REPORT No.: SZ22120264S01

TEST REPORT

APPLICANT	:	OnePlus Technology (Shenzhen) Co., Ltd.
PRODUCT NAME	:	Mobile Phone
MODEL NAME	:	CPH2513,CPH2515
BRAND NAME	:	ONEPLUS
FCC ID	:	2ABZ2-AA534
STANDARD(S)	:	FCC 47 CFR Part 2(2.1093) IEEE 1528-2013
RECEIPT DATE	:	2023-01-12
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Changed History		
Version	Date	Reason for Change
1.0	2023-03-16	First edition

1. SAR Results Summary

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

Frequency Band		Highest SAR Summary			
		Head (Gap 0mm)	Body-worn (Gap 10mm)	Hotspot (Gap 10mm)	Extremity (Gap 0mm)
		1g SAR (W/kg)			10g SAR (W/kg)
GSM	GSM850	0.739	0.449	0.449	N/A
	GSM1900	1.114	0.538	1.025	N/A
WCDMA	WCDMA II	0.770	0.554	1.065	N/A
	WCDMA IV	0.946	0.804	1.135	N/A
	WCDMA V	0.626	0.426	0.426	N/A
LTE	LTE Band 4	0.833	0.701	1.058	N/A
	LTE Band 5	0.684	0.453	0.453	N/A
	LTE Band 7	0.977	0.662	0.859	N/A
	LTE Band 12/17	0.577	0.341	0.341	N/A
	LTE Band 13	0.549	0.225	0.233	N/A
	LTE Band 18	0.700	0.375	0.375	N/A
	LTE Band 25/2	0.773	0.576	1.171	N/A
	LTE Band 26	0.839	0.456	0.456	N/A
	LTE Band 38	0.725	0.390	0.447	N/A
	LTE Band 41	0.624	0.690	0.690	N/A
	LTE Band 48	1.007	0.682	0.682	N/A
	LTE Band 66	0.806	0.694	1.160	N/A
	LTE Band 71	0.745	0.288	0.393	N/A
5G NR	n2	0.861	0.566	1.085	N/A
	n5	0.897	0.428	0.428	N/A
	n12	0.546	0.287	0.287	N/A
	n25	0.940	0.555	0.931	N/A
	n41	0.812	0.584	0.584	N/A
	n66	0.937	0.705	0.937	N/A
	n71	0.772	0.252	0.252	N/A
	n77	1.179	0.683	1.089	N/A
	n78	1.162	0.684	1.007	N/A
WLAN	2.4GHz WLAN	0.984	0.731	0.731	N/A
	5GHz WLAN	1.142	1.066	1.066	0.730

2.4GHz Band	Bluetooth	0.622	0.154	0.154	N/A

Highest Simultaneous Transmission SAR_{1g} (W/Kg):	1.493 W/kg	Limit(W/kg): 1.6 W/kg

Note:

1. This device is in compliance with Specific Absorption Rate (SAR) for general population or uncontrolled exposure limits (1.6W/kg as averaged over any 1 gram of tissue; specified in FCC 47 CFR Part 1 (1.1310) and ANSI/IEEE C95.1-1992), and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.
2. For FDD-LTE Band 2/17 is full covered by FDD-LTE Band 25/12, therefore only FDD-LTE Band 25/12 was tested.
3. When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

2. Technical Information

Note: Provide by applicant.

2.1. Applicant and Manufacturer Information

Applicant:	OnePlus Technology (Shenzhen) Co., Ltd.
Applicant Address:	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China
Manufacturer:	OnePlus Technology (Shenzhen) Co., Ltd.
Manufacturer Address:	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

2.2. Equipment under Test (EUT) Description

Product Name:	Mobile Phone
EUT IMEI:	869320060047596 869320060046531 869320060046549 869320060046200
Hardware Version:	11
Software Version:	OxygenOS 13.1
Frequency Bands:	GSM 850: 824 MHz ~ 849 MHz GSM 1900: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 18: 815 MHz ~ 830 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 38: 2570 MHz ~ 2620 MHz

	LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2: 1850 MHz ~ 1910 MHz 5G NR n5: 824 MHz ~ 849 MHz 5G NR n12: 699 MHz ~ 716 MHz 5G NR n25: 1850 MHz ~ 1915 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66: 1710 MHz ~ 1780 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77: 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3980 MHz 5G NR n78: 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3800 MHz WLAN 2.4GHz: 2412 MHz ~ 2462 MHz WLAN 5.2GHz: 5180 MHz ~ 5240 MHz WLAN 5.3GHz: 5260 MHz ~ 5320 MHz WLAN 5.5GHz: 5500 MHz ~ 5720 MHz WLAN 5.8GHz: 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC: 13.56 MHz
Modulation Mode:	GSM/GPRS: GMSK EDGE: 8PSK WCDMA: QPSK, 16QAM LTE: QPSK, 16QAM, 64QAM 5G NR: DFT-s-OFDM/CP-OFDM, PI/2 BPSK QPSK, 16QAM, 64QAM, 256QAM 802.11b: DSSS 802.11a/g/n-HT20/HT40/ac-VHT20/40/80: OFDM BR+EDR: GFSK(1Mbps), π/4-DQPSK(2Mbps), 8-DPSK(3Mbps) Bluetooth LE: GFSK(1Mbps, 2Mbps) NFC: ASK
Multi-slot Class:	GPRS: Multi-slot Class 12 EDGE: Multi-slot Class 12
Operation Class:	Class B
Carrier Aggregation:	Uplink & Downlink
VoLTE Mode:	Support
VoWi-Fi Mode:	Support
Hotspot Mode:	Support (5G WLAN only for B1 & B4)
Antenna Type:	WWAN: Fixed Internal Antenna WLAN: Inverted F Antenna Bluetooth: Inverted F Antenna

	NFC: Loop Antenna	
SIM Cards Description:	SIM 1	GSM+WCDMA +LTE+5G NR
	SIM 2	GSM+WCDMA +LTE+5G NR

2.3. Accessories Information

Battery Type 1:	Manufacturer:	Dongguan NVT Technology Co., Ltd.
	Brand Name:	SUPERVOOC
	Model:	BLP989
	Capacity:	Typical: 5000mAh, Rated: 4880mAh
	Rated Voltage:	3.89V
Battery Type 2:	Manufacturer:	SUNWODA Electronic Co., Ltd.
	Brand Name:	SUPERVOOC
	Model:	BLP989
	Capacity:	Typical: 5000mAh, Rated: 4880mAh
	Rated Voltage:	3.89V

Note:

1. There are two models CPH2513 (dual SIM) and CPH2515 (single SIM) in this report, they are different from the model name and SIM card slot. Therefore, the model of CPH2515 (single SIM) for the main test model and another will be used to verifying the worst case at the head or body.
2. For more detailed description, please refer to specification or user manual supplied by the applicant and/or manufacturer.

2.4. Environment of Test Site/Conditions

Normal Temperature (NT):	20-25 °C
Relative Humidity:	30-75 %
Air Pressure:	980-1020 hPa

Test Frequency:	GSM 850MHz/1900MHz WCDMA Band II/IV/V FDD-LTE Band 2/4/5/7/12/13/17/18/25/26/66/71 TDD-LTE Band 38/41/48 5G NR n2/5/12/25/41/66/71/77/78 WLAN 2.4GHz WLAN 5GHz Bluetooth
Operation Mode:	Call established
Power Level:	GSM 850 MHz Maximum output power(level 5) GSM 1900MHz Maximum output power(level 0) WCDMA Band II/IV/V (All Up Bits) FDD-LTE Band 2/4/5/7/12/13/17/18/25/26/66/71 (Maximum output power) TDD-LTE Band 38/41/48 (Maximum output power) 5G NR n2/5/12/25/41/66/71/77/78(Maximum output power) WLAN 2.4GHz/WLAN 5GHz/Bluetooth Refers to annex E in this report

During SAR test, EUT is in Traffic Mode (Channel Allocated) at Normal Voltage Condition. A communication link is set up with a System Simulator (SS) by air link, and a call is established.

The EUT shall use its internal transmitter. The antenna(s), battery and accessories shall be those specified by the Factory. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power output. If a wireless link is used, the antenna connected to the output of the base station simulator shall be placed at least 50 cm away from the handset.
The signal transmitted by the simulator to the antenna feeding point shall be lower than the output power level of the handset by at least 35 dB.

3. Specific Absorption Rate (SAR)

3.1. Introduction

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

3.2. SAR Definition

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

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

SAR is expressed in units of Watts per kilogram (W/kg).
SAR measurement can be either related to the temperature elevation in tissue by,

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

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

$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}|\mathbf{E}|^2}{\boldsymbol{\rho}}$$

Where σ is the conductivity of the tissue, ρ is the mass density of the tissue and $|E|$ is the rmselectrical field strength.

However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

4. RF Exposure Limits

4.1. Uncontrolled Environment

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

4.2. Controlled Environment

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

Limits for General Population/Uncontrolled Exposure (W/kg)

Type Exposure	Uncontrolled Environment Limit
Spatial Peak SAR (1g cube tissue for head and trunk)	1.6 W/kg
Spatial Peak SAR (10g cube tissue for limbs)	4.0 W/kg
Spatial Peak SAR (1g cube tissue for whole body)	0.08 W/kg

Note:

1. Occupational/Uncontrolled Environments are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure (i.e. as a result of employment or occupation).
2. Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

5. Applied Reference Documents

Leading reference documents for testing:

Identity	Document Title	Method Determination /Remark
FCC 47 CFR Part 2(2.1093)	Radio Frequency Radiation Exposure Evaluation: Portable Devices	No deviation
IEEE 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques	No deviation
KDB 447498 D01v06	General RF Exposure Guidance	No deviation
KDB 248227 D01v02r02	SAR Measurement Procedures for 802.11 Transmitters	No deviation
KDB 865664 D01v01r04	SAR Measurement 100 MHz to 6 GHz	No deviation
KDB 865664 D02v01r02	RF Exposure Reporting	No deviation
KDB 648474 D04v01r03	Handset SAR	No deviation
KDB 941225 D01v03r01	3G SAR MEAUREMENT PROCEDURES	No deviation
KDB 941225 D05v02r05	SAR Evaluation Consideration for LTE Devices	No deviation
KDB 941225 D06v02r01	SAR Evaluation Procedures For Portable Devices With Wireless Router Capabilities	No deviation
Note 1: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.		

6. SAR Measurement System

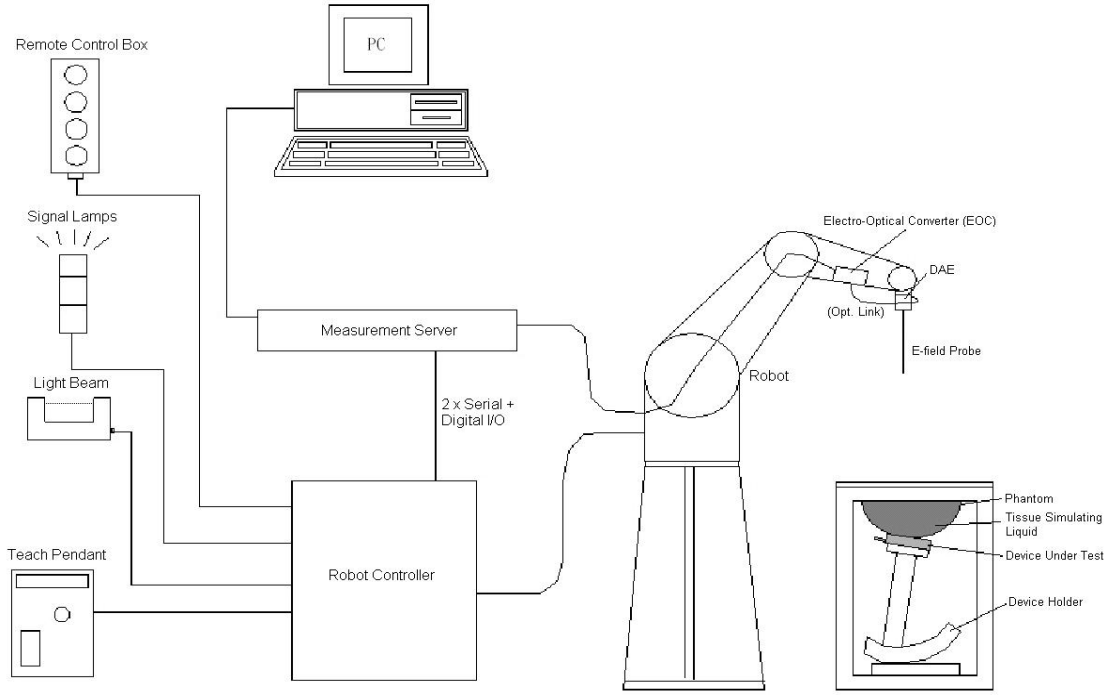


Fig 6.1 SPEAG DASY System Configurations

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

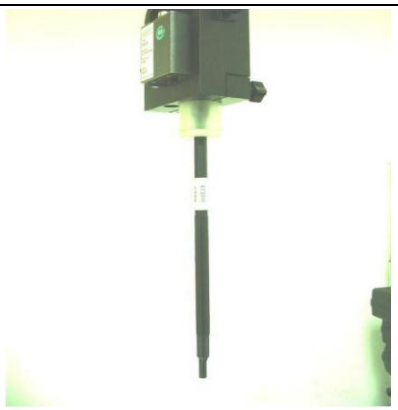
- A standard high precision 6-axis robot with controller, a teach pendant and software.
- A data acquisition electronic (DAE) attached to the robot arm extension.
- A dosimetric probe equipped with an optical surface detector system.
- The electro-optical converter (ECO) performs the conversion between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

6.1. E-Field Probe

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

➢ **E-Field Probe Specification**

<ES3DV3 Probe>

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	 **Fig 6.2 Photo of ES3DV3**
Frequency	10 MHz to 3 GHz; Linearity: ± 0.2 dB	
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.4 dB in HSL (rotation normal to probe axis)	
Dynamic Range	5 μW/g to 100 mW/g; Linearity: ± 0.2 dB	
Dimensions	Overall length: 330 mm (Tip: 16 mm) Tip diameter: 6.8 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.7 mm	

<EX3DV4 Probe>

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	 **Fig 6.3 Photo of EX3DV4**
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB	
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	
Dimensions	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

➢ **E-Field Probe Calibration**

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

6.2. Data Acquisition Electronics (DAE)

The data acquisition electronics(DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast16 bit AD-converter and a command decoder and control logic unit. AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock. The input impedance of the DAE is 200MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

Fig 6.4 Photo of DAE

6.3. Robot

The SPEAG DASY system uses the high precision robots (DASY4: RX90BL; DASY5: TX90XL) type from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY4: CS7MB; DASY5: CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

High precision (repeatability ±0.035 mm)

High reliability (industrial design)

Jerk-free straight movements

Low ELF interference (the closed metallic construction shields against motor control fields)

Fig 6.5 Photo of DASY5

6.4. Measurement Server

The measurement server is based on a PC/104 CPU board with CPU (DASY4: 166 MHz, Intel Pentium; DASY5: 400 MHz, Intel Celeron), chip disk (DASY4: 32 MB; DASY5: 128 MB), RAM (DASY4: 64 MB, DASY5: 128 MB). The necessary circuits for communication with the DAE electronic box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY I/O board, which is directly connected to the PC/104 bus of the CPU board. The measurement server performs all the real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operations.

Fig 6.6 Photo of Server for DASY5

6.5. Light Beam Unit

The light beam switch allows automatic "tooling" of the probe. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip.

The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.

Fig. 6.7 Photo of Light Beam

6.6. Phantom

<SAM Twin Phantom>

Shell Thickness	2 ± 0.2 mm (sagging: <1%) Center ear point: 6 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet
Measurement Areas	Left Head, Right Head, Flat Phantom

Fig. 6.8 Photo of SAM Phantom

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

6.7. Device Holder

<Device Holder for SAM Twin Phantom>

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.

The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (EPR). Thus the device needs no repositioning when changing the angles.

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

<Laptop Extension Kit>

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the mounting device in place of the phone positioned. The extension is fully compatible with the SAM Twin and ELI phantoms.

Fig 6.9 Device Holder

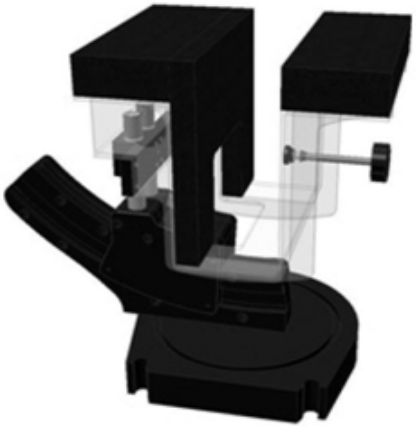


Fig 6.10 Laptop Extension Kit

6.8. Data Storage and Evaluation

➢ **Data Storage**

The DASY software stores the assessed data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all the necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files. The post-processing software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of erroneous parameter settings. For example, if a measurement has been performed with an incorrect crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be reevaluated.
The measured data can be visualized or exported in different units or formats, depending on the selected probe type (e.g., [V/m], [A/m], [mW/g]). Some of these units are not available in certain situations or give meaningless results, e.g., a SAR-output in a non-lose media, will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

➢ **Data Evaluation**

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

Probe parameters:	- Sensitivity	$Norm_i$, a_{i0}, a_{i1}, a_{i2}
	- Conversion factor	$ConvF_i$
	- Diode compression point	dcpi
Device parameters:	- Frequency	f
	- Crest factor	cf
Media parameters:	- Conductivity	σ
	- Density	ρ

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

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the

exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power.

The formula for each channel can be given as:

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

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

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

E-field Probes: $E_i = \sqrt{\frac{V_i}{Norm_i \times ConvF}}$

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

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

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

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

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

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

with SAR = local specific absorption rate in mW/g
E_{tot} = total field strength in V/m
σ = conductivity in [mho/m] or [Siemens/m]
ρ = equivalent tissue density in g/cm^3

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

6.9. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial No./ SW Version	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	1223	2022.08.22	2025.08.21
SPEAG	900MHz System Validation Kit	D900V2	1d064	2021.12.17	2024.12.16
SPEAG	1800MHz System Validation Kit	D1800V2	2d158	2021.12.17	2024.12.16
SPEAG	2000MHz System Validation Kit	D2000V2	1050	2021.12.18	2024.12.17
SPEAG	2450MHz System Validation Kit	D2450V2	805	2021.12.17	2024.12.16
SPEAG	2600MHz System Validation Kit	D2600V2	1198	2022.08.17	2025.08.16
SPEAG	3500MHz System Validation Kit	D3500V2	1104	2020.06.03	2023.06.02
SPEAG	3700MHz System Validation Kit	D3700V2	1076	2020.06.03	2023.06.02
SPEAG	3900MHz System Validation Kit	D3900V2	1046	2020.06.02	2023.06.01
SPEAG	5000MHz System Validation Kit	D5GHzV2	1176	2021.12.19	2024.12.18
SPEAG	DOSIMETRIC ASSESSMENT SYSTEM	DASY52	52.10.4.1527	NCR	NCR
SPEAG	Dosimetric E-Field Probe	EX3DV4	7624	2022.03.31	2023.03.30
SPEAG	Data Acquisition Electronics	DAE4	480	2022.06.22	2023.06.21
SPEAG	SAM Twin Phantom 2	QD 000 P40 CB	TP-1464	NCR	NCR
SPEAG	Phone Positioner	N/A	N/A	NCR	NCR
R&S	Network Emulator	CMW500	165755	2023.02.09	2024.02.08
Anritsu	Network Emulator	MT8820C	6200985414	2022.10.11	2023.10.10
Anritsu	Network Emulator	MT8821C	6261830572	2022.02.14	2023.02.13
Anritsu	Network Emulator	MT8821C	6261830572	2023.02.09	2024.02.08
Agilent	Network Analyzer	E5071B	MY42404762	2022.03.01	2023.02.28
Speag	Dielectric Assessment KIT	DAK-3.5	1279	2022.09.17	2023.09.16
mini-circuits	Amplifier	ZHL-42W+	608501717	NCR	NCR
mini-circuits	Amplifier	ZVE-8G+	754401735	NCR	NCR
Agilent	Signal Generator	N5182B	MY53050509	2022.11.30	2023.11.29
R&S	Power Senor	NRP8S	103215	2022.01.25	2023.01.24
R&S	Power Senor	NRP8S	103215	2023.02.09	2024.02.08
Agilent	Power Meter	E4416A	MY45102093	2022.10.11	2023.10.10
R&S	Power Sensor	NRP8S	103240	2022.02.14	2023.02.13
R&S	Power Sensor	NRP8S	103240	2023.02.09	2024.02.08
Anritsu	Power Meter	E4418B	GB43318055	2022.08.30	2023.08.29

Agilent	Dual Directional Coupler	778D	50422	NA	NA
MCL	Attenuation	351-218-010	N/A	NA	NA
R&S	Spectrum Analyzer	N9030A	MY54170556	2022.10.10	2023.10.09
KTJ	Thermo meter	TA298	N/A	2022.12.08	2023.12.07
SPEAG	Tissue Simulating Liquids	HBBL600-10000V6		24H	

Note:

1. The calibration certificate of DASY can be referred to appendix G of this report.
2. The Insertion Loss calibration of Dual Directional Coupler and Attenuator were characterized via the network analyzer and compensated during system check.
3. The dielectric probe kit was calibrated via the network analyzer, with the specified procedure (calibrated in pure water) and calibration kit (standard) short circuit, before the dielectric measurement. The specific procedure and calibration kit are provided by Speag.
4. In system check we need to monitor the level on the power meter, and adjust the power amplifier level to have precise power level to the dipole; the measured SAR will be normalized to 1W input power according to the ratio of1W to the input power to the dipole. For system check, the calibration of the power amplifier is deemed not critically required for correct measurement; the power meter is critical and we do have calibration for it.
5. Attenuator insertion loss is calibrated by the network Analyzer, which the calibration is valid, before system check.
6. N.C.R means No Calibration Requirement.

7. Tissue Simulating Liquids

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15cm.For head SAR testing, the liquid height from the ear reference point (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, which is shown in Fig. 7.1. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 7.2.Thenominaldielectricvaluesofthe tissue simulating liquids in the phantom and the tolerance of 5%are listed in below table.

Fig 7.1 Photo of Liquid Height for Head SAR

Fig 7.2 Photo of Liquid Height for Body SAR

The following table gives the recipes for tissue simulating liquids

Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity (σ)	Permittivity (εr)
Head								
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
1800,1900,2000	55.2	0	0	0.3	0	44.5	1.40	40.0
2450	55.0	0	0	0	0	45.0	1.80	39.2
2600	54.8	0	0	0.1	0	45.1	1.96	39.0
Body								
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
1800,1900,2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0	0	31.4	1.95	52.7
2600	68.1	0	0	0.1	0	31.8	2.16	52.5

Simulating Liquid for 5GHz, Manufactured by SPEAG.

Ingredients	(% by weight)
Water	64~78%
Mineral oil	11~18%
Emulsifiers	9~15%
Additives and Salt	2~3%

Note: Please refer to the validation results for dielectric parameters of each frequency band.
The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using a SPEAG Dielectric Assessment KIT and an Agilent Network Analyzer.

Table 1: Dielectric Performance of Tissue Simulating Liquid

Frequency (MHz)	Tissue Type	Liquid Temp.(℃)	Conductivity (σ)	Conductivity Target (σ)	Delta (σ) (%)	Limit (%)	Date
750	HSL	22.2	0.910	0.89	2.25	±5	2023.01.15
750	HSL	22.1	0.906	0.89	1.80	±5	2023.01.17
900	HSL	22.1	0.923	0.97	-4.85	±5	2023.01.10
900	HSL	22.1	0.926	0.97	-4.54	±5	2023.01.13
1800	HSL	22.3	1.365	1.40	-2.50	±5	2023.01.18
1800	HSL	22.1	1.370	1.40	-2.14	±5	2023.01.20
2000	HSL	22.2	1.416	1.40	1.14	±5	2023.01.16
2000	HSL	22.3	1.420	1.40	1.43	±5	2023.01.17
2450	HSL	22.2	1.810	1.80	0.56	±5	2023.01.29
2600	HSL	22.2	1.980	1.96	1.02	±5	2023.01.22
3500	HSL	22.3	3.015	2.91	3.61	±5	2023.02.01
3500	HSL	22.1	3.020	2.91	3.78	±5	2023.02.03
3700	HSL	22.4	2.965	3.05	-2.79	±5	2023.02.07
3700	HSL	22.3	2.970	3.05	-2.62	±5	2023.02.08
3900	HSL	22.2	3.191	3.15	1.30	±5	2023.02.11
3900	HSL	22.3	3.196	3.15	1.46	±5	2023.02.12
5250	HSL	22.1	4.790	4.71	1.70	±5	2023.02.15
5600	HSL	22.2	5.220	5.07	2.96	±5	2023.02.17
5750	HSL	22.1	5.210	5.22	-0.19	±5	2023.02.21
Frequency (MHz)	**Tissue Type**	**Liquid Temp.(℃)**	**Permittivity (εr)**	**Permittivity Target (εr)**	**Delta (εr) (%)**	**Limit (%)**	**Date**
750	HSL	22.2	42.256	41.90	0.85	±5	2023.01.15
750	HSL	22.1	42.252	41.90	0.84	±5	2023.01.17
900	HSL	22.1	41.520	41.50	0.05	±5	2023.01.10
900	HSL	22.1	41.526	41.50	0.06	±5	2023.01.13
1800	HSL	22.3	40.217	40.00	0.54	±5	2023.01.18
1800	HSL	22.1	40.221	40.00	0.55	±5	2023.01.20
2000	HSL	22.2	40.175	40.00	0.44	±5	2023.01.16
2000	HSL	22.3	40.179	40.00	0.45	±5	2023.01.17
2450	HSL	22.2	39.259	39.20	0.15	±5	2023.01.29

2600	HSL	22.2	39.077	39.00	0.20	±5	2023.01.22
3500	HSL	22.3	38.205	37.90	0.80	±5	2023.02.01
3500	HSL	22.1	38.210	37.90	0.82	±5	2023.02.03
3700	HSL	22.4	38.255	37.70	1.47	±5	2023.02.07
3700	HSL	22.3	38.260	37.70	1.49	±5	2023.02.08
3900	HSL	22.2	38.124	37.50	1.66	±5	2023.02.11
3900	HSL	22.3	38.114	37.50	1.64	±5	2023.02.12
5250	HSL	22.1	35.924	35.95	-0.07	±5	2023.02.15
5600	HSL	22.2	35.713	35.50	0.60	±5	2023.02.17
5750	HSL	22.1	35.247	35.35	-0.29	±5	2023.02.21

8. SAR System Verification

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

8.1. Purpose of System Performance Check

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

8.2. System Setup

The output power on dipole port must be calibrated to 24 dBm (250 mW) before dipole is connected. In the simplified setup for system evaluation, the DUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave which comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The system check verifies that the system operates within its specifications. It is performed daily or before every SAR

measurement. The system check uses normal SAR measurements in the flat section of the phantom with a matched dipole at a specified distance. The system verification setup is shown as below.

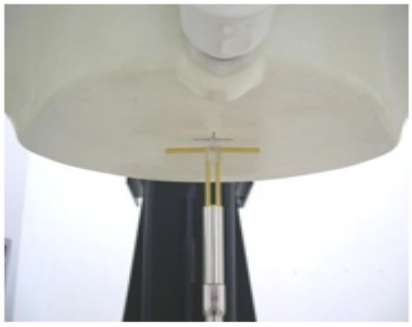


Fig 8.1 Photo of Dipole Setup

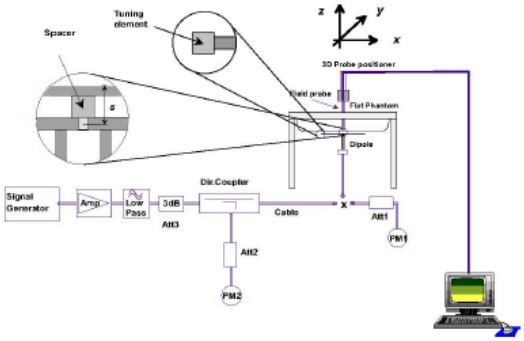


Fig 8.2 System Setup for System Evaluation

8.3. Validation Results

After system check testing, the SAR result will be normalized to 1W forward input power and compared with the reference SAR value derived from validation dipole certificate report. The deviation of system check should be within 10%.

<Validation Setup>

Frequency (MHz)	Tissue Type	Input Power(mW)	Dipole S/N	Probe S/N	DAE S/N
750	HSL	250	D750V3-1223	7624	480
900	HSL	250	D900V2-1d064	7624	480
1800	HSL	250	D1800V2-2d158	7624	480
2000	HSL	250	D2000V2-1050	7624	480
2450	HSL	250	D2450V2-805	7624	480
2600	HSL	250	D2600V2-1198	7624	480
3500	HSL	100	D3500V2-1104	7624	480
3700	HSL	100	D3700V2-1076	7624	480
3900	HSL	100	D3900V2-1176	7624	480
5250	HSL	100	D5GHzV2-1176-5250	7624	480
5600	HSL	100	D5GHzV2-1176-5600	7624	480
5750	HSL	100	D5GHzV2-1176-5750	7624	480

<System Validation>

Frequency (MHz)	Tissue Type	Conductivity (σ)	Permittivity (εr)	CW Signal Validation		
				Sensitivity	Probe Linearity	Probe Isotropy
750	HSL	0.851	42.43	PASS	PASS	PASS
835	HSL	0.898	41.88	PASS	PASS	PASS
1750	HSL	1.386	39.91	PASS	PASS	PASS
1800	HSL	1.449	41.26	PASS	PASS	PASS
1900	HSL	1.435	39.65	PASS	PASS	PASS
2000	HSL	1.451	39.42	PASS	PASS	PASS
2300	HSL	1.764	38.99	PASS	PASS	PASS
2450	HSL	1.863	38.85	PASS	PASS	PASS
2600	HSL	1.973	38.58	PASS	PASS	PASS
3400	HSL	2.88	38.10	PASS	PASS	PASS
3500	HSL	2.91	37.90	PASS	PASS	PASS
3700	HSL	3.05	37.70	PASS	PASS	PASS
3900	HSL	3.15	37.50	PASS	PASS	PASS
4100	HSL	3.25	37.20	PASS	PASS	PASS
4200	HSL	3.34	37.00	PASS	PASS	PASS
4400	HSL	3.58	36.70	PASS	PASS	PASS
4600	HSL	3.70	36.60	PASS	PASS	PASS
4800	HSL	3.82	36.40	PASS	PASS	PASS
4900	HSL	3.96	36.20	PASS	PASS	PASS
5250	HSL	4.528	35.32	PASS	PASS	PASS
5600	HSL	4.905	34.89	PASS	PASS	PASS
5750	HSL	5.077	34.28	PASS	PASS	PASS

Frequency (MHz)	Tissue Type	Conductivity (σ)	Permittivity (εr)	Modulation Signal Validation		
				Mod. Type	Duty Factor	PAR
750	HSL	0.851	42.43	N/A	N/A	N/A
835	HSL	0.898	41.88	GMSK	PASS	N/A
1750	HSL	1.386	39.91	N/A	N/A	N/A
1800	HSL	1.449	41.26	N/A	N/A	N/A
1900	HSL	1.435	39.65	GMSK	PASS	N/A
2000	HSL	1.451	39.42	GMSK	PASS	N/A
2300	HSL	1.764	38.99	OFDM	PASS	PASS
2450	HSL	1.863	38.85	OFDM	PASS	PASS

2600	HSL	1.973	38.58	TDD	PASS	N/A
3400	HSL	2.88	38.10	OFDM	PASS	PASS
3500	HSL	2.91	37.90	OFDM	PASS	PASS
3700	HSL	3.05	37.70	OFDM	PASS	PASS
3900	HSL	3.15	37.50	OFDM	PASS	PASS
4100	HSL	3.25	37.20	OFDM	PASS	PASS
4200	HSL	3.34	37.00	OFDM	PASS	PASS
4400	HSL	3.58	36.70	OFDM	PASS	PASS
4600	HSL	3.70	36.60	OFDM	PASS	PASS
4800	HSL	3.82	36.40	OFDM	PASS	PASS
4900	HSL	3.96	36.20	OFDM	PASS	PASS
5250	HSL	4.528	35.32	OFDM	N/A	PASS
5600	HSL	4.905	34.89	OFDM	N/A	PASS
5750	HSL	5.077	34.28	OFDM	N/A	PASS

<Validation Results>

Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)
2023.01.15	750	HSL	250	2.16	8.54	8.64	1.17
2023.01.17	750	HSL	250	2.16	8.54	8.64	1.17
2023.01.10	900	HSL	250	2.78	11.20	11.12	-0.71
2023.01.13	900	HSL	250	2.75	11.20	11	-1.79
2023.01.18	1800	HSL	250	10.01	39.20	40.04	2.14
2023.01.20	1800	HSL	250	10.15	39.20	40.6	3.57
2023.01.16	2000	HSL	250	10.58	41.60	42.32	1.73
2023.01.17	2000	HSL	250	10.52	41.60	42.08	1.15
2023.01.29	2450	HSL	250	12.86	52.30	51.44	-1.64
2023.01.22	2600	HSL	250	13.85	57.00	55.4	-2.81
2023.02.01	3500	HSL	100	7.24	67.20	72.4	7.74
2023.02.03	3500	HSL	100	7.32	67.20	73.2	8.93
2023.02.07	3700	HSL	100	6.59	67.50	65.9	-2.37
2023.02.08	3700	HSL	100	7.25	67.50	72.5	7.41
2023.02.11	3900	HSL	100	7.34	69.90	73.4	5.01
2023.02.12	3900	HSL	100	7.21	69.90	72.1	3.15
2023.02.15	5250	HSL	100	7.51	76.70	75.1	-2.09
2023.02.17	5600	HSL	100	7.86	80.80	78.6	-2.72
2023.02.21	5750	HSL	100	7.74	78.70	77.4	-1.65

Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
2023.01.15	750	HSL	250	1.39	5.57	5.56	-0.18
2023.01.17	750	HSL	250	1.39	5.57	5.56	-0.18
2023.01.10	900	HSL	250	1.82	7.19	7.28	1.25
2023.01.13	900	HSL	250	1.87	7.19	7.48	4.03
2023.01.18	1800	HSL	250	5.11	20.10	20.44	1.69
2023.01.20	1800	HSL	250	5.17	20.10	20.68	2.89
2023.01.16	2000	HSL	250	5.34	20.70	21.36	3.19
2023.01.17	2000	HSL	250	5.32	20.70	21.28	2.80
2023.01.29	2450	HSL	250	5.97	23.90	23.88	-0.08
2023.01.22	2600	HSL	250	6.25	25.70	25	-2.72
2023.02.01	3500	HSL	100	2.28	25.10	22.8	-9.16
2023.02.03	3500	HSL	100	2.63	25.10	26.3	4.78
2023.02.07	3700	HSL	100	2.47	24.20	24.7	2.07
2023.02.08	3700	HSL	100	2.45	24.20	24.5	1.24
2023.02.11	3900	HSL	100	2.17	24.10	21.7	-9.96
2023.02.12	3900	HSL	100	2.32	24.10	23.2	-3.73
2023.02.15	5250	HSL	100	2.14	22.10	21.4	-3.17
2023.02.17	5600	HSL	100	2.29	23.30	22.9	-1.72
2023.02.21	5750	HSL	100	2.29	22.50	22.9	1.78

Note: System checks the specific test data please see Annex C.

9. EUT Testing Position

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

9.1. Handset Reference Points

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

Fig. 9.1 Illustration for Cheek Position

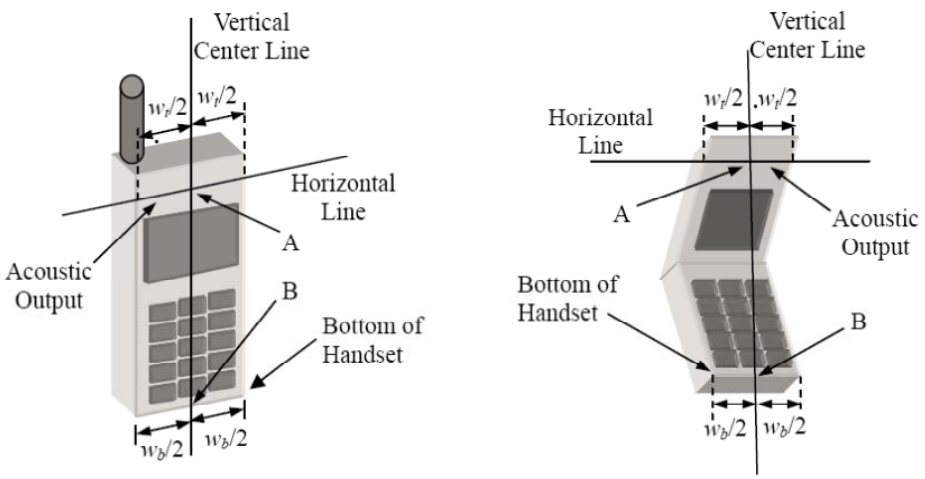


Fig. 9.2 Illustration for Handset Vertical and Horizontal Reference Lines

9.2. Positioning for Cheek / Touch

To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost (see below figure)

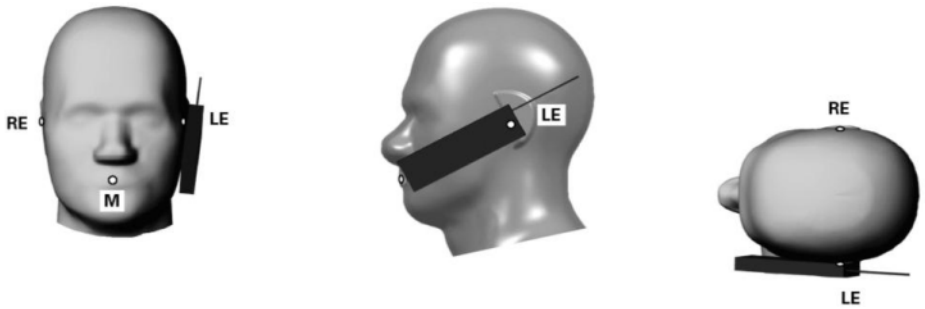


Fig 9.3 Illustration for Cheek Position

9.3. Positioning for Ear / 15º Tilt

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

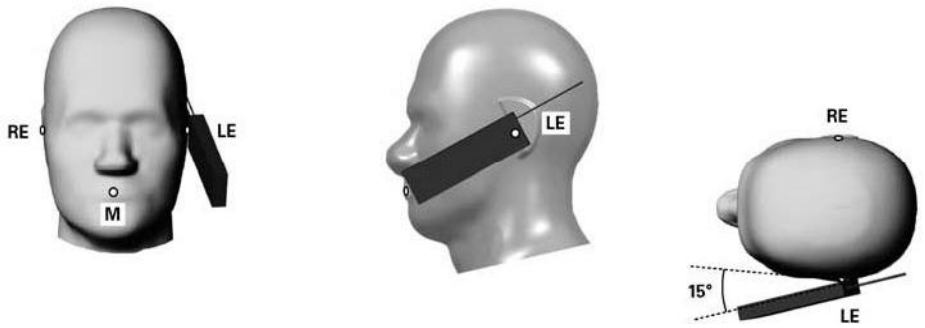


Fig 9.4 Illustration for Tilted Position

9.4. SAR Evaluation near the Mouth/Jaw Regions of the Phantom

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

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

9.5. Body-worn Configurations

The body-worn configurations shall be tested with the supplied accessories (belt-clips, holsters, etc.) attached to the device in normal use configuration.

For body-worn and other configurations a flat phantom shall be used which is comprised of material with electrical properties similar to the corresponding tissues.

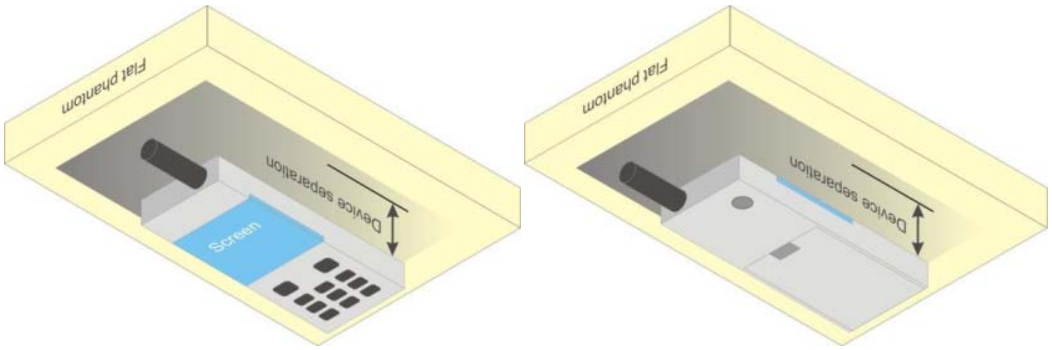


Fig 9.5 Illustration for Body Worn Position

9.6. Hotspot Mode Exposure Position Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).

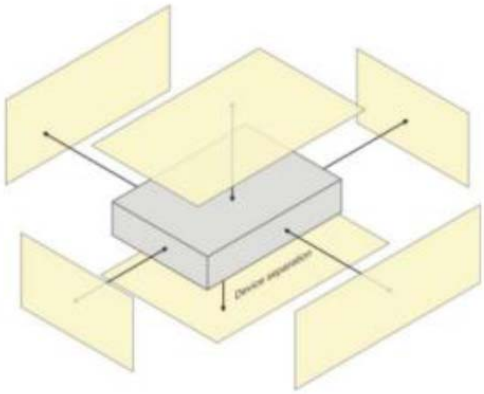


Fig 9.6 Illustration for Hotspot Position

10. Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

(a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.

(b) Read the WWAN RF power level from the base station simulator.

(c) For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band.

(d) Connect EUT RF port through RF cable to the power meter, and measure WLAN/BT output power.

<SAR measurement>

(a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.

(b) Place the EUT in the positions as Appendix D demonstrates.

(c) Set scan area, grid size and other setting on the DASY software.

(d) Measure SAR results for the highest power channel on each testing position.

(e) Find out the largest SAR result on these testing positions of each band.

(f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg.

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

(a) Power reference measurement.

(b) Area scan.

(c) Zoom scan.

(d) Power drift measurement.

10.1. Spatial Peak SAR Evaluation

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

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

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

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

10.2. Power Reference Measurement

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

10.3. Area Scan Procedures

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for FCC applications utilize a10mm² step integral, with 1mm interpolation used to locate the peak SAR area used for zoom scan assessments.

When an Area Scan has measured all reachable points, it computes the field maxima founding the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE1528-2003.

10.4. Zoom Scan Procedures

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. A density of 1000 kg/m³ is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1g cube is 10mm, with the side

length of the 10 g cube 21,5mm.The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications utilize a physical step of 5x5x7 (8mmx8mmx5mm) providing a volume of 32mm in the X & Y axis, and 30mm in the Z axis.

10.5. SAR Averaged Methods

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

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

10.6. Power Drift Monitoring

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

11. SAR Test Procedure

11.1. General Scan Requirements

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std. 1528-2013.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 mm ± 1 mm	½·δ·ln(2) mm ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$ mm	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.

* When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB Publication 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

11.2. Test Procedure

The Following steps are used for each test position

1. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface.
2. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
3. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
4. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

11.3. Description of Interpolation/Extrapolation Scheme

The local SAR inside the phantom is measured using small dipole sensing elements inside a probe body. The probe tip must not be in contact with the phantom surface in order to minimize measurements errors, but the highest local SAR will occur at the surface of the phantom.

An extrapolation is using to determinate this highest local SAR values. The extrapolation is based on a fourth-order least-square polynomial fit of measured data. The local SAR value is then extrapolated from the liquid surface with a 1mm step.

The measurements have to be performed over a limited time (due to the duration of the battery) so the step of measurement is high. It could vary between 5 and 8 mm. To obtain an accurate assessment of the maximum SAR averaged over 10 grams and 1 gram requires a very fine resolution in the three dimensional scanned data array.

11.4. Wireless Router

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 v02r01 where SAR test considerations for handsets (L x W ≥ 9 cm x 5 cm) are based on a composite test separation distance of 10 from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges,

determined form general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D01v06 publication procedures. The “Portable Hotspot” feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

12. SAR Test Configuration

<GSM Mode>

A summary of these settings are illustrated below:
For GSM850 frequency band, the power control is set to 5 for GSM/GPRS mode (GSMK-CS1) and set to 8 for EDGE mode (MCS5); For GSM1900 frequency band, the power control is set to 0 for GSM/GPRS mode (GSMK-CS1) and set to 2 for EDGE mode (MCS5).

1. Per KDB 447498 D04v01, the maximum output power channel is used for SAR testing and for further SAR test reduction.
2. Per KDB 941225 D01v03r01, SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Therefore, the GPRS (4Tx slots) for GSM850/GSM1900 is considered as the primary mode.
3. Other configurations of GSM / GPRS / EDGE are considered as secondary modes.

Timeslot consignations:

Remark:

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

No. of Slots:	Slot 1	Slot 2	Slot 3	Slot 4
Slot Consignation:	1Up 4Down	2Up 3Down	3Up 2Down	4Up 1Down
Duty Cycle:	1:8.3	1:4.15	1:2.77	1:2.08
Correct Factor:	-9.03dB	-6.02dB	-4.26dB	-3.01dB

<WCDMA Mode>

Summary of UMTS conducted power measurement:

1. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode, SAR measurement is not required for the secondary mode.
2. The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
3. The procedures in KDB 941225 D01v03r01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode(s) to determine SAR test exclusion.
4. For HSPA+ devices supporting 16 QAM in the uplink, power measurements procedure is according to the configurations in Table C.11.1.4 of 3GPP TS 34.121-1.
5. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA / HSPA+ is ≤ ¼ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA / HSPA+ to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA / HSPA+) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.
6. A fixed level power reduction is applied for WCDMA Band II when handset open Hotspot mode, the power reduction triggered.

<u>HSDPA Setup Configuration</u>

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{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 Δ_{CQI} = 8 ⇔ $A_{hs} = \beta_{hs}/\beta_c$ = 30/15 ⇔ β_{hs}= 30/15 *β_c
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_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 β_c = 11/15 and β_d = 15/15.

HSUPA Setup Configuration

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{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	β_{ed1}: 47/15 β_{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 Δ_{CQI} = 8 ⇔ $A_{hs} = \beta_{hs}/\beta_c = 30/15$ ⇔ $\beta_{hs} = 30/15 * \beta_c$.
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_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 β_c = 10/15 and β_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 β_c = 14/15 and β_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.

HSPA+ 3GPP release 7 (uplink category 7) 16QAM, Setup Configuration:

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

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	$\beta_{ed}1$: 30/15 $\beta_{ed}2$: 30/15	$\beta_{ed}3$: 24/15 $\beta_{ed}4$: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with $\beta_{hs} = 30/15 * \beta_c$.
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signaled to use the extrapolation algorithm.

DC-HSDPA Setup Configuration

The following tests were completed according to procedures in section 7.3.13 of 3GPP TS34.108 v9.5.0. A summary of these settings are illustrated below:
Downlink Physical Channels are set as per 3GPP TS34.121-1 v9.0.0 E.5.

Table E.5.0: Levels for HSDPA connection setup

Parameter During Connection setup	Unit	Value
P-CPICH_Ec/Ior	dB	-10
P-CCPCH and SCH_Ec/Ior	dB	-12
PICH _Ec/Ior	dB	-15
HS-PDSCH	dB	off
HS-SCCH_1	dB	off
DPCH_Ec/Ior	dB	-5
OCNS_Ec/Ior	dB	-3.1

Call is set up as per 3GPP TS34.108 v9.5.0 sub clause 7.3.13

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.

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.		

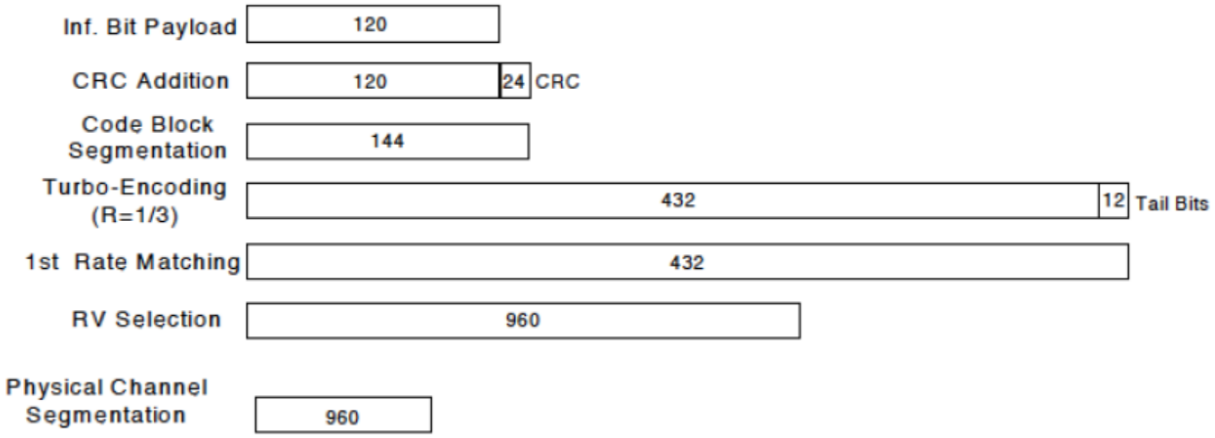


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

<CDMA Mode>

1xEV-DO Rev. B

Call box setup procedure

1xEV-DO Release B

1> CMW 500 Signal Generator > 1xEV-DO Taskbar Enable

2> CMW 500 1xEV-DO Signaling Configuration Window >

3> 1xEV-DO Signaling On Window:

Under Access Network Control:

Band Class: BC0: US Cellular

RF Channel: 31

1xEV-DO Power: -70 dBm

4> 1xEV-DO Signaling Configuration Window

Under RF Frequency Band / Channel: Enter Ch. Frequency

- Under Carrier Configuration: RF Frequency

For Two Carriers: Low Channel (1013)

	RF Channel	RF Channel Offset
Carrier [0]	31	0
Carrier [1]	1013	982

- Under Carrier Configuration: RF Pilot

	Carrier Sector	Active on AN	Assigned to AT
Pilot [0]	C0/S0	✓	✓
	CA/S1	✓	✓

For Three Carriers: Low Channel (1013)

	RF Channel	RF Channel Offset
Carrier [0]	72	0
Carrier [1]	31	-41
Carrier [2]	1013	941

- Under Carrier Configuration: RF Pilot

	Carrier Sector	Active on AN	Assigned to AT
Pilot [0]	C0/S0	✓	✓
Pilot [1]	C1/S1	✓	✓
Pilot [2]	C2/S2	✓	✓

<LTE Mode>

LTE Target MPR level

The device implements maximum power reduction per 3GPP 36.101 requirements where the MPR target is as below table. The MPR settings are implemented configured into firmware and cannot be disabled by the end user or LTE carrier network.

Modulation	Channel bandwidth / Transmission bandwidth configuration [RB]						MPR Target (dB)	3GPP MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz		
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	1	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	1	≤ 1
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	2	≤ 2

Note: The measurement result showed some difference from the target MPR level, due to expected 0.5dBmeasurement tolerance

LTE Bands

LTE Bands	Channel bandwidth / Transmission bandwidth configuration [RB]					
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz
2	√	√	√	√	√	√
4	√	√	√	√	√	√
5	√	√	√	√	N/A	N/A
7	N/A	N/A	√	√	√	√
12	√	√	√	√	N/A	N/A
13	N/A	N/A	√	√	N/A	N/A
17	N/A	N/A	√	√	N/A	N/A
18	N/A	N/A	√	√	√	N/A
25	√	√	√	√	√	√
26	√	√	√	√	√	N/A
38	N/A	N/A	√	√	√	√
41	N/A	N/A	√	√	√	√
48	N/A	N/A	√	√	√	√
66	√	√	√	√	√	√
71	N/A	N/A	√	√	√	√

Note:

1. Per KDB 941225 D05v02r05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
2. Per KDB 941225 D05v02r05, 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.

3. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
4. Per KDB 941225 D05v02r05, for QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. 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.
5. Per KDB 941225 D05v02r05, 16QAM/64QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB941225 D05v02r05, 16QAM/64QAM SAR testing is not required.
6. Per KDB 941225 D05v02r05, smaller bandwidth output power for each RB allocation configuration is > not ½ Db higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported band width is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
7. For LTE B4 / B5 / B7 / B17 the maximum bandwidth does not support three non-overlapping channels, per KDB941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
8. LTE band 2 / 12 SAR test was covered by Band 25 / 17; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
   a. The maximum output power, including tolerance, for the smaller band is ≤ the larger band to qualify for the SAR test exclusion.
   b. The channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.
9. According to 2017 TCB workshop, for 64 QAM and 16 QAM should be verified by checking the signal constellation with a call box to avoid incorrect maximum power levels due to MPR and other requirements associated with signal modulation, and the following figure is taken from the "Fundamental Measurement >> Modulation Analysis >>constellation" mode of the device connect to the CMW500 base station, therefore, the device 64QAM and 16QAMsignal modulation are correct. Identify if Maximum Power Reduction (MPR) is optional or mandatory, i.e. built-in by design: only mandatory MPR may be considered during SAR testing, when the maximum output power is permanently limited by the MPR implemented within the UE; and only for the applicable RB (resource block) configurations specified in LTE standards: b) A-MPR (additional MPR) must be disabled.
10. Per KDB 447498 D04v01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.

a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

11. Per KDB 447498 D04v01, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
12. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
13. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.

<WLAN 2.4GHz>

1. SAR is measured for 2.4 GHz 802.11b DSSS using either the fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:
   a. When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
   b. When the reported SAR is > 0.8 W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.
2. 2.4 GHz 802.11 g/n OFDM are additionally evaluated for SAR if the highest reported SAR for 802.11b, adjusted by the ratio of the OFDM to DSSS specified maximum output power, is > 1.2 W/kg. When SAR is required for OFDM modes in 2.4 GHz band, the Initial Test configuration Procedures should be followed.

3. For held-to-ear and hotspot operations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When reported SAR for the initial test position is ≤ 0.4 W/kg, no additional testing for the remaining test positions was required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
4. Justification for test configurations for WLAN per KDB Publication 248227 D02DR02-41929 for 2.4 GHz WI-FI single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz802.11g/n) was not required due to the maximum allowed powers and the highest reported DSSSSAR.
5. A fixed level power reduction is applied for WiFi when handset operates "held to the body" condition or "held to the ear" condition, the power reduction triggered by audio receiver detection and call establish status.
6. Per KDB 248227 D01v02r02, In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements.SAR is not required for the following 2.4 GHz OFDM conditions:
   a. When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.
   b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

<WLAN 5GHz>

A) U-NII-1 and U-NII-2A Bands

For devices that operate in only one of the U-NII-1 and U-NII-2A bands, the normally required SAR procedures for OFDM configurations are applied. For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following：

1. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, both bands are tested independently for SAR.
2. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, both bands are tested independently for SAR.
3. The two U-NII bands may be aggregated to support a 160 MHz channel on channel number 50.
4. Without additional testing, the maximum output power for this is limited to the lower of the maximum output power certified for the two bands. When SAR measurement is required for at least one of the bands and the highest reported SAR adjusted by the ratio of specified maximum

output power of aggregated to standalone band is > 1.2 W/kg, SAR is required for the 160 MHz channel. This procedure does not apply to an aggregated band with maximum output higher than the standalone band(s); the aggregated band must be tested independently for SAR. SAR is not required when the 160 MHz channel is operating at a reduced maximum power and also qualifies for SAR test exclusion.

B) U-NII-2C and U-NII-3 Bands

The frequency range covered by these bands is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. when Terminal Doppler Weather Radar (TDWR) restriction applies, all channels that operate at 5.60 – 5.65 GHz must be included to apply the SAR test reduction and measurement procedures.
When the same transmitter and antenna(s) are used for U-NII-2C band and U-NII-3 band or 5.8 GHz band of §15.247, the bands may be aggregated to enable additional channels with 20, 40 or 80 MHz bandwidth to span across the band gap, as illustrated in Appendix B. The maximum output power for the additional band gap channels is limited to the lower of those certified for the bands. Unless band gap channels are permanently disabled, they must be considered for SAR testing. The frequency range covered by these bands is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. To maintain SAR measurement accuracy and to facilitate test reduction, the channels in U-NII-2C band above 5.65 GHz may be grouped with the 5.8 GHz channels in U-NII-3 or §15.247 band to enable two SAR probe calibration frequency points to cover the bands, including the band gap channels. When band gap channels are supported and the bands are not aggregated for SAR testing, band gap channels must be considered independently in each band according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

C) OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements

The initial test configuration for 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band. SAR for the initial test configuration is measured using the highest maximum output power channel determined by the default power measurement procedures. When multiple configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined according to the following steps applied sequentially.

1. The largest channel bandwidth configuration is selected among the multiple configurations with the same specified maximum output power.
2. If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.

3. If multiple configurations have the same specified maximum output power, largest channel band width and lowest order modulation, the lowest data rate configuration among these configurations is selected.
4. When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n. After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following. These channel selection procedures apply to both the initial test configuration and subsequent test configuration(s), with respect to the default power measurement procedures or additional power measurements required for further SAR test reduction. The same procedures also apply to subsequent highest output power channel(s) selection.
5. The channel closest to mid-band frequency is selected for SAR measurement.
6. For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

D) SAR Test Requirements for OFDM configurations

When SAR measurement is required for 802.11 a/n/ac OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. When the sametransmitter and antenna(s) are used for U-NII-1 and U-NII-2A bands, additional SAR test reduction Vapplies. When band gap channels between U-NII-2C band and 5.8 GHz U-NII-3 or §15.247 bandare supported, the highest maximum output power transmission mode configuration and maximumoutput power channel across the bands must be used to determine SAR test reduction, accordingto the initial test configuration and subsequent test configuration requirements. In applying theinitial test configuration and subsequent test configuration procedures, the 802.11 transmissionconfiguration with the highest specified maximum output power and the channel within a testconfiguration with the highest measured maximum output power should be clearly distinguished toapply the procedures.

13. Conducted Power List

Remark: The output power of GSM/WCDMA/LTE/5G NR/WLAN/Bluetooth was recorded in annex E of this report.

14. LTE Carrier Aggregation

➢ **Carrier Aggregation Configuration**

<Intra-band>

2CC Uplink Carrier Aggregation for Intra-band				
No.	Combination	MIMO	Restriction	Completely Covered by Measurement Superset
1	CA_41C	41C	-	No
2	CA_48C	48C	-	No

Note:

1. According to the 3GPP 36.101 table 6.2.2A-1 specifics that the aggregation maximum allowed output power is equivalent to the signal carrier scenario for intra-band contiguous carrier aggregation scenarios. When the non-contiguous RB allocation is applied the MPR shell complies with the table 6.2.3A defined in 3GPP 36.101.
2. According to the TCB Workshop publication, the output power of uplink CA would be measured with the wideband signal integration over the component carriers. And SAR measurement would be performed at the worst exposure condition of each band.
3. Additional SAR measurement for LTE UL CA with other DL CA combinations are not required when the maximum output power of this configuration is not ＞1/4 dB higher than the maximum output power for UL CA active.
4.

<Inter-band>

2CC Uplink Carrier Aggregation for Inter-band				
No.	Combination	MIMO	Restriction	Completely Covered by Measurement Superset
1	CA_2A-12A	-	-	No
2	CA_12A-66A	-	-	No

Note:

According to October 2018 TCB Workshop publication, LTE uplink CA SAR assessment should follow:

a. If the signal uplink 1-g SAR values for each band are both less than 0.8 W/kg and the algebraic summation of the 1-g SAR values are less than 1.45 W/kg no additional measurements need to be performed.

b. If one or the signal uplink1-g SAR values is greater than 0.8 W/kg, instead of algebraically summing the 1-g SAR values, sum up the SAR distributions, similar to the enlarged zoom scan (volume scan) procedures found in FCC KDB Publication 865664 D01. And PAG is required for this case.

c. If the algebraic sum of the 1-g SAR values is > 1.45 W/kg additional measurements may have to be made. Submit a KDB inquiry for additional guidance. And PAG is required for this case.

➢ **Carrier Aggregation Configuration**

For the device supports bands and bandwidths and configurations are provided as follow table was according to 3GPP.

