

RF Exposure report

The following samples were submitted and identified on behalf of the client as:

EUT Description	Liveu net stream
Brand Name	Liveu net stream
Model No.	Net Stream
Applicant	LiveU Inc. 2 University Plaza Drive, Suite 505 Hackensack, NJ 07601, USA
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	2AVDZEM91
Date of EUT Receipt	Jun. 25, 2024
Date of Test(s)	Nov. 15, 2025 ~ Nov. 24, 2025
Date of Issue	Jul. 13, 2026

Approved By /

John Teh

John Yeh

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2411000771EN	00	Initial creation of document	Dec. 03, 2025	Cindy Chou	
TESA2411000771EN	01	Modify comment	May 21, 2026	Cindy Chou	*
TESA2411000771EN	02	Modify comment	May 27, 2026	Cindy Chou	*
TESA2411000771EN	02	Delete n77_10M&15M	Jul. 13, 2026	Cindy Chou	*

Note:

1. The mark " * " is the revised version of the report due to comments submitted by the certification.

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1 GENERAL INFORMATION

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards:

IEEE/ANSI C95.1-1992

IEEE 1528-2013

KDB447498D01v06

KDB865664D01v01r04

KDB865664D02v01r02

KDB941225D01v03r01

KDB941225D05v02r05

KDB941225D05Av01r02

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1.2 Description of EUT

EUT Description	Liveu net stream	
Brand Name	Liveu net stream	
Model No.	Net Stream	
Integrated WWAN Module	Brand Name: AirPrime Model Name: EM9190	
Duty Cycle	WCDMA	1
	LTE FDD	1
	LTE TDD Power Class 3	0.633
	LTE TDD Power Class 2	0.433
	5G NR	1
Supported radios (TX Frequency Range, MHz)	WCDMA Band II	1850-1910
	WCDMA Band IV	1710-1755
	WCDMA Band V	824-849
	LTE FDD Band 2	1850-1910
	LTE FDD Band 4	1710-1755
	LTE FDD Band 5	824-849
	LTE FDD Band 7	2500-2570
	LTE FDD Band 12	699-716
	LTE FDD Band 13	777-787
	LTE FDD Band 14	788-798
	LTE FDD Band 17	704-716
	LTE FDD Band 25	1850-1915
	LTE FDD Band 26	814-849
	LTE TDD Band 38 Power Class 2/3	2570-2620
	LTE TDD Band 41 Power Class 2/3	2496-2690
	LTE TDD Band 42 Power Class 2/3	3400-3600

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Supported radios (TX Frequency Range, MHz)	LTE TDD Band 48 Power Class 2/3	3550-3700
	LTE FDD Band 66	1710-1780
	LTE FDD Band 71	663-698
	n2	1850-1910
	n5	824-849
	n7	2500-2570
	n12	699-716
	n25	1850-1915
	n66	1710-1780
	n71	663-698
	n77/78	3450-3550 3700-3980

1.3 Maximum value

Summary of Maximum SAR Value	
Mode	Highest SAR 1g (W/kg)
WCDMA Band IV	1.20

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2 MEASUREMENT SYSTEM

2.1 Test Facility

Laboratory	Test Site Address	Test Site Name	Test Engineer	Project Manager	FCC Designation number/ Registration Number	IC CAB identifier/ Company Number
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road, NeiHu District, Taipei City, 11493, Taiwan	SAR 2	-	-	TW0029/ 150169	TW3702/ 23862
		SAR 6	Jason Mo	Afu Chen		
		SAR 8	-	-		
	No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan	SAR 1	-	-	TW0028/ 200037	TW3702/ 4620E
		SAR 4	-	-		
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan	SAR 3	-	-	TW0027/ 891563	TW3702/ 4620A
		SAR 7	-	-		

Note: Test site name is remarked on a bolded mark as an indication where measurements occurred in specific test site and address.

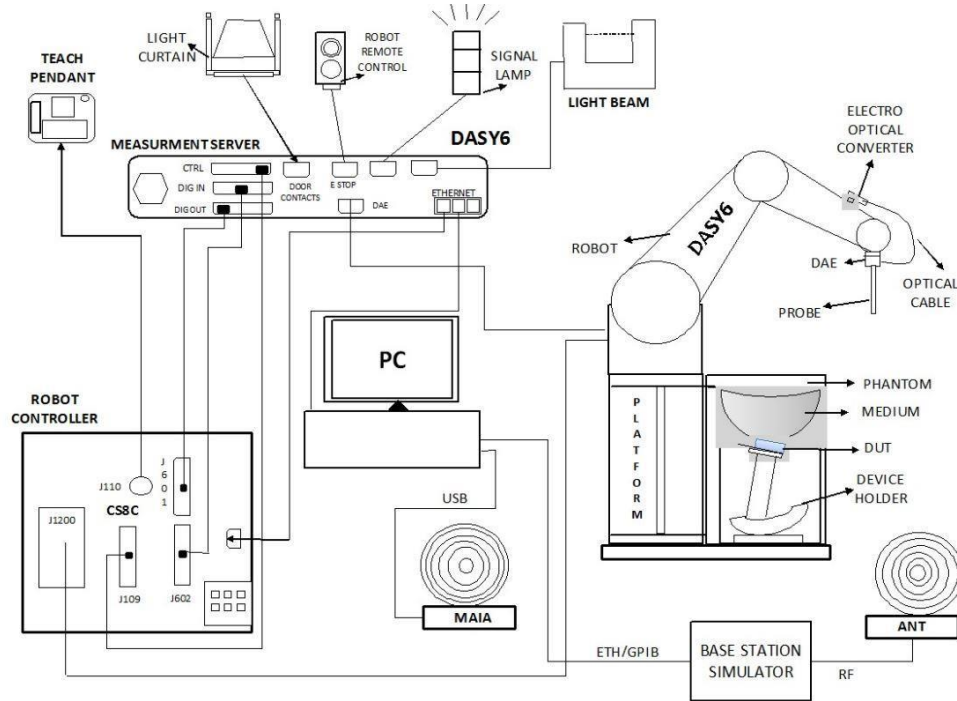
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2.2 SAR System

Block Diagram (DASY6)

The DASY system used 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 amplification, 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 Windows 10 and the DASY6 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.

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EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 750/835/1750/1900/2600/3500/3700/3900 MHz Additional CF for other liquids and frequencies upon request	
Frequency	10 MHz to > 6 GHz	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 µW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)	
Dimensions	Tip diameter: 2.5 mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	

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PHANTOM (ELI)

Model	ELI	
Construction	The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Shell Thickness	2 ± 0.2 mm	
Filling Volume	Approx. 30 liters	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	

DEVICE HOLDER

Construction	The device holder (Supporter) for Notebook is made by POM (polyoxymethylene resin) , which is non-metal and non-conductive. The height can be adjusted to fit varies kind of notebooks.	
		Device Holder

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3 SAR SYSTEM VERIFICATION

3.1 Tissue Simulating Liquid

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with homogeneous tissue simulating liquid. For head SAR testing, the liquid height from the ear rint (ERP) of the phantom to the liquid top surface is larger than 15cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.

3.2 Tissue Simulant Liquid measurement

The dielectric properties for this Head-simulant fluid were measured by using the SPEAG Dielectric Assessment Kit (DAKS-3.5)

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within $\pm 5\%$ of the target values.

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3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, ϵ_r	Target Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ_r	Measured Conductivity, σ (S/m)	% dev ϵ_r	% dev σ	Limit	Measurement Date
673	42.311	0.885	43.436	0.910	2.66%	2.84%	± 5%	Nov. 15, 2025
680.5	42.271	0.885	43.401	0.911	2.67%	2.90%	± 5%	Nov. 15, 2025
688	42.231	0.886	43.374	0.912	2.71%	2.95%	± 5%	Nov. 15, 2025
704	42.145	0.887	43.292	0.913	2.72%	2.94%	± 5%	Nov. 15, 2025
707.5	42.127	0.887	43.265	0.914	2.70%	3.02%	± 5%	Nov. 15, 2025
709	42.119	0.887	43.254	0.914	2.70%	3.01%	± 5%	Nov. 15, 2025
710	42.113	0.887	43.249	0.915	2.70%	3.12%	± 5%	Nov. 15, 2025
711	42.108	0.887	43.243	0.916	2.70%	3.22%	± 5%	Nov. 15, 2025
750	41.900	0.890	43.036	0.919	2.71%	3.26%	± 5%	Nov. 15, 2025
782	41.749	0.894	42.897	0.922	2.75%	3.16%	± 5%	Nov. 15, 2025
793	41.698	0.895	42.834	0.923	2.73%	3.12%	± 5%	Nov. 15, 2025
673	42.311	0.885	43.591	0.901	3.03%	1.82%	± 5%	Nov. 16, 2025
680.5	42.271	0.885	43.583	0.902	3.10%	1.88%	± 5%	Nov. 16, 2025
688	42.231	0.886	43.573	0.903	3.18%	1.93%	± 5%	Nov. 16, 2025
706.5	42.132	0.887	43.552	0.905	3.37%	2.02%	± 5%	Nov. 16, 2025
707.5	42.127	0.887	43.551	0.906	3.38%	2.12%	± 5%	Nov. 16, 2025
708.5	42.121	0.887	43.550	0.906	3.39%	2.12%	± 5%	Nov. 16, 2025
750	41.900	0.890	43.500	0.913	3.82%	2.58%	± 5%	Nov. 16, 2025
821.5	41.564	0.898	42.700	0.873	2.73%	-2.83%	± 5%	Nov. 17, 2025
826.4	41.540	0.899	42.724	0.875	2.85%	-2.67%	± 5%	Nov. 17, 2025
829	41.528	0.899	42.710	0.876	2.85%	-2.59%	± 5%	Nov. 17, 2025
831.5	41.516	0.900	42.698	0.877	2.85%	-2.51%	± 5%	Nov. 17, 2025
834	41.505	0.900	42.684	0.878	2.84%	-2.43%	± 5%	Nov. 17, 2025
835	41.500	0.900	42.680	0.878	2.84%	-2.44%	± 5%	Nov. 17, 2025
836.5	41.500	0.902	42.674	0.880	2.83%	-2.40%	± 5%	Nov. 17, 2025
836.6	41.500	0.902	42.671	0.880	2.82%	-2.41%	± 5%	Nov. 17, 2025
839	41.500	0.904	42.665	0.882	2.81%	-2.47%	± 5%	Nov. 17, 2025
841.5	41.500	0.907	42.652	0.885	2.78%	-2.43%	± 5%	Nov. 17, 2025
844	41.500	0.910	42.646	0.888	2.76%	-2.38%	± 5%	Nov. 17, 2025
846.6	41.500	0.912	42.644	0.890	2.76%	-2.46%	± 5%	Nov. 17, 2025

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1712.4	40.125	1.350	41.260	1.337	2.83%	-0.96%	± 5%	Nov. 18, 2025
1720	40.114	1.354	41.246	1.340	2.82%	-1.05%	± 5%	Nov. 18, 2025
1732.5	40.096	1.361	41.218	1.347	2.80%	-1.06%	± 5%	Nov. 18, 2025
1732.6	40.096	1.361	41.217	1.347	2.80%	-1.06%	± 5%	Nov. 18, 2025
1745	40.079	1.369	41.201	1.355	2.80%	-0.99%	± 5%	Nov. 18, 2025
1750	40.071	1.371	41.189	1.357	2.79%	-1.05%	± 5%	Nov. 18, 2025
1752.6	40.068	1.373	41.185	1.360	2.79%	-0.94%	± 5%	Nov. 18, 2025
1770	40.043	1.383	41.159	1.373	2.79%	-0.71%	± 5%	Nov. 18, 2025
1852.4	40.000	1.400	41.355	1.406	3.39%	0.43%	± 5%	Nov. 20, 2025
1860	40.000	1.400	41.342	1.409	3.36%	0.64%	± 5%	Nov. 20, 2025
1880	40.000	1.400	41.320	1.415	3.30%	1.07%	± 5%	Nov. 20, 2025
1882.5	40.000	1.400	41.306	1.416	3.27%	1.14%	± 5%	Nov. 20, 2025
1900	40.000	1.400	41.301	1.424	3.25%	1.71%	± 5%	Nov. 20, 2025
1905	40.000	1.400	41.298	1.426	3.25%	1.86%	± 5%	Nov. 20, 2025
1907.6	40.000	1.400	41.287	1.429	3.22%	2.07%	± 5%	Nov. 20, 2025
2506	39.125	1.860	40.429	1.909	3.33%	2.65%	± 5%	Nov. 21, 2025
2549.5	39.067	1.906	40.372	1.957	3.34%	2.67%	± 5%	Nov. 21, 2025
2593	39.009	1.953	40.313	2.009	3.34%	2.89%	± 5%	Nov. 21, 2025
2600	39.000	1.960	40.345	2.016	3.45%	2.86%	± 5%	Nov. 21, 2025
2636.5	38.954	2.000	40.308	2.059	3.47%	2.94%	± 5%	Nov. 21, 2025
2680	38.900	2.048	40.250	2.109	3.47%	2.98%	± 5%	Nov. 21, 2025
2510	39.120	1.864	40.235	1.935	2.85%	3.81%	± 5%	Nov. 22, 2025
2535	39.087	1.891	40.205	1.962	2.86%	3.77%	± 5%	Nov. 22, 2025
2560	39.053	1.917	40.175	1.993	2.87%	3.95%	± 5%	Nov. 22, 2025
2580	39.027	1.939	40.153	2.015	2.89%	3.94%	± 5%	Nov. 22, 2025
2595	39.007	1.955	40.136	2.033	2.90%	4.01%	± 5%	Nov. 22, 2025
2600	39.000	1.960	40.130	2.036	2.90%	3.88%	± 5%	Nov. 22, 2025
2610	38.988	1.971	40.118	2.045	2.90%	3.75%	± 5%	Nov. 22, 2025

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3460	37.948	2.869	38.985	2.935	2.73%	2.29%	± 5%	Nov. 23, 2025
3499.995	37.900	2.910	38.984	2.976	2.86%	2.27%	± 5%	Nov. 23, 2025
3500	37.900	2.910	38.983	2.977	2.86%	2.30%	± 5%	Nov. 23, 2025
3540	37.860	2.952	38.940	3.019	2.85%	2.28%	± 5%	Nov. 23, 2025
3560	37.840	2.972	38.924	3.042	2.86%	2.34%	± 5%	Nov. 23, 2025
3575	37.825	2.988	38.908	3.061	2.86%	2.44%	± 5%	Nov. 23, 2025
3590	37.810	3.004	38.895	3.077	2.87%	2.44%	± 5%	Nov. 23, 2025
3609	37.791	3.023	38.884	3.096	2.89%	2.40%	± 5%	Nov. 24, 2025
3625	37.775	3.040	38.858	3.115	2.87%	2.47%	± 5%	Nov. 24, 2025
3641	37.759	3.057	38.841	3.133	2.87%	2.50%	± 5%	Nov. 24, 2025
3690	37.710	3.108	38.795	3.185	2.88%	2.49%	± 5%	Nov. 24, 2025
3700	37.700	3.118	38.781	3.195	2.87%	2.47%	± 5%	Nov. 24, 2025
3750	37.650	3.170	38.724	3.252	2.85%	2.59%	± 5%	Nov. 24, 2025
3795	37.605	3.217	38.680	3.299	2.86%	2.56%	± 5%	Nov. 24, 2025
3840	37.560	3.264	38.631	3.346	2.85%	2.52%	± 5%	Nov. 24, 2025
3885	37.515	3.310	38.595	3.392	2.88%	2.46%	± 5%	Nov. 24, 2025
3900	37.500	3.326	38.578	3.408	2.87%	2.47%	± 5%	Nov. 24, 2025
3930	37.470	3.357	38.549	3.439	2.88%	2.44%	± 5%	Nov. 24, 2025

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3.4 The composition of the tissue simulating liquid:

Simulating Liquids for 600 MHz -10 GHz, Manufactured by SPEAG:

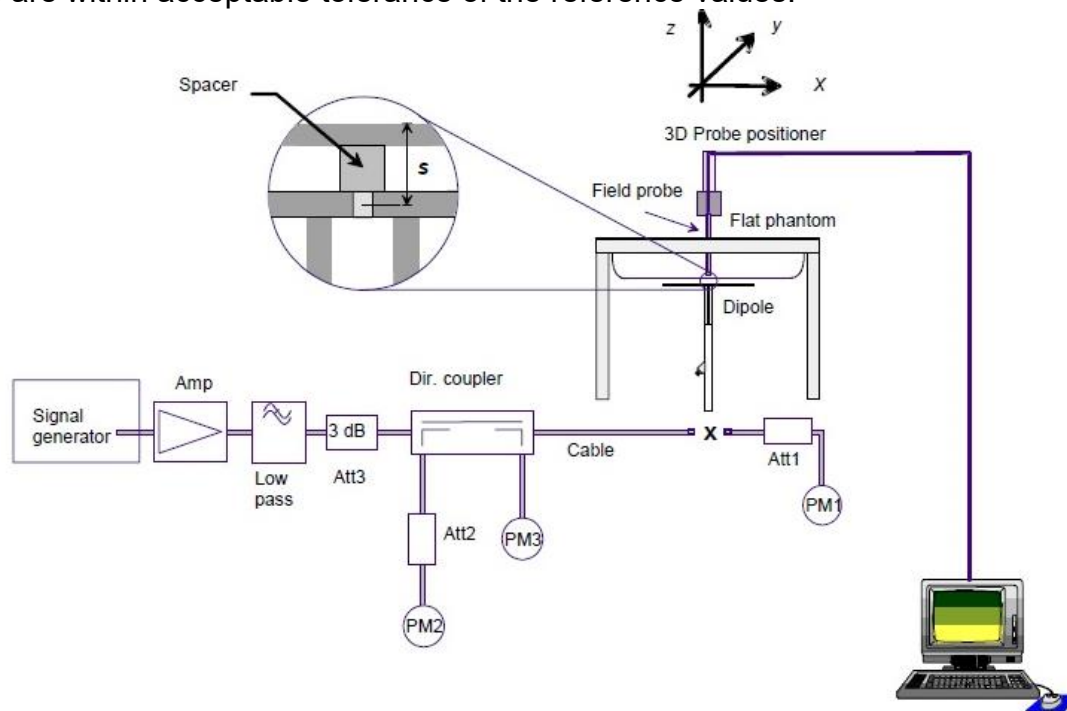
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

3.5 System check

The microwave circuit arrangement for system check is sketched in below. The daily system accuracy verification occurs within the flat section of the SAM phantom and ELI phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values.

The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed with SAR values normalized to 1W forward power delivered to the dipole.

During the tests, the liquid depth from the center of the flat phantom to the liquid top surface was 15 cm above in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



The block diagram of system check

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3.6 System check results

Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D750V3	1015	750	8.54	2.2	8.8	3.04	± 10%	Nov.15,2025
D750V3	1015	750	8.54	2.26	9.04	5.85	± 10%	Nov.15,2025
D835V2	4d063	835	9.47	2.44	9.76	3.06	± 10%	Nov.17,2025
D1750V2	1008	1750	36.4	9.59	38.36	5.38	± 10%	Nov.18,2025
D1900V2	5d173	1900	39.8	10.3	41.2	3.52	± 10%	Nov.20,2025
D2600V2	1005	2600	55.3	13.9	55.6	0.54	± 10%	Nov.21,2025
D2600V2	1005	2600	55.3	13.7	54.8	-0.90	± 10%	Nov.21,2025
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D3500V2	1067	3500	68.6	6.44	64.4	-6.12	± 10%	Nov.23,2025
D3700V2	1074	3700	67.3	6.79	67.9	0.89	± 10%	Nov.24,2025
3900MHZ	1014	3900	69.8	6.5	65	-6.88	± 10%	Nov.24,2025

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4 TEST CONFIGURATIONS

4.1 Test Environment

Ambient Temperature: $22 \pm 2^\circ \text{C}$

Tissue Simulating Liquid: $22 \pm 2^\circ \text{C}$

4.2 Test Note

- **General:** Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s).
- **General:** The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
- **General:** During the SAR testing, the DASY system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
- **General:** According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is $\leq 0.8 \text{ W/kg}$, when the transmission band is $\leq 100 \text{ MHz}$.
- **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is $\geq 0.8 \text{ W/kg}$, repeated that measurement once. 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 $\geq 1.45 \text{ W/kg}$ ($\sim 10\%$ from the 1-g SAR limit).
- **UMTS (HSDPA):** The 3G SAR test reduction procedure is applied to HSDPA with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSDPA) is $\leq \frac{1}{4} \text{ dB}$ higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSDPA). The following 4 sub-tests were completed according to Release 5 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

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

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

- **UMTS (HSPA):** The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA) is $\leq \frac{1}{4} \text{ dB}$ higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA). The following 5 sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

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

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

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

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

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

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

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

• **UMTS (HSPA+):** The 3G SAR test reduction procedure is applied to HSPA+ with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA+) is $\leq 1/4$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA+). The following 1 sub-test was completed according to Release 7 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

Table C.11.1.4: β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM⁽¹⁾

Sub-test ⁽¹⁾	$\beta_c^{(1)}$ (Note 3) ⁽¹⁾	$\beta_d^{(1)}$	$\beta_{hs}^{(1)}$ (Note 1) ⁽¹⁾	$\beta_{ec}^{(1)}$	$\beta_{ed}^{(1)}$ (2xSF2) ⁽¹⁾ (Note 4) ⁽¹⁾	$\beta_{ed}^{(1)}$ (2xSF4) ⁽¹⁾ (Note 4) ⁽¹⁾	CM ⁽¹⁾ (dB) ⁽¹⁾ (Note 2) ⁽¹⁾	MPR ⁽¹⁾ (dB) ⁽¹⁾ (Note 2) ⁽¹⁾	AG ⁽¹⁾ Index ⁽¹⁾ (Note 4) ⁽¹⁾	E-TFCI ⁽¹⁾ (Note 5) ⁽¹⁾	E-TFCI ⁽¹⁾ (boost) ⁽¹⁾
1 ⁽¹⁾	1 ⁽¹⁾	0 ⁽¹⁾	30/15 ⁽¹⁾	30/15 ⁽¹⁾	$\beta_{ed1}: 30/15^{(1)}$ $\beta_{ed2}: 30/15^{(1)}$	$\beta_{ed3}: 24/15^{(1)}$ $\beta_{ed4}: 24/15^{(1)}$	3.5 ⁽¹⁾	2.5 ⁽¹⁾	14 ⁽¹⁾	105 ⁽¹⁾	105 ⁽¹⁾

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

Note 2: CM = 3.5 and the MPR is based on the relative CM difference, $MPR = \text{MAX}(CM-1, 0)^{(1)}$.

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

Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.⁽¹⁾

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.⁽¹⁾

• **UMTS (DC-HSDPA):** The 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable. Since the maximum output power in a secondary mode (DC-HSDPA) is $\leq 1/4$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (DC-HSDPA). The following tests were completed according to procedures in section 7.3.13 of 3GPP TS 34.108 v9.5.0. A summary of these setting are illustrated below:

The configurations of the fixed reference channels for HSDPA RF tests are described in 3GPP TS 34.121, annex C for FDD and 3GPP TS 34.122

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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.		

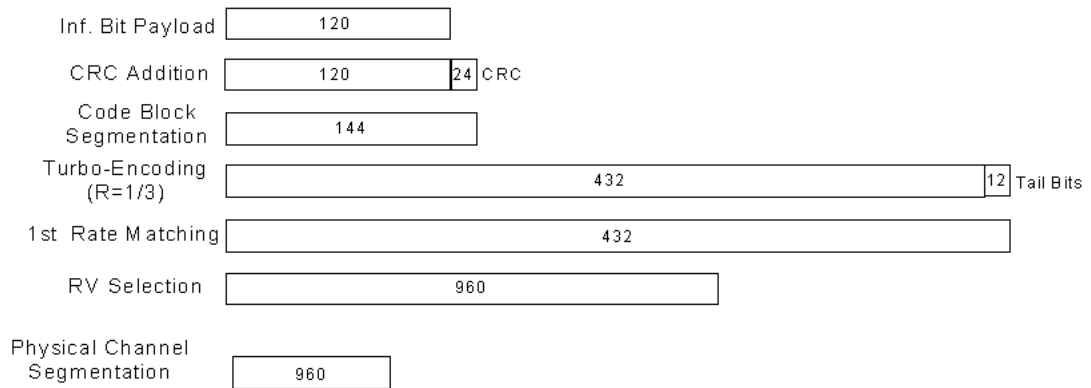


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 sub-tests for HSDPA were completed according to Release 8 procedures in section 5.2 of 3GPP TS34.121. A summary of subtest settings are illustrated below:

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

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

• LTE: LTE modes test according to KDB 941225D05v02r05.

- Per Section 5.2.1, the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation.

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- Using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
- When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
- When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.
- b. Per Section 5.2.2, the largest channel bandwidth and measure SAR for QPSK with 50% RB allocation
 - The procedures required for 1 RB allocation in 5.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.
- c. Per Section 5.2.3, the largest channel bandwidth and measure SAR for QPSK with 100% RB allocation
 - For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg.
 - Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
- d. Per Section 5.2.4, Higher order modulations
 - For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 5.2.1, 5.2.2 and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.
- e. Per Section 5.3, other channel bandwidth standalone SAR test requirements
 - For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 5.2 to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> \frac{1}{2}$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the

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reported SAR of a configuration for the largest channel bandwidth is $> 1.45 \text{ W/kg}$. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth.

- TDD LTE was tested at highest duty factor using UL-DL configuration 0 with 6 UL subframes and 2 special subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4.2, the duty factor for UL-DL configuration 0/special subframe configuration 6 using extended cyclic prefix is 0.633.

According to KDB 941225 D05, SAR testing for TDD LTE must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be tabulated as below.

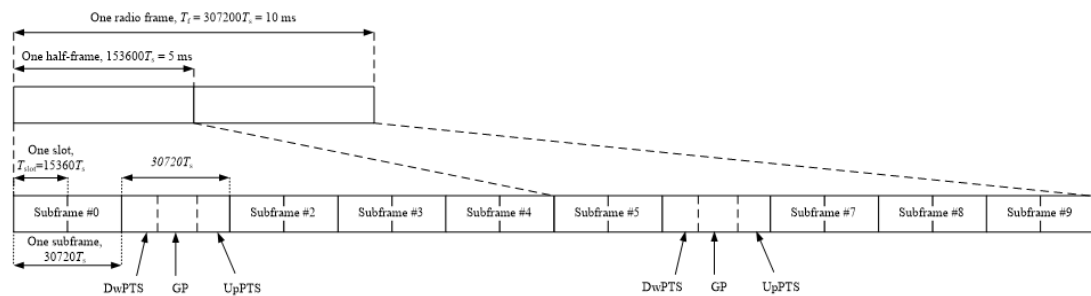


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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

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

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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

Considering the highest transmission duty cycle, TDD LTE was tested using Uplink-Downlink configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 6 using extended cyclic prefix uplink. Therefore, SAR testing for TDD LTE was measured at the maximum output power with highest transmission duty cycle of 63.33%.

- **5G NR:** SAR tests for NR bands and LTE anchor bands were performed separately due to limitations in SAR probe calibration factor. Due to test setup limitation, SAR testing for NR was performed using factory test mode software to establish the connection.

- **5G NR:** 5G NR Power/SAR procedure is similar with KDB 941225 D05. **a.** For power measurement reduction of DFT-s-OFDM and CP-OFDM, CP-OFDM will not higher than DFT-OFDM based on 3GPP MPR table, so CP-OFDM QPSK power measurement is spot check for 1RB allocation/1 RB offset configuration to ensure the output power will not ½ dB higher than Pi/2 BPSK and QPSK. **b.** For power measurement reduction of DFT-s-OFDM, 16QAM/64QAM/256QAM will not higher than Pi/2 BPSK and QPSK based on 3GPP MPR table, so Pi/2 BPSK and QPSK are measured fully, and 16QAM is spot check 1RB allocation/1 RB offset configuration to ensure the output power will not ½ dB higher than Pi/2 BPSK and QPSK. Smaller bandwidth output power will also follow the largest bandwidth to ensure output power will not ½ dB higher than largest supported bandwidth. **c.** SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. **d.** 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure. **e.** QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested. **f.** 16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, 16QAM/64QAM/256QAM SAR testing are not required. **g.** Smaller bandwidth output power for each RB allocation configuration for this device will not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for

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the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device.

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4.3 Test position

SAR test position (5mm)

The device was tested for front edge, back edge, right edge, left edge, and top edge with 5mm separation distance.

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4.4 Test limit

[§ 2.1093\(d\)\(1\)](#)

Applications for equipment authorization of portable RF sources subject to routine environmental evaluation must contain a statement confirming compliance with the limits specified in [§ 1.1310](#) as part of their application. Technical information showing the basis for this statement must be submitted to the Commission upon request. The SAR limits specified in [§ 1.1310\(a\)](#) through [\(c\) of this chapter](#) shall be used for evaluation of portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to [§ 1.1310\(e\)\(1\)](#). A minimum separation distance applicable to the operating configurations and exposure conditions of the device shall be used for the evaluation. In general, maximum time-averaged power levels must be used for evaluation. All unlicensed personal communications service (PCS) devices and unlicensed NII devices shall be subject to the limits for general population/uncontrolled exposure.

Radiofrequency radiation exposure limits.

[§ 1.1310\(a\)](#)

Specific absorption rate (SAR) shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in § 1.1307(b) within the frequency range of 100 kHz to 6 GHz (inclusive).

[§ 1.1310\(b\)](#)

The SAR limits for occupational/controlled exposure are 0.4 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 8 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit for occupational/controlled exposure is 20 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 6 minutes to determine compliance with occupational/controlled SAR limits.

[§ 1.1310\(c\)](#)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 30 minutes to determine compliance with general population/uncontrolled SAR limits.

Note to paragraphs (a) through (c):

SAR is a measure of the rate of energy absorption due to exposure to RF electromagnetic energy. These SAR limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized SAR in [Section 4.2](#) of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, [Section 17.4.5](#), copyright 1986 by NCRP, Bethesda, Maryland 20814. Limits for whole body SAR and peak spatial-average SAR are based

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on recommendations made in both of these documents. The MPE limits in Table 1 are based generally on criteria published by the NCRP in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3, copyright 1986 by NCRP, Bethesda, Maryland 20814. In the frequency range from 100 MHz to 1500 MHz, these MPE exposure limits for field strength and power density are also generally based on criteria recommended by the ANSI in [Section 4.1](#) of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017.

Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to [§ 1.1310\(e\)\(1\)](#).

According to ANSI/IEEE C95.1-1992, the criteria listed in the following Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

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Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

Table 1 to § 1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

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4.5 Smart Transmit feature for RF Exposure compliance

The FCC RF exposure limit is defined based on time-averaged RF exposure. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmit power for WWAN transmitter to ensure the product in compliance with FCC RF exposure limit over a defined time window, for SAR (transmit frequency $\leq 6\text{GHz}$).

The parameters obtained from SAR characterization (referred to as SAR char, respectively) will be used as input for Smart Transmit. SAR char will be entered via the Embedded File System (EFS) to enable the Smart Transmit Feature.

<Terminologies in this report>

Plimit	The time-averaged RF power which corresponds to SAR design target
Pmax	Maximum tune-up power level
SAR_design_target	The design target for SAR compliance. It should be less than SAR limit to account for all device design related uncertainties.
SAR char	Plimit for all the technologies/bands

<SAR Characterization>

SAR char must be generated to cover all radio configurations and usage scenarios that the wireless device supports for operating at 6 GHz or below. It will then be used as input for Smart Transmit to control and manage RF exposure for $f < 6\text{GHz}$.

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SAR_design_target and Uncertainty

SAR_design_target is determined by ensuring that it is less than FCC SAR limit after accounting for total device designed related uncertainties specified by the manufacturer

$$\text{SAR_design_target} < \text{SAR_limit} \times 10^{-(\text{total uncertainty}/10)}$$

	Uncertainty dB (k=2)
Total uncertainty	1.59

Exposure	Antenna	Frequency band	SAR_design_target
Body	WWAN	All	1.11 W/Kg

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target, below the predefined time-averaged power limit, for each characterized technology and band.

Smart Transmit allows the device to transmit at higher power instantaneously, as high as Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit. Below table shows Plimit EFS settings and maximum tune up output power Pmax configured for this EUT for laptop mode.

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<Plimit for supported technologies and bands (Plimit in EFS file)>

Band	Plimit** (dBm)	Pmax* (dBm)
WCDMA B II	21.07	23.5
WCDMA B IV	20.39	23.5
WCDMA B V	25.35	23.5
LTE B2	21.48	23
LTE B4	20.56	23
LTE B5	25.26	23
LTE B7	22.44	23.8
LTE B12	25.31	23
LTE B13	25.9	23
LTE B14	25.37	23
LTE B17	25.25	23
LTE B25	21.8	23
LTE B26	25.2	23
LTE B66	19.57	23
LTE B71	25.08	23
LTE B38	22.08	23.8
LTE B41 PC3	22.49	23.8
LTE B41 PC2	22.16	25
LTE B42	19.05	23.8
LTE B48	19.57	23.8
NR n2	21.2	23.5
NR n5	24.79	23.5
NR n7	20.18	23.5
NR n12	23.89	23.5
NR n25	20.14	23.5
NR n66	19.49	23.5
NR n71	25.44	23.5
NR n77	16.73	23.5

*Pmax is used for RF tune up procedure. The maximum allowed output power is equal to Pmax + 1.59dB uncertainty.

**All Plimit power levels entered in the Table correspond to average power levels after accounting for duty cycle in the case TDD modulation schemes (for e.g., LTE TDD). The max allowed output power is the Plimit + 1.59dB device uncertainty, and if Plimit is higher than Pmax, the device output power will be Pmax instead.

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5 MAXIMUM OUTPUT POWER

5.1 WCDMA

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		22.07		
3GPP Rel 99	RMC 12.2Kbps	20.97	20.98	20.99
3GPP Rel 5	HSDPA Subtest-1	20.91	20.97	20.90
	HSDPA Subtest-2	20.95	20.83	20.96
	HSDPA Subtest-3	20.48	20.35	20.38
	HSDPA Subtest-4	20.40	20.49	20.48
3GPP Rel 6	HSUPA Subtest-1	20.95	20.85	20.86
	HSUPA Subtest-2	18.84	18.98	18.81
	HSUPA Subtest-3	20.00	19.82	20.00
	HSUPA Subtest-4	18.91	18.85	18.85
	HSUPA Subtest-5	20.86	20.94	20.96
3GPP Rel 7	HSPA+	18.49	18.49	18.45
3GPP Rel 8	DC-HSDPA Subtest-1	20.92	20.83	20.96
	DC-HSDPA Subtest-2	20.93	20.83	20.88
	DC-HSDPA Subtest-3	20.43	20.39	20.48
	DC-HSDPA Subtest-4	20.35	20.43	20.36
Band		WCDMA IV		
TX Channel		1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		21.39		
3GPP Rel 99	RMC 12.2Kbps	20.04	20.08	20.02
3GPP Rel 5	HSDPA Subtest-1	19.84	19.95	19.90
	HSDPA Subtest-2	19.92	19.95	19.75
	HSDPA Subtest-3	19.45	19.40	19.33
	HSDPA Subtest-4	19.36	19.32	19.43
3GPP Rel 6	HSUPA Subtest-1	19.92	19.88	19.85
	HSUPA Subtest-2	17.96	17.82	17.90
	HSUPA Subtest-3	18.94	18.94	18.89
	HSUPA Subtest-4	17.82	17.94	17.93
	HSUPA Subtest-5	19.97	19.91	19.94
3GPP Rel 7	HSPA+	17.31	17.41	17.42
3GPP Rel 8	DC-HSDPA Subtest-1	19.98	19.81	19.86
	DC-HSDPA Subtest-2	19.99	19.95	19.95
	DC-HSDPA Subtest-3	19.44	19.41	19.33
	DC-HSDPA Subtest-4	19.45	19.44	19.33

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Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		24.50		
3GPP Rel 99	RMC 12.2Kbps	23.51	23.57	23.54
3GPP Rel 5	HSDPA Subtest-1	23.35	23.40	23.35
	HSDPA Subtest-2	23.46	23.31	23.43
	HSDPA Subtest-3	22.92	23.00	22.85
	HSDPA Subtest-4	22.83	22.83	22.86
3GPP Rel 6	HSUPA Subtest-1	23.33	23.39	23.44
	HSUPA Subtest-2	21.39	21.49	21.44
	HSUPA Subtest-3	22.43	22.50	22.49
	HSUPA Subtest-4	21.47	21.36	21.31
	HSUPA Subtest-5	23.34	23.41	23.41
3GPP Rel 7	HSPA+	20.85	21.00	20.96
3GPP Rel 8	DC-HSDPA Subtest-1	23.35	23.47	23.44
	DC-HSDPA Subtest-2	23.34	23.36	23.35
	DC-HSDPA Subtest-3	22.88	22.99	22.95
	DC-HSDPA Subtest-4	22.98	22.99	22.88

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5.2 FDD LTE

LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				18700	18900	19100		
20	QPSK	1	0	21.35	21.46	21.43	22.48	0
		1	50	21.45	21.36	21.50	22.48	0
		1	99	21.38	21.31	21.18	22.48	0
		50	0	20.34	20.45	20.42	21.48	1
		50	25	20.17	20.30	20.13	21.48	1
		50	50	20.13	20.17	20.42	21.48	1
		100	0	20.13	20.36	20.17	21.48	1
20	16-QAM	1	0	20.35	20.49	20.27	21.48	1
		1	50	20.33	20.37	20.40	21.48	1
		1	99	20.27	20.44	20.50	21.48	1
		50	0	19.29	19.11	19.29	20.48	2
		50	25	19.41	19.39	19.35	20.48	2
		50	50	19.25	19.33	19.42	20.48	2
		100	0	19.48	19.24	19.43	20.48	2
20	64-QAM	1	0	19.19	19.42	19.41	20.48	2
		1	50	19.17	19.26	19.46	20.48	2
		1	99	19.11	19.33	19.44	20.48	2
		50	0	18.40	18.44	18.25	19.48	3
		50	25	18.32	18.13	18.44	19.48	3
		50	50	18.33	18.43	18.37	19.48	3
		100	0	18.31	18.16	18.20	19.48	3
20	256-QAM	1	0	18.17	18.24	18.14	19.48	3
		1	50	18.21	18.35	18.32	19.48	3
		1	99	18.38	18.36	18.20	19.48	3
		50	0	17.20	17.48	17.21	18.48	4
		50	25	17.17	17.38	17.27	18.48	4
		50	50	17.37	17.34	17.37	18.48	4
		100	0	17.43	17.17	17.32	18.48	4

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				18675	18900	19125		
15	QPSK	1	0	21.32	21.39	21.40	22.48	0
		1	36	21.42	21.30	21.47	22.48	0
		1	74	21.42	21.32	21.34	22.48	0
		36	0	20.31	20.29	20.40	21.48	1
		36	18	20.29	20.13	20.45	21.48	1
		36	37	20.27	20.12	20.34	21.48	1
		75	0	20.23	20.15	20.12	21.48	1
15	16-QAM	1	0	20.25	20.14	20.21	21.48	1
		1	36	20.35	20.18	20.25	21.48	1
		1	74	20.46	20.44	20.18	21.48	1
		36	0	19.43	19.25	19.50	20.48	2
		36	18	19.50	19.38	19.45	20.48	2
		36	37	19.38	19.39	19.11	20.48	2
		75	0	19.21	19.25	19.26	20.48	2
15	64-QAM	1	0	19.19	19.28	19.38	20.48	2
		1	36	19.39	19.48	19.15	20.48	2
		1	74	19.22	19.24	19.39	20.48	2
		36	0	18.39	18.44	18.38	19.48	3
		36	18	18.41	18.11	18.48	19.48	3
		36	37	18.39	18.27	18.37	19.48	3
		75	0	18.21	18.48	18.32	19.48	3
15	256-QAM	1	0	18.19	18.30	18.40	19.48	3
		1	36	18.47	18.34	18.49	19.48	3
		1	74	18.16	18.16	18.12	19.48	3
		36	0	17.28	17.21	17.25	18.48	4
		36	18	17.20	17.29	17.39	18.48	4
		36	37	17.14	17.45	17.31	18.48	4
		75	0	17.33	17.37	17.14	18.48	4

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				18650	18900	19150		
10	QPSK	1	0	21.49	21.38	21.34	22.48	0
		1	25	21.11	21.40	21.41	22.48	0
		1	49	21.37	21.25	21.45	22.48	0
		25	0	20.19	20.20	20.33	21.48	1
		25	12	20.38	20.23	20.11	21.48	1
		25	25	20.44	20.30	20.36	21.48	1
		50	0	20.38	20.16	20.32	21.48	1
10	16-QAM	1	0	20.17	20.37	20.20	21.48	1
		1	25	20.15	20.44	20.42	21.48	1
		1	49	20.45	20.20	20.20	21.48	1
		25	0	19.13	19.49	19.33	20.48	2
		25	12	19.35	19.18	19.28	20.48	2
		25	25	19.13	19.39	19.15	20.48	2
		50	0	19.47	19.32	19.47	20.48	2
10	64-QAM	1	0	19.11	19.44	19.38	20.48	2
		1	25	19.25	19.28	19.12	20.48	2
		1	49	19.28	19.26	19.21	20.48	2
		25	0	18.49	18.27	18.31	19.48	3
		25	12	18.45	18.19	18.34	19.48	3
		25	25	18.15	18.24	18.27	19.48	3
		50	0	18.46	18.16	18.15	19.48	3
10	256-QAM	1	0	18.21	18.14	18.13	19.48	3
		1	25	18.31	18.32	18.33	19.48	3
		1	49	18.23	18.32	18.19	19.48	3
		25	0	17.13	17.42	17.12	18.48	4
		25	12	17.35	17.21	17.48	18.48	4
		25	25	17.50	17.45	17.34	18.48	4
		50	0	17.35	17.32	17.14	18.48	4

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				18625	18900	19175		
5	QPSK	1	0	21.34	21.46	21.40	22.48	0
		1	12	21.30	21.29	21.13	22.48	0
		1	24	21.45	21.37	21.19	22.48	0
		12	0	20.29	20.43	20.47	21.48	1
		12	6	20.42	20.39	20.43	21.48	1
		12	13	20.35	20.43	20.15	21.48	1
		25	0	20.16	20.49	20.39	21.48	1
5	16-QAM	1	0	20.24	20.37	20.36	21.48	1
		1	12	20.11	20.31	20.24	21.48	1
		1	24	20.27	20.46	20.18	21.48	1
		12	0	19.39	19.30	19.43	20.48	2
		12	6	19.36	19.25	19.49	20.48	2
		12	13	19.48	19.12	19.37	20.48	2
		25	0	19.32	19.25	19.31	20.48	2
5	64-QAM	1	0	19.11	19.11	19.49	20.48	2
		1	12	19.39	19.30	19.37	20.48	2
		1	24	19.49	19.23	19.50	20.48	2
		12	0	18.29	18.42	18.45	19.48	3
		12	6	18.35	18.23	18.19	19.48	3
		12	13	18.14	18.12	18.47	19.48	3
		25	0	18.28	18.47	18.48	19.48	3
5	256-QAM	1	0	18.46	18.32	18.45	19.48	3
		1	12	18.34	18.24	18.38	19.48	3
		1	24	18.40	18.32	18.17	19.48	3
		12	0	17.17	17.26	17.13	18.48	4
		12	6	17.47	17.45	17.31	18.48	4
		12	13	17.40	17.30	17.22	18.48	4
		25	0	17.25	17.45	17.25	18.48	4

