



TEST REPORT

No.I21N03262-SAR

For

Realme Chongqing Mobile Telecommunications Corp., Ltd.

Mobile Phone

Model Name: RMX3393

With

Hardware Version: 11

Software Version: ColorOS 12.1

FCC ID: 2AUYFRMX3393

Issued Date: 2021-12-15

Designation Number: CN1210

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

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No.I21N03262-SAR

REPORT HISTORY

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1. Summary of Test Report

1.1. Test Items

Description: Mobile Phone
Model Name: RMX3393
Applicant's name: Realme Chongqing Mobile Telecommunications Corp., Ltd.
Manufacturer's Name: Realme Chongqing Mobile Telecommunications Corp., Ltd.

1.2. Test Standards

ANSI C95.1-1992, IEEE 1528-2013

1.3. Test Result

Pass. Please refer to "13. Summary of Test Results"

1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China

1.5. Project Data

Testing Start Date: 2021-10-20

Testing End Date: 2021-12-01

1.6. Signature

Li Yongfu

(Prepared this test report)

Zhang Yunzhan

(Reviewed this test report)

Cao Junfei

(Approved this test report)



2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for Realme Chongqing Mobile Telecommunications Corp., Ltd. Mobile Phone RMX3393 are as follows:

Table 2.1: Highest Reported SAR for Head (1g)

Exposure Configuration	Technology Band	Highest Reported SAR 1g(W/Kg)	Equipment Class
Head (Separation Distance 0mm)	GSM850	0.78	PCE
	PCS1900	0.79	
	WCDMA Band2	0.88	
	WCDMA Band4	1.06	
	WCDMA Band5	1.06	
	LTE Band 2	0.95	
	LTE Band 4	1.10	
	LTE Band 5	0.79	
	LTE Band 7	0.90	
	LTE Band 12	0.38	
	LTE Band 13	0.48	
	LTE Band 26	0.59	
	LTE Band 38	0.73	
	LTE Band 41	0.64	
	LTE Band 66	1.10	
	NR n5(SA)	0.83	
	NR n7(SA)	0.92	
	NR n38(SA)	1.00	
	NR n41(SA)	0.99	
	NR n66(SA)	0.93	
	Bluetooth	0.17	DSS
	WLAN 2.4GHz	1.08	DTS
WLAN 5GHz	0.68	NII	



Table 2.2: Highest Reported SAR for Hotspot (1g)

Exposure Configuration	Technology Band	Highest Reported SAR 1g(W/Kg)	Equipment Class
Hotspot (Separation Distance 10mm)	GSM850	0.20	PCE
	PCS1900	1.13	
	WCDMA Band2	0.98	
	WCDMA Band4	0.97	
	WCDMA Band5	0.18	
	LTE Band 2	0.92	
	LTE Band 4	0.90	
	LTE Band 5	0.17	
	LTE Band 7	1.07	
	LTE Band 12	0.28	
	LTE Band 13	0.19	
	LTE Band 26	0.15	
	LTE Band 38	1.00	
	LTE Band 41	0.93	
	LTE Band 66	0.78	
	NR n5(SA)	0.17	
	NR n7(SA)	0.97	
	NR n38(SA)	1.04	
	NR n41(SA)	1.03	
	NR n66(SA)	0.96	
Bluetooth	0.09	DSS	
WLAN 2.4GHz	0.33	DTS	
WLAN 5GHz	0.23	NII	



Table 2.3: Highest Reported SAR for Body-worn (1g)

Exposure Configuration	Technology Band	Highest Reported SAR 1g(W/Kg)	Equipment Class
Body-worn (Separation Distance 15mm)	GSM850	0.14	PCE
	PCS1900	0.31	
	WCDMA Band2	0.48	
	WCDMA Band4	0.52	
	WCDMA Band5	0.14	
	LTE Band 2	0.38	
	LTE Band 4	0.35	
	LTE Band 5	0.11	
	LTE Band 7	0.38	
	LTE Band 12	0.15	
	LTE Band 13	0.17	
	LTE Band 26	0.09	
	LTE Band 38	0.38	
	LTE Band 41	0.38	
	LTE Band 66	0.33	
	NR n5(SA)	0.14	
	NR n7(SA)	0.38	
	NR n38(SA)	0.38	
	NR n41(SA)	0.37	
	NR n66(SA)	0.38	
Bluetooth	0.06	DSS	
WLAN 2.4GHz	0.14	DTS	
WLAN 5GHz	0.11	NII	

Table 2.4: Highest Reported Extremity SAR (10g)

Exposure Configuration	Technology Band	Highest Reported SAR 10g(W/Kg)	Equipment Class
Extremity (Separation Distance 0mm)	WLAN 5GHz	0.48	NII

The SAR values found for the Mobile Phone are below the maximum recommended levels of 1.6 W/Kg as averaged over any 1g tissue according to the ANSI C95.1-1992.