Downlink Carrier Aggregation				
No.	Combination	MIMO	Restriction	Completely Covered by Measurement Superset
1	CA_2C	-	-	No
2	CA_5B	-	-	No
3	CA_7C	-	-	No
4	CA_41C	-	-	No
5	CA_48C	-	-	No
6	CA_48B	-	-	No
7	CA_66C	-	-	No
8	CA_66B	-	-	No
9	CA_1A-3A	-	-	No
10	CA_1A-7A	-	-	No
11	CA_1A-20A	-	-	No
12	CA_1A-8A	-	-	No
13	CA_2A-2A	-	-	No
14	CA_2A-13A	-	-	No
15	CA_2A-4A	-	-	No
16	CA_2A-5A	-	-	No
17	CA_2A-12A	-	-	No
18	CA_2A-48A	-	-	No
19	CA_2A-66A	-	-	No
20	CA_2A-71A	-	-	No
21	CA_3A-3A	-	-	No
22	CA_3A-7A	-	-	No

23	CA_3A-8A	-	-	No
24	CA_3A-20A	-	-	No
25	CA_4A-4A	-	-	No
26	CA_4A-5A	-	-	No
27	CA_4A-13A	-	-	No
28	CA_4A-48A	-	-	No
29	CA_4A-12A	-	-	No
30	CA_4A-71A	-	-	No
31	CA_5A-66A	-	-	No
32	CA_5A-5A	-	-	No
33	CA_5A-7A	-	-	No
34	CA_5A-48A	-	-	No
35	CA_7A-7A	-	-	No
36	CA_7A-12A	-	-	No
37	CA_7A-13A	-	-	No
38	CA_7A-20A	-	-	No
39	CA_7A-8A	-	-	No
40	CA_12A-66A	-	-	No
41	CA_13A-48A	-	-	No
42	CA_13A-66A	-	-	No
43	CA_25A-25A	-	-	No
44	CA_25A-26A	-	-	No
45	CA_25A-41A	-	-	No
46	CA_41A-41A	-	-	No
47	CA_48A-48A	-	-	No
48	CA_48A-66A	-	-	No
49	CA_66A-66A	-	-	No
50	CA_66A-71A	-	-	No

➢ **LTE Downlink Carrier Aggregation Conducted Power**

1. According to KDB941225 D05A v01r02, Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.

2. Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.
3. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.
4. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.
5. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.
6. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy
7. 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lfloor \frac{BW_{Channel(1)} + BW_{Channel(2)} - 0.1\left|BW_{Channel(1)} - BW_{Channel(2)}\right|}{0.6} \right\rfloor 0.3 \ \ [\text{MHz}]$$

8. The output power of CA Uplink & downlink was recorded in annex E of this report.

15. 5G NR EN-DC Consideration

➢ **General Guidance**

9. It is operate at EN-DC (NSA)/SA for 5G NR implementation according to the character of the device. SAR measurement should be performed separately for the limitations of the probe calculation factors.
10. When the EN-DC is active the output power of the LTE anchors is equal or less than the standalone carrier, therefore the LTE output power and SAR were estimated based on the standalone carrier to performed sim-TX analysis with 5G NR, WLAN and Bluetooth.
11. According to October 2020 TCB Workshop publication, EN-DC SAR assessment should follow:
    a. If the signal uplink 1-g SAR values for each band are both less than 0.8 W/kg and the algebraic summation of the 1-g SAR values are less than 1.45 W/kg no additional measurements need to be performed.
    b. If one or the signal uplink 1-g SAR values is greater than 0.8 W/kg, instead of algebraically summing the 1-g SAR values, sum up the SAR distributions, similar to the enlarged zoom scan (volume scan) procedures found in FCC KDB Publication 865664 D01. And PAG is required for this case.
    c. If the algebraic sum of the 1-g SAR values is > 1.45 W/kg additional measurements may have to be made. Submit a KDB inquiry for additional guidance and PAG is required for this case.
    d. When the algebraic sum of the 1-g SAR values is > 1.6 W/kg, SPLSR analysis procedure should be applied.

➢ **5G NR Anchor Combination**

5G-NR	EN-DC Combination	LTE Uplink	5G-NR Uplink	SCS (kHz)	Maximum Bandwidth (MHz)
FDD	EN-DC_5A_n2	5A	n2	15	20
FDD	EN-DC_12A_n2	12A	n2	15	20
FDD	EN-DC_13A_n2	13A	n2	15	20
FDD	EN-DC_66A_n2	66A	n2	15	20
FDD	EN-DC _2A_n5	2A	n5	15	20
FDD	EN-DC_7A_n5	7A	n5	15	20
FDD	EN-DC_66A_n5	66A	n5	15	20
FDD	EN-DC_48A_n5	48A	n5	15	20
FDD	EN-DC_66A_n25	66A	n25	15	40
TDD	EN-DC_2A_n41	2A	n41	30	100
TDD	EN-DC_25A_n41	25A	n41	30	100
TDD	EN-DC_26A_n41	26A	n41	30	100
TDD	EN-DC_66A_n41	66A	n41	30	100

FDD	EN-DC_2A_n66	2A	n66	15	40
FDD	EN-DC_5A_n66	5A	n66	15	40
FDD	EN-DC_7A_n66	7A	n66	15	40
FDD	EN-DC_12A_n66	12A	n66	15	40
FDD	EN-DC_13A_n66	13	n66	15	40
FDD	EN-DC_48A_n66	48A	n66	15	40
FDD	EN-DC_2A_n71	2A	n71	15	20
FDD	EN-DC_7A_n71	7A	n71	15	20
FDD	EN-DC_66A_n71	66A	n71	15	20
TDD	EN-DC_2A_n77	2A	n77	30	100
TDD	EN-DC_5A_n77	5A	n77	30	100
TDD	EN-DC_7A_n77	7A	n77	30	100
TDD	EN-DC_12A_n77	12A	n77	30	100
TDD	EN-DC_13A_n77	13A	n77	30	100
TDD	EN-DC_66A_n77	66A	n77	30	100
TDD	EN-DC_2A_n78	2A	n78	30	100
TDD	EN-DC_5A_n78	5A	n78	30	100
TDD	EN-DC_7A_n78	7A	n78	30	100
TDD	EN-DC_12A_n78	12A	n78	30	100
TDD	EN-DC_66A_n78	66A	n78	30	100

16. Hotspot Mode Evaluation Procedure

➢ **EUT Antenna Location**

The location of antenna was recorded in annex B
Ant 0: TX/RX: GSM850/1900; WCDMA Band II/IV/V; LTE Band 2/4/5/7/12/13/17/18/25/26/38/41/48/66/71; 5G NR n2/5/12/25/41/66/71 Ant 1: TX/RX: GSM850/1900; WCDMA Band II/IV/V; LTE Band 2/4/5/7/12/13/17/18/25/26/38/41/48/66/71; 5G NR n2/5/12/25/41/66/71 Ant 2: RX: GPS L5 Ant 3: TX/RX: LTE Band48; 5G NR n77/78; RX: LTE Band2/4/25/41/66; 5G NR n2/25/41/66 Ant 4: TX/RX: LTE Band 2/4/25/41/48/66; 5G NR n2/25/41/66/77/78 Ant 5: TX/RX: 5G NR n77/78; RX: LTE Band 41 Ant 6: TX/RX: 5G NR n77/78; RX: GPS Ant 7: TX/RX: WLAN 2.4GHz/5GHz;Bluetooth Ant 8: NFC

➢ **EUT Antenna Distance**

Antenna Location	Front	Back	Left	Right	Top	Bottom
Ant 0	＜5mm	＜5mm	＜5mm	＜5mm	＞25mm	＜5mm
Ant 1	＜5mm	＜5mm	＜5mm	＞25mm	＜5mm	＞25mm
Ant 3	＜5mm	＜5mm	＞25mm	＜5mm	＜25mm	＞25mm
Ant 4	＜5mm	＜5mm	＜5mm	＞25mm	＜25mm	＞25mm
Ant 5	＜5mm	＜5mm	＜5mm	＞25mm	＞25mm	＜25mm
Ant 6	＜5mm	＜5mm	＞25mm	＜25mm	＜5mm	＞25mm
Ant 7	＜5mm	＜5mm	＞25mm	＜5mm	＜5mm	＞25mm

➢ **Hotspot Evaluation**

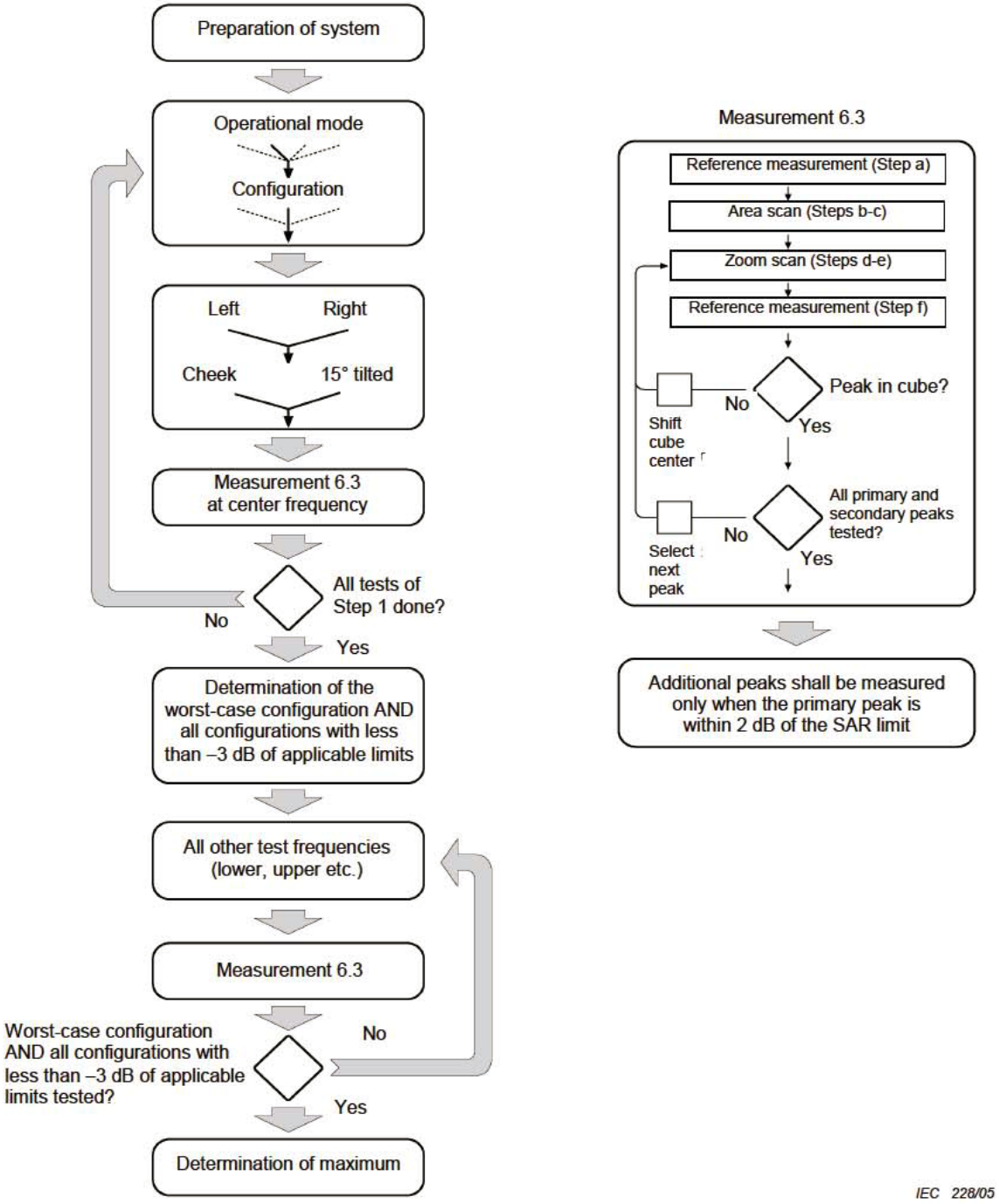
Assessment	Hotspot Side For SAR Test Distance: 10mm					
Antennas	Front	Back	Left	Right	Top	Bottom
Ant 0	Yes	Yes	Yes	Yes	No	Yes
Ant 1	Yes	Yes	Yes	No	Yes	No
Ant 3	Yes	Yes	No	Yes	Yes	No
Ant 4	Yes	Yes	Yes	No	Yes	No
Ant 5	Yes	Yes	Yes	No	No	Yes
Ant 6	Yes	Yes	No	Yes	Yes	No
Ant 7	Yes	Yes	No	Yes	Yes	No

Note :

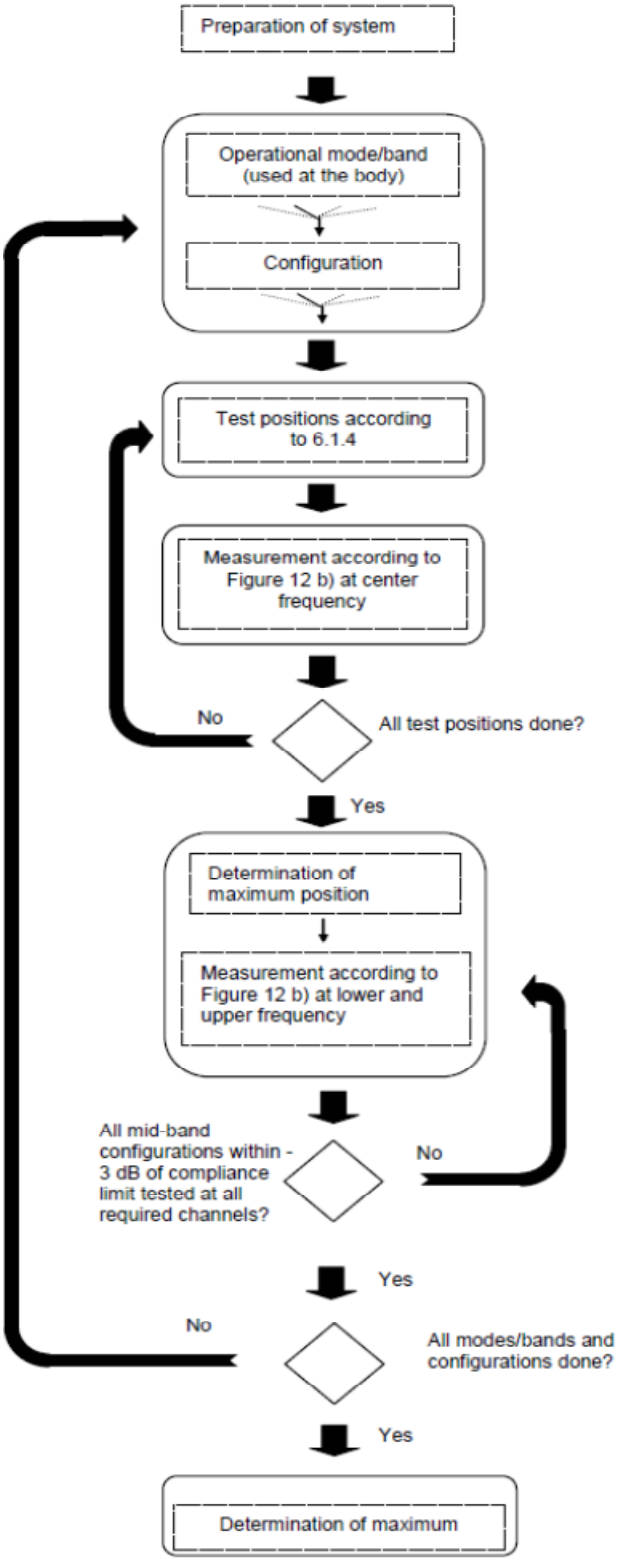
1. The SAR evaluation procedures for Portable Devices with Wireless Router function is according to KDB 941225 D06 Hotspot SAR v02r01.
2. Head/Body-worn/Hotspot mode SAR assessments are required.
3. Referring to KDB 941225 D06, when the overall device length and width are ≥ 9cm*5cm, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.

17. Block Diagram of the Tests to be Performed

17.1. Head



17.2. Body



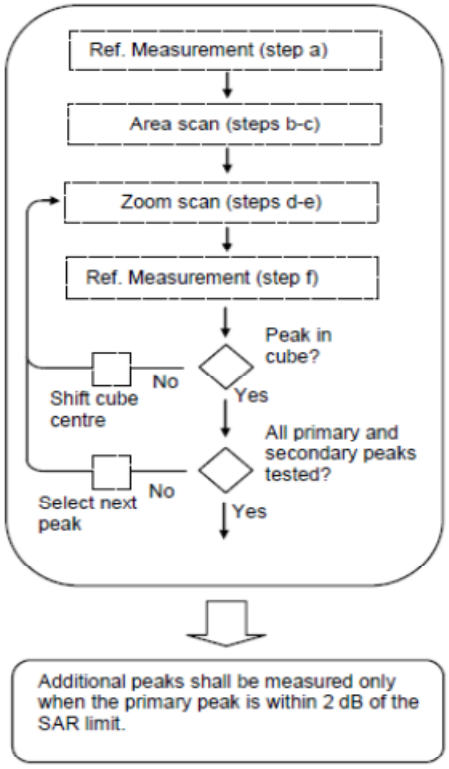


Figure 12b – General procedure

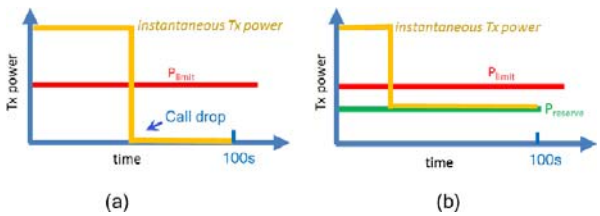
18. Smart Transmit Algorithm

FCC SAR limit is defined based on time average RF exposure. Qualcomm® Smart Transmit algorithm developed by Qualcomm, when running in a wireless device, will ensure the wireless device is in compliance with IN limit of SAR averaged over a defined time window, denoted as SAR_time_window, at all times. The Smart Transmit algorithm will not only ensure the wireless device to comply with RF exposure requirement, but also will improve the user experience and network performance.

For a given wireless device, once the SAR of the wireless device is characterized at a transmit power level via SAR measurement, SAR at a different power level for the characterized configuration(s) can be scaled by the change in the corresponding power level. Therefore, for a characterized device, SAR compliance can be achieved through transmit power control and management.

The basic concept of the Smart Transmit algorithm by Qualcomm is that if time-averaged transmit power approaches the P_{limit}, then the modem needs to limit instantaneous transmit power to make sure that the time-averaged transmit power does not exceed the P_{limit} in any SAR_time_window (i.e., the time-averaged SAR complies with the CE SAR limit in any SAR_time_window). The wireless device can instantaneously transmit at high transmit powers and exceed the P_{limit} for a short duration before limiting the power to maintain the time-averaged transmit power under the P_{limit}.

The Smart Transmit algorithm can be configured to manage the instantaneous transmit power (Tx power) to keep the time-averaged power to not exceed P_{limit}. To avoid dropping the radio link, Smart Transmit algorithm starts the power limiting enforcement earlier in time to back off the Tx power to a reserve level (denoted as Preserve) so that wireless device can maintain the radio link at a minimum reserve power level for as long as needed and at the same time ensure that the time-averaged Tx power over any SAR_time_window is less than P_{limit} at all times (see Figure 1-1(b)). At all times, Smart Transmit meets the below equation:



$$time\ avg.Tx\ power = \frac{1}{T}\int_{t}^{t+T} inst.Tx\ power(t)\,dt \le P_{limit}$$

Figure 1-1 Smart Transmit Operation: (a) Transmit at high power when needed and permitted; (b) Transmit with reserve power to support continuous transmission at a minimum power level (Preserve)

where, *time avg. Tx power* is the power averaged between *t* and *t*+*T* time period; *T* is *SAR_time_window*; *inst. Tx power (t)* is the instantaneous transmit power at *t* time instant; P_{limit} is the predefined time averaged power limit.

19. Proximity Sensor Considerations

19.1. Proximity Sensor Triggering Distances

➢ **P-sensor Triggering Distance Testing**

The EUT should be moved further away from and toward the flat phantom that fill with the tissue simulating liquid to determine the proximity sensor triggering distances. Conducted power is monitored qualitatively to identify the general triggering characteristics and recorded quantitatively, versus spacing, as required by the procedures.

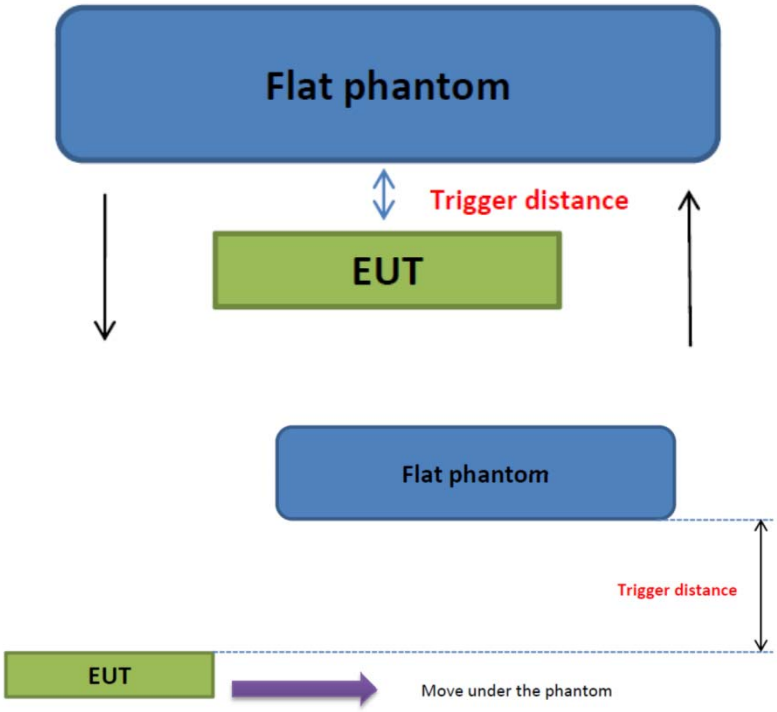


Fig.19.1 Illustration for proximity sensor trigger

➢ **P-sensor Triggering Distance**

< Ant 1>

Proximity Sensor Trigger Distance (mm)						
Exposure Position	Front side	Back side	Bottom side	Top side	Left side	Right side
Minimum	11	16	N/A	17	10	N/A

< Ant 4>

Proximity Sensor Trigger Distance (mm)						
Exposure Position	Front side	Back side	Bottom side	Top side	Left side	Right side
Minimum	N/A	12	N/A	N/A	10	N/A

< Ant 7>

Proximity Sensor Trigger Distance (mm)						
Exposure Position	Front side	Back side	Bottom side	Top side	Left side	Right side
Minimum	10	14	N/A	11	N/A	15

19.2. Proximity Sensor Coverage

Proximity sensors are not normally designed to cover the entire back surface or edges of a mobile phone. The sensing regions are usually limited to areas near the sensor element. If a sensor is spatially offset from the antenna(s), it is necessary to verify sensor triggering for conditions where the antenna is next to the user but the sensor is laterally further away to ensure sensor coverage is sufficient for reducing the power to maintain compliance. For P-sensor coverage testing, the device is moved and “along the direction of maximum antenna and sensor offset”. Illustrating in the internal photo exhibit, although the sensor spatially offset, there is no trigger condition where the antenna is next to the user, the sensor is laterally further away, therefore proximity sensor coverage testing is not required. This procedure is not required since the antenna, sensor and peak SAR location is overlapped with the sensor.

20. Test Results List

20.1. Test Guidance

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
   a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
   b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)".
   c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor.
   d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
   a. ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
   b. ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
   c. ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
4. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for tablet modes to compare with the 1.2 W/kg SAR test reduction threshold.
6. Per KDB248227 D01v02r02, a Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement. The test frequencies established using test mode must correspond to the actual channel frequencies required for operations in the U.S. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. In addition, a periodic

transmission duty factor is required for current generation SAR systems to measure SAR correctly. Unless it is permitted by specific KDB procedures or continuous transmission is specifically restricted by the device, the reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. When a device is not capable of sustaining continuous transmission or the output can become nonlinear, and it is limited by hardware design and unable to transmit at higher than 85% duty factor, a periodic duty factor within 15% of the maximum duty factor the device is capable of transmitting should be used. The reported SAR must be scaled to the maximum transmission duty factor to determine compliance. Descriptions of the procedures applied to establish the specific duty factor used for SAR testing are required in SAR reports to support the test results.

7. Receiver detection mechanism specification: This device support the receiver detection mechanism, the main purpose is to minimize triggering associated with power reduction scenarios by receiver detection mechanisms and provide enhanced user experience. It uses the receiver to indicate whether the user is making a call in head scenario or not. The selection between head and body power levels is based on the receiver detection mechanism. It can determine proximity to head or body and set the relevant power level for WWAN & WLAN antennas accordingly.

a. When Head SAR test, SAR is evaluated with receiver on mode.

b. When Body SAR test, SAR is evaluated with receiver off mode.

8. Proximity sensor configuration: The device uses one proximity sensor to reduce the maximum output power in selected wireless mode and operating configurations to ensure SAR compliance. The sensor implementation can identify and facilitate triggering different max power levels for different scenarios including the device held by hand (Extremity) and different exposure test positions when the device is closed to a user's body. The main purpose for the implementation is to distinguish the scenarios of Body and Extremity, minimize triggering associated with power reduction for different scenarios and provide enhanced user experience.

a. The proximity sensor is used to indicate when the device is held close to a user's body exposure condition. SAR tests with proximity sensor power reduction are required for test positions of some frequency bands of antenna. For the other side or other frequency bands of the device, SAR is still tested at the maximum power level with sensor off.

9. The Power level condition applied should be follow:

Transmission Condition	Wireless System	Head	Body & Extremity
Standalone	WWAN	Reduced Power Level 1	Reduced Power Level 2
	WLAN	Reduced Power Level 1	Reduced Power Level 2
	Bluetooth	Full Power	Full Power

Transmission Condition	Wireless System	Head	Body & Extremity
Simultaneous	5G NR	Reduced Power Level 3	Reduced Power Level 4
	WLAN	Reduced Power Level 3	Reduced Power Level 4
	Bluetooth	Reduced Power Level 3	Full Power

10. The 5G NR (NSA) SAR measurement procedure should be followed the TCB workshop publication in October 2020:
    a. If the signal uplink 1-g SAR values for each band are both less than 0.8 W/kg and the algebraic summation of the 1-g SAR values are less than 1.45 W/kg no additional measurements need to be performed.
    b. If one or the signal uplink 1-g SAR values is greater than 0.8 W/kg, instead of algebraically summing the 1-g SAR values, sum up the SAR distributions, similar to the enlarged zoom scan (volume scan) procedures found in FCC KDB Publication 865664 D01. And PAG is required for this case.
    c. If the algebraic sum of the 1-g SAR values is > 1.45 W/kg additional measurements may have to be made. Submit a KDB inquiry for additional guidance and PAG is required for this case.
    d. When the algebraic sum of the 1-g SAR values is > 1.6 W/kg, SPLSR analysis procedure should be applied.
11. The maximum radiated emission at 3m of NFC (the power is less than 1mW) that was recorded in SZ22120264W09 which was converted to EIRP is closed to zero, therefore it is not required for RF exposure.
12. There are two types of batteries in this report, the first one was used to testing all of exposure conditions, and the others were verified the worst condition of head, body-worn or hotspot exposure.

20.2. Head SAR Data

➢ **GSM Head SAR**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Reduced Power Level 1 for Ant 1								
	GPRS 850(4 TX slots)	Right Cheek	189	16.75	17.50	1.189	0.589	0.700
	GPRS 850(4 TX slots)	Right Tilt	189	16.75	17.50	1.189	0.383	0.455
	GPRS 850(4 TX slots)	Left Cheek	189	16.75	17.50	1.189	0.436	0.518
	GPRS 850(4 TX slots)	Left Tilt	189	16.75	17.50	1.189	0.386	0.459
1#	GPRS 850(4 TX slots)	Right Cheek	128	16.65	17.50	1.216	0.608	0.739
	GPRS 850(4 TX slots)	Right Cheek	251	16.59	17.50	1.233	0.517	0.638
Reduced Power Level 3 for Simultaneous Transmission								
	GPRS 850(4 TX slots)	Right Cheek	189	13.75	14.50	1.189	0.287	0.341
	GPRS 850(4 TX slots)	Right Tilt	189	13.75	14.50	1.189	0.188	0.223
	GPRS 850(4 TX slots)	Left Cheek	189	13.75	14.50	1.189	0.213	0.253
	GPRS 850(4 TX slots)	Left Tilt	189	13.75	14.50	1.189	0.191	0.227
	GPRS 850(4 TX slots)	Right Cheek	128	13.65	14.50	1.216	0.296	0.361
	GPRS 850(4 TX slots)	Right Cheek	251	13.59	14.50	1.233	0.253	0.312
Full Power for Ant 0								
	GPRS 850(4 TX slots)	Right Cheek	189	27.75	28.50	1.189	0.038	0.045
	GPRS 850(4 TX slots)	Right Tilt	189	27.75	28.50	1.189	0.028	0.033
	GPRS 850(4 TX slots)	Left Cheek	189	27.75	28.50	1.189	0.030	0.036
	GPRS 850(4 TX slots)	Left Tilt	189	27.75	28.50	1.189	0.018	0.021
	GPRS 850(4 TX slots)	Right Cheek	128	27.65	28.50	1.216	0.032	0.039
	GPRS 850(4 TX slots)	Right Cheek	251	27.59	28.50	1.233	0.039	0.048
Reduced Power Level 1 for Ant 1								
	GPRS 1900(4 TX slots)	Right Cheek	661	11.23	12.00	1.194	0.929	1.109
	GPRS 1900(4 TX slots)	Right Tilt	661	11.23	12.00	1.194	0.854	1.019
	GPRS 1900(4 TX slots)	Left Cheek	661	11.23	12.00	1.194	0.430	0.513
	GPRS 1900(4 TX slots)	Left Tilt	661	11.23	12.00	1.194	0.523	0.624
	GPRS 1900(4 TX slots)	Right Cheek	512	11.06	12.00	1.242	0.768	0.954
2#	GPRS 1900(4 TX slots)	Right Cheek	810	11.16	12.00	1.213	0.918	1.114
Reduced Power Level 3 for Simultaneous Transmission								
	GPRS 1900(4 TX slots)	Right Cheek	661	8.23	9.00	1.194	0.456	0.544
	GPRS 1900(4 TX slots)	Right Tilt	661	8.23	9.00	1.194	0.417	0.498
	GPRS 1900(4 TX slots)	Left Cheek	661	8.23	9.00	1.194	0.215	0.257
	GPRS 1900(4 TX slots)	Left Tilt	661	8.23	9.00	1.194	0.261	0.312

	GPRS 1900(4 TX slots)	Right Cheek	512	8.06	9.00	1.242	0.382	0.474
	GPRS 1900(4 TX slots)	Right Cheek	810	8.16	9.00	1.213	0.466	0.565
Full Power for Ant 0								
	GPRS 1900(4 TX slots)	Right Cheek	661	24.73	25.50	1.194	0.074	0.088
	GPRS 1900(4 TX slots)	Right Tilt	661	24.73	25.50	1.194	0.052	0.062
	GPRS 1900(4 TX slots)	Left Cheek	661	24.73	25.50	1.194	0.019	0.023
	GPRS 1900(4 TX slots)	Left Tilt	661	24.73	25.50	1.194	0.011	0.013
	GPRS 1900(4 TX slots)	Right Cheek	512	24.56	25.50	1.242	0.033	0.041
	GPRS 1900(4 TX slots)	Right Cheek	810	24.66	25.50	1.213	0.067	0.081

➢ WCDMA Head SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Reduced Power Level 1 for Ant 1								
	Band II/RMC 12.2Kbps	Right Cheek	9400	14.42	15.30	1.225	0.589	0.721
3#	Band II/RMC 12.2Kbps	Right Tilt	9400	14.42	15.30	1.225	0.629	0.770
	Band II/RMC 12.2Kbps	Left Cheek	9400	14.42	15.30	1.225	0.307	0.376
	Band II/RMC 12.2Kbps	Left Tilt	9400	14.42	15.30	1.225	0.362	0.443
	Band II/RMC 12.2Kbps	Right Tilt	9262	14.39	15.30	1.233	0.607	0.748
	Band II/RMC 12.2Kbps	Right Tilt	9538	14.36	15.30	1.242	0.515	0.639
Reduced Power Level 3 for Simultaneous Transmission								
	Band II/RMC 12.2Kbps	Right Cheek	9400	10.92	11.80	1.225	0.268	0.328
	Band II/RMC 12.2Kbps	Right Tilt	9400	10.92	11.80	1.225	0.288	0.353
	Band II/RMC 12.2Kbps	Left Cheek	9400	10.92	11.80	1.225	0.142	0.174
	Band II/RMC 12.2Kbps	Left Tilt	9400	10.92	11.80	1.225	0.169	0.207
	Band II/RMC 12.2Kbps	Right Tilt	9262	10.89	11.80	1.233	0.277	0.342
	Band II/RMC 12.2Kbps	Right Tilt	9538	10.86	11.80	1.242	0.236	0.293
Full Power for Ant 0								
	Band II/RMC 12.2Kbps	Right Cheek	9400	23.92	24.80	1.225	0.275	0.336
	Band II/RMC 12.2Kbps	Right Tilt	9400	23.92	24.80	1.225	0.265	0.325
	Band II/RMC 12.2Kbps	Left Cheek	9400	23.92	24.80	1.225	0.090	0.110
	Band II/RMC 12.2Kbps	Left Tilt	9400	23.92	24.80	1.225	0.045	0.054
	Band II/RMC 12.2Kbps	Right Cheek	9262	23.89	24.80	1.233	0.205	0.253
	Band II/RMC 12.2Kbps	Right Cheek	9538	23.86	24.80	1.242	0.230	0.286
Reduced Power Level 1 for Ant 1								
	Band IV/RMC 12.2Kbps	Right Cheek	1413	15.11	15.80	1.172	0.662	0.776
4#	Band IV/RMC 12.2Kbps	Right Tilt	1413	15.11	15.80	1.172	0.807	0.946
	Band IV/RMC 12.2Kbps	Left Cheek	1413	15.11	15.80	1.172	0.381	0.447

	Band IV/RMC 12.2Kbps	Left Tilt	1413	15.11	15.80	1.172	0.410	0.481
	Band IV/RMC 12.2Kbps	Right Tilt	1312	15.03	15.80	1.194	0.786	0.938
	Band IV/RMC 12.2Kbps	Right Tilt	1513	15.06	15.80	1.186	0.641	0.760
Reduced Power Level 3 for Simultaneous Transmission								
	Band IV/RMC 12.2Kbps	Right Cheek	1413	11.61	12.30	1.172	0.302	0.354
	Band IV/RMC 12.2Kbps	Right Tilt	1413	11.61	12.30	1.172	0.366	0.429
	Band IV/RMC 12.2Kbps	Left Cheek	1413	11.61	12.30	1.172	0.173	0.203
	Band IV/RMC 12.2Kbps	Left Tilt	1413	11.61	12.30	1.172	0.188	0.220
	Band IV/RMC 12.2Kbps	Right Tilt	1312	11.53	12.30	1.194	0.359	0.429
	Band IV/RMC 12.2Kbps	Right Tilt	1513	11.56	12.30	1.186	0.295	0.350
Full Power for Ant 0								
	Band IV/RMC 12.2Kbps	Right Cheek	1413	24.11	24.80	1.172	0.333	0.390
	Band IV/RMC 12.2Kbps	Right Tilt	1413	24.11	24.80	1.172	0.191	0.224
	Band IV/RMC 12.2Kbps	Left Cheek	1413	24.11	24.80	1.172	0.281	0.329
	Band IV/RMC 12.2Kbps	Left Tilt	1413	24.11	24.80	1.172	0.065	0.076
	Band IV/RMC 12.2Kbps	Right Cheek	1312	24.03	24.80	1.194	0.323	0.386
	Band IV/RMC 12.2Kbps	Right Cheek	1513	24.06	24.80	1.186	0.299	0.355
Reduced Power Level 1 for Ant 1								
	Band V/RMC 12.2Kbps	Right Cheek	4182	20.67	21.30	1.156	0.518	0.599
	Band V/RMC 12.2Kbps	Right Tilt	4182	20.67	21.30	1.156	0.441	0.510
	Band V/RMC 12.2Kbps	Left Cheek	4182	20.67	21.30	1.156	0.380	0.439
	Band V/RMC 12.2Kbps	Left Tilt	4182	20.67	21.30	1.156	0.114	0.132
	Band V/RMC 12.2Kbps	Right Cheek	4132	20.61	21.30	1.172	0.508	0.595
5#	Band V/RMC 12.2Kbps	Right Cheek	4233	20.56	21.30	1.186	0.528	0.626
Reduced Power Level 3 for Simultaneous Transmission								
	Band V/RMC 12.2Kbps	Right Cheek	4182	16.67	17.30	1.156	0.212	0.245
	Band V/RMC 12.2Kbps	Right Tilt	4182	16.67	17.30	1.156	0.182	0.210
	Band V/RMC 12.2Kbps	Left Cheek	4182	16.67	17.30	1.156	0.155	0.179
	Band V/RMC 12.2Kbps	Left Tilt	4182	16.67	17.30	1.156	0.051	0.059
	Band V/RMC 12.2Kbps	Right Cheek	4132	16.61	17.30	1.172	0.206	0.241
	Band V/RMC 12.2Kbps	Right Cheek	4233	16.56	17.30	1.186	0.215	0.255
Full Power for Ant 0								
	Band V/RMC 12.2Kbps	Right Cheek	4182	24.17	24.80	1.156	0.212	0.245
	Band V/RMC 12.2Kbps	Right Tilt	4182	24.17	24.80	1.156	0.173	0.200
	Band V/RMC 12.2Kbps	Left Cheek	4182	24.17	24.80	1.156	0.114	0.132
	Band V/RMC 12.2Kbps	Left Tilt	4182	24.17	24.80	1.156	0.077	0.089
	Band V/RMC 12.2Kbps	Right Cheek	4132	24.11	24.80	1.172	0.206	0.241
	Band V/RMC 12.2Kbps	Right Cheek	4233	24.06	24.80	1.186	0.208	0.247

➢ **LTE QPSK Head SAR**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Reduced Power Level 1 for Ant 1								
6#	LTE Band 4/1RB#0 20M	Right Cheek	20175	15.38	16.10	1.180	0.706	0.833
	LTE Band 4/1RB#0 20M	Right Tilt	20175	15.38	16.10	1.180	0.606	0.715
	LTE Band 4/1RB#0 20M	Left Cheek	20175	15.38	16.10	1.180	0.354	0.418
	LTE Band 4/1RB#0 20M	Left Tilt	20175	15.38	16.10	1.180	0.397	0.469
	LTE Band 4/1RB#0 20M	Right Cheek	20050	15.34	16.10	1.191	0.646	0.770
	LTE Band 4/1RB#0 20M	Right Cheek	20300	15.32	16.10	1.197	0.628	0.752
	LTE Band 4/50RB#0 20M	Right Cheek	20175	14.46	15.10	1.159	0.522	0.605
	LTE Band 4/50RB#0 20M	Right Tilt	20175	14.46	15.10	1.159	0.522	0.605
	LTE Band 4/50RB#0 20M	Left Cheek	20175	14.46	15.10	1.159	0.262	0.304
	LTE Band 4/50RB#0 20M	Left Tilt	20175	14.46	15.10	1.159	0.294	0.340
	LTE Band 4/50RB#0 20M	Right Cheek	20050	14.46	15.10	1.159	0.478	0.554
	LTE Band 4/50RB#0 20M	Right Cheek	20300	14.39	15.10	1.178	0.465	0.547
	LTE Band 4/100RB#0 20M	Right Cheek	20175	14.40	15.10	1.175	0.506	0.594
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 4/1RB#0 20M	Right Cheek	20175	12.38	13.10	1.180	0.358	0.423
	LTE Band 4/1RB#0 20M	Right Tilt	20175	12.38	13.10	1.180	0.307	0.362
	LTE Band 4/1RB#0 20M	Left Cheek	20175	12.38	13.10	1.180	0.182	0.215
	LTE Band 4/1RB#0 20M	Left Tilt	20175	12.38	13.10	1.180	0.206	0.243
	LTE Band 4/1RB#0 20M	Right Cheek	20050	12.33	13.10	1.194	0.332	0.396
	LTE Band 4/1RB#0 20M	Right Cheek	20300	12.32	13.10	1.197	0.321	0.384
	LTE Band 4/50RB#0 20M	Right Cheek	20175	11.44	12.10	1.164	0.265	0.308
	LTE Band 4/50RB#0 20M	Right Tilt	20175	11.44	12.10	1.164	0.227	0.264
	LTE Band 4/50RB#0 20M	Left Cheek	20175	11.44	12.10	1.164	0.135	0.157
	LTE Band 4/50RB#0 20M	Left Tilt	20175	11.44	12.10	1.164	0.152	0.177
	LTE Band 4/50RB#0 20M	Right Cheek	20050	11.40	12.10	1.175	0.246	0.289
	LTE Band 4/50RB#0 20M	Right Cheek	20300	11.37	12.10	1.183	0.238	0.281
Full Power for Ant 4								
	LTE Band 4/1RB#0 20M	Right Cheek	20175	23.88	24.60	1.180	0.262	0.309
	LTE Band 4/1RB#0 20M	Right Tilt	20175	23.88	24.60	1.180	0.223	0.263
	LTE Band 4/1RB#0 20M	Left Cheek	20175	23.88	24.60	1.180	0.092	0.109
	LTE Band 4/1RB#0 20M	Left Tilt	20175	23.88	24.60	1.180	0.045	0.053
	LTE Band 4/1RB#0 20M	Right Cheek	20050	23.83	24.60	1.194	0.228	0.273
	LTE Band 4/1RB#0 20M	Right Cheek	20300	23.82	24.60	1.197	0.316	0.378
	LTE Band 4/50RB#0 20M	Right Cheek	20175	22.94	23.60	1.164	0.207	0.241

	LTE Band 4/50RB#0 20M	Right Tilt	20175	22.94	23.60	1.164	0.176	0.205
	LTE Band 4/50RB#0 20M	Left Cheek	20175	22.94	23.60	1.164	0.073	0.085
	LTE Band 4/50RB#0 20M	Left Tilt	20175	22.94	23.60	1.164	0.036	0.041
	LTE Band 4/50RB#0 20M	Right Cheek	20050	22.90	23.60	1.175	0.180	0.212
	LTE Band 4/50RB#0 20M	Right Cheek	20300	22.87	23.60	1.183	0.249	0.295
Full Power for Ant 0								
	LTE Band 4/1RB#0 20M	Right Cheek	20175	23.88	24.60	1.180	0.099	0.117
	LTE Band 4/1RB#0 20M	Right Tilt	20175	23.88	24.60	1.180	0.027	0.032
	LTE Band 4/1RB#0 20M	Left Cheek	20175	23.88	24.60	1.180	0.051	0.060
	LTE Band 4/1RB#0 20M	Left Tilt	20175	23.88	24.60	1.180	0.013	0.015
	LTE Band 4/1RB#0 20M	Right Cheek	20050	23.83	24.60	1.194	0.092	0.109
	LTE Band 4/1RB#0 20M	Right Cheek	20300	23.82	24.60	1.197	0.089	0.107
	LTE Band 4/50RB#0 20M	Right Cheek	20175	22.94	23.60	1.164	0.081	0.094
	LTE Band 4/50RB#0 20M	Right Tilt	20175	22.94	23.60	1.164	0.021	0.024
	LTE Band 4/50RB#0 20M	Left Cheek	20175	22.94	23.60	1.164	0.039	0.046
	LTE Band 4/50RB#0 20M	Left Tilt	20175	22.94	23.60	1.164	0.010	0.011
	LTE Band 4/50RB#0 20M	Right Cheek	20050	22.90	23.60	1.175	0.071	0.084
	LTE Band 4/50RB#0 20M	Right Cheek	20300	22.87	23.60	1.183	0.069	0.082
Reduced Power Level 1 for Ant 1								
	LTE Band 5/1RB#0 10M	Right Cheek	20525	21.24	21.80	1.138	0.582	0.662
	LTE Band 5/1RB#0 10M	Right Tilt	20525	21.24	21.80	1.138	0.477	0.543
	LTE Band 5/1RB#0 10M	Left Cheek	20525	21.24	21.80	1.138	0.381	0.433
	LTE Band 5/1RB#0 10M	Left Tilt	20525	21.24	21.80	1.138	0.302	0.344
	LTE Band 5/1RB#0 10M	Right Cheek	20450	21.18	21.80	1.153	0.574	0.662
7#	LTE Band 5/1RB#0 10M	Right Cheek	20600	21.16	21.80	1.159	0.590	0.684
	LTE Band 5/25RB#0 10M	Right Cheek	20525	20.20	20.80	1.148	0.471	0.541
	LTE Band 5/25RB#0 10M	Right Tilt	20525	20.20	20.80	1.148	0.386	0.444
	LTE Band 5/25RB#0 10M	Left Cheek	20525	20.20	20.80	1.148	0.309	0.354
	LTE Band 5/25RB#0 10M	Left Tilt	20525	20.20	20.80	1.148	0.245	0.281
	LTE Band 5/25RB#0 10M	Right Cheek	20450	20.15	20.80	1.161	0.465	0.540
	LTE Band 5/25RB#0 10M	Right Cheek	20600	20.15	20.80	1.161	0.478	0.555
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 5/1RB#0 10M	Right Cheek	20525	17.66	18.30	1.159	0.263	0.305
	LTE Band 5/1RB#0 10M	Right Tilt	20525	17.66	18.30	1.159	0.216	0.250
	LTE Band 5/1RB#0 10M	Left Cheek	20525	17.66	18.30	1.159	0.174	0.202
	LTE Band 5/1RB#0 10M	Left Tilt	20525	17.66	18.30	1.159	0.138	0.160
	LTE Band 5/1RB#0 10M	Right Cheek	20450	17.63	18.30	1.167	0.262	0.306
	LTE Band 5/1RB#0 10M	Right Cheek	20600	17.62	18.30	1.169	0.271	0.317

	LTE Band 5/25RB#0 10M	Right Cheek	20525	16.64	17.30	1.164	0.197	0.230
	LTE Band 5/25RB#0 10M	Right Tilt	20525	16.64	17.30	1.164	0.162	0.189
	LTE Band 5/25RB#0 10M	Left Cheek	20525	16.64	17.30	1.164	0.131	0.152
	LTE Band 5/25RB#0 10M	Left Tilt	20525	16.64	17.30	1.164	0.104	0.120
	LTE Band 5/25RB#0 10M	Right Cheek	20450	16.61	17.30	1.172	0.197	0.230
	LTE Band 5/25RB#0 10M	Right Cheek	20600	16.58	17.30	1.180	0.203	0.240
Full Power for Ant 0								
	LTE Band 5/1RB#0 10M	Right Cheek	20525	24.16	24.80	1.159	0.145	0.168
	LTE Band 5/1RB#0 10M	Right Tilt	20525	24.16	24.80	1.159	0.107	0.124
	LTE Band 5/1RB#0 10M	Left Cheek	20525	24.16	24.80	1.159	0.080	0.093
	LTE Band 5/1RB#0 10M	Left Tilt	20525	24.16	24.80	1.159	0.049	0.057
	LTE Band 5/1RB#0 10M	Right Cheek	20450	24.13	24.80	1.167	0.129	0.151
	LTE Band 5/1RB#0 10M	Right Cheek	20600	24.12	24.80	1.169	0.148	0.173
	LTE Band 5/25RB#0 10M	Right Cheek	20525	23.14	23.80	1.164	0.107	0.125
	LTE Band 5/25RB#0 10M	Right Tilt	20525	23.14	23.80	1.164	0.079	0.092
	LTE Band 5/25RB#0 10M	Left Cheek	20525	23.14	23.80	1.164	0.059	0.069
	LTE Band 5/25RB#0 10M	Left Tilt	20525	23.14	23.80	1.164	0.036	0.042
	LTE Band 5/25RB#0 10M	Right Cheek	20450	23.11	23.80	1.172	0.095	0.112
	LTE Band 5/25RB#0 10M	Right Cheek	20600	23.08	23.80	1.180	0.110	0.129
Reduced Power Level 1 for Ant 1								
	LTE Band 7/1RB#0 20M	Right Cheek	21100	18.10	18.80	1.175	0.735	0.864
	LTE Band 7/1RB#0 20M	Right Tilt	21100	18.10	18.80	1.175	0.795	0.934
	LTE Band 7/1RB#0 20M	Left Cheek	21100	18.10	18.80	1.175	0.250	0.294
	LTE Band 7/1RB#0 20M	Left Tilt	21100	18.10	18.80	1.175	0.242	0.284
	LTE Band 7/1RB#0 20M	Right Cheek	20850	18.03	18.80	1.194	0.713	0.852
	LTE Band 7/1RB#0 20M	Right Cheek	21350	17.97	18.80	1.211	0.727	0.880
	LTE Band 7/1RB#0 20M	Right Tilt	20850	18.03	18.80	1.194	0.772	0.922
8#	LTE Band 7/1RB#0 20M	Right Tilt	21350	17.97	18.80	1.211	0.807	0.977
	LTE Band 7/50RB#0 20M	Right Cheek	21100	17.14	17.80	1.164	0.551	0.642
	LTE Band 7/50RB#0 20M	Right Tilt	21100	17.14	17.80	1.164	0.596	0.694
	LTE Band 7/50RB#0 20M	Left Cheek	21100	17.14	17.80	1.164	0.188	0.218
	LTE Band 7/50RB#0 20M	Left Tilt	21100	17.14	17.80	1.164	0.182	0.211
	LTE Band 7/50RB#0 20M	Right Tilt	20850	17.12	17.80	1.169	0.579	0.677
	LTE Band 7/50RB#0 20M	Right Tilt	21350	17.10	17.80	1.175	0.605	0.711
	LTE Band 7/100RB#0 20M	Right Tilt	21100	17.14	17.80	1.164	0.570	0.664
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 7/1RB#0 20M	Right Cheek	21100	14.55	15.30	1.189	0.335	0.398
	LTE Band 7/1RB#0 20M	Right Tilt	21100	14.55	15.30	1.189	0.362	0.430

	LTE Band 7/1RB#0 20M	Left Cheek	21100	14.55	15.30	1.189	0.117	0.139
	LTE Band 7/1RB#0 20M	Left Tilt	21100	14.55	15.30	1.189	0.110	0.131
	LTE Band 7/1RB#0 20M	Right Tilt	20850	14.48	15.30	1.208	0.352	0.425
	LTE Band 7/1RB#0 20M	Right Tilt	21350	14.45	15.30	1.216	0.368	0.448
	LTE Band 7/50RB#0 20M	Right Cheek	21100	13.63	14.30	1.167	0.248	0.289
	LTE Band 7/50RB#0 20M	Right Tilt	21100	13.63	14.30	1.167	0.268	0.313
	LTE Band 7/50RB#0 20M	Left Cheek	21100	13.63	14.30	1.167	0.087	0.101
	LTE Band 7/50RB#0 20M	Left Tilt	21100	13.63	14.30	1.167	0.081	0.095
	LTE Band 7/50RB#0 20M	Right Tilt	20850	13.58	14.30	1.180	0.260	0.307
	LTE Band 7/50RB#0 20M	Right Tilt	21350	13.56	14.30	1.186	0.272	0.323
Full Power for Ant 0								
	LTE Band 7/1RB#0 20M	Right Cheek	21100	22.55	23.30	1.189	0.324	0.385
	LTE Band 7/1RB#0 20M	Right Tilt	21100	22.55	23.30	1.189	0.221	0.263
	LTE Band 7/1RB#0 20M	Left Cheek	21100	22.55	23.30	1.189	0.154	0.183
	LTE Band 7/1RB#0 20M	Left Tilt	21100	22.55	23.30	1.189	0.138	0.164
	LTE Band 7/1RB#0 20M	Right Cheek	20850	22.48	23.30	1.208	0.311	0.376
	LTE Band 7/1RB#0 20M	Right Cheek	21350	22.45	23.30	1.216	0.313	0.381
	LTE Band 7/50RB#0 20M	Right Cheek	21100	21.63	22.30	1.167	0.240	0.280
	LTE Band 7/50RB#0 20M	Right Tilt	21100	21.63	22.30	1.167	0.164	0.191
	LTE Band 7/50RB#0 20M	Left Cheek	21100	21.63	22.30	1.167	0.114	0.133
	LTE Band 7/50RB#0 20M	Left Tilt	21100	21.63	22.30	1.167	0.102	0.119
	LTE Band 7/50RB#0 20M	Right Cheek	20850	21.58	22.30	1.180	0.230	0.272
	LTE Band 7/50RB#0 20M	Right Cheek	21350	21.56	22.30	1.186	0.232	0.275
Reduced Power Level 1 for Ant 1								
	LTE Band 12/1RB#0 10M	Right Cheek	23095	21.24	21.80	1.138	0.502	0.571
	LTE Band 12/1RB#0 10M	Right Tilt	23095	21.24	21.80	1.138	0.372	0.423
	LTE Band 12/1RB#0 10M	Left Cheek	23095	21.24	21.80	1.138	0.294	0.334
	LTE Band 12/1RB#0 10M	Left Tilt	23095	21.24	21.80	1.138	0.234	0.266
9#	LTE Band 12/1RB#0 10M	Right Cheek	23060	21.19	21.80	1.151	0.501	0.577
	LTE Band 12/1RB#0 10M	Right Cheek	23130	21.19	21.80	1.151	0.496	0.571
	LTE Band 12/25RB#0 10M	Right Cheek	23095	20.33	20.80	1.114	0.371	0.414
	LTE Band 12/25RB#0 10M	Right Tilt	23095	20.33	20.80	1.114	0.275	0.307
	LTE Band 12/25RB#0 10M	Left Cheek	23095	20.33	20.80	1.114	0.218	0.242
	LTE Band 12/25RB#0 10M	Left Tilt	23095	20.33	20.80	1.114	0.173	0.193
	LTE Band 12/25RB#0 10M	Right Cheek	23060	20.29	20.80	1.125	0.371	0.417
	LTE Band 12/25RB#0 10M	Right Cheek	23130	20.27	20.80	1.130	0.367	0.415
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 12/1RB#0 10M	Right Cheek	23095	17.17	17.80	1.156	0.205	0.237

	LTE Band 12/1RB#0 10M	Right Tilt	23095	17.17	17.80	1.156	0.152	0.176
	LTE Band 12/1RB#0 10M	Left Cheek	23095	17.17	17.80	1.156	0.121	0.140
	LTE Band 12/1RB#0 10M	Left Tilt	23095	17.17	17.80	1.156	0.097	0.112
	LTE Band 12/1RB#0 10M	Right Cheek	23060	17.13	17.80	1.167	0.205	0.239
	LTE Band 12/1RB#0 10M	Right Cheek	23130	17.15	17.80	1.161	0.201	0.233
	LTE Band 12/25RB#0 10M	Right Cheek	23095	16.28	16.80	1.127	0.152	0.171
	LTE Band 12/25RB#0 10M	Right Tilt	23095	16.28	16.80	1.127	0.112	0.127
	LTE Band 12/25RB#0 10M	Left Cheek	23095	16.28	16.80	1.127	0.090	0.101
	LTE Band 12/25RB#0 10M	Left Tilt	23095	16.28	16.80	1.127	0.072	0.081
	LTE Band 12/25RB#0 10M	Right Cheek	23060	16.24	16.80	1.138	0.152	0.173
	LTE Band 12/25RB#0 10M	Right Cheek	23130	16.25	16.80	1.135	0.149	0.169
Full Power for Ant 0								
	LTE Band 12/1RB#0 10M	Right Cheek	23095	24.17	24.80	1.156	0.313	0.362
	LTE Band 12/1RB#0 10M	Right Tilt	23095	24.17	24.80	1.156	0.152	0.176
	LTE Band 12/1RB#0 10M	Left Cheek	23095	24.17	24.80	1.156	0.185	0.214
	LTE Band 12/1RB#0 10M	Left Tilt	23095	24.17	24.80	1.156	0.091	0.105
	LTE Band 12/1RB#0 10M	Right Cheek	23060	24.13	24.80	1.167	0.306	0.357
	LTE Band 12/1RB#0 10M	Right Cheek	23130	24.15	24.80	1.161	0.316	0.367
	LTE Band 12/25RB#0 10M	Right Cheek	23095	23.28	23.80	1.127	0.250	0.282
	LTE Band 12/25RB#0 10M	Right Tilt	23095	23.28	23.80	1.127	0.122	0.137
	LTE Band 12/25RB#0 10M	Left Cheek	23095	23.28	23.80	1.127	0.148	0.167
	LTE Band 12/25RB#0 10M	Left Tilt	23095	23.28	23.80	1.127	0.073	0.082
	LTE Band 12/25RB#0 10M	Right Cheek	23060	23.24	23.80	1.138	0.245	0.278
	LTE Band 12/25RB#0 10M	Right Cheek	23130	23.25	23.80	1.135	0.253	0.287
Reduced Power Level 1 for Ant 1								
10#	LTE Band 13/1RB#0 10M	Right Cheek	23230	21.18	21.80	1.153	0.476	0.549
	LTE Band 13/1RB#0 10M	Right Tilt	23230	21.18	21.80	1.153	0.350	0.404
	LTE Band 13/1RB#0 10M	Left Cheek	23230	21.18	21.80	1.153	0.310	0.358
	LTE Band 13/1RB#0 10M	Left Tilt	23230	21.18	21.80	1.153	0.242	0.279
	LTE Band 13/25RB#0 10M	Right Cheek	23230	20.34	20.80	1.112	0.357	0.397
	LTE Band 13/25RB#0 10M	Right Tilt	23230	20.34	20.80	1.112	0.263	0.292
	LTE Band 13/25RB#0 10M	Left Cheek	23230	20.34	20.80	1.112	0.233	0.258
	LTE Band 13/25RB#0 10M	Left Tilt	23230	20.34	20.80	1.112	0.182	0.202
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 13/1RB#0 10M	Right Cheek	23230	16.14	16.80	1.164	0.193	0.225
	LTE Band 13/1RB#0 10M	Right Tilt	23230	16.14	16.80	1.164	0.144	0.168
	LTE Band 13/1RB#0 10M	Left Cheek	23230	16.14	16.80	1.164	0.126	0.147
	LTE Band 13/1RB#0 10M	Left Tilt	23230	16.14	16.80	1.164	0.102	0.119

	LTE Band 13/25RB#0 10M	Right Cheek	23230	15.20	15.80	1.148	0.145	0.166
	LTE Band 13/25RB#0 10M	Right Tilt	23230	15.20	15.80	1.148	0.108	0.124
	LTE Band 13/25RB#0 10M	Left Cheek	23230	15.20	15.80	1.148	0.095	0.109
	LTE Band 13/25RB#0 10M	Left Tilt	23230	15.20	15.80	1.148	0.077	0.088
Full Power for Ant 0								
	LTE Band 13/1RB#0 10M	Right Cheek	23230	23.14	23.80	1.164	0.141	0.164
	LTE Band 13/1RB#0 10M	Right Tilt	23230	23.14	23.80	1.164	0.108	0.126
	LTE Band 13/1RB#0 10M	Left Cheek	23230	23.14	23.80	1.164	0.081	0.094
	LTE Band 13/1RB#0 10M	Left Tilt	23230	23.14	23.80	1.164	0.043	0.050
	LTE Band 13/25RB#0 10M	Right Cheek	23230	22.20	22.50	1.072	0.113	0.121
	LTE Band 13/25RB#0 10M	Right Tilt	23230	22.20	22.50	1.072	0.086	0.093
	LTE Band 13/25RB#0 10M	Left Cheek	23230	22.20	22.50	1.072	0.065	0.069
	LTE Band 13/25RB#0 10M	Left Tilt	23230	22.20	22.50	1.072	0.034	0.037
Reduced Power Level 1 for Ant 1								
11#	LTE Band 18/1RB#0 15M	Right Cheek	23925	21.13	21.80	1.167	0.600	0.700
	LTE Band 18/1RB#0 15M	Right Tilt	23925	21.13	21.80	1.167	0.498	0.581
	LTE Band 18/1RB#0 15M	Left Cheek	23925	21.13	21.80	1.167	0.362	0.422
	LTE Band 18/1RB#0 15M	Left Tilt	23925	21.13	21.80	1.167	0.368	0.429
	LTE Band 18/36RB#0 15M	Right Cheek	23925	20.18	20.80	1.153	0.456	0.526
	LTE Band 18/36RB#0 15M	Right Tilt	23925	20.18	20.80	1.153	0.378	0.437
	LTE Band 18/36RB#0 15M	Left Cheek	23925	20.18	20.80	1.153	0.275	0.317
	LTE Band 18/36RB#0 15M	Left Tilt	23925	20.18	20.80	1.153	0.280	0.323
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 18/1RB#0 15M	Right Cheek	23925	17.13	17.80	1.167	0.381	0.445
	LTE Band 18/1RB#0 15M	Right Tilt	23925	17.13	17.80	1.167	0.316	0.369
	LTE Band 18/1RB#0 15M	Left Cheek	23925	17.13	17.80	1.167	0.233	0.272
	LTE Band 18/1RB#0 15M	Left Tilt	23925	17.13	17.80	1.167	0.238	0.278
	LTE Band 18/36RB#0 15M	Right Cheek	23925	16.18	16.80	1.153	0.288	0.332
	LTE Band 18/36RB#0 15M	Right Tilt	23925	16.18	16.80	1.153	0.242	0.279
	LTE Band 18/36RB#0 15M	Left Cheek	23925	16.18	16.80	1.153	0.175	0.202
	LTE Band 18/36RB#0 15M	Left Tilt	23925	16.18	16.80	1.153	0.183	0.211
Full Power for Ant 0								
	LTE Band 18/1RB#0 15M	Right Cheek	23925	24.13	24.80	1.167	0.215	0.251
	LTE Band 18/1RB#0 15M	Right Tilt	23925	24.13	24.80	1.167	0.139	0.162
	LTE Band 18/1RB#0 15M	Left Cheek	23925	24.13	24.80	1.167	0.091	0.106
	LTE Band 18/1RB#0 15M	Left Tilt	23925	24.13	24.80	1.167	0.052	0.061
	LTE Band 18/36RB#0 15M	Right Cheek	23925	23.18	23.80	1.153	0.172	0.198
	LTE Band 18/36RB#0 15M	Right Tilt	23925	23.18	23.80	1.153	0.111	0.128