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1880	1908.5		
Channel				18615	18900	19185		
3	QPSK	1	0	21.43	21.46	21.36	22.48	0
		1	7	21.48	21.47	21.45	22.48	0
		1	14	21.46	21.13	21.35	22.48	0
		8	0	20.14	20.19	20.38	21.48	1
		8	4	20.46	20.50	20.43	21.48	1
		8	7	20.45	20.18	20.41	21.48	1
		15	0	20.36	20.45	20.50	21.48	1
3	16-QAM	1	0	20.41	20.21	20.36	21.48	1
		1	7	20.38	20.14	20.22	21.48	1
		1	14	20.23	20.30	20.31	21.48	1
		8	0	19.37	19.44	19.18	20.48	2
		8	4	19.23	19.44	19.13	20.48	2
		8	7	19.30	19.31	19.24	20.48	2
		15	0	19.29	19.38	19.14	20.48	2
3	64-QAM	1	0	19.32	19.13	19.31	20.48	2
		1	7	19.42	19.49	19.44	20.48	2
		1	14	19.49	19.27	19.11	20.48	2
		8	0	18.31	18.29	18.50	19.48	3
		8	4	18.44	18.50	18.37	19.48	3
		8	7	18.11	18.43	18.17	19.48	3
		15	0	18.20	18.30	18.40	19.48	3
3	256-QAM	1	0	18.44	18.36	18.34	19.48	3
		1	7	18.22	18.21	18.29	19.48	3
		1	14	18.18	18.19	18.30	19.48	3
		8	0	17.40	17.42	17.41	18.48	4
		8	4	17.27	17.37	17.41	18.48	4
		8	7	17.23	17.16	17.34	18.48	4
		15	0	17.45	17.42	17.14	18.48	4

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1880	1909.3		
Channel				18607	18900	19193		
1.4	QPSK	1	0	21.37	21.32	21.47	22.48	0
		1	2	21.39	21.35	21.39	22.48	0
		1	5	21.39	21.45	21.31	22.48	0
		3	0	21.40	21.37	21.38	22.48	0
		3	2	21.34	21.40	21.45	22.48	0
		3	3	21.41	21.41	21.45	22.48	0
		6	0	20.33	20.38	20.47	21.48	1
1.4	16-QAM	1	0	20.34	20.33	20.40	21.48	1
		1	2	20.41	20.36	20.41	21.48	1
		1	5	20.35	20.35	20.35	21.48	1
		3	0	20.50	20.40	20.49	21.48	1
		3	2	20.50	20.42	20.34	21.48	1
		3	3	20.50	20.33	20.43	21.48	1
		6	0	19.32	19.43	19.49	20.48	2
1.4	64-QAM	1	0	19.39	19.40	19.46	20.48	2
		1	2	19.48	19.44	19.49	20.48	2
		1	5	19.49	19.36	19.32	20.48	2
		3	0	19.45	19.44	19.36	20.48	2
		3	2	19.39	19.40	19.40	20.48	2
		3	3	19.42	19.39	19.34	20.48	2
		6	0	18.37	18.49	18.39	19.48	3
1.4	256-QAM	1	0	18.49	18.45	18.46	19.48	3
		1	2	18.37	18.45	18.48	19.48	3
		1	5	18.32	18.33	18.39	19.48	3
		3	0	18.31	18.36	18.45	19.48	3
		3	2	18.45	18.40	18.43	19.48	3
		3	3	18.32	18.36	18.32	19.48	3
		6	0	17.38	17.49	17.50	18.48	4

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1732.5	1745		
Channel				20050	20175	20300		
20	QPSK	1	0	20.08	20.04	20.17	21.56	0
		1	50	19.93	19.92	20.16	21.56	0
		1	99	20.22	20.07	20.16	21.56	0
		50	0	18.95	19.24	19.17	20.56	1
		50	25	19.08	18.91	18.81	20.56	1
		50	50	19.14	19.25	18.95	20.56	1
		100	0	18.90	19.24	19.02	20.56	1
20	16-QAM	1	0	19.00	19.07	19.26	20.56	1
		1	50	19.16	19.06	18.92	20.56	1
		1	99	19.06	19.10	19.16	20.56	1
		50	0	17.94	18.26	17.92	19.56	2
		50	25	18.13	18.18	17.91	19.56	2
		50	50	18.02	18.22	18.25	19.56	2
		100	0	18.21	18.18	17.90	19.56	2
20	64-QAM	1	0	17.97	18.08	17.91	19.56	2
		1	50	17.99	18.19	18.04	19.56	2
		1	99	17.95	18.17	18.19	19.56	2
		50	0	17.28	17.01	16.92	18.56	3
		50	25	16.93	17.27	16.96	18.56	3
		50	50	17.19	17.10	17.25	18.56	3
		100	0	17.12	17.12	16.92	18.56	3
20	256-QAM	1	0	17.09	17.11	17.13	18.56	3
		1	50	17.06	17.12	17.26	18.56	3
		1	99	16.95	17.13	17.26	18.56	3
		50	0	16.21	16.04	16.28	17.56	4
		50	25	16.23	15.89	16.25	17.56	4
		50	50	16.25	15.97	16.02	17.56	4
		100	0	15.98	16.17	16.10	17.56	4

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
Channel				20025	20175	20325		
15	QPSK	1	0	20.02	20.08	20.02	21.56	0
		1	36	20.17	20.03	19.97	21.56	0
		1	74	20.20	20.11	20.09	21.56	0
		36	0	19.06	19.11	18.98	20.56	1
		36	18	19.19	19.16	18.95	20.56	1
		36	37	19.02	18.98	19.20	20.56	1
		75	0	19.15	19.02	19.13	20.56	1
15	16-QAM	1	0	18.96	18.89	19.28	20.56	1
		1	36	19.06	18.97	19.13	20.56	1
		1	74	19.05	19.06	19.21	20.56	1
		36	0	18.09	18.22	18.03	19.56	2
		36	18	17.99	17.98	17.91	19.56	2
		36	37	18.21	18.05	18.14	19.56	2
		75	0	17.94	18.24	18.16	19.56	2
15	64-QAM	1	0	18.02	17.89	17.89	19.56	2
		1	36	18.24	18.04	18.17	19.56	2
		1	74	18.01	18.05	17.93	19.56	2
		36	0	17.17	17.16	16.96	18.56	3
		36	18	16.94	17.21	17.09	18.56	3
		36	37	17.19	17.25	17.19	18.56	3
		75	0	17.09	17.07	16.94	18.56	3
15	256-QAM	1	0	17.27	17.10	17.22	18.56	3
		1	36	17.07	17.28	17.21	18.56	3
		1	74	17.07	17.06	16.90	18.56	3
		36	0	16.11	16.13	15.90	17.56	4
		36	18	16.25	16.05	16.23	17.56	4
		36	37	16.04	16.08	16.10	17.56	4
		75	0	16.02	16.02	16.23	17.56	4

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1732.5	1750		
Channel				20000	20175	20350		
10	QPSK	1	0	20.21	20.02	19.92	21.56	0
		1	25	19.94	20.01	20.06	21.56	0
		1	49	19.96	19.98	19.91	21.56	0
		25	0	19.20	18.95	18.92	20.56	1
		25	12	19.17	18.91	19.16	20.56	1
		25	25	19.11	19.18	19.01	20.56	1
		50	0	19.23	19.24	19.13	20.56	1
10	16-QAM	1	0	19.15	19.01	19.12	20.56	1
		1	25	18.99	18.94	18.96	20.56	1
		1	49	18.99	19.05	19.04	20.56	1
		25	0	18.01	18.12	18.09	19.56	2
		25	12	18.08	18.18	17.93	19.56	2
		25	25	18.07	18.26	18.16	19.56	2
		50	0	17.95	18.17	18.18	19.56	2
10	64-QAM	1	0	18.20	17.97	18.19	19.56	2
		1	25	18.05	18.22	17.96	19.56	2
		1	49	18.15	18.08	18.01	19.56	2
		25	0	17.13	17.15	16.98	18.56	3
		25	12	17.16	17.02	17.00	18.56	3
		25	25	16.96	16.94	17.09	18.56	3
		50	0	17.08	17.17	16.95	18.56	3
10	256-QAM	1	0	17.01	16.97	17.05	18.56	3
		1	25	17.21	16.98	17.08	18.56	3
		1	49	17.08	16.95	16.94	18.56	3
		25	0	16.25	16.02	16.23	17.56	4
		25	12	16.21	16.01	16.27	17.56	4
		25	25	16.11	16.06	16.08	17.56	4
		50	0	16.04	15.95	16.20	17.56	4

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
Channel				19975	20175	20375		
5	QPSK	1	0	20.18	20.07	20.18	21.56	0
		1	12	20.03	19.94	20.20	21.56	0
		1	24	20.18	19.94	20.00	21.56	0
		12	0	19.19	18.89	19.05	20.56	1
		12	6	19.14	19.14	18.97	20.56	1
		12	13	19.02	18.98	18.92	20.56	1
		25	0	19.26	18.89	18.96	20.56	1
5	16-QAM	1	0	18.97	18.91	19.10	20.56	1
		1	12	18.97	19.18	18.99	20.56	1
		1	24	19.27	18.96	18.93	20.56	1
		12	0	17.97	18.11	17.91	19.56	2
		12	6	18.04	18.04	17.99	19.56	2
		12	13	18.15	18.05	18.10	19.56	2
		25	0	18.03	18.03	18.04	19.56	2
5	64-QAM	1	0	17.97	17.97	18.05	19.56	2
		1	12	18.21	18.25	18.13	19.56	2
		1	24	18.27	18.08	17.99	19.56	2
		12	0	17.12	17.09	16.99	18.56	3
		12	6	17.23	17.11	16.89	18.56	3
		12	13	16.91	17.02	16.91	18.56	3
		25	0	17.06	17.03	17.10	18.56	3
5	256-QAM	1	0	17.06	17.00	16.96	18.56	3
		1	12	17.12	17.28	17.23	18.56	3
		1	24	17.12	16.98	17.09	18.56	3
		12	0	16.13	16.05	16.18	17.56	4
		12	6	16.06	16.06	15.93	17.56	4
		12	13	16.26	16.15	16.28	17.56	4
		25	0	16.08	16.11	15.94	17.56	4

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
Channel				19965	20175	20385		
3	QPSK	1	0	20.01	19.91	19.96	21.56	0
		1	7	20.15	20.13	20.16	21.56	0
		1	14	19.90	20.12	19.98	21.56	0
		8	0	19.07	19.19	19.01	20.56	1
		8	4	18.96	19.24	19.08	20.56	1
		8	7	19.27	18.93	19.24	20.56	1
		15	0	19.19	18.97	19.18	20.56	1
3	16-QAM	1	0	19.06	19.14	18.90	20.56	1
		1	7	19.00	18.98	19.05	20.56	1
		1	14	19.02	19.25	19.02	20.56	1
		8	0	18.06	17.90	18.01	19.56	2
		8	4	18.08	17.96	18.13	19.56	2
		8	7	17.98	18.01	18.12	19.56	2
		15	0	18.07	18.09	18.13	19.56	2
3	64-QAM	1	0	18.26	17.96	17.89	19.56	2
		1	7	17.95	18.15	18.21	19.56	2
		1	14	18.09	18.02	17.97	19.56	2
		8	0	17.11	17.01	17.28	18.56	3
		8	4	17.25	16.96	17.21	18.56	3
		8	7	17.06	17.19	16.90	18.56	3
		15	0	16.90	17.03	17.20	18.56	3
3	256-QAM	1	0	17.14	17.18	17.07	18.56	3
		1	7	16.93	16.97	17.10	18.56	3
		1	14	17.12	17.10	17.27	18.56	3
		8	0	16.10	16.28	15.90	17.56	4
		8	4	16.10	16.18	15.97	17.56	4
		8	7	15.91	16.02	16.19	17.56	4
		15	0	16.27	16.14	16.18	17.56	4

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
Channel				19957	20175	20393		
1.4	QPSK	1	0	20.14	19.94	20.09	21.56	0
		1	2	20.06	20.14	20.10	21.56	0
		1	5	20.12	20.07	19.95	21.56	0
		3	0	20.11	20.02	20.08	21.56	0
		3	2	20.21	19.90	19.96	21.56	0
		3	3	20.02	20.14	20.10	21.56	0
		6	0	19.10	19.17	19.07	20.56	1
1.4	16-QAM	1	0	19.18	18.98	18.93	20.56	1
		1	2	18.93	18.90	19.19	20.56	1
		1	5	18.97	19.01	18.93	20.56	1
		3	0	19.22	19.05	18.96	20.56	1
		3	2	19.10	19.03	19.12	20.56	1
		3	3	19.27	18.90	19.12	20.56	1
		6	0	18.06	18.20	18.13	19.56	2
1.4	64-QAM	1	0	18.27	18.01	18.00	19.56	2
		1	2	18.02	18.23	17.92	19.56	2
		1	5	18.27	18.01	17.90	19.56	2
		3	0	18.28	17.95	17.97	19.56	2
		3	2	17.91	18.16	17.95	19.56	2
		3	3	18.25	17.97	18.12	19.56	2
		6	0	17.14	17.13	17.24	18.56	3
1.4	256-QAM	1	0	17.16	17.03	17.24	18.56	3
		1	2	17.17	16.92	17.28	18.56	3
		1	5	17.17	16.95	16.94	18.56	3
		3	0	17.26	17.21	17.25	18.56	3
		3	2	17.17	17.20	16.97	18.56	3
		3	3	17.23	17.28	17.27	18.56	3
		6	0	16.00	15.99	16.14	17.56	4

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				829	836.5	844		
Channel				20450	20525	20600		
10	QPSK	1	0	23.30	23.17	23.13	24.00	0
		1	25	23.29	23.06	23.37	24.00	0
		1	49	23.14	23.01	23.36	24.00	0
		25	0	22.18	22.10	22.00	23.00	1
		25	12	22.06	22.00	22.23	23.00	1
		25	25	22.14	22.33	22.13	23.00	1
		50	0	22.01	22.03	22.30	23.00	1
10	16-QAM	1	0	22.36	22.05	22.37	23.00	1
		1	25	22.10	22.03	22.18	23.00	1
		1	49	22.17	22.34	21.99	23.00	1
		25	0	21.19	21.28	21.22	22.00	2
		25	12	21.28	21.32	21.29	22.00	2
		25	25	21.07	20.98	21.31	22.00	2
		50	0	21.25	21.00	21.33	22.00	2
10	64-QAM	1	0	21.03	21.21	21.27	22.00	2
		1	25	21.00	21.00	21.37	22.00	2
		1	49	21.17	20.99	21.21	22.00	2
		25	0	20.37	20.08	20.34	21.00	3
		25	12	20.23	20.03	20.00	21.00	3
		25	25	20.21	20.17	20.29	21.00	3
		50	0	19.99	20.37	20.19	21.00	3
10	256-QAM	1	0	20.32	20.17	20.37	21.00	3
		1	25	20.15	20.12	20.37	21.00	3
		1	49	20.02	20.29	19.98	21.00	3
		25	0	19.30	19.30	19.07	20.00	4
		25	12	19.36	19.20	19.08	20.00	4
		25	25	19.30	19.23	19.14	20.00	4
		50	0	18.99	19.10	19.37	20.00	4

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				826.5	836.5	846.5		
Channel				20425	20525	20625		
5	QPSK	1	0	23.31	23.36	23.31	24.00	0
		1	12	23.32	23.36	22.99	24.00	0
		1	24	23.30	23.13	23.33	24.00	0
		12	0	22.18	22.17	22.07	23.00	1
		12	6	22.12	22.03	22.12	23.00	1
		12	13	22.09	22.10	22.36	23.00	1
		25	0	22.04	22.00	22.26	23.00	1
5	16-QAM	1	0	22.11	22.11	22.30	23.00	1
		1	12	22.04	22.36	22.36	23.00	1
		1	24	21.98	22.04	22.10	23.00	1
		12	0	21.05	21.04	21.25	22.00	2
		12	6	21.00	21.02	21.25	22.00	2
		12	13	21.17	20.98	21.22	22.00	2
		25	0	21.37	21.19	21.17	22.00	2
5	64-QAM	1	0	21.20	21.05	21.33	22.00	2
		1	12	21.11	21.31	21.17	22.00	2
		1	24	21.07	21.16	21.27	22.00	2
		12	0	20.25	20.32	19.98	21.00	3
		12	6	20.29	20.05	20.16	21.00	3
		12	13	20.20	19.98	20.32	21.00	3
		25	0	20.22	20.33	20.26	21.00	3
5	256-QAM	1	0	19.98	20.24	20.11	21.00	3
		1	12	20.10	20.35	20.09	21.00	3
		1	24	20.36	20.20	20.21	21.00	3
		12	0	19.26	19.09	19.11	20.00	4
		12	6	19.01	19.23	19.35	20.00	4
		12	13	19.11	19.19	19.00	20.00	4
		25	0	19.07	18.98	19.14	20.00	4

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				825.5	836.5	847.5		
Channel				20415	20525	20635		
3	QPSK	1	0	23.37	23.15	23.34	24.00	0
		1	7	23.19	23.16	23.22	24.00	0
		1	14	23.19	23.15	22.98	24.00	0
		8	0	22.15	22.36	22.30	23.00	1
		8	4	22.09	22.35	22.27	23.00	1
		8	7	22.35	22.30	22.03	23.00	1
		15	0	22.17	22.02	22.15	23.00	1
3	16-QAM	1	0	22.32	21.99	22.14	23.00	1
		1	7	22.29	22.01	22.19	23.00	1
		1	14	22.14	22.09	22.16	23.00	1
		8	0	21.14	21.23	21.29	22.00	2
		8	4	21.28	21.32	21.29	22.00	2
		8	7	21.36	21.18	21.28	22.00	2
		15	0	20.98	21.21	21.09	22.00	2
3	64-QAM	1	0	21.09	21.12	21.37	22.00	2
		1	7	21.03	21.29	21.19	22.00	2
		1	14	21.13	21.30	21.06	22.00	2
		8	0	20.01	20.18	19.99	21.00	3
		8	4	20.07	20.10	20.25	21.00	3
		8	7	20.09	20.12	20.30	21.00	3
		15	0	20.10	20.00	20.17	21.00	3
3	256-QAM	1	0	20.07	20.11	20.15	21.00	3
		1	7	20.07	20.14	20.26	21.00	3
		1	14	20.26	20.08	20.16	21.00	3
		8	0	19.36	19.25	19.35	20.00	4
		8	4	19.19	19.30	19.08	20.00	4
		8	7	19.37	19.27	19.04	20.00	4
		15	0	19.09	19.34	18.98	20.00	4

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				824.7	836.5	848.3		
Channel				20407	20525	20643		
1.4	QPSK	1	0	23.14	23.03	23.06	24.00	0
		1	2	22.98	23.32	23.10	24.00	0
		1	5	22.99	23.29	23.23	24.00	0
		3	0	23.36	23.11	23.35	24.00	0
		3	2	23.10	23.11	23.35	24.00	0
		3	3	22.98	23.23	23.14	24.00	0
		6	0	22.11	22.17	22.24	23.00	1
1.4	16-QAM	1	0	22.34	22.31	22.11	23.00	1
		1	2	22.04	22.04	22.07	23.00	1
		1	5	22.14	22.32	22.30	23.00	1
		3	0	22.30	22.24	22.28	23.00	1
		3	2	22.29	22.35	21.98	23.00	1
		3	3	22.20	22.15	22.13	23.00	1
		6	0	21.28	21.22	21.27	22.00	2
1.4	64-QAM	1	0	21.28	21.06	21.00	22.00	2
		1	2	21.21	21.07	21.11	22.00	2
		1	5	21.00	21.12	21.34	22.00	2
		3	0	20.98	20.98	21.00	22.00	2
		3	2	21.16	21.29	21.29	22.00	2
		3	3	21.18	21.23	21.02	22.00	2
		6	0	20.17	20.34	20.16	21.00	3
1.4	256-QAM	1	0	20.02	19.98	20.32	21.00	3
		1	2	20.26	20.23	20.34	21.00	3
		1	5	20.09	20.35	20.27	21.00	3
		3	0	20.16	20.10	20.10	21.00	3
		3	2	20.26	20.09	20.27	21.00	3
		3	3	20.08	20.14	20.34	21.00	3
		6	0	19.22	19.06	19.25	20.00	4

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LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				20850	21100	21350		
20	QPSK	1	0	22.46	22.09	22.42	23.44	0
		1	50	22.34	22.14	22.29	23.44	0
		1	99	22.19	22.15	22.35	23.44	0
		50	0	21.39	21.34	21.39	22.44	1
		50	25	21.27	21.14	21.13	22.44	1
		50	50	21.25	21.33	21.43	22.44	1
		100	0	21.43	21.13	21.32	22.44	1
20	16-QAM	1	0	21.28	21.35	21.12	22.44	1
		1	50	21.24	21.11	21.33	22.44	1
		1	99	21.31	21.11	21.39	22.44	1
		50	0	20.43	20.21	20.10	21.44	2
		50	25	20.18	20.27	20.40	21.44	2
		50	50	20.16	20.10	20.09	21.44	2
		100	0	20.48	20.26	20.29	21.44	2
20	64-QAM	1	0	20.46	20.25	20.29	21.44	2
		1	50	20.30	20.33	20.30	21.44	2
		1	99	20.11	20.18	20.10	21.44	2
		50	0	19.13	19.13	19.29	20.44	3
		50	25	19.11	19.38	19.43	20.44	3
		50	50	19.30	19.14	19.18	20.44	3
		100	0	19.13	19.13	19.24	20.44	3
20	256-QAM	1	0	19.15	19.09	19.25	20.44	3
		1	50	19.34	19.31	19.28	20.44	3
		1	99	19.31	19.23	19.25	20.44	3
		50	0	18.28	18.48	18.22	19.44	4
		50	25	18.37	18.18	18.41	19.44	4
		50	50	18.21	18.11	18.23	19.44	4
		100	0	18.35	18.40	18.26	19.44	4

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2507.5	2535	2562.5		
Channel				20825	21100	21375		
15	QPSK	1	0	22.39	22.44	22.42	23.44	0
		1	36	22.15	22.31	22.27	23.44	0
		1	74	22.10	22.15	22.31	23.44	0
		36	0	21.45	21.31	21.15	22.44	1
		36	18	21.35	21.23	21.48	22.44	1
		36	37	21.23	21.32	21.20	22.44	1
		75	0	21.22	21.25	21.41	22.44	1
15	16-QAM	1	0	21.47	21.14	21.41	22.44	1
		1	36	21.11	21.09	21.45	22.44	1
		1	74	21.16	21.13	21.39	22.44	1
		36	0	20.41	20.40	20.25	21.44	2
		36	18	20.35	20.37	20.17	21.44	2
		36	37	20.19	20.27	20.19	21.44	2
		75	0	20.40	20.32	20.42	21.44	2
15	64-QAM	1	0	20.45	20.30	20.40	21.44	2
		1	36	20.14	20.46	20.24	21.44	2
		1	74	20.09	20.46	20.25	21.44	2
		36	0	19.25	19.22	19.22	20.44	3
		36	18	19.12	19.17	19.34	20.44	3
		36	37	19.14	19.40	19.47	20.44	3
		75	0	19.35	19.25	19.14	20.44	3
15	256-QAM	1	0	19.38	19.48	19.38	20.44	3
		1	36	19.43	19.39	19.42	20.44	3
		1	74	19.27	19.25	19.36	20.44	3
		36	0	18.47	18.21	18.15	19.44	4
		36	18	18.17	18.19	18.36	19.44	4
		36	37	18.24	18.30	18.37	19.44	4
		75	0	18.45	18.20	18.26	19.44	4

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Frequency (MHz)				2505	2535	2565		
Channel				20800	21100	21400		
10	QPSK	1	0	22.21	22.43	22.19	23.44	0
		1	25	22.17	22.38	22.30	23.44	0
		1	49	22.31	22.41	22.23	23.44	0
		25	0	21.43	21.45	21.37	22.44	1
		25	12	21.14	21.43	21.40	22.44	1
		25	25	21.33	21.16	21.10	22.44	1
		50	0	21.10	21.14	21.36	22.44	1
10	16-QAM	1	0	21.27	21.46	21.12	22.44	1
		1	25	21.11	21.12	21.21	22.44	1
		1	49	21.26	21.42	21.09	22.44	1
		25	0	20.12	20.12	20.10	21.44	2
		25	12	20.13	20.30	20.23	21.44	2
		25	25	20.37	20.36	20.33	21.44	2
		50	0	20.48	20.40	20.20	21.44	2
10	64-QAM	1	0	20.16	20.36	20.13	21.44	2
		1	25	20.35	20.10	20.26	21.44	2
		1	49	20.47	20.13	20.47	21.44	2
		25	0	19.37	19.42	19.11	20.44	3
		25	12	19.19	19.39	19.21	20.44	3
		25	25	19.22	19.35	19.25	20.44	3
		50	0	19.41	19.35	19.46	20.44	3
10	256-QAM	1	0	19.09	19.12	19.10	20.44	3
		1	25	19.24	19.40	19.35	20.44	3
		1	49	19.39	19.27	19.29	20.44	3
		25	0	18.27	18.24	18.41	19.44	4
		25	12	18.15	18.42	18.42	19.44	4
		25	25	18.12	18.19	18.12	19.44	4
		50	0	18.33	18.12	18.19	19.44	4

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2502.5	2535	2567.5		
Channel				20775	21100	21425		
5	QPSK	1	0	22.40	22.11	22.22	23.44	0
		1	12	22.20	22.39	22.33	23.44	0
		1	24	22.26	22.25	22.29	23.44	0
		12	0	21.35	21.23	21.28	22.44	1
		12	6	21.19	21.28	21.16	22.44	1
		12	13	21.32	21.43	21.48	22.44	1
		25	0	21.13	21.23	21.45	22.44	1
5	16-QAM	1	0	21.26	21.33	21.26	22.44	1
		1	12	21.45	21.11	21.12	22.44	1
		1	24	21.24	21.15	21.40	22.44	1
		12	0	20.18	20.11	20.20	21.44	2
		12	6	20.15	20.38	20.42	21.44	2
		12	13	20.42	20.22	20.45	21.44	2
		25	0	20.32	20.32	20.17	21.44	2
5	64-QAM	1	0	20.19	20.36	20.39	21.44	2
		1	12	20.16	20.24	20.34	21.44	2
		1	24	20.29	20.18	20.47	21.44	2
		12	0	19.30	19.30	19.27	20.44	3
		12	6	19.22	19.25	19.17	20.44	3
		12	13	19.15	19.19	19.36	20.44	3
		25	0	19.42	19.25	19.09	20.44	3
5	256-QAM	1	0	19.33	19.22	19.16	20.44	3
		1	12	19.25	19.25	19.21	20.44	3
		1	24	19.27	19.40	19.42	20.44	3
		12	0	18.44	18.36	18.22	19.44	4
		12	6	18.12	18.32	18.15	19.44	4
		12	13	18.23	18.13	18.10	19.44	4
		25	0	18.20	18.30	18.36	19.44	4

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LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				704	707.5	711		
Channel				23060	23095	23130		
10	QPSK	1	0	23.05	23.24	23.12	24.00	0
		1	25	23.18	23.03	23.19	24.00	0
		1	49	23.19	23.10	23.26	24.00	0
		25	0	22.24	22.03	22.28	23.00	1
		25	12	22.12	22.29	22.06	23.00	1
		25	25	22.12	21.98	22.28	23.00	1
		50	0	22.10	22.28	22.13	23.00	1
10	16-QAM	1	0	22.04	22.24	22.09	23.00	1
		1	25	22.35	22.37	22.32	23.00	1
		1	49	22.05	22.26	22.19	23.00	1
		25	0	21.12	21.00	21.25	22.00	2
		25	12	21.02	21.16	20.99	22.00	2
		25	25	21.20	21.34	21.33	22.00	2
		50	0	21.16	21.31	21.08	22.00	2
10	64-QAM	1	0	21.07	21.26	21.10	22.00	2
		1	25	21.37	21.11	21.26	22.00	2
		1	49	21.03	21.06	21.16	22.00	2
		25	0	20.05	20.01	19.99	21.00	3
		25	12	20.10	20.34	20.31	21.00	3
		25	25	20.03	20.29	20.19	21.00	3
		50	0	20.02	20.11	20.09	21.00	3
10	256-QAM	1	0	20.28	20.15	20.16	21.00	3
		1	25	20.10	20.18	20.20	21.00	3
		1	49	20.02	20.14	20.05	21.00	3
		25	0	19.24	19.33	19.33	20.00	4
		25	12	19.31	19.21	19.17	20.00	4
		25	25	19.22	19.22	19.09	20.00	4
		50	0	19.37	19.34	19.07	20.00	4

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LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				701.5	707.5	713.5		
Channel				23035	23095	23155		
5	QPSK	1	0	23.21	23.04	23.05	24.00	0
		1	12	23.24	23.10	23.21	24.00	0
		1	24	23.25	23.13	23.07	24.00	0
		12	0	22.15	22.29	22.01	23.00	1
		12	6	22.32	22.32	22.09	23.00	1
		12	13	22.07	22.14	21.99	23.00	1
		25	0	22.13	22.36	22.29	23.00	1
5	16-QAM	1	0	22.26	22.04	22.16	23.00	1
		1	12	22.18	22.27	22.05	23.00	1
		1	24	22.21	22.11	22.20	23.00	1
		12	0	21.07	21.29	21.06	22.00	2
		12	6	21.34	21.15	21.21	22.00	2
		12	13	21.32	21.28	21.34	22.00	2
		25	0	21.20	21.14	21.03	22.00	2
5	64-QAM	1	0	21.27	21.17	21.27	22.00	2
		1	12	21.06	21.14	21.12	22.00	2
		1	24	21.04	20.99	21.06	22.00	2
		12	0	20.35	20.12	20.16	21.00	3
		12	6	20.12	20.28	20.24	21.00	3
		12	13	20.32	20.19	20.24	21.00	3
		25	0	20.10	20.00	20.36	21.00	3
5	256-QAM	1	0	20.03	20.27	20.00	21.00	3
		1	12	20.32	19.99	20.03	21.00	3
		1	24	20.08	20.14	20.20	21.00	3
		12	0	19.36	19.07	19.32	20.00	4
		12	6	19.17	19.22	19.23	20.00	4
		12	13	19.32	19.14	19.31	20.00	4
		25	0	19.25	19.07	19.23	20.00	4

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LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				700.5	707.5	714.5		
Channel				23025	23095	23165		
3	QPSK	1	0	23.18	23.03	23.11	24.00	0
		1	7	23.24	23.12	23.06	24.00	0
		1	14	23.09	23.01	23.04	24.00	0
		8	0	22.32	22.14	22.02	23.00	1
		8	4	22.06	22.10	22.24	23.00	1
		8	7	22.22	22.01	22.27	23.00	1
		15	0	22.10	22.17	22.31	23.00	1
3	16-QAM	1	0	22.09	22.29	22.02	23.00	1
		1	7	22.20	22.14	22.07	23.00	1
		1	14	21.99	22.26	22.18	23.00	1
		8	0	21.22	21.25	21.03	22.00	2
		8	4	21.14	21.29	21.33	22.00	2
		8	7	21.13	21.25	21.25	22.00	2
		15	0	21.06	21.15	21.24	22.00	2
3	64-QAM	1	0	21.33	21.01	21.17	22.00	2
		1	7	21.33	21.37	21.34	22.00	2
		1	14	21.11	21.01	21.33	22.00	2
		8	0	20.04	20.00	20.14	21.00	3
		8	4	20.20	20.00	20.14	21.00	3
		8	7	20.12	20.17	20.17	21.00	3
		15	0	19.99	20.09	20.26	21.00	3
3	256-QAM	1	0	20.04	20.36	20.04	21.00	3
		1	7	20.33	20.37	20.27	21.00	3
		1	14	20.00	20.01	20.11	21.00	3
		8	0	19.14	19.02	19.08	20.00	4
		8	4	18.99	19.12	19.29	20.00	4
		8	7	19.35	19.07	19.16	20.00	4
		15	0	19.27	19.05	19.23	20.00	4

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LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				699.7	707.5	715.3		
Channel				23017	23095	23173		
1.4	QPSK	1	0	23.02	23.23	23.07	24.00	0
		1	2	23.23	23.13	23.13	24.00	0
		1	5	23.17	23.19	22.99	24.00	0
		3	0	23.16	23.13	23.14	24.00	0
		3	2	22.98	23.22	23.11	24.00	0
		3	3	23.23	23.00	23.16	24.00	0
		6	0	22.15	22.28	22.08	23.00	1
1.4	16-QAM	1	0	21.99	22.05	22.35	23.00	1
		1	2	21.98	22.05	22.33	23.00	1
		1	5	22.15	21.99	22.05	23.00	1
		3	0	22.36	22.02	22.23	23.00	1
		3	2	22.10	22.28	22.24	23.00	1
		3	3	22.18	22.18	22.30	23.00	1
		6	0	21.06	21.13	21.28	22.00	2
1.4	64-QAM	1	0	21.06	21.13	21.05	22.00	2
		1	2	21.11	21.21	21.18	22.00	2
		1	5	21.08	21.17	21.10	22.00	2
		3	0	21.12	21.36	21.27	22.00	2
		3	2	21.07	21.10	21.18	22.00	2
		3	3	21.16	21.04	21.15	22.00	2
		6	0	20.30	20.13	20.23	21.00	3
1.4	256-QAM	1	0	20.07	20.10	20.12	21.00	3
		1	2	20.13	20.01	19.98	21.00	3
		1	5	20.32	19.99	20.03	21.00	3
		3	0	20.21	20.09	20.37	21.00	3
		3	2	20.01	20.10	20.04	21.00	3
		3	3	20.24	20.01	20.21	21.00	3
		6	0	19.00	19.17	19.18	20.00	4

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LTE Band 13								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					782			
Channel					23230			
10	QPSK	1	0		23.01		24.00	0
		1	25		23.35		24.00	0
		1	49		23.14		24.00	0
		25	0		22.35		23.00	1
		25	12		22.28		23.00	1
		25	25		22.13		23.00	1
		50	0		22.36		23.00	1
10	16-QAM	1	0		22.12		23.00	1
		1	25		22.10		23.00	1
		1	49		21.99		23.00	1
		25	0		21.02		22.00	2
		25	12		21.36		22.00	2
		25	25		21.14		22.00	2
		50	0		21.31		22.00	2
10	64-QAM	1	0		21.05		22.00	2
		1	25		20.99		22.00	2
		1	49		21.20		22.00	2
		25	0		20.03		21.00	3
		25	12		20.09		21.00	3
		25	25		20.33		21.00	3
		50	0		20.18		21.00	3
10	256-QAM	1	0		20.08		21.00	3
		1	25		20.31		21.00	3
		1	49		20.05		21.00	3
		25	0		19.36		20.00	4
		25	12		19.14		20.00	4
		25	25		19.26		20.00	4
		50	0		19.28		20.00	4

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LTE Band 13								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				779.5	782	784.5		
Channel				23205	23230	23255		
5	QPSK	1	0	23.20	23.08	23.15	24.00	0
		1	12	23.32	23.16	23.32	24.00	0
		1	24	23.27	23.09	23.09	24.00	0
		12	0	22.20	22.32	22.23	23.00	1
		12	6	22.10	21.99	22.14	23.00	1
		12	13	22.26	22.01	22.27	23.00	1
		25	0	22.33	22.21	22.02	23.00	1
5	16-QAM	1	0	22.31	22.21	22.04	23.00	1
		1	12	22.05	22.15	22.36	23.00	1
		1	24	22.16	21.98	22.30	23.00	1
		12	0	21.16	21.23	21.13	22.00	2
		12	6	21.09	21.29	21.16	22.00	2
		12	13	21.10	21.31	21.14	22.00	2
		25	0	21.29	21.30	21.23	22.00	2
5	64-QAM	1	0	21.11	21.33	21.37	22.00	2
		1	12	21.12	21.14	21.07	22.00	2
		1	24	21.30	21.35	21.36	22.00	2
		12	0	20.33	19.99	19.98	21.00	3
		12	6	20.03	20.34	20.22	21.00	3
		12	13	20.00	20.11	20.31	21.00	3
		25	0	20.09	20.20	20.11	21.00	3
5	256-QAM	1	0	20.08	20.14	20.13	21.00	3
		1	12	20.29	20.08	20.31	21.00	3
		1	24	20.27	20.04	20.15	21.00	3
		12	0	18.99	19.12	19.15	20.00	4
		12	6	19.29	19.06	19.34	20.00	4
		12	13	19.13	19.01	19.36	20.00	4
		25	0	19.24	19.02	19.36	20.00	4

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LTE Band 14								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					793			
Channel					23330			
10	QPSK	1	0		23.15		24.00	0
		1	25		23.22		24.00	0
		1	49		23.23		24.00	0
		25	0		22.19		23.00	1
		25	12		22.12		23.00	1
		25	25		22.28		23.00	1
		50	0		22.21		23.00	1
10	16-QAM	1	0		22.07		23.00	1
		1	25		22.07		23.00	1
		1	49		22.15		23.00	1
		25	0		21.30		22.00	2
		25	12		21.12		22.00	2
		25	25		21.13		22.00	2
		50	0		21.02		22.00	2
10	64-QAM	1	0		21.32		22.00	2
		1	25		21.04		22.00	2
		1	49		21.09		22.00	2
		25	0		20.11		21.00	3
		25	12		20.01		21.00	3
		25	25		20.01		21.00	3
		50	0		20.20		21.00	3
10	256-QAM	1	0		20.13		21.00	3
		1	25		20.35		21.00	3
		1	49		20.06		21.00	3
		25	0		19.21		20.00	4
		25	12		19.02		20.00	4
		25	25		19.06		20.00	4
		50	0		19.09		20.00	4

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LTE Band 14								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				790.5	793	795.5		
Channel				23305	23330	23355		
5	QPSK	1	0	23.14	23.08	23.13	24.00	0
		1	12	23.13	23.09	22.99	24.00	0
		1	24	23.13	22.98	23.09	24.00	0
		12	0	22.16	22.36	22.07	23.00	1
		12	6	22.11	22.33	22.19	23.00	1
		12	13	22.17	22.25	21.98	23.00	1
		25	0	21.99	22.00	22.11	23.00	1
5	16-QAM	1	0	22.18	22.00	22.35	23.00	1
		1	12	22.32	22.07	22.29	23.00	1
		1	24	22.18	22.26	22.33	23.00	1
		12	0	21.37	21.30	21.18	22.00	2
		12	6	21.24	21.02	21.37	22.00	2
		12	13	21.19	21.17	21.29	22.00	2
		25	0	21.18	21.35	21.11	22.00	2
5	64-QAM	1	0	21.05	21.25	21.37	22.00	2
		1	12	21.12	20.98	21.13	22.00	2
		1	24	21.00	21.30	21.13	22.00	2
		12	0	20.07	20.14	20.12	21.00	3
		12	6	20.20	20.19	20.37	21.00	3
		12	13	19.99	20.15	19.98	21.00	3
		25	0	20.14	20.36	20.05	21.00	3
5	256-QAM	1	0	20.00	20.27	20.10	21.00	3
		1	12	20.13	20.35	20.34	21.00	3
		1	24	20.06	20.24	20.12	21.00	3
		12	0	19.19	19.37	19.06	20.00	4
		12	6	19.22	19.19	19.22	20.00	4
		12	13	19.00	19.37	19.04	20.00	4
		25	0	19.28	19.36	19.37	20.00	4

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LTE Band 17								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				709	710	711		
Channel				23780	23790	23800		
10	QPSK	1	0	23.11	23.08	23.18	24.00	0
		1	25	23.19	23.11	23.01	24.00	0
		1	49	23.27	23.21	23.03	24.00	0
		25	0	22.26	21.98	22.27	23.00	1
		25	12	22.00	22.25	22.00	23.00	1
		25	25	22.07	22.11	22.04	23.00	1
		50	0	22.12	22.11	22.04	23.00	1
10	16-QAM	1	0	22.24	22.16	22.20	23.00	1
		1	25	22.11	22.27	22.25	23.00	1
		1	49	22.14	21.98	22.18	23.00	1
		25	0	21.15	21.17	21.05	22.00	2
		25	12	21.01	21.10	21.02	22.00	2
		25	25	21.17	21.12	21.13	22.00	2
		50	0	21.02	21.12	21.04	22.00	2
10	64-QAM	1	0	21.05	21.12	21.21	22.00	2
		1	25	21.01	21.13	21.12	22.00	2
		1	49	21.02	21.27	21.00	22.00	2
		25	0	20.17	20.10	20.04	21.00	3
		25	12	20.02	20.17	20.00	21.00	3
		25	25	20.19	20.20	20.08	21.00	3
		50	0	20.00	20.23	20.13	21.00	3
10	256-QAM	1	0	20.19	20.16	20.00	21.00	3
		1	25	20.23	20.21	20.14	21.00	3
		1	49	20.12	20.26	20.22	21.00	3
		25	0	19.16	19.18	19.16	20.00	4
		25	12	19.04	19.00	19.10	20.00	4
		25	25	19.18	19.05	19.15	20.00	4
		50	0	19.04	19.25	19.17	20.00	4

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LTE Band 17								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				706.5	710	713.5		
Channel				23755	23790	23825		
5	QPSK	1	0	23.00	23.21	23.25	24.00	0
		1	12	22.99	23.06	23.26	24.00	0
		1	24	23.17	23.04	23.02	24.00	0
		12	0	22.17	22.02	22.05	23.00	1
		12	6	22.00	22.10	22.01	23.00	1
		12	13	22.03	21.99	22.00	23.00	1
		25	0	22.22	22.20	22.03	23.00	1
5	16-QAM	1	0	22.23	22.06	22.16	23.00	1
		1	12	22.11	22.11	22.12	23.00	1
		1	24	22.21	22.21	22.18	23.00	1
		12	0	21.23	21.01	21.02	22.00	2
		12	6	21.15	21.20	21.17	22.00	2
		12	13	21.18	21.07	21.25	22.00	2
		25	0	21.21	21.04	21.01	22.00	2
5	64-QAM	1	0	21.07	21.02	21.05	22.00	2
		1	12	20.99	21.03	20.98	22.00	2
		1	24	21.21	21.26	21.00	22.00	2
		12	0	19.99	20.27	20.18	21.00	3
		12	6	20.26	20.05	20.16	21.00	3
		12	13	20.01	20.09	20.23	21.00	3
		25	0	20.19	20.03	20.23	21.00	3
5	256-QAM	1	0	20.09	19.99	19.98	21.00	3
		1	12	20.27	20.06	20.23	21.00	3
		1	24	20.19	20.24	20.07	21.00	3
		12	0	19.04	19.20	19.09	20.00	4
		12	6	19.04	19.12	19.03	20.00	4
		12	13	19.13	18.99	19.09	20.00	4
		25	0	19.13	19.25	18.99	20.00	4

