



In Collaboration with

s p e a g
CALIBRATION LABORATORY

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
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E-mail: cttl@chinattl.com http://www.chinattl.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

- DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured:** SAR measured at the stated antenna input power.
- SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3900 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.5	3.32 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	37.1 $\pm$ 6 %	3.31 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.80 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	67.9 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.38 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.7 W/kg $\pm$ 24.2 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	49.9Ω - 6.11jΩ
Return Loss	- 24.3dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.013 ns
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 10.25.2021

Test Laboratory: CTTL, Beijing, China

DUT: Dipole D3900V2; Type: D3900V2; Serial: D3900V2 - SN: 1055

Communication System: CW; Frequency: 3900 MHz

Medium parameters used: $f = 3900$ MHz; $\sigma = 3.31$ S/m; $\epsilon_r = 37.12$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(6.36, 6.36, 6.36) @ 3900 MHz; Calibrated: 2021-02-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2021-01-15
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Dipole Calibration /Pin=100mW, d=10mm, f=3900 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.07 V/m; Power Drift = -0.03 dB

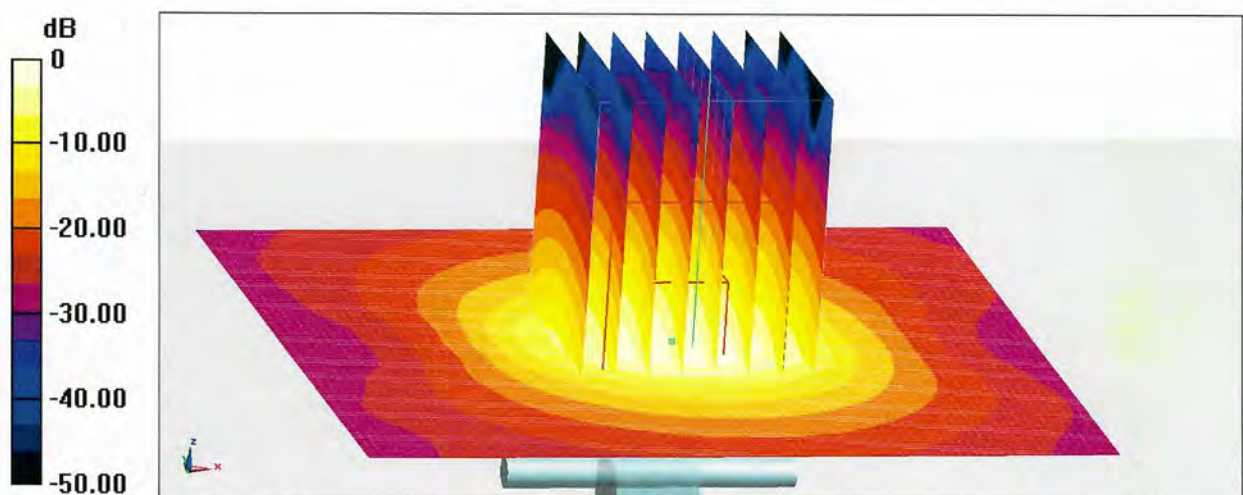
Peak SAR (extrapolated) = 20.0 W/kg

SAR(1 g) = 6.8 W/kg; SAR(10 g) = 2.38 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 72.6%

Maximum value of SAR (measured) = 13.7 W/kg



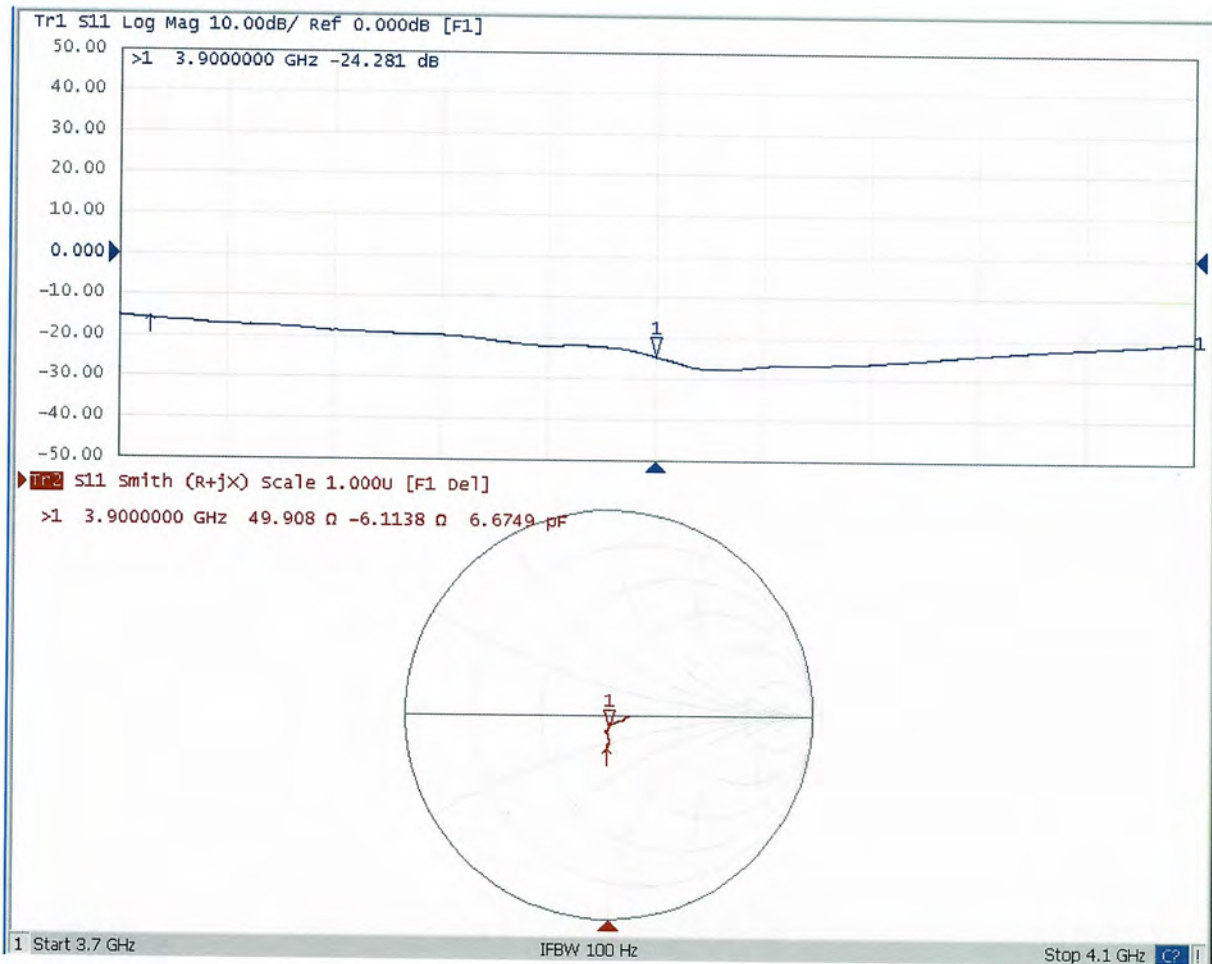
0 dB = 13.7 W/kg = 11.37 dBW/kg



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Impedance Measurement Plot for Head TSL



D3900V2 - SN: 1055 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss ($< -20\text{dB}$, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

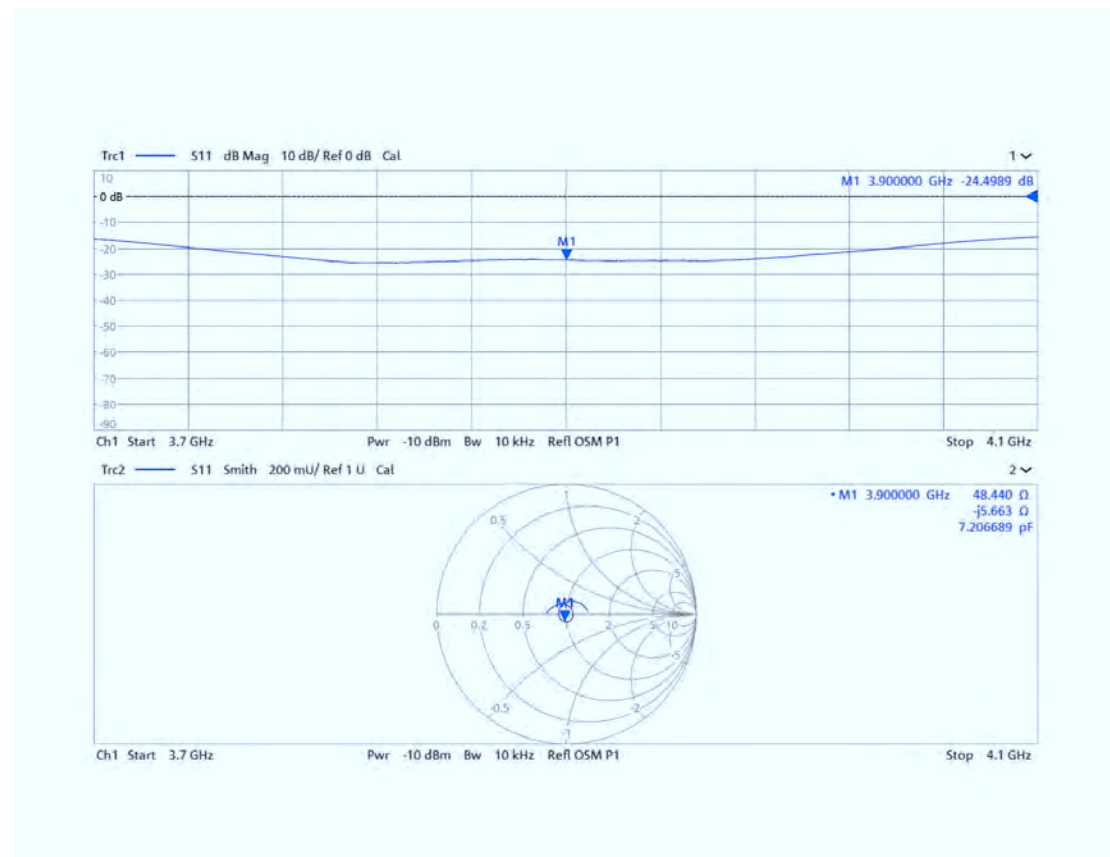
D3900V2 - SN: 1055						
3900MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
10.25.2021	-24.3		49.9		-6.11	
10.24.2022	-24.50	0.82	48.44	-1.46	-5.66	0.45
10.23.2023	-27.48	13.09	53.56	3.66	-2.37	3.75

<Justification of the extended calibration>

The return loss is $< -20\text{dB}$, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data>

Head 3900MHz _2022.10.24

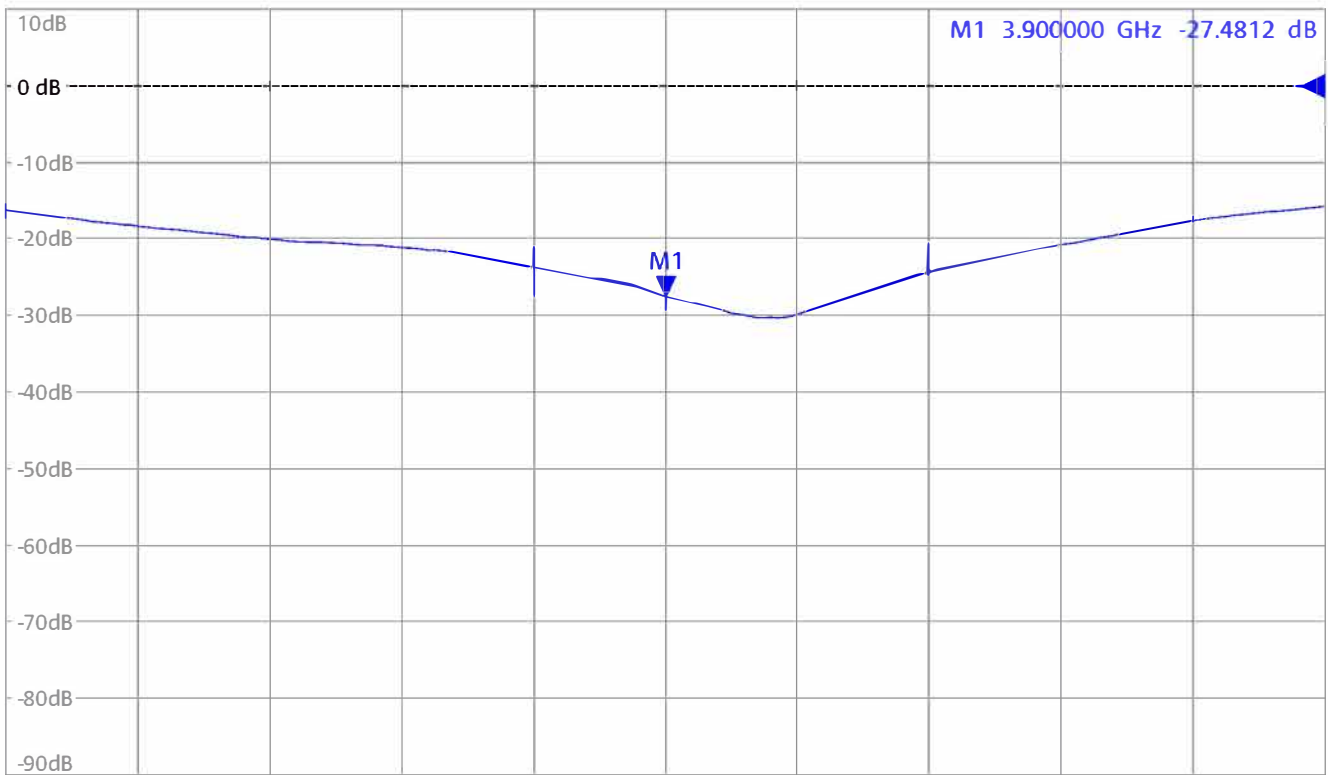


<Dipole Verification Data>

Head 3900MHz _2023.10.23

Trc1 — S11 dB Mag 10 dB/ Ref 0 dB Cal

1 ▾

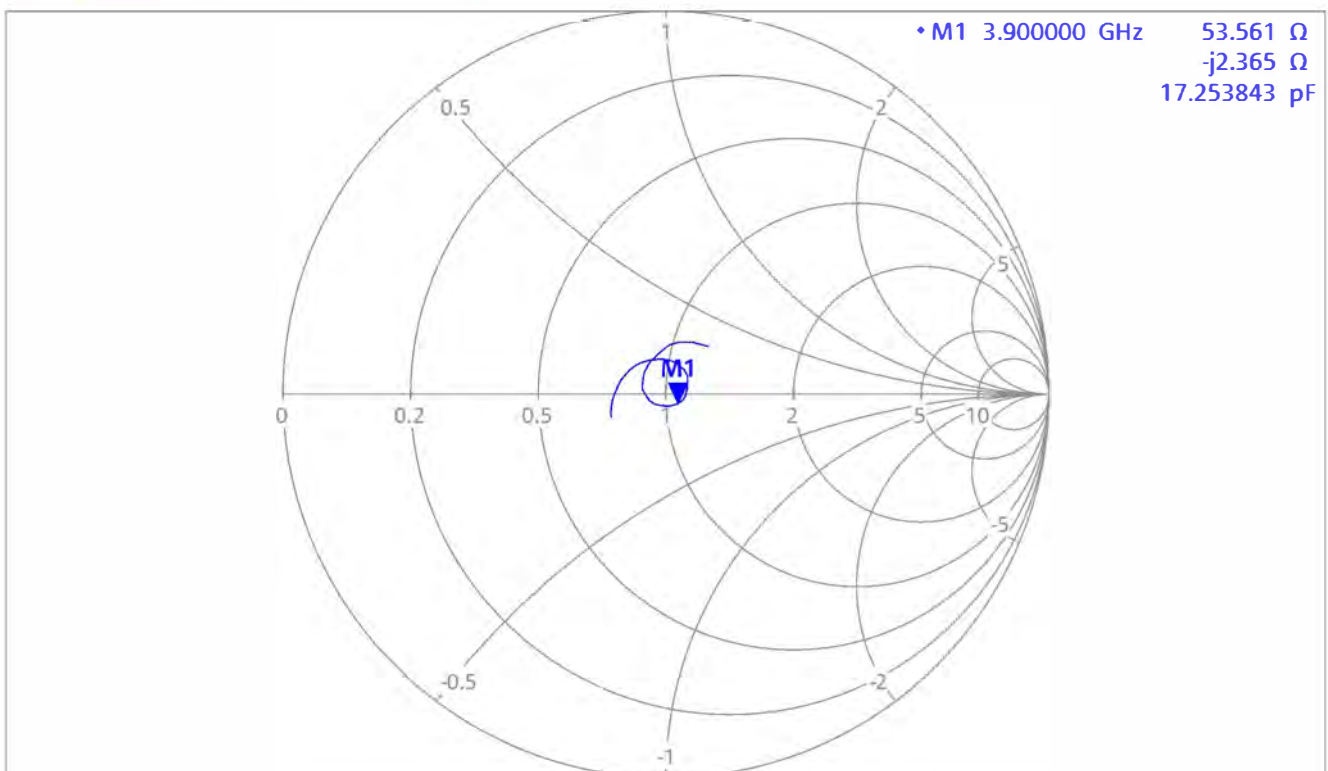


Ch1 Start 3.7 GHz Pwr -10 dBm Bw 10 kHz Refl OSM P1

Stop 4.1 GHz

Trc2 — S11 Smith 200 mU/ Ref 1 U Cal

2 ▾



Ch1 Start 3.7 GHz Pwr -10 dBm Bw 10 kHz Refl OSM P1

Stop 4.1 GHz



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Client

7layers

Certificate No: Z21-60431

CALIBRATION CERTIFICATE

Object D5GHzV2 - SN: 1315

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: October 22, 2021

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm3)^{\circ}\text{C}$ and humidity $<70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Power sensor NRP8S	104291	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
ReferenceProbe EX3DV4	SN 7517	03-Feb-21(CTTL-SPEAG,No.Z21-60001)	Feb-22
DAE4	SN 1556	15-Jan-21(SPEAG,No.DAE4-1556_Jan21)	Jan-22
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzerE5071C	MY46110673	14-Jan-21 (CTTL, No.J21X00232)	Jan-22

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: October 27, 2021

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

- DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured:** SAR measured at the stated antenna input power.
- SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	5250 MHz $\pm$ 1 MHz 5600 MHz $\pm$ 1 MHz 5750 MHz $\pm$ 1 MHz	

Head TSL parameters at 5250 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.71 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	36.6 $\pm$ 6 %	4.70 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5250 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.66 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	76.9 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.20 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.1 W/kg $\pm$ 24.2 % (k=2)



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Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	36.0 ± 6 %	5.08 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.17 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	81.9 W/kg ± 24.4 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.34 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.5 W/kg ± 24.2 % (k=2)

Head TSL parameters at 5750 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.4	5.22 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.8 ± 6 %	5.25 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5750 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.59 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	76.1 W/kg ± 24.4 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.16 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	21.7 W/kg ± 24.2 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 5250 MHz

Impedance, transformed to feed point	$50.5\Omega - 3.27j\Omega$
Return Loss	- 29.7dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	$54.2\Omega + 0.81j\Omega$
Return Loss	- 27.8dB

Antenna Parameters with Head TSL at 5750 MHz

Impedance, transformed to feed point	$49.4\Omega + 1.99j\Omega$
Return Loss	- 33.6dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.098 ns
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

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DASY5 Validation Report for Head TSL

Date: 10.22.2021

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1315

Communication System: CW; Frequency: 5250 MHz, Frequency: 5600 MHz,
Frequency: 5750 MHz,

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.704$ S/m; $\epsilon_r = 36.62$; $\rho = 1000$ kg/m³,
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.084$ S/m; $\epsilon_r = 36$; $\rho = 1000$ kg/m³,
Medium parameters used: $f = 5750$ MHz; $\sigma = 5.248$ S/m; $\epsilon_r = 35.78$; $\rho = 1000$ kg/m³,

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(5.42, 5.42, 5.42) @ 5250 MHz; ConvF(4.75, 4.75, 4.75) @ 5600 MHz; ConvF(4.82, 4.82, 4.82) @ 5750 MHz; Calibrated: 2021-02-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2021-01-15
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Dipole Calibration /Pin=100mW, d=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 70.32 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.0 W/kg

SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.2 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 65%

Maximum value of SAR (measured) = 18.2 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 71.09 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 34.9 W/kg

SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.34 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 19.9 W/kg

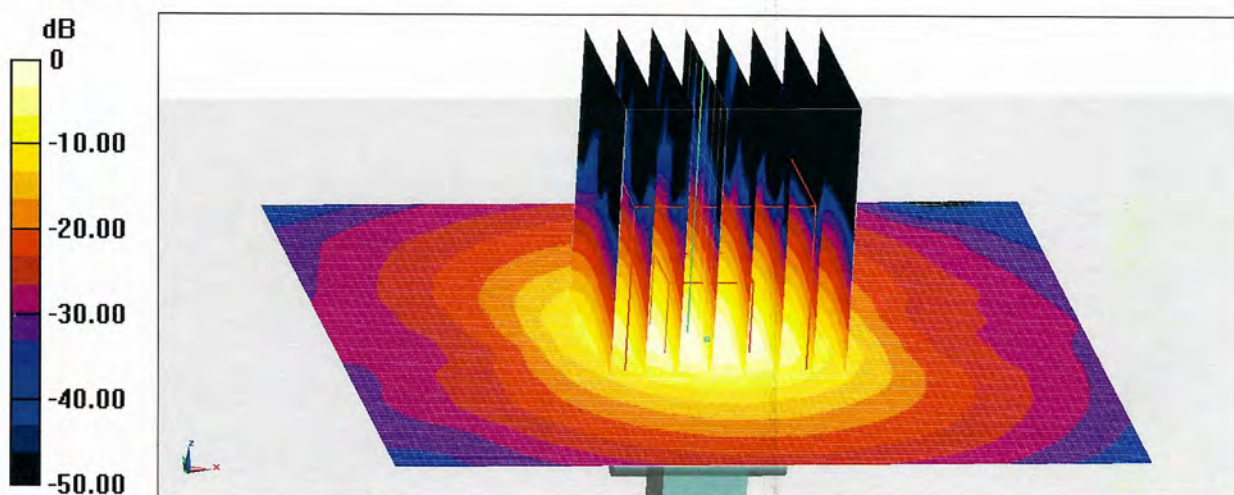


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Dipole Calibration /Pin=100mW, d=10mm, f=5750 MHz/Zoom Scan,
dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 67.72 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 33.5 W/kg
SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.16 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 62.4%
Maximum value of SAR (measured) = 18.6 W/kg



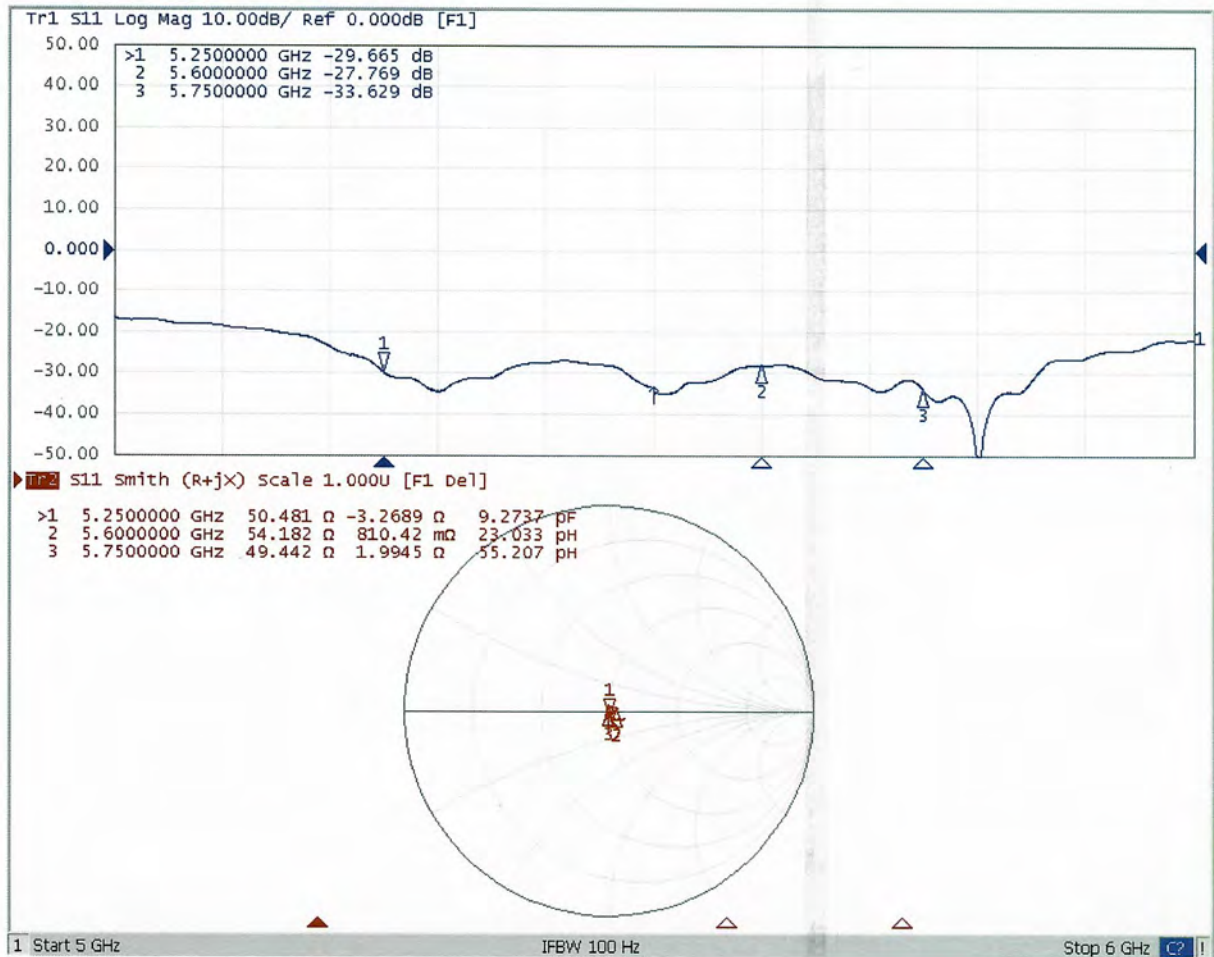
0 dB = 18.6 W/kg = 12.70 dBW/kg



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Impedance Measurement Plot for Head TSL



