21.73
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB50@0	20.64
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM 16 QAM_RB50@0	19.55
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM 64 QAM_RB50@0	19.21
n7_10MHz_15kHz_2535MHz_DFT-s-OFDM 256 QAM_RB50@0	17.11
n7_10MHz_15kHz_2535MHz_CP-OFDM QPSK_RB1@1	19.99
n7_10MHz_15kHz_2535MHz_CP-OFDM QPSK_RB26@13	20.20
n7_10MHz_15kHz_2535MHz_CP-OFDM QPSK_RB1@50	20.17
n7_10MHz_15kHz_2535MHz_CP-OFDM QPSK_RB52@0	18.78
n7_10MHz_15kHz_2535MHz_CP-OFDM 16 QAM_RB52@0	18.33
n7_10MHz_15kHz_2535MHz_CP-OFDM 64 QAM_RB52@0	18.04
n7_10MHz_15kHz_2535MHz_CP-OFDM 256 QAM_RB52@0	14.95
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.69
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	21.70
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	21.94
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	21.22
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM QPSK_RB1@1	21.76
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM QPSK_RB25@12	21.80
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM QPSK_RB1@50	21.94
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM QPSK_RB50@0	20.82
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM 16 QAM_RB50@0	19.79
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM 64 QAM_RB50@0	19.37
n7_10MHz_15kHz_2565MHz_DFT-s-OFDM 256 QAM_RB50@0	17.29
n7_10MHz_15kHz_2565MHz_CP-OFDM QPSK_RB1@1	20.26
n7_10MHz_15kHz_2565MHz_CP-OFDM QPSK_RB26@13	20.37
n7_10MHz_15kHz_2565MHz_CP-OFDM QPSK_RB1@50	20.46
n7_10MHz_15kHz_2565MHz_CP-OFDM QPSK_RB52@0	18.99
n7_10MHz_15kHz_2565MHz_CP-OFDM 16 QAM_RB52@0	18.93
n7_10MHz_15kHz_2565MHz_CP-OFDM 64 QAM_RB52@0	18.47
n7_10MHz_15kHz_2565MHz_CP-OFDM 256 QAM_RB52@0	15.44

Mode	Conducted Average Power(dBm)
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.34
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	21.38
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	21.54
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	20.95
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM QPSK_RB1@1	21.49
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM QPSK_RB36@18	21.47
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM QPSK_RB1@77	21.54
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM QPSK_RB75@0	20.63
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM 16 QAM_RB75@0	19.63
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM 64 QAM_RB75@0	19.07
n7_15MHz_15kHz_2507.5MHz_DFT-s-OFDM 256 QAM_RB75@0	17.06
n7_15MHz_15kHz_2507.5MHz_CP-OFDM QPSK_RB1@1	20.06
n7_15MHz_15kHz_2507.5MHz_CP-OFDM QPSK_RB39@19	20.08
n7_15MHz_15kHz_2507.5MHz_CP-OFDM QPSK_RB1@77	20.00
n7_15MHz_15kHz_2507.5MHz_CP-OFDM QPSK_RB79@0	18.69
n7_15MHz_15kHz_2507.5MHz_CP-OFDM 16 QAM_RB79@0	18.52
n7_15MHz_15kHz_2507.5MHz_CP-OFDM 64 QAM_RB79@0	18.02
n7_15MHz_15kHz_2507.5MHz_CP-OFDM 256 QAM_RB79@0	15.09
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.80
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	21.88
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	21.89
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	21.39
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@1	21.78
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB36@18	21.99
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@77	21.90
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB75@0	20.88
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM 16 QAM_RB75@0	19.90
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM 64 QAM_RB75@0	19.39
n7_15MHz_15kHz_2535MHz_DFT-s-OFDM 256 QAM_RB75@0	17.33
n7_15MHz_15kHz_2535MHz_CP-OFDM QPSK_RB1@1	20.33
n7_15MHz_15kHz_2535MHz_CP-OFDM QPSK_RB39@19	20.33
n7_15MHz_15kHz_2535MHz_CP-OFDM QPSK_RB1@77	20.48
n7_15MHz_15kHz_2535MHz_CP-OFDM QPSK_RB79@0	18.94
n7_15MHz_15kHz_2535MHz_CP-OFDM 16 QAM_RB79@0	18.95
n7_15MHz_15kHz_2535MHz_CP-OFDM 64 QAM_RB79@0	18.35
n7_15MHz_15kHz_2535MHz_CP-OFDM 256 QAM_RB79@0	15.31

Mode	Conducted Average Power(dBm)
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.94
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	21.94
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	21.91
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	21.44
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM QPSK_RB1@1	21.85
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM QPSK_RB36@18	22.04
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM QPSK_RB1@77	21.90
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM QPSK_RB75@0	21.06
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM 16 QAM_RB75@0	20.10
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM 64 QAM_RB75@0	19.50
n7_15MHz_15kHz_2562.5MHz_DFT-s-OFDM 256 QAM_RB75@0	17.44
n7_15MHz_15kHz_2562.5MHz_CP-OFDM QPSK_RB1@1	20.40
n7_15MHz_15kHz_2562.5MHz_CP-OFDM QPSK_RB39@19	20.56
n7_15MHz_15kHz_2562.5MHz_CP-OFDM QPSK_RB1@77	20.41
n7_15MHz_15kHz_2562.5MHz_CP-OFDM QPSK_RB79@0	18.97
n7_15MHz_15kHz_2562.5MHz_CP-OFDM 16 QAM_RB79@0	18.96
n7_15MHz_15kHz_2562.5MHz_CP-OFDM 64 QAM_RB79@0	18.49
n7_15MHz_15kHz_2562.5MHz_CP-OFDM 256 QAM_RB79@0	15.53
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.13
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	21.25
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	21.31
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	20.80
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM QPSK_RB1@1	21.71
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM QPSK_RB50@25	21.80
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM QPSK_RB1@104	21.95
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM QPSK_RB100@0	20.87
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM 16 QAM_RB100@0	19.30
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM 64 QAM_RB100@0	18.95
n7_20MHz_15kHz_2510MHz_DFT-s-OFDM 256 QAM_RB100@0	16.99
n7_20MHz_15kHz_2510MHz_CP-OFDM QPSK_RB1@1	19.91
n7_20MHz_15kHz_2510MHz_CP-OFDM QPSK_RB53@26	19.95
n7_20MHz_15kHz_2510MHz_CP-OFDM QPSK_RB1@104	19.98
n7_20MHz_15kHz_2510MHz_CP-OFDM QPSK_RB106@0	18.59
n7_20MHz_15kHz_2510MHz_CP-OFDM 16 QAM_RB106@0	18.57
n7_20MHz_15kHz_2510MHz_CP-OFDM 64 QAM_RB106@0	18.01
n7_20MHz_15kHz_2510MHz_CP-OFDM 256 QAM_RB106@0	14.97

Mode	Conducted Average Power(dBm)
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.74
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	21.76
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	21.77
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	21.38
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@1	21.31
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB50@25	21.48
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@104	21.57
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.73
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	21.82
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	21.74
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	21.33
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@1	21.77
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB50@25	21.89
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB1@104	21.95
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM QPSK_RB100@0	21.08
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM 16 QAM_RB100@0	19.53
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM 64 QAM_RB100@0	19.10
n7_20MHz_15kHz_2535MHz_DFT-s-OFDM 256 QAM_RB100@0	17.19
n7_20MHz_15kHz_2535MHz_CP-OFDM QPSK_RB1@1	20.03
n7_20MHz_15kHz_2535MHz_CP-OFDM QPSK_RB53@26	20.15
n7_20MHz_15kHz_2535MHz_CP-OFDM QPSK_RB1@104	20.17
n7_20MHz_15kHz_2535MHz_CP-OFDM QPSK_RB106@0	18.61
n7_20MHz_15kHz_2535MHz_CP-OFDM 16 QAM_RB106@0	18.69
n7_20MHz_15kHz_2535MHz_CP-OFDM 64 QAM_RB106@0	18.19
n7_20MHz_15kHz_2535MHz_CP-OFDM 256 QAM_RB106@0	15.15
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	21.59
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	21.70
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	21.74
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	21.31
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM QPSK_RB1@1	21.81
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM QPSK_RB50@25	21.90
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM QPSK_RB1@104	21.82
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM QPSK_RB100@0	20.87
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM 16 QAM_RB100@0	19.87
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM 64 QAM_RB100@0	19.51
n7_20MHz_15kHz_2560MHz_DFT-s-OFDM 256 QAM_RB100@0	17.39

Mode	Conducted Average Power(dBm)
n7_20MHz_15kHz_2560MHz_CP-OFDM QPSK_RB1@1	20.30
n7_20MHz_15kHz_2560MHz_CP-OFDM QPSK_RB53@26	20.38
n7_20MHz_15kHz_2560MHz_CP-OFDM QPSK_RB1@104	20.22
n7_20MHz_15kHz_2560MHz_CP-OFDM QPSK_RB106@0	18.90
n7_20MHz_15kHz_2560MHz_CP-OFDM 16 QAM_RB106@0	18.91
n7_20MHz_15kHz_2560MHz_CP-OFDM 64 QAM_RB106@0	18.46
n7_20MHz_15kHz_2560MHz_CP-OFDM 256 QAM_RB106@0	15.35

5G NR n26:

Mode	Conducted Average Power(dBm)
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.53
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	23.40
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	23.24
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	22.71
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM QPSK_RB1@1	23.69
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM QPSK_RB12@6	23.15
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM QPSK_RB1@23	23.22
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM QPSK_RB25@0	22.35
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM 16 QAM_RB25@0	21.23
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM 64 QAM_RB25@0	20.66
n26_5MHz_15kHz_816.5MHz_DFT-s-OFDM 256 QAM_RB25@0	18.51
n26_5MHz_15kHz_816.5MHz_CP-OFDM QPSK_RB1@1	21.63
n26_5MHz_15kHz_816.5MHz_CP-OFDM QPSK_RB13@6	21.98
n26_5MHz_15kHz_816.5MHz_CP-OFDM QPSK_RB1@23	21.51
n26_5MHz_15kHz_816.5MHz_CP-OFDM QPSK_RB25@0	20.12
n26_5MHz_15kHz_816.5MHz_CP-OFDM 16 QAM_RB25@0	20.27
n26_5MHz_15kHz_816.5MHz_CP-OFDM 64 QAM_RB25@0	19.69
n26_5MHz_15kHz_816.5MHz_CP-OFDM 256 QAM_RB25@0	17.21
n26_5MHz_15kHz_819MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.37
n26_5MHz_15kHz_819MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	23.48
n26_5MHz_15kHz_819MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	23.29
n26_5MHz_15kHz_819MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	22.88
n26_5MHz_15kHz_819MHz_DFT-s-OFDM QPSK_RB1@1	23.31
n26_5MHz_15kHz_819MHz_DFT-s-OFDM QPSK_RB12@6	23.22
n26_5MHz_15kHz_819MHz_DFT-s-OFDM QPSK_RB1@23	23.28
n26_5MHz_15kHz_819MHz_DFT-s-OFDM QPSK_RB25@0	22.30
n26_5MHz_15kHz_819MHz_DFT-s-OFDM 16 QAM_RB25@0	21.37
n26_5MHz_15kHz_819MHz_DFT-s-OFDM 64 QAM_RB25@0	21.10
n26_5MHz_15kHz_819MHz_DFT-s-OFDM 256 QAM_RB25@0	18.62
n26_5MHz_15kHz_819MHz_CP-OFDM QPSK_RB1@1	21.67
n26_5MHz_15kHz_819MHz_CP-OFDM QPSK_RB13@6	21.83
n26_5MHz_15kHz_819MHz_CP-OFDM QPSK_RB1@23	21.81
n26_5MHz_15kHz_819MHz_CP-OFDM QPSK_RB25@0	20.44
n26_5MHz_15kHz_819MHz_CP-OFDM 16 QAM_RB25@0	20.49
n26_5MHz_15kHz_819MHz_CP-OFDM 64 QAM_RB25@0	19.77
n26_5MHz_15kHz_819MHz_CP-OFDM 256 QAM_RB25@0	17.10

Mode	Conducted Average Power(dBm)
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.41
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	23.58
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	23.36
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	22.84
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM QPSK_RB1@1	23.39
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM QPSK_RB12@6	23.31
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM QPSK_RB1@23	23.59
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM QPSK_RB25@0	22.32
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM 16 QAM_RB25@0	21.35
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM 64 QAM_RB25@0	20.98
n26_5MHz_15kHz_821.5MHz_DFT-s-OFDM 256 QAM_RB25@0	18.76
n26_5MHz_15kHz_821.5MHz_CP-OFDM QPSK_RB1@1	22.18
n26_5MHz_15kHz_821.5MHz_CP-OFDM QPSK_RB13@6	21.97
n26_5MHz_15kHz_821.5MHz_CP-OFDM QPSK_RB1@23	21.93
n26_5MHz_15kHz_821.5MHz_CP-OFDM QPSK_RB25@0	20.48
n26_5MHz_15kHz_821.5MHz_CP-OFDM 16 QAM_RB25@0	20.75
n26_5MHz_15kHz_821.5MHz_CP-OFDM 64 QAM_RB25@0	19.98
n26_5MHz_15kHz_821.5MHz_CP-OFDM 256 QAM_RB25@0	17.21
n26_10MHz_15kHz_819MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.48
n26_10MHz_15kHz_819MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	23.41
n26_10MHz_15kHz_819MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	23.31
n26_10MHz_15kHz_819MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	22.99
n26_10MHz_15kHz_819MHz_DFT-s-OFDM QPSK_RB1@1	23.54
n26_10MHz_15kHz_819MHz_DFT-s-OFDM QPSK_RB25@12	23.39
n26_10MHz_15kHz_819MHz_DFT-s-OFDM QPSK_RB1@50	23.33
n26_10MHz_15kHz_819MHz_DFT-s-OFDM QPSK_RB50@0	22.38
n26_10MHz_15kHz_819MHz_DFT-s-OFDM 16 QAM_RB50@0	21.34
n26_10MHz_15kHz_819MHz_DFT-s-OFDM 64 QAM_RB50@0	20.95
n26_10MHz_15kHz_819MHz_DFT-s-OFDM 256 QAM_RB50@0	18.87
n26_10MHz_15kHz_819MHz_CP-OFDM QPSK_RB1@1	22.03
n26_10MHz_15kHz_819MHz_CP-OFDM QPSK_RB26@13	21.87
n26_10MHz_15kHz_819MHz_CP-OFDM QPSK_RB1@50	21.89
n26_10MHz_15kHz_819MHz_CP-OFDM QPSK_RB52@0	20.49
n26_10MHz_15kHz_819MHz_CP-OFDM 16 QAM_RB52@0	20.35
n26_10MHz_15kHz_819MHz_CP-OFDM 64 QAM_RB52@0	19.95
n26_10MHz_15kHz_819MHz_CP-OFDM 256 QAM_RB52@0	17.31

Mode	Conducted Average Power(dBm)
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM QPSK_RB75@0	22.33
n26_15MHz_15kHz_821.5MHz_CP-OFDM QPSK_RB79@0	20.29
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM 16 QAM_RB75@0	21.39
n26_15MHz_15kHz_821.5MHz_CP-OFDM 256 QAM_RB79@0	17.30
n26_15MHz_15kHz_821.5MHz_CP-OFDM 16 QAM_RB79@0	20.38
n26_15MHz_15kHz_821.5MHz_CP-OFDM QPSK_RB1@1	21.93
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM 256 QAM_RB75@0	18.75
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM QPSK_RB36@18	23.33
n26_15MHz_15kHz_821.5MHz_CP-OFDM QPSK_RB1@77	21.64
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	25.03
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM QPSK_RB1@1	23.48
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM 64 QAM_RB75@0	20.86
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	24.90
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	24.42
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	18.70
n26_15MHz_15kHz_821.5MHz_CP-OFDM QPSK_RB39@19	21.76
n26_15MHz_15kHz_821.5MHz_DFT-s-OFDM QPSK_RB1@77	23.33
n26_15MHz_15kHz_821.5MHz_CP-OFDM 64 QAM_RB79@0	19.72
n26_5MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.64
n26_5MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	23.61
n26_5MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	23.65
n26_5MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	23.14
n26_5MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB1@1	23.80
n26_5MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB12@6	23.70
n26_5MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB1@23	23.70
n26_5MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB25@0	22.64
n26_5MHz_15kHz_824MHz_DFT-s-OFDM 16 QAM_RB25@0	21.65
n26_5MHz_15kHz_824MHz_DFT-s-OFDM 64 QAM_RB25@0	21.25
n26_5MHz_15kHz_824MHz_DFT-s-OFDM 256 QAM_RB25@0	19.06
n26_5MHz_15kHz_824MHz_CP-OFDM QPSK_RB1@1	22.23
n26_5MHz_15kHz_824MHz_CP-OFDM QPSK_RB13@6	22.16
n26_5MHz_15kHz_824MHz_CP-OFDM QPSK_RB1@23	21.95
n26_5MHz_15kHz_824MHz_CP-OFDM QPSK_RB25@0	20.60
n26_5MHz_15kHz_824MHz_CP-OFDM 16 QAM_RB25@0	20.76
n26_5MHz_15kHz_824MHz_CP-OFDM 64 QAM_RB25@0	20.26
n26_5MHz_15kHz_824MHz_CP-OFDM 256 QAM_RB25@0	17.38

Mode	Conducted Average Power(dBm)
n26_10MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.67
n26_10MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	23.62
n26_10MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	23.69
n26_10MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	23.21
n26_10MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB1@1	23.74
n26_10MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB25@12	23.68
n26_10MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB1@50	23.47
n26_10MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB50@0	22.69
n26_10MHz_15kHz_824MHz_DFT-s-OFDM 16 QAM_RB50@0	21.62
n26_10MHz_15kHz_824MHz_DFT-s-OFDM 64 QAM_RB50@0	21.21
n26_10MHz_15kHz_824MHz_DFT-s-OFDM 256 QAM_RB50@0	19.22
n26_10MHz_15kHz_824MHz_CP-OFDM QPSK_RB1@1	21.99
n26_10MHz_15kHz_824MHz_CP-OFDM QPSK_RB26@13	22.13
n26_10MHz_15kHz_824MHz_CP-OFDM QPSK_RB1@50	22.16
n26_10MHz_15kHz_824MHz_CP-OFDM QPSK_RB52@0	20.73
n26_10MHz_15kHz_824MHz_CP-OFDM 16 QAM_RB52@0	20.71
n26_10MHz_15kHz_824MHz_CP-OFDM 64 QAM_RB52@0	20.33
n26_10MHz_15kHz_824MHz_CP-OFDM 256 QAM_RB52@0	17.47
n26_15MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.78
n26_15MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	23.61
n26_15MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	23.61
n26_15MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	23.07
n26_15MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB1@1	23.65
n26_15MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB36@18	23.58
n26_15MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB1@77	23.55
n26_15MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB75@0	22.49
n26_15MHz_15kHz_824MHz_DFT-s-OFDM 16 QAM_RB75@0	21.64
n26_15MHz_15kHz_824MHz_DFT-s-OFDM 64 QAM_RB75@0	21.07
n26_15MHz_15kHz_824MHz_DFT-s-OFDM 256 QAM_RB75@0	19.11
n26_15MHz_15kHz_824MHz_CP-OFDM QPSK_RB1@1	22.06
n26_15MHz_15kHz_824MHz_CP-OFDM QPSK_RB39@19	22.08
n26_15MHz_15kHz_824MHz_CP-OFDM QPSK_RB1@77	21.97
n26_15MHz_15kHz_824MHz_CP-OFDM QPSK_RB79@0	20.70
n26_15MHz_15kHz_824MHz_CP-OFDM 16 QAM_RB79@0	20.54
n26_15MHz_15kHz_824MHz_CP-OFDM 64 QAM_RB79@0	20.00
n26_15MHz_15kHz_824MHz_CP-OFDM 256 QAM_RB79@0	17.46