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				26140	26365	26590		
20	QPSK	1	0	21.76	21.73	21.87	22.87	0
		1	50	21.66	21.69	21.80	22.87	0
		1	99	21.67	21.62	21.72	22.87	0
		50	0	20.61	20.79	20.71	21.87	1
		50	25	20.68	20.72	20.70	21.87	1
		50	50	20.69	20.73	20.61	21.87	1
		100	0	20.79	20.68	20.69	21.87	1
20	16-QAM	1	0	20.76	20.74	20.77	21.87	1
		1	50	20.70	20.64	20.77	21.87	1
		1	99	20.67	20.79	20.64	21.87	1
		50	0	19.67	19.62	19.75	20.87	2
		50	25	19.67	19.65	19.71	20.87	2
		50	50	19.66	19.80	19.75	20.87	2
		100	0	19.70	19.74	19.67	20.87	2
20	64-QAM	1	0	19.80	19.73	19.76	20.87	2
		1	50	19.62	19.78	19.62	20.87	2
		1	99	19.65	19.74	19.68	20.87	2
		50	0	18.74	18.72	18.68	19.87	3
		50	25	18.69	18.71	18.63	19.87	3
		50	50	18.78	18.67	18.62	19.87	3
		100	0	18.78	18.78	18.69	19.87	3
20	256-QAM	1	0	18.76	18.63	18.79	19.87	3
		1	50	18.65	18.74	18.74	19.87	3
		1	99	18.69	18.70	18.79	19.87	3
		50	0	17.76	17.61	17.63	18.87	4
		50	25	17.63	17.66	17.64	18.87	4
		50	50	17.64	17.70	17.73	18.87	4
		100	0	17.66	17.77	17.74	18.87	4

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				26115	26365	26615		
15	QPSK	1	0	21.40	21.32	21.31	22.87	0
		1	36	21.33	21.37	21.47	22.87	0
		1	74	21.39	21.40	21.41	22.87	0
		36	0	20.34	20.31	20.49	21.87	1
		36	18	20.44	20.39	20.36	21.87	1
		36	37	20.35	20.42	20.46	21.87	1
		75	0	20.32	20.41	20.38	21.87	1
15	16-QAM	1	0	20.35	20.45	20.44	21.87	1
		1	36	20.33	20.33	20.43	21.87	1
		1	74	20.41	20.45	20.38	21.87	1
		36	0	19.41	19.42	19.36	20.87	2
		36	18	19.37	19.31	19.44	20.87	2
		36	37	19.49	19.34	19.39	20.87	2
		75	0	19.42	19.36	19.38	20.87	2
15	64-QAM	1	0	19.34	19.45	19.36	20.87	2
		1	36	19.44	19.32	19.32	20.87	2
		1	74	19.42	19.39	19.41	20.87	2
		36	0	18.44	18.31	18.38	19.87	3
		36	18	18.36	18.39	18.45	19.87	3
		36	37	18.40	18.46	18.48	19.87	3
		75	0	18.40	18.47	18.50	19.87	3
15	256-QAM	1	0	18.45	18.41	18.47	19.87	3
		1	36	18.48	18.41	18.43	19.87	3
		1	74	18.41	18.47	18.43	19.87	3
		36	0	17.40	17.32	17.37	18.87	4
		36	18	17.34	17.45	17.49	18.87	4
		36	37	17.45	17.35	17.43	18.87	4
		75	0	17.37	17.40	17.34	18.87	4

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1882.5	1910		
Channel				26090	26365	26640		
10	QPSK	1	0	21.37	21.39	21.44	22.87	0
		1	25	21.35	21.50	21.38	22.87	0
		1	49	21.39	21.31	21.44	22.87	0
		25	0	20.41	20.34	20.37	21.87	1
		25	12	20.44	20.49	20.44	21.87	1
		25	25	20.42	20.37	20.34	21.87	1
		50	0	20.44	20.48	20.41	21.87	1
10	16-QAM	1	0	20.32	20.50	20.42	21.87	1
		1	25	20.31	20.36	20.43	21.87	1
		1	49	20.50	20.36	20.46	21.87	1
		25	0	19.38	19.46	19.42	20.87	2
		25	12	19.48	19.44	19.35	20.87	2
		25	25	19.33	19.44	19.41	20.87	2
		50	0	19.47	19.38	19.41	20.87	2
10	64-QAM	1	0	19.37	19.41	19.49	20.87	2
		1	25	19.35	19.43	19.47	20.87	2
		1	49	19.40	19.36	19.41	20.87	2
		25	0	18.44	18.32	18.34	19.87	3
		25	12	18.50	18.49	18.37	19.87	3
		25	25	18.32	18.45	18.44	19.87	3
		50	0	18.49	18.35	18.43	19.87	3
10	256-QAM	1	0	18.40	18.50	18.47	19.87	3
		1	25	18.36	18.50	18.32	19.87	3
		1	49	18.42	18.43	18.32	19.87	3
		25	0	17.34	17.35	17.39	18.87	4
		25	12	17.48	17.40	17.32	18.87	4
		25	25	17.42	17.50	17.36	18.87	4
		50	0	17.50	17.32	17.37	18.87	4

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
Channel				26065	26365	26665		
5	QPSK	1	0	21.41	21.42	21.42	22.87	0
		1	12	21.31	21.34	21.31	22.87	0
		1	24	21.46	21.41	21.46	22.87	0
		12	0	20.39	20.49	20.46	21.87	1
		12	6	20.33	20.44	20.46	21.87	1
		12	13	20.50	20.35	20.35	21.87	1
		25	0	20.31	20.48	20.31	21.87	1
5	16-QAM	1	0	20.41	20.44	20.40	21.87	1
		1	12	20.49	20.49	20.48	21.87	1
		1	24	20.35	20.37	20.49	21.87	1
		12	0	19.38	19.40	19.39	20.87	2
		12	6	19.32	19.42	19.39	20.87	2
		12	13	19.42	19.47	19.31	20.87	2
		25	0	19.34	19.36	19.38	20.87	2
5	64-QAM	1	0	19.32	19.32	19.31	20.87	2
		1	12	19.42	19.39	19.39	20.87	2
		1	24	19.41	19.50	19.33	20.87	2
		12	0	18.46	18.31	18.46	19.87	3
		12	6	18.48	18.35	18.35	19.87	3
		12	13	18.35	18.33	18.44	19.87	3
		25	0	18.32	18.32	18.39	19.87	3
5	256-QAM	1	0	18.40	18.46	18.46	19.87	3
		1	12	18.39	18.40	18.43	19.87	3
		1	24	18.44	18.40	18.44	19.87	3
		12	0	17.43	17.34	17.37	18.87	4
		12	6	17.36	17.39	17.38	18.87	4
		12	13	17.37	17.48	17.44	18.87	4
		25	0	17.34	17.32	17.46	18.87	4

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1882.5	1913.5		
Channel				26055	26365	26675		
3	QPSK	1	0	21.37	21.44	21.47	22.87	0
		1	7	21.44	21.49	21.37	22.87	0
		1	14	21.33	21.39	21.35	22.87	0
		8	0	20.43	20.41	20.40	21.87	1
		8	4	20.33	20.50	20.46	21.87	1
		8	7	20.41	20.45	20.38	21.87	1
		15	0	20.44	20.40	20.41	21.87	1
3	16-QAM	1	0	20.42	20.31	20.41	21.87	1
		1	7	20.36	20.46	20.39	21.87	1
		1	14	20.39	20.40	20.45	21.87	1
		8	0	19.41	19.45	19.33	20.87	2
		8	4	19.38	19.42	19.37	20.87	2
		8	7	19.35	19.31	19.41	20.87	2
		15	0	19.40	19.40	19.43	20.87	2
3	64-QAM	1	0	19.38	19.43	19.48	20.87	2
		1	7	19.31	19.32	19.42	20.87	2
		1	14	19.36	19.50	19.34	20.87	2
		8	0	18.45	18.32	18.35	19.87	3
		8	4	18.48	18.35	18.43	19.87	3
		8	7	18.47	18.32	18.38	19.87	3
		15	0	18.50	18.45	18.31	19.87	3
3	256-QAM	1	0	18.50	18.39	18.36	19.87	3
		1	7	18.35	18.38	18.45	19.87	3
		1	14	18.43	18.35	18.38	19.87	3
		8	0	17.32	17.47	17.41	18.87	4
		8	4	17.43	17.36	17.33	18.87	4
		8	7	17.41	17.31	17.34	18.87	4
		15	0	17.40	17.31	17.42	18.87	4

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1882.5	1914.3		
Channel				26047	26365	26683		
1.4	QPSK	1	0	21.55	21.43	21.41	22.87	0
		1	2	21.45	21.46	21.46	22.87	0
		1	5	21.34	21.38	21.40	22.87	0
		3	0	21.39	21.34	21.40	22.87	0
		3	2	21.31	21.33	21.31	22.87	0
		3	3	21.35	21.36	21.31	22.87	0
		6	0	20.48	20.31	20.50	21.87	1
1.4	16-QAM	1	0	20.34	20.34	20.38	21.87	1
		1	2	20.45	20.32	20.46	21.87	1
		1	5	20.48	20.46	20.31	21.87	1
		3	0	20.46	20.32	20.38	21.87	1
		3	2	20.45	20.36	20.37	21.87	1
		3	3	20.47	20.49	20.36	21.87	1
		6	0	19.39	19.34	19.38	20.87	2
1.4	64-QAM	1	0	19.37	19.40	19.33	20.87	2
		1	2	19.44	19.41	19.32	20.87	2
		1	5	19.43	19.38	19.34	20.87	2
		3	0	19.45	19.32	19.32	20.87	2
		3	2	19.39	19.40	19.32	20.87	2
		3	3	19.47	19.35	19.31	20.87	2
		6	0	18.35	18.34	18.50	19.87	3
1.4	256-QAM	1	0	18.34	18.49	18.45	19.87	3
		1	2	18.39	18.39	18.49	19.87	3
		1	5	18.45	18.42	18.34	19.87	3
		3	0	18.36	18.35	18.36	19.87	3
		3	2	18.31	18.33	18.45	19.87	3
		3	3	18.46	18.50	18.31	19.87	3
		6	0	17.34	17.44	17.32	18.87	4

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				821.5	831.5	841.5		
Channel				26765	26865	26965		
15	QPSK	1	0	23.05	23.19	23.07	24.00	0
		1	36	23.06	23.18	23.08	24.00	0
		1	74	23.24	23.02	22.99	24.00	0
		36	0	22.14	22.03	22.12	23.00	1
		36	18	22.02	22.13	22.03	23.00	1
		36	37	22.07	22.15	22.12	23.00	1
		75	0	22.26	22.26	22.09	23.00	1
15	16-QAM	1	0	22.03	21.98	22.16	23.00	1
		1	36	22.08	22.26	22.11	23.00	1
		1	74	22.21	22.16	22.00	23.00	1
		36	0	21.02	21.19	21.00	22.00	2
		36	18	21.08	21.18	20.99	22.00	2
		36	37	21.13	21.16	21.22	22.00	2
		75	0	21.12	21.22	20.99	22.00	2
15	64-QAM	1	0	21.04	21.04	20.99	22.00	2
		1	36	21.21	21.23	21.09	22.00	2
		1	74	21.24	21.24	21.04	22.00	2
		36	0	20.14	20.22	20.02	21.00	3
		36	18	20.26	19.98	20.13	21.00	3
		36	37	20.08	20.15	20.26	21.00	3
		75	0	20.02	20.12	19.99	21.00	3
15	256-QAM	1	0	19.98	20.15	20.07	21.00	3
		1	36	20.18	20.01	20.22	21.00	3
		1	74	20.02	20.18	20.05	21.00	3
		36	0	19.25	19.19	19.07	20.00	4
		36	18	19.22	19.14	19.11	20.00	4
		36	37	19.08	19.17	19.08	20.00	4
		75	0	19.05	19.03	19.03	20.00	4

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				819	831.5	844		
Channel				26740	26865	26990		
10	QPSK	1	0	23.06	23.22	23.13	24.00	0
		1	25	23.20	22.98	22.99	24.00	0
		1	49	23.18	23.08	23.05	24.00	0
		25	0	22.27	22.26	22.26	23.00	1
		25	12	22.26	22.04	22.05	23.00	1
		25	25	22.25	22.07	22.17	23.00	1
		50	0	22.25	22.13	22.19	23.00	1
10	16-QAM	1	0	22.26	22.08	21.99	23.00	1
		1	25	22.08	22.13	22.05	23.00	1
		1	49	22.08	22.25	22.08	23.00	1
		25	0	21.03	21.18	21.15	22.00	2
		25	12	21.20	21.04	21.10	22.00	2
		25	25	21.24	21.17	21.06	22.00	2
		50	0	21.19	21.22	21.08	22.00	2
10	64-QAM	1	0	21.22	21.11	21.25	22.00	2
		1	25	21.08	21.15	21.13	22.00	2
		1	49	21.00	21.20	21.21	22.00	2
		25	0	20.22	20.27	20.25	21.00	3
		25	12	20.08	20.13	20.06	21.00	3
		25	25	20.20	20.18	20.18	21.00	3
		50	0	20.16	19.99	20.14	21.00	3
10	256-QAM	1	0	20.11	20.16	20.05	21.00	3
		1	25	20.10	20.12	20.12	21.00	3
		1	49	20.08	20.17	20.10	21.00	3
		25	0	19.09	19.18	19.07	20.00	4
		25	12	19.26	19.26	19.12	20.00	4
		25	25	19.13	19.20	19.15	20.00	4
		50	0	19.17	19.03	19.07	20.00	4

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				816.5	831.5	846.5		
Channel				26715	26865	27015		
5	QPSK	1	0	23.10	23.20	23.17	24.00	0
		1	12	23.16	23.09	23.23	24.00	0
		1	24	23.19	23.09	23.10	24.00	0
		12	0	22.11	22.00	22.01	23.00	1
		12	6	22.12	22.11	21.99	23.00	1
		12	13	22.06	22.05	22.09	23.00	1
		25	0	22.16	22.02	22.05	23.00	1
5	16-QAM	1	0	22.15	22.17	22.14	23.00	1
		1	12	22.24	22.08	22.24	23.00	1
		1	24	21.99	22.17	21.99	23.00	1
		12	0	20.99	21.14	21.08	22.00	2
		12	6	21.15	21.07	21.04	22.00	2
		12	13	21.24	21.05	21.24	22.00	2
		25	0	21.12	21.15	21.13	22.00	2
5	64-QAM	1	0	21.26	21.10	21.03	22.00	2
		1	12	21.14	20.99	21.17	22.00	2
		1	24	21.26	21.13	21.26	22.00	2
		12	0	20.17	20.18	20.17	21.00	3
		12	6	20.17	20.27	20.10	21.00	3
		12	13	20.03	20.16	20.24	21.00	3
		25	0	19.99	20.06	20.21	21.00	3
5	256-QAM	1	0	20.02	20.16	20.21	21.00	3
		1	12	20.12	20.01	20.25	21.00	3
		1	24	20.04	20.06	20.16	21.00	3
		12	0	19.23	19.08	19.00	20.00	4
		12	6	19.06	19.07	19.11	20.00	4
		12	13	19.04	19.14	19.27	20.00	4
		25	0	19.00	19.26	19.02	20.00	4

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				815.5	831.5	847.5		
Channel				26705	26865	27025		
3	QPSK	1	0	23.17	23.14	23.01	24.00	0
		1	7	23.20	23.18	23.22	24.00	0
		1	14	23.22	23.16	23.06	24.00	0
		8	0	22.14	22.23	22.05	23.00	1
		8	4	22.17	22.15	22.12	23.00	1
		8	7	22.14	22.08	21.99	23.00	1
		15	0	22.22	22.24	22.27	23.00	1
3	16-QAM	1	0	22.23	22.20	22.01	23.00	1
		1	7	22.21	22.05	22.01	23.00	1
		1	14	22.26	22.23	22.09	23.00	1
		8	0	21.16	21.25	21.24	22.00	2
		8	4	21.12	21.14	21.07	22.00	2
		8	7	21.14	21.27	20.99	22.00	2
		15	0	21.10	20.98	21.17	22.00	2
3	64-QAM	1	0	21.03	21.17	21.10	22.00	2
		1	7	21.25	21.17	21.25	22.00	2
		1	14	21.16	21.21	21.18	22.00	2
		8	0	20.26	20.27	20.22	21.00	3
		8	4	20.27	20.08	20.00	21.00	3
		8	7	20.08	20.15	20.27	21.00	3
		15	0	20.10	20.10	20.14	21.00	3
3	256-QAM	1	0	20.12	20.16	20.02	21.00	3
		1	7	20.23	20.15	19.98	21.00	3
		1	14	20.14	20.12	20.25	21.00	3
		8	0	18.98	19.26	19.04	20.00	4
		8	4	19.17	19.15	19.06	20.00	4
		8	7	19.24	19.16	19.27	20.00	4
		15	0	19.24	19.21	19.13	20.00	4

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				814.7	831.5	848.3		
Channel				26697	26865	27033		
1.4	QPSK	1	0	22.99	23.15	23.21	24.00	0
		1	2	23.19	23.18	23.13	24.00	0
		1	5	23.05	23.21	22.98	24.00	0
		3	0	23.18	23.02	23.15	24.00	0
		3	2	23.15	23.12	23.13	24.00	0
		3	3	23.13	23.07	23.13	24.00	0
		6	0	22.13	22.28	22.34	23.00	1
1.4	16-QAM	1	0	22.35	22.00	22.07	23.00	1
		1	2	22.33	22.01	22.35	23.00	1
		1	5	22.14	22.15	22.03	23.00	1
		3	0	22.22	22.30	22.13	23.00	1
		3	2	22.10	21.98	22.17	23.00	1
		3	3	22.14	22.17	22.29	23.00	1
		6	0	21.20	21.34	21.02	22.00	2
1.4	64-QAM	1	0	21.08	21.28	21.34	22.00	2
		1	2	21.14	21.20	21.35	22.00	2
		1	5	21.29	21.22	20.99	22.00	2
		3	0	21.06	21.09	20.98	22.00	2
		3	2	21.17	21.03	20.98	22.00	2
		3	3	21.23	21.14	21.11	22.00	2
		6	0	20.12	20.09	20.07	21.00	3
1.4	256-QAM	1	0	20.25	20.23	20.09	21.00	3
		1	2	20.34	20.23	20.05	21.00	3
		1	5	20.26	20.05	20.04	21.00	3
		3	0	20.13	20.18	20.28	21.00	3
		3	2	20.29	20.03	19.98	21.00	3
		3	3	20.18	20.04	20.21	21.00	3
		6	0	19.06	19.12	19.19	20.00	4

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				132072	132322	132572		
20	QPSK	1	0	19.61	19.84	19.90	20.57	0
		1	50	19.62	19.76	19.66	20.57	0
		1	99	19.84	19.97	19.64	20.57	0
		50	0	18.76	18.77	18.85	19.57	1
		50	25	18.70	18.89	18.78	19.57	1
		50	50	18.62	18.77	18.86	19.57	1
		100	0	18.91	18.75	18.60	19.57	1
20	16-QAM	1	0	18.79	18.68	18.86	19.57	1
		1	50	18.95	18.97	18.94	19.57	1
		1	99	18.67	18.70	18.97	19.57	1
		50	0	17.68	17.86	17.94	18.57	2
		50	25	17.90	17.90	17.86	18.57	2
		50	50	17.97	17.68	17.77	18.57	2
		100	0	17.98	17.79	17.95	18.57	2
20	64-QAM	1	0	17.91	17.83	17.83	18.57	2
		1	50	17.84	17.70	17.68	18.57	2
		1	99	17.93	17.87	17.98	18.57	2
		50	0	16.84	16.77	16.80	17.57	3
		50	25	16.69	16.84	16.90	17.57	3
		50	50	16.70	16.68	16.60	17.57	3
		100	0	16.86	16.67	16.87	17.57	3
20	256-QAM	1	0	16.61	16.83	16.63	17.57	3
		1	50	16.92	16.66	16.87	17.57	3
		1	99	16.87	16.78	16.75	17.57	3
		50	0	15.73	15.60	15.71	16.57	4
		50	25	15.69	15.76	15.86	16.57	4
		50	50	15.70	15.91	15.92	16.57	4
		100	0	15.94	15.85	15.94	16.57	4

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1745	1772.5		
Channel				132047	132322	132597		
15	QPSK	1	0	19.64	19.61	19.80	20.57	0
		1	36	19.84	19.80	19.73	20.57	0
		1	74	19.80	19.80	19.77	20.57	0
		36	0	18.69	18.95	18.92	19.57	1
		36	18	18.88	18.70	18.77	19.57	1
		36	37	18.86	18.64	18.84	19.57	1
		75	0	18.78	18.94	18.63	19.57	1
15	16-QAM	1	0	18.97	18.93	18.66	19.57	1
		1	36	18.94	18.93	18.88	19.57	1
		1	74	18.77	18.65	18.72	19.57	1
		36	0	17.81	17.79	17.88	18.57	2
		36	18	17.97	17.80	17.95	18.57	2
		36	37	17.95	17.96	17.97	18.57	2
		75	0	17.98	17.69	17.70	18.57	2
15	64-QAM	1	0	17.60	17.90	17.98	18.57	2
		1	36	17.80	17.70	17.70	18.57	2
		1	74	17.90	17.63	17.74	18.57	2
		36	0	16.96	16.59	16.95	17.57	3
		36	18	16.76	16.67	16.77	17.57	3
		36	37	16.90	16.96	16.81	17.57	3
		75	0	16.98	16.67	16.86	17.57	3
15	256-QAM	1	0	16.76	16.61	16.60	17.57	3
		1	36	16.87	16.94	16.74	17.57	3
		1	74	16.96	16.85	16.77	17.57	3
		36	0	15.94	15.76	15.72	16.57	4
		36	18	15.81	15.91	15.73	16.57	4
		36	37	15.59	15.92	15.98	16.57	4
		75	0	15.59	15.97	15.71	16.57	4

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1745	1775		
Channel				132022	132322	132622		
10	QPSK	1	0	19.83	19.77	19.89	20.57	0
		1	25	19.78	19.87	19.92	20.57	0
		1	49	19.66	19.91	19.91	20.57	0
		25	0	18.97	18.80	18.78	19.57	1
		25	12	18.70	18.59	18.62	19.57	1
		25	25	18.78	18.61	18.89	19.57	1
		50	0	18.59	18.60	18.77	19.57	1
10	16-QAM	1	0	18.61	18.70	18.92	19.57	1
		1	25	18.98	18.92	18.87	19.57	1
		1	49	18.59	18.90	18.96	19.57	1
		25	0	17.92	17.73	17.78	18.57	2
		25	12	17.64	17.67	17.92	18.57	2
		25	25	17.84	17.65	17.63	18.57	2
		50	0	17.79	17.77	17.88	18.57	2
10	64-QAM	1	0	17.60	17.90	17.63	18.57	2
		1	25	17.92	17.97	17.86	18.57	2
		1	49	17.74	17.89	17.98	18.57	2
		25	0	16.92	16.65	16.69	17.57	3
		25	12	16.74	16.64	16.92	17.57	3
		25	25	16.84	16.66	16.97	17.57	3
		50	0	16.77	16.93	16.82	17.57	3
10	256-QAM	1	0	16.62	16.60	16.67	17.57	3
		1	25	16.60	16.73	16.70	17.57	3
		1	49	16.80	16.87	16.65	17.57	3
		25	0	15.72	15.80	15.63	16.57	4
		25	12	15.69	15.78	15.96	16.57	4
		25	25	15.60	15.75	15.78	16.57	4
		50	0	15.94	15.85	15.88	16.57	4

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1745	1777.5		
Channel				131997	132322	132647		
5	QPSK	1	0	19.59	19.90	19.81	20.57	0
		1	12	19.90	19.93	19.88	20.57	0
		1	24	19.82	19.92	19.69	20.57	0
		12	0	18.76	18.73	18.73	19.57	1
		12	6	18.75	18.61	18.77	19.57	1
		12	13	18.71	18.71	18.86	19.57	1
		25	0	18.94	18.80	18.88	19.57	1
5	16-QAM	1	0	18.89	18.83	18.75	19.57	1
		1	12	18.60	18.71	18.70	19.57	1
		1	24	18.90	18.59	18.75	19.57	1
		12	0	17.83	17.61	17.77	18.57	2
		12	6	17.94	17.64	17.82	18.57	2
		12	13	17.68	17.80	17.77	18.57	2
		25	0	17.86	17.87	17.82	18.57	2
5	64-QAM	1	0	17.89	17.68	17.92	18.57	2
		1	12	17.68	17.82	17.77	18.57	2
		1	24	17.93	17.86	17.83	18.57	2
		12	0	16.78	16.84	16.74	17.57	3
		12	6	16.73	16.72	16.82	17.57	3
		12	13	16.88	16.76	16.82	17.57	3
		25	0	16.96	16.85	16.73	17.57	3
5	256-QAM	1	0	16.81	16.61	16.89	17.57	3
		1	12	16.68	16.64	16.90	17.57	3
		1	24	16.78	16.94	16.79	17.57	3
		12	0	15.60	15.82	15.78	16.57	4
		12	6	15.71	15.88	15.62	16.57	4
		12	13	15.84	15.89	15.95	16.57	4
		25	0	15.61	15.89	15.75	16.57	4

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1745	1778.5		
Channel				131987	132322	132657		
3	QPSK	1	0	19.60	19.60	19.78	20.57	0
		1	7	19.68	19.76	19.72	20.57	0
		1	14	19.85	19.64	19.77	20.57	0
		8	0	18.75	18.74	18.83	19.57	1
		8	4	18.85	18.66	18.68	19.57	1
		8	7	18.75	18.67	18.68	19.57	1
		15	0	18.82	18.67	18.71	19.57	1
3	16-QAM	1	0	18.89	18.84	18.87	19.57	1
		1	7	18.67	18.68	18.85	19.57	1
		1	14	18.90	18.68	18.66	19.57	1
		8	0	17.61	17.88	17.67	18.57	2
		8	4	17.69	17.97	17.83	18.57	2
		8	7	17.96	17.91	17.67	18.57	2
		15	0	17.86	17.88	17.90	18.57	2
3	64-QAM	1	0	17.74	17.67	17.63	18.57	2
		1	7	17.96	17.97	17.87	18.57	2
		1	14	17.86	17.92	17.60	18.57	2
		8	0	16.72	16.84	16.93	17.57	3
		8	4	16.72	16.94	16.60	17.57	3
		8	7	16.98	16.88	16.70	17.57	3
		15	0	16.74	16.79	16.59	17.57	3
3	256-QAM	1	0	16.98	16.93	16.64	17.57	3
		1	7	16.91	16.65	16.65	17.57	3
		1	14	16.71	16.61	16.78	17.57	3
		8	0	15.80	15.78	15.92	16.57	4
		8	4	15.62	15.82	15.85	16.57	4
		8	7	15.76	15.62	15.84	16.57	4
		15	0	15.95	15.80	15.73	16.57	4

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1745	1779.3		
Channel				131979	132322	132665		
1.4	QPSK	1	0	19.93	19.72	19.66	20.57	0
		1	2	19.62	19.68	19.64	20.57	0
		1	5	19.65	19.68	19.65	20.57	0
		3	0	19.66	19.59	19.67	20.57	0
		3	2	19.79	19.71	19.91	20.57	0
		3	3	19.94	19.78	19.81	20.57	0
		6	0	18.82	18.78	18.63	19.57	1
1.4	16-QAM	1	0	18.65	18.79	18.77	19.57	1
		1	2	18.76	18.67	18.74	19.57	1
		1	5	18.98	18.79	18.81	19.57	1
		3	0	18.97	18.93	18.89	19.57	1
		3	2	18.95	18.90	18.94	19.57	1
		3	3	18.96	18.89	18.76	19.57	1
		6	0	17.88	17.72	17.91	18.57	2
1.4	64-QAM	1	0	17.91	17.97	17.92	18.57	2
		1	2	17.69	17.75	17.85	18.57	2
		1	5	17.62	17.71	17.75	18.57	2
		3	0	17.69	17.61	17.87	18.57	2
		3	2	17.92	17.77	17.60	18.57	2
		3	3	17.82	17.90	17.90	18.57	2
		6	0	16.95	16.69	16.80	17.57	3
1.4	256-QAM	1	0	16.95	16.75	16.59	17.57	3
		1	2	16.94	16.66	16.93	17.57	3
		1	5	16.63	16.95	16.83	17.57	3
		3	0	16.88	16.80	16.86	17.57	3
		3	2	16.94	16.59	16.88	17.57	3
		3	3	16.96	16.67	16.96	17.57	3
		6	0	15.69	15.60	15.96	16.57	4

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LTE Band 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	680.5	688		
Channel				133222	133297	133372		
20	QPSK	1	0	22.60	22.50	22.42	24.00	0
		1	50	22.74	22.72	22.42	24.00	0
		1	99	22.79	22.72	22.61	24.00	0
		50	0	21.77	21.64	21.66	23.00	1
		50	25	21.67	21.54	21.63	23.00	1
		50	50	21.57	21.44	21.61	23.00	1
		100	0	21.45	21.63	21.73	23.00	1
20	16-QAM	1	0	21.56	21.67	21.41	23.00	1
		1	50	21.58	21.74	21.61	23.00	1
		1	99	21.42	21.75	21.65	23.00	1
		50	0	20.65	20.58	20.45	22.00	2
		50	25	20.48	20.42	20.71	22.00	2
		50	50	20.43	20.64	20.55	22.00	2
		100	0	20.59	20.67	20.64	22.00	2
20	64-QAM	1	0	20.55	20.39	20.40	22.00	2
		1	50	20.48	20.62	20.52	22.00	2
		1	99	20.75	20.60	20.59	22.00	2
		50	0	19.62	19.62	19.62	21.00	3
		50	25	19.41	19.61	19.78	21.00	3
		50	50	19.63	19.59	19.74	21.00	3
		100	0	19.57	19.78	19.50	21.00	3
20	256-QAM	1	0	19.77	19.69	19.54	21.00	3
		1	50	19.40	19.59	19.68	21.00	3
		1	99	19.46	19.60	19.56	21.00	3
		50	0	18.42	18.46	18.49	20.00	4
		50	25	18.58	18.46	18.40	20.00	4
		50	50	18.44	18.50	18.48	20.00	4
		100	0	18.48	18.58	18.74	20.00	4

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LTE Band 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				670.5	680.5	690.5		
Channel				133197	133297	133397		
15	QPSK	1	0	22.53	22.62	22.40	24.00	0
		1	36	22.69	22.62	22.43	24.00	0
		1	74	22.74	22.69	22.61	24.00	0
		36	0	21.78	21.70	21.73	23.00	1
		36	18	21.39	21.75	21.44	23.00	1
		36	37	21.41	21.52	21.64	23.00	1
		75	0	21.39	21.52	21.74	23.00	1
15	16-QAM	1	0	21.70	21.39	21.69	23.00	1
		1	36	21.62	21.58	21.45	23.00	1
		1	74	21.45	21.48	21.59	23.00	1
		36	0	20.64	20.56	20.49	22.00	2
		36	18	20.51	20.68	20.68	22.00	2
		36	37	20.56	20.60	20.46	22.00	2
		75	0	20.63	20.56	20.77	22.00	2
15	64-QAM	1	0	20.77	20.64	20.48	22.00	2
		1	36	20.72	20.50	20.74	22.00	2
		1	74	20.42	20.75	20.48	22.00	2
		36	0	19.74	19.55	19.44	21.00	3
		36	18	19.59	19.49	19.49	21.00	3
		36	37	19.55	19.67	19.64	21.00	3
		75	0	19.41	19.76	19.59	21.00	3
15	256-QAM	1	0	19.62	19.68	19.52	21.00	3
		1	36	19.68	19.53	19.71	21.00	3
		1	74	19.74	19.48	19.75	21.00	3
		36	0	18.70	18.47	18.72	20.00	4
		36	18	18.52	18.61	18.78	20.00	4
		36	37	18.56	18.41	18.65	20.00	4
		75	0	18.55	18.75	18.69	20.00	4

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LTE Band 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				668	680.5	693		
Channel				133172	133297	133422		
10	QPSK	1	0	22.60	22.42	22.56	24.00	0
		1	25	22.71	22.61	22.73	24.00	0
		1	49	22.69	22.59	22.48	24.00	0
		25	0	21.78	21.66	21.41	23.00	1
		25	12	21.60	21.53	21.48	23.00	1
		25	25	21.77	21.44	21.46	23.00	1
		50	0	21.67	21.73	21.39	23.00	1
10	16-QAM	1	0	21.59	21.57	21.74	23.00	1
		1	25	21.52	21.63	21.55	23.00	1
		1	49	21.39	21.52	21.50	23.00	1
		25	0	20.53	20.66	20.67	22.00	2
		25	12	20.72	20.49	20.65	22.00	2
		25	25	20.49	20.74	20.60	22.00	2
		50	0	20.51	20.50	20.44	22.00	2
10	64-QAM	1	0	20.41	20.67	20.64	22.00	2
		1	25	20.46	20.78	20.77	22.00	2
		1	49	20.41	20.71	20.64	22.00	2
		25	0	19.65	19.57	19.60	21.00	3
		25	12	19.56	19.63	19.67	21.00	3
		25	25	19.53	19.60	19.40	21.00	3
		50	0	19.75	19.72	19.69	21.00	3
10	256-QAM	1	0	19.48	19.75	19.43	21.00	3
		1	25	19.63	19.60	19.70	21.00	3
		1	49	19.67	19.64	19.73	21.00	3
		25	0	18.66	18.42	18.58	20.00	4
		25	12	18.64	18.60	18.63	20.00	4
		25	25	18.76	18.67	18.51	20.00	4
		50	0	18.55	18.45	18.43	20.00	4

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LTE Band 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				665.5	680.5	695.5		
Channel				133147	133297	133447		
5	QPSK	1	0	22.50	22.47	22.63	24.00	0
		1	12	22.77	22.42	22.74	24.00	0
		1	24	22.54	22.44	22.49	24.00	0
		12	0	21.41	21.43	21.70	23.00	1
		12	6	21.50	21.70	21.67	23.00	1
		12	13	21.48	21.47	21.77	23.00	1
		25	0	21.77	21.71	21.66	23.00	1
5	16-QAM	1	0	21.62	21.65	21.45	23.00	1
		1	12	21.74	21.54	21.76	23.00	1
		1	24	21.60	21.58	21.65	23.00	1
		12	0	20.76	20.78	20.45	22.00	2
		12	6	20.41	20.44	20.78	22.00	2
		12	13	20.57	20.50	20.63	22.00	2
		25	0	20.68	20.67	20.76	22.00	2
5	64-QAM	1	0	20.39	20.78	20.51	22.00	2
		1	12	20.44	20.51	20.41	22.00	2
		1	24	20.61	20.49	20.57	22.00	2
		12	0	19.40	19.70	19.49	21.00	3
		12	6	19.75	19.47	19.65	21.00	3
		12	13	19.43	19.69	19.44	21.00	3
		25	0	19.69	19.47	19.68	21.00	3
5	256-QAM	1	0	19.66	19.57	19.50	21.00	3
		1	12	19.73	19.75	19.77	21.00	3
		1	24	19.49	19.70	19.41	21.00	3
		12	0	18.73	18.77	18.71	20.00	4
		12	6	18.64	18.55	18.40	20.00	4
		12	13	18.39	18.73	18.73	20.00	4
		25	0	18.54	18.43	18.71	20.00	4

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5.3 TDD LTE

LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2580	2595	2610		
Channel				37850	38000	38150		
20	QPSK	1	0	22.63	22.57	22.44	23.08	0
		1	50	22.62	22.45	22.47	23.08	0
		1	99	22.69	22.83	22.78	23.08	0
		50	0	21.53	21.71	21.59	22.08	1
		50	25	21.51	21.49	21.67	22.08	1
		50	50	21.63	21.70	21.55	22.08	1
		100	0	21.56	21.49	21.46	22.08	1
20	16-QAM	1	0	21.58	21.54	21.68	22.08	1
		1	50	21.40	21.52	21.51	22.08	1
		1	99	21.74	21.66	21.47	22.08	1
		50	0	20.55	20.41	20.78	21.08	2
		50	25	20.71	20.40	20.70	21.08	2
		50	50	20.59	20.69	20.78	21.08	2
		100	0	20.43	20.39	20.43	21.08	2
20	64-QAM	1	0	20.73	20.70	20.64	21.08	2
		1	50	20.39	20.40	20.53	21.08	2
		1	99	20.45	20.42	20.52	21.08	2
		50	0	19.53	19.45	19.41	20.08	3
		50	25	19.68	19.71	19.69	20.08	3
		50	50	19.62	19.55	19.67	20.08	3
		100	0	19.53	19.49	19.74	20.08	3
20	256-QAM	1	0	19.73	19.63	19.64	20.08	3
		1	50	19.68	19.39	19.52	20.08	3
		1	99	19.70	19.72	19.57	20.08	3
		50	0	18.41	18.74	18.52	19.08	4
		50	25	18.51	18.68	18.54	19.08	4
		50	50	18.55	18.50	18.67	19.08	4
		100	0	18.64	18.68	18.68	19.08	4

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LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2577.5	2595	2612.5		
Channel				37825	38000	38175		
15	QPSK	1	0	22.52	22.70	22.64	23.08	0
		1	36	22.63	22.67	22.60	23.08	0
		1	74	22.40	22.64	22.74	23.08	0
		36	0	21.51	21.41	21.65	22.08	1
		36	18	21.39	21.57	21.48	22.08	1
		36	37	21.43	21.63	21.48	22.08	1
		75	0	21.72	21.59	21.75	22.08	1
15	16-QAM	1	0	21.76	21.70	21.55	22.08	1
		1	36	21.72	21.43	21.49	22.08	1
		1	74	21.55	21.54	21.48	22.08	1
		36	0	20.66	20.57	20.76	21.08	2
		36	18	20.44	20.51	20.67	21.08	2
		36	37	20.48	20.64	20.53	21.08	2
		75	0	20.71	20.47	20.45	21.08	2
15	64-QAM	1	0	20.76	20.40	20.68	21.08	2
		1	36	20.68	20.76	20.39	21.08	2
		1	74	20.50	20.65	20.67	21.08	2
		36	0	19.45	19.54	19.66	20.08	3
		36	18	19.50	19.57	19.41	20.08	3
		36	37	19.75	19.65	19.53	20.08	3
		75	0	19.70	19.46	19.50	20.08	3
15	256-QAM	1	0	19.44	19.54	19.55	20.08	3
		1	36	19.61	19.55	19.46	20.08	3
		1	74	19.46	19.49	19.69	20.08	3
		36	0	18.78	18.75	18.60	19.08	4
		36	18	18.45	18.62	18.63	19.08	4
		36	37	18.50	18.61	18.58	19.08	4
		75	0	18.68	18.44	18.43	19.08	4

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LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2575	2595	2615		
Channel				37800	38000	38200		
10	QPSK	1	0	22.70	22.53	22.69	23.08	0
		1	25	22.57	22.76	22.58	23.08	0
		1	49	22.77	22.44	22.50	23.08	0
		25	0	21.56	21.73	21.66	22.08	1
		25	12	21.39	21.61	21.50	22.08	1
		25	25	21.39	21.73	21.51	22.08	1
		50	0	21.54	21.63	21.71	22.08	1
10	16-QAM	1	0	21.77	21.76	21.47	22.08	1
		1	25	21.64	21.66	21.56	22.08	1
		1	49	21.50	21.51	21.61	22.08	1
		25	0	20.47	20.52	20.73	21.08	2
		25	12	20.78	20.67	20.76	21.08	2
		25	25	20.75	20.61	20.77	21.08	2
		50	0	20.55	20.68	20.51	21.08	2
10	64-QAM	1	0	20.45	20.51	20.73	21.08	2
		1	25	20.55	20.63	20.58	21.08	2
		1	49	20.57	20.74	20.73	21.08	2
		25	0	19.54	19.47	19.70	20.08	3
		25	12	19.72	19.67	19.78	20.08	3
		25	25	19.47	19.68	19.43	20.08	3
		50	0	19.71	19.50	19.78	20.08	3
10	256-QAM	1	0	19.54	19.66	19.39	20.08	3
		1	25	19.39	19.64	19.40	20.08	3
		1	49	19.48	19.57	19.42	20.08	3
		25	0	18.72	18.72	18.66	19.08	4
		25	12	18.53	18.39	18.44	19.08	4
		25	25	18.75	18.42	18.45	19.08	4
		50	0	18.56	18.66	18.48	19.08	4

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LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2572.5	2595	2617.5		
Channel				37775	38000	38225		
5	QPSK	1	0	22.49	22.61	22.39	23.08	0
		1	12	22.71	22.41	22.71	23.08	0
		1	24	22.39	22.68	22.43	23.08	0
		12	0	21.64	21.47	21.74	22.08	1
		12	6	21.53	21.40	21.74	22.08	1
		12	13	21.77	21.44	21.74	22.08	1
		25	0	21.71	21.62	21.50	22.08	1
5	16-QAM	1	0	21.74	21.65	21.70	22.08	1
		1	12	21.78	21.47	21.70	22.08	1
		1	24	21.47	21.69	21.40	22.08	1
		12	0	20.39	20.51	20.60	21.08	2
		12	6	20.42	20.57	20.64	21.08	2
		12	13	20.40	20.52	20.77	21.08	2
		25	0	20.78	20.66	20.40	21.08	2
5	64-QAM	1	0	20.47	20.49	20.48	21.08	2
		1	12	20.56	20.60	20.59	21.08	2
		1	24	20.60	20.67	20.59	21.08	2
		12	0	19.78	19.61	19.76	20.08	3
		12	6	19.53	19.58	19.46	20.08	3
		12	13	19.55	19.43	19.73	20.08	3
		25	0	19.63	19.60	19.53	20.08	3
5	256-QAM	1	0	19.44	19.67	19.50	20.08	3
		1	12	19.71	19.57	19.78	20.08	3
		1	24	19.56	19.52	19.45	20.08	3
		12	0	18.78	18.53	18.72	19.08	4
		12	6	18.41	18.62	18.44	19.08	4
		12	13	18.68	18.42	18.56	19.08	4
		25	0	18.51	18.43	18.49	19.08	4

