

RF EXPOSURE TEST REPORT

Test Report No. 15169635H-A

Customer	Panasonic Corporation of North America
Description of EUT	Wireless Module (Tested inside of Panasonic Personal Computer FZ-G2)
Model Number of EUT	WW21A
FCC ID	ACJ9TGWW21A
Test Regulation	FCC47CFR 2.1093
Test Result	Complied
Issue Date	September 9, 2024
Remarks	Part 1 Test Under Static Transmission Scenario *The highest reported value SPLSR: 0.03 Simultaneous transmission: 1.58 W/kg _{1g} TER: 0.99

Representative test engineer	Approved by
	
Tomohisa Nakagawa Engineer	Takayuki Shimada Leader
 CERTIFICATE 5107.02	
The testing in which "Non-accreditation" is displayed is outside the accreditation scopes in UL Japan, Inc. ☒ There is no testing item of "Non-accreditation".	

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REVISION HISTORY

Original Test Report No. 15169635H-A

Revision	Test report No.	Date	Page Revised Contents
- (Original)	15169635H-A	September 9, 2024	-

Reference: Abbreviations (Including words undescribed in this report)

AAN	Asymmetric Artificial Network	GPS	Global Positioning System
AC	Alternating Current	Hori.	Horizontal
AM	Amplitude Modulation	ICES	Interference-Causing Equipment Standard
AMN	Artificial Mains Network	I/O	Input/Output
Amp, AMP	Amplifier	IEC	International Electrotechnical Commission
ANSI	American National Standards Institute	IEEE	Institute of Electrical and Electronics Engineers
Ant, ANT	Antenna	IF	Intermediate Frequency
AP	Access Point	ILAC	International Laboratory Accreditation Conference
ASK	Amplitude Shift Keying	ISED	Innovation, Science and Economic Development Canada
Atten., ATT	Attenuator	ISN	Impedance Stabilization Network
AV	Average	ISO	International Organization for Standardization
BPSK	Binary Phase-Shift Keying	JAB	Japan Accreditation Board
BR	Bluetooth Basic Rate	LAN	Local Area Network
BT	Bluetooth	LCL	Longitudinal Conversion Loss
BT LE	Bluetooth Low Energy	LIMS	Laboratory Information Management System
BW	BandWidth	LISN	Line Impedance Stabilization Network
C.F	Correction Factor	MRA	Mutual Recognition Arrangement
Cal Int	Calibration Interval	N/A	Not Applicable
CAV	CISPR AV	NIST	National Institute of Standards and Technology
CCK	Complementary Code Keying	NS	No signal detect.
CDN	Coupling Decoupling Network	NSA	Normalized Site Attenuation
Ch., CH	Channel	OBW	Occupied BandWidth
CISPR	Comite International Special des Perturbations Radioelectriques	OFDM	Orthogonal Frequency Division Multiplexing
Corr.	Correction	PER	Packet Error Rate
CPE	Customer premise equipment	PK	Peak
CW	Continuous Wave	P _{LT}	long-term flicker severity
DBPSK	Differential BPSK	POHC(A)	Partial Odd Harmonic Current
DC	Direct Current	Pol., Pola.	Polarization
DET	Detector	PR-ASK	Phase Reversal ASK
D-factor	Distance factor	P _{ST}	short-term flicker severity
Dmax	maximum absolute voltage change during an observation period	QAM	Quadrature Amplitude Modulation
DQPSK	Differential QPSK	QP	Quasi-Peak
DSSS	Direct Sequence Spread Spectrum	QPSK	Quadrature Phase Shift Keying
DUT	Device Under Test	r.m.s., RMS	Root Mean Square
EDR	Enhanced Data Rate	RBW	Resolution BandWidth
e.i.r.p., EIRP	Equivalent Isotropically Radiated Power	RE	Radio Equipment
EM clamp	Electromagnetic clamp	REV	Reverse
EMC	ElectroMagnetic Compatibility	RF	Radio Frequency
EMI	ElectroMagnetic Interference	RFID	Radio Frequency Identifier
EMS	ElectroMagnetic Susceptibility	RNSS	Radio Navigation Satellite Service
EN	European Norm	RSS	Radio Standards Specifications
e.r.p., ERP	Effective Radiated Power	Rx	Receiving
ETSI	European Telecommunications Standards Institute	SINAD	Ratio of (Signal + Noise + Distortion) to (Noise + Distortion)
EU	European Union	S/N	Signal to Noise ratio
EUT	Equipment Under Test	SA, S/A	Spectrum Analyzer
Fac.	Factor	SG	Signal Generator
FCC	Federal Communications Commission	SVSWR	Site-Voltage Standing Wave Ratio
FHSS	Frequency Hopping Spread Spectrum	THC(A)	Total Harmonic Current
FM	Frequency Modulation	THD(%)	Total Harmonic Distortion
Freq.	Frequency	TR, T/R	Test Receiver
FSK	Frequency Shift Keying	Tx	Transmitting
Fund	Fundamental	VBW	Video BandWidth
FWD	Forward	Vert.	Vertical
GFSK	Gaussian Frequency-Shift Keying	WLAN	Wireless LAN
GNSS	Global Navigation Satellite System	xDSL	Generic term for all types of DSL technology
			(DSL: Digital Subscriber Line)

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Section 0 Introduction

Purpose of this document is new simultaneous transmission considerations with combination WWAN and WLAN/BT module, because WLAN/BT module is replaced to new one as new option of the host. Also this new module does not support time average SAR functionality (TAS) this condition is same as original one. Additionally WWAN module is same as original one. TAS assessment has already covered by test report issued by UL Japan

This device has three transmitters: WWAN, WLAN/BT and RFID, each SAR values are quoted from below test reports, than outside the scope of this test.

Table. WWAN original certification number

FCC certification number	ACJ9TGWW21A	Report number	14367173H-A 14367173H-B-R1 14367173H-C
ISED certification number	216H-CFWW21A	Report number	14367173H-D 14367173H-E 14367173H-F
			respectively part 0,1,2

In this report, it referred it as WWAN original report.

For simultaneous transmission:

WLAN / BT and RFID value is quoted from

Table. WLAN / BT original certification number

FCC certification number	ACJ9TGWL23C	Report number	15182659H-A-R2
ISED certification number	216H-CFWL23C	Report number	15182659H-B-R2

In this report, it referred it as WLAN report.

Table. RFID original certification number

FCC certification number	ACJ9TGWL23C	Report number	15182659H-A-R2*
ISED certification number	216H-CFRI20A	Report number	15182659H-B-R2*

In this report, it referred it as RFID report.

* RFID evaluation is done within the WLAN test report.

Section 1 Customer information

Company Name	Panasonic Corporation of North America
Address	Two Riverfront Plaza, Newark, New Jersey, 07102-5490, USA
Telephone Number	+1-201-348-7760
Contact Person	Ben Botros

*Remarks:

Panasonic Connect Co., Ltd. is on behalf of the applicator: Panasonic Corporation of North America (Company incorporated abroad).

The information provided by the customer is as follows;

- Customer, Description of EUT, Model Number of EUT, FCC ID on the cover and other relevant pages
- Operating/Test Mode(s) (Mode(s)) on all the relevant pages
- SECTION 1: Customer Information
- SECTION 2: Equipment Under Test (EUT) other than the Receipt Date and Test Date

Section 2 Equipment under test (EUT)

2.1 Identification of EUT

Description	Wireless Module
Model Number	WW21A
Condition	Engineering prototype (Not for Sale: This sample is equivalent to mass-produced items.)
Modification	No Modification by the test lab

<Information of Host device>

Type of Equipment	Personal Computer
Model No.	FZ-G2
Remarks	Intel Core Ultra 5 processor 135U, 12M Cache, up to 4.40 GHz 10.1 inch LCD (1920 x 1200)

2.2 Product description

General Specification

Rating	DC 3.0 to 3.6 V
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2.3 Radio Specification

WWAN Module

(Tested inside of Panasonic Personal Computer FZ-G2)

Wireless technologies	Dup.	Band	Mode	
WCDMA	FDD	2	UMTS Rel. 99 (Data) HSDPA (Rel. 5) HSUPA (Rel. 6), HSPA+ (Rel. 7), DC-HSDPA (Rel. 8)	
	FDD	4		
	FDD	5		
LTE	FDD	2	QPSK, 16QAM, 64AQM, 256QAM Downlink MIMO Support: Yes (2x2, 4x4) Supported band: B2, B4, B7, B25, B38, B41, B42, B48, B66 Uplink MIMO Support: No Uplink transmission is limited to a single output stream.	
	FDD	4		
	FDD	5		
	FDD	7		
	FDD	12		
	FDD	13		
	FDD	14		
	FDD	17		
	FDD	25		
	FDD	26		
	FDD (Rx only)	29		
	TDD	38		
	TDD	41		
	TDD	42		
	TDD (Rx only)	46		
	TDD	48		
	FDD	66		
	FDD	71		
LTE CA	Downlink		Uplink B42: not used in US (FCC) / B48: not used in Canada (ISED)	
	Maximum 7 carriers		Maximum 2 carriers Supported combination: <Intra-band contiguous> 7C, 41C, 42C <Inter-band> not supported	
5G NR (FR1)	FDD	15 kHz	n2	Pi/2 BPSK (DFT-s-OFDM), QPSK (CP-OFDM/DFT-s-OFDM), 16QAM (CP-OFDM/DFT-s-OFDM), 64QAM (CP-OFDM/DFT-s-OFDM), 256QAM (CP-OFDM/DFT-s-OFDM) Downlink MIMO Support: Yes (2x2, 4x4) Supported band : n2, n41, n66, n77, n78 Uplink MIMO Support: No Uplink transmission is limited to a single output stream.
	FDD	15 kHz	n5	
	TDD	30 kHz	n41	
	FDD	15 kHz	n66	
	FDD	15 kHz	n71	
	TDD	30 kHz	n77	
	TDD	30 kHz	n78	
	-	-	-	
-	-	-		
EN-DC (LTE-FR1 Sub6) (NSA mode only)	Supported combination			LTE Band 5/12/13/14/48 LTE Band 2/7/66 LTE Band 2/4/25/26/41/66 LTE Band 5/12/13/14/48/71 LTE Band 2/7/66 LTE Band 2/5/12/13/14/41/66 LTE Band 2/4/5/7/12/13/38/41/66/71 *n78: not used in US (FCC)
	LTE Anchor Bands for NR band n2			
	LTE Anchor Bands for NR band n5			
	LTE Anchor Bands for NR band n41			
	LTE Anchor Bands for NR band n66			
	LTE Anchor Bands for NR band n71			
	LTE Anchor Bands for NR band n77			
	LTE Anchor Bands for NR band n78*			

WLAN Module

Model: WL23C (FCC ID and ISED Certification Number is shown in section 0)

Band & Mode	Operating Mode	Tx Frequency
WLAN 2.4 GHz	802.11b 802.11g 802.11n-20 / 40 802.11ax-20 / 40	2412 MHz ~ 2472 MHz (20 MHz BW) 2422 MHz ~ 2462 MHz (40 MHz BW)
WLAN 5 GHz	802.11a 802.11n-20 802.11ac-20 802.11ax-20 802.11n-40 802.11ac-40 802.11ax-40 802.11n-80 802.11ac-80 802.11ax-80 802.11ac-160 802.11ax-160	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz 5745 MHz ~ 5825 MHz 5190 MHz ~ 5230 MHz 5270 MHz ~ 5310 MHz 5510 MHz ~ 5710 MHz 5755 MHz ~ 5795 MHz 5210 MHz 5290 MHz 5530 MHz, 5690 MHz 5775 MHz 5250 MHz 5570 MHz
WLAN 6 GHz	802.11ax-20 802.11ax-40 802.11ax-80 802.11ax-160	5955 MHz ~ 7115 MHz 5965 MHz ~ 7085 MHz 5985 MHz ~ 7025 MHz 6025 MHz ~ 6985 MHz
Bluetooth	BR / EDR / LE	2402 MHz ~ 2480 MHz

RFID Module

Model: RI20A (FCC ID and ISED Certification Number is shown in section 0)

Equipment Type	Transceiver
Frequency of Operation	13.56 MHz
Type of Modulation	ASK

2.4 Others information of the host and module

All information and supplementary information, such as antenna location and settings of radio, is shown in the original report.

Section 3 Definitions

This may contain the definitions which are not used in this report.