Mode	Conducted Average Power(dBm)
n26_20MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.80
n26_20MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	23.66
n26_20MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	23.48
n26_20MHz_15kHz_824MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	23.06
n26_20MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB1@1	23.70
n26_20MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB50@25	23.63
n26_20MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB1@104	23.53
n26_20MHz_15kHz_824MHz_DFT-s-OFDM QPSK_RB100@0	22.56
n26_20MHz_15kHz_824MHz_DFT-s-OFDM 16 QAM_RB100@0	21.55
n26_20MHz_15kHz_824MHz_DFT-s-OFDM 64 QAM_RB100@0	21.08
n26_20MHz_15kHz_824MHz_DFT-s-OFDM 256 QAM_RB100@0	19.17
n26_20MHz_15kHz_824MHz_CP-OFDM QPSK_RB1@1	22.03
n26_20MHz_15kHz_824MHz_CP-OFDM QPSK_RB53@26	21.98
n26_20MHz_15kHz_824MHz_CP-OFDM QPSK_RB1@104	22.05
n26_20MHz_15kHz_824MHz_CP-OFDM QPSK_RB106@0	20.49
n26_20MHz_15kHz_824MHz_CP-OFDM 16 QAM_RB106@0	20.56
n26_20MHz_15kHz_824MHz_CP-OFDM 64 QAM_RB106@0	20.00
n26_20MHz_15kHz_824MHz_CP-OFDM 256 QAM_RB106@0	17.46
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.02
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	23.91
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	23.92
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	23.21
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM QPSK_RB1@1	23.78
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM QPSK_RB12@6	23.91
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM QPSK_RB1@23	23.79
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM QPSK_RB25@0	22.80
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM 16 QAM_RB25@0	21.82
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM 64 QAM_RB25@0	21.40
n26_5MHz_15kHz_826.5MHz_DFT-s-OFDM 256 QAM_RB25@0	19.26
n26_5MHz_15kHz_826.5MHz_CP-OFDM QPSK_RB1@1	22.30
n26_5MHz_15kHz_826.5MHz_CP-OFDM QPSK_RB13@6	22.19
n26_5MHz_15kHz_826.5MHz_CP-OFDM QPSK_RB1@23	22.24
n26_5MHz_15kHz_826.5MHz_CP-OFDM QPSK_RB25@0	20.69
n26_5MHz_15kHz_826.5MHz_CP-OFDM 16 QAM_RB25@0	20.91
n26_5MHz_15kHz_826.5MHz_CP-OFDM 64 QAM_RB25@0	20.21
n26_5MHz_15kHz_826.5MHz_CP-OFDM 256 QAM_RB25@0	17.53

Mode	Conducted Average Power(dBm)
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.99
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	23.87
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	23.88
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	23.32
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@1	24.00
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB12@6	23.96
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@23	24.00
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB25@0	22.91
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM 16 QAM_RB25@0	21.90
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM 64 QAM_RB25@0	21.46
n26_5MHz_15kHz_836.5MHz_DFT-s-OFDM 256 QAM_RB25@0	19.40
n26_5MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@1	22.35
n26_5MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB13@6	22.47
n26_5MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@23	22.34
n26_5MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB25@0	20.93
n26_5MHz_15kHz_836.5MHz_CP-OFDM 16 QAM_RB25@0	20.94
n26_5MHz_15kHz_836.5MHz_CP-OFDM 64 QAM_RB25@0	20.45
n26_5MHz_15kHz_836.5MHz_CP-OFDM 256 QAM_RB25@0	17.33
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.82
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM PI/2 BPSK_RB12@6	23.82
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@23	23.72
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@0	23.29
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM QPSK_RB1@1	23.90
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM QPSK_RB12@6	23.80
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM QPSK_RB1@23	23.88
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM QPSK_RB25@0	22.75
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM 16 QAM_RB25@0	21.83
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM 64 QAM_RB25@0	21.32
n26_5MHz_15kHz_846.5MHz_DFT-s-OFDM 256 QAM_RB25@0	19.24
n26_5MHz_15kHz_846.5MHz_CP-OFDM QPSK_RB1@1	22.28
n26_5MHz_15kHz_846.5MHz_CP-OFDM QPSK_RB13@6	22.39
n26_5MHz_15kHz_846.5MHz_CP-OFDM QPSK_RB1@23	22.12
n26_5MHz_15kHz_846.5MHz_CP-OFDM QPSK_RB25@0	20.71
n26_5MHz_15kHz_846.5MHz_CP-OFDM 16 QAM_RB25@0	20.88
n26_5MHz_15kHz_846.5MHz_CP-OFDM 64 QAM_RB25@0	20.24

Mode	Conducted Average Power(dBm)
n26_5MHz_15kHz_846.5MHz_CP-OFDM 256 QAM_RB25@0	17.20
n26_10MHz_15kHz_829MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.90
n26_10MHz_15kHz_829MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	23.91
n26_10MHz_15kHz_829MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	23.92
n26_10MHz_15kHz_829MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	23.45
n26_10MHz_15kHz_829MHz_DFT-s-OFDM QPSK_RB1@1	23.95
n26_10MHz_15kHz_829MHz_DFT-s-OFDM QPSK_RB25@12	23.89
n26_10MHz_15kHz_829MHz_DFT-s-OFDM QPSK_RB1@50	23.88
n26_10MHz_15kHz_829MHz_DFT-s-OFDM QPSK_RB50@0	22.90
n26_10MHz_15kHz_829MHz_DFT-s-OFDM 16 QAM_RB50@0	21.84
n26_10MHz_15kHz_829MHz_DFT-s-OFDM 64 QAM_RB50@0	21.42
n26_10MHz_15kHz_829MHz_DFT-s-OFDM 256 QAM_RB50@0	19.36
n26_10MHz_15kHz_829MHz_CP-OFDM QPSK_RB1@1	22.22
n26_10MHz_15kHz_829MHz_CP-OFDM QPSK_RB26@13	22.34
n26_10MHz_15kHz_829MHz_CP-OFDM QPSK_RB1@50	22.49
n26_10MHz_15kHz_829MHz_CP-OFDM QPSK_RB52@0	20.88
n26_10MHz_15kHz_829MHz_CP-OFDM 16 QAM_RB52@0	20.93
n26_10MHz_15kHz_829MHz_CP-OFDM 64 QAM_RB52@0	20.42
n26_10MHz_15kHz_829MHz_CP-OFDM 256 QAM_RB52@0	17.34
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.09
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	23.92
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	24.00
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	23.42
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@1	23.93
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB25@12	23.87
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@50	24.00
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB50@0	22.86
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM 16 QAM_RB50@0	21.90
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM 64 QAM_RB50@0	21.43
n26_10MHz_15kHz_836.5MHz_DFT-s-OFDM 256 QAM_RB50@0	19.49
n26_10MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@1	22.40
n26_10MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB26@13	22.32
n26_10MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@50	22.47
n26_10MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB52@0	21.03
n26_10MHz_15kHz_836.5MHz_CP-OFDM 16 QAM_RB52@0	20.86

Mode	Conducted Average Power(dBm)
n26_10MHz_15kHz_836.5MHz_CP-OFDM 64 QAM_RB52@0	20.43
n26_10MHz_15kHz_836.5MHz_CP-OFDM 256 QAM_RB52@0	17.39
n26_10MHz_15kHz_844MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.01
n26_10MHz_15kHz_844MHz_DFT-s-OFDM PI/2 BPSK_RB25@12	23.95
n26_10MHz_15kHz_844MHz_DFT-s-OFDM PI/2 BPSK_RB1@50	23.91
n26_10MHz_15kHz_844MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	23.38
n26_10MHz_15kHz_844MHz_DFT-s-OFDM QPSK_RB1@1	24.03
n26_10MHz_15kHz_844MHz_DFT-s-OFDM QPSK_RB25@12	23.82
n26_10MHz_15kHz_844MHz_DFT-s-OFDM QPSK_RB1@50	23.89
n26_10MHz_15kHz_844MHz_DFT-s-OFDM QPSK_RB50@0	22.93
n26_10MHz_15kHz_844MHz_DFT-s-OFDM 16 QAM_RB50@0	21.86
n26_10MHz_15kHz_844MHz_DFT-s-OFDM 64 QAM_RB50@0	21.45
n26_10MHz_15kHz_844MHz_DFT-s-OFDM 256 QAM_RB50@0	19.46
n26_10MHz_15kHz_844MHz_CP-OFDM QPSK_RB1@1	22.29
n26_10MHz_15kHz_844MHz_CP-OFDM QPSK_RB26@13	22.37
n26_10MHz_15kHz_844MHz_CP-OFDM QPSK_RB1@50	22.23
n26_10MHz_15kHz_844MHz_CP-OFDM QPSK_RB52@0	20.87
n26_10MHz_15kHz_844MHz_CP-OFDM 16 QAM_RB52@0	20.92
n26_10MHz_15kHz_844MHz_CP-OFDM 64 QAM_RB52@0	20.56
n26_10MHz_15kHz_844MHz_CP-OFDM 256 QAM_RB52@0	17.31
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.98
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	23.94
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	23.88
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	23.49
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB1@1	23.95
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB36@18	23.99
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB1@77	23.87
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB75@0	22.94
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM 16 QAM_RB75@0	22.08
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM 64 QAM_RB75@0	21.51
n26_15MHz_15kHz_831.5MHz_DFT-s-OFDM 256 QAM_RB75@0	19.55
n26_15MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB1@1	22.49
n26_15MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB39@19	22.43
n26_15MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB1@77	22.34
n26_15MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB79@0	20.99

Mode	Conducted Average Power(dBm)
n26_15MHz_15kHz_831.5MHz_CP-OFDM 16 QAM_RB79@0	21.06
n26_15MHz_15kHz_831.5MHz_CP-OFDM 64 QAM_RB79@0	20.51
n26_15MHz_15kHz_831.5MHz_CP-OFDM 256 QAM_RB79@0	17.41
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.93
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	23.97
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	23.83
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	23.51
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@1	24.10
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB36@18	23.86
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB1@77	23.86
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM QPSK_RB75@0	22.89
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM 16 QAM_RB75@0	21.96
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM 64 QAM_RB75@0	21.46
n26_15MHz_15kHz_836.5MHz_DFT-s-OFDM 256 QAM_RB75@0	19.49
n26_15MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@1	22.39
n26_15MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB39@19	22.30
n26_15MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB1@77	22.36
n26_15MHz_15kHz_836.5MHz_CP-OFDM QPSK_RB79@0	20.89
n26_15MHz_15kHz_836.5MHz_CP-OFDM 16 QAM_RB79@0	20.86
n26_15MHz_15kHz_836.5MHz_CP-OFDM 64 QAM_RB79@0	20.35
n26_15MHz_15kHz_836.5MHz_CP-OFDM 256 QAM_RB79@0	17.38
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	23.96
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@18	23.87
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@77	23.82
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	23.39
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM QPSK_RB1@1	24.01
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM QPSK_RB36@18	23.88
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM QPSK_RB1@77	23.75
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM QPSK_RB75@0	22.86
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM 16 QAM_RB75@0	21.91
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM 64 QAM_RB75@0	21.40
n26_15MHz_15kHz_841.5MHz_DFT-s-OFDM 256 QAM_RB75@0	19.39
n26_15MHz_15kHz_841.5MHz_CP-OFDM QPSK_RB1@1	22.53
n26_15MHz_15kHz_841.5MHz_CP-OFDM QPSK_RB39@19	22.31
n26_15MHz_15kHz_841.5MHz_CP-OFDM QPSK_RB1@77	22.27

Mode	Conducted Average Power(dBm)
n26_15MHz_15kHz_841.5MHz_CP-OFDM_QPSK_RB79@0	20.92
n26_15MHz_15kHz_841.5MHz_CP-OFDM_16_QAM_RB79@0	20.85
n26_15MHz_15kHz_841.5MHz_CP-OFDM_64_QAM_RB79@0	20.38
n26_15MHz_15kHz_841.5MHz_CP-OFDM_256_QAM_RB79@0	17.28
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_PI/2_BPSK_RB1@1	24.02
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_PI/2_BPSK_RB50@25	23.98
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_PI/2_BPSK_RB1@104	23.82
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_PI/2_BPSK_RB100@0	23.59
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_QPSK_RB1@1	24.02
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_QPSK_RB50@25	24.00
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_QPSK_RB1@104	23.82
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_QPSK_RB100@0	23.06
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_16_QAM_RB100@0	21.99
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_64_QAM_RB100@0	21.54
n26_20MHz_15kHz_834MHz_DFT-s-OFDM_256_QAM_RB100@0	19.49
n26_20MHz_15kHz_834MHz_CP-OFDM_QPSK_RB1@1	22.50
n26_20MHz_15kHz_834MHz_CP-OFDM_QPSK_RB53@26	22.50
n26_20MHz_15kHz_834MHz_CP-OFDM_QPSK_RB1@104	22.29
n26_20MHz_15kHz_834MHz_CP-OFDM_QPSK_RB106@0	21.07
n26_20MHz_15kHz_834MHz_CP-OFDM_16_QAM_RB106@0	20.97
n26_20MHz_15kHz_834MHz_CP-OFDM_64_QAM_RB106@0	20.48
n26_20MHz_15kHz_834MHz_CP-OFDM_256_QAM_RB106@0	17.58
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_PI/2_BPSK_RB1@1	24.05
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_PI/2_BPSK_RB50@25	23.89
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_PI/2_BPSK_RB1@104	23.81
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_PI/2_BPSK_RB100@0	23.50
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_QPSK_RB1@1	24.11
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_QPSK_RB50@25	23.93
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_QPSK_RB1@104	23.88
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_QPSK_RB100@0	23.00
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_16_QAM_RB100@0	21.97
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_64_QAM_RB100@0	21.61
n26_20MHz_15kHz_836.5MHz_DFT-s-OFDM_256_QAM_RB100@0	19.47
n26_20MHz_15kHz_836.5MHz_CP-OFDM_QPSK_RB1@1	22.53
n26_20MHz_15kHz_836.5MHz_CP-OFDM_QPSK_RB53@26	22.34

Mode	Conducted Average Power(dBm)
n26_20MHz_15kHz_836.5MHz_CP-OFDM_QPSK_RB1@104	22.41
n26_20MHz_15kHz_836.5MHz_CP-OFDM_QPSK_RB106@0	20.97
n26_20MHz_15kHz_836.5MHz_CP-OFDM_16_QAM_RB106@0	20.96
n26_20MHz_15kHz_836.5MHz_CP-OFDM_64_QAM_RB106@0	20.58
n26_20MHz_15kHz_836.5MHz_CP-OFDM_256_QAM_RB106@0	17.50
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_PI/2_BPSK_RB1@1	23.94
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_PI/2_BPSK_RB50@25	23.97
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_PI/2_BPSK_RB1@104	23.72
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_PI/2_BPSK_RB100@0	23.40
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_QPSK_RB1@1	24.06
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_QPSK_RB50@25	23.93
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_QPSK_RB1@104	23.74
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_QPSK_RB100@0	23.02
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_16_QAM_RB100@0	21.96
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_64_QAM_RB100@0	21.51
n26_20MHz_15kHz_839MHz_DFT-s-OFDM_256_QAM_RB100@0	19.43
n26_20MHz_15kHz_839MHz_CP-OFDM_QPSK_RB1@1	22.49
n26_20MHz_15kHz_839MHz_CP-OFDM_QPSK_RB53@26	22.46
n26_20MHz_15kHz_839MHz_CP-OFDM_QPSK_RB1@104	22.21
n26_20MHz_15kHz_839MHz_CP-OFDM_QPSK_RB106@0	20.91
n26_20MHz_15kHz_839MHz_CP-OFDM_16_QAM_RB106@0	20.93
n26_20MHz_15kHz_839MHz_CP-OFDM_64_QAM_RB106@0	20.45
n26_20MHz_15kHz_839MHz_CP-OFDM_256_QAM_RB106@0	17.47

Mode	Conducted Average Power(dBm)
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@1	24.93
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB50@25	24.92
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB1@104	24.80
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	24.39
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB1@1	25.01
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB50@25	24.87
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB1@104	24.79
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM QPSK_RB100@0	24.04
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM 16 QAM_RB100@0	23.00
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM 64 QAM_RB100@0	22.54
n26_20MHz_15kHz_831.5MHz_DFT-s-OFDM 256 QAM_RB100@0	20.42
n26_20MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB1@1	23.53
n26_20MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB53@26	23.48
n26_20MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB1@104	23.18
n26_20MHz_15kHz_831.5MHz_CP-OFDM QPSK_RB106@0	21.98
n26_20MHz_15kHz_831.5MHz_CP-OFDM 16 QAM_RB106@0	21.97
n26_20MHz_15kHz_831.5MHz_CP-OFDM 64 QAM_RB106@0	21.43
n26_20MHz_15kHz_831.5MHz_CP-OFDM 256 QAM_RB106@0	18.50

5G NR n38:

Mode	Conducted Average Power(dBm)
n38_20MHz_30kHz_2580MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.67
n38_20MHz_30kHz_2580MHz_DFT-s-OFDMPI/2BPSK_RB25@12	22.73
n38_20MHz_30kHz_2580MHz_DFT-s-OFDMPI/2BPSK_RB1@49	22.97
n38_20MHz_30kHz_2580MHz_DFT-s-OFDMPI/2BPSK_RB50@0	22.18
n38_20MHz_30kHz_2580MHz_DFT-s-OFDMQPSK_RB1@1	22.67
n38_20MHz_30kHz_2580MHz_DFT-s-OFDMQPSK_RB25@12	22.89
n38_20MHz_30kHz_2580MHz_DFT-s-OFDM QPSK_RB1@49	22.95
n38_20MHz_30kHz_2580MHz_DFT-s-OFDMQPSK_RB50@0	21.84
n38_20MHz_30kHz_2580MHz_DFT-s-OFDM 16QAM_RB50@0	20.94
n38_20MHz_30kHz_2580MHz_DFT-s-OFDM 64QAM_RB50@0	20.32
n38_20MHz_30kHz_2580MHz_DFT-s-OFDM 256QAM_RB50@0	18.34
n38_20MHz_30kHz_2580MHz_CP-OFDM QPSK_RB1@1	21.28
n38_20MHz_30kHz_2580MHz_CP-OFDMQPSK_RB25@12	21.47
n38_20MHz_30kHz_2580MHz_CP-OFDM QPSK_RB1@49	21.61
n38_20MHz_30kHz_2580MHz_CP-OFDM QPSK_RB51@0	19.92
n38_20MHz_30kHz_2580MHz_CP-OFDM 16QAM_RB51@0	19.89
n38_20MHz_30kHz_2580MHz_CP-OFDM 64QAM_RB51@0	19.46
n38_20MHz_30kHz_2580MHz_CP-OFDM256QAM_RB51@0	16.27
n38_20MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.94
n38_20MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB25@12	23.09
n38_20MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@49	23.18
n38_20MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB50@0	22.54
n38_20MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB1@1	23.08
n38_20MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB25@12	23.15
n38_20MHz_30kHz_2595MHz_DFT-s-OFDM QPSK_RB1@49	23.20
n38_20MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB50@0	22.16
n38_20MHz_30kHz_2595MHz_DFT-s-OFDM 16QAM_RB50@0	20.97
n38_20MHz_30kHz_2595MHz_DFT-s-OFDM 64QAM_RB50@0	20.36
n38_20MHz_30kHz_2595MHz_DFT-s-OFDM 256QAM_RB50@0	18.47
n38_20MHz_30kHz_2595MHz_CP-OFDM QPSK_RB1@1	21.18
n38_20MHz_30kHz_2595MHz_CP-OFDMQPSK_RB25@12	21.48
n38_20MHz_30kHz_2595MHz_CP-OFDM QPSK_RB1@49	21.49
n38_20MHz_30kHz_2595MHz_CP-OFDM QPSK_RB51@0	20.00
n38_20MHz_30kHz_2595MHz_CP-OFDM 16QAM_RB51@0	19.92
n38_20MHz_30kHz_2595MHz_CP-OFDM 64QAM_RB51@0	19.43
n38_20MHz_30kHz_2595MHz_CP-OFDM256QAM_RB51@0	16.47

Mode	Conducted Average Power(dBm)
n38_20MHz_30kHz_2610MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.97
n38_20MHz_30kHz_2610MHz_DFT-s-OFDMPI/2BPSK_RB25@12	23.15
n38_20MHz_30kHz_2610MHz_DFT-s-OFDMPI/2BPSK_RB1@49	23.23
n38_20MHz_30kHz_2610MHz_DFT-s-OFDMPI/2BPSK_RB50@0	22.53
n38_20MHz_30kHz_2610MHz_DFT-s-OFDMQPSK_RB1@1	22.88
n38_20MHz_30kHz_2610MHz_DFT-s-OFDMQPSK_RB25@12	23.15
n38_20MHz_30kHz_2610MHz_DFT-s-OFDM QPSK_RB1@49	23.19
n38_20MHz_30kHz_2610MHz_DFT-s-OFDMQPSK_RB50@0	22.09
n38_20MHz_30kHz_2610MHz_DFT-s-OFDM 16QAM_RB50@0	21.11
n38_20MHz_30kHz_2610MHz_DFT-s-OFDM 64QAM_RB50@0	20.63
n38_20MHz_30kHz_2610MHz_DFT-s-OFDM 256QAM_RB50@0	18.71
n38_20MHz_30kHz_2610MHz_CP-OFDM QPSK_RB1@1	21.47
n38_20MHz_30kHz_2610MHz_CP-OFDMQPSK_RB25@12	21.84
n38_20MHz_30kHz_2610MHz_CP-OFDM QPSK_RB1@49	21.74
n38_20MHz_30kHz_2610MHz_CP-OFDM QPSK_RB51@0	20.13
n38_20MHz_30kHz_2610MHz_CP-OFDM 16QAM_RB51@0	20.21
n38_20MHz_30kHz_2610MHz_CP-OFDM 64QAM_RB51@0	19.58
n38_20MHz_30kHz_2610MHz_CP-OFDM256QAM_RB51@0	16.59