	LTE Band 18/36RB#0 15M	Left Cheek	23925	23.18	23.80	1.153	0.073	0.084
	LTE Band 18/36RB#0 15M	Left Tilt	23925	23.18	23.80	1.153	0.042	0.048
Reduced Power Level 1 for Ant 1								
	LTE Band 25/1RB#0 20M	Right Cheek	26365	15.58	16.30	1.180	0.580	0.685
12#	LTE Band 25/1RB#0 20M	Right Tilt	26365	15.58	16.30	1.180	0.655	0.773
	LTE Band 25/1RB#0 20M	Left Cheek	26365	15.58	16.30	1.180	0.304	0.359
	LTE Band 25/1RB#0 20M	Left Tilt	26365	15.58	16.30	1.180	0.371	0.438
	LTE Band 25/1RB#0 20M	Right Tilt	26140	15.50	16.30	1.202	0.489	0.588
	LTE Band 25/1RB#0 20M	Right Tilt	26590	15.52	16.30	1.197	0.535	0.640
	LTE Band 25/50RB#0 20M	Right Cheek	26365	14.68	15.30	1.153	0.423	0.488
	LTE Band 25/50RB#0 20M	Right Tilt	26365	14.68	15.30	1.153	0.478	0.552
	LTE Band 25/50RB#0 20M	Left Cheek	26365	14.68	15.30	1.153	0.222	0.256
	LTE Band 25/50RB#0 20M	Left Tilt	26365	14.68	15.30	1.153	0.271	0.312
	LTE Band 25/50RB#0 20M	Right Tilt	26140	14.64	15.30	1.164	0.357	0.416
	LTE Band 25/50RB#0 20M	Right Tilt	26590	14.67	15.30	1.156	0.391	0.452
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 25/1RB#0 20M	Right Cheek	26365	12.53	13.30	1.194	0.292	0.349
	LTE Band 25/1RB#0 20M	Right Tilt	26365	12.53	13.30	1.194	0.332	0.396
	LTE Band 25/1RB#0 20M	Left Cheek	26365	12.53	13.30	1.194	0.155	0.185
	LTE Band 25/1RB#0 20M	Left Tilt	26365	12.53	13.30	1.194	0.191	0.228
	LTE Band 25/1RB#0 20M	Right Tilt	26140	12.48	13.30	1.208	0.247	0.298
	LTE Band 25/1RB#0 20M	Right Tilt	26590	12.45	13.30	1.216	0.272	0.331
	LTE Band 25/50RB#0 20M	Right Cheek	26365	11.65	12.30	1.161	0.216	0.251
	LTE Band 25/50RB#0 20M	Right Tilt	26365	11.65	12.30	1.161	0.246	0.285
	LTE Band 25/50RB#0 20M	Left Cheek	26365	11.65	12.30	1.161	0.115	0.133
	LTE Band 25/50RB#0 20M	Left Tilt	26365	11.65	12.30	1.161	0.141	0.164
	LTE Band 25/50RB#0 20M	Right Tilt	26140	11.62	12.30	1.169	0.183	0.214
	LTE Band 25/50RB#0 20M	Right Tilt	26590	11.60	12.30	1.175	0.201	0.236
Full Power for Ant 4								
	LTE Band 25/1RB#0 20M	Right Cheek	26365	24.03	24.80	1.194	0.255	0.304
	LTE Band 25/1RB#0 20M	Right Tilt	26365	24.03	24.80	1.194	0.075	0.090
	LTE Band 25/1RB#0 20M	Left Cheek	26365	24.03	24.80	1.194	0.110	0.131
	LTE Band 25/1RB#0 20M	Left Tilt	26365	24.03	24.80	1.194	0.042	0.050
	LTE Band 25/1RB#0 20M	Right Cheek	26140	23.98	24.80	1.208	0.227	0.274
	LTE Band 25/1RB#0 20M	Right Cheek	26590	23.95	24.80	1.216	0.277	0.337
	LTE Band 25/50RB#0 20M	Right Cheek	26365	23.15	23.80	1.161	0.204	0.237
	LTE Band 25/50RB#0 20M	Right Tilt	26365	23.15	23.80	1.161	0.060	0.070
	LTE Band 25/50RB#0 20M	Left Cheek	26365	23.15	23.80	1.161	0.088	0.102

	LTE Band 25/50RB#0 20M	Left Tilt	26365	23.15	23.80	1.161	0.033	0.039
	LTE Band 25/50RB#0 20M	Right Cheek	26140	23.12	23.80	1.169	0.182	0.212
	LTE Band 25/50RB#0 20M	Right Cheek	26590	23.10	23.80	1.175	0.222	0.260
Full Power for Ant 0								
	LTE Band 25/1RB#0 20M	Right Cheek	26365	24.03	24.80	1.194	0.158	0.189
	LTE Band 25/1RB#0 20M	Right Tilt	26365	24.03	24.80	1.194	0.126	0.150
	LTE Band 25/1RB#0 20M	Left Cheek	26365	24.03	24.80	1.194	0.054	0.064
	LTE Band 25/1RB#0 20M	Left Tilt	26365	24.03	24.80	1.194	0.025	0.029
	LTE Band 25/1RB#0 20M	Right Cheek	26140	23.98	24.80	1.208	0.124	0.150
	LTE Band 25/1RB#0 20M	Right Cheek	26590	23.95	24.80	1.216	0.188	0.228
	LTE Band 25/50RB#0 20M	Right Cheek	26365	23.15	23.80	1.161	0.127	0.147
	LTE Band 25/50RB#0 20M	Right Tilt	26365	23.15	23.80	1.161	0.101	0.117
	LTE Band 25/50RB#0 20M	Left Cheek	26365	23.15	23.80	1.161	0.043	0.050
	LTE Band 25/50RB#0 20M	Left Tilt	26365	23.15	23.80	1.161	0.020	0.023
	LTE Band 25/50RB#0 20M	Right Cheek	26140	23.12	23.80	1.169	0.099	0.116
	LTE Band 25/50RB#0 20M	Right Cheek	26590	23.10	23.80	1.175	0.150	0.176
Reduced Power Level 1 for Ant 1								
	LTE Band 26/1RB#0 15M	Right Cheek	26865	21.66	22.30	1.159	0.674	0.781
	LTE Band 26/1RB#0 15M	Right Tilt	26865	21.66	22.30	1.159	0.485	0.562
	LTE Band 26/1RB#0 15M	Left Cheek	26865	21.66	22.30	1.159	0.504	0.584
	LTE Band 26/1RB#0 15M	Left Tilt	26865	21.66	22.30	1.159	0.402	0.466
13#	LTE Band 26/1RB#0 15M	Right Cheek	26765	21.61	22.30	1.172	0.716	0.839
	LTE Band 26/1RB#0 15M	Right Cheek	26965	21.62	22.30	1.169	0.696	0.814
	LTE Band 26/36RB#0 15M	Right Cheek	26865	20.65	21.30	1.161	0.499	0.579
	LTE Band 26/36RB#0 15M	Right Tilt	26865	20.65	21.30	1.161	0.359	0.417
	LTE Band 26/36RB#0 15M	Left Cheek	26865	20.65	21.30	1.161	0.373	0.433
	LTE Band 26/36RB#0 15M	Left Tilt	26865	20.65	21.30	1.161	0.297	0.346
	LTE Band 26/36RB#0 15M	Right Cheek	26765	20.61	21.30	1.172	0.530	0.621
	LTE Band 26/36RB#0 15M	Right Cheek	26965	20.63	21.30	1.167	0.515	0.601
	LTE Band 26/75RB#0 15M	Right Cheek	26865	20.64	22.30	1.466	0.460	0.674
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 26/1RB#0 15M	Right Cheek	26865	17.63	18.30	1.167	0.272	0.317
	LTE Band 26/1RB#0 15M	Right Tilt	26865	17.63	18.30	1.167	0.196	0.229
	LTE Band 26/1RB#0 15M	Left Cheek	26865	17.63	18.30	1.167	0.205	0.239
	LTE Band 26/1RB#0 15M	Left Tilt	26865	17.63	18.30	1.167	0.164	0.191
	LTE Band 26/1RB#0 15M	Right Cheek	26765	17.61	18.30	1.172	0.288	0.338
	LTE Band 26/1RB#0 15M	Right Cheek	26965	17.59	18.30	1.178	0.277	0.326
	LTE Band 26/36RB#0 15M	Right Cheek	26865	16.68	17.30	1.153	0.201	0.232

	LTE Band 26/36RB#0 15M	Right Tilt	26865	16.68	17.30	1.153	0.145	0.167
	LTE Band 26/36RB#0 15M	Left Cheek	26865	16.68	17.30	1.153	0.152	0.175
	LTE Band 26/36RB#0 15M	Left Tilt	26865	16.68	17.30	1.153	0.121	0.140
	LTE Band 26/36RB#0 15M	Right Cheek	26765	16.64	17.30	1.164	0.213	0.248
	LTE Band 26/36RB#0 15M	Right Cheek	26965	16.62	17.30	1.169	0.205	0.240
Full Power for Ant 0								
	LTE Band 26/1RB#0 15M	Right Cheek	26865	24.13	24.80	1.167	0.198	0.231
	LTE Band 26/1RB#0 15M	Right Tilt	26865	24.13	24.80	1.167	0.152	0.177
	LTE Band 26/1RB#0 15M	Left Cheek	26865	24.13	24.80	1.167	0.099	0.116
	LTE Band 26/1RB#0 15M	Left Tilt	26865	24.13	24.80	1.167	0.051	0.060
	LTE Band 26/1RB#0 15M	Right Cheek	26765	24.11	24.80	1.172	0.206	0.241
	LTE Band 26/1RB#0 15M	Right Cheek	26965	24.09	24.80	1.178	0.199	0.234
	LTE Band 26/36RB#0 15M	Right Cheek	26865	23.18	23.80	1.153	0.158	0.183
	LTE Band 26/36RB#0 15M	Right Tilt	26865	23.18	23.80	1.153	0.122	0.140
	LTE Band 26/36RB#0 15M	Left Cheek	26865	23.18	23.80	1.153	0.079	0.091
	LTE Band 26/36RB#0 15M	Left Tilt	26865	23.18	23.80	1.153	0.041	0.047
	LTE Band 26/36RB#0 15M	Right Cheek	26765	23.14	23.80	1.164	0.165	0.192
	LTE Band 26/36RB#0 15M	Right Cheek	26965	23.12	23.80	1.169	0.159	0.186
Reduced Power Level 1 for Ant 1								
	LTE Band 38/1RB#0 20M	Right Cheek	38000	17.16	17.80	1.159	0.567	0.661
	LTE Band 38/1RB#0 20M	Right Tilt	38000	17.16	17.80	1.159	0.575	0.670
	LTE Band 38/1RB#0 20M	Left Cheek	38000	17.16	17.80	1.159	0.219	0.255
	LTE Band 38/1RB#0 20M	Left Tilt	38000	17.16	17.80	1.159	0.207	0.241
14#	LTE Band 38/1RB#0 20M	Right Tilt	37850	17.12	17.80	1.169	0.616	0.725
	LTE Band 38/1RB#0 20M	Right Tilt	38150	17.04	17.80	1.191	0.585	0.701
	LTE Band 38/50RB#0 20M	Right Cheek	38000	16.11	16.80	1.172	0.420	0.495
	LTE Band 38/50RB#0 20M	Right Tilt	38000	16.11	16.80	1.172	0.426	0.502
	LTE Band 38/50RB#0 20M	Left Cheek	38000	16.11	16.80	1.172	0.162	0.191
	LTE Band 38/50RB#0 20M	Left Tilt	38000	16.11	16.80	1.172	0.153	0.181
	LTE Band 38/50RB#0 20M	Right Cheek	37850	16.10	16.80	1.175	0.456	0.539
	LTE Band 38/50RB#0 20M	Right Cheek	38150	16.02	16.80	1.197	0.433	0.521
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 38/1RB#0 20M	Right Cheek	38000	13.15	13.80	1.161	0.230	0.269
	LTE Band 38/1RB#0 20M	Right Tilt	38000	13.15	13.80	1.161	0.236	0.276
	LTE Band 38/1RB#0 20M	Left Cheek	38000	13.15	13.80	1.161	0.091	0.106
	LTE Band 38/1RB#0 20M	Left Tilt	38000	13.15	13.80	1.161	0.085	0.099
	LTE Band 38/1RB#0 20M	Right Cheek	37850	13.12	13.80	1.169	0.254	0.299
	LTE Band 38/1RB#0 20M	Right Cheek	38150	13.08	13.80	1.180	0.238	0.283

	LTE Band 38/50RB#0 20M	Right Cheek	38000	12.13	12.80	1.167	0.264	0.310
	LTE Band 38/50RB#0 20M	Right Tilt	38000	12.13	12.80	1.167	0.269	0.315
	LTE Band 38/50RB#0 20M	Left Cheek	38000	12.13	12.80	1.167	0.104	0.122
	LTE Band 38/50RB#0 20M	Left Tilt	38000	12.13	12.80	1.167	0.097	0.114
	LTE Band 38/50RB#0 20M	Right Cheek	37850	12.10	12.80	1.175	0.287	0.339
	LTE Band 38/50RB#0 20M	Right Cheek	38150	12.05	12.80	1.189	0.272	0.326
Full Power for Ant 0								
	LTE Band 38/1RB#0 20M	Right Cheek	38000	23.15	23.80	1.161	0.206	0.240
	LTE Band 38/1RB#0 20M	Right Tilt	38000	23.15	23.80	1.161	0.049	0.057
	LTE Band 38/1RB#0 20M	Left Cheek	38000	23.15	23.80	1.161	0.038	0.045
	LTE Band 38/1RB#0 20M	Left Tilt	38000	23.15	23.80	1.161	0.036	0.042
	LTE Band 38/1RB#0 20M	Right Cheek	37850	23.12	23.80	1.169	0.201	0.236
	LTE Band 38/1RB#0 20M	Right Cheek	38150	23.08	23.80	1.180	0.205	0.244
	LTE Band 38/50RB#0 20M	Right Cheek	38000	22.13	22.80	1.167	0.164	0.193
	LTE Band 38/50RB#0 20M	Right Tilt	38000	22.13	22.80	1.167	0.039	0.046
	LTE Band 38/50RB#0 20M	Left Cheek	38000	22.13	22.80	1.167	0.030	0.036
	LTE Band 38/50RB#0 20M	Left Tilt	38000	22.13	22.80	1.167	0.029	0.034
	LTE Band 38/50RB#0 20M	Right Cheek	37850	22.10	22.80	1.175	0.161	0.190
	LTE Band 38/50RB#0 20M	Right Cheek	38150	22.05	22.80	1.189	0.164	0.196
Reduced Power Level 1 for Ant 1 (HPUE)								
	LTE Band 41/1RB#0 20M	Right Cheek	40620	15.71	16.40	1.172	0.328	0.387
	LTE Band 41/1RB#0 20M	Right Tilt	40620	15.71	16.40	1.172	0.418	0.493
	LTE Band 41/1RB#0 20M	Left Cheek	40620	15.71	16.40	1.172	0.123	0.145
	LTE Band 41/1RB#0 20M	Left Tilt	40620	15.71	16.40	1.172	0.136	0.160
15#	LTE Band 41/1RB#0 20M	Right Tilt	39750	15.36	16.40	1.271	0.488	0.624
	LTE Band 41/1RB#0 20M	Right Tilt	40185	15.34	16.40	1.276	0.468	0.601
	LTE Band 41/1RB#0 20M	Right Tilt	41055	15.61	16.40	1.199	0.345	0.416
	LTE Band 41/1RB#0 20M	Right Tilt	41490	15.58	16.40	1.208	0.292	0.355
	LTE Band 41/50RB#0 20M	Right Cheek	40620	14.69	15.40	1.178	0.239	0.284
	LTE Band 41/50RB#0 20M	Right Tilt	40620	14.69	15.40	1.178	0.305	0.361
	LTE Band 41/50RB#0 20M	Left Cheek	40620	14.69	15.40	1.178	0.090	0.106
	LTE Band 41/50RB#0 20M	Left Tilt	40620	14.69	15.40	1.178	0.099	0.118
	LTE Band 41/50RB#0 20M	Right Tilt	39750	14.44	15.40	1.247	0.356	0.447
	LTE Band 41/50RB#0 20M	Right Tilt	40185	14.43	15.40	1.250	0.342	0.430
	LTE Band 41/50RB#0 20M	Right Tilt	41055	14.64	15.40	1.191	0.252	0.302
	LTE Band 41/50RB#0 20M	Right Tilt	41490	14.57	15.40	1.211	0.213	0.260
Reduced Power Level 3 for Simultaneous Transmission								

(HPUE)								
	LTE Band 41/1RB#0 20M	Right Cheek	40620	12.14	12.90	1.191	0.151	0.181
	LTE Band 41/1RB#0 20M	Right Tilt	40620	12.14	12.90	1.191	0.192	0.230
	LTE Band 41/1RB#0 20M	Left Cheek	40620	12.14	12.90	1.191	0.058	0.070
	LTE Band 41/1RB#0 20M	Left Tilt	40620	12.14	12.90	1.191	0.066	0.079
	LTE Band 41/1RB#0 20M	Right Tilt	39750	11.85	12.90	1.274	0.227	0.291
	LTE Band 41/1RB#0 20M	Right Tilt	40185	11.83	12.90	1.279	0.215	0.277
	LTE Band 41/1RB#0 20M	Right Tilt	41055	12.10	12.90	1.202	0.159	0.192
	LTE Band 41/1RB#0 20M	Right Tilt	41490	12.08	12.90	1.208	0.138	0.168
	LTE Band 41/50RB#0 20M	Right Cheek	40620	11.15	11.90	1.189	0.115	0.137
	LTE Band 41/50RB#0 20M	Right Tilt	40620	11.15	11.90	1.189	0.146	0.174
	LTE Band 41/50RB#0 20M	Left Cheek	40620	11.15	11.90	1.189	0.044	0.053
	LTE Band 41/50RB#0 20M	Left Tilt	40620	11.15	11.90	1.189	0.050	0.060
	LTE Band 41/50RB#0 20M	Right Tilt	39750	10.93	11.90	1.250	0.173	0.217
	LTE Band 41/50RB#0 20M	Right Tilt	40185	10.89	11.90	1.262	0.163	0.207
	LTE Band 41/50RB#0 20M	Right Tilt	41055	11.08	11.90	1.208	0.121	0.147
	LTE Band 41/50RB#0 20M	Right Tilt	41490	11.01	11.90	1.227	0.105	0.130
Full Power for Ant 4 (HPUE)								
	LTE Band 41/1RB#0 20M	Right Cheek	40620	25.64	26.40	1.191	0.337	0.404
	LTE Band 41/1RB#0 20M	Right Tilt	40620	25.64	26.40	1.191	0.161	0.193
	LTE Band 41/1RB#0 20M	Left Cheek	40620	25.64	26.40	1.191	0.203	0.243
	LTE Band 41/1RB#0 20M	Left Tilt	40620	25.64	26.40	1.191	0.079	0.095
	LTE Band 41/1RB#0 20M	Right Cheek	39750	25.35	26.40	1.274	0.312	0.400
	LTE Band 41/1RB#0 20M	Right Cheek	40185	25.33	26.40	1.279	0.308	0.396
	LTE Band 41/1RB#0 20M	Right Cheek	41055	25.60	26.40	1.202	0.278	0.336
	LTE Band 41/1RB#0 20M	Right Cheek	41490	25.58	26.40	1.208	0.243	0.295
	LTE Band 41/50RB#0 20M	Right Cheek	40620	24.65	25.40	1.189	0.249	0.298
	LTE Band 41/50RB#0 20M	Right Tilt	40620	24.65	25.40	1.189	0.119	0.142
	LTE Band 41/50RB#0 20M	Left Cheek	40620	24.65	25.40	1.189	0.150	0.180
	LTE Band 41/50RB#0 20M	Left Tilt	40620	24.65	25.40	1.189	0.059	0.070
	LTE Band 41/50RB#0 20M	Right Cheek	39750	24.43	25.40	1.250	0.231	0.290
	LTE Band 41/50RB#0 20M	Right Cheek	40185	24.39	25.40	1.262	0.228	0.289
	LTE Band 41/50RB#0 20M	Right Cheek	41055	24.58	25.40	1.208	0.206	0.250
	LTE Band 41/50RB#0 20M	Right Cheek	41490	24.51	25.40	1.227	0.180	0.222
Full Power for Ant 0 (HPUE)								
	LTE Band 41/1RB#0 20M	Right Cheek	40620	25.64	26.40	1.191	0.188	0.225

	LTE Band 41/1RB#0 20M	Right Tilt	40620	25.64	26.40	1.191	0.138	0.165
	LTE Band 41/1RB#0 20M	Left Cheek	40620	25.64	26.40	1.191	0.140	0.167
	LTE Band 41/1RB#0 20M	Left Tilt	40620	25.64	26.40	1.191	0.130	0.155
	LTE Band 41/1RB#0 20M	Right Cheek	39750	25.35	26.40	1.274	0.216	0.277
	LTE Band 41/1RB#0 20M	Right Cheek	40185	25.33	26.40	1.279	0.173	0.222
	LTE Band 41/1RB#0 20M	Right Cheek	41055	25.60	26.40	1.202	0.109	0.132
	LTE Band 41/1RB#0 20M	Right Cheek	41490	25.58	26.40	1.208	0.125	0.152
	LTE Band 41/50RB#0 20M	Right Cheek	40620	24.65	25.40	1.189	0.141	0.168
	LTE Band 41/50RB#0 20M	Right Tilt	40620	24.65	25.40	1.189	0.103	0.123
	LTE Band 41/50RB#0 20M	Left Cheek	40620	24.65	25.40	1.189	0.105	0.125
	LTE Band 41/50RB#0 20M	Left Tilt	40620	24.65	25.40	1.189	0.097	0.116
	LTE Band 41/50RB#0 20M	Right Cheek	39750	24.43	25.40	1.250	0.162	0.204
	LTE Band 41/50RB#0 20M	Right Cheek	40185	24.39	25.40	1.262	0.129	0.164
	LTE Band 41/50RB#0 20M	Right Cheek	41055	24.58	25.40	1.208	0.082	0.099
	LTE Band 41/50RB#0 20M	Right Cheek	41490	24.51	25.40	1.227	0.094	0.116
Reduced Power Level 1 for Ant 1								
	LTE Band 41/1RB#0 20M	Right Cheek	40620	15.16	15.80	1.159	0.414	0.483
	LTE Band 41/1RB#0 20M	Right Tilt	40620	15.16	15.80	1.159	0.424	0.494
	LTE Band 41/1RB#0 20M	Left Cheek	40620	15.16	15.80	1.159	0.147	0.171
	LTE Band 41/1RB#0 20M	Left Tilt	40620	15.16	15.80	1.159	0.152	0.177
	LTE Band 41/1RB#0 20M	Right Tilt	39750	14.79	15.80	1.262	0.456	0.579
	LTE Band 41/1RB#0 20M	Right Tilt	40185	14.70	15.80	1.288	0.448	0.581
	LTE Band 41/1RB#0 20M	Right Tilt	41055	15.14	15.80	1.164	0.360	0.422
	LTE Band 41/1RB#0 20M	Right Tilt	41490	15.11	15.80	1.172	0.292	0.344
	LTE Band 41/50RB#0 20M	Right Cheek	40620	14.18	14.80	1.153	0.302	0.351
	LTE Band 41/50RB#0 20M	Right Tilt	40620	14.18	14.80	1.153	0.310	0.359
	LTE Band 41/50RB#0 20M	Left Cheek	40620	14.18	14.80	1.153	0.107	0.125
	LTE Band 41/50RB#0 20M	Left Tilt	40620	14.18	14.80	1.153	0.111	0.129
	LTE Band 41/50RB#0 20M	Right Tilt	39750	13.70	14.80	1.288	0.333	0.431
	LTE Band 41/50RB#0 20M	Right Tilt	40185	13.76	14.80	1.271	0.327	0.418
	LTE Band 41/50RB#0 20M	Right Tilt	41055	14.16	14.80	1.159	0.263	0.306
	LTE Band 41/50RB#0 20M	Right Tilt	41490	14.13	14.80	1.167	0.213	0.250
	LTE Band 41C/1RB#0 20M+20M	Right Tilt	40620	14.63	13.50	0.771	0.425	0.330
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 41/1RB#0 20M	Right Cheek	40620	13.16	13.80	1.159	0.263	0.307
	LTE Band 41/1RB#0 20M	Right Tilt	40620	13.16	13.80	1.159	0.272	0.317
	LTE Band 41/1RB#0 20M	Left Cheek	40620	13.16	13.80	1.159	0.094	0.110

	LTE Band 41/1RB#0 20M	Left Tilt	40620	13.16	13.80	1.159	0.098	0.114
	LTE Band 41/1RB#0 20M	Right Tilt	39750	12.79	13.80	1.262	0.294	0.373
	LTE Band 41/1RB#0 20M	Right Tilt	40185	12.70	13.80	1.288	0.288	0.373
	LTE Band 41/1RB#0 20M	Right Tilt	41055	13.14	13.80	1.164	0.231	0.271
	LTE Band 41/1RB#0 20M	Right Tilt	41490	13.11	13.80	1.172	0.188	0.222
	LTE Band 41/50RB#0 20M	Right Cheek	40620	12.18	12.80	1.153	0.195	0.226
	LTE Band 41/50RB#0 20M	Right Tilt	40620	12.18	12.80	1.153	0.201	0.234
	LTE Band 41/50RB#0 20M	Left Cheek	40620	12.18	12.80	1.153	0.070	0.081
	LTE Band 41/50RB#0 20M	Left Tilt	40620	12.18	12.80	1.153	0.073	0.084
	LTE Band 41/50RB#0 20M	Right Tilt	39750	11.70	12.80	1.288	0.218	0.282
	LTE Band 41/50RB#0 20M	Right Tilt	40185	11.76	12.80	1.271	0.213	0.272
	LTE Band 41/50RB#0 20M	Right Tilt	41055	12.16	12.80	1.159	0.171	0.199
	LTE Band 41/50RB#0 20M	Right Tilt	41490	12.13	12.80	1.167	0.139	0.163
	LTE Band 41C/1RB#0 20M+20M	Right Tilt	40620	12.63	13.50	1.222	0.272	0.334
Full Power for Ant 4								
	LTE Band 41/1RB#0 20M	Right Cheek	40620	23.16	23.80	1.159	0.255	0.297
	LTE Band 41/1RB#0 20M	Right Tilt	40620	23.16	23.80	1.159	0.118	0.138
	LTE Band 41/1RB#0 20M	Left Cheek	40620	23.16	23.80	1.159	0.157	0.183
	LTE Band 41/1RB#0 20M	Left Tilt	40620	23.16	23.80	1.159	0.059	0.069
	LTE Band 41/1RB#0 20M	Right Cheek	39750	22.79	23.80	1.262	0.187	0.238
	LTE Band 41/1RB#0 20M	Right Cheek	40185	22.70	23.80	1.288	0.185	0.239
	LTE Band 41/1RB#0 20M	Right Cheek	41055	23.14	23.80	1.164	0.167	0.195
	LTE Band 41/1RB#0 20M	Right Cheek	41490	23.11	23.80	1.172	0.146	0.172
	LTE Band 41/50RB#0 20M	Right Cheek	40620	22.18	22.80	1.153	0.204	0.237
	LTE Band 41/50RB#0 20M	Right Tilt	40620	22.18	22.80	1.153	0.094	0.110
	LTE Band 41/50RB#0 20M	Left Cheek	40620	22.18	22.80	1.153	0.126	0.146
	LTE Band 41/50RB#0 20M	Left Tilt	40620	22.18	22.80	1.153	0.047	0.055
	LTE Band 41/50RB#0 20M	Right Cheek	39750	21.70	22.80	1.288	0.150	0.194
	LTE Band 41/50RB#0 20M	Right Cheek	40185	21.76	22.80	1.271	0.148	0.189
	LTE Band 41/50RB#0 20M	Right Cheek	41055	22.16	22.80	1.159	0.133	0.156
	LTE Band 41/50RB#0 20M	Right Cheek	41490	22.13	22.80	1.167	0.117	0.137
	LTE Band 41C/1RB#0 20M+20M	Right Cheek	40620	22.63	23.50	1.222	0.201	0.247
Full Power for Ant 0								
	LTE Band 41/1RB#0 20M	Right Cheek	40620	23.16	23.80	1.159	0.337	0.393
	LTE Band 41/1RB#0 20M	Right Tilt	40620	23.16	23.80	1.159	0.218	0.254
	LTE Band 41/1RB#0 20M	Left Cheek	40620	23.16	23.80	1.159	0.059	0.069

	LTE Band 41/1RB#0 20M	Left Tilt	40620	23.16	23.80	1.159	0.132	0.154
	LTE Band 41/1RB#0 20M	Right Cheek	39750	22.79	23.80	1.262	0.323	0.410
	LTE Band 41/1RB#0 20M	Right Cheek	40185	22.70	23.80	1.288	0.339	0.439
	LTE Band 41/1RB#0 20M	Right Cheek	41055	23.14	23.80	1.164	0.295	0.345
	LTE Band 41/1RB#0 20M	Right Cheek	41490	23.11	23.80	1.172	0.243	0.287
	LTE Band 41/50RB#0 20M	Right Cheek	40620	22.18	22.80	1.153	0.270	0.313
	LTE Band 41/50RB#0 20M	Right Tilt	40620	22.18	22.80	1.153	0.174	0.202
	LTE Band 41/50RB#0 20M	Left Cheek	40620	22.18	22.80	1.153	0.047	0.055
	LTE Band 41/50RB#0 20M	Left Tilt	40620	22.18	22.80	1.153	0.106	0.123
	LTE Band 41/50RB#0 20M	Right Cheek	39750	21.70	22.80	1.288	0.258	0.335
	LTE Band 41/50RB#0 20M	Right Cheek	40185	21.76	22.80	1.271	0.271	0.347
	LTE Band 41/50RB#0 20M	Right Cheek	41055	22.16	22.80	1.159	0.236	0.275
	LTE Band 41/50RB#0 20M	Right Cheek	41490	22.13	22.80	1.167	0.194	0.228
	LTE Band 41C/1RB#0 20M+20M	Right Cheek	40620	22.63	23.50	1.222	0.115	0.141
Reduced Power Level 1 for Ant 1								
	LTE Band 48/1RB#0 20M	Right Cheek	55990	20.81	21.30	1.119	0.169	0.190
	LTE Band 48/1RB#0 20M	Right Tilt	55990	20.81	21.30	1.119	0.057	0.064
	LTE Band 48/1RB#0 20M	Left Cheek	55990	20.81	21.30	1.119	0.623	0.702
	LTE Band 48/1RB#0 20M	Left Tilt	55990	20.81	21.30	1.119	0.100	0.113
	LTE Band 48/1RB#0 20M	Left Cheek	55340	20.75	21.30	1.135	0.390	0.445
	LTE Band 48/1RB#0 20M	Left Cheek	55830	20.67	21.30	1.156	0.556	0.647
	LTE Band 48/1RB#0 20M	Left Cheek	56150	20.74	21.30	1.138	0.718	0.822
16#	LTE Band 48/1RB#0 20M	Left Cheek	56640	20.78	21.30	1.127	0.888	1.007
	LTE Band 48/50RB#0 20M	Right Cheek	55990	19.78	20.30	1.127	0.127	0.144
	LTE Band 48/50RB#0 20M	Right Tilt	55990	19.78	20.30	1.127	0.043	0.048
	LTE Band 48/50RB#0 20M	Left Cheek	55990	19.78	20.30	1.127	0.467	0.530
	LTE Band 48/50RB#0 20M	Left Tilt	55990	19.78	20.30	1.127	0.075	0.085
	LTE Band 48/50RB#0 20M	Left Cheek	55340	19.74	20.30	1.138	0.293	0.335
	LTE Band 48/50RB#0 20M	Left Cheek	55830	19.67	20.30	1.156	0.417	0.485
	LTE Band 48/50RB#0 20M	Left Cheek	56150	19.73	20.30	1.140	0.539	0.618
	LTE Band 48/50RB#0 20M	Left Cheek	56640	19.77	20.30	1.130	0.666	0.757
	LTE Band 48/100RB#0 20M	Left Cheek	55990	19.69	20.30	1.151	0.508	0.588
	LTE Band 48C/1RB#0 20M+20M	Left Cheek	55990	20.22	17.50	0.535	0.578	0.311
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 48/1RB#0 20M	Right Cheek	55990	17.31	17.80	1.119	0.081	0.091

	LTE Band 48/1RB#0 20M	Right Tilt	55990	17.31	17.80	1.119	0.028	0.032
	LTE Band 48/1RB#0 20M	Left Cheek	55990	17.31	17.80	1.119	0.285	0.321
	LTE Band 48/1RB#0 20M	Left Tilt	55990	17.31	17.80	1.119	0.048	0.054
	LTE Band 48/1RB#0 20M	Left Cheek	55340	17.25	17.80	1.135	0.181	0.207
	LTE Band 48/1RB#0 20M	Left Cheek	55830	17.17	17.80	1.156	0.253	0.294
	LTE Band 48/1RB#0 20M	Left Cheek	56150	17.24	17.80	1.138	0.328	0.375
	LTE Band 48/1RB#0 20M	Left Cheek	56640	17.28	17.80	1.127	0.405	0.459
	LTE Band 48/50RB#0 20M	Right Cheek	55990	16.28	16.80	1.127	0.060	0.068
	LTE Band 48/50RB#0 20M	Right Tilt	55990	16.28	16.80	1.127	0.021	0.023
	LTE Band 48/50RB#0 20M	Left Cheek	55990	16.28	16.80	1.127	0.211	0.239
	LTE Band 48/50RB#0 20M	Left Tilt	55990	16.28	16.80	1.127	0.036	0.040
	LTE Band 48/50RB#0 20M	Left Cheek	55340	16.24	16.80	1.138	0.134	0.153
	LTE Band 48/50RB#0 20M	Left Cheek	55830	16.17	16.80	1.156	0.187	0.218
	LTE Band 48/50RB#0 20M	Left Cheek	56150	16.23	16.80	1.140	0.243	0.278
	LTE Band 48/50RB#0 20M	Left Cheek	56640	16.27	16.80	1.130	0.300	0.341
	LTE Band 48C/1RB#0 20M+20M	Left Cheek	55990	16.72	17.50	1.197	0.257	0.309
Full Power for Ant 4								
	LTE Band 48/1RB#0 20M	Right Cheek	55990	23.31	23.80	1.119	0.310	0.349
	LTE Band 48/1RB#0 20M	Right Tilt	55990	23.31	23.80	1.119	0.129	0.145
	LTE Band 48/1RB#0 20M	Left Cheek	55990	23.31	23.80	1.119	0.236	0.266
	LTE Band 48/1RB#0 20M	Left Tilt	55990	23.31	23.80	1.119	0.074	0.083
	LTE Band 48/1RB#0 20M	Right Cheek	55340	23.25	23.80	1.135	0.130	0.148
	LTE Band 48/1RB#0 20M	Right Cheek	55830	23.17	23.80	1.156	0.227	0.264
	LTE Band 48/1RB#0 20M	Right Cheek	56150	23.24	23.80	1.138	0.197	0.225
	LTE Band 48/1RB#0 20M	Right Cheek	56640	23.28	23.80	1.127	0.165	0.187
	LTE Band 48/50RB#0 20M	Right Cheek	55990	22.28	22.80	1.127	0.229	0.260
	LTE Band 48/50RB#0 20M	Right Tilt	55990	22.28	22.80	1.127	0.095	0.108
	LTE Band 48/50RB#0 20M	Left Cheek	55990	22.28	22.80	1.127	0.175	0.198
	LTE Band 48/50RB#0 20M	Left Tilt	55990	22.28	22.80	1.127	0.055	0.062
	LTE Band 48/50RB#0 20M	Right Cheek	55340	22.24	22.80	1.138	0.096	0.110
	LTE Band 48/50RB#0 20M	Right Cheek	55830	22.17	22.80	1.156	0.168	0.195
	LTE Band 48/50RB#0 20M	Right Cheek	56150	22.23	22.80	1.140	0.146	0.167
	LTE Band 48/50RB#0 20M	Right Cheek	56640	22.27	22.80	1.130	0.122	0.139
	LTE Band 48C/1RB#0 20M+20M	Right Cheek	55990	22.72	23.50	1.197	0.269	0.324
Full Power for Ant 5								
	LTE Band 48/1RB#0 20M	Right Cheek	55990	23.31	23.80	1.119	0.042	0.047

	LTE Band 48/1RB#0 20M	Right Tilt	55990	23.31	23.80	1.119	0.045	0.050
	LTE Band 48/1RB#0 20M	Left Cheek	55990	23.31	23.80	1.119	0.071	0.080
	LTE Band 48/1RB#0 20M	Left Tilt	55990	23.31	23.80	1.119	0.025	0.028
	LTE Band 48/1RB#0 20M	Left Cheek	55340	23.25	23.80	1.135	0.058	0.066
	LTE Band 48/1RB#0 20M	Left Cheek	55830	23.17	23.80	1.156	0.077	0.090
	LTE Band 48/1RB#0 20M	Left Cheek	56150	23.24	23.80	1.138	0.069	0.079
	LTE Band 48/1RB#0 20M	Left Cheek	56640	23.28	23.80	1.127	0.073	0.083
	LTE Band 48/50RB#0 20M	Right Cheek	55990	22.28	22.80	1.127	0.030	0.035
	LTE Band 48/50RB#0 20M	Right Tilt	55990	22.28	22.80	1.127	0.032	0.037
	LTE Band 48/50RB#0 20M	Left Cheek	55990	22.28	22.80	1.127	0.052	0.059
	LTE Band 48/50RB#0 20M	Left Tilt	55990	22.28	22.80	1.127	0.018	0.021
	LTE Band 48/50RB#0 20M	Left Cheek	55340	22.24	22.80	1.138	0.042	0.048
	LTE Band 48/50RB#0 20M	Left Cheek	55830	22.17	22.80	1.156	0.056	0.065
	LTE Band 48/50RB#0 20M	Left Cheek	56150	22.23	22.80	1.140	0.050	0.058
	LTE Band 48/50RB#0 20M	Left Cheek	56640	22.27	22.80	1.130	0.053	0.061
	LTE Band 48C/1RB#0 20M+20M	Left Cheek	55990	22.72	23.50	1.197	0.058	0.070
Full Power for Ant 6								
	LTE Band 48/1RB#0 20M	Right Cheek	55990	23.31	23.80	1.119	0.381	0.429
	LTE Band 48/1RB#0 20M	Right Tilt	55990	23.31	23.80	1.119	0.338	0.381
	LTE Band 48/1RB#0 20M	Left Cheek	55990	23.31	23.80	1.119	0.797	0.898
	LTE Band 48/1RB#0 20M	Left Tilt	55990	23.31	23.80	1.119	0.641	0.722
	LTE Band 48/1RB#0 20M	Left Cheek	55340	23.25	23.80	1.135	0.714	0.815
	LTE Band 48/1RB#0 20M	Left Cheek	55830	23.17	23.80	1.156	0.813	0.946
	LTE Band 48/1RB#0 20M	Left Cheek	56150	23.24	23.80	1.138	0.838	0.959
	LTE Band 48/1RB#0 20M	Left Cheek	56640	23.28	23.80	1.127	0.801	0.908
	LTE Band 48/50RB#0 20M	Right Cheek	55990	22.28	22.80	1.127	0.282	0.320
	LTE Band 48/50RB#0 20M	Right Tilt	55990	22.28	22.80	1.127	0.250	0.284
	LTE Band 48/50RB#0 20M	Left Cheek	55990	22.28	22.80	1.127	0.590	0.669
	LTE Band 48/50RB#0 20M	Left Tilt	55990	22.28	22.80	1.127	0.474	0.538
	LTE Band 48/50RB#0 20M	Left Cheek	55340	22.24	22.80	1.138	0.528	0.605
	LTE Band 48/50RB#0 20M	Left Cheek	55830	22.17	22.80	1.156	0.602	0.700
	LTE Band 48/50RB#0 20M	Left Cheek	56150	22.23	22.80	1.140	0.620	0.711
	LTE Band 48/50RB#0 20M	Left Cheek	56640	22.27	22.80	1.130	0.593	0.674
	LTE Band 48/100RB#0 20M	Left Cheek	55990	22.19	22.80	1.151	0.578	0.669
	LTE Band 48C/1RB#0 20M+20M	Left Cheek	55990	22.72	20.50	0.600	0.706	0.426

Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 48/1RB#0 20M	Right Cheek	55990	20.31	20.80	1.119	0.192	0.216
	LTE Band 48/1RB#0 20M	Right Tilt	55990	20.31	20.80	1.119	0.171	0.193
	LTE Band 48/1RB#0 20M	Left Cheek	55990	20.31	20.80	1.119	0.404	0.455
	LTE Band 48/1RB#0 20M	Left Tilt	55990	20.31	20.80	1.119	0.323	0.364
	LTE Band 48/1RB#0 20M	Left Cheek	55340	20.25	20.80	1.135	0.363	0.414
	LTE Band 48/1RB#0 20M	Left Cheek	55830	20.17	20.80	1.156	0.412	0.479
	LTE Band 48/1RB#0 20M	Left Cheek	56150	20.24	20.80	1.138	0.425	0.486
	LTE Band 48/1RB#0 20M	Left Cheek	56640	20.28	20.80	1.127	0.407	0.462
	LTE Band 48/50RB#0 20M	Right Cheek	55990	19.28	19.80	1.127	0.144	0.163
	LTE Band 48/50RB#0 20M	Right Tilt	55990	19.28	19.80	1.127	0.128	0.145
	LTE Band 48/50RB#0 20M	Left Cheek	55990	19.28	19.80	1.127	0.303	0.344
	LTE Band 48/50RB#0 20M	Left Tilt	55990	19.28	19.80	1.127	0.242	0.275
	LTE Band 48/50RB#0 20M	Left Cheek	55340	19.24	19.80	1.138	0.272	0.312
	LTE Band 48/50RB#0 20M	Left Cheek	55830	19.17	19.80	1.156	0.309	0.359
	LTE Band 48/50RB#0 20M	Left Cheek	56150	19.23	19.80	1.140	0.319	0.366
	LTE Band 48/50RB#0 20M	Left Cheek	56640	19.27	19.80	1.130	0.305	0.347
	LTE Band 48C/1RB#0 20M+20M	Left Cheek	55990	19.72	20.50	1.197	0.358	0.431
Reduced Power Level 1 for Ant 1								
	LTE Band 66/1RB#0 20M	Right Cheek	132322	15.42	16.10	1.169	0.676	0.791
	LTE Band 66/1RB#0 20M	Right Tilt	132322	15.42	16.10	1.169	0.672	0.786
	LTE Band 66/1RB#0 20M	Left Cheek	132322	15.42	16.10	1.169	0.331	0.387
	LTE Band 66/1RB#0 20M	Left Tilt	132322	15.42	16.10	1.169	0.377	0.441
17#	LTE Band 66/1RB#0 20M	Right Cheek	132072	15.33	16.10	1.194	0.675	0.806
	LTE Band 66/1RB#0 20M	Right Cheek	132572	15.37	16.10	1.183	0.577	0.683
	LTE Band 66/50RB#0 20M	Right Cheek	132322	14.34	15.10	1.191	0.507	0.604
	LTE Band 66/50RB#0 20M	Right Tilt	132322	14.34	15.10	1.191	0.504	0.600
	LTE Band 66/50RB#0 20M	Left Cheek	132322	14.34	15.10	1.191	0.248	0.296
	LTE Band 66/50RB#0 20M	Left Tilt	132322	14.34	15.10	1.191	0.283	0.337
	LTE Band 66/50RB#0 20M	Right Cheek	132072	14.34	15.10	1.191	0.506	0.603
	LTE Band 66/50RB#0 20M	Right Cheek	132572	14.30	15.10	1.202	0.433	0.520
	LTE Band 66/100RB#0 20M	Right Cheek	132322	14.38	15.10	1.180	0.500	0.590
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 66/1RB#0 20M	Right Cheek	132322	12.40	13.10	1.175	0.343	0.403
	LTE Band 66/1RB#0 20M	Right Tilt	132322	12.40	13.10	1.175	0.338	0.397
	LTE Band 66/1RB#0 20M	Left Cheek	132322	12.40	13.10	1.175	0.168	0.197

	LTE Band 66/1RB#0 20M	Left Tilt	132322	12.40	13.10	1.175	0.192	0.226
	LTE Band 66/1RB#0 20M	Right Cheek	132072	12.29	13.10	1.205	0.341	0.411
	LTE Band 66/1RB#0 20M	Right Cheek	132572	12.31	13.10	1.199	0.293	0.351
	LTE Band 66/50RB#0 20M	Right Cheek	132322	11.31	12.10	1.199	0.257	0.309
	LTE Band 66/50RB#0 20M	Right Tilt	132322	11.31	12.10	1.199	0.254	0.304
	LTE Band 66/50RB#0 20M	Left Cheek	132322	11.31	12.10	1.199	0.126	0.151
	LTE Band 66/50RB#0 20M	Left Tilt	132322	11.31	12.10	1.199	0.144	0.173
	LTE Band 66/50RB#0 20M	Right Cheek	132072	11.29	12.10	1.205	0.256	0.308
	LTE Band 66/50RB#0 20M	Right Cheek	132572	11.28	12.10	1.208	0.220	0.265
Full Power for Ant 4								
	LTE Band 66/1RB#0 20M	Right Cheek	132322	23.90	24.60	1.175	0.218	0.256
	LTE Band 66/1RB#0 20M	Right Tilt	132322	23.90	24.60	1.175	0.089	0.104
	LTE Band 66/1RB#0 20M	Left Cheek	132322	23.90	24.60	1.175	0.113	0.133
	LTE Band 66/1RB#0 20M	Left Tilt	132322	23.90	24.60	1.175	0.082	0.096
	LTE Band 66/1RB#0 20M	Right Cheek	132072	23.79	24.60	1.205	0.258	0.311
	LTE Band 66/1RB#0 20M	Right Cheek	132572	23.81	24.60	1.199	0.226	0.271
	LTE Band 66/50RB#0 20M	Right Cheek	132322	22.81	23.60	1.199	0.177	0.212
	LTE Band 66/50RB#0 20M	Right Tilt	132322	22.81	23.60	1.199	0.071	0.085
	LTE Band 66/50RB#0 20M	Left Cheek	132322	22.81	23.60	1.199	0.090	0.108
	LTE Band 66/50RB#0 20M	Left Tilt	132322	22.81	23.60	1.199	0.066	0.079
	LTE Band 66/50RB#0 20M	Right Cheek	132072	22.79	23.60	1.205	0.206	0.249
	LTE Band 66/50RB#0 20M	Right Cheek	132572	22.78	23.60	1.208	0.181	0.218
Full Power for Ant 0								
	LTE Band 66/1RB#0 20M	Right Cheek	132322	23.90	24.60	1.175	0.343	0.403
	LTE Band 66/1RB#0 20M	Right Tilt	132322	23.90	24.60	1.175	0.115	0.135
	LTE Band 66/1RB#0 20M	Left Cheek	132322	23.90	24.60	1.175	0.241	0.283
	LTE Band 66/1RB#0 20M	Left Tilt	132322	23.90	24.60	1.175	0.059	0.069
	LTE Band 66/1RB#0 20M	Right Cheek	132072	23.79	24.60	1.205	0.373	0.449
	LTE Band 66/1RB#0 20M	Right Cheek	132572	23.81	24.60	1.199	0.262	0.314
	LTE Band 66/50RB#0 20M	Right Cheek	132322	22.81	23.60	1.199	0.274	0.329
	LTE Band 66/50RB#0 20M	Right Tilt	132322	22.81	23.60	1.199	0.092	0.110
	LTE Band 66/50RB#0 20M	Left Cheek	132322	22.81	23.60	1.199	0.193	0.231
	LTE Band 66/50RB#0 20M	Left Tilt	132322	22.81	23.60	1.199	0.047	0.057
	LTE Band 66/50RB#0 20M	Right Cheek	132072	22.79	23.60	1.205	0.298	0.360
	LTE Band 66/50RB#0 20M	Right Cheek	132572	22.78	23.60	1.208	0.210	0.253
Reduced Power Level 1 for Ant 1								
	LTE Band 71/1RB#0 20M	Right Cheek	133322	22.69	23.30	1.151	0.636	0.732
	LTE Band 71/1RB#0 20M	Right Tilt	133322	22.69	23.30	1.151	0.486	0.559

	LTE Band 71/1RB#0 20M	Left Cheek	133322	22.69	23.30	1.151	0.354	0.407
	LTE Band 71/1RB#0 20M	Left Tilt	133322	22.69	23.30	1.151	0.294	0.338
	LTE Band 71/1RB#0 20M	Right Cheek	133222	22.63	23.30	1.167	0.599	0.699
18#	LTE Band 71/1RB#0 20M	Right Cheek	133372	22.64	23.30	1.164	0.640	0.745
	LTE Band 71/50RB#0 20M	Right Cheek	133322	21.73	22.30	1.140	0.483	0.551
	LTE Band 71/50RB#0 20M	Right Tilt	133322	21.73	22.30	1.140	0.369	0.421
	LTE Band 71/50RB#0 20M	Left Cheek	133322	21.73	22.30	1.140	0.269	0.307
	LTE Band 71/50RB#0 20M	Left Tilt	133322	21.73	22.30	1.140	0.223	0.255
	LTE Band 71/50RB#0 20M	Right Cheek	133222	21.70	22.30	1.148	0.455	0.523
	LTE Band 71/50RB#0 20M	Right Cheek	133372	21.68	22.30	1.153	0.486	0.561
Reduced Power Level 3 for Simultaneous Transmission								
	LTE Band 71/1RB#0 20M	Right Cheek	133322	19.69	20.30	1.151	0.322	0.371
	LTE Band 71/1RB#0 20M	Right Tilt	133322	19.69	20.30	1.151	0.248	0.285
	LTE Band 71/1RB#0 20M	Left Cheek	133322	19.69	20.30	1.151	0.183	0.211
	LTE Band 71/1RB#0 20M	Left Tilt	133322	19.69	20.30	1.151	0.153	0.176
	LTE Band 71/1RB#0 20M	Right Cheek	133222	19.63	20.30	1.167	0.305	0.356
	LTE Band 71/1RB#0 20M	Right Cheek	133372	19.64	20.30	1.164	0.325	0.378
	LTE Band 71/50RB#0 20M	Right Cheek	133322	18.73	19.30	1.140	0.242	0.275
	LTE Band 71/50RB#0 20M	Right Tilt	133322	18.73	19.30	1.140	0.186	0.212
	LTE Band 71/50RB#0 20M	Left Cheek	133322	18.73	19.30	1.140	0.137	0.156
	LTE Band 71/50RB#0 20M	Left Tilt	133322	18.73	19.30	1.140	0.115	0.131
	LTE Band 71/50RB#0 20M	Right Cheek	133222	18.70	19.30	1.148	0.229	0.263
	LTE Band 71/50RB#0 20M	Right Cheek	133372	18.68	19.30	1.153	0.244	0.281
Full Power for Ant 0								
	LTE Band 71/1RB#0 20M	Right Cheek	133322	24.19	24.80	1.151	0.417	0.480
	LTE Band 71/1RB#0 20M	Right Tilt	133322	24.19	24.80	1.151	0.228	0.262
	LTE Band 71/1RB#0 20M	Left Cheek	133322	24.19	24.80	1.151	0.269	0.310
	LTE Band 71/1RB#0 20M	Left Tilt	133322	24.19	24.80	1.151	0.097	0.112
	LTE Band 71/1RB#0 20M	Right Cheek	133222	24.13	24.80	1.167	0.472	0.551
	LTE Band 71/1RB#0 20M	Right Cheek	133372	24.14	24.80	1.164	0.366	0.426
	LTE Band 71/50RB#0 20M	Right Cheek	133322	23.23	23.80	1.140	0.336	0.383
	LTE Band 71/50RB#0 20M	Right Tilt	133322	23.23	23.80	1.140	0.182	0.208
	LTE Band 71/50RB#0 20M	Left Cheek	133322	23.23	23.80	1.140	0.215	0.245
	LTE Band 71/50RB#0 20M	Left Tilt	133322	23.23	23.80	1.140	0.078	0.088
	LTE Band 71/50RB#0 20M	Right Cheek	133222	23.20	23.80	1.148	0.378	0.434
	LTE Band 71/50RB#0 20M	Right Cheek	133372	23.18	23.80	1.153	0.293	0.338

➢ **5G NR DFT-s-QPSK Head SAR**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Full Power for Ant 0								
	5G NR n2/1RB#1 20M	Right Cheek	376000	24.02	25.20	1.312	0.206	0.270
	5G NR n2/1RB#1 20M	Right Tilt	376000	24.02	25.20	1.312	0.072	0.094
	5G NR n2/1RB#1 20M	Left Cheek	376000	24.02	25.20	1.312	0.185	0.243
	5G NR n2/1RB#1 20M	Left Tilt	376000	24.02	25.20	1.312	0.081	0.106
	5G NR n2/1RB#1 20M	Right Cheek	372000	23.96	25.20	1.330	0.109	0.145
	5G NR n2/1RB#1 20M	Right Cheek	380000	23.99	25.20	1.321	0.159	0.210
	5G NR n2/50RB#1 20M	Right Cheek	376000	23.58	24.20	1.153	0.165	0.190
	5G NR n2/50RB#1 20M	Right Tilt	376000	23.58	24.20	1.153	0.058	0.066
	5G NR n2/50RB#1 20M	Left Cheek	376000	23.58	24.20	1.153	0.148	0.171
	5G NR n2/50RB#1 20M	Left Tilt	376000	23.58	24.20	1.153	0.065	0.075
	5G NR n2/50RB#1 20M	Right Cheek	372000	23.50	24.20	1.175	0.087	0.102
	5G NR n2/50RB#1 20M	Right Cheek	380000	23.55	24.20	1.161	0.127	0.148
Reduced Power Level 1 for Ant 1								
	5G NR n2/1RB#1 20M	Right Cheek	376000	15.52	16.70	1.312	0.556	0.730
	5G NR n2/1RB#1 20M	Right Tilt	376000	15.52	16.70	1.312	0.605	0.794
	5G NR n2/1RB#1 20M	Left Cheek	376000	15.52	16.70	1.312	0.308	0.404
	5G NR n2/1RB#1 20M	Left Tilt	376000	15.52	16.70	1.312	0.358	0.470
	5G NR n2/1RB#1 20M	Right Tilt	372000	15.46	16.70	1.330	0.588	0.782
19#	5G NR n2/1RB#1 20M	Right Tilt	380000	15.49	16.70	1.321	0.652	0.861
	5G NR n2/50RB#1 20M	Right Cheek	376000	15.08	15.70	1.153	0.411	0.475
	5G NR n2/50RB#1 20M	Right Tilt	376000	15.08	15.70	1.153	0.448	0.516
	5G NR n2/50RB#1 20M	Left Cheek	376000	15.08	15.70	1.153	0.228	0.263
	5G NR n2/50RB#1 20M	Left Tilt	376000	15.08	15.70	1.153	0.265	0.306
	5G NR n2/50RB#1 20M	Right Tilt	372000	15.00	15.70	1.175	0.435	0.511
	5G NR n2/50RB#1 20M	Right Tilt	380000	15.05	15.70	1.161	0.482	0.560
	5G NR n2/100RB#1 20M	Right Tilt	376000	14.57	15.70	1.297	0.402	0.521
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n2/1RB#1 20M	Right Cheek	376000	13.52	14.70	1.312	0.353	0.463
	5G NR n2/1RB#1 20M	Right Tilt	376000	13.52	14.70	1.312	0.385	0.505
	5G NR n2/1RB#1 20M	Left Cheek	376000	13.52	14.70	1.312	0.196	0.257
	5G NR n2/1RB#1 20M	Left Tilt	376000	13.52	14.70	1.312	0.232	0.304
	5G NR n2/1RB#1 20M	Right Tilt	372000	13.46	14.70	1.330	0.377	0.502
	5G NR n2/1RB#1 20M	Right Tilt	380000	13.49	14.70	1.321	0.422	0.558
	5G NR n2/50RB#1 20M	Right Cheek	376000	13.08	13.70	1.153	0.265	0.305

	5G NR n2/50RB#1 20M	Right Tilt	376000	13.08	13.70	1.153	0.289	0.333
	5G NR n2/50RB#1 20M	Left Cheek	376000	13.08	13.70	1.153	0.147	0.170
	5G NR n2/50RB#1 20M	Left Tilt	376000	13.08	13.70	1.153	0.174	0.201
	5G NR n2/50RB#1 20M	Right Tilt	372000	13.00	13.70	1.175	0.283	0.332
	5G NR n2/50RB#1 20M	Right Tilt	380000	13.05	13.70	1.161	0.317	0.368
Full Power for Ant 4								
	5G NR n2/1RB#1 20M	Right Cheek	376000	24.02	25.20	1.312	0.298	0.391
	5G NR n2/1RB#1 20M	Right Tilt	376000	24.02	25.20	1.312	0.091	0.119
	5G NR n2/1RB#1 20M	Left Cheek	376000	24.02	25.20	1.312	0.199	0.261
	5G NR n2/1RB#1 20M	Left Tilt	376000	24.02	25.20	1.312	0.060	0.078
	5G NR n2/1RB#1 20M	Right Cheek	372000	23.96	25.20	1.330	0.276	0.367
	5G NR n2/1RB#1 20M	Right Cheek	380000	23.99	25.20	1.321	0.324	0.428
	5G NR n2/50RB#1 20M	Right Cheek	376000	23.58	24.20	1.153	0.221	0.254
	5G NR n2/50RB#1 20M	Right Tilt	376000	23.58	24.20	1.153	0.067	0.078
	5G NR n2/50RB#1 20M	Left Cheek	376000	23.58	24.20	1.153	0.147	0.170
	5G NR n2/50RB#1 20M	Left Tilt	376000	23.58	24.20	1.153	0.044	0.051
	5G NR n2/50RB#1 20M	Right Cheek	372000	23.50	24.20	1.175	0.204	0.240
	5G NR n2/50RB#1 20M	Right Cheek	380000	23.55	24.20	1.161	0.240	0.278
Full Power for Ant 0								
	5G NR n5/1RB#1 20M	Right Cheek	167300	24.05	25.20	1.303	0.093	0.121
	5G NR n5/1RB#1 20M	Right Tilt	167300	24.05	25.20	1.303	0.058	0.076
	5G NR n5/1RB#1 20M	Left Cheek	167300	24.05	25.20	1.303	0.051	0.066
	5G NR n5/1RB#1 20M	Left Tilt	167300	24.05	25.20	1.303	0.033	0.043
	5G NR n5/1RB#1 20M	Right Cheek	166800	24.02	25.20	1.312	0.092	0.121
	5G NR n5/1RB#1 20M	Right Cheek	167800	23.92	25.20	1.343	0.093	0.125
	5G NR n5/50RB#1 20M	Right Cheek	167300	23.52	24.20	1.169	0.084	0.098
	5G NR n5/50RB#1 20M	Right Tilt	167300	23.52	24.20	1.169	0.063	0.074
	5G NR n5/50RB#1 20M	Left Cheek	167300	23.52	24.20	1.169	0.048	0.056
	5G NR n5/50RB#1 20M	Left Tilt	167300	23.52	24.20	1.169	0.023	0.027
	5G NR n5/50RB#1 20M	Right Cheek	166800	23.41	24.20	1.199	0.073	0.088
	5G NR n5/50RB#1 20M	Right Cheek	167800	23.44	24.20	1.191	0.090	0.107
Reduced Power Level 1 for Ant 1								
20#	5G NR n5/1RB#1 20M	Right Cheek	167300	21.05	22.20	1.303	0.688	0.897
	5G NR n5/1RB#1 20M	Right Tilt	167300	21.05	22.20	1.303	0.443	0.577
	5G NR n5/1RB#1 20M	Left Cheek	167300	21.05	22.20	1.303	0.512	0.667
	5G NR n5/1RB#1 20M	Left Tilt	167300	21.05	22.20	1.303	0.401	0.523
	5G NR n5/1RB#1 20M	Right Cheek	166800	21.02	22.20	1.312	0.533	0.699
	5G NR n5/1RB#1 20M	Right Cheek	167800	20.92	22.20	1.343	0.437	0.587