Specific Absorption Rate (SAR)	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), as shown in the following equation: $SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dV} \right)$
Power density (PD) or S_{av}	The energy per unit time and unit area crossing a surface of area A characterized by the normal unit vector $\hat{n}$ and averaging time. $S_{av} = \frac{1}{AT} \iint (E \times H) \cdot \hat{n} dAdT$
Absorbed power density (APD)	The APD (absorbed power density) shall be derived from the measured SAR values using the formulas in the Compliance Assessment of the Epithelial. $APD_{1cm^2(W/m^2)} = 10(kg/m^2) \times SAR_{1g(W/kg)}$ $APD_{4cm^2(W/m^2)} = 20(kg/m^2) \times SAR_{8g(W/kg)}$
Reported SAR / PD (IPD or APD)	Measured SAR / PD (IPD or APD) is scaled to the maximum tune-up tolerance limit and the maximum duty by the following formulas. <i>Reported SAR, PD = Measured SAR, or PD × scale factor for power × scaled factor for duty(if needed) × Compensate factor(if needed)</i> Where: $Scaled\ factor\ for\ duty = \frac{1}{Duty}$ $Compensate\ factor = 10^{\frac{measurement\ uncert.[dB]}{10}} - 1 + 0.7$
Maximum Tune-up tolerance limit, Tune up limit or Tune-up limit	Maximum power including tolerance power specified by customer.

Symbol	Quantity	Unit	Dimensions
E	Electric field	volt per meter	V / m
f	Frequency	hertz	Hz
H	Magnetic field	ampere per meter	A / m
λ	Wavelength	meter	m
S	Local power density	watt per square meter	W / m ²
PD	Spatial-average power density	watt per square meter	W / m ² (mW / cm ²)
SAR	Specific Absorption Rate	watt per square meter	W / kg

Section 4 Test standard information

4.1 Test specification

☒ FCC47CFR 2.1093	RF Exposure Procedures and Equipment Authorization Policies for Portable Devices
☐ RSS-102 Issue 6	Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)
☐ RSS-102 Issue 5 Amendment 1	Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)

4.2 Published RF exposure KDB procedures and companion procedures

Name of documents	Title
☐ KDB 447498 D01(v06)	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
☒ KDB 447498 D04(v01)	Interim General RF Exposure Guidance
☐ KDB 447498 D02(v02r01)	SAR Measurement Procedures for USB Dongle Transmitters
☐ KDB 648474 D04(v01r04)	SAR Evaluation Considerations for Wireless Handsets
☐ KDB 941225 D01(v03r01)	3G SAR Measurement Procedures
☐ KDB 941225 D05(v02r05)	SAR Evaluation Considerations for LTE Devices
☐ KDB 941225 D06(v02r01)	SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities
☐ KDB 941225 D07(v01r02)	SAR Evaluation Procedures for UMPC Mini-Tablet Devices
☐ KDB 616217 D04(v01r02)	SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers
☒ KDB 865664 D01(v01r04)	SAR Measurement Requirements for 100MHz to 6 GHz
☐ KDB 248227 D01(v02r02)	SAR Guidance for IEEE 802.11 (Wi-Fi) transmitters
☐ SPR-APD Issue 1	Supplementary Procedure for Assessing Specific Absorption Rate (SAR) and Absorbed Power Density (APD) Compliance of Portable Devices in the 6 GHz Band (5925-7125 MHz)
☐ RSS-102.SAR.MEAS	Measurement Procedure for Assessing Specific Absorption Rate (SAR) Compliance in Accordance with RSS-102

4.3 Work Procedures

Name of documents	Title or details
☒ C/N: Work Instructions-ULID-003598	UL Japan, Inc.'s SAR Measurement Equipment Calibration and Inspection Work Procedure
☒ C/N: Work Instructions-ULID-003599	UL Japan, Inc.'s SAR Measurement Work Procedure
☐ IEEE Std 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques.
☐ IEC/IEEE 62209-1528 Edition 1.0 2020-10	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices - Human models, instrumentation and procedures (Frequency range of 4 MHz to 10 GHz)
☐ C/N: Work Instructions-ULID-003619	UL Japan, Inc.'s Power Density Measurement Procedure
☐ IEC/IEEE 63195-1:2021	Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz) - Part 1: Measurement procedure
☐ IEC/IEEE 63195-2:2021	Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz) - Part 2: Computational procedure

4.4 Reference

Schmid & Partner Engineering AG, DASY Manual
TCB workshop slide decks.

Section 5 Limits

General Population / Uncontrolled Environments limit is applied.

5.1 Exposure limit for SAR (FCC)

(A) Limits for Occupational/Controlled Exposure (W/kg)

Spatial Average (averaged over the whole body)	Spatial Peak (averaged over any 1g of tissue)	Spatial Peak (hands/wrists/feet/ankles averaged over 10g)
0.4	8.0	20.0

(B) Limits for General population/Uncontrolled Exposure (W/kg)

Spatial Average (averaged over the whole body)	Spatial Peak (averaged over any 1g of tissue)	Spatial Peak (hands/wrists/feet/ankles averaged over 10g)
0.08	1.6	4.0

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

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

5.2 For PD (Above 6 GHz) (FCC)

Frequency Range [MHz]	Power Density [mW/cm ²]	Average Time [Minutes]
(A) Limits For Occupational / Controlled Environments		
1,500 – 100,000	5	6
(B) Limits For General Population / Uncontrolled Environments		
1,500 – 100,000	1	30

Note: 1.0 mW/cm² is 10 W/m²

Section 6 Location

UL Japan, Inc. Ise EMC Lab.
Shielded room for SAR testing.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone: +81-596-24-8999

A2LA Certificate Number: 5107.02 / FCC Test Firm Registration Number: 884919
ISED Lab Company Number: 2973C / CAB identifier: JP0002

Section 7 Test result

7.1 Verdict

Complied
Highest result are next section.

7.2 Stand-alone SAR result

Standalone SAR results are shown in the original report.

7.3 Simultaneous transmission SAR result

Simultaneous Transmission
Body: 1.577 W/kg_{1g}
SPLSR: 0.033
TER: 0.991

Section 8 Uncertainty

This report covers simultaneous transmission, so the uncertainty itself is shown in original test report.

Section 9 Simultaneous transmission SAR test exclusion considerations

The data is shown in appendix of Simultaneous transmission.

9.1 Sum and SPLSR

KDB 447498 General RF Exposure Guidance provides two procedures for determining simultaneous transmission SAR test exclusion: Sum of SAR and SAR to Peak Location Ratio (SPLSR)

Sum of SAR

To qualify for simultaneous transmission SAR test exclusion based on sum of SAR, the sum of the reported standalone SARs for all simultaneously transmitting antennas shall be below the applicable standalone SAR limit. If the sum of the SARs is above the applicable limit, then simultaneous transmission SAR test exclusion may still apply if the requirements of the SAR to Peak Location Ratio (SPLSR) evaluation are met. When a pair of the summation is above 1.58 W/kg for 1g SAR, then SAR to Peak Location Ratio (SPLSR) is performed, as conservative even though applicable limit is 1.6 W/kg. finally sum of SAR value is convert to TER, see next section.

SAR to Peak Location Ratio (SPLSR)

KDB 447498 General RF Exposure Guidance explains how to calculate the SAR to Peak Location Ratio (SPLSR) between pairs of simultaneously transmitting antennas:

$$SPLSR = (SAR_1 + SAR_2)^{1.5} / Ri$$

Where:

SAR₁ is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition

SAR₂ is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating mode and exposure condition as the first

Ri is the separation distance between the pair of simultaneous transmitting antennas. When the SAR is measured, for both antennas in the pair, it is determined by the actual x, y and z coordinates in the 1-g SAR for each SAR peak location, based on the extrapolated and interpolated result in the zoom scan measurement, using the formula of

$$Ri = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2}$$

In order for a pair of simultaneous transmitting antennas with the sum of 1-g SAR > 1.6 W/kg to qualify for exemption from Simultaneous Transmission SAR measurements, it has to satisfy the condition of:

$$SPLSR \leq 0.04$$

When an individual antenna transmits at on two bands simultaneously, the sum of the highest reported SAR for the frequency bands should be used to determine SAR₁ or SAR₂. When SPLSR is necessary, the smallest distance between the peak SAR locations for the antenna pair with respect to the peaks from each antenna should be used.

The antennas in all antenna pairs that do not qualify for simultaneous transmission SAR test exclusion must be tested for SAR compliance, according to the enlarged zoom scan and volume scan post-processing procedures.

9.2 Total exposure ratio

Either SAR-based or MPE-based exemption may be considered for test exemption for fixed, mobile, or portable device exposure conditions; therefore, the contributions from each exemption in conjunction with the measured SAR (Evaluated_k term) shall be used to determine exemption for simultaneous transmission according to Formula is from § 1.1307(b)(3)(ii)(B).

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

Where:

a: number of fixed, mobile, or portable RF sources claiming exemption using the § 1.1307(b)(3)(i)(B) formula for P_{th}, including existing exempt transmitters and those being added.

b: number of fixed, mobile, or portable RF sources claiming exemption using the applicable § 1.1307(b)(3)(i)(C) Table 1 formula for Threshold ERP, including existing exempt transmitters and those being added.

c: number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance.

P_i: the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source *i* at a distance between 0.5 cm and 40 cm (inclusive).

P_{th,i}: the exemption threshold power (P_{th}) according to the § 1.1307(b)(3)(i)(B) formula for fixed, mobile, or portable RF source *i*. Also, The P_{th} is described at section "SAR Exposure Conditions"

ERP_j: the available maximum time-averaged power or the ERP, whichever is greater, of fixed, mobile, or portable RF source *j*.

ERP_{th,j}: exemption threshold ERP for fixed, mobile, or portable RF source *j*, at a distance of at least $\lambda/2\pi$, according to the applicable § 1.1307(b)(3)(i)(C) Table 1 formula at the location in question.

Evaluated_k: the maximum reported SAR or MPE of fixed, mobile, or portable RF source *k* either in the device or at the transmitter site from an existing evaluation.

Exposure Limit_k: either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable sources, as applicable

Appendix Simultaneous transmission

Sum of the SAR

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	WCDMA B2	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.187	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.787	0.591	0.896	0.910	0.826
Edge3	0.145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.145	0.145	0.145	0.145	0.145
Edge4	0.480	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.533	0.522	0.512	0.491	0.492
Edge4 Reduction	0.915	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.968	0.957	0.947	0.926	0.927
Rear	0.503	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.097	0.742	1.154	1.113	1.132
Rear Reduction	0.513	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.107	0.752	1.164	1.123	1.142
Rear tilt(Edge1)	0.614	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.681	0.976	1.826	1.775	1.688
Rear tilt(Edge4)	0.806	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.862	0.852	0.908	0.941	0.932
Rear tilt(Edge4) Reduction	0.873	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.929	0.919	0.975	1.008	0.999

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	WCDMA B4	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.174	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.774	0.578	0.883	0.897	0.813
Edge3	0.240	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.240	0.240	0.240	0.240	0.240
Edge4	0.775	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.828	0.817	0.807	0.786	0.787
Edge4 Reduction	1.026	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	1.079	1.068	1.058	1.037	1.038
Rear	0.587	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.181	0.826	1.238	1.197	1.216
Rear Reduction	0.499	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.093	0.738	1.150	1.109	1.128
Rear tilt(Edge1)	0.704	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.771	1.066	1.916	1.865	1.778
Rear tilt(Edge4)	1.027	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	1.083	1.073	1.129	1.162	1.153
Rear tilt(Edge4) Reduction	1.074	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	1.130	1.120	1.176	1.209	1.200

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	WCDMA B5	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.170	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.770	0.574	0.879	0.893	0.809
Edge3	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.046	0.046	0.046	0.046
Edge4	0.482	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.535	0.524	0.514	0.493	0.494
Edge4 Reduction	0.851	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.904	0.893	0.883	0.862	0.863
Rear	0.616	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.210	0.855	1.267	1.226	1.245
Rear Reduction	0.320	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.914	0.559	0.971	0.930	0.949
Rear tilt(Edge1)	0.693	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.760	1.055	1.905	1.854	1.767
Rear tilt(Edge4)	0.815	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.871	0.861	0.917	0.950	0.941
Rear tilt(Edge4) Reduction	0.481	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.537	0.527	0.583	0.616	0.607