5G NR n41:

Mode	Conducted Average Power(dBm)
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDM PI/2BPSK_RB1@1	21.85
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDMPI/2BPSK_RB50@25	22.17
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDMPI/2BPSK_RB1@104	22.29
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDMPI/2BPSK_RB100@0	22.21
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDMQPSK_RB1@1	21.97
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDMQPSK_RB50@25	22.13
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDMQPSK_RB1@104	22.30
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDMQPSK_RB100@0	22.21
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDM16QAM_RB100@0	22.17
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDM64QAM_RB100@0	21.95
n41_40MHz_30kHz_2555.01MHz_DFT-s-OFDM256QAM_RB100@0	19.83
n41_40MHz_30kHz_2555.01MHz_CP-OFDMQPSK_RB1@1	21.99
n41_40MHz_30kHz_2555.01MHz_CP-OFDM QPSK_RB53@26	22.27
n41_40MHz_30kHz_2555.01MHz_CP-OFDM QPSK_RB1@104	22.60
n41_40MHz_30kHz_2555.01MHz_CP-OFDMQPSK_RB106@0	21.42
n41_40MHz_30kHz_2555.01MHz_CP-OFDM 16QAM_RB106@0	21.33
n41_40MHz_30kHz_2555.01MHz_CP-OFDM 64QAM_RB106@0	20.91
n41_40MHz_30kHz_2555.01MHz_CP-OFDM256QAM_RB106@0	17.80
n41_40MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.35
n41_40MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB50@25	22.35
n41_40MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@104	22.56
n41_40MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB100@0	22.43
n41_40MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB1@1	22.15
n41_40MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB50@25	22.27
n41_40MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB1@104	22.43
n41_40MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB100@0	22.43
n41_40MHz_30kHz_2595MHz_DFT-s-OFDM 16QAM_RB100@0	22.39
n41_40MHz_30kHz_2595MHz_DFT-s-OFDM 64QAM_RB100@0	22.02
n41_40MHz_30kHz_2595MHz_DFT-s-OFDM256QAM_RB100@0	20.03
n41_40MHz_30kHz_2595MHz_CP-OFDM QPSK_RB1@1	22.11
n41_40MHz_30kHz_2595MHz_CP-OFDMQPSK_RB53@26	22.32
n41_40MHz_30kHz_2595MHz_CP-OFDMQPSK_RB1@104	22.38
n41_40MHz_30kHz_2595MHz_CP-OFDMQPSK_RB106@0	21.36
n41_40MHz_30kHz_2595MHz_CP-OFDM16QAM_RB106@0	21.38
n41_40MHz_30kHz_2595MHz_CP-OFDM64QAM_RB106@0	20.94
n41_40MHz_30kHz_2595MHz_CP-OFDM256QAM_RB106@0	18.03

Mode	Conducted Average Power(dBm)
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDM PI/2BPSK_RB1@1	22.10
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDMPI/2BPSK_RB50@25	22.42
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDMPI/2BPSK_RB1@104	22.40
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDMPI/2BPSK_RB100@0	22.37
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDMQPSK_RB1@1	22.12
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDMQPSK_RB50@25	22.45
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDMQPSK_RB1@104	22.16
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDMQPSK_RB100@0	22.25
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDM16QAM_RB100@0	22.09
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDM64QAM_RB100@0	21.72
n41_40MHz_30kHz_2634.99MHz_DFT-s-OFDM256QAM_RB100@0	19.73
n41_40MHz_30kHz_2634.99MHz_CP-OFDMQPSK_RB1@1	21.88
n41_40MHz_30kHz_2634.99MHz_CP-OFDM QPSK_RB53@26	22.16
n41_40MHz_30kHz_2634.99MHz_CP-OFDM QPSK_RB1@104	22.21
n41_40MHz_30kHz_2634.99MHz_CP-OFDMQPSK_RB106@0	21.23
n41_40MHz_30kHz_2634.99MHz_CP-OFDM 16QAM_RB106@0	21.25
n41_40MHz_30kHz_2634.99MHz_CP-OFDM 64QAM_RB106@0	20.76
n41_40MHz_30kHz_2634.99MHz_CP-OFDM256QAM_RB106@0	17.73
n41_60MHz_30kHz_2565MHz_DFT-s-OFDMPI/2BPSK_RB1@1	21.84
n41_60MHz_30kHz_2565MHz_DFT-s-OFDMPI/2BPSK_RB81@40	22.02
n41_60MHz_30kHz_2565MHz_DFT-s-OFDMPI/2BPSK_RB1@160	22.19
n41_60MHz_30kHz_2565MHz_DFT-s-OFDMPI/2BPSK_RB162@0	21.99
n41_60MHz_30kHz_2565MHz_DFT-s-OFDMQPSK_RB1@1	21.89
n41_60MHz_30kHz_2565MHz_DFT-s-OFDMQPSK_RB81@40	21.96
n41_60MHz_30kHz_2565MHz_DFT-s-OFDMQPSK_RB1@160	22.13
n41_60MHz_30kHz_2565MHz_DFT-s-OFDMQPSK_RB162@0	22.04
n41_60MHz_30kHz_2565MHz_DFT-s-OFDM 16QAM_RB162@0	21.99
n41_60MHz_30kHz_2565MHz_DFT-s-OFDM 64QAM_RB162@0	21.56
n41_60MHz_30kHz_2565MHz_DFT-s-OFDM256QAM_RB162@0	19.66
n41_60MHz_30kHz_2565MHz_CP-OFDM QPSK_RB1@1	21.85
n41_60MHz_30kHz_2565MHz_CP-OFDMQPSK_RB81@40	22.07
n41_60MHz_30kHz_2565MHz_CP-OFDMQPSK_RB1@160	22.04
n41_60MHz_30kHz_2565MHz_CP-OFDMQPSK_RB162@0	21.11
n41_60MHz_30kHz_2565MHz_CP-OFDM16QAM_RB162@0	21.12
n41_60MHz_30kHz_2565MHz_CP-OFDM64QAM_RB162@0	20.61
n41_60MHz_30kHz_2565MHz_CP-OFDM256QAM_RB162@0	17.76

Mode	Conducted Average Power(dBm)
n41_60MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@1	21.98
n41_60MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB81@40	22.05
n41_60MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@160	22.14
n41_60MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB162@0	22.12
n41_60MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB1@1	21.87
n41_60MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB81@40	22.07
n41_60MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB1@160	22.14
n41_60MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB162@0	22.10
n41_60MHz_30kHz_2595MHz_DFT-s-OFDM 16QAM_RB162@0	22.12
n41_60MHz_30kHz_2595MHz_DFT-s-OFDM 64QAM_RB162@0	21.67
n41_60MHz_30kHz_2595MHz_DFT-s-OFDM256QAM_RB162@0	19.71
n41_60MHz_30kHz_2595MHz_CP-OFDM QPSK_RB1@1	21.82
n41_60MHz_30kHz_2595MHz_CP-OFDMQPSK_RB81@40	22.11
n41_60MHz_30kHz_2595MHz_CP-OFDMQPSK_RB1@160	22.10
n41_60MHz_30kHz_2595MHz_CP-OFDMQPSK_RB162@0	21.14
n41_60MHz_30kHz_2595MHz_CP-OFDM16QAM_RB162@0	21.22
n41_60MHz_30kHz_2595MHz_CP-OFDM64QAM_RB162@0	20.74
n41_60MHz_30kHz_2595MHz_CP-OFDM256QAM_RB162@0	17.76
n41_60MHz_30kHz_2625MHz_DFT-s-OFDMPI/2BPSK_RB1@1	21.96
n41_60MHz_30kHz_2625MHz_DFT-s-OFDMPI/2BPSK_RB81@40	21.73
n41_60MHz_30kHz_2625MHz_DFT-s-OFDMPI/2BPSK_RB1@160	21.99
n41_60MHz_30kHz_2625MHz_DFT-s-OFDMPI/2BPSK_RB162@0	21.84
n41_60MHz_30kHz_2625MHz_DFT-s-OFDMQPSK_RB1@1	21.68
n41_60MHz_30kHz_2625MHz_DFT-s-OFDMQPSK_RB81@40	21.87
n41_60MHz_30kHz_2625MHz_DFT-s-OFDMQPSK_RB1@160	21.88
n41_60MHz_30kHz_2625MHz_DFT-s-OFDMQPSK_RB162@0	21.87
n41_60MHz_30kHz_2625MHz_DFT-s-OFDM 16QAM_RB162@0	21.83
n41_60MHz_30kHz_2625MHz_DFT-s-OFDM 64QAM_RB162@0	21.47
n41_60MHz_30kHz_2625MHz_DFT-s-OFDM256QAM_RB162@0	19.52
n41_60MHz_30kHz_2625MHz_CP-OFDM QPSK_RB1@1	21.79
n41_60MHz_30kHz_2625MHz_CP-OFDMQPSK_RB81@40	21.94
n41_60MHz_30kHz_2625MHz_CP-OFDMQPSK_RB1@160	22.07
n41_60MHz_30kHz_2625MHz_CP-OFDMQPSK_RB162@0	20.97
n41_60MHz_30kHz_2625MHz_CP-OFDM16QAM_RB162@0	20.96
n41_60MHz_30kHz_2625MHz_CP-OFDM64QAM_RB162@0	20.54
n41_60MHz_30kHz_2625MHz_CP-OFDM256QAM_RB162@0	17.41

Mode	Conducted Average Power(dBm)
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDM PI/2BPSK_RB1@1	21.40
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDMPI/2BPSK_RB108@54	21.66
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDMPI/2BPSK_RB1@215	21.68
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDMPI/2BPSK_RB216@0	21.60
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDMQPSK_RB1@1	21.37
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDMQPSK_RB108@54	21.63
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDMQPSK_RB1@215	21.64
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDM PI/2BPSK_RB1@1	21.36
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDMPI/2BPSK_RB108@54	21.61
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDMQPSK_RB216@0	21.68
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDM16QAM_RB216@0	21.71
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDM64QAM_RB216@0	21.37
n41_80MHz_30kHz_2575.02MHz_DFT-s-OFDM256QAM_RB216@0	19.21
n41_80MHz_30kHz_2575.02MHz_CP-OFDMQPSK_RB1@1	21.49
n41_80MHz_30kHz_2575.02MHz_CP-OFDMQPSK_RB109@54	21.75
n41_80MHz_30kHz_2575.02MHz_CP-OFDM QPSK_RB1@215	21.68
n41_80MHz_30kHz_2575.02MHz_CP-OFDMQPSK_RB217@0	20.80
n41_80MHz_30kHz_2575.02MHz_CP-OFDM 16QAM_RB217@0	20.74
n41_80MHz_30kHz_2575.02MHz_CP-OFDM 64QAM_RB217@0	20.35
n41_80MHz_30kHz_2575.02MHz_CP-OFDM256QAM_RB217@0	17.41
n41_80MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@1	21.51
n41_80MHz_30kHz_2595MHz_DFT-s-OFDM PI/2BPSK_RB108@54	21.77
n41_80MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@215	22.04
n41_80MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB216@0	21.85
n41_80MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB1@1	21.50
n41_80MHz_30kHz_2595MHz_DFT-s-OFDM QPSK_RB108@54	21.83
n41_80MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB1@215	21.92
n41_80MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB216@0	21.80
n41_80MHz_30kHz_2595MHz_DFT-s-OFDM 16QAM_RB216@0	21.75
n41_80MHz_30kHz_2595MHz_DFT-s-OFDM 64QAM_RB216@0	21.32
n41_80MHz_30kHz_2595MHz_DFT-s-OFDM256QAM_RB216@0	19.35
n41_80MHz_30kHz_2595MHz_CP-OFDM QPSK_RB1@1	21.46
n41_80MHz_30kHz_2595MHz_CP-OFDMQPSK_RB109@54	21.81
n41_80MHz_30kHz_2595MHz_CP-OFDMQPSK_RB1@215	21.88
n41_80MHz_30kHz_2595MHz_CP-OFDMQPSK_RB217@0	20.94
n41_80MHz_30kHz_2595MHz_CP-OFDM16QAM_RB217@0	20.91

Mode	Conducted Average Power(dBm)
n41_80MHz_30kHz_2595MHz_CP-OFDM64QAM_RB217@0	20.44
n41_80MHz_30kHz_2595MHz_CP-OFDM256QAM_RB217@0	17.38
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDM PI/2BPSK_RB1@1	21.56
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDMPI/2BPSK_RB108@54	21.88
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDMPI/2BPSK_RB1@215	21.95
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDMPI/2BPSK_RB216@0	21.84
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDMQPSK_RB1@1	21.62
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDMQPSK_RB108@54	21.90
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDMQPSK_RB1@215	22.00
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDMQPSK_RB216@0	21.87
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDM16QAM_RB216@0	21.90
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDM64QAM_RB216@0	21.42
n41_80MHz_30kHz_2614.98MHz_DFT-s-OFDM256QAM_RB216@0	19.49
n41_80MHz_30kHz_2614.98MHz_CP-OFDMQPSK_RB1@1	21.61
n41_80MHz_30kHz_2614.98MHz_CP-OFDMQPSK_RB109@54	21.95
n41_80MHz_30kHz_2614.98MHz_CP-OFDM QPSK_RB1@215	21.97
n41_80MHz_30kHz_2614.98MHz_CP-OFDMQPSK_RB217@0	20.97
n41_80MHz_30kHz_2614.98MHz_CP-OFDM 16QAM_RB217@0	20.94
n41_80MHz_30kHz_2614.98MHz_CP-OFDM 64QAM_RB217@0	20.51
n41_80MHz_30kHz_2614.98MHz_CP-OFDM256QAM_RB217@0	17.46
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDM PI/2BPSK_RB1@1	21.58
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDM PI/2BPSK_RB135@67	21.73
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDMPI/2BPSK_RB1@271	22.01
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDMPI/2BPSK_RB270@0	21.82
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDMQPSK_RB1@1	21.49
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDMQPSK_RB135@67	21.84
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDMQPSK_RB1@271	21.92
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDMQPSK_RB270@0	21.73
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDM16QAM_RB270@0	21.81
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDM64QAM_RB270@0	21.46
n41_100MHz_30kHz_2585.01MHz_DFT-s-OFDM 256QAM_RB270@0	19.43
n41_100MHz_30kHz_2585.01MHz_CP-OFDM QPSK_RB1@1	21.59
n41_100MHz_30kHz_2585.01MHz_CP-OFDM QPSK_RB137@68	21.84
n41_100MHz_30kHz_2585.01MHz_CP-OFDMQPSK_RB1@271	21.97
n41_100MHz_30kHz_2585.01MHz_CP-OFDMQPSK_RB273@0	20.94
n41_100MHz_30kHz_2585.01MHz_CP-OFDM 16QAM_RB273@0	20.93

Mode	Conducted Average Power(dBm)
n41_100MHz_30kHz_2585.01MHz_CP-OFDM 64QAM_RB273@0	20.47
n41_100MHz_30kHz_2585.01MHz_CP-OFDM256QAM_RB273@0	17.39
n41_100MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@1	21.59
n41_100MHz_30kHz_2595MHz_DFT-s-OFDM PI/2BPSK_RB135@67	21.90
n41_100MHz_30kHz_2595MHz_DFT-s-OFDM PI/2BPSK_RB1@271	22.14
n41_100MHz_30kHz_2595MHz_DFT-s-OFDM PI/2BPSK_RB270@0	21.83
n41_100MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB1@1	22.03
n41_100MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB135@67	22.19
n41_100MHz_30kHz_2595MHz_DFT-s-OFDM QPSK_RB1@271	22.28
n41_100MHz_30kHz_2595MHz_DFT-s-OFDM QPSK_RB270@0	22.15
n41_100MHz_30kHz_2595MHz_DFT-s-OFDM16QAM_RB270@0	21.87
n41_100MHz_30kHz_2595MHz_DFT-s-OFDM64QAM_RB270@0	21.58
n41_100MHz_30kHz_2595MHz_DFT-s-OFDM256QAM_RB270@0	19.41
n41_100MHz_30kHz_2595MHz_CP-OFDM QPSK_RB1@1	21.59
n41_100MHz_30kHz_2595MHz_CP-OFDMQPSK_RB137@68	21.92
n41_100MHz_30kHz_2595MHz_CP-OFDMQPSK_RB1@271	22.12
n41_100MHz_30kHz_2595MHz_CP-OFDMQPSK_RB273@0	21.03
n41_100MHz_30kHz_2595MHz_CP-OFDM16QAM_RB273@0	21.01
n41_100MHz_30kHz_2595MHz_CP-OFDM64QAM_RB273@0	20.51
n41_100MHz_30kHz_2595MHz_CP-OFDM256QAM_RB273@0	17.52
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDM PI/2BPSK_RB135@67	21.98
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDMPI/2BPSK_RB1@271	22.20
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDMPI/2BPSK_RB270@0	21.98
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDMQPSK_RB1@1	21.73
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDMQPSK_RB135@67	22.11
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDMQPSK_RB1@271	22.20
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDMQPSK_RB270@0	22.00
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDM16QAM_RB270@0	22.00
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDM64QAM_RB270@0	21.60
n41_100MHz_30kHz_2604.99MHz_DFT-s-OFDM 256QAM_RB270@0	19.63
n41_100MHz_30kHz_2604.99MHz_CP-OFDM QPSK_RB1@1	21.72
n41_100MHz_30kHz_2604.99MHz_CP-OFDM QPSK_RB137@68	22.04
n41_100MHz_30kHz_2604.99MHz_CP-OFDMQPSK_RB1@271	22.16
n41_100MHz_30kHz_2604.99MHz_CP-OFDMQPSK_RB273@0	21.24
n41_100MHz_30kHz_2604.99MHz_CP-OFDM 16QAM_RB273@0	21.19
n41_100MHz_30kHz_2604.99MHz_CP-OFDM 64QAM_RB273@0	20.63

Mode	Conducted Average Power(dBm)
n41_100MHz_30kHz_2604.99MHz_CP-OFDM256QAM_RB273@0	17.74
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDM PI/2BPSK_RB1@1	19.94
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDMPI/2BPSK_RB25@12	19.47
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDM PI/2BPSK_RB1@49	20.04
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDM PI/2BPSK_RB50@0	19.68
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDMQPSK_RB1@1	19.95
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDMQPSK_RB25@12	19.55
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDMQPSK_RB1@49	20.02
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDM QPSK_RB50@0	19.73
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDM16QAM_RB50@0	19.63
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDM64QAM_RB50@0	19.29
n41_20MHz_30kHz_2545.02MHz_DFT-s-OFDM256QAM_RB50@0	17.22
n41_20MHz_30kHz_2545.02MHz_CP-OFDMQPSK_RB1@1	19.91
n41_20MHz_30kHz_2545.02MHz_CP-OFDM QPSK_RB25@12	19.57
n41_20MHz_30kHz_2545.02MHz_CP-OFDM QPSK_RB1@49	20.23
n41_20MHz_30kHz_2545.02MHz_CP-OFDM QPSK_RB51@0	18.91
n41_20MHz_30kHz_2545.02MHz_CP-OFDM16QAM_RB51@0	18.77
n41_20MHz_30kHz_2545.02MHz_CP-OFDM64QAM_RB51@0	18.22
n41_20MHz_30kHz_2545.02MHz_CP-OFDM 256QAM_RB51@0	15.27
n41_20MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@1	20.52
n41_20MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB25@12	20.07
n41_20MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB1@49	20.48
n41_20MHz_30kHz_2595MHz_DFT-s-OFDMPI/2BPSK_RB50@0	20.21
n41_20MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB1@1	20.36
n41_20MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB25@12	20.10
n41_20MHz_30kHz_2595MHz_DFT-s-OFDM QPSK_RB1@49	20.46
n41_20MHz_30kHz_2595MHz_DFT-s-OFDMQPSK_RB50@0	20.29
n41_20MHz_30kHz_2595MHz_DFT-s-OFDM 16QAM_RB50@0	20.26
n41_20MHz_30kHz_2595MHz_DFT-s-OFDM 64QAM_RB50@0	19.82
n41_20MHz_30kHz_2595MHz_DFT-s-OFDM 256QAM_RB50@0	17.85
n41_20MHz_30kHz_2595MHz_CP-OFDM QPSK_RB1@1	20.51
n41_20MHz_30kHz_2595MHz_CP-OFDMQPSK_RB25@12	20.21
n41_20MHz_30kHz_2595MHz_CP-OFDM QPSK_RB1@49	20.51
n41_20MHz_30kHz_2595MHz_CP-OFDM QPSK_RB51@0	19.34
n41_20MHz_30kHz_2595MHz_CP-OFDM 16QAM_RB51@0	19.36
n41_20MHz_30kHz_2595MHz_CP-OFDM 64QAM_RB51@0	18.76