D5GHzV2 - SN: 1315 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss ($<-20\text{dB}$, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

D5GHzV2 - SN: 1315						
5250MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
10.22.2021	-29.7		50.5		-3.27	
10.21.2022	-34.53	16.26	51.16	0.66	1.56	4.83
10.20.2023	-25.84	-12.98	54.50	4.00	-2.96	0.31

D5GHzV2 - SN: 1315						
5600MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
10.22.2021	-27.8		54.2		0.81	
10.21.2022	-31.03	11.63	49.59	-4.61	-2.79	-3.60
10.20.2023	-26.15	-5.95	54.92	0.71	-1.82	-2.63

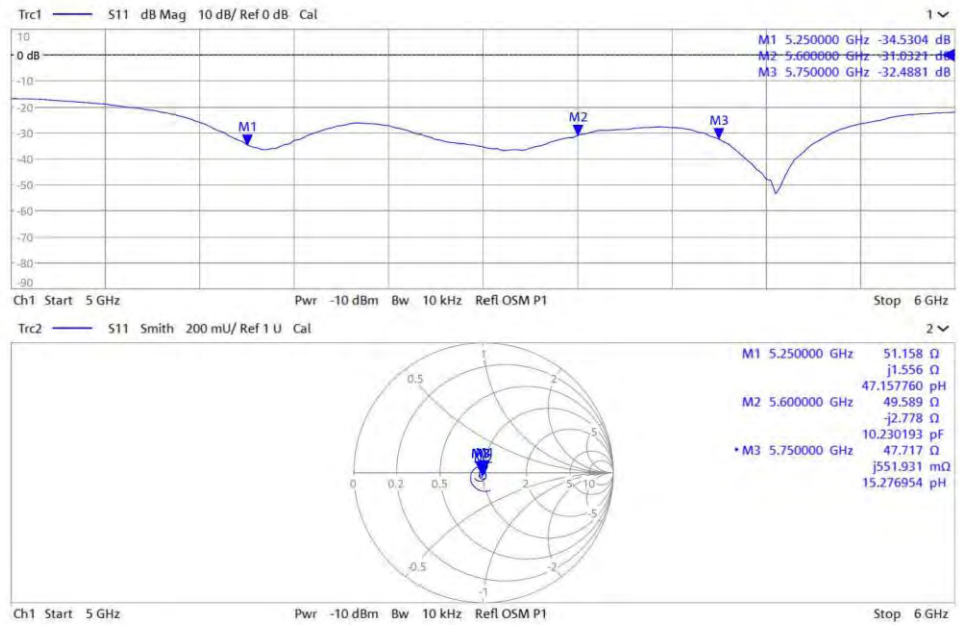
D5GHzV2 - SN: 1315						
5750MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
10.22.2021	-33.6		49.4		1.99	
10.21.2022	-32.49	-3.31	47.72	-1.68	0.55	-1.44
10.20.2023	-36.43	8.41	50.87	1.47	1.34	-0.65

<Justification of the extended calibration>

The return loss is $<-20\text{dB}$, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data>

Head 5250-5750MHz _2022.10.21

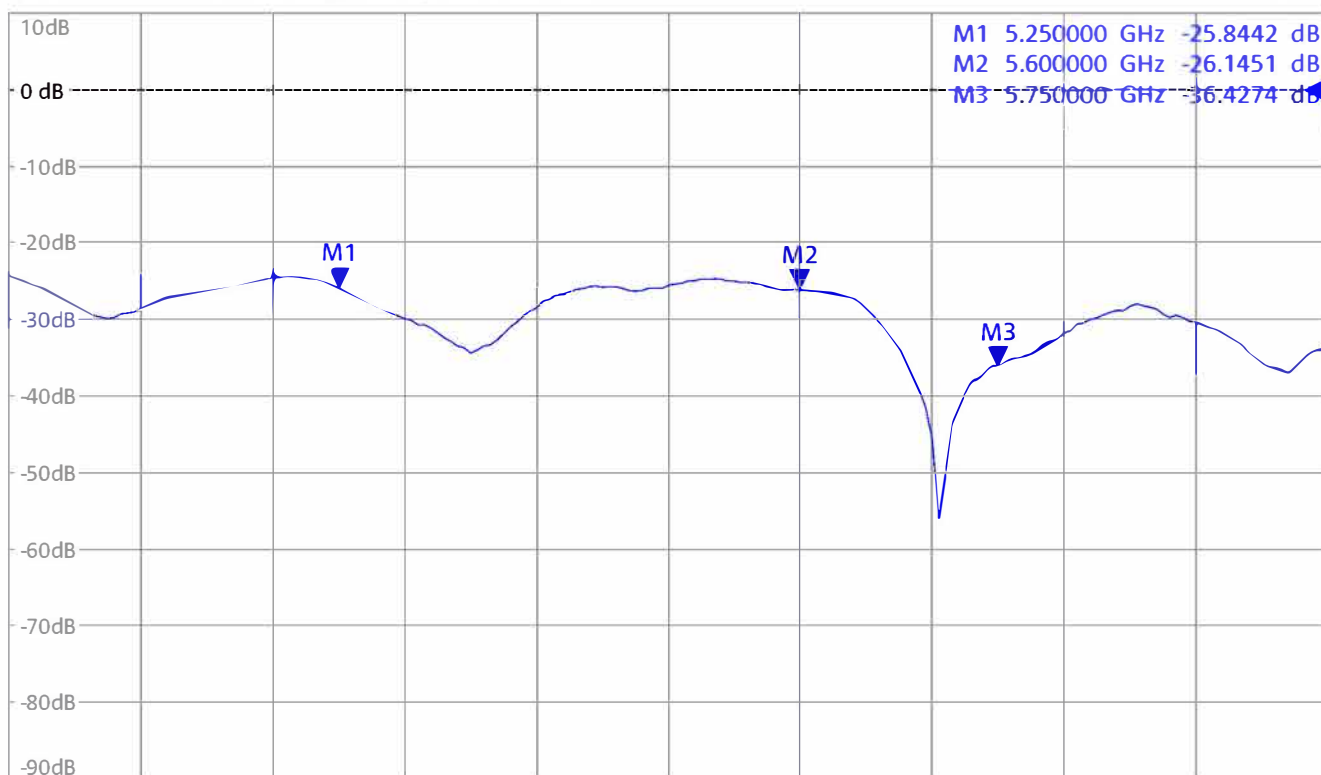


<Dipole Verification Data>

Head 5250-5750MHz _2023.10.20

Trc1 — S11 dB Mag 10 dB/ Ref 0 dB Cal

1

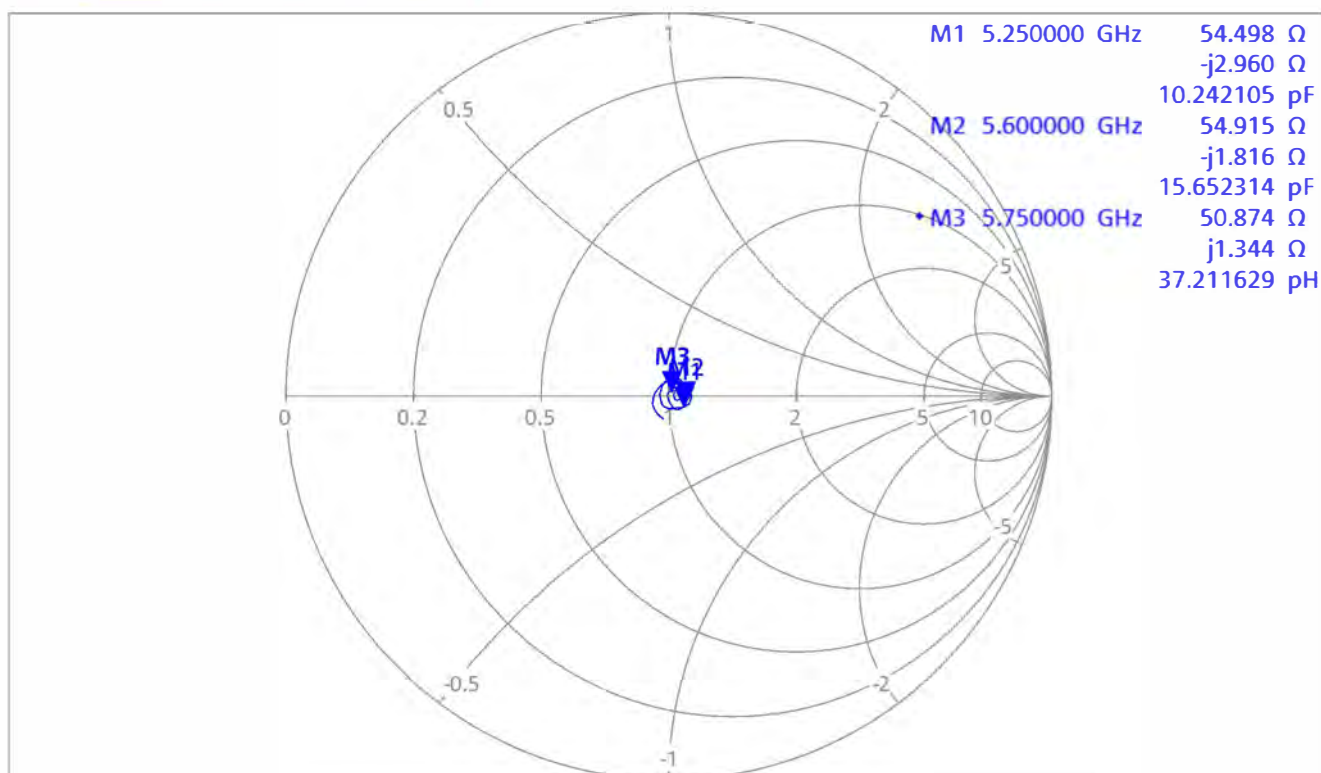


Ch1 Start 5 GHz Pwr -10 dBm Bw 10 kHz Refl OSM P1

Stop 6 GHz

Trc2 — S11 Smith 200 mU/ Ref 1 U Cal

2



Ch1 Start 5 GHz Pwr -10 dBm Bw 10 kHz Refl OSM P1

Stop 6 GHz

Appendix D. Conducted Power Result

Band	GSM850 Ant0				GSM1900 Ant0			
Channel	128	189	251	Max. Tune-up Power	512	661	810	Max. Tune-up Power
Frequency	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	31.74	31.75	31.78	33.70	29.29	29.14	29.17	30.70
GPRS 1Tx Slot	31.74	31.72	31.77	33.70	29.27	29.12	29.23	30.70
GPRS 2Tx Slot	30.29	30.27	30.18	30.70	27.22	27.33	27.25	27.70
GPRS 3Tx Slot	28.48	28.37	28.34	28.90	25.47	25.47	25.43	25.90
GPRS 4Tx Slot	27.25	27.21	27.24	27.70	24.27	24.34	24.32	24.70
EDGE 1Tx Slot	25.97	25.99	26.04	27.70	25.44	25.43	25.46	26.70
EDGE 2Tx Slot	24.56	24.30	24.55	24.70	23.38	23.48	23.47	23.70
EDGE 3Tx Slot	22.74	22.78	22.70	22.90	21.48	21.71	21.55	21.90
EDGE 4Tx Slot	21.53	21.54	21.63	21.70	20.41	20.39	20.46	20.70

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power	GSM1900			Max. Tune-up Power
Channel	128	189	251		512	661	810	
GSM	22.74	22.75	22.78	24.70	20.29	20.14	20.17	21.70
GPRS 1Tx Slot	22.74	22.72	22.77	24.70	20.27	20.12	20.23	21.70
GPRS 2Tx Slot	24.29	24.27	24.18	24.70	21.22	21.33	21.25	21.70
GPRS 3Tx Slot	24.22	24.11	24.08	24.64	21.21	21.21	21.17	21.64
GPRS 4Tx Slot	24.25	24.21	24.24	24.70	21.27	21.34	21.32	21.70
EDGE 1Tx Slot	16.97	16.99	17.04	18.70	16.44	16.43	16.46	17.70
EDGE 2Tx Slot	18.56	18.30	18.55	18.70	17.38	17.48	17.47	17.70
EDGE 3Tx Slot	18.48	18.52	18.44	18.64	17.22	17.45	17.29	17.64
EDGE 4Tx Slot	18.53	18.54	18.63	18.70	17.41	17.39	17.46	17.70

Band	WCDMA II Ant0			WCDMA II	WCDMA IV Ant0			WCDMA IV	WCDMA V Ant0			WCDMA V
TX Channel	9262	9400	9538	Max. Tune-up Power	1312	1413	1513	Max. Tune-up Power	4132	4182	4233	Max. Tune-up Power
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	22.98	23.04	22.95	23.70	23.05	23.02	23.03	23.70	23.12	23.13	23.21	23.70
HSDPA Subtest-1	22.15	22.15	22.09	23.00	22.15	22.14	22.16	23.00	22.27	22.31	22.31	23.00
HSDPA Subtest-2	22.16	22.23	22.14	23.00	22.25	22.17	22.17	23.00	22.32	22.27	22.30	23.00
HSDPA Subtest-3	21.60	21.72	21.64	22.50	21.65	21.72	21.72	22.50	21.79	21.82	21.91	22.50
HSDPA Subtest-4	21.63	21.71	21.62	22.50	21.69	21.67	21.64	22.50	21.80	21.76	21.89	22.50
DC-HSDPA Subtest-1	22.09	22.14	22.10	23.00	22.23	22.18	22.14	23.00	22.26	22.26	22.34	23.00
DC-HSDPA Subtest-2	22.06	22.23	22.14	23.00	22.15	22.14	22.22	23.00	22.32	22.25	22.31	23.00
DC-HSDPA Subtest-3	21.65	21.64	21.58	22.50	21.70	21.63	21.71	22.50	21.79	21.76	21.89	22.50
DC-HSDPA Subtest-4	21.57	21.63	21.56	22.50	21.65	21.70	21.67	22.50	21.77	21.73	21.86	22.50
HSUPA Subtest-1	21.31	21.40	21.29	23.00	21.41	21.39	21.42	23.00	21.51	21.51	21.59	23.00
HSUPA Subtest-2	20.07	20.06	19.97	21.00	20.09	20.07	20.12	21.00	20.13	20.17	20.26	21.00
HSUPA Subtest-3	20.92	20.96	20.92	22.00	20.95	21.01	20.96	22.00	21.04	21.04	21.13	22.00
HSUPA Subtest-4	19.60	19.64	19.56	21.00	19.72	19.70	19.68	21.00	20.09	20.04	20.16	21.00
HSUPA Subtest-5	21.87	21.98	21.90	23.00	21.97	21.92	21.93	23.00	22.09	22.09	22.16	23.00

LTE Band 40 FDD									
BW	Modulation	Channel		9000	9000	9000	9000	Max. Time-avg. Power	Max. Power
		Frequency (MHz)	Bandwidth (MHz)	Low	High	Low	High		
5W	QPSK	1	0	25.54	22.73	22.40	23.7	23.0	23.7
		1	50	25.52	22.45	22.30	23.7	23.0	23.7
		1	50	25.57	24.73	24.62	22.7	24.0	22.7
		1	50	25.53	21.68	21.57	24.4	24.0	24.4
		1	50	25.54	21.63	21.54	22.7	22.0	22.7
1000M	QPSK	1	50	25.56	21.68	21.63	22.7	22.0	22.7
		1	50	25.52	21.69	21.63	22.7	22.0	22.7
		1	50	25.53	21.68	21.60	24.4	24.0	24.4
		1	50	25.53	21.74	21.68	21.74	21.60	21.74
		1	50	25.54	21.68	21.63	22.7	22.0	22.7
20M	QPSK	1	50	25.53	21.74	21.68	21.74	21.60	21.74
		1	50	25.52	21.69	21.63	22.7	22.0	22.7
		1	50	25.53	21.68	21.60	24.4	24.0	24.4
		1	50	25.53	21.70	21.62	21.70	21.60	21.70
		1	50	25.54	21.68	21.63	22.7	22.0	22.7
6000M	QPSK	1	50	25.53	21.68	21.63	22.7	22.0	22.7
		1	50	25.52	21.69	21.63	22.7	22.0	22.7
		1	50	25.53	21.68	21.60	24.4	24.0	24.4
		1	50	25.53	21.70	21.62	21.70	21.60	21.70
		1	50	25.54	21.68	21.63	22.7	22.0	22.7
25000M	QPSK	1	50	25.53	21.68	21.63	22.7	22.0	22.7
		1	50	25.52	21.69	21.63	22.7	22.0	22.7
		1	50	25.53	21.68	21.60	24.4	24.0	24.4
		1	50	25.53	21.70	21.62	21.70	21.60	21.70
		1	50	25.54	21.68	21.63	22.7	22.0	22.7
BW	Modulation	Channel		9000	9000	9000	9000	Max. Time-avg. Power	Max. Power
		Frequency (MHz)	Bandwidth (MHz)	Low	High	Low	High		
5W	QPSK	1	0	25.54	22.51	22.40	23.7	23.0	23.7
		1	50	25.52	22.43	22.30	23.7	23.0	23.7
		1	50	25.57	24.73	24.62	22.7	24.0	22.7
		1	50	25.53	21.68	21.57	24.4	24.0	24.4
		1	50	25.54	21.63	21.54	22.7	22.0	22.7
1000M	QPSK	1	50	25.56	21.68	21.63	22.7	22.0	22.7
		1	50	25.52	21.69	21.63	22.7	22.0	22.7
		1	50	25.53	21.68	21.60	24.4	24.0	24.4
		1	50	25.53	21.74	21.68	21.74	21.60	21.74
		1	50	25.54	21.68	21.63	22.7	22.0	22.7
20M	QPSK	1	50	25.53	21.74	21.68	21.74	21.60	21.74
		1	50	25.52	21.69	21.63	22.7	22.0	22.7
		1	50	25.53	21.68				

LTE Band 41 (2016 – 2090MHz) AWS PCS Full												
BWP	MBS Index	Channel		Low-Mid		Mid-High		High		Max. Tx Power		Max. Tx Power
		Frequency (MHz)	3750	4010	4270	4530	4790	5050	5310	5570	5830	
UP	UP	1	0	22.42	22.40	22.68	22.69	22.91	22.91	23.13	23.13	23.13
		2	0	22.42	22.40	22.68	22.69	22.91	22.91	23.13	23.13	23.13
		3	0	22.42	22.40	22.68	22.69	22.91	22.91	23.13	23.13	23.13
		4	0	22.42	22.40	22.68	22.69	22.91	22.91	23.13	23.13	23.13
		5	0	22.42	22.40	22.68	22.69	22.91	22.91	23.13	23.13	23.13
UP	UP	6	0	21.63	21.57	21.79	21.68	21.52	21.62	21.77	21.77	21.77
		7	0	21.63	21.57	21.79	21.68	21.52	21.62	21.77	21.77	21.77
		8	0	21.63	21.57	21.79	21.68	21.52	21.62	21.77	21.77	21.77
		9	0	21.63	21.57	21.79	21.68	21.52	21.62	21.77	21.77	21.77
		10	0	21.63	21.57	21.79	21.68	21.52	21.62	21.77	21.77	21.77
UP	UP	11	0	20.84	20.78	21.01	20.90	20.74	20.84	21.01	21.01	21.01
		12	0	20.84	20.78	21.01	20.90	20.74	20.84	21.01	21.01	21.01
		13	0	20.84	20.78	21.01	20.90	20.74	20.84	21.01	21.01	21.01
		14	0	20.84	20.78	21.01	20.90	20.74	20.84	21.01	21.01	21.01
		15	0	20.84	20.78	21.01	20.90	20.74	20.84	21.01	21.01	21.01
UP	UP	16	0	20.05	19.99	20.20	20.09	19.93	20.05	20.20	20.20	20.20
		17	0	20.05	19.99	20.20	20.09	19.93	20.05	20.20	20.20	20.20
		18	0	20.05	19.99	20.20	20.09	19.93	20.05	20.20	20.20	20.20
		19	0	20.05	19.99	20.20	20.09	19.93	20.05	20.20	20.20	20.20
		20	0	20.05	19.99	20.20	20.09	19.93	20.05	20.20	20.20	20.20
UP	UP	21	0	19.26	19.20	19.41	19.30	19.14	19.26	19.41	19.41	19.41
		22	0	19.26	19.20	19.41	19.30	19.14	19.26	19.41	19.41	19.41
		23	0	19.26	19.20	19.41	19.30	19.14	19.26	19.41	19.41	19.41
		24	0	19.26	19.20	19.41	19.30	19.14	19.26	19.41	19.41	19.41
		25	0	19.26	19.20	19.41	19.30	19.14	19.26	19.41	19.41	19.41
UP	UP	26	0	18.47	18.41	18.62	18.51	18.35	18.47	18.62	18.62	18.62
		27	0	18.47	18.41	18.62	18.51	18.35	18.47	18.62	18.62	18.62
		28	0	18.47	18.41	18.62	18.51	18.35	18.47	18.62	18.62	18.62
		29	0	18.47	18.41	18.62	18.51	18.35	18.47	18.62	18.62	18.62

LTE Band 45 for FCC Band 45													
BWP	MCC Index	Channel		Frequency (MHz)		Start		End		Low		High	
		Frequency (MHz)	Bandwidth (MHz)	Start	End	Start	End	Start	End	Start	End	Start	End
GPRS	1	0	0	21.67	21.68	21.71	21.83	21.83	21.83	21.83	21.83	21.83	21.83
	2	0	0	21.71	21.71	21.71	21.71	21.71	21.71	21.71	21.71	21.71	21.71
	3	0	0	21.82	21.84	21.84	21.84	21.84	21.84	21.84	21.84	21.84	21.84
	50	0	0	21.12	21.17	21.17	21.20	21.20	21.20	21.20	21.20	21.20	21.20
	20	0	0	21.18	21.18	21.18	21.18	21.18	21.18	21.18	21.18	21.18	21.18
EDGE	30	0	0	21.64	21.26	21.26	21.26	21.26	21.26	21.26	21.26	21.26	21.26
	100	0	0	21.62	21.24	21.24	21.24	21.24	21.24	21.24	21.24	21.24	21.24
	1	0	0	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11
	1	0	0	21.68	21.22	21.22	21.26	21.26	21.26	21.26	21.26	21.26	21.26
	20	0	0	21.62	21.26	21.26	21.26	21.26	21.26	21.26	21.26	21.26	21.26
HSPA	30	0	0	21.14	21.20	21.20	21.20	21.20	21.20	21.20	21.20	21.20	21.20
	50	20	20	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97
	30	0	0	20.99	20.99	20.99	20.99	20.99	20.99	20.99	20.99	20.99	20.99
	100	0	0	20.94	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97
	1	0	0	20.97	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11
HSPA+	1	0	0	20.88	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93
	30	0	0	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93
	50	20	20	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90
	100	0	0	20.94	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97
	1	0	0	20.97	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11
TD-LTE	30	0	0	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93
	50	20	20	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90
	100	0	0	20.94	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97
	1	0	0	20.97	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11
	1	0	0	20.88	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93
BWP	30	0	0	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93	20.93
	50	20	20	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90
	100	0	0	20.94	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97

LTE Band 48 for FCC SAR Ant Reduc DB1										
BW	MCS Index	Channel		Low		High Med		High		Max. Turnup (dB)
		Frequency (MHz)	Power (dBm)	5540	5600	5610	5640	5640	5640	
20M	QPSK	0	0	15.45	15.51	15.54	15.54	15.54	15.54	21
		1	50	15.50	15.53	15.58	15.59	15.59	15.59	21
		6	50	15.49	15.57	15.55	15.67	15.67	15.67	21
		50	0	15.57	15.59	15.54	15.53	15.53	15.53	21
		50	25	15.55	15.55	15.52	15.53	15.53	15.53	21
	16QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21
20M	16QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21
	64QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21
20M	64QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21
	256QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21

LTE Band 48 Ant Reduc DB1										
BW	MCS Index	Channel		Low		High Med		High		Max. Turnup (dB)
		Frequency (MHz)	Power (dBm)	5540	5600	5610	5640	5640	5640	
20M	QPSK	0	0	15.45	15.51	15.54	15.54	15.54	15.54	21
		1	50	15.50	15.53	15.58	15.59	15.59	15.59	21
		6	50	15.49	15.57	15.55	15.67	15.67	15.67	21
		50	0	15.57	15.59	15.54	15.53	15.53	15.53	21
		50	25	15.55	15.55	15.52	15.53	15.53	15.53	21
	16QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21
20M	16QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21
	64QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21
20M	64QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21
	256QAM	0	0	15.55	15.53	15.25	15.22	15.22	15.22	21
		1	50	15.52	15.59	15.30	15.27	15.27	15.27	21
		6	50	15.58	15.46	15.24	15.51	15.51	15.51	21
		50	0	15.58	15.59	15.25	15.22	15.22	15.22	21
		50	25	15.58	15.57	15.51	15.57	15.57	15.57	21

Full Power Ant0							
n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.04	23.93	24.01	24.5
		1	53	23.90	24.01	23.50	24.5
		1	104	23.94	24.07	23.48	24.5
		50	0	23.60	23.63	23.46	24.5
		50	28	24.03	24.11	24.04	24.5
		50	56	23.48	23.52	23.60	24.5
		100	0	23.53	23.62	23.32	24.5
	DFT-s-OFDM QPSK	1	1	24.15	24.03	24.06	24.5
		1	53	23.88	23.61	23.47	24.5
		1	104	23.82	23.83	23.39	24.5
		50	0	23.06	23.12	23.05	24.5
		50	28	24.14	24.09	23.86	24.5
		50	56	23.05	23.08	23.09	24
		100	0	23.08	23.05	23.03	24
	DFT-s-OFDM 16QAM	1	1	23.34	23.33	23.38	23.7
	DFT-s-OFDM 64QAM	1	1	21.13	21.30	21.44	22.2
	DFT-s-OFDM 256QAM	1	1	19.35	19.23	19.31	20.2
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	24.03	23.92	23.88	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	24.08	23.92	23.93	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	24.05	24.01	23.93	24.5