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B2	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.318	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.918	0.722	1.027	1.041	0.957
Edge3	0.147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.147	0.147	0.147	0.147	0.147
Edge4	0.631	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.684	0.673	0.663	0.642	0.643
Edge4 Reduction	0.864	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.917	0.906	0.896	0.875	0.876
Rear	0.394	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.988	0.633	1.045	1.004	1.023
Rear Reduction	0.523	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.117	0.762	1.174	1.133	1.152
Rear tilt(Edge1)	0.891	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.958	1.253	2.103	2.052	1.965
Rear tilt(Edge4)	0.835	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.891	0.881	0.937	0.970	0.961
Rear tilt(Edge4) Reduction	0.827	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.883	0.873	0.929	0.962	0.953

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B4	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.120	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.720	0.524	0.829	0.843	0.759
Edge3	0.215	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.215	0.215	0.215	0.215	0.215
Edge4	0.858	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.911	0.900	0.890	0.869	0.870
Edge4 Reduction	0.917	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.970	0.959	0.949	0.928	0.929
Rear	0.466	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.060	0.705	1.117	1.078	1.095
Rear Reduction	0.456	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.050	0.695	1.107	1.066	1.085
Rear tilt(Edge1)	0.741	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.808	1.103	1.953	1.902	1.815
Rear tilt(Edge4)	0.920	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.976	0.966	1.022	1.055	1.046
Rear tilt(Edge4) Reduction	0.908	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.964	0.954	1.010	1.043	1.034

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B5	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.188	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.788	0.592	0.897	0.911	0.827
Edge3	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.045	0.045	0.045	0.045
Edge4	0.680	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.733	0.722	0.712	0.691	0.692
Edge4 Reduction	0.832	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.885	0.874	0.864	0.843	0.844
Rear	0.608	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.202	0.847	1.259	1.218	1.237
Rear Reduction	0.351	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.945	0.590	1.002	0.961	0.980
Rear tilt(Edge1)	0.743	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.810	1.105	1.955	1.904	1.817
Rear tilt(Edge4)	0.737	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.793	0.783	0.839	0.872	0.863
Rear tilt(Edge4) Reduction	0.532	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.588	0.578	0.634	0.667	0.658

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B7	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.125	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.725	0.529	0.834	0.848	0.764
Edge3	0.142	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.142	0.142	0.142	0.142	0.142
Edge4	0.457	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.510	0.499	0.489	0.468	0.469
Edge4 Reduction	0.949	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	1.002	0.991	0.981	0.960	0.961
Rear	0.566	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.160	0.805	1.217	1.176	1.195
Rear Reduction	0.408	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.002	0.647	1.059	1.018	1.037
Rear tilt(Edge1)	0.854	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.921	1.216	2.066	2.015	1.928
Rear tilt(Edge4)	0.749	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.805	0.795	0.851	0.884	0.875
Rear tilt(Edge4) Reduction	0.723	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.779	0.769	0.825	0.858	0.849

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B12	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.170	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.770	0.574	0.879	0.893	0.809
Edge3	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013	0.013	0.013	0.013
Edge4	0.156	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.209	0.198	0.188	0.167	0.168
Edge4 Reduction	0.760	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.813	0.802	0.792	0.771	0.772
Rear	0.292	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.886	0.531	0.943	0.902	0.921
Rear Reduction	0.214	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.808	0.453	0.865	0.824	0.843
Rear tilt(Edge1)	0.416	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.483	0.778	1.628	1.577	1.490
Rear tilt(Edge4)	0.359	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.415	0.405	0.461	0.494	0.485
Rear tilt(Edge4) Reduction	0.406	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.462	0.452	0.508	0.541	0.532

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B13	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.251	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.851	0.655	0.960	0.974	0.890
Edge3	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006	0.006	0.006	0.006
Edge4	0.309	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.362	0.351	0.341	0.320	0.321
Edge4 Reduction	0.861	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.914	0.903	0.893	0.872	0.873
Rear	0.453	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.047	0.692	1.104	1.063	1.082
Rear Reduction	0.315	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.909	0.554	0.966	0.925	0.944
Rear tilt(Edge1)	0.656	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.723	1.018	1.868	1.817	1.730
Rear tilt(Edge4)	0.620	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.676	0.666	0.722	0.755	0.746
Rear tilt(Edge4) Reduction	0.521	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.577	0.567	0.623	0.656	0.647

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B14	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.291	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.891	0.695	1.000	1.014	0.930
Edge3	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014	0.014	0.014	0.014
Edge4	0.279	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.332	0.321	0.311	0.290	0.291
Edge4 Reduction	0.963	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	1.016	1.005	0.995	0.974	0.975
Rear	0.517	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.111	0.756	1.168	1.127	1.146
Rear Reduction	0.334	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.928	0.573	0.985	0.944	0.963
Rear tilt(Edge1)	0.740	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.807	1.102	1.952	1.901	1.814
Rear tilt(Edge4)	0.729	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.785	0.775	0.831	0.864	0.855
Rear tilt(Edge4) Reduction	0.549	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.605	0.595	0.651	0.684	0.675

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B17	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.167	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.767	0.571	0.876	0.890	0.806
Edge3	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.018	0.018	0.018	0.018
Edge4	0.118	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.171	0.160	0.150	0.129	0.130
Edge4 Reduction	0.925	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.978	0.967	0.957	0.936	0.937
Rear	0.279	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.873	0.518	0.930	0.889	0.908
Rear Reduction	0.265	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.859	0.504	0.916	0.875	0.894
Rear tilt(Edge1)	0.409	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.476	0.771	1.621	1.570	1.483
Rear tilt(Edge4)	0.340	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.396	0.386	0.442	0.475	0.466
Rear tilt(Edge4) Reduction	0.447	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.503	0.493	0.549	0.582	0.573

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B25	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.409	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	1.009	0.813	1.118	1.132	1.048
Edge3	0.147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.147	0.147	0.147	0.147	0.147
Edge4	0.651	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.704	0.693	0.683	0.662	0.663
Edge4 Reduction	0.885	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.938	0.927	0.917	0.896	0.897
Rear	0.562	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.156	0.801	1.213	1.172	1.191
Rear Reduction	0.548	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.142	0.787	1.199	1.158	1.177
Rear tilt(Edge1)	0.882	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.949	1.244	2.094	2.043	1.956
Rear tilt(Edge4)	0.836	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.892	0.882	0.938	0.971	0.962
Rear tilt(Edge4) Reduction	0.853	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.909	0.899	0.955	0.988	0.979

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B26	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.205	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.805	0.609	0.914	0.928	0.844
Edge3	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.034	0.034	0.034	0.034
Edge4	0.540	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.593	0.582	0.572	0.551	0.552
Edge4 Reduction	0.853	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.906	0.895	0.885	0.864	0.865
Rear	0.621	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.215	0.860	1.272	1.231	1.250
Rear Reduction	0.356	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.950	0.595	1.007	0.966	0.985
Rear tilt(Edge1)	0.742	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.809	1.104	1.954	1.903	1.816
Rear tilt(Edge4)	0.857	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.913	0.903	0.959	0.992	0.983
Rear tilt(Edge4) Reduction	0.515	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.571	0.561	0.617	0.650	0.641

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B38	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.108	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.708	0.512	0.817	0.831	0.747
Edge3	0.075	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.075	0.075	0.075	0.075
Edge4	0.327	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.380	0.369	0.359	0.338	0.339
Edge4 Reduction	0.888	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.941	0.930	0.920	0.899	0.900
Rear	0.494	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.088	0.733	1.145	1.104	1.123
Rear Reduction	0.469	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.063	0.708	1.120	1.079	1.098
Rear tilt(Edge1)	0.578	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.645	0.940	1.790	1.739	1.652
Rear tilt(Edge4)	0.569	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.625	0.615	0.671	0.704	0.695
Rear tilt(Edge4) Reduction	0.928	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.984	0.974	1.030	1.063	1.054

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B41	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.117	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.717	0.521	0.826	0.840	0.756
Edge3	0.075	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.075	0.075	0.075	0.075
Edge4	0.390	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.443	0.432	0.422	0.401	0.402
Edge4 Reduction	1.014	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	1.067	1.056	1.046	1.025	1.026
Rear	0.474	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.068	0.713	1.125	1.084	1.103
Rear Reduction	0.317	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.911	0.556	0.968	0.927	0.946
Rear tilt(Edge1)	0.324	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.391	0.686	1.536	1.485	1.398
Rear tilt(Edge4)	0.650	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.706	0.696	0.752	0.785	0.776
Rear tilt(Edge4) Reduction	0.732	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.788	0.778	0.834	0.867	0.858

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B48	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.000	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.600	0.404	0.709	0.723	0.639
Edge3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Edge4	0.066	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.119	0.108	0.098	0.077	0.078
Edge4 Reduction	0.531	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.584	0.573	0.563	0.542	0.543
Rear	0.010	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.604	0.249	0.661	0.620	0.639
Rear Reduction	0.042	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.636	0.281	0.693	0.652	0.671
Rear tilt(Edge1)	0.026	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.093	0.388	1.238	1.187	1.100
Rear tilt(Edge4)	0.026	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.082	0.072	0.128	0.161	0.152
Rear tilt(Edge4) Reduction	0.130	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.186	0.176	0.232	0.265	0.256

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B66	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.112	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.712	0.516	0.821	0.835	0.751
Edge3	0.211	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.211	0.211	0.211	0.211	0.211
Edge4	0.703	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.756	0.745	0.735	0.714	0.715
Edge4 Reduction	0.941	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.994	0.983	0.973	0.952	0.953
Rear	0.439	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.033	0.678	1.090	1.049	1.068
Rear Reduction	0.448	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.042	0.687	1.099	1.058	1.077
Rear tilt(Edge1)	0.732	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.799	1.094	1.944	1.893	1.806
Rear tilt(Edge4)	0.937	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.993	0.983	1.039	1.072	1.063
Rear tilt(Edge4) Reduction	0.954	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	1.010	1.000	1.056	1.089	1.080

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	LTE B71	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.221	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.821	0.625	0.930	0.944	0.860
Edge3	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.045	0.045	0.045	0.045
Edge4	0.287	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.340	0.329	0.319	0.298	0.299
Edge4 Reduction	0.828	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.881	0.870	0.860	0.839	0.840
Rear	0.416	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.010	0.655	1.067	1.026	1.045
Rear Reduction	0.333	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.927	0.572	0.984	0.943	0.962
Rear tilt(Edge1)	0.499	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.566	0.861	1.711	1.660	1.573
Rear tilt(Edge4)	0.633	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.689	0.679	0.735	0.768	0.759
Rear tilt(Edge4) Reduction	0.518	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.574	0.564	0.620	0.653	0.644

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	NR n2	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.246	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.846	0.650	0.955	0.969	0.885
Edge3	0.172	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.172	0.172	0.172	0.172	0.172
Edge4	0.622	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.675	0.664	0.654	0.633	0.634
Edge4 Reduction	1.042	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	1.095	1.084	1.074	1.053	1.054
Rear	0.383	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.977	0.622	1.034	0.993	1.012
Rear Reduction	0.630	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.224	0.869	1.281	1.240	1.259
Rear tilt(Edge1)	0.826	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.893	1.188	2.038	1.987	1.900
Rear tilt(Edge4)	0.629	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.685	0.675	0.731	0.764	0.755
Rear tilt(Edge4) Reduction	0.889	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.945	0.935	0.991	1.024	1.015

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	NR n5	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.207	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.807	0.611	0.916	0.930	0.846
Edge3	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.048	0.048	0.048	0.048
Edge4	0.413	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.466	0.455	0.445	0.424	0.425
Edge4 Reduction	0.911	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.964	0.953	0.943	0.922	0.923
Rear	0.477	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.071	0.716	1.128	1.087	1.106
Rear Reduction	0.382	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.976	0.621	1.033	0.992	1.011
Rear tilt(Edge1)	0.806	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.873	1.168	2.018	1.967	1.880
Rear tilt(Edge4)	0.838	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.894	0.884	0.940	0.973	0.964
Rear tilt(Edge4) Reduction	0.616	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.672	0.662	0.718	0.751	0.742