Mode	Conducted Average Power(dBm)
n41_20MHz_30kHz_2595MHz_CP-OFDM256QAM_RB51@0	15.81
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDM PI/2BPSK_RB1@1	20.42
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDMPI/2BPSK_RB25@12	19.96
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDM PI/2BPSK_RB1@49	20.46
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDM PI/2BPSK_RB50@0	20.10
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDMQPSK_RB1@1	20.37
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDMQPSK_RB25@12	19.96
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDM QPSK_RB1@49	20.45
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDM QPSK_RB50@0	20.15
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDM16QAM_RB50@0	20.12
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDM64QAM_RB50@0	19.67
n41_20MHz_30kHz_2644.98MHz_DFT-s-OFDM256QAM_RB50@0	17.71
n41_20MHz_30kHz_2644.98MHz_CP-OFDMQPSK_RB1@1	20.20
n41_20MHz_30kHz_2644.98MHz_CP-OFDM QPSK_RB25@12	19.97
n41_20MHz_30kHz_2644.98MHz_CP-OFDM QPSK_RB1@49	20.40
n41_20MHz_30kHz_2644.98MHz_CP-OFDM QPSK_RB51@0	19.33
n41_20MHz_30kHz_2644.98MHz_CP-OFDM16QAM_RB51@0	19.33
n41_20MHz_30kHz_2644.98MHz_CP-OFDM64QAM_RB51@0	18.78
n41_20MHz_30kHz_2644.98MHz_CP-OFDM 256QAM_RB51@0	15.62

5G NR n66:

Mode	Conducted Average Power(dBm)
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.73
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDMPI/2BPSK_RB12@6	22.69
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDMPI/2BPSK_RB1@23	22.69
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDMPI/2BPSK_RB25@0	22.27
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDM QPSK_RB1@1	22.72
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDM QPSK_RB12@6	22.68
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDMQPSK_RB1@23	22.73
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDM QPSK_RB25@0	21.74
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDM 16QAM_RB25@0	20.72
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDM 64QAM_RB25@0	20.26
n66_5MHz_15kHz_1712.5MHz_DFT-s-OFDM256QAM_RB25@0	18.25
n66_5MHz_15kHz_1712.5MHz_CP-OFDM QPSK_RB1@1	21.27
n66_5MHz_15kHz_1712.5MHz_CP-OFDMQPSK_RB13@6	21.33
n66_5MHz_15kHz_1712.5MHz_CP-OFDMQPSK_RB1@23	21.19
n66_5MHz_15kHz_1712.5MHz_CP-OFDMQPSK_RB25@0	19.74
n66_5MHz_15kHz_1712.5MHz_CP-OFDM16QAM_RB25@0	19.75
n66_5MHz_15kHz_1712.5MHz_CP-OFDM64QAM_RB25@0	19.20
n66_5MHz_15kHz_1712.5MHz_CP-OFDM256QAM_RB25@0	16.52
n66_5MHz_15kHz_1745MHz_DFT-s-OFDM PI/2BPSK_RB1@1	22.27
n66_5MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB12@6	22.21
n66_5MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB1@23	22.51
n66_5MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB25@0	21.97
n66_5MHz_15kHz_1745MHz_DFT-s-OFDM QPSK_RB1@1	22.61
n66_5MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB12@6	22.52
n66_5MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB1@23	22.54
n66_5MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB25@0	21.51
n66_5MHz_15kHz_1745MHz_DFT-s-OFDM16QAM_RB25@0	20.46
n66_5MHz_15kHz_1745MHz_DFT-s-OFDM64QAM_RB25@0	20.08
n66_5MHz_15kHz_1745MHz_DFT-s-OFDM 256QAM_RB25@0	17.38
n66_5MHz_15kHz_1745MHz_CP-OFDMQPSK_RB1@1	20.83
n66_5MHz_15kHz_1745MHz_CP-OFDM QPSK_RB13@6	21.05
n66_5MHz_15kHz_1745MHz_CP-OFDMQPSK_RB1@23	20.94
n66_5MHz_15kHz_1745MHz_CP-OFDM QPSK_RB25@0	19.43
n66_5MHz_15kHz_1745MHz_CP-OFDM 16QAM_RB25@0	19.44
n66_5MHz_15kHz_1745MHz_CP-OFDM 64QAM_RB25@0	18.95
n66_5MHz_15kHz_1745MHz_CP-OFDM256QAM_RB25@0	16.29

Mode	Conducted Average Power(dBm)
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.62
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDMPI/2BPSK_RB12@6	22.61
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDMPI/2BPSK_RB1@23	22.59
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDMPI/2BPSK_RB25@0	22.00
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDM QPSK_RB1@1	22.53
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDM QPSK_RB12@6	22.55
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDMQPSK_RB1@23	22.60
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDM QPSK_RB25@0	21.57
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDM 16QAM_RB25@0	20.64
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDM 64QAM_RB25@0	20.14
n66_5MHz_15kHz_1777.5MHz_DFT-s-OFDM256QAM_RB25@0	18.08
n66_5MHz_15kHz_1777.5MHz_CP-OFDM QPSK_RB1@1	20.90
n66_5MHz_15kHz_1777.5MHz_CP-OFDMQPSK_RB13@6	21.26
n66_5MHz_15kHz_1777.5MHz_CP-OFDMQPSK_RB1@23	21.13
n66_5MHz_15kHz_1777.5MHz_CP-OFDMQPSK_RB25@0	19.56
n66_5MHz_15kHz_1777.5MHz_CP-OFDM16QAM_RB25@0	19.55
n66_5MHz_15kHz_1777.5MHz_CP-OFDM64QAM_RB25@0	18.98
n66_5MHz_15kHz_1777.5MHz_CP-OFDM256QAM_RB25@0	16.36
n66_10MHz_15kHz_1715MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.70
n66_10MHz_15kHz_1715MHz_DFT-s-OFDMPI/2BPSK_RB25@12	22.70
n66_10MHz_15kHz_1715MHz_DFT-s-OFDMPI/2BPSK_RB1@50	22.77
n66_10MHz_15kHz_1715MHz_DFT-s-OFDMPI/2BPSK_RB50@0	22.21
n66_10MHz_15kHz_1715MHz_DFT-s-OFDMQPSK_RB1@1	22.81
n66_10MHz_15kHz_1715MHz_DFT-s-OFDMQPSK_RB25@12	22.76
n66_10MHz_15kHz_1715MHz_DFT-s-OFDM QPSK_RB1@50	22.46
n66_10MHz_15kHz_1715MHz_DFT-s-OFDMQPSK_RB50@0	21.61
n66_10MHz_15kHz_1715MHz_DFT-s-OFDM 16QAM_RB50@0	20.51
n66_10MHz_15kHz_1715MHz_DFT-s-OFDM 64QAM_RB50@0	20.14
n66_10MHz_15kHz_1715MHz_DFT-s-OFDM 256QAM_RB50@0	18.04
n66_10MHz_15kHz_1715MHz_CP-OFDM QPSK_RB1@1	21.07
n66_10MHz_15kHz_1715MHz_CP-OFDMQPSK_RB26@13	21.03
n66_10MHz_15kHz_1715MHz_CP-OFDM QPSK_RB1@50	21.07
n66_10MHz_15kHz_1715MHz_CP-OFDM QPSK_RB52@0	19.70
n66_10MHz_15kHz_1715MHz_CP-OFDM 16QAM_RB52@0	19.68
n66_10MHz_15kHz_1715MHz_CP-OFDM 64QAM_RB52@0	19.20
n66_10MHz_15kHz_1715MHz_CP-OFDM256QAM_RB52@0	16.40

Mode	Conducted Average Power(dBm)
n66_10MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.29
n66_10MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB25@12	22.36
n66_10MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB1@50	22.52
n66_10MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB50@0	21.98
n66_10MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB1@1	22.42
n66_10MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB25@12	22.43
n66_10MHz_15kHz_1745MHz_DFT-s-OFDM QPSK_RB1@50	22.55
n66_10MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB50@0	21.36
n66_10MHz_15kHz_1745MHz_DFT-s-OFDM 16QAM_RB50@0	20.43
n66_10MHz_15kHz_1745MHz_DFT-s-OFDM 64QAM_RB50@0	20.04
n66_10MHz_15kHz_1745MHz_DFT-s-OFDM 256QAM_RB50@0	17.97
n66_10MHz_15kHz_1745MHz_CP-OFDM QPSK_RB1@1	20.84
n66_10MHz_15kHz_1745MHz_CP-OFDMQPSK_RB26@13	20.97
n66_10MHz_15kHz_1745MHz_CP-OFDM QPSK_RB1@50	21.02
n66_10MHz_15kHz_1745MHz_CP-OFDM QPSK_RB52@0	19.59
n66_10MHz_15kHz_1745MHz_CP-OFDM 16QAM_RB52@0	19.53
n66_10MHz_15kHz_1745MHz_CP-OFDM 64QAM_RB52@0	18.99
n66_10MHz_15kHz_1745MHz_CP-OFDM256QAM_RB52@0	16.18
n66_10MHz_15kHz_1775MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.58
n66_10MHz_15kHz_1775MHz_DFT-s-OFDMPI/2BPSK_RB25@12	22.62
n66_10MHz_15kHz_1775MHz_DFT-s-OFDMPI/2BPSK_RB1@50	22.66
n66_10MHz_15kHz_1775MHz_DFT-s-OFDMPI/2BPSK_RB50@0	22.14
n66_10MHz_15kHz_1775MHz_DFT-s-OFDMQPSK_RB1@1	22.52
n66_10MHz_15kHz_1775MHz_DFT-s-OFDMQPSK_RB25@12	22.62
n66_10MHz_15kHz_1775MHz_DFT-s-OFDM QPSK_RB1@50	22.72
n66_10MHz_15kHz_1775MHz_DFT-s-OFDMQPSK_RB50@0	21.54
n66_10MHz_15kHz_1775MHz_DFT-s-OFDM 16QAM_RB50@0	20.58
n66_10MHz_15kHz_1775MHz_DFT-s-OFDM 64QAM_RB50@0	20.09
n66_10MHz_15kHz_1775MHz_DFT-s-OFDM 256QAM_RB50@0	17.99
n66_10MHz_15kHz_1775MHz_CP-OFDM QPSK_RB1@1	20.86
n66_10MHz_15kHz_1775MHz_CP-OFDMQPSK_RB26@13	21.16
n66_10MHz_15kHz_1775MHz_CP-OFDM QPSK_RB1@50	20.93
n66_10MHz_15kHz_1775MHz_CP-OFDM QPSK_RB52@0	19.62
n66_10MHz_15kHz_1775MHz_CP-OFDM 16QAM_RB52@0	19.68
n66_10MHz_15kHz_1775MHz_CP-OFDM 64QAM_RB52@0	19.15
n66_10MHz_15kHz_1775MHz_CP-OFDM256QAM_RB52@0	16.41

Mode	Conducted Average Power(dBm)
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.75
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDM PI/2BPSK_RB36@18	22.62
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDM PI/2BPSK_RB1@77	22.61
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDM PI/2BPSK_RB75@0	22.21
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDM QPSK_RB1@1	22.87
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDMQPSK_RB36@18	22.68
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDM QPSK_RB1@77	22.65
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDMQPSK_RB75@0	21.72
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDM 16QAM_RB75@0	20.84
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDM 64QAM_RB75@0	20.39
n66_15MHz_15kHz_1717.5MHz_DFT-s-OFDM256 QAM_RB75@0	18.17
n66_15MHz_15kHz_1717.5MHz_CP-OFDMQPSK_RB1@1	21.16
n66_15MHz_15kHz_1717.5MHz_CP-OFDM QPSK_RB39@19	21.08
n66_15MHz_15kHz_1717.5MHz_CP-OFDMQPSK_RB1@77	20.99
n66_15MHz_15kHz_1717.5MHz_CP-OFDMQPSK_RB79@0	19.67
n66_15MHz_15kHz_1717.5MHz_CP-OFDM16QAM_RB79@0	19.65
n66_15MHz_15kHz_1717.5MHz_CP-OFDM64QAM_RB79@0	19.14
n66_15MHz_15kHz_1717.5MHz_CP-OFDM256QAM_RB79@0	16.33
n66_15MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.49
n66_15MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB36@18	22.48
n66_15MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB1@77	22.41
n66_15MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB75@0	21.92
n66_15MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB1@1	22.46
n66_15MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB36@18	22.39
n66_15MHz_15kHz_1745MHz_DFT-s-OFDM QPSK_RB1@77	22.54
n66_15MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB75@0	21.41
n66_15MHz_15kHz_1745MHz_DFT-s-OFDM 16QAM_RB75@0	20.45
n66_15MHz_15kHz_1745MHz_DFT-s-OFDM 64QAM_RB75@0	19.99
n66_15MHz_15kHz_1745MHz_DFT-s-OFDM 256QAM_RB75@0	17.81
n66_15MHz_15kHz_1745MHz_CP-OFDM QPSK_RB1@1	20.96
n66_15MHz_15kHz_1745MHz_CP-OFDMQPSK_RB39@19	20.89
n66_15MHz_15kHz_1745MHz_CP-OFDM QPSK_RB1@77	20.92
n66_15MHz_15kHz_1745MHz_CP-OFDM QPSK_RB79@0	19.46
n66_15MHz_15kHz_1745MHz_CP-OFDM 16QAM_RB79@0	19.42
n66_15MHz_15kHz_1745MHz_CP-OFDM 64QAM_RB79@0	18.90
n66_15MHz_15kHz_1745MHz_CP-OFDM256QAM_RB79@0	16.29

Mode	Conducted Average Power(dBm)
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.56
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDM PI/2BPSK_RB36@18	22.47
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDM PI/2BPSK_RB1@77	22.40
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDM PI/2BPSK_RB75@0	21.96
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDM QPSK_RB1@1	22.51
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDMQPSK_RB36@18	22.52
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDM QPSK_RB1@77	22.46
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDMQPSK_RB75@0	21.54
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDM 16QAM_RB75@0	20.57
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDM 64QAM_RB75@0	20.09
n66_15MHz_15kHz_1772.5MHz_DFT-s-OFDM256 QAM_RB75@0	17.91
n66_15MHz_15kHz_1772.5MHz_CP-OFDMQPSK_RB1@1	21.01
n66_15MHz_15kHz_1772.5MHz_CP-OFDM QPSK_RB39@19	21.10
n66_15MHz_15kHz_1772.5MHz_CP-OFDMQPSK_RB1@77	21.07
n66_15MHz_15kHz_1772.5MHz_CP-OFDMQPSK_RB79@0	19.58
n66_15MHz_15kHz_1772.5MHz_CP-OFDM16QAM_RB79@0	19.60
n66_15MHz_15kHz_1772.5MHz_CP-OFDM64QAM_RB79@0	18.98
n66_15MHz_15kHz_1772.5MHz_CP-OFDM256QAM_RB79@0	16.35
n66_20MHz_15kHz_1720MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.90
n66_20MHz_15kHz_1720MHz_DFT-s-OFDMPI/2BPSK_RB50@25	22.73
n66_20MHz_15kHz_1720MHz_DFT-s-OFDMPI/2BPSK_RB1@104	22.58
n66_20MHz_15kHz_1720MHz_DFT-s-OFDMPI/2BPSK_RB100@0	22.16
n66_20MHz_15kHz_1720MHz_DFT-s-OFDMQPSK_RB1@1	22.76
n66_20MHz_15kHz_1720MHz_DFT-s-OFDMQPSK_RB50@25	22.67
n66_20MHz_15kHz_1720MHz_DFT-s-OFDMQPSK_RB1@104	22.58
n66_20MHz_15kHz_1720MHz_DFT-s-OFDMQPSK_RB100@0	22.16
n66_20MHz_15kHz_1720MHz_DFT-s-OFDM 16QAM_RB100@0	20.58
n66_20MHz_15kHz_1720MHz_DFT-s-OFDM 64QAM_RB100@0	20.14
n66_20MHz_15kHz_1720MHz_DFT-s-OFDM256QAM_RB100@0	18.16
n66_20MHz_15kHz_1720MHz_CP-OFDM QPSK_RB1@1	21.27
n66_20MHz_15kHz_1720MHz_CP-OFDMQPSK_RB53@26	21.16
n66_20MHz_15kHz_1720MHz_CP-OFDMQPSK_RB1@104	20.99
n66_20MHz_15kHz_1720MHz_CP-OFDMQPSK_RB106@0	19.69
n66_20MHz_15kHz_1720MHz_CP-OFDM16QAM_RB106@0	19.69
n66_20MHz_15kHz_1720MHz_CP-OFDM64QAM_RB106@0	19.13
n66_20MHz_15kHz_1720MHz_CP-OFDM256QAM_RB106@0	16.41

Mode	Conducted Average Power(dBm)
n66_20MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.35
n66_20MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB50@25	22.49
n66_20MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB1@104	22.45
n66_20MHz_15kHz_1745MHz_DFT-s-OFDMPI/2BPSK_RB100@0	21.96
n66_20MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB1@1	22.78
n66_20MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB50@25	22.71
n66_20MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB1@104	22.76
n66_20MHz_15kHz_1745MHz_DFT-s-OFDMQPSK_RB100@0	21.95
n66_20MHz_15kHz_1745MHz_DFT-s-OFDM 16QAM_RB100@0	20.47
n66_20MHz_15kHz_1745MHz_DFT-s-OFDM 64QAM_RB100@0	20.03
n66_20MHz_15kHz_1745MHz_DFT-s-OFDM256QAM_RB100@0	17.93
n66_20MHz_15kHz_1745MHz_CP-OFDM QPSK_RB1@1	20.91
n66_20MHz_15kHz_1745MHz_CP-OFDMQPSK_RB53@26	21.03
n66_20MHz_15kHz_1745MHz_CP-OFDMQPSK_RB1@104	21.07
n66_20MHz_15kHz_1745MHz_CP-OFDMQPSK_RB106@0	19.47
n66_20MHz_15kHz_1745MHz_CP-OFDM16QAM_RB106@0	19.47
n66_20MHz_15kHz_1745MHz_CP-OFDM64QAM_RB106@0	19.01
n66_20MHz_15kHz_1745MHz_CP-OFDM256QAM_RB106@0	16.21
n66_20MHz_15kHz_1770MHz_DFT-s-OFDMPI/2BPSK_RB1@1	22.61
n66_20MHz_15kHz_1770MHz_DFT-s-OFDMPI/2BPSK_RB50@25	22.59
n66_20MHz_15kHz_1770MHz_DFT-s-OFDMPI/2BPSK_RB1@104	22.57
n66_20MHz_15kHz_1770MHz_DFT-s-OFDMPI/2BPSK_RB100@0	22.10
n66_20MHz_15kHz_1770MHz_DFT-s-OFDMQPSK_RB1@1	22.56
n66_20MHz_15kHz_1770MHz_DFT-s-OFDMQPSK_RB50@25	22.56
n66_20MHz_15kHz_1770MHz_DFT-s-OFDMQPSK_RB1@104	22.64
n66_20MHz_15kHz_1770MHz_DFT-s-OFDMQPSK_RB100@0	21.92
n66_20MHz_15kHz_1770MHz_DFT-s-OFDM 16QAM_RB100@0	20.50
n66_20MHz_15kHz_1770MHz_DFT-s-OFDM 64QAM_RB100@0	20.13
n66_20MHz_15kHz_1770MHz_DFT-s-OFDM256QAM_RB100@0	18.21
n66_20MHz_15kHz_1770MHz_CP-OFDM QPSK_RB1@1	20.98
n66_20MHz_15kHz_1770MHz_CP-OFDMQPSK_RB53@26	21.04
n66_20MHz_15kHz_1770MHz_CP-OFDMQPSK_RB1@104	21.02
n66_20MHz_15kHz_1770MHz_CP-OFDMQPSK_RB106@0	19.55
n66_20MHz_15kHz_1770MHz_CP-OFDM16QAM_RB106@0	19.58
n66_20MHz_15kHz_1770MHz_CP-OFDM64QAM_RB106@0	19.18
n66_20MHz_15kHz_1770MHz_CP-OFDM256QAM_RB106@0	16.45