	5G NR n5/50RB#1 20M	Right Cheek	167300	20.52	21.20	1.169	0.557	0.652
	5G NR n5/50RB#1 20M	Right Tilt	167300	20.52	21.20	1.169	0.359	0.420
	5G NR n5/50RB#1 20M	Left Cheek	167300	20.52	21.20	1.169	0.415	0.485
	5G NR n5/50RB#1 20M	Left Tilt	167300	20.52	21.20	1.169	0.325	0.380
	5G NR n5/50RB#1 20M	Right Cheek	166800	20.41	21.20	1.199	0.432	0.518
	5G NR n5/50RB#1 20M	Right Cheek	167800	20.44	21.20	1.191	0.354	0.422
	5G NR n5/100RB#1 20M	Right Cheek	167300	20.54	21.20	1.164	0.518	0.603
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n5/1RB#1 20M	Right Cheek	167300	19.05	20.20	1.303	0.442	0.576
	5G NR n5/1RB#1 20M	Right Tilt	167300	19.05	20.20	1.303	0.285	0.371
	5G NR n5/1RB#1 20M	Left Cheek	167300	19.05	20.20	1.303	0.335	0.437
	5G NR n5/1RB#1 20M	Left Tilt	167300	19.05	20.20	1.303	0.265	0.345
	5G NR n5/1RB#1 20M	Right Cheek	166800	19.02	20.20	1.312	0.345	0.453
	5G NR n5/1RB#1 20M	Right Cheek	167800	18.92	20.20	1.343	0.280	0.376
	5G NR n5/50RB#1 20M	Right Cheek	167300	18.52	19.20	1.169	0.332	0.388
	5G NR n5/50RB#1 20M	Right Tilt	167300	18.52	19.20	1.169	0.214	0.250
	5G NR n5/50RB#1 20M	Left Cheek	167300	18.52	19.20	1.169	0.251	0.294
	5G NR n5/50RB#1 20M	Left Tilt	167300	18.52	19.20	1.169	0.199	0.232
	5G NR n5/50RB#1 20M	Right Cheek	166800	18.41	19.20	1.199	0.259	0.310
	5G NR n5/50RB#1 20M	Right Cheek	167800	18.44	19.20	1.191	0.210	0.250
Full Power for Ant 0								
	5G NR n12/1RB#1 15M	Right Cheek	141500	24.04	25.20	1.306	0.068	0.089
	5G NR n12/1RB#1 15M	Right Tilt	141500	24.04	25.20	1.306	0.033	0.043
	5G NR n12/1RB#1 15M	Left Cheek	141500	24.04	25.20	1.306	0.046	0.060
	5G NR n12/1RB#1 15M	Left Tilt	141500	24.04	25.20	1.306	0.020	0.026
	5G NR n12/1RB#1 15M	Right Cheek	141300	24.00	25.20	1.318	0.060	0.079
	5G NR n12/1RB#1 15M	Right Cheek	141700	24.01	25.20	1.315	0.072	0.095
	5G NR n12/36RB#1 15M	Right Cheek	141500	23.45	24.20	1.189	0.054	0.065
	5G NR n12/36RB#1 15M	Right Tilt	141500	23.45	24.20	1.189	0.026	0.031
	5G NR n12/36RB#1 15M	Left Cheek	141500	23.45	24.20	1.189	0.037	0.044
	5G NR n12/36RB#1 15M	Left Tilt	141500	23.45	24.20	1.189	0.016	0.019
	5G NR n12/36RB#1 15M	Right Cheek	141300	23.39	24.20	1.205	0.048	0.058
	5G NR n12/36RB#1 15M	Right Cheek	141700	23.40	24.20	1.202	0.058	0.069
Reduced Power Level 1 for Ant 1								
21#	5G NR n12/1RB#1 15M	Right Cheek	141500	21.04	22.20	1.306	0.418	0.546
	5G NR n12/1RB#1 15M	Right Tilt	141500	21.04	22.20	1.306	0.285	0.372
	5G NR n12/1RB#1 15M	Left Cheek	141500	21.04	22.20	1.306	0.248	0.324
	5G NR n12/1RB#1 15M	Left Tilt	141500	21.04	22.20	1.306	0.232	0.303

	5G NR n12/1RB#1 15M	Right Cheek	141300	21.00	22.20	1.318	0.338	0.446
	5G NR n12/1RB#1 15M	Right Cheek	141700	21.01	22.20	1.315	0.391	0.514
	5G NR n12/36RB#1 15M	Right Cheek	141500	20.45	21.20	1.189	0.326	0.387
	5G NR n12/36RB#1 15M	Right Tilt	141500	20.45	21.20	1.189	0.222	0.264
	5G NR n12/36RB#1 15M	Left Cheek	141500	20.45	21.20	1.189	0.193	0.230
	5G NR n12/36RB#1 15M	Left Tilt	141500	20.45	21.20	1.189	0.181	0.215
	5G NR n12/36RB#1 15M	Right Cheek	141300	20.39	21.20	1.205	0.264	0.318
	5G NR n12/36RB#1 15M	Right Cheek	141700	20.40	21.20	1.202	0.305	0.367
Full Power for Ant 0								
	5G NR n25/1RB#1 40M	Right Cheek	376500	24.07	25.20	1.297	0.050	0.064
	5G NR n25/1RB#1 40M	Right Tilt	376500	24.07	25.20	1.297	0.042	0.055
	5G NR n25/1RB#1 40M	Left Cheek	376500	24.07	25.20	1.297	0.028	0.036
	5G NR n25/1RB#1 40M	Left Tilt	376500	24.07	25.20	1.297	0.017	0.022
	5G NR n25/1RB#1 40M	Right Cheek	372000	24.06	25.20	1.300	0.069	0.090
	5G NR n25/1RB#1 40M	Right Cheek	381000	24.03	25.20	1.309	0.098	0.128
	5G NR n25/50RB#1 40M	Right Cheek	376500	23.20	24.20	1.259	0.040	0.050
	5G NR n25/50RB#1 40M	Right Tilt	376500	23.20	24.20	1.259	0.034	0.042
	5G NR n25/50RB#1 40M	Left Cheek	376500	23.20	24.20	1.259	0.022	0.028
	5G NR n25/50RB#1 40M	Left Tilt	376500	23.20	24.20	1.259	0.014	0.017
	5G NR n25/50RB#1 40M	Right Cheek	372000	23.15	24.20	1.274	0.055	0.071
	5G NR n25/50RB#1 40M	Right Cheek	381000	23.17	24.20	1.268	0.078	0.099
Reduced Power Level 1 for Ant 1								
	5G NR n25/1RB#1 40M	Right Cheek	376500	15.57	16.70	1.297	0.604	0.783
22#	5G NR n25/1RB#1 40M	Right Tilt	376500	15.57	16.70	1.297	0.725	0.940
	5G NR n25/1RB#1 40M	Left Cheek	376500	15.57	16.70	1.297	0.340	0.441
	5G NR n25/1RB#1 40M	Left Tilt	376500	15.57	16.70	1.297	0.446	0.579
	5G NR n25/1RB#1 40M	Right Tilt	372000	15.56	16.70	1.300	0.697	0.906
	5G NR n25/1RB#1 40M	Right Tilt	381000	15.53	16.70	1.309	0.657	0.860
	5G NR n25/50RB#1 40M	Right Cheek	376500	14.70	15.70	1.259	0.459	0.578
	5G NR n25/50RB#1 40M	Right Tilt	376500	14.70	15.70	1.259	0.551	0.694
	5G NR n25/50RB#1 40M	Left Cheek	376500	14.70	15.70	1.259	0.258	0.325
	5G NR n25/50RB#1 40M	Left Tilt	376500	14.70	15.70	1.259	0.339	0.427
	5G NR n25/50RB#1 40M	Right Tilt	372000	14.65	15.70	1.274	0.530	0.675
	5G NR n25/50RB#1 40M	Right Tilt	381000	14.67	15.70	1.268	0.499	0.633
	5G NR n25/100RB#1 40M	Right Tilt	376500	14.62	15.70	1.282	0.443	0.567
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n25/1RB#1 40M	Right Cheek	376500	13.07	14.20	1.297	0.352	0.457
	5G NR n25/1RB#1 40M	Right Tilt	376500	13.07	14.20	1.297	0.422	0.547

	5G NR n25/1RB#1 40M	Left Cheek	376500	13.07	14.20	1.297	0.196	0.254
	5G NR n25/1RB#1 40M	Left Tilt	376500	13.07	14.20	1.297	0.261	0.339
	5G NR n25/1RB#1 40M	Right Tilt	372000	13.06	14.20	1.300	0.405	0.527
	5G NR n25/1RB#1 40M	Right Tilt	381000	13.03	14.20	1.309	0.378	0.495
	5G NR n25/50RB#1 40M	Right Cheek	376500	12.20	13.20	1.259	0.264	0.332
	5G NR n25/50RB#1 40M	Right Tilt	376500	12.20	13.20	1.259	0.317	0.398
	5G NR n25/50RB#1 40M	Left Cheek	376500	12.20	13.20	1.259	0.147	0.185
	5G NR n25/50RB#1 40M	Left Tilt	376500	12.20	13.20	1.259	0.196	0.246
	5G NR n25/50RB#1 40M	Right Tilt	372000	12.15	13.20	1.274	0.304	0.387
	5G NR n25/50RB#1 40M	Right Tilt	381000	12.17	13.20	1.268	0.284	0.359
Full Power for Ant 4								
	5G NR n25/1RB#1 40M	Right Cheek	376500	24.07	25.20	1.297	0.283	0.367
	5G NR n25/1RB#1 40M	Right Tilt	376500	24.07	25.20	1.297	0.078	0.101
	5G NR n25/1RB#1 40M	Left Cheek	376500	24.07	25.20	1.297	0.119	0.154
	5G NR n25/1RB#1 40M	Left Tilt	376500	24.07	25.20	1.297	0.066	0.086
	5G NR n25/1RB#1 40M	Right Cheek	372000	24.06	25.20	1.300	0.260	0.338
	5G NR n25/1RB#1 40M	Right Cheek	381000	24.03	25.20	1.309	0.271	0.355
	5G NR n25/50RB#1 40M	Right Cheek	376500	23.20	24.20	1.259	0.229	0.289
	5G NR n25/50RB#1 40M	Right Tilt	376500	23.20	24.20	1.259	0.063	0.080
	5G NR n25/50RB#1 40M	Left Cheek	376500	23.20	24.20	1.259	0.096	0.121
	5G NR n25/50RB#1 40M	Left Tilt	376500	23.20	24.20	1.259	0.054	0.068
	5G NR n25/50RB#1 40M	Right Cheek	372000	23.15	24.20	1.274	0.211	0.268
	5G NR n25/50RB#1 40M	Right Cheek	381000	23.17	24.20	1.268	0.220	0.278
Full Power for Ant 0 (HPUE)								
	5G NR n41/1RB#1 100M	Right Cheek	518598	25.92	26.80	1.225	0.141	0.173
	5G NR n41/1RB#1 100M	Right Tilt	518598	25.92	26.80	1.225	0.043	0.052
	5G NR n41/1RB#1 100M	Left Cheek	518598	25.92	26.80	1.225	0.035	0.042
	5G NR n41/1RB#1 100M	Left Tilt	518598	25.92	26.80	1.225	0.030	0.037
	5G NR n41/1RB#1 100M	Right Cheek	509202	25.75	26.80	1.274	0.157	0.200
	5G NR n41/1RB#1 100M	Right Cheek	513900	25.66	26.80	1.300	0.125	0.162
	5G NR n41/1RB#1 100M	Right Cheek	523296	25.68	26.80	1.294	0.135	0.175
	5G NR n41/1RB#1 100M	Right Cheek	528000	25.63	26.80	1.309	0.149	0.195
	5G NR n41/135RB#1 100M	Right Cheek	518598	25.24	25.80	1.138	0.098	0.111
	5G NR n41/135RB#1 100M	Right Tilt	518598	25.24	25.80	1.138	0.036	0.040
	5G NR n41/135RB#1 100M	Left Cheek	518598	25.24	25.80	1.138	0.026	0.029
	5G NR n41/135RB#1 100M	Left Tilt	518598	25.24	25.80	1.138	0.024	0.027
	5G NR n41/135RB#1 100M	Right Cheek	509202	24.98	25.80	1.208	0.141	0.170

	5G NR n41/135RB#1 100M	Right Cheek	513900	25.14	25.80	1.164	0.112	0.131
	5G NR n41/135RB#1 100M	Right Cheek	523296	25.10	25.80	1.175	0.121	0.143
	5G NR n41/135RB#1 100M	Right Cheek	528000	25.12	25.80	1.169	0.134	0.157
Reduced Power Level 1 for Ant 1 (HPUE)								
	5G NR n41/1RB#1 100M	Right Cheek	518598	15.92	16.80	1.225	0.392	0.480
	5G NR n41/1RB#1 100M	Right Tilt	518598	15.92	16.80	1.225	0.407	0.498
	5G NR n41/1RB#1 100M	Left Cheek	518598	15.92	16.80	1.225	0.125	0.153
	5G NR n41/1RB#1 100M	Left Tilt	518598	15.92	16.80	1.225	0.150	0.184
	5G NR n41/1RB#1 100M	Right Tilt	509202	15.75	16.80	1.274	0.354	0.451
	5G NR n41/1RB#1 100M	Right Tilt	513900	15.66	16.80	1.300	0.415	0.540
	5G NR n41/1RB#1 100M	Right Tilt	523296	15.68	16.80	1.294	0.385	0.498
	5G NR n41/1RB#1 100M	Right Tilt	528000	15.63	16.80	1.309	0.336	0.440
	5G NR n41/135RB#1 100M	Right Cheek	518598	15.24	15.80	1.138	0.310	0.352
	5G NR n41/135RB#1 100M	Right Tilt	518598	15.24	15.80	1.138	0.322	0.366
	5G NR n41/135RB#1 100M	Left Cheek	518598	15.24	15.80	1.138	0.099	0.112
	5G NR n41/135RB#1 100M	Left Tilt	518598	15.24	15.80	1.138	0.119	0.135
	5G NR n41/135RB#1 100M	Right Tilt	509202	14.98	15.80	1.208	0.280	0.338
	5G NR n41/135RB#1 100M	Right Tilt	513900	15.14	15.80	1.164	0.328	0.382
	5G NR n41/135RB#1 100M	Right Tilt	523296	15.10	15.80	1.175	0.304	0.357
	5G NR n41/135RB#1 100M	Right Tilt	528000	15.12	15.80	1.169	0.265	0.310
Full Power for Ant 4 (HPUE)								
23#	5G NR n41/1RB#1 100M	Right Cheek	518598	25.92	26.80	1.225	0.663	0.812
	5G NR n41/1RB#1 100M	Right Tilt	518598	25.92	26.80	1.225	0.367	0.449
	5G NR n41/1RB#1 100M	Left Cheek	518598	25.92	26.80	1.225	0.341	0.418
	5G NR n41/1RB#1 100M	Left Tilt	518598	25.92	26.80	1.225	0.110	0.135
	5G NR n41/1RB#1 100M	Right Cheek	509202	25.75	26.80	1.274	0.302	0.385
	5G NR n41/1RB#1 100M	Right Cheek	513900	25.66	26.80	1.300	0.453	0.589
	5G NR n41/1RB#1 100M	Right Cheek	523296	25.68	26.80	1.294	0.477	0.617
	5G NR n41/1RB#1 100M	Right Cheek	528000	25.63	26.80	1.309	0.378	0.495
	5G NR n41/135RB#1 100M	Right Cheek	518598	25.24	25.80	1.138	0.530	0.603
	5G NR n41/135RB#1 100M	Right Tilt	518598	25.24	25.80	1.138	0.294	0.334
	5G NR n41/135RB#1 100M	Left Cheek	518598	25.24	25.80	1.138	0.273	0.310
	5G NR n41/135RB#1 100M	Left Tilt	518598	25.24	25.80	1.138	0.088	0.100
	5G NR n41/135RB#1 100M	Right Cheek	509202	24.98	25.80	1.208	0.242	0.292
	5G NR n41/135RB#1 100M	Right Cheek	513900	25.14	25.80	1.164	0.362	0.422
	5G NR n41/135RB#1 100M	Right Cheek	523296	25.10	25.80	1.175	0.382	0.448

	5G NR n41/135RB#1 100M	Right Cheek	528000	25.12	25.80	1.169	0.302	0.354
	5G NR n41/270RB#0 100M	Right Cheek	518598	24.76	25.80	1.271	0.526	0.669
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n41/1RB#1 100M	Right Cheek	518598	23.92	24.80	1.225	0.432	0.529
	5G NR n41/1RB#1 100M	Right Tilt	518598	23.92	24.80	1.225	0.375	0.459
	5G NR n41/1RB#1 100M	Left Cheek	518598	23.92	24.80	1.225	0.352	0.431
	5G NR n41/1RB#1 100M	Left Tilt	518598	23.92	24.80	1.225	0.125	0.153
	5G NR n41/1RB#1 100M	Right Cheek	509202	23.75	24.80	1.274	0.315	0.401
	5G NR n41/1RB#1 100M	Right Cheek	513900	23.66	24.80	1.300	0.466	0.606
	5G NR n41/1RB#1 100M	Right Cheek	523296	23.68	24.80	1.294	0.489	0.633
	5G NR n41/1RB#1 100M	Right Cheek	528000	23.63	24.80	1.309	0.385	0.504
	5G NR n41/135RB#1 100M	Right Cheek	518598	23.24	23.80	1.138	0.333	0.378
	5G NR n41/135RB#1 100M	Right Tilt	518598	23.24	23.80	1.138	0.289	0.328
	5G NR n41/135RB#1 100M	Left Cheek	518598	23.24	23.80	1.138	0.271	0.308
	5G NR n41/135RB#1 100M	Left Tilt	518598	23.24	23.80	1.138	0.096	0.109
	5G NR n41/135RB#1 100M	Right Cheek	509202	22.98	23.80	1.208	0.243	0.293
	5G NR n41/135RB#1 100M	Right Cheek	513900	23.14	23.80	1.164	0.359	0.418
	5G NR n41/135RB#1 100M	Right Cheek	523296	23.10	23.80	1.175	0.377	0.442
	5G NR n41/135RB#1 100M	Right Cheek	528000	23.12	23.80	1.169	0.296	0.347
Full Power for Ant 0								
	5G NR n41/1RB#1 100M	Right Cheek	518598	25.92	26.80	1.225	0.197	0.241
	5G NR n41/1RB#1 100M	Right Tilt	518598	25.92	26.80	1.225	0.058	0.071
	5G NR n41/1RB#1 100M	Left Cheek	518598	25.92	26.80	1.225	0.037	0.045
	5G NR n41/1RB#1 100M	Left Tilt	518598	25.92	26.80	1.225	0.040	0.049
	5G NR n41/1RB#1 100M	Right Cheek	509202	25.75	26.80	1.274	0.214	0.272
	5G NR n41/1RB#1 100M	Right Cheek	513900	25.66	26.80	1.300	0.168	0.219
	5G NR n41/1RB#1 100M	Right Cheek	523296	25.68	26.80	1.294	0.187	0.242
	5G NR n41/1RB#1 100M	Right Cheek	528000	25.63	26.80	1.309	0.210	0.275
	5G NR n41/135RB#1 100M	Right Cheek	518598	25.24	25.80	1.138	0.137	0.156
	5G NR n41/135RB#1 100M	Right Tilt	518598	25.24	25.80	1.138	0.047	0.054
	5G NR n41/135RB#1 100M	Left Cheek	518598	25.24	25.80	1.138	0.024	0.027
	5G NR n41/135RB#1 100M	Left Tilt	518598	25.24	25.80	1.138	0.027	0.031
	5G NR n41/135RB#1 100M	Right Cheek	509202	24.98	25.80	1.208	0.194	0.235
	5G NR n41/135RB#1 100M	Right Cheek	513900	25.14	25.80	1.164	0.153	0.178
	5G NR n41/135RB#1 100M	Right Cheek	523296	25.10	25.80	1.175	0.173	0.203
	5G NR n41/135RB#1 100M	Right Cheek	528000	25.12	25.80	1.169	0.181	0.212
Reduced Power Level 1 for Ant 1								

	5G NR n41/1RB#1 100M	Right Cheek	518598	15.32	16.20	1.225	0.441	0.540
	5G NR n41/1RB#1 100M	Right Tilt	518598	15.32	16.20	1.225	0.508	0.622
	5G NR n41/1RB#1 100M	Left Cheek	518598	15.32	16.20	1.225	0.168	0.206
	5G NR n41/1RB#1 100M	Left Tilt	518598	15.32	16.20	1.225	0.159	0.195
	5G NR n41/1RB#1 100M	Right Tilt	509202	15.17	16.20	1.268	0.541	0.686
	5G NR n41/1RB#1 100M	Right Tilt	513900	15.20	16.20	1.259	0.483	0.608
	5G NR n41/1RB#1 100M	Right Tilt	523296	15.28	16.20	1.236	0.561	0.693
	5G NR n41/1RB#1 100M	Right Tilt	528000	15.24	16.20	1.247	0.370	0.462
	5G NR n41/135RB#1 100M	Right Cheek	518598	14.18	15.20	1.265	0.344	0.435
	5G NR n41/135RB#1 100M	Right Tilt	518598	14.18	15.20	1.265	0.396	0.501
	5G NR n41/135RB#1 100M	Left Cheek	518598	14.18	15.20	1.265	0.131	0.166
	5G NR n41/135RB#1 100M	Left Tilt	518598	14.18	15.20	1.265	0.124	0.157
	5G NR n41/135RB#1 100M	Right Cheek	509202	14.10	15.20	1.288	0.422	0.544
	5G NR n41/135RB#1 100M	Right Cheek	513900	14.14	15.20	1.276	0.377	0.481
	5G NR n41/135RB#1 100M	Right Cheek	523296	14.08	15.20	1.294	0.438	0.566
	5G NR n41/135RB#1 100M	Right Cheek	528000	14.09	15.20	1.291	0.289	0.373
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n41/1RB#1 100M	Right Cheek	518598	13.32	14.20	1.225	0.296	0.362
	5G NR n41/1RB#1 100M	Right Tilt	518598	13.32	14.20	1.225	0.348	0.426
	5G NR n41/1RB#1 100M	Left Cheek	518598	13.32	14.20	1.225	0.121	0.148
	5G NR n41/1RB#1 100M	Left Tilt	518598	13.32	14.20	1.225	0.119	0.146
	5G NR n41/1RB#1 100M	Right Tilt	509202	13.17	14.20	1.268	0.365	0.463
	5G NR n41/1RB#1 100M	Right Tilt	513900	13.20	14.20	1.259	0.324	0.408
	5G NR n41/1RB#1 100M	Right Tilt	523296	13.28	14.20	1.236	0.377	0.466
	5G NR n41/1RB#1 100M	Right Tilt	528000	13.24	14.20	1.247	0.255	0.318
	5G NR n41/135RB#1 100M	Right Cheek	518598	12.18	13.20	1.265	0.228	0.288
	5G NR n41/135RB#1 100M	Right Tilt	518598	12.18	13.20	1.265	0.268	0.339
	5G NR n41/135RB#1 100M	Left Cheek	518598	12.18	13.20	1.265	0.093	0.118
	5G NR n41/135RB#1 100M	Left Tilt	518598	12.18	13.20	1.265	0.092	0.116
	5G NR n41/135RB#1 100M	Right Cheek	509202	12.10	13.20	1.288	0.281	0.362
	5G NR n41/135RB#1 100M	Right Cheek	513900	12.14	13.20	1.276	0.249	0.318
	5G NR n41/135RB#1 100M	Right Cheek	523296	12.08	13.20	1.294	0.290	0.376
	5G NR n41/135RB#1 100M	Right Cheek	528000	12.09	13.20	1.291	0.196	0.254
Full Power for Ant 4								
	5G NR n41/1RB#1 100M	Right Cheek	518598	23.32	24.20	1.225	0.297	0.364
	5G NR n41/1RB#1 100M	Right Tilt	518598	23.32	24.20	1.225	0.182	0.223
	5G NR n41/1RB#1 100M	Left Cheek	518598	23.32	24.20	1.225	0.171	0.209
	5G NR n41/1RB#1 100M	Left Tilt	518598	23.32	24.20	1.225	0.061	0.075

	5G NR n41/1RB#1 100M	Right Cheek	509202	23.17	24.20	1.268	0.151	0.191
	5G NR n41/1RB#1 100M	Right Cheek	513900	23.20	24.20	1.259	0.221	0.278
	5G NR n41/1RB#1 100M	Right Cheek	523296	23.28	24.20	1.236	0.228	0.281
	5G NR n41/1RB#1 100M	Right Cheek	528000	23.24	24.20	1.247	0.184	0.230
	5G NR n41/135RB#1 100M	Right Cheek	518598	22.18	23.20	1.265	0.237	0.299
	5G NR n41/135RB#1 100M	Right Tilt	518598	22.18	23.20	1.265	0.147	0.186
	5G NR n41/135RB#1 100M	Left Cheek	518598	22.18	23.20	1.265	0.139	0.176
	5G NR n41/135RB#1 100M	Left Tilt	518598	22.18	23.20	1.265	0.056	0.071
	5G NR n41/135RB#1 100M	Right Cheek	509202	22.10	23.20	1.288	0.118	0.152
	5G NR n41/135RB#1 100M	Right Cheek	513900	22.14	23.20	1.276	0.171	0.219
	5G NR n41/135RB#1 100M	Right Cheek	523296	22.08	23.20	1.294	0.172	0.222
	5G NR n41/135RB#1 100M	Right Cheek	528000	22.09	23.20	1.291	0.149	0.192
Full Power for Ant 0								
	5G NR n66/1RB#1 20M	Right Cheek	349000	24.27	25.20	1.239	0.287	0.356
	5G NR n66/1RB#1 20M	Right Tilt	349000	24.27	25.20	1.239	0.062	0.077
	5G NR n66/1RB#1 20M	Left Cheek	349000	24.27	25.20	1.239	0.127	0.157
	5G NR n66/1RB#1 20M	Left Tilt	349000	24.27	25.20	1.239	0.028	0.035
	5G NR n66/1RB#1 20M	Right Cheek	346000	24.21	25.20	1.256	0.230	0.289
	5G NR n66/1RB#1 20M	Right Cheek	352000	24.24	25.20	1.247	0.266	0.332
	5G NR n66/53RB#1 20M	Right Cheek	349000	23.49	24.20	1.178	0.230	0.271
	5G NR n66/53RB#1 20M	Right Tilt	349000	23.49	24.20	1.178	0.050	0.059
	5G NR n66/53RB#1 20M	Left Cheek	349000	23.49	24.20	1.178	0.101	0.119
	5G NR n66/53RB#1 20M	Left Tilt	349000	23.49	24.20	1.178	0.023	0.027
	5G NR n66/53RB#1 20M	Right Cheek	346000	23.34	24.20	1.219	0.184	0.224
	5G NR n66/53RB#1 20M	Right Cheek	352000	23.46	24.20	1.186	0.213	0.252
Reduced Power Level 1 for Ant 1								
	5G NR n66/1RB#1 20M	Right Cheek	349000	15.27	16.20	1.239	0.706	0.875
	5G NR n66/1RB#1 20M	Right Tilt	349000	15.27	16.20	1.239	0.732	0.907
	5G NR n66/1RB#1 20M	Left Cheek	349000	15.27	16.20	1.239	0.318	0.394
	5G NR n66/1RB#1 20M	Left Tilt	349000	15.27	16.20	1.239	0.417	0.517
	5G NR n66/1RB#1 20M	Right Cheek	346000	15.21	16.20	1.256	0.696	0.874
	5G NR n66/1RB#1 20M	Right Cheek	352000	15.24	16.20	1.247	0.687	0.857
24#	5G NR n66/1RB#1 20M	Right Tilt	346000	15.21	16.20	1.256	0.746	0.937
	5G NR n66/1RB#1 20M	Right Tilt	352000	15.24	16.20	1.247	0.704	0.878
	5G NR n66/53RB#1 20M	Right Cheek	349000	14.49	15.20	1.178	0.551	0.648
	5G NR n66/53RB#1 20M	Right Tilt	349000	14.49	15.20	1.178	0.571	0.672
	5G NR n66/53RB#1 20M	Left Cheek	349000	14.49	15.20	1.178	0.248	0.292
	5G NR n66/53RB#1 20M	Left Tilt	349000	14.49	15.20	1.178	0.323	0.380

	5G NR n66/53RB#1 20M	Right Cheek	346000	14.34	15.20	1.219	0.661	0.806
	5G NR n66/53RB#1 20M	Right Cheek	352000	14.46	15.20	1.186	0.601	0.713
	5G NR n66/106RB#1 20M	Right Tilt	346000	14.29	15.20	1.233	0.546	0.673
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n66/1RB#1 20M	Right Cheek	349000	12.77	13.70	1.239	0.408	0.505
	5G NR n66/1RB#1 20M	Right Tilt	349000	12.77	13.70	1.239	0.421	0.522
	5G NR n66/1RB#1 20M	Left Cheek	349000	12.77	13.70	1.239	0.183	0.227
	5G NR n66/1RB#1 20M	Left Tilt	349000	12.77	13.70	1.239	0.243	0.301
	5G NR n66/1RB#1 20M	Right Tilt	346000	12.71	13.70	1.256	0.435	0.546
	5G NR n66/1RB#1 20M	Right Tilt	352000	12.74	13.70	1.247	0.409	0.510
	5G NR n66/53RB#1 20M	Right Cheek	349000	11.99	12.70	1.178	0.310	0.365
	5G NR n66/53RB#1 20M	Right Tilt	349000	11.99	12.70	1.178	0.320	0.377
	5G NR n66/53RB#1 20M	Left Cheek	349000	11.99	12.70	1.178	0.139	0.164
	5G NR n66/53RB#1 20M	Left Tilt	349000	11.99	12.70	1.178	0.185	0.217
	5G NR n66/53RB#1 20M	Right Cheek	346000	11.84	12.70	1.219	0.331	0.403
	5G NR n66/53RB#1 20M	Right Cheek	352000	11.96	12.70	1.186	0.311	0.369
Full Power for Ant 4								
	5G NR n66/1RB#1 20M	Right Cheek	349000	24.27	25.20	1.239	0.237	0.294
	5G NR n66/1RB#1 20M	Right Tilt	349000	24.27	25.20	1.239	0.064	0.079
	5G NR n66/1RB#1 20M	Left Cheek	349000	24.27	25.20	1.239	0.072	0.089
	5G NR n66/1RB#1 20M	Left Tilt	349000	24.27	25.20	1.239	0.040	0.050
	5G NR n66/1RB#1 20M	Right Cheek	346000	24.21	25.20	1.256	0.221	0.278
	5G NR n66/1RB#1 20M	Right Cheek	352000	24.24	25.20	1.247	0.262	0.327
	5G NR n66/53RB#1 20M	Right Cheek	349000	23.49	24.20	1.178	0.185	0.218
	5G NR n66/53RB#1 20M	Right Tilt	349000	23.49	24.20	1.178	0.050	0.059
	5G NR n66/53RB#1 20M	Left Cheek	349000	23.49	24.20	1.178	0.056	0.066
	5G NR n66/53RB#1 20M	Left Tilt	349000	23.49	24.20	1.178	0.031	0.037
	5G NR n66/53RB#1 20M	Right Cheek	346000	23.34	24.20	1.219	0.192	0.234
	5G NR n66/53RB#1 20M	Right Cheek	352000	23.46	24.20	1.186	0.236	0.280
Full Power for Ant 0								
	5G NR n71/1RB#1 20M	Right Cheek	136100	24.28	25.20	1.236	0.088	0.109
	5G NR n71/1RB#1 20M	Right Tilt	136100	24.28	25.20	1.236	0.053	0.066
	5G NR n71/1RB#1 20M	Left Cheek	136100	24.28	25.20	1.236	0.066	0.082
	5G NR n71/1RB#1 20M	Left Tilt	136100	24.28	25.20	1.236	0.040	0.049
	5G NR n71/1RB#1 20M	Right Cheek	134600	24.25	25.20	1.245	0.080	0.100
	5G NR n71/1RB#1 20M	Right Cheek	137600	24.22	25.20	1.253	0.092	0.115
	5G NR n71/50RB#1 20M	Right Cheek	136100	23.60	24.20	1.148	0.070	0.081
	5G NR n71/50RB#1 20M	Right Tilt	136100	23.60	24.20	1.148	0.042	0.049

	5G NR n71/50RB#1 20M	Left Cheek	136100	23.60	24.20	1.148	0.053	0.061
	5G NR n71/50RB#1 20M	Left Tilt	136100	23.60	24.20	1.148	0.032	0.037
	5G NR n71/50RB#1 20M	Right Cheek	134600	23.56	24.20	1.159	0.064	0.074
	5G NR n71/50RB#1 20M	Right Cheek	137600	23.52	24.20	1.169	0.074	0.086
Reduced Power Level 1 for Ant 1								
	5G NR n71/1RB#1 20M	Right Cheek	136100	22.78	23.70	1.236	0.544	0.672
	5G NR n71/1RB#1 20M	Right Tilt	136100	22.78	23.70	1.236	0.360	0.445
	5G NR n71/1RB#1 20M	Left Cheek	136100	22.78	23.70	1.236	0.400	0.494
	5G NR n71/1RB#1 20M	Left Tilt	136100	22.78	23.70	1.236	0.357	0.441
25#	5G NR n71/1RB#1 20M	Right Cheek	134600	22.75	23.70	1.245	0.620	0.772
	5G NR n71/1RB#1 20M	Right Cheek	137600	22.72	23.70	1.253	0.524	0.657
	5G NR n71/50RB#1 20M	Right Cheek	136100	22.10	22.70	1.148	0.424	0.487
	5G NR n71/50RB#1 20M	Right Tilt	136100	22.10	22.70	1.148	0.281	0.322
	5G NR n71/50RB#1 20M	Left Cheek	136100	22.10	22.70	1.148	0.312	0.358
	5G NR n71/50RB#1 20M	Left Tilt	136100	22.10	22.70	1.148	0.278	0.320
	5G NR n71/50RB#1 20M	Right Cheek	134600	22.06	22.70	1.159	0.484	0.560
	5G NR n71/50RB#1 20M	Right Cheek	137600	22.02	22.70	1.169	0.409	0.478
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n71/1RB#1 20M	Right Cheek	136100	21.28	22.20	1.236	0.396	0.489
	5G NR n71/1RB#1 20M	Right Tilt	136100	21.28	22.20	1.236	0.264	0.326
	5G NR n71/1RB#1 20M	Left Cheek	136100	21.28	22.20	1.236	0.292	0.361
	5G NR n71/1RB#1 20M	Left Tilt	136100	21.28	22.20	1.236	0.263	0.325
	5G NR n71/1RB#1 20M	Right Cheek	134600	21.25	22.20	1.245	0.448	0.558
	5G NR n71/1RB#1 20M	Right Cheek	137600	21.22	22.20	1.253	0.383	0.480
	5G NR n71/50RB#1 20M	Right Cheek	136100	20.60	21.20	1.148	0.305	0.350
	5G NR n71/50RB#1 20M	Right Tilt	136100	20.60	21.20	1.148	0.203	0.233
	5G NR n71/50RB#1 20M	Left Cheek	136100	20.60	21.20	1.148	0.225	0.258
	5G NR n71/50RB#1 20M	Left Tilt	136100	20.60	21.20	1.148	0.203	0.233
	5G NR n71/50RB#1 20M	Right Cheek	134600	20.56	21.20	1.159	0.345	0.400
	5G NR n71/50RB#1 20M	Right Cheek	137600	20.52	21.20	1.169	0.295	0.345
Reduced Power Level 1 for Ant 3 (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	633334	21.23	22.20	1.250	0.214	0.268
	5G NR n77/1RB#1 100M	Right Tilt	633334	21.23	22.20	1.250	0.188	0.235
	5G NR n77/1RB#1 100M	Left Cheek	633334	21.23	22.20	1.250	0.837	1.046
	5G NR n77/1RB#1 100M	Left Tilt	633334	21.23	22.20	1.250	0.447	0.559
	5G NR n77/135RB#1 100M	Right Cheek	633334	20.39	21.20	1.205	0.174	0.210
	5G NR n77/135RB#1 100M	Right Tilt	633334	20.39	21.20	1.205	0.154	0.186

	5G NR n77/135RB#1 100M	Left Cheek	633334	20.39	21.20	1.205	0.669	0.806
	5G NR n77/135RB#1 100M	Left Tilt	633334	20.39	21.20	1.205	0.350	0.422
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	633334	18.73	19.70	1.250	0.122	0.153
	5G NR n77/1RB#1 100M	Right Tilt	633334	18.73	19.70	1.250	0.108	0.135
	5G NR n77/1RB#1 100M	Left Cheek	633334	18.73	19.70	1.250	0.472	0.590
	5G NR n77/1RB#1 100M	Left Tilt	633334	18.73	19.70	1.250	0.252	0.315
	5G NR n77/135RB#1 100M	Right Cheek	633334	17.89	18.70	1.205	0.092	0.110
	5G NR n77/135RB#1 100M	Right Tilt	633334	17.89	18.70	1.205	0.081	0.098
	5G NR n77/135RB#1 100M	Left Cheek	633334	17.89	18.70	1.205	0.354	0.427
	5G NR n77/135RB#1 100M	Left Tilt	633334	17.89	18.70	1.205	0.189	0.228
Reduced Power Level 1 for Ant 4 (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	633334	22.73	23.70	1.250	0.509	0.636
	5G NR n77/1RB#1 100M	Right Tilt	633334	22.73	23.70	1.250	0.098	0.123
	5G NR n77/1RB#1 100M	Left Cheek	633334	22.73	23.70	1.250	0.370	0.463
	5G NR n77/1RB#1 100M	Left Tilt	633334	22.73	23.70	1.250	0.068	0.085
	5G NR n77/1RB#1 100M	Right Cheek	633334	21.89	22.70	1.205	0.397	0.478
	5G NR n77/135RB#1 100M	Right Tilt	633334	21.89	22.70	1.205	0.077	0.092
	5G NR n77/135RB#1 100M	Left Cheek	633334	21.89	22.70	1.205	0.289	0.348
	5G NR n77/135RB#1 100M	Left Tilt	633334	21.89	22.70	1.205	0.053	0.064
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	633334	21.73	22.70	1.250	0.415	0.519
	5G NR n77/1RB#1 100M	Right Tilt	633334	21.73	22.70	1.250	0.088	0.110
	5G NR n77/1RB#1 100M	Left Cheek	633334	21.73	22.70	1.250	0.309	0.386
	5G NR n77/1RB#1 100M	Left Tilt	633334	21.73	22.70	1.250	0.066	0.083
	5G NR n77/135RB#1 100M	Right Cheek	633334	20.89	21.70	1.205	0.307	0.370
	5G NR n77/135RB#1 100M	Right Tilt	633334	20.89	21.70	1.205	0.065	0.078
	5G NR n77/135RB#1 100M	Left Cheek	633334	20.89	21.70	1.205	0.229	0.276
	5G NR n77/135RB#1 100M	Left Tilt	633334	20.89	21.70	1.205	0.049	0.059
Full Power for Ant 5 (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	633334	25.73	26.70	1.250	0.137	0.171
	5G NR n77/1RB#1 100M	Right Tilt	633334	25.73	26.70	1.250	0.111	0.139
	5G NR n77/1RB#1 100M	Left Cheek	633334	25.73	26.70	1.250	0.171	0.214
	5G NR n77/1RB#1 100M	Left Tilt	633334	25.73	26.70	1.250	0.139	0.174

	5G NR n77/135RB#1 100M	Right Cheek	633334	24.89	25.70	1.205	0.116	0.140
	5G NR n77/135RB#1 100M	Right Tilt	633334	24.89	25.70	1.205	0.076	0.092
	5G NR n77/135RB#1 100M	Left Cheek	633334	24.89	25.70	1.205	0.136	0.164
	5G NR n77/135RB#1 100M	Left Tilt	633334	24.89	25.70	1.205	0.070	0.084
Reduced Power Level 1 for Ant 6 (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	633334	21.23	22.20	1.250	0.438	0.548
	5G NR n77/1RB#1 100M	Right Tilt	633334	21.23	22.20	1.250	0.601	0.751
	5G NR n77/1RB#1 100M	Left Cheek	633334	21.23	22.20	1.250	0.829	1.036
	5G NR n77/1RB#1 100M	Left Tilt	633334	21.23	22.20	1.250	0.790	0.988
	5G NR n77/135RB#1 100M	Right Cheek	633334	20.39	21.20	1.205	0.354	0.427
	5G NR n77/135RB#1 100M	Right Tilt	633334	20.39	21.20	1.205	0.488	0.588
	5G NR n77/135RB#1 100M	Left Cheek	633334	20.39	21.20	1.205	0.620	0.747
	5G NR n77/135RB#1 100M	Left Tilt	633334	20.39	21.20	1.205	0.420	0.506
	5G NR n77/270RB#0 100M	Left Cheek	633334	20.19	21.20	1.262	0.613	0.773
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	633334	18.73	19.70	1.250	0.252	0.315
	5G NR n77/1RB#1 100M	Right Tilt	633334	18.73	19.70	1.250	0.344	0.430
	5G NR n77/1RB#1 100M	Left Cheek	633334	18.73	19.70	1.250	0.469	0.586
	5G NR n77/1RB#1 100M	Left Tilt	633334	18.73	19.70	1.250	0.447	0.559
	5G NR n77/135RB#1 100M	Right Cheek	633334	17.89	18.70	1.205	0.192	0.231
	5G NR n77/135RB#1 100M	Right Tilt	633334	17.89	18.70	1.205	0.261	0.315
	5G NR n77/135RB#1 100M	Left Cheek	633334	17.89	18.70	1.205	0.356	0.430
	5G NR n77/135RB#1 100M	Left Tilt	633334	17.89	18.70	1.205	0.340	0.409
Reduced Power Level 1 for Ant 3 (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	656000	16.88	17.70	1.208	0.312	0.377
	5G NR n77/1RB#1 100M	Right Tilt	656000	16.88	17.70	1.208	0.221	0.267
	5G NR n77/1RB#1 100M	Left Cheek	656000	16.88	17.70	1.208	0.519	0.627
	5G NR n77/1RB#1 100M	Left Tilt	656000	16.88	17.70	1.208	0.369	0.446
	5G NR n77/1RB#1 100M	Left Cheek	650000	16.79	17.70	1.233	0.738	0.910
26#	5G NR n77/1RB#1 100M	Left Cheek	653000	16.71	17.70	1.256	0.939	1.179
	5G NR n77/1RB#1 100M	Left Cheek	659000	16.75	17.70	1.245	0.573	0.713
	5G NR n77/1RB#1 100M	Left Cheek	662000	16.80	17.70	1.230	0.424	0.522
	5G NR n77/1RB#1 100M	Right Cheek	656000	15.79	16.70	1.233	0.243	0.300
	5G NR n77/135RB#1 100M	Right Tilt	656000	15.79	16.70	1.233	0.178	0.219
	5G NR n77/135RB#1 100M	Left Cheek	656000	15.79	16.70	1.233	0.408	0.503

	5G NR n77/135RB#1 100M	Left Tilt	656000	15.79	16.70	1.233	0.282	0.348
	5G NR n77/135RB#1 100M	Left Cheek	650000	15.65	16.70	1.274	0.564	0.718
	5G NR n77/135RB#1 100M	Left Cheek	653000	15.61	16.70	1.285	0.666	0.856
	5G NR n77/135RB#1 100M	Left Cheek	659000	15.73	16.70	1.250	0.494	0.618
	5G NR n77/135RB#1 100M	Left Cheek	662000	15.68	16.70	1.265	0.372	0.470
	5G NR n77/270RB#1 100M	Left Cheek	656000	15.57	16.70	1.297	0.548	0.711
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	656000	13.88	14.70	1.208	0.156	0.188
	5G NR n77/1RB#1 100M	Right Tilt	656000	13.88	14.70	1.208	0.114	0.138
	5G NR n77/1RB#1 100M	Left Cheek	656000	13.88	14.70	1.208	0.266	0.321
	5G NR n77/1RB#1 100M	Left Tilt	656000	13.88	14.70	1.208	0.188	0.227
	5G NR n77/1RB#1 100M	Left Cheek	650000	13.79	14.70	1.233	0.376	0.464
	5G NR n77/1RB#1 100M	Left Cheek	653000	13.71	14.70	1.256	0.454	0.570
	5G NR n77/1RB#1 100M	Left Cheek	659000	13.75	14.70	1.245	0.288	0.358
	5G NR n77/1RB#1 100M	Left Cheek	662000	13.80	14.70	1.230	0.221	0.272
	5G NR n77/135RB#1 100M	Right Cheek	656000	12.79	13.70	1.233	0.120	0.148
	5G NR n77/135RB#1 100M	Right Tilt	656000	12.79	13.70	1.233	0.088	0.108
	5G NR n77/135RB#1 100M	Left Cheek	656000	12.79	13.70	1.233	0.205	0.253
	5G NR n77/135RB#1 100M	Left Tilt	656000	12.79	13.70	1.233	0.145	0.179
	5G NR n77/135RB#1 100M	Left Cheek	650000	12.65	13.70	1.274	0.290	0.369
	5G NR n77/135RB#1 100M	Left Cheek	653000	12.61	13.70	1.285	0.350	0.449
	5G NR n77/135RB#1 100M	Left Cheek	659000	12.73	13.70	1.250	0.222	0.277
	5G NR n77/135RB#1 100M	Left Cheek	662000	12.68	13.70	1.265	0.170	0.215
Reduced Power Level 1 for Ant 4 (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	656000	22.88	23.70	1.208	0.595	0.719
	5G NR n77/1RB#1 100M	Right Tilt	656000	22.88	23.70	1.208	0.132	0.159
	5G NR n77/1RB#1 100M	Left Cheek	656000	22.88	23.70	1.208	0.433	0.523
	5G NR n77/1RB#1 100M	Left Tilt	656000	22.88	23.70	1.208	0.103	0.124
	5G NR n77/1RB#1 100M	Right Cheek	650000	22.79	23.70	1.233	0.499	0.615
	5G NR n77/1RB#1 100M	Right Cheek	653000	22.71	23.70	1.256	0.734	0.922
	5G NR n77/1RB#1 100M	Right Cheek	659000	22.75	23.70	1.245	0.573	0.713
	5G NR n77/1RB#1 100M	Right Cheek	662000	22.80	23.70	1.230	0.561	0.690
	5G NR n77/135RB#1 100M	Right Cheek	656000	21.79	22.70	1.233	0.470	0.580
	5G NR n77/135RB#1 100M	Right Tilt	656000	21.79	22.70	1.233	0.104	0.129
	5G NR n77/135RB#1 100M	Left Cheek	656000	21.79	22.70	1.233	0.342	0.422
	5G NR n77/135RB#1 100M	Left Tilt	656000	21.79	22.70	1.233	0.081	0.100

	5G NR n77/135RB#1 100M	Right Cheek	650000	21.65	22.70	1.274	0.394	0.502
	5G NR n77/135RB#1 100M	Right Cheek	653000	21.61	22.70	1.285	0.580	0.745
	5G NR n77/135RB#1 100M	Right Cheek	659000	21.73	22.70	1.250	0.453	0.566
	5G NR n77/135RB#1 100M	Right Cheek	662000	21.68	22.70	1.265	0.443	0.561
	5G NR n77/270RB#0 100M	Right Cheek	656000	21.57	22.70	1.297	0.384	0.498
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	656000	20.38	21.20	1.208	0.342	0.413
	5G NR n77/1RB#1 100M	Right Tilt	656000	20.38	21.20	1.208	0.078	0.094
	5G NR n77/1RB#1 100M	Left Cheek	656000	20.38	21.20	1.208	0.246	0.297
	5G NR n77/1RB#1 100M	Left Tilt	656000	20.38	21.20	1.208	0.059	0.071
	5G NR n77/1RB#1 100M	Right Cheek	650000	20.29	21.20	1.233	0.283	0.349
	5G NR n77/1RB#1 100M	Right Cheek	653000	20.21	21.20	1.256	0.415	0.521
	5G NR n77/1RB#1 100M	Right Cheek	659000	20.25	21.20	1.245	0.326	0.406
	5G NR n77/1RB#1 100M	Right Cheek	662000	20.30	21.20	1.230	0.317	0.390
	5G NR n77/1RB#1 100M	Right Cheek	656000	19.29	20.20	1.233	0.263	0.325
	5G NR n77/135RB#1 100M	Right Tilt	656000	19.29	20.20	1.233	0.060	0.074
	5G NR n77/135RB#1 100M	Left Cheek	656000	19.29	20.20	1.233	0.189	0.234
	5G NR n77/135RB#1 100M	Left Tilt	656000	19.29	20.20	1.233	0.045	0.056
	5G NR n77/135RB#1 100M	Right Cheek	650000	19.15	20.20	1.274	0.218	0.278
	5G NR n77/135RB#1 100M	Right Cheek	653000	19.11	20.20	1.285	0.320	0.411
	5G NR n77/135RB#1 100M	Right Cheek	659000	19.23	20.20	1.250	0.251	0.314
	5G NR n77/135RB#1 100M	Right Cheek	662000	19.18	20.20	1.265	0.244	0.309
Full Power for Ant 5 (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	656000	25.88	26.70	1.208	0.076	0.092
	5G NR n77/1RB#1 100M	Right Tilt	656000	25.88	26.70	1.208	0.068	0.082
	5G NR n77/1RB#1 100M	Left Cheek	656000	25.88	26.70	1.208	0.211	0.255
	5G NR n77/1RB#1 100M	Left Tilt	656000	25.88	26.70	1.208	0.077	0.093
	5G NR n77/1RB#1 100M	Left Cheek	650000	25.79	26.70	1.233	0.113	0.139
	5G NR n77/1RB#1 100M	Left Cheek	653000	25.71	26.70	1.256	0.177	0.222
	5G NR n77/1RB#1 100M	Left Cheek	659000	25.75	26.70	1.245	0.146	0.181
	5G NR n77/1RB#1 100M	Left Cheek	662000	25.80	26.70	1.230	0.228	0.281
	5G NR n77/135RB#1 100M	Right Cheek	656000	24.79	25.70	1.233	0.055	0.068
	5G NR n77/135RB#1 100M	Right Tilt	656000	24.79	25.70	1.233	0.047	0.059
	5G NR n77/135RB#1 100M	Left Cheek	656000	24.79	25.70	1.233	0.165	0.203
	5G NR n77/135RB#1 100M	Left Tilt	656000	24.79	25.70	1.233	0.055	0.068
	5G NR n77/135RB#1 100M	Left Cheek	650000	24.65	25.70	1.274	0.090	0.115

	5G NR n77/135RB#1 100M	Left Cheek	653000	24.61	25.70	1.285	0.140	0.180
	5G NR n77/135RB#1 100M	Left Cheek	659000	24.73	25.70	1.250	0.116	0.145
	5G NR n77/135RB#1 100M	Left Cheek	662000	24.68	25.70	1.265	0.177	0.223
Reduced Power Level 1 for Ant 6 (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	656000	19.88	20.70	1.208	0.467	0.564
	5G NR n77/1RB#1 100M	Right Tilt	656000	19.88	20.70	1.208	0.451	0.545
	5G NR n77/1RB#1 100M	Left Cheek	656000	19.88	20.70	1.208	0.691	0.835
	5G NR n77/1RB#1 100M	Left Tilt	656000	19.88	20.70	1.208	0.441	0.533
	5G NR n77/1RB#1 100M	Left Cheek	650000	19.79	20.70	1.233	0.699	0.862
	5G NR n77/1RB#1 100M	Left Cheek	653000	19.71	20.70	1.256	0.898	1.128
	5G NR n77/1RB#1 100M	Left Cheek	659000	19.75	20.70	1.245	0.809	1.007
	5G NR n77/1RB#1 100M	Left Cheek	662000	19.80	20.70	1.230	0.714	0.878
	5G NR n77/135RB#1 100M	Right Cheek	656000	18.79	19.70	1.233	0.374	0.461
	5G NR n77/135RB#1 100M	Right Tilt	656000	18.79	19.70	1.233	0.361	0.445
	5G NR n77/135RB#1 100M	Left Cheek	656000	18.79	19.70	1.233	0.528	0.651
	5G NR n77/135RB#1 100M	Left Tilt	656000	18.79	19.70	1.233	0.328	0.404
	5G NR n77/135RB#1 100M	Left Cheek	650000	18.65	19.70	1.274	0.472	0.601
	5G NR n77/135RB#1 100M	Left Cheek	653000	18.61	19.70	1.285	0.694	0.892
	5G NR n77/135RB#1 100M	Left Cheek	659000	18.73	19.70	1.250	0.687	0.859
	5G NR n77/135RB#1 100M	Left Cheek	662000	18.68	19.70	1.265	0.784	0.992
	5G NR n77/270RB#0 100M	Left Cheek	656000	18.57	19.70	1.297	0.470	0.609
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n77/1RB#1 100M	Right Cheek	656000	16.88	17.70	1.208	0.244	0.295
	5G NR n77/1RB#1 100M	Right Tilt	656000	16.88	17.70	1.208	0.236	0.285
	5G NR n77/1RB#1 100M	Left Cheek	656000	16.88	17.70	1.208	0.356	0.430
	5G NR n77/1RB#1 100M	Left Tilt	656000	16.88	17.70	1.208	0.231	0.279
	5G NR n77/1RB#1 100M	Left Cheek	650000	16.79	17.70	1.233	0.361	0.445
	5G NR n77/1RB#1 100M	Left Cheek	653000	16.71	17.70	1.256	0.462	0.580
	5G NR n77/1RB#1 100M	Left Cheek	659000	16.75	17.70	1.245	0.415	0.516
	5G NR n77/1RB#1 100M	Left Cheek	662000	16.80	17.70	1.230	0.368	0.453
	5G NR n77/135RB#1 100M	Right Cheek	656000	15.79	16.70	1.233	0.185	0.229
	5G NR n77/135RB#1 100M	Right Tilt	656000	15.79	16.70	1.233	0.179	0.221
	5G NR n77/135RB#1 100M	Left Cheek	656000	15.79	16.70	1.233	0.271	0.334
	5G NR n77/135RB#1 100M	Left Tilt	656000	15.79	16.70	1.233	0.176	0.216
	5G NR n77/135RB#1 100M	Left Cheek	650000	15.65	16.70	1.274	0.274	0.349
	5G NR n77/135RB#1 100M	Left Cheek	653000	15.61	16.70	1.285	0.351	0.451

	5G NR n77/135RB#1 100M	Left Cheek	659000	15.73	16.70	1.250	0.315	0.394
	5G NR n77/135RB#1 100M	Left Cheek	662000	15.68	16.70	1.265	0.280	0.354
Reduced Power Level 1 for Ant 3								
	5G NR n77/1RB#1 100M	Right Cheek	633334	20.38	21.20	1.208	0.204	0.246
	5G NR n77/1RB#1 100M	Right Tilt	633334	20.38	21.20	1.208	0.175	0.211
	5G NR n77/1RB#1 100M	Left Cheek	633334	20.38	21.20	1.208	0.774	0.935
	5G NR n77/1RB#1 100M	Left Tilt	633334	20.38	21.20	1.208	0.414	0.500
	5G NR n77/135RB#1 100M	Right Cheek	633334	19.22	20.20	1.253	0.174	0.218
	5G NR n77/135RB#1 100M	Right Tilt	633334	19.22	20.20	1.253	0.154	0.193
	5G NR n77/135RB#1 100M	Left Cheek	633334	19.22	20.20	1.253	0.669	0.838
	5G NR n77/135RB#1 100M	Left Tilt	633334	19.22	20.20	1.253	0.350	0.439
	5G NR n77/270RB#0 100M	Left Cheek	633334	19.19	20.20	1.262	0.604	0.762
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n77/1RB#1 100M	Right Cheek	633334	17.88	18.70	1.208	0.122	0.147
	5G NR n77/1RB#1 100M	Right Tilt	633334	17.88	18.70	1.208	0.104	0.126
	5G NR n77/1RB#1 100M	Left Cheek	633334	17.88	18.70	1.208	0.447	0.540
	5G NR n77/1RB#1 100M	Left Tilt	633334	17.88	18.70	1.208	0.243	0.293
	5G NR n77/135RB#1 100M	Right Cheek	633334	16.72	17.70	1.253	0.092	0.115
	5G NR n77/135RB#1 100M	Right Tilt	633334	16.72	17.70	1.253	0.078	0.098
	5G NR n77/135RB#1 100M	Left Cheek	633334	16.72	17.70	1.253	0.335	0.420
	5G NR n77/135RB#1 100M	Left Tilt	633334	16.72	17.70	1.253	0.182	0.228
Full Power for Ant 4								
	5G NR n77/1RB#1 100M	Right Cheek	633334	23.38	24.20	1.208	0.518	0.626
	5G NR n77/1RB#1 100M	Right Tilt	633334	23.38	24.20	1.208	0.088	0.106
	5G NR n77/1RB#1 100M	Left Cheek	633334	23.38	24.20	1.208	0.331	0.399
	5G NR n77/1RB#1 100M	Left Tilt	633334	23.38	24.20	1.208	0.061	0.073
	5G NR n77/1RB#1 100M	Right Cheek	633334	22.22	23.20	1.253	0.455	0.570
	5G NR n77/135RB#1 100M	Right Tilt	633334	22.22	23.20	1.253	0.069	0.086
	5G NR n77/135RB#1 100M	Left Cheek	633334	22.22	23.20	1.253	0.258	0.323
	5G NR n77/135RB#1 100M	Left Tilt	633334	22.22	23.20	1.253	0.047	0.059
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n77/1RB#1 100M	Right Cheek	633334	22.88	23.70	1.208	0.466	0.563
	5G NR n77/1RB#1 100M	Right Tilt	633334	22.88	23.70	1.208	0.083	0.100
	5G NR n77/1RB#1 100M	Left Cheek	633334	22.88	23.70	1.208	0.302	0.365
	5G NR n77/1RB#1 100M	Left Tilt	633334	22.88	23.70	1.208	0.062	0.075
	5G NR n77/135RB#1 100M	Right Cheek	633334	21.72	22.70	1.253	0.359	0.450
	5G NR n77/135RB#1 100M	Right Tilt	633334	21.72	22.70	1.253	0.064	0.080
	5G NR n77/135RB#1 100M	Left Cheek	633334	21.72	22.70	1.253	0.233	0.291

	5G NR n77/135RB#1 100M	Left Tilt	633334	21.72	22.70	1.253	0.048	0.060
Full Power for Ant 5								
	5G NR n77/1RB#1 100M	Right Cheek	633334	23.38	24.20	1.208	0.127	0.153
	5G NR n77/1RB#1 100M	Right Tilt	633334	23.38	24.20	1.208	0.101	0.122
	5G NR n77/1RB#1 100M	Left Cheek	633334	23.38	24.20	1.208	0.161	0.194
	5G NR n77/1RB#1 100M	Left Tilt	633334	23.38	24.20	1.208	0.104	0.126
	5G NR n77/135RB#1 100M	Right Cheek	633334	22.22	23.20	1.253	0.106	0.133
	5G NR n77/135RB#1 100M	Right Tilt	633334	22.22	23.20	1.253	0.067	0.084
	5G NR n77/135RB#1 100M	Left Cheek	633334	22.22	23.20	1.253	0.148	0.185
	5G NR n77/135RB#1 100M	Left Tilt	633334	22.22	23.20	1.253	0.090	0.113
Reduced Power Level 1 for Ant 6								
	5G NR n77/1RB#1 100M	Right Cheek	633334	20.38	21.20	1.208	0.274	0.331
	5G NR n77/1RB#1 100M	Right Tilt	633334	20.38	21.20	1.208	0.377	0.455
	5G NR n77/1RB#1 100M	Left Cheek	633334	20.38	21.20	1.208	0.708	0.855
	5G NR n77/1RB#1 100M	Left Tilt	633334	20.38	21.20	1.208	0.620	0.749
	5G NR n77/135RB#1 100M	Right Cheek	633334	19.22	20.20	1.253	0.214	0.268
	5G NR n77/135RB#1 100M	Right Tilt	633334	19.22	20.20	1.253	0.294	0.368
	5G NR n77/135RB#1 100M	Left Cheek	633334	19.22	20.20	1.253	0.552	0.692
	5G NR n77/135RB#1 100M	Left Tilt	633334	19.22	20.20	1.253	0.484	0.606
	5G NR n77/270RB#0 100M	Left Cheek	633334	19.19	20.20	1.262	0.508	0.641
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n77/1RB#1 100M	Right Cheek	633334	18.38	19.20	1.208	0.178	0.215
	5G NR n77/1RB#1 100M	Right Tilt	633334	18.38	19.20	1.208	0.245	0.296
	5G NR n77/1RB#1 100M	Left Cheek	633334	18.38	19.20	1.208	0.458	0.553
	5G NR n77/1RB#1 100M	Left Tilt	633334	18.38	19.20	1.208	0.402	0.486
	5G NR n77/135RB#1 100M	Right Cheek	633334	17.22	18.20	1.253	0.134	0.167
	5G NR n77/135RB#1 100M	Right Tilt	633334	17.22	18.20	1.253	0.184	0.230
	5G NR n77/135RB#1 100M	Left Cheek	633334	17.22	18.20	1.253	0.344	0.430
	5G NR n77/135RB#1 100M	Left Tilt	633334	17.22	18.20	1.253	0.302	0.378
Reduced Power Level 1 for Ant 3								
	5G NR n77/1RB#1 100M	Right Cheek	656000	16.81	17.70	1.227	0.286	0.351
	5G NR n77/1RB#1 100M	Right Tilt	656000	16.81	17.70	1.227	0.177	0.217
	5G NR n77/1RB#1 100M	Left Cheek	656000	16.81	17.70	1.227	0.497	0.610
	5G NR n77/1RB#1 100M	Left Tilt	656000	16.81	17.70	1.227	0.345	0.423
	5G NR n77/1RB#1 100M	Left Cheek	650000	16.79	17.70	1.233	0.699	0.862
	5G NR n77/1RB#1 100M	Left Cheek	653000	16.70	17.70	1.259	0.897	1.129
	5G NR n77/1RB#1 100M	Left Cheek	659000	16.75	17.70	1.245	0.540	0.672
	5G NR n77/1RB#1 100M	Left Cheek	662000	16.72	17.70	1.253	0.375	0.470