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	NR n41	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.204	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.804	0.608	0.913	0.927	0.843
Edge2	0.513	0.033	0.049	0.000	0.000	0.000	0.001	0.000	0.000	0.005	0.000	0.595	0.551	0.519	0.518	0.518
Edge3	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.036	0.036	0.036	0.036
Edge2 Reduction	0.725	0.033	0.049	0.000	0.000	0.000	0.001	0.000	0.000	0.005	0.000	0.807	0.763	0.731	0.730	0.730
Rear	0.312	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.906	0.551	0.963	0.922	0.941
Rear Reduction	0.124	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.718	0.363	0.775	0.734	0.753
Rear tilt(Edge1)	0.824	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.891	1.186	2.036	1.985	1.898
Rear tilt(Edge2)	0.825	0.017	0.175	0.000	0.012	0.000	0.119	0.127	0.139	0.024	0.006	1.023	0.872	0.974	0.994	0.994
Rear tilt(Edge2) Reduction	0.435	0.017	0.175	0.000	0.012	0.000	0.119	0.127	0.139	0.024	0.006	0.633	0.482	0.584	0.604	0.604

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	NR n66	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.141	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.741	0.545	0.850	0.864	0.780
Edge3	0.172	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.172	0.172	0.172	0.172	0.172
Edge4	0.733	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.786	0.775	0.765	0.744	0.745
Edge4 Reduction	0.860	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.913	0.902	0.892	0.871	0.872
Rear	0.534	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.128	0.773	1.185	1.144	1.163
Rear Reduction	0.469	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.063	0.708	1.120	1.079	1.098
Rear tilt(Edge1)	0.595	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.662	0.957	1.807	1.756	1.669
Rear tilt(Edge4)	0.822	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.878	0.868	0.924	0.957	0.948
Rear tilt(Edge4) Reduction	0.756	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.812	0.802	0.858	0.891	0.882

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	NR n71	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.271	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.871	0.675	0.980	0.994	0.910
Edge3	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014	0.014	0.014	0.014
Edge4	0.346	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.399	0.388	0.378	0.357	0.358
Edge4 Reduction	0.869	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.922	0.911	0.901	0.880	0.881
Rear	0.540	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.134	0.779	1.191	1.150	1.169
Rear Reduction	0.314	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.908	0.553	0.965	0.924	0.943
Rear tilt(Edge1)	0.658	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.725	1.020	1.870	1.819	1.732
Rear tilt(Edge4)	0.614	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.670	0.660	0.716	0.749	0.740
Rear tilt(Edge4) Reduction	0.587	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.643	0.633	0.689	0.722	0.713

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	NR n77 Block A	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.178	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.778	0.582	0.887	0.901	0.817
Edge3	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.045	0.045	0.045	0.045
Edge4	0.748	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.801	0.790	0.780	0.759	0.760
Edge4 Reduction	0.668	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.721	0.710	0.700	0.679	0.680
Rear	0.356	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.950	0.595	1.007	0.966	0.985
Rear Reduction	0.047	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.641	0.286	0.698	0.657	0.676
Rear tilt(Edge1)	0.503	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.570	0.865	1.715	1.664	1.577
Rear tilt(Edge4)	0.525	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.581	0.571	0.627	0.660	0.651
Rear tilt(Edge4) Reduction	0.176	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.232	0.222	0.278	0.311	0.302

	Mode											1+2+3+11	1+2+10+11	1+4+7+10+11	1+5+8+10+11	1+6+9+10+11
	1	2	3	4	5	6	7	8	9	10	11					
	NR n77 Block C	WLAN Main 2.4 GHz	WLAN Aux 2.4 GHz	WLAN Main 5 GHz (U-NII-2a)	WLAN Main 5 GHz (U-NII-2c)	WLAN Main 5 GHz (U-NII-3)	WLAN Aux 5 GHz (U-NII-2a)	WLAN Aux 5 GHz (U-NII-2c)	WLAN Aux 5 GHz (U-NII-3)	BT	RFID	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)	Sum of SAR [W/kg](1g)
Edge1	0.045	0.380	0.220	0.578	0.609	0.509	0.107	0.090	0.106	0.024	0.000	0.645	0.449	0.754	0.768	0.684
Edge3	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.050	0.050	0.050	0.050
Edge4	0.890	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.943	0.932	0.922	0.901	0.902
Edge4 Reduction	0.814	0.042	0.011	0.032	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.867	0.856	0.846	0.825	0.826
Rear	0.422	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	1.016	0.661	1.073	1.032	1.051
Rear Reduction	0.066	0.093	0.468	0.147	0.185	0.165	0.358	0.279	0.318	0.113	0.033	0.660	0.305	0.717	0.676	0.695
Rear tilt(Edge1)	0.660	0.227	0.840	0.290	0.336	0.228	0.787	0.690	0.711	0.135	0.000	1.727	1.022	1.872	1.821	1.734
Rear tilt(Edge4)	0.821	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.877	0.867	0.923	0.956	0.947
Rear tilt(Edge4) Reduction	0.198	0.046	0.010	0.071	0.109	0.096	0.031	0.026	0.030	0.000	0.000	0.254	0.244	0.300	0.333	0.324

The red color cells proceed next step, SPLSR.

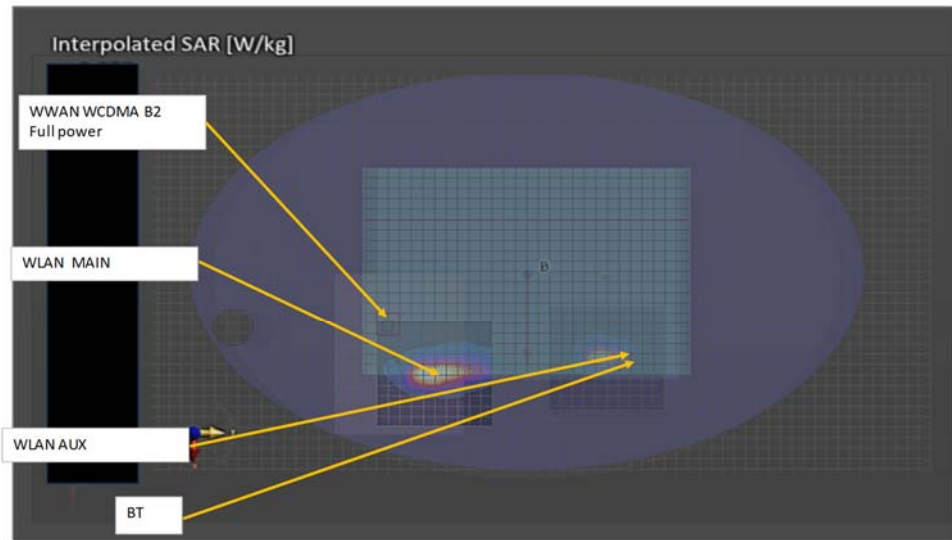
SPLSR

For 2.4 GHz aux antenna, WLAN is worst case, so WLAN combination is listed.

For another than 2.4 GHz aux antenna, such as 5GHz aux and BT, SAR value is used WLAN + BT because transmission from same antenna, but SPLSR is calculated at peak location WLAN and BT. These are expressed as WLAN side and BT side, WLAN peak location and BT peak location respectively.

RFID is not considered because no SAR values were detected.

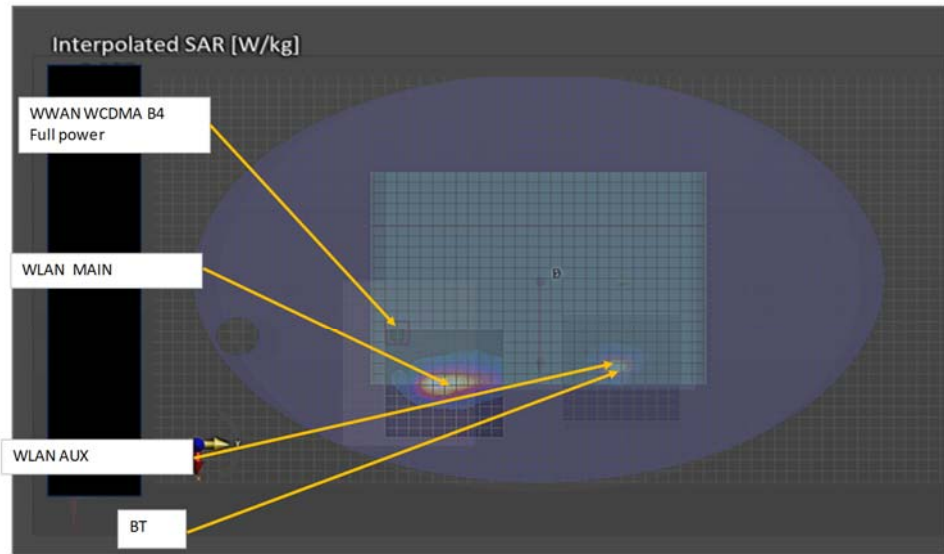
WCDMA B2



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B2	MAIN	1	47	-133	-175.77	0.614	No1+No2	0.841	68.866	0.011	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.454	205.172	0.009	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B2	MAIN	1	47	-133	-175.77	0.614	No1+No2	0.904	60.128	0.014	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.536	206.112	0.009	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.536	205.517	0.009	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B2	MAIN	1	47	-133	-175.77	0.614	No1+No2	0.950	72.578	0.013	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.439	210.716	0.008	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.439	205.517	0.008	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B2	MAIN	1	47	-133	-175.77	0.614	No1+No2	0.842	60.978	0.013	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.460	210.683	0.008	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.460	205.517	0.009	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

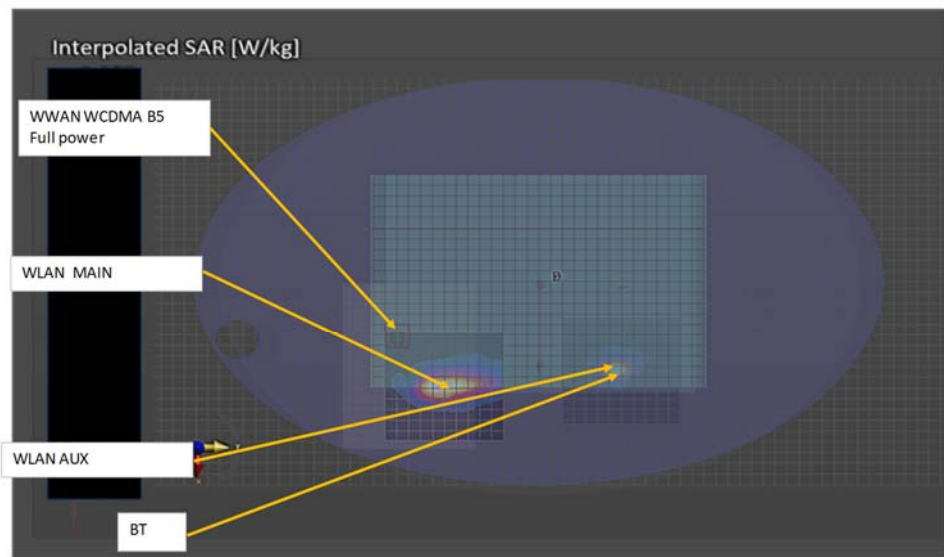
WCDMA B4



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B4	MAIN	1	37	-136.5	-180.76	0.704	No1+No2	0.931	79.084	0.011	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.544	210.669	0.009	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B4	MAIN	1	37	-136.5	-180.76	0.704	No1+No2	0.994	69.482	0.014	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.626	211.818	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.626	210.955	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B4	MAIN	1	37	-136.5	-180.76	0.704	No1+No2	1.040	82.773	0.013	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.529	216.000	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.529	210.955	0.009	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B4	MAIN	1	37	-136.5	-180.76	0.704	No1+No2	0.932	70.677	0.013	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.550	216.206	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.550	210.955	0.009	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