WLAN 2.4G:

Mode	Channel frequency (MHz)	Data Rate	Duty Cycle [%]	CH 0 RF Average Output Power (dBm)	CH 1 RF Average Output Power (dBm)	Total RF Average Output Power (dBm)
802.11b	2412	1Mbps	99.12	14.17	14.14	/
	2437			15.14	15.02	/
	2462			13.70	13.71	/
802.11g	2412	6Mbps	98.10	14.65	15.93	/
	2437			16.18	16.49	/
	2462			15.43	15.72	/
802.11n20	2412	MCS0	98.11	15.68	15.85	18.78
	2437			16.23	16.51	19.38
	2462			15.30	15.67	18.50
802.11n40	2422	MCS0	94.81	12.65	14.18	16.49
	2437			12.88	12.69	15.80
	2452			11.95	11.54	14.76

WLAN 5.2G:

Mode	Channel frequency (MHz)	Data Rate	Duty Cycle [%]	CH 0 RF Average Output Power (dBm)	CH 1 RF Average Output Power (dBm)	Total RF Average Output Power (dBm)
802.11a	5180	6Mbps	98.15	12.32	12.36	/
	5200			12.14	12.05	/
	5240			12.23	12.26	/
802.11ac20	5180	MCS0	98.07	13.16	12.31	15.77
	5200			12.86	12.27	15.59
	5240			13.11	12.27	15.72
802.11ac40	5190	MCS0	96.26	13.71	12.86	16.32
	5230			13.73	12.93	16.36
802.11ac80	5210	MCS0	92.80	13.15	12.85	16.01

WLAN 5.3G:

Mode	Channel frequency (MHz)	Data Rate	Duty Cycle [%]	CH 0 RF Average Output Power (dBm)	CH 1 RF Average Output Power (dBm)	Total RF Average Output Power (dBm)
802.11a	5260	6Mbps	98.15	12.45	12.47	15.47
	5280			12.49	12.44	15.48
	5320			12.59	12.71	15.66
802.11ac20	5260	MCS0	98.07	13.60	13.51	16.57
	5280			12.70	13.49	16.12
	5320			12.54	13.45	16.03
802.11ac40	5270	MCS0	96.26	14.18	13.59	16.91
	5310			14.14	13.38	16.79
802.11ac80	5290	MCS0	92.80	13.76	13.01	16.41

WLAN 5.6G:

Mode	Channel frequency (MHz)	Data Rate	Duty Cycle [%]	CH 0 RF Average Output Power (dBm)	CH 1 RF Average Output Power (dBm)	Total RF Average Output Power (dBm)
802.11a	5500	6Mbps	98.15	10.67	10.82	13.76
	5580			10.90	11.14	14.03
	5700			9.38	9.56	12.48
802.11ac20	5500	MCS0	98.07	12.37	12.35	15.37
	5580			12.32	12.45	15.40
	5700			11.71	11.65	14.69
802.11ac40	5510	MCS0	96.26	12.82	14.32	16.64
	5550			13.12	14.35	16.79
	5670			12.30	13.37	15.88
802.11ac80	5530	MCS0	92.80	12.63	14.02	16.39
	5610			12.59	13.41	16.03

WLAN 5.8G:

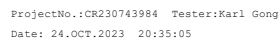
Mode	Channel frequency (MHz)	Data Rate	Duty Cycle [%]	CH 0 RF Average Output Power (dBm)	CH 1 RF Average Output Power (dBm)	Total RF Average Output Power (dBm)
802.11a	5745	6Mbps	98.15	8.94	10.60	12.86
	5785			9.36	9.40	12.39
	5825			10.28	10.85	13.58
802.11ac20	5745	MCS0	98.07	11.56	11.51	14.55
	5785			11.77	11.79	14.79
	5825			12.30	12.16	15.24
802.11ac40	5755	MCS0	96.26	12.27	14.39	16.47
	5795			12.45	12.45	15.46
802.11ac80	5775	MCS0	92.80	12.04	14.14	16.23

Bluetooth:

Mode	Channel frequency (MHz)	RF Output Power (dBm)
BDR(GFSK)	2402	9.93
	2441	11.89
	2480	10.81
EDR($\pi/4$ -DQPSK)	2402	8.88
	2441	10.58
	2480	9.80
EDR(8DPSK)	2402	9.39
	2441	10.90
	2480	10.32
BLE_1M	2402	4.44
	2440	6.20
	2480	5.18
BLE_2M	2402	4.57
	2440	6.08
	2480	5.46

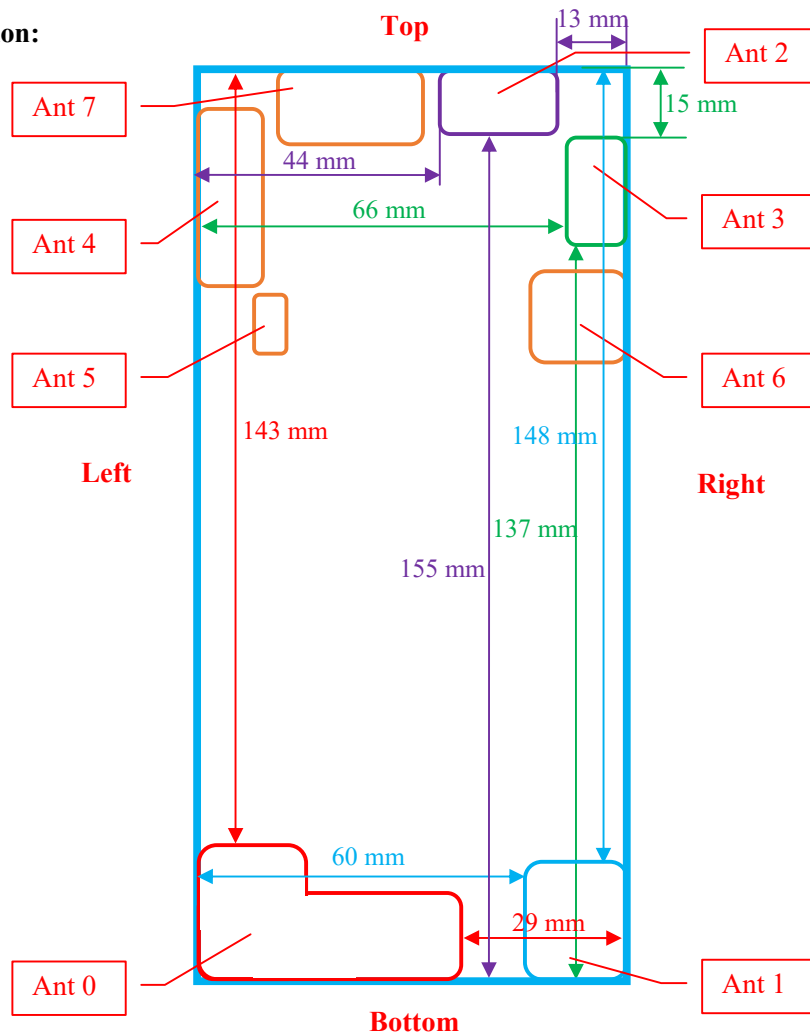
Test Modes	Ton (ms)	Ton + off (ms)	Duty cycle (%)
BDR(GFSK)	2.98	3.72	80.11

BDR(GFSK)



7. Standalone SAR test exclusion considerations

Antennas Location:



EUT Front View

7.1 Antenna Distance To Edge

Antenna Distance To Edge(mm)						
Antenna	Back	Front	Left	Right	Top	Bottom
Ant 0	< 5	< 5	< 5	29	143	< 5
Ant 1	< 5	< 5	60	< 5	148	< 5
Ant 2	< 5	< 5	44	< 5	< 5	155
Ant 3	< 5	< 5	66	< 5	15	137

Antenna	Description
Ant 0	TRX: GSM 850, PCS 1900; WCDMA B2/4/5; LTE B2/4/5/7/12/13/17/26/38/40/41/66; 5G NR n2/5/7/26/38/66
Ant 1	TRX: 5G NR n41 PRX: 5G NR n7
Ant 2	TX&RX: WIFI 2.4G/5G (CH 1)
Ant 3	TX&RX: BT; WIFI 2.4G/5G (CH 0)
Ant 4	DRX: GSM 850, PCS 1900; WCDMA B2/4/5; LTE B2/4/5/7/12/13/17/26/38/40/41/66; 5G NR n2/5/7/26/38/66
Ant 5	Have not used
Ant 6	DRX: 5G NR n7/41
Ant 7	PRX: 5G NR n41; DRX: 5G NR n7

7.2 Standalone SAR test exclusion considerations

Antenna	Mode	Frequency (MHz)	Output Power (dBm)	Output Power (mW)	Distance (mm)	Calculated value	Threshold (1-g)	SAR Test Exclusion
Ant 2 (CH 1)	WLAN 2.4G	2472	16.7	46.77	0	14.7	3.0	NO
	WLAN 5.2G	5240	13.1	20.42	0	9.3	3.0	NO
	WLAN 5.3G	5320	13.7	23.44	0	10.8	3.0	NO
	WLAN 5.6G	5700	14.5	28.18	0	13.5	3.0	NO
	WLAN 5.8G	5825	14.5	28.18	0	13.6	3.0	NO
Ant 3 (CH 0)	WLAN 2.4G	2472	16.4	43.65	0	13.7	3.0	NO
	WLAN 5.2G	5240	13.8	23.99	0	11.0	3.0	NO
	WLAN 5.3G	5320	14.3	26.92	0	12.4	3.0	NO
	WLAN 5.6G	5700	13.3	21.38	0	10.2	3.0	NO
	WLAN 5.8G	5825	13.6	22.91	0	11.1	3.0	NO
	Bluetooth	2480	12.0	15.85	0	5.0	3.0	NO

Note: The Bluetooth based peak power for calculation.

Measurement Result:

For NFC, the power of EUT: E Field@3m is 66.44dBuV/m = -28.76dBm (0.0013mW)

Note: $E[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2$ for $d = 3 \text{ m}$.

SAR test exclusion threshold for NFC(13.56MHz) separation distance < 50mm

$$= [474 * (1 + \log(100/f_{\text{MHz}}))] / 2$$

$$= 443\text{mW}$$

$$> 0.0013\text{mW}$$

Conclusion:

The NFC SAR evaluation can be exempted.

NOTE:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

1. $f(\text{GHz})$ is the RF channel transmit frequency in GHz.

2. Power and distance are rounded to the nearest mW and mm before calculation.

3. The result is rounded to one decimal place for comparison.

4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.

According to KDB 447498 D01 General RF Exposure Guidance v06, clause 4.3. General SAR test exclusion guidance:

c) For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C):

1) For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by $[1 + \log(100/f(\text{MHz}))]$

2) For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$

3) SAR measurement procedures are not established below 100 MHz.

7.3 SAR test exclusion for the EUT edge considerations Result

Antenna Distance To Edge(mm)						
Mode	Front	Back	Left	Right	Top	Bottom
Bluetooth (Ant 3)	Required	Required	Exclusion	Required	Required	Exclusion
WWAN (Ant 0)	Required	Required	Required	Exclusion	Exclusion	Required
WWAN (Ant 1)	Required	Required	Exclusion	Required	Exclusion	Required
WLAN (Ant 2)	Required	Required	Exclusion	Required	Required	Exclusion
WLAN (Ant 3)	Required	Required	Exclusion	Required	Required	Exclusion

Note:

Required: The distance to Edge is less than 25mm, testing is required.

Exclusion: The distance to Edge is more than 25 mm, testing is not required.

Extremity Exposure Considerations

Per KDB 648474 D04 D04v01r03, this device is considered a “Phablet” since the diagonal dimension is >160 mm and < 200 mm, when hotspot mode applies, extremity SAR is required only for the surfaces and edges with hotspot mode scaled to the maximum output power (with tolerance is 1g SAR > 1.2 W/kg)

Extremity Exposure Condition		
Worst Mode	Hotspot SAR value	Extremity Condition Test
5G NR n66	1.06W/kg@1g	Exclusion

8. SAR MEASUREMENT RESULTS

This page summarizes the results of the performed dosimetric evaluation.

8.1 SAR Test Data

Environmental Conditions

Temperature:	23.2~24.0°C	23.2~23.9°C	22.6~23.5°C	22.7~23.5°C	23.5~24.3°C	22.7~23.4°C
Relative Humidity:	47 %	53 %	56 %	49 %	43 %	47 %
ATM Pressure:	99.3kPa	100.1 kPa	100.1 kPa	100.8 kPa	100.1 kPa	100.1 kPa
Test Date:	2023/12/14	2023/12/15	2023/12/16	2023/12/17	2023/12/18	2023/12/19

Temperature:	22.8~23.8°C	22.9~23.8°C	22.6~23.5°C	23.7~24.6°C	23.1~23.9°C
Relative Humidity:	52 %	50 %	51 %	39 %	43 %
ATM Pressure:	100 kPa	100.1 kPa	100.2 kPa	100 kPa	100 kPa
Test Date:	2023/12/20	2023/12/21	2023/12/22	2023/12/23	2023/12/24

Testing was performed by Carl Chen, Wei dong Lu, Ken Zong.

GSM 850:

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
					Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	824.2	GSM	/	/	/	/	/	/
	836.6	GSM	33.62	34.0	1.091	0.091	0.10	1#
	848.8	GSM	/	/	/	/	/	/
Head Left Tilt	824.2	GSM	/	/	/	/	/	/
	836.6	GSM	33.62	34.0	1.091	0.047	0.06	2#
	848.8	GSM	/	/	/	/	/	/
Head Right Cheek	824.2	GSM	/	/	/	/	/	/
	836.6	GSM	33.62	34.0	1.091	0.098	0.11	3#
	848.8	GSM	/	/	/	/	/	/
Head Right Tilt	824.2	GSM	/	/	/	/	/	/
	836.6	GSM	33.62	34.0	1.091	0.042	0.05	4#
	848.8	GSM	/	/	/	/	/	/
Body Worn Front (10mm)	824.2	GSM	/	/	/	/	/	/
	836.6	GSM	33.62	34.0	1.091	0.106	0.12	5#
	848.8	GSM	/	/	/	/	/	/
Body Worn Back (10mm)	824.2	GSM	/	/	/	/	/	/
	836.6	GSM	33.62	34.0	1.091	0.129	0.15	6#
	848.8	GSM	/	/	/	/	/	/
Body Front (10mm)	824.2	GPRS	/	/	/	/	/	/
	836.6	GPRS	31.08	31.3	1.052	0.098	0.11	7#
	848.8	GPRS	/	/	/	/	/	/
Body Back (10mm)	824.2	GPRS	/	/	/	/	/	/
	836.6	GPRS	31.08	31.3	1.052	0.128	0.14	8#
	848.8	GPRS	/	/	/	/	/	/
Body Left (10mm)	824.2	GPRS	/	/	/	/	/	/
	836.6	GPRS	31.08	31.3	1.052	0.076	0.08	9#
	848.8	GPRS	/	/	/	/	/	/
Body Bottom (10mm)	824.2	GPRS	/	/	/	/	/	/
	836.6	GPRS	31.08	31.3	1.052	0.081	0.09	10#
	848.8	GPRS	/	/	/	/	/	/

The data above was performed on 2023/12/24.

Note:

1. When the 1-g SAR is $\leq 0.8\text{W/Kg}$, testing for other channels are optional.
2. The EUT transmit and receive through the same GSM antenna while testing SAR.
3. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
4. When the maximum output power variation across the required test channels is $> 0.5\text{ dB}$, instead of the middle channel, the highest output power channel must be used.
5. The Multi-slot Classes of EUT is Class 12 which has maximum 4 Downlink slots and 4 Uplink slots, the maximum active slots is 5, when perform the multiple slots scan, 3DL+2UL is the worst case.

PCS 1900:

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
					Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	1850.2	GSM	/	/	/	/	/	/
	1880	GSM	29.10	29.4	1.072	0.018	0.02	11#
	1909.8	GSM	/	/	/	/	/	/
Head Left Tilt	1850.2	GSM	/	/	/	/	/	/
	1880	GSM	29.10	29.4	1.072	0.008	0.01	12#
	1909.8	GSM	/	/	/	/	/	/
Head Right Cheek	1850.2	GSM	/	/	/	/	/	/
	1880	GSM	29.10	29.4	1.072	0.036	0.04	13#
	1909.8	GSM	/	/	/	/	/	/
Head Right Tilt	1850.2	GSM	/	/	/	/	/	/
	1880	GSM	29.10	29.4	1.072	0.006	0.01	14#
	1909.8	GSM	/	/	/	/	/	/
Body Worn Front (10mm)	1850.2	GSM	/	/	/	/	/	/
	1880	GSM	29.10	29.4	1.072	0.165	0.18	15#
	1909.8	GSM	/	/	/	/	/	/
Body Worn Back (10mm)	1850.2	GSM	/	/	/	/	/	/
	1880	GSM	29.10	29.4	1.072	0.406	0.44	16#
	1909.8	GSM	/	/	/	/	/	/
Body Front (10mm)	1850.2	GPRS	/	/	/	/	/	/
	1880	GPRS	26.55	26.9	1.084	0.152	0.17	17#
	1909.8	GPRS	/	/	/	/	/	/
Body Back (10mm)	1850.2	GPRS	/	/	/	/	/	/
	1880	GPRS	26.55	26.9	1.084	0.364	0.40	18#
	1909.8	GPRS	/	/	/	/	/	/
Body Left (10mm)	1850.2	GPRS	/	/	/	/	/	/
	1880	GPRS	26.55	26.9	1.084	0.059	0.07	19#
	1909.8	GPRS	/	/	/	/	/	/
Body Bottom (10mm)	1850.2	GPRS	/	/	/	/	/	/
	1880	GPRS	26.55	26.9	1.084	0.511	0.56	20#
	1909.8	GPRS	/	/	/	/	/	/

The data above was performed on 2023/12/17.

Note:

1. When the 1-g SAR is $\leq 0.8\text{W/Kg}$, testing for other channels are optional.
2. The EUT transmit and receive through the same GSM antenna while testing SAR.
3. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
4. When the maximum output power variation across the required test channels is $> 0.5\text{ dB}$, instead of the middle channel, the highest output power channel must be used.
5. The Multi-slot Classes of EUT is Class 12 which has maximum 4 Downlink slots and 4 Uplink slots, the maximum active slots is 5, when perform the multiple slots scan, 2DL+3UL is the worst case.

WCDMA Band 2:

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
					Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	1852.4	RMC	/	/	/	/	/	/
	1880	RMC	23.12	23.3	1.042	0.021	0.03	21#
	1907.6	RMC	/	/	/	/	/	/
Head Left Tilt	1852.4	RMC	/	/	/	/	/	/
	1880	RMC	23.12	23.3	1.042	0.013	0.02	22#
	1907.6	RMC	/	/	/	/	/	/
Head Right Cheek	1852.4	RMC	/	/	/	/	/	/
	1880	RMC	23.12	23.3	1.042	0.041	0.05	23#
	1907.6	RMC	/	/	/	/	/	/
Head Right Tilt	1852.4	RMC	/	/	/	/	/	/
	1880	RMC	23.12	23.3	1.042	0.013	0.02	24#
	1907.6	RMC	/	/	/	/	/	/
Body Front (10mm)	1852.4	RMC	/	/	/	/	/	/
	1880	RMC	23.12	23.3	1.042	0.289	0.31	25#
	1907.6	RMC	/	/	/	/	/	/
Body Back (10mm)	1852.4	RMC	/	/	/	/	/	/
	1880	RMC	23.12	23.3	1.042	0.743	0.78	26#
	1907.6	RMC	/	/	/	/	/	/
Body Left (10mm)	1852.4	RMC	/	/	/	/	/	/
	1880	RMC	23.12	23.3	1.042	0.113	0.12	27#
	1907.6	RMC	/	/	/	/	/	/
Body Bottom (10mm)	1852.4	RMC	/	/	/	/	/	/
	1880	RMC	23.12	23.3	1.042	0.753	0.79	28#
	1907.6	RMC	/	/	/	/	/	/

The data above was performed on 2023/12/14.