	5G NR n77/1RB#1 100M	Right Cheek	656000	15.92	16.70	1.197	0.236	0.282
	5G NR n77/135RB#1 100M	Right Tilt	656000	15.92	16.70	1.197	0.140	0.168
	5G NR n77/135RB#1 100M	Left Cheek	656000	15.92	16.70	1.197	0.400	0.479
	5G NR n77/135RB#1 100M	Left Tilt	656000	15.92	16.70	1.197	0.281	0.336
	5G NR n77/135RB#1 100M	Left Cheek	650000	15.82	16.70	1.225	0.545	0.667
	5G NR n77/135RB#1 100M	Left Cheek	653000	15.79	16.70	1.233	0.722	0.890
	5G NR n77/135RB#1 100M	Left Cheek	659000	15.79	16.70	1.233	0.459	0.566
	5G NR n77/135RB#1 100M	Left Cheek	662000	15.88	16.70	1.208	0.357	0.431
	5G NR n77/270RB#0 100M	Left Cheek	656000	15.97	16.70	1.183	0.523	0.619
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n77/1RB#1 100M	Right Cheek	656000	13.81	14.70	1.227	0.148	0.182
	5G NR n77/1RB#1 100M	Right Tilt	656000	13.81	14.70	1.227	0.093	0.114
	5G NR n77/1RB#1 100M	Left Cheek	656000	13.81	14.70	1.227	0.254	0.312
	5G NR n77/1RB#1 100M	Left Tilt	656000	13.81	14.70	1.227	0.178	0.218
	5G NR n77/1RB#1 100M	Left Cheek	650000	13.79	14.70	1.233	0.356	0.439
	5G NR n77/1RB#1 100M	Left Cheek	653000	13.70	14.70	1.259	0.457	0.575
	5G NR n77/1RB#1 100M	Left Cheek	659000	13.75	14.70	1.245	0.274	0.341
	5G NR n77/1RB#1 100M	Left Cheek	662000	13.72	14.70	1.253	0.192	0.241
	5G NR n77/135RB#1 100M	Right Cheek	656000	12.92	13.70	1.197	0.111	0.133
	5G NR n77/135RB#1 100M	Right Tilt	656000	12.92	13.70	1.197	0.070	0.083
	5G NR n77/135RB#1 100M	Left Cheek	656000	12.92	13.70	1.197	0.191	0.228
	5G NR n77/135RB#1 100M	Left Tilt	656000	12.92	13.70	1.197	0.134	0.160
	5G NR n77/135RB#1 100M	Left Cheek	650000	12.82	13.70	1.225	0.267	0.327
	5G NR n77/135RB#1 100M	Left Cheek	653000	12.79	13.70	1.233	0.343	0.423
	5G NR n77/135RB#1 100M	Left Cheek	659000	12.79	13.70	1.233	0.206	0.253
	5G NR n77/135RB#1 100M	Left Cheek	662000	12.88	13.70	1.208	0.144	0.174
Full Power for Ant 4								
	5G NR n77/1RB#1 100M	Right Cheek	656000	23.31	24.20	1.227	0.438	0.538
	5G NR n77/1RB#1 100M	Right Tilt	656000	23.31	24.20	1.227	0.175	0.215
	5G NR n77/1RB#1 100M	Left Cheek	656000	23.31	24.20	1.227	0.346	0.425
	5G NR n77/1RB#1 100M	Left Tilt	656000	23.31	24.20	1.227	0.159	0.195
	5G NR n77/1RB#1 100M	Right Cheek	650000	23.29	24.20	1.233	0.517	0.638
	5G NR n77/1RB#1 100M	Right Cheek	653000	23.20	24.20	1.259	0.650	0.818
	5G NR n77/1RB#1 100M	Right Cheek	659000	23.25	24.20	1.245	0.426	0.530
	5G NR n77/1RB#1 100M	Right Cheek	662000	23.22	24.20	1.253	0.419	0.525
	5G NR n77/135RB#1 100M	Right Cheek	656000	22.42	23.20	1.197	0.267	0.320
	5G NR n77/135RB#1 100M	Right Tilt	656000	22.42	23.20	1.197	0.059	0.071
	5G NR n77/135RB#1 100M	Left Cheek	656000	22.42	23.20	1.197	0.194	0.233

	5G NR n77/135RB#1 100M	Left Tilt	656000	22.42	23.20	1.197	0.046	0.055
	5G NR n77/135RB#1 100M	Right Cheek	650000	22.32	23.20	1.225	0.224	0.274
	5G NR n77/135RB#1 100M	Right Cheek	653000	22.29	23.20	1.233	0.494	0.610
	5G NR n77/135RB#1 100M	Right Cheek	659000	22.29	23.20	1.233	0.357	0.440
	5G NR n77/135RB#1 100M	Right Cheek	662000	22.38	23.20	1.208	0.352	0.425
	5G NR n77/270RB#0 100M	Right Cheek	656000	22.47	23.20	1.183	0.485	0.574
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n77/1RB#1 100M	Right Cheek	656000	21.31	22.20	1.227	0.283	0.347
	5G NR n77/1RB#1 100M	Right Tilt	656000	21.31	22.20	1.227	0.121	0.149
	5G NR n77/1RB#1 100M	Left Cheek	656000	21.31	22.20	1.227	0.225	0.276
	5G NR n77/1RB#1 100M	Left Tilt	656000	21.31	22.20	1.227	0.103	0.126
	5G NR n77/1RB#1 100M	Right Cheek	650000	21.29	22.20	1.233	0.336	0.414
	5G NR n77/1RB#1 100M	Right Cheek	653000	21.20	22.20	1.259	0.423	0.533
	5G NR n77/1RB#1 100M	Right Cheek	659000	21.25	22.20	1.245	0.277	0.345
	5G NR n77/1RB#1 100M	Right Cheek	662000	21.22	22.20	1.253	0.269	0.337
	5G NR n77/1RB#1 100M	Right Cheek	656000	20.42	21.20	1.197	0.209	0.251
	5G NR n77/135RB#1 100M	Right Tilt	656000	20.42	21.20	1.197	0.090	0.107
	5G NR n77/135RB#1 100M	Left Cheek	656000	20.42	21.20	1.197	0.167	0.199
	5G NR n77/135RB#1 100M	Left Tilt	656000	20.42	21.20	1.197	0.076	0.091
	5G NR n77/135RB#1 100M	Right Cheek	650000	20.32	21.20	1.225	0.249	0.304
	5G NR n77/135RB#1 100M	Right Cheek	653000	20.29	21.20	1.233	0.313	0.386
	5G NR n77/135RB#1 100M	Right Cheek	659000	20.29	21.20	1.233	0.205	0.253
	5G NR n77/135RB#1 100M	Right Cheek	662000	20.38	21.20	1.208	0.199	0.240
Full Power for Ant 5								
	5G NR n77/1RB#1 100M	Right Cheek	656000	23.31	24.20	1.227	0.055	0.068
	5G NR n77/1RB#1 100M	Right Tilt	656000	23.31	24.20	1.227	0.053	0.065
	5G NR n77/1RB#1 100M	Left Cheek	656000	23.31	24.20	1.227	0.165	0.203
	5G NR n77/1RB#1 100M	Left Tilt	656000	23.31	24.20	1.227	0.054	0.066
	5G NR n77/1RB#1 100M	Left Cheek	650000	23.29	24.20	1.233	0.084	0.104
	5G NR n77/1RB#1 100M	Left Cheek	653000	23.20	24.20	1.259	0.138	0.173
	5G NR n77/1RB#1 100M	Left Cheek	659000	23.25	24.20	1.245	0.113	0.140
	5G NR n77/1RB#1 100M	Left Cheek	662000	23.22	24.20	1.253	0.173	0.217
	5G NR n77/135RB#1 100M	Right Cheek	656000	22.42	23.20	1.197	0.042	0.051
	5G NR n77/135RB#1 100M	Right Tilt	656000	22.42	23.20	1.197	0.035	0.041
	5G NR n77/135RB#1 100M	Left Cheek	656000	22.42	23.20	1.197	0.126	0.151
	5G NR n77/135RB#1 100M	Left Tilt	656000	22.42	23.20	1.197	0.040	0.048
	5G NR n77/135RB#1 100M	Left Cheek	650000	22.32	23.20	1.225	0.068	0.083
	5G NR n77/135RB#1 100M	Left Cheek	653000	22.29	23.20	1.233	0.106	0.130

	5G NR n77/135RB#1 100M	Left Cheek	659000	22.29	23.20	1.233	0.092	0.113
	5G NR n77/135RB#1 100M	Left Cheek	662000	22.38	23.20	1.208	0.138	0.166
Reduced Power Level 1 for Ant 6								
	5G NR n77/1RB#1 100M	Right Cheek	656000	19.81	20.70	1.227	0.407	0.500
	5G NR n77/1RB#1 100M	Right Tilt	656000	19.81	20.70	1.227	0.401	0.492
	5G NR n77/1RB#1 100M	Left Cheek	656000	19.81	20.70	1.227	0.633	0.777
	5G NR n77/1RB#1 100M	Left Tilt	656000	19.81	20.70	1.227	0.381	0.468
	5G NR n77/1RB#1 100M	Right Cheek	650000	19.79	20.70	1.233	0.603	0.744
	5G NR n77/1RB#1 100M	Right Cheek	653000	19.70	20.70	1.259	0.884	1.113
	5G NR n77/1RB#1 100M	Right Cheek	659000	19.75	20.70	1.245	0.809	1.007
	5G NR n77/1RB#1 100M	Right Cheek	662000	19.72	20.70	1.253	0.714	0.895
	5G NR n77/135RB#1 100M	Right Cheek	656000	18.92	19.70	1.197	0.334	0.399
	5G NR n77/135RB#1 100M	Right Tilt	656000	18.92	19.70	1.197	0.329	0.394
	5G NR n77/135RB#1 100M	Left Cheek	656000	18.92	19.70	1.197	0.519	0.621
	5G NR n77/135RB#1 100M	Left Tilt	656000	18.92	19.70	1.197	0.312	0.374
	5G NR n77/135RB#1 100M	Right Cheek	650000	18.82	19.70	1.225	0.494	0.606
	5G NR n77/135RB#1 100M	Right Cheek	653000	18.79	19.70	1.233	0.725	0.894
	5G NR n77/135RB#1 100M	Right Cheek	659000	18.79	19.70	1.233	0.663	0.818
	5G NR n77/135RB#1 100M	Right Cheek	662000	18.88	19.70	1.208	0.585	0.707
	5G NR n77/270RB#0 100M	Right Cheek	656000	18.97	19.70	1.183	0.327	0.387
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n77/1RB#1 100M	Right Cheek	656000	16.81	17.70	1.227	0.214	0.263
	5G NR n77/1RB#1 100M	Right Tilt	656000	16.81	17.70	1.227	0.205	0.252
	5G NR n77/1RB#1 100M	Left Cheek	656000	16.81	17.70	1.227	0.332	0.408
	5G NR n77/1RB#1 100M	Left Tilt	656000	16.81	17.70	1.227	0.198	0.243
	5G NR n77/1RB#1 100M	Right Cheek	650000	16.79	17.70	1.233	0.312	0.385
	5G NR n77/1RB#1 100M	Right Cheek	653000	16.70	17.70	1.259	0.451	0.568
	5G NR n77/1RB#1 100M	Right Cheek	659000	16.75	17.70	1.245	0.415	0.516
	5G NR n77/1RB#1 100M	Right Cheek	662000	16.72	17.70	1.253	0.362	0.454
	5G NR n77/135RB#1 100M	Right Cheek	656000	15.92	16.70	1.197	0.161	0.192
	5G NR n77/135RB#1 100M	Right Tilt	656000	15.92	16.70	1.197	0.154	0.184
	5G NR n77/135RB#1 100M	Left Cheek	656000	15.92	16.70	1.197	0.249	0.298
	5G NR n77/135RB#1 100M	Left Tilt	656000	15.92	16.70	1.197	0.149	0.178
	5G NR n77/135RB#1 100M	Right Cheek	650000	15.82	16.70	1.225	0.234	0.287
	5G NR n77/135RB#1 100M	Right Cheek	653000	15.79	16.70	1.233	0.338	0.417
	5G NR n77/135RB#1 100M	Right Cheek	659000	15.79	16.70	1.233	0.311	0.384
	5G NR n77/135RB#1 100M	Right Cheek	662000	15.88	16.70	1.208	0.272	0.328
Reduced Power Level 1 for Ant 3								

(HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	633334	21.27	22.20	1.239	0.185	0.229
	5G NR n78/1RB#1 100M	Right Tilt	633334	21.27	22.20	1.239	0.163	0.201
	5G NR n78/1RB#1 100M	Left Cheek	633334	21.27	22.20	1.239	0.724	0.897
	5G NR n78/1RB#1 100M	Left Tilt	633334	21.27	22.20	1.239	0.387	0.479
	5G NR n78/135RB#1 100M	Right Cheek	633334	20.30	21.20	1.230	0.151	0.185
	5G NR n78/135RB#1 100M	Right Tilt	633334	20.30	21.20	1.230	0.133	0.164
	5G NR n78/135RB#1 100M	Left Cheek	633334	20.30	21.20	1.230	0.579	0.712
	5G NR n78/135RB#1 100M	Left Tilt	633334	20.30	21.20	1.230	0.303	0.372
	5G NR n78/270RB#0 100M	Left Cheek	633334	21.23	22.20	1.250	0.551	0.689
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	633334	19.27	20.20	1.239	0.113	0.140
	5G NR n78/1RB#1 100M	Right Tilt	633334	19.27	20.20	1.239	0.101	0.125
	5G NR n78/1RB#1 100M	Left Cheek	633334	19.27	20.20	1.239	0.456	0.565
	5G NR n78/1RB#1 100M	Left Tilt	633334	19.27	20.20	1.239	0.227	0.282
	5G NR n78/135RB#1 100M	Right Cheek	633334	18.30	19.20	1.230	0.084	0.103
	5G NR n78/135RB#1 100M	Right Tilt	633334	18.30	19.20	1.230	0.075	0.092
	5G NR n78/135RB#1 100M	Left Cheek	633334	18.30	19.20	1.230	0.341	0.420
	5G NR n78/135RB#1 100M	Left Tilt	633334	18.30	19.20	1.230	0.168	0.207
Reduced Power Level 1 for Ant 4 (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	633334	22.77	23.70	1.239	0.387	0.479
	5G NR n78/1RB#1 100M	Right Tilt	633334	22.77	23.70	1.239	0.075	0.093
	5G NR n78/1RB#1 100M	Left Cheek	633334	22.77	23.70	1.239	0.281	0.348
	5G NR n78/1RB#1 100M	Left Tilt	633334	22.77	23.70	1.239	0.051	0.064
	5G NR n78/135RB#1 100M	Right Cheek	633334	21.80	22.70	1.230	0.302	0.371
	5G NR n78/135RB#1 100M	Right Tilt	633334	21.80	22.70	1.230	0.058	0.072
	5G NR n78/135RB#1 100M	Left Cheek	633334	21.80	22.70	1.230	0.219	0.270
	5G NR n78/135RB#1 100M	Left Tilt	633334	21.80	22.70	1.230	0.040	0.049
Full Power for Ant 5 (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	633334	25.77	26.70	1.239	0.117	0.145
	5G NR n78/1RB#1 100M	Right Tilt	633334	25.77	26.70	1.239	0.095	0.118
	5G NR n78/1RB#1 100M	Left Cheek	633334	25.77	26.70	1.239	0.146	0.181
	5G NR n78/1RB#1 100M	Left Tilt	633334	25.77	26.70	1.239	0.119	0.147
	5G NR n78/135RB#1 100M	Right Cheek	633334	24.80	25.70	1.230	0.099	0.122
	5G NR n78/135RB#1 100M	Right Tilt	633334	24.80	25.70	1.230	0.065	0.080

	5G NR n78/135RB#1 100M	Left Cheek	633334	24.80	25.70	1.230	0.116	0.143
	5G NR n78/135RB#1 100M	Left Tilt	633334	24.80	25.70	1.230	0.060	0.074
Reduced Power Level 1 for Ant 6 (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	633334	21.27	22.20	1.239	0.484	0.600
	5G NR n78/1RB#1 100M	Right Tilt	633334	21.27	22.20	1.239	0.665	0.824
	5G NR n78/1RB#1 100M	Left Cheek	633334	21.27	22.20	1.239	0.917	1.136
	5G NR n78/1RB#1 100M	Left Tilt	633334	21.27	22.20	1.239	0.874	1.083
	5G NR n78/135RB#1 100M	Right Cheek	633334	20.30	21.20	1.230	0.370	0.455
	5G NR n78/135RB#1 100M	Right Tilt	633334	20.30	21.20	1.230	0.510	0.627
	5G NR n78/135RB#1 100M	Left Cheek	633334	20.30	21.20	1.230	0.648	0.797
	5G NR n78/135RB#1 100M	Left Tilt	633334	20.30	21.20	1.230	0.439	0.540
	5G NR n78/270RB#0 100M	Left Cheek	633334	21.18	21.20	1.005	0.640	0.643
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	633334	18.77	19.70	1.239	0.273	0.338
	5G NR n78/1RB#1 100M	Right Tilt	633334	18.77	19.70	1.239	0.375	0.465
	5G NR n78/1RB#1 100M	Left Cheek	633334	18.77	19.70	1.239	0.508	0.629
	5G NR n78/1RB#1 100M	Left Tilt	633334	18.77	19.70	1.239	0.491	0.608
	5G NR n78/135RB#1 100M	Right Cheek	633334	17.80	18.70	1.230	0.205	0.252
	5G NR n78/135RB#1 100M	Right Tilt	633334	17.80	18.70	1.230	0.281	0.346
	5G NR n78/135RB#1 100M	Left Cheek	633334	17.80	18.70	1.230	0.389	0.478
	5G NR n78/135RB#1 100M	Left Tilt	633334	17.80	18.70	1.230	0.368	0.453
Reduced Power Level 1 for Ant 3 (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	650000	16.68	17.70	1.265	0.325	0.411
	5G NR n78/1RB#1 100M	Right Tilt	650000	16.68	17.70	1.265	0.277	0.350
27#	5G NR n78/1RB#1 100M	Left Cheek	650000	16.68	17.70	1.265	0.919	1.162
	5G NR n78/1RB#1 100M	Left Tilt	650000	16.68	17.70	1.265	0.236	0.298
	5G NR n78/135RB#1 100M	Right Cheek	650000	15.81	16.70	1.227	0.260	0.319
	5G NR n78/135RB#1 100M	Right Tilt	650000	15.81	16.70	1.227	0.222	0.272
	5G NR n78/135RB#1 100M	Left Cheek	650000	15.81	16.70	1.227	0.735	0.902
	5G NR n78/135RB#1 100M	Left Tilt	650000	15.81	16.70	1.227	0.189	0.232
	5G NR n78/270RB#0 100M	Left Cheek	650000	15.55	16.70	1.303	0.685	0.893
Reduced Power Level 3 for Simultaneous Transmission (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	650000	13.68	14.70	1.265	0.158	0.200
	5G NR n78/1RB#1 100M	Right Tilt	650000	13.68	14.70	1.265	0.129	0.163

	5G NR n78/1RB#1 100M	Left Cheek	650000	13.68	14.70	1.265	0.452	0.572
	5G NR n78/1RB#1 100M	Left Tilt	650000	13.68	14.70	1.265	0.122	0.154
	5G NR n78/135RB#1 100M	Right Cheek	650000	12.81	13.70	1.227	0.117	0.144
	5G NR n78/135RB#1 100M	Right Tilt	650000	12.81	13.70	1.227	0.095	0.117
	5G NR n78/135RB#1 100M	Left Cheek	650000	12.81	13.70	1.227	0.334	0.411
	5G NR n78/135RB#1 100M	Left Tilt	650000	12.81	13.70	1.227	0.090	0.111
Reduced Power Level 1 for Ant 4 (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	650000	22.68	23.70	1.265	0.312	0.395
	5G NR n78/1RB#1 100M	Right Tilt	650000	22.68	23.70	1.265	0.074	0.094
	5G NR n78/1RB#1 100M	Left Cheek	650000	22.68	23.70	1.265	0.198	0.250
	5G NR n78/1RB#1 100M	Left Tilt	650000	22.68	23.70	1.265	0.034	0.043
	5G NR n78/135RB#1 100M	Right Cheek	650000	21.81	22.70	1.227	0.259	0.318
	5G NR n78/135RB#1 100M	Right Tilt	650000	21.81	22.70	1.227	0.060	0.073
	5G NR n78/135RB#1 100M	Left Cheek	650000	21.81	22.70	1.227	0.154	0.189
	5G NR n78/135RB#1 100M	Left Tilt	650000	21.81	22.70	1.227	0.027	0.034
Full Power for Ant 5 (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	650000	25.68	26.70	1.265	0.250	0.316
	5G NR n78/1RB#1 100M	Right Tilt	650000	25.68	26.70	1.265	0.090	0.114
	5G NR n78/1RB#1 100M	Left Cheek	650000	25.68	26.70	1.265	0.294	0.371
	5G NR n78/1RB#1 100M	Left Tilt	650000	25.68	26.70	1.265	0.127	0.160
	5G NR n78/135RB#1 100M	Right Cheek	650000	24.81	25.70	1.227	0.207	0.255
	5G NR n78/135RB#1 100M	Right Tilt	650000	24.81	25.70	1.227	0.073	0.089
	5G NR n78/135RB#1 100M	Left Cheek	650000	24.81	25.70	1.227	0.243	0.298
	5G NR n78/135RB#1 100M	Left Tilt	650000	24.81	25.70	1.227	0.105	0.128
Reduced Power Level 1 for Ant 6 (HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	650000	20.18	21.20	1.265	0.676	0.855
	5G NR n78/1RB#1 100M	Right Tilt	650000	20.18	21.20	1.265	0.727	0.919
	5G NR n78/1RB#1 100M	Left Cheek	650000	20.18	21.20	1.265	0.846	1.070
	5G NR n78/1RB#1 100M	Left Tilt	650000	20.18	21.20	1.265	0.744	0.940
	5G NR n78/135RB#1 100M	Right Cheek	650000	19.31	20.20	1.227	0.541	0.664
	5G NR n78/135RB#1 100M	Right Tilt	650000	19.31	20.20	1.227	0.582	0.714
	5G NR n78/135RB#1 100M	Left Cheek	650000	19.31	20.20	1.227	0.856	1.051
	5G NR n78/135RB#1 100M	Left Tilt	650000	19.31	20.20	1.227	0.719	0.882
	5G NR n78/270RB#0 100M	Left Cheek	650000	19.05	20.20	1.303	0.703	0.917
Reduced Power Level 3 for Simultaneous Transmission								

(HPUE)								
	5G NR n78/1RB#1 100M	Right Cheek	650000	18.77	18.20	0.877	0.342	0.300
	5G NR n78/1RB#1 100M	Right Tilt	650000	18.77	18.20	0.877	0.368	0.323
	5G NR n78/1RB#1 100M	Left Cheek	650000	18.77	18.20	0.877	0.432	0.379
	5G NR n78/1RB#1 100M	Left Tilt	650000	18.77	18.20	0.877	0.381	0.334
	5G NR n78/135RB#1 100M	Right Cheek	650000	17.08	17.20	1.028	0.257	0.264
	5G NR n78/135RB#1 100M	Right Tilt	650000	17.08	17.20	1.028	0.276	0.284
	5G NR n78/135RB#1 100M	Left Cheek	650000	17.08	17.20	1.028	0.324	0.333
	5G NR n78/135RB#1 100M	Left Tilt	650000	17.08	17.20	1.028	0.286	0.294
Reduced Power Level 1 for Ant 3								
	5G NR n78/1RB#1 100M	Right Cheek	633334	20.34	21.20	1.219	0.184	0.224
	5G NR n78/1RB#1 100M	Right Tilt	633334	20.34	21.20	1.219	0.158	0.192
	5G NR n78/1RB#1 100M	Left Cheek	633334	20.34	21.20	1.219	0.717	0.874
	5G NR n78/1RB#1 100M	Left Tilt	633334	20.34	21.20	1.219	0.373	0.454
	5G NR n78/135RB#1 100M	Right Cheek	633334	19.29	20.20	1.233	0.157	0.193
	5G NR n78/135RB#1 100M	Right Tilt	633334	19.29	20.20	1.233	0.139	0.171
	5G NR n78/135RB#1 100M	Left Cheek	633334	19.29	20.20	1.233	0.602	0.742
	5G NR n78/135RB#1 100M	Left Tilt	633334	19.29	20.20	1.233	0.315	0.388
	5G NR n78/270RB#0 100M	Left Cheek	633334	19.23	20.20	1.250	0.544	0.680
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n78/1RB#1 100M	Right Cheek	633334	18.34	19.20	1.219	0.118	0.144
	5G NR n78/1RB#1 100M	Right Tilt	633334	18.34	19.20	1.219	0.102	0.124
	5G NR n78/1RB#1 100M	Left Cheek	633334	18.34	19.20	1.219	0.455	0.555
	5G NR n78/1RB#1 100M	Left Tilt	633334	18.34	19.20	1.219	0.238	0.290
	5G NR n78/135RB#1 100M	Right Cheek	633334	17.29	18.20	1.233	0.089	0.109
	5G NR n78/135RB#1 100M	Right Tilt	633334	17.29	18.20	1.233	0.077	0.094
	5G NR n78/135RB#1 100M	Left Cheek	633334	17.29	18.20	1.233	0.341	0.421
	5G NR n78/135RB#1 100M	Left Tilt	633334	17.29	18.20	1.233	0.179	0.220
Full Power for Ant 4								
	5G NR n78/1RB#1 100M	Right Cheek	633334	23.34	24.20	1.219	0.466	0.568
	5G NR n78/1RB#1 100M	Right Tilt	633334	23.34	24.20	1.219	0.079	0.097
	5G NR n78/1RB#1 100M	Left Cheek	633334	23.34	24.20	1.219	0.298	0.363
	5G NR n78/1RB#1 100M	Left Tilt	633334	23.34	24.20	1.219	0.054	0.066
	5G NR n78/135RB#1 100M	Right Cheek	633334	22.29	23.20	1.233	0.410	0.505
	5G NR n78/135RB#1 100M	Right Tilt	633334	22.29	23.20	1.233	0.062	0.076
	5G NR n78/135RB#1 100M	Left Cheek	633334	22.29	23.20	1.233	0.232	0.286
	5G NR n78/135RB#1 100M	Left Tilt	633334	22.29	23.20	1.233	0.042	0.052
Full Power for Ant 5								

	5G NR n78/1RB#1 100M	Right Cheek	633334	23.34	24.20	1.219	0.147	0.179
	5G NR n78/1RB#1 100M	Right Tilt	633334	23.34	24.20	1.219	0.121	0.147
	5G NR n78/1RB#1 100M	Left Cheek	633334	23.34	24.20	1.219	0.181	0.221
	5G NR n78/1RB#1 100M	Left Tilt	633334	23.34	24.20	1.219	0.124	0.151
	5G NR n78/135RB#1 100M	Right Cheek	633334	22.29	23.20	1.233	0.126	0.155
	5G NR n78/135RB#1 100M	Right Tilt	633334	22.29	23.20	1.233	0.087	0.107
	5G NR n78/135RB#1 100M	Left Cheek	633334	22.29	23.20	1.233	0.168	0.207
	5G NR n78/135RB#1 100M	Left Tilt	633334	22.29	23.20	1.233	0.110	0.136
Reduced Power Level 1 for Ant 6								
	5G NR n78/1RB#1 100M	Right Cheek	633334	20.34	21.20	1.219	0.274	0.335
	5G NR n78/1RB#1 100M	Right Tilt	633334	20.34	21.20	1.219	0.377	0.459
	5G NR n78/1RB#1 100M	Left Cheek	633334	20.34	21.20	1.219	0.708	0.863
	5G NR n78/1RB#1 100M	Left Tilt	633334	20.34	21.20	1.219	0.620	0.756
	5G NR n78/135RB#1 100M	Right Cheek	633334	19.29	20.20	1.233	0.214	0.264
	5G NR n78/135RB#1 100M	Right Tilt	633334	19.29	20.20	1.233	0.294	0.362
	5G NR n78/135RB#1 100M	Left Cheek	633334	19.29	20.20	1.233	0.552	0.681
	5G NR n78/135RB#1 100M	Left Tilt	633334	19.29	20.20	1.233	0.484	0.597
	5G NR n78/270RB#0 100M	Left Cheek	633334	19.23	20.20	1.250	0.508	0.635
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n78/1RB#1 100M	Right Cheek	633334	18.34	19.20	1.219	0.177	0.216
	5G NR n78/1RB#1 100M	Right Tilt	633334	18.34	19.20	1.219	0.245	0.299
	5G NR n78/1RB#1 100M	Left Cheek	633334	18.34	19.20	1.219	0.456	0.556
	5G NR n78/1RB#1 100M	Left Tilt	633334	18.34	19.20	1.219	0.395	0.482
	5G NR n78/135RB#1 100M	Right Cheek	633334	17.29	18.20	1.233	0.133	0.164
	5G NR n78/135RB#1 100M	Right Tilt	633334	17.29	18.20	1.233	0.184	0.227
	5G NR n78/135RB#1 100M	Left Cheek	633334	17.29	18.20	1.233	0.342	0.422
	5G NR n78/135RB#1 100M	Left Tilt	633334	17.29	18.20	1.233	0.296	0.365
Reduced Power Level 1 for Ant 3								
	5G NR n78/1RB#1 100M	Right Cheek	650000	15.95	16.90	1.245	0.320	0.398
	5G NR n78/1RB#1 100M	Right Tilt	650000	15.95	16.90	1.245	0.277	0.345
	5G NR n78/1RB#1 100M	Left Cheek	650000	15.95	16.90	1.245	0.890	1.108
	5G NR n78/1RB#1 100M	Left Tilt	650000	15.95	16.90	1.245	0.230	0.286
	5G NR n78/135RB#1 100M	Right Cheek	650000	14.94	15.90	1.247	0.262	0.327
	5G NR n78/135RB#1 100M	Right Tilt	650000	14.94	15.90	1.247	0.222	0.276
	5G NR n78/135RB#1 100M	Left Cheek	650000	14.94	15.90	1.247	0.735	0.917
	5G NR n78/135RB#1 100M	Left Tilt	650000	14.94	15.90	1.247	0.189	0.236
	5G NR n78/270RB#0 100M	Left Cheek	650000	14.77	15.90	1.297	0.689	0.894
Reduced Power Level 3 for Simultaneous Transmission								

	5G NR n78/1RB#1 100M	Right Cheek	650000	12.95	13.90	1.245	0.162	0.202
	5G NR n78/1RB#1 100M	Right Tilt	650000	12.95	13.90	1.245	0.143	0.178
	5G NR n78/1RB#1 100M	Left Cheek	650000	12.95	13.90	1.245	0.451	0.561
	5G NR n78/1RB#1 100M	Left Tilt	650000	12.95	13.90	1.245	0.121	0.151
	5G NR n78/135RB#1 100M	Right Cheek	650000	11.94	12.90	1.247	0.122	0.152
	5G NR n78/135RB#1 100M	Right Tilt	650000	11.94	12.90	1.247	0.107	0.134
	5G NR n78/135RB#1 100M	Left Cheek	650000	11.94	12.90	1.247	0.338	0.422
	5G NR n78/135RB#1 100M	Left Tilt	650000	11.94	12.90	1.247	0.091	0.113
Full Power for Ant 4								
	5G NR n78/1RB#1 100M	Right Cheek	650000	23.25	24.20	1.245	0.370	0.460
	5G NR n78/1RB#1 100M	Right Tilt	650000	23.25	24.20	1.245	0.086	0.107
	5G NR n78/1RB#1 100M	Left Cheek	650000	23.25	24.20	1.245	0.197	0.245
	5G NR n78/1RB#1 100M	Left Tilt	650000	23.25	24.20	1.245	0.056	0.070
	5G NR n78/135RB#1 100M	Right Cheek	650000	22.24	23.20	1.247	0.300	0.374
	5G NR n78/135RB#1 100M	Right Tilt	650000	22.24	23.20	1.247	0.070	0.087
	5G NR n78/135RB#1 100M	Left Cheek	650000	22.24	23.20	1.247	0.160	0.199
	5G NR n78/135RB#1 100M	Left Tilt	650000	22.24	23.20	1.247	0.045	0.057
Full Power for Ant 5								
	5G NR n78/1RB#1 100M	Right Cheek	650000	23.25	24.20	1.245	0.247	0.307
	5G NR n78/1RB#1 100M	Right Tilt	650000	23.25	24.20	1.245	0.087	0.108
	5G NR n78/1RB#1 100M	Left Cheek	650000	23.25	24.20	1.245	0.286	0.356
	5G NR n78/1RB#1 100M	Left Tilt	650000	23.25	24.20	1.245	0.118	0.146
	5G NR n78/135RB#1 100M	Right Cheek	650000	22.24	23.20	1.247	0.206	0.257
	5G NR n78/135RB#1 100M	Right Tilt	650000	22.24	23.20	1.247	0.070	0.087
	5G NR n78/135RB#1 100M	Left Cheek	650000	22.24	23.20	1.247	0.233	0.291
	5G NR n78/135RB#1 100M	Left Tilt	650000	22.24	23.20	1.247	0.098	0.122
Reduced Power Level 1 for Ant 6								
	5G NR n78/1RB#1 100M	Right Cheek	650000	19.45	20.40	1.245	0.666	0.829
	5G NR n78/1RB#1 100M	Right Tilt	650000	19.45	20.40	1.245	0.720	0.896
	5G NR n78/1RB#1 100M	Left Cheek	650000	19.45	20.40	1.245	0.843	1.049
	5G NR n78/1RB#1 100M	Left Tilt	650000	19.45	20.40	1.245	0.713	0.887
	5G NR n78/135RB#1 100M	Right Cheek	650000	18.44	19.40	1.247	0.548	0.684
	5G NR n78/135RB#1 100M	Right Tilt	650000	18.44	19.40	1.247	0.562	0.701
	5G NR n78/135RB#1 100M	Left Cheek	650000	18.44	19.40	1.247	0.694	0.866
	5G NR n78/135RB#1 100M	Left Tilt	650000	18.44	19.40	1.247	0.556	0.694
	5G NR n78/270RB#0 100M	Left Cheek	650000	18.27	19.40	1.297	0.684	0.888
Reduced Power Level 3 for Simultaneous Transmission								
	5G NR n78/1RB#1 100M	Right Cheek	650000	16.45	17.40	1.245	0.342	0.426

	5G NR n78/1RB#1 100M	Right Tilt	650000	16.45	17.40	1.245	0.368	0.458
	5G NR n78/1RB#1 100M	Left Cheek	650000	16.45	17.40	1.245	0.431	0.536
	5G NR n78/1RB#1 100M	Left Tilt	650000	16.45	17.40	1.245	0.362	0.451
	5G NR n78/135RB#1 100M	Right Cheek	650000	15.44	16.40	1.247	0.257	0.320
	5G NR n78/135RB#1 100M	Right Tilt	650000	15.44	16.40	1.247	0.276	0.344
	5G NR n78/135RB#1 100M	Left Cheek	650000	15.44	16.40	1.247	0.323	0.403
	5G NR n78/135RB#1 100M	Left Tilt	650000	15.44	16.40	1.247	0.272	0.339

➢ WLAN Head SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Reduced Power Level 1 for Ant 7								
	WLAN2.4GHz/802.11b	Right Cheek	6	15.67	17.50	1.524	0.360	0.549
	WLAN2.4GHz/802.11b	Right Tilt	6	15.67	17.50	1.524	0.259	0.395
	WLAN2.4GHz/802.11b	Left Cheek	6	15.67	17.50	1.524	0.554	0.844
	WLAN2.4GHz/802.11b	Left Tilt	6	15.67	17.50	1.524	0.493	0.751
28#	WLAN2.4GHz/802.11b	Left Cheek	1	15.46	17.00	1.426	0.690	0.984
	WLAN2.4GHz/802.11b	Left Cheek	11	15.63	17.50	1.538	0.583	0.897
Reduced Power Level 3 for Simultaneous Transmission								
	WLAN2.4GHz/802.11b	Right Cheek	6	13.67	15.50	1.524	0.194	0.296
	WLAN2.4GHz/802.11b	Right Tilt	6	13.67	15.50	1.524	0.140	0.213
	WLAN2.4GHz/802.11b	Left Cheek	6	13.67	15.50	1.524	0.299	0.456
	WLAN2.4GHz/802.11b	Left Tilt	6	13.67	15.50	1.524	0.266	0.406
	WLAN2.4GHz/802.11b	Left Cheek	1	13.46	15.00	1.426	0.371	0.529
	WLAN2.4GHz/802.11b	Left Cheek	11	13.63	15.50	1.538	0.315	0.484
Reduced Power Level 1 for Ant 7								
	WLAN5.2GHz/802.11n40	Right Cheek	38	13.19	15.00	1.517	0.312	0.488
	WLAN5.2GHz/802.11n40	Right Tilt	38	13.19	15.00	1.517	0.226	0.354
	WLAN5.2GHz/802.11n40	Left Cheek	38	13.19	15.00	1.517	0.543	0.851
	WLAN5.2GHz/802.11n40	Left Tilt	38	13.19	15.00	1.517	0.511	0.801
29#	WLAN5.2GHz/802.11n40	Left Cheek	46	12.48	14.00	1.419	0.605	0.886
Reduced Power Level 3 for Simultaneous Transmission								
	WLAN5.2GHz/802.11n40	Right Cheek	38	10.19	12.00	1.517	0.205	0.321
	WLAN5.2GHz/802.11n40	Right Tilt	38	10.19	12.00	1.517	0.147	0.230
	WLAN5.2GHz/802.11n40	Left Cheek	38	10.19	12.00	1.517	0.354	0.554
	WLAN5.2GHz/802.11n40	Left Cheek	46	10.19	12.00	1.517	0.395	0.618
	WLAN5.2GHz/802.11n40	Left Tilt	38	9.48	11.00	1.419	0.332	0.486
Reduced Power Level 1 for Ant 7								

	WLAN5.3GHz/802.11 n40	Right Cheek	62	13.39	15.50	1.626	0.517	0.867
	WLAN5.3GHz/802.11 n40	Right Tilt	62	13.39	15.50	1.626	0.315	0.528
	WLAN5.3GHz/802.11 n40	Left Cheek	62	13.39	15.50	1.626	0.612	1.026
	WLAN5.3GHz/802.11 n40	Left Tilt	62	13.39	15.50	1.626	0.558	0.936
30#	WLAN5.3GHz/802.11 n40	Left Cheek	54	12.88	15.00	1.629	0.679	1.142
Reduced Power Level 3 for Simultaneous Transmission								
	WLAN5.3GHz/802.11n40	Right Cheek	62	9.39	11.50	1.626	0.195	0.327
	WLAN5.3GHz/802.11n40	Right Tilt	62	9.39	11.50	1.626	0.119	0.199
	WLAN5.3GHz/802.11n40	Left Cheek	62	9.39	11.50	1.626	0.231	0.387
	WLAN5.3GHz/802.11n40	Left Tilt	62	9.39	11.50	1.626	0.210	0.353
	WLAN5.3GHz/802.11n40	Left Cheek	54	8.88	11.00	1.629	0.256	0.430
Reduced Power Level 1 for Ant 7								
	WLAN5.5GHz/802.11a	Right Cheek	120	14.36	16.00	1.459	0.193	0.287
	WLAN5.5GHz/802.11a	Right Tilt	120	14.36	16.00	1.459	0.210	0.311
	WLAN5.5GHz/802.11a	Left Cheek	120	14.36	16.00	1.459	0.701	1.038
	WLAN5.5GHz/802.11a	Left Tilt	120	14.36	16.00	1.459	0.480	0.710
31#	WLAN5.5GHz/802.11a	Left Cheek	100	14.27	16.00	1.489	0.726	1.097
	WLAN5.5GHz/802.11a	Left Cheek	144	13.02	15.00	1.578	0.605	0.969
Reduced Power Level 3 for Simultaneous Transmission								
	WLAN5.5GHz/802.11a	Right Cheek	120	10.86	12.50	1.459	0.083	0.123
	WLAN5.5GHz/802.11a	Right Tilt	120	10.86	12.50	1.459	0.090	0.134
	WLAN5.5GHz/802.11a	Left Cheek	120	10.86	12.50	1.459	0.301	0.446
	WLAN5.5GHz/802.11a	Left Tilt	120	10.86	12.50	1.459	0.206	0.306
	WLAN5.5GHz/802.11a	Left Cheek	100	10.77	12.50	1.489	0.308	0.466
	WLAN5.5GHz/802.11a	Left Cheek	144	9.52	11.50	1.578	0.260	0.417
Reduced Power Level 1 for Ant 7								
	WLAN5.8GHz/802.11n40	Right Cheek	159	16.33	18.00	1.469	0.091	0.138
	WLAN5.8GHz/802.11n40	Right Tilt	159	16.33	18.00	1.469	0.121	0.183
	WLAN5.8GHz/802.11n40	Left Cheek	159	16.33	18.00	1.469	0.533	0.808
	WLAN5.8GHz/802.11n40	Left Tilt	159	16.33	18.00	1.469	0.260	0.394
32#	WLAN5.8GHz/802.11n40	Left Cheek	151	15.85	17.50	1.462	0.662	0.999
Reduced Power Level 3 for Simultaneous Transmission								
	WLAN5.8GHz/802.11n40	Right Cheek	159	13.33	15.00	1.469	0.046	0.069
	WLAN5.8GHz/802.11n40	Right Tilt	159	13.33	15.00	1.469	0.061	0.092
	WLAN5.8GHz/802.11n40	Left Cheek	159	13.33	15.00	1.469	0.267	0.404
	WLAN5.8GHz/802.11n40	Left Tilt	159	13.33	15.00	1.469	0.130	0.197
	WLAN5.8GHz/802.11n40	Left Cheek	151	12.85	14.50	1.462	0.330	0.498
	WLAN5.8GHz/802.11n40	Right Cheek	159	13.33	15.00	1.469	0.046	0.069

Full Power for Ant 7								
	Bluetooth/DH5	Right Cheek	39	11.96	15.00	2.014	0.093	0.187
	Bluetooth/DH5	Right Tilt	39	11.96	15.00	2.014	0.062	0.125
33#	Bluetooth/DH5	Left Cheek	39	11.96	15.00	2.014	0.309	0.622
	Bluetooth/DH5	Left Tilt	39	11.96	15.00	2.014	0.222	0.447
	Bluetooth/DH5	Left Cheek	0	11.91	15.00	2.037	0.248	0.505
	Bluetooth/DH5	Left Cheek	78	11.33	15.00	2.328	0.246	0.573
Reduced Power Level 3 for Simultaneous Transmission								
	Bluetooth/DH5	Right Cheek	39	7.96	11.00	2.014	0.037	0.075
	Bluetooth/DH5	Right Tilt	39	7.96	11.00	2.014	0.025	0.050
	Bluetooth/DH5	Left Cheek	39	7.96	11.00	2.014	0.122	0.246
	Bluetooth/DH5	Left Tilt	39	7.96	11.00	2.014	0.089	0.179
	Bluetooth/DH5	Left Cheek	0	7.91	11.00	2.037	0.099	0.202
	Bluetooth/DH5	Left Cheek	78	7.33	11.00	2.328	0.098	0.229

Note:

1. Per KDB 447498 D01v06, for each exposure position, if the highest output power channel Reported SAR ≤ 0.8W/kg, other channels SAR testing is not necessary.
2. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8W/kg.
3. Per KDB 941225 D05v02r05, 100% RB allocation SAR measurement is not required when the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg.
4. Per KDB 248227 D01v02r02, for 802.11b DSSS , when the reported SAR of the highest measured maximum output power channel for the exposure configuration is ⩽ 0.8 W/kg, no further SAR testing is required in that exposure configuration.
5. Per KDB 248227 D01v02r02, OFDM SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ⩽ 1.2 W/kg.
6. According to KDB 865664 D02v01r02, SAR plot is required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
7. For TDD-LTE, the reported SAR should be scaled with the duty cycle scaling factor 1.006.
8. The 2.4G WLAN reported 1g SAR (W/kg) should be scaled with the duty cycle scaling factor 1.000 , 5GHz WLAN 802.11n40 with 1.032, 5GHz WLAN 802.11a with 1.015 and Bluetooth with 1.000.

20.3. Body SAR Data

➢ **GSM Body SAR**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Sensor off/Full Power for Ant 1								
	GPRS 850(4 TX slots)	Front Side	189	27.75	28.50	1.189	0.255	0.303
	GPRS 850(4 TX slots)	Back Side	189	27.75	28.50	1.189	0.352	0.418
	GPRS 850(4 TX slots)	Left Side	189	27.75	28.50	1.189	0.152	0.181
	GPRS 850(4 TX slots)	Top Side	189	27.75	28.50	1.189	0.258	0.307
34#	GPRS 850(4 TX slots)	Back Side	128	27.65	28.50	1.216	0.369	0.449
	GPRS 850(4 TX slots)	Back Side	251	27.59	28.50	1.233	0.344	0.424
Full Power for Ant 0								
	GPRS 850(4 TX slots)	Front Side	189	27.75	28.50	1.189	0.143	0.170
	GPRS 850(4 TX slots)	Back Side	189	27.75	28.50	1.189	0.221	0.263
	GPRS 850(4 TX slots)	Left Side	189	27.75	28.50	1.189	0.159	0.189
	GPRS 850(4 TX slots)	Right Side	189	27.75	28.50	1.189	0.078	0.092
	GPRS 850(4 TX slots)	Bottom Side	189	27.75	28.50	1.189	0.181	0.215
	GPRS 850(4 TX slots)	Bottom Side	128	27.65	28.50	1.216	0.213	0.259
	GPRS 850(4 TX slots)	Bottom Side	251	27.59	28.50	1.233	0.226	0.279
Sensor on/Reduced Power Level 2 for Ant 1								
	GPRS 1900(4 TX slots)	Front Side	661	14.73	15.50	1.194	0.360	0.430
35#	GPRS 1900(4 TX slots)	Back Side	661	14.73	15.50	1.194	0.451	0.538
	GPRS 1900(4 TX slots)	Left Side	661	14.73	15.50	1.194	0.100	0.119
	GPRS 1900(4 TX slots)	Top Side	661	14.73	15.50	1.194	0.611	0.730
	GPRS 1900(4 TX slots)	Top Side	512	14.56	15.50	1.242	0.414	0.514
36#	GPRS 1900(4 TX slots)	Top Side	810	14.66	15.50	1.213	0.845	1.025
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	GPRS 1900(4 TX slots)	Front Side	661	11.23	12.00	1.194	0.162	0.193
	GPRS 1900(4 TX slots)	Back Side	661	11.23	12.00	1.194	0.205	0.245
	GPRS 1900(4 TX slots)	Left Side	661	11.23	12.00	1.194	0.048	0.057
	GPRS 1900(4 TX slots)	Top Side	661	11.23	12.00	1.194	0.278	0.332
	GPRS 1900(4 TX slots)	Top Side	512	11.06	12.00	1.242	0.188	0.233
	GPRS 1900(4 TX slots)	Top Side	810	11.16	12.00	1.213	0.379	0.460
Full Power for Ant 0								
	GPRS 1900(4 TX slots)	Front Side	661	24.73	25.50	1.194	0.176	0.210
	GPRS 1900(4 TX slots)	Back Side	661	24.73	25.50	1.194	0.332	0.396
	GPRS 1900(4 TX slots)	Left Side	661	24.73	25.50	1.194	0.056	0.066

	GPRS 1900(4 TX slots)	Right Side	661	24.73	25.50	1.194	0.094	0.112
	GPRS 1900(4 TX slots)	Bottom Side	661	24.73	25.50	1.194	0.551	0.658
	GPRS 1900(4 TX slots)	Bottom Side	512	24.56	25.50	1.242	0.639	0.793
	GPRS 1900(4 TX slots)	Bottom Side	810	24.66	25.50	1.213	0.648	0.786

➢ WCDMA Body SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Sensor on/Reduced Power Level 2 for Ant 1								
	Band II/RMC 12.2Kbps	Front Side	9400	19.42	20.30	1.225	0.387	0.474
37#	Band II/RMC 12.2Kbps	Back Side	9400	19.42	20.30	1.225	0.452	0.554
	Band II/RMC 12.2Kbps	Left Side	9400	19.42	20.30	1.225	0.096	0.117
	Band II/RMC 12.2Kbps	Top Side	9400	19.42	20.30	1.225	0.809	0.991
	Band II/RMC 12.2Kbps	Top Side	9262	19.39	20.30	1.233	0.657	0.810
38#	Band II/RMC 12.2Kbps	Top Side	9538	19.36	20.30	1.242	0.858	1.065
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	Band II/RMC 12.2Kbps	Front Side	9400	16.42	17.30	1.225	0.195	0.239
	Band II/RMC 12.2Kbps	Back Side	9400	16.42	17.30	1.225	0.232	0.284
	Band II/RMC 12.2Kbps	Left Side	9400	16.42	17.30	1.225	0.052	0.064
	Band II/RMC 12.2Kbps	Top Side	9400	16.42	17.30	1.225	0.408	0.500
	Band II/RMC 12.2Kbps	Top Side	9262	16.39	17.30	1.233	0.332	0.409
	Band II/RMC 12.2Kbps	Top Side	9538	16.36	17.30	1.242	0.432	0.536
Reduced Power Level 2 for Ant 0								
	Band II/RMC 12.2Kbps	Front Side	9400	20.42	21.30	1.225	0.220	0.269
	Band II/RMC 12.2Kbps	Back Side	9400	20.42	21.30	1.225	0.438	0.536
	Band II/RMC 12.2Kbps	Left Side	9400	20.42	21.30	1.225	0.074	0.090
	Band II/RMC 12.2Kbps	Right Side	9400	20.42	21.30	1.225	0.106	0.130
	Band II/RMC 12.2Kbps	Bottom Side	9400	20.42	21.30	1.225	0.738	0.904
	Band II/RMC 12.2Kbps	Bottom Side	9262	20.39	21.30	1.233	0.716	0.883
	Band II/RMC 12.2Kbps	Bottom Side	9538	20.36	21.30	1.242	0.697	0.865
Reduced Power Level 4 for Simultaneous Transmission								
	Band II/RMC 12.2Kbps	Front Side	9400	16.92	17.80	1.225	0.102	0.125
	Band II/RMC 12.2Kbps	Back Side	9400	16.92	17.80	1.225	0.203	0.249
	Band II/RMC 12.2Kbps	Left Side	9400	16.92	17.80	1.225	0.035	0.043
	Band II/RMC 12.2Kbps	Right Side	9400	16.92	17.80	1.225	0.049	0.060
	Band II/RMC 12.2Kbps	Bottom Side	9400	16.92	17.80	1.225	0.333	0.408
	Band II/RMC 12.2Kbps	Bottom Side	9262	16.89	17.80	1.233	0.325	0.401
	Band II/RMC 12.2Kbps	Bottom Side	9538	16.86	17.80	1.242	0.314	0.390

Sensor on/Reduced Power Level 2 for Ant 1								
	Band IV/RMC 12.2Kbps	Front Side	1413	20.61	21.30	1.172	0.669	0.784
39#	Band IV/RMC 12.2Kbps	Back Side	1413	20.61	21.30	1.172	0.686	0.804
	Band IV/RMC 12.2Kbps	Left Side	1413	20.61	21.30	1.172	0.192	0.225
	Band IV/RMC 12.2Kbps	Top Side	1413	20.61	21.30	1.172	0.957	1.122
	Band IV/RMC 12.2Kbps	Back Side	1312	20.53	21.30	1.194	0.671	0.801
	Band IV/RMC 12.2Kbps	Back Side	1513	20.56	21.30	1.186	0.660	0.783
40#	Band IV/RMC 12.2Kbps	Top Side	1312	20.53	21.30	1.194	0.951	1.135
	Band IV/RMC 12.2Kbps	Top Side	1513	20.56	21.30	1.186	0.951	1.128
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	Band IV/RMC 12.2Kbps	Front Side	1413	16.11	16.80	1.172	0.241	0.283
	Band IV/RMC 12.2Kbps	Back Side	1413	16.11	16.80	1.172	0.248	0.290
	Band IV/RMC 12.2Kbps	Left Side	1413	16.11	16.80	1.172	0.070	0.082
	Band IV/RMC 12.2Kbps	Top Side	1413	16.11	16.80	1.172	0.345	0.404
	Band IV/RMC 12.2Kbps	Back Side	1312	16.03	16.80	1.194	0.242	0.289
	Band IV/RMC 12.2Kbps	Back Side	1513	16.06	16.80	1.186	0.237	0.281
	Band IV/RMC 12.2Kbps	Top Side	1312	16.03	16.80	1.194	0.347	0.414
	Band IV/RMC 12.2Kbps	Top Side	1513	16.06	16.80	1.186	0.346	0.410
Reduced Power Level 2 for Ant 0								
	Band IV/RMC 12.2Kbps	Front Side	1413	20.61	21.30	1.172	0.289	0.339
	Band IV/RMC 12.2Kbps	Back Side	1413	20.61	21.30	1.172	0.503	0.590
	Band IV/RMC 12.2Kbps	Left Side	1413	20.61	21.30	1.172	0.087	0.102
	Band IV/RMC 12.2Kbps	Right Side	1413	20.61	21.30	1.172	0.144	0.169
	Band IV/RMC 12.2Kbps	Bottom Side	1413	20.61	21.30	1.172	0.724	0.849
	Band IV/RMC 12.2Kbps	Bottom Side	1312	20.53	21.30	1.194	0.651	0.777
	Band IV/RMC 12.2Kbps	Bottom Side	1513	20.56	21.30	1.186	0.779	0.924
Reduced Power Level 4 for Simultaneous Transmission								
	Band IV/RMC 12.2Kbps	Front Side	1413	17.11	17.80	1.172	0.164	0.192
	Band IV/RMC 12.2Kbps	Back Side	1413	17.11	17.80	1.172	0.284	0.333
	Band IV/RMC 12.2Kbps	Left Side	1413	17.11	17.80	1.172	0.052	0.061
	Band IV/RMC 12.2Kbps	Right Side	1413	17.11	17.80	1.172	0.084	0.098
	Band IV/RMC 12.2Kbps	Bottom Side	1413	17.11	17.80	1.172	0.412	0.483
	Band IV/RMC 12.2Kbps	Bottom Side	1312	17.03	17.80	1.194	0.368	0.439
	Band IV/RMC 12.2Kbps	Bottom Side	1513	17.06	17.80	1.186	0.442	0.524
Sensor off/Full Power for Ant 1								
	Band V/RMC 12.2Kbps	Front Side	4182	24.17	24.80	1.156	0.253	0.292
	Band V/RMC 12.2Kbps	Back Side	4182	24.17	24.80	1.156	0.359	0.415
	Band V/RMC 12.2Kbps	Left Side	4182	24.17	24.80	1.156	0.146	0.169

	Band V/RMC 12.2Kbps	Top Side	4182	24.17	24.80	1.156	0.275	0.318
41#	Band V/RMC 12.2Kbps	Back Side	4132	24.11	24.80	1.172	0.363	0.426
	Band V/RMC 12.2Kbps	Back Side	4233	24.06	24.80	1.186	0.346	0.410
Full Power for Ant 0								
	Band V/RMC 12.2Kbps	Front Side	4182	24.17	24.80	1.156	0.163	0.188
	Band V/RMC 12.2Kbps	Back Side	4182	24.17	24.80	1.156	0.252	0.291
	Band V/RMC 12.2Kbps	Left Side	4182	24.17	24.80	1.156	0.136	0.157
	Band V/RMC 12.2Kbps	Right Side	4182	24.17	24.80	1.156	0.054	0.062
	Band V/RMC 12.2Kbps	Bottom Side	4182	24.17	24.80	1.156	0.229	0.265
	Band V/RMC 12.2Kbps	Back Side	4132	24.11	24.80	1.172	0.235	0.275
	Band V/RMC 12.2Kbps	Back Side	4233	24.06	24.80	1.186	0.267	0.317

➢ LTE QPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Sensor on/Reduced Power Level 2 for Ant 1								
	LTE Band 4/1RB#0 20M	Front Side	20175	20.38	21.10	1.180	0.589	0.695
42#	LTE Band 4/1RB#0 20M	Back Side	20175	20.38	21.10	1.180	0.594	0.701
	LTE Band 4/1RB#0 20M	Left Side	20175	20.38	21.10	1.180	0.167	0.197
43#	LTE Band 4/1RB#0 20M	Top Side	20175	20.38	21.10	1.180	0.896	1.058
	LTE Band 4/1RB#0 20M	Top Side	20050	20.33	21.10	1.194	0.829	0.990
	LTE Band 4/1RB#0 20M	Top Side	20300	20.32	21.10	1.197	0.849	1.016
	LTE Band 4/50RB#0 20M	Front Side	20175	19.44	20.10	1.164	0.436	0.507
	LTE Band 4/50RB#0 20M	Back Side	20175	19.44	20.10	1.164	0.440	0.512
	LTE Band 4/50RB#0 20M	Left Side	20175	19.44	20.10	1.164	0.124	0.144
	LTE Band 4/50RB#0 20M	Top Side	20175	19.44	20.10	1.164	0.663	0.772
	LTE Band 4/50RB#0 20M	Top Side	20050	19.40	20.10	1.175	0.613	0.721
	LTE Band 4/50RB#0 20M	Top Side	20300	19.37	20.10	1.183	0.628	0.743
	LTE Band 4/100RB#0 20M	Top Side	20175	20.38	21.10	1.180	0.636	0.751
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 4/1RB#0 20M	Front Side	20175	15.88	16.60	1.180	0.211	0.249
	LTE Band 4/1RB#0 20M	Back Side	20175	15.88	16.60	1.180	0.215	0.254
	LTE Band 4/1RB#0 20M	Left Side	20175	15.88	16.60	1.180	0.059	0.070
	LTE Band 4/1RB#0 20M	Top Side	20175	15.88	16.60	1.180	0.321	0.379
	LTE Band 4/1RB#0 20M	Top Side	20050	15.83	16.60	1.194	0.296	0.353
	LTE Band 4/1RB#0 20M	Top Side	20300	15.82	16.60	1.197	0.305	0.365
	LTE Band 4/50RB#0 20M	Front Side	20175	14.94	15.60	1.164	0.158	0.184
	LTE Band 4/50RB#0 20M	Back Side	20175	14.94	15.60	1.164	0.161	0.188

	LTE Band 4/50RB#0 20M	Left Side	20175	14.94	15.60	1.164	0.044	0.052
	LTE Band 4/50RB#0 20M	Top Side	20175	14.94	15.60	1.164	0.241	0.280
	LTE Band 4/50RB#0 20M	Top Side	20050	14.90	15.60	1.175	0.222	0.261
	LTE Band 4/50RB#0 20M	Top Side	20300	14.87	15.60	1.183	0.229	0.271
Sensor off/Full Power for Ant 4								
	LTE Band 4/1RB#0 20M	Front Side	20175	23.88	24.60	1.180	0.060	0.071
	LTE Band 4/1RB#0 20M	Back Side	20175	23.88	24.60	1.180	0.566	0.668
	LTE Band 4/1RB#0 20M	Left Side	20175	23.88	24.60	1.180	0.414	0.489
	LTE Band 4/1RB#0 20M	Top Side	20175	23.88	24.60	1.180	0.025	0.030
	LTE Band 4/1RB#0 20M	Back Side	20050	23.83	24.60	1.194	0.430	0.513
	LTE Band 4/1RB#0 20M	Back Side	20300	23.82	24.60	1.197	0.419	0.501
	LTE Band 4/50RB#0 20M	Front Side	20175	22.94	23.60	1.164	0.045	0.052
	LTE Band 4/50RB#0 20M	Back Side	20175	22.94	23.60	1.164	0.425	0.494
	LTE Band 4/50RB#0 20M	Left Side	20175	22.94	23.60	1.164	0.311	0.361
	LTE Band 4/50RB#0 20M	Top Side	20175	22.94	23.60	1.164	0.019	0.022
	LTE Band 4/50RB#0 20M	Back Side	20050	22.90	23.60	1.175	0.323	0.379
	LTE Band 4/50RB#0 20M	Back Side	20300	22.87	23.60	1.183	0.314	0.372
Reduced Power Level 2 for Ant 0								
	LTE Band 4/1RB#0 20M	Front Side	20175	20.38	21.10	1.180	0.291	0.343
	LTE Band 4/1RB#0 20M	Back Side	20175	20.38	21.10	1.180	0.464	0.548
	LTE Band 4/1RB#0 20M	Left Side	20175	20.38	21.10	1.180	0.069	0.081
	LTE Band 4/1RB#0 20M	Right Side	20175	20.38	21.10	1.180	0.127	0.150
	LTE Band 4/1RB#0 20M	Bottom Side	20175	20.38	21.10	1.180	0.758	0.895
	LTE Band 4/1RB#0 20M	Bottom Side	20050	20.33	21.10	1.194	0.721	0.861
	LTE Band 4/1RB#0 20M	Bottom Side	20300	20.32	21.10	1.197	0.826	0.989
	LTE Band 4/50RB#0 20M	Front Side	20175	19.44	20.10	1.164	0.221	0.257
	LTE Band 4/50RB#0 20M	Back Side	20175	19.44	20.10	1.164	0.353	0.411
	LTE Band 4/50RB#0 20M	Left Side	20175	19.44	20.10	1.164	0.052	0.061
	LTE Band 4/50RB#0 20M	Right Side	20175	19.44	20.10	1.164	0.097	0.112
	LTE Band 4/50RB#0 20M	Bottom Side	20175	19.44	20.10	1.164	0.576	0.671
	LTE Band 4/50RB#0 20M	Bottom Side	20050	19.40	20.10	1.175	0.548	0.644
	LTE Band 4/50RB#0 20M	Bottom Side	20300	19.37	20.10	1.183	0.628	0.743
	LTE Band 4/100RB#0 20M	Bottom Side	20175	19.36	20.10	1.186	0.566	0.671
Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 4/1RB#0 20M	Front Side	20175	16.38	17.10	1.180	0.120	0.141
	LTE Band 4/1RB#0 20M	Back Side	20175	16.38	17.10	1.180	0.194	0.228
	LTE Band 4/1RB#0 20M	Left Side	20175	16.38	17.10	1.180	0.030	0.035
	LTE Band 4/1RB#0 20M	Right Side	20175	16.38	17.10	1.180	0.053	0.063