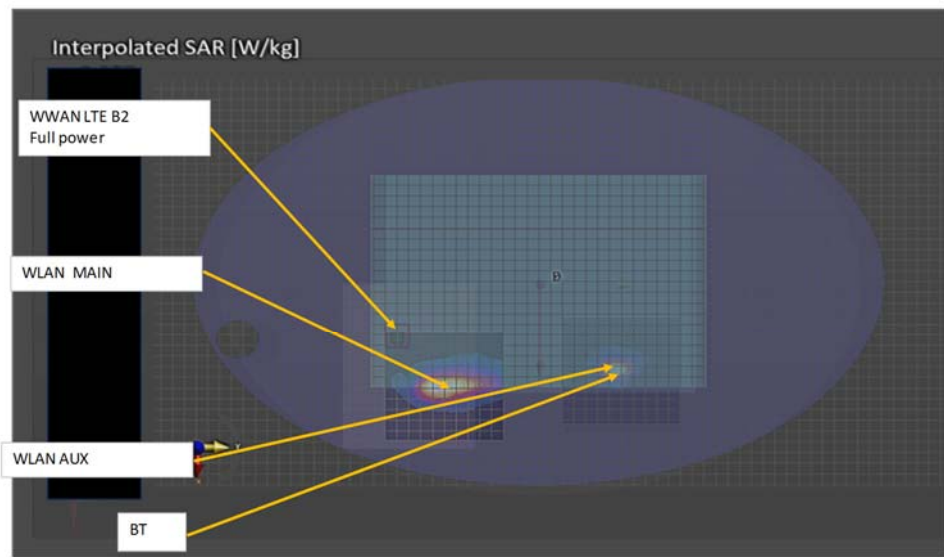
WCDMA B5



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculated distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B5	MAIN	1	50	-135.5	-175.68	0.693	No1+No2	0.920	68.337	0.013	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.533	207.136	0.009	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B5	MAIN	1	50	-135.5	-175.68	0.693	No1+No2	0.983	60.289	0.016	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.615	207.971	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.615	207.478	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B5	MAIN	1	50	-135.5	-175.68	0.693	No1+No2	1.029	71.838	0.015	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.518	212.731	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.518	207.478	0.009	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
WCDMA B5	MAIN	1	50	-135.5	-175.68	0.693	No1+No2	0.921	60.833	0.015	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.539	212.609	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.539	207.478	0.009	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

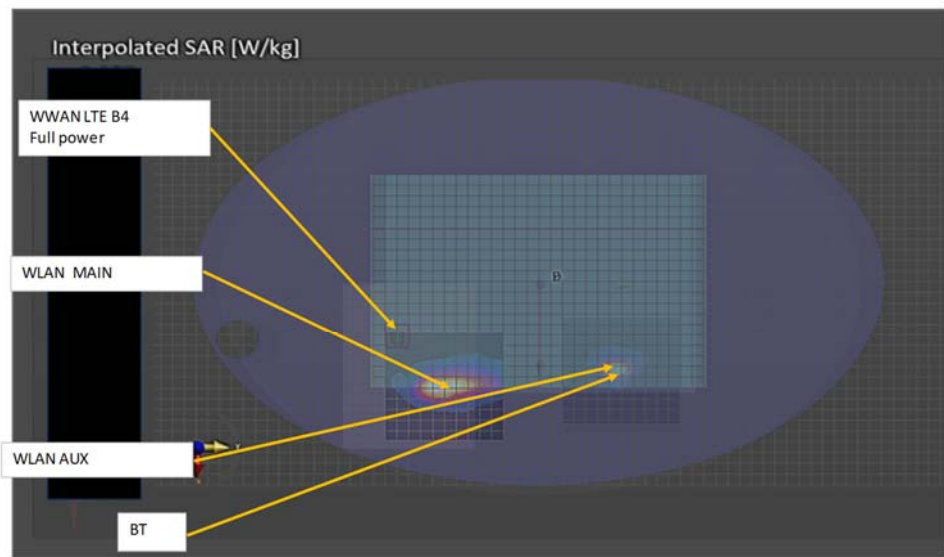
LTE B2



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 2	MAIN	1	64	-129.5	-180.08	0.891	No1+No2	1.118	54.692	0.022	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.731	199.487	0.011	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 2	MAIN	1	64	-129.5	-180.08	0.891	No1+No2	1.181	47.997	0.027	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.813	199.845	0.012	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.813	199.749	0.012	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 2	MAIN	1	64	-129.5	-180.08	0.891	No1+No2	1.227	57.571	0.024	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.716	205.204	0.011	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.716	199.749	0.011	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 2	MAIN	1	64	-129.5	-180.08	0.891	No1+No2	1.119	47.799	0.025	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.737	204.730	0.011	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.737	199.749	0.011	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

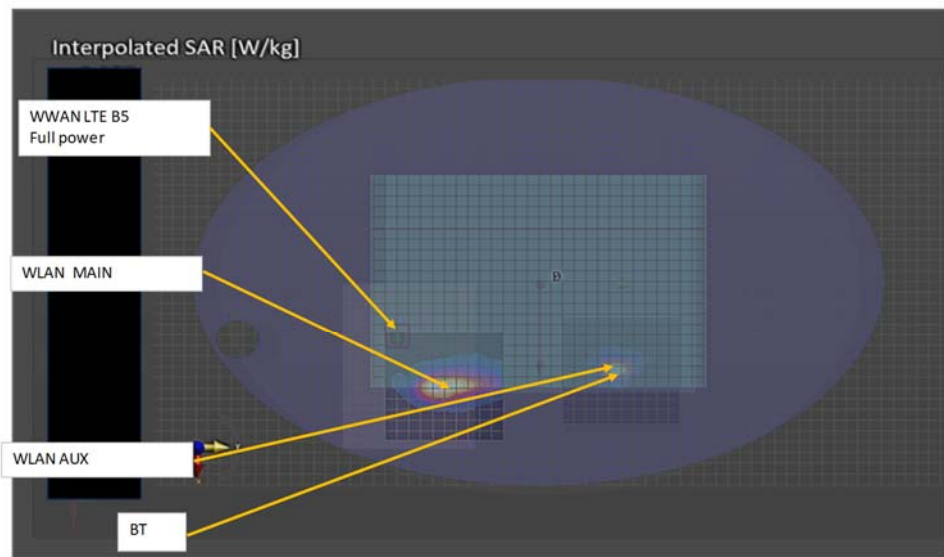
LTE B4



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 4	MAIN	1	38.5	-134.5	-180.63	0.741	No1+No2	0.968	76.672	0.012	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.581	208.390	0.010	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 4	MAIN	1	38.5	-134.5	-180.63	0.741	No1+No2	1.031	66.998	0.016	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.663	209.509	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.663	208.676	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 4	MAIN	1	38.5	-134.5	-180.63	0.741	No1+No2	1.077	80.392	0.014	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.566	213.739	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.566	208.676	0.009	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 4	MAIN	1	38.5	-134.5	-180.63	0.741	No1+No2	0.969	68.220	0.014	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.587	213.918	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.587	208.676	0.010	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

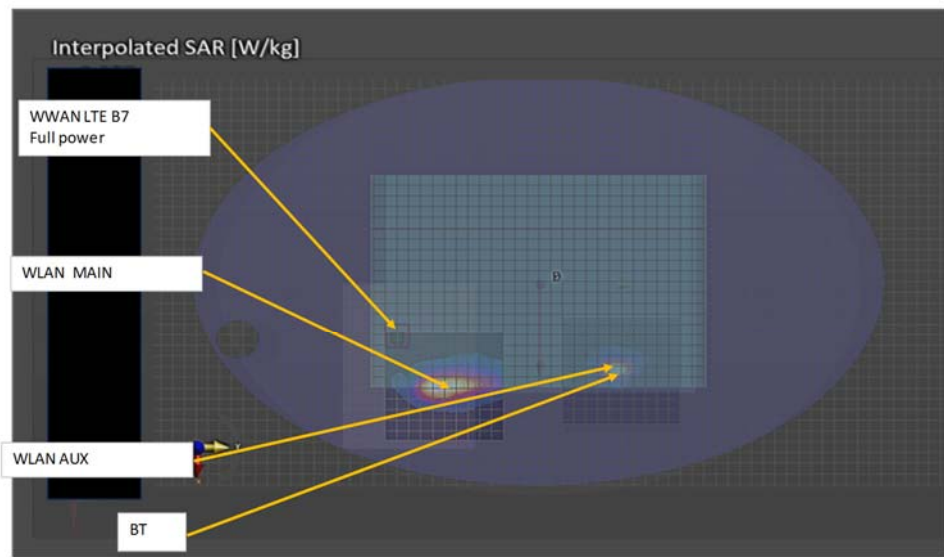
LTE B5



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 5	MAIN	1	39.5	-136	-180.6	0.743	No1+No2	0.970	76.810	0.012	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.583	209.644	0.010	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 5	MAIN	1	39.5	-136	-180.6	0.743	No1+No2	1.033	67.399	0.016	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.665	210.725	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.665	209.930	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 5	MAIN	1	39.5	-136	-180.6	0.743	No1+No2	1.079	80.447	0.014	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.568	215.015	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.568	209.930	0.009	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 5	MAIN	1	39.5	-136	-180.6	0.743	No1+No2	0.971	68.499	0.014	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.589	215.160	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.589	209.930	0.010	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

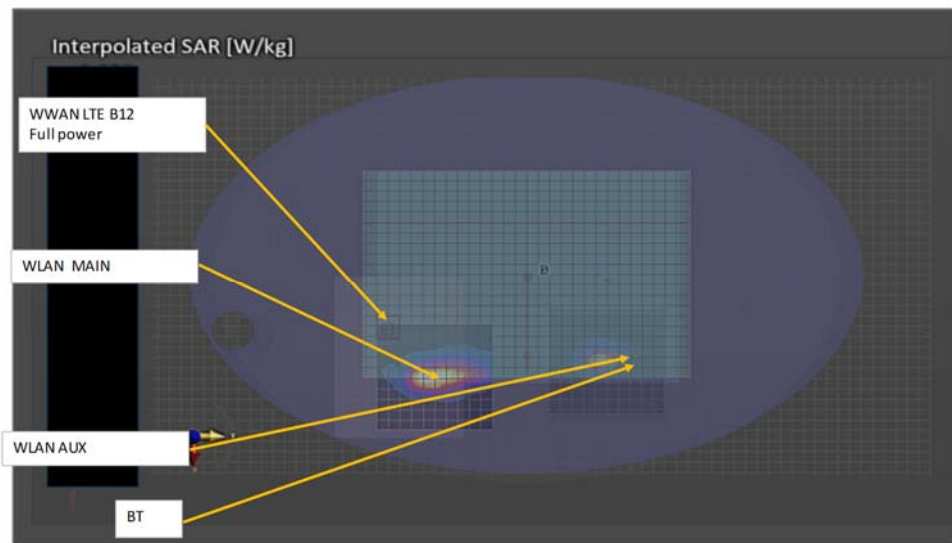
LTE B7



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculated distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 7	MAIN	1	34	-121.5	-180.88	0.854	No1+No2	1.081	73.536	0.015	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.694	196.793	0.011	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 7	MAIN	1	34	-121.5	-180.88	0.854	No1+No2	1.144	62.059	0.020	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.776	198.142	0.012	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.776	197.080	0.012	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 7	MAIN	1	34	-121.5	-180.88	0.854	No1+No2	1.190	77.805	0.017	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.679	202.010	0.011	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.679	197.080	0.011	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 7	MAIN	1	34	-121.5	-180.88	0.854	No1+No2	1.082	64.174	0.018	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.700	202.386	0.011	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.700	197.080	0.011	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

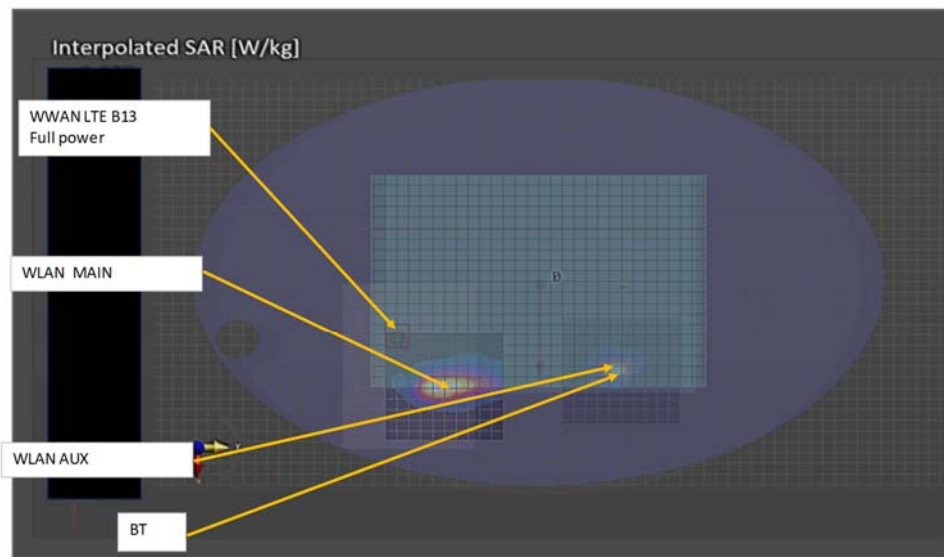
LTE B12



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 12	MAIN	1	60.5	-117	-180.49	0.416	No1+No2	0.706	39.339	0.015	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.338	187.968	0.008	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.338	187.710	0.008	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No