Full Power Ant0							
n5 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.98	24.03	23.92	24.5
		1	53	23.82	23.88	23.87	24.5
		1	104	23.80	23.69	23.58	24.5
		50	0	23.45	23.45	23.44	24.5
		50	28	23.90	23.92	23.91	24.5
		50	56	23.37	23.39	23.32	24.5
		100	0	23.47	23.56	23.40	24.5
	DFT-s-OFDM QPSK	1	1	23.94	24.05	23.86	24.5
		1	53	23.76	23.92	23.71	24.5
		1	104	23.63	23.69	23.50	24.5
		50	0	22.89	23.00	22.95	24
		50	28	23.95	23.96	23.92	24.5
		50	56	22.85	22.80	22.81	24
		100	0	22.95	22.96	22.93	24
	DFT-s-OFDM 16QAM	1	1	23.38	23.39	23.33	23.7
	DFT-s-OFDM 64QAM	1	1	21.26	21.36	21.22	22.2
	DFT-s-OFDM 256QAM	1	1	19.30	19.36	19.21	20.2
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.93	23.97	23.75	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.90	24.03	23.77	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.85	23.92	23.84	24.5

Full Power (Ant0)							
n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	22.92	23.12	23.04	23.7
		1	53	23.11	23.11	23.10	23.7
		1	104	23.08	23.10	23.02	23.7
		50	0	22.85	23.03	22.92	23.7
		50	28	23.03	23.04	22.90	23.7
		50	56	23.07	22.94	22.89	23.7
		100	0	23.10	23.12	23.07	23.7
	DFT-s-OFDM QPSK	1	1	23.15	23.19	23.09	23.7
		1	53	23.11	23.15	23.06	23.7
		1	104	23.12	23.11	23.01	23.7
		50	0	22.98	22.99	22.97	23.7
		50	28	22.92	22.92	22.95	23.7
		50	56	22.97	22.85	22.88	23.7
		100	0	23.11	23.15	23.05	23.7
	DFT-s-OFDM 16QAM	1	1	22.44	22.66	22.58	23.7
	DFT-s-OFDM 64QAM	1	1	20.97	21.13	21.09	22.2
	DFT-s-OFDM 256QAM	1	1	19.22	19.32	19.23	20.2
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	22.98	23.10	23.02	23.7
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	22.85	23.09	23.00	23.7
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	22.83	22.95	22.92	23.7

Full Power Ant0							
n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.08	23.89	23.90	24.5
		1	53	24.11	23.94	23.86	24.5
		1	104	23.95	23.91	23.40	24.5
		50	0	23.72	23.50	23.46	24.5
		50	28	24.07	23.95	24.12	24.5
		50	56	23.65	23.56	23.55	24.5
		100	0	23.67	23.53	23.69	24.5
	DFT-s-OFDM QPSK	1	1	24.16	23.97	23.96	24.5
		1	53	23.93	23.73	23.86	24.5
		1	104	23.97	23.42	23.56	24.5
		50	0	23.29	23.11	23.21	24
		50	28	24.12	24.08	24.07	24.5
		50	56	23.20	23.09	23.30	24
		100	0	23.28	23.13	23.18	24
	DFT-s-OFDM 16QAM	1	1	23.53	23.36	22.86	24
	DFT-s-OFDM 64QAM	1	1	21.44	21.22	21.24	22.2
	DFT-s-OFDM 256QAM	1	1	19.49	19.34	19.36	20.2
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	24.09	23.93	23.94	24.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	24.13	23.96	23.81	24.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	24.08	23.92	23.92	24.5

Full Power Ant5							
PC3_n78 (SCS 30 kHz) 3450~3550MHz							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM P/2 BPSK	1	1	22.62		23.7	
		1	137	22.14		23.7	
		1	271	22.61		23.7	
		135	0	22.58		23.7	
		135	69	22.32		23.7	
		135	138	22.37		23.7	
		270	0	22.51		23.7	
	DFT-s-OFDM QPSK	1	1	22.71		23.7	
		1	137	22.09		23.7	
		1	271	22.63		23.7	
		135	0	22.61		23.7	
		135	69	22.30		23.7	
		135	138	22.37		23.7	
		270	0	22.57		23.7	
	DFT-s-OFDM 16QAM	1	1	22.53		23.7	
	DFT-s-OFDM 64QAM	1	1	21.97		23.7	
	DFT-s-OFDM 256QAM	1	1	21.14		22.2	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	22.65	22.66	22.57	23.7
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	22.61	22.51	22.46	23.7
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	22.60	22.60	22.53	23.7
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	22.56	22.57	22.56	23.7
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	22.58	22.64	22.44	23.7
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	1	22.59	22.56	22.50	23.7
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.55	22.56	22.46	23.7

Full Power Ant5							
PC2_n78 (SCS 30 kHz) 3450~3550MHz							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM P/2 BPSK	1	1	24.65		25.5	
		1	137	23.63		25.5	
		1	271	24.59		25.5	
		135	0	23.77		25.5	
		135	69	23.87		25.5	
		135	138	23.75		25.5	
		270	0	23.84		25.5	
	DFT-s-OFDM QPSK	1	1	24.67		25.5	
		1	137	23.56		25.5	
		1	271	24.61		25.5	
		135	0	23.88		25.5	
		135	69	23.80		25.5	
		135	138	23.79		25.5	
		270	0	23.46		25	
	DFT-s-OFDM 16QAM	1	1	22.85		23.7	
	DFT-s-OFDM 64QAM	1	1	21.06		22.7	
	DFT-s-OFDM 256QAM	1	1	20.17		21.5	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	24.39	24.66	24.28	25.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	24.29	24.59	24.13	25.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	24.31	24.64	24.20	25.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	24.28	24.64	24.13	25.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	24.38	24.55	24.19	25.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	1	24.29	24.59	24.19	25.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	24.25	24.64	24.17	25.5

Full Power Ant2							
n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.93	23.91	23.89	24.5
		1	53	23.82	23.99	23.46	24.5
		1	104	23.79	24.01	23.41	24.5
		50	0	23.47	23.53	23.37	24.5
		50	28	23.89	23.98	23.96	24.5
		50	56	23.43	23.43	23.50	24.5
		100	0	23.41	23.56	23.28	24.5
	DFT-s-OFDM QPSK	1	1	24.06	23.95	23.98	24.5
		1	53	23.77	23.48	23.45	24.5
		1	104	23.71	23.69	23.37	24.5
		50	0	23.04	23.05	23.02	24.5
		50	28	24.01	23.97	23.85	24.5
		50	56	22.91	23.01	23.01	24
		100	0	23.05	23.03	22.94	24
	DFT-s-OFDM 16QAM	1	1	23.29	23.27	23.23	23.7
	DFT-s-OFDM 64QAM	1	1	21.09	21.16	21.29	22.2
	DFT-s-OFDM 256QAM	1	1	19.22	19.19	19.28	20.2
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.99	23.94	23.94	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.97	23.85	23.89	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	24.04	23.83	23.86	24.5

Full Power Ant2							
n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		344000	349000	354000	
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.68	24.06	24.05	24.5
		1	53	23.84	24.14	23.98	24.5
		1	104	23.94	24.13	24.02	24.5
		50	0	23.33	23.75	23.03	24.5
		50	28	23.71	24.15	23.35	24.5
		50	56	23.50	23.77	23.47	24.5
		100	0	23.32	23.66	23.52	24.5
	DFT-s-OFDM QPSK	1	1	23.95	24.16	24.00	24.5
		1	53	23.56	24.14	23.87	24.5
		1	104	23.94	24.12	23.84	24.5
		50	0	23.12	23.28	23.19	24.5
		50	28	23.80	24.11	24.13	24.5
		50	56	22.94	23.40	22.99	23.7
		100	0	22.82	23.21	23.12	23.7
	DFT-s-OFDM 16QAM	1	1	23.23	23.43	22.87	23.7
	DFT-s-OFDM 64QAM	1	1	21.03	21.55	21.34	22.2
	DFT-s-OFDM 256QAM	1	1	18.95	19.26	19.33	20.2
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.83	24.01	23.98	24.5
BW	MCS Index	Channel		343000	349000	350000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.93	24.15	23.86	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.93	24.06	23.88	24.5

Full Power Ant2							
n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.93	23.76	23.87	24.5
		1	53	24.06	23.93	23.71	24.5
		1	104	23.80	23.83	23.28	24.5
		50	0	23.71	23.42	23.41	24.5
		50	28	23.98	23.92	24.02	24.5
		50	56	23.60	23.54	23.44	24.5
		100	0	23.53	23.38	23.66	24.5
	DFT-s-OFDM QPSK	1	1	24.13	23.83	23.92	24.5
		1	53	23.92	23.63	23.80	24.5
		1	104	23.91	23.41	23.50	24.5
		50	0	23.23	22.96	23.07	24
		50	28	24.03	23.94	24.02	24.5
		50	56	23.19	22.95	23.18	24
		100	0	23.23	23.09	23.07	24
	DFT-s-OFDM 16QAM	1	1	23.41	23.33	22.71	24
	DFT-s-OFDM 64QAM	1	1	21.41	21.14	21.23	22.2
	DFT-s-OFDM 256QAM	1	1	19.39	19.26	19.33	20.2
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	24.08	23.79	23.80	24.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	24.11	23.68	23.85	24.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	24.13	23.81	23.79	24.5

Full Power Ant2							
n71 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		134600	136100	137600	
		Frequency (MHz)		673	680.5	688	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.00	23.73	23.86	24.5
		1	53	23.84	23.90	23.97	24.5
		1	104	23.92	23.74	23.74	24.5
		50	0	22.98	23.48	23.44	24.5
		50	28	23.86	24.01	23.83	24.5
		50	56	23.21	23.40	23.44	24.5
		100	0	23.48	23.47	23.35	24.5
	DFT-s-OFDM QPSK	1	1	24.02	23.86	23.81	24.5
		1	53	23.60	23.82	23.76	24.5
		1	104	23.73	23.62	23.61	24.5
		50	0	23.07	22.93	22.98	24.5
		50	28	23.98	23.94	23.83	24.5
		50	56	22.98	22.88	22.90	23.7
		100	0	22.99	22.95	22.89	23.7
	DFT-s-OFDM 16QAM	1	1	23.39	23.27	23.20	23.7
	DFT-s-OFDM 64QAM	1	1	21.27	21.10	21.06	22.2
	DFT-s-OFDM 256QAM	1	1	19.48	19.16	19.20	20.2
BW	MCS Index	Channel		134100	136100	138100	Max. Tune-up
		Frequency (MHz)		670.5	680.5	690.5	
15M	DFT-s-OFDM QPSK	1	1	24.00	23.74	23.75	24.5
BW	MCS Index	Channel		133600	136100	138600	Max. Tune-up
		Frequency (MHz)		668	680.5	693	
10M	DFT-s-OFDM QPSK	1	1	23.98	23.74	23.66	24.5
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up
		Frequency (MHz)		665.5	680.5	695.5	
5M	DFT-s-OFDM QPSK	1	1	23.94	23.85	23.77	24.5

Reduce Power Ant0 DSI1							
n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	22.72	22.52	22.65	23.5
		1	53	22.53	22.64	22.11	23.5
		1	104	22.51	22.76	22.11	23.5
		50	0	22.30	22.31	22.13	23.5
		50	28	22.74	22.71	22.68	23.5
		50	56	22.09	22.10	22.30	23.5
		100	0	22.12	22.27	21.97	23.5
		1	1	22.80	22.66	22.76	23.5
		1	53	22.47	22.22	22.13	23.5
	DFT-s-OFDM QPSK	1	104	22.51	22.46	22.02	23.5
		50	0	21.64	21.76	21.63	23.5
		50	28	22.79	22.68	22.50	23.5
		50	56	21.76	21.70	21.72	23.5
		100	0	21.73	21.62	21.67	23.5
		DFT-s-OFDM 16QAM	1	1	22.77	22.63	22.64
	DFT-s-OFDM 64QAM	1	1	20.33	20.50	20.61	23.5
	DFT-s-OFDM 256QAM	1	1	18.60	18.44	18.57	23.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	22.66	22.52	22.74	23.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	22.79	22.52	22.71	23.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	22.72	22.60	22.63	23.5

Reduce Power Ant2 DSI1							
n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	19.77	19.65	19.71	20.5
		1	53	19.63	19.83	19.25	20.5
		1	104	19.54	19.81	19.21	20.5
		50	0	19.29	19.31	19.16	20.5
		50	28	19.74	19.75	19.69	20.5
		50	56	19.18	19.18	19.26	20.5
		100	0	19.27	19.38	19.14	20.5
	DFT-s-OFDM QPSK	1	1	19.87	19.80	19.85	20.5
		1	53	19.53	19.22	19.29	20.5
		1	104	19.54	19.46	19.22	20.5
		50	0	18.91	18.86	18.82	20.5
		50	28	19.83	19.71	19.65	20.5
		50	56	18.75	18.75	18.76	20.5
		100	0	18.92	18.86	18.71	20.5
	DFT-s-OFDM 16QAM	1	1	19.73	19.77	19.76	20.5
	DFT-s-OFDM 64QAM	1	1	19.84	19.72	19.82	20.5
	DFT-s-OFDM 256QAM	1	1	19.21	19.10	19.18	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	19.72	19.78	19.74	20.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	19.79	19.74	19.75	20.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	19.86	19.66	19.77	20.5

Reduce Power Ant0 DSI1							
n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM P/2 BPSK	1	1	22.71	22.63	22.75	23.5
		1	53	22.56	22.66	22.10	23.5
		1	104	22.60	22.80	22.18	23.5
		50	0	22.39	22.34	22.23	23.5
		50	28	22.85	22.79	22.77	23.5
		50	56	22.12	22.19	22.27	23.5
		100	0	22.19	22.28	21.98	23.5
		1	1	22.97	22.66	22.73	23.5
		1	53	22.54	22.32	22.18	23.5
	DFT-s-OFDM QPSK	1	104	22.58	22.48	22.03	23.5
		50	0	21.61	21.80	21.63	23.5
		50	28	22.88	22.66	22.50	23.5
		50	56	21.87	21.79	21.76	23.5
		100	0	21.77	21.73	21.71	23.5
		DFT-s-OFDM 16QAM	1	1	22.82	22.60	22.72
	DFT-s-OFDM 64QAM	1	1	20.44	20.47	20.67	23.5
	DFT-s-OFDM 256QAM	1	1	18.70	18.44	18.59	23.5
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	22.86	22.65	22.68	23.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	22.93	22.64	22.64	23.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	22.85	22.65	22.62	23.5

Reduce Power Ant2 DSI1							
n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM P/2 BPSK	1	1	19.77	19.53	19.68	20.5
		1	53	19.88	19.69	19.48	20.5
		1	104	19.66	19.69	19.05	20.5
		50	0	19.61	19.24	19.22	20.5
		50	28	19.83	19.82	19.83	20.5
		50	56	19.38	19.38	19.22	20.5
		100	0	19.34	19.27	19.44	20.5
	DFT-s-OFDM QPSK	1	1	19.93	19.72	19.73	20.5
		1	53	19.68	19.50	19.58	20.5
		1	104	19.75	19.18	19.30	20.5
		50	0	19.13	18.78	18.85	20.5
		50	28	19.85	19.79	19.84	20.5
		50	56	18.96	18.81	18.96	20.5
		100	0	19.02	18.89	18.86	20.5
	DFT-s-OFDM 16QAM	1	1	19.81	19.66	19.59	20.5
	DFT-s-OFDM 64QAM	1	1	19.78	19.65	19.68	20.5
	DFT-s-OFDM 256QAM	1	1	19.29	19.24	19.20	20.5
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	19.82	19.70	19.58	20.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	19.84	19.64	19.58	20.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	19.83	19.66	19.60	20.5

Reduce Power Ant2 DSI1							
n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel	518000	519000	520000		
		Frequency	2590	2595	2600		
40M	DFT-s-OFDM P/2 BPSK	1	21.63	21.76	21.60		22.5
		1	21.78	21.71	21.64		22.5
		1	21.85	21.81	21.82		22.5
		50	21.23	21.26	21.25		22.5
		50	21.83	21.81	21.77		22.5
		50	21.17	21.36	21.17		22.5
		100	21.35	21.44	21.17		22.5
		1	21.66	21.94	21.70		22.5
		1	21.60	21.74	21.54		22.5
		1	21.65	21.68	21.61		22.5
	DFT-s-OFDM QPSK	50	20.66	20.61	20.83		22.5
		50	21.82	21.67	21.90		22.5
		50	20.69	20.95	20.71		22.5
		100	20.79	20.63	20.63		22.5
	DFT-s-OFDM 16QAM	1	21.52	21.82	21.66		22.5
	DFT-s-OFDM 64QAM	1	21.59	21.91	21.67		22.5
	DFT-s-OFDM 256QAM	1	19.04	19.22	19.03		22.5
BW	MCS Index	Channel	517000	519000	521000	3GPP MPR	Max. Tune-up
30M	DFT-s-OFDM QPSK	1	21.53	21.84	21.62		22.5
BW	MCS Index	Channel	516000	519000	522000	3GPP MPR	Max. Tune-up
20M	DFT-s-OFDM QPSK	1	21.54	21.84	21.66		22.5

Reduce Power Ant2 DSI1							
n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel	344000	349000	354000		
		Frequency	1720	1745	1770		
20M	DFT-s-OFDM P/2 BPSK	1	20.56	20.91	20.85		21.5
		1	20.61	20.88	20.85		21.5
		1	20.73	20.96	20.76		21.5
		50	20.08	20.49	19.80		21.5
		50	20.51	20.99	20.11		21.5
		50	20.25	20.57	20.28		21.5
		100	20.11	20.49	20.30		21.5
		1	20.79	20.99	20.77		21.5
		1	20.41	20.96	20.72		21.5
		1	20.76	20.94	20.69		21.5
	DFT-s-OFDM QPSK	50	19.92	20.09	20.04		21.5
		50	20.63	20.92	20.89		21.5
		50	19.76	20.17	19.84		21.5
		100	19.70	19.98	19.94		21.5
	DFT-s-OFDM 16QAM	1	20.67	20.97	20.63		21.5
	DFT-s-OFDM 64QAM	1	20.74	20.92	20.65		21.5
	DFT-s-OFDM 256QAM	1	20.70	20.98	20.70		21.5
BW	MCS Index	Channel	343500	349000	354500	3GPP MPR	Max. Tune-up
15M	DFT-s-OFDM QPSK	1	23.83	24.01	23.98		21.5
BW	MCS Index	Channel	343000	349000	355000	3GPP MPR	Max. Tune-up
10M	DFT-s-OFDM QPSK	1	23.93	24.15	23.86		21.5
BW	MCS Index	Channel	342500	349000	355500	3GPP MPR	Max. Tune-up
5M	DFT-s-OFDM QPSK	1	23.93	24.06	23.88		21.5

Reduce Power Ant5 DSI1						
PC3 n77 (SCS 30 kHz) 3450–3550MHz						
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)
		Channel		633334		
100M	DFT-s-OFDM P2/BPSK	Frequency (MHz)		3500.01		
		1	1	15.91		17
		1	137	15.34		17
		1	271	16.02		17
		135	0	15.89		17
		135	69	15.46		17
		135	138	15.51		17
		270	0	15.74		17
	DFT-s-OFDM QPSK	1	1	16.07		17
		1	137	15.62		17
		1	271	15.89		17
		135	0	15.65		17
		135	69	15.41		17
		135	138	15.80		17
		270	0	15.77		17
		DFT-s-OFDM 16QAM	1	1	15.97	
	DFT-s-OFDM 64QAM	1	1	15.94		17
	DFT-s-OFDM 256QAM	1	1	15.88		17
BW	MCS Index	Channel	632688	633334	634000	Max. Tune-up
80M	DFT-s-OFDM QPSK	Frequency (MHz)	3490.02	3500.01	3510	17
BW	MCS Index	Channel	632000	633334	634666	Max. Tune-up
60M	DFT-s-OFDM QPSK	Frequency (MHz)	3480	3500.01	3519.99	17
BW	MCS Index	Channel	631334	633334	635332	22.5
40M	DFT-s-OFDM QPSK	Frequency (MHz)	3470.01	3500.01	3529.98	17
BW	MCS Index	Channel	631002	633334	635664	Max. Tune-up
30M	DFT-s-OFDM QPSK	Frequency (MHz)	3465.03	3500.01	3534.96	17
BW	MCS Index	Channel	630668	633334	636000	Max. Tune-up
20M	DFT-s-OFDM QPSK	Frequency (MHz)	3460.02	3500.01	3540	17

Reduce Power Ant5 DSI1							
PC2_n77 (SCS 30 kHz) 3450–3550MHz							
BW	MCS Index	RB Size	RB Offset	Mid			Max. Tune-up (dBm)
		Channel		633334			
100M	DFT-s-OFDM P2/BPSK	Frequency (MHz)		3500.01			
		1	1	15.95		17	
		1	137	15.36		17	
		1	271	16.00		17	
		135	0	15.88		17	
		135	69	15.43		17	
		135	138	15.52		17	
		270	0	15.69		17	
	DFT-s-OFDM QPSK	1	1	16.11		17	
		1	137	15.60		17	
		1	271	15.87		17	
		135	0	15.60		17	
		135	69	15.36		17	
		135	138	15.78		17	
		270	0	15.82		17	
		DFT-s-OFDM 16QAM	1	1	15.97		17
	DFT-s-OFDM 64QAM	1	1	15.88		17	
	DFT-s-OFDM 256QAM	1	1	15.85		17	
BW	MCS Index	Channel	632668	633334	634000	Max. Tune-up	
		Frequency (MHz)	3490.02	3500.01	3510		
80M	DFT-s-OFDM QPSK	1	1	15.91	15.96	15.91	17
BW	MCS Index	Channel	632000	633334	634666	Max. Tune-up	
		Frequency (MHz)	3480	3500.01	3519.99		
60M	DFT-s-OFDM QPSK	1	1	15.92	15.91	15.90	17
BW	MCS Index	Channel	631334	633334	635332	22.5	
		Frequency (MHz)	3470.01	3500.01	3529.98		
40M	DFT-s-OFDM QPSK	1	1	15.99	15.90	15.96	17
BW	MCS Index	Channel	631002	633334	635664	Max. Tune-up	
		Frequency (MHz)	3465.03	3500.01	3534.96		
30M	DFT-s-OFDM QPSK	1	1	16.00	15.96	15.91	17
BW	MCS Index	Channel	630668	633334	636000	Max. Tune-up	
		Frequency (MHz)	3460.02	3500.01	3540		
20M	DFT-s-OFDM QPSK	1	1	15.94	15.93	15.87	17

Reduce Power Ant5 DSI1								
PC3 n77 (SCS 30 kHz) 3700~3980MHz								
BW	MCS Index	Channel	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Frequency (MHz)			650000	656000	662000	
100M	DFT-s-OFDM P2/BPSK				3750	3840	3930	
		1	1	15.47	15.64	15.73	17	
		1	137	15.67	15.85	15.70	17	
		1	271	15.94	15.86	15.17	17	
		135	0	15.62	15.71	15.68	17	
		135	69	15.93	15.82	15.72	17	
		135	138	15.80	15.72	15.42	17	
		270	0	15.72	15.78	15.62	17	
	DFT-s-OFDM QPSK	1	1	15.35	15.52	15.60	17	
		1	137	16.12	15.84	15.74	17	
		1	271	15.90	15.82	15.58	17	
		135	0	15.61	15.76	15.73	17	
		135	69	15.81	15.80	15.65	17	
		135	138	15.86	15.81	15.70	17	
		270	0	15.75	15.73	15.60	17	
		DFT-s-OFDM 16QAM	1	137	16.08	15.69	15.64	17
	DFT-s-OFDM 64QAM	1	137	16.06	15.83	15.73	17	
	DFT-s-OFDM 256QAM	1	137	15.98	15.70	15.71	17	
BW	MCS Index	Channel		650000	656000	662666	Max. Tune-up	
		Frequency (MHz)		3750	3840	3939.99		
80M	DFT-s-OFDM QPSK	1	109	16.11	15.74	15.72	17	
BW	MCS Index	Channel		650000	656000	663332	Max. Tune-up	
		Frequency (MHz)		3750	3840	3949.98		
60M	DFT-s-OFDM QPSK	1	81	16.05	15.77	15.63	17	
BW	MCS Index	Channel		650000	656000	664000	22.5	
		Frequency (MHz)		3750	3840	3960		
40M	DFT-s-OFDM QPSK	1	53	15.98	15.83	15.73	17	
BW	MCS Index	Channel		650000	656000	664332	Max. Tune-up	
		Frequency (MHz)		3750	3840	3964.98		
30M	DFT-s-OFDM QPSK	1	39	16.01	15.72	15.64	17	
BW	MCS Index	Channel		650000	656000	664666	Max. Tune-up	
		Frequency (MHz)		3750	3840	3969.99		
20M	DFT-s-OFDM QPSK	1	26	16.02	15.69	15.69	17	