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LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				39750	40185	40620	41055	41490		
20	QPSK	1	0	23.33	23.48	23.17	23.18	23.13	23.49	0
		1	50	23.24	23.41	23.24	23.29	23.09	23.49	0
		1	99	23.31	23.25	23.44	23.40	23.09	23.49	0
		50	0	22.14	22.17	22.27	22.33	22.17	22.49	1
		50	25	22.20	22.11	22.47	22.17	22.25	22.49	1
		50	50	22.43	22.32	22.47	22.25	22.24	22.49	1
		100	0	22.23	22.44	22.41	22.39	22.28	22.49	1
20	16-QAM	1	0	22.14	22.39	22.22	22.17	22.27	22.49	1
		1	50	22.32	22.34	22.41	22.20	22.27	22.49	1
		1	99	22.33	22.48	22.23	22.38	22.25	22.49	1
		50	0	21.45	21.35	21.46	21.16	21.15	21.49	2
		50	25	21.29	21.44	21.31	21.39	21.15	21.49	2
		50	50	21.22	21.12	21.40	21.18	21.48	21.49	2
		100	0	21.41	21.12	21.26	21.37	21.17	21.49	2
20	64-QAM	1	0	21.33	21.31	21.42	21.16	21.20	21.49	2
		1	50	21.12	21.12	21.42	21.13	21.43	21.49	2
		1	99	21.13	21.25	21.31	21.19	21.09	21.49	2
		50	0	20.25	20.43	20.19	20.13	20.20	20.49	3
		50	25	20.32	20.30	20.36	20.47	20.17	20.49	3
		50	50	20.35	20.10	20.38	20.11	20.37	20.49	3
		100	0	20.19	20.29	20.22	20.18	20.24	20.49	3
20	256-QAM	1	0	20.23	20.47	20.18	20.45	20.28	20.49	3
		1	50	20.14	20.21	20.23	20.40	20.16	20.49	3
		1	99	20.27	20.09	20.35	20.14	20.35	20.49	3
		50	0	19.18	19.38	19.43	19.38	19.13	19.49	4
		50	25	19.27	19.12	19.18	19.37	19.45	19.49	4
		50	50	19.32	19.24	19.10	19.33	19.17	19.49	4
		100	0	19.20	19.46	19.19	19.43	19.43	19.49	4

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LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
Channel				39725	40173	40620	41068	41515		
15	QPSK	1	0	23.22	23.24	23.19	23.20	23.22	23.49	0
		1	36	23.12	23.31	23.32	23.20	23.45	23.49	0
		1	74	23.42	23.33	23.47	23.25	23.28	23.49	0
		36	0	22.48	22.11	22.47	22.47	22.39	22.49	1
		36	18	22.11	22.21	22.37	22.32	22.33	22.49	1
		36	37	22.28	22.29	22.32	22.44	22.19	22.49	1
15	16-QAM	75	0	22.32	22.37	22.29	22.38	22.19	22.49	1
		1	0	22.10	22.22	22.48	22.43	22.25	22.49	1
		1	36	22.42	22.19	22.23	22.29	22.44	22.49	1
		1	74	22.43	22.13	22.21	22.33	22.30	22.49	1
		36	0	21.34	21.43	21.42	21.39	21.28	21.49	2
		36	18	21.34	21.44	21.46	21.35	21.27	21.49	2
15	64-QAM	36	37	21.47	21.21	21.36	21.15	21.39	21.49	2
		75	0	21.12	21.46	21.37	21.11	21.36	21.49	2
		1	0	21.18	21.22	21.31	21.34	21.40	21.49	2
		1	36	21.40	21.11	21.20	21.13	21.33	21.49	2
		1	74	21.39	21.14	21.28	21.22	21.17	21.49	2
		36	0	20.17	20.18	20.20	20.12	20.44	20.49	3
15	256-QAM	36	18	20.28	20.40	20.48	20.17	20.30	20.49	3
		36	37	20.31	20.29	20.11	20.35	20.35	20.49	3
		75	0	20.26	20.20	20.16	20.09	20.41	20.49	3
		1	0	20.48	20.16	20.31	20.18	20.31	20.49	3
		1	36	20.13	20.40	20.27	20.32	20.48	20.49	3
		1	74	20.09	20.23	20.13	20.47	20.41	20.49	3
15		36	0	19.37	19.24	19.17	19.17	19.40	19.49	4
		36	18	19.11	19.24	19.40	19.37	19.36	19.49	4
		36	37	19.34	19.14	19.33	19.40	19.33	19.49	4
		75	0	19.17	19.11	19.35	19.28	19.39	19.49	4

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LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
Channel				39700	40160	40620	41080	41540		
10	QPSK	1	0	23.10	23.26	23.24	23.38	23.26	23.49	0
		1	25	23.38	23.16	23.38	23.23	23.17	23.49	0
		1	49	23.42	23.38	23.44	23.17	23.12	23.49	0
		25	0	22.24	22.16	22.13	22.32	22.32	22.49	1
		25	12	22.34	22.35	22.22	22.33	22.15	22.49	1
		25	25	22.43	22.19	22.47	22.16	22.22	22.49	1
10	16-QAM	50	0	22.46	22.15	22.39	22.37	22.32	22.49	1
		1	0	22.20	22.26	22.44	22.18	22.35	22.49	1
		1	25	22.20	22.20	22.22	22.36	22.13	22.49	1
		1	49	22.16	22.45	22.44	22.43	22.47	22.49	1
		25	0	21.27	21.36	21.48	21.43	21.15	21.49	2
		25	12	21.19	21.16	21.46	21.39	21.41	21.49	2
10	64-QAM	25	25	21.38	21.29	21.12	21.10	21.11	21.49	2
		50	0	21.26	21.36	21.46	21.21	21.12	21.49	2
		1	0	21.30	21.46	21.18	21.21	21.29	21.49	2
		1	25	21.25	21.40	21.29	21.31	21.22	21.49	2
		1	49	21.37	21.44	21.15	21.38	21.27	21.49	2
		25	0	20.48	20.22	20.36	20.14	20.28	20.49	3
10	256-QAM	25	12	20.26	20.21	20.43	20.35	20.41	20.49	3
		25	25	20.38	20.43	20.17	20.20	20.48	20.49	3
		50	0	20.20	20.38	20.22	20.11	20.29	20.49	3
		1	0	20.30	20.24	20.41	20.27	20.37	20.49	3
		1	25	20.47	20.22	20.34	20.12	20.11	20.49	3
		1	49	20.09	20.45	20.32	20.23	20.26	20.49	3
10		25	0	19.15	19.25	19.45	19.45	19.15	19.49	4
		25	12	19.12	19.41	19.43	19.10	19.36	19.49	4
		25	25	19.36	19.24	19.15	19.46	19.20	19.49	4
		50	0	19.37	19.19	19.28	19.27	19.29	19.49	4

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LTE Band 41_PC3										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
Channel				39675	40148	40620	41093	41565		
5	QPSK	1	0	23.25	23.35	23.25	23.33	23.32	23.49	0
		1	12	23.24	23.12	23.16	23.33	23.09	23.49	0
		1	24	23.24	23.46	23.21	23.12	23.45	23.49	0
		12	0	22.11	22.36	22.38	22.48	22.16	22.49	1
		12	6	22.27	22.34	22.40	22.28	22.17	22.49	1
		12	13	22.41	22.21	22.25	22.19	22.22	22.49	1
5	16-QAM	25	0	22.30	22.31	22.38	22.31	22.34	22.49	1
		1	0	22.24	22.45	22.45	22.22	22.45	22.49	1
		1	12	22.42	22.44	22.12	22.13	22.16	22.49	1
		1	24	22.12	22.39	22.18	22.32	22.47	22.49	1
		12	0	21.38	21.46	21.20	21.25	21.42	21.49	2
		12	6	21.22	21.22	21.10	21.31	21.38	21.49	2
5	64-QAM	12	13	21.32	21.23	21.41	21.32	21.43	21.49	2
		25	0	21.34	21.35	21.33	21.37	21.42	21.49	2
		1	0	21.14	21.25	21.31	21.46	21.17	21.49	2
		1	12	21.35	21.46	21.10	21.30	21.46	21.49	2
		1	24	21.14	21.18	21.37	21.17	21.17	21.49	2
		12	0	20.10	20.35	20.48	20.35	20.37	20.49	3
5	256-QAM	12	6	20.13	20.46	20.13	20.27	20.46	20.49	3
		12	13	20.31	20.32	20.10	20.42	20.14	20.49	3
		25	0	20.38	20.47	20.46	20.42	20.35	20.49	3
		1	0	20.42	20.47	20.48	20.20	20.41	20.49	3
		1	12	20.25	20.23	20.29	20.43	20.21	20.49	3
		1	24	20.21	20.33	20.19	20.34	20.39	20.49	3
5		12	0	19.38	19.35	19.35	19.37	19.33	19.49	4
		12	6	19.15	19.36	19.35	19.25	19.41	19.49	4
		12	13	19.45	19.45	19.40	19.29	19.25	19.49	4
		25	0	19.10	19.11	19.17	19.22	19.28	19.49	4

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LTE Band 41_PC2										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
Channel				39750	40185	40620	41055	41490		
20	QPSK	1	0	22.83	22.71	22.61	22.77	22.89	23.16	0
		1	50	22.76	22.98	22.82	22.70	22.75	23.16	0
		1	99	22.60	22.72	22.84	22.85	22.97	23.16	0
		50	0	21.91	21.59	21.92	21.91	21.78	22.16	1
		50	25	21.69	21.93	21.81	21.63	21.95	22.16	1
		50	50	21.82	21.76	21.68	21.70	21.82	22.16	1
20	16-QAM	100	0	21.96	21.60	21.96	21.97	21.94	22.16	1
		1	0	21.95	21.93	21.96	21.64	21.84	22.16	1
		1	50	21.83	21.72	21.71	21.94	21.72	22.16	1
		1	99	21.96	21.65	21.94	21.76	21.91	22.16	1
		50	0	20.98	20.75	20.77	20.69	20.93	21.16	2
		50	25	20.79	20.65	20.66	20.94	20.79	21.16	2
20	64-QAM	50	50	20.92	20.80	20.85	20.76	20.76	21.16	2
		100	0	20.62	20.81	20.81	20.80	20.60	21.16	2
		1	0	20.65	20.63	20.90	20.73	20.77	21.16	2
		1	50	20.69	20.66	20.84	20.73	20.73	21.16	2
		1	99	20.73	20.94	20.84	20.75	20.77	21.16	2
		50	0	19.79	19.62	19.89	19.69	19.77	20.16	3
20	256-QAM	50	25	19.98	19.73	19.81	19.83	19.61	20.16	3
		50	50	19.69	19.78	19.74	19.92	19.87	20.16	3
		100	0	19.95	19.84	19.72	19.66	19.65	20.16	3
		1	0	19.88	19.72	19.60	19.61	19.96	20.16	3
		1	50	19.88	19.70	19.71	19.84	19.90	20.16	3
		1	99	19.80	19.91	19.98	19.73	19.83	20.16	3
20		50	0	18.75	18.81	18.97	18.83	18.72	19.16	4
		50	25	18.67	18.79	18.92	18.70	18.87	19.16	4
		50	50	18.82	18.62	18.89	18.70	18.82	19.16	4
		100	0	18.59	18.89	18.69	18.77	18.79	19.16	4

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LTE Band 41_PC2										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				39725	40173	40620	41068	41515		
15	QPSK	1	0	22.93	22.96	22.84	22.91	22.75	23.16	0
		1	36	22.69	22.98	22.92	22.85	22.82	23.16	0
		1	74	22.96	22.97	22.83	22.92	22.90	23.16	0
		36	0	21.77	21.71	21.90	21.67	21.92	22.16	1
		36	18	21.83	21.59	21.77	21.78	21.61	22.16	1
		36	37	21.76	21.70	21.96	21.69	21.79	22.16	1
		75	0	21.74	21.96	21.67	21.92	21.63	22.16	1
15	16-QAM	1	0	21.80	21.98	21.85	21.76	21.65	22.16	1
		1	36	21.86	21.72	21.79	21.61	21.81	22.16	1
		1	74	21.68	21.67	21.81	21.78	21.75	22.16	1
		36	0	20.78	20.67	20.69	20.98	20.78	21.16	2
		36	18	20.88	20.66	20.86	20.92	20.97	21.16	2
		36	37	20.83	20.62	20.60	20.69	20.84	21.16	2
		75	0	20.83	20.89	20.76	20.94	20.78	21.16	2
15	64-QAM	1	0	20.64	20.97	20.71	20.67	20.60	21.16	2
		1	36	20.59	20.97	20.82	20.93	20.63	21.16	2
		1	74	20.62	20.71	20.80	20.77	20.77	21.16	2
		36	0	19.87	19.94	19.88	19.61	19.90	20.16	3
		36	18	19.67	19.94	19.88	19.89	19.94	20.16	3
		36	37	19.71	19.92	19.72	19.89	19.74	20.16	3
		75	0	19.89	19.72	19.67	19.97	19.63	20.16	3
15	256-QAM	1	0	19.72	19.83	19.90	19.96	19.67	20.16	3
		1	36	19.90	19.90	19.93	19.88	19.79	20.16	3
		1	74	19.94	19.90	19.89	19.90	19.71	20.16	3
		36	0	18.78	18.98	18.62	18.97	18.91	19.16	4
		36	18	18.86	18.97	18.80	18.79	18.93	19.16	4
		36	37	18.76	18.80	18.95	18.78	18.80	19.16	4
		75	0	18.84	18.88	18.92	18.73	18.71	19.16	4

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LTE Band 41_PC2										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
Channel				39700	40160	40620	41080	41540		
10	QPSK	1	0	22.84	22.73	22.70	22.81	22.77	23.16	0
		1	25	22.96	22.97	22.84	22.67	22.60	23.16	0
		1	49	22.87	22.71	22.74	22.66	22.67	23.16	0
		25	0	21.91	21.90	21.67	21.80	21.63	22.16	1
		25	12	21.80	21.93	21.97	21.92	21.88	22.16	1
		25	25	21.82	21.65	21.61	21.80	21.81	22.16	1
10	16-QAM	50	0	21.72	21.66	21.63	21.72	21.64	22.16	1
		1	0	21.87	21.91	21.84	21.59	21.82	22.16	1
		1	25	21.66	21.87	21.75	21.82	21.87	22.16	1
		1	49	21.70	21.80	21.77	21.72	21.92	22.16	1
		25	0	20.86	20.60	20.93	20.80	20.85	21.16	2
		25	12	20.81	20.79	20.75	20.64	20.93	21.16	2
10	64-QAM	25	25	20.83	20.88	20.80	20.84	20.88	21.16	2
		50	0	20.84	20.88	20.71	20.84	20.73	21.16	2
		1	0	20.79	20.83	20.88	20.93	20.65	21.16	2
		1	25	20.72	20.59	20.90	20.91	20.63	21.16	2
		1	49	20.64	20.88	20.75	20.93	20.83	21.16	2
		25	0	19.77	19.70	19.81	19.69	19.78	20.16	3
10	256-QAM	25	12	19.83	19.61	19.83	19.69	19.86	20.16	3
		25	25	19.77	19.69	19.82	19.91	19.80	20.16	3
		50	0	19.70	19.93	19.80	19.64	19.97	20.16	3
		1	0	19.93	19.66	19.66	19.80	19.98	20.16	3
		1	25	19.68	19.98	19.88	19.82	19.69	20.16	3
		1	49	19.98	19.64	19.75	19.68	19.95	20.16	3
10	256-QAM	25	0	18.96	18.66	18.70	18.79	18.91	19.16	4
		25	12	18.76	18.83	18.95	18.61	18.84	19.16	4
		25	25	18.67	18.87	18.74	18.67	18.81	19.16	4
		50	0	18.73	18.96	18.71	18.80	18.85	19.16	4

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LTE Band 41_PC2										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
Channel				39675	40148	40620	41093	41565		
5	QPSK	1	0	22.90	22.70	22.62	22.64	22.61	23.16	0
		1	12	22.70	22.98	22.81	22.69	22.93	23.16	0
		1	24	22.79	22.66	22.89	22.64	22.82	23.16	0
		12	0	21.80	21.93	21.74	21.90	21.82	22.16	1
		12	6	21.77	21.63	21.67	21.79	21.87	22.16	1
		12	13	21.96	21.71	21.74	21.89	21.97	22.16	1
5	16-QAM	25	0	21.68	21.85	21.65	21.71	21.91	22.16	1
		1	0	21.70	21.76	21.93	21.91	21.95	22.16	1
		1	12	21.61	21.91	21.96	21.90	21.89	22.16	1
		1	24	21.94	21.73	21.82	21.77	21.74	22.16	1
		12	0	20.70	20.77	20.70	20.90	20.59	21.16	2
		12	6	20.98	20.84	20.88	20.73	20.77	21.16	2
5	64-QAM	12	13	20.96	20.88	20.93	20.65	20.80	21.16	2
		25	0	20.82	20.92	20.76	20.92	20.81	21.16	2
		1	0	20.89	20.88	20.71	20.69	20.64	21.16	2
		1	12	20.60	20.96	20.73	20.85	20.80	21.16	2
		1	24	20.92	20.86	20.65	20.87	20.67	21.16	2
		12	0	19.76	19.82	19.79	19.73	19.81	20.16	3
5	256-QAM	12	6	19.67	19.62	19.91	19.62	19.82	20.16	3
		12	13	19.72	19.94	19.90	19.69	19.81	20.16	3
		25	0	19.69	19.62	19.77	19.93	19.97	20.16	3
		1	0	19.83	19.80	19.80	19.95	19.71	20.16	3
		1	12	19.69	19.88	19.73	19.79	19.62	20.16	3
		1	24	19.66	19.77	19.75	19.93	19.65	20.16	3
5	256-QAM	12	0	18.83	18.76	18.73	18.95	18.62	19.16	4
		12	6	18.80	18.93	18.79	18.89	18.90	19.16	4
		12	13	18.66	18.62	18.78	18.89	18.70	19.16	4
		25	0	18.72	18.82	18.87	18.79	18.64	19.16	4

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LTE Band 42_Part1								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460	3500	3540		
Channel				42190	42590	42990		
20	QPSK	1	0	19.34	19.49	19.55	20.05	0
		1	50	19.34	19.41	19.68	20.05	0
		1	99	19.76	19.66	19.36	20.05	0
		50	0	18.61	18.60	18.59	19.05	1
		50	25	18.55	18.59	18.62	19.05	1
		50	50	18.31	18.60	18.65	19.05	1
		100	0	18.54	18.45	18.40	19.05	1
20	16-QAM	1	0	18.54	18.50	18.40	19.05	1
		1	50	18.29	18.51	18.35	19.05	1
		1	99	18.68	18.29	18.66	19.05	1
		50	0	17.58	17.66	17.62	18.05	2
		50	25	17.65	17.45	17.44	18.05	2
		50	50	17.44	17.55	17.37	18.05	2
		100	0	17.30	17.29	17.58	18.05	2
20	64-QAM	1	0	17.46	17.43	17.44	18.05	2
		1	50	17.43	17.49	17.67	18.05	2
		1	99	17.57	17.67	17.57	18.05	2
		50	0	16.38	16.52	16.52	17.05	3
		50	25	16.52	16.40	16.34	17.05	3
		50	50	16.55	16.65	16.49	17.05	3
		100	0	16.32	16.62	16.41	17.05	3
20	256-QAM	1	0	16.66	16.34	16.50	17.05	3
		1	50	16.53	16.52	16.29	17.05	3
		1	99	16.59	16.57	16.43	17.05	3
		50	0	15.37	15.46	15.60	16.05	4
		50	25	15.29	15.68	15.38	16.05	4
		50	50	15.44	15.55	15.44	16.05	4
		100	0	15.58	15.39	15.42	16.05	4

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LTE Band 42_Part1								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3457.5	3500	3542.5		
Channel				42165	42590	43015		
15	QPSK	1	0	19.42	19.29	19.29	20.05	0
		1	36	19.34	19.62	19.38	20.05	0
		1	74	19.34	19.51	19.52	20.05	0
		36	0	18.56	18.42	18.63	19.05	1
		36	18	18.50	18.64	18.67	19.05	1
		36	37	18.65	18.42	18.59	19.05	1
		75	0	18.43	18.45	18.35	19.05	1
15	16-QAM	1	0	18.31	18.49	18.62	19.05	1
		1	36	18.65	18.38	18.47	19.05	1
		1	74	18.35	18.43	18.37	19.05	1
		36	0	17.60	17.29	17.56	18.05	2
		36	18	17.57	17.51	17.37	18.05	2
		36	37	17.50	17.61	17.58	18.05	2
		75	0	17.65	17.56	17.29	18.05	2
15	64-QAM	1	0	17.56	17.46	17.53	18.05	2
		1	36	17.45	17.54	17.59	18.05	2
		1	74	17.55	17.45	17.40	18.05	2
		36	0	16.66	16.62	16.68	17.05	3
		36	18	16.59	16.64	16.65	17.05	3
		36	37	16.62	16.65	16.43	17.05	3
		75	0	16.64	16.58	16.52	17.05	3
15	256-QAM	1	0	16.63	16.65	16.58	17.05	3
		1	36	16.44	16.42	16.66	17.05	3
		1	74	16.35	16.58	16.55	17.05	3
		36	0	15.64	15.60	15.35	16.05	4
		36	18	15.34	15.42	15.68	16.05	4
		36	37	15.67	15.60	15.37	16.05	4
		75	0	15.35	15.38	15.64	16.05	4

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LTE Band 42_Part1								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3455	3500	3545		
Channel				42140	42590	43040		
10	QPSK	1	0	19.48	19.62	19.55	20.05	0
		1	25	19.67	19.59	19.57	20.05	0
		1	49	19.47	19.63	19.30	20.05	0
		25	0	18.54	18.55	18.41	19.05	1
		25	12	18.56	18.49	18.30	19.05	1
		25	25	18.34	18.65	18.40	19.05	1
		50	0	18.43	18.60	18.51	19.05	1
10	16-QAM	1	0	18.63	18.49	18.50	19.05	1
		1	25	18.40	18.35	18.30	19.05	1
		1	49	18.46	18.51	18.42	19.05	1
		25	0	17.33	17.54	17.45	18.05	2
		25	12	17.54	17.53	17.56	18.05	2
		25	25	17.64	17.67	17.54	18.05	2
		50	0	17.34	17.39	17.47	18.05	2
10	64-QAM	1	0	17.53	17.57	17.66	18.05	2
		1	25	17.66	17.30	17.31	18.05	2
		1	49	17.52	17.32	17.60	18.05	2
		25	0	16.38	16.63	16.46	17.05	3
		25	12	16.65	16.56	16.35	17.05	3
		25	25	16.29	16.36	16.67	17.05	3
		50	0	16.48	16.45	16.47	17.05	3
10	256-QAM	1	0	16.61	16.34	16.31	17.05	3
		1	25	16.58	16.56	16.47	17.05	3
		1	49	16.68	16.49	16.59	17.05	3
		25	0	15.38	15.58	15.58	16.05	4
		25	12	15.57	15.59	15.35	16.05	4
		25	25	15.33	15.63	15.38	16.05	4
		50	0	15.40	15.37	15.36	16.05	4

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LTE Band 42_Part1								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3452.5	3500	3547.5		
Channel				42115	42590	43065		
5	QPSK	1	0	19.29	19.57	19.54	20.05	0
		1	12	19.52	19.47	19.40	20.05	0
		1	24	19.54	19.46	19.55	20.05	0
		12	0	18.54	18.55	18.51	19.05	1
		12	6	18.54	18.43	18.37	19.05	1
		12	13	18.32	18.54	18.48	19.05	1
		25	0	18.55	18.67	18.35	19.05	1
5	16-QAM	1	0	18.41	18.46	18.36	19.05	1
		1	12	18.58	18.60	18.48	19.05	1
		1	24	18.33	18.38	18.50	19.05	1
		12	0	17.39	17.47	17.40	18.05	2
		12	6	17.58	17.62	17.43	18.05	2
		12	13	17.48	17.45	17.60	18.05	2
		25	0	17.50	17.35	17.36	18.05	2
5	64-QAM	1	0	17.39	17.37	17.36	18.05	2
		1	12	17.40	17.43	17.55	18.05	2
		1	24	17.36	17.66	17.40	18.05	2
		12	0	16.53	16.61	16.47	17.05	3
		12	6	16.59	16.56	16.60	17.05	3
		12	13	16.46	16.35	16.38	17.05	3
		25	0	16.47	16.55	16.62	17.05	3
5	256-QAM	1	0	16.55	16.66	16.53	17.05	3
		1	12	16.51	16.52	16.62	17.05	3
		1	24	16.55	16.61	16.65	17.05	3
		12	0	15.65	15.54	15.33	16.05	4
		12	6	15.65	15.59	15.62	16.05	4
		12	13	15.52	15.64	15.53	16.05	4
		25	0	15.29	15.57	15.34	16.05	4

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LTE Band 42_Part2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560	3575	3590		
Channel				43190	43340	43490		
20	QPSK	1	0	19.32	19.47	19.46	20.05	0
		1	50	19.30	19.29	19.55	20.05	0
		1	99	19.38	19.30	19.68	20.05	0
		50	0	18.61	18.50	18.44	19.05	1
		50	25	18.45	18.49	18.60	19.05	1
		50	50	18.37	18.40	18.54	19.05	1
		100	0	18.45	18.62	18.45	19.05	1
20	16-QAM	1	0	18.52	18.63	18.46	19.05	1
		1	50	18.32	18.46	18.63	19.05	1
		1	99	18.48	18.40	18.50	19.05	1
		50	0	17.45	17.60	17.62	18.05	2
		50	25	17.62	17.68	17.35	18.05	2
		50	50	17.51	17.60	17.45	18.05	2
		100	0	17.34	17.43	17.50	18.05	2
20	64-QAM	1	0	17.49	17.39	17.31	18.05	2
		1	50	17.65	17.50	17.36	18.05	2
		1	99	17.51	17.33	17.36	18.05	2
		50	0	16.31	16.56	16.51	17.05	3
		50	25	16.47	16.62	16.59	17.05	3
		50	50	16.44	16.38	16.35	17.05	3
		100	0	16.54	16.57	16.52	17.05	3
20	256-QAM	1	0	16.43	16.46	16.67	17.05	3
		1	50	16.60	16.59	16.38	17.05	3
		1	99	16.29	16.33	16.56	17.05	3
		50	0	15.67	15.53	15.29	16.05	4
		50	25	15.66	15.65	15.58	16.05	4
		50	50	15.63	15.59	15.42	16.05	4
		100	0	15.30	15.41	15.56	16.05	4

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LTE Band 42_Part2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.5	3575	3592.5		
Channel				43165	43340	43515		
15	QPSK	1	0	19.60	19.43	19.50	20.05	0
		1	36	19.51	19.58	19.57	20.05	0
		1	74	19.30	19.61	19.31	20.05	0
		36	0	18.62	18.41	18.64	19.05	1
		36	18	18.53	18.29	18.67	19.05	1
		36	37	18.29	18.40	18.63	19.05	1
		75	0	18.44	18.38	18.36	19.05	1
15	16-QAM	1	0	18.39	18.66	18.57	19.05	1
		1	36	18.65	18.60	18.60	19.05	1
		1	74	18.68	18.59	18.33	19.05	1
		36	0	17.58	17.49	17.60	18.05	2
		36	18	17.58	17.37	17.61	18.05	2
		36	37	17.64	17.60	17.37	18.05	2
		75	0	17.35	17.40	17.34	18.05	2
15	64-QAM	1	0	17.68	17.60	17.46	18.05	2
		1	36	17.50	17.52	17.65	18.05	2
		1	74	17.50	17.62	17.33	18.05	2
		36	0	16.67	16.66	16.61	17.05	3
		36	18	16.47	16.62	16.42	17.05	3
		36	37	16.29	16.45	16.53	17.05	3
		75	0	16.37	16.33	16.49	17.05	3
15	256-QAM	1	0	16.40	16.30	16.66	17.05	3
		1	36	16.63	16.53	16.65	17.05	3
		1	74	16.29	16.57	16.43	17.05	3
		36	0	15.68	15.48	15.67	16.05	4
		36	18	15.52	15.31	15.44	16.05	4
		36	37	15.44	15.66	15.44	16.05	4
		75	0	15.35	15.39	15.61	16.05	4

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LTE Band 42_Part2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3575	3595		
Channel				43140	43340	43540		
10	QPSK	1	0	19.44	19.33	19.62	20.05	0
		1	25	19.38	19.59	19.36	20.05	0
		1	49	19.30	19.31	19.40	20.05	0
		25	0	18.31	18.42	18.58	19.05	1
		25	12	18.49	18.58	18.29	19.05	1
		25	25	18.60	18.57	18.58	19.05	1
		50	0	18.68	18.29	18.65	19.05	1
10	16-QAM	1	0	18.60	18.59	18.43	19.05	1
		1	25	18.57	18.48	18.38	19.05	1
		1	49	18.34	18.59	18.30	19.05	1
		25	0	17.33	17.45	17.52	18.05	2
		25	12	17.63	17.34	17.37	18.05	2
		25	25	17.40	17.34	17.61	18.05	2
		50	0	17.31	17.55	17.57	18.05	2
10	64-QAM	1	0	17.56	17.60	17.50	18.05	2
		1	25	17.34	17.46	17.54	18.05	2
		1	49	17.35	17.35	17.36	18.05	2
		25	0	16.64	16.38	16.39	17.05	3
		25	12	16.45	16.32	16.56	17.05	3
		25	25	16.39	16.45	16.60	17.05	3
		50	0	16.43	16.45	16.37	17.05	3
10	256-QAM	1	0	16.68	16.33	16.36	17.05	3
		1	25	16.65	16.51	16.44	17.05	3
		1	49	16.56	16.62	16.30	17.05	3
		25	0	15.47	15.57	15.52	16.05	4
		25	12	15.66	15.61	15.62	16.05	4
		25	25	15.45	15.59	15.52	16.05	4
		50	0	15.67	15.42	15.49	16.05	4

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LTE Band 42_Part2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.5	3575	3597.5		
Channel				43115	43340	43565		
5	QPSK	1	0	19.53	19.46	19.43	20.05	0
		1	12	19.36	19.60	19.54	20.05	0
		1	24	19.63	19.54	19.31	20.05	0
		12	0	18.36	18.46	18.45	19.05	1
		12	6	18.61	18.29	18.44	19.05	1
		12	13	18.67	18.47	18.65	19.05	1
		25	0	18.33	18.51	18.31	19.05	1
5	16-QAM	1	0	18.54	18.47	18.67	19.05	1
		1	12	18.33	18.47	18.68	19.05	1
		1	24	18.43	18.58	18.65	19.05	1
		12	0	17.63	17.54	17.34	18.05	2
		12	6	17.45	17.35	17.36	18.05	2
		12	13	17.59	17.41	17.29	18.05	2
		25	0	17.46	17.52	17.66	18.05	2
5	64-QAM	1	0	17.59	17.38	17.43	18.05	2
		1	12	17.41	17.68	17.59	18.05	2
		1	24	17.61	17.49	17.30	18.05	2
		12	0	16.68	16.46	16.51	17.05	3
		12	6	16.61	16.31	16.53	17.05	3
		12	13	16.36	16.33	16.62	17.05	3
		25	0	16.29	16.36	16.58	17.05	3
5	256-QAM	1	0	16.46	16.66	16.46	17.05	3
		1	12	16.47	16.30	16.32	17.05	3
		1	24	16.30	16.46	16.40	17.05	3
		12	0	15.66	15.60	15.64	16.05	4
		12	6	15.53	15.35	15.65	16.05	4
		12	13	15.48	15.58	15.51	16.05	4
		25	0	15.68	15.41	15.61	16.05	4

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560	3609	3641	3690		
Channel				55340	55830	56150	56640		
20	QPSK	1	0	20.29	20.46	20.32	20.19	20.57	0
		1	50	20.28	20.22	20.53	20.41	20.57	0
		1	99	20.39	20.25	20.32	20.31	20.57	0
		50	0	19.37	19.49	19.30	19.40	19.57	1
		50	25	19.31	19.38	19.30	19.28	19.57	1
		50	50	19.18	19.19	19.14	19.33	19.57	1
		100	0	19.51	19.28	19.19	19.41	19.57	1
20	16-QAM	1	0	19.46	19.37	19.25	19.47	19.57	1
		1	50	19.23	19.39	19.28	19.16	19.57	1
		1	99	19.20	19.53	19.40	19.14	19.57	1
		50	0	18.28	18.23	18.37	18.31	18.57	2
		50	25	18.17	18.41	18.31	18.40	18.57	2
		50	50	18.26	18.48	18.18	18.39	18.57	2
		100	0	18.19	18.16	18.28	18.47	18.57	2
20	64-QAM	1	0	18.38	18.32	18.40	18.44	18.57	2
		1	50	18.45	18.40	18.16	18.35	18.57	2
		1	99	18.37	18.20	18.28	18.46	18.57	2
		50	0	17.17	17.27	17.19	17.39	17.57	3
		50	25	17.33	17.47	17.21	17.24	17.57	3
		50	50	17.46	17.44	17.51	17.29	17.57	3
		100	0	17.45	17.21	17.37	17.23	17.57	3
20	256-QAM	1	0	17.44	17.28	17.18	17.49	17.57	3
		1	50	17.52	17.15	17.33	17.21	17.57	3
		1	99	17.45	17.27	17.53	17.21	17.57	3
		50	0	16.30	16.44	16.47	16.15	16.57	4
		50	25	16.20	16.35	16.38	16.31	16.57	4
		50	50	16.53	16.16	16.15	16.33	16.57	4
		100	0	16.29	16.18	16.47	16.42	16.57	4

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
Channel				55315	55820	56160	56665		
15	QPSK	1	0	20.16	20.34	20.42	20.20	20.57	0
		1	36	20.21	20.36	20.28	20.20	20.57	0
		1	74	20.44	20.26	20.29	20.23	20.57	0
		36	0	19.37	19.51	19.14	19.31	19.57	1
		36	18	19.15	19.46	19.23	19.15	19.57	1
		36	37	19.33	19.28	19.31	19.52	19.57	1
		75	0	19.47	19.47	19.26	19.33	19.57	1
15	16-QAM	1	0	19.33	19.14	19.22	19.15	19.57	1
		1	36	19.32	19.29	19.21	19.37	19.57	1
		1	74	19.51	19.52	19.29	19.31	19.57	1
		36	0	18.17	18.41	18.20	18.37	18.57	2
		36	18	18.15	18.44	18.36	18.44	18.57	2
		36	37	18.47	18.29	18.33	18.22	18.57	2
		75	0	18.34	18.14	18.24	18.48	18.57	2
15	64-QAM	1	0	18.16	18.43	18.44	18.22	18.57	2
		1	36	18.47	18.51	18.18	18.51	18.57	2
		1	74	18.50	18.50	18.28	18.50	18.57	2
		36	0	17.39	17.34	17.14	17.48	17.57	3
		36	18	17.20	17.52	17.14	17.51	17.57	3
		36	37	17.15	17.23	17.32	17.23	17.57	3
		75	0	17.44	17.34	17.51	17.33	17.57	3
15	256-QAM	1	0	17.48	17.46	17.18	17.48	17.57	3
		1	36	17.39	17.41	17.49	17.26	17.57	3
		1	74	17.23	17.21	17.28	17.15	17.57	3
		36	0	16.21	16.26	16.53	16.26	16.57	4
		36	18	16.40	16.46	16.35	16.22	16.57	4
		36	37	16.17	16.26	16.32	16.29	16.57	4
		75	0	16.28	16.47	16.28	16.23	16.57	4

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
Channel				55290	55815	56165	56690		
10	QPSK	1	0	20.29	20.40	20.15	20.36	20.57	0
		1	25	20.40	20.17	20.20	20.27	20.57	0
		1	49	20.27	20.37	20.30	20.24	20.57	0
		25	0	19.35	19.53	19.26	19.48	19.57	1
		25	12	19.40	19.50	19.36	19.15	19.57	1
		25	25	19.31	19.42	19.18	19.41	19.57	1
		50	0	19.24	19.52	19.19	19.42	19.57	1
10	16-QAM	1	0	19.35	19.37	19.17	19.38	19.57	1
		1	25	19.31	19.21	19.52	19.35	19.57	1
		1	49	19.53	19.15	19.51	19.19	19.57	1
		25	0	18.20	18.36	18.31	18.21	18.57	2
		25	12	18.45	18.41	18.24	18.43	18.57	2
		25	25	18.36	18.30	18.29	18.39	18.57	2
		50	0	18.34	18.44	18.23	18.52	18.57	2
10	64-QAM	1	0	18.38	18.29	18.44	18.33	18.57	2
		1	25	18.24	18.39	18.24	18.43	18.57	2
		1	49	18.23	18.23	18.50	18.48	18.57	2
		25	0	17.32	17.47	17.52	17.27	17.57	3
		25	12	17.34	17.17	17.39	17.44	17.57	3
		25	25	17.18	17.22	17.50	17.40	17.57	3
		50	0	17.35	17.14	17.43	17.33	17.57	3
10	256-QAM	1	0	17.28	17.15	17.21	17.41	17.57	3
		1	25	17.51	17.29	17.14	17.28	17.57	3
		1	49	17.14	17.53	17.19	17.42	17.57	3
		25	0	16.49	16.33	16.16	16.29	16.57	4
		25	12	16.44	16.52	16.31	16.29	16.57	4
		25	25	16.40	16.33	16.30	16.43	16.57	4
		50	0	16.51	16.47	16.45	16.29	16.57	4

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
Channel				55265	55810	56170	56715		
5	QPSK	1	0	20.43	20.24	20.46	20.22	20.57	0
		1	12	20.36	20.14	20.22	20.23	20.57	0
		1	24	20.51	20.48	20.19	20.46	20.57	0
		12	0	19.39	19.46	19.16	19.25	19.57	1
		12	6	19.30	19.33	19.23	19.51	19.57	1
		12	13	19.18	19.21	19.34	19.43	19.57	1
		25	0	19.41	19.31	19.14	19.14	19.57	1
5	16-QAM	1	0	19.52	19.28	19.42	19.19	19.57	1
		1	12	19.34	19.30	19.43	19.17	19.57	1
		1	24	19.51	19.19	19.36	19.15	19.57	1
		12	0	18.31	18.26	18.53	18.17	18.57	2
		12	6	18.29	18.48	18.23	18.19	18.57	2
		12	13	18.41	18.34	18.20	18.53	18.57	2
		25	0	18.48	18.41	18.46	18.22	18.57	2
5	64-QAM	1	0	18.38	18.37	18.15	18.18	18.57	2
		1	12	18.16	18.23	18.53	18.16	18.57	2
		1	24	18.49	18.40	18.49	18.33	18.57	2
		12	0	17.45	17.46	17.23	17.34	17.57	3
		12	6	17.28	17.30	17.41	17.15	17.57	3
		12	13	17.40	17.42	17.21	17.33	17.57	3
		25	0	17.24	17.27	17.48	17.25	17.57	3
5	256-QAM	1	0	17.15	17.50	17.20	17.42	17.57	3
		1	12	17.16	17.31	17.29	17.39	17.57	3
		1	24	17.43	17.21	17.40	17.38	17.57	3
		12	0	16.41	16.41	16.47	16.15	16.57	4
		12	6	16.22	16.26	16.31	16.32	16.57	4
		12	13	16.42	16.21	16.33	16.15	16.57	4
		25	0	16.16	16.29	16.34	16.21	16.57	4

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5.4 LTE Intra-Band UL CA

CA_7C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset	Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	21350	2560	1	0	20	QPSK	21152	2540.2	1	50	0	22.21	23.44
20	QPSK	20850	2510	1	0	20	QPSK	21048	2529.8	1	0	0	22.04	23.44
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset	Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	21350	2560	1	0	15	QPSK	21179	2542.9	1	36	0	22.09	23.44
20	QPSK	20850	2510	1	0	15	QPSK	21021	2527.1	1	0	0	22.15	23.44
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset	Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	21375	2562.5	1	0	15	QPSK	21225	2547.5	1	36	0	22.13	23.44
Combination 75RB + 50RB (15MHz + 10MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset	Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	21375	2562.5	1	0	10	QPSK	20945	2519.5	1	12	0	21.97	23.44
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset	Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	21350	2560	1	0	10	QPSK	20994	2524.4	1	12	0	22.19	23.44
CA_38C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2580	37850	1	99	20	QPSK	2599.8	38048	1	0	0	22.31	23.08
20	QPSK	2585.1	37901	1	99	20	QPSK	2604.9	38099	1	0	0	21.91	23.08
20	QPSK	2590.2	37952	1	99	20	QPSK	2610	38150	1	0	0	21.84	23.08
CA_38C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2577.5	37825	1	74	15	QPSK	2592.5	37975	1	0	0	22.21	23.08
15	QPSK	2587.5	37925	1	74	15	QPSK	2602.5	38075	1	0	0	22.24	23.08
15	QPSK	2597.5	38025	1	74	15	QPSK	2612.5	38175	1	0	0	21.95	23.08

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CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	20	QPSK	2660.2	41292	1	0	0	22.98	23.49
20	QPSK	2506	39750	1	0	20	QPSK	2525.8	39948	1	99	0	22.60	23.49
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	15	QPSK	2662.9	41319	1	0	0	22.51	23.49
20	QPSK	2506	39750	1	0	15	QPSK	2523.1	39921	1	74	0	22.88	23.49
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2682.5	41515	1	0	15	QPSK	2667.5	41365	1	0	0	22.83	23.49
15	QPSK	2503.5	39725	1	0	15	QPSK	2518.5	39875	1	74	0	22.98	23.49
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	10	QPSK	2665.6	41346	1	0	0	22.54	23.49
20	QPSK	2506	39750	1	0	10	QPSK	2520.4	39894	1	49	0	22.88	23.49
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2682.5	41515	1	0	10	QPSK	2670.5	41395	1	0	0	22.85	23.49
15	QPSK	2503.5	39725	1	0	10	QPSK	2515.5	39845	1	49	0	22.60	23.49
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	5	QPSK	2668.3	41373	1	0	0	22.83	23.49
20	QPSK	2506	39750	1	0	5	QPSK	2517.7	39867	1	24	0	22.60	23.49
CA_42C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset	Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	41690	3410	1	0	20	QPSK	41888	3429.8	1	50	0	19.48	20.05
20	QPSK	43490	3590	1	0	20	QPSK	43292	3570.2	1	0	0	19.54	20.05
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset	Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	41690	3410	1	0	15	QPSK	41861	3427.1	1	36	0	19.53	20.05
20	QPSK	43490	3590	1	0	15	QPSK	43319	3572.9	1	0	0	19.37	20.05
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset	Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	41690	3410	1	0	10	QPSK	41834	3424.4	1	25	0	19.36	20.05
20	QPSK	43490	3590	1	0	10	QPSK	43346	3575.6	1	0	0	19.10	20.05
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset	Bandwidth [MHz]	Modulation	Channel	Frequency [MHz]	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	41690	3410	1	0	5	QPSK	41807	3421.7	1	12	0	19.37	20.05
20	QPSK	43490	3590	1	0	5	QPSK	43373	3578.3	1	0	0	19.48	20.05