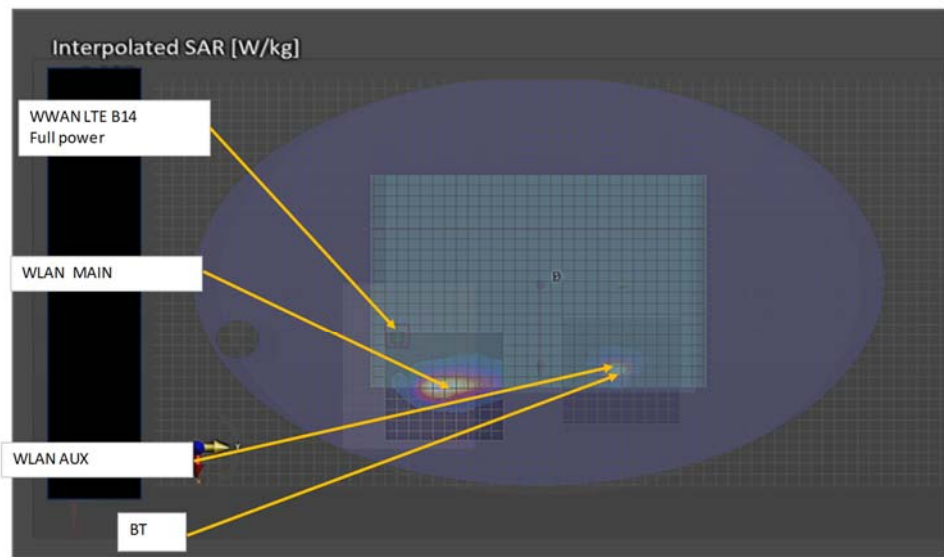
LTE B13



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 13	MAIN	1	40.5	-133	-180.65	0.656	No1+No2	0.883	74.183	0.011	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.496	206.506	0.009	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 13	MAIN	1	40.5	-133	-180.65	0.656	No1+No2	0.946	64.535	0.014	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.578	207.575	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.578	206.790	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 13	MAIN	1	40.5	-133	-180.65	0.656	No1+No2	0.992	77.897	0.013	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.481	211.881	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.481	206.790	0.009	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 13	MAIN	1	40.5	-133	-180.65	0.656	No1+No2	0.884	65.734	0.013	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.502	212.016	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.502	206.790	0.009	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

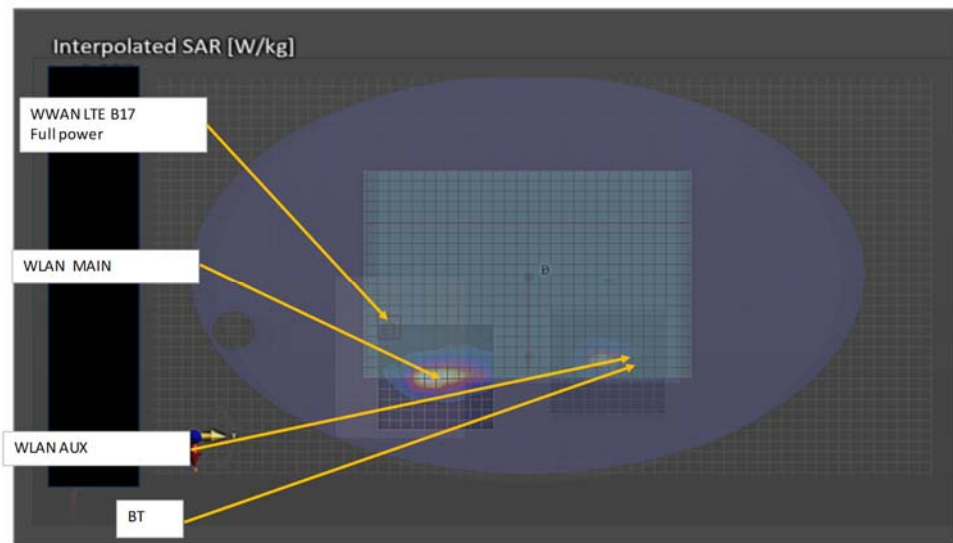
LTE B14



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 14	MAIN	1	41.5	-133	-180.65	0.740	No1+No2	0.967	73.396	0.013	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.580	206.303	0.010	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 14	MAIN	1	41.5	-133	-180.65	0.740	No1+No2	1.030	63.848	0.016	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.662	207.342	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.662	206.585	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 14	MAIN	1	41.5	-133	-180.65	0.740	No1+No2	1.076	77.078	0.014	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.565	211.693	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.565	206.585	0.009	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 14	MAIN	1	41.5	-133	-180.65	0.740	No1+No2	0.968	64.997	0.015	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.586	211.803	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.586	206.585	0.010	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

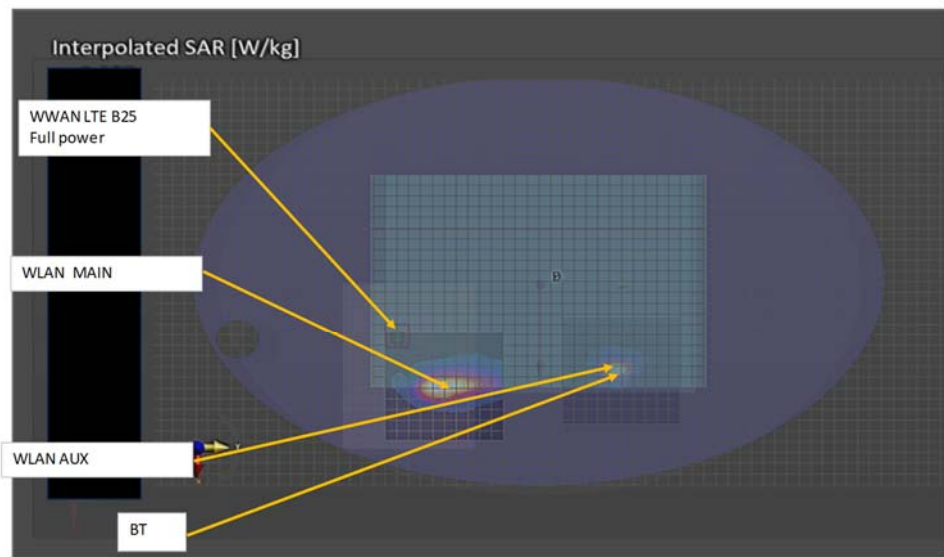
LTE B17



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 17	MAIN	1	56	-121	-180.63	0.409	No1+No2	0.699	45.280	0.013	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.331	192.652	0.008	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.331	192.268	0.008	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No

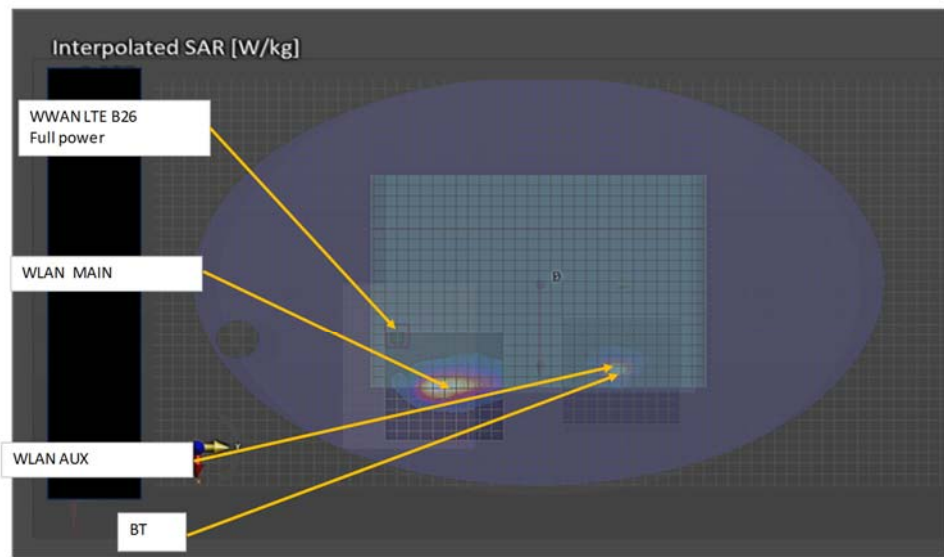
LTE B25



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 25	MAIN	1	37.5	-135	-180.66	0.882	No1+No2	1.109	77.768	0.015	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.722	209.094	0.011	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 25	MAIN	1	37.5	-135	-180.66	0.882	No1+No2	1.172	68.054	0.019	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.804	210.240	0.012	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.804	209.381	0.012	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 25	MAIN	1	37.5	-135	-180.66	0.882	No1+No2	1.218	81.498	0.016	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.707	214.429	0.010	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.707	209.381	0.011	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 25	MAIN	1	37.5	-135	-180.66	0.882	No1+No2	1.110	69.299	0.017	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.728	214.630	0.011	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.728	209.381	0.011	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

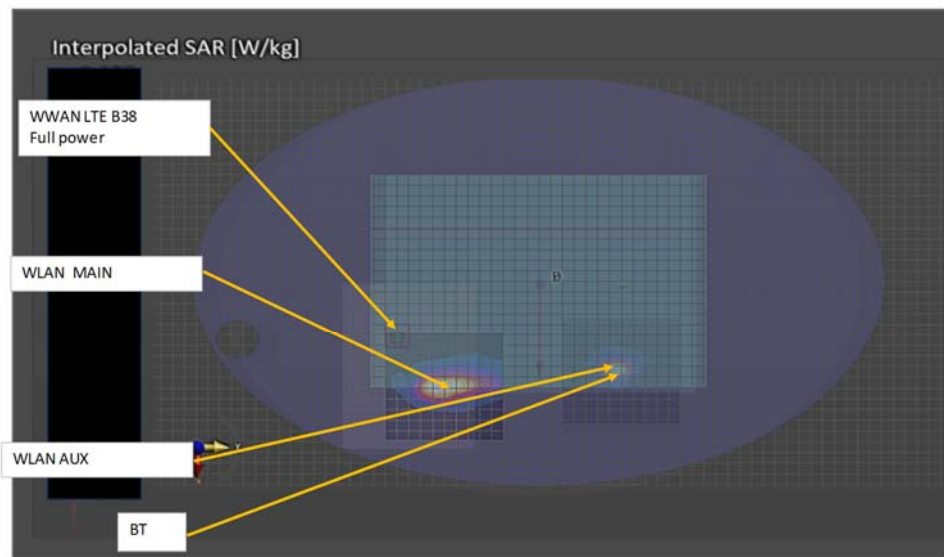
LTE B26



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 26	MAIN	1	50.5	-134	-175.69	0.742	No1+No2	0.969	66.939	0.014	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.582	205.576	0.010	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 26	MAIN	1	50.5	-134	-175.69	0.742	No1+No2	1.032	58.780	0.018	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.664	206.403	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.664	205.917	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 26	MAIN	1	50.5	-134	-175.69	0.742	No1+No2	1.078	70.485	0.016	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.567	211.175	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.567	205.917	0.010	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 26	MAIN	1	50.5	-134	-175.69	0.742	No1+No2	0.970	59.367	0.016	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.588	211.046	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.588	205.917	0.010	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