Reduce Power Ant5 DSI1								
PC2_n77 (SCS 30 kHz) 3700~3980MHz								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		650000	656000	662000		
100M	DFT-s-OFDM P2 BPSK	Frequency (MHz)		3750	3840	3930		
		1	1	15.46	15.63	15.67	17	
		1	137	15.65	15.83	15.67	17	
		1	271	16.00	15.86	15.18	17	
		135	0	15.56	15.73	15.70	17	
		135	69	16.00	15.86	15.67	17	
		135	138	15.75	15.72	15.40	17	
		270	0	15.73	15.85	15.61	17	
	DFT-s-OFDM QPSK	1	1	15.29	15.54	15.58	17	
		1	137	16.19	15.89	15.69	17	
		1	271	15.96	15.87	15.65	17	
		135	0	15.69	15.77	15.76	17	
		135	69	15.82	15.79	15.67	17	
		135	138	15.87	15.81	15.69	17	
		270	0	15.78	15.75	15.66	17	
		DFT-s-OFDM 16QAM	1	1	16.13	15.64	15.67	17
	DFT-s-OFDM 64QAM	1	1	16.09	15.77	15.69	17	
	DFT-s-OFDM 256QAM	1	1	16.05	15.64	15.77	17	
	BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
			Frequency (MHz)		3740.01	3840	3939.99	
	80M	DFT-s-OFDM QPSK	1	1	16.07	15.78	15.66	17
	BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
			Frequency (MHz)		3730.02	3840	3949.98	
	60M	DFT-s-OFDM QPSK	1	1	16.08	15.84	15.66	17
BW	MCS Index	Channel		648000	656000	664000	22.5	
		Frequency (MHz)		3720	3840	3960		
40M	DFT-s-OFDM QPSK	1	1	16.17	15.76	15.68	17	
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up	
		Frequency (MHz)		3715.05	3840	3964.98		
30M	DFT-s-OFDM QPSK	1	1	16.16	15.80	15.68	17	
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up	
		Frequency (MHz)		3710.01	3840	3969.99		
20M	DFT-s-OFDM QPSK	1	1	16.18	15.84	15.62	17	

Reduce Power Ant5 DS11							
PC3 n78 (SCS 30 kHz) 3450-3550MHz							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM P/2 BPSK	1	1		19.45		20.5
		1	137		18.97		20.5
		1	271		19.51		20.5
		135	0		19.36		20.5
		135	69		19.18		20.5
		135	138		19.20		20.5
		270	0		19.36		20.5
		1	1		19.55		20.5
	DFT-s-OFDM QPSK	1	137		18.92		20.5
		1	271		19.48		20.5
		135	0		19.43		20.5
		135	69		19.16		20.5
		135	138		19.15		20.5
		270	0		19.45		20.5
	DFT-s-OFDM 16QAM	1	1		19.44		20.5
	DFT-s-OFDM 64QAM	1	1		19.37		20.5
	DFT-s-OFDM 256QAM	1	1		19.24		20.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.53	19.51	19.47	20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.51	19.42	19.34	20.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.47	19.43	19.38	20.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.38	19.50	19.39	20.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.40	19.36	19.35	20.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	1	19.50	19.50	19.33	20.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.47	19.45	19.32	20.5

Reduce Power Ant5 DSI1							
PC2 n78 (SCS 30 kHz) 3450-3550MHz							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM P/2 BPSK	1	1	19.49		20.5	
		1	137	19.06		20.5	
		1	271	19.52		20.5	
		135	0	19.44		20.5	
		135	69	19.24		20.5	
		135	138	19.31		20.5	
	DFT-s-OFDM QPSK	270	0	19.49		20.5	
		1	1	19.69		20.5	
		1	137	19.03		20.5	
		1	271	19.58		20.5	
		135	0	19.56		20.5	
		135	69	19.28		20.5	
	DFT-s-OFDM 16QAM	135	138	19.24		20.5	
		270	0	19.52		20.5	
		1	1	19.50		20.5	
	DFT-s-OFDM 64QAM	1	1	19.44		20.5	
		DFT-s-OFDM 256QAM	1	1	19.32		20.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.52	19.57	19.49	20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.41	19.48	19.48	20.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.44	19.43	19.43	20.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.37	19.49	19.35	20.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.42	19.52	19.46	20.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	1	19.48	19.46	19.40	20.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.47	19.54	19.47	20.5

Reduce Power Ant0 DSI2							
n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	21.70	21.55	21.65	22.5
		1	53	21.53	21.65	21.19	22.5
		1	104	21.56	21.69	21.07	22.5
		50	0	21.21	21.30	21.07	22
		50	28	21.70	21.74	21.63	22.5
		50	56	21.11	21.21	21.20	22
		100	0	21.22	21.26	20.90	22
		1	1	21.82	21.70	21.72	22.5
		1	53	21.46	21.21	21.16	22.5
		1	104	21.39	21.49	20.94	22.5
	DFT-s-OFDM QPSK	50	0	20.63	20.70	20.68	22
		50	28	21.79	21.65	21.49	22.5
		50	56	20.70	20.65	20.65	22
		100	0	20.69	20.65	20.61	22
		DFT-s-OFDM 16QAM	1	1	21.34	21.08	21.09
	DFT-s-OFDM 64QAM	1	1	21.27	20.94	21.02	22
	DFT-s-OFDM 256QAM	1	1	18.95	18.79	18.81	20
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	21.75	21.66	21.71	22.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	21.71	21.57	21.64	22.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	21.70	21.63	21.71	22.5

Reduce Power Ant0 DSI2							
n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM P/2 BPSK	1	1	21.71	21.75	21.77	22.5
		1	53	21.67	21.72	21.26	22.5
		1	104	21.71	21.92	21.15	22.5
		50	0	21.44	21.44	21.23	22
		50	28	21.80	21.89	21.73	22.5
		50	56	21.16	21.35	21.26	22
		100	0	21.36	21.41	20.94	22
	DFT-s-OFDM QPSK	1	1	21.96	21.75	21.79	22.5
		1	53	21.66	21.32	21.31	22.5
		1	104	21.45	21.72	21.06	22.5
		50	0	20.74	20.84	20.91	22
		50	28	21.82	21.80	21.58	22.5
		50	56	20.82	20.88	20.80	22
		100	0	20.81	20.78	20.71	22
	DFT-s-OFDM 16QAM	1	1	21.52	21.36	21.24	22
	DFT-s-OFDM 64QAM	1	1	21.35	20.98	21.13	22
	DFT-s-OFDM 256QAM	1	1	18.99	18.90	18.87	20
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	21.84	21.61	21.73	22.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	21.89	21.65	21.70	22.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	21.85	21.73	21.65	22.5

Reduce Power Ant0 DSI2							
n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM P/2 BPSK	1	1	20.69	20.91	20.87	21.5
		1	53	20.91	20.92	20.92	21.5
		1	104	20.90	20.91	20.84	21.5
		50	0	20.69	20.85	20.65	21.5
		50	28	20.88	20.88	20.73	21.5
		50	56	20.90	20.65	20.69	21.5
		100	0	20.95	20.92	20.79	21.5
		1	1	20.92	20.99	20.88	21.5
		1	53	20.90	20.98	20.86	21.5
		1	104	20.89	20.83	20.74	21.5
	DFT-s-OFDM QPSK	50	0	20.76	20.77	20.72	21.5
		50	28	20.65	20.63	20.68	21.5
		50	56	20.75	20.60	20.59	21.5
		100	0	20.88	20.98	20.84	21.5
		DFT-s-OFDM 16QAM	1	1	20.89	20.82	20.86
DFT-s-OFDM 64QAM	1	1	20.74	20.68	20.64	21.5	
DFT-s-OFDM 256QAM	1	1	18.86	18.97	18.92	19.5	
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	20.86	20.90	20.73	21.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	20.91	20.89	20.81	21.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	20.86	20.85	20.74	21.5

Reduce Power Ant2 DSI2							
n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM P/2 BPSK	1	1	20.62	20.75	20.63	21.5
		1	53	20.80	20.60	20.66	21.5
		1	104	20.73	20.74	20.67	21.5
		50	0	20.12	20.29	20.28	21
		50	28	20.76	20.83	20.60	21.5
		50	56	20.23	20.26	20.24	21
		100	0	20.35	20.36	20.18	21
	DFT-s-OFDM QPSK	1	1	20.66	20.86	20.70	21.5
		1	53	20.56	20.65	20.61	21.5
		1	104	20.58	20.69	20.62	21.5
		50	0	19.74	19.76	19.75	21
		50	28	20.70	20.74	20.69	21.5
		50	56	19.77	19.88	19.73	21
		100	0	19.65	19.78	19.68	21
	DFT-s-OFDM 16QAM	1	1	20.54	20.81	20.60	21.5
	DFT-s-OFDM 64QAM	1	1	20.43	20.77	20.45	21.5
	DFT-s-OFDM 256QAM	1	1	19.01	19.15	19.05	20
BW	MCS Index	Channel		517000	519000	521000	Max. Tune-up
		Frequency (MHz)		2585	2595	2605	
30M	DFT-s-OFDM QPSK	1	1	20.63	20.79	20.62	21.5
BW	MCS Index	Channel		516000	519000	522000	Max. Tune-up
		Frequency (MHz)		2580	2595	2610	
20M	DFT-s-OFDM QPSK	1	1	20.59	20.82	20.59	21.5

Reduce Power Ant5 DSI2						
PC3_n77 (SCS 30 kHz) 3450~3550MHz						
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)
		Channel		63334		
100M	DFT-s-OFDM P/2 BPSK	Frequency (MHz)		3500.01		
		1	1	13.92		15
		1	137	13.20		15
		1	271	13.82		15
		135	0	13.77		15
		135	69	13.31		15
		135	138	13.50		15
		270	0	13.68		15
	DFT-s-OFDM QPSK	1	1	14.05		15
		1	137	13.51		15
		1	271	13.82		15
		135	0	13.66		15
		135	69	13.46		15
		135	138	13.67		15
		270	0	13.64		15
		DFT-s-OFDM 16QAM	1	1	13.87	15
	DFT-s-OFDM 64QAM	1	1	13.84		15
		1	1	13.79		15
BW	MCS Index	Channel		632668	63334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	13.97	13.99	14.02
						15
BW	MCS Index	Channel		632000	63334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	13.90	13.90	13.96
						15
BW	MCS Index	Channel		631334	63334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	13.86	13.96	13.90
						15
BW	MCS Index	Channel		631002	63334	635664
		Frequency (MHz)		3465.03	3500.01	3534.96
30M	DFT-s-OFDM QPSK	1	1	13.93	13.95	14.01
						15
BW	MCS Index	Channel		630668	63334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	13.86	13.90	13.91
						15

Reduce Power Ant5 DSI2						
PC3_n77 (SCS 30 kHz) 3700~3980MHz						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
100M	DFT-s-OFDM P/2 BPSK	Frequency (MHz)		3750	3840	3930
		1	1	13.42	13.49	13.68
		1	137	13.68	13.74	13.69
		1	271	13.85	13.78	13.14
		135	0	13.57	13.61	13.71
		135	69	13.84	13.72	13.54
		135	138	13.69	13.60	13.42
		270	0	13.63	13.66	13.52
	DFT-s-OFDM QPSK	1	1	13.28	13.45	13.54
		1	137	14.07	13.66	13.69
		1	271	13.81	13.64	13.55
		135	0	13.61	13.60	13.60
		135	69	13.78	13.67	13.55
		135	138	13.81	13.76	13.72
		270	0	13.72	13.61	13.51
		DFT-s-OFDM 16QAM	1	137	13.68	13.49
	DFT-s-OFDM 64QAM	1	137	13.73	13.58	13.49
		1	137	13.78	13.60	13.46
BW	MCS Index	Channel		650000	656000	662666
		Frequency (MHz)		3750	3840	3939.99
80M	DFT-s-OFDM QPSK	1	109	14.02	13.60	13.54
						15
BW	MCS Index	Channel		650000	656000	663332
		Frequency (MHz)		3750	3840	3943.98
60M	DFT-s-OFDM QPSK	1	81	13.94	13.60	13.65
						15
BW	MCS Index	Channel		650000	656000	664000
		Frequency (MHz)		3750	3840	3960
40M	DFT-s-OFDM QPSK	1	53	14.00	13.59	13.64
						15
BW	MCS Index	Channel		650000	656000	664332
		Frequency (MHz)		3750	3840	3964.98
30M	DFT-s-OFDM QPSK	1	39	13.97	13.58	13.61
						15
BW	MCS Index	Channel		650000	656000	664666
		Frequency (MHz)		3750	3840	3969.99
20M	DFT-s-OFDM QPSK	1	26	14.02	13.51	13.60
						15

Reduce Power Ant5 DSI2						
PC2_n77 (SCS 30 kHz) 3450~3550MHz						
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)
		Channel		63334		
100M	DFT-s-OFDM P/2 BPSK	Frequency (MHz)		3500.01		
		1	1	13.79		15
		1	137	13.14		15
		1	271	13.76		15
		135	0	13.76		15
		135	69	13.30		15
		135	138	13.49		15
		270	0	13.55		15
	DFT-s-OFDM QPSK	1	1	14.01		15
		1	137	13.50		15
		1	271	13.67		15
		135	0	13.44		15
		135	69	13.51		15
		135	138	13.47		15
		270	0	13.62		15
		DFT-s-OFDM 16QAM	1	1	13.86	15
	DFT-s-OFDM 64QAM	1	1	13.75		15
		1	1	13.68		15
BW	MCS Index	Channel		632668	63334	634000
		Frequency (MHz)		3490.02	3500.01	3510
80M	DFT-s-OFDM QPSK	1	1	13.91	13.97	13.95
						15
BW	MCS Index	Channel		632000	63334	634666
		Frequency (MHz)		3480	3500.01	3519.99
60M	DFT-s-OFDM QPSK	1	1	13.84	13.93	13.81
						15
BW	MCS Index	Channel		631334	63334	635332
		Frequency (MHz)		3470.01	3500.01	3529.98
40M	DFT-s-OFDM QPSK	1	1	13.84	13.95	13.93
						15
BW	MCS Index	Channel		631002	63334	635664
		Frequency (MHz)		3465.03	3500.01	3534.96
30M	DFT-s-OFDM QPSK	1	1	13.88	13.82	13.88
						15
BW	MCS Index	Channel		630668	63334	636000
		Frequency (MHz)		3460.02	3500.01	3540
20M	DFT-s-OFDM QPSK	1	1	13.86	13.90	13.87
						15

Reduce Power Ant5 DSI2						
PC2_n77 (SCS 30 kHz) 3700~3980MHz						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
100M	DFT-s-OFDM P/2 BPSK	Frequency (MHz)		3750	3840	3930
		1	1	13.40	13.34	13.63
		1	137	13.54	13.61	13.61
		1	271	13.75	13.75	13.00
		135	0	13.50	13.46	13.58
		135	69	13.72	13.69	13.41
		135	138	13.68	13.55	13.34
		270	0	13.49	13.55	13.46
	DFT-s-OFDM QPSK	1	1	13.81	13.59	13.92
		1	137	13.74	13.51	13.61
		1	271	13.67	13.38	13.46
		135	0	13.47	13.59	13.58
		135	69	13.68	13.66	13.73
		135	138	13.64	13.63	13.57
		270	0	13.61	13.47	13.63
		DFT-s-OFDM 16QAM	1	1	13.77	13.65
	DFT-s-OFDM 64QAM	1	1	13.89	13.63	13.63
		1	1	13.83	13.72	13.53
BW	MCS Index	Channel		649334	656000	662666
		Frequency (MHz)		3740.01	3840	3939.99
80M	DFT-s-OFDM QPSK	1	1	13.79	13.51	13.88
						15
BW	MCS Index	Channel		648668	656000	663332
		Frequency (MHz)		3730.02	3840	3943.98
60M	DFT-s-OFDM QPSK	1	1	13.79	13.51	13.79
						15
BW	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960
40M	DFT-s-OFDM QPSK	1	1	13.76	13.53	13.79
						15
BW	MCS Index	Channel		647670	656000	664332
		Frequency (MHz)		3715.05	3840	3964.98
30M	DFT-s-OFDM QPSK	1	1	13.80	13.49	13.79
						15
BW	MCS Index	Channel		647334	656000	664666
		Frequency (MHz)		3710.01	3840	3969.99
20M	DFT-s-OFDM QPSK	1	1	13.75	13.44	13.87
						15

Reduce Power Ant5 DSI2								
PC3_n78 (SCS 30 kHz) 3450~3550MHz								
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)		
		Channel		633334				
100M	DFT-s-OFDM P/2 BPSK	Frequency (MHz)		3500.01				
		1	1	19.60		20.5		
		1	137	19.04		20.5		
		1	271	19.58		20.5		
		135	0	19.46		20.5		
		135	69	19.25		20.5		
		135	138	19.34		20.5		
		270	0	19.41		20.5		
		1	1	19.67		20.5		
	DFT-s-OFDM QPSK	1	137	19.08		20.5		
		1	271	19.56		20.5		
		135	0	19.54		20.5		
		135	69	19.25		20.5		
		135	138	19.35		20.5		
		270	0	19.51		20.5		
		DFT-s-OFDM 16QAM		1		19.56	20.5	
		DFT-s-OFDM 64QAM		1		19.49	20.5	
		DFT-s-OFDM 256QAM		1		19.44	20.5	
	BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
	90M	DFT-s-OFDM QPSK	Frequency (MHz)		3495	3500.01	3504.99	
1			1	19.66	19.64	19.61	20.5	
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up	
		Frequency (MHz)		3490.02	3500.01	3510		
		80M	DFT-s-OFDM QPSK	1	1	19.56	19.59	19.53
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up	
		Frequency (MHz)		3485.01	3500.01	3514.98		
		70M	DFT-s-OFDM QPSK	1	1	19.63	19.63	19.58
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up	
		Frequency (MHz)		3480	3500.01	3519.99		
		60M	DFT-s-OFDM QPSK	1	1	19.59	19.63	19.60
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up	
		Frequency (MHz)		3470.01	3500.01	3529.98		
		40M	DFT-s-OFDM QPSK	1	1	19.55	19.51	19.59
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up	
		Frequency (MHz)		3465.03	3500.01	3534.96		
		30M	DFT-s-OFDM QPSK	1	1	19.63	19.51	19.53
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up	
		Frequency (MHz)		3460.02	3500.01	3540		
		20M	DFT-s-OFDM QPSK	1	1	19.60	19.62	19.53

Reduce Power Ant5 DSI2								
PC2_n78 (SCS 30 kHz) 3450~3550MHz								
BW	MCS Index	Channel		Mid		Max. Tune-up (dBm)		
		RB Size	RB Offset					
100M	DFT-s-OFDM P/2 BPSK	Frequency (MHz)		633334	3500.01			
		1	1	19.45	20.5			
		1	137	19.03	20.5			
		1	271	19.50	20.5			
		135	0	19.33	20.5			
		135	69	19.19	20.5			
		135	138	19.22	20.5			
		270	0	19.36	20.5			
		1	1	19.64	20.5			
	DFT-s-OFDM QPSK	1	137	18.93	20.5			
		1	271	19.53	20.5			
		135	0	19.43	20.5			
		135	69	19.18	20.5			
		135	138	19.27	20.5			
		270	0	19.39	20.5			
		DFT-s-OFDM 16QAM	1	1	19.48	20.5		
		DFT-s-OFDM 64QAM	1	1	19.39	20.5		
		DFT-s-OFDM 256QAM	1	1	19.43	20.5		
	BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
	90M	DFT-s-OFDM QPSK	Frequency (MHz)		3495	3500.01	3504.99	
			1	1	19.61	19.59	19.57	20.5
	BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
	80M	DFT-s-OFDM QPSK	Frequency (MHz)		3490.02	3500.01	3510	
			1	1	19.57	19.50	19.51	20.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up	
70M	DFT-s-OFDM QPSK	Frequency (MHz)		3485.01	3500.01	3514.98		
		1	1	19.55	19.47	19.44	20.5	
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up	
60M	DFT-s-OFDM QPSK	Frequency (MHz)		3480	3500.01	3519.99		
		1	1	19.47	19.55	19.51	20.5	
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up	
40M	DFT-s-OFDM QPSK	Frequency (MHz)		3470.01	3500.01	3529.98		
		1	1	19.52	19.51	19.45	20.5	
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up	
30M	DFT-s-OFDM QPSK	Frequency (MHz)		3465.03	3500.01	3534.96		
		1	1	19.53	19.48	19.46	20.5	
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up	
20M	DFT-s-OFDM QPSK	Frequency (MHz)		3460.02	3500.01	3540		
		1	1	19.54	19.55	19.54	20.5	

Full Power (Ant1+2)							
PC3 n41 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	CP-OFDM QPSK	1	1	23.06	22.98	23.12	23.7
		1	137	22.95	22.85	22.85	23.7
		1	271	23.02	22.73	22.81	23.7
		137	0	22.93	22.88	22.95	23.7
		137	68	22.92	22.87	22.72	23.7
		137	136	22.15	22.84	22.75	23.7
		273	0	22.84	22.87	22.89	23.7
	CP-OFDM 16QAM	1	1	22.97	22.93	22.94	23.7
	CP-OFDM 64QAM	1	1	22.43	22.24	22.25	23.2
	CP-OFDM 256QAM	1	1	19.61	19.41	19.37	20.2
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	1	23.03	22.95	22.92	23.7
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	1	23.03	22.90	22.85	23.7
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	1	23.02	22.97	22.90	23.7
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	1	23.08	22.92	22.91	23.7
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	1	23.04	22.93	22.85	23.7
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	CP-OFDM QPSK	1	1	23.07	22.87	22.93	23.7
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	1	23.09	22.96	22.83	23.7

Full Power (Ant1+2)							
PC2 n41 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	CP-OFDM QPSK	1	1	24.49	24.51	24.53	25.2
		1	137	24.45	24.46	24.26	25.2
		1	271	24.46	24.46	24.36	25.2
		137	0	22.83	22.89	23.82	24
		137	68	24.32	24.34	24.36	25.2
		137	136	22.88	22.83	22.79	23.7
		273	0	22.84	22.81	22.86	23.7
	CP-OFDM 16QAM	1	1	23.91	23.87	23.72	24.7
	CP-OFDM 64QAM	1	1	22.24	22.23	22.48	23.2
	CP-OFDM 256QAM	1	1	19.30	19.32	19.31	20.2
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	1	24.47	24.41	24.45	25.2
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	1	24.48	24.37	24.42	25.2
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	1	24.45	24.47	24.35	25.2
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	1	24.50	24.47	24.35	25.2
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	1	24.44	24.48	24.32	25.2
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	CP-OFDM QPSK	1	1	24.48	24.45	24.39	25.2
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	1	24.47	24.40	24.42	25.2

Full Power Ant3+5							
PC3_n77 (SCS 30 kHz) 3450~3550MHz							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1	22.75		23.7	
		1	137	22.59		23.7	
		1	271	22.73		23.7	
		137	0	22.59		23.7	
		137	68	22.72		23.7	
		137	136	22.61		23.7	
		273	0	22.67		23.7	
	CP-OFDM 16QAM	1	1	22.72		23.7	
	CP-OFDM 64QAM	1	1	22.10		23	
	CP-OFDM 256QAM	1	1	19.21		20.2	
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	22.38	22.54	22.48	23.7
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	22.32	22.47	22.33	23.7
BW	MCS Index	Channel		631334	633334	635332	22.5
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	22.36	22.50	22.36	23.7
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	22.32	22.53	22.41	23.7
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	22.35	22.42	22.37	23.7

Full Power Ant3+5							
PC2_n77 (SCS 30 kHz) 3450~3550MHz							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1	24.63		25.2	
		1	137	24.28		25.2	
		1	271	24.38		25.2	
		137	0	22.74		23.7	
		137	68	24.42		25.2	
		137	136	22.75		23.7	
		273	0	22.87		23.7	
	CP-OFDM 16QAM	1	1	23.66		24.7	
	CP-OFDM 64QAM	1	1	22.41		23.2	
	CP-OFDM 256QAM	1	1	19.26		20.2	
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.29	24.30	24.27	25.2
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.16	24.22	24.22	25.2
BW	MCS Index	Channel		631334	633334	635332	22.5
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.26	24.29	24.19	25.2
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	24.14	24.15	24.15	25.2
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.26	24.17	24.19	25.2

Full Power Ant3+5							
PC3_n77 (SCS 30 kHz) 3700~3980MHz							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	22.79	22.56	22.59	23.7
		1	137	22.44	22.53	22.52	23.7
		1	271	22.76	22.52	22.55	23.7
		137	0	22.57	22.55	22.56	23.7
		137	68	22.55	22.47	22.53	23.7
		137	136	22.53	22.43	22.41	23.7
		273	0	22.56	22.51	22.53	23.7
	CP-OFDM 16QAM	1	1	22.78	22.65	22.56	23.7
	CP-OFDM 64QAM	1	1	22.24	21.93	21.94	23
	CP-OFDM 256QAM	1	1	19.30	19.01	19.09	20.2
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	22.71	22.46	22.46	23.7
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	22.67	22.47	22.52	23.7
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	22.77	22.52	22.46	23.7
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	1	22.78	22.41	22.50	23.7
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	22.70	22.42	22.48	23.7

Full Power Ant3+5							
PC2_n77 (SCS 30 kHz) 3700~3980MHz							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	24.43	24.42	24.41	25.2
		1	137	24.14	24.32	24.39	25.2
		1	271	24.41	24.36	24.23	25.2
		137	0	22.72	22.92	22.88	23.7
		137	68	24.35	24.31	24.33	25.2
		137	136	22.78	22.94	22.81	23.7
		273	0	22.96	22.92	22.86	23.7
	CP-OFDM 16QAM	1	1	23.79	23.82	23.94	24.7
	CP-OFDM 64QAM	1	1	22.02	22.08	22.16	23.2
	CP-OFDM 256QAM	1	1	19.23	19.25	19.31	20.2
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.38	24.33	24.40	25.2
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.35	24.28	24.29	25.2
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.39	24.38	24.33	25.2
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.38	24.30	24.35	25.2
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.39	24.31	24.37	25.2