WCDMA Band 4:

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
					Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	1712.4	RMC	/	/	/	/	/	/
	1732.6	RMC	22.81	23.2	1.094	0.069	0.08	29#
	1752.6	RMC	/	/	/	/	/	/
Head Left Tilt	1712.4	RMC	/	/	/	/	/	/
	1732.6	RMC	22.81	23.2	1.094	0.029	0.04	30#
	1752.6	RMC	/	/	/	/	/	/
Head Right Cheek	1712.4	RMC	/	/	/	/	/	/
	1732.6	RMC	22.81	23.2	1.094	0.035	0.04	31#
	1752.6	RMC	/	/	/	/	/	/
Head Right Tilt	1712.4	RMC	/	/	/	/	/	/
	1732.6	RMC	22.81	23.2	1.094	0.034	0.04	32#
	1752.6	RMC	/	/	/	/	/	/
Body Front (10mm)	1712.4	RMC	/	/	/	/	/	/
	1732.6	RMC	22.81	23.2	1.094	0.229	0.26	33#
	1752.6	RMC	/	/	/	/	/	/
Body Back (10mm)	1712.4	RMC	23.00	23.2	1.047	0.918	0.97	34#
	1732.6	RMC	22.81	23.2	1.094	0.936	1.03	35#
	1752.6	RMC	22.89	23.2	1.074	0.862	0.93	36#
Body Left (10mm)	1712.4	RMC	/	/	/	/	/	/
	1732.6	RMC	22.81	23.2	1.094	0.219	0.24	37#
	1752.6	RMC	/	/	/	/	/	/
Body Bottom (10mm)	1712.4	RMC	/	/	/	/	/	/
	1732.6	RMC	22.81	23.2	1.094	0.620	0.68	38#
	1752.6	RMC	/	/	/	/	/	/

The data above was performed on 2023/12/17.

WCDMA Band 5:

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
					Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	826.4	RMC	/	/	/	/	/	/
	836.6	RMC	24.64	24.9	1.062	0.053	0.06	39#
	846.6	RMC	/	/	/	/	/	/
Head Left Tilt	826.4	RMC	/	/	/	/	/	/
	836.6	RMC	24.64	24.9	1.062	0.027	0.03	40#
	846.6	RMC	/	/	/	/	/	/
Head Right Cheek	826.4	RMC	/	/	/	/	/	/
	836.6	RMC	24.64	24.9	1.062	0.052	0.06	41#
	846.6	RMC	/	/	/	/	/	/
Head Right Tilt	826.4	RMC	/	/	/	/	/	/
	836.6	RMC	24.64	24.9	1.062	0.025	0.03	42#
	846.6	RMC	/	/	/	/	/	/
Body Front (10mm)	826.4	RMC	/	/	/	/	/	/
	836.6	RMC	24.64	24.9	1.062	0.064	0.07	43#
	846.6	RMC	/	/	/	/	/	/
Body Back (10mm)	826.4	RMC	/	/	/	/	/	/
	836.6	RMC	24.64	24.9	1.062	0.094	0.11	44#
	846.6	RMC	/	/	/	/	/	/
Body Left (10mm)	826.4	RMC	/	/	/	/	/	/
	836.6	RMC	24.64	24.9	1.062	0.056	0.06	45#
	846.6	RMC	/	/	/	/	/	/
Body Bottom (10mm)	826.4	RMC	/	/	/	/	/	/
	836.6	RMC	24.64	24.9	1.062	0.061	0.07	46#
	846.6	RMC	/	/	/	/	/	/

The data above was performed on 2023/12/15.

Note:

1. When the 1-g SAR is $\leq 0.8\text{W/Kg}$, testing for other channels are optional.
2. The EUT transmit and receive through the same antenna while testing SAR.
3. The default test configuration is to measure SAR with an established radio link between the EUT and a communication test set using a 12.2 kbps RMC (reference measurement Channel) Configured in Test Loop Model.
4. KDB 941225 D01-Body SAR is not required for HSDPA/HSUPA/HSPA+ when the maximum average output of each RF channel is less than $\frac{1}{4}$ dB higher than measured 12.2kbps RMC or the maximum SAR for 12.2kbps RMC is $< 75\%$ of SAR limit.
5. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.

LTE Band 2:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.46	22.5	1.009	0.024	0.03	47#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	21.96	22.5	1.132	0.016	0.02	48#
Head Left Tilt	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.46	22.5	1.009	0.011	0.02	49#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	21.96	22.5	1.132	0.007	0.01	50#
Head Right Cheek	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.46	22.5	1.009	0.054	0.06	51#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	21.96	22.5	1.132	0.043	0.05	52#
Head Right Tilt	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.46	22.5	1.009	0.011	0.02	53#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	21.96	22.5	1.132	0.006	0.01	54#
Body Front (10mm)	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.46	22.5	1.009	0.269	0.28	55#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	21.96	22.5	1.132	0.220	0.25	56#
Body Back (10mm)	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.46	22.5	1.009	0.687	0.70	57#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	21.96	22.5	1.132	0.557	0.64	58#
Body Left (10mm)	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.46	22.5	1.009	0.102	0.11	59#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	21.96	22.5	1.132	0.080	0.10	60#
Body Bottom (10mm)	1860	20	1RB	22.37	22.5	1.030	0.594	0.62	61#
	1880	20	1RB	22.46	22.5	1.009	0.836	0.85	62#
	1900	20	1RB	22.18	22.5	1.076	0.588	0.64	63#
	1880	20	50%RB	21.96	22.5	1.132	0.699	0.80	64#
	1880	20	100%RB	21.78	22.5	1.180	0.527	0.63	65#

The data above was performed on 2023/12/17.

LTE Band 26&5:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	821.5	15	1RB	/	/	/	/	/	/
	831.5	15	1RB	23.97	24.3	1.079	0.030	0.04	66#
	841.5	15	1RB	/	/	/	/	/	/
	831.5	15	50%RB	23.28	24.3	1.265	0.020	0.03	67#
Head Left Tilt	821.5	15	1RB	/	/	/	/	/	/
	831.5	15	1RB	23.97	24.3	1.079	0.026	0.03	68#
	841.5	15	1RB	/	/	/	/	/	/
	831.5	15	50%RB	23.28	24.3	1.265	0.023	0.03	69#
Head Right Cheek	821.5	15	1RB	/	/	/	/	/	/
	831.5	15	1RB	23.97	24.3	1.079	0.037	0.05	70#
	841.5	15	1RB	/	/	/	/	/	/
	831.5	15	50%RB	23.28	24.3	1.265	0.033	0.05	71#
Head Right Tilt	821.5	15	1RB	/	/	/	/	/	/
	831.5	15	1RB	23.97	24.3	1.079	0.026	0.03	72#
	841.5	15	1RB	/	/	/	/	/	/
	831.5	15	50%RB	23.28	24.3	1.265	0.021	0.03	73#
Body Front (10mm)	821.5	15	1RB	/	/	/	/	/	/
	831.5	15	1RB	23.97	24.3	1.079	0.039	0.05	74#
	841.5	15	1RB	/	/	/	/	/	/
	831.5	15	50%RB	23.28	24.3	1.265	0.034	0.05	75#
Body Back (10mm)	821.5	15	1RB	/	/	/	/	/	/
	831.5	15	1RB	23.97	24.3	1.079	0.069	0.08	76#
	841.5	15	1RB	/	/	/	/	/	/
	831.5	15	50%RB	23.28	24.3	1.265	0.059	0.08	77#
Body Left (10mm)	821.5	15	1RB	/	/	/	/	/	/
	831.5	15	1RB	23.97	24.3	1.079	0.033	0.04	78#
	841.5	15	1RB	/	/	/	/	/	/
	831.5	15	50%RB	23.28	24.3	1.265	0.027	0.04	79#
Body Bottom (10mm)	821.5	15	1RB	/	/	/	/	/	/
	831.5	15	1RB	23.97	24.3	1.079	0.044	0.05	80#
	841.5	15	1RB	/	/	/	/	/	/
	831.5	15	50%RB	23.28	24.3	1.265	0.037	0.05	81#

The data above was performed on 2023/12/15.

Note: The E-UTRA Operating Band 5 is a subset of band 26, and they are same in modulation type and rated output power, therefore, they were considered as one frequency band during SAR measurement.

LTE Band 7:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	22.21	22.4	1.045	0.077	0.09	82#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.61	22.4	1.199	0.058	0.07	83#
Head Left Tilt	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	22.21	22.4	1.045	0.035	0.04	84#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.61	22.4	1.199	0.025	0.04	85#
Head Right Cheek	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	22.21	22.4	1.045	0.038	0.05	86#
	2560	20	1RB	/	/	/	/	/	/
	2535	20	50%RB	21.61	22.4	1.199	0.036	0.05	87#
Head Right Tilt	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	22.21	22.4	1.045	0.030	0.04	88#
	2560	20	1RB	/	/	/	/	/	/
	2535	20	50%RB	21.61	22.4	1.199	0.022	0.03	89#
Body Front (10mm)	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	22.21	22.4	1.045	0.175	0.19	90#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.61	22.4	1.199	0.135	0.17	91#
Body Back (10mm)	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	22.21	22.4	1.045	0.241	0.26	92#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.61	22.4	1.199	0.183	0.22	93#
Body Left (10mm)	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	22.21	22.4	1.045	0.091	0.10	94#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.61	22.4	1.199	0.073	0.09	95#
Body Bottom (10mm)	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	22.21	22.4	1.045	0.202	0.22	96#
	2560	20	1RB	/	/	/	/	/	/
	2535	20	50%RB	21.61	22.4	1.199	0.161	0.20	97#

The data above was performed on 2023/12/20.

LTE Band 12&17:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	704	10	1RB	/	/	/	/	/	/
	707.5	10	1RB	23.98	24.2	1.052	0.067	0.08	98#
	711	10	1RB	/	/	/	/	/	/
	707.5	10	50%RB	23.43	24.2	1.194	0.038	0.05	99#
Head Left Tilt	704	10	1RB	/	/	/	/	/	/
	707.5	10	1RB	23.98	24.2	1.052	0.021	0.03	100#
	711	10	1RB	/	/	/	/	/	/
	707.5	10	50%RB	23.43	24.2	1.194	0.018	0.03	101#
Head Right Cheek	704	10	1RB	/	/	/	/	/	/
	707.5	10	1RB	23.98	24.2	1.052	0.064	0.07	102#
	711	10	1RB	/	/	/	/	/	/
	707.5	10	50%RB	23.43	24.2	1.194	0.053	0.07	103#
Head Right Tilt	704	10	1RB	/	/	/	/	/	/
	707.5	10	1RB	23.98	24.2	1.052	0.028	0.03	104#
	711	10	1RB	/	/	/	/	/	/
	707.5	10	50%RB	23.43	24.2	1.194	0.021	0.03	105#
Body Front (10mm)	704	10	1RB	/	/	/	/	/	/
	707.5	10	1RB	23.98	24.2	1.052	0.038	0.04	106#
	711	10	1RB	/	/	/	/	/	/
	707.5	10	50%RB	23.43	24.2	1.194	0.027	0.04	107#
Body Back (10mm)	704	10	1RB	/	/	/	/	/	/
	707.5	10	1RB	23.98	24.2	1.052	0.060	0.07	108#
	711	10	1RB	/	/	/	/	/	/
	707.5	10	50%RB	23.43	24.2	1.194	0.046	0.06	109#
Body Left (10mm)	704	10	1RB	/	/	/	/	/	/
	707.5	10	1RB	23.98	24.2	1.052	0.053	0.06	110#
	711	10	1RB	/	/	/	/	/	/
	707.5	10	50%RB	23.43	24.2	1.194	0.038	0.05	111#
Body Bottom (10mm)	704	10	1RB	/	/	/	/	/	/
	707.5	10	1RB	23.98	24.2	1.052	0.024	0.03	112#
	711	10	1RB	/	/	/	/	/	/
	707.5	10	50%RB	23.43	24.2	1.194	0.019	0.03	113#

The data above was performed on 2023/12/14.

Note: The E-UTRA Operating Band 17 is a subset of band 12, and they are same in modulation type and rated output power, therefore, they were considered as one frequency band during SAR measurement.

LTE Band 13:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	782	10	1RB	23.84	24.0	1.038	0.009	0.01	114#
	782	10	50%RB	23.17	24.0	1.211	0.006	0.01	115#
Head Left Tilt	782	10	1RB	23.84	24.0	1.038	0.007	0.01	116#
	782	10	50%RB	23.17	24.0	1.211	0.002	0.01	117#
Head Right Cheek	782	10	1RB	23.84	24.0	1.038	0.005	0.01	118#
	782	10	50%RB	23.17	24.0	1.211	0.004	0.01	119#
Head Right Tilt	782	10	1RB	23.84	24.0	1.038	0.008	0.01	120#
	782	10	50%RB	23.17	24.0	1.211	0.007	0.01	121#
Body Front (10mm)	782	10	1RB	23.84	24.0	1.038	0.017	0.02	122#
	782	10	50%RB	23.17	24.0	1.211	0.014	0.02	123#
Body Back (10mm)	782	10	1RB	23.84	24.0	1.038	0.042	0.05	124#
	782	10	50%RB	23.17	24.0	1.211	0.035	0.05	125#
Body Left (10mm)	782	10	1RB	23.84	24.0	1.038	0.015	0.02	126#
	782	10	50%RB	23.17	24.0	1.211	0.013	0.02	127#
Body Bottom (10mm)	782	10	1RB	23.84	24.0	1.038	0.021	0.03	128#
	782	10	50%RB	23.17	24.0	1.211	0.016	0.02	129#

The data above was performed on 2023/12/14.

LTE Band 40 Lower Band(2305~2315Mhz) :

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2310	10	1RB	22.23	22.4	1.040	0.096	0.10	130#
	2310	10	50%RB	21.75	22.4	1.161	0.078	0.10	131#
Head Left Tilt	2310	10	1RB	22.23	22.4	1.040	0.017	0.02	132#
	2310	10	50%RB	21.75	22.4	1.161	0.019	0.03	133#
Head Right Cheek	2310	10	1RB	22.23	22.4	1.040	0.079	0.09	134#
	2310	10	50%RB	21.75	22.4	1.161	0.066	0.08	135#
Head Right Tilt	2310	10	1RB	22.23	22.4	1.040	0.029	0.03	136#
	2310	10	50%RB	21.75	22.4	1.161	0.025	0.03	137#
Body Front (10mm)	2310	10	1RB	22.23	22.4	1.040	0.125	0.13	138#
	2310	10	50%RB	21.75	22.4	1.161	0.105	0.13	139#
Body Back (10mm)	2310	10	1RB	22.23	22.4	1.040	0.138	0.15	140#
	2310	10	50%RB	21.75	22.4	1.161	0.114	0.14	141#
Body Left (10mm)	2310	10	1RB	22.23	22.4	1.040	0.029	0.04	142#
	2310	10	50%RB	21.75	22.4	1.161	0.024	0.03	143#
Body Bottom (10mm)	2310	10	1RB	22.23	22.4	1.040	0.181	0.19	144#
	2310	10	50%RB	21.75	22.4	1.161	0.153	0.18	145#

The data above was performed on 2023/12/19.

LTE Band 40 Upper Band(2350~2360Mhz):

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2355	10	1RB	22.19	22.4	1.050	0.065	0.07	146#
	2355	10	50%RB	21.78	22.4	1.153	0.051	0.06	147#
Head Left Tilt	2355	10	1RB	22.19	22.4	1.050	0.011	0.02	148#
	2355	10	50%RB	21.78	22.4	1.153	0.008	0.01	149#
Head Right Cheek	2355	10	1RB	22.19	22.4	1.050	0.047	0.05	150#
	2355	10	50%RB	21.78	22.4	1.153	0.037	0.05	151#
Head Right Tilt	2355	10	1RB	22.19	22.4	1.050	0.012	0.02	152#
	2355	10	50%RB	21.78	22.4	1.153	0.008	0.01	153#
Body Front (10mm)	2355	10	1RB	22.19	22.4	1.050	0.147	0.16	154#
	2355	10	50%RB	21.78	22.4	1.153	0.114	0.14	155#
Body Back (10mm)	2355	10	1RB	22.19	22.4	1.050	0.162	0.18	156#
	2355	10	50%RB	21.78	22.4	1.153	0.131	0.16	157#
Body Left (10mm)	2355	10	1RB	22.19	22.4	1.050	0.030	0.04	158#
	2355	10	50%RB	21.78	22.4	1.153	0.023	0.03	159#
Body Bottom (10mm)	2355	10	1RB	22.19	22.4	1.050	0.166	0.18	160#
	2355	10	50%RB	21.78	22.4	1.153	0.134	0.16	161#

The data above was performed on 2023/12/19.

Note: We used duty cycle is 29.99% (1:3.33) for LTE Band 40 SAR test, that is from radio report.

LTE Band 41&38:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2545	20	1RB	/	/	/	/	/	/
	2570	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.11	23.3	1.045	0.022	0.03	162#
	2645	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	22.64	23.3	1.164	0.018	0.03	163#
Head Left Tilt	2545	20	1RB	/	/	/	/	/	/
	2570	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.11	23.3	1.045	0.003	0.01	164#
	2645	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	22.64	23.3	1.164	0.004	0.01	165#
Head Right Cheek	2545	20	1RB	/	/	/	/	/	/
	2570	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.11	23.3	1.045	0.023	0.03	166#
	2645	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	22.64	23.3	1.164	0.014	0.02	167#
Head Right Tilt	2545	20	1RB	/	/	/	/	/	/
	2570	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.11	23.3	1.045	0.018	0.02	168#
	2645	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	22.64	23.3	1.164	0.014	0.02	169#
Body Front (10mm)	2545	20	1RB	/	/	/	/	/	/
	2570	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.11	23.3	1.045	0.108	0.12	170#
	2645	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	22.64	23.3	1.164	0.089	0.11	171#
Body Back (10mm)	2545	20	1RB	/	/	/	/	/	/
	2570	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.11	23.3	1.045	0.090	0.10	172#
	2645	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	22.64	23.3	1.164	0.073	0.09	173#
Body Left (10mm)	2545	20	1RB	/	/	/	/	/	/
	2570	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.11	23.3	1.045	0.047	0.05	174#
	2645	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	22.64	23.3	1.164	0.030	0.04	175#

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Body Bottom (10mm)	2545	20	1RB	/	/	/	/	/	/
	2570	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.11	23.3	1.045	0.129	0.14	176#
	2645	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	22.64	23.3	1.164	0.101	0.12	177#

The data above was performed on 2023/12/21.

Note:

1.The E-UTRA Operating Band 38 is a subset of band 41, and they are same in modulation type and rated output power, therefore, they were considered as one frequency band during SAR measurement.

2.The frequency range of LTE Band 41 is 2535~ 2655MHz. Per KDB 447498 D01, according to the following formula Calculate N_c is 4.

KDB procedures, the following should be applied to determine the number of required test channels. The test channels should be evenly spread across the transmission frequency band of each wireless mode.¹⁴

$$N_c = \text{Round} \left\{ \left[100(f_{\text{high}} - f_{\text{low}}) / f_c \right]^{0.5} \times (f_c / 100)^{0.2} \right\},$$

where

- N_c is the number of test channels, rounded to the nearest integer,
- f_{high} and f_{low} are the highest and lowest channel frequencies within the transmission band,
- f_c is the mid-band channel frequency,
- all frequencies are in MHz.

3.LTE Band 41 SAR tested were performed using Power Class 3

LTE Band 66 & 4:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.57	22.6	1.007	0.103	0.11	178#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	21.97	22.6	1.156	0.078	0.10	179#
Head Left Tilt	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.57	22.6	1.007	0.040	0.05	180#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	21.97	22.6	1.156	0.030	0.04	181#
Head Right Cheek	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.57	22.6	1.007	0.055	0.06	182#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	21.97	22.6	1.156	0.039	0.05	183#
Head Right Tilt	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.57	22.6	1.007	0.058	0.06	184#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	21.97	22.6	1.156	0.045	0.06	185#
Body Front (10mm)	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.57	22.6	1.007	0.232	0.24	186#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	21.97	22.6	1.156	0.185	0.22	187#
Body Back (10mm)	1720	20	1RB	22.55	22.7	1.035	0.802	0.84	188#
	1745	20	1RB	22.57	22.6	1.007	0.850	0.86	189#
	1770	20	1RB	22.38	22.5	1.028	0.753	0.78	190#
	1745	20	50%RB	21.97	22.6	1.156	0.661	0.77	191#
	1745	20	100%RB	21.74	22.6	1.219	0.651	0.79	192#
Body Left (10mm)	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.57	22.6	1.007	0.177	0.18	193#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	21.97	22.6	1.156	0.140	0.17	194#
Body Bottom (10mm)	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.57	22.6	1.007	0.667	0.68	195#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	21.97	22.6	1.156	0.525	0.61	196#

The data above was performed on 2023/12/16.