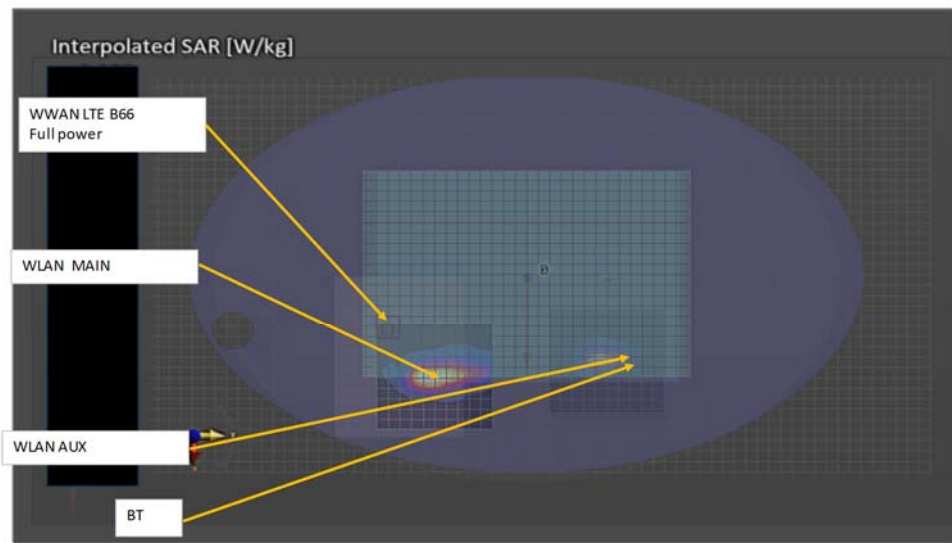
LTE B38



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 38	MAIN	1	21.2	-128.8	-180.93	0.578	No1+No2	0.805	88.210	0.008	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.418	207.312	0.008	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 38	MAIN	1	21.2	-128.8	-180.93	0.578	No1+No2	0.868	76.733	0.011	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.500	208.981	0.009	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.500	207.613	0.009	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 38	MAIN	1	21.2	-128.8	-180.93	0.578	No1+No2	0.914	92.486	0.009	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.403	212.344	0.008	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.403	207.613	0.008	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 38	MAIN	1	21.2	-128.8	-180.93	0.578	No1+No2	0.806	78.889	0.009	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.424	212.998	0.008	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.424	207.613	0.008	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

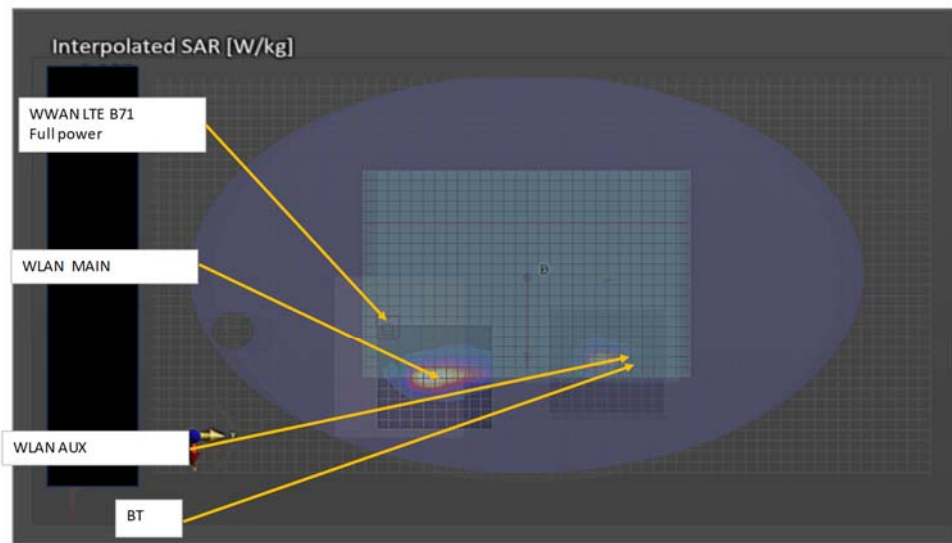
LTE B66



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 66	MAIN	1	38.5	-134	-180.65	0.732	No1+No2	0.959	76.371	0.012	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.572	207.902	0.009	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 66	MAIN	1	38.5	-134	-180.65	0.732	No1+No2	1.022	66.642	0.016	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.654	209.025	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.654	208.188	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 66	MAIN	1	38.5	-134	-180.65	0.732	No1+No2	1.068	80.108	0.014	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.557	213.249	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.557	208.188	0.009	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 66	MAIN	1	38.5	-134	-180.65	0.732	No1+No2	0.960	67.888	0.014	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.578	213.431	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.578	208.188	0.010	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

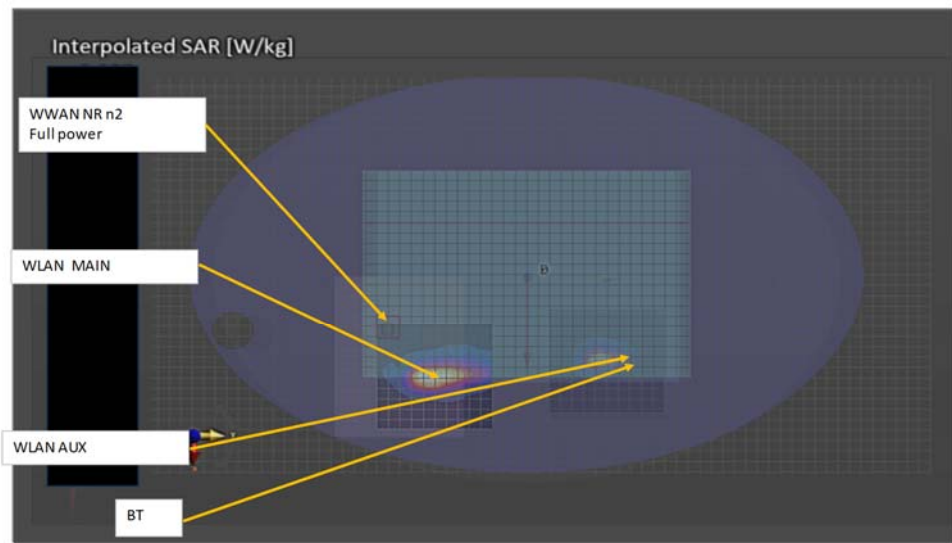
LTE B71



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 71	MAIN	1	34	-131.5	-179.72	0.499	No1+No2	0.789	68.144	0.010	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.421	207.742	0.008	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.421	206.758	0.008	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
LTE Band 71	MAIN	1	34	-131.5	-179.72	0.499	No1+No2	0.835	82.486	0.009	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.324	211.732	0.007	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.324	206.758	0.007	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No

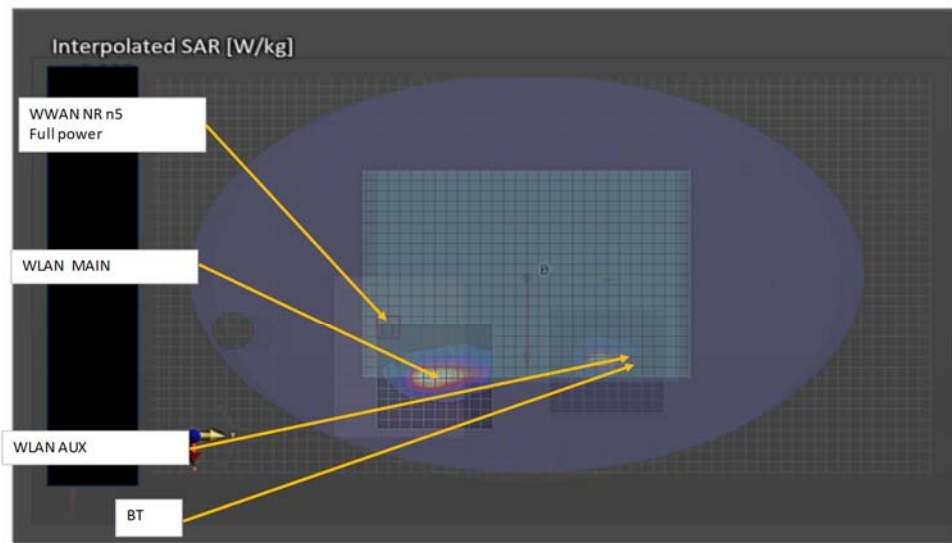
NR n2



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n2	MAIN	1	30.5	-132.5	-181.08	0.826	No1+No2	1.053	82.075	0.013	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.666	208.319	0.010	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n2	MAIN	1	30.5	-132.5	-181.08	0.826	No1+No2	1.116	71.511	0.016	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.748	209.684	0.011	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.748	208.608	0.011	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n2	MAIN	1	30.5	-132.5	-181.08	0.826	No1+No2	1.162	86.053	0.015	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.651	213.525	0.010	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.651	208.608	0.010	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n2	MAIN	1	30.5	-132.5	-181.08	0.826	No1+No2	1.054	73.175	0.015	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.672	213.919	0.010	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.672	208.608	0.010	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

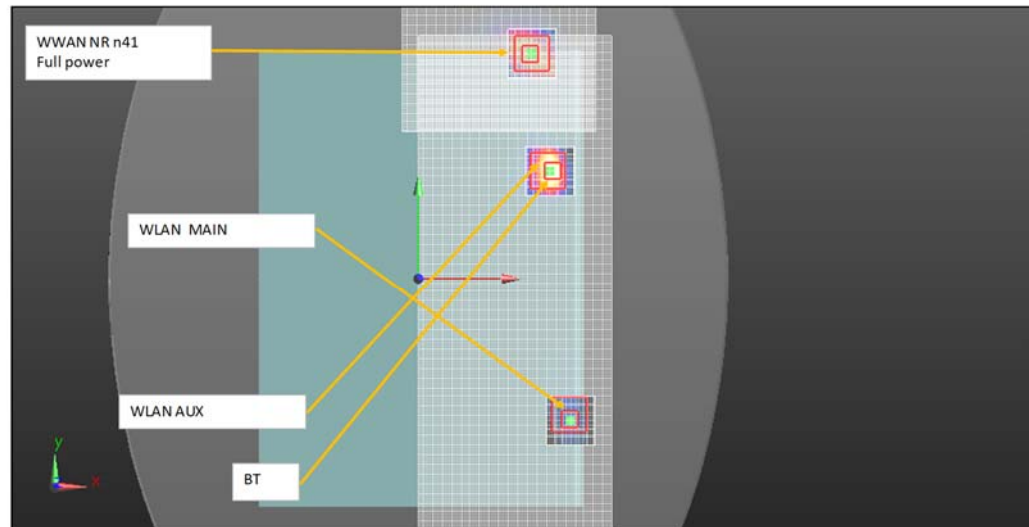
NR n5



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n5	MAIN	1	50	-134.5	-180.48	0.806	No1+No2	1.033	67.934	0.015	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.646	206.241	0.010	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n5	MAIN	1	50	-134.5	-180.48	0.806	No1+No2	1.096	59.566	0.019	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.728	207.014	0.011	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.728	206.516	0.011	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n5	MAIN	1	50	-134.5	-180.48	0.806	No1+No2	1.142	71.262	0.017	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.631	211.766	0.010	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.631	206.516	0.010	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n5	MAIN	1	50	-134.5	-180.48	0.806	No1+No2	1.034	60.158	0.017	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.652	211.648	0.010	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.652	206.516	0.010	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

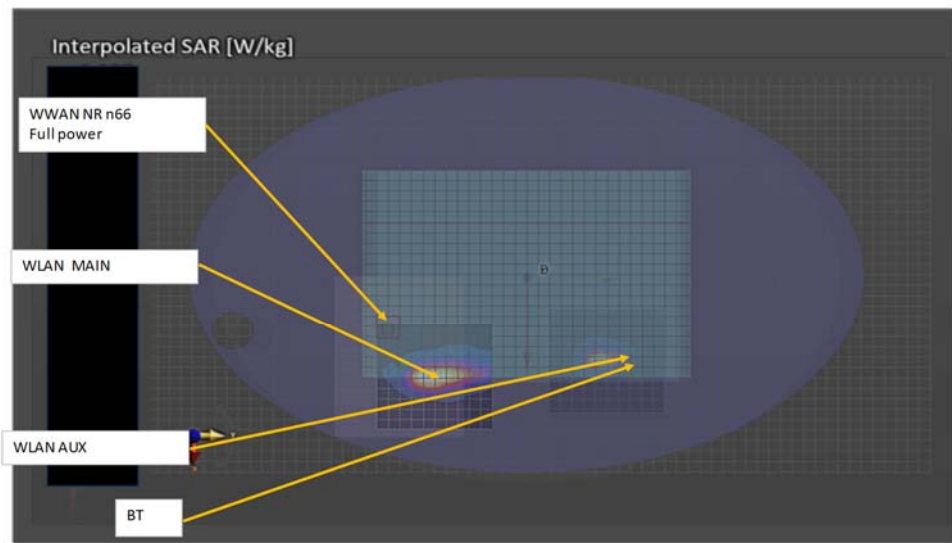
NR n41



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n41	MAIN	1	69.4	138	-179.74	0.824	No1+No2	1.051	228.015	0.005	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.664	70.534	0.030	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n41	MAIN	1	69.4	138	-179.74	0.824	No1+No2	1.114	225.065	0.005	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.746	72.180	0.032	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.746	70.126	0.033	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n41	MAIN	1	69.4	138	-179.74	0.824	No1+No2	1.160	229.303	0.005	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.649	64.064	0.033	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.649	70.126	0.030	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n41	MAIN	1	69.4	138	-179.74	0.824	No1+No2	1.052	227.878	0.005	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.670	66.225	0.033	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.670	70.126	0.031	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