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CA 66C														
PCC						Combination 100RB + 100RB (20MHz + 20MHz)						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	1720	132072	1	99	20	QPSK	1739.8	132270	1	0	0	19.46	20.57
20	QPSK	1745.1	132323	1	99	20	QPSK	1764.9	132521	1	0	0	19.62	20.57
20	QPSK	1750.2	132374	1	99	20	QPSK	1770	132572	1	0	0	19.50	20.57

CA 66C														
PCC						Combination 75RB + 100RB (15MHz + 20MHz)						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1717.8	132050	1	74	20	QPSK	1734.9	132221	1	0	0	19.33	20.57
15	QPSK	1745.3	132325	1	74	20	QPSK	1762.4	132496	1	0	0	19.29	20.57
15	QPSK	1752.9	132401	1	74	20	QPSK	1770	132572	1	0	0	19.48	20.57

CA 66C														
PCC						Combination 75RB + 75RB (15MHz + 15MHz)						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1717.5	132047	1	74	15	QPSK	1732.5	132197	1	0	0	19.27	20.57
15	QPSK	1747.5	132347	1	74	15	QPSK	1762.5	132497	1	0	0	19.35	20.57
15	QPSK	1757.5	132447	1	74	15	QPSK	1772.5	132597	1	0	0	19.35	20.57

CA 66C														
PCC						Combination 50RB + 100RB (10MHz + 20MHz)						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	1715.5	132027	1	49	20	QPSK	1729.9	132171	1	0	0	19.31	20.57
10	QPSK	1745.6	132328	1	49	20	QPSK	1760	132472	1	0	0	19.51	20.57
10	QPSK	1755.6	132428	1	49	20	QPSK	1770	132572	1	0	0	19.33	20.57

CA 66C														
PCC						Combination 50RB + 75RB (10MHz + 15MHz)						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	1715.3	132025	1	49	15	QPSK	1727.3	132145	1	0	0	19.31	20.57
10	QPSK	1747.9	132351	1	49	15	QPSK	1759.9	132471	1	0	0	19.33	20.57
10	QPSK	1760.5	132477	1	49	15	QPSK	1772.5	132597	1	0	0	19.46	20.57

CA 66C														
PCC						Combination 100RB + 25RB (20MHz + 5MHz)						UL CA power		
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	1720	132072	1	99	5	QPSK	1731.7	132189	1	0	0	19.35	25.50
20	QPSK	1752.5	132397	1	99	5	QPSK	1764.2	132514	1	0	0	19.34	25.50
20	QPSK	1765	132522	1	99	5	QPSK	1776.7	132639	1	0	0	19.28	25.50

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5.5 FDD NR

5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				372000	376000	380000		
20	Pi/2 BPSK	1	1	21.06	21.15	21.00	22.20	0.0
		1	53	21.05	21.06	21.03	22.20	0.0
		1	104	21.05	21.01	21.02	22.20	0.0
		50	0	20.50	20.64	20.59	21.70	0.5
		50	28	21.15	21.14	21.17	22.20	0.0
		50	56	20.62	20.52	20.59	21.70	0.5
		100	0	20.68	20.60	20.66	21.70	0.5
	QPSK	1	1	21.02	20.99	21.13	22.20	0.0
		1	53	21.01	21.11	21.11	22.20	0.0
		1	104	20.99	20.99	21.13	22.20	0.0
		50	0	20.03	20.07	19.99	21.20	1.0
		50	28	21.03	21.00	21.13	22.20	0.0
		50	56	20.11	20.04	20.18	21.20	1.0
		100	0	20.01	20.17	20.13	21.20	1.0
	16-QAM	1	1	20.06	20.01	20.13	21.20	1.0
	64QAM	1	1	18.54	18.51	18.62	19.70	2.5
	256-QAM	1	1	16.57	16.51	16.53	17.70	4.5
5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				371500	376000	380500		
15	Pi/2 BPSK	1	1	20.57	20.61	20.61	22.20	0.0
5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				371000	376000	381000		
10	Pi/2 BPSK	1	1	20.64	20.62	20.62	22.20	0.0

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5G NR n2_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				370500	376000	381500		
5	Pi/2 BPSK	1	1	20.50	20.57	20.61	22.20	0.0
5G NR n5_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				834	836.5	839		
Channel				166800	167300	167800		
20	Pi/2 BPSK	1	1	23.00	23.16	23.05	24.50	0.0
		1	53	23.16	23.07	23.18	24.50	0.0
		1	104	23.12	23.04	23.12	24.50	0.0
		50	0	22.66	22.55	22.59	24.00	0.5
		50	28	23.10	23.13	23.12	24.50	0.0
		50	56	22.64	22.58	22.50	24.00	0.5
		100	0	22.67	22.58	22.63	24.00	0.5
	QPSK	1	1	23.15	23.04	23.05	24.50	0.0
		1	53	23.09	23.11	23.02	24.50	0.0
		1	104	23.04	23.11	23.04	24.50	0.0
		50	0	22.16	22.15	22.05	23.50	1.0
		50	28	23.08	23.04	23.10	24.50	0.0
		50	56	22.04	22.15	22.09	23.50	1.0
		100	0	21.99	22.11	22.13	23.50	1.0
	16-QAM	1	1	22.15	22.03	22.07	23.50	1.0
	64QAM	1	1	20.60	20.61	20.51	22.00	2.5
	256-QAM	1	1	18.56	18.59	18.62	20.00	4.5
5G NR n5_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				831.5	836.5	841.5		
Channel				166300	167300	168300		
15	Pi/2 BPSK	1	1	23.05	23.08	23.08	24.50	0.0

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5G NR n5_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				829	836.5	844		
Channel				165800	167300	168800		
10	Pi/2 BPSK	1	1	23.15	23.08	23.07	24.50	0.0
5G NR n5_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				826.5	836.5	846.5		
Channel				165300	167300	169300		
5	Pi/2 BPSK	1	1	23.18	23.14	23.00	24.50	0.0
5G NR n7_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				502000	507000	512000		
20	Pi/2 BPSK	1	1	20.34	20.42	20.29	21.18	0.0
		1	53	19.93	20.06	20.14	21.18	0.0
		1	104	19.98	20.05	19.98	21.18	0.0
		50	0	19.44	19.67	19.61	20.68	0.5
		50	28	20.05	20.17	20.11	21.18	0.0
		50	56	19.65	19.60	19.50	20.68	0.5
		100	0	19.70	19.64	19.69	20.68	0.5
	QPSK	1	1	19.92	19.94	20.14	21.18	0.0
		1	53	20.28	20.09	20.14	21.18	0.0
		1	104	20.11	19.97	20.04	21.18	0.0
		50	0	19.06	19.14	19.21	20.18	1.0
		50	28	20.19	20.18	20.01	21.18	0.0
		50	56	18.99	19.29	19.11	20.18	1.0
		100	0	19.12	19.27	19.14	20.18	1.0
	16-QAM	1	1	19.14	19.07	19.29	20.18	1.0
	64QAM	1	1	17.55	17.60	17.80	18.68	2.5
	256-QAM	1	1	15.50	15.52	15.56	16.68	4.5

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5G NR n7_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2507.5	2535	2562.5		
Channel				501500	507000	512500		
15	Pi/2 BPSK	1	1	19.80	19.62	19.68	21.18	0.0
5G NR n7_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2505	2535	2565		
Channel				501000	507000	513000		
10	Pi/2 BPSK	1	1	19.70	19.41	19.47	21.18	0.0
5G NR n7_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2502.5	2535	2567.5		
Channel				500500	507000	513500		
5	Pi/2 BPSK	1	1	19.58	19.44	19.77	21.18	0.0

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5G NR n12_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				706.5	707.5	708.5		
Channel				141300	141500	141700		
15	Pi/2 BPSK	1	1	23.53	23.74	23.69	24.50	0.0
		1	40	23.35	23.52	23.28	24.50	0.0
		1	77	23.44	23.49	23.27	24.50	0.0
		36	0	22.93	22.78	22.87	24.00	0.5
		36	22	23.48	23.30	23.28	24.50	0.0
		36	43	22.80	22.76	22.92	24.00	0.5
		75	0	22.94	23.05	22.85	24.00	0.5
	QPSK	1	1	23.37	23.22	23.35	24.50	0.0
		1	40	23.48	23.29	23.44	24.50	0.0
		1	77	23.34	23.36	23.60	24.50	0.0
		36	0	22.24	22.47	22.53	23.50	1.0
		36	22	23.34	23.57	23.21	24.50	0.0
		36	43	22.43	22.38	22.21	23.50	1.0
		75	0	22.53	22.58	22.41	23.50	1.0
	16-QAM	1	1	22.55	22.36	22.45	23.50	1.0
	64QAM	1	1	20.87	20.90	20.94	22.00	2.5
	256-QAM	1	1	18.92	19.07	19.00	20.00	4.5
5G NR n12_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				704	707.5	711		
Channel				140800	141500	142200		
10	Pi/2 BPSK	1	1	23.50	23.57	23.46	24.50	0.0
5G NR n12_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				701.5	707.5	713.5		
Channel				140300	141500	142700		
5	Pi/2 BPSK	1	1	23.48	23.44	23.54	24.50	0.0

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5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				372000	376500	381000		
20	Pi/2 BPSK	1	1	20.44	20.58	20.54	21.14	0.0
		1	53	20.36	20.23	20.38	21.14	0.0
		1	104	20.18	20.39	20.05	21.14	0.0
		50	0	19.90	19.51	19.76	20.64	0.5
		50	28	20.14	20.38	20.14	21.14	0.0
		50	56	19.63	19.68	19.54	20.64	0.5
		100	0	19.85	19.57	19.63	20.64	0.5
	QPSK	1	1	20.15	20.11	20.33	21.14	0.0
		1	53	20.17	20.03	20.36	21.14	0.0
		1	104	20.14	20.40	20.40	21.14	0.0
		50	0	19.02	19.23	19.23	20.14	1.0
		50	28	20.06	20.17	20.17	21.14	0.0
		50	56	19.14	19.11	19.18	20.14	1.0
		100	0	19.23	19.19	19.17	20.14	1.0
	16-QAM	1	1	19.32	19.33	19.27	20.14	1.0
	64QAM	1	1	17.63	17.52	17.82	18.64	2.5
	256-QAM	1	1	15.87	15.61	15.63	16.64	4.5
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				371500	376500	381500		
15	Pi/2 BPSK	1	1	19.78	19.53	19.63	21.14	0.0
5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1882.5	1910		
Channel				371000	376500	382000		
10	Pi/2 BPSK	1	1	19.51	19.53	19.67	21.14	0.0

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5G NR n25_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
Channel				370500	376500	382500		
5	Pi/2 BPSK	1	1	19.58	19.89	19.76	21.14	0.0
5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1730	1745	1760		
Channel				346000	349000	352000		
40	Pi/2 BPSK	1	1	19.24	19.34	19.36	20.49	0.0
		1	108	19.41	19.52	19.40	20.49	0.0
		1	214	19.35	19.39	19.45	20.49	0.0
		108	0	18.77	18.82	18.94	19.99	0.5
		108	54	19.35	19.27	19.31	20.49	0.0
		108	108	18.88	18.87	18.86	19.99	0.5
		216	0	18.76	18.95	18.91	19.99	0.5
	QPSK	1	1	19.30	19.28	19.24	20.49	0.0
		1	108	19.42	19.49	19.40	20.49	0.0
		1	214	19.22	19.35	19.37	20.49	0.0
		108	0	18.25	18.25	18.24	19.49	1.0
		108	54	19.44	19.37	19.26	20.49	0.0
		108	108	18.30	18.20	18.38	19.49	1.0
		216	0	18.36	18.49	18.33	19.49	1.0
	16-QAM	1	1	18.49	18.51	18.31	19.49	1.0
	64QAM	1	1	16.99	16.87	16.91	17.99	2.5
	256-QAM	1	1	14.92	14.79	14.86	15.99	4.5

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5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				344000	349000	354000		
20	Pi/2 BPSK	1	1	19.40	19.41	19.47	20.49	0.0
		1	53	19.49	19.57	19.50	20.49	0.0
		1	104	19.45	19.51	19.58	20.49	0.0
		50	0	18.94	19.01	19.00	19.99	0.5
		50	28	19.53	19.47	19.43	20.49	0.0
		50	56	19.06	18.93	19.01	19.99	0.5
		100	0	18.91	19.08	19.06	19.99	0.5
	QPSK	1	1	19.41	19.46	19.43	20.49	0.0
		1	53	19.54	19.54	19.55	20.49	0.0
		1	104	19.43	19.45	19.56	20.49	0.0
		50	0	18.41	18.43	18.45	19.49	1.0
		50	28	19.47	19.41	19.45	20.49	0.0
		50	56	18.49	18.39	18.40	19.49	1.0
		100	0	18.40	18.51	18.39	19.49	1.0
	16-QAM	1	1	18.52	18.56	18.46	19.49	1.0
	64QAM	1	1	17.07	16.96	17.06	17.99	2.5
	256-QAM	1	1	15.01	14.91	15.00	15.99	4.5
5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1725	1745	1765		
Channel				345000	349000	353000		
30	Pi/2 BPSK	1	1	19.47	19.39	19.41	20.49	0.0
5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1745	1772.5		
Channel				343500	349000	354500		
15	Pi/2 BPSK	1	1	18.90	18.94	18.89	20.49	0.0

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5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1745	1775		
Channel				343000	349000	355000		
10	Pi/2 BPSK	1	1	19.01	19.01	18.94	20.49	0.0
5G NR n66_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1745	1777.5		
Channel				342500	349000	355500		
5	Pi/2 BPSK	1	1	19.00	18.98	19.02	20.49	0.0
5G NR n71_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	680.5	688		
Channel				134600	136100	137600		
20	Pi/2 BPSK	1	1	23.25	23.37	23.39	24.50	0.0
		1	53	23.25	23.19	23.31	24.50	0.0
		1	104	23.34	23.27	23.33	24.50	0.0
		50	0	22.85	22.70	22.88	24.00	0.5
		50	28	23.24	23.20	23.21	24.50	0.0
		50	56	22.82	22.86	22.81	24.00	0.5
		100	0	22.88	22.82	22.78	24.00	0.5
	QPSK	1	1	23.30	23.36	23.23	24.50	0.0
		1	53	23.24	23.38	23.31	24.50	0.0
		1	104	23.31	23.38	23.23	24.50	0.0
		50	0	22.30	22.25	22.20	23.50	1.0
		50	28	23.34	23.37	23.19	24.50	0.0
		50	56	22.31	22.33	22.36	23.50	1.0
		100	0	22.27	22.26	22.27	23.50	1.0
	16-QAM	1	1	22.25	22.30	22.38	23.50	1.0
	64QAM	1	1	20.76	20.72	20.88	22.00	2.5
	256-QAM	1	1	18.72	18.87	18.85	20.00	4.5

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5G NR n71_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				670.5	680.5	690.5		
Channel				134100	136100	138100		
15	Pi/2 BPSK	1	1	23.19	23.26	23.22	24.50	0.0
5G NR n71_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				668	680.5	693		
Channel				133600	136100	138600		
10	Pi/2 BPSK	1	1	23.24	23.19	23.19	24.50	0.0
5G NR n71_15kHz								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				665.5	680.5	695.5		
Channel				133100	136100	139100		
5	Pi/2 BPSK	1	1	23.34	23.36	23.26	24.50	0.0

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5G NR n77_PC3_30kHz_FCC										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3795	3840	3885	3930	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				650000	653000	656000	659000	662000		
100	Pi/2 BPSK	1	1	16.87	16.82	16.92	16.91	16.89	17.73	0.0
		1	137	16.78	16.67	16.76	16.88	16.63	17.73	0.0
		1	271	16.74	16.67	16.77	16.74	16.78	17.73	0.0
		135	0	16.18	16.08	16.14	16.38	16.33	17.23	0.5
		135	69	16.55	16.73	16.78	16.75	16.86	17.73	0.0
		135	138	16.02	16.01	16.21	16.16	16.19	17.23	0.5
		270	0	16.31	16.28	16.40	16.07	16.11	17.23	0.5
	QPSK	1	1	16.52	16.53	16.90	16.90	16.83	17.73	0.0
		1	137	16.83	16.77	16.89	16.52	16.66	17.73	0.0
		1	271	16.69	16.60	16.83	16.70	16.88	17.73	0.0
		135	0	15.72	15.87	15.78	15.79	15.65	16.73	1.0
		135	69	16.80	16.57	16.86	16.53	16.75	17.73	0.0
		135	138	15.83	15.72	15.77	15.79	15.68	16.73	1.0
		270	0	15.77	15.72	15.82	15.64	15.86	16.73	1.0
	16-QAM	1	1	15.76	15.87	15.67	15.77	15.72	16.73	1.0
	64QAM	1	1	14.15	14.34	14.05	14.18	14.20	15.23	2.5
	256-QAM	1	1	12.30	12.21	12.31	12.17	12.13	13.23	4.5
5G NR n77_PC3_30kHz_FCC										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3935.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649666	652834	656000	659166	662334		
90	Pi/2 BPSK	1	1	16.06	16.10	16.24	16.23	16.29	17.73	0.0
5G NR n77_PC3_30kHz_FCC										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3740.01	3789.99	3840	3890.01	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652666	656000	659334	662666		
80	Pi/2 BPSK	1	1	16.11	16.01	16.09	16.37	16.07	17.73	0.0
5G NR n77_PC3_30kHz_FCC										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3729.99	3785.01	3840	3894.99	3950.01	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648666	652334	656000	659666	663334		
60	Pi/2 BPSK	1	1	16.10	16.19	16.09	16.09	16.13	17.73	0.0

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5G NR n77_PC3_30kHz_FCC										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3725.01	3782.49	3840	3897.51	3954.99		
Channel				648334	652166	656000	659834	663666		
50	Pi/2 BPSK	1	1	16.07	16.38	16.24	16.24	16.27	17.73	0.0
5G NR n77_PC3_30kHz_FCC										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3720	3780	3840	3900	3960		
Channel				648000	652000	656000	660000	664000		
40	Pi/2 BPSK	1	1	16.29	16.16	16.35	16.05	16.33	17.73	0.0
5G NR n77_PC3_30kHz_FCC										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3710.01	3774.99	3840	3903.99	3969.99		
Channel				647334	651666	656000	660266	664666		
20	Pi/2 BPSK	1	1	16.23	16.23	16.06	16.12	16.14	17.73	0.0

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5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					3499.995			
Channel					633333			
100	Pi/2 BPSK	1	1		16.38		17.73	0.0
		1	137		16.22		17.73	0.0
		1	271		16.18		17.73	0.0
		135	0		15.62		17.23	0.5
		135	69		16.31		17.73	0.0
		135	138		15.79		17.23	0.5
		270	0		15.77		17.23	0.5
	QPSK	1	1		16.03		17.73	0.0
		1	137		16.28		17.73	0.0
		1	271		16.19		17.73	0.0
		135	0		15.33		16.73	1.0
		135	69		16.04		17.73	0.0
		135	138		15.35		16.73	1.0
		270	0		15.40		16.73	1.0
	16-QAM	1	1		15.29		16.73	1.0
	64QAM	1	1		13.54		15.23	2.5
	256-QAM	1	1		11.76		13.23	4.5
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3495	3499.995	3504.99		
Channel				633000	633333	633666		
90	Pi/2 BPSK	1	1	16.06	16.32	16.06	17.73	0.0
5G NR n77 & n78_PC3_30kHz_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3490.005	3499.995	3510		
Channel				632667	633333	634000		
80	Pi/2 BPSK	1	1	16.28	16.02	16.02	17.73	0.0

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5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3480	3499.995	3519.99		
Channel				632000	633333	634666		
60	Pi/2 BPSK	1	1	16.35	16.26	16.05	17.73	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3475.005	3499.995	3525		
Channel				631667	633333	635000		
50	Pi/2 BPSK	1	1	16.03	16.14	16.17	17.73	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3470.01	3499.995	3529.995		
Channel				631334	633333	635333		
40	Pi/2 BPSK	1	1	16.16	16.16	16.12	17.73	0.0

5G NR n77 & n78_PC3_30kHz_FCC

BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3460.005	3499.995	3540		
Channel				630667	633333	636000		
20	Pi/2 BPSK	1	1	16.28	16.11	16.05	17.73	0.0

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6 SUMMARY OF RESULTS

6.1 Decision rules

Reported measurement data comply with Test Methodology in section 1.1.

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

6.2 Summary of SAR Results

Band	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
								Measured	Reported	
WCDMA Band II	Front Surface	5	9262	1852.4	22.1	20.97	128.82%	0.823	1.060	-
WCDMA Band II	Front Surface	5	9400	1880	22.1	20.98	128.53%	0.875	1.125	001
WCDMA Band II	Front Surface	5	9538	1907.6	22.1	20.99	128.23%	0.802	1.028	-
WCDMA Band II	Back Surface	5	9538	1907.6	22.1	20.99	128.23%	0.255	0.327	-
WCDMA Band II	Top Edge	5	9538	1907.6	22.1	20.99	128.23%	0.273	0.350	-
WCDMA Band II	Right Edge	5	9538	1907.6	22.1	20.99	128.23%	0.134	0.172	-
WCDMA Band II	Left Edge	5	9538	1907.6	22.1	20.99	128.23%	0.284	0.364	-
WCDMA Band IV	Front Surface	5	1312	1712.4	21.4	20.04	136.46%	0.836	1.141	-
WCDMA Band IV	Front Surface	5	1412	1732.4	21.4	20.08	135.21%	0.808	1.092	-
WCDMA Band IV	Front Surface	5	1513	1752.6	21.4	20.02	137.09%	0.873	1.197	002
WCDMA Band IV	Back Surface	5	1412	1732.4	21.4	20.08	135.21%	0.228	0.308	-
WCDMA Band IV	Top Edge	5	1412	1732.4	21.4	20.08	135.21%	0.226	0.306	-
WCDMA Band IV	Right Edge	5	1412	1732.4	21.4	20.08	135.21%	0.107	0.145	-
WCDMA Band IV	Left Edge	5	1412	1732.4	21.4	20.08	135.21%	0.241	0.326	-
WCDMA Band V	Front Surface	5	4183	836.6	24.5	23.57	123.88%	0.616	0.763	-
WCDMA Band V	Back Surface	5	4183	836.6	24.5	23.57	123.88%	0.568	0.704	-
WCDMA Band V	Top Edge	5	4183	836.6	24.5	23.57	123.88%	0.083	0.103	-
WCDMA Band V	Right Edge	5	4132	826.4	24.5	23.51	125.60%	0.689	0.865	-
WCDMA Band V	Right Edge	5	4183	836.6	24.5	23.57	123.88%	0.723	0.896	003
WCDMA Band V	Right Edge	5	4233	846.6	24.5	23.54	124.74%	0.647	0.807	-
WCDMA Band V	Left Edge	5	4183	836.6	24.5	23.57	123.88%	0.612	0.758	-

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Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1	50	Front Surface	5	18700	1860	22.48	21.45	126.77%	0.821	1.041	-
LTE Band 2			1	0	Front Surface	5	18900	1880	22.48	21.46	126.47%	0.862	1.090	004
LTE Band 2			1	50	Front Surface	5	19100	1900	22.48	21.50	125.31%	0.841	1.054	-
LTE Band 2			50	0	Front Surface	5	18700	1860	21.48	20.34	130.02%	0.623	0.810	-
LTE Band 2			50	0	Front Surface	5	18900	1860	21.48	20.45	126.77%	0.662	0.839	-
LTE Band 2			50	0	Front Surface	5	19100	1860	21.48	20.42	127.64%	0.647	0.826	-
LTE Band 2			100RB		Front Surface	5	18900	1880	21.48	20.36	129.42%	0.642	0.831	-
LTE Band 2			1	50	Back Surface	5	19100	1900	22.48	21.50	125.31%	0.311	0.390	-
LTE Band 2			50	0	Back Surface	5	18900	1860	21.48	20.45	126.77%	0.243	0.308	-
LTE Band 2			1	50	Top Edge	5	19100	1900	22.48	21.50	125.31%	0.302	0.378	-
LTE Band 2			50	0	Top Edge	5	18900	1860	21.48	20.45	126.77%	0.227	0.288	-
LTE Band 2			1	50	Right Edge	5	19100	1900	22.48	21.50	125.31%	0.141	0.177	-
LTE Band 2			50	0	Right Edge	5	18900	1860	21.48	20.45	126.77%	0.102	0.129	-
LTE Band 2			1	50	Left Edge	5	19100	1900	22.48	21.50	125.31%	0.322	0.404	-
LTE Band 2			50	0	Left Edge	5	18900	1860	21.48	20.45	126.77%	0.254	0.322	-
LTE Band 4	20MHz	QPSK	1	99	Front Surface	5	20050	1720	21.56	20.22	136.14%	0.852	1.160	005
LTE Band 4			1	99	Front Surface	5	20175	1732.5	21.56	20.07	140.93%	0.816	1.150	-
LTE Band 4			1	0	Front Surface	5	20300	1745	21.56	20.17	137.72%	0.815	1.122	-
LTE Band 4			50	50	Front Surface	5	20050	1720	20.56	19.14	138.68%	0.711	0.986	-
LTE Band 4			50	50	Front Surface	5	20175	1732.5	20.56	19.25	135.21%	0.685	0.926	-
LTE Band 4			50	0	Front Surface	5	20300	1745	20.56	19.17	137.72%	0.674	0.928	-
LTE Band 4			100RB		Front Surface	5	20175	1732.5	20.56	19.24	135.52%	0.656	0.889	-
LTE Band 4			1	99	Back Surface	5	20050	1720	21.56	20.22	136.14%	0.254	0.346	-
LTE Band 4			50	50	Back Surface	5	20175	1732.5	20.56	19.25	135.21%	0.221	0.299	-
LTE Band 4			1	99	Top Edge	5	20050	1720	21.56	20.22	136.14%	0.298	0.406	-
LTE Band 4			50	50	Top Edge	5	20175	1732.5	20.56	19.25	135.21%	0.265	0.358	-
LTE Band 4			1	99	Right Edge	5	20050	1720	21.56	20.22	136.14%	0.129	0.176	-
LTE Band 4			50	50	Right Edge	5	20175	1732.5	20.56	19.25	135.21%	0.106	0.143	-
LTE Band 4			1	99	Left Edge	5	20050	1720	21.56	20.22	136.14%	0.254	0.346	-
LTE Band 4			50	50	Left Edge	5	20175	1732.5	20.56	19.25	135.21%	0.220	0.297	-
LTE Band 5	10MHz	QPSK	1	25	Front Surface	5	20600	844	24.00	23.37	115.61%	0.612	0.708	-
LTE Band 5			25	25	Front Surface	5	20525	836.5	23.00	22.33	116.68%	0.456	0.532	-
LTE Band 5			1	25	Back Surface	5	20600	844	24.00	23.37	115.61%	0.532	0.615	-
LTE Band 5			25	25	Back Surface	5	20525	836.5	23.00	22.33	116.68%	0.412	0.481	-
LTE Band 5			1	25	Top Edge	5	20600	844	24.00	23.37	115.61%	0.067	0.077	-
LTE Band 5			25	25	Top Edge	5	20525	836.5	23.00	22.33	116.68%	0.055	0.064	-
LTE Band 5			1	0	Right Edge	5	20450	829	24.00	23.30	117.49%	0.673	0.791	-
LTE Band 5			1	0	Right Edge	5	20525	836.5	24.00	23.17	121.06%	0.732	0.886	006
LTE Band 5			1	25	Right Edge	5	20600	844	24.00	23.37	115.61%	0.712	0.823	-
LTE Band 5			25	25	Right Edge	5	20525	836.5	23.00	22.33	116.68%	0.582	0.679	-
LTE Band 5			50RB		Right Edge	5	20600	844	23.00	22.30	117.49%	0.568	0.667	-
LTE Band 5			1	25	Left Edge	5	20600	844	24.00	23.37	115.61%	0.442	0.511	-
LTE Band 5			25	25	Left Edge	5	20525	836.5	23.00	22.33	116.68%	0.354	0.413	-
LTE Band 7	20MHz	QPSK	1	0	Front Surface	5	20850	2510	23.44	22.46	125.31%	0.722	0.905	-
LTE Band 7			1	99	Front Surface	5	21100	2535	23.44	22.15	134.59%	0.700	0.942	-
LTE Band 7			1	0	Front Surface	5	21350	2560	23.44	22.42	126.47%	0.825	1.043	007
LTE Band 7			50	0	Front Surface	5	20850	2510	22.44	21.39	127.35%	0.610	0.777	-
LTE Band 7			50	0	Front Surface	5	21100	2535	22.44	21.34	128.82%	0.622	0.801	-
LTE Band 7			50	50	Front Surface	5	21350	2560	22.44	21.43	126.18%	0.687	0.867	-
LTE Band 7			100RB		Front Surface	5	20850	2510	22.44	21.43	126.18%	0.589	0.743	-
LTE Band 7			1	0	Back Surface	5	20850	2510	23.44	22.46	125.31%	0.325	0.407	-
LTE Band 7			50	50	Back Surface	5	21350	2560	22.44	21.43	126.18%	0.259	0.327	-
LTE Band 7			1	0	Top Edge	5	20850	2510	23.44	22.46	125.31%	0.298	0.373	-
LTE Band 7			50	50	Top Edge	5	21350	2560	22.44	21.43	126.18%	0.232	0.293	-
LTE Band 7			1	0	Right Edge	5	20850	2510	23.44	22.46	125.31%	0.231	0.289	-
LTE Band 7			50	50	Right Edge	5	21350	2560	22.44	21.43	126.18%	0.167	0.211	-
LTE Band 7			1	0	Left Edge	5	20850	2510	23.44	22.46	125.31%	0.344	0.431	-
LTE Band 7			50	50	Left Edge	5	21350	2560	22.44	21.43	126.18%	0.248	0.313	-
7C			1	0	Front Surface	5	21350	2560	23.44	22.21	132.74%	0.748	0.993	-

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LTE Band 12	10MHz	QPSK	1	49	Front Surface	5	23130	711	24.00	23.26	118.58%	0.589	0.698	-
LTE Band 12			25	12	Front Surface	5	23095	707.5	23.00	22.29	117.76%	0.437	0.515	-
LTE Band 12			1	49	Back Surface	5	23130	711	24.00	23.26	118.58%	0.610	0.723	-
LTE Band 12			25	12	Back Surface	5	23095	707.5	23.00	22.29	117.76%	0.452	0.532	-
LTE Band 12			1	49	Top Edge	5	23130	711	24.00	23.26	118.58%	0.069	0.082	-
LTE Band 12			25	12	Top Edge	5	23095	707.5	23.00	22.29	117.76%	0.055	0.065	-
LTE Band 12			1	49	Right Edge	5	23060	704	24.00	23.19	120.50%	0.692	0.834	-
LTE Band 12			1	0	Right Edge	5	23095	707.5	24.00	23.24	119.12%	0.655	0.780	-
LTE Band 12			1	49	Right Edge	5	23130	711	24.00	23.26	118.58%	0.698	0.828	008
LTE Band 12			25	12	Right Edge	5	23095	707.5	23.00	22.29	117.76%	0.478	0.563	-
LTE Band 12			50RB		Right Edge	5	23095	707.5	23.00	22.28	118.03%	0.485	0.572	-
LTE Band 12			1	49	Left Edge	5	23130	711	24.00	23.26	118.58%	0.494	0.586	-
LTE Band 12			25	12	Left Edge	5	23095	707.5	23.00	22.29	117.76%	0.368	0.433	-
LTE Band 13	10MHz	QPSK	1	25	Front Surface	5	23230	782	24.00	23.35	116.14%	0.254	0.295	-
LTE Band 13			25	0	Front Surface	5	23230	782	23.00	22.35	116.14%	0.180	0.209	-
LTE Band 13			1	25	Back Surface	5	23230	782	24.00	23.35	116.14%	0.412	0.479	-
LTE Band 13			25	0	Back Surface	5	23230	782	23.00	22.35	116.14%	0.292	0.339	-
LTE Band 13			1	25	Top Edge	5	23230	782	24.00	23.35	116.14%	0.046	0.053	-
LTE Band 13			25	0	Top Edge	5	23230	782	23.00	22.35	116.14%	0.032	0.037	-
LTE Band 13			1	25	Right Edge	5	23230	782	24.00	23.35	116.14%	0.550	0.639	009
LTE Band 13			25	0	Right Edge	5	23230	782	23.00	22.35	116.14%	0.409	0.475	-
LTE Band 13			1	25	Left Edge	5	23230	782	24.00	23.35	116.14%	0.376	0.437	-
LTE Band 13			25	0	Left Edge	5	23230	782	23.00	22.35	116.14%	0.280	0.325	-
LTE Band 14	10MHz	QPSK	1	49	Front Surface	5	23330	793	24.00	23.23	119.40%	0.304	0.363	-
LTE Band 14			25	25	Front Surface	5	23330	793	23.00	22.28	118.03%	0.221	0.261	-
LTE Band 14			1	49	Back Surface	5	23330	793	24.00	23.23	119.40%	0.520	0.621	-
LTE Band 14			25	25	Back Surface	5	23330	793	23.00	22.28	118.03%	0.379	0.447	-
LTE Band 14			1	49	Top Edge	5	23330	793	24.00	23.23	119.40%	0.040	0.048	-
LTE Band 14			25	25	Top Edge	5	23330	793	23.00	22.28	118.03%	0.025	0.030	-
LTE Band 14			1	49	Right Edge	5	23330	793	24.00	23.23	119.40%	0.634	0.757	010
LTE Band 14			25	25	Right Edge	5	23330	793	23.00	22.28	118.03%	0.456	0.538	-
LTE Band 14			1	49	Left Edge	5	23330	793	24.00	23.23	119.40%	0.435	0.519	-
LTE Band 14			25	25	Left Edge	5	23330	793	23.00	22.28	118.03%	0.311	0.367	-
LTE Band 17	10MHz	QPSK	1	49	Front Surface	5	23780	709	24.00	23.27	118.30%	0.609	0.720	-
LTE Band 17			25	0	Front Surface	5	23800	711	23.00	22.27	118.30%	0.450	0.532	-
LTE Band 17			1	49	Back Surface	5	23780	709	24.00	23.27	118.30%	0.469	0.555	-
LTE Band 17			25	0	Back Surface	5	23800	711	23.00	22.27	118.30%	0.344	0.407	-
LTE Band 17			1	49	Top Edge	5	23780	709	24.00	23.27	118.30%	0.071	0.084	-
LTE Band 17			25	0	Top Edge	5	23800	711	23.00	22.27	118.30%	0.056	0.066	-
LTE Band 17			1	49	Right Edge	5	23780	709	24.00	23.27	118.30%	0.672	0.795	011
LTE Band 17			25	0	Right Edge	5	23800	711	23.00	22.27	118.30%	0.499	0.590	-
LTE Band 17			1	49	Left Edge	5	23780	709	24.00	23.27	118.30%	0.519	0.614	-
LTE Band 17			25	0	Left Edge	5	23800	711	23.00	22.27	118.30%	0.373	0.441	-
LTE Band 25	20MHz	QPSK	1	0	Front Surface	5	26140	1860	22.87	21.76	129.12%	0.878	1.134	012
LTE Band 25			1	0	Front Surface	5	26365	1882.5	22.87	21.73	130.02%	0.833	1.083	-
LTE Band 25			1	0	Front Surface	5	26590	1905	22.87	21.87	125.89%	0.856	1.078	-
LTE Band 25			50	0	Front Surface	5	26365	1882.5	21.87	20.79	128.23%	0.612	0.785	-
LTE Band 25			100RB		Front Surface	5	26140	1860	21.87	20.79	128.23%	0.603	0.773	-
LTE Band 25			1	0	Back Surface	5	26590	1905	22.87	21.87	125.89%	0.361	0.454	-
LTE Band 25			50	0	Back Surface	5	26365	1882.5	21.87	20.79	128.23%	0.256	0.328	-
LTE Band 25			1	0	Top Edge	5	26590	1905	22.87	21.87	125.89%	0.380	0.478	-
LTE Band 25			50	0	Top Edge	5	26365	1882.5	21.87	20.79	128.23%	0.277	0.355	-
LTE Band 25			1	0	Right Edge	5	26590	1905	22.87	21.87	125.89%	0.172	0.217	-
LTE Band 25			50	0	Right Edge	5	26365	1882.5	21.87	20.79	128.23%	0.127	0.163	-
LTE Band 25			1	0	Left Edge	5	26590	1905	22.87	21.87	125.89%	0.387	0.487	-
LTE Band 25			50	0	Left Edge	5	26365	1882.5	21.87	20.79	128.23%	0.278	0.356	-
LTE Band 26_FCC	15MHz	QPSK	1	74	Front Surface	5	26765	821.5	24.00	23.24	119.12%	0.601	0.716	-
LTE Band 26_FCC			36	37	Front Surface	5	26865	831.5	23.00	22.15	121.62%	0.442	0.538	-
LTE Band 26_FCC			1	74	Back Surface	5	26765	821.5	24.00	23.24	119.12%	0.543	0.647	-
LTE Band 26_FCC			36	37	Back Surface	5	26865	831.5	23.00	22.15	121.62%	0.402	0.489	-
LTE Band 26_FCC			1	74	Top Edge	5	26765	821.5	24.00	23.24	119.12%	0.080	0.095	-
LTE Band 26_FCC			36	37	Top Edge	5	26865	831.5	23.00	22.15	121.62%	0.062	0.075	-
LTE Band 26_FCC			1	74	Right Edge	5	26765	821.5	24.00	23.24	119.12%	0.665	0.792	013
LTE Band 26_FCC			36	37	Right Edge	5	26865	831.5	23.00	22.15	121.62%	0.482	0.586	-
LTE Band 26_FCC			1	74	Left Edge	5	26765	821.5	24.00	23.24	119.12%	0.387	0.461	-
LTE Band 26_FCC			36	37	Left Edge	5	26865	831.5	23.00	22.15	121.62%	0.299	0.364	-