MCS Index	RB Size	RB Offset			Mid	Max. Tune-up (dBm)
	Channel				633334	
	Frequency (MHz)				3500.01	
CP-OFDM QPSK	1	1			22.84	23.7
	1	137			22.67	23.7
	1	271			22.75	23.7
	137	0			22.77	23.7
	137	68			22.64	23.7
	137	136			22.59	23.7
	273	0			22.72	23.7
CP-OFDM 16QAM	1	1			22.76	23.7
CP-OFDM 64QAM	1	1			22.04	23
CP-OFDM 256QAM	1	1			19.23	20.2
MCS Index	Channel		633000	633334	633666	Max. Tune-up
	Frequency (MHz)		3495	3500.01	3504.99	
CP-OFDM QPSK	1	1	22.34	22.45	22.36	23.7
MCS Index	Channel		632668	633334	634000	Max. Tune-up
	Frequency (MHz)		3490.02	3500.01	3510	
CP-OFDM QPSK	1	1	22.24	22.31	22.24	23.7
MCS Index	Channel		632334	633334	634332	Max. Tune-up
	Frequency (MHz)		3485.01	3500.01	3514.98	
CP-OFDM QPSK	1	1	22.26	22.35	22.21	23.7
MCS Index	Channel		632000	633334	634666	Max. Tune-up
	Frequency (MHz)		3480	3500.01	3519.99	
CP-OFDM QPSK	1	1	22.32	22.42	22.24	23.7
MCS Index	Channel		631334	633334	635332	Max. Tune-up
	Frequency (MHz)		3470.01	3500.01	3529.98	
CP-OFDM QPSK	1	1	22.26	22.35	22.30	23.7
MCS Index	Channel		631002	633334	635664	Max. Tune-up
	Frequency (MHz)		3465.03	3500.01	3534.96	
CP-OFDM QPSK	1	1	22.30	22.35	22.31	23.7
MCS Index	Channel		630668	633334	636000	Max. Tune-up
	Frequency (MHz)		3460.02	3500.01	3540	
CP-OFDM QPSK	1	1	22.33	22.38	22.30	23.7

Full Power Ant3+5							
PC2_n78 (SCS 30 kHz) 3450-3550MHz							
BW	MCS Index	RB Size	RB Offset			Max. Tune-up (dBm)	
		Channel					
		Frequency (MHz)					
100M	CP-OFDM QPSK	1	1		633334	25.2	
					3500.01		
		1	137		24.51	25.2	
		1	271		24.22	25.2	
		137	0		24.37	25.2	
		137	68		22.71	23.7	
		137	136		22.71	23.7	
	273	0		22.87	23.7		
	CP-OFDM 16QAM	1	1		23.78	24.7	
	CP-OFDM 64QAM	1	1		22.02	23.2	
CP-OFDM 256QAM	1	1		19.21	20.2		
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	24.41	24.45	24.38	25.2
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.39	24.44	24.30	25.2
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	1	24.40	24.34	24.23	25.2
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.34	24.37	24.25	25.2
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.31	24.38	24.28	25.2
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	24.35	24.38	24.37	25.2
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.27	24.42	24.25	25.2

Reduce Power Ant3+5 DS12							
PC3_n77 (SCS 30 kHz) 3450~3550MHz							
BW	MCS Index	RB Size	RB Offset			Mid	Max. Tune-up (dBm)
		Channel				633334	
		Frequency (MHz)				3500.01	
100M	CP-OFDM QPSK	1	1			17.43	18
		1	137			17.16	18
		1	271			17.26	18
		137	0			17.28	18
		137	68			17.37	18
		137	136			17.25	18
		273	0			17.39	18
	CP-OFDM 16QAM	1				17.28	18
	CP-OFDM 64QAM	1	1			17.07	18
	CP-OFDM 256QAM	1	1			17.16	18
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	17.39	17.41	17.35	18
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	17.24	17.35	17.33	18
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	17.28	17.40	17.22	18
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	17.36	17.26	17.20	18
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	17.38	17.36	17.29	18

Reduce Power Ant3+5 DS12							
PC2_n77 (SCS 30 kHz) 3450~3550MHz							
BW	MCS Index	RB Size	RB Offset			Mid	Max. Tune-up (dbm)
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1	17.53		18	
		1	137	17.01		18	
		1	271	17.17		18	
		137	0	17.20		18	
		137	68	17.23		18	
		137	136	17.17		18	
		273	0	17.10		18	
	CP-OFDM 16QAM	1	1	17.46		18	
	CP-OFDM 64QAM	1	1	17.19		18	
CP-OFDM 256QAM	1	1	17.07		18		
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	17.46	17.51	17.35	18
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	17.33	17.36	17.20	18
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	17.42	17.43	17.34	18
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	17.37	17.40	17.26	18
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	17.45	17.46	17.33	18

Reduce Power Ant3+5 DS12							
PC3_n77 (SCS 30 kHz) 3700~3980MHz							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	17.64	17.57	17.36	18
		1	137	17.21	16.99	17.07	18
		1	271	17.33	17.19	16.95	18
		137	0	17.36	17.24	17.10	18
		137	68	17.15	17.12	17.03	18
		137	136	17.28	17.22	16.94	18
		273	0	17.43	17.34	16.91	18
	CP-OFDM 16QAM	1	1	17.41	17.50	17.00	18
	CP-OFDM 64QAM	1	1	17.21	17.42	17.06	18
	CP-OFDM 256QAM	1	1	17.26	17.30	17.28	18
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	17.62	17.51	17.32	18
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	17.50	17.42	17.17	18
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	17.58	17.48	17.17	18
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	1	17.54	17.40	17.29	18
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	17.48	17.36	17.19	18

Reduce Power Ant3+5 DS12							
PC2_n77 (SCS 30 kHz) 3700~3980MHz							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	17.57	17.49	17.46	18
		1	137	17.06	17.14	17.09	18
		1	271	17.26	17.25	16.85	18
		137	0	17.27	17.35	17.10	18
		137	68	17.28	17.37	17.11	18
		137	136	17.20	17.21	16.97	18
		273	0	17.19	17.35	16.86	18
	CP-OFDM 16QAM	1	1	17.56	17.26	17.06	18
	CP-OFDM 64QAM	1	1	17.32	17.17	17.03	18
	CP-OFDM 256QAM	1	1	17.14	17.22	17.22	18
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	17.42	17.43	17.34	18
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	17.49	17.40	17.35	18
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	17.43	17.35	17.43	18
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	1	17.43	17.41	17.34	18
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	17.43	17.46	17.41	18

Reduce Power Ant3+5 DSI2							
PC3 n78 (SCS 30 kHz) 3450–3550MHz							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1	17.44		18	
		1	137	17.27		18	
		1	271	17.20		18	
		137	0	17.25		18	
		137	68	17.12		18	
		137	136	17.19		18	
		273	0	17.34		18	
	CP-OFDM 16QAM	1	1	17.28		18	
	CP-OFDM 64QAM	1	1	17.22		18	
	CP-OFDM 256QAM	1	1	16.88		18	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	17.17	17.31	17.15	18
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	17.05	17.36	17.04	18
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	1	17.10	17.30	17.09	18
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	17.05	17.27	17.12	18
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	17.11	17.29	17.09	18
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	17.02	17.21	17.10	18
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	17.10	17.27	17.07	18

Reduce Power Ant3+5 DS12								
PC2 n78 (SCS 30 kHz) 3450–3550MHz								
BW	MCS Index	RB Size	RB Offset	Mid		3GPP MPR (dB)	Max. Tune-up (dBm)	
		Channel		633334				
		Frequency (MHz)		3500.01				
100M	CP-OFDM QPSK	1	1	17.42			18	
		1	137	17.26			18	
		1	271	17.15			18	
		137	0	17.29			18	
		137	68	17.16			18	
		137	136	17.19			18	
		273	0	17.29			18	
	CP-OFDM 16QAM	1	1	16.98			18	
	CP-OFDM 64QAM	1	1	17.02			18	
	CP-OFDM 256QAM	1	1	17.13			18	
BW	MCS Index	Channel		633000	633334	633666	3GPP MPR	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99		
90M	CP-OFDM QPSK	1	1	17.21	17.39	17.14		18
BW	MCS Index	Channel		632668	633334	634000	3GPP MPR	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510		
80M	CP-OFDM QPSK	1	1	17.19	17.36	17.03		18
BW	MCS Index	Channel		632334	633334	634332	3GPP MPR	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98		
70M	CP-OFDM QPSK	1	1	17.17	17.27	17.08		18
BW	MCS Index	Channel		632000	633334	634666	3GPP MPR	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99		
60M	CP-OFDM QPSK	1	1	17.12	17.32	17.05		18
BW	MCS Index	Channel		631334	633334	635332	3GPP MPR	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98		
40M	CP-OFDM QPSK	1	1	17.07	17.24	17.00		18
BW	MCS Index	Channel		631002	633334	635664	3GPP MPR	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96		
30M	CP-OFDM QPSK	1	1	17.14	17.31	17.13		18
BW	MCS Index	Channel		630668	633334	636000	3GPP MPR	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540		
20M	CP-OFDM QPSK	1	1	17.12	17.28	17.06		18

Appendix E. SAR Results for Exposure Condition

The SAR Results for Exposure Condition is shown as below.

< Head Exposure Condition >
<GSM/WCDMA>

Plot No.	Band	Mode	Test Position	Channel	Ant	Sample	Power Reduction	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Scaling Factor	Scaled 1g SAR
P01	GSM850	GPRS 2Tx Slot	Right Cheek	128	ANT0	1	Full	30.70	30.29	-0.01	0.110	1.099	0.12
	GSM850	GPRS 2Tx Slot	Right Tilted	128	ANT0	1	Full	30.70	30.29	0.14	0.080	1.099	0.09
	GSM850	GPRS 2Tx Slot	Left Cheek	128	ANT0	1	Full	30.70	30.29	-0.17	0.120	1.099	0.13
	GSM850	GPRS 2Tx Slot	Left Tilted	128	ANT0	1	Full	30.70	30.29	-0.06	0.067	1.099	0.07
	GSM850	GPRS 2Tx Slot	Left Cheek	189	ANT0	1	Full	30.70	30.27	-0.01	0.142	1.104	0.16
	GSM850	GPRS 2Tx Slot	Left Cheek	251	ANT0	1	Full	30.70	30.18	-0.20	0.137	1.127	0.15
	GSM850	GPRS 2Tx Slot	Left Cheek	189	ANT0	2	Full	30.70	30.27	-0.19	0.118	1.104	0.13
P02	GSM1900	GPRS 4Tx Slot	Right Cheek	661	ANT0	1	Full	24.70	24.34	0.04	0.109	1.086	0.12
	GSM1900	GPRS 4Tx Slot	Right Tilted	661	ANT0	1	Full	24.70	24.34	0.14	0.053	1.086	0.06
	GSM1900	GPRS 4Tx Slot	Left Cheek	661	ANT0	1	Full	24.70	24.34	0.00	0.193	1.086	0.21
	GSM1900	GPRS 4Tx Slot	Left Tilted	661	ANT0	1	Full	24.70	24.34	0.15	0.058	1.086	0.06
	GSM1900	GPRS 4Tx Slot	Left Cheek	512	ANT0	1	Full	24.70	24.27	0.17	0.172	1.104	0.19
	GSM1900	GPRS 4Tx Slot	Left Cheek	810	ANT0	1	Full	24.70	24.32	-0.06	0.212	1.091	0.23
	GSM1900	GPRS 4Tx Slot	Left Cheek	810	ANT0	2	Full	24.70	24.32	0.15	0.182	1.091	0.20
P03	WCDMA II	RMC12.2K	Right Cheek	9400	ANT0	1	Full	23.7	23.04	0.06	0.207	1.164	0.24
	WCDMA II	RMC12.2K	Right Tilted	9400	ANT0	1	Full	23.7	23.04	-0.13	0.112	1.164	0.13
	WCDMA II	RMC12.2K	Left Cheek	9400	ANT0	1	Full	23.7	23.04	-0.01	0.306	1.164	0.36
	WCDMA II	RMC12.2K	Left Tilted	9400	ANT0	1	Full	23.7	23.04	-0.11	0.103	1.164	0.12
	WCDMA II	RMC12.2K	Left Cheek	9262	ANT0	1	Full	23.7	22.98	0.08	0.260	1.180	0.31
	WCDMA II	RMC12.2K	Left Cheek	9538	ANT0	1	Full	23.7	22.95	-0.08	0.405	1.189	0.48
	WCDMA II	RMC12.2K	Left Cheek	9538	ANT0	2	Full	23.7	22.95	-0.10	0.377	1.189	0.45
P04	WCDMA IV	RMC12.2K	Right Cheek	1312	ANT0	1	Full	23.7	23.05	-0.12	0.086	1.161	0.10
	WCDMA IV	RMC12.2K	Right Tilted	1312	ANT0	1	Full	23.7	23.05	-0.08	0.067	1.161	0.08
	WCDMA IV	RMC12.2K	Left Cheek	1312	ANT0	1	Full	23.7	23.05	0.10	0.132	1.161	0.15
	WCDMA IV	RMC12.2K	Left Tilted	1312	ANT0	1	Full	23.7	23.05	0.01	0.091	1.161	0.11
	WCDMA IV	RMC12.2K	Left Cheek	1413	ANT0	1	Full	23.7	23.02	0.04	0.175	1.169	0.20
	WCDMA IV	RMC12.2K	Left Cheek	1513	ANT0	1	Full	23.7	23.03	-0.19	0.152	1.167	0.18
	WCDMA IV	RMC12.2K	Left Cheek	1413	ANT0	2	Full	23.7	23.02	0.13	0.124	1.169	0.15
P05	WCDMA V	RMC12.2K	Right Cheek	4233	ANT0	1	Full	23.7	23.21	-0.05	0.152	1.119	0.17
	WCDMA V	RMC12.2K	Right Tilted	4233	ANT0	1	Full	23.7	23.21	0.15	0.074	1.119	0.08
	WCDMA V	RMC12.2K	Left Cheek	4233	ANT0	1	Full	23.7	23.21	0.11	0.099	1.119	0.11
	WCDMA V	RMC12.2K	Left Tilted	4233	ANT0	1	Full	23.7	23.21	-0.20	0.063	1.119	0.07
	WCDMA V	RMC12.2K	Right Cheek	4132	ANT0	1	Full	23.7	23.12	-0.14	0.119	1.143	0.14
	WCDMA V	RMC12.2K	Right Cheek	4182	ANT0	1	Full	23.7	23.13	0.00	0.127	1.140	0.14
	WCDMA V	RMC12.2K	Right Cheek	4233	ANT0	2	Full	23.7	23.21	0.19	0.133	1.119	0.15

Plot No.	Band	Mode	Test Position	Channel	Ant	RB	offset	Sample	Power Reduction	Duty Cycle	Maximum Turn-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Duty Cycle Factor	Scaling Factor	Scaled 1g SAR
	LTE 13	QPSK10M	Right Cheek	23230	ANT0	1	0	1	Full	-	23.7	22.36	-0.10	0.076	-	1.361	0.10
	LTE 13	QPSK10M	Right Tilted	23230	ANT0	1	0	1	Full	-	23.7	22.36	-0.15	0.048	-	1.361	0.07
P10	LTE 13	QPSK10M	Left Cheek	23230	ANT0	1	0	1	Full	-	23.7	22.36	0.08	0.083	-	1.361	0.11
	LTE 13	QPSK10M	Left Tilted	23230	ANT0	1	0	1	Full	-	23.7	22.36	-0.06	0.000	-	1.361	0.00
	LTE 13	QPSK10M	Right Cheek	23230	ANT0	25	25	1	Full	-	22.7	21.48	-0.12	0.060	-	1.324	0.08
	LTE 13	QPSK10M	Right Tilted	23230	ANT0	25	25	1	Full	-	22.7	21.48	-0.16	0.000	-	1.324	0.00
	LTE 13	QPSK10M	Left Cheek	23230	ANT0	25	25	1	Full	-	22.7	21.48	-0.14	0.067	-	1.324	0.09
	LTE 13	QPSK10M	Left Tilted	23230	ANT0	25	25	1	Full	-	22.7	21.48	0.08	0.000	-	1.324	0.00
	LTE 13	QPSK10M	Left Cheek	23230	ANT0	1	0	2	Full	-	23.7	22.36	0.09	0.064	-	1.361	0.09
	LTE 41/38	QPSK20M	Right Cheek	40620	ANT0	1	0	1	Full	62.90	23.7	22.65	-0.10	0.020	1.006	1.274	0.03
	LTE 41/38	QPSK20M	Right Tilted	40620	ANT0	1	0	1	Full	62.90	23.7	22.65	-0.18	0.000	1.006	1.274	0.00
P11	LTE 41/38	QPSK20M	Left Cheek	40620	ANT0	1	0	1	Full	62.90	23.7	22.65	-0.01	0.039	1.006	1.274	0.05
	LTE 41/38	QPSK20M	Left Tilted	40620	ANT0	1	0	1	Full	62.90	23.7	22.65	-0.02	0.000	1.006	1.274	0.00
	LTE 41/38	QPSK20M	Right Cheek	40620	ANT0	50	0	1	Full	62.90	22.7	21.70	-0.02	0.000	1.006	1.259	0.00
	LTE 41/38	QPSK20M	Right Tilted	40620	ANT0	50	0	1	Full	62.90	22.7	21.70	0.17	0.000	1.006	1.259	0.00
	LTE 41/38	QPSK20M	Left Cheek	40620	ANT0	50	0	1	Full	62.90	22.7	21.70	0.05	0.018	1.006	1.259	0.02
	LTE 41/38	QPSK20M	Left Tilted	40620	ANT0	50	0	1	Full	62.90	22.7	21.70	-0.08	0.000	1.006	1.259	0.00
	LTE 41/38	QPSK20M	Left Cheek	40620	ANT0	1	0	2	Full	62.90	23.7	22.65	-0.14	0.025	1.006	1.274	0.03
	LTE 48	QPSK20M	Right Cheek	56640	ANT5	1	0	1	DSI1	62.90	21.0	20.02	0.16	0.133	1.006	1.253	0.17
	LTE 48	QPSK20M	Right Tilted	56640	ANT5	1	0	1	DSI1	62.90	21.0	20.02	0.09	0.063	1.006	1.253	0.08
P12	LTE 48	QPSK20M	Left Cheek	56640	ANT5	1	0	1	DSI1	62.90	21.0	20.02	0.08	0.274	1.006	1.253	0.35
	LTE 48	QPSK20M	Left Tilted	56640	ANT5	1	0	1	DSI1	62.90	21.0	20.02	-0.14	0.033	1.006	1.253	0.04
	LTE 48	QPSK20M	Right Cheek	56640	ANT5	50	25	1	DSI1	62.90	20.0	19.23	-0.10	0.088	1.006	1.194	0.11
	LTE 48	QPSK20M	Right Tilted	56640	ANT5	50	25	1	DSI1	62.90	20.0	19.23	-0.15	0.000	1.006	1.194	0.00
	LTE 48	QPSK20M	Left Cheek	56640	ANT5	50	25	1	DSI1	62.90	20.0	19.23	-0.18	0.248	1.006	1.194	0.30
	LTE 48	QPSK20M	Left Tilted	56640	ANT5	50	25	1	DSI1	62.90	20.0	19.23	0.04	0.000	1.006	1.194	0.00
	LTE 48	QPSK20M	Left Cheek	55340	ANT5	1	0	1	DSI1	62.90	21.0	19.46	0.18	0.239	1.006	1.426	0.34
	LTE 48	QPSK20M	Left Cheek	55830	ANT5	1	0	1	DSI1	62.90	21.0	19.61	-0.11	0.235	1.006	1.377	0.33
	LTE 48	QPSK20M	Left Cheek	56150	ANT5	1	0	1	DSI1	62.90	21.0	19.54	-0.09	0.238	1.006	1.400	0.34
	LTE 48	QPSK20M	Left Cheek	56640	ANT5	1	0	2	DSI1	62.90	21.0	20.02	-0.11	0.169	1.006	1.253	0.21
	LTE 66/4	QPSK20M	Right Cheek	132322	ANT0	1	99	1	Full	-	23.7	22.39	0.17	0.075	-	1.352	0.10
	LTE 66/4	QPSK20M	Right Tilted	132322	ANT0	1	99	1	Full	-	23.7	22.39	-0.06	0.052	-	1.352	0.07
	LTE 66/4	QPSK20M	Left Cheek	132322	ANT0	1	99	1	Full	-	23.7	22.39	0.08	0.132	-	1.352	0.18
	LTE 66/4	QPSK20M	Left Tilted	132322	ANT0	1	99	1	Full	-	23.7	22.39	-0.16	0.074	-	1.352	0.10
	LTE 66/4	QPSK20M	Right Cheek	132322	ANT0	50	50	1	Full	-	22.7	21.39	0.16	0.059	-	1.352	0.08
	LTE 66/4	QPSK20M	Right Tilted	132322	ANT0	50	50	1	Full	-	22.7	21.39	0.12	0.042	-	1.352	0.06
	LTE 66/4	QPSK20M	Left Cheek	132322	ANT0	50	50	1	Full	-	22.7	21.39	-0.20	0.104	-	1.352	0.14
	LTE 66/4	QPSK20M	Left Tilted	132322	ANT0	50	50	1	Full	-	22.7	21.39	-0.17	0.056	-	1.352	0.08
	LTE 66/4	QPSK20M	Left Cheek	132072	ANT0	1	99	1	Full	-	23.7	22.16	0.16	0.120	-	1.426	0.17
	LTE 66/4	QPSK20M	Left Cheek	132572	ANT0	1	99	1	Full	-	23.7	22.34	-0.17	0.123	-	1.368	0.17
	LTE 66/4	QPSK20M	Left Cheek	132322	ANT0	1	99	2	Full	-	23.7	22.39	-0.15	0.118	-	1.352	0.16
	LTE 66(ENDC Only)	QPSK20M	Right Cheek	132322	ANT1	1	99	1	Full	-	21.0	20.04	-0.14	0.158	-	1.247	0.20
	LTE 66(ENDC Only)	QPSK20M	Right Tilted	132322	ANT1	1	99	1	Full	-	21.0	20.04	0.04	0.000	-	1.247	0.00
	LTE 66(ENDC Only)	QPSK20M	Left Cheek	132322	ANT1	1	99	1	Full	-	21.0	20.04	-0.13	0.081	-	1.247	0.08
	LTE 66(ENDC Only)	QPSK20M	Left Tilted	132322	ANT1	1	99	1	Full	-	21.0	20.04	-0.08	0.000	-	1.247	0.00
	LTE 66(ENDC Only)	QPSK20M	Right Cheek	132322	ANT1	50	50	1	Full	-	20.0	19.05	0.08	0.088	-	1.245	0.11
	LTE 66(ENDC Only)	QPSK20M	Right Tilted	132322	ANT1	50	50	1	Full	-	20.0	19.05	-0.03	0.000	-	1.245	0.00
	LTE 66(ENDC Only)	QPSK20M	Left Cheek	132322	ANT1	50	50	1	Full	-	20.0	19.05	-0.16	0.050	-	1.245	0.06
	LTE 66(ENDC Only)	QPSK20M	Left Tilted	132322	ANT1	50	50	1	Full	-	20.0	19.05	-0.08	0.000	-	1.245	0.00
	LTE 66(ENDC Only)	QPSK20M	Right Cheek	132072	ANT1	1	99	1	Full	-	21.0	19.89	-0.16	0.113	-	1.291	0.15
	LTE 66(ENDC Only)	QPSK20M	Right Cheek	132572	ANT1	1	99	1	Full	-	21.0	20.01	0.19	0.109	-	1.256	0.14
	LTE 66(ENDC Only)	QPSK20M	Right Cheek	132322	ANT1	1	99	2	Full	-	21.0	20.04	-0.02	0.116	-	1.247	0.14
	LTE 66(ENDC Only)	QPSK20M	Right Cheek	132322	ANT2	1	99	1	DSI1	-	22.0	21.05	0.01	0.414	-	1.245	0.52
	LTE 66(ENDC Only)	QPSK20M	Right Tilted	132322	ANT2	1	99	1	DSI1	-	22.0	21.05	-0.15	0.244	-	1.245	0.30
P13	LTE 66(ENDC Only)	QPSK20M	Left Cheek	132322	ANT2	1	99	1	DSI1	-	22.0	21.05	-0.09	0.514	-	1.245	0.64
	LTE 66(ENDC Only)	QPSK20M	Left Tilted	132322	ANT2	1	99	1	DSI1	-	22.0	21.05	0.17	0.331	-	1.245	0.41
	LTE 66(ENDC Only)	QPSK20M	Right Cheek	132322	ANT2	50	50	1	DSI1	-	21.0	19.85	0.07	0.416	-	1.303	0.54
	LTE 66(ENDC Only)	QPSK20M	Right Tilted	132322	ANT2	50	50	1	DSI1	-	21.0	19.85	-0.05	0.259	-	1.303	0.34
	LTE 66(ENDC Only)	QPSK20M	Left Cheek	132322	ANT2	50	50	1	DSI1	-	21.0	19.85	-0.16	0.485	-	1.303	0.63
	LTE 66(ENDC Only)	QPSK20M	Left Tilted	132322	ANT2	50	50	1	DSI1	-	21.0	19.85	-0.02	0.335	-	1.303	0.44
	LTE 66(ENDC Only)	QPSK20M	Left Cheek	132072	ANT2	1	99	1	DSI1	-	22.0	20.91	0.13	0.450	-	1.285	0.58
	LTE 66(ENDC Only)	QPSK20M	Left Cheek	132572	ANT2	1	99	1	DSI1	-	22.0	20.93	0.06	0.444	-	1.279	0.57
	LTE 66(ENDC Only)	QPSK20M	Left Cheek	132322	ANT2	1	99	2	DSI1	-	22.0	21.05	0.18	0.339	-	1.245	0.42
	LTE 71	QPSK20M	Right Cheek	133222	ANT0	1	0	1	Full	-	23.7	22.57	-0.02	0.046	-	1.297	0.06
	LTE 71	QPSK20M	Right Tilted	133222	ANT0	1	0	1	Full	-	23.7	22.57	-0.02	0.000	-	1.297	0.00
	LTE 71	QPSK20M	Left Cheek	133222	ANT0	1	0	1	Full	-	23.7	22.57	0.09	0.062	-	1.297	0.08
	LTE 71	QPSK20M	Left Tilted	133222	ANT0	1	0	1	Full	-	23.7	22.57	-0.16	0.000	-	1.297	0.00
	LTE 71	QPSK20M	Right Cheek	133222	ANT0	50	50	1	Full	-	22.7	21.65	-0.11	0.000	-	1.274	0.00
	LTE 71	QPSK20M	Right Tilted	133222	ANT0	50	50	1	Full	-	22.7	21.65	0.08	0.000	-	1.274	0.00
	LTE 71	QPSK20M	Left Cheek	133222	ANT0	50	50	1	Full	-	22.7	21.65	0.01	0.053	-	1.274	0.07
	LTE 71	QPSK20M	Left Tilted	133222	ANT0	50	50	1	Full	-	22.7	21.65	0.15	0.000	-	1.274	0.00
	LTE 71	QPSK20M	Left Cheek	133322	ANT0	1	0	1	Full	-	23.7	22.54	0.07	0.061	-	1.306	0.08
P14	LTE 71	QPSK20M	Left Cheek	133372	ANT0	1	0	1	Full	-	23.7	22.56	0.02	0.068	-	1.300	0.09
	LTE 71	QPSK20M	Left Cheek	133372	ANT0	1	0	2	Full	-	23.7	22.56	0.12	0.052	-	1.300	0.07