The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power output.

The measurement together with the test system set-up is described in annex C of this test report. A detailed description of the equipment under test can be found in chapter 4 of this test report.

The highest reported SAR value is obtained at the case of (Table 2.1 & 2.2 & 2.3 & 2.4), Head value is **1.10 W/kg (1g)**, Hotspot value is **1.13 W/kg (1g)**, Body-worn value is **0.52 W/kg (1g)** and Extremity value is **0.48 W/kg (10g)**.

Table 2.5: The sum of reported SAR values for WWAN antenna and WLAN antenna

/	Position	WWAN (W/kg)	WLAN (W/kg)	Sum (W/kg)
Highest reported SAR value for Head	Right Cheek (DC_66A_n7A)	1.12	0.44	1.56
Highest reported SAR value for Hotspot	Top Side	1.07	0.50	1.57
Highest reported SAR value for Body-worn	Rear Side	0.46	0.34	0.80

Note: the test positions of above tables are for the worse case that has been evaluated.

Table 2.6: The sum of reported SAR values for WWAN antenna and Bluetooth antenna

/	Position	WWAN (W/kg)	Bluetooth (W/kg)	Sum (W/kg)
Highest reported SAR value for Head	Right Cheek (DC_66A_n7A)	1.20	0.09	1.29
Highest reported SAR value for Hotspot	Rear Side (DC_66A_n7A)	1.25	0.09	1.34
Highest reported SAR value for Body-worn	Rear Side (DC_66A_n7A)	0.57	0.06	0.63

Note: the test positions of above tables are for the worse case that has been evaluated.

According to the above tables, the highest sum of reported SAR values is **1.57 W/kg (1g)**.

The detail for simultaneous transmission consideration is described in chapter 12.



3. Client Information

3.1. Applicant Information

Company Name:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.
City:	Chongqing
Country:	China
Telephone:	(86)13798864426

3.2. Manufacturer Information

Company Name:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.
City:	Chongqing
Country:	China
Telephone:	(86)13798864426



4. Equipment under Test (EUT) and Ancillary Equipment (AE)

4.1. About EUT

Description:	Mobile Phone
Model Name:	RMX3393
Condition of EUT as received:	No obvious damage in appearance
Frequency Bands:	GSM 850/1900, WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/13/17/26/38/41/66 NR n5/7/38/41/66 Bluetooth, WLAN 2.4G/5G
Tested Tx Frequency:	824 – 849MHz (GSM850)
	1850 – 1910MHz (GSM1900)
	1850 – 1910MHz (WCDMA Band 2)
	1710 – 1755MHz (WCDMA Band 4)
	824 – 849MHz (WCDMA Band 5)
	1850 – 1910MHz (LTE Band 2)
	1710 – 1755MHz (LTE Band 4)
	824 – 849MHz (LTE Band 5)
	2500 – 2570MHz (LTE Band 7)
	699 – 716MHz (LTE Band 12)
	777 – 787MHz (LTE Band 13)
	704 – 716MHz (LTE Band 17)
	814 – 849MHz (LTE Band 26)
	2570 – 2620MHz (LTE Band 38)
	2496 – 2690MHz (LTE Band 41)
	1710 – 1780MHz (LTE Band 66)
	824 – 849MHz (NR n5)
	2500 – 2570MHz (NR n7)
	2570 – 2620MHz (NR n38)
	2496 – 2690MHz (NR n41)
1710 – 1780MHz (NR n66)	
2400 – 2483.5MHz (Bluetooth)	
2400 – 2483.5MHz (WLAN 2.4G)	
5150 – 5850MHz (WLAN 5G)	
GPRS/EDGE Multislot Class:	12
GPRS capability Class:	B
Test device Production information:	Production unit
Device type:	Portable device
Antenna type:	PIFA antenna
Hotspot mode:	Support
Product Dimensions:	Long 160.2mm; Wide 73.3mm; Overall Diagonal 170.2mm



Remark:

1. This device does not support DTM operation.

2. This device WLAN 5.3G/5.5G doesn't support hotspot operation.

3. There are totally 8 power levels of WWAN antennas, and 4 power levels of WLAN antennas, detail descriptions of the power reduction mechanism are included in the operational description.

4. For WWAN transmitter

a) Head exposure conditions:

Power Level A1 – While the device WWAN antenna is transmitting standalone and the audio is actively routed through the receiver.

Power Level A2 – While the device WWAN antenna is transmitting standalone under EN-DC mode and the audio is actively routed through the receiver.

Power Level B1 – While the device WWAN antenna is transmitting simultaneously with the WLAN antenna, and the audio is actively routed through the receiver.