Note: The E-UTRA Operating Band 4 is a subset of band 66, and they are same in modulation type and rated output power, therefore, they were considered as one frequency band during SAR measurement.

Note:

1. When the 1-g SAR is $\leq 0.8 \text{ W/Kg}$, testing for other channels are optional.
2. SAR for LTE band exposure configurations is measured according to the procedures of KDB 941225 D05 SAR for LTE Devices v02.
3. KDB941225D05-SAR for higher order modulation is required only when the highest maximum output power for the configuration in the higher order modulation is $> 0.5 \text{ dB}$ higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is $> 1.45 \text{ W/kg}$
4. KDB941225D05-For QPSK with 100% RB allocation, when the reported SAR measured for the Highest output power channel is $< 1.45 \text{ W/kg}$, tests for the remaining required test channels are optional.
5. KDB941225D05- For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are $\leq 0.8 \text{ W/kg}$.
6. KDB941225D05- 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 offset the upper edge, middle and lower edge of each required test channel.
7. KDB941225D05- other channel bandwidths SAR test is required when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> 0.5 \text{ dB}$ 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 $> 1.45 \text{ W/kg}$.
8. Worst case SAR for 50% RB allocation is selected to be tested.

5G NR n2:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.88	23.1	1.052	0.048	0.06	197#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	23.00	23.1	1.023	0.052	0.06	198#
Head Left Tilt	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.88	23.1	1.052	0.015	0.02	199#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	23.00	23.1	1.023	0.012	0.02	200#
Head Right Cheek	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.88	23.1	1.052	0.026	0.03	201#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	23.00	23.1	1.023	0.022	0.03	202#
Head Right Tilt	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.88	23.1	1.052	0.012	0.02	203#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	23.00	23.1	1.023	0.011	0.02	204#
Body Front (10mm)	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.88	23.1	1.052	0.196	0.21	205#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	23.00	23.1	1.023	0.200	0.21	206#
Body Back (10mm)	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.88	23.1	1.052	0.561	0.60	207#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	23.00	23.1	1.023	0.537	0.55	208#
Body Left (10mm)	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.88	23.1	1.052	0.084	0.09	209#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	23.00	23.1	1.023	0.084	0.09	210#
Body Bottom (10mm)	1860	20	1RB	/	/	/	/	/	/
	1880	20	1RB	22.88	23.1	1.052	0.632	0.67	211#
	1900	20	1RB	/	/	/	/	/	/
	1880	20	50%RB	23.00	23.1	1.023	0.645	0.66	212#

The data above was performed on 2023/12/18.

5G NR n26&5:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	824	20	1RB	/	/	/	/	/	/
	831.5	20	1RB	25.01	25.1	1.021	0.023	0.03	213#
	839	20	1RB	/	/	/	/	/	/
	831.5	20	50%RB	24.87	25.1	1.054	0.026	0.03	214#
Head Left Tilt	824	20	1RB	/	/	/	/	/	/
	831.5	20	1RB	25.01	25.1	1.021	0.015	0.02	215#
	839	20	1RB	/	/	/	/	/	/
	831.5	20	50%RB	24.87	25.1	1.054	0.017	0.02	216#
Head Right Cheek	824	20	1RB	/	/	/	/	/	/
	831.5	20	1RB	25.01	25.1	1.021	0.021	0.03	217#
	839	20	1RB	/	/	/	/	/	/
	831.5	20	50%RB	24.87	25.1	1.054	0.027	0.03	218#
Head Right Tilt	824	20	1RB	/	/	/	/	/	/
	831.5	20	1RB	25.01	25.1	1.021	0.011	0.02	219#
	839	20	1RB	/	/	/	/	/	/
	831.5	20	50%RB	24.87	25.1	1.054	0.013	0.02	220#
Body Front (10mm)	824	20	1RB	/	/	/	/	/	/
	831.5	20	1RB	25.01	25.1	1.021	0.034	0.04	221#
	839	20	1RB	/	/	/	/	/	/
	831.5	20	50%RB	24.87	25.1	1.054	0.039	0.05	222#
Body Back (10mm)	824	20	1RB	/	/	/	/	/	/
	831.5	20	1RB	25.01	25.1	1.021	0.054	0.06	223#
	839	20	1RB	/	/	/	/	/	/
	831.5	20	50%RB	24.87	25.1	1.054	0.064	0.07	224#
Body Left (10mm)	824	20	1RB	/	/	/	/	/	/
	831.5	20	1RB	25.01	25.1	1.021	0.034	0.04	225#
	839	20	1RB	/	/	/	/	/	/
	831.5	20	50%RB	24.87	25.1	1.054	0.037	0.04	226#
Body Bottom (10mm)	824	20	1RB	/	/	/	/	/	/
	831.5	20	1RB	25.01	25.1	1.021	0.035	0.04	227#
	839	20	1RB	/	/	/	/	/	/
	831.5	20	50%RB	24.87	25.1	1.054	0.040	0.05	228#

The data above was performed on 2023/12/15.

Note: The 5G NR n5 is a subset of n26, and they are same in modulation type and rated output power, therefore, they were considered as one frequency band during SAR measurement.

5G NR n7:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	21.95	22.1	1.035	0.041	0.05	229#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.89	22.1	1.050	0.045	0.05	230#
Head Left Tilt	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	21.95	22.1	1.035	0.010	0.02	231#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.89	22.1	1.050	0.007	0.01	232#
Head Right Cheek	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	21.95	22.1	1.035	0.038	0.04	233#
	2560	20	1RB	/	/	/	/	/	/
	2535	20	50%RB	21.89	22.1	1.050	0.030	0.04	234#
Head Right Tilt	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	21.95	22.1	1.035	0.030	0.04	235#
	2560	20	1RB	/	/	/	/	/	/
	2535	20	50%RB	21.89	22.1	1.050	0.026	0.03	236#
Body Front (10mm)	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	21.95	22.1	1.035	0.122	0.13	237#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.89	22.1	1.050	0.117	0.13	238#
Body Back (10mm)	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	21.95	22.1	1.035	0.191	0.20	239#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.89	22.1	1.050	0.190	0.20	240#
Body Left (10mm)	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	21.95	22.1	1.035	0.086	0.09	241#
	2560	20	1RB	/	/	/	/	/	/
	2510	20	50%RB	21.89	22.1	1.050	0.086	0.10	242#
Body Bottom (10mm)	2510	20	1RB	/	/	/	/	/	/
	2535	20	1RB	21.95	22.1	1.035	0.166	0.18	243#
	2560	20	1RB	/	/	/	/	/	/
	2535	20	50%RB	21.89	22.1	1.050	0.164	0.18	244#

The data above was performed on 2023/12/20.

5G NR n38:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2580	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.20	23.4	1.047	0.023	0.03	245#
	2610	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	23.15	23.4	1.059	0.023	0.03	246#
Head Left Tilt	2580	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.20	23.4	1.047	0.004	0.01	247#
	2610	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	23.15	23.4	1.059	0.006	0.01	248#
Head Right Cheek	2580	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.20	23.4	1.047	0.016	0.02	249#
	2610	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	23.15	23.4	1.059	0.014	0.02	250#
Head Right Tilt	2580	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.20	23.4	1.047	0.015	0.02	251#
	2610	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	23.15	23.4	1.059	0.014	0.02	252#
Body Front (10mm)	2580	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.20	23.4	1.047	0.043	0.05	253#
	2610	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	23.15	23.4	1.059	0.042	0.05	254#
Body Back (10mm)	2580	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.20	23.4	1.047	0.048	0.06	255#
	2610	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	23.15	23.4	1.059	0.045	0.05	256#
Body Left (10mm)	2580	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.20	23.4	1.047	0.021	0.03	257#
	2610	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	23.15	23.4	1.059	0.021	0.03	258#
Body Bottom (10mm)	2580	20	1RB	/	/	/	/	/	/
	2595	20	1RB	23.20	23.4	1.047	0.052	0.06	259#
	2610	20	1RB	/	/	/	/	/	/
	2595	20	50%RB	23.15	23.4	1.059	0.052	0.06	260#

The data above was performed on 2023/12/18.

5G NR n41:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2585	100	1RB	/	/	/	/	/	/
	2595	100	1RB	22.28	22.7	1.102	0.016	0.02	261#
	2605	100	1RB	/	/	/	/	/	/
	2595	100	50%RB	22.19	22.7	1.125	0.017	0.02	262#
Head Left Tilt	2585	100	1RB	/	/	/	/	/	/
	2595	100	1RB	22.28	22.7	1.102	0.014	0.02	263#
	2605	100	1RB	/	/	/	/	/	/
	2595	100	50%RB	22.19	22.7	1.125	0.023	0.03	264#
Head Right Cheek	2585	100	1RB	/	/	/	/	/	/
	2595	100	1RB	22.28	22.7	1.102	0.038	0.05	265#
	2605	100	1RB	/	/	/	/	/	/
	2595	100	50%RB	22.19	22.7	1.125	0.046	0.06	266#
Head Right Tilt	2585	100	1RB	/	/	/	/	/	/
	2595	100	1RB	22.28	22.7	1.102	0.008	0.01	267#
	2605	100	1RB	/	/	/	/	/	/
	2595	100	50%RB	22.19	22.7	1.125	0.014	0.02	268#
Body Front (10mm)	2585	100	1RB	/	/	/	/	/	/
	2595	100	1RB	22.28	22.7	1.102	0.042	0.05	269#
	2605	100	1RB	/	/	/	/	/	/
	2595	100	50%RB	22.19	22.7	1.125	0.059	0.07	270#
Body Back (10mm)	2585	100	1RB	/	/	/	/	/	/
	2595	100	1RB	22.28	22.7	1.102	0.062	0.07	271#
	2605	100	1RB	/	/	/	/	/	/
	2595	100	50%RB	22.19	22.7	1.125	0.083	0.10	272#
Body Right (10mm)	2585	100	1RB	/	/	/	/	/	/
	2595	100	1RB	22.28	22.7	1.102	0.055	0.07	273#
	2605	100	1RB	/	/	/	/	/	/
	2595	100	50%RB	22.19	22.7	1.125	0.080	0.09	274#
Body Bottom (10mm)	2585	100	1RB	/	/	/	/	/	/
	2595	100	1RB	22.28	22.7	1.102	0.049	0.06	275#
	2605	100	1RB	/	/	/	/	/	/
	2595	100	50%RB	22.19	22.7	1.125	0.064	0.08	276#

The data above was performed on 2023/12/21.

Note:

1. The frequency range of 5G NR n41 is 2535~2655MHz. Per KDB 447498 D01, according to the following formula Calculate N_c is 2.

KDB procedures, the following should be applied to determine the number of required test channels. The test channels should be evenly spread across the transmission frequency band of each wireless mode.¹⁴

$$N_c = \text{Round} \left\{ \left[100(f_{\text{high}} - f_{\text{low}}) / f_c \right]^{0.5} \times (f_c / 100)^{0.2} \right\},$$

where

- N_c is the number of test channels, rounded to the nearest integer,
- f_{high} and f_{low} are the highest and lowest channel frequencies within the transmission band,
- f_c is the mid-band channel frequency,
- all frequencies are in MHz.

5G NR n66:

EUT Position	Frequency (MHz)	Bandwidth (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)			
						Scaled Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.78	23.0	1.052	0.049	0.06	277#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	22.71	23.0	1.069	0.045	0.05	278#
Head Left Tilt	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.78	23.0	1.052	0.022	0.03	279#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	22.71	23.0	1.069	0.020	0.03	280#
Head Right Cheek	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.78	23.0	1.052	0.013	0.02	281#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	22.71	23.0	1.069	0.015	0.02	282#
Head Right Tilt	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.78	23.0	1.052	0.023	0.03	283#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	22.71	23.0	1.069	0.022	0.03	284#
Body Front (10mm)	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.78	23.0	1.052	0.235	0.25	285#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	22.71	23.0	1.069	0.238	0.26	286#
Body Back (10mm)	1720	20	1RB	22.76	23.0	1.057	0.842	0.89	287#
	1745	20	1RB	22.78	23.0	1.052	0.834	0.88	288#
	1770	20	1RB	22.64	23.0	1.086	0.719	0.79	289#
	1720	20	50%RB	22.67	23.0	1.079	0.862	0.94	290#
	1745	20	50%RB	22.71	23.0	1.069	0.877	0.94	291#
	1770	20	50%RB	22.56	23.0	1.107	0.718	0.80	292#
	1720	20	100%RB	22.16	23.0	1.213	0.866	1.06	293#
	1745	20	100%RB	21.95	23.0	1.274	0.829	1.06	294#
	1770	20	100%RB	21.92	23.0	1.282	0.682	0.88	295#
Body Left (10mm)	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.78	23.0	1.052	0.156	0.17	296#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	22.71	23.0	1.069	0.161	0.18	297#
Body Bottom (10mm)	1720	20	1RB	/	/	/	/	/	/
	1745	20	1RB	22.78	23.0	1.052	0.649	0.69	298#
	1770	20	1RB	/	/	/	/	/	/
	1745	20	50%RB	22.71	23.0	1.069	0.664	0.71	299#

The data above was performed on 2023/12/16.

Note:

1. SAR test for NR bands and LTE anchor Bands were performed separately due to limitations in SAR probe calibration factors. And, due to test setup limitations, SR testing for NR was performed using test mode software to establish the connection.
2. FR1 supported standalone.
3. KDB941225D05-SAR for higher order modulation is required only when the highest maximum output power for the configuration in the higher order modulation is > 0.5 dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg
4. KDB941225D05-For QPSK with 100% RB allocation, when the reported SAR measured for the Highest output power channel is < 1.45 W/kg, tests for the remaining required test channels are optional.
5. KDB941225D05- For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg.
6. KDB941225D05- 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 offset the upper edge, middle and lower edge of each required test channel.
7. KDB941225D05- other channel bandwidths SAR test is required when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > 0.5 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.

WLAN 2.4G (CH 0):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.14	15.3	1.038	1.009	0.080	0.09	300#
	2462	802.11b	/	/	/	/	/	/	/
Head Left Tilt	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.14	15.3	1.038	1.009	0.052	0.06	301#
	2462	802.11b	/	/	/	/	/	/	/
Head Right Cheek	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.14	15.3	1.038	1.009	0.036	0.04	302#
	2462	802.11b	/	/	/	/	/	/	/
Head Right Tilt	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.14	15.3	1.038	1.009	0.030	0.04	303#
	2462	802.11b	/	/	/	/	/	/	/
Body Front (10mm)	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.14	15.3	1.038	1.009	0.023	0.03	304#
	2462	802.11b	/	/	/	/	/	/	/
Body Back (10mm)	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.14	15.3	1.038	1.009	0.063	0.07	305#
	2462	802.11b	/	/	/	/	/	/	/
Body Right (10mm)	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.14	15.3	1.038	1.009	0.122	0.13	306#
	2462	802.11b	/	/	/	/	/	/	/
Body Top (10mm)	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.14	15.3	1.038	1.009	0.025	0.03	307#
	2462	802.11b	/	/	/	/	/	/	/

The data above was performed on 2023/12/21.

Modulation Mode	Pavg (dBm)	Pavg (mW)	Measured SAR (W/kg)	Adjusted SAR (W/kg)	Limit(W/kg)	SAR Test Exclusion
802.11b(DSSS)	15.3	33.88	0.13	/	/	/
802.11g(OFDM)	16.4	43.65	/	0.17	1.2	Yes
802.11n HT20(OFDM)	16.4	43.65	/	0.17	1.2	Yes
802.11n HT40(OFDM)	13.2	20.89	/	0.08	1.2	Yes

Note:

1. When the 1-g SAR is ≤ 0.8 W/kg, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. KDB 248227 D01-SAR measurement is not required for 2.4 GHz OFDM(802.11g/n) when the highest reported SAR for DSSS(802.11b) is ≤ 1.2 W/kg, and the output power for DSSS is not less than that for OFDM.

WLAN 5.2G (CH 0):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	13.73	13.8	1.016	1.039	0.073	0.08	308#
Head Left Tilt	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	13.73	13.8	1.016	1.039	0.065	0.07	309#
Head Right Cheek	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	13.73	13.8	1.016	1.039	0.049	0.06	310#
Head Right Tilt	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	13.73	13.8	1.016	1.039	0.048	0.06	311#
Body Front (10mm)	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	13.73	13.8	1.016	1.039	0.022	0.03	312#
Body Back (10mm)	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	13.73	13.8	1.016	1.039	0.244	0.26	313#
Body Right (10mm)	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	13.73	13.8	1.016	1.039	0.131	0.14	314#
Body Top (10mm)	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	13.73	13.8	1.016	1.039	0.037	0.04	315#

The data above was performed on 2023/12/22.

Note:

1. When the SAR value is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. For 802.11ac40 mode power is the largest among 802.11a/ac20/ac40/ac80, 802.11 ac40 mode as initial test configuration is selected to test.

WLAN 5.3G (CH 0):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	5270	802.11ac40	14.18	14.3	1.028	1.039	0.064	0.07	316#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Head Left Tilt	5270	802.11ac40	14.18	14.3	1.028	1.039	0.048	0.06	317#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Head Right Cheek	5270	802.11ac40	14.18	14.3	1.028	1.039	0.040	0.05	318#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Head Right Tilt	5270	802.11ac40	14.18	14.3	1.028	1.039	0.042	0.05	319#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Body Front (10mm)	5270	802.11ac40	14.18	14.3	1.028	1.039	0.018	0.02	320#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Body Back (10mm)	5270	802.11ac40	14.18	14.3	1.028	1.039	0.205	0.22	321#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Body Right (10mm)	5270	802.11ac40	14.18	14.3	1.028	1.039	0.100	0.11	322#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Body Top (10mm)	5270	802.11ac40	14.18	14.3	1.028	1.039	0.035	0.04	323#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/

The data above was performed on 2023/12/22.

Note:

1. When the SAR value is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. For 802.11ac40 mode power is the largest among 802.11a/ac20/ac40/ac80, 802.11 ac40 mode as initial test configuration is selected to test.

WLAN 5.6G (CH 0):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	13.12	13.3	1.042	1.039	0.056	0.07	324#
	5670	802.11ac40	/	/	/	/	/	/	/
Head Left Tilt	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	13.12	13.3	1.042	1.039	0.055	0.06	325#
	5670	802.11ac40	/	/	/	/	/	/	/
Head Right Cheek	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	13.12	13.3	1.042	1.039	0.059	0.07	326#
	5670	802.11ac40	/	/	/	/	/	/	/
Head Right Tilt	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	13.12	13.3	1.042	1.039	0.051	0.06	327#
	5670	802.11ac40	/	/	/	/	/	/	/
Body Front (10mm)	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	13.12	13.3	1.042	1.039	0.009	0.01	328#
	5670	802.11ac40	/	/	/	/	/	/	/
Body Back (10mm)	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	13.12	13.3	1.042	1.039	0.197	0.22	329#
	5670	802.11ac40	/	/	/	/	/	/	/
Body Right (10mm)	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	13.12	13.3	1.042	1.039	0.084	0.10	330#
	5670	802.11ac40	/	/	/	/	/	/	/
Body Top (10mm)	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	13.12	13.3	1.042	1.039	0.045	0.05	331#
	5670	802.11ac40	/	/	/	/	/	/	/

The data above was performed on 2023/12/23.

Note:

1. When the SAR value is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. For 802.11ac40 mode power is the largest among 802.11a/ac20/ac40/ac80, 802.11ac40 mode as initial test configuration is selected to test.

WLAN 5.8G (CH 0):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	5755	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	12.45	12.6	1.035	1.039	0.022	0.03	332#
Head Left Tilt	5755	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	12.45	12.6	1.035	1.039	0.030	0.04	333#
Head Right Cheek	5755	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	12.45	12.6	1.035	1.039	0.033	0.04	334#
Head Right Tilt	5755	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	12.45	12.6	1.035	1.039	0.008	0.01	335#
Body Front (10mm)	5755	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	12.45	12.6	1.035	1.039	0.004	0.01	336#
Body Back (10mm)	5755	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	12.45	12.6	1.035	1.039	0.090	0.10	337#
Body Right (10mm)	5755	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	12.45	12.6	1.035	1.039	0.024	0.03	338#
Body Top (10mm)	5755	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	12.45	12.6	1.035	1.039	0.029	0.04	339#

The data above was performed on 2023/12/23.

Note:

1. When the SAR value is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. For 802.11ac40 mode power is the largest among 802.11a/ac20/ac40/ac80, 802.11 ac40 mode as initial test configuration is selected to test.