	LTE Band 4/1RB#0 20M	Bottom Side	20175	16.38	17.10	1.180	0.311	0.366
	LTE Band 4/1RB#0 20M	Bottom Side	20050	16.33	17.10	1.194	0.293	0.349
	LTE Band 4/1RB#0 20M	Bottom Side	20300	16.32	17.10	1.197	0.339	0.406
	LTE Band 4/50RB#0 20M	Front Side	20175	15.44	16.10	1.164	0.090	0.105
	LTE Band 4/50RB#0 20M	Back Side	20175	15.44	16.10	1.164	0.145	0.169
	LTE Band 4/50RB#0 20M	Left Side	20175	15.44	16.10	1.164	0.022	0.026
	LTE Band 4/50RB#0 20M	Right Side	20175	15.44	16.10	1.164	0.040	0.046
	LTE Band 4/50RB#0 20M	Bottom Side	20175	15.44	16.10	1.164	0.233	0.271
	LTE Band 4/50RB#0 20M	Bottom Side	20050	15.40	16.10	1.175	0.219	0.258
	LTE Band 4/50RB#0 20M	Bottom Side	20300	15.37	16.10	1.183	0.254	0.301
Sensor off/Full Power for Ant 1								
	LTE Band 5/1RB#0 10M	Front Side	20525	24.16	24.80	1.159	0.276	0.320
	LTE Band 5/1RB#0 10M	Back Side	20525	24.16	24.80	1.159	0.382	0.443
	LTE Band 5/1RB#0 10M	Left Side	20525	24.16	24.80	1.159	0.189	0.219
	LTE Band 5/1RB#0 10M	Top Side	20525	24.16	24.80	1.159	0.104	0.121
	LTE Band 5/1RB#0 10M	Back Side	20450	24.13	24.80	1.167	0.386	0.450
44#	LTE Band 5/1RB#0 10M	Back Side	20600	24.12	24.80	1.169	0.387	0.453
	LTE Band 5/25RB#0 10M	Front Side	20525	23.14	23.80	1.164	0.204	0.238
	LTE Band 5/25RB#0 10M	Back Side	20525	23.14	23.80	1.164	0.283	0.329
	LTE Band 5/25RB#0 10M	Left Side	20525	23.14	23.80	1.164	0.140	0.163
	LTE Band 5/25RB#0 10M	Top Side	20525	23.14	23.80	1.164	0.077	0.090
	LTE Band 5/25RB#0 10M	Back Side	20450	23.11	23.80	1.172	0.286	0.335
	LTE Band 5/25RB#0 10M	Back Side	20600	23.08	23.80	1.180	0.286	0.338
Full Power for Ant 0								
	LTE Band 5/1RB#0 10M	Front Side	20525	24.16	24.80	1.159	0.154	0.178
	LTE Band 5/1RB#0 10M	Back Side	20525	24.16	24.80	1.159	0.242	0.280
	LTE Band 5/1RB#0 10M	Left Side	20525	24.16	24.80	1.159	0.208	0.241
	LTE Band 5/1RB#0 10M	Right Side	20525	24.16	24.80	1.159	0.100	0.116
	LTE Band 5/1RB#0 10M	Bottom Side	20525	24.16	24.80	1.159	0.239	0.277
	LTE Band 5/1RB#0 10M	Back Side	20450	24.13	24.80	1.167	0.238	0.278
	LTE Band 5/1RB#0 10M	Back Side	20600	24.12	24.80	1.169	0.245	0.287
	LTE Band 5/25RB#0 10M	Front Side	20525	23.14	23.80	1.164	0.120	0.140
	LTE Band 5/25RB#0 10M	Back Side	20525	23.14	23.80	1.164	0.189	0.220
	LTE Band 5/25RB#0 10M	Left Side	20525	23.14	23.80	1.164	0.162	0.189
	LTE Band 5/25RB#0 10M	Right Side	20525	23.14	23.80	1.164	0.078	0.091
	LTE Band 5/25RB#0 10M	Bottom Side	20525	23.14	23.80	1.164	0.186	0.217
	LTE Band 5/25RB#0 10M	Back Side	20450	23.11	23.80	1.172	0.186	0.218
	LTE Band 5/25RB#0 10M	Back Side	20600	23.08	23.80	1.180	0.191	0.226

Sensor on/Reduced Power Level 2 for Ant 1								
	LTE Band 7/1RB#0 20M	Front Side	21100	21.05	21.80	1.189	0.294	0.349
	LTE Band 7/1RB#0 20M	Back Side	21100	21.05	21.80	1.189	0.515	0.612
	LTE Band 7/1RB#0 20M	Left Side	21100	21.05	21.80	1.189	0.498	0.592
	LTE Band 7/1RB#0 20M	Top Side	21100	21.05	21.80	1.189	0.668	0.794
45#	LTE Band 7/1RB#0 20M	Top Side	20850	20.98	21.80	1.208	0.711	0.859
	LTE Band 7/1RB#0 20M	Top Side	21350	20.95	21.80	1.216	0.574	0.698
	LTE Band 7/50RB#0 20M	Front Side	21100	20.13	20.80	1.167	0.221	0.257
	LTE Band 7/50RB#0 20M	Back Side	21100	20.13	20.80	1.167	0.386	0.451
	LTE Band 7/50RB#0 20M	Left Side	21100	20.13	20.80	1.167	0.374	0.436
	LTE Band 7/50RB#0 20M	Top Side	21100	20.13	20.80	1.167	0.501	0.585
	LTE Band 7/50RB#0 20M	Top Side	20850	20.08	20.80	1.180	0.533	0.629
	LTE Band 7/50RB#0 20M	Top Side	21350	20.06	20.80	1.186	0.431	0.510
	LTE Band 7/100RB#0 20M	Top Side	21100	21.05	21.80	1.189	0.491	0.583
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 7/1RB#0 20M	Front Side	21100	17.55	18.30	1.189	0.133	0.158
	LTE Band 7/1RB#0 20M	Back Side	21100	17.55	18.30	1.189	0.232	0.276
	LTE Band 7/1RB#0 20M	Left Side	21100	17.55	18.30	1.189	0.225	0.267
	LTE Band 7/1RB#0 20M	Top Side	21100	17.55	18.30	1.189	0.302	0.359
	LTE Band 7/1RB#0 20M	Top Side	20850	17.48	18.30	1.208	0.322	0.389
	LTE Band 7/1RB#0 20M	Top Side	21350	17.45	18.30	1.216	0.258	0.314
	LTE Band 7/50RB#0 20M	Front Side	21100	16.63	17.30	1.167	0.100	0.116
	LTE Band 7/50RB#0 20M	Back Side	21100	16.63	17.30	1.167	0.174	0.203
	LTE Band 7/50RB#0 20M	Left Side	21100	16.63	17.30	1.167	0.169	0.197
	LTE Band 7/50RB#0 20M	Top Side	21100	16.63	17.30	1.167	0.227	0.264
	LTE Band 7/50RB#0 20M	Top Side	20850	16.58	17.30	1.180	0.242	0.285
	LTE Band 7/50RB#0 20M	Top Side	21350	16.56	17.30	1.186	0.194	0.229
Full Power for Ant 0								
	LTE Band 7/1RB#0 20M	Front Side	21100	22.55	23.30	1.189	0.418	0.497
	LTE Band 7/1RB#0 20M	Back Side	21100	22.55	23.30	1.189	0.523	0.622
	LTE Band 7/1RB#0 20M	Left Side	21100	22.55	23.30	1.189	0.037	0.044
	LTE Band 7/1RB#0 20M	Right Side	21100	22.55	23.30	1.189	0.221	0.263
	LTE Band 7/1RB#0 20M	Bottom Side	21100	22.55	23.30	1.189	0.262	0.311
	LTE Band 7/1RB#0 20M	Back Side	20850	22.48	23.30	1.208	0.510	0.616
46#	LTE Band 7/1RB#0 20M	Back Side	21350	22.45	23.30	1.216	0.544	0.662
	LTE Band 7/50RB#0 20M	Front Side	21100	21.63	22.30	1.167	0.322	0.376
	LTE Band 7/50RB#0 20M	Back Side	21100	21.63	22.30	1.167	0.403	0.470
	LTE Band 7/50RB#0 20M	Left Side	21100	21.63	22.30	1.167	0.160	0.187

	LTE Band 7/50RB#0 20M	Right Side	21100	21.63	22.30	1.167	0.080	0.093
	LTE Band 7/50RB#0 20M	Bottom Side	21100	21.63	22.30	1.167	0.202	0.235
	LTE Band 7/1RB#0 20M	Back Side	20850	21.58	22.30	1.180	0.393	0.464
	LTE Band 7/1RB#0 20M	Back Side	21350	21.56	22.30	1.186	0.419	0.497
Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 7/1RB#0 20M	Front Side	21100	19.05	19.80	1.189	0.188	0.223
	LTE Band 7/1RB#0 20M	Back Side	21100	19.05	19.80	1.189	0.236	0.280
	LTE Band 7/1RB#0 20M	Left Side	21100	19.05	19.80	1.189	0.019	0.023
	LTE Band 7/1RB#0 20M	Right Side	21100	19.05	19.80	1.189	0.102	0.121
	LTE Band 7/1RB#0 20M	Bottom Side	21100	19.05	19.80	1.189	0.123	0.146
	LTE Band 7/1RB#0 20M	Back Side	20850	18.98	19.80	1.208	0.234	0.283
	LTE Band 7/1RB#0 20M	Back Side	21350	18.95	19.80	1.216	0.248	0.302
	LTE Band 7/50RB#0 20M	Front Side	21100	18.13	18.80	1.167	0.143	0.167
	LTE Band 7/50RB#0 20M	Back Side	21100	18.13	18.80	1.167	0.179	0.209
	LTE Band 7/50RB#0 20M	Left Side	21100	18.13	18.80	1.167	0.014	0.017
	LTE Band 7/50RB#0 20M	Right Side	21100	18.13	18.80	1.167	0.078	0.090
	LTE Band 7/50RB#0 20M	Bottom Side	21100	18.13	18.80	1.167	0.093	0.109
	LTE Band 7/1RB#0 20M	Back Side	20850	18.08	18.80	1.180	0.178	0.210
	LTE Band 7/1RB#0 20M	Back Side	21350	18.06	18.80	1.186	0.188	0.223
Sensor off/Full Power for Ant 1								
	LTE Band 12/1RB#0 10M	Front Side	23095	24.17	24.80	1.156	0.096	0.111
	LTE Band 12/1RB#0 10M	Back Side	23095	24.17	24.80	1.156	0.145	0.168
	LTE Band 12/1RB#0 10M	Left Side	23095	24.17	24.80	1.156	0.204	0.236
	LTE Band 12/1RB#0 10M	Top Side	23095	24.17	24.80	1.156	0.146	0.169
	LTE Band 12/1RB#0 10M	Left Side	23060	24.13	24.80	1.167	0.287	0.335
	LTE Band 12/1RB#0 10M	Left Side	23130	24.15	24.80	1.161	0.263	0.305
	LTE Band 12/25RB#0 10M	Front Side	23095	23.28	23.80	1.127	0.072	0.081
	LTE Band 12/25RB#0 10M	Back Side	23095	23.28	23.80	1.127	0.109	0.123
	LTE Band 12/25RB#0 10M	Left Side	23095	23.28	23.80	1.127	0.153	0.172
	LTE Band 12/25RB#0 10M	Top Side	23095	23.28	23.80	1.127	0.110	0.123
	LTE Band 12/25RB#0 10M	Left Side	23060	23.24	23.80	1.138	0.215	0.245
	LTE Band 12/25RB#0 10M	Left Side	23130	23.25	23.80	1.135	0.197	0.224
Full Power for Ant 0								
	LTE Band 12/1RB#0 10M	Front Side	23095	24.17	24.80	1.156	0.183	0.212
47#	LTE Band 12/1RB#0 10M	Back Side	23095	24.17	24.80	1.156	0.295	0.341
	LTE Band 12/1RB#0 10M	Left Side	23095	24.17	24.80	1.156	0.287	0.332
	LTE Band 12/1RB#0 10M	Right Side	23095	24.17	24.80	1.156	0.144	0.166
	LTE Band 12/1RB#0 10M	Bottom Side	23095	24.17	24.80	1.156	0.202	0.234

	LTE Band 12/1RB#0 10M	Back Side	23060	24.13	24.80	1.167	0.278	0.324
	LTE Band 12/1RB#0 10M	Back Side	23130	24.15	24.80	1.161	0.275	0.319
	LTE Band 12/25RB#0 10M	Front Side	23095	23.28	23.80	1.127	0.135	0.153
	LTE Band 12/25RB#0 10M	Back Side	23095	23.28	23.80	1.127	0.218	0.246
	LTE Band 12/25RB#0 10M	Left Side	23095	23.28	23.80	1.127	0.212	0.239
	LTE Band 12/25RB#0 10M	Right Side	23095	23.28	23.80	1.127	0.107	0.120
	LTE Band 12/25RB#0 10M	Bottom Side	23095	23.28	23.80	1.127	0.149	0.168
	LTE Band 12/25RB#0 10M	Back Side	23060	23.24	23.80	1.138	0.206	0.234
	LTE Band 12/25RB#0 10M	Back Side	23130	23.25	23.80	1.135	0.204	0.231
Sensor off/Full Power for Ant 1								
	LTE Band 13/1RB#0 10M	Front Side	23230	23.14	23.80	1.164	0.080	0.093
	LTE Band 13/1RB#0 10M	Back Side	23230	23.14	23.80	1.164	0.126	0.147
	LTE Band 13/1RB#0 10M	Left Side	23230	23.14	23.80	1.164	0.139	0.162
	LTE Band 13/1RB#0 10M	Top Side	23230	23.14	23.80	1.164	0.156	0.182
	LTE Band 13/25RB#0 10M	Front Side	23230	22.20	22.50	1.072	0.059	0.063
	LTE Band 13/25RB#0 10M	Back Side	23230	22.20	22.50	1.072	0.093	0.100
	LTE Band 13/25RB#0 10M	Left Side	23230	22.20	22.50	1.072	0.103	0.110
	LTE Band 13/25RB#0 10M	Top Side	23230	22.20	22.50	1.072	0.115	0.124
Full Power for Ant 0								
	LTE Band 13/1RB#0 10M	Front Side	23230	23.14	23.80	1.164	0.149	0.173
48#	LTE Band 13/1RB#0 10M	Back Side	23230	23.14	23.80	1.164	0.193	0.225
49#	LTE Band 13/1RB#0 10M	Left Side	23230	23.14	23.80	1.164	0.200	0.233
	LTE Band 13/1RB#0 10M	Right Side	23230	23.14	23.80	1.164	0.115	0.134
	LTE Band 13/1RB#0 10M	Bottom Side	23230	23.14	23.80	1.164	0.195	0.227
	LTE Band 13/25RB#0 10M	Front Side	23230	22.20	22.50	1.072	0.112	0.120
	LTE Band 13/25RB#0 10M	Back Side	23230	22.20	22.50	1.072	0.145	0.155
	LTE Band 13/25RB#0 10M	Left Side	23230	22.20	22.50	1.072	0.150	0.161
	LTE Band 13/25RB#0 10M	Right Side	23230	22.20	22.50	1.072	0.086	0.092
	LTE Band 13/25RB#0 10M	Bottom Side	23230	22.20	22.50	1.072	0.146	0.157
Sensor off/Full Power for Ant 1								
	LTE Band 18/1RB#0 15M	Front Side	23925	24.13	24.80	1.167	0.290	0.338
50#	LTE Band 18/1RB#0 15M	Back Side	23925	24.13	24.80	1.167	0.321	0.375
	LTE Band 18/1RB#0 15M	Left Side	23925	24.13	24.80	1.167	0.167	0.195
	LTE Band 18/1RB#0 15M	Top Side	23925	24.13	24.80	1.167	0.231	0.270
	LTE Band 18/36RB#0 15M	Front Side	23925	23.18	23.80	1.153	0.212	0.244
	LTE Band 18/36RB#0 15M	Back Side	23925	23.18	23.80	1.153	0.234	0.270
	LTE Band 18/36RB#0 15M	Left Side	23925	23.18	23.80	1.153	0.122	0.141
	LTE Band 18/36RB#0 15M	Top Side	23925	23.18	23.80	1.153	0.169	0.195

Full Power for Ant 0								
	LTE Band 18/1RB#0 15M	Front Side	23925	24.13	24.80	1.167	0.136	0.159
	LTE Band 18/1RB#0 15M	Back Side	23925	24.13	24.80	1.167	0.218	0.254
	LTE Band 18/1RB#0 15M	Left Side	23925	24.13	24.80	1.167	0.176	0.205
	LTE Band 18/1RB#0 15M	Right Side	23925	24.13	24.80	1.167	0.113	0.132
	LTE Band 18/1RB#0 15M	Bottom Side	23925	24.13	24.80	1.167	0.209	0.244
	LTE Band 18/36RB#0 15M	Front Side	23925	23.18	23.80	1.153	0.099	0.115
	LTE Band 18/36RB#0 15M	Back Side	23925	23.18	23.80	1.153	0.159	0.184
	LTE Band 18/36RB#0 15M	Left Side	23925	23.18	23.80	1.153	0.128	0.148
	LTE Band 18/36RB#0 15M	Right Side	23925	23.18	23.80	1.153	0.082	0.095
	LTE Band 18/36RB#0 15M	Bottom Side	23925	23.18	23.80	1.153	0.153	0.176
Sensor on/Reduced Power Level 2 for Ant 1								
	LTE Band 25/1RB#0 20M	Front Side	26365	20.53	21.30	1.194	0.438	0.523
	LTE Band 25/1RB#0 20M	Back Side	26365	20.53	21.30	1.194	0.444	0.530
	LTE Band 25/1RB#0 20M	Left Side	26365	20.53	21.30	1.194	0.096	0.114
	LTE Band 25/1RB#0 20M	Top Side	26365	20.53	21.30	1.194	0.893	1.066
	LTE Band 25/1RB#0 20M	Top Side	26140	20.48	21.30	1.208	0.749	0.905
51#	LTE Band 25/1RB#0 20M	Top Side	26590	20.45	21.30	1.216	0.963	1.171
	LTE Band 25/1RB#0 20M	Top Side 2nd battery	26590	20.45	21.30	1.216	0.939	1.142
	LTE Band 25/1RB#0 20M	Top Side CPH2513 1st sample	26590	20.45	21.30	1.216	0.955	1.161
	LTE Band 25/50RB#0 20M	Front Side	26365	19.65	20.30	1.161	0.324	0.376
	LTE Band 25/50RB#0 20M	Back Side	26365	19.65	20.30	1.161	0.329	0.382
	LTE Band 25/50RB#0 20M	Left Side	26365	19.65	20.30	1.161	0.071	0.082
	LTE Band 25/50RB#0 20M	Top Side	26365	19.65	20.30	1.161	0.661	0.768
	LTE Band 25/50RB#0 20M	Top Side	26140	19.62	20.30	1.169	0.554	0.648
	LTE Band 25/50RB#0 20M	Top Side	26590	19.60	20.30	1.175	0.713	0.837
	LTE Band 25/100RB#0 20M	Top Side	26365	19.57	20.30	1.183	0.641	0.758
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 25/1RB#0 20M	Front Side	26365	17.03	17.80	1.194	0.199	0.238
	LTE Band 25/1RB#0 20M	Back Side	26365	17.03	17.80	1.194	0.203	0.242
	LTE Band 25/1RB#0 20M	Left Side	26365	17.03	17.80	1.194	0.046	0.055
	LTE Band 25/1RB#0 20M	Top Side	26365	17.03	17.80	1.194	0.403	0.481
	LTE Band 25/1RB#0 20M	Top Side	26140	16.98	17.80	1.208	0.336	0.406
	LTE Band 25/1RB#0 20M	Top Side	26590	16.95	17.80	1.216	0.434	0.528
	LTE Band 25/50RB#0 20M	Front Side	26365	16.15	16.80	1.161	0.149	0.173

	LTE Band 25/50RB#0 20M	Back Side	26365	16.15	16.80	1.161	0.152	0.177
	LTE Band 25/50RB#0 20M	Left Side	26365	16.15	16.80	1.161	0.035	0.040
	LTE Band 25/50RB#0 20M	Top Side	26365	16.15	16.80	1.161	0.302	0.351
	LTE Band 25/50RB#0 20M	Top Side	26140	16.12	16.80	1.169	0.252	0.295
	LTE Band 25/50RB#0 20M	Top Side	26590	16.10	16.80	1.175	0.326	0.382
Sensor off/Full Power for Ant 4								
	LTE Band 25/1RB#0 20M	Front Side	26365	24.03	24.80	1.194	0.178	0.213
52#	LTE Band 25/1RB#0 20M	Back Side	26365	24.03	24.80	1.194	0.482	0.576
	LTE Band 25/1RB#0 20M	Left Side	26365	24.03	24.80	1.194	0.248	0.296
	LTE Band 25/1RB#0 20M	Top Side	26365	24.03	24.80	1.194	0.029	0.035
	LTE Band 25/1RB#0 20M	Back Side	26140	23.98	24.80	1.208	0.305	0.368
	LTE Band 25/1RB#0 20M	Back Side	26590	23.95	24.80	1.216	0.457	0.556
	LTE Band 25/50RB#0 20M	Front Side	26365	23.15	23.80	1.161	0.142	0.165
	LTE Band 25/50RB#0 20M	Back Side	26365	23.15	23.80	1.161	0.386	0.448
	LTE Band 25/50RB#0 20M	Left Side	26365	23.15	23.80	1.161	0.198	0.230
	LTE Band 25/50RB#0 20M	Top Side	26365	23.15	23.80	1.161	0.023	0.027
	LTE Band 25/50RB#0 20M	Back Side	26140	23.12	23.80	1.169	0.244	0.285
	LTE Band 25/50RB#0 20M	Back Side	26590	23.10	23.80	1.175	0.366	0.430
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 25/1RB#0 20M	Front Side	26365	20.03	20.80	1.194	0.073	0.087
	LTE Band 25/1RB#0 20M	Back Side	26365	20.03	20.80	1.194	0.194	0.232
	LTE Band 25/1RB#0 20M	Left Side	26365	20.03	20.80	1.194	0.101	0.121
	LTE Band 25/1RB#0 20M	Top Side	26365	20.03	20.80	1.194	0.014	0.017
	LTE Band 25/1RB#0 20M	Back Side	26140	19.98	20.80	1.208	0.125	0.151
	LTE Band 25/1RB#0 20M	Back Side	26590	19.95	20.80	1.216	0.188	0.229
	LTE Band 25/50RB#0 20M	Front Side	26365	19.15	19.80	1.161	0.054	0.063
	LTE Band 25/50RB#0 20M	Back Side	26365	19.15	19.80	1.161	0.144	0.167
	LTE Band 25/50RB#0 20M	Left Side	26365	19.15	19.80	1.161	0.075	0.087
	LTE Band 25/50RB#0 20M	Top Side	26365	19.15	19.80	1.161	0.010	0.012
	LTE Band 25/50RB#0 20M	Back Side	26140	19.12	19.80	1.169	0.093	0.108
	LTE Band 25/50RB#0 20M	Back Side	26590	19.10	19.80	1.175	0.139	0.163
Full Power for Ant 0								
	LTE Band 25/1RB#0 20M	Front Side	26365	20.53	21.30	1.194	0.237	0.283
	LTE Band 25/1RB#0 20M	Back Side	26365	20.53	21.30	1.194	0.476	0.568
	LTE Band 25/1RB#0 20M	Left Side	26365	20.53	21.30	1.194	0.045	0.053
	LTE Band 25/1RB#0 20M	Right Side	26365	20.53	21.30	1.194	0.104	0.124
	LTE Band 25/1RB#0 20M	Bottom Side	26365	20.53	21.30	1.194	0.718	0.857
	LTE Band 25/1RB#0 20M	Bottom Side	26140	20.48	21.30	1.208	0.676	0.816

	LTE Band 25/1RB#0 20M	Bottom Side	26590	20.45	21.30	1.216	0.727	0.884
	LTE Band 25/50RB#0 20M	Front Side	26365	19.65	20.30	1.161	0.175	0.204
	LTE Band 25/50RB#0 20M	Back Side	26365	19.65	20.30	1.161	0.352	0.409
	LTE Band 25/50RB#0 20M	Left Side	26365	19.65	20.30	1.161	0.033	0.038
	LTE Band 25/50RB#0 20M	Right Side	26365	19.65	20.30	1.161	0.077	0.089
	LTE Band 25/50RB#0 20M	Bottom Side	26365	19.65	20.30	1.161	0.531	0.617
	LTE Band 25/50RB#0 20M	Bottom Side	26140	19.62	20.30	1.169	0.500	0.585
	LTE Band 25/50RB#0 20M	Bottom Side	26590	19.60	20.30	1.175	0.538	0.632
	LTE Band 25/100RB#0 20M	Bottom Side	26365	19.57	20.30	1.183	0.511	0.605
Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 25/1RB#0 20M	Front Side	26365	17.03	17.80	1.194	0.108	0.129
	LTE Band 25/1RB#0 20M	Back Side	26365	17.03	17.80	1.194	0.215	0.257
	LTE Band 25/1RB#0 20M	Left Side	26365	17.03	17.80	1.194	0.022	0.026
	LTE Band 25/1RB#0 20M	Right Side	26365	17.03	17.80	1.194	0.049	0.059
	LTE Band 25/1RB#0 20M	Bottom Side	26365	17.03	17.80	1.194	0.323	0.386
	LTE Band 25/1RB#0 20M	Bottom Side	26140	16.98	17.80	1.208	0.305	0.368
	LTE Band 25/1RB#0 20M	Bottom Side	26590	16.95	17.80	1.216	0.328	0.399
	LTE Band 25/50RB#0 20M	Front Side	26365	16.15	16.80	1.161	0.081	0.094
	LTE Band 25/50RB#0 20M	Back Side	26365	16.15	16.80	1.161	0.161	0.187
	LTE Band 25/50RB#0 20M	Left Side	26365	16.15	16.80	1.161	0.017	0.019
	LTE Band 25/50RB#0 20M	Right Side	26365	16.15	16.80	1.161	0.037	0.043
	LTE Band 25/50RB#0 20M	Bottom Side	26365	16.15	16.80	1.161	0.242	0.281
	LTE Band 25/50RB#0 20M	Bottom Side	26140	16.12	16.80	1.169	0.229	0.268
	LTE Band 25/50RB#0 20M	Bottom Side	26590	16.10	16.80	1.175	0.246	0.289
Sensor off/Full Power for Ant 1								
	LTE Band 26/1RB#0 15M	Front Side	26865	24.13	24.80	1.167	0.257	0.300
	LTE Band 26/1RB#0 15M	Back Side	26865	24.13	24.80	1.167	0.361	0.421
	LTE Band 26/1RB#0 15M	Left Side	26865	24.13	24.80	1.167	0.168	0.196
	LTE Band 26/1RB#0 15M	Top Side	26865	24.13	24.80	1.167	0.219	0.256
	LTE Band 26/1RB#0 15M	Back Side	26765	24.11	24.80	1.172	0.346	0.406
53#	LTE Band 26/1RB#0 15M	Back Side	26965	24.09	24.80	1.178	0.387	0.456
	LTE Band 26/36RB#0 15M	Front Side	26865	23.18	23.80	1.153	0.193	0.222
	LTE Band 26/36RB#0 15M	Back Side	26865	23.18	23.80	1.153	0.271	0.312
	LTE Band 26/36RB#0 15M	Left Side	26865	23.18	23.80	1.153	0.126	0.145
	LTE Band 26/36RB#0 15M	Top Side	26865	23.18	23.80	1.153	0.164	0.189
	LTE Band 26/36RB#0 15M	Back Side	26765	23.14	23.80	1.164	0.260	0.302
	LTE Band 26/36RB#0 15M	Back Side	26965	23.12	23.80	1.169	0.290	0.339

Full Power for Ant 0								
	LTE Band 26/1RB#0 15M	Front Side	26865	24.13	24.80	1.167	0.139	0.162
	LTE Band 26/1RB#0 15M	Back Side	26865	24.13	24.80	1.167	0.190	0.222
	LTE Band 26/1RB#0 15M	Left Side	26865	24.13	24.80	1.167	0.202	0.236
	LTE Band 26/1RB#0 15M	Right Side	26865	24.13	24.80	1.167	0.102	0.119
	LTE Band 26/1RB#0 15M	Bottom Side	26865	24.13	24.80	1.167	0.222	0.259
	LTE Band 26/1RB#0 15M	Bottom Side	26765	24.11	24.80	1.172	0.233	0.273
	LTE Band 26/1RB#0 15M	Bottom Side	26965	24.09	24.80	1.178	0.244	0.287
	LTE Band 26/36RB#0 15M	Front Side	26865	23.18	23.80	1.153	0.107	0.123
	LTE Band 26/36RB#0 15M	Back Side	26865	23.18	23.80	1.153	0.146	0.169
	LTE Band 26/36RB#0 15M	Left Side	26865	23.18	23.80	1.153	0.156	0.179
	LTE Band 26/36RB#0 15M	Right Side	26865	23.18	23.80	1.153	0.079	0.091
	LTE Band 26/36RB#0 15M	Bottom Side	26865	23.18	23.80	1.153	0.171	0.197
	LTE Band 26/36RB#0 15M	Bottom Side	26765	23.14	23.80	1.164	0.179	0.209
	LTE Band 26/36RB#0 15M	Bottom Side	26965	23.12	23.80	1.169	0.188	0.220
Sensor off/Full Power for Ant 1								
	LTE Band 38/1RB#0 20M	Front Side	38000	23.15	23.80	1.161	0.180	0.210
54#	LTE Band 38/1RB#0 20M	Back Side	38000	23.15	23.80	1.161	0.334	0.390
	LTE Band 38/1RB#0 20M	Left Side	38000	23.15	23.80	1.161	0.293	0.342
	LTE Band 38/1RB#0 20M	Top Side	38000	23.15	23.80	1.161	0.375	0.438
55#	LTE Band 38/1RB#0 20M	Top Side	37850	23.12	23.80	1.169	0.380	0.447
	LTE Band 38/1RB#0 20M	Top Side	38150	23.08	23.80	1.180	0.357	0.424
	LTE Band 38/50RB#0 20M	Front Side	38000	22.13	22.80	1.167	0.133	0.156
	LTE Band 38/50RB#0 20M	Back Side	38000	22.13	22.80	1.167	0.247	0.290
	LTE Band 38/50RB#0 20M	Left Side	38000	22.13	22.80	1.167	0.217	0.255
	LTE Band 38/50RB#0 20M	Top Side	38000	22.13	22.80	1.167	0.278	0.326
	LTE Band 38/50RB#0 20M	Top Side	37850	22.10	22.80	1.175	0.281	0.332
	LTE Band 38/50RB#0 20M	Top Side	38150	22.05	22.80	1.189	0.264	0.316
Full Power for Ant 0								
	LTE Band 38/1RB#0 20M	Front Side	38000	23.15	23.80	1.161	0.198	0.231
	LTE Band 38/1RB#0 20M	Back Side	38000	23.15	23.80	1.161	0.214	0.250
	LTE Band 38/1RB#0 20M	Left Side	38000	23.15	23.80	1.161	0.018	0.021
	LTE Band 38/1RB#0 20M	Right Side	38000	23.15	23.80	1.161	0.144	0.168
	LTE Band 38/1RB#0 20M	Bottom Side	38000	23.15	23.80	1.161	0.135	0.158
	LTE Band 38/1RB#0 20M	Back Side	37850	23.12	23.80	1.169	0.209	0.246
	LTE Band 38/1RB#0 20M	Back Side	38150	23.08	23.80	1.180	0.205	0.243
	LTE Band 38/50RB#0 20M	Front Side	38000	22.13	22.80	1.167	0.149	0.174
	LTE Band 38/50RB#0 20M	Back Side	38000	22.13	22.80	1.167	0.161	0.188

	LTE Band 38/50RB#0 20M	Left Side	38000	22.13	22.80	1.167	0.013	0.015
	LTE Band 38/50RB#0 20M	Right Side	38000	22.13	22.80	1.167	0.108	0.127
	LTE Band 38/50RB#0 20M	Bottom Side	38000	22.13	22.80	1.167	0.101	0.119
	LTE Band 38/50RB#0 20M	Back Side	37850	22.10	22.80	1.175	0.157	0.185
	LTE Band 38/50RB#0 20M	Back Side	38150	22.05	22.80	1.189	0.154	0.184
Sensor on/Reduced Power Level 2 for Ant 1 (HPUE)								
	LTE Band 41/1RB#0 20M	Front Side	40620	19.14	19.90	1.191	0.177	0.212
	LTE Band 41/1RB#0 20M	Back Side	40620	19.14	19.90	1.191	0.315	0.377
	LTE Band 41/1RB#0 20M	Left Side	40620	19.14	19.90	1.191	0.286	0.343
	LTE Band 41/1RB#0 20M	Top Side	40620	19.14	19.90	1.191	0.368	0.441
	LTE Band 41/1RB#0 20M	Top Side	39750	18.85	19.90	1.274	0.490	0.628
	LTE Band 41/1RB#0 20M	Top Side	40185	18.83	19.90	1.279	0.389	0.501
	LTE Band 41/1RB#0 20M	Top Side	41055	19.10	19.90	1.202	0.315	0.381
	LTE Band 41/1RB#0 20M	Top Side	41490	19.08	19.90	1.208	0.186	0.226
	LTE Band 41/50RB#0 20M	Front Side	40620	18.15	18.90	1.189	0.133	0.159
	LTE Band 41/50RB#0 20M	Back Side	40620	18.15	18.90	1.189	0.236	0.282
	LTE Band 41/50RB#0 20M	Left Side	40620	18.15	18.90	1.189	0.215	0.256
	LTE Band 41/50RB#0 20M	Top Side	40620	18.15	18.90	1.189	0.276	0.330
	LTE Band 41/50RB#0 20M	Top Side	39750	17.93	18.90	1.250	0.368	0.462
	LTE Band 41/50RB#0 20M	Top Side	40185	17.89	18.90	1.262	0.292	0.370
	LTE Band 41/50RB#0 20M	Top Side	41055	18.08	18.90	1.208	0.236	0.287
	LTE Band 41/50RB#0 20M	Top Side	41490	18.01	18.90	1.227	0.140	0.172
Sensor on/Reduced Power Level 4 for Simultaneous Transmission (HPUE)								
	LTE Band 41/1RB#0 20M	Front Side	40620	15.64	16.40	1.191	0.082	0.098
	LTE Band 41/1RB#0 20M	Back Side	40620	15.64	16.40	1.191	0.144	0.173
	LTE Band 41/1RB#0 20M	Left Side	40620	15.64	16.40	1.191	0.129	0.155
	LTE Band 41/1RB#0 20M	Top Side	40620	15.64	16.40	1.191	0.167	0.200
	LTE Band 41/1RB#0 20M	Top Side	39750	15.35	16.40	1.274	0.225	0.288
	LTE Band 41/1RB#0 20M	Top Side	40185	15.33	16.40	1.279	0.177	0.228
	LTE Band 41/1RB#0 20M	Top Side	41055	15.60	16.40	1.202	0.144	0.174
	LTE Band 41/1RB#0 20M	Top Side	41490	15.58	16.40	1.208	0.086	0.104
	LTE Band 41/50RB#0 20M	Front Side	40620	14.65	15.40	1.189	0.062	0.074
	LTE Band 41/50RB#0 20M	Back Side	40620	14.65	15.40	1.189	0.108	0.129
	LTE Band 41/50RB#0 20M	Left Side	40620	14.65	15.40	1.189	0.097	0.116
	LTE Band 41/50RB#0 20M	Top Side	40620	14.65	15.40	1.189	0.125	0.150
	LTE Band 41/50RB#0 20M	Top Side	39750	14.43	15.40	1.250	0.169	0.212

	LTE Band 41/50RB#0 20M	Top Side	40185	14.39	15.40	1.262	0.133	0.169
	LTE Band 41/50RB#0 20M	Top Side	41055	14.58	15.40	1.208	0.108	0.131
	LTE Band 41/50RB#0 20M	Top Side	41490	14.51	15.40	1.227	0.065	0.080
Sensor off/Full Power for Ant 4 (HPUE)								
	LTE Band 41/1RB#0 20M	Front Side	40620	25.64	26.40	1.191	0.089	0.107
	LTE Band 41/1RB#0 20M	Back Side	40620	25.64	26.40	1.191	0.361	0.433
	LTE Band 41/1RB#0 20M	Left Side	40620	25.64	26.40	1.191	0.170	0.204
	LTE Band 41/1RB#0 20M	Top Side	40620	25.64	26.40	1.191	0.032	0.038
	LTE Band 41/1RB#0 20M	Back Side	39750	25.35	26.40	1.274	0.235	0.301
	LTE Band 41/1RB#0 20M	Back Side	40185	25.33	26.40	1.279	0.214	0.275
	LTE Band 41/1RB#0 20M	Back Side	41055	25.60	26.40	1.202	0.270	0.327
	LTE Band 41/1RB#0 20M	Back Side	41490	25.58	26.40	1.208	0.258	0.313
	LTE Band 41/50RB#0 20M	Front Side	40620	24.65	25.40	1.189	0.071	0.085
	LTE Band 41/50RB#0 20M	Back Side	40620	24.65	25.40	1.189	0.289	0.345
	LTE Band 41/50RB#0 20M	Left Side	40620	24.65	25.40	1.189	0.136	0.163
	LTE Band 41/50RB#0 20M	Top Side	40620	24.65	25.40	1.189	0.025	0.030
	LTE Band 41/50RB#0 20M	Back Side	39750	24.43	25.40	1.250	0.188	0.236
	LTE Band 41/50RB#0 20M	Back Side	40185	24.39	25.40	1.262	0.171	0.217
	LTE Band 41/50RB#0 20M	Back Side	41055	24.58	25.40	1.208	0.216	0.262
	LTE Band 41/50RB#0 20M	Back Side	41490	24.51	25.40	1.227	0.206	0.255
Reduced Power Level 2 for Ant 0 (HPUE)								
	LTE Band 41/1RB#0 20M	Front Side	40620	23.14	23.90	1.191	0.429	0.514
	LTE Band 41/1RB#0 20M	Back Side	40620	23.14	23.90	1.191	0.477	0.572
	LTE Band 41/1RB#0 20M	Left Side	40620	23.14	23.90	1.191	0.039	0.047
	LTE Band 41/1RB#0 20M	Right Side	40620	23.14	23.90	1.191	0.268	0.322
	LTE Band 41/1RB#0 20M	Bottom Side	40620	23.14	23.90	1.191	0.270	0.323
	LTE Band 41/1RB#0 20M	Back Side	39750	22.85	23.90	1.274	0.537	0.688
	LTE Band 41/1RB#0 20M	Back Side	40185	22.83	23.90	1.279	0.507	0.653
	LTE Band 41/1RB#0 20M	Back Side	41055	23.10	23.90	1.202	0.541	0.654
56#	LTE Band 41/1RB#0 20M	Back Side	41490	23.08	23.90	1.208	0.568	0.690
	LTE Band 41/50RB#0 20M	Front Side	40620	22.15	22.90	1.189	0.348	0.416
	LTE Band 41/50RB#0 20M	Back Side	40620	22.15	22.90	1.189	0.387	0.463
	LTE Band 41/50RB#0 20M	Left Side	40620	22.15	22.90	1.189	0.032	0.038
	LTE Band 41/50RB#0 20M	Right Side	40620	22.15	22.90	1.189	0.218	0.260
	LTE Band 41/50RB#0 20M	Bottom Side	40620	22.15	22.90	1.189	0.219	0.261
	LTE Band 41/50RB#0 20M	Back Side	39750	21.93	22.90	1.250	0.435	0.547

	LTE Band 41/50RB#0 20M	Back Side	40185	21.89	22.90	1.262	0.411	0.522
	LTE Band 41/50RB#0 20M	Back Side	41055	22.08	22.90	1.208	0.438	0.533
	LTE Band 41/50RB#0 20M	Back Side	41490	22.01	22.90	1.227	0.460	0.569
Reduced Power Level 4 for Simultaneous Transmission (HPUE)								
	LTE Band 41/1RB#0 20M	Front Side	40620	19.14	19.90	1.191	0.174	0.209
	LTE Band 41/1RB#0 20M	Back Side	40620	19.14	19.90	1.191	0.192	0.230
	LTE Band 41/1RB#0 20M	Left Side	40620	19.14	19.90	1.191	0.018	0.022
	LTE Band 41/1RB#0 20M	Right Side	40620	19.14	19.90	1.191	0.108	0.129
	LTE Band 41/1RB#0 20M	Bottom Side	40620	19.14	19.90	1.191	0.110	0.132
	LTE Band 41/1RB#0 20M	Back Side	39750	18.85	19.90	1.274	0.216	0.277
	LTE Band 41/1RB#0 20M	Back Side	40185	18.83	19.90	1.279	0.205	0.264
	LTE Band 41/1RB#0 20M	Back Side	41055	19.10	19.90	1.202	0.218	0.264
	LTE Band 41/1RB#0 20M	Back Side	41490	19.08	19.90	1.208	0.229	0.278
	LTE Band 41/50RB#0 20M	Front Side	40620	18.15	18.90	1.189	0.131	0.156
	LTE Band 41/50RB#0 20M	Back Side	40620	18.15	18.90	1.189	0.144	0.172
	LTE Band 41/50RB#0 20M	Left Side	40620	18.15	18.90	1.189	0.014	0.016
	LTE Band 41/50RB#0 20M	Right Side	40620	18.15	18.90	1.189	0.081	0.097
	LTE Band 41/50RB#0 20M	Bottom Side	40620	18.15	18.90	1.189	0.083	0.099
	LTE Band 41/50RB#0 20M	Back Side	39750	17.93	18.90	1.250	0.162	0.204
	LTE Band 41/50RB#0 20M	Back Side	40185	17.89	18.90	1.262	0.154	0.195
	LTE Band 41/50RB#0 20M	Back Side	41055	18.08	18.90	1.208	0.164	0.199
	LTE Band 41/50RB#0 20M	Back Side	41490	18.01	18.90	1.227	0.172	0.212
Sensor on/Reduced Power Level 2 for Ant 1								
	LTE Band 41/1RB#0 20M	Front Side	40620	18.66	19.30	1.159	0.214	0.249
	LTE Band 41/1RB#0 20M	Back Side	40620	18.66	19.30	1.159	0.320	0.373
	LTE Band 41/1RB#0 20M	Left Side	40620	18.66	19.30	1.159	0.281	0.328
	LTE Band 41/1RB#0 20M	Top Side	40620	18.66	19.30	1.159	0.373	0.435
	LTE Band 41/1RB#0 20M	Top Side	39750	18.29	19.30	1.262	0.490	0.622
	LTE Band 41/1RB#0 20M	Top Side	40185	18.20	19.30	1.288	0.385	0.499
	LTE Band 41/1RB#0 20M	Top Side	41055	18.64	19.30	1.164	0.313	0.367
	LTE Band 41/1RB#0 20M	Top Side	41490	18.61	19.30	1.172	0.191	0.225
	LTE Band 41/50RB#0 20M	Front Side	40620	17.68	18.30	1.153	0.178	0.206
	LTE Band 41/50RB#0 20M	Back Side	40620	17.68	18.30	1.153	0.266	0.308
	LTE Band 41/50RB#0 20M	Left Side	40620	17.68	18.30	1.153	0.233	0.271
	LTE Band 41/50RB#0 20M	Top Side	40620	17.68	18.30	1.153	0.310	0.359
	LTE Band 41/50RB#0 20M	Top Side	39750	17.20	18.30	1.288	0.407	0.527
	LTE Band 41/50RB#0 20M	Top Side	40185	17.26	18.30	1.271	0.320	0.408

	LTE Band 41/50RB#0 20M	Top Side	41055	17.66	18.30	1.159	0.260	0.303
	LTE Band 41/50RB#0 20M	Top Side	41490	17.63	18.30	1.167	0.159	0.186
	LTE Band 41/1RB#0 20M+20M	Top Side	40620	18.13	15.50	0.546	0.304	0.167
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 41/1RB#0 20M	Front Side	40620	15.16	15.80	1.159	0.099	0.115
	LTE Band 41/1RB#0 20M	Back Side	40620	15.16	15.80	1.159	0.146	0.170
	LTE Band 41/1RB#0 20M	Left Side	40620	15.16	15.80	1.159	0.128	0.149
	LTE Band 41/1RB#0 20M	Top Side	40620	15.16	15.80	1.159	0.169	0.197
	LTE Band 41/1RB#0 20M	Top Side	39750	14.79	15.80	1.262	0.223	0.283
	LTE Band 41/1RB#0 20M	Top Side	40185	14.70	15.80	1.288	0.175	0.227
	LTE Band 41/1RB#0 20M	Top Side	41055	15.14	15.80	1.164	0.143	0.167
	LTE Band 41/1RB#0 20M	Top Side	41490	15.11	15.80	1.172	0.088	0.104
	LTE Band 41/50RB#0 20M	Front Side	40620	14.18	14.80	1.153	0.074	0.086
	LTE Band 41/50RB#0 20M	Back Side	40620	14.18	14.80	1.153	0.110	0.127
	LTE Band 41/50RB#0 20M	Left Side	40620	14.18	14.80	1.153	0.096	0.111
	LTE Band 41/50RB#0 20M	Top Side	40620	14.18	14.80	1.153	0.127	0.147
	LTE Band 41/50RB#0 20M	Top Side	39750	13.70	14.80	1.288	0.167	0.217
	LTE Band 41/50RB#0 20M	Top Side	40185	13.76	14.80	1.271	0.131	0.168
	LTE Band 41/50RB#0 20M	Top Side	41055	14.16	14.80	1.159	0.107	0.125
	LTE Band 41/50RB#0 20M	Top Side	41490	14.13	14.80	1.167	0.066	0.077
	LTE Band 41/1RB#0 20M+20M	Top Side	40620	14.63	15.50	1.222	0.138	0.170
Sensor off/Full Power for Ant 4								
	LTE Band 41/1RB#0 20M	Front Side	40620	23.16	23.80	1.159	0.183	0.213
	LTE Band 41/1RB#0 20M	Back Side	40620	23.16	23.80	1.159	0.211	0.246
	LTE Band 41/1RB#0 20M	Left Side	40620	23.16	23.80	1.159	0.132	0.154
	LTE Band 41/1RB#0 20M	Top Side	40620	23.16	23.80	1.159	0.110	0.128
	LTE Band 41/1RB#0 20M	Back Side	39750	22.79	23.80	1.262	0.245	0.311
	LTE Band 41/1RB#0 20M	Back Side	40185	22.70	23.80	1.288	0.200	0.259
	LTE Band 41/1RB#0 20M	Back Side	41055	23.14	23.80	1.164	0.183	0.214
	LTE Band 41/1RB#0 20M	Back Side	41490	23.11	23.80	1.172	0.244	0.288
	LTE Band 41/50RB#0 20M	Front Side	40620	22.18	22.80	1.153	0.146	0.170
	LTE Band 41/50RB#0 20M	Back Side	40620	22.18	22.80	1.153	0.169	0.196
	LTE Band 41/50RB#0 20M	Left Side	40620	22.18	22.80	1.153	0.106	0.123
	LTE Band 41/50RB#0 20M	Top Side	40620	22.18	22.80	1.153	0.088	0.102
	LTE Band 41/50RB#0 20M	Back Side	39750	21.70	22.80	1.288	0.196	0.254
	LTE Band 41/50RB#0 20M	Back Side	40185	21.76	22.80	1.271	0.160	0.205

	LTE Band 41/50RB#0 20M	Back Side	41055	22.16	22.80	1.159	0.146	0.171
	LTE Band 41/50RB#0 20M	Back Side	41490	22.13	22.80	1.167	0.195	0.229
	LTE Band 41/1RB#0 20M+20M	Back Side	40620	22.63	23.50	1.222	0.178	0.219
Reduced Power Level 2 for Ant 0								
	LTE Band 41/1RB#0 20M	Front Side	40620	22.66	23.30	1.159	0.399	0.465
	LTE Band 41/1RB#0 20M	Back Side	40620	22.66	23.30	1.159	0.436	0.508
	LTE Band 41/1RB#0 20M	Left Side	40620	22.66	23.30	1.159	0.052	0.061
	LTE Band 41/1RB#0 20M	Right Side	40620	22.66	23.30	1.159	0.319	0.372
	LTE Band 41/1RB#0 20M	Bottom Side	40620	22.66	23.30	1.159	0.280	0.326
	LTE Band 41/1RB#0 20M	Back Side	39750	22.29	23.30	1.262	0.453	0.575
	LTE Band 41/1RB#0 20M	Back Side	40185	22.20	23.30	1.288	0.433	0.561
	LTE Band 41/1RB#0 20M	Back Side	41055	22.64	23.30	1.164	0.462	0.541
	LTE Band 41/1RB#0 20M	Back Side	41490	22.61	23.30	1.172	0.475	0.560
	LTE Band 41/50RB#0 20M	Front Side	40620	21.68	22.30	1.153	0.295	0.343
	LTE Band 41/50RB#0 20M	Back Side	40620	21.68	22.30	1.153	0.323	0.374
	LTE Band 41/50RB#0 20M	Left Side	40620	21.68	22.30	1.153	0.039	0.045
	LTE Band 41/50RB#0 20M	Right Side	40620	21.68	22.30	1.153	0.236	0.274
	LTE Band 41/50RB#0 20M	Bottom Side	40620	21.68	22.30	1.153	0.207	0.240
	LTE Band 41/50RB#0 20M	Back Side	39750	21.20	22.30	1.288	0.335	0.434
	LTE Band 41/50RB#0 20M	Back Side	40185	21.26	22.30	1.271	0.320	0.410
	LTE Band 41/50RB#0 20M	Back Side	41055	21.66	22.30	1.159	0.342	0.399
	LTE Band 41/50RB#0 20M	Back Side	41490	21.63	22.30	1.167	0.352	0.413
	LTE Band 41/1RB#0 20M+20M	Back Side	40620	22.13	19.00	0.486	0.385	0.188
Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 41/1RB#0 20M	Front Side	40620	18.66	19.30	1.159	0.162	0.189
	LTE Band 41/1RB#0 20M	Back Side	40620	18.66	19.30	1.159	0.177	0.206
	LTE Band 41/1RB#0 20M	Left Side	40620	18.66	19.30	1.159	0.023	0.027
	LTE Band 41/1RB#0 20M	Right Side	40620	18.66	19.30	1.159	0.132	0.154
	LTE Band 41/1RB#0 20M	Bottom Side	40620	18.66	19.30	1.159	0.118	0.138
	LTE Band 41/1RB#0 20M	Back Side	39750	18.29	19.30	1.262	0.184	0.234
	LTE Band 41/1RB#0 20M	Back Side	40185	18.20	19.30	1.288	0.175	0.227
	LTE Band 41/1RB#0 20M	Back Side	41055	18.64	19.30	1.164	0.189	0.221
	LTE Band 41/1RB#0 20M	Back Side	41490	18.61	19.30	1.172	0.199	0.235
	LTE Band 41/50RB#0 20M	Front Side	40620	17.68	18.30	1.153	0.295	0.343
	LTE Band 41/50RB#0 20M	Back Side	40620	17.68	18.30	1.153	0.323	0.374
	LTE Band 41/50RB#0 20M	Left Side	40620	17.68	18.30	1.153	0.039	0.045

	LTE Band 41/50RB#0 20M	Right Side	40620	17.68	18.30	1.153	0.236	0.274
	LTE Band 41/50RB#0 20M	Bottom Side	40620	17.68	18.30	1.153	0.207	0.240
	LTE Band 41/50RB#0 20M	Back Side	39750	17.20	18.30	1.288	0.335	0.434
	LTE Band 41/50RB#0 20M	Back Side	40185	17.26	18.30	1.271	0.320	0.410
	LTE Band 41/50RB#0 20M	Back Side	41055	17.66	18.30	1.159	0.342	0.399
	LTE Band 41/50RB#0 20M	Back Side	41490	17.63	18.30	1.167	0.352	0.413
	LTE Band 41/1RB#0 20M+20M	Back Side	40620	18.13	19.00	1.222	0.155	0.191
Full Power for Ant 3								
	LTE Band 48/1RB#0 20M	Front Side	55990	23.31	23.80	1.119	0.102	0.114
	LTE Band 48/1RB#0 20M	Back Side	55990	23.31	23.80	1.119	0.396	0.443
	LTE Band 48/1RB#0 20M	Right Side	55990	23.31	23.80	1.119	0.361	0.404
	LTE Band 48/1RB#0 20M	Top Side	55990	23.31	23.80	1.119	0.133	0.149
	LTE Band 48/1RB#0 20M	Back Side	55340	23.25	23.80	1.135	0.307	0.348
	LTE Band 48/1RB#0 20M	Back Side	55830	23.17	23.80	1.156	0.217	0.251
	LTE Band 48/1RB#0 20M	Back Side	56150	23.24	23.80	1.138	0.301	0.342
	LTE Band 48/1RB#0 20M	Back Side	56640	23.28	23.80	1.127	0.369	0.416
	LTE Band 48/50RB#0 20M	Front Side	55990	22.28	22.80	1.127	0.075	0.085
	LTE Band 48/50RB#0 20M	Back Side	55990	22.28	22.80	1.127	0.293	0.330
	LTE Band 48/50RB#0 20M	Right Side	55990	22.28	22.80	1.127	0.267	0.301
	LTE Band 48/50RB#0 20M	Top Side	55990	22.28	22.80	1.127	0.098	0.111
	LTE Band 48/50RB#0 20M	Back Side	55340	22.24	22.80	1.138	0.227	0.258
	LTE Band 48/50RB#0 20M	Back Side	55830	22.17	22.80	1.156	0.161	0.186
	LTE Band 48/50RB#0 20M	Back Side	56150	22.23	22.80	1.140	0.223	0.254
	LTE Band 48/50RB#0 20M	Back Side	56640	22.27	22.80	1.130	0.273	0.309
	LTE Band 48/1RB#0 20M+20M	Back Side	55990	22.72	23.50	1.197	0.358	0.428
Sensor on/Reduced Power Level 2 for Ant 4								
	LTE Band 48/1RB#0 20M	Front Side	55990	18.81	19.30	1.119	0.070	0.078
	LTE Band 48/1RB#0 20M	Back Side	55990	18.81	19.30	1.119	0.365	0.409
	LTE Band 48/1RB#0 20M	Left Side	55990	18.81	19.30	1.119	0.231	0.259
	LTE Band 48/1RB#0 20M	Top Side	55990	18.81	19.30	1.119	0.028	0.031
57#	LTE Band 48/1RB#0 20M	Back Side	55340	18.75	19.30	1.135	0.601	0.682
	LTE Band 48/1RB#0 20M	Back Side	55830	18.67	19.30	1.156	0.505	0.584
	LTE Band 48/1RB#0 20M	Back Side	56150	18.74	19.30	1.138	0.416	0.473
	LTE Band 48/1RB#0 20M	Back Side	56640	18.78	19.30	1.127	0.189	0.213
	LTE Band 48/50RB#0 20M	Front Side	55990	17.78	18.30	1.127	0.055	0.062
	LTE Band 48/50RB#0 20M	Back Side	55990	17.78	18.30	1.127	0.285	0.321

	LTE Band 48/50RB#0 20M	Left Side	55990	17.78	18.30	1.127	0.180	0.203
	LTE Band 48/50RB#0 20M	Top Side	55990	17.78	18.30	1.127	0.022	0.025
	LTE Band 48/50RB#0 20M	Back Side	55340	17.74	18.30	1.138	0.469	0.533
	LTE Band 48/50RB#0 20M	Back Side	55830	17.67	18.30	1.156	0.394	0.455
	LTE Band 48/50RB#0 20M	Back Side	56150	17.73	18.30	1.140	0.324	0.370
	LTE Band 48/50RB#0 20M	Back Side	56640	17.77	18.30	1.130	0.147	0.167
	LTE Band 48/1RB#0 20M+20M	Back Side	55340	18.22	15.00	0.476	0.351	0.167
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 48/1RB#0 20M	Front Side	55990	14.81	15.30	1.119	0.032	0.036
	LTE Band 48/1RB#0 20M	Back Side	55990	14.81	15.30	1.119	0.148	0.166
	LTE Band 48/1RB#0 20M	Left Side	55990	14.81	15.30	1.119	0.094	0.105
	LTE Band 48/1RB#0 20M	Top Side	55990	14.81	15.30	1.119	0.013	0.015
	LTE Band 48/1RB#0 20M	Back Side	55340	14.75	15.30	1.135	0.243	0.276
	LTE Band 48/1RB#0 20M	Back Side	55830	14.67	15.30	1.156	0.203	0.235
	LTE Band 48/1RB#0 20M	Back Side	56150	14.74	15.30	1.138	0.166	0.189
	LTE Band 48/1RB#0 20M	Back Side	56640	14.78	15.30	1.127	0.077	0.087
	LTE Band 48/50RB#0 20M	Front Side	55990	13.78	14.30	1.127	0.024	0.027
	LTE Band 48/50RB#0 20M	Back Side	55990	13.78	14.30	1.127	0.111	0.125
	LTE Band 48/50RB#0 20M	Left Side	55990	13.78	14.30	1.127	0.071	0.079
	LTE Band 48/50RB#0 20M	Top Side	55990	13.78	14.30	1.127	0.010	0.011
	LTE Band 48/50RB#0 20M	Back Side	55340	13.74	14.30	1.138	0.182	0.207
	LTE Band 48/50RB#0 20M	Back Side	55830	13.67	14.30	1.156	0.152	0.176
	LTE Band 48/50RB#0 20M	Back Side	56150	13.73	14.30	1.140	0.125	0.142
	LTE Band 48/50RB#0 20M	Back Side	56640	13.77	14.30	1.130	0.058	0.065
	LTE Band 48/1RB#0 20M+20M	Back Side	55340	14.22	15.00	1.197	0.132	0.158
Full Power for Ant 5								
	LTE Band 48/1RB#0 20M	Front Side	55990	23.31	23.80	1.119	0.102	0.114
	LTE Band 48/1RB#0 20M	Back Side	55990	23.31	23.80	1.119	0.188	0.210
	LTE Band 48/1RB#0 20M	Left Side	55990	23.31	23.80	1.119	0.195	0.218
	LTE Band 48/1RB#0 20M	Bottom Side	55990	23.31	23.80	1.119	0.071	0.080
	LTE Band 48/1RB#0 20M	Left Side	55340	23.25	23.80	1.135	0.207	0.235
	LTE Band 48/1RB#0 20M	Left Side	55830	23.17	23.80	1.156	0.212	0.245
	LTE Band 48/1RB#0 20M	Left Side	56150	23.24	23.80	1.138	0.227	0.258
	LTE Band 48/1RB#0 20M	Left Side	56640	23.28	23.80	1.127	0.217	0.245
	LTE Band 48/50RB#0 20M	Front Side	55990	22.28	22.80	1.127	0.080	0.090
	LTE Band 48/50RB#0 20M	Back Side	55990	22.28	22.80	1.127	0.144	0.162

	LTE Band 48/50RB#0 20M	Left Side	55990	22.28	22.80	1.127	0.152	0.171
	LTE Band 48/50RB#0 20M	Bottom Side	55990	22.28	22.80	1.127	0.056	0.063
	LTE Band 48/50RB#0 20M	Left Side	55340	22.24	22.80	1.138	0.161	0.184
	LTE Band 48/50RB#0 20M	Left Side	55830	22.17	22.80	1.156	0.165	0.191
	LTE Band 48/50RB#0 20M	Left Side	56150	22.23	22.80	1.140	0.177	0.202
	LTE Band 48/50RB#0 20M	Left Side	56640	22.27	22.80	1.130	0.169	0.191
	LTE Band 48/1RB#0 20M+20M	Left Side	55990	22.72	23.50	1.197	0.162	0.194
Full Power for Ant 6								
	LTE Band 48/1RB#0 20M	Front Side	55990	23.31	23.80	1.119	0.111	0.124
	LTE Band 48/1RB#0 20M	Back Side	55990	23.31	23.80	1.119	0.144	0.161
	LTE Band 48/1RB#0 20M	Right Side	55990	23.31	23.80	1.119	0.061	0.069
	LTE Band 48/1RB#0 20M	Top Side	55990	23.31	23.80	1.119	0.096	0.107
	LTE Band 48/1RB#0 20M	Back Side	55340	23.25	23.80	1.135	0.134	0.152
	LTE Band 48/1RB#0 20M	Back Side	55830	23.17	23.80	1.156	0.157	0.182
	LTE Band 48/1RB#0 20M	Back Side	56150	23.24	23.80	1.138	0.158	0.180
	LTE Band 48/1RB#0 20M	Back Side	56640	23.28	23.80	1.127	0.150	0.169
	LTE Band 48/50RB#0 20M	Front Side	55990	22.28	22.80	1.127	0.083	0.094
	LTE Band 48/50RB#0 20M	Back Side	55990	22.28	22.80	1.127	0.108	0.122
	LTE Band 48/50RB#0 20M	Right Side	55990	22.28	22.80	1.127	0.046	0.052
	LTE Band 48/50RB#0 20M	Top Side	55990	22.28	22.80	1.127	0.072	0.081
	LTE Band 48/50RB#0 20M	Back Side	55340	22.24	22.80	1.138	0.101	0.114
	LTE Band 48/50RB#0 20M	Back Side	55830	22.17	22.80	1.156	0.118	0.136
	LTE Band 48/50RB#0 20M	Back Side	56150	22.23	22.80	1.140	0.119	0.135
	LTE Band 48/50RB#0 20M	Back Side	56640	22.27	22.80	1.130	0.113	0.127
	LTE Band 48/1RB#0 20M+20M	Back Side	55990	22.72	23.50	1.197	0.122	0.146
Sensor on/Reduced Power Level 2 for Ant 1								
58#	LTE Band 66/1RB#0 20M	Front Side	132322	20.40	21.10	1.175	0.591	0.694
	LTE Band 66/1RB#0 20M	Back Side	132322	20.40	21.10	1.175	0.588	0.691
	LTE Band 66/1RB#0 20M	Left Side	132322	20.40	21.10	1.175	0.153	0.180
59#	LTE Band 66/1RB#0 20M	Top Side	132322	20.40	21.10	1.175	0.987	1.160
	LTE Band 66/1RB#0 20M	Top Side	132072	20.29	21.10	1.205	0.834	1.005
	LTE Band 66/1RB#0 20M	Top Side	132572	20.31	21.10	1.199	0.828	0.993
	LTE Band 66/50RB#0 20M	Front Side	132322	19.31	20.10	1.199	0.431	0.517
	LTE Band 66/50RB#0 20M	Back Side	132322	19.31	20.10	1.199	0.429	0.515
	LTE Band 66/50RB#0 20M	Left Side	132322	19.31	20.10	1.199	0.112	0.134
	LTE Band 66/50RB#0 20M	Top Side	132322	19.31	20.10	1.199	0.721	0.864