Power Level B2 – While the device WWAN antenna is transmitting simultaneously with the WLAN antenna under EN-DC mode, and the audio is actively routed through the receiver.

b) Body exposure condition

Power Level C1 – While the device WWAN antenna is transmitting standalone and receiver is not working.

Power Level C2 – While the device WWAN antenna is transmitting standalone under EN-DC mode and receiver is not working.

Power Level D1 – While the device WWAN antenna is transmitting simultaneously with the WLAN antenna and receiver is not working.

Power Level D2 – While the device WWAN antenna is transmitting simultaneously with the WLAN antenna under EN-DC mode and receiver is not working.

5. For WLAN transmitter

a) Head exposure conditions:

Power Level A1 – While the device WLAN antenna is transmitting standalone and the audio is actively routed through the receiver.

Power Level B1 – While the device WLAN antenna is transmitting simultaneously with the WWAN antenna, and the audio is actively routed through the receiver.

b) Body exposure condition.

Power Level C1 – While the device WLAN antenna is transmitting standalone and receiver is not working.

Power Level D1 – While the device WLAN antenna is transmitting simultaneously with the WWAN antenna and receiver is not working.



4.2. Power reduction specification

The following tables summarize the key power reduction information. The detailed full power which is the target power the state can use and reduced tune-up specifications and conducted power measurement results are provided in chapter 10 of this report.

Band	Antenna	Non ENDC Mode				ENDC Mode					
		Full Power (dBm)	Head Power Level A1	Body Power Level C1	Head Power Level B1	Body Power Level D1	Full Power (dBm)	Head Power Level A2	Body Power Level C2	Head Power Level B2	Body Power Level D2
GSM850	Ant.0	32.5	0	0	0	0	/	/	/	/	/
GSM850	Ant.1	32.5	-1.5	0	-1.5	0	/	/	/	/	/
GSM1900	Ant.0	29.5	0	0	0	0	/	/	/	/	/
GSM1900	Ant.1	29.5	-3	0	-4	-0.5	/	/	/	/	/
WCDMA B2	Ant.0	23.0	0	-0.5	0	-1	/	/	/	/	/
WCDMA B2	Ant.1	23.0	-6.5	-2.5	-7	-3.5	/	/	/	/	/
WCDMA B4	Ant.0	23.0	0	-0.5	0	-1	/	/	/	/	/
WCDMA B4	Ant.1	23.0	-7.5	-3	-7.5	-3.5	/	/	/	/	/
WCDMA B5	Ant.0	23.5	0	0	0	0	/	/	/	/	/
WCDMA B5	Ant.1	23.5	-1	0	-1	0	/	/	/	/	/

Band	Antenna	Non ENDC Mode				ENDC Mode					
		Full Power (dBm)	Head Power Level A1	Body Power Level C1	Head Power Level B1	Body Power Level D1	Full Power (dBm)	Head Power Level A2	Body Power Level C2	Head Power Level B2	Body Power Level D2
LTE Band2	Ant.0	22.5	0	0	0	-0.5	/	/	/	/	/
LTE Band2	Ant.1	22.5	-6	-2.5	-6.5	-3	/	/	/	/	/
LTE Band4	Ant.0	22.5	0	0	0	0	/	/	/	/	/
LTE Band4	Ant.1	22.5	-6.5	-2.5	-7.5	-3	/	/	/	/	/
LTE Band5	Ant.0	23.5	0	0	0	0	23.5	0	0	0	0
LTE Band5	Ant.1	23.5	0	0	-0.5	0	23.5	-1.5	0	-2	0
LTE Band7	Ant.0	22.5	0	0	0	0	22.5	0	-1	0	-1
LTE Band7	Ant.1	22.5	-8	-4.5	-8	-4.5	/	/	/	/	/
LTE Band7	Ant.4	/	/	/	/	/	20.0	-2	-0.5	-2	-0.5
LTE Band12	Ant.0	23.5	0	0	0	0	/	/	/	/	/
LTE Band12	Ant.1	23.5	0	0	0	0	/	/	/	/	/
LTE Band13	Ant.0	23.5	0	0	0	0	/	/	/	/	/
LTE Band13	Ant.1	23.5	0	0	0	0	/	/	/	/	/
LTE Band17	Ant.0	23.5	0	0	0	0	/	/	/	/	/
LTE Band17	Ant.1	23.5	0	0	0	0	/	/	/	/	/
LTE Band26	Ant.0	23.0	0	0	0	0	23.0	0	0	0	0
LTE Band26	Ant.1	23.0	0	0	-0.5	0	23.0	0	0	-1	0
LTE Band38	Ant.0	23.0	0	0	0	0	/	/	/	/	/
LTE Band38	Ant.1	23.0	-7	-3	-7	-3	/	/	/	/	/
LTE Band41	Ant.0	23.5	0	0	0	0	/	/	/	/	/
LTE Band41	Ant.1	23.5	-5	-2	-5	-2	/	/	/	/	/
LTE Band66	Ant.0	23.0	0	0	0	0	23.0	0	-1	0	-1.5
LTE Band66	Ant.1	23.0	-6.5	-3	-7.5	-3	23.0	-8.5	-4.5	-9	-5
LTE Band66	Ant.3	/	/	/	/	/	22.0	0	0	0	0
LTE Band66	Ant.4	/	/	/	/	/	23.0	0	0	0	0