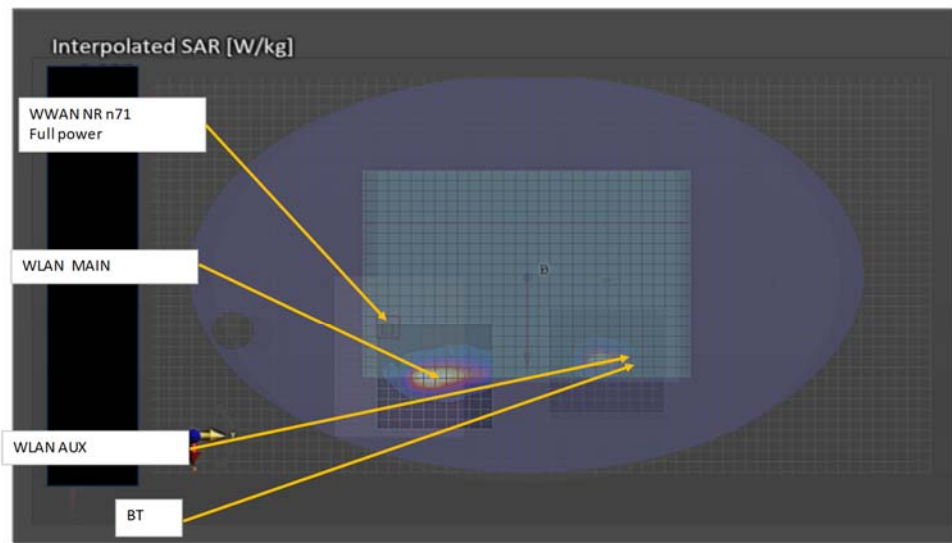
NR n66



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n66	MAIN	1	35	-136.5	-180.79	0.595	No1+No2	0.822	80.667	0.009	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.435	211.115	0.008	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n66	MAIN	1	35	-136.5	-180.79	0.595	No1+No2	0.885	70.883	0.012	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.517	212.322	0.009	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.517	211.403	0.009	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n66	MAIN	1	35	-136.5	-180.79	0.595	No1+No2	0.931	84.411	0.011	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.420	216.414	0.008	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.420	211.403	0.008	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n66	MAIN	1	35	-136.5	-180.79	0.595	No1+No2	0.823	72.168	0.010	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.441	216.670	0.008	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.441	211.403	0.008	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

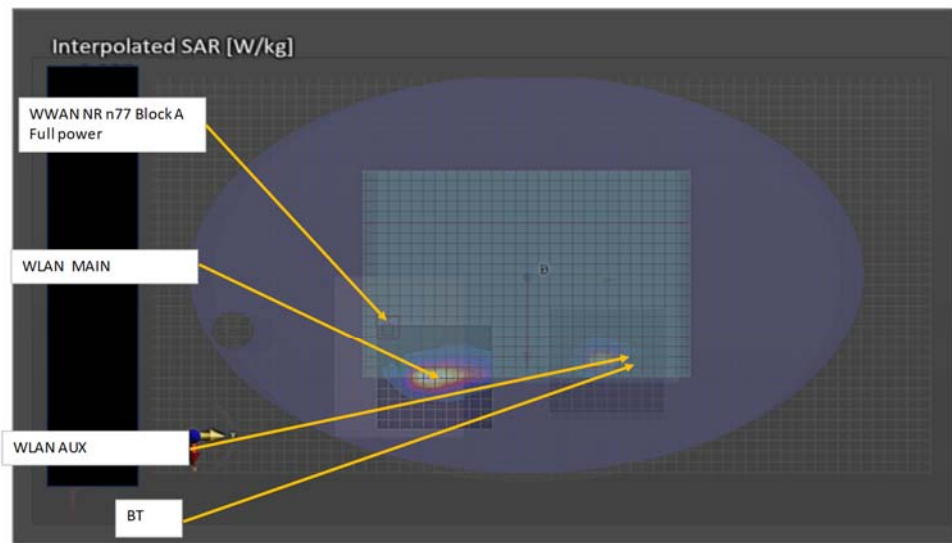
NR n71



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n71	MAIN	1	40.5	-129	-180.9	0.658	No1+No2	0.885	71.851	0.012	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.498	202.603	0.009	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n71	MAIN	1	40.5	-129	-180.9	0.658	No1+No2	0.948	61.730	0.015	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.580	203.695	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.580	202.883	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n71	MAIN	1	40.5	-129	-180.9	0.658	No1+No2	0.994	75.701	0.013	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.483	207.960	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.483	202.883	0.009	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n71	MAIN	1	40.5	-129	-180.9	0.658	No1+No2	0.886	63.142	0.013	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.504	208.117	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.504	202.883	0.009	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

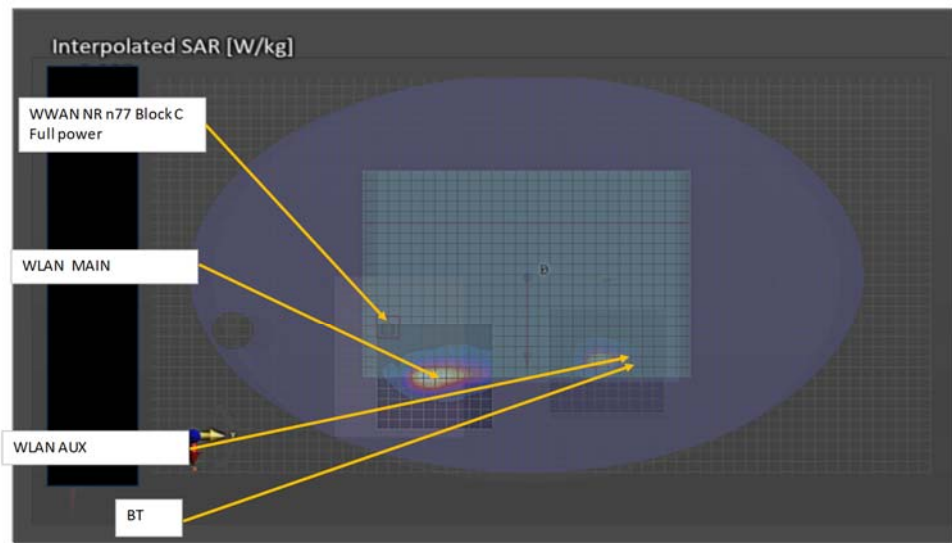
NR n77 Block A



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n77 Block A	MAIN	1	49.6	-141.4	-174.51	0.503	No1+No2	0.793	65.425	0.011	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.425	213.851	0.008	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.425	213.377	0.008	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n77 Block A	MAIN	1	49.6	-141.4	-174.51	0.503	No1+No2	0.839	76.139	0.010	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.328	218.638	0.007	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.328	213.377	0.007	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No

NR n77 Block C



※Plot shows only worst-case scenario.

Mode	Ant	No	X (mm)	Y (mm)	Z (mm)	Scaled	Combination	Σ 1-g SAR (W/kg)	Calculate d distance (mm)	SPLSR (≤ 0.04)	Volume Scan (Yes/No)
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n77 Block C	MAIN	1	56.4	-135.8	-174.83	0.660	No1+No2	0.887	64.100	0.013	No
WLAN2.4 GHz	MAIN	2	99.1	-88	-174	0.227	No1+No3	1.500	206.509	0.009	No
WLAN2.4 GHz	AUX	3	82.9	69	-174.1	0.840	No2+No3	1.067	157.834	0.007	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n77 Block C	MAIN	1	56.4	-135.8	-174.83	0.660	No1+No2	0.950	57.087	0.016	No
WLAN5 GHz (U-NII-2a)	MAIN	2	85.1	-86.5	-177	0.290	No1+No3	1.582	207.157	0.010	No
WLAN5 GHz (U-NII-2a)+BT(WLAN side)	AUX	3	89.4	68.7	-177	0.922	No1+No4	1.582	206.855	0.010	No
WLAN5 GHz (U-NII-2a)+BT(BT side)	AUX	4	83.2	69.3	-177	0.922	No2+No3	1.212	155.260	0.009	No
							No2+No4	1.212	155.812	0.009	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n77 Block C	MAIN	1	56.4	-135.8	-174.83	0.660	No1+No2	0.996	67.354	0.015	No
WLAN5 GHz (U-NII-2c)	MAIN	2	104.4	-88.6	-177	0.336	No1+No3	1.485	212.207	0.009	No
WLAN5 GHz (U-NII-2c)+BT(WLAN side)	AUX	3	80.7	75	-177	0.825	No1+No4	1.485	206.855	0.009	No
WLAN5 GHz (U-NII-2c)+BT(BT side)	AUX	4	83.2	69.3	-177	0.825	No2+No3	1.161	165.308	0.008	No
							No2+No4	1.161	159.317	0.008	No
WWAN + WLAN Main + WLAN AUX + RFID											
NR Band n77 Block C	MAIN	1	56.4	-135.8	-174.83	0.660	No1+No2	0.888	57.191	0.015	No
WLAN5 GHz (U-NII-3)	MAIN	2	89.2	-89	-177	0.228	No1+No3	1.506	211.917	0.009	No
WLAN5 GHz (U-NII-3)+BT(WLAN side)	AUX	3	86.2	74	-177	0.846	No1+No4	1.506	206.855	0.009	No
WLAN5 GHz (U-NII-3)+BT(BT side)	AUX	4	83.2	69.3	-177	0.846	No2+No3	1.074	163.028	0.007	No
							No2+No4	1.074	158.414	0.007	No

The SPLSR is less than equal 0.04, complied.

TER

V = VAN + RFID + BT

Test Position	Highest SAR	Ratio	RFID SAR	Ratio	Aux BT	Ratio
Edge1	0.409	0.256	0.000	0.000	0.024	0.015
Edge2	0.513	0.321	0.000	0.000	0.005	0.003
Edge2 Reduction	0.725	0.453	0.000	0.000	0.005	0.003
Edge3	0.240	0.150	0.000	0.000	0.000	0.000
Edge4	0.890	0.556	0.000	0.000	0.000	0.000
Edge4 Reduction	1.042	0.651	0.000	0.000	0.000	0.000
Rear	0.621	0.388	0.033	0.021	0.113	0.071
Rear Reduction	0.630	0.394	0.033	0.021	0.113	0.071
Rear tilt (Edge 1 side)	0.891	0.557	0.000	0.000	0.135	0.084
Rear tilt (Edge 2 side)	0.825	0.516	0.006	0.004	0.024	0.015
Rear tilt (Edge 2 side) Reduction	0.435	0.272	0.006	0.004	0.024	0.015
Rear tilt (Edge 4 side)	1.027	0.642	0.000	0.000	0.000	0.000
Rear tilt (Edge 4 side) Reduction	1.074	0.671	0.000	0.000	0.000	0.000

TER
0.531
0.347
0.480
0.157
0.573
0.668
0.671
0.677
0.991
0.624
0.380
0.721
0.750

WLAN(6E) + WLAN(6E)

Test Position	Main Ant	Ratio	Aux Ant	Ratio
Edge1	1.911	0.191	0.697	0.070
Edge2	0.082	0.008	0.152	0.015
Edge2 Reduction	0.082	0.008	0.152	0.015
Edge3	0.036	0.004	0.030	0.003
Edge4	0.150	0.015	0.016	0.002
Edge4 Reduction	0.150	0.015	0.016	0.002
Rear	0.801	0.080	1.119	0.112
Rear Reduction	0.801	0.080	1.119	0.112
Rear tilt (Edge 1 side)	1.209	0.121	2.288	0.229
Rear tilt (Edge 2 side)	0.060	0.006	0.832	0.083
Rear tilt (Edge 2 side) Reduction	0.060	0.006	0.832	0.083
Rear tilt (Edge 4 side)	0.651	0.065	0.136	0.014
Rear tilt (Edge 4 side) Reduction	0.651	0.065	0.136	0.014

The TER is less than 1, complied.

End of the report