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LTE Band 66	20MHz	QPSK	1	99	Front Surface	5	132072	1720	20.57	19.84	118.30%	0.921	1.090	-
LTE Band 66			1	99	Front Surface	5	132322	1745	20.57	19.97	114.82%	0.952	1.093	014
LTE Band 66			1	0	Front Surface	5	132572	1770	20.57	19.90	116.68%	0.908	1.059	-
LTE Band 66			50	0	Front Surface	5	132072	1720	19.57	18.76	120.50%	0.721	0.869	-
LTE Band 66			50	25	Front Surface	5	132322	1745	19.57	18.89	116.95%	0.756	0.884	-
LTE Band 66			50	50	Front Surface	5	132572	1770	19.57	18.86	117.76%	0.734	0.864	-
LTE Band 66			100RB		Front Surface	5	132072	1720	19.57	18.91	116.41%	0.711	0.828	-
LTE Band 66			1	99	Back Surface	5	132322	1745	20.57	19.97	114.82%	0.221	0.254	-
LTE Band 66			50	25	Back Surface	5	132322	1745	19.57	18.89	116.95%	0.156	0.182	-
LTE Band 66			1	99	Top Edge	5	132322	1745	20.57	19.97	114.82%	0.235	0.270	-
LTE Band 66			50	25	Top Edge	5	132322	1745	19.57	18.89	116.95%	0.172	0.201	-
LTE Band 66			1	99	Right Edge	5	132322	1745	20.57	19.97	114.82%	0.073	0.084	-
LTE Band 66			50	25	Right Edge	5	132322	1745	19.57	18.89	116.95%	0.058	0.068	-
LTE Band 66			1	99	Left Edge	5	132322	1745	20.57	19.97	114.82%	0.212	0.243	-
LTE Band 66			50	25	Left Edge	5	132322	1745	19.57	18.89	116.95%	0.145	0.170	-
LTE Band 66			1	99	Front Surface*	5	132322	1745	20.57	19.97	114.82%	0.922	1.059	-
66C			1	99	Front Surface	5	132323	1745.1	20.57	19.62	124.45%	0.811	1.009	-
LTE Band 71	20MHz	QPSK	1	99	Front Surface	5	133222	673	24.00	22.79	132.13%	0.477	0.630	-
LTE Band 71			50	0	Front Surface	5	133222	673	23.00	21.77	132.74%	0.351	0.466	-
LTE Band 71			1	99	Back Surface	5	133222	673	24.00	22.79	132.13%	0.531	0.702	-
LTE Band 71			50	0	Back Surface	5	133222	673	23.00	21.77	132.74%	0.366	0.486	-
LTE Band 71			1	99	Top Edge	5	133222	673	24.00	22.79	132.13%	0.053	0.070	-
LTE Band 71			50	0	Top Edge	5	133222	673	23.00	21.77	132.74%	0.037	0.049	-
LTE Band 71			1	99	Right Edge	5	133222	673	24.00	22.79	132.13%	0.688	0.909	015
LTE Band 71			1	50	Right Edge	5	133297	680.5	24.00	22.72	134.28%	0.622	0.835	-
LTE Band 71			1	99	Right Edge	5	133372	688	24.00	22.61	137.72%	0.650	0.895	-
LTE Band 71			50	0	Right Edge	5	133222	673	23.00	21.77	132.74%	0.510	0.677	-
LTE Band 71			100RB		Right Edge	5	133372	688	23.00	21.73	133.97%	0.489	0.655	-
LTE Band 71			1	99	Left Edge	5	133222	673	24.00	22.79	132.13%	0.510	0.674	-
LTE Band 71			50	0	Left Edge	5	133222	673	23.00	21.77	132.74%	0.367	0.487	-
LTE Band 38	20MHz	QPSK	1	99	Front Surface	5	37850	2580	23.08	22.69	109.40%	0.621	0.679	-
LTE Band 38			1	99	Front Surface	5	38000	2595	23.08	22.83	105.93%	0.921	0.976	016
LTE Band 38			1	99	Front Surface	5	38150	2610	23.08	22.78	107.15%	0.533	0.571	-
LTE Band 38			50	50	Front Surface	5	37850	2580	22.08	21.63	110.92%	0.428	0.475	-
LTE Band 38			50	0	Front Surface	5	38000	2595	22.08	21.71	108.89%	0.675	0.735	-
LTE Band 38			50	25	Front Surface	5	38150	2610	22.08	21.67	109.90%	0.392	0.431	-
LTE Band 38			100RB		Front Surface	5	37850	2580	22.08	21.56	112.72%	0.410	0.462	-
LTE Band 38			1	99	Back Surface	5	38000	2595	23.08	22.83	105.93%	0.281	0.298	-
LTE Band 38			50	0	Back Surface	5	38000	2595	22.08	21.71	108.89%	0.211	0.230	-
LTE Band 38			1	99	Top Edge	5	38000	2595	23.08	22.83	105.93%	0.377	0.399	-
LTE Band 38			50	0	Top Edge	5	38000	2595	22.08	21.71	108.89%	0.283	0.308	-
LTE Band 38			1	99	Right Edge	5	38000	2595	23.08	22.83	105.93%	0.162	0.172	-
LTE Band 38			50	0	Right Edge	5	38000	2595	22.08	21.71	108.89%	0.112	0.122	-
LTE Band 38			1	99	Left Edge	5	38000	2595	23.08	22.83	105.93%	0.421	0.446	-
LTE Band 38			50	0	Left Edge	5	38000	2595	22.08	21.71	108.89%	0.339	0.369	-
LTE Band 38			1	99	Front Surface*	5	38000	2595	23.08	22.83	105.93%	0.910	0.964	-
38C			1	99	Front Surface	5	37850	2580	23.08	22.31	119.40%	0.784	0.936	-
LTE Band 41_PC3	20MHz	QPSK	1	0	Front Surface	5	39750	2506	23.49	23.33	103.75%	0.876	0.909	017
LTE Band 41_PC3			1	0	Front Surface	5	40185	2549.5	23.49	23.48	100.23%	0.850	0.852	-
LTE Band 41_PC3			1	99	Front Surface	5	40620	2593	23.49	23.44	101.16%	0.846	0.856	-
LTE Band 41_PC3			1	99	Front Surface	5	41055	2636.5	23.49	23.40	102.09%	0.822	0.839	-
LTE Band 41_PC3			1	0	Front Surface	5	41490	2680	23.49	23.13	108.64%	0.782	0.850	-
LTE Band 41_PC3			50	50	Front Surface	5	39750	2506	22.49	22.43	101.39%	0.657	0.666	-
LTE Band 41_PC3			50	50	Front Surface	5	40185	2549.5	22.49	22.32	103.99%	0.623	0.648	-
LTE Band 41_PC3			50	25	Front Surface	5	40620	2593	22.49	22.47	100.46%	0.674	0.677	-
LTE Band 41_PC3			50	0	Front Surface	5	41055	2636.5	22.49	22.33	103.75%	0.621	0.644	-
LTE Band 41_PC3			50	25	Front Surface	5	41490	2680	22.49	22.25	105.68%	0.682	0.721	-
LTE Band 41_PC3			100RB		Front Surface	5	40185	2549.5	22.49	22.44	101.16%	0.589	0.596	-
LTE Band 41_PC3			1	0	Back Surface	5	40185	2549.5	23.49	23.48	100.23%	0.450	0.451	-
LTE Band 41_PC3			50	25	Back Surface	5	40620	2593	22.49	22.47	100.46%	0.462	0.464	-
LTE Band 41_PC3			1	0	Top Edge	5	40185	2549.5	23.49	23.48	100.23%	0.398	0.399	-
LTE Band 41_PC3			50	25	Top Edge	5	40620	2593	22.49	22.47	100.46%	0.307	0.308	-
LTE Band 41_PC3			1	0	Right Edge	5	40185	2549.5	23.49	23.48	100.23%	0.236	0.237	-
LTE Band 41_PC3	20MHz	QPSK	50	25	Right Edge	5	40620	2593	22.49	22.47	100.46%	0.160	0.161	-
LTE Band 41_PC3			1	0	Left Edge	5	40185	2549.5	23.49	23.48	100.23%	0.542	0.543	-
LTE Band 41_PC3			50	25	Left Edge	5	40620	2593	22.49	22.47	100.46%	0.407	0.409	-
41C			1	0	Front Surface	5	41490	2680	23.49	22.98	112.46%	0.765	0.860	-
LTE Band 41_PC2	20MHz	QPSK	1	0	Front Surface	5	39750	2506	23.16	22.83	107.89%	0.820	0.885	018
LTE Band 41_PC2			1	50	Front Surface	5	40185	2549.5	23.16	22.98	104.23%	0.812	0.846	-
LTE Band 41_PC2			1	99	Front Surface	5	40620	2593	23.16	22.84	107.65%	0.764	0.822	-
LTE Band 41_PC2			1	99	Front Surface	5	41055	2636.5	23.16	22.85	107.40%	0.790	0.848	-
LTE Band 41_PC2			1	99	Front Surface	5	41490	2680	23.16	22.97	104.47%	0.756	0.790	-
LTE Band 41_PC2			50	25	Front Surface	5	41490	2680	22.16	21.95	104.95%	0.578	0.607	-
LTE Band 41_PC2			100RB		Front Surface	5	41055	2636.5	22.16	21.97	104.47%	0.561	0.586	-
LTE Band 41_PC2			1	50	Back Surface	5	40185	2549.5	23.16	22.98	104.23%	0.240	0.250	-
LTE Band 41_PC2			50	25	Back Surface	5	41490	2680	22.16	21.95	104.95%	0.190	0.199	-
LTE Band 41_PC2			1	50	Top Edge	5	40185	2549.5	23.16	22.98	104.23%	0.319	0.332	-
LTE Band 41_PC2			50	25	Top Edge	5	41490	2680	22.16	21.95	104.95%	0.216	0.227	-
LTE Band 41_PC2			1	50	Right Edge	5	40185	2549.5	23.16	22.98	104.23%	0.235	0.245	-
LTE Band 41_PC2			50	25	Right Edge	5	41490	2680	22.16	21.95	104.95%	0.162	0.170	-
LTE Band 41_PC2			1	50	Left Edge	5	40185	2549.5	23.16	22.98	104.23%	0.462	0.482	-
LTE Band 41_PC2			50	25	Left Edge	5	41490	2680	22.16	21.95	104.95%	0.323	0.339	-

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LTE Band 42_Part1	20MHz	QPSK	1	99	Front Surface	5	41690	3410	20.05	19.76	106.91%	0.856	0.915	-
LTE Band 42_Part1			1	99	Front Surface	5	42590	3500	20.05	19.66	109.40%	0.812	0.888	-
LTE Band 42_Part1			1	50	Front Surface	5	43490	3590	20.05	19.68	108.89%	0.860	0.936	019
LTE Band 42_Part1			50	50	Front Surface	5	43490	3590	19.05	18.65	109.65%	0.611	0.670	-
LTE Band 42_Part1			100RB		Front Surface	5	42190	3460	19.05	18.54	112.46%	0.589	0.662	-
LTE Band 42_Part1			1	99	Back Surface	5	41690	3410	20.05	19.76	106.91%	0.256	0.274	-
LTE Band 42_Part1			50	50	Back Surface	5	43490	3590	19.05	18.65	109.65%	0.178	0.195	-
LTE Band 42_Part1			1	99	Top Edge	5	41690	3410	20.05	19.76	106.91%	0.211	0.226	-
LTE Band 42_Part1			50	50	Top Edge	5	43490	3590	19.05	18.65	109.65%	0.150	0.164	-
LTE Band 42_Part1			1	99	Right Edge	5	41690	3410	20.05	19.76	106.91%	0.209	0.223	-
LTE Band 42_Part1			50	50	Right Edge	5	43490	3590	19.05	18.65	109.65%	0.146	0.160	-
LTE Band 42_Part1			1	99	Left Edge	5	41690	3410	20.05	19.76	106.91%	0.267	0.285	-
LTE Band 42_Part1			50	50	Left Edge	5	43490	3590	19.05	18.65	109.65%	0.189	0.207	-
LTE Band 42_Part1			1	50	Front Surface*	5	43490	3590	20.05	19.68	108.89%	0.832	0.906	-
LTE Band 42_Part2	20MHz	QPSK	1	99	Front Surface	5	41690	3410	20.05	19.38	116.68%	0.864	1.008	-
LTE Band 42_Part2			1	0	Front Surface	5	42590	3500	20.05	19.47	114.29%	0.882	1.008	-
LTE Band 42_Part2			1	99	Front Surface	5	43490	3590	20.05	19.68	108.89%	0.954	1.039	020
LTE Band 42_Part2			50	0	Front Surface	5	41690	3410	19.05	18.61	110.66%	0.710	0.786	-
LTE Band 42_Part2			50	0	Front Surface	5	42590	3500	19.05	18.50	113.50%	0.714	0.810	-
LTE Band 42_Part2			50	25	Front Surface	5	43490	3590	19.05	18.60	110.92%	0.753	0.835	-
LTE Band 42_Part2			100RB		Front Surface	5	43340	3575	19.05	18.62	110.41%	0.712	0.786	-
LTE Band 42_Part2			1	99	Back Surface	5	43490	3590	20.05	19.68	108.89%	0.265	0.289	-
LTE Band 42_Part2			50	0	Back Surface	5	41690	3410	19.05	18.61	110.66%	0.178	0.197	-
LTE Band 42_Part2			1	99	Top Edge	5	43490	3590	20.05	19.68	108.89%	0.229	0.249	-
LTE Band 42_Part2			50	0	Top Edge	5	41690	3410	19.05	18.61	110.66%	0.167	0.185	-
LTE Band 42_Part2			1	99	Right Edge	5	43490	3590	20.05	19.68	108.89%	0.256	0.279	-
LTE Band 42_Part2			50	0	Right Edge	5	41690	3410	19.05	18.61	110.66%	0.167	0.185	-
LTE Band 42_Part2			1	99	Left Edge	5	43490	3590	20.05	19.68	108.89%	0.288	0.314	-
LTE Band 42_Part2			50	0	Left Edge	5	41690	3410	19.05	18.61	110.66%	0.214	0.237	-
42C			1	0	Front Surface	5	43490	3590	20.05	19.54	112.46%	0.892	1.003	-
LTE Band 48	20MHz	QPSK	1	99	Front Surface	5	55340	3560	20.57	20.39	104.23%	0.921	0.960	021
LTE Band 48			1	0	Front Surface	5	55830	3609	20.57	20.46	102.57%	0.830	0.851	-
LTE Band 48			1	50	Front Surface	5	56150	3641	20.57	20.53	100.93%	0.912	0.920	-
LTE Band 48			1	50	Front Surface	5	56640	3690	20.57	20.41	103.75%	0.822	0.853	-
LTE Band 48			50	0	Front Surface	5	55830	3609	19.57	19.49	101.86%	0.631	0.643	-
LTE Band 48			100RB		Front Surface	5	55340	3560	19.57	19.51	101.39%	0.612	0.621	-
LTE Band 48			1	50	Back Surface	5	56150	3641	20.57	20.53	100.93%	0.312	0.315	-
LTE Band 48			50	0	Back Surface	5	55830	3609	19.57	19.49	101.86%	0.218	0.222	-
LTE Band 48			1	50	Top Edge	5	56150	3641	20.57	20.53	100.93%	0.231	0.233	-
LTE Band 48			50	0	Top Edge	5	55830	3609	19.57	19.49	101.86%	0.172	0.175	-
LTE Band 48			1	50	Right Edge	5	56150	3641	20.57	20.53	100.93%	0.215	0.217	-
LTE Band 48			50	0	Right Edge	5	55830	3609	19.57	19.49	101.86%	0.188	0.191	-
LTE Band 48			1	50	Left Edge	5	56150	3641	20.57	20.53	100.93%	0.309	0.312	-
LTE Band 48			50	0	Left Edge	5	55830	3609	19.57	19.49	101.86%	0.220	0.224	-
LTE Band 48			1	99	Front Surface*	5	55340	3560	20.57	20.39	104.23%	0.911	0.950	-

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Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
												Measured	Reported	
NR n2	20MHz	SCS 15kHz Pi/2 BPSK	1	1	Front Surface	5	372000	1860	22.20	21.06	130.02%	0.820	1.066	-
NR n2			1	1	Front Surface	5	376000	1880	22.20	21.15	127.35%	0.911	1.160	022
NR n2			1	53	Front Surface	5	380000	1900	22.20	21.03	130.92%	0.782	1.024	-
NR n2			50	28	Front Surface	5	372000	1860	22.20	21.15	127.35%	0.802	1.021	-
NR n2			50	28	Front Surface	5	376000	1880	22.20	21.14	127.64%	0.893	1.140	-
NR n2			50	28	Front Surface	5	380000	1900	22.20	21.17	126.77%	0.761	0.965	-
NR n2			100	0	Front Surface	5	372000	1860	21.70	20.68	126.47%	0.902	1.141	-
NR n2			1	1	Back Surface	5	376000	1880	22.20	21.15	127.35%	0.267	0.340	-
NR n2			50	28	Back Surface	5	380000	1900	22.20	21.17	126.77%	0.257	0.326	-
NR n2			1	1	Top Edge	5	376000	1880	22.20	21.15	127.35%	0.248	0.316	-
NR n2			50	28	Top Edge	5	380000	1900	22.20	21.17	126.77%	0.232	0.294	-
NR n2			1	1	Right Edge	5	376000	1880	22.20	21.15	127.35%	0.281	0.358	-
NR n2			50	28	Right Edge	5	380000	1900	22.20	21.17	126.77%	0.272	0.345	-
NR n2			1	1	Left Edge	5	376000	1880	22.20	21.15	127.35%	0.327	0.416	-
NR n2			50	28	Left Edge	5	380000	1900	22.20	21.17	126.77%	0.316	0.401	-
NR n5	20MHz	SCS 15kHz Pi/2 BPSK	1	53	Front Surface	5	167800	839	24.50	23.18	135.52%	0.587	0.795	-
NR n5			50	28	Front Surface	5	167300	836.5	24.50	23.13	137.09%	0.567	0.777	-
NR n5			1	53	Back Surface	5	167800	839	24.50	23.18	135.52%	0.523	0.709	-
NR n5			50	28	Back Surface	5	167300	836.5	24.50	23.13	137.09%	0.512	0.702	-
NR n5			1	53	Top Edge	5	167800	839	24.50	23.18	135.52%	0.086	0.117	-
NR n5			50	28	Top Edge	5	167300	836.5	24.50	23.13	137.09%	0.087	0.119	-
NR n5			1	53	Right Edge	5	166800	834	24.50	23.16	136.14%	0.755	1.028	-
NR n5			1	1	Right Edge	5	167300	836.5	24.50	23.16	136.14%	0.723	0.984	-
NR n5			1	53	Right Edge	5	167800	839	24.50	23.18	135.52%	0.759	1.029	023
NR n5			50	28	Right Edge	5	167300	836.5	24.50	23.13	137.09%	0.739	1.013	-
NR n5			100	0	Right Edge	5	166800	834	24.00	22.67	135.83%	0.665	0.903	-
NR n5			1	53	Left Edge	5	167800	839	24.50	23.18	135.52%	0.429	0.581	-
NR n5			50	28	Left Edge	5	167300	836.5	24.50	23.13	137.09%	0.411	0.563	-
NR n7	20MHz	SCS 15kHz Pi/2 BPSK	1	1	Front Surface	5	502000	2510	21.18	20.34	121.34%	0.766	0.929	-
NR n7			1	1	Front Surface	5	507000	2535	21.18	20.42	119.12%	0.812	0.967	-
NR n7			1	1	Front Surface	5	512000	2560	21.18	20.29	122.74%	0.902	1.107	024
NR n7			50	28	Front Surface	5	502000	2510	21.18	20.05	129.72%	0.777	1.008	-
NR n7			50	28	Front Surface	5	507000	2535	21.18	20.17	126.18%	0.756	0.954	-
NR n7			50	28	Front Surface	5	512000	2560	21.18	20.11	127.94%	0.868	1.111	-
NR n7			100	0	Front Surface	5	502000	2510	20.68	19.70	125.31%	0.729	0.914	-
NR n7			1	1	Back Surface	5	507000	2535	21.18	20.42	119.12%	0.405	0.482	-
NR n7			50	28	Back Surface	5	507000	2535	21.18	20.17	126.18%	0.420	0.530	-
NR n7			1	1	Top Edge	5	507000	2535	21.18	20.42	119.12%	0.415	0.494	-
NR n7			50	28	Top Edge	5	507000	2535	21.18	20.17	126.18%	0.409	0.516	-
NR n7			1	1	Right Edge	5	507000	2535	21.18	20.42	119.12%	0.251	0.299	-
NR n7			50	28	Right Edge	5	507000	2535	21.18	20.17	126.18%	0.239	0.302	-
NR n7			1	1	Left Edge	5	507000	2535	21.18	20.42	119.12%	0.410	0.488	-
NR n7			50	28	Left Edge	5	507000	2535	21.18	20.17	126.18%	0.392	0.495	-
NR n12	15MHz	SCS 15kHz Pi/2 BPSK	1	1	Front Surface	5	141300	706.5	24.50	23.53	125.03%	0.912	1.140	-
NR n12			1	1	Front Surface	5	141500	707.5	24.50	23.74	119.12%	0.947	1.128	025
NR n12			1	1	Front Surface	5	141700	708.5	24.50	23.69	120.50%	0.930	1.121	-
NR n12			36	22	Front Surface	5	141300	706.5	24.50	23.48	126.47%	0.905	1.145	-
NR n12			36	22	Front Surface	5	141500	707.5	24.50	23.30	131.83%	0.887	1.169	-
NR n12			36	22	Front Surface	5	141700	708.5	24.50	23.28	132.43%	0.900	1.192	-
NR n12			75	0	Front Surface	5	141500	707.5	24.00	23.05	124.45%	0.815	1.014	-
NR n12			1	1	Back Surface	5	141300	706.5	24.50	23.53	125.03%	0.785	0.981	-
NR n12			1	1	Back Surface	5	141500	707.5	24.50	23.74	119.12%	0.812	0.967	-
NR n12			1	1	Back Surface	5	141700	708.5	24.50	23.69	120.50%	0.766	0.923	-
NR n12			36	22	Back Surface	5	141300	706.5	24.50	23.48	126.47%	0.785	0.993	-
NR n12			36	22	Back Surface	5	141500	707.5	24.50	23.30	131.83%	0.800	1.055	-
NR n12			36	22	Back Surface	5	141700	708.5	24.50	23.28	132.43%	0.766	1.014	-
NR n12			75	0	Back Surface	5	141500	707.5	24.00	23.05	124.45%	0.729	0.907	-
NR n12			1	1	Top Edge	5	141500	707.5	24.50	23.74	119.12%	0.135	0.161	-
NR n12			36	22	Top Edge	5	141300	706.5	24.50	23.48	126.47%	0.129	0.163	-
NR n12			1	1	Right Edge	5	141300	706.5	24.50	23.53	125.03%	0.692	0.865	-
NR n12			1	1	Right Edge	5	141500	707.5	24.50	23.74	119.12%	0.725	0.864	-
NR n12			1	1	Right Edge	5	141700	708.5	24.50	23.69	120.50%	0.672	0.810	-
NR n12			36	22	Right Edge	5	141300	706.5	24.50	23.48	126.47%	0.712	0.900	-
NR n12			36	22	Right Edge	5	141500	707.5	24.50	23.30	131.83%	0.698	0.920	-
NR n12			36	22	Right Edge	5	141700	708.5	24.50	23.28	132.43%	0.652	0.863	-
NR n12			75	0	Right Edge	5	141500	707.5	24.00	23.05	124.45%	0.590	0.734	-
NR n12			1	1	Left Edge	5	141300	706.5	24.50	23.53	125.03%	0.872	1.090	-
NR n12			1	1	Left Edge	5	141500	707.5	24.50	23.74	119.12%	0.862	1.027	-
NR n12			1	1	Left Edge	5	141700	708.5	24.50	23.69	120.50%	0.855	1.030	-
NR n12			36	22	Left Edge	5	141300	706.5	24.50	23.48	126.47%	0.902	1.141	-
NR n12			36	22	Left Edge	5	141500	707.5	24.50	23.30	131.83%	0.865	1.140	-
NR n12			36	22	Left Edge	5	141700	708.5	24.50	23.28	132.43%	0.870	1.152	-
NR n12			75	0	Left Edge	5	141500	707.5	24.00	23.05	124.45%	0.882	1.098	-
NR n12			1	1	Front Surface*	5	141500	707.5	24.50	23.74	119.12%	0.912	1.086	-

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NR n25	20MHz	SCS 15kHz Pi/2 BPSK	1	1	Front Surface	5	372000	1860	21.14	20.44	117.49%	0.905	1.063	-
NR n25			1	1	Front Surface	5	376500	1882.5	21.14	20.58	113.76%	0.921	1.048	026
NR n25			1	1	Front Surface	5	381000	1905	21.14	20.54	114.82%	0.856	0.983	-
NR n25			50	28	Front Surface	5	372000	1860	21.14	20.14	125.89%	0.852	1.073	-
NR n25			50	28	Front Surface	5	376500	1882.5	21.14	20.38	119.12%	0.882	1.051	-
NR n25			50	28	Front Surface	5	381000	1905	21.14	20.14	125.89%	0.866	1.090	-
NR n25			100	0	Front Surface	5	372000	1860	20.64	19.85	119.95%	0.795	0.954	-
NR n25			1	1	Back Surface	5	376500	1882.5	21.14	20.58	113.76%	0.389	0.443	-
NR n25			50	28	Back Surface	5	376500	1882.5	21.14	20.38	119.12%	0.369	0.440	-
NR n25			1	1	Top Edge	5	376500	1882.5	21.14	20.58	113.76%	0.469	0.534	-
NR n25			50	28	Top Edge	5	376500	1882.5	21.14	20.38	119.12%	0.452	0.538	-
NR n25			1	1	Right Edge	5	376500	1882.5	21.14	20.58	113.76%	0.125	0.142	-
NR n25			50	28	Right Edge	5	376500	1882.5	21.14	20.38	119.12%	0.115	0.137	-
NR n25			1	1	Left Edge	5	376500	1882.5	21.14	20.58	113.76%	0.526	0.598	-
NR n25			50	28	Left Edge	5	376500	1882.5	21.14	20.38	119.12%	0.502	0.598	-
NR n25			1	1	Front Surface*	5	376500	1882.5	21.14	20.58	113.76%	0.892	1.015	-
NR n66	20MHz	SCS 15kHz Pi/2 BPSK	1	53	Front Surface	5	344000	1720	20.49	19.49	125.89%	0.826	1.040	-
NR n66			1	53	Front Surface	5	349000	1745	20.49	19.57	123.59%	0.862	1.065	-
NR n66			1	104	Front Surface	5	354000	1770	20.49	19.58	123.31%	0.871	1.074	027
NR n66			50	28	Front Surface	5	344000	1720	20.49	19.53	124.74%	0.812	1.013	-
NR n66			50	28	Front Surface	5	349000	1745	20.49	19.47	126.47%	0.755	0.955	-
NR n66			50	28	Front Surface	5	354000	1770	20.49	19.43	127.64%	0.724	0.924	-
NR n66			100	0	Front Surface	5	349000	1745	19.99	19.08	123.31%	0.682	0.841	-
NR n66			1	104	Back Surface	5	354000	1770	20.49	19.58	123.31%	0.164	0.202	-
NR n66			50	28	Back Surface	5	344000	1720	20.49	19.53	124.74%	0.156	0.195	-
NR n66			1	104	Top Edge	5	354000	1770	20.49	19.58	123.31%	0.176	0.217	-
NR n66			50	28	Top Edge	5	344000	1720	20.49	19.53	124.74%	0.158	0.197	-
NR n66			1	104	Right Edge	5	354000	1770	20.49	19.58	123.31%	0.082	0.101	-
NR n66			50	28	Right Edge	5	344000	1720	20.49	19.53	124.74%	0.069	0.086	-
NR n66			1	104	Left Edge	5	354000	1770	20.49	19.58	123.31%	0.175	0.216	-
NR n66			50	28	Left Edge	5	344000	1720	20.49	19.53	124.74%	0.182	0.227	-
NR n71	20MHz	SCS 15kHz Pi/2 BPSK	1	1	Front Surface	5	137600	688	24.50	23.39	129.12%	0.512	0.661	-
NR n71			50	28	Front Surface	5	134600	673	24.50	23.24	133.66%	0.523	0.699	-
NR n71			1	1	Back Surface	5	137600	688	24.50	23.39	129.12%	0.602	0.777	-
NR n71			50	28	Back Surface	5	134600	673	24.50	23.24	133.66%	0.580	0.775	-
NR n71			1	1	Top Edge	5	137600	688	24.50	23.39	129.12%	0.062	0.080	-
NR n71			50	28	Top Edge	5	134600	673	24.50	23.24	133.66%	0.050	0.067	-
NR n71			1	104	Right Edge	5	134600	673	24.50	23.34	130.62%	0.684	0.893	-
NR n71			1	1	Right Edge	5	136100	680.5	24.50	23.37	129.72%	0.644	0.835	-
NR n71			1	1	Right Edge	5	137600	688	24.50	23.39	129.12%	0.708	0.914	028
NR n71			50	28	Right Edge	5	134600	673	24.50	23.24	133.66%	0.672	0.898	-
NR n71			50	28	Right Edge	5	136100	680.5	24.50	23.20	134.90%	0.626	0.844	-
NR n71			50	28	Right Edge	5	137600	688	24.50	23.21	134.59%	0.689	0.927	-
NR n71			100	0	Right Edge	5	134600	673	24.00	22.88	129.42%	0.621	0.804	-
NR n71			1	1	Left Edge	5	137600	688	24.50	23.39	129.12%	0.570	0.736	-
NR n71			50	28	Left Edge	5	134600	673	24.50	23.24	133.66%	0.535	0.715	-
NR n77_PC3_FCC	100MHz	SCS 30kHz Pi/2 BPSK	1	1	Front Surface	5	656000	3840	17.73	16.92	120.50%	0.615	0.741	029
NR n77_PC3_FCC			135	69	Front Surface	5	662000	3930	17.73	16.86	122.18%	0.598	0.731	-
NR n77_PC3_FCC			1	1	Back Surface	5	656000	3840	17.73	16.92	120.50%	0.301	0.363	-
NR n77_PC3_FCC			135	69	Back Surface	5	662000	3930	17.73	16.86	122.18%	0.305	0.373	-
NR n77_PC3_FCC			1	1	Top Edge	5	656000	3840	17.73	16.92	120.50%	0.128	0.154	-
NR n77_PC3_FCC			135	69	Top Edge	5	662000	3930	17.73	16.86	122.18%	0.141	0.172	-
NR n77_PC3_FCC			1	1	Right Edge	5	656000	3840	17.73	16.92	120.50%	0.155	0.187	-
NR n77_PC3_FCC			135	69	Right Edge	5	662000	3930	17.73	16.86	122.18%	0.140	0.171	-
NR n77_PC3_FCC			1	1	Left Edge	5	656000	3840	17.73	16.92	120.50%	0.203	0.245	-
NR n77_PC3_FCC			135	69	Left Edge	5	662000	3930	17.73	16.86	122.18%	0.198	0.242	-
NR n77 & n78_PC3_FCC	100MHz	SCS 30kHz Pi/2 BPSK	1	1	Front Surface	5	633333	3499.995	17.73	16.88	121.62%	0.894	1.087	030
NR n77 & n78_PC3_FCC			135	69	Front Surface	5	633333	3499.995	17.73	16.81	123.59%	0.857	1.059	-
NR n77 & n78_PC3_FCC			270	0	Front Surface	5	633333	3499.995	17.23	16.40	121.06%	0.815	0.987	-
NR n77 & n78_PC3_FCC			1	1	Back Surface	5	633333	3499.995	17.73	16.88	121.62%	0.401	0.488	-
NR n77 & n78_PC3_FCC			135	69	Back Surface	5	633333	3499.995	17.73	16.81	123.59%	0.385	0.476	-
NR n77 & n78_PC3_FCC			1	1	Top Edge	5	633333	3499.995	17.73	16.88	121.62%	0.145	0.176	-
NR n77 & n78_PC3_FCC			135	69	Top Edge	5	633333	3499.995	17.73	16.81	123.59%	0.138	0.171	-
NR n77 & n78_PC3_FCC			1	1	Right Edge	5	633333	3499.995	17.73	16.88	121.62%	0.171	0.208	-
NR n77 & n78_PC3_FCC			135	69	Right Edge	5	633333	3499.995	17.73	16.81	123.59%	0.178	0.220	-
NR n77 & n78_PC3_FCC			1	1	Left Edge	5	633333	3499.995	17.73	16.88	121.62%	0.285	0.347	-
NR n77 & n78_PC3_FCC			135	69	Left Edge	5	633333	3499.995	17.73	16.81	123.59%	0.290	0.358	-
NR n77 & n78_PC3_FCC			1	1	Front Surface*	5	633333	3499.995	17.73	16.88	121.62%	0.853	1.037	-

Note: * - repeated at the highest SAR measurement according to the KDB 865664 D01

Note:

Reported SAR = measured SAR * Power scaling * Duty cycle scaling

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6.3 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

6.4 Conclusion

The device is compliant because all the standalone results are less than their corresponding criteria.

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7 INSTRUMENTS LIST

Equipment List					
Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Data acquisition Electronics	DAE4	1751	Mar/27/2025	Mar/26/2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7712	Mar/24/2025	Mar/23/2026
SPEAG	System Validation Dipole	D750V3	1015	Sep/26/2025	Sep/25/2026
SPEAG	System Validation Dipole	D835V2	4d063	Sep/09/2025	Sep/08/2026
SPEAG	System Validation Dipole	D1750V2	1008	Sep/28/2025	Sep/27/2026
SPEAG	System Validation Dipole	D1900V2	5d173	Apr/16/2025	Apr/15/2026
SPEAG	System Validation Dipole	D2600V2	1005	Jan/14/2025	Jan/13/2026
SPEAG	System Validation Dipole	D3500V2	1067	Jan/16/2025	Jan/15/2026
SPEAG	System Validation Dipole	D3700V2	1074	Jan/16/2025	Jan/15/2026
SPEAG	System Validation Dipole	D3900V2	1014	Aug/13/2025	Aug/12/2026
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/17/2025	Feb/16/2026
R&S	MXG Analog Signal Generator	SMB100A03	182012	Aug/09/2025	Aug/08/2026
Agilent	Dual-directional coupler	772D	MY46151258	Oct/08/2025	Oct/07/2026
Agilent	Dual-directional coupler	778D	MY46151242	Sep/09/2025	Sep/08/2026
EMCI	Amplifier	EMC 074225P	980155	Calibration not required	Calibration not required
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
R&S	Power Sensor	NRP18S	109065	Sep/05/2025	Sep/04/2026
R&S	Power Meter	NRX	102034	Dec/27/2024	Dec/26/2025
R&S	Power Sensor	NRP8S	109066	Nov/03/2025	Nov/02/2026
SPEAG	Software	DASY 52 V52.10.4.152 7	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
R&S	Radio Communication Test	CMW 500	125470	May/15/2025	May/14/2026
TECPEL	Digital thermometer	HTC-1	EC23010603	Oct/30/2025	Oct/29/2026

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8 UNCERTAINTY BUDGET

Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
<i>Isotropy, Axial</i>	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	2.89%	N	1	1	0.64	0.43	1.85%	1.24%	M
Liquid Conductivity (mea.)	2.59%	N	1	1	0.6	0.49	1.55%	1.27%	M
Combined standard uncertainty		RSS					11.96%	11.84%	
Expan uncertainty (95% confidence interval), K=2							23.93%	23.68%	

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Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
<i>Isotropy , Axial</i>	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	3.82%	N	1	1	0.64	0.43	2.44%	1.64%	M
Liquid Conductivity (mea.)	4.01%	N	1	1	0.6	0.49	2.41%	1.96%	M
Combined standard uncertainty		RSS					11.92%	11.69%	
Expant uncertainty (95% confidence interval), K=2							23.84%	23.38%	

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9 SAR MEASUREMENT RESULTS

Date: 2025/11/20

ID: 001

Report No. :TESA2411000771EN

WCDMA Band II_Body_Front Surface_CH 9400_5mm

Communication System: WCDMA; Frequency: 1880 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.415 \text{ S/m}$; $\epsilon_r = 41.32$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.42, 7.92, 7.86) @ 1880 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.15 W/kg

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

Reference Value = 4.716 V/m; Power Drift = 0.15 dB

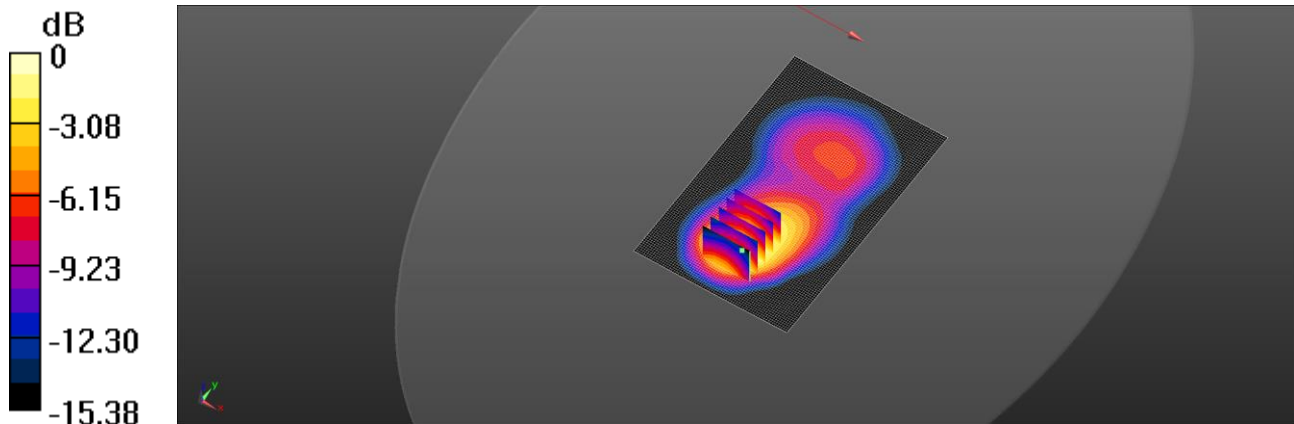
Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.875 W/kg; SAR(10 g) = 0.624 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 69.4%

Maximum value of SAR (measured) = 0.987 W/kg



0 dB = 0.987 W/kg = -0.06 dBW/kg

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Date: 2025/11/18

ID: 002

Report No. :TESA2411000771EN

WCDMA Band IV_Body_Front Surface_CH 1513_5mm

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1752.6$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 41.185$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.72, 8.2, 8.13) @ 1752.6 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

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

Reference Value = 7.411 V/m; Power Drift = 0.10 dB

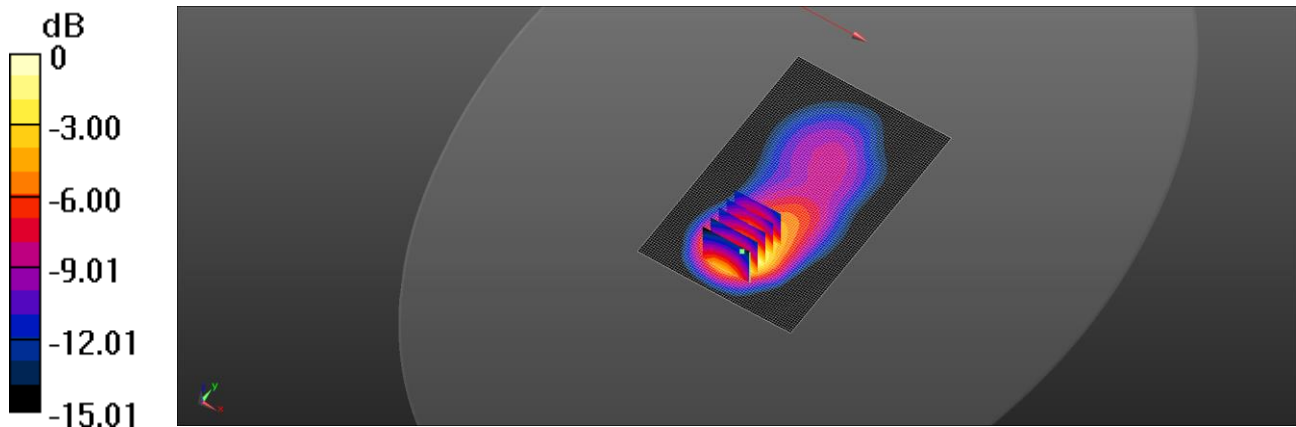
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.873 W/kg; SAR(10 g) = 0.613 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 65.5%

Maximum value of SAR (measured) = 0.952 W/kg



0 dB = 0.952 W/kg = -0.21 dBW/kg

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Date: 2025/11/17

ID: 003

Report No. :TESA2411000771EN

WCDMA Band V_Body_Right Edge_CH 4183_5mm

Communication System: WCDMA; Frequency: 836.6 MHz; Duty cycle= 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 42.671$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.55, 9.93, 9.85) @ 836.6 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.862 W/kg

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

Reference Value = 5.823 V/m; Power Drift = 0.17 dB

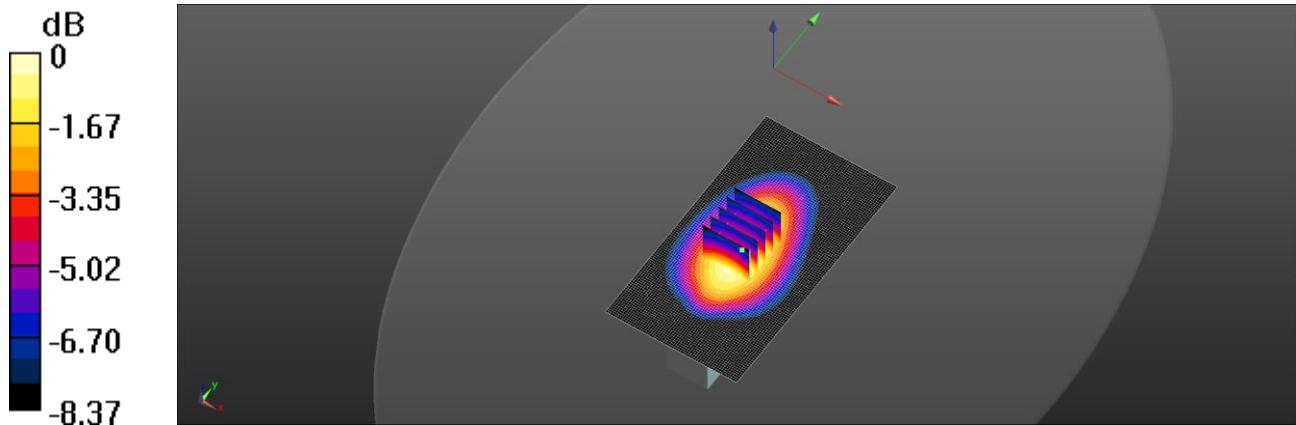
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.518 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.4%

Maximum value of SAR (measured) = 0.866 W/kg



0 dB = 0.866 W/kg = -0.62 dBW/kg

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Member of SGS Group

Date: 2025/11/20

ID: 004

Report No. :TESA2411000771EN

LTE Band 2 (20MHz)_Body_Front Surface_CH 18900_QPSK_1-0_5mm

Communication System: LTE; Frequency: 1880 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.415 \text{ S/m}$; $\epsilon_r = 41.32$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.42, 7.92, 7.86) @ 1880 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

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

Reference Value = 4.137 V/m; Power Drift = -0.06 dB

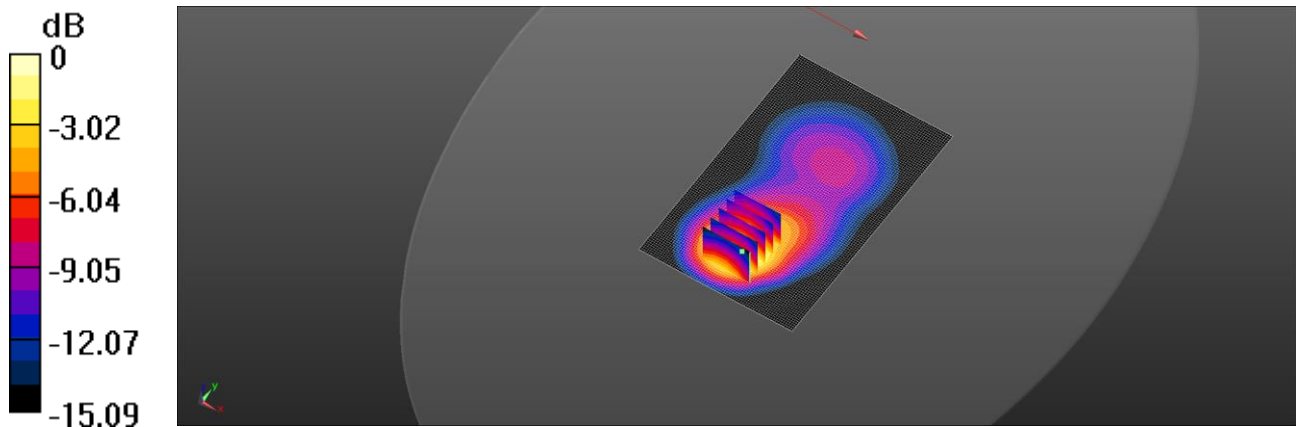
Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.565 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 68%

Maximum value of SAR (measured) = 0.989 W/kg



0 dB = 0.989 W/kg = -0.05 dBW/kg

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Date: 2025/11/18

ID: 005

Report No. :TESA2411000771EN

LTE Band 4 (20MHz)_Body_Front Surface_CH 20050_QPSK_1-99_5mm

Communication System: LTE; Frequency: 1720 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1720 \text{ MHz}$; $\sigma = 1.34 \text{ S/m}$; $\epsilon_r = 41.246$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.72, 8.2, 8.13) @ 1720 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.962 W/kg

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

Reference Value = 3.477 V/m; Power Drift = 0.06 dB

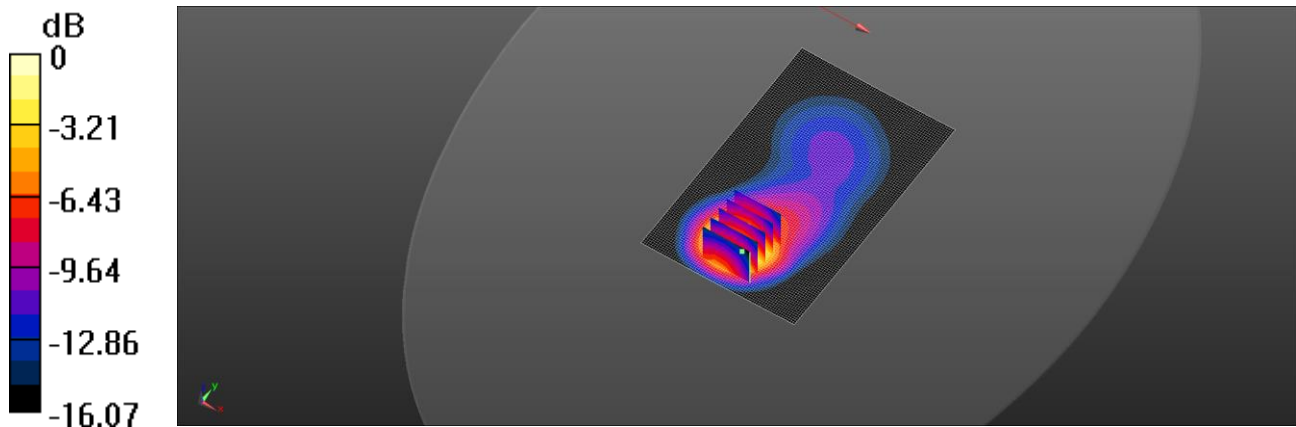
Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.571 W/kg