< Body Worn Exposure Condition >

<GSM/WCDMA>

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	Ant	Sample	Power Reduction	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Tune-up Scaling Factor	Scaled 1g SAR
P30	GSM850	GPRS 2Tx Slot	Front Face	1.0	128	ANT0	1	Full	30.70	30.29	-0.19	0.083	1.099	0.09
	GSM850	GPRS 2Tx Slot	Rear Face	1.0	128	ANT0	1	Full	30.70	30.29	0.18	0.242	1.099	0.27
	GSM850	GPRS 2Tx Slot	Rear Face	1.0	189	ANT0	1	Full	30.70	30.27	-0.13	0.269	1.104	0.30
	GSM850	GPRS 2Tx Slot	Rear Face	1.0	251	ANT0	1	Full	30.70	30.18	-0.14	0.258	1.127	0.29
	GSM850	GPRS 2Tx Slot	Rear Face	1.0	189	ANT0	2	Full	30.70	30.27	-0.13	0.246	1.104	0.27
P31	GSM1900	GPRS 4Tx Slot	Front Face	1.0	661	ANT0	1	Full	24.70	24.34	-0.17	0.209	1.086	0.23
	GSM1900	GPRS 4Tx Slot	Rear Face	1.0	661	ANT0	1	Full	24.70	24.34	-0.05	0.251	1.086	0.27
	GSM1900	GPRS 4Tx Slot	Rear Face	1.0	512	ANT0	1	Full	24.70	24.27	0.07	0.275	1.104	0.30
	GSM1900	GPRS 4Tx Slot	Rear Face	1.0	810	ANT0	1	Full	24.70	24.32	-0.06	0.250	1.091	0.27
	GSM1900	GPRS 4Tx Slot	Rear Face	1.0	512	ANT0	2	Full	24.70	24.27	0.19	0.258	1.104	0.28
P32	WCDMA II	RMC12.2K	Front Face	1.0	9400	ANT0	1	Full	23.7	23.04	0.06	0.000	1.164	0.00
	WCDMA II	RMC12.2K	Rear Face	1.0	9400	ANT0	1	Full	23.7	23.04	0.09	0.410	1.164	0.48
	WCDMA II	RMC12.2K	Rear Face	1.0	9262	ANT0	1	Full	23.7	22.98	-0.19	0.298	1.180	0.35
	WCDMA II	RMC12.2K	Rear Face	1.0	9538	ANT0	1	Full	23.7	22.95	-0.05	0.496	1.189	0.59
	WCDMA II	RMC12.2K	Rear Face	1.0	9538	ANT0	2	Full	23.7	22.95	0.07	0.412	1.189	0.49
P33	WCDMA IV	RMC12.2K	Front Face	1.0	1312	ANT0	1	Full	23.7	23.05	0.08	0.000	1.161	0.00
	WCDMA IV	RMC12.2K	Rear Face	1.0	1312	ANT0	1	Full	23.7	23.05	-0.01	0.394	1.161	0.46
	WCDMA IV	RMC12.2K	Rear Face	1.0	1413	ANT0	1	Full	23.7	23.02	-0.04	0.387	1.169	0.45
	WCDMA IV	RMC12.2K	Rear Face	1.0	1513	ANT0	1	Full	23.7	23.03	-0.05	0.452	1.167	0.53
	WCDMA IV	RMC12.2K	Rear Face	1.0	1513	ANT0	2	Full	23.7	23.03	-0.09	0.340	1.167	0.40
P34	WCDMA V	RMC12.2K	Front Face	1.0	4233	ANT0	1	Full	23.7	23.21	0.13	0.000	1.119	0.00
	WCDMA V	RMC12.2K	Rear Face	1.0	4233	ANT0	1	Full	23.7	23.21	0.06	0.354	1.119	0.40
	WCDMA V	RMC12.2K	Rear Face	1.0	4132	ANT0	1	Full	23.7	23.12	0.17	0.311	1.143	0.36
	WCDMA V	RMC12.2K	Rear Face	1.0	4182	ANT0	1	Full	23.7	23.13	0.12	0.324	1.140	0.37
	WCDMA V	RMC12.2K	Rear Face	1.0	4233	ANT0	2	Full	23.7	23.21	-0.14	0.298	1.119	0.33

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	Ant	RB	offset	Sample	Power Reduction	Duty Cycle	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled 1g SAR
	LTE 66/4	QPSK20M	Front Face	1.0	132322	ANT0	1	99	1	Full	-	23.7	22.39	-0.14	0.173	-	1.352	0.23
	LTE 66/4	QPSK20M	Rear Face	1.0	132322	ANT0	1	99	1	DS12	-	21.0	20.17	0.00	0.215	-	1.211	0.26
	LTE 66/4	QPSK20M	Front Face	1.0	132322	ANT0	50	50	1	Full	-	22.7	21.39	-0.05	0.141	-	1.352	0.19
	LTE 66/4	QPSK20M	Rear Face	1.0	132322	ANT0	50	50	1	DS12	-	20.0	19.19	-0.08	0.201	-	1.205	0.24
	LTE 66/4	QPSK20M	Rear Face	1.5	132322	ANT0	1	99	1	Full	-	23.7	22.39	0.06	0.117	-	1.352	0.16
	LTE 66/4	QPSK20M	Rear Face	1.5	132322	ANT0	50	50	1	Full	-	22.7	21.39	-0.16	0.118	-	1.352	0.16
	LTE 66/4	QPSK20M	Rear Face	1.0	132072	ANT0	1	99	1	DS12	-	21.0	19.98	0.09	0.183	-	1.265	0.23
	LTE 66/4	QPSK20M	Rear Face	1.0	132572	ANT0	1	99	1	DS12	-	21.0	20.11	0.15	0.245	-	1.227	0.30
	LTE 66/4	QPSK20M	Rear Face	1.0	132572	ANT0	1	99	2	DS12	-	21.0	20.11	0.10	0.205	-	1.227	0.25
	LTE 66(ENDC Only)	QPSK20M	Front Face	1.0	132322	ANT1	1	99	1	Full	-	21.0	20.04	-0.09	0.142	-	1.247	0.18
	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132322	ANT1	1	99	1	Full	-	21.0	20.04	0.15	0.190	-	1.247	0.24
	LTE 66(ENDC Only)	QPSK20M	Front Face	1.0	132322	ANT1	50	50	1	Full	-	20.0	19.05	0.08	0.150	-	1.245	0.19
	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132322	ANT1	50	50	1	Full	-	20.0	19.05	-0.06	0.211	-	1.245	0.26
	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132072	ANT1	50	50	1	Full	-	20.0	18.89	0.13	0.223	-	1.291	0.29
	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132572	ANT1	50	50	1	Full	-	20.0	18.95	0.05	0.197	-	1.274	0.25
	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132072	ANT1	50	50	1	Full	-	20.0	18.89	-0.17	0.192	-	1.291	0.25
	LTE 66(ENDC Only)	QPSK20M	Front Face	1.0	132322	ANT2	1	99	1	Full	-	23.7	22.51	0.15	0.189	-	1.315	0.25
	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132322	ANT2	1	99	1	Full	-	23.7	22.51	-0.13	0.257	-	1.315	0.34
	LTE 66(ENDC Only)	QPSK20M	Front Face	1.0	132322	ANT2	50	50	1	Full	-	22.7	21.57	0.01	0.164	-	1.297	0.21
	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132322	ANT2	50	50	1	Full	-	22.7	21.57	-0.03	0.227	-	1.297	0.29
	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132072	ANT2	1	99	1	Full	-	23.7	22.36	0.01	0.249	-	1.361	0.34
P42	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132572	ANT2	1	99	1	Full	-	23.7	22.47	0.04	0.259	-	1.327	0.34
	LTE 66(ENDC Only)	QPSK20M	Rear Face	1.0	132572	ANT2	1	99	2	Full	-	23.7	22.47	0.18	0.160	-	1.327	0.21
	LTE 71	QPSK20M	Front Face	1.0	133222	ANT0	1	0	1	Full	-	23.7	22.57	0.03	0.066	-	1.297	0.09
P43	LTE 71	QPSK20M	Rear Face	1.0	133222	ANT0	1	0	1	Full	-	23.7	22.57	0.03	0.117	-	1.297	0.15
	LTE 71	QPSK20M	Front Face	1.0	133222	ANT0	50	50	1	Full	-	22.7	21.65	0.06	0.058	-	1.274	0.07
	LTE 71	QPSK20M	Rear Face	1.0	133222	ANT0	50	50	1	Full	-	22.7	21.65	-0.03	0.107	-	1.274	0.14
	LTE 71	QPSK20M	Rear Face	1.0	133322	ANT0	1	0	1	Full	-	23.7	22.54	0.10	0.108	-	1.306	0.14
	LTE 71	QPSK20M	Rear Face	1.0	133372	ANT0	1	0	1	Full	-	23.7	22.56	-0.14	0.110	-	1.300	0.14
	LTE 71	QPSK20M	Rear Face	1.0	133222	ANT0	1	0	2	Full	-	23.7	22.57	0.07	0.106	-	1.297	0.14

< Body Worn Exposure Condition >

<WLAN/BT>

PLOT No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	Ant	Sample	Power Reduction	Duty Cycle	Maximum Turn-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled 1g SAR
	WLAN2.4G	802.11b	Front Face	1.0	11	ANT5	1	Full	100	19.00	18.08	-0.10	0.056	1.000	1.236	0.07
	WLAN2.4G	802.11b	Rear Face	1.0	11	ANT5	1	Full	100	19.00	18.08	-0.14	0.158	1.000	1.236	0.20
	WLAN2.4G	802.11b	Rear Face	1.0	1	ANT5	1	Full	100	18.00	17.23	0.18	0.087	1.000	1.194	0.10
	WLAN2.4G	802.11b	Rear Face	1.0	6	ANT5	1	Full	100	18.00	17.43	-0.17	0.113	1.000	1.140	0.13
	WLAN2.4G	802.11b	Rear Face	1.0	11	ANT5	2	Full	100	19.00	18.08	0.11	0.053	1.000	1.236	0.07
	WLAN2.4G	802.11b	Front Face	1.0	11	ANT6	1	DS12	100	14.00	13.12	-0.09	0.050	1.000	1.225	0.06
	WLAN2.4G	802.11b	Rear Face	1.0	11	ANT6	1	DS12	100	14.00	13.12	-0.02	0.283	1.000	1.225	0.35
	WLAN2.4G	802.11b	Rear Face	1.0	1	ANT6	1	DS12	100	13.00	11.92	-0.16	0.241	1.000	1.282	0.31
	WLAN2.4G	802.11b	Rear Face	1.0	6	ANT6	1	DS12	100	14.00	12.95	0.10	0.237	1.000	1.274	0.30
	WLAN2.4G	802.11b	Rear Face	1.0	11	ANT6	2	DS12	100	14.00	13.12	0.12	0.165	1.000	1.225	0.20
	WLAN2.4G	802.11b	Front Face	1.0	11	ANT5+6	1	DS12	100	18.00	17.40	-0.06	0.054	1.000	1.148	0.06
P54	WLAN2.4G	802.11b	Rear Face	1.0	11	ANT5+6	1	DS12	100	18.00	17.40	-0.01	0.383	1.000	1.148	0.44
	WLAN2.4G	802.11b	Front Face	1.3	11	ANT5+6	1	Full	100	21.00	20.45	-0.12	0.077	1.000	1.135	0.09
	WLAN2.4G	802.11b	Rear Face	2.5	11	ANT5+6	1	Full	100	21.00	20.45	0.14	0.198	1.000	1.135	0.22
	WLAN2.4G	802.11b	Rear Face	1.0	1	ANT5+6	1	DS12	100	18.00	16.59	0.07	0.203	1.000	1.384	0.28
	WLAN2.4G	802.11b	Rear Face	1.0	6	ANT5+6	1	DS12	100	18.00	17.01	0.02	0.181	1.000	1.256	0.23
	WLAN2.4G	802.11b	Rear Face	1.0	11	ANT5+6	2	DS12	100	18.00	17.40	0.02	0.210	1.000	1.148	0.24
	WLAN5G	802.11a	Front Face	1.0	52	ANT5	1	Full	99.34	17.00	15.50	-0.12	0.116	1.007	1.413	0.16
	WLAN5G	802.11a	Rear Face	1.0	52	ANT5	1	Full	99.34	17.00	15.50	-0.10	0.076	1.007	1.413	0.11
	WLAN5G	802.11a	Front Face	1.0	56	ANT5	1	Full	99.34	16.00	15.22	0.13	0.138	1.007	1.197	0.17
	WLAN5G	802.11a	Front Face	1.0	60	ANT5	1	Full	99.34	16.00	15.21	0.13	0.141	1.007	1.199	0.17
	WLAN5G	802.11a	Front Face	1.0	64	ANT5	1	Full	99.34	16.00	15.03	0.15	0.145	1.007	1.250	0.18
	WLAN5G	802.11a	Front Face	1.0	64	ANT5	2	Full	99.34	16.00	15.03	0.18	0.109	1.007	1.250	0.14
	WLAN5G	802.11a	Front Face	1.0	64	ANT6	1	Full	99.34	16.00	15.00	-0.01	0.081	1.007	1.259	0.10
	WLAN5G	802.11a	Rear Face	1.0	64	ANT6	1	Full	99.34	16.00	15.00	-0.19	0.133	1.007	1.259	0.17
	WLAN5G	802.11a	Rear Face	1.0	52	ANT6	1	Full	99.34	15.00	14.50	0.18	0.182	1.007	1.123	0.21
	WLAN5G	802.11a	Rear Face	1.0	56	ANT6	1	Full	99.34	16.00	14.51	0.10	0.142	1.007	1.409	0.20
	WLAN5G	802.11a	Rear Face	1.0	60	ANT6	1	Full	99.34	16.00	14.67	-0.07	0.145	1.007	1.358	0.20
	WLAN5G	802.11a	Rear Face	1.0	52	ANT6	2	Full	99.34	15.00	14.50	-0.01	0.141	1.007	1.123	0.16
	WLAN5G	802.11a	Front Face	1.0	52	ANT5+6	1	Full	99.34	19.00	18.30	-0.05	0.155	1.007	1.175	0.18
P55	WLAN5G	802.11a	Rear Face	1.0	52	ANT5+6	1	Full	99.34	19.00	18.30	-0.03	0.207	1.007	1.175	0.24
	WLAN5G	802.11a	Rear Face	1.0	56	ANT5+6	1	Full	99.34	19.00	18.24	0.05	0.158	1.007	1.191	0.19
	WLAN5G	802.11a	Rear Face	1.0	60	ANT5+6	1	Full	99.34	19.00	18.19	-0.11	0.157	1.007	1.205	0.19
	WLAN5G	802.11a	Rear Face	1.0	64	ANT5+6	1	Full	99.34	19.00	18.22	-0.17	0.162	1.007	1.197	0.20
	WLAN5G	802.11a	Rear Face	1.0	52	ANT5+6	2	Full	99.34	19.00	18.30	0.12	0.155	1.007	1.175	0.18
	WLAN5G	802.11a	Front Face	1.0	140	ANT5	1	Full	99.34	16.00	15.15	0.10	0.146	1.007	1.216	0.18
	WLAN5G	802.11a	Rear Face	1.0	140	ANT5	1	Full	99.34	16.00	15.15	-0.16	0.128	1.007	1.216	0.16
	WLAN5G	802.11a	Front Face	1.0	100	ANT5	1	Full	99.34	16.00	14.91	-0.18	0.165	1.007	1.285	0.21
P56	WLAN5G	802.11a	Front Face	1.0	116	ANT5	1	Full	99.34	16.00	14.94	0.09	0.182	1.007	1.277	0.23
	WLAN5G	802.11a	Front Face	1.0	124	ANT5	1	Full	99.34	16.00	15.02	-0.12	0.150	1.007	1.253	0.19
	WLAN5G	802.11a	Front Face	1.0	116	ANT5	2	Full	99.34	16.00	14.94	-0.07	0.108	1.007	1.277	0.14
	WLAN5G	802.11a	Front Face	1.0	140	ANT6	1	Full	99.34	17.00	15.56	0.14	0.066	1.007	1.393	0.09
	WLAN5G	802.11a	Rear Face	1.0	140	ANT6	1	Full	99.34	17.00	15.56	-0.08	0.106	1.007	1.393	0.15
	WLAN5G	802.11a	Rear Face	1.0	100	ANT6	1	Full	99.34	16.00	15.26	-0.05	0.097	1.007	1.185	0.12
	WLAN5G	802.11a	Rear Face	1.0	116	ANT6	1	Full	99.34	16.00	14.79	-0.01	0.101	1.007	1.322	0.13
	WLAN5G	802.11a	Rear Face	1.0	124	ANT6	1	Full	99.34	16.00	15.13	0.17	0.128	1.007	1.222	0.16
	WLAN5G	802.11a	Rear Face	1.0	124	ANT6	2	Full	99.34	16.00	15.13	0.19	0.114	1.007	1.222	0.14
	WLAN5G	802.11a	Front Face	1.0	140	ANT5+6	1	Full	99.34	20.00	18.54	-0.14	0.110	1.007	1.400	0.15
	WLAN5G	802.11a	Rear Face	1.0	140	ANT5+6	1	Full	99.34	20.00	18.54	-0.17	0.124	1.007	1.400	0.17
	WLAN5G	802.11a	Rear Face	1.0	100	ANT5+6	1	Full	99.34	19.00	18.33	0.08	0.106	1.007	1.167	0.12
	WLAN5G	802.11a	Rear Face	1.0	116	ANT5+6	1	Full	99.34	19.00	18.05	0.16	0.098	1.007	1.245	0.12
	WLAN5G	802.11a	Rear Face	1.0	124	ANT5+6	1	Full	99.34	19.00	18.21	0.09	0.121	1.007	1.199	0.15
	WLAN5G	802.11a	Rear Face	1.0	140	ANT5+6	2	Full	99.34	20.00	18.54	-0.01	0.109	1.007	1.400	0.15
	WLAN5G	802.11a	Front Face	1.0	157	ANT5	1	Full	99.48	16.00	15.08	0.11	0.091	1.005	1.236	0.11
	WLAN5G	802.11a	Rear Face	1.0	157	ANT5	1	Full	99.48	16.00	15.08	0.16	0.058	1.005	1.236	0.07
	WLAN5G	802.11a	Front Face	1.0	149	ANT5	1	Full	99.48	15.00	14.41	0.15	0.104	1.005	1.147	0.12
	WLAN5G	802.11a	Front Face	1.0	165	ANT5	1	Full	99.48	16.00	14.53	-0.04	0.092	1.005	1.403	0.13
	WLAN5G	802.11a	Front Face	1.0	165	ANT5	2	Full	99.48	16.00	14.53	0.10	0.087	1.005	1.403	0.12
	WLAN5G	802.11a	Front Face	1.0	157	ANT6	1	Full	99.48	16.00	14.93	-0.02	0.089	1.005	1.279	0.11
	WLAN5G	802.11a	Rear Face	1.0	157	ANT6	1	Full	99.48	16.00	14.93	0.19	0.092	1.005	1.279	0.12
	WLAN5G	802.11a	Rear Face	1.0	149	ANT6	1	Full	99.48	15.00	14.16	0.19	0.085	1.005	1.213	0.10
	WLAN5G	802.11a	Rear Face	1.0	165	ANT6	1	Full	99.48	16.00	14.75	-0.19	0.087	1.005	1.334	0.12
	WLAN5G	802.11a	Rear Face	1.0	157	ANT6	2	Full	99.48	16.00	14.93	0.16	0.078	1.005	1.279	0.10
	WLAN5G	802.11a	Front Face	1.0	157	ANT5+6	1	Full	99.48	19.00	18.13	0.03	0.103	1.005	1.222	0.13
	WLAN5G	802.11a	Rear Face	1.0	157	ANT5+6	1	Full	99.48	19.00	18.13	-0.12	0.096	1.005	1.222	0.12
	WLAN5G	802.11a	Front Face	1.0	149	ANT5+6	1	Full	99.48	18.00	17.45	-0.05	0.120	1.005	1.134	0.14
P57	WLAN5G	802.11a	Front Face	1.0	165	ANT5+6	1	Full	99.48	19.00	17.77	0.01	0.126	1.005	1.328	0.17
	WLAN5G	802.11a	Front Face	1.0	165	ANT5+6	2	Full	99.48	19.00	17.77	0.07	0.114	1.005	1.328	0.15
P58	BT	GFSK	Front Face	1.0	78	ANT5	1	Full	45.97	11.00	10.47	0.05	0.039	2.175	1.130	0.10
	BT	GFSK	Rear Face	1.0	78	ANT5	1	Full	45.97	11.00	10.47	-0.04	0.000	2.175	1.130	0.00
	BT	GFSK	Front Face	1.0	0	ANT5	1	Full	45.97	11.00	10.41	0.10	0.000	2.175	1.145	0.00
	BT	GFSK	Front Face	1.0	39	ANT5	1	Full	45.97	11.00	10.13	0.07	0.032	2.175	1.222	0.09
	BT	GFSK	Front Face	1.0	78	ANT5	2	Full	45.97	11.00	10.47	0.06	0.021	2.175	1.130	0.05

< Hotspot Exposure Condition >

<GSM/WCDMA>

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	Ant	Sample	Power Reduction	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Tune-up Scaling Factor	Scaled 1g SAR
	GSM850	GPRS 2Tx Slot	Front Face	1.0	128	ANT0	1	Full	30.70	30.29	-0.19	0.083	1.099	0.09
	GSM850	GPRS 2Tx Slot	Rear Face	1.0	128	ANT0	1	Full	30.70	30.29	0.18	0.242	1.099	0.27
	GSM850	GPRS 2Tx Slot	Left Side	1.0	128	ANT0	1	Full	30.70	30.29	-0.07	0.061	1.099	0.07
	GSM850	GPRS 2Tx Slot	Right Side	1.0	128	ANT0	1	Full	30.70	30.29	0.08	0.135	1.099	0.15
	GSM850	GPRS 2Tx Slot	Bottom Side	1.0	128	ANT0	1	Full	30.70	30.29	-0.01	0.245	1.099	0.27
P59	GSM850	GPRS 2Tx Slot	Rear Face	1.0	189	ANT0	1	Full	30.70	30.27	-0.13	0.269	1.104	0.30
	GSM850	GPRS 2Tx Slot	Rear Face	1.0	251	ANT0	1	Full	30.70	30.18	-0.14	0.258	1.127	0.29
	GSM850	GPRS 2Tx Slot	Rear Face	1.0	189	ANT0	2	Full	30.70	30.27	-0.13	0.246	1.104	0.27
	GSM1900	GPRS 4Tx Slot	Front Face	1.0	661	ANT0	1	Full	24.70	24.34	-0.17	0.209	1.086	0.23
	GSM1900	GPRS 4Tx Slot	Rear Face	1.0	661	ANT0	1	Full	24.70	24.34	-0.05	0.251	1.086	0.27
	GSM1900	GPRS 4Tx Slot	Left Side	1.0	661	ANT0	1	Full	24.70	24.34	0.19	0.239	1.086	0.26
	GSM1900	GPRS 4Tx Slot	Right Side	1.0	661	ANT0	1	Full	24.70	24.34	0.13	0.053	1.086	0.06
	GSM1900	GPRS 4Tx Slot	Bottom Side	1.0	661	ANT0	1	Full	24.70	24.34	0.03	0.193	1.086	0.21
P60	GSM1900	GPRS 4Tx Slot	Rear Face	1.0	512	ANT0	1	Full	24.70	24.27	0.07	0.275	1.104	0.30
	GSM1900	GPRS 4Tx Slot	Rear Face	1.0	810	ANT0	1	Full	24.70	24.32	-0.06	0.250	1.091	0.27
	GSM1900	GPRS 4Tx Slot	Rear Face	1.0	512	ANT0	2	Full	24.70	24.27	0.19	0.258	1.104	0.28
	WCDMA II	RMC12.2K	Front Face	1.0	9400	ANT0	1	Full	23.7	23.04	0.06	0.000	1.164	0.00
	WCDMA II	RMC12.2K	Rear Face	1.0	9400	ANT0	1	Full	23.7	23.04	0.09	0.410	1.164	0.48
	WCDMA II	RMC12.2K	Left Side	1.0	9400	ANT0	1	Full	23.7	23.04	0.06	0.343	1.164	0.40
	WCDMA II	RMC12.2K	Right Side	1.0	9400	ANT0	1	Full	23.7	23.04	0.18	0.067	1.164	0.08
	WCDMA II	RMC12.2K	Bottom Side	1.0	9400	ANT0	1	Full	23.7	23.04	0.00	0.279	1.164	0.32
	WCDMA II	RMC12.2K	Rear Face	1.0	9262	ANT0	1	Full	23.7	22.98	-0.19	0.298	1.180	0.35
P61	WCDMA II	RMC12.2K	Rear Face	1.0	9538	ANT0	1	Full	23.7	22.95	-0.05	0.496	1.189	0.59
	WCDMA II	RMC12.2K	Rear Face	1.0	9538	ANT0	2	Full	23.7	22.95	0.07	0.412	1.189	0.49
	WCDMA IV	RMC12.2K	Front Face	1.0	1312	ANT0	1	Full	23.7	23.05	0.08	0.000	1.161	0.00
	WCDMA IV	RMC12.2K	Rear Face	1.0	1312	ANT0	1	Full	23.7	23.05	-0.01	0.394	1.161	0.46
	WCDMA IV	RMC12.2K	Left Side	1.0	1312	ANT0	1	Full	23.7	23.05	0.12	0.129	1.161	0.15
	WCDMA IV	RMC12.2K	Right Side	1.0	1312	ANT0	1	Full	23.7	23.05	-0.01	0.119	1.161	0.14
	WCDMA IV	RMC12.2K	Bottom Side	1.0	1312	ANT0	1	Full	23.7	23.05	0.04	0.198	1.161	0.23
	WCDMA IV	RMC12.2K	Rear Face	1.0	1413	ANT0	1	Full	23.7	23.02	-0.04	0.387	1.169	0.45
P62	WCDMA IV	RMC12.2K	Rear Face	1.0	1513	ANT0	1	Full	23.7	23.03	-0.05	0.452	1.167	0.53
	WCDMA IV	RMC12.2K	Rear Face	1.0	1513	ANT0	2	Full	23.7	23.03	-0.09	0.340	1.167	0.40
	WCDMA V	RMC12.2K	Front Face	1.0	4233	ANT0	1	Full	23.7	23.21	0.13	0.000	1.119	0.00
P63	WCDMA V	RMC12.2K	Rear Face	1.0	4233	ANT0	1	Full	23.7	23.21	0.06	0.354	1.119	0.40
	WCDMA V	RMC12.2K	Left Side	1.0	4233	ANT0	1	Full	23.7	23.21	0.02	0.044	1.119	0.05
	WCDMA V	RMC12.2K	Right Side	1.0	4233	ANT0	1	Full	23.7	23.21	-0.07	0.070	1.119	0.08
	WCDMA V	RMC12.2K	Bottom Side	1.0	4233	ANT0	1	Full	23.7	23.21	0.04	0.216	1.119	0.24
	WCDMA V	RMC12.2K	Rear Face	1.0	4132	ANT0	1	Full	23.7	23.12	0.17	0.311	1.143	0.36
	WCDMA V	RMC12.2K	Rear Face	1.0	4182	ANT0	1	Full	23.7	23.13	0.12	0.324	1.140	0.37
	WCDMA V	RMC12.2K	Rear Face	1.0	4233	ANT0	2	Full	23.7	23.21	-0.14	0.298	1.119	0.33