Band	Antenna	Non ENDC Mode					ENDC Mode				
		Full Power (dBm)	Head	Body	Head	Body	Full Power (dBm)	Head	Body	Head	Body
			Power Level A1	Power Level C1	Power Level B1	Power Level D1		Power Level A2	Power Level C2	Power Level B2	Power Level D2
NR n5	Ant.0	23.0	0	0	0	0	23.0	0	0	0	0
NR n5	Ant.1	23.0	-1	0	-1.5	0	23.0	-2.5	0	-6.5	0
NR n7	Ant.0	22.5	0	0	0	0	22.5	0	-0.5	-2.5	-4.5
NR n7	Ant.1	22.5	-7.5	-4	-7.5	-4	/	/	/	/	/
NR n7	Ant.4	/	/	/	/	/	20.0	-1.5	0	-1.5	-3
NR n38	Ant.0	23.0	0	0	0	-1	/	/	/	/	/
NR n38	Ant.1	23.0	-9	-6	-9	-6	/	/	/	/	/
NR n41	Ant.0	23.0	0	0	0	0	23.0	0	0	-3	-4
NR n41	Ant.1	23.0	-8	-5	-8	-5	/	/	/	/	/
NR n41	Ant.4	/	/	/	/	/	20.5	0	0	-3	-3.5
NR n66	Ant.0	23.0	0	0	0	0	/	/	/	/	/
NR n66	Ant.1	23.0	-7.5	-3	-7.5	-3.5	/	/	/	/	/

Band	Antenna	Non ENDC Mode					ENDC Mode				
		Full Power (dBm)	Head	Body	Head	Body	Full Power (dBm)	Head	Body	Head	Body
			Power Level A1	Power Level C1	Power Level B1	Power Level D1		Power Level A2	Power Level C2	Power Level B2	Power Level D2
WLAN 2.4G	Ant.7	17.5	-2	0	-6.5	-1.5	/	/	/	/	/
WLAN 2.4G	Ant.8	17.5	-2	0	-6.5	-1.5	/	/	/	/	/
WLAN 5.2G	Ant.7	17.0	0	0	-4	0	/	/	/	/	/
WLAN 5.2G	Ant.8	17.0	0	0	-4	0	/	/	/	/	/
WLAN 5.3G	Ant.7	17.0	0	0	-4	0	/	/	/	/	/
WLAN 5.3G	Ant.8	17.0	0	0	-4	0	/	/	/	/	/
WLAN 5.5G	Ant.7	17.0	0	0	-5	0	/	/	/	/	/
WLAN 5.5G	Ant.8	17.0	0	0	-5	0	/	/	/	/	/
WLAN 5.8G	Ant.7	17.0	0	0	-5	0	/	/	/	/	/
WLAN 5.8G	Ant.8	17.0	0	0	-5	0	/	/	/	/	/



4.3. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version	Receipt Date
UT01aa	IMEI1: 868912050027132 IMEI2: 868912050027124	11	ColorOS 12.1	2021-10-18
UT02aa	IMEI1: 868912050021390 IMEI2: 868912050021382	11	ColorOS 12.1	2021-10-18
UT03aa	IMEI1: 868912050021879 IMEI2: 868912050021861	11	ColorOS 12.1	2021-10-18
UT14aa	IMEI1: 868912050027132 IMEI2: 868912050027124	11	ColorOS 12.1	2021-10-18

*EUT ID: is used to identify the test sample in the lab internally.

Note: It is performed to test SAR with the UT02aa & UT03aa, and conducted power with the UT01aa & UT14aa.

4.4. Internal Identification of AE used during the test

AE ID*	Description	Model	Manufacturer
AE1	Battery	BLP837	Sunwoda Electronic Co., Ltd.
AE2	Battery	BLP837	Huizhou Desay Battery Co., LTD
AE3	Headset	MH156	/

*AE ID: is used to identify the test sample in the lab internally.

Note: The device has two types of batteries. We'll perform the SAR measurement with AE1 battery and Spot check test with AE2 battery.



5. Test Methodology

5.1. Applicable Limit Regulations

ANSI C95.