	LTE Band 66/50RB#0 20M	Top Side	132072	19.29	20.10	1.205	0.609	0.734
	LTE Band 66/50RB#0 20M	Top Side	132572	19.28	20.10	1.208	0.604	0.730
	LTE Band 66/100RB#0 20M	Top Side	132572	19.35	20.10	1.189	0.613	0.729
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 66/1RB#0 20M	Front Side	132322	15.90	16.60	1.175	0.212	0.249
	LTE Band 66/1RB#0 20M	Back Side	132322	15.90	16.60	1.175	0.211	0.248
	LTE Band 66/1RB#0 20M	Left Side	132322	15.90	16.60	1.175	0.055	0.065
	LTE Band 66/1RB#0 20M	Top Side	132322	15.90	16.60	1.175	0.352	0.414
	LTE Band 66/1RB#0 20M	Top Side	132072	15.79	16.60	1.205	0.296	0.357
	LTE Band 66/1RB#0 20M	Top Side	132572	15.81	16.60	1.199	0.294	0.353
	LTE Band 66/50RB#0 20M	Front Side	132322	14.81	15.60	1.199	0.159	0.191
	LTE Band 66/50RB#0 20M	Back Side	132322	14.81	15.60	1.199	0.158	0.190
	LTE Band 66/50RB#0 20M	Left Side	132322	14.81	15.60	1.199	0.041	0.049
	LTE Band 66/50RB#0 20M	Top Side	132322	14.81	15.60	1.199	0.264	0.317
	LTE Band 66/50RB#0 20M	Top Side	132072	14.79	15.60	1.205	0.222	0.268
	LTE Band 66/50RB#0 20M	Top Side	132572	14.78	15.60	1.208	0.221	0.266
Sensor off/Full Power for Ant 4								
	LTE Band 66/1RB#0 20M	Front Side	132322	24.90	25.60	1.175	0.062	0.072
	LTE Band 66/1RB#0 20M	Back Side	132322	24.90	25.60	1.175	0.543	0.638
	LTE Band 66/1RB#0 20M	Left Side	132322	24.90	25.60	1.175	0.358	0.421
	LTE Band 66/1RB#0 20M	Top Side	132322	24.90	25.60	1.175	0.031	0.037
	LTE Band 66/1RB#0 20M	Back Side	132072	24.79	25.60	1.205	0.464	0.559
	LTE Band 66/1RB#0 20M	Back Side	132572	24.81	25.60	1.199	0.410	0.492
	LTE Band 66/50RB#0 20M	Front Side	132322	23.81	24.60	1.199	0.046	0.055
	LTE Band 66/50RB#0 20M	Back Side	132322	23.81	24.60	1.199	0.402	0.482
	LTE Band 66/50RB#0 20M	Left Side	132322	23.81	24.60	1.199	0.265	0.318
	LTE Band 66/50RB#0 20M	Top Side	132322	23.81	24.60	1.199	0.023	0.028
	LTE Band 66/50RB#0 20M	Back Side	132072	23.79	24.60	1.205	0.343	0.414
	LTE Band 66/50RB#0 20M	Back Side	132572	23.78	24.60	1.208	0.303	0.366
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 66/1RB#0 20M	Front Side	132322	21.40	22.10	1.175	0.031	0.036
	LTE Band 66/1RB#0 20M	Back Side	132322	21.40	22.10	1.175	0.248	0.291
	LTE Band 66/1RB#0 20M	Left Side	132322	21.40	22.10	1.175	0.166	0.195
	LTE Band 66/1RB#0 20M	Top Side	132322	21.40	22.10	1.175	0.015	0.018
	LTE Band 66/1RB#0 20M	Back Side	132072	21.29	22.10	1.205	0.212	0.255
	LTE Band 66/1RB#0 20M	Back Side	132572	21.31	22.10	1.199	0.186	0.223
	LTE Band 66/50RB#0 20M	Front Side	132322	20.31	21.10	1.199	0.023	0.028

	LTE Band 66/50RB#0 20M	Back Side	132322	20.31	21.10	1.199	0.184	0.220
	LTE Band 66/50RB#0 20M	Left Side	132322	20.31	21.10	1.199	0.123	0.147
	LTE Band 66/50RB#0 20M	Top Side	132322	20.31	21.10	1.199	0.011	0.013
	LTE Band 66/50RB#0 20M	Back Side	132072	20.29	21.10	1.205	0.157	0.189
	LTE Band 66/50RB#0 20M	Back Side	132572	20.28	21.10	1.208	0.138	0.166
Reduced Power Level 2 for Ant 0								
	LTE Band 66/1RB#0 20M	Front Side	132322	19.90	20.60	1.175	0.275	0.323
	LTE Band 66/1RB#0 20M	Back Side	132322	19.90	20.60	1.175	0.442	0.519
	LTE Band 66/1RB#0 20M	Left Side	132322	19.90	20.60	1.175	0.069	0.081
	LTE Band 66/1RB#0 20M	Right Side	132322	19.90	20.60	1.175	0.125	0.147
	LTE Band 66/1RB#0 20M	Bottom Side	132322	19.90	20.60	1.175	0.732	0.860
	LTE Band 66/1RB#0 20M	Bottom Side	132072	19.79	20.60	1.205	0.626	0.754
	LTE Band 66/1RB#0 20M	Bottom Side	132572	19.81	20.60	1.199	0.798	0.957
	LTE Band 66/50RB#0 20M	Front Side	132322	18.81	19.60	1.199	0.206	0.247
	LTE Band 66/50RB#0 20M	Back Side	132322	18.81	19.60	1.199	0.332	0.398
	LTE Band 66/50RB#0 20M	Left Side	132322	18.81	19.60	1.199	0.052	0.062
	LTE Band 66/50RB#0 20M	Right Side	132322	18.81	19.60	1.199	0.094	0.112
	LTE Band 66/50RB#0 20M	Bottom Side	132322	18.81	19.60	1.199	0.549	0.659
	LTE Band 66/50RB#0 20M	Bottom Side	132072	18.79	19.60	1.205	0.470	0.566
	LTE Band 66/50RB#0 20M	Bottom Side	132572	18.78	19.60	1.208	0.599	0.723
	LTE Band 66/100RB#0 20M	Bottom Side	132572	18.85	19.60	1.189	0.542	0.644
Reduced Power Level 4 for Simultaneous Transmission								
	LTE Band 66/1RB#0 20M	Front Side	132322	17.40	18.10	1.175	0.155	0.182
	LTE Band 66/1RB#0 20M	Back Side	132322	17.40	18.10	1.175	0.251	0.295
	LTE Band 66/1RB#0 20M	Left Side	132322	17.40	18.10	1.175	0.041	0.048
	LTE Band 66/1RB#0 20M	Right Side	132322	17.40	18.10	1.175	0.073	0.086
	LTE Band 66/1RB#0 20M	Bottom Side	132322	17.40	18.10	1.175	0.413	0.485
	LTE Band 66/1RB#0 20M	Bottom Side	132072	17.29	18.10	1.205	0.355	0.428
	LTE Band 66/1RB#0 20M	Bottom Side	132572	17.31	18.10	1.199	0.451	0.541
	LTE Band 66/50RB#0 20M	Front Side	132322	16.31	17.10	1.199	0.116	0.139
	LTE Band 66/50RB#0 20M	Back Side	132322	16.31	17.10	1.199	0.188	0.226
	LTE Band 66/50RB#0 20M	Left Side	132322	16.31	17.10	1.199	0.031	0.037
	LTE Band 66/50RB#0 20M	Right Side	132322	16.31	17.10	1.199	0.055	0.066
	LTE Band 66/50RB#0 20M	Bottom Side	132322	16.31	17.10	1.199	0.310	0.372
	LTE Band 66/50RB#0 20M	Bottom Side	132072	16.29	17.10	1.205	0.266	0.321
	LTE Band 66/50RB#0 20M	Bottom Side	132572	16.28	17.10	1.208	0.338	0.409
Sensor off/Full Power for Ant 1								

	LTE Band 71/1RB#0 20M	Front Side	133322	24.19	24.80	1.151	0.128	0.147
	LTE Band 71/1RB#0 20M	Back Side	133322	24.19	24.80	1.151	0.189	0.218
	LTE Band 71/1RB#0 20M	Left Side	133322	24.19	24.80	1.151	0.283	0.326
	LTE Band 71/1RB#0 20M	Top Side	133322	24.19	24.80	1.151	0.121	0.139
	LTE Band 71/1RB#0 20M	Left Side	133222	24.13	24.80	1.167	0.273	0.319
60#	LTE Band 71/1RB#0 20M	Left Side	133372	24.14	24.80	1.164	0.338	0.393
	LTE Band 71/50RB#0 20M	Front Side	133322	23.23	23.80	1.140	0.093	0.107
	LTE Band 71/50RB#0 20M	Back Side	133322	23.23	23.80	1.140	0.138	0.157
	LTE Band 71/50RB#0 20M	Left Side	133322	23.23	23.80	1.140	0.207	0.236
	LTE Band 71/50RB#0 20M	Top Side	133322	23.23	23.80	1.140	0.088	0.101
	LTE Band 71/50RB#0 20M	Left Side	133222	23.20	23.80	1.148	0.199	0.229
	LTE Band 71/50RB#0 20M	Left Side	133372	23.18	23.80	1.153	0.247	0.285
Full Power for Ant 0								
	LTE Band 71/1RB#0 20M	Front Side	133322	24.19	24.80	1.151	0.168	0.193
	LTE Band 71/1RB#0 20M	Back Side	133322	24.19	24.80	1.151	0.246	0.283
	LTE Band 71/1RB#0 20M	Left Side	133322	24.19	24.80	1.151	0.239	0.275
	LTE Band 71/1RB#0 20M	Right Side	133322	24.19	24.80	1.151	0.142	0.163
	LTE Band 71/1RB#0 20M	Bottom Side	133322	24.19	24.80	1.151	0.138	0.159
	LTE Band 71/1RB#0 20M	Back Side	133222	24.13	24.80	1.167	0.168	0.196
61#	LTE Band 71/1RB#0 20M	Back Side	133372	24.14	24.80	1.164	0.247	0.288
	LTE Band 71/50RB#0 20M	Front Side	133322	23.23	23.80	1.140	0.123	0.140
	LTE Band 71/50RB#0 20M	Back Side	133322	23.23	23.80	1.140	0.180	0.205
	LTE Band 71/50RB#0 20M	Left Side	133322	23.23	23.80	1.140	0.174	0.199
	LTE Band 71/50RB#0 20M	Right Side	133322	23.23	23.80	1.140	0.104	0.118
	LTE Band 71/50RB#0 20M	Bottom Side	133322	23.23	23.80	1.140	0.101	0.115
	LTE Band 71/50RB#0 20M	Back Side	133222	23.20	23.80	1.148	0.123	0.141
	LTE Band 71/50RB#0 20M	Back Side	133372	23.18	23.80	1.153	0.180	0.208

➢ 5G NR DFT-s-QPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Reduced Power Level 2 for Ant 0								
	5G NR n2/1RB#1 20M	Front Side	376000	20.02	21.20	1.312	0.185	0.243
	5G NR n2/1RB#1 20M	Back Side	376000	20.02	21.20	1.312	0.356	0.467
	5G NR n2/1RB#1 20M	Left Side	376000	20.02	21.20	1.312	0.057	0.074
	5G NR n2/1RB#1 20M	Right Side	376000	20.02	21.20	1.312	0.088	0.115
	5G NR n2/1RB#1 20M	Bottom Side	376000	20.02	21.20	1.312	0.585	0.768
	5G NR n2/1RB#1 20M	Bottom Side	372000	19.96	21.20	1.330	0.603	0.802

	5G NR n2/1RB#1 20M	Bottom Side	380000	19.99	21.20	1.321	0.584	0.772
	5G NR n2/50RB#1 20M	Front Side	376000	19.58	20.20	1.153	0.144	0.166
	5G NR n2/50RB#1 20M	Back Side	376000	19.58	20.20	1.153	0.278	0.320
	5G NR n2/50RB#1 20M	Left Side	376000	19.58	20.20	1.153	0.044	0.051
	5G NR n2/50RB#1 20M	Right Side	376000	19.58	20.20	1.153	0.068	0.079
	5G NR n2/50RB#1 20M	Bottom Side	376000	19.58	20.20	1.153	0.456	0.526
	5G NR n2/50RB#1 20M	Bottom Side	372000	19.50	20.20	1.175	0.470	0.553
	5G NR n2/50RB#1 20M	Bottom Side	380000	19.55	20.20	1.161	0.456	0.529
	5G NR n2/100RB#1 20M	Bottom Side	376000	19.09	20.20	1.291	0.433	0.559
Reduced Power Level 4 for Simultaneous Transmission								
	5G NR n2/1RB#1 20M	Front Side	376000	18.52	19.70	1.312	0.133	0.175
	5G NR n2/1RB#1 20M	Back Side	376000	18.52	19.70	1.312	0.253	0.332
	5G NR n2/1RB#1 20M	Left Side	376000	18.52	19.70	1.312	0.042	0.055
	5G NR n2/1RB#1 20M	Right Side	376000	18.52	19.70	1.312	0.064	0.084
	5G NR n2/1RB#1 20M	Bottom Side	376000	18.52	19.70	1.312	0.414	0.543
	5G NR n2/1RB#1 20M	Bottom Side	372000	18.46	19.70	1.330	0.432	0.575
	5G NR n2/1RB#1 20M	Bottom Side	380000	18.49	19.70	1.321	0.413	0.546
	5G NR n2/50RB#1 20M	Front Side	376000	18.08	18.70	1.153	0.100	0.115
	5G NR n2/50RB#1 20M	Back Side	376000	18.08	18.70	1.153	0.190	0.219
	5G NR n2/50RB#1 20M	Left Side	376000	18.08	18.70	1.153	0.032	0.036
	5G NR n2/50RB#1 20M	Right Side	376000	18.08	18.70	1.153	0.048	0.055
	5G NR n2/50RB#1 20M	Bottom Side	376000	18.08	18.70	1.153	0.311	0.358
	5G NR n2/50RB#1 20M	Bottom Side	372000	18.00	18.70	1.175	0.324	0.381
	5G NR n2/50RB#1 20M	Bottom Side	380000	18.05	18.70	1.161	0.310	0.360
Sensor on/Reduced Power Level 2 for Ant 1								
	5G NR n2/1RB#1 20M	Front Side	376000	20.02	21.20	1.312	0.316	0.415
	5G NR n2/1RB#1 20M	Back Side	376000	20.02	21.20	1.312	0.398	0.522
	5G NR n2/1RB#1 20M	Left Side	376000	20.02	21.20	1.312	0.077	0.101
	5G NR n2/1RB#1 20M	Top Side	376000	20.02	21.20	1.312	0.776	1.018
	5G NR n2/1RB#1 20M	Top Side	372000	19.96	21.20	1.330	0.769	1.023
62#	5G NR n2/1RB#1 20M	Top Side	380000	19.99	21.20	1.321	0.821	1.085
	5G NR n2/50RB#1 20M	Front Side	376000	19.58	20.20	1.153	0.243	0.281
	5G NR n2/50RB#1 20M	Back Side	376000	19.58	20.20	1.153	0.306	0.353
	5G NR n2/50RB#1 20M	Left Side	376000	19.58	20.20	1.153	0.059	0.068
	5G NR n2/50RB#1 20M	Top Side	376000	19.58	20.20	1.153	0.598	0.689
	5G NR n2/50RB#1 20M	Top Side	372000	19.50	20.20	1.175	0.592	0.696
	5G NR n2/50RB#1 20M	Top Side	380000	19.55	20.20	1.161	0.632	0.734
	5G NR n2/100RB#1 20M	Top Side	376000	19.54	20.20	1.164	0.564	0.657

Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	5G NR n2/1RB#1 20M	Front Side	376000	17.52	18.70	1.312	0.182	0.239
	5G NR n2/1RB#1 20M	Back Side	376000	17.52	18.70	1.312	0.226	0.297
	5G NR n2/1RB#1 20M	Left Side	376000	17.52	18.70	1.312	0.046	0.060
	5G NR n2/1RB#1 20M	Top Side	376000	17.52	18.70	1.312	0.437	0.573
	5G NR n2/1RB#1 20M	Top Side	372000	17.46	18.70	1.330	0.431	0.573
	5G NR n2/1RB#1 20M	Top Side	380000	17.49	18.70	1.321	0.459	0.606
	5G NR n2/50RB#1 20M	Front Side	376000	17.08	17.70	1.153	0.137	0.157
	5G NR n2/50RB#1 20M	Back Side	376000	17.08	17.70	1.153	0.170	0.196
	5G NR n2/50RB#1 20M	Left Side	376000	17.08	17.70	1.153	0.035	0.040
	5G NR n2/50RB#1 20M	Top Side	376000	17.08	17.70	1.153	0.328	0.378
	5G NR n2/50RB#1 20M	Top Side	372000	17.00	17.70	1.175	0.323	0.380
	5G NR n2/50RB#1 20M	Top Side	380000	17.05	17.70	1.161	0.344	0.400
Sensor off/Full Power for Ant 4								
	5G NR n2/1RB#1 20M	Front Side	376000	24.02	25.20	1.312	0.165	0.217
63#	5G NR n2/1RB#1 20M	Back Side	376000	24.02	25.20	1.312	0.431	0.566
	5G NR n2/1RB#1 20M	Left Side	376000	24.02	25.20	1.312	0.247	0.324
	5G NR n2/1RB#1 20M	Top Side	376000	24.02	25.20	1.312	0.031	0.041
	5G NR n2/1RB#1 20M	Back Side	372000	23.96	25.20	1.330	0.265	0.353
	5G NR n2/1RB#1 20M	Back Side	380000	23.99	25.20	1.321	0.388	0.513
	5G NR n2/50RB#1 20M	Front Side	376000	23.58	24.20	1.153	0.135	0.156
	5G NR n2/50RB#1 20M	Back Side	376000	23.58	24.20	1.153	0.353	0.408
	5G NR n2/50RB#1 20M	Left Side	376000	23.58	24.20	1.153	0.203	0.234
	5G NR n2/50RB#1 20M	Top Side	376000	23.58	24.20	1.153	0.026	0.030
	5G NR n2/50RB#1 20M	Back Side	372000	23.50	24.20	1.175	0.217	0.255
	5G NR n2/50RB#1 20M	Back Side	380000	23.55	24.20	1.161	0.318	0.370
Full Power for Ant 0								
	5G NR n5/1RB#1 20M	Front Side	167300	24.05	25.20	1.303	0.139	0.181
	5G NR n5/1RB#1 20M	Back Side	167300	24.05	25.20	1.303	0.209	0.272
	5G NR n5/1RB#1 20M	Left Side	167300	24.05	25.20	1.303	0.143	0.186
	5G NR n5/1RB#1 20M	Right Side	167300	24.05	25.20	1.303	0.061	0.079
	5G NR n5/1RB#1 20M	Bottom Side	167300	24.05	25.20	1.303	0.215	0.280
	5G NR n5/1RB#1 20M	Bottom Side	166800	24.02	25.20	1.312	0.190	0.249
	5G NR n5/1RB#1 20M	Bottom Side	167800	23.92	25.20	1.343	0.197	0.265
	5G NR n5/50RB#1 20M	Front Side	167300	23.52	24.20	1.169	0.114	0.133
	5G NR n5/50RB#1 20M	Back Side	167300	23.52	24.20	1.169	0.171	0.200
	5G NR n5/50RB#1 20M	Left Side	167300	23.52	24.20	1.169	0.117	0.137
	5G NR n5/50RB#1 20M	Right Side	167300	23.52	24.20	1.169	0.050	0.058

	5G NR n5/50RB#1 20M	Bottom Side	167300	23.52	24.20	1.169	0.176	0.206
	5G NR n5/50RB#1 20M	Bottom Side	166800	23.41	24.20	1.199	0.156	0.187
	5G NR n5/50RB#1 20M	Bottom Side	167800	23.44	24.20	1.191	0.162	0.192
Sensor off/Full Power for Ant 1								
	5G NR n5/1RB#1 20M	Front Side	167300	24.05	25.20	1.303	0.175	0.228
	5G NR n5/1RB#1 20M	Back Side	167300	24.05	25.20	1.303	0.247	0.321
	5G NR n5/1RB#1 20M	Left Side	167300	24.05	25.20	1.303	0.098	0.128
	5G NR n5/1RB#1 20M	Top Side	167300	24.05	25.20	1.303	0.167	0.218
64#	5G NR n5/1RB#1 20M	Back Side	166800	24.02	25.20	1.312	0.326	0.428
	5G NR n5/1RB#1 20M	Back Side	167800	23.92	25.20	1.343	0.191	0.256
	5G NR n5/50RB#1 20M	Front Side	167300	23.52	24.20	1.169	0.138	0.162
	5G NR n5/50RB#1 20M	Back Side	167300	23.52	24.20	1.169	0.195	0.228
	5G NR n5/50RB#1 20M	Left Side	167300	23.52	24.20	1.169	0.078	0.091
	5G NR n5/50RB#1 20M	Top Side	167300	23.52	24.20	1.169	0.132	0.154
	5G NR n5/50RB#1 20M	Back Side	166800	23.41	24.20	1.199	0.258	0.309
	5G NR n5/50RB#1 20M	Back Side	167800	23.44	24.20	1.191	0.151	0.180
Full Power for Ant 0								
	5G NR n12/1RB#1 15M	Front Side	141500	24.04	25.20	1.306	0.155	0.202
	5G NR n12/1RB#1 15M	Back Side	141500	24.04	25.20	1.306	0.189	0.247
	5G NR n12/1RB#1 15M	Left Side	141500	24.04	25.20	1.306	0.075	0.098
	5G NR n12/1RB#1 15M	Right Side	141500	24.04	25.20	1.306	0.035	0.045
	5G NR n12/1RB#1 15M	Bottom Side	141500	24.04	25.20	1.306	0.124	0.162
	5G NR n12/1RB#1 15M	Back Side	141300	24.00	25.20	1.318	0.177	0.233
	5G NR n12/1RB#1 15M	Back Side	141700	24.01	25.20	1.315	0.208	0.274
	5G NR n12/36RB#1 15M	Front Side	141500	23.45	24.20	1.189	0.124	0.147
	5G NR n12/36RB#1 15M	Back Side	141500	23.45	24.20	1.189	0.150	0.178
	5G NR n12/36RB#1 15M	Left Side	141500	23.45	24.20	1.189	0.063	0.075
	5G NR n12/36RB#1 15M	Right Side	141500	23.45	24.20	1.189	0.028	0.034
	5G NR n12/36RB#1 15M	Bottom Side	141500	23.45	24.20	1.189	0.099	0.118
	5G NR n12/36RB#1 15M	Back Side	141300	23.39	24.20	1.205	0.146	0.176
	5G NR n12/36RB#1 15M	Back Side	141700	23.40	24.20	1.202	0.164	0.197
Sensor off/Full Power for Ant 1								
	5G NR n12/1RB#1 15M	Front Side	141500	24.04	25.20	1.306	0.139	0.182
	5G NR n12/1RB#1 15M	Back Side	141500	24.04	25.20	1.306	0.216	0.282
	5G NR n12/1RB#1 15M	Left Side	141500	24.04	25.20	1.306	0.056	0.073
	5G NR n12/1RB#1 15M	Top Side	141500	24.04	25.20	1.306	0.100	0.130
	5G NR n12/1RB#1 15M	Back Side	141300	24.00	25.20	1.318	0.200	0.264
65#	5G NR n12/1RB#1 15M	Back Side	141700	24.01	25.20	1.315	0.218	0.287

	5G NR n12/36RB#1 15M	Front Side	141500	23.45	24.20	1.189	0.114	0.135
	5G NR n12/36RB#1 15M	Back Side	141500	23.45	24.20	1.189	0.171	0.203
	5G NR n12/36RB#1 15M	Left Side	141500	23.45	24.20	1.189	0.041	0.049
	5G NR n12/36RB#1 15M	Top Side	141500	23.45	24.20	1.189	0.088	0.104
	5G NR n12/36RB#1 15M	Back Side	141300	23.39	24.20	1.205	0.140	0.169
	5G NR n12/36RB#1 15M	Back Side	141700	23.40	24.20	1.202	0.176	0.212
Reduced Power Level 2 for Ant 0								
	5G NR n25/1RB#1 40M	Front Side	376500	20.07	21.20	1.297	0.193	0.250
	5G NR n25/1RB#1 40M	Back Side	376500	20.07	21.20	1.297	0.328	0.425
	5G NR n25/1RB#1 40M	Left Side	376500	20.07	21.20	1.297	0.047	0.061
	5G NR n25/1RB#1 40M	Right Side	376500	20.07	21.20	1.297	0.083	0.107
	5G NR n25/1RB#1 40M	Bottom Side	376500	20.07	21.20	1.297	0.567	0.736
	5G NR n25/1RB#1 40M	Bottom Side	372000	20.06	21.20	1.300	0.619	0.805
	5G NR n25/1RB#1 40M	Bottom Side	381000	20.03	21.20	1.309	0.558	0.731
	5G NR n25/50RB#1 40M	Front Side	376500	19.20	20.20	1.259	0.151	0.190
	5G NR n25/50RB#1 40M	Back Side	376500	19.20	20.20	1.259	0.256	0.322
	5G NR n25/50RB#1 40M	Left Side	376500	19.20	20.20	1.259	0.036	0.046
	5G NR n25/50RB#1 40M	Right Side	376500	19.20	20.20	1.259	0.064	0.081
	5G NR n25/50RB#1 40M	Bottom Side	376500	19.20	20.20	1.259	0.442	0.557
	5G NR n25/50RB#1 40M	Bottom Side	372000	19.15	20.20	1.274	0.483	0.615
	5G NR n25/50RB#1 40M	Bottom Side	381000	19.17	20.20	1.268	0.435	0.552
Reduced Power Level 4 for Simultaneous Transmission								
	5G NR n25/1RB#1 40M	Front Side	376500	18.57	19.70	1.297	0.138	0.179
	5G NR n25/1RB#1 40M	Back Side	376500	18.57	19.70	1.297	0.232	0.301
	5G NR n25/1RB#1 40M	Left Side	376500	18.57	19.70	1.297	0.033	0.043
	5G NR n25/1RB#1 40M	Right Side	376500	18.57	19.70	1.297	0.062	0.080
	5G NR n25/1RB#1 40M	Bottom Side	376500	18.57	19.70	1.297	0.405	0.525
	5G NR n25/1RB#1 40M	Bottom Side	372000	18.56	19.70	1.300	0.443	0.576
	5G NR n25/1RB#1 40M	Bottom Side	381000	18.53	19.70	1.309	0.396	0.518
	5G NR n25/50RB#1 40M	Front Side	376500	17.70	18.70	1.259	0.104	0.130
	5G NR n25/50RB#1 40M	Back Side	376500	17.70	18.70	1.259	0.174	0.219
	5G NR n25/50RB#1 40M	Left Side	376500	17.70	18.70	1.259	0.025	0.031
	5G NR n25/50RB#1 40M	Right Side	376500	17.70	18.70	1.259	0.047	0.059
	5G NR n25/50RB#1 40M	Bottom Side	376500	17.70	18.70	1.259	0.304	0.382
	5G NR n25/50RB#1 40M	Bottom Side	372000	17.65	18.70	1.274	0.332	0.423
	5G NR n25/50RB#1 40M	Bottom Side	381000	17.67	18.70	1.268	0.297	0.376
Sensor on/Reduced Power Level 2 for Ant 1								
	5G NR n25/1RB#1 40M	Front Side	376500	19.07	20.20	1.297	0.242	0.314

	5G NR n25/1RB#1 40M	Back Side	376500	19.07	20.20	1.297	0.312	0.405
	5G NR n25/1RB#1 40M	Left Side	376500	19.07	20.20	1.297	0.065	0.084
	5G NR n25/1RB#1 40M	Top Side	376500	19.07	20.20	1.297	0.659	0.855
	5G NR n25/1RB#1 40M	Top Side	372000	19.06	20.20	1.300	0.629	0.818
66#	5G NR n25/1RB#1 40M	Top Side	381000	19.03	20.20	1.309	0.711	0.931
	5G NR n25/50RB#1 40M	Front Side	376500	18.20	19.20	1.259	0.189	0.238
	5G NR n25/50RB#1 40M	Back Side	376500	18.20	19.20	1.259	0.243	0.306
	5G NR n25/50RB#1 40M	Left Side	376500	18.20	19.20	1.259	0.051	0.064
	5G NR n25/50RB#1 40M	Top Side	376500	18.20	19.20	1.259	0.514	0.647
	5G NR n25/50RB#1 40M	Top Side	372000	18.15	19.20	1.274	0.491	0.625
	5G NR n25/50RB#1 40M	Top Side	381000	18.17	19.20	1.268	0.555	0.703
	5G NR n25/100RB#0 40M	Top Side	381000	18.12	19.20	1.282	0.602	0.772
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	5G NR n25/1RB#1 40M	Front Side	376500	24.07	25.20	1.297	0.154	0.200
	5G NR n25/1RB#1 40M	Back Side	376500	24.07	25.20	1.297	0.199	0.258
	5G NR n25/1RB#1 40M	Left Side	376500	24.07	25.20	1.297	0.042	0.054
	5G NR n25/1RB#1 40M	Top Side	376500	24.07	25.20	1.297	0.416	0.540
	5G NR n25/1RB#1 40M	Top Side	372000	24.06	25.20	1.300	0.398	0.517
	5G NR n25/1RB#1 40M	Top Side	381000	24.03	25.20	1.309	0.449	0.588
	5G NR n25/50RB#1 40M	Front Side	376500	23.20	24.20	1.259	0.119	0.149
	5G NR n25/50RB#1 40M	Back Side	376500	23.20	24.20	1.259	0.153	0.193
	5G NR n25/50RB#1 40M	Left Side	376500	23.20	24.20	1.259	0.032	0.041
	5G NR n25/50RB#1 40M	Top Side	376500	23.20	24.20	1.259	0.320	0.403
	5G NR n25/50RB#1 40M	Top Side	372000	23.15	24.20	1.274	0.306	0.390
	5G NR n25/50RB#1 40M	Top Side	381000	23.17	24.20	1.268	0.346	0.438
Sensor off/Full Power for Ant 4								
	5G NR n25/1RB#1 40M	Front Side	376500	24.07	25.20	1.297	0.051	0.066
	5G NR n25/1RB#1 40M	Back Side	376500	24.07	25.20	1.297	0.331	0.429
	5G NR n25/1RB#1 40M	Left Side	376500	24.07	25.20	1.297	0.189	0.245
	5G NR n25/1RB#1 40M	Top Side	376500	24.07	25.20	1.297	0.026	0.034
	5G NR n25/1RB#1 40M	Back Side	372000	24.06	25.20	1.300	0.318	0.413
67#	5G NR n25/1RB#1 40M	Back Side	381000	24.03	25.20	1.309	0.424	0.555
	5G NR n25/50RB#1 40M	Front Side	376500	23.20	24.20	1.259	0.042	0.053
	5G NR n25/50RB#1 40M	Back Side	376500	23.20	24.20	1.259	0.275	0.346
	5G NR n25/50RB#1 40M	Left Side	376500	23.20	24.20	1.259	0.157	0.197
	5G NR n25/50RB#1 40M	Top Side	376500	23.20	24.20	1.259	0.022	0.027
	5G NR n25/50RB#1 40M	Back Side	372000	23.15	24.20	1.274	0.264	0.336
	5G NR n25/50RB#1 40M	Back Side	381000	23.17	24.20	1.268	0.352	0.446

Reduced Power Level 2 for Ant 0 (HPUE)								
	5G NR n41/1RB#1 100M	Front Side	518598	23.42	24.30	1.225	0.335	0.410
	5G NR n41/1RB#1 100M	Back Side	518598	23.42	24.30	1.225	0.397	0.486
	5G NR n41/1RB#1 100M	Left Side	518598	23.42	24.30	1.225	0.022	0.027
	5G NR n41/1RB#1 100M	Right Side	518598	23.42	24.30	1.225	0.214	0.262
	5G NR n41/1RB#1 100M	Bottom Side	518598	23.42	24.30	1.225	0.252	0.309
	5G NR n41/1RB#1 100M	Back Side	509202	23.25	24.30	1.274	0.314	0.400
	5G NR n41/1RB#1 100M	Back Side	513900	23.16	24.30	1.300	0.300	0.390
	5G NR n41/1RB#1 100M	Back Side	523296	23.18	24.30	1.294	0.266	0.344
	5G NR n41/1RB#1 100M	Back Side	528000	23.13	24.30	1.309	0.226	0.296
	5G NR n41/135RB#1 100M	Front Side	518598	22.74	23.30	1.138	0.275	0.313
	5G NR n41/135RB#1 100M	Back Side	518598	22.74	23.30	1.138	0.326	0.370
	5G NR n41/135RB#1 100M	Left Side	518598	22.74	23.30	1.138	0.018	0.021
	5G NR n41/135RB#1 100M	Right Side	518598	22.74	23.30	1.138	0.175	0.200
	5G NR n41/135RB#1 100M	Bottom Side	518598	22.74	23.30	1.138	0.207	0.235
	5G NR n41/135RB#1 100M	Back Side	509202	22.48	23.30	1.208	0.257	0.311
	5G NR n41/135RB#1 100M	Back Side	513900	22.64	23.30	1.164	0.246	0.286
	5G NR n41/135RB#1 100M	Back Side	523296	22.60	23.30	1.175	0.218	0.256
	5G NR n41/135RB#1 100M	Back Side	528000	22.62	23.30	1.169	0.185	0.217
Sensor on/Reduced Power Level 2 for Ant 1 (HPUE)								
	5G NR n41/1RB#1 100M	Front Side	518598	19.42	20.30	1.225	0.132	0.162
	5G NR n41/1RB#1 100M	Back Side	518598	19.42	20.30	1.225	0.243	0.298
	5G NR n41/1RB#1 100M	Left Side	518598	19.42	20.30	1.225	0.208	0.255
	5G NR n41/1RB#1 100M	Top Side	518598	19.42	20.30	1.225	0.297	0.364
	5G NR n41/1RB#1 100M	Top Side	509202	19.25	20.30	1.274	0.353	0.450
	5G NR n41/1RB#1 100M	Top Side	513900	19.16	20.30	1.300	0.334	0.434
	5G NR n41/1RB#1 100M	Top Side	523296	19.18	20.30	1.294	0.304	0.393
	5G NR n41/1RB#1 100M	Top Side	528000	19.13	20.30	1.309	0.380	0.497
	5G NR n41/135RB#1 100M	Front Side	518598	18.74	19.30	1.138	0.105	0.119
	5G NR n41/135RB#1 100M	Back Side	518598	18.74	19.30	1.138	0.180	0.205
	5G NR n41/135RB#1 100M	Left Side	518598	18.74	19.30	1.138	0.166	0.189
	5G NR n41/135RB#1 100M	Top Side	518598	18.74	19.30	1.138	0.236	0.268
	5G NR n41/135RB#1 100M	Top Side	509202	18.48	19.30	1.208	0.224	0.271
	5G NR n41/135RB#1 100M	Top Side	513900	18.64	19.30	1.164	0.272	0.317
	5G NR n41/135RB#1 100M	Top Side	523296	18.60	19.30	1.175	0.232	0.273
	5G NR n41/135RB#1 100M	Top Side	528000	18.62	19.30	1.169	0.294	0.344

Sensor off/Full Power for Ant 4 (HPUE)								
	5G NR n41/1RB#1 100M	Front Side	518598	25.92	26.80	1.225	0.125	0.153
	5G NR n41/1RB#1 100M	Back Side	518598	25.92	26.80	1.225	0.417	0.511
	5G NR n41/1RB#1 100M	Left Side	518598	25.92	26.80	1.225	0.230	0.282
	5G NR n41/1RB#1 100M	Top Side	518598	25.92	26.80	1.225	0.159	0.195
	5G NR n41/1RB#1 100M	Back Side	509202	25.75	26.80	1.274	0.285	0.363
68#	5G NR n41/1RB#1 100M	Back Side	513900	25.66	26.80	1.300	0.449	0.584
	5G NR n41/1RB#1 100M	Back Side	523296	25.68	26.80	1.294	0.433	0.560
	5G NR n41/1RB#1 100M	Back Side	528000	25.63	26.80	1.309	0.388	0.508
	5G NR n41/135RB#1 100M	Front Side	518598	22.18	23.20	1.265	0.095	0.120
	5G NR n41/135RB#1 100M	Back Side	518598	22.18	23.20	1.265	0.317	0.401
	5G NR n41/135RB#1 100M	Left Side	518598	22.18	23.20	1.265	0.175	0.221
	5G NR n41/135RB#1 100M	Top Side	518598	22.18	23.20	1.265	0.121	0.153
	5G NR n41/135RB#1 100M	Back Side	509202	22.10	23.20	1.288	0.217	0.279
	5G NR n41/135RB#1 100M	Back Side	513900	22.14	23.20	1.276	0.341	0.436
	5G NR n41/135RB#1 100M	Back Side	523296	22.08	23.20	1.294	0.329	0.426
	5G NR n41/135RB#1 100M	Back Side	528000	22.09	23.20	1.291	0.295	0.381
Full Power for Ant 0								
	5G NR n41/1RB#1 100M	Front Side	518598	23.32	24.20	1.225	0.193	0.236
	5G NR n41/1RB#1 100M	Back Side	518598	23.32	24.20	1.225	0.434	0.531
	5G NR n41/1RB#1 100M	Left Side	518598	23.32	24.20	1.225	0.096	0.118
	5G NR n41/1RB#1 100M	Right Side	518598	23.32	24.20	1.225	0.233	0.285
	5G NR n41/1RB#1 100M	Bottom Side	518598	23.32	24.20	1.225	0.129	0.157
	5G NR n41/1RB#1 100M	Back Side	509202	23.17	24.20	1.268	0.297	0.377
	5G NR n41/1RB#1 100M	Back Side	513900	23.20	24.20	1.259	0.394	0.496
	5G NR n41/1RB#1 100M	Back Side	523296	23.28	24.20	1.236	0.310	0.383
	5G NR n41/1RB#1 100M	Back Side	528000	23.24	24.20	1.247	0.338	0.421
	5G NR n41/135RB#1 100M	Front Side	518598	22.18	23.20	1.265	0.332	0.420
	5G NR n41/135RB#1 100M	Back Side	518598	22.18	23.20	1.265	0.387	0.489
	5G NR n41/135RB#1 100M	Left Side	518598	22.18	23.20	1.265	0.066	0.084
	5G NR n41/135RB#1 100M	Right Side	518598	22.18	23.20	1.265	0.160	0.203
	5G NR n41/135RB#1 100M	Bottom Side	518598	22.18	23.20	1.265	0.088	0.112
	5G NR n41/135RB#1 100M	Back Side	509202	22.10	23.20	1.288	0.205	0.264
	5G NR n41/135RB#1 100M	Back Side	513900	22.14	23.20	1.276	0.299	0.381
	5G NR n41/135RB#1 100M	Back Side	523296	22.08	23.20	1.294	0.282	0.365
	5G NR n41/135RB#1 100M	Back Side	528000	22.09	23.20	1.291	0.232	0.300
Sensor on/Reduced Power Level 2 for Ant 1								

	5G NR n41/1RB#1 100M	Front Side	518598	18.82	19.70	1.225	0.119	0.145
	5G NR n41/1RB#1 100M	Back Side	518598	18.82	19.70	1.225	0.219	0.268
	5G NR n41/1RB#1 100M	Left Side	518598	18.82	19.70	1.225	0.187	0.229
	5G NR n41/1RB#1 100M	Top Side	518598	18.82	19.70	1.225	0.267	0.327
	5G NR n41/1RB#1 100M	Back Side	509202	18.67	19.70	1.268	0.318	0.403
	5G NR n41/1RB#1 100M	Back Side	513900	18.70	19.70	1.259	0.301	0.378
	5G NR n41/1RB#1 100M	Back Side	523296	18.78	19.70	1.236	0.274	0.338
	5G NR n41/1RB#1 100M	Back Side	528000	18.74	19.70	1.247	0.342	0.427
	5G NR n41/135RB#1 100M	Front Side	518598	17.68	18.70	1.265	0.095	0.120
	5G NR n41/135RB#1 100M	Back Side	518598	17.68	18.70	1.265	0.162	0.205
	5G NR n41/135RB#1 100M	Left Side	518598	17.68	18.70	1.265	0.149	0.189
	5G NR n41/135RB#1 100M	Top Side	518598	17.68	18.70	1.265	0.212	0.269
	5G NR n41/135RB#1 100M	Back Side	509202	17.60	18.70	1.288	0.202	0.260
	5G NR n41/135RB#1 100M	Back Side	513900	17.64	18.70	1.276	0.245	0.312
	5G NR n41/135RB#1 100M	Back Side	523296	17.58	18.70	1.294	0.209	0.270
	5G NR n41/135RB#1 100M	Back Side	528000	17.59	18.70	1.291	0.265	0.342
Sensor off/Full Power for Ant 4								
	5G NR n41/1RB#1 100M	Front Side	518598	23.32	24.20	1.225	0.048	0.059
	5G NR n41/1RB#1 100M	Back Side	518598	23.32	24.20	1.225	0.225	0.276
	5G NR n41/1RB#1 100M	Left Side	518598	23.32	24.20	1.225	0.106	0.130
	5G NR n41/1RB#1 100M	Right Side	518598	23.32	24.20	1.225	0.002	0.002
	5G NR n41/1RB#1 100M	Top Side	518598	23.32	24.20	1.225	0.019	0.024
	5G NR n41/1RB#1 100M	Back Side	509202	23.17	24.20	1.268	0.131	0.166
	5G NR n41/1RB#1 100M	Back Side	513900	23.20	24.20	1.259	0.181	0.227
	5G NR n41/1RB#1 100M	Back Side	523296	23.28	24.20	1.236	0.167	0.206
	5G NR n41/1RB#1 100M	Back Side	528000	23.24	24.20	1.247	0.198	0.248
	5G NR n41/135RB#1 100M	Front Side	518598	22.18	23.20	1.265	0.037	0.047
	5G NR n41/135RB#1 100M	Back Side	518598	22.18	23.20	1.265	0.176	0.222
	5G NR n41/135RB#1 100M	Left Side	518598	22.18	23.20	1.265	0.083	0.105
	5G NR n41/135RB#1 100M	Right Side	518598	22.18	23.20	1.265	0.001	0.002
	5G NR n41/135RB#1 100M	Top Side	518598	22.18	23.20	1.265	0.015	0.019
	5G NR n41/135RB#1 100M	Back Side	509202	22.10	23.20	1.288	0.102	0.132
	5G NR n41/135RB#1 100M	Back Side	513900	22.14	23.20	1.276	0.141	0.180
	5G NR n41/135RB#1 100M	Back Side	523296	22.08	23.20	1.294	0.130	0.168
	5G NR n41/135RB#1 100M	Back Side	528000	22.09	23.20	1.291	0.155	0.200
Reduced Power Level 2 for Ant 0								
	5G NR n66/1RB#1 20M	Front Side	349000	24.27	25.20	1.239	0.283	0.351
	5G NR n66/1RB#1 20M	Back Side	349000	24.27	25.20	1.239	0.462	0.572

	5G NR n66/1RB#1 20M	Left Side	349000	24.27	25.20	1.239	0.050	0.062
	5G NR n66/1RB#1 20M	Right Side	349000	24.27	25.20	1.239	0.147	0.182
	5G NR n66/1RB#1 20M	Bottom Side	349000	24.27	25.20	1.239	0.456	0.565
	5G NR n66/1RB#1 20M	Back Side	346000	24.21	25.20	1.256	0.331	0.416
	5G NR n66/1RB#1 20M	Back Side	352000	24.24	25.20	1.247	0.342	0.427
	5G NR n66/53RB#1 20M	Front Side	349000	23.49	24.20	1.178	0.224	0.264
	5G NR n66/53RB#1 20M	Back Side	349000	23.49	24.20	1.178	0.365	0.430
	5G NR n66/53RB#1 20M	Left Side	349000	23.49	24.20	1.178	0.040	0.047
	5G NR n66/53RB#1 20M	Right Side	349000	23.49	24.20	1.178	0.116	0.137
	5G NR n66/53RB#1 20M	Bottom Side	349000	23.49	24.20	1.178	0.360	0.424
	5G NR n66/53RB#1 20M	Back Side	346000	23.34	24.20	1.219	0.262	0.319
	5G NR n66/53RB#1 20M	Back Side	352000	23.46	24.20	1.186	0.270	0.320
Sensor on/Reduced Power Level 2 for Ant 1								
	5G NR n66/1RB#1 20M	Front Side	349000	20.27	21.20	1.239	0.492	0.610
69#	5G NR n66/1RB#1 20M	Back Side	349000	20.27	21.20	1.239	0.569	0.705
	5G NR n66/1RB#1 20M	Left Side	349000	20.27	21.20	1.239	0.129	0.160
	5G NR n66/1RB#1 20M	Right Side	349000	20.27	21.20	1.239	0.038	0.047
70#	5G NR n66/1RB#1 20M	Top Side	349000	20.27	21.20	1.239	0.756	0.937
	5G NR n66/1RB#1 20M	Top Side	346000	20.21	21.20	1.256	0.567	0.712
	5G NR n66/1RB#1 20M	Top Side	352000	20.24	21.20	1.247	0.573	0.715
	5G NR n66/53RB#1 20M	Front Side	349000	19.49	20.20	1.178	0.384	0.452
	5G NR n66/53RB#1 20M	Back Side	349000	19.49	20.20	1.178	0.444	0.523
	5G NR n66/53RB#1 20M	Left Side	349000	19.49	20.20	1.178	0.101	0.119
	5G NR n66/53RB#1 20M	Right Side	349000	19.49	20.20	1.178	0.029	0.035
	5G NR n66/53RB#1 20M	Top Side	349000	19.49	20.20	1.178	0.590	0.694
	5G NR n66/53RB#1 20M	Top Side	346000	19.34	20.20	1.219	0.442	0.539
	5G NR n66/53RB#1 20M	Top Side	352000	19.46	20.20	1.186	0.447	0.530
	5G NR n66/106RB#1 20M	Top Side	349000	19.29	20.20	1.233	0.556	0.686
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	5G NR n66/1RB#1 20M	Front Side	349000	18.27	19.20	1.239	0.312	0.387
	5G NR n66/1RB#1 20M	Back Side	349000	18.27	19.20	1.239	0.362	0.448
	5G NR n66/1RB#1 20M	Left Side	349000	18.27	19.20	1.239	0.084	0.104
	5G NR n66/1RB#1 20M	Top Side	349000	18.27	19.20	1.239	0.477	0.591
	5G NR n66/1RB#1 20M	Top Side	346000	18.21	19.20	1.256	0.357	0.448
	5G NR n66/1RB#1 20M	Top Side	352000	18.24	19.20	1.247	0.362	0.452
	5G NR n66/53RB#1 20M	Front Side	349000	17.49	18.20	1.178	0.234	0.276
	5G NR n66/53RB#1 20M	Back Side	349000	17.49	18.20	1.178	0.272	0.320
	5G NR n66/53RB#1 20M	Left Side	349000	17.49	18.20	1.178	0.063	0.074

	5G NR n66/53RB#1 20M	Top Side	349000	17.49	18.20	1.178	0.358	0.421
	5G NR n66/53RB#1 20M	Top Side	346000	17.34	18.20	1.219	0.268	0.326
	5G NR n66/53RB#1 20M	Top Side	352000	17.46	18.20	1.186	0.272	0.322
Sensor off/Full Power for Ant 4								
	5G NR n66/1RB#1 20M	Front Side	349000	24.27	25.20	1.239	0.041	0.050
	5G NR n66/1RB#1 20M	Back Side	349000	24.27	25.20	1.239	0.220	0.273
	5G NR n66/1RB#1 20M	Left Side	349000	24.27	25.20	1.239	0.103	0.128
	5G NR n66/1RB#1 20M	Top Side	349000	24.27	25.20	1.239	0.031	0.038
	5G NR n66/1RB#1 20M	Back Side	346000	24.21	25.20	1.256	0.245	0.308
	5G NR n66/1RB#1 20M	Back Side	352000	24.24	25.20	1.247	0.272	0.339
	5G NR n66/53RB#1 20M	Front Side	349000	23.49	24.20	1.178	0.032	0.037
	5G NR n66/53RB#1 20M	Back Side	349000	23.49	24.20	1.178	0.172	0.202
	5G NR n66/53RB#1 20M	Left Side	349000	23.49	24.20	1.178	0.080	0.095
	5G NR n66/53RB#1 20M	Top Side	349000	23.49	24.20	1.178	0.024	0.028
	5G NR n66/53RB#1 20M	Back Side	346000	23.34	24.20	1.219	0.191	0.233
	5G NR n66/53RB#1 20M	Back Side	352000	23.46	24.20	1.186	0.212	0.252
Full Power for Ant 0								
	5G NR n71/1RB#1 20M	Front Side	136100	24.28	25.20	1.236	0.072	0.089
	5G NR n71/1RB#1 20M	Back Side	136100	24.28	25.20	1.236	0.116	0.143
	5G NR n71/1RB#1 20M	Left Side	136100	24.28	25.20	1.236	0.109	0.135
	5G NR n71/1RB#1 20M	Right Side	136100	24.28	25.20	1.236	0.058	0.072
	5G NR n71/1RB#1 20M	Bottom Side	136100	24.28	25.20	1.236	0.045	0.056
	5G NR n71/1RB#1 20M	Back Side	134600	24.25	25.20	1.245	0.084	0.105
	5G NR n71/1RB#1 20M	Back Side	137600	24.22	25.20	1.253	0.074	0.092
	5G NR n71/50RB#1 20M	Front Side	136100	23.60	24.20	1.148	0.059	0.068
	5G NR n71/50RB#1 20M	Back Side	136100	23.60	24.20	1.148	0.095	0.109
	5G NR n71/50RB#1 20M	Left Side	136100	23.60	24.20	1.148	0.090	0.103
	5G NR n71/50RB#1 20M	Right Side	136100	23.60	24.20	1.148	0.048	0.055
	5G NR n71/50RB#1 20M	Bottom Side	136100	23.60	24.20	1.148	0.037	0.043
	5G NR n71/50RB#1 20M	Back Side	134600	23.56	24.20	1.159	0.069	0.080
	5G NR n71/50RB#1 20M	Back Side	137600	23.52	24.20	1.169	0.060	0.070
Sensor off/Full Power for Ant 1								
	5G NR n71/1RB#1 20M	Front Side	136100	24.28	25.20	1.236	0.159	0.197
71#	5G NR n71/1RB#1 20M	Back Side	136100	24.28	25.20	1.236	0.204	0.252
	5G NR n71/1RB#1 20M	Left Side	136100	24.28	25.20	1.236	0.194	0.240
	5G NR n71/1RB#1 20M	Right Side	136100	24.28	25.20	1.236	0.149	0.184
	5G NR n71/1RB#1 20M	Top Side	136100	24.28	25.20	1.236	0.044	0.055
	5G NR n71/1RB#1 20M	Back Side	134600	24.25	25.20	1.245	0.182	0.226

	5G NR n71/1RB#1 20M	Back Side	137600	24.22	25.20	1.253	0.187	0.234
	5G NR n71/50RB#1 20M	Front Side	136100	23.60	24.20	1.148	0.129	0.148
	5G NR n71/50RB#1 20M	Back Side	136100	23.60	24.20	1.148	0.165	0.190
	5G NR n71/50RB#1 20M	Left Side	136100	23.60	24.20	1.148	0.157	0.180
	5G NR n71/50RB#1 20M	Right Side	136100	23.60	24.20	1.148	0.121	0.138
	5G NR n71/50RB#1 20M	Top Side	136100	23.60	24.20	1.148	0.036	0.041
	5G NR n71/50RB#1 20M	Back Side	134600	23.56	24.20	1.159	0.147	0.170
	5G NR n71/50RB#1 20M	Back Side	137600	23.52	24.20	1.169	0.151	0.177
Full Power for Ant 3 (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	633334	25.73	26.70	1.250	0.321	0.402
72#	5G NR n77/1RB#1 100M	Back Side	633334	25.73	26.70	1.250	0.546	0.683
73#	5G NR n77/1RB#1 100M	Right Side	633334	25.73	26.70	1.250	0.871	1.089
	5G NR n77/1RB#1 100M	Top Side	633334	25.73	26.70	1.250	0.108	0.135
	5G NR n77/135RB#1 100M	Front Side	633334	24.89	25.70	1.205	0.247	0.298
	5G NR n77/135RB#1 100M	Back Side	633334	24.89	25.70	1.205	0.420	0.507
	5G NR n77/135RB#1 100M	Right Side	633334	24.89	25.70	1.205	0.671	0.808
	5G NR n77/135RB#1 100M	Top Side	633334	24.89	25.70	1.205	0.061	0.073
	5G NR n77/270RB#1 100M	Right Side	633334	24.69	25.70	1.262	0.665	0.839
Reduced Power Level 4 for Simultaneous Transmission (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	633334	22.73	23.70	1.250	0.180	0.225
	5G NR n77/1RB#1 100M	Back Side	633334	22.73	23.70	1.250	0.308	0.385
	5G NR n77/1RB#1 100M	Right Side	633334	22.73	23.70	1.250	0.489	0.611
	5G NR n77/1RB#1 100M	Top Side	633334	22.73	23.70	1.250	0.060	0.075
	5G NR n77/135RB#1 100M	Front Side	633334	21.89	22.70	1.205	0.133	0.161
	5G NR n77/135RB#1 100M	Back Side	633334	21.89	22.70	1.205	0.228	0.275
	5G NR n77/135RB#1 100M	Right Side	633334	21.89	22.70	1.205	0.362	0.436
	5G NR n77/135RB#1 100M	Top Side	633334	21.89	22.70	1.205	0.044	0.054
Sensor on/Reduced Power Level 2 for Ant 4 (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	633334	17.73	18.70	1.250	0.075	0.094
	5G NR n77/1RB#1 100M	Back Side	633334	17.73	18.70	1.250	0.450	0.563
	5G NR n77/1RB#1 100M	Left Side	633334	17.73	18.70	1.250	0.434	0.542
	5G NR n77/1RB#1 100M	Top Side	633334	17.73	18.70	1.250	0.029	0.037
	5G NR n77/135RB#1 100M	Front Side	633334	16.89	17.70	1.205	0.059	0.071
	5G NR n77/135RB#1 100M	Back Side	633334	16.89	17.70	1.205	0.372	0.449
	5G NR n77/135RB#1 100M	Left Side	633334	16.89	17.70	1.205	0.343	0.413

	5G NR n77/135RB#1 100M	Top Side	633334	16.89	17.70	1.205	0.023	0.028
Full Power for Ant 5 (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	633334	25.73	26.70	1.250	0.134	0.168
	5G NR n77/1RB#1 100M	Back Side	633334	25.73	26.70	1.250	0.219	0.274
	5G NR n77/1RB#1 100M	Left Side	633334	25.73	26.70	1.250	0.410	0.513
	5G NR n77/1RB#1 100M	Bottom Side	633334	25.73	26.70	1.250	0.070	0.088
	5G NR n77/135RB#1 100M	Front Side	633334	24.89	25.70	1.205	0.105	0.127
	5G NR n77/135RB#1 100M	Back Side	633334	24.89	25.70	1.205	0.171	0.206
	5G NR n77/135RB#1 100M	Left Side	633334	24.89	25.70	1.205	0.318	0.383
	5G NR n77/135RB#1 100M	Bottom Side	633334	24.89	25.70	1.205	0.056	0.067
Full Power for Ant 6 (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	633334	25.73	26.70	1.250	0.160	0.200
	5G NR n77/1RB#1 100M	Back Side	633334	25.73	26.70	1.250	0.233	0.291
	5G NR n77/1RB#1 100M	Right Side	633334	25.73	26.70	1.250	0.045	0.056
	5G NR n77/1RB#1 100M	Top Side	633334	25.73	26.70	1.250	0.166	0.208
	5G NR n77/135RB#1 100M	Front Side	633334	24.89	25.70	1.205	0.124	0.149
	5G NR n77/135RB#1 100M	Back Side	633334	24.89	25.70	1.205	0.184	0.222
	5G NR n77/135RB#1 100M	Right Side	633334	24.89	25.70	1.205	0.036	0.043
	5G NR n77/135RB#1 100M	Top Side	633334	24.89	25.70	1.205	0.132	0.159
Reduced Power Level 2 for Ant 3 (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	656000	18.88	19.70	1.208	0.264	0.319
	5G NR n77/1RB#1 100M	Back Side	656000	18.88	19.70	1.208	0.466	0.563
	5G NR n77/1RB#1 100M	Right Side	656000	18.88	19.70	1.208	0.722	0.872
	5G NR n77/1RB#1 100M	Top Side	656000	18.88	19.70	1.208	0.106	0.128
	5G NR n77/1RB#1 100M	Right Side	650000	18.79	19.70	1.233	0.718	0.885
	5G NR n77/1RB#1 100M	Right Side	653000	18.71	19.70	1.256	0.857	1.076
	5G NR n77/1RB#1 100M	Right Side	659000	18.75	19.70	1.245	0.652	0.811
	5G NR n77/1RB#1 100M	Right Side	662000	18.80	19.70	1.230	0.790	0.972
	5G NR n77/135RB#1 100M	Front Side	656000	17.79	18.70	1.233	0.220	0.271
	5G NR n77/135RB#1 100M	Back Side	656000	17.79	18.70	1.233	0.378	0.466
	5G NR n77/135RB#1 100M	Right Side	656000	17.79	18.70	1.233	0.576	0.710
	5G NR n77/135RB#1 100M	Top Side	656000	17.79	18.70	1.233	0.028	0.035
	5G NR n77/135RB#1 100M	Right Side	650000	17.65	18.70	1.274	0.574	0.731
	5G NR n77/135RB#1 100M	Right Side	653000	17.61	18.70	1.285	0.686	0.882
	5G NR n77/135RB#1 100M	Right Side	659000	17.73	18.70	1.250	0.556	0.695