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	Ant	Sample	Power Reduction	Duty Cycle	Maximum Turn-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 10g	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled 10g SAR
	WLAN5G	802.11a	Front Face	0	52	ANT5	1	Full	99.34	17.00	15.50	-0.19	0.279	1.007	1.413	0.40
	WLAN5G	802.11a	Rear Face	0	52	ANT5	1	Full	99.34	17.00	15.50	-0.02	0.157	1.007	1.413	0.22
	WLAN5G	802.11a	Left Side	0	52	ANT5	1	Full	99.34	17.00	15.50	0.15	0.307	1.007	1.413	0.44
	WLAN5G	802.11a	Left Side	0	56	ANT5	1	Full	99.34	16.00	15.22	0.15	0.361	1.007	1.197	0.43
	WLAN5G	802.11a	Left Side	0	60	ANT5	1	Full	99.34	16.00	15.21	0.20	0.338	1.007	1.199	0.41
	WLAN5G	802.11a	Left Side	0	64	ANT5	1	Full	99.34	16.00	15.03	0.09	0.356	1.007	1.250	0.45
	WLAN5G	802.11a	Left Side	0	64	ANT5	2	Full	99.34	16.00	15.03	-0.18	0.348	1.007	1.250	0.44
	WLAN5G	802.11a	Front Face	0	64	ANT6	1	Full	99.34	16.00	15.00	0.07	0.129	1.007	1.259	0.16
	WLAN5G	802.11a	Rear Face	0	64	ANT6	1	Full	99.34	16.00	15.00	-0.03	0.156	1.007	1.259	0.20
	WLAN5G	802.11a	Left Side	0	64	ANT6	1	Full	99.34	16.00	15.00	-0.18	0.028	1.007	1.259	0.04
	WLAN5G	802.11a	Right Side	0	64	ANT6	1	Full	99.34	16.00	15.00	-0.12	0.025	1.007	1.259	0.03
	WLAN5G	802.11a	Top Side	0	64	ANT6	1	Full	99.34	16.00	15.00	-0.11	0.260	1.007	1.259	0.33
	WLAN5G	802.11a	Top Side	0	52	ANT6	1	Full	99.34	15.00	14.50	-0.13	0.317	1.007	1.123	0.36
P92	WLAN5G	802.11a	Top Side	0	56	ANT6	1	Full	99.34	16.00	14.51	0.06	0.336	1.007	1.409	0.48
	WLAN5G	802.11a	Top Side	0	60	ANT6	1	Full	99.34	16.00	14.67	0.03	0.308	1.007	1.358	0.42
	WLAN5G	802.11a	Top Side	0	56	ANT6	2	Full	99.34	16.00	14.51	-0.07	0.315	1.007	1.409	0.45
	WLAN5G	802.11a	Front Face	0	52	ANT5+6	1	Full	99.34	19.00	18.30	0.01	0.261	1.007	1.175	0.31
	WLAN5G	802.11a	Rear Face	0	52	ANT5+6	1	Full	99.34	19.00	18.30	-0.18	0.177	1.007	1.175	0.21
	WLAN5G	802.11a	Left Side	0	52	ANT5+6	1	Full	99.34	19.00	18.30	0.03	0.341	1.007	1.175	0.40
	WLAN5G	802.11a	Right Side	0	52	ANT5+6	1	Full	99.34	19.00	18.30	0.05	0.038	1.007	1.175	0.04
	WLAN5G	802.11a	Top Side	0	52	ANT5+6	1	Full	99.34	19.00	18.30	0.13	0.335	1.007	1.175	0.40
	WLAN5G	802.11a	Left Side	0	56	ANT5+6	1	Full	99.34	19.00	18.24	0.09	0.337	1.007	1.191	0.40
	WLAN5G	802.11a	Left Side	0	60	ANT5+6	1	Full	99.34	19.00	18.19	-0.19	0.338	1.007	1.205	0.41
	WLAN5G	802.11a	Left Side	0	64	ANT5+6	1	Full	99.34	19.00	18.22	-0.07	0.345	1.007	1.197	0.42
	WLAN5G	802.11a	Left Side	0	64	ANT5+6	2	Full	99.34	19.00	18.22	0.05	0.317	1.007	1.197	0.38
	WLAN5G	802.11a	Front Face	0	140	ANT5	1	Full	99.34	16.00	15.15	-0.14	0.218	1.007	1.216	0.27
	WLAN5G	802.11a	Rear Face	0	140	ANT5	1	Full	99.34	16.00	15.15	-0.18	0.072	1.007	1.216	0.09
P93	WLAN5G	802.11a	Left Side	0	140	ANT5	1	Full	99.34	16.00	15.15	0.14	0.407	1.007	1.216	0.50
	WLAN5G	802.11a	Left Side	0	100	ANT5	1	Full	99.34	16.00	14.91	0.06	0.362	1.007	1.285	0.47
	WLAN5G	802.11a	Left Side	0	116	ANT5	1	Full	99.34	16.00	14.94	-0.16	0.374	1.007	1.277	0.48
	WLAN5G	802.11a	Left Side	0	124	ANT5	1	Full	99.34	16.00	15.02	-0.19	0.367	1.007	1.253	0.46
	WLAN5G	802.11a	Left Side	0	140	ANT5	2	Full	99.34	16.00	15.15	0.18	0.347	1.007	1.216	0.42
	WLAN5G	802.11a	Front Face	0	140	ANT6	1	Full	99.34	17.00	15.56	0.09	0.108	1.007	1.393	0.15
	WLAN5G	802.11a	Rear Face	0	140	ANT6	1	Full	99.34	17.00	15.56	0.10	0.093	1.007	1.393	0.13
	WLAN5G	802.11a	Left Side	0	140	ANT6	1	Full	99.34	17.00	15.56	-0.13	0.048	1.007	1.393	0.07
	WLAN5G	802.11a	Right Side	0	140	ANT6	1	Full	99.34	17.00	15.56	0.03	0.027	1.007	1.393	0.04
	WLAN5G	802.11a	Top Side	0	140	ANT6	1	Full	99.34	17.00	15.56	0.17	0.278	1.007	1.393	0.39
	WLAN5G	802.11a	Top Side	0	100	ANT6	1	Full	99.34	16.00	15.26	0.02	0.229	1.007	1.185	0.27
	WLAN5G	802.11a	Top Side	0	116	ANT6	1	Full	99.34	16.00	14.79	-0.14	0.202	1.007	1.322	0.27
	WLAN5G	802.11a	Top Side	0	124	ANT6	1	Full	99.34	16.00	15.13	-0.04	0.245	1.007	1.222	0.30
	WLAN5G	802.11a	Top Side	0	140	ANT6	2	Full	99.34	17.00	15.56	-0.02	0.218	1.007	1.393	0.31
	WLAN5G	802.11a	Front Face	0	140	ANT5+6	1	Full	99.34	20.00	18.54	-0.09	0.202	1.007	1.400	0.28
	WLAN5G	802.11a	Rear Face	0	140	ANT5+6	1	Full	99.34	20.00	18.54	-0.17	0.095	1.007	1.400	0.13
	WLAN5G	802.11a	Left Side	0	140	ANT5+6	1	Full	99.34	20.00	18.54	-0.06	0.302	1.007	1.400	0.43
	WLAN5G	802.11a	Right Side	0	140	ANT5+6	1	Full	99.34	20.00	18.54	-0.01	0.034	1.007	1.400	0.05
	WLAN5G	802.11a	Top Side	0	140	ANT5+6	1	Full	99.34	20.00	18.54	-0.20	0.321	1.007	1.400	0.45
	WLAN5G	802.11a	Left Side	0	100	ANT5+6	1	Full	99.34	19.00	18.33	-0.19	0.411	1.007	1.167	0.48
	WLAN5G	802.11a	Left Side	0	116	ANT5+6	1	Full	99.34	19.00	18.05	-0.11	0.350	1.007	1.245	0.44
	WLAN5G	802.11a	Left Side	0	124	ANT5+6	1	Full	99.34	19.00	18.21	0.12	0.368	1.007	1.199	0.44
	WLAN5G	802.11a	Left Side	0	100	ANT5+6	2	Full	99.34	19.00	18.33	-0.10	0.389	1.007	1.167	0.46

Appendix F. Simultaneous Multi-band Transmission Evaluation

The simultaneous transmission evaluation and analysis is shown as below.

< Body Worn Exposure Condition >

	Exposure Position	1	2	3	4	5	6	7	8	1+2+6 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+5+8 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2 4G ANT5 1g SAR (W/kg)	WLAN2 4G ANT6 1g SAR (W/kg)	WLAN2 4G 1g SAR (W/kg)	WLAN5G ANT5 1g SAR (W/kg)	WLAN5G Ant6 1g SAR (W/kg)	WLAN5G 1g SAR (W/kg)	BT 1g SAR (W/kg)				
GSM850	Front at 10mm -	0.09	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.27	0.18	0.48	0.37
	Back at 10mm -	0.30	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.70	0.74	0.80	0.54
GSM1900	Front at 10mm -	0.23	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.41	0.31	0.62	0.51
	Back at 10mm -	0.30	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.70	0.74	0.81	0.55
WCDMA II	Front at 10mm -	0.06	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.18	0.09	0.39	0.28
	Back at 10mm -	0.59	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.99	1.03	1.09	0.83
WCDMA IV	Front at 10mm -	0.06	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.18	0.09	0.39	0.28
	Back at 10mm -	0.53	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.93	0.97	1.03	0.77
WCDMA V	Front at 10mm -	0.06	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.18	0.09	0.39	0.28
	Back at 10mm -	0.40	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.80	0.84	0.90	0.64
LTE Band 2	Front at 10mm -	0.30	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.49	0.39	0.69	0.58
	Back at 10mm -	0.32	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.72	0.76	0.82	0.56
LTE Band 5	Front at 10mm -	0.10	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.28	0.18	0.49	0.37
	Back at 10mm -	0.43	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.83	0.87	0.93	0.67
LTE Band 7	Front at 10mm -	0.21	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.39	0.29	0.60	0.49
	Back at 10mm -	0.50	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.90	0.94	1.00	0.74
LTE Band 12/17	Front at 10mm -	0.10	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.28	0.19	0.49	0.38
	Back at 10mm -	0.17	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.57	0.61	0.67	0.41
LTE Band 13	Front at 10mm -	0.10	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.28	0.18	0.49	0.37
	Back at 10mm -	0.19	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.59	0.63	0.69	0.44
LTE Band 41/38	Front at 10mm -	0.18	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.37	0.27	0.57	0.46
	Back at 10mm -	0.55	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.95	0.99	1.06	0.80
LTE Band 48	Front at 10mm -	0.20	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.38	0.29	0.59	0.48
	Back at 10mm -	0.38	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.78	0.82	0.89	0.63
LTE Band 66/4	Front at 10mm -	0.23	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.42	0.32	0.62	0.51
	Back at 10mm -	0.30	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.70	0.74	0.80	0.55
LTE Band 71	Front at 10mm -	0.09	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.27	0.17	0.48	0.36
	Back at 10mm -	0.15	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.55	0.59	0.65	0.39
NR N5	Front at 10mm -	0.09	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.27	0.17	0.48	0.37
	Back at 10mm -	0.37	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.77	0.81	0.87	0.62
NR N7	Front at 10mm -	0.26	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.45	0.35	0.65	0.54
	Back at 10mm -	0.60	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.00	1.04	1.11	0.85
NR N25/2	Front at 10mm -	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.48	0.38	0.68	0.57
	Back at 10mm -	0.36	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.76	0.80	0.87	0.61
NR N38	Front at 10mm -	0.28	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.47	0.37	0.67	0.56
	Back at 10mm -	0.67	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.07	1.11	1.18	0.92
NR N41	Front at 10mm -	0.41	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.60	0.50	0.80	0.69
	Back at 10mm -	0.64	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.04	1.08	1.14	0.89
NR N48	Front at 10mm -	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.47	0.38	0.68	0.57
	Back at 10mm -	0.35	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.76	0.79	0.86	0.60
NR N66	Front at 10mm -	0.22	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.40	0.31	0.61	0.50
	Back at 10mm -	0.44	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.84	0.88	0.94	0.68
NR N71	Front at 10mm -	0.09	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.27	0.17	0.48	0.37
	Back at 10mm -	0.17	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.57	0.61	0.67	0.42
NR N77	Front at 10mm -	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.47	0.38	0.68	0.57
	Back at 10mm -	0.60	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.00	1.04	1.10	0.84
NR N78	Front at 10mm -	0.22	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.40	0.30	0.61	0.50
	Back at 10mm -	0.67	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.07	1.11	1.17	0.91

< Hotspot Exposure Condition >

	Exposure Position	1	2	3	4	5	6	7	8	1+2+6 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+3+5+8 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2.4G ANT5 1g SAR (W/kg)	WLAN2.4G ANT6 1g SAR (W/kg)	WLAN2.4G 1g SAR (W/kg)	WLAN5G ANT5 1g SAR (W/kg)	WLAN5G ANT6 1g SAR (W/kg)	WLAN5G 1g SAR (W/kg)	BT 1g SAR (W/kg)				
GSM850	Front at 10mm -	0.09	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.33	0.18	0.42	0.38
	Back at 10mm -	0.30	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.69	0.74	0.76	0.50
	Left side at 10mm -	0.07	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.51	0.15	0.52	0.59
	Right side at 10mm -	0.15		0.05	0.00		0.14	0.08		0.29	0.15	0.19	0.23
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.27								0.27	0.27	0.27	0.27
GSM1900	Front at 10mm -	0.23	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.46	0.31	0.55	0.52
	Back at 10mm -	0.30	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.69	0.74	0.77	0.51
	Left side at 10mm -	0.26	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.70	0.34	0.71	0.78
	Right side at 10mm -	0.06		0.05	0.00		0.14	0.08		0.20	0.06	0.10	0.14
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.21								0.21	0.21	0.21	0.21
WCDMA II	Front at 10mm -	0.00	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.23	0.09	0.33	0.29
	Back at 10mm -	0.59	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.98	1.03	1.05	0.79
	Left side at 10mm -	0.40	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.84	0.48	0.85	0.92
	Right side at 10mm -	0.08		0.05	0.00		0.14	0.08		0.22	0.08	0.12	0.16
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.32								0.32	0.32	0.32	0.32
WCDMA IV	Front at 10mm -	0.00	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.23	0.09	0.33	0.29
	Back at 10mm -	0.53	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.92	0.97	0.99	0.73
	Left side at 10mm -	0.15	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.60	0.23	0.60	0.67
	Right side at 10mm -	0.14		0.05	0.00		0.14	0.08		0.28	0.14	0.18	0.22
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.23								0.23	0.23	0.23	0.23
WCDMA V	Front at 10mm -	0.00	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.23	0.09	0.33	0.29
	Back at 10mm -	0.40	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.79	0.84	0.86	0.60
	Left side at 10mm -	0.05	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.50	0.13	0.51	0.57
	Right side at 10mm -	0.08		0.05	0.00		0.14	0.08		0.23	0.08	0.13	0.16
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.24								0.24	0.24	0.24	0.24
LTE Band 2	Front at 10mm -	0.30	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.54	0.39	0.63	0.59
	Back at 10mm -	0.32	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.71	0.76	0.78	0.52
	Left side at 10mm -	0.31	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.75	0.39	0.76	0.83
	Right side at 10mm -	0.08		0.05	0.00		0.14	0.08		0.22	0.08	0.12	0.16
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.18								0.18	0.18	0.18	0.18
LTE Band 5	Front at 10mm -	0.10	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.33	0.18	0.42	0.39
	Back at 10mm -	0.43	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.82	0.87	0.89	0.63
	Left side at 10mm -	0.00	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.45	0.08	0.45	0.52
	Right side at 10mm -	0.09		0.05	0.00		0.14	0.08		0.24	0.09	0.14	0.17
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.23								0.23	0.23	0.23	0.23
LTE Band 7	Front at 10mm -	0.21	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.44	0.29	0.54	0.50
	Back at 10mm -	0.50	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.89	0.94	0.96	0.70
	Left side at 10mm -	0.32	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.76	0.40	0.77	0.84
	Right side at 10mm -	0.14		0.05	0.00		0.14	0.08		0.29	0.14	0.19	0.22
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.48								0.48	0.48	0.48	0.48
LTE Band 12/17	Front at 10mm -	0.10	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.33	0.19	0.43	0.39
	Back at 10mm -	0.17	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.56	0.61	0.63	0.37
	Left side at 10mm -	0.10	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.54	0.18	0.55	0.62
	Right side at 10mm -	0.15		0.05	0.00		0.14	0.08		0.29	0.15	0.20	0.23
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.12								0.12	0.12	0.12	0.12
LTE Band 13	Front at 10mm -	0.10	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.33	0.18	0.42	0.39
	Back at 10mm -	0.19	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.58	0.63	0.65	0.39
	Left side at 10mm -	0.08	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.52	0.16	0.53	0.60
	Right side at 10mm -	0.12		0.05	0.00		0.14	0.08		0.26	0.12	0.17	0.20
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.15								0.15	0.15	0.15	0.15
LTE Band 41/38	Front at 10mm -	0.18	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.42	0.27	0.51	0.47
	Back at 10mm -	0.55	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.94	0.99	1.01	0.76
	Left side at 10mm -	0.15	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.59	0.23	0.60	0.67
	Right side at 10mm -	0.11		0.05	0.00		0.14	0.08		0.25	0.11	0.15	0.19
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.53								0.53	0.53	0.53	0.53
LTE Band 48	Front at 10mm -	0.20	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.44	0.29	0.53	0.49
	Back at 10mm -	0.30	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.69	0.74	0.76	0.50
	Left side at 10mm -	0.44	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.88	0.52	0.89	0.96
	Right side at 10mm -			0.05	0.00		0.14	0.08		0.14	0.00	0.05	0.08
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -									0.00	0.00	0.00	0.00
LTE Band 66/4	Front at 10mm -	0.23	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.47	0.32	0.56	0.52
	Back at 10mm -	0.30	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.69	0.74	0.76	0.50
	Left side at 10mm -	0.19	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.63	0.27	0.64	0.71
	Right side at 10mm -	0.12		0.05	0.00		0.14	0.08		0.27	0.12	0.17	0.20
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.25								0.25	0.25	0.25	0.25
LTE Band 71	Front at 10mm -	0.09	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.32	0.17	0.41	0.38
	Back at 10mm -	0.15	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.54	0.59	0.61	0.35
	Left side at 10mm -	0.08	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.53	0.16	0.54	0.60
	Right side at 10mm -	0.14		0.05	0.00		0.14	0.08		0.28	0.14	0.18	0.22
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.07								0.07	0.07	0.07	0.07

NR N5	Front at 10mm -	0.09	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.32	0.17	0.41	0.38
	Back at 10mm -	0.37	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.76	0.81	0.83	0.57
	Left side at 10mm -	0.06	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.51	0.14	0.52	0.58
	Right side at 10mm -	0.11		0.05	0.00		0.14	0.08		0.25	0.11	0.16	0.19
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.22								0.22	0.22	0.22	0.22
NR N7	Front at 10mm -	0.26	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.50	0.35	0.59	0.55
	Back at 10mm -	0.60	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.99	1.04	1.07	0.81
	Left side at 10mm -	0.31	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.75	0.39	0.76	0.83
	Right side at 10mm -	0.15		0.05	0.00		0.14	0.08		0.29	0.15	0.19	0.23
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.56								0.56	0.56	0.56	0.56
NR N25/2	Front at 10mm -	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.53	0.38	0.62	0.58
	Back at 10mm -	0.36	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.75	0.80	0.82	0.57
	Left side at 10mm -	0.33	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.77	0.41	0.78	0.85
	Right side at 10mm -	0.12		0.05	0.00		0.14	0.08		0.26	0.12	0.16	0.19
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.22								0.22	0.22	0.22	0.22
NR N38	Front at 10mm -	0.28	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.52	0.37	0.61	0.57
	Back at 10mm -	0.67	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.06	1.11	1.13	0.88
	Left side at 10mm -		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.45	0.08	0.45	0.52
	Right side at 10mm -	0.50		0.05	0.00		0.14	0.08		0.64	0.50	0.55	0.58
	Top side at 10mm -	0.26		0.12	0.32		0.31	0.25		0.58	0.59	0.38	0.51
	Bottom side at 10mm -									0.00	0.00	0.00	0.00
NR N41	Front at 10mm -	0.41	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.65	0.50	0.74	0.70
	Back at 10mm -	0.64	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.03	1.08	1.10	0.84
	Left side at 10mm -		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.45	0.08	0.45	0.52
	Right side at 10mm -	1.29		0.05	0.00		0.14	0.08		1.44	1.29	1.34	1.37
	Top side at 10mm -	0.32		0.12	0.32		0.31	0.25		0.63	0.64	0.44	0.57
	Bottom side at 10mm -	0.19								0.19	0.19	0.19	0.19
NR N48	Front at 10mm -	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.52	0.37	0.61	0.58
	Back at 10mm -	0.35	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.74	0.79	0.82	0.56
	Left side at 10mm -	0.57	0.33	0.05	0.08	0.28	0.11	0.40	0.12	1.01	0.65	1.02	1.09
	Right side at 10mm -			0.05	0.00		0.14	0.08		0.14	0.00	0.05	0.08
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -									0.00	0.00	0.00	0.00
NR N66	Front at 10mm -	0.22	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.46	0.31	0.55	0.51
	Back at 10mm -	0.42	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.81	0.86	0.88	0.62
	Left side at 10mm -	0.18	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.62	0.26	0.63	0.70
	Right side at 10mm -	0.12		0.05	0.00		0.14	0.08		0.26	0.12	0.16	0.19
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.46								0.46	0.46	0.46	0.46
NR N71	Front at 10mm -	0.09	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.32	0.18	0.42	0.38
	Back at 10mm -	0.17	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.56	0.61	0.63	0.37
	Left side at 10mm -	0.09	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.54	0.17	0.55	0.61
	Right side at 10mm -	0.15		0.05	0.00		0.14	0.08		0.29	0.15	0.19	0.23
	Top side at 10mm -			0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
	Bottom side at 10mm -	0.08								0.08	0.08	0.08	0.08
NR N77	Front at 10mm -	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.52	0.38	0.62	0.58
	Back at 10mm -	0.60	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.99	1.04	1.06	0.80
	Left side at 10mm -	0.65	0.33	0.05	0.08	0.28	0.11	0.40	0.12	1.10	0.73	1.10	1.17
	Right side at 10mm -			0.05	0.00		0.14	0.08		0.14	0.00	0.05	0.08
	Top side at 10mm -	0.32		0.12	0.32		0.31	0.25		0.64	0.65	0.44	0.57
	Bottom side at 10mm -									0.00	0.00	0.00	0.00
NR N78	Front at 10mm -	0.22	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.45	0.30	0.54	0.51
	Back at 10mm -	0.67	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.06	1.11	1.13	0.87
	Left side at 10mm -	0.80	0.33	0.05	0.08	0.28	0.11	0.40	0.12	1.25	0.88	1.26	1.32
	Right side at 10mm -			0.05	0.00		0.14	0.08		0.14	0.00	0.05	0.08
	Top side at 10mm -	0.28		0.12	0.32		0.31	0.25		0.59	0.60	0.40	0.53
	Bottom side at 10mm -									0.00	0.00	0.00	0.00