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 62.4%

Maximum value of SAR (measured) = 0.973 W/kg



0 dB = 0.973 W/kg = -0.12 dBW/kg

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Date: 2025/11/17

ID: 006

Report No. :TESA2411000771EN

LTE Band 5 (10MHz)_Body_Right Edge_CH 20525_QPSK_1-0_5mm

Communication System: LTE; Frequency: 836.5 MHz; Duty cycle= 1:1

Medium parameters used: $f = 836.5 \text{ MHz}$; $\sigma = 0.88 \text{ S/m}$; $\epsilon_r = 42.674$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.55, 9.93, 9.85) @ 836.5 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.920 W/kg

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

Reference Value = 4.942 V/m; Power Drift = 0.02 dB

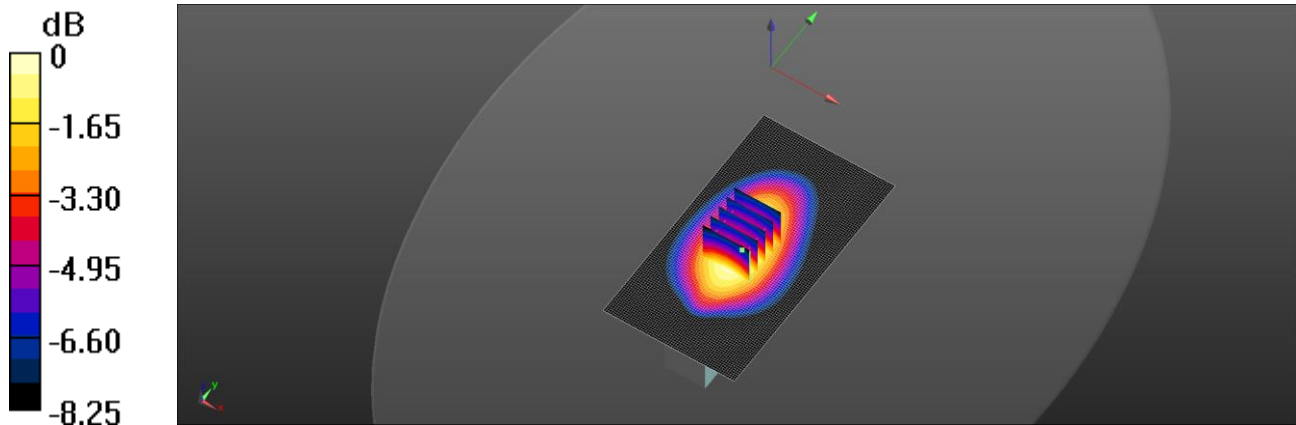
Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.520 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.6%

Maximum value of SAR (measured) = 0.893 W/kg



0 dB = 0.893 W/kg = -0.49 dBW/kg

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Date: 2025/11/22

ID: 007

Report No. :TESA2411000771EN

LTE Band 7 (20MHz)_Body_Front Surface_CH 21350_QPSK_1-0_5mm

Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.993$ S/m; $\epsilon_r = 40.175$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.61, 7.16, 7.1) @ 2560 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

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

Reference Value = 2.488 V/m; Power Drift = -0.11 dB

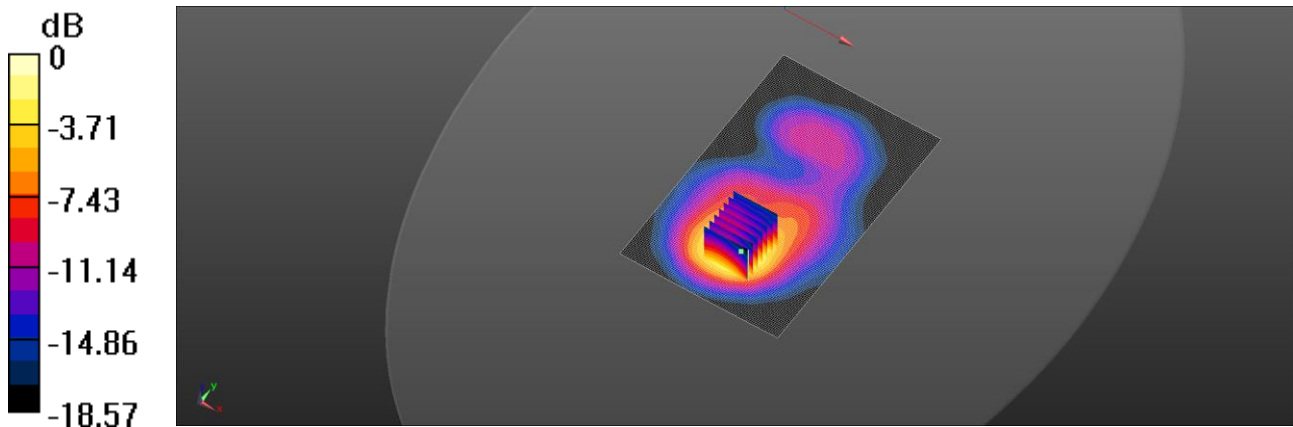
Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.825 W/kg; SAR(10 g) = 0.512 W/kg

Smallest distance from peaks to all points 3 dB below = 14.1 mm

Ratio of SAR at M2 to SAR at M1 = 56.9%

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

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Date: 2025/11/15

ID: 008

Report No. :TESA2411000771EN

LTE Band 12 (10MHz)_Body_Right Edge_CH 23130_QPSK_1-49_5mm

Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.916 \text{ S/m}$; $\epsilon_r = 43.243$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.83, 10.18, 10.1) @ 711 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x11x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.870 W/kg

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

Reference Value = 2.601 V/m; Power Drift = 0.03 dB

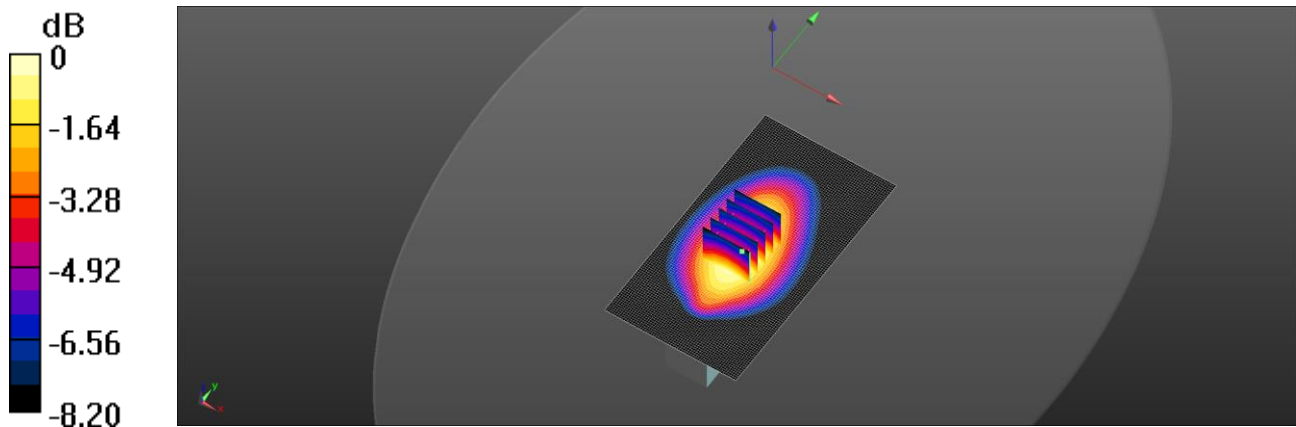
Peak SAR (extrapolated) = 0.993 W/kg

SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.503 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.4%

Maximum value of SAR (measured) = 0.846 W/kg



0 dB = 0.846 W/kg = -0.73 dBW/kg

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Date: 2025/11/15

ID: 009

Report No. :TESA2411000771EN

LTE Band 13 (10MHz)_Body_Right Edge_CH 23230_QPSK_1-25_5mm

Communication System: LTE; Frequency: 782 MHz; Duty cycle= 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.922 \text{ S/m}$; $\epsilon_r = 42.897$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.83, 10.18, 10.1) @ 782 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x11x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.684 W/kg

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

Reference Value = 5.436 V/m; Power Drift = 0.10 dB

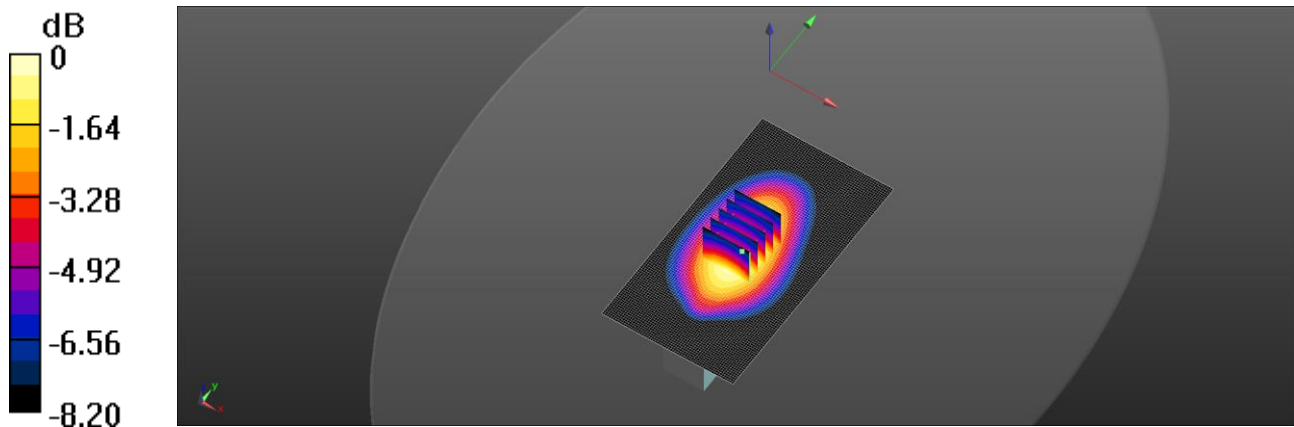
Peak SAR (extrapolated) = 0.783 W/kg

SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.393 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 70.2%

Maximum value of SAR (measured) = 0.667 W/kg



0 dB = 0.667 W/kg = -1.76 dBW/kg

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Member of SGS Group

Date: 2025/11/15

ID: 010

Report No. :TESA2411000771EN

LTE Band 14 (10MHz)_Body_Right Edge_CH 23330_QPSK_1-49_5mm

Communication System: LTE; Frequency: 793 MHz; Duty cycle= 1:1

Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 42.834$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.83, 10.18, 10.1) @ 793 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x11x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.789 W/kg

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

Reference Value = 3.292 V/m; Power Drift = 0.07 dB

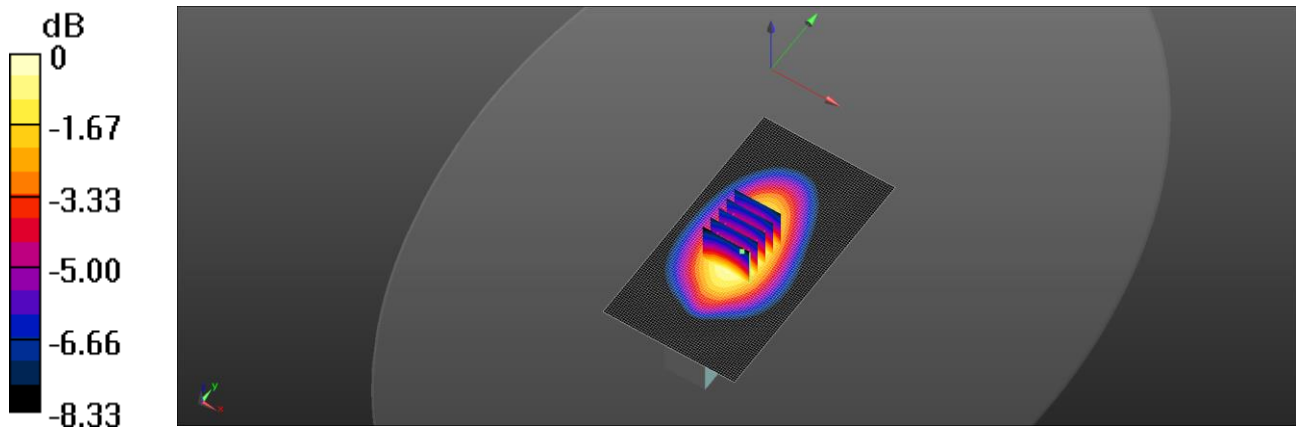
Peak SAR (extrapolated) = 0.885 W/kg

SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.455 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.8%

Maximum value of SAR (measured) = 0.765 W/kg



0 dB = 0.765 W/kg = -1.16 dBW/kg

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Member of SGS Group

Date: 2025/11/15

ID: 011

Report No. :TESA2411000771EN

LTE Band 17 (10MHz)_Body_Right Edge_CH 23780_QPSK_1-49_5mm

Communication System: LTE; Frequency: 709 MHz; Duty cycle= 1:1

Medium parameters used: $f = 709 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 43.254$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.83, 10.18, 10.1) @ 709 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x11x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.829 W/kg

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

Reference Value = 2.563 V/m; Power Drift = 0.13 dB

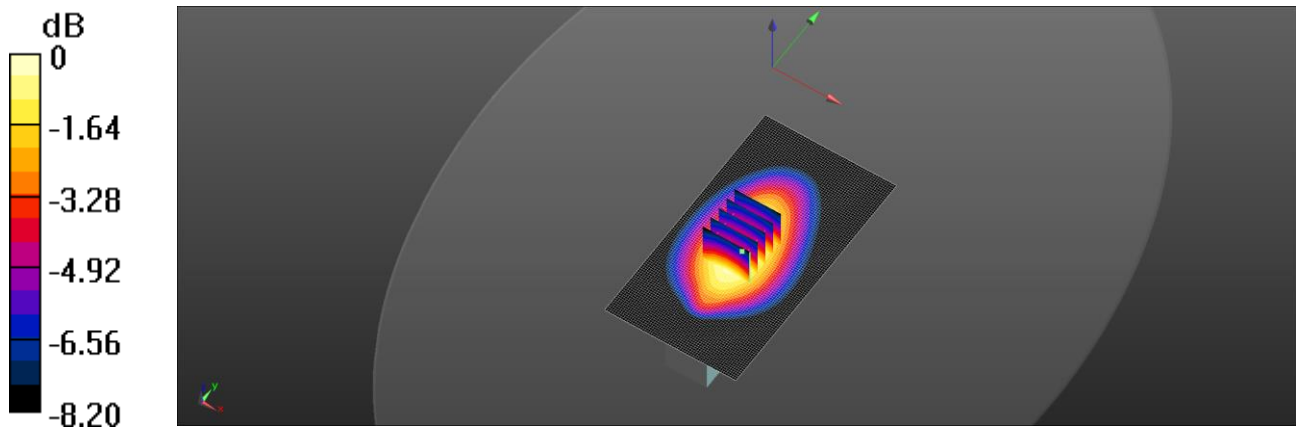
Peak SAR (extrapolated) = 0.939 W/kg

SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.486 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 72.5%

Maximum value of SAR (measured) = 0.809 W/kg



0 dB = 0.809 W/kg = -0.92 dBW/kg

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Date: 2025/11/20

ID: 012

Report No. :TESA2411000771EN

LTE Band 25 (20MHz)_Body_Front Surface_CH 26140_QPSK_1-0_5mm

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 41.342$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.42, 7.92, 7.86) @ 1860 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

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

Reference Value = 2.179 V/m; Power Drift = -0.08 dB

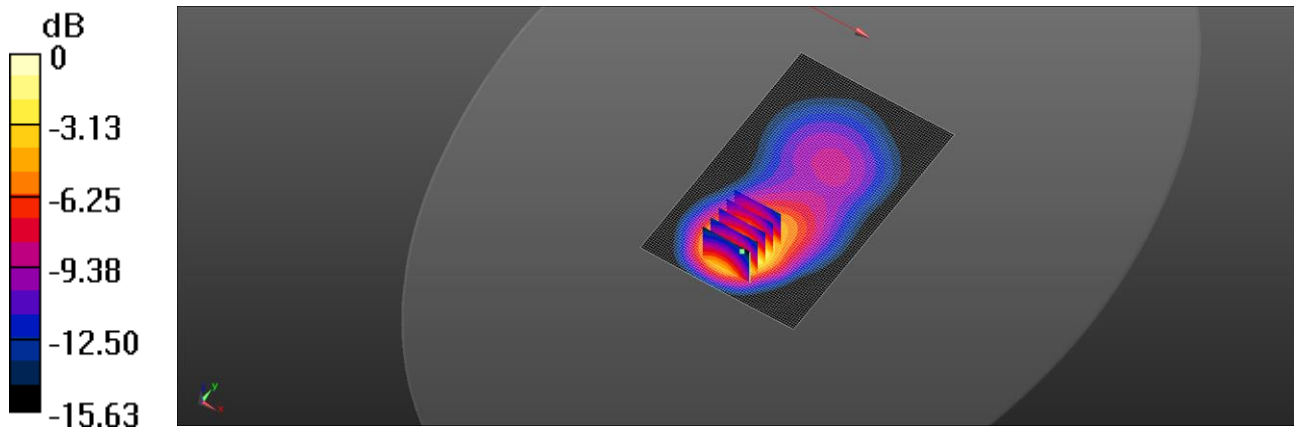
Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.571 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

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Date: 2025/11/17

ID: 013

Report No. :TESA2411000771EN

LTE Band 26 (15MHz)_Body_Right Edge_CH 26765_QPSK_1-74_5mm

Communication System: LTE; Frequency: 821.5 MHz; Duty cycle= 1:1

Medium parameters used: $f = 821.5 \text{ MHz}$; $\sigma = 0.873 \text{ S/m}$; $\epsilon_r = 42.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.55, 9.93, 9.85) @ 821.5 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.823 W/kg

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

Reference Value = 2.468 V/m; Power Drift = 0.19 dB

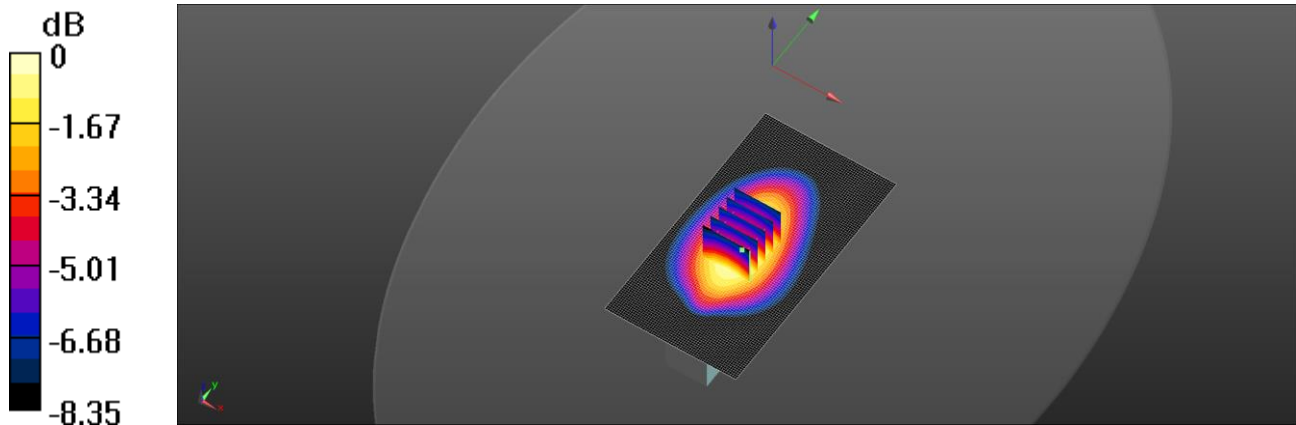
Peak SAR (extrapolated) = 0.921 W/kg

SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.476 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 72.3%

Maximum value of SAR (measured) = 0.803 W/kg



0 dB = 0.803 W/kg = -0.95 dBW/kg

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Date: 2025/11/18

ID: 014

Report No. :TESA2411000771EN

LTE Band 66 (20MHz)_Body_Front Surface_CH 132322_QPSK_1-99_5mm

Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.355 \text{ S/m}$; $\epsilon_r = 41.201$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.72, 8.2, 8.13) @ 1745 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.09 W/kg

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

Reference Value = 2.502 V/m; Power Drift = 0.12 dB

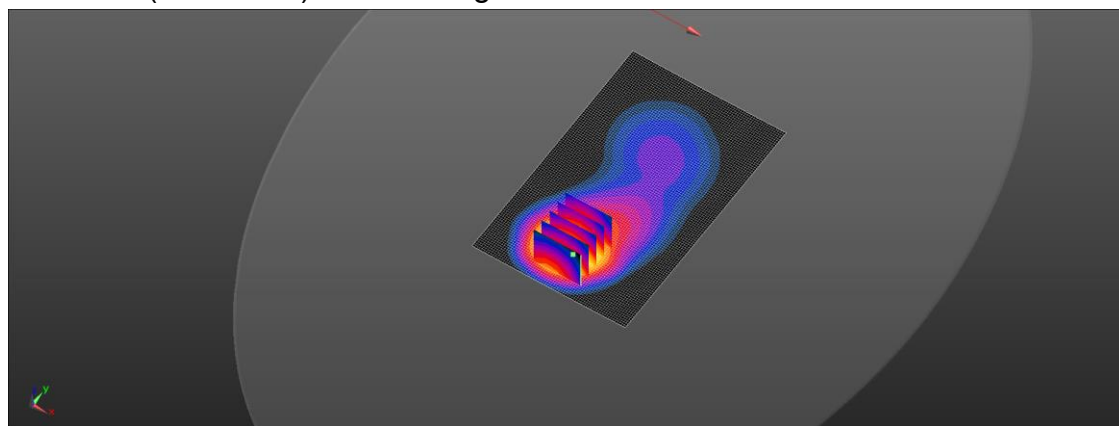
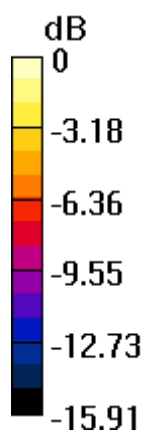
Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.952 W/kg; SAR(10 g) = 0.629 W/kg

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 62.1%

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

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Date: 2025/11/15

ID: 015

Report No. :TESA2411000771EN

LTE Band 71 (20MHz)_Body_Right Edge_CH 133222_QPSK_1-99_5mm

Communication System: LTE; Frequency: 673 MHz; Duty cycle= 1:1

Medium parameters used: $f = 673 \text{ MHz}$; $\sigma = 0.91 \text{ S/m}$; $\epsilon_r = 43.436$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.83, 10.18, 10.1) @ 673 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x11x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.848 W/kg

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

Reference Value = 2.605 V/m; Power Drift = 0.05 dB

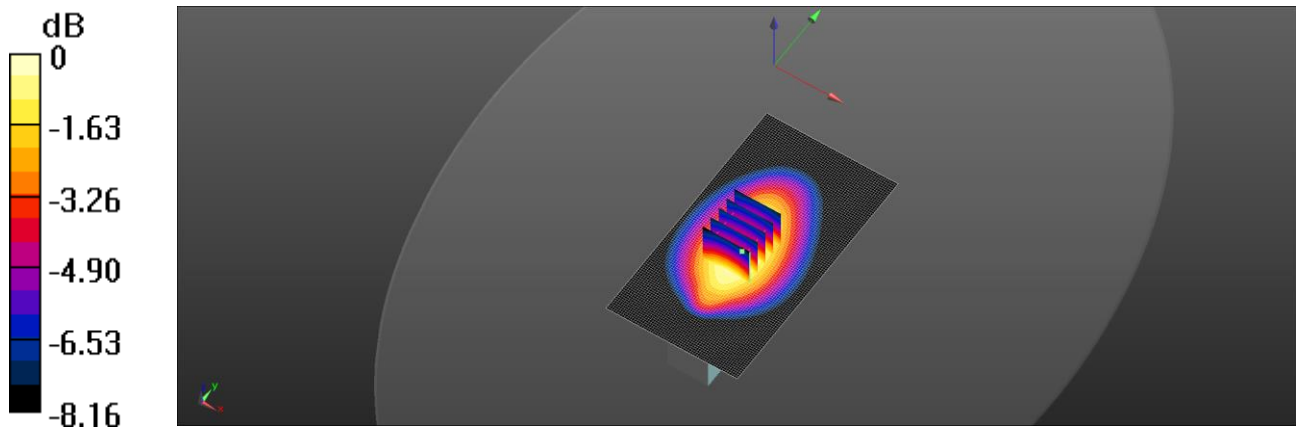
Peak SAR (extrapolated) = 0.955 W/kg

SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.494 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 72.4%

Maximum value of SAR (measured) = 0.834 W/kg



0 dB = 0.834 W/kg = -0.79 dBW/kg

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Date: 2025/11/22

ID: 016

Report No. :TESA2411000771EN

LTE Band 38 (20MHz)_Body_Front Surface_CH 38000_QPSK_1-99_5mm

Communication System: LTE; Frequency: 2595 MHz; Duty cycle= 1:1.58

Medium parameters used: $f = 2595 \text{ MHz}$; $\sigma = 2.033 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.61, 7.16, 7.1) @ 2595 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.40 W/kg

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

Reference Value = 3.058 V/m; Power Drift = 0.17 dB

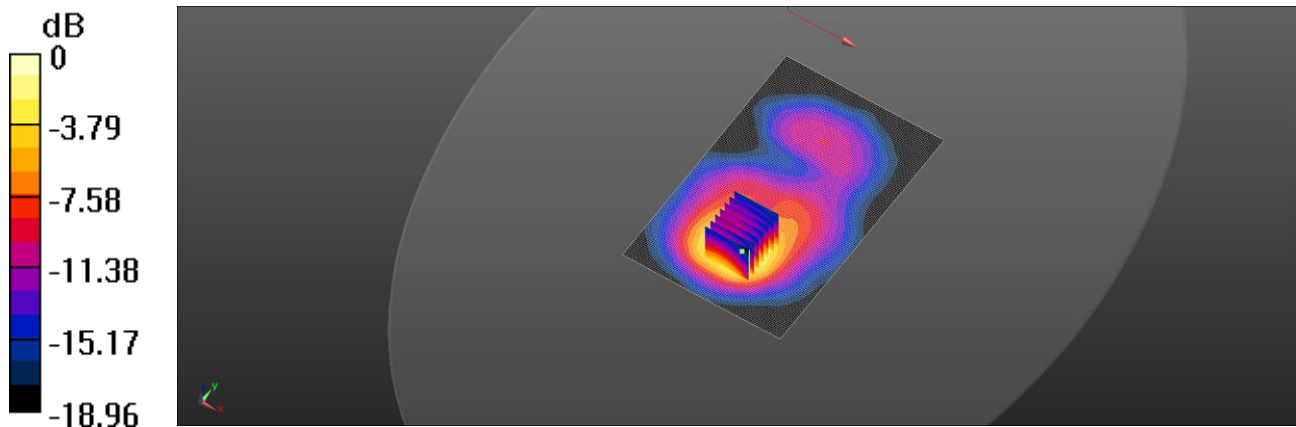
Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.502 W/kg

Smallest distance from peaks to all points 3 dB below = 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 57.1%

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

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Date: 2025/11/21

ID: 017

Report No. :TESA2411000771EN

LTE Band 41 (20MHz)_Body_Front Surface_CH 39750_QPSK_1-0_PC3_5mm

Communication System: LTE; Frequency: 2506 MHz; Duty cycle= 1:1.58

Medium parameters used: $f = 2506$ MHz; $\sigma = 1.909$ S/m; $\epsilon_r = 40.429$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.61, 7.16, 7.1) @ 2506 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.30 W/kg

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

Reference Value = 3.051 V/m; Power Drift = -0.04 dB

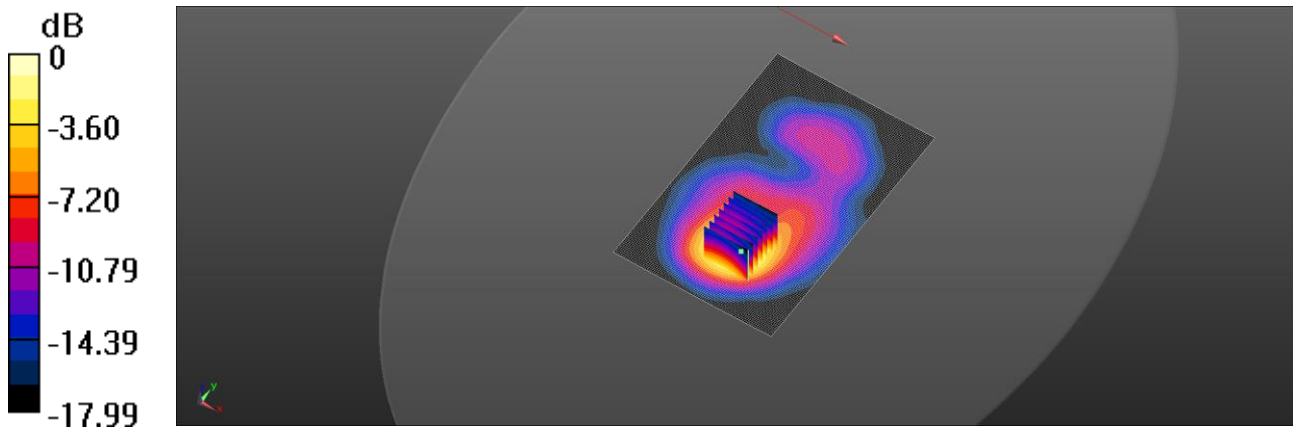
Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.876 W/kg; SAR(10 g) = 0.476 W/kg

Smallest distance from peaks to all points 3 dB below = 13.9 mm

Ratio of SAR at M2 to SAR at M1 = 56.3%

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

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Date: 2025/11/21

ID: 018

Report No. :TESA2411000771EN

LTE Band 41 (20MHz)_Body_Front Surface_CH 39750_QPSK_1-0_PC2_5mm

Communication System: LTE; Frequency: 2506 MHz; Duty cycle= 1: 2.31

Medium parameters used: $f = 2506$ MHz; $\sigma = 1.909$ S/m; $\epsilon_r = 40.429$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.61, 7.16, 7.1) @ 2506 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x141x1): Interpolated grid: dx=12 mm, dy=12 mm

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

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

Reference Value = 3.123 V/m; Power Drift = 0.06 dB

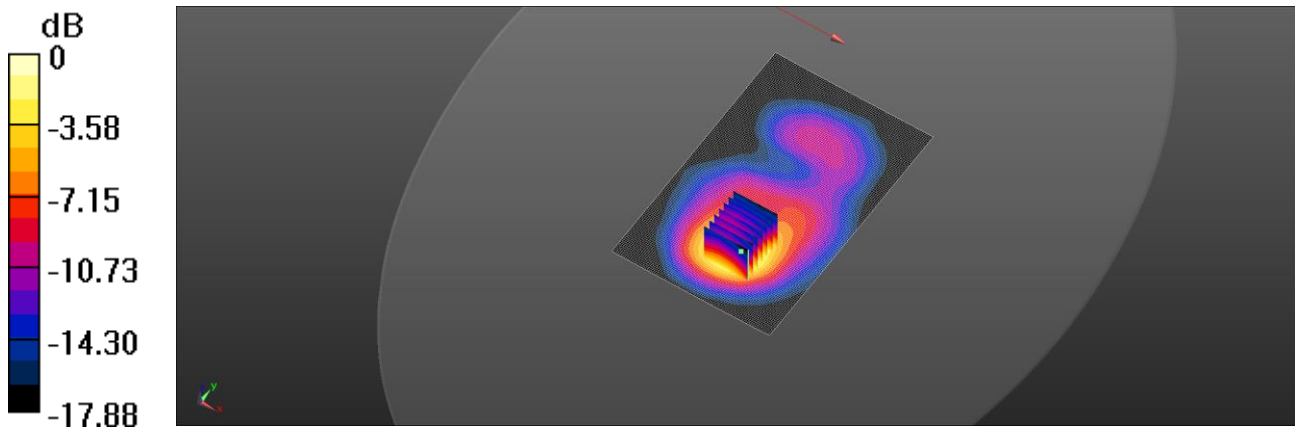
Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.459 W/kg

Smallest distance from peaks to all points 3 dB below = 13.4 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

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Member of SGS Group

Date: 2025/11/23

ID: 019

Report No. :TESA2411000771EN

LTE Band 42 (20MHz)_Body_Front Surface_CH 43490_QPSK_1-50_5mm_Part1

Communication System: LTE; Frequency: 3590 MHz; Duty cycle= 1:1.58

Medium parameters used: $f = 3590 \text{ MHz}$; $\sigma = 3.077 \text{ S/m}$; $\epsilon_r = 38.895$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.25, 6.82, 6.77) @ 3590 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.11 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 4.571 V/m; Power Drift = 0.01 dB

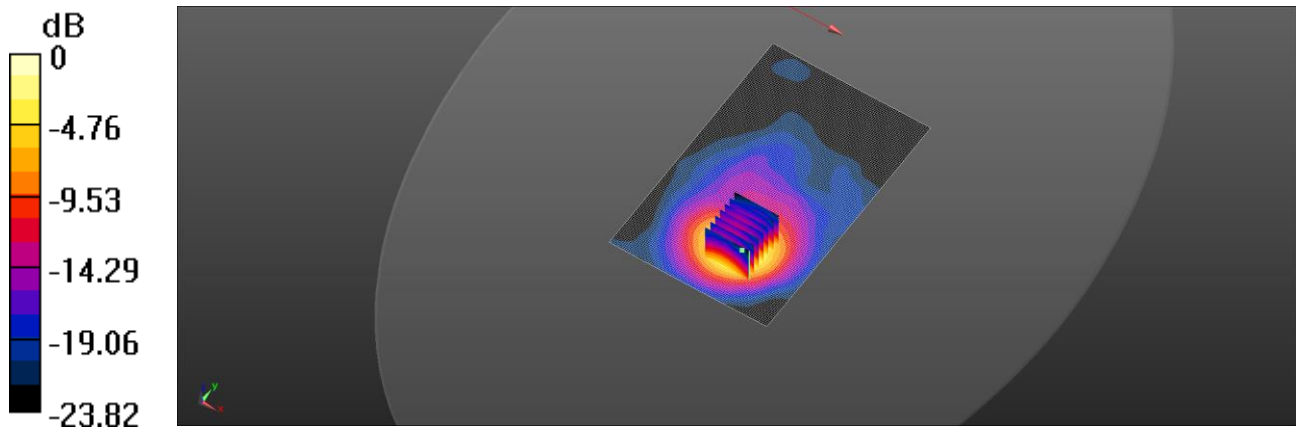
Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.507 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

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Date: 2025/11/23

ID: 020

Report No. :TESA2411000771EN

LTE Band 42 (20MHz)_Body_Front Surface_CH 43490_QPSK_1-99_5mm_Part2

Communication System: LTE; Frequency: 3590 MHz; Duty cycle= 1: 2.31

Medium parameters used: $f = 3590 \text{ MHz}$; $\sigma = 3.077 \text{ S/m}$; $\epsilon_r = 38.895$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.25, 6.82, 6.77) @ 3590 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.27 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 3.956 V/m; Power Drift = 0.01 dB

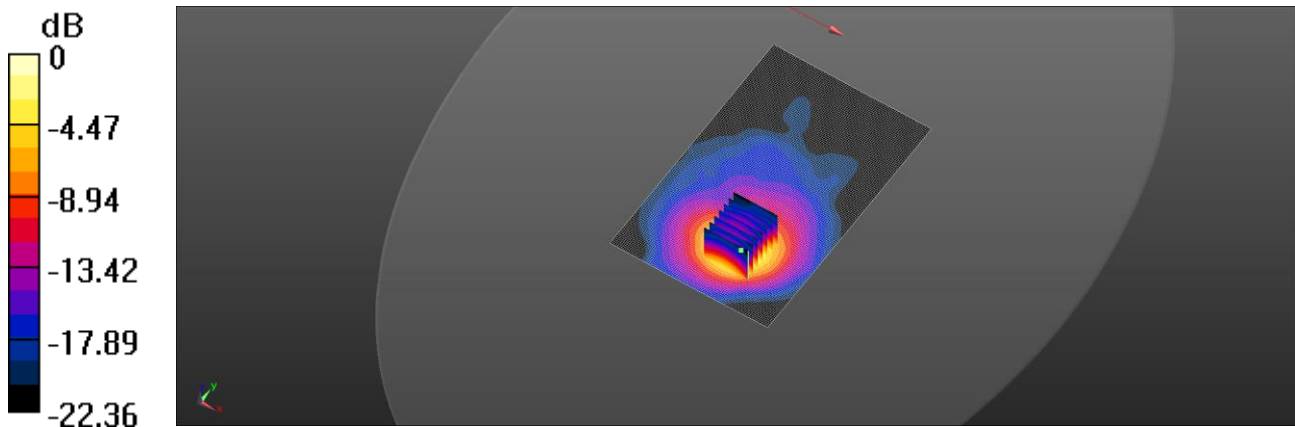
Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.518 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.9%

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

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Date: 2025/11/23

ID: 021

Report No. :TESA2411000771EN

LTE Band 48 (20MHz)_Body_Front Surface_CH 55340_QPSK_1-99_5mm

Communication System: LTE; Frequency: 3560 MHz; Duty cycle= 1:1.58

Medium parameters used: $f = 3560 \text{ MHz}$; $\sigma = 3.042 \text{ S/m}$; $\epsilon_r = 38.924$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.25, 6.82, 6.77) @ 3560 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.29 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 4.098 V/m; Power Drift = 0.11 dB

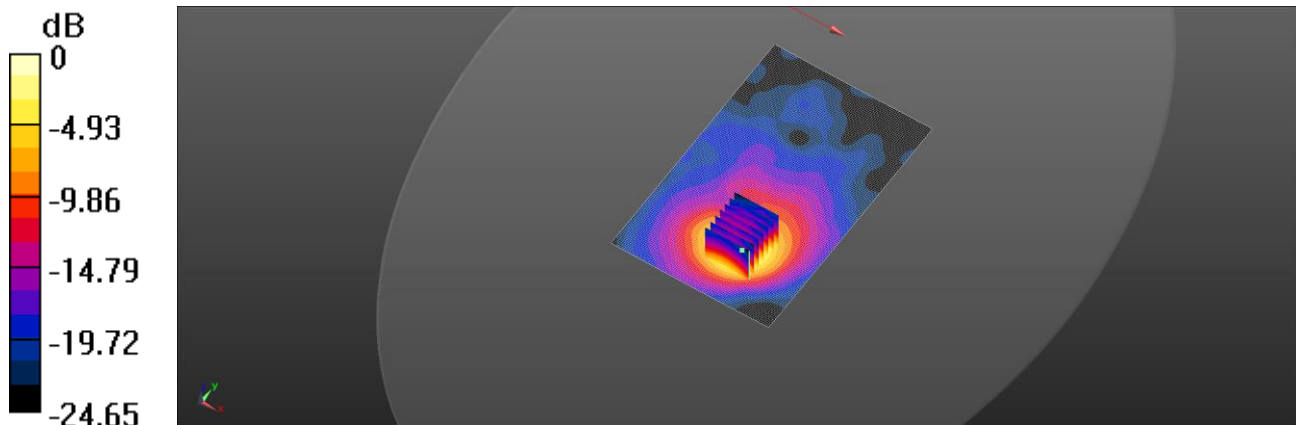
Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.490 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 54.3%

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.79 dBW/kg

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Date: 2025/11/20

ID: 022

Report No. :TESA2411000771EN

NR n2 (20MHz)_Body_Front Surface_CH 376000_Pi/2 BPSK_1-1_5mm

Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1880 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.415 \text{ S/m}$; $\epsilon_r = 41.32$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.42, 7.92, 7.86) @ 1880 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.21 W/kg

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

Reference Value = 5.119 V/m; Power Drift = -0.05 dB

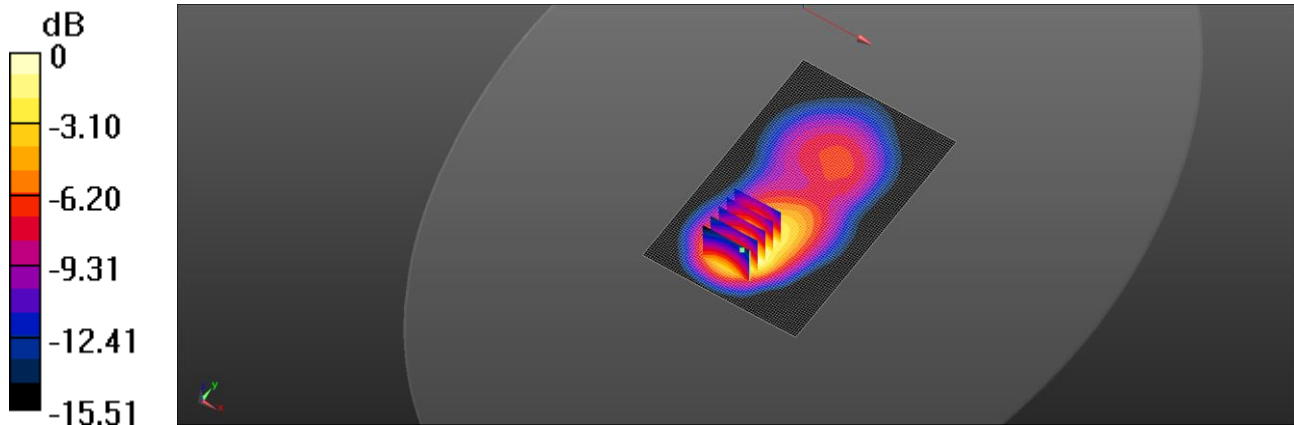
Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.620 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 67.3%

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

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Date: 2025/11/17

ID: 023

Report No. :TESA2411000771EN

NR n5 (20MHz)_Body_Right Edge_CH 167800_Pi/2 BPSK_1-53_5mm

Communication System: 5G NR(20MHz,Pi/2 BPSK, 15kHz); Frequency: 839 MHz; Duty cycle= 1:1

Medium parameters used: $f = 839 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 42.665$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.55, 9.93, 9.85) @ 839 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.985 W/kg