WLAN 2.4G (CH 1):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.02	15.3	1.067	1.009	0.131	0.15	340#
	2462	802.11b	/	/	/	/	/	/	/
Head Left Tilt	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.02	15.3	1.067	1.009	0.068	0.08	341#
	2462	802.11b	/	/	/	/	/	/	/
Head Right Cheek	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.02	15.3	1.067	1.009	0.078	0.09	342#
	2462	802.11b	/	/	/	/	/	/	/
Head Right Tilt	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.02	15.3	1.067	1.009	0.041	0.05	343#
	2462	802.11b	/	/	/	/	/	/	/
Body Front (10mm)	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.02	15.3	1.067	1.009	0.030	0.04	344#
	2462	802.11b	/	/	/	/	/	/	/
Body Back (10mm)	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.02	15.3	1.067	1.009	0.057	0.07	345#
	2462	802.11b	/	/	/	/	/	/	/
Body Right (10mm)	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.02	15.3	1.067	1.009	0.057	0.07	346#
	2462	802.11b	/	/	/	/	/	/	/
Body Top (10mm)	2412	802.11b	/	/	/	/	/	/	/
	2437	802.11b	15.02	15.3	1.067	1.009	0.025	0.03	347#
	2462	802.11b	/	/	/	/	/	/	/

The data above was performed on 2023/12/20.

Modulation Mode	Pavg (dBm)	Pavg (mW)	Measured SAR (W/kg)	Adjusted SAR (W/kg)	Limit(W/kg)	SAR Test Exclusion
802.11b(DSSS)	15.3	33.88	0.15	/	/	/
802.11g(OFDM)	16.7	46.77	/	0.21	1.2	Yes
802.11n HT20(OFDM)	16.6	45.71	/	0.20	1.2	Yes
802.11n HT40(OFDM)	14.5	28.18	/	0.12	1.2	Yes

Note:

1. When the 1-g SAR is ≤ 0.8 W/kg, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. KDB 248227 D01-SAR measurement is not required for 2.4 GHz OFDM(802.11g/n) when the highest reported SAR for DSSS(802.11b) is ≤ 1.2 W/kg, and the output power for DSSS is not less than that for OFDM.

WLAN 5.2G (CH 1):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	12.93	13.1	1.040	1.039	0.131	0.15	348#
Head Left Tilt	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	12.93	13.1	1.040	1.039	0.148	0.16	349#
Head Right Cheek	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	12.93	13.1	1.040	1.039	0.107	0.12	350#
Head Right Tilt	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	12.93	13.1	1.040	1.039	0.136	0.15	351#
Body Front (10mm)	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	12.93	13.1	1.040	1.039	0.024	0.03	352#
Body Back (10mm)	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	12.93	13.1	1.040	1.039	0.092	0.10	353#
Body Right (10mm)	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	12.93	13.1	1.040	1.039	0.035	0.04	354#
Body Top (10mm)	5190	802.11ac40	/	/	/	/	/	/	/
	/	802.11ac40	/	/	/	/	/	/	/
	5230	802.11ac40	12.93	13.1	1.040	1.039	0.012	0.02	355#

The data above was performed on 2023/12/22.

Note:

1. When the SAR value is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. For 802.11ac40 mode power is the largest among 802.11a/ac20/ac40/ac80, 802.11 ac40 mode as initial test configuration is selected to test.

WLAN 5.3G (CH 1):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	5270	802.11ac40	13.59	13.7	1.026	1.039	0.092	0.10	356#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Head Left Tilt	5270	802.11ac40	13.59	13.7	1.026	1.039	0.104	0.12	357#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Head Right Cheek	5270	802.11ac40	13.59	13.7	1.026	1.039	0.045	0.05	358#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Head Right Tilt	5270	802.11ac40	13.59	13.7	1.026	1.039	0.067	0.08	359#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Body Front (10mm)	5270	802.11ac40	13.59	13.7	1.026	1.039	0.022	0.03	360#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Body Back (10mm)	5270	802.11ac40	13.59	13.7	1.026	1.039	0.064	0.07	361#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Body Right (10mm)	5270	802.11ac40	13.59	13.7	1.026	1.039	0.023	0.03	362#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/
Body Top (10mm)	5270	802.11ac40	13.59	13.7	1.026	1.039	0.014	0.02	363#
	/	802.11ac40	/	/	/	/	/	/	/
	5310	802.11ac40	/	/	/	/	/	/	/

The data above was performed on 2023/12/22.

Note:

1. When the SAR value is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. For 802.11ac40 mode power is the largest among 802.11a/ac20/ac40/ac80, 802.11 ac40 mode as initial test configuration is selected to test.

WLAN 5.6G (CH 1):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	14.35	14.5	1.035	1.039	0.186	0.20	364#
	5670	802.11ac40	/	/	/	/	/	/	/
Head Left Tilt	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	14.35	14.5	1.035	1.039	0.228	0.25	365#
	5670	802.11ac40	/	/	/	/	/	/	/
Head Right Cheek	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	14.35	14.5	1.035	1.039	0.195	0.21	366#
	5670	802.11ac40	/	/	/	/	/	/	/
Head Right Tilt	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	14.35	14.5	1.035	1.039	0.210	0.23	367#
	5670	802.11ac40	/	/	/	/	/	/	/
Body Front (10mm)	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	14.35	14.5	1.035	1.039	0.020	0.03	368#
	5670	802.11ac40	/	/	/	/	/	/	/
Body Back (10mm)	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	14.35	14.5	1.035	1.039	0.137	0.15	369#
	5670	802.11ac40	/	/	/	/	/	/	/
Body Right (10mm)	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	14.35	14.5	1.035	1.039	0.065	0.07	370#
	5670	802.11ac40	/	/	/	/	/	/	/
Body Top (10mm)	5510	802.11ac40	/	/	/	/	/	/	/
	5550	802.11ac40	14.35	14.5	1.035	1.039	0.143	0.16	371#
	5670	802.11ac40	/	/	/	/	/	/	/

The data above was performed on 2023/12/23.

Note:

1. When the SAR value is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. For 802.11ac40 mode power is the largest among 802.11a/ac20/ac40/ac80, 802.11 ac40 mode as initial test configuration is selected to test.

WLAN 5.8G (CH 1):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	5755	802.11ac40	14.39	14.5	1.026	1.039	0.210	0.23	372#
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	/	/	/	/	/	/	/
Head Left Tilt	5755	802.11ac40	14.39	14.5	1.026	1.039	0.228	0.25	373#
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	/	/	/	/	/	/	/
Head Right Cheek	5755	802.11ac40	14.39	14.5	1.026	1.039	0.118	0.13	374#
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	/	/	/	/	/	/	/
Head Right Tilt	5755	802.11ac40	14.39	14.5	1.026	1.039	0.183	0.20	375#
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	/	/	/	/	/	/	/
Body Front (10mm)	5755	802.11ac40	14.39	14.5	1.026	1.039	0.049	0.06	376#
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	/	/	/	/	/	/	/
Body Back (10mm)	5755	802.11ac40	14.39	14.5	1.026	1.039	0.087	0.10	377#
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	/	/	/	/	/	/	/
Body Right (10mm)	5755	802.11ac40	14.39	14.5	1.026	1.039	0.038	0.05	378#
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	/	/	/	/	/	/	/
Body Top (10mm)	5755	802.11ac40	14.39	14.5	1.026	1.039	0.190	0.21	379#
	/	802.11ac40	/	/	/	/	/	/	/
	5795	802.11ac40	/	/	/	/	/	/	/

The data above was performed on 2023/12/23.

Note:

1. When the SAR value is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. For 802.11ac20 mode power is the largest among 802.11a/ac20/ac40/ac80, 802.11 ac20 mode as initial test configuration is selected to test.

Bluetooth (CH 0):

EUT Position	Frequency (MHz)	Test Mode	Max. Meas. Power (dBm)	Max. Rated Power (dBm)	1g SAR (W/kg)				
					Scaled Factor	Duty cycle Factor	Meas. SAR	Scaled SAR	Plot
Head Left Cheek	2402	BDR(GFSK)	/	/	/	/	/	/	/
	2441	BDR(GFSK)	11.89	12.0	1.026	1.248	0.032	0.05	380#
	2480	BDR(GFSK)	/	/	/	/	/	/	/
Head Left Tilt	2402	BDR(GFSK)	/	/	/	/	/	/	/
	2441	BDR(GFSK)	11.89	12.0	1.026	1.248	0.010	0.02	381#
	2480	BDR(GFSK)	/	/	/	/	/	/	/
Head Right Cheek	2402	BDR(GFSK)	/	/	/	/	/	/	/
	2441	BDR(GFSK)	11.89	12.0	1.026	1.248	0.016	0.03	382#
	2480	BDR(GFSK)	/	/	/	/	/	/	/
Head Right Tilt	2402	BDR(GFSK)	/	/	/	/	/	/	/
	2441	BDR(GFSK)	11.89	12.0	1.026	1.248	0.017	0.03	383#
	2480	BDR(GFSK)	/	/	/	/	/	/	/
Body Front (10mm)	2402	BDR(GFSK)	/	/	/	/	/	/	/
	2441	BDR(GFSK)	11.89	12.0	1.026	1.248	0.013	0.02	384#
	2480	BDR(GFSK)	/	/	/	/	/	/	/
Body Back (10mm)	2402	BDR(GFSK)	/	/	/	/	/	/	/
	2441	BDR(GFSK)	11.89	12.0	1.026	1.248	0.016	0.03	385#
	2480	BDR(GFSK)	/	/	/	/	/	/	/
Body Right (10mm)	2402	BDR(GFSK)	/	/	/	/	/	/	/
	2441	BDR(GFSK)	11.89	12.0	1.026	1.248	0.008	0.02	386#
	2480	BDR(GFSK)	/	/	/	/	/	/	/
Body Top (10mm)	2402	BDR(GFSK)	/	/	/	/	/	/	/
	2441	BDR(GFSK)	11.89	12.0	1.026	1.248	0.001	0.01	387#
	2480	BDR(GFSK)	/	/	/	/	/	/	/

The data above was performed on 2023/12/19.

Note:

1. When the 1-g SAR is less than half of the limit, testing for other channels are optional.
2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
3. For BLE 1M mode power is the largest among BLE and BDR/EDR mode as initial test configuration is selected to test.
4. According 2016 Oct. TCB, for SAR testing of Bluetooth mode signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)".

9. Measurement Variability

In accordance with published RF Exposure KDB procedure 865664 D01 SAR measurement 100 MHz to 6 GHz v01. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

Note: The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

The Highest Measured SAR Configuration in Each Frequency Band

Head

SAR probe calibration point	Frequency Band	Freq.(MHz)	EUT Position	Meas. SAR (W/kg)		Largest to Smallest SAR Ratio
				Original	Repeated	
/	/	/	/	/	/	/

Body

SAR probe calibration point	Frequency Band	Freq.(MHz)	EUT Position	Meas. SAR (W/kg)		Largest to Smallest SAR Ratio
				Original	Repeated	
1900MHz (1850-2000MHz)	WCDMA Band 4	1732.6	Head Right Cheek	0.936	0.924	1.01
1900MHz (1850-2000MHz)	LTE Band 2	1880	Head Right Tilt	0.836	0.814	1.03
1750MHz (1850-2000MHz)	LTE Band 66&4	1745	Head Right Tilt	0.850	0.828	1.03
1750MHz (1850-2000MHz)	5G NR n66	1745	Head Right Tilt	0.877	0.854	1.03

Note:

1. Second Repeated Measurement is not required since the ratio of the largest to smallest SAR for the original and first repeated measurement is not > 1.20 .
2. The measured SAR results **do not** have to be scaled to the maximum tune-up tolerance to determine if repeated measurements are required.
3. SAR measurement variability must be assessed for each frequency band, which is determined by the **SAR probe calibration point and tissue-equivalent medium** used for the device measurements.

10. SAR SIMULTANEOUS TRANSMISSION DESCRIPTION

Simultaneous Transmission:

Description of Simultaneous Transmit Capabilities		
Transmitter Combination	Simultaneous?	Hotspot?
WWAN (GSM/WCDMA/LTE/5G NR) + Bluetooth	√	×
WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 2.4G/5G(CH 0)	√	√
WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 2.4G/5G(CH 1)	√	√
WWAN (GSM/WCDMA/LTE/5G NR) + NFC	√	×
WLAN 2.4G/5G (CH 0/CH 1) + NFC	√	×
Bluetooth + NFC	√	×
Bluetooth + WLAN 2.4G/5G(CH 0)	×	×
Bluetooth + WLAN 2.4G/5G(CH 1)	×	×
WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 2.4G (CH 0) + WLAN 2.4G (CH 1)	√	√
WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 5G (CH 0) + WLAN 5G (CH 1)	√	√
WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 2.4G (CH 0) + WLAN 2.4G (CH 1) + NFC	√	√
WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 5G (CH 0) + WLAN 5G (CH 1) + NFC	√	√
WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 2.4G (CH 0) + WLAN 5G (CH 1)	×	×
WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 5G (CH 0) + WLAN 2.4G (CH 1)	×	×

Simultaneous SAR test exclusion considerations:

Mode(SAR1+SAR2)	Position	Reported SAR(W/kg)		Σ SAR < 1.6W/kg
		SAR1	SAR2	
MAX.WWAN(GSM/WCDMA/LTE/5G NR)+ Bluetooth	Head Left Cheek	0.11	0.05	0.16
	Head Left Tilt	0.06	0.02	0.08
	Head Right Cheek	0.17	0.03	0.20
	Head Right Tilt	0.06	0.03	0.09
	Body Front	0.31	0.02	0.33
	Body Back	1.06	0.03	1.09

Mode (SAR1+SAR2+SAR3)	Position	Reported SAR(W/kg)			Σ SAR < 1.6W/kg
		SAR1	SAR2	SAR3	
MAX.WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 2.4G (CH 0) + WLAN 2.4G (CH 1)	Head Left Cheek	0.11	0.09	0.15	0.35
	Head Left Tilt	0.06	0.06	0.08	0.20
	Head Right Cheek	0.17	0.04	0.09	0.30
	Head Right Tilt	0.06	0.04	0.05	0.15
MAX.WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 2.4G (CH 0) + WLAN 2.4G (CH 1) (Hotspot)	Body Front	0.31	0.03	0.04	0.38
	Body Back	1.06	0.07	0.07	1.20
	Body Left	0.24	N/A	N/A	N/A
	Body Right	0.09	0.13	0.07	0.29
	Body Top	N/A	0.03	0.03	N/A
	Body Bottom	0.85	N/A	N/A	N/A

Mode (SAR1+SAR2+SAR3)	Position	Reported SAR(W/kg)			Σ SAR < 1.6W/kg
		SAR1	SAR2	SAR3	
MAX.WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 5G (CH 0) + WLAN 5G (CH 1)	Head Left Cheek	0.11	0.08	0.23	0.42
	Head Left Tilt	0.06	0.07	0.25	0.38
	Head Right Cheek	0.17	0.07	0.21	0.45
	Head Right Tilt	0.06	0.06	0.23	0.35
MAX.WWAN (GSM/WCDMA/LTE/5G NR) + WLAN 5G (CH 0) + WLAN 5G (CH 1) (Hotspot)	Body Front	0.31	0.03	0.06	0.40
	Body Back	1.06	0.26	0.15	1.47
	Body Left	0.24	N/A	N/A	N/A
	Body Right	0.09	0.14	0.07	0.30
	Body Top	N/A	0.05	0.21	0.26
	Body Bottom	0.85	N/A	N/A	N/A

Note:

For the EIRP of NFC is 0.0013mW, per KDB447498 D01 clause 4.3, the estimated SAR is so lower, so the NFC almost have no influence on the results of simultaneous transmission.

Conclusion:

Sum of SAR: Σ SAR $\leq$ 1.6 W/kg therefore simultaneous transmission SAR with Volume Scans is **not required**.

11. SAR Plots

Please Refer to the Attachment.

APPENDIX A MEASUREMENT UNCERTAINTY

The uncertainty budget has been determined for the measurement system and is given in the following Table.

Measurement uncertainty evaluation for IEEE1528-2013 SAR test

Source of uncertainty	Tolerance/ uncertainty ± %	Probability distribution	Divisor	ci (1 g)	ci (10 g)	Standard uncertainty ± %, (1 g)	Standard uncertainty ± %, (10 g)
Measurement system							
Probe calibration	6.55	N	1	1	1	6.3	6.3
Axial Isotropy	4.7	R	$\sqrt{3}$	1	1	2.7	2.7
Hemispherical Isotropy	9.6	R	$\sqrt{3}$	0	0	0.0	0.0
Boundary effect	1.0	R	$\sqrt{3}$	1	1	0.6	0.6
Linearity	4.7	R	$\sqrt{3}$	1	1	2.7	2.7
Detection limits	1.0	R	$\sqrt{3}$	1	1	0.6	0.6
Readout electronics	0.3	N	1	1	1	0.3	0.3
Response time	0.0	R	$\sqrt{3}$	1	1	0.0	0.0
Integration time	0.0	R	$\sqrt{3}$	1	1	0.0	0.0
RF ambient conditions – noise	1.0	R	$\sqrt{3}$	1	1	0.6	0.6
RF ambient conditions– reflections	1.0	R	$\sqrt{3}$	1	1	0.6	0.6
Probe positioner mech. Restrictions	0.8	R	$\sqrt{3}$	1	1	0.5	0.5
Probe positioning with respect to phantom shell	6.7	R	$\sqrt{3}$	1	1	3.9	3.9
Post-processing	2.0	R	$\sqrt{3}$	1	1	1.2	1.2
Test sample related							
Test sample positioning	2.8	N	1	1	1	2.8	2.8
Device holder uncertainty	6.3	N	1	1	1	6.3	6.3
Drift of output power	5.0	R	$\sqrt{3}$	1	1	2.9	2.9
Phantom and set-up							
Phantom uncertainty (shape and thickness tolerances)	4.0	R	$\sqrt{3}$	1	1	2.3	2.3
Liquid conductivity target)	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2
Liquid conductivity meas.)	2.5	N	1	0.64	0.43	1.6	1.1
Liquid permittivity target)	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4
Liquid permittivity meas.)	2.5	N	1	0.6	0.49	1.5	1.2
Combined standard uncertainty		RSS				12.2	12.0
Expanded uncertainty 95 % confidence interval)						24.1	23.7

Measurement uncertainty evaluation for IEC62209-1 SAR test

Source of uncertainty	Tolerance/ uncertainty ± %	Probability distribution	Divisor	ci (1 g)	ci (10 g)	Standard uncertainty ± %, (1 g)	Standard uncertainty ± %, (10 g)
Measurement system							
Probe calibration	6.55	N	1	1	1	6.3	6.3
Axial Isotropy	4.7	R	$\sqrt{3}$	1	1	2.7	2.7
Hemispherical Isotropy	9.6	R	$\sqrt{3}$	0	0	0.0	0.0
Boundary effect	1.0	R	$\sqrt{3}$	1	1	0.6	0.6
Linearity	4.7	R	$\sqrt{3}$	1	1	2.7	2.7
Detection limits	1.0	R	$\sqrt{3}$	1	1	0.6	0.6
Readout electronics	0.3	N	1	1	1	0.3	0.3
Response time	0.0	R	$\sqrt{3}$	1	1	0.0	0.0
Integration time	0.0	R	$\sqrt{3}$	1	1	0.0	0.0
RF ambient conditions – noise	1.0	R	$\sqrt{3}$	1	1	0.6	0.6
Probe positioning with respect to phantom shell	6.7	R	$\sqrt{3}$	1	1	3.9	3.9
Probe positioner mech. Restrictions	0.8	R	$\sqrt{3}$	1	1	0.5	0.5
RF ambient conditions– reflections	1.0	R	$\sqrt{3}$	1	1	0.6	0.6
Post-processing	2.0	R	$\sqrt{3}$	1	1	1.2	1.2
Test sample related							
Test sample positioning	2.8	N	1	1	1	2.8	2.8
Device holder uncertainty	6.3	N	1	1	1	6.3	6.3
Drift of output power	5.0	R	$\sqrt{3}$	1	1	2.9	2.9
Phantom and set-up							
Phantom uncertainty (shape and thickness tolerances)	4.0	R	$\sqrt{3}$	1	1	2.3	2.3
Liquid conductivity target)	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2
Liquid conductivity meas.)	2.5	N	1	0.64	0.43	1.6	1.1
Liquid permittivity target)	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4
Liquid permittivity meas.)	2.5	N	1	0.6	0.49	1.5	1.2
Combined standard uncertainty		RSS				12.2	12.0
Expanded uncertainty 95 % confidence interval)						24.0	23.6

APPENDIX B EUT TEST POSITION PHOTOS

Please Refer to the Attachment.

APPENDIX C CALIBRATION CERTIFICATES

Please Refer to the Attachment.

***** END OF REPORT *****