	5G NR n77/135RB#1 100M	Right Side	662000	17.68	18.70	1.265	0.520	0.658
	5G NR n77/270RB#0 100M	Right Side	650000	17.57	18.70	1.297	0.537	0.697
Reduced Power Level 4 for Simultaneous Transmission (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	656000	16.38	17.20	1.208	0.151	0.182
	5G NR n77/1RB#1 100M	Back Side	656000	16.38	17.20	1.208	0.263	0.318
	5G NR n77/1RB#1 100M	Right Side	656000	16.38	17.20	1.208	0.408	0.493
	5G NR n77/1RB#1 100M	Top Side	656000	16.38	17.20	1.208	0.062	0.075
	5G NR n77/1RB#1 100M	Right Side	650000	16.29	17.20	1.233	0.406	0.501
	5G NR n77/1RB#1 100M	Right Side	653000	16.21	17.20	1.256	0.485	0.609
	5G NR n77/1RB#1 100M	Right Side	659000	16.25	17.20	1.245	0.369	0.459
	5G NR n77/1RB#1 100M	Right Side	662000	16.30	17.20	1.230	0.448	0.551
	5G NR n77/135RB#1 100M	Front Side	656000	15.29	16.20	1.233	0.113	0.140
	5G NR n77/135RB#1 100M	Back Side	656000	15.29	16.20	1.233	0.197	0.243
	5G NR n77/135RB#1 100M	Right Side	656000	15.29	16.20	1.233	0.306	0.377
	5G NR n77/135RB#1 100M	Top Side	656000	15.29	16.20	1.233	0.047	0.057
	5G NR n77/135RB#1 100M	Right Side	650000	15.15	16.20	1.274	0.305	0.388
	5G NR n77/135RB#1 100M	Right Side	653000	15.11	16.20	1.285	0.364	0.468
	5G NR n77/135RB#1 100M	Right Side	659000	15.23	16.20	1.250	0.277	0.346
	5G NR n77/135RB#1 100M	Right Side	662000	15.18	16.20	1.265	0.336	0.425
Sensor on/Reduced Power Level 2 for Ant 4 (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	656000	17.88	18.70	1.208	0.146	0.176
	5G NR n77/1RB#1 100M	Back Side	656000	17.88	18.70	1.208	0.374	0.452
	5G NR n77/1RB#1 100M	Left Side	656000	17.88	18.70	1.208	0.248	0.299
	5G NR n77/1RB#1 100M	Top Side	656000	17.88	18.70	1.208	0.092	0.112
	5G NR n77/1RB#1 100M	Back Side	650000	17.79	18.70	1.233	0.206	0.253
	5G NR n77/1RB#1 100M	Back Side	653000	17.71	18.70	1.256	0.412	0.517
	5G NR n77/1RB#1 100M	Back Side	659000	17.75	18.70	1.245	0.393	0.490
	5G NR n77/1RB#1 100M	Back Side	662000	17.80	18.70	1.230	0.346	0.426
	5G NR n77/135RB#1 100M	Front Side	656000	16.79	17.70	1.233	0.039	0.048
	5G NR n77/135RB#1 100M	Back Side	656000	16.79	17.70	1.233	0.318	0.392
	5G NR n77/135RB#1 100M	Left Side	656000	16.79	17.70	1.233	0.211	0.260
	5G NR n77/135RB#1 100M	Top Side	656000	16.79	17.70	1.233	0.010	0.013
	5G NR n77/135RB#1 100M	Back Side	650000	16.65	17.70	1.274	0.175	0.222
	5G NR n77/135RB#1 100M	Back Side	653000	16.61	17.70	1.285	0.350	0.450
	5G NR n77/135RB#1 100M	Back Side	659000	16.73	17.70	1.250	0.334	0.418
	5G NR n77/135RB#1 100M	Back Side	662000	16.68	17.70	1.265	0.294	0.372

Reduced Power Level 2 for Ant 5 (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	656000	21.88	22.70	1.208	0.178	0.215
	5G NR n77/1RB#1 100M	Back Side	656000	21.88	22.70	1.208	0.414	0.501
	5G NR n77/1RB#1 100M	Left Side	656000	21.88	22.70	1.208	0.334	0.403
	5G NR n77/1RB#1 100M	Bottom Side	656000	21.88	22.70	1.208	0.086	0.104
	5G NR n77/1RB#1 100M	Back Side	650000	21.79	22.70	1.233	0.246	0.303
	5G NR n77/1RB#1 100M	Back Side	653000	21.71	22.70	1.256	0.500	0.628
	5G NR n77/1RB#1 100M	Back Side	659000	21.75	22.70	1.245	0.475	0.591
	5G NR n77/1RB#1 100M	Back Side	662000	21.80	22.70	1.230	0.342	0.421
	5G NR n77/135RB#1 100M	Front Side	656000	20.79	21.70	1.233	0.140	0.172
	5G NR n77/135RB#1 100M	Back Side	656000	20.79	21.70	1.233	0.372	0.458
	5G NR n77/135RB#1 100M	Left Side	656000	20.79	21.70	1.233	0.264	0.326
	5G NR n77/135RB#1 100M	Bottom Side	656000	20.79	21.70	1.233	0.067	0.083
	5G NR n77/135RB#1 100M	Back Side	650000	20.65	21.70	1.274	0.192	0.244
	5G NR n77/135RB#1 100M	Back Side	653000	20.61	21.70	1.285	0.393	0.505
	5G NR n77/135RB#1 100M	Back Side	659000	20.73	21.70	1.250	0.376	0.470
	5G NR n77/135RB#1 100M	Back Side	662000	20.68	21.70	1.265	0.267	0.337
Full Power for Ant 6 (HPUE)								
	5G NR n77/1RB#1 100M	Front Side	656000	25.88	26.70	1.208	0.452	0.546
	5G NR n77/1RB#1 100M	Back Side	656000	25.88	26.70	1.208	0.468	0.565
	5G NR n77/1RB#1 100M	Right Side	656000	25.88	26.70	1.208	0.080	0.097
	5G NR n77/1RB#1 100M	Top Side	656000	25.88	26.70	1.208	0.428	0.517
	5G NR n77/1RB#1 100M	Back Side	650000	25.79	26.70	1.233	0.448	0.552
	5G NR n77/1RB#1 100M	Back Side	653000	25.71	26.70	1.256	0.498	0.626
	5G NR n77/1RB#1 100M	Back Side	659000	25.75	26.70	1.245	0.407	0.507
	5G NR n77/1RB#1 100M	Back Side	662000	25.80	26.70	1.230	0.372	0.458
	5G NR n77/135RB#1 100M	Front Side	656000	24.79	25.70	1.233	0.376	0.464
	5G NR n77/135RB#1 100M	Back Side	656000	24.79	25.70	1.233	0.388	0.478
	5G NR n77/135RB#1 100M	Right Side	656000	24.79	25.70	1.233	0.066	0.081
	5G NR n77/135RB#1 100M	Top Side	656000	24.79	25.70	1.233	0.351	0.433
	5G NR n77/135RB#1 100M	Back Side	650000	24.65	25.70	1.274	0.368	0.468
	5G NR n77/135RB#1 100M	Back Side	653000	24.61	25.70	1.285	0.409	0.525
	5G NR n77/135RB#1 100M	Back Side	659000	24.73	25.70	1.250	0.337	0.422
	5G NR n77/135RB#1 100M	Back Side	662000	24.68	25.70	1.265	0.305	0.386
Full Power for Ant 3								
	5G NR n77/1RB#1 100M	Front Side	633334	23.38	24.20	1.208	0.100	0.120

	5G NR n77/1RB#1 100M	Back Side	633334	23.38	24.20	1.208	0.169	0.204
	5G NR n77/1RB#1 100M	Right Side	633334	23.38	24.20	1.208	0.708	0.855
	5G NR n77/1RB#1 100M	Top Side	633334	23.38	24.20	1.208	0.094	0.114
	5G NR n77/135RB#1 100M	Front Side	633334	22.22	23.20	1.253	0.078	0.098
	5G NR n77/135RB#1 100M	Back Side	633334	22.22	23.20	1.253	0.136	0.170
	5G NR n77/135RB#1 100M	Right Side	633334	22.22	23.20	1.253	0.564	0.707
	5G NR n77/135RB#1 100M	Top Side	633334	22.22	23.20	1.253	0.062	0.078
	5G NR n77/270RB#0 100M	Right Side	633334	22.19	23.20	1.262	0.537	0.678
Reduced Power Level 4 for Simultaneous Transmission								
	5G NR n77/1RB#1 100M	Front Side	633334	21.38	22.20	1.208	0.065	0.079
	5G NR n77/1RB#1 100M	Back Side	633334	21.38	22.20	1.208	0.105	0.127
	5G NR n77/1RB#1 100M	Right Side	633334	21.38	22.20	1.208	0.447	0.540
	5G NR n77/1RB#1 100M	Top Side	633334	21.38	22.20	1.208	0.062	0.075
	5G NR n77/135RB#1 100M	Front Side	633334	20.22	21.20	1.253	0.065	0.081
	5G NR n77/135RB#1 100M	Back Side	633334	20.22	21.20	1.253	0.105	0.132
	5G NR n77/135RB#1 100M	Left Side	633334	20.22	21.20	1.253	0.447	0.560
	5G NR n77/135RB#1 100M	Top Side	633334	20.22	21.20	1.253	0.062	0.078
Sensor on/Reduced Power Level 2 for Ant 4								
	5G NR n77/1RB#1 100M	Front Side	633334	17.88	18.70	1.208	0.284	0.343
	5G NR n77/1RB#1 100M	Back Side	633334	17.88	18.70	1.208	0.392	0.473
	5G NR n77/1RB#1 100M	Left Side	633334	17.88	18.70	1.208	0.223	0.269
	5G NR n77/1RB#1 100M	Top Side	633334	17.88	18.70	1.208	0.085	0.103
	5G NR n77/135RB#1 100M	Front Side	633334	16.72	17.70	1.253	0.227	0.285
	5G NR n77/135RB#1 100M	Back Side	633334	16.72	17.70	1.253	0.314	0.393
	5G NR n77/135RB#1 100M	Left Side	633334	16.72	17.70	1.253	0.178	0.223
	5G NR n77/135RB#1 100M	Top Side	633334	16.72	17.70	1.253	0.068	0.085
Reduced Power Level 2 for Ant 5								
	5G NR n77/1RB#1 100M	Front Side	633334	21.88	22.70	1.208	0.080	0.097
	5G NR n77/1RB#1 100M	Back Side	633334	21.88	22.70	1.208	0.212	0.257
	5G NR n77/1RB#1 100M	Left Side	633334	21.88	22.70	1.208	0.132	0.160
	5G NR n77/1RB#1 100M	Bottom Side	633334	21.88	22.70	1.208	0.042	0.051
	5G NR n77/135RB#1 100M	Front Side	633334	20.72	21.70	1.253	0.063	0.079
	5G NR n77/135RB#1 100M	Back Side	633334	20.72	21.70	1.253	0.162	0.203
	5G NR n77/135RB#1 100M	Left Side	633334	20.72	21.70	1.253	0.109	0.137
	5G NR n77/135RB#1 100M	Bottom Side	633334	20.72	21.70	1.253	0.036	0.045
Full Power for Ant 6								
	5G NR n77/1RB#1 100M	Front Side	633334	23.38	24.20	1.208	0.140	0.169
	5G NR n77/1RB#1 100M	Back Side	633334	23.38	24.20	1.208	0.096	0.116

	5G NR n77/1RB#1 100M	Right Side	633334	23.38	24.20	1.208	0.027	0.033
	5G NR n77/1RB#1 100M	Top Side	633334	23.38	24.20	1.208	0.112	0.135
	5G NR n77/135RB#1 100M	Front Side	633334	22.22	23.20	1.253	0.114	0.143
	5G NR n77/135RB#1 100M	Back Side	633334	22.22	23.20	1.253	0.077	0.096
	5G NR n77/135RB#1 100M	Right Side	633334	22.22	23.20	1.253	0.022	0.027
	5G NR n77/135RB#1 100M	Top Side	633334	22.22	23.20	1.253	0.089	0.112
Reduced Power Level 2 for Ant 3								
	5G NR n77/1RB#1 100M	Front Side	656000	18.81	19.70	1.227	0.254	0.312
	5G NR n77/1RB#1 100M	Back Side	656000	18.81	19.70	1.227	0.462	0.567
	5G NR n77/1RB#1 100M	Right Side	656000	18.81	19.70	1.227	0.636	0.781
	5G NR n77/1RB#1 100M	Top Side	656000	18.81	19.70	1.227	0.082	0.101
	5G NR n77/1RB#1 100M	Right Side	650000	18.79	19.70	1.233	0.822	1.014
	5G NR n77/1RB#1 100M	Right Side	653000	18.70	19.70	1.259	0.827	1.041
	5G NR n77/1RB#1 100M	Right Side	659000	18.75	19.70	1.245	0.752	0.936
	5G NR n77/1RB#1 100M	Right Side	662000	18.72	19.70	1.253	0.794	0.995
	5G NR n77/135RB#1 100M	Front Side	656000	17.92	18.70	1.197	0.252	0.302
	5G NR n77/135RB#1 100M	Back Side	656000	17.92	18.70	1.197	0.366	0.438
	5G NR n77/135RB#1 100M	Right Side	656000	17.92	18.70	1.197	0.508	0.608
	5G NR n77/135RB#1 100M	Top Side	656000	17.92	18.70	1.197	0.066	0.079
	5G NR n77/135RB#1 100M	Right Side	650000	17.82	18.70	1.225	0.660	0.808
	5G NR n77/135RB#1 100M	Right Side	653000	17.79	18.70	1.233	0.661	0.815
	5G NR n77/135RB#1 100M	Right Side	659000	17.79	18.70	1.233	0.602	0.742
	5G NR n77/135RB#1 100M	Right Side	662000	17.88	18.70	1.208	0.635	0.767
	5G NR n77/270RB#1 100M	Right Side	656000	17.97	18.70	1.183	0.606	0.717
Reduced Power Level 4 for Simultaneous Transmission								
	5G NR n77/1RB#1 100M	Front Side	656000	16.31	17.20	1.227	0.145	0.178
	5G NR n77/1RB#1 100M	Back Side	656000	16.31	17.20	1.227	0.263	0.323
	5G NR n77/1RB#1 100M	Right Side	656000	16.31	17.20	1.227	0.359	0.441
	5G NR n77/1RB#1 100M	Top Side	656000	16.31	17.20	1.227	0.049	0.060
	5G NR n77/1RB#1 100M	Right Side	650000	16.29	17.20	1.233	0.466	0.575
	5G NR n77/1RB#1 100M	Right Side	653000	16.20	17.20	1.259	0.471	0.593
	5G NR n77/1RB#1 100M	Right Side	659000	16.25	17.20	1.245	0.432	0.538
	5G NR n77/1RB#1 100M	Right Side	662000	16.22	17.20	1.253	0.458	0.574
	5G NR n77/135RB#1 100M	Front Side	656000	15.42	16.20	1.197	0.109	0.130
	5G NR n77/135RB#1 100M	Back Side	656000	15.42	16.20	1.197	0.197	0.236
	5G NR n77/135RB#1 100M	Right Side	656000	15.42	16.20	1.197	0.269	0.322
	5G NR n77/135RB#1 100M	Top Side	656000	15.42	16.20	1.197	0.037	0.044
	5G NR n77/135RB#1 100M	Right Side	650000	15.32	16.20	1.225	0.350	0.428

	5G NR n77/135RB#1 100M	Right Side	653000	15.29	16.20	1.233	0.353	0.436
	5G NR n77/135RB#1 100M	Right Side	659000	15.29	16.20	1.233	0.324	0.400
	5G NR n77/135RB#1 100M	Right Side	662000	15.38	16.20	1.208	0.344	0.415
Sensor on/Reduced Power Level 2 for Ant 4								
	5G NR n77/1RB#1 100M	Front Side	656000	17.81	18.70	1.227	0.143	0.176
	5G NR n77/1RB#1 100M	Back Side	656000	17.81	18.70	1.227	0.359	0.441
	5G NR n77/1RB#1 100M	Left Side	656000	17.81	18.70	1.227	0.271	0.333
	5G NR n77/1RB#1 100M	Top Side	656000	17.81	18.70	1.227	0.089	0.109
	5G NR n77/1RB#1 100M	Back Side	650000	17.79	18.70	1.233	0.225	0.277
	5G NR n77/1RB#1 100M	Back Side	653000	17.70	18.70	1.259	0.399	0.502
	5G NR n77/1RB#1 100M	Back Side	659000	17.75	18.70	1.245	0.363	0.452
	5G NR n77/1RB#1 100M	Back Side	662000	17.72	18.70	1.253	0.378	0.474
	5G NR n77/135RB#1 100M	Front Side	656000	16.92	17.70	1.197	0.104	0.125
	5G NR n77/135RB#1 100M	Back Side	656000	16.92	17.70	1.197	0.287	0.344
	5G NR n77/135RB#1 100M	Left Side	656000	16.92	17.70	1.197	0.218	0.261
	5G NR n77/135RB#1 100M	Top Side	656000	16.92	17.70	1.197	0.072	0.086
	5G NR n77/135RB#1 100M	Back Side	650000	16.82	17.70	1.225	0.172	0.211
	5G NR n77/135RB#1 100M	Back Side	653000	16.79	17.70	1.233	0.312	0.385
	5G NR n77/135RB#1 100M	Back Side	659000	16.79	17.70	1.233	0.295	0.364
	5G NR n77/135RB#1 100M	Back Side	662000	16.88	17.70	1.208	0.303	0.366
Reduced Power Level 2 for Ant 5								
	5G NR n77/1RB#1 100M	Front Side	656000	21.81	22.70	1.227	0.206	0.253
	5G NR n77/1RB#1 100M	Back Side	656000	21.81	22.70	1.227	0.478	0.587
	5G NR n77/1RB#1 100M	Left Side	656000	21.81	22.70	1.227	0.385	0.473
	5G NR n77/1RB#1 100M	Bottom Side	656000	21.81	22.70	1.227	0.099	0.122
	5G NR n77/1RB#1 100M	Back Side	650000	21.79	22.70	1.233	0.284	0.350
	5G NR n77/1RB#1 100M	Back Side	653000	21.70	22.70	1.259	0.484	0.609
	5G NR n77/1RB#1 100M	Back Side	659000	21.75	22.70	1.245	0.285	0.355
	5G NR n77/1RB#1 100M	Back Side	662000	21.72	22.70	1.253	0.425	0.533
	5G NR n77/135RB#1 100M	Front Side	656000	22.42	23.20	1.197	0.165	0.197
	5G NR n77/135RB#1 100M	Back Side	656000	22.42	23.20	1.197	0.386	0.461
	5G NR n77/135RB#1 100M	Left Side	656000	22.42	23.20	1.197	0.310	0.371
	5G NR n77/135RB#1 100M	Bottom Side	656000	22.42	23.20	1.197	0.080	0.096
	5G NR n77/135RB#1 100M	Back Side	650000	22.32	23.20	1.225	0.230	0.281
	5G NR n77/135RB#1 100M	Back Side	653000	22.29	23.20	1.233	0.382	0.471
	5G NR n77/135RB#1 100M	Back Side	659000	22.29	23.20	1.233	0.230	0.283
	5G NR n77/135RB#1 100M	Back Side	662000	22.38	23.20	1.208	0.340	0.411
Full Power for Ant 6								

	5G NR n77/1RB#1 100M	Front Side	656000	23.31	24.20	1.227	0.163	0.200
	5G NR n77/1RB#1 100M	Back Side	656000	23.31	24.20	1.227	0.269	0.330
	5G NR n77/1RB#1 100M	Right Side	656000	23.31	24.20	1.227	0.080	0.098
	5G NR n77/1RB#1 100M	Top Side	656000	23.31	24.20	1.227	0.227	0.279
	5G NR n77/1RB#1 100M	Back Side	650000	23.29	24.20	1.233	0.285	0.352
	5G NR n77/1RB#1 100M	Back Side	653000	23.20	24.20	1.259	0.318	0.400
	5G NR n77/1RB#1 100M	Back Side	659000	23.25	24.20	1.245	0.216	0.269
	5G NR n77/1RB#1 100M	Back Side	662000	23.22	24.20	1.253	0.221	0.277
	5G NR n77/135RB#1 100M	Front Side	656000	22.42	23.20	1.197	0.137	0.164
	5G NR n77/135RB#1 100M	Back Side	656000	22.42	23.20	1.197	0.223	0.267
	5G NR n77/135RB#1 100M	Right Side	656000	22.42	23.20	1.197	0.064	0.077
	5G NR n77/135RB#1 100M	Top Side	656000	22.42	23.20	1.197	0.184	0.220
	5G NR n77/135RB#1 100M	Back Side	650000	22.32	23.20	1.225	0.237	0.290
	5G NR n77/135RB#1 100M	Back Side	653000	22.29	23.20	1.233	0.269	0.332
	5G NR n77/135RB#1 100M	Back Side	659000	22.29	23.20	1.233	0.179	0.221
	5G NR n77/135RB#1 100M	Back Side	662000	22.38	23.20	1.208	0.183	0.222
Full Power for Ant 3 (HPUE)								
	5G NR n78/1RB#1 100M	Front Side	633334	25.77	26.70	1.239	0.321	0.398
	5G NR n78/1RB#1 100M	Back Side	633334	25.77	26.70	1.239	0.546	0.676
74#	5G NR n78/1RB#1 100M	Right Side	633334	25.77	26.70	1.239	0.813	1.007
	5G NR n78/1RB#1 100M	Top Side	633334	25.77	26.70	1.239	0.108	0.134
	5G NR n78/135RB#1 100M	Front Side	633334	24.80	25.70	1.230	0.247	0.304
	5G NR n78/135RB#1 100M	Back Side	633334	24.80	25.70	1.230	0.420	0.517
	5G NR n78/135RB#1 100M	Right Side	633334	24.80	25.70	1.230	0.671	0.825
	5G NR n78/135RB#1 100M	Top Side	633334	24.80	25.70	1.230	0.061	0.075
	5G NR n78/270RB#1 100M	Right Side	633334	24.68	25.70	1.265	0.665	0.841
Reduced Power Level 4 for Simultaneous Transmission (HPUE)								
	5G NR n78/1RB#1 100M	Front Side	633334	23.27	24.20	1.239	0.185	0.229
	5G NR n78/1RB#1 100M	Back Side	633334	23.27	24.20	1.239	0.308	0.382
	5G NR n78/1RB#1 100M	Right Side	633334	23.27	24.20	1.239	0.465	0.576
	5G NR n78/1RB#1 100M	Top Side	633334	23.27	24.20	1.239	0.063	0.078
	5G NR n78/135RB#1 100M	Front Side	633334	22.30	23.20	1.230	0.139	0.171
	5G NR n78/135RB#1 100M	Back Side	633334	22.30	23.20	1.230	0.231	0.284
	5G NR n78/135RB#1 100M	Right Side	633334	22.30	23.20	1.230	0.349	0.429
	5G NR n78/135RB#1 100M	Top Side	633334	22.30	23.20	1.230	0.047	0.058
Sensor on/Reduced Power Level 2 for Ant 4								

(HPUE)								
	5G NR n78/1RB#1 100M	Front Side	633334	17.77	18.70	1.239	0.071	0.088
	5G NR n78/1RB#1 100M	Back Side	633334	17.77	18.70	1.239	0.428	0.530
	5G NR n78/1RB#1 100M	Left Side	633334	17.77	18.70	1.239	0.412	0.511
	5G NR n78/1RB#1 100M	Top Side	633334	17.77	18.70	1.239	0.056	0.070
	5G NR n78/135RB#1 100M	Front Side	633334	16.80	17.70	1.230	0.056	0.069
	5G NR n78/135RB#1 100M	Back Side	633334	16.80	17.70	1.230	0.354	0.435
	5G NR n78/135RB#1 100M	Left Side	633334	16.80	17.70	1.230	0.326	0.401
	5G NR n78/135RB#1 100M	Top Side	633334	16.80	17.70	1.230	0.022	0.027
Reduced Power Level 2 for Ant 5 (HPUE)								
	5G NR n78/1RB#1 100M	Front Side	633334	21.77	22.70	1.239	0.127	0.158
	5G NR n78/1RB#1 100M	Back Side	633334	21.77	22.70	1.239	0.208	0.258
	5G NR n78/1RB#1 100M	Left Side	633334	21.77	22.70	1.239	0.390	0.483
	5G NR n78/1RB#1 100M	Bottom Side	633334	21.77	22.70	1.239	0.067	0.082
	5G NR n78/135RB#1 100M	Front Side	633334	20.80	21.70	1.230	0.100	0.123
	5G NR n78/135RB#1 100M	Back Side	633334	20.80	21.70	1.230	0.162	0.200
	5G NR n78/135RB#1 100M	Left Side	633334	20.80	21.70	1.230	0.302	0.372
	5G NR n78/135RB#1 100M	Bottom Side	633334	20.80	21.70	1.230	0.053	0.065
Full Power for Ant 6 (HPUE)								
	5G NR n78/1RB#1 100M	Front Side	633334	25.77	26.70	1.239	0.152	0.188
	5G NR n78/1RB#1 100M	Back Side	633334	25.77	26.70	1.239	0.221	0.274
	5G NR n78/1RB#1 100M	Right Side	633334	25.77	26.70	1.239	0.043	0.053
	5G NR n78/1RB#1 100M	Top Side	633334	25.77	26.70	1.239	0.158	0.195
	5G NR n78/135RB#1 100M	Front Side	633334	24.80	25.70	1.230	0.118	0.145
	5G NR n78/135RB#1 100M	Back Side	633334	24.80	25.70	1.230	0.175	0.215
	5G NR n78/135RB#1 100M	Right Side	633334	24.80	25.70	1.230	0.034	0.042
	5G NR n78/135RB#1 100M	Top Side	633334	24.80	25.70	1.230	0.125	0.154
Reduced Power Level 2 for Ant 3 (HPUE)								
	5G NR n78/1RB#1 100M	Front Side	650000	16.68	17.70	1.265	0.480	0.608
	5G NR n78/1RB#1 100M	Back Side	650000	16.68	17.70	1.265	0.506	0.640
	5G NR n78/1RB#1 100M	Right Side	650000	16.68	17.70	1.265	0.728	0.921
	5G NR n78/1RB#1 100M	Top Side	650000	16.68	17.70	1.265	0.085	0.107
	5G NR n78/135RB#1 100M	Front Side	650000	15.81	16.70	1.227	0.384	0.472
	5G NR n78/135RB#1 100M	Back Side	650000	15.81	16.70	1.227	0.408	0.501
	5G NR n78/135RB#1 100M	Right Side	650000	15.81	16.70	1.227	0.584	0.717

	5G NR n78/135RB#1 100M	Top Side	650000	15.81	16.70	1.227	0.064	0.079
	5G NR n78/270RB#0 100M	Right Side	650000	15.55	16.70	1.303	0.528	0.688
Reduced Power Level 4 for Simultaneous Transmission (HPUE)								
	5G NR n78/1RB#1 100M	Front Side	650000	14.68	15.70	1.265	0.305	0.386
	5G NR n78/1RB#1 100M	Back Side	650000	14.68	15.70	1.265	0.322	0.407
	5G NR n78/1RB#1 100M	Right Side	650000	14.68	15.70	1.265	0.462	0.584
	5G NR n78/1RB#1 100M	Top Side	650000	14.68	15.70	1.265	0.058	0.073
	5G NR n78/135RB#1 100M	Front Side	650000	13.81	14.70	1.227	0.229	0.281
	5G NR n78/135RB#1 100M	Back Side	650000	13.81	14.70	1.227	0.242	0.296
	5G NR n78/135RB#1 100M	Right Side	650000	13.81	14.70	1.227	0.347	0.425
	5G NR n78/135RB#1 100M	Top Side	650000	13.81	14.70	1.227	0.044	0.053
Sensor on/Reduced Power Level 2 for Ant 4 (HPUE)								
	5G NR n78/1RB#1 100M	Front Side	650000	17.68	18.70	1.265	0.103	0.130
	5G NR n78/1RB#1 100M	Back Side	650000	17.68	18.70	1.265	0.290	0.367
	5G NR n78/1RB#1 100M	Left Side	650000	17.68	18.70	1.265	0.174	0.220
	5G NR n78/1RB#1 100M	Top Side	650000	17.68	18.70	1.265	0.019	0.024
	5G NR n78/135RB#1 100M	Front Side	650000	16.81	17.70	1.227	0.086	0.106
	5G NR n78/135RB#1 100M	Back Side	650000	16.81	17.70	1.227	0.229	0.281
	5G NR n78/135RB#1 100M	Left Side	650000	16.81	17.70	1.227	0.137	0.169
	5G NR n78/135RB#1 100M	Top Side	650000	16.81	17.70	1.227	0.010	0.012
Reduced Power Level 2 for Ant 5 (HPUE)								
	5G NR n78/1RB#1 100M	Front Side	650000	21.68	22.70	1.265	0.141	0.179
	5G NR n78/1RB#1 100M	Back Side	650000	21.68	22.70	1.265	0.179	0.226
	5G NR n78/1RB#1 100M	Left Side	650000	21.68	22.70	1.265	0.333	0.421
	5G NR n78/1RB#1 100M	Bottom Side	650000	21.68	22.70	1.265	0.138	0.175
	5G NR n78/135RB#1 100M	Front Side	650000	20.81	21.70	1.227	0.112	0.137
	5G NR n78/135RB#1 100M	Back Side	650000	20.81	21.70	1.227	0.141	0.173
	5G NR n78/135RB#1 100M	Left Side	650000	20.81	21.70	1.227	0.263	0.323
	5G NR n78/135RB#1 100M	Bottom Side	650000	20.81	21.70	1.227	0.109	0.134
Full Power for Ant 6 (HPUE)								
	5G NR n78/1RB#1 100M	Front Side	650000	25.68	26.70	1.265	0.196	0.248
	5G NR n78/1RB#1 100M	Back Side	650000	25.68	26.70	1.265	0.290	0.367
	5G NR n78/1RB#1 100M	Right Side	650000	25.68	26.70	1.265	0.055	0.070
	5G NR n78/1RB#1 100M	Top Side	650000	25.68	26.70	1.265	0.310	0.392

	5G NR n78/135RB#1 100M	Front Side	650000	24.81	25.70	1.227	0.153	0.188
	5G NR n78/135RB#1 100M	Back Side	650000	24.81	25.70	1.227	0.226	0.278
	5G NR n78/135RB#1 100M	Right Side	650000	24.81	25.70	1.227	0.043	0.053
	5G NR n78/135RB#1 100M	Top Side	650000	24.81	25.70	1.227	0.242	0.297
Full Power for Ant 3								
	5G NR n78/1RB#1 100M	Front Side	633334	23.34	24.20	1.219	0.095	0.115
	5G NR n78/1RB#1 100M	Back Side	633334	23.34	24.20	1.219	0.161	0.196
	5G NR n78/1RB#1 100M	Right Side	633334	23.34	24.20	1.219	0.673	0.820
	5G NR n78/1RB#1 100M	Top Side	633334	23.34	24.20	1.219	0.089	0.109
	5G NR n78/135RB#1 100M	Front Side	633334	22.29	23.20	1.233	0.074	0.091
	5G NR n78/135RB#1 100M	Back Side	633334	22.29	23.20	1.233	0.129	0.159
	5G NR n78/135RB#1 100M	Right Side	633334	22.29	23.20	1.233	0.536	0.661
	5G NR n78/135RB#1 100M	Top Side	633334	22.29	23.20	1.233	0.059	0.073
	5G NR n78/270RB#0 100M	Right Side	633334	22.23	23.20	1.250	0.510	0.638
Reduced Power Level 4 for Simultaneous Transmission								
	5G NR n78/1RB#1 100M	Front Side	633334	21.34	22.20	1.219	0.068	0.083
	5G NR n78/1RB#1 100M	Back Side	633334	21.34	22.20	1.219	0.116	0.141
	5G NR n78/1RB#1 100M	Right Side	633334	21.34	22.20	1.219	0.478	0.583
	5G NR n78/1RB#1 100M	Top Side	633334	21.34	22.20	1.219	0.066	0.080
	5G NR n78/135RB#1 100M	Front Side	633334	20.29	21.20	1.233	0.050	0.062
	5G NR n78/135RB#1 100M	Back Side	633334	20.29	21.20	1.233	0.086	0.106
	5G NR n78/135RB#1 100M	Right Side	633334	20.29	21.20	1.233	0.354	0.436
	5G NR n78/135RB#1 100M	Top Side	633334	20.29	21.20	1.233	0.049	0.060
Sensor on/Reduced Power Level 2 for Ant 4								
	5G NR n78/1RB#1 100M	Front Side	633334	17.84	18.70	1.219	0.270	0.329
	5G NR n78/1RB#1 100M	Back Side	633334	17.84	18.70	1.219	0.372	0.454
	5G NR n78/1RB#1 100M	Left Side	633334	17.84	18.70	1.219	0.211	0.258
	5G NR n78/1RB#1 100M	Top Side	633334	17.84	18.70	1.219	0.081	0.098
	5G NR n78/135RB#1 100M	Front Side	633334	16.79	17.70	1.233	0.216	0.266
	5G NR n78/135RB#1 100M	Back Side	633334	16.79	17.70	1.233	0.298	0.367
	5G NR n78/135RB#1 100M	Left Side	633334	16.79	17.70	1.233	0.169	0.209
	5G NR n78/135RB#1 100M	Top Side	633334	16.79	17.70	1.233	0.065	0.080
Reduced Power Level 2 for Ant 5								
	5G NR n78/1RB#1 100M	Front Side	633334	21.84	22.70	1.219	0.085	0.104
	5G NR n78/1RB#1 100M	Back Side	633334	21.84	22.70	1.219	0.139	0.170
	5G NR n78/1RB#1 100M	Left Side	633334	21.84	22.70	1.219	0.261	0.318
	5G NR n78/1RB#1 100M	Bottom Side	633334	21.84	22.70	1.219	0.045	0.054
	5G NR n78/135RB#1 100M	Front Side	633334	20.79	21.70	1.233	0.067	0.083

	5G NR n78/135RB#1 100M	Back Side	633334	20.79	21.70	1.233	0.109	0.134
	5G NR n78/135RB#1 100M	Left Side	633334	20.79	21.70	1.233	0.202	0.250
	5G NR n78/135RB#1 100M	Bottom Side	633334	20.79	21.70	1.233	0.036	0.044
Full Power for Ant 6								
	5G NR n78/1RB#1 100M	Front Side	633334	23.34	24.20	1.219	0.133	0.162
	5G NR n78/1RB#1 100M	Back Side	633334	23.34	24.20	1.219	0.091	0.111
	5G NR n78/1RB#1 100M	Right Side	633334	23.34	24.20	1.219	0.026	0.031
	5G NR n78/1RB#1 100M	Top Side	633334	23.34	24.20	1.219	0.106	0.129
	5G NR n78/135RB#1 100M	Front Side	633334	22.29	23.20	1.233	0.108	0.134
	5G NR n78/135RB#1 100M	Back Side	633334	22.29	23.20	1.233	0.073	0.090
	5G NR n78/135RB#1 100M	Right Side	633334	22.29	23.20	1.233	0.021	0.025
	5G NR n78/135RB#1 100M	Top Side	633334	22.29	23.20	1.233	0.085	0.105
Reduced Power Level 2 for Ant 3								
	5G NR n78/1RB#1 100M	Front Side	650000	19.25	20.20	1.245	0.446	0.556
75#	5G NR n78/1RB#1 100M	Back Side	650000	19.25	20.20	1.245	0.550	0.684
	5G NR n78/1RB#1 100M	Right Side	650000	19.25	20.20	1.245	0.701	0.872
	5G NR n78/1RB#1 100M	Top Side	650000	19.25	20.20	1.245	0.027	0.034
	5G NR n78/135RB#1 100M	Front Side	650000	18.24	19.20	1.247	0.353	0.440
	5G NR n78/135RB#1 100M	Back Side	650000	18.24	19.20	1.247	0.482	0.602
	5G NR n78/135RB#1 100M	Right Side	650000	18.24	19.20	1.247	0.625	0.779
	5G NR n78/135RB#1 100M	Top Side	650000	18.24	19.20	1.247	0.021	0.027
	5G NR n78/270RB#1 100M	Right Side	650000	18.07	19.20	1.297	0.601	0.780
Reduced Power Level 4 for Simultaneous Transmission								
	5G NR n78/1RB#1 100M	Front Side	650000	17.75	18.70	1.245	0.318	0.396
	5G NR n78/1RB#1 100M	Back Side	650000	17.75	18.70	1.245	0.392	0.488
	5G NR n78/1RB#1 100M	Right Side	650000	17.75	18.70	1.245	0.499	0.621
	5G NR n78/1RB#1 100M	Top Side	650000	17.75	18.70	1.245	0.019	0.024
	5G NR n78/135RB#1 100M	Front Side	650000	16.74	17.70	1.247	0.239	0.298
	5G NR n78/135RB#1 100M	Back Side	650000	16.74	17.70	1.247	0.294	0.367
	5G NR n78/135RB#1 100M	Right Side	650000	16.74	17.70	1.247	0.374	0.467
	5G NR n78/135RB#1 100M	Top Side	650000	16.74	17.70	1.247	0.014	0.018
Sensor on/Reduced Power Level 2 for Ant 4								
	5G NR n78/1RB#1 100M	Front Side	650000	17.25	18.20	1.245	0.186	0.231
	5G NR n78/1RB#1 100M	Back Side	650000	17.25	18.20	1.245	0.387	0.482
	5G NR n78/1RB#1 100M	Left Side	650000	17.25	18.20	1.245	0.174	0.217
	5G NR n78/1RB#1 100M	Top Side	650000	17.25	18.20	1.245	0.076	0.095
	5G NR n78/135RB#1 100M	Front Side	650000	16.24	17.20	1.247	0.147	0.183
	5G NR n78/135RB#1 100M	Back Side	650000	16.24	17.20	1.247	0.306	0.381

	5G NR n78/135RB#1 100M	Left Side	650000	16.24	17.20	1.247	0.137	0.171
	5G NR n78/135RB#1 100M	Top Side	650000	16.24	17.20	1.247	0.060	0.075
Reduced Power Level 2 for Ant 5								
	5G NR n78/1RB#1 100M	Front Side	650000	21.25	22.20	1.245	0.155	0.193
	5G NR n78/1RB#1 100M	Back Side	650000	21.25	22.20	1.245	0.196	0.244
	5G NR n78/1RB#1 100M	Left Side	650000	21.25	22.20	1.245	0.366	0.455
	5G NR n78/1RB#1 100M	Bottom Side	650000	21.25	22.20	1.245	0.138	0.172
	5G NR n78/135RB#1 100M	Front Side	650000	20.24	21.20	1.247	0.126	0.157
	5G NR n78/135RB#1 100M	Back Side	650000	20.24	21.20	1.247	0.159	0.198
	5G NR n78/135RB#1 100M	Left Side	650000	20.24	21.20	1.247	0.296	0.370
	5G NR n78/135RB#1 100M	Bottom Side	650000	20.24	21.20	1.247	0.112	0.139
Full Power for Ant 6								
	5G NR n78/1RB#1 100M	Front Side	650000	25.68	26.70	1.265	0.138	0.175
	5G NR n78/1RB#1 100M	Back Side	650000	25.68	26.70	1.265	0.205	0.259
	5G NR n78/1RB#1 100M	Right Side	650000	25.68	26.70	1.265	0.039	0.049
	5G NR n78/1RB#1 100M	Top Side	650000	25.68	26.70	1.265	0.219	0.277
	5G NR n78/135RB#1 100M	Front Side	650000	24.81	25.70	1.227	0.108	0.133
	5G NR n78/135RB#1 100M	Back Side	650000	24.81	25.70	1.227	0.160	0.196
	5G NR n78/135RB#1 100M	Right Side	650000	24.81	25.70	1.227	0.030	0.037
	5G NR n78/135RB#1 100M	Top Side	650000	24.81	25.70	1.227	0.171	0.210

➢ WLAN Body SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Sensor off/Full Power for Ant 7								
	WLAN2.4GHz/802.11b	Front Side	6	20.67	22.50	1.524	0.420	0.640
	WLAN2.4GHz/802.11b	Back Side	6	20.67	22.50	1.524	0.478	0.728
	WLAN2.4GHz/802.11b	Right Side	6	20.67	22.50	1.524	0.267	0.408
	WLAN2.4GHz/802.11b	Top Side	6	20.67	22.50	1.524	0.310	0.473
76#	WLAN2.4GHz/802.11b	Back Side	1	20.46	22.00	1.426	0.513	0.731
	WLAN2.4GHz/802.11b	Back Side	11	20.63	22.50	1.538	0.406	0.624
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	WLAN2.4GHz/802.11b	Front Side	6	18.17	20.00	1.524	0.277	0.423
	WLAN2.4GHz/802.11b	Back Side	6	18.17	20.00	1.524	0.315	0.481
	WLAN2.4GHz/802.11b	Right Side	6	18.17	20.00	1.524	0.177	0.269
	WLAN2.4GHz/802.11b	Top Side	6	18.17	20.00	1.524	0.205	0.312
	WLAN2.4GHz/802.11b	Back Side	1	17.96	19.50	1.426	0.337	0.480
	WLAN2.4GHz/802.11b	Back Side	11	18.13	20.00	1.538	0.268	0.412

Sensor on/Reduced Power Level 2 for Ant 7								
	WLAN5.2GHz/802.11n40	Front Side	38	18.69	20.50	1.517	0.253	0.396
77#	WLAN5.2GHz/802.11n40	Back Side	38	18.69	20.50	1.517	0.681	1.066
	WLAN5.2GHz/802.11n40	Right Side	38	18.69	20.50	1.517	0.584	0.914
	WLAN5.2GHz/802.11n40	Top Side	38	18.69	20.50	1.517	0.446	0.698
	WLAN5.2GHz/802.11n40	Back Side	46	17.98	19.50	1.419	0.536	0.785
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	WLAN5.2GHz/802.11n40	Front Side	38	15.19	17.00	1.517	0.141	0.222
	WLAN5.2GHz/802.11n40	Back Side	38	15.19	17.00	1.517	0.381	0.596
	WLAN5.2GHz/802.11n40	Right Side	38	15.19	17.00	1.517	0.327	0.512
	WLAN5.2GHz/802.11n40	Top Side	38	15.19	17.00	1.517	0.250	0.391
	WLAN5.2GHz/802.11n40	Back Side	46	14.48	16.00	1.419	0.300	0.440
Sensor on/Reduced Power Level 2 for Ant 7								
	WLAN5.3GHz/802.11n40	Front Side	62	16.89	18.50	1.449	0.203	0.303
	WLAN5.3GHz/802.11n40	Back Side	62	16.89	18.50	1.449	0.483	0.722
78#	WLAN5.3GHz/802.11n40	Back Side	54	16.38	18.00	1.452	0.571	0.856
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	WLAN5.3GHz/802.11a	Front Side	62	14.39	16.00	1.449	0.132	0.198
	WLAN5.3GHz/802.11a	Back Side	62	14.39	16.00	1.449	0.315	0.471
	WLAN5.3GHz/802.11a	Back Side	54	13.88	15.50	1.452	0.373	0.559
Sensor on/Reduced Power Level 2 for Ant 7								
	WLAN5.5GHz/802.11a	Front Side	120	16.86	18.50	1.459	0.217	0.321
	WLAN5.5GHz/802.11a	Back Side	120	16.86	18.50	1.459	0.504	0.746
79#	WLAN5.5GHz/802.11a	Back Side	100	16.77	18.50	1.489	0.700	1.058
	WLAN5.5GHz/802.11a	Back Side	144	15.52	17.50	1.578	0.529	0.847
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	WLAN5.5GHz/802.11a	Front Side	120	12.36	14.00	1.459	0.121	0.179
	WLAN5.5GHz/802.11a	Back Side	120	12.36	14.00	1.459	0.263	0.389
	WLAN5.5GHz/802.11a	Back Side	100	12.27	14.00	1.489	0.365	0.552
	WLAN5.5GHz/802.11a	Back Side	144	11.02	13.00	1.578	0.342	0.548
Sensor on/Reduced Power Level 2 for Ant 7								
	WLAN5.8GHz/802.11n40	Front Side	159	17.83	19.50	1.469	0.407	0.617
80#	WLAN5.8GHz/802.11n40	Back Side	159	17.83	19.50	1.469	0.621	0.941
	WLAN5.8GHz/802.11n40	Right Side	159	17.83	19.50	1.469	0.332	0.503
	WLAN5.8GHz/802.11n40	Top Side	159	17.83	19.50	1.469	0.422	0.640
	WLAN5.8GHz/802.11n40	Back Side	151	17.35	19.00	1.462	0.533	0.804
Sensor on/Reduced Power Level 4 for Simultaneous Transmission								
	WLAN5.8GHz/802.11n40	Front Side	159	14.83	16.50	1.469	0.266	0.403

	WLAN5.8GHz/802.11n40	Back Side	159	14.83	16.50	1.469	0.405	0.614
	WLAN5.8GHz/802.11n40	Right Side	159	14.83	16.50	1.469	0.216	0.327
	WLAN5.8GHz/802.11n40	Top Side	159	14.83	16.50	1.469	0.274	0.415
	WLAN5.8GHz/802.11n40	Back Side	151	14.35	16.00	1.462	0.389	0.587
Sensor off/Full Power for Ant 7								
	Bluetooth/DH5	Front Side	39	11.96	15.00	2.014	0.039	0.079
81#	Bluetooth/DH5	Back Side	39	11.96	15.00	2.014	0.077	0.154
	Bluetooth/DH5	Right Side	39	11.96	15.00	2.014	0.053	0.107
	Bluetooth/DH5	Top Side	39	11.96	15.00	2.014	0.042	0.085
	Bluetooth/DH5	Back Side	0	11.91	15.00	2.037	0.063	0.128
	Bluetooth/DH5	Back Side	78	11.33	15.00	2.328	0.058	0.135

Note:

1. For TDD-LTE, the reported SAR should be scaled with the duty cycle scaling factor 1.006.
2. The 2.4G WLAN reported 1g SAR (W/kg) should be scaled with the duty cycle scaling factor 1.000 , 5GHz WLAN 802.11n40 with 1.032, 5GHz WLAN 802.11a with 1.015 and Bluetooth with 1.000.

20.4. Repeated SAR Assessment

➢ **General Note**

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

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

➢ **Test Results**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Reduced Power Level 1 for Ant 1								
OR.	GPRS 1900(4 TX slots)	Right Cheek	810	11.16	12.00	1.213	0.918	1.114
1st	GPRS 1900(4 TX slots)	Right Cheek	810	11.16	12.00	1.213	0.894	1.085
Reduced Power Level 1 for Ant 1								
OR.	Band IV/RMC 12.2Kbps	Right Tilt	1413	15.11	15.80	1.172	0.807	0.946
1st	Band IV/RMC 12.2Kbps	Right Tilt	1413	15.11	15.80	1.172	0.791	0.927
Reduced Power Level 1 for Ant 1								
OR.	LTE Band 7/1RB#0 20M	Right Tilt	21350	17.97	18.80	1.211	0.807	0.977
1st	LTE Band 7/1RB#0 20M	Right Tilt	21350	17.97	18.80	1.211	0.794	0.961
Reduced Power Level 1 for Ant 3								
OR.	LTE Band 48/1RB#0 20M	Left Cheek	56640	20.78	21.30	1.127	0.888	1.007
1st	LTE Band 48/1RB#0 20M	Left Cheek	56640	20.81	21.30	1.119	0.868	0.978
Reduced Power Level 1 for Ant 3 (HPUE)								
OR.	5G NR n77/1RB#1 100M	Left Cheek	653000	16.71	17.70	1.256	0.939	1.179
1st	5G NR n77/1RB#1 100M	Left Cheek	653000	16.71	17.70	1.256	0.880	1.105
Reduced Power Level 1 for Ant 6								

(HPUE)								
OR.	5G NR n77/1RB#1 100M	Left Cheek	653000	19.71	20.70	1.256	0.898	1.128
1st	5G NR n77/1RB#1 100M	Left Cheek	653000	19.71	20.70	1.256	0.879	1.104
Reduced Power Level 1 for Ant 3								
OR.	5G NR n77/1RB#1 100M	Left Cheek	653000	16.70	17.70	1.259	0.897	1.129
1st	5G NR n77/1RB#1 100M	Left Cheek	653000	16.70	17.70	1.259	0.823	1.036
Reduced Power Level 1 for Ant 6								
OR.	5G NR n77/1RB#1 100M	Right Cheek	653000	19.70	20.70	1.259	0.884	1.113
1st	5G NR n77/1RB#1 100M	Right Cheek	653000	19.70	20.70	1.259	0.875	1.102
Reduced Power Level 1 for Ant 6								
(HPUE)								
OR.	5G NR n78/1RB#1 100M	Left Cheek	633334	21.27	22.20	1.239	0.917	1.136
1st	5G NR n78/1RB#1 100M	Left Cheek	633334	21.27	22.20	1.239	0.847	1.050
Reduced Power Level 1 for Ant 3								
(HPUE)								
OR.	5G NR n78/1RB#1 100M	Left Cheek	650000	16.68	17.70	1.265	0.919	1.162
1st	5G NR n78/1RB#1 100M	Left Cheek	650000	16.68	17.70	1.265	0.909	1.150
Reduced Power Level 1 for Ant 6								
(HPUE)								
OR.	5G NR n78/1RB#1 100M	Left Cheek	650000	20.18	21.20	1.265	0.846	1.070
1st	5G NR n78/1RB#1 100M	Left Cheek	650000	20.18	21.20	1.265	0.826	1.045
Reduced Power Level 1 for Ant 3								
OR.	5G NR n78/1RB#1 100M	Left Cheek	650000	15.95	16.90	1.245	0.890	1.108
1st	5G NR n78/1RB#1 100M	Left Cheek	650000	15.95	16.90	1.245	0.879	1.094
Reduced Power Level 1 for Ant 6								
OR.	5G NR n78/1RB#1 100M	Left Cheek	650000	19.45	20.40	1.245	0.843	1.049
1st	5G NR n78/1RB#1 100M	Left Cheek	650000	19.45	20.40	1.245	0.833	1.037
Sensor on/Reduced Power Level 2 for Ant 1								
OR.	GPRS 1900(4 TX slots)	Top Side	810	14.66	15.50	1.213	0.845	1.025
1st	GPRS 1900(4 TX slots)	Top Side	810	14.66	15.50	1.213	0.821	0.996
Sensor on/Reduced Power Level 2 for Ant 1								
OR.	Band II/RMC 12.2Kbps	Top Side	9538	19.36	20.30	1.242	0.858	1.065
1st	Band II/RMC 12.2Kbps	Top Side	9538	19.36	20.30	1.242	0.823	1.022
Sensor on/Reduced Power Level 2 for Ant 1								
OR.	Band IV/RMC 12.2Kbps	Top Side	1312	20.53	21.30	1.194	0.951	1.135
1st	Band IV/RMC 12.2Kbps	Top Side	1312	20.53	21.30	1.194	0.921	1.100
Sensor on/Reduced Power Level 2 for Ant 1								
OR.	LTE Band 4/1RB#0 20M	Top Side	20175	20.38	21.10	1.180	0.896	1.058

1st	LTE Band 4/1RB#0 20M	Top Side	20175	20.38	21.10	1.180	0.882	1.041
Reduced Power Level 2 for Ant 0								
OR.	LTE Band 4/1RB#0 20M	Bottom Side	20300	20.32	21.10	1.197	0.826	0.989
1st	LTE Band 4/1RB#0 20M	Bottom Side	20300	20.32	21.10	1.197	0.809	0.968
Sensor on/Reduced Power Level 2 for Ant 1								
OR.	LTE Band 25/1RB#0 20M	Top Side	26590	20.45	21.30	1.216	0.963	1.171
1st	LTE Band 25/1RB#0 20M	Top Side	26590	20.53	21.30	1.194	0.953	1.138
Sensor on/Reduced Power Level 2 for Ant 1								
OR.	LTE Band 66/1RB#0 20M	Top Side	132322	20.40	21.10	1.175	0.987	1.160
1st	LTE Band 66/1RB#0 20M	Top Side	132322	20.40	21.10	1.175	0.929	1.091
Sensor on/Reduced Power Level 2 for Ant 1								
OR.	5G NR n2/1RB#1 20M	Top Side	380000	19.99	21.20	1.321	0.821	1.085
1st	5G NR n2/1RB#1 20M	Top Side	380000	20.02	21.20	1.312	0.812	1.066
Reduced Power Level 2 for Ant 3 (HPUE)								
OR.	5G NR n77/1RB#1 100M	Right Side	633334	25.73	26.70	1.250	0.871	1.089
1st	5G NR n77/1RB#1 100M	Right Side	633334	25.73	26.70	1.250	0.867	1.084
Reduced Power Level 2 for Ant 3 (HPUE)								
OR.	5G NR n77/1RB#1 100M	Right Side	653000	18.71	19.70	1.256	0.857	1.076
1st	5G NR n77/1RB#1 100M	Right Side	653000	18.71	19.70	1.256	0.845	1.061
Reduced Power Level 2 for Ant 3								
OR.	5G NR n77/1RB#1 100M	Right Side	653000	18.70	19.70	1.259	0.827	1.041
1st	5G NR n77/1RB#1 100M	Right Side	653000	18.70	19.70	1.259	0.816	1.027
Reduced Power Level 2 for Ant 3 (HPUE)								
OR.	5G NR n78/1RB#1 100M	Right Side	633334	25.77	26.70	1.239	0.813	1.007
1st	5G NR n78/1RB#1 100M	Right Side	633334	25.77	26.70	1.239	0.801	0.992

20.5. Extremity SAR Assessment

➢ **General Guidance**

1. According to KDB 648747 D04v01r03 The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB Publication 865664 D01 to address interactive hand use exposure conditions.
2. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.
3. According to the user manual, the EUT diagonal size is greater than 16cm, therefore the 0mm extremity SAR of WLAN 5GHz is required.

➢ **Test Results**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{10g} (W/kg)	Reported SAR_{10g} (W/kg)
Sensor on/Reduced Power Level 2 for Ant 7								
	WLAN5.3GHz/802.11n40	Front Side	62	16.89	18.50	1.449	0.299	0.446
	WLAN5.3GHz/802.11n40	Back Side	62	16.89	18.50	1.449	0.333	0.497
82#	WLAN5.3GHz/802.11n40	Back Side	54	16.38	18.00	1.452	0.371	0.556
Sensor on/Reduced Power Level 2 for Ant 7								
	WLAN5.5GHz/802.11a	Front Side	120	16.86	18.50	1.459	0.243	0.360
	WLAN5.5GHz/802.11a	Back Side	120	16.86	18.50	1.459	0.360	0.533
	WLAN5.5GHz/802.11a	Back Side	100	16.77	18.50	1.489	0.459	0.694
83#	WLAN5.5GHz/802.11a	Back Side	144	15.52	17.50	1.578	0.456	0.730

Note:

The 5G WLAN 802.11n40 reported 1g SAR (W/kg) should be scaled with the duty cycle scaling factor 1.032 and 5GHz WLAN 802.11a with 1.015.

21. Simultaneous Transmission Evaluation

21.1. Simultaneous Transmission Consideration

No.	Simultaneous Transmission Consideration	Head	Body-Worn	Hotspot
1	WWAN+WLAN 2.4GHz	Yes	Yes	Yes
2	WWAN+WLAN 5.2GHz/5.8GHz	Yes	Yes	Yes
3	WWAN+WLAN 5.3GHz/5.5GHz	Yes	Yes	No
4	WWAN+Bluetooth	Yes	Yes	Yes
5	WLAN 5.2GHz/5.8GHz+Bluetooth	Yes	Yes	Yes
6	WLAN 5.3GHz/5.5GHz+Bluetooth	Yes	Yes	No
7	WWAN+WLAN 5.2GHz/5.8GHz+Bluetooth	Yes	Yes	Yes
8	WWAN+WLAN 5.3GHz/5.5GHz+Bluetooth	Yes	Yes	No

Note:

1. When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of the WWAN and WLAN transmitters. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.
2. The hotspot SAR result may overlap with the body-worn accessory SAR requirements, per KDB 941225 D06, the more conservative configurations can be considered, thus excluding some unnecessary body-worn accessory SAR tests.
3. Simultaneous Transmission SAR evaluation is not required for BT and WLAN 2.4GHz, because the software mechanism has been incorporated to guarantee that the WLAN and Bluetooth transmitters would not simultaneously operate.
4. Per KDB 447498D01v06, simultaneous transmission SAR evaluation procedures is as followed:
   Step 1: If sum of 1 g SAR < 1.6 W/kg, Simultaneous SAR measurement is not required.
   Step 2: If sum of 1 g SAR > 1.6 W/kg, ratio of SAR to peak separation distance for pair of transmitters calculated.
   Step 3: If the ratio of SAR to peak separation distance is ≤ 0.04, Simultaneous SAR measurement is not required.
   Step 4: If the ratio of SAR to peak separation distance is > 0.04, Simultaneous SAR measurement is required and simultaneous transmission SAR value is calculated.
   (The ratio is determined by: (SAR1 + SAR2) ^ 1.5/Ri ≤ 0.04,
   Ri is the separation distance between the peak SAR locations for the antenna pair in mm.
5. The co-location of WWAN+Bluetooth, WWAN+WLAN 5GHz and WLAN 5GHz+Bluetooth would not be recorded since it is less than the combination of WWAN+ WLAN 5GHz+Bluetooth.
6. This device does not support the combination of WWAN+WLAN 2.4GHz+WLAN 5GHz.

21.2. Simultaneous Transmission Analysis

The EUT supports simultaneous transmission of multiple radios. RF exposure compliance in simultaneous transmission scenarios is evaluated in this section.

It must be noted here that Qualcomm Smart Transmit time-averaging algorithm was applied to only WWAN, where the time-averaged power level is controlled so that RF exposure is ≤ SAR_design_target for sub-6 WWAN. Since there is total design-related uncertainty arising from TxAGC and device-to-device variation, the worst-case RF exposure should be determined by accounting for this uncertainty in the corresponding design target, thus, with 1dB of device uncertainty for sub-6 WWAN. Therefore, the worst-case RF exposure for this EUT is:

Worst-case Time-averaged RF Exposure for WWAN

Title	WWAN Wireless System
	Sub-6G
Maximum time-averaged power level	Plimit
Maximum time-averaged exposure	SAR_design_target=0.8W/kg (1g SAR)
Maximum Design-related uncertainty	1.0 dB
Worst-case time-averaged RF exposure	Reported SAR =1.0W/kg (1g)

Note:

The highest SAR value obtained from UL FCC SAR Test Report. For scenarios where (P_{limit} + 1.0dB uncertainty) ≥ P_{max} (maximum RF tune-up output power), time-averaged SAR exposure from Smart Transmit enabled EUT (at P_{limi}t) cannot exceed reported SAR corresponding to P_{max}.

RF exposure compliance with WWAN+WLAN simultaneous transmission scenarios is demonstrated for various radio configurations using below equation:

Total norm. RF exposure = norm. RF exposure from Smart Transmit enabled WWAN (norm. SAR from 4G + norm. SAR from 5G sub-6G) + norm. SAR from WLAN ≤ 1.0 normalized limit (1)

Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G and time-averaged RF exposure from 5G sub-6G, i.e.,

norm. RF exposure from Smart Transmit enabled WWAN: (normalized SAR exposure from 4G) + (normalized PD exposure from 5G sub-6G) ≤ 1.0 normalized limit (2)

In other words, Smart Transmit algorithm controls the total RF exposure from both 4G radio and 5G sub-6G NR to not exceed CE limit. Smart transmit algorithm assumes hotspots are collocated (i.e., ignoring spatial distribution of hotspots) and directly adds normalized RF exposures from 4G and from 5G sub-6G, i.e.,

If A = max normalized time-averaged SAR exposure from 4G,
B = max normalized time-averaged SAR exposure from 5G sub-6G,

Then, equation (2) can be re-written as below because Smart Transmit assumes 4G hotspots are collocated with 5G sub-6G hotspot:

Smart Transmit enabled WWAN: x(t) * A + (1-x(t)) * B ≤ 1.0 normalized limit (3)

Here, "x(t)*A" represents percentage of normalized time-averaged RF exposure from 4G, and x(t) ranges between [0,1]; "(1-x(t))*B" is remaining percentage of RF exposure contribution from 5G sub-6G. Smart Transmit controls 'x' in real time such that the sum of these exposures never exceeds 1.0 normalized limit.
Note that mathematically:

$(t) * A$ + (1−(t))$*B$ ≤ $max(A,B)$≤ 1.0 $normalized\ limit$ for x(t) ∈ [0,1] (4)

Therefore, if below equations (5a) and (5b) are proven:

A +$norm.SAR\ from\ WLAN$≤ 1.0 $norm.limit$ (5a),
B +$norm.SAR\ from\ WLAN$ ≤ 1.0 $norm.limit$ (5b),

Then, based on equation (4), below condition is also proved:

[$(t) * A$ + (1−(t))$*B$] +$norm.SAR\ from\ WLAN$ ≤ 1.0 $norm.limit$ (5c)

Which is the same as equation (1), to demonstrate compliance for simultaneous transmission.

Additionally, it should be noted that in the absence of 5G sub-6G, Smart Transmit limits the maximum RF exposure contributed from 4G to 100% normalized exposure (i.e., x=1.0 in equation 3). Therefore:

Smart Transmit enabled WWAN: A=max (normalized SAR exposure from 4G) ≤ 1.0 normalized limit (6a)

Smart Transmit enabled WWAN: B=max (normalized SAR exposure from 5G sub-6G) ≤ 1.0 normalized limit (6b)

The compliance for simultaneous transmission scenarios of WWAN (4G/5G sub-6G) radio enabled with Smart Transmit and WLAN without Smart Transmit is re-evaluated for all transmission scenarios supported by this EUT.

As described in equation (7), simultaneous transmission analysis for WWAN + WLAN is performed in two parts:

4G WWAN + WLAN (i.e., Eq. (7a) with compliance demonstration in the main report

5G sub-6G WWAN + WLAN (i.e., Eq. (7b) with compliance demonstration in the main report

By combining above a. and b., the CE requirement expressed in Eq. (1), re-written below, is met:

Step 1: Total Exposure Ratio (TER) = LTE + WLAN + BT < 1

Step 2: Total Exposure Ratio (TER) = 5G NR + WLAN + BT < 1

21.3. Simultaneous Transmission Exposure Evaluation

Remark: The simultaneous transmission data was recorded in annex F.

22. Uncertainty Assessment

According to KDB 865664 D01 SAR measurement 100 MHz to 6GHz, when the highest measured 1-g SAR is less than 1.5 W/kg and 10-g extremity SAR less than 3.75 W/kg, the expanded SAR measurement uncertainty must be less than 30% with a confidence interval of k=2. When these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE 1528-2013 is not required in the SAR report and submitted for equipment approval. For this device, both the 1-g SAR is less than 1.5 W/kg and 10-g extremity SAR less than 3.75 W/kg. Therefore the measurement uncertainty table is not required in this report.

Annex A General Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

The FCC designation number is CN1192, the test firm registration number is 226174.

Note:

The main report is end here and the other Annex (B,C,D,E,F,G) will be submitted separately.

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