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

Reference Value = 5.264 V/m; Power Drift = 0.11 dB

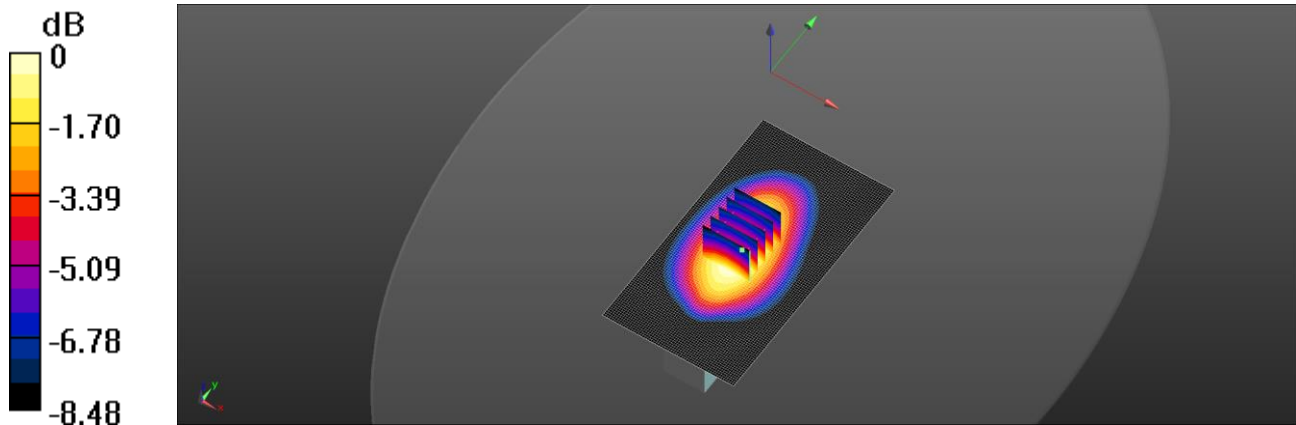
Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.532 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 72%

Maximum value of SAR (measured) = 0.922 W/kg



0 dB = 0.922 W/kg = -0.35 dBW/kg

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Date: 2025/11/22

ID: 024

Report No. :TESA2411000771EN

NR n7 (20MHz)_Body_Front Surface_CH 512000_Pi/2 BPSK_1-1_5mm

Communication System: 5G NR(20MHz,Pi/2 BPSK, 15kHz); Frequency: 2560 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2560 \text{ MHz}$; $\sigma = 1.993 \text{ S/m}$; $\epsilon_r = 40.175$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.61, 7.16, 7.1) @ 2560 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

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

Reference Value = 3.889 V/m; Power Drift = 0.03 dB

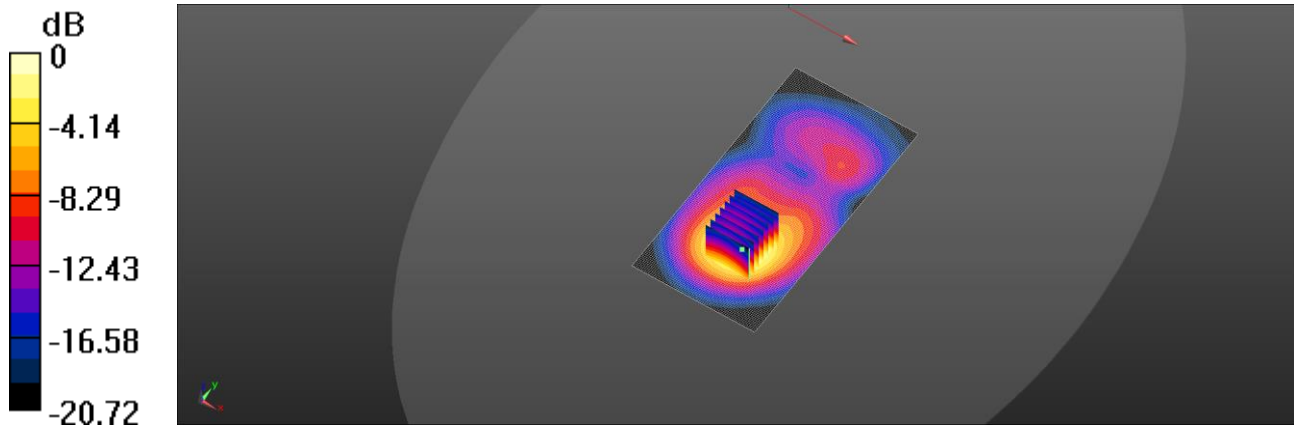
Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.902 W/kg; SAR(10 g) = 0.548 W/kg

Smallest distance from peaks to all points 3 dB below = 13.2 mm

Ratio of SAR at M2 to SAR at M1 = 52.1%

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



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Date: 2025/11/15

ID: 025

Report No. :TESA2411000771EN

NR n12 (15MHz)_Body_Front Surface_CH 141500_Pi/2 BPSK_1-1_5mm

Communication System: 5G NR(15 MHz, Pi/2 BPSK, 15KHz; Frequency: 707.5 MHz; Duty cycle= 1:1

Medium parameters used: $f = 707.5 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 43.265$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.83, 10.18, 10.1) @ 707.5 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm

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

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

Reference Value = 3.453 V/m; Power Drift = -0.17 dB

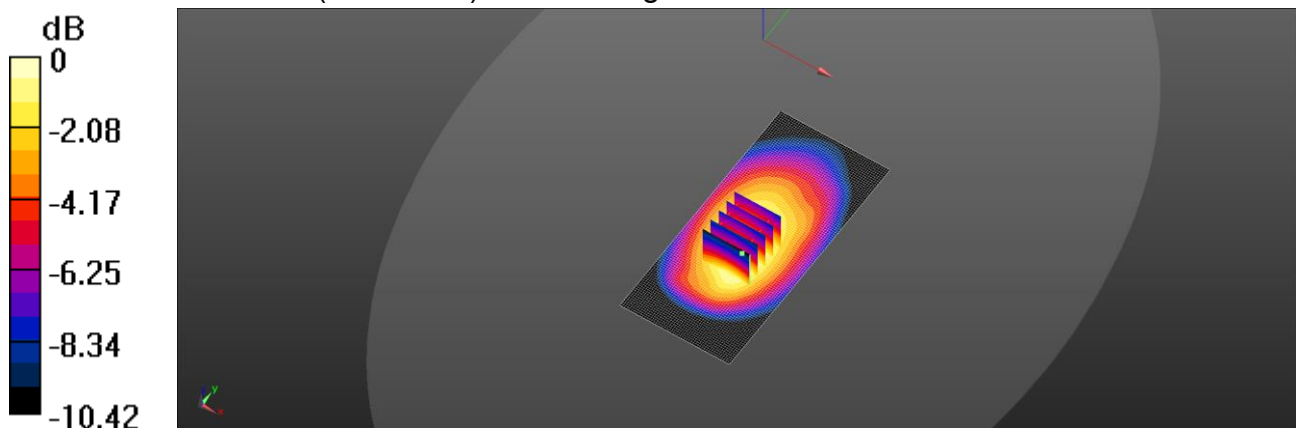
Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.947 W/kg; SAR(10 g) = 0.677 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.8%

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



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Date: 2025/11/20

ID: 026

Report No. :TESA2411000771EN

NR n25 (20MHz)_Body_Front Surface_CH 376500_Pi/2 BPSK_1-1_5mm

Communication System: 5G NR(20MHz,Pi/2 BPSK, 15kHz); Frequency: 1882.5 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 41.306$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.42, 7.92, 7.86) @ 1882.5 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

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

Reference Value = 4.179 V/m; Power Drift = 0.04 dB

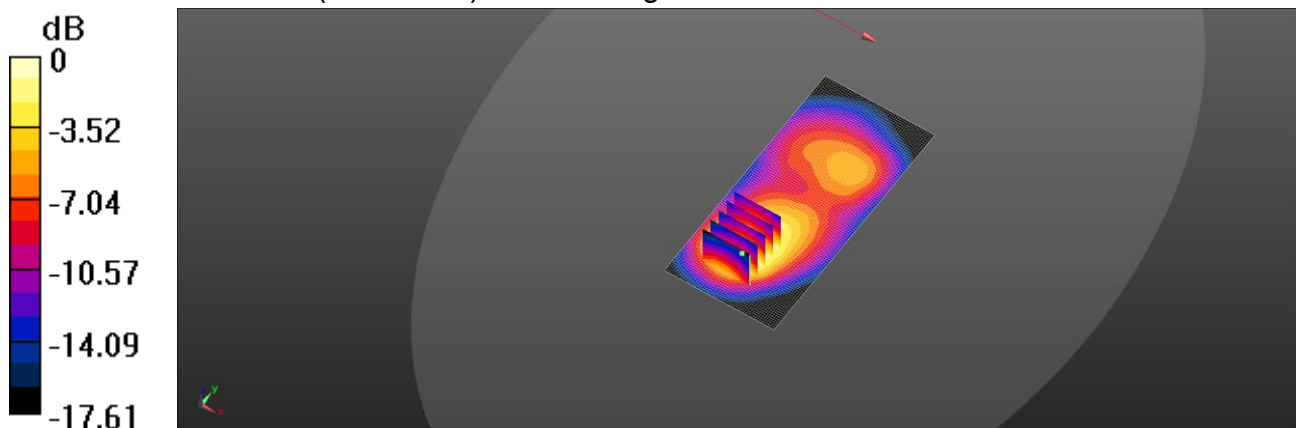
Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.627 W/kg

Smallest distance from peaks to all points 3 dB below = 13.8 mm

Ratio of SAR at M2 to SAR at M1 = 60.9%

Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

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Date: 2025/11/18

ID: 027

Report No. :TESA2411000771EN

NR n66 (20MHz)_Body_Front Surface_CH 354000_Pi/2 BPSK_1-104_5mm

Communication System: 5G NR(20MHz,Pi/2 BPSK, 15kHz); Frequency: 1770 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1770 \text{ MHz}$; $\sigma = 1.373 \text{ S/m}$; $\epsilon_r = 41.159$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.72, 8.2, 8.13) @ 1770 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

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

Reference Value = 3.104 V/m; Power Drift = -0.06 dB

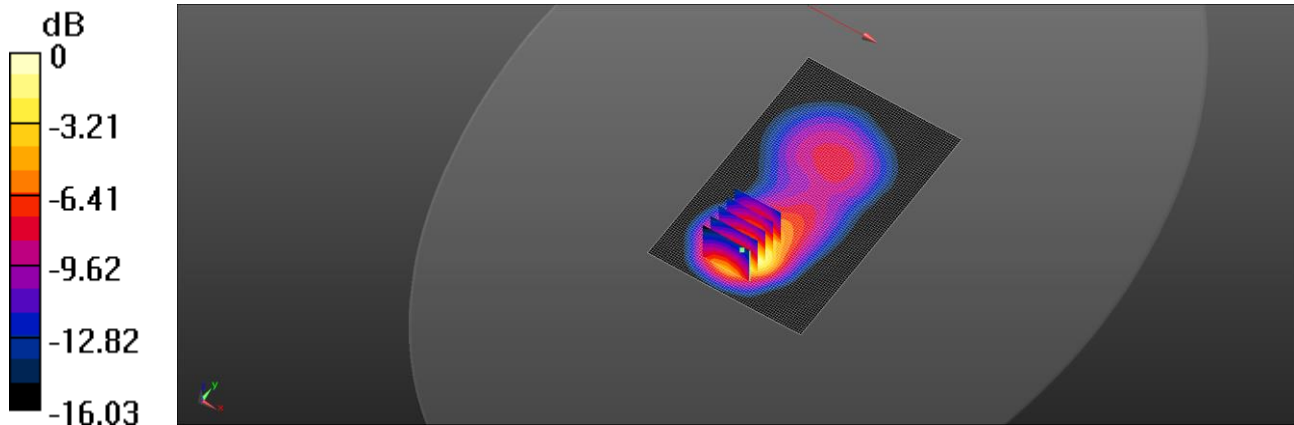
Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.595 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 59.5%

Maximum value of SAR (measured) = 0.946 W/kg



0 dB = 0.946 W/kg = -0.24 dBW/kg

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Date: 2025/11/15

ID: 028

Report No. :TESA2411000771EN

NR n71 (20MHz)_Body_Right Edge_CH 137600_Pi/2 BPSK_1-1_5mm

Communication System: 5G NR(20MHz,Pi/2 BPSK, 15kHz); Frequency: 688 MHz; Duty cycle= 1:1

Medium parameters used: $f = 688 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 43.374$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.83, 10.18, 10.1) @ 688 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.870 W/kg

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

Reference Value = 4.402 V/m; Power Drift = 0.11 dB

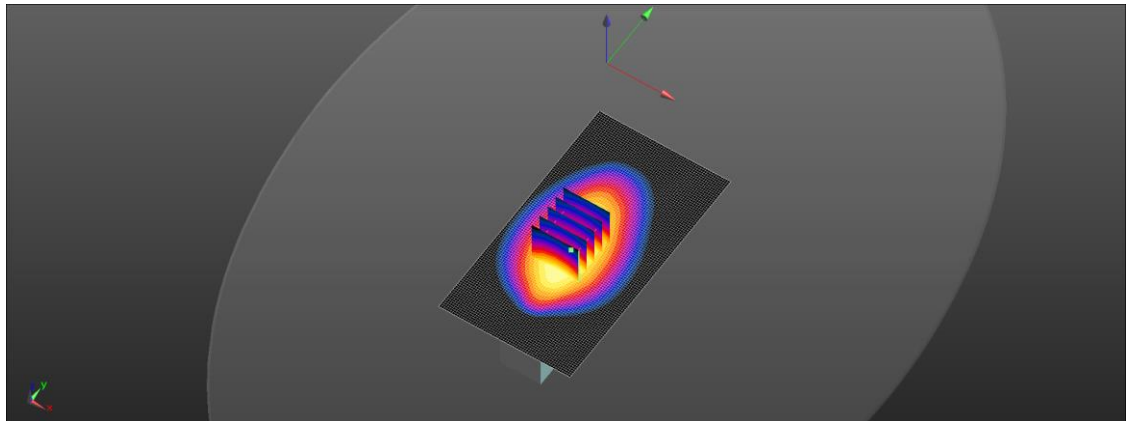
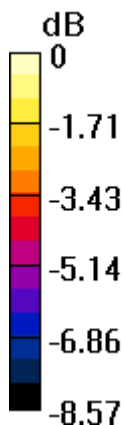
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.495 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.3%

Maximum value of SAR (measured) = 0.874 W/kg



0 dB = 0.874 W/kg = -0.58 dBW/kg

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Date: 2025/11/24

ID: 029

Report No. :TESA2411000771EN

NR n77 (100MHz)_Body_Front Surface_CH 656000_Pi/2 BPSK_1-1_5mm

Communication System: 5G NR(100 MHz, Pi/2 BPSK, 30KHz; Frequency: 3840 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3840 \text{ MHz}$; $\sigma = 3.346 \text{ S/m}$; $\epsilon_r = 38.631$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7, 6.58, 6.53) @ 3840 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.770 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.341 V/m; Power Drift = 0.15 dB

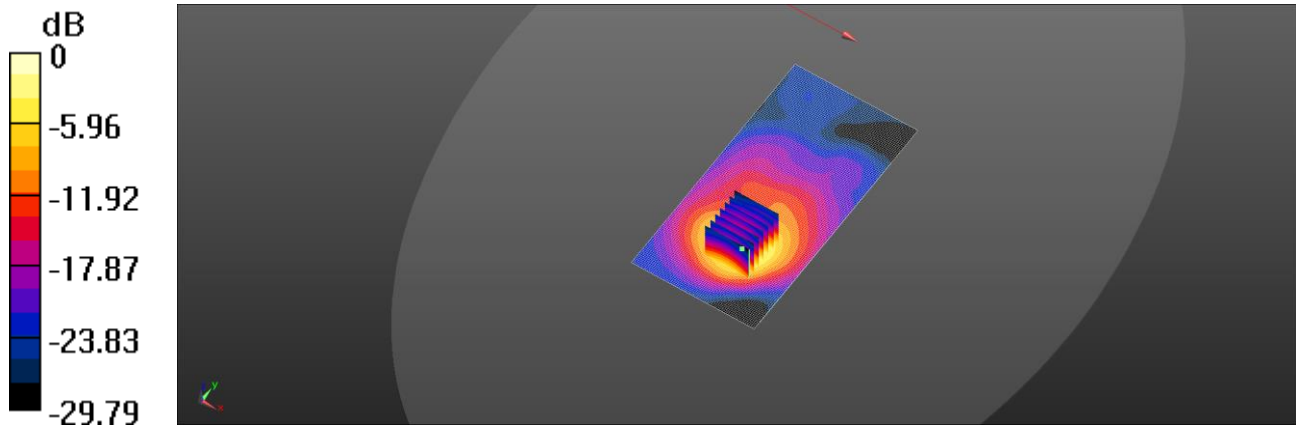
Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.377 W/kg

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 44.1%

Maximum value of SAR (measured) = 0.740 W/kg



0 dB = 0.740 W/kg = -1.31 dBW/kg

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Date: 2025/11/23

ID: 030

Report No. :TESA2411000771EN

NR n77 & N78 (100MHz)_Body_Front Surface_CH 633333_Pi/2 BPSK_1-1_5mm

Communication System: 5G NR(100 MHz, Pi/2 BPSK, 30KHz; Frequency: 3499.995 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3499.995$ MHz; $\sigma = 2.976$ S/m; $\epsilon_r = 38.984$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.25, 6.82, 6.77) @ 3499.995 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.12 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 3.659 V/m; Power Drift = 0.18 dB

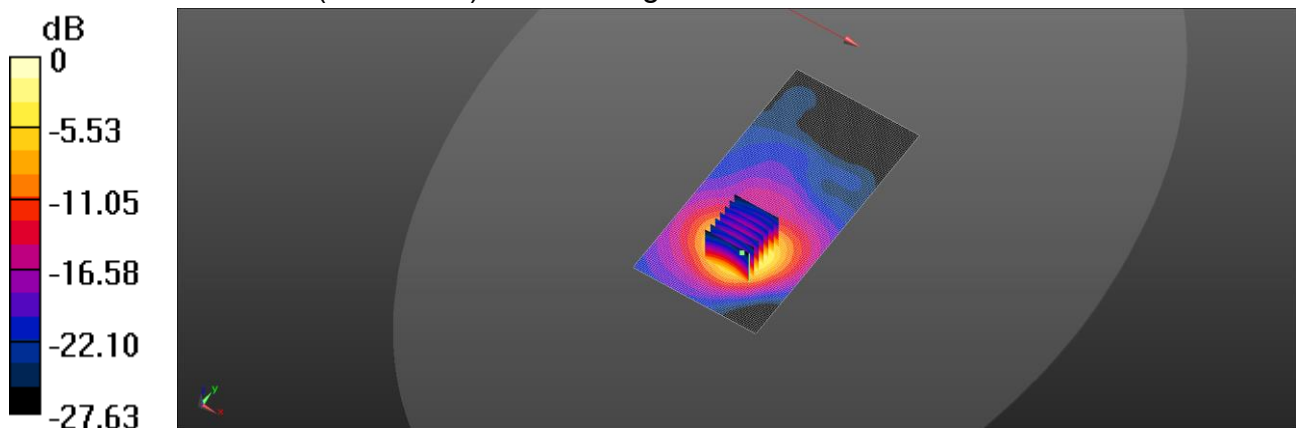
Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.894 W/kg; SAR(10 g) = 0.549 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 46.5%

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

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10 SAR SYSTEM CHECK RESULTS

Date: 2025/11/15

Report No. :TESA2411000771EN

Dipole 750 MHz_SN:1015

Communication System: CW; Frequency: 750 MHz; Duty cycle= 1:1

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.919 \text{ S/m}$; $\epsilon_r = 43.036$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.83, 10.18, 10.1) @ 750 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x141x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.72 W/kg

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

Reference Value = 54.74 V/m; Power Drift = 0.04 dB

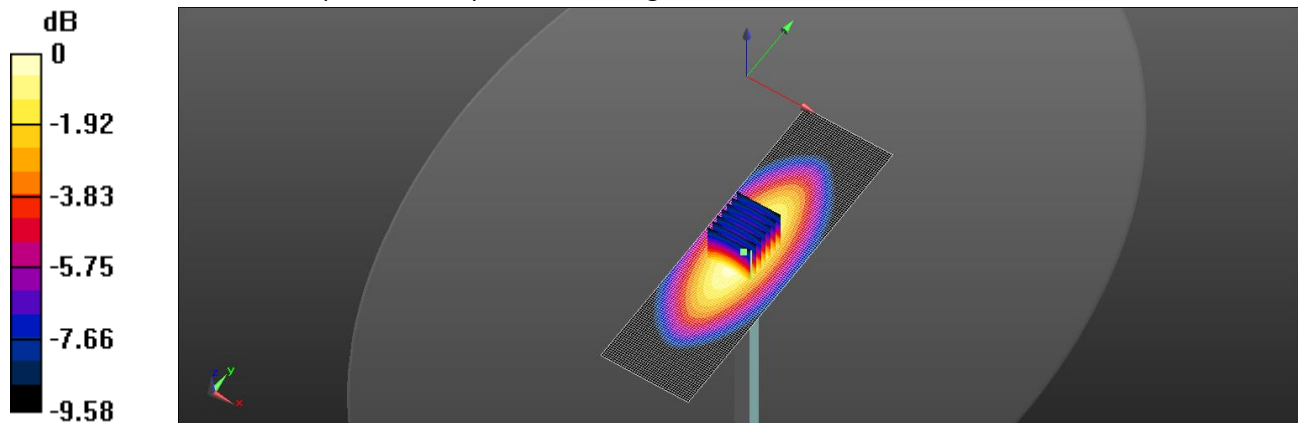
Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 2.2 W/kg; SAR(10 g) = 1.47 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 68%

Maximum value of SAR (measured) = 2.74 W/kg



0 dB = 2.74 W/kg = 4.38 dBW/kg

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Date: 2025/11/1

Report No. :TESA2411000771EN**Dipole 750 MHz_SN:1015**

Communication System: CW; Frequency: 750 MHz; Duty cycle= 1:1

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.913 \text{ S/m}$; $\epsilon_r = 43.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

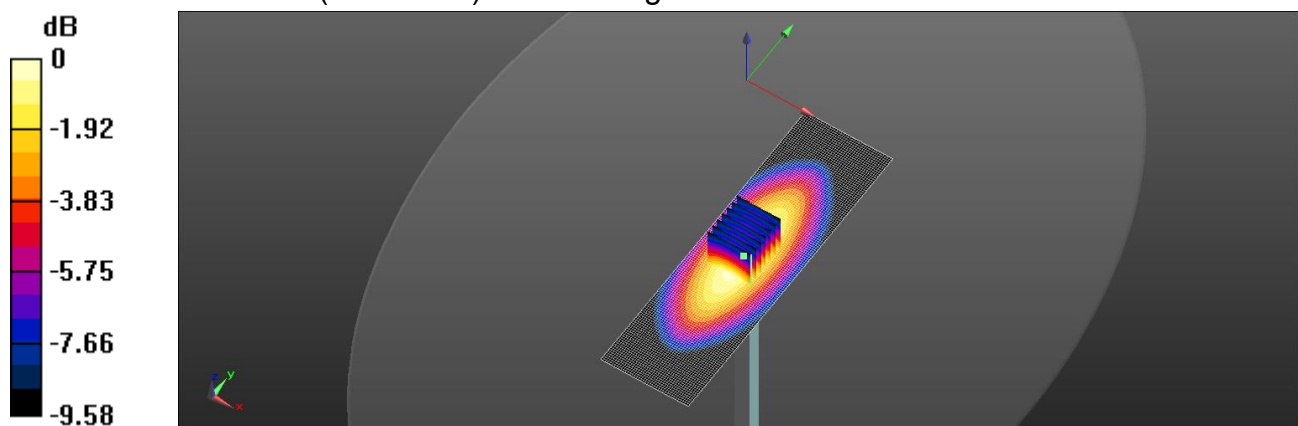
Ambient temperature: 21.8°C ; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.83, 10.18, 10.1) @ 750 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x141x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$ Maximum value of SAR (interpolated) = 2.81 W/kg **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 56.13 V/m ; Power Drift = 0.02 dB Peak SAR (extrapolated) = 3.24 W/kg **SAR(1 g) = 2.26 W/kg ; SAR(10 g) = 1.51 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.1% Maximum value of SAR (measured) = 2.83 W/kg  $0 \text{ dB} = 2.83 \text{ W/kg} = 4.52 \text{ dBW/kg}$

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Date: 2025/11/17

Report No. :TESA2411000771EN**Dipole 835 MHz_SN:4d063**

Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.878 \text{ S/m}$; $\epsilon_r = 42.68$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(10.55, 9.93, 9.85) @ 835 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x121x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.10 W/kg

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

Reference Value = 58.93 V/m; Power Drift = 0.02 dB

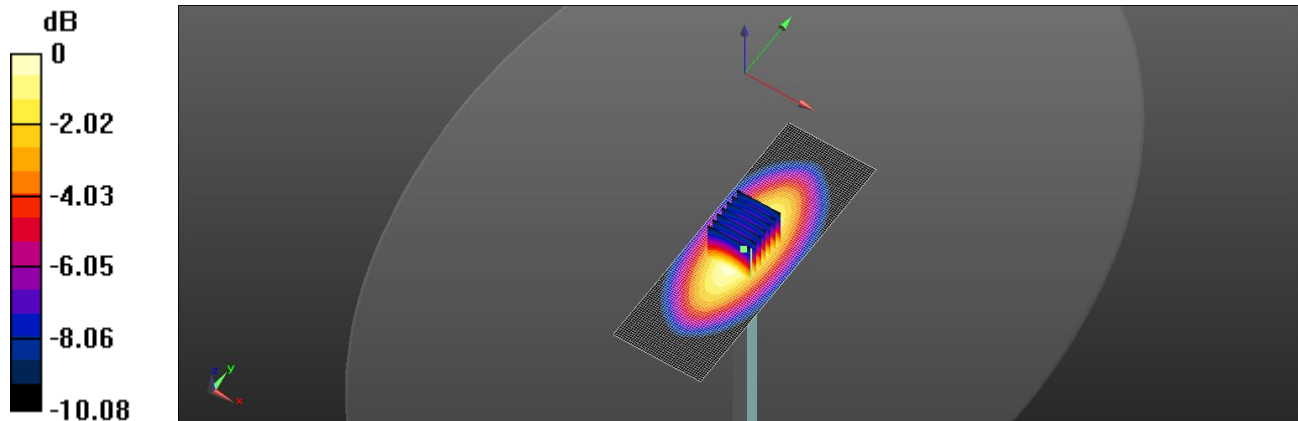
Peak SAR (extrapolated) = 3.55 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.62 W/kg

Smallest distance from peaks to all points 3 dB below = 22.2 mm

Ratio of SAR at M2 to SAR at M1 = 69.1%

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



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

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Date: 2025/11/18

Report No. :TESA2411000771EN**Dipole 1750 MHz_SN:1008**

Communication System: CW; Frequency: 1750 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.357 \text{ S/m}$; $\epsilon_r = 41.189$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.72, 8.2, 8.13) @ 1750 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 13.4 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 96.71 V/m; Power Drift = -0.03 dB

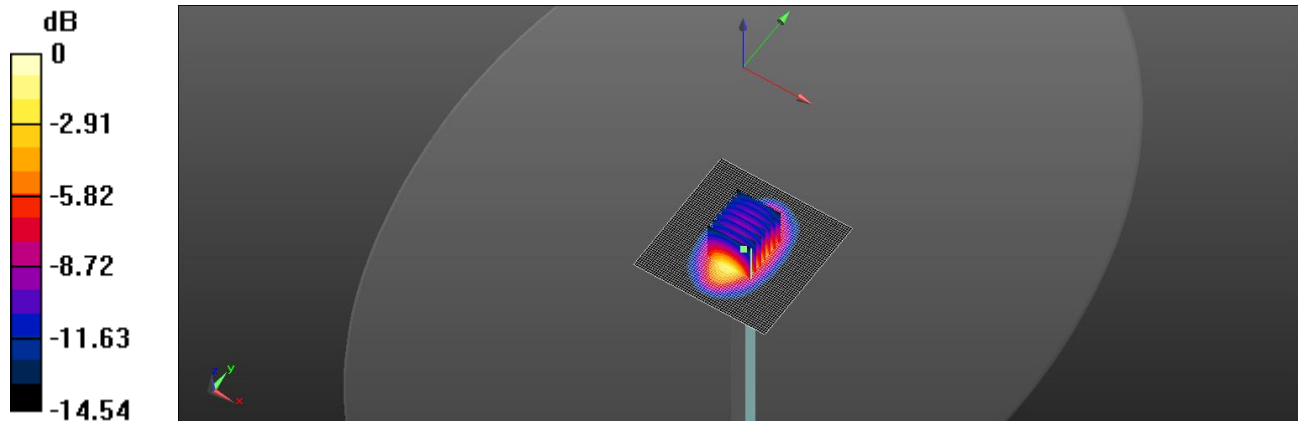
Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 9.59 W/kg; SAR(10 g) = 5.27 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 61.9%

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.27 dBW/kg

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Date: 2025/11/20

Report No. :TESA2411000771EN**Dipole 1900 MHz_SN:5d173**

Communication System: CW; Frequency: 1900 MHz; Duty cycle= 1:1

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.424 \text{ S/m}$; $\epsilon_r = 41.301$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(8.42, 7.92, 7.86) @ 1900 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 14.4 W/kg

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

Reference Value = 96.48 V/m; Power Drift = 0.02 dB

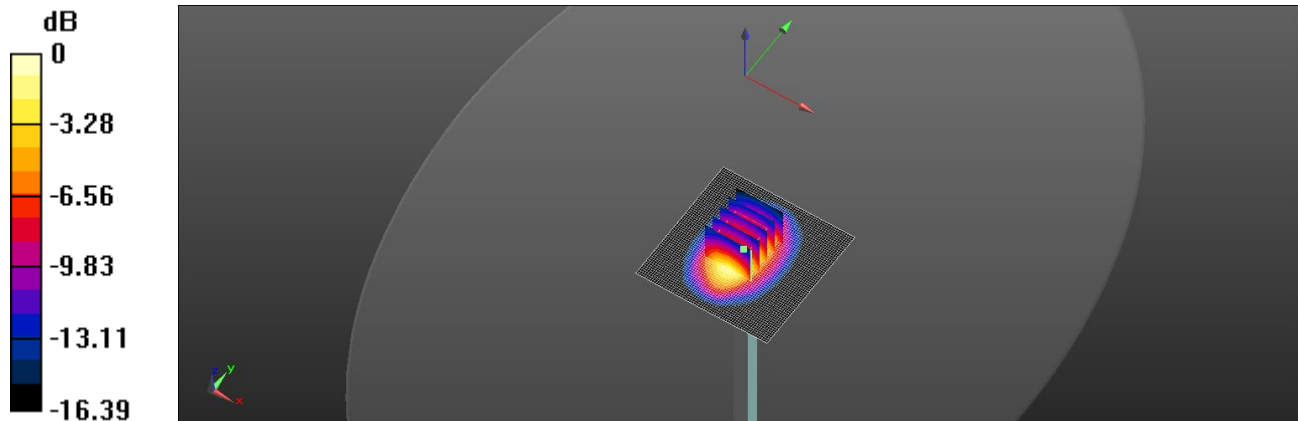
Peak SAR (extrapolated) = 18.1 W/kg

SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.6 W/kg

Smallest distance from peaks to all points 3 dB below = 11.1 mm

Ratio of SAR at M2 to SAR at M1 = 58.1%

Maximum value of SAR (measured) = 14.3 W/kg



0 dB = 14.3 W/kg = 11.55 dBW/kg

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Date: 2025/11/21

Report No. :TESA2411000771EN**Dipole 2600 MHz_SN:1005**

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.016$ S/m; $\epsilon_r = 40.345$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.61, 7.16, 7.1) @ 2600 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 22.0 W/kg

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

Reference Value = 103.9 V/m; Power Drift = 0.03 dB

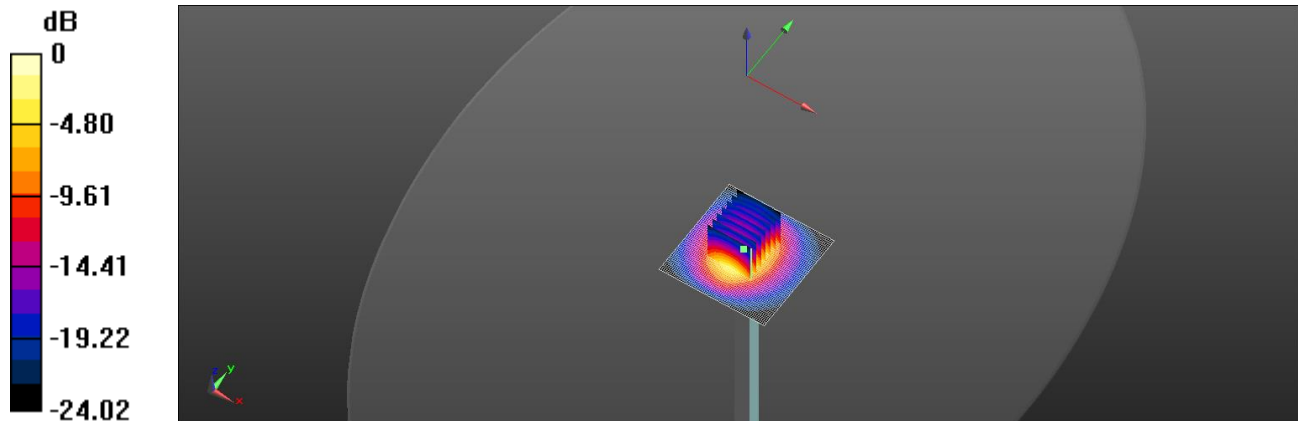
Peak SAR (extrapolated) = 29.8 W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.2 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 46.5%

Maximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.6 W/kg = 13.34 dBW/kg

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Date: 2025/11/21

Report No. :TESA2411000771EN**Dipole 2600 MHz_SN:1005**

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.036$ S/m; $\epsilon_r = 40.13$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.61, 7.16, 7.1) @ 2600 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 21.9 W/kg

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

Reference Value = 106.2 V/m; Power Drift = 0.03 dB

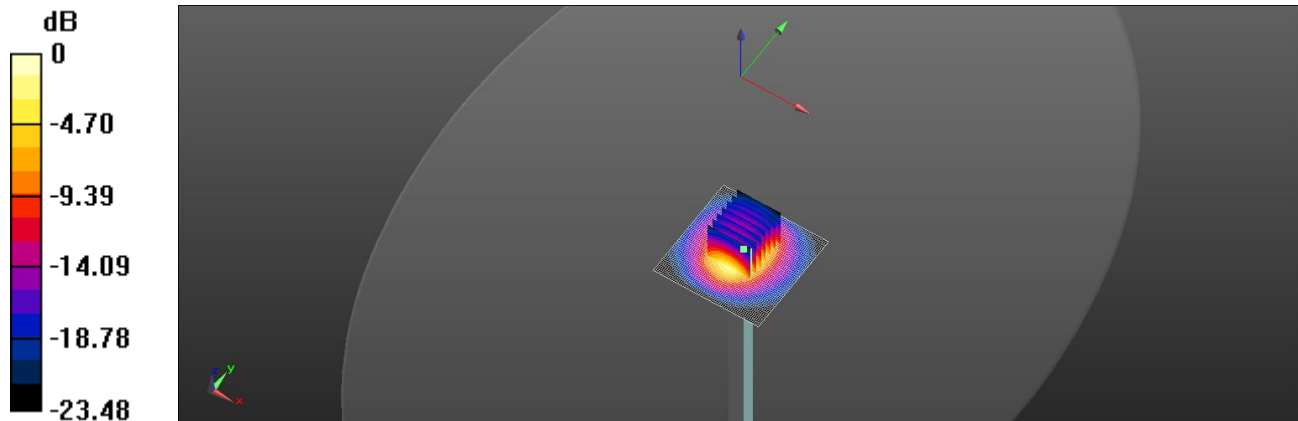
Peak SAR (extrapolated) = 28.8 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.19 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 47.9%

Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg = 13.20 dBW/kg

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Date: 2025/11/23

Report No. :TESA2411000771EN**Dipole 3500 MHz_SN:1067**

Communication System: CW; Frequency: 3500 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3500 \text{ MHz}$; $\sigma = 2.977 \text{ S/m}$; $\epsilon_r = 38.983$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.25, 6.82, 6.77) @ 3500 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 11.0 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 61.23 V/m; Power Drift = -0.07 dB

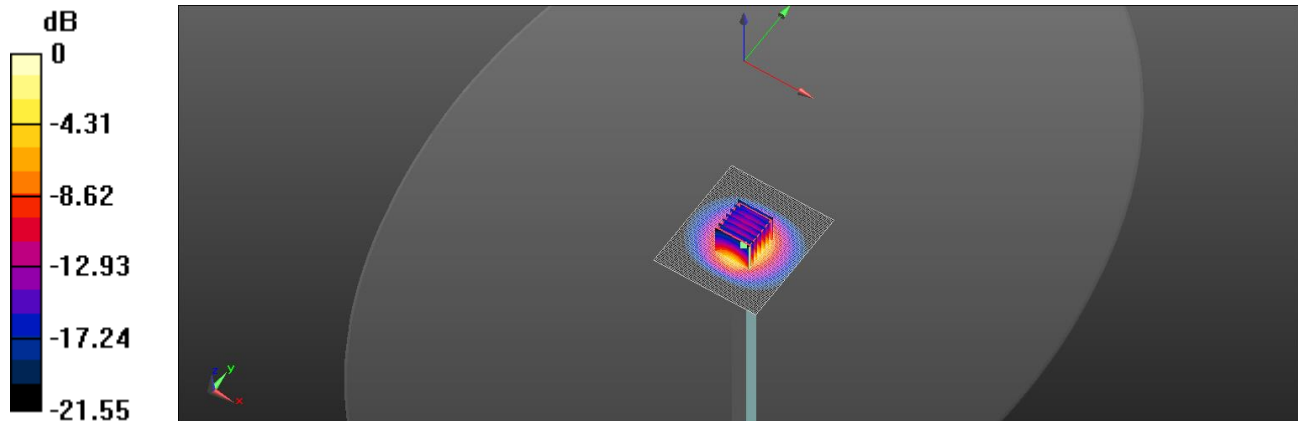
Peak SAR (extrapolated) = 15.0 W/kg

SAR(1 g) = 6.44 W/kg; SAR(10 g) = 2.52 W/kg

Smallest distance from peaks to all points 3 dB below = 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 71.9%

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg

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Date: 2025/11/24

Report No. :TESA2411000771EN**Dipole 3700 MHz_SN:1074**

Communication System: CW; Frequency: 3700 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3700 \text{ MHz}$; $\sigma = 3.195 \text{ S/m}$; $\epsilon_r = 38.781$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7.16, 6.73, 6.68) @ 3700 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 12.0 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 59.58 V/m; Power Drift = -0.02 dB

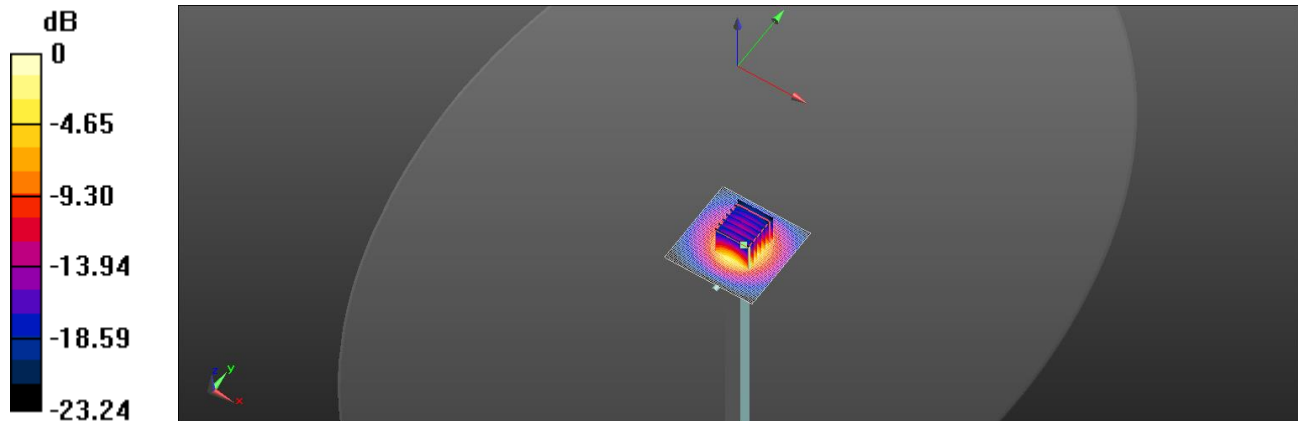
Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 6.79 W/kg; SAR(10 g) = 2.5 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 68.8%

Maximum value of SAR (measured) = 11.9 W/kg



0 dB = 11.9 W/kg = 10.76 dBW/kg

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Date: 2025/11/24

Report No. :TESA2411000771EN**Dipole 3900 MHz_SN:1014**

Communication System: CW; Frequency: 3900 MHz; Duty cycle= 1:1

Medium parameters used: $f = 3900$ MHz; $\sigma = 3.408$ S/m; $\epsilon_r = 38.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.8°CQ

DASY5 Configuration:

- Probe: EX3DV4 - SN7712; ConvF(7, 6.58, 6.53) @ 3900 MHz; Calibrated: 2025/3/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2025/3/27
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x71x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 12.0 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 59.45 V/m; Power Drift = 0.02 dB

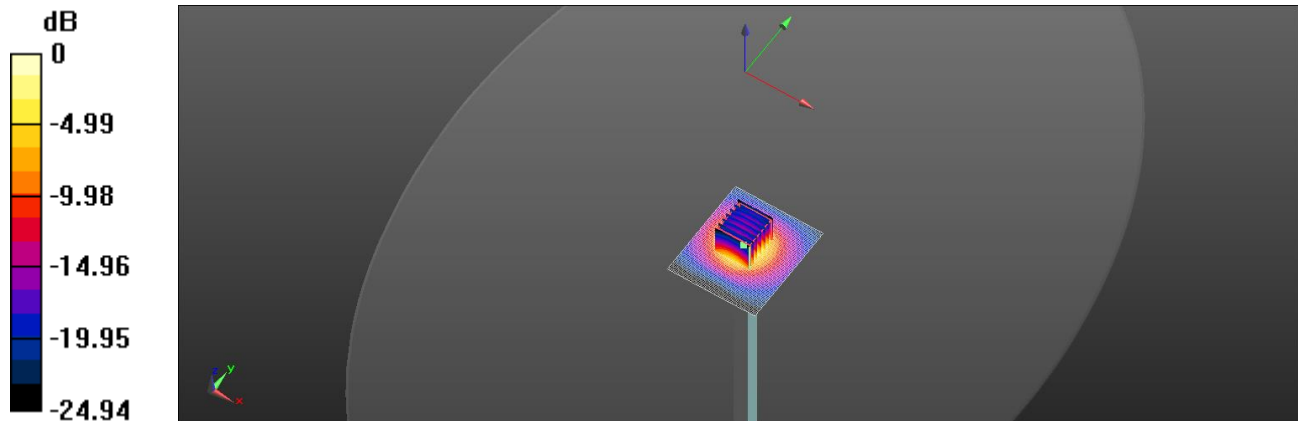
Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 6.5 W/kg; SAR(10 g) = 2.31 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 67%

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 11.6 W/kg = 10.64 dBW/kg

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11 APPENDIXES

Refer to separated files for the following appendixes.

11.1 SAR_Appendix A Photographs

11.2 SAR_Appendix B DAE & Probe Cal. Certificate

11.3 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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