<Extremity Exposure Condition >

	Exposure Position	1	2	3	4	5	6	7	8	1+2+6	1+4	1+3+5+8	1+7+8
		WWAN 10g SAR (W/kg)	WLAN2 4G ANT5 10g SAR (W/kg)	WLAN2 4G ANT6 10g SAR (W/kg)	WLAN2 4G 10g SAR (W/kg)	WLAN5G ANT5 10g SAR (W/kg)	WLAN5G Ant6 10g SAR (W/kg)	WLAN5G 10g SAR (W/kg)	BT 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
NR N38	Front at 10mm -					0.40	0.16	0.31		0.16	0.00	0.40	0.31
	Back at 10mm -	1.08				0.22	0.20	0.21		1.28	1.08	1.30	1.29
	Left side at 10mm -					0.50	0.07	0.48		0.57	0.00	0.50	0.48
	Right side at 10mm -						0.04	0.05		0.04	0.00	0.00	0.05
	Top side at 10mm -						0.48	0.45		0.48	0.00	0.00	0.45
	Bottom side at 10mm -									0.00	0.00	0.00	0.00
NR N41	Front at 10mm -					0.40	0.16	0.31		0.16	0.00	0.40	0.31
	Back at 10mm -	0.30				0.22	0.20	0.21		0.50	0.30	0.82	0.51
	Left side at 10mm -					0.50	0.07	0.48		0.07	0.00	0.50	0.48
	Right side at 10mm -	1.89					0.04	0.05		2.02	1.89	1.89	2.03
	Top side at 10mm -						0.48	0.45		0.48	0.00	0.00	0.45
	Bottom side at 10mm -									0.00	0.00	0.00	0.00
NR N48	Front at 10mm -					0.40	0.16	0.31		0.16	0.00	0.40	0.31
	Back at 10mm -	0.35				0.22	0.20	0.21		0.55	0.35	0.57	0.56
	Left side at 10mm -	0.49				0.50	0.07	0.48		0.56	0.49	0.99	0.97
	Right side at 10mm -						0.04	0.05		0.04	0.00	0.00	0.05
	Top side at 10mm -						0.48	0.45		0.48	0.00	0.00	0.45
	Bottom side at 10mm -									0.00	0.00	0.00	0.00
NR N77	Front at 10mm -					0.40	0.16	0.31		0.16	0.00	0.40	0.31
	Back at 10mm -	1.68				0.22	0.20	0.21		1.87	1.68	1.90	1.89
	Left side at 10mm -	0.83				0.50	0.07	0.48		0.90	0.83	1.33	1.31
	Right side at 10mm -						0.04	0.05		0.04	0.00	0.00	0.05
	Top side at 10mm -						0.48	0.45		0.48	0.00	0.00	0.45
	Bottom side at 10mm -									0.00	0.00	0.00	0.00
NR N78	Front at 10mm -					0.40	0.16	0.31		0.16	0.00	0.40	0.31
	Back at 10mm -	1.62				0.22	0.20	0.21		1.81	1.62	1.94	1.83
	Left side at 10mm -	1.32				0.50	0.07	0.48		1.39	1.32	1.82	1.80
	Right side at 10mm -						0.04	0.05		0.04	0.00	0.00	0.05
	Top side at 10mm -						0.48	0.45		0.48	0.00	0.00	0.45
	Bottom side at 10mm -									0.00	0.00	0.00	0.00

< Head Exposure Condition >

WWAN Band	Exposure Position	2										3										4										5										6										7										8										9										BT										10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1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< Body Worn Exposure Condition >

WWAN Band		Exposure Position	1	2	3	4	5	6	7	8	9	1+2+3+7 Summed 1g SAR (W/kg)	1+2+8 Summed 1g SAR (W/kg)	1+2+4+6+8 Summed 1g SAR (W/kg)	1+2+4+7 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G ANT5	WLAN2.4G ANT6	WLAN2.4G	WLAN5G ANT5	WLAN5G ANT6	WLAN5G	BT				
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
NR Band n2	LTE Band 5 Ant0	Front at 10mm -	0.16	0.14	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.42	0.32	0.63	0.52
		Back at 10mm -	0.43	0.25	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.08	1.12	1.18	0.92
	LTE Band 12 Ant0	Front at 10mm -	0.10	0.14	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.42	0.32	0.63	0.52
		Back at 10mm -	0.19	0.25	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.84	0.88	0.95	0.69
	LTE Band 66 Ant0	Front at 10mm -	0.23	0.14	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.56	0.46	0.77	0.65
		Back at 10mm -	0.30	0.25	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.95	0.99	1.06	0.80
NR Band n2 Ant0	LTE Band 5 Ant2	Front at 10mm -	0.12	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.59	0.50	0.89	0.69
		Back at 10mm -	0.41	0.36	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.18	1.22	1.28	1.02
	LTE Band 2 Ant2	Front at 10mm -	0.26	0.09	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.53	0.44	0.74	0.63
		Back at 10mm -	0.27	0.37	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.04	1.08	1.14	0.89
	LTE Band 12 Ant2	Front at 10mm -	0.07	0.09	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.34	0.24	0.55	0.44
		Back at 10mm -	0.16	0.37	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.93	0.97	1.03	0.77
NR Band n5 Ant0	LTE Band 66 Ant2	Front at 10mm -	0.25	0.09	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.52	0.42	0.73	0.61
		Back at 10mm -	0.34	0.37	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.12	1.16	1.22	0.96
	LTE Band 12 Ant0	Front at 10mm -	0.10	0.14	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.42	0.33	0.63	0.52
		Back at 10mm -	0.17	0.25	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.82	0.86	0.92	0.66
	LTE Band 66 Ant0	Front at 10mm -	0.23	0.14	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.56	0.46	0.77	0.65
		Back at 10mm -	0.30	0.25	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.95	0.99	1.06	0.79
NR Band n5 Ant0	LTE Band 12 Ant2	Front at 10mm -	0.07	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.54	0.45	0.75	0.64
		Back at 10mm -	0.16	0.36	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.92	0.96	1.02	0.76
	LTE Band 48 Ant5	Front at 10mm -	0.20	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.68	0.58	0.88	0.77
		Back at 10mm -	0.38	0.36	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.15	1.19	1.25	0.99
	LTE Band 2 Ant1	Front at 10mm -	0.14	0.34	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.66	0.57	0.87	0.76
		Back at 10mm -	0.24	0.35	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.99	1.03	1.09	0.83
NR Band n41 Ant2	LTE Band 66 Ant1	Front at 10mm -	0.19	0.34	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.71	0.61	0.91	0.80
		Back at 10mm -	0.29	0.35	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.04	1.08	1.14	0.89
	LTE Band 66 Ant0	Front at 10mm -	0.23	0.34	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.75	0.66	0.96	0.85
		Back at 10mm -	0.30	0.35	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.05	1.09	1.16	0.90
	LTE Band 2 Ant0	Front at 10mm -	0.30	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.77	0.68	0.98	0.87
		Back at 10mm -	0.32	0.35	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.07	1.11	1.17	0.91
NR Band n48 Ant5	LTE Band 66 Ant0	Front at 10mm -	0.23	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.71	0.61	0.91	0.80
		Back at 10mm -	0.30	0.35	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.06	1.09	1.16	0.90
	LTE Band 2 Ant2	Front at 10mm -	0.26	0.22	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.67	0.57	0.87	0.76
		Back at 10mm -	0.27	0.44	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.11	1.15	1.21	0.95
	LTE Band 5 Ant2	Front at 10mm -	0.12	0.22	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.52	0.42	0.73	0.62
		Back at 10mm -	0.41	0.44	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.25	1.29	1.35	1.10
NR Band n66 Ant0	LTE Band 48 Ant5	Front at 10mm -	0.20	0.22	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.60	0.51	0.81	0.70
		Back at 10mm -	0.38	0.44	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.22	1.26	1.32	1.07
	LTE Band 5 Ant0	Front at 10mm -	0.10	0.26	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.54	0.44	0.74	0.63
		Back at 10mm -	0.43	0.45	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.28	1.31	1.38	1.12
	LTE Band 12 Ant0	Front at 10mm -	0.10	0.26	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.54	0.44	0.74	0.63
		Back at 10mm -	0.19	0.45	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.04	1.08	1.14	0.88
NR Band n71 Ant2	LTE Band 2 Ant0	Front at 10mm -	0.30	0.06	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.54	0.45	0.75	0.64
		Back at 10mm -	0.32	0.12	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.84	0.87	0.94	0.68
	LTE Band 66 Ant0	Front at 10mm -	0.23	0.06	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.47	0.38	0.68	0.57
		Back at 10mm -	0.30	0.12	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.82	0.86	0.92	0.66
	LTE Band 2 Ant2	Front at 10mm -	0.26	0.09	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.53	0.44	0.74	0.63
		Back at 10mm -	0.27	0.17	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.84	0.88	0.94	0.69
NR Band n71 Ant0	LTE Band 66 Ant2	Front at 10mm -	0.25	0.09	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.52	0.42	0.73	0.61
		Back at 10mm -	0.34	0.17	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.92	0.95	1.02	0.76
	LTE Band 2 Ant0	Front at 10mm -	0.30	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.77	0.68	0.98	0.87
		Back at 10mm -	0.32	0.37	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.08	1.12	1.19	0.93
	LTE Band 5 Ant0	Front at 10mm -	0.10	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.57	0.47	0.77	0.66
		Back at 10mm -	0.43	0.37	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.19	1.23	1.30	1.04
NR Band n77 Ant5	LTE Band 12 Ant0	Front at 10mm -	0.10	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.57	0.48	0.78	0.67
		Back at 10mm -	0.17	0.37	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.94	0.97	1.04	0.78
	LTE Band 12 Ant0	Front at 10mm -	0.10	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.57	0.47	0.77	0.66
		Back at 10mm -	0.19	0.37	0.20	0.35	0.44	0.16	0.21	0.24	0.00	0.96	1.00	1.06	0.80
	LTE Band 66 Ant0	Front at 10mm -	0.23	0.29	0.07	0.06	0.09	0.23	0.11	0.18	0.10	0.71	0.61	0.91	0.80
		Back at 10mm -	0.30	0.37	0.20	0.35	0.44	0.16	0.21	0.24	0.00	1.07	1.11	1.17	0.91

< Hotspot Exposure Condition >

WWAN Band		Exposure Position	1		2		3		4		5		6		7		8		9		1+2+3+7 Summed		1+2+8 Summed		1+2+4+6+8 Summed		1+2+4+7 Summed			
			LTE 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	NR 1g SAR (W/kg)	
NR Band n2 Ant2	LTE Band 5 Ant0	Front at 10mm -	0.16	0.14	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.47	0.32	0.66	0.63															
		Back at 10mm -	0.43	0.15	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.96	1.01	1.03	0.78															
		Left side at 10mm -	0.00		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.45	0.08	0.45	0.62															
		Right side at 10mm -	0.09	0.24		0.05	0.00		0.14	0.08		0.48	0.33	0.38	0.41															
		Top side at 10mm -		0.08		0.12	0.32		0.31	0.25		0.39	0.40	0.20	0.33															
		Bottom side at 10mm -	0.23									0.23	0.23	0.23	0.23															
	LTE Band 13 Ant0	Front at 10mm -	0.10	0.14	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.47	0.32	0.66	0.63															
		Back at 10mm -	0.19	0.15	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.73	0.78	0.80	0.64															
		Left side at 10mm -	0.08		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.62	0.16	0.63	0.60															
		Right side at 10mm -	0.12	0.24		0.05	0.00		0.14	0.08		0.50	0.36	0.40	0.44															
		Top side at 10mm -		0.08		0.12	0.32		0.31	0.25		0.39	0.40	0.20	0.33															
		Bottom side at 10mm -	0.15									0.15	0.15	0.15	0.15															
	LTE Band 66 Ant0	Front at 10mm -	0.23	0.14	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.61	0.46	0.70	0.67															
		Back at 10mm -	0.30	0.15	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.84	0.89	0.91	0.65															
		Left side at 10mm -	0.19		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.63	0.27	0.64	0.71															
		Right side at 10mm -	0.12	0.24		0.05	0.00		0.14	0.08		0.61	0.36	0.41	0.44															
		Top side at 10mm -		0.08		0.12	0.32		0.31	0.25		0.39	0.40	0.20	0.33															
		Bottom side at 10mm -	0.25									0.25	0.25	0.25	0.25															
NR Band n2 Ant2	Front at 10mm -	0.12	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.64	0.60	0.74	0.70																
	Back at 10mm -	0.41	0.36	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.17	1.22	1.24	0.98																
	Left side at 10mm -	0.33		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.77	0.41	0.78	0.85																
	Right side at 10mm -	0.17	0.12		0.05	0.00		0.14	0.08		0.43	0.29	0.33	0.37																
	Top side at 10mm -	0.16			0.12	0.32		0.31	0.25		0.47	0.49	0.28	0.41																
	Bottom side at 10mm -		0.22								0.22	0.22	0.22	0.22																
LTE Band 2 Ant2	Front at 10mm -	0.26	0.09	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.68	0.44	0.68	0.64																
	Back at 10mm -	0.26	0.37	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.02	1.07	1.09	0.83																
	Left side at 10mm -		0.06	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.61	0.14	0.62	0.68																
	Right side at 10mm -	0.33	0.11		0.05	0.00		0.14	0.08		0.68	0.44	0.48	0.62																
	Top side at 10mm -	0.17			0.12	0.32		0.31	0.25		0.49	0.50	0.29	0.42																
	Bottom side at 10mm -		0.22								0.22	0.22	0.22	0.22																
NR Band n5 Ant0	Front at 10mm -	0.07	0.09	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.39	0.24	0.48	0.45																
	Back at 10mm -	0.16	0.37	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.92	0.97	0.99	0.73																
	Left side at 10mm -		0.06	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.61	0.14	0.62	0.68																
	Right side at 10mm -	0.00	0.11		0.05	0.00		0.14	0.08		0.25	0.11	0.16	0.19																
	Top side at 10mm -	0.06			0.12	0.32		0.31	0.25		0.37	0.38	0.18	0.31																
	Bottom side at 10mm -		0.22								0.22	0.22	0.22	0.22																
LTE Band 66 Ant2	Front at 10mm -	0.25	0.09	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.67	0.42	0.66	0.63																
	Back at 10mm -	0.34	0.37	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.10	1.16	1.18	0.92																
	Left side at 10mm -		0.06	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.61	0.14	0.62	0.68																
	Right side at 10mm -	0.33	0.11		0.05	0.00		0.14	0.08		0.68	0.44	0.48	0.61																
	Top side at 10mm -	0.24			0.12	0.32		0.31	0.25		0.66	0.67	0.36	0.49																
	Bottom side at 10mm -		0.22								0.22	0.22	0.22	0.22																
NR Band n25 Ant2	Front at 10mm -	0.10	0.14	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.48	0.33	0.67	0.63																
	Back at 10mm -	0.17	0.15	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.70	0.75	0.78	0.62																
	Left side at 10mm -	0.10		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.64	0.18	0.65	0.62																
	Right side at 10mm -	0.15	0.24		0.05	0.00		0.14	0.08		0.63	0.39	0.43	0.47																
	Top side at 10mm -		0.08		0.12	0.32		0.31	0.25		0.39	0.40	0.20	0.33																
	Bottom side at 10mm -	0.12									0.12	0.12	0.12	0.12																
LTE Band 66 Ant0	Front at 10mm -	0.23	0.14	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.61	0.46	0.70	0.67																
	Back at 10mm -	0.30	0.15	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.84	0.89	0.91	0.65																
	Left side at 10mm -	0.19		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.63	0.27	0.64	0.71																
	Right side at 10mm -	0.12	0.24		0.05	0.00		0.14	0.08		0.61	0.36	0.41	0.44																
	Top side at 10mm -		0.08		0.12	0.32		0.31	0.25		0.39	0.40	0.20	0.33																
	Bottom side at 10mm -	0.25									0.25	0.25	0.25	0.25																
NR Band n25 Ant0	Front at 10mm -	0.07	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.60	0.45	0.69	0.65																
	Back at 10mm -	0.16	0.36	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.91	0.96	0.98	0.72																
	Left side at 10mm -	0.33		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.77	0.41	0.78	0.85																
	Right side at 10mm -	0.00	0.12		0.05	0.00		0.14	0.08		0.26	0.12	0.16	0.19																
	Top side at 10mm -	0.06			0.12	0.32		0.31	0.25		0.37	0.38	0.18	0.31																
	Bottom side at 10mm -		0.22								0.22	0.22	0.22	0.22																
LTE Band 48 Ant0	Front at 10mm -	0.20	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.73	0.68	0.82	0.78																
	Back at 10mm -	0.30	0.36	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.05	1.10	1.13	0.87																
	Left side at 10mm -	0.44	0.33	0.33	<																									

< Hotspot Exposure Condition >

WWAN Band		Exposure Position	1	2	3	4	5	6	7	8	9	1+2+3+7 Summed 1g SAR (W/kg)	1+2+8 Summed 1g SAR (W/kg)	1+2+4+6+9 Summed 1g SAR (W/kg)	1+2+8+9 Summed 1g SAR (W/kg)
			LTE 1g SAR (W/kg)	NR 1g SAR (W/kg)	WLAN2-4G ANT5 1g SAR (W/kg)	WLAN2-4G ANT6 1g SAR (W/kg)	WLAN2-4G 1g SAR (W/kg)	WLAN5G ANT5 1g SAR (W/kg)	WLAN5G ANT6 1g SAR (W/kg)	WLAN5G 1g SAR (W/kg)	BT 1g SAR (W/kg)				
NR Band n66 Ant0	LTE Band 2 Ant2	Front at 10mm -	0.26	0.22	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.72	0.57	0.81	0.77
		Back at 10mm -	0.26	0.42	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.07	1.12	1.14	0.88
		Left side at 10mm -		0.18	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.62	0.26	0.63	0.70
		Right side at 10mm -	0.33	0.12		0.05	0.00		0.14	0.08		0.59	0.46	0.49	0.52
		Top side at 10mm -	0.17			0.12	0.32		0.31	0.25		0.49	0.50	0.29	0.42
		Bottom side at 10mm -		0.46								0.46	0.46	0.46	0.46
	LTE Band 5 Ant2	Front at 10mm -	0.12	0.22	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.57	0.42	0.67	0.63
		Back at 10mm -	0.41	0.42	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.22	1.27	1.30	1.04
		Left side at 10mm -		0.18	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.62	0.26	0.63	0.70
		Right side at 10mm -	0.17	0.12		0.05	0.00		0.14	0.08		0.43	0.29	0.34	0.37
		Top side at 10mm -	0.16			0.12	0.32		0.31	0.25		0.47	0.49	0.28	0.41
		Bottom side at 10mm -		0.46								0.46	0.46	0.46	0.46
	LTE Band 48 Ant5	Front at 10mm -	0.20	0.22	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.66	0.51	0.75	0.71
		Back at 10mm -	0.30	0.42	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.11	1.16	1.18	0.93
		Left side at 10mm -	0.44	0.18	0.33	0.05	0.08	0.28	0.11	0.40	0.12	1.06	0.69	1.07	1.13
		Right side at 10mm -		0.12		0.05	0.00		0.14	0.08		0.26	0.12	0.16	0.19
		Top side at 10mm -				0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
		Bottom side at 10mm -		0.46								0.46	0.46	0.46	0.46
	LTE Band 6 Ant0	Front at 10mm -	0.10	0.26	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.59	0.44	0.68	0.64
		Back at 10mm -	0.43	0.45	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.26	1.31	1.34	1.08
		Left side at 10mm -	0.00		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.45	0.08	0.45	0.52
		Right side at 10mm -	0.09	0.37		0.05	0.00		0.14	0.08		0.61	0.46	0.51	0.54
		Top side at 10mm -		0.24		0.12	0.32		0.31	0.25		0.55	0.56	0.36	0.48
		Bottom side at 10mm -	0.23									0.23	0.23	0.23	0.23
	LTE Band 13 Ant0	Front at 10mm -	0.10	0.26	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.59	0.44	0.68	0.64
		Back at 10mm -	0.19	0.45	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.03	1.08	1.10	0.94
		Left side at 10mm -	0.08		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.52	0.16	0.53	0.60
		Right side at 10mm -	0.12	0.37		0.05	0.00		0.14	0.08		0.63	0.49	0.53	0.57
		Top side at 10mm -		0.24		0.12	0.32		0.31	0.25		0.55	0.56	0.36	0.48
		Bottom side at 10mm -	0.15									0.15	0.15	0.15	0.15
NR Band n71 Ant2	LTE Band 2 Ant0	Front at 10mm -	0.30	0.06	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.59	0.45	0.69	0.65
		Back at 10mm -	0.32	0.12	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.82	0.67	0.90	0.64
		Left side at 10mm -	0.31		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.75	0.39	0.76	0.83
		Right side at 10mm -	0.08	0.05		0.05	0.00		0.14	0.08		0.27	0.13	0.17	0.20
		Top side at 10mm -		0.05		0.12	0.32		0.31	0.25		0.36	0.37	0.17	0.29
		Bottom side at 10mm -	0.18									0.18	0.18	0.18	0.18
	LTE Band 66 Ant0	Front at 10mm -	0.23	0.06	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.63	0.38	0.62	0.58
		Back at 10mm -	0.30	0.12	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.81	0.66	0.88	0.62
		Left side at 10mm -	0.19		0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.63	0.27	0.64	0.71
		Right side at 10mm -	0.12	0.05		0.05	0.00		0.14	0.08		0.32	0.17	0.22	0.25
		Top side at 10mm -		0.05		0.12	0.32		0.31	0.25		0.36	0.37	0.17	0.29
		Bottom side at 10mm -	0.25									0.25	0.25	0.25	0.25
	LTE Band 2 Ant2	Front at 10mm -	0.26	0.09	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.68	0.44	0.68	0.64
		Back at 10mm -	0.26	0.17	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.82	0.67	0.89	0.63
		Left side at 10mm -		0.09	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.54	0.17	0.55	0.61
		Right side at 10mm -	0.33	0.15		0.05	0.00		0.14	0.08		0.62	0.48	0.52	0.55
		Top side at 10mm -	0.17			0.12	0.32		0.31	0.25		0.49	0.50	0.29	0.42
		Bottom side at 10mm -		0.08								0.08	0.08	0.08	0.08
	LTE Band 66 Ant2	Front at 10mm -	0.25	0.09	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.57	0.42	0.66	0.63
		Back at 10mm -	0.34	0.17	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.91	0.55	0.88	0.72
		Left side at 10mm -		0.09	0.33	0.05	0.08	0.28	0.11	0.40	0.12	0.54	0.17	0.55	0.61
		Right side at 10mm -	0.33	0.15		0.05	0.00		0.14	0.08		0.62	0.47	0.52	0.55
		Top side at 10mm -	0.24			0.12	0.32		0.31	0.25		0.55	0.57	0.36	0.49
		Bottom side at 10mm -		0.08								0.08	0.08	0.08	0.08
NR Band n77 Ant5	LTE Band 2 Ant0	Front at 10mm -	0.30	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.83	0.68	0.92	0.88
		Back at 10mm -	0.32	0.37	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.07	1.12	1.14	0.89
		Left side at 10mm -	0.31	0.65	0.33	0.05	0.08	0.28	0.11	0.40	0.12	1.40	1.04	1.41	1.48
		Right side at 10mm -	0.08			0.05	0.00		0.14	0.08		0.22	0.08	0.12	0.16
		Top side at 10mm -				0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
		Bottom side at 10mm -	0.18									0.18	0.18	0.18	0.18
	LTE Band 5 Ant0	Front at 10mm -	0.10	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.62	0.47	0.71	0.67
		Back at 10mm -	0.43	0.37	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.18	1.23	1.25	1.00
		Left side at 10mm -	0.00	0.65	0.33	0.05	0.08	0.28	0.11	0.40	0.12	1.10	0.73	1.10	1.17
		Right side at 10mm -	0.09			0.05	0.00		0.14	0.08		0.24	0.09	0.14	0.17
		Top side at 10mm -				0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
		Bottom side at 10mm -	0.23									0.23	0.23	0.23	0.23
	LTE Band 12 Ant0	Front at 10mm -	0.10	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.62	0.48	0.72	0.68
		Back at 10mm -	0.17	0.37	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.92	0.97	1.00	0.74
		Left side at 10mm -	0.10	0.65	0.33	0.05	0.08	0.28	0.11	0.40	0.12	1.19	0.83	1.20	1.27
		Right side at 10mm -	0.15			0.05	0.00		0.14	0.08		0.29	0.15	0.20	0.23
		Top side at 10mm -				0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
		Bottom side at 10mm -	0.12									0.12	0.12	0.12	0.12
	LTE Band 13 Ant0	Front at 10mm -	0.10	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.62	0.47	0.71	0.67
		Back at 10mm -	0.19	0.37	0.13	0.35	0.44	0.12	0.26	0.20	0.00	0.95	1.00	1.02	0.76
		Left side at 10mm -	0.08	0.65	0.33	0.05	0.08	0.28	0.11	0.40	0.12	1.17	0.81	1.18	1.25
		Right side at 10mm -	0.12			0.05	0.00		0.14	0.08		0.26	0.12	0.17	0.20
		Top side at 10mm -				0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
		Bottom side at 10mm -	0.15									0.15	0.15	0.15	0.15
	LTE Band 66 Ant0	Front at 10mm -	0.23	0.29	0.07	0.06	0.09	0.17	0.17	0.19	0.10	0.76	0.61	0.85	0.81
		Back at 10mm -	0.30	0.37	0.13	0.35	0.44	0.12	0.26	0.20	0.00	1.06	1.11	1.13	0.87
		Left side at 10mm -	0.19	0.65	0.33	0.05	0.08	0.28	0.11	0.40	0.12	1.29	0.92	1.29	1.36
		Right side at 10mm -	0.12			0.05	0.00		0.14	0.08		0.27	0.12	0.17	0.20
		Top side at 10mm -				0.12	0.32		0.31	0.25		0.31	0.32	0.12	0.25
		Bottom side at 10mm -	0.25									0.25	0.25	0.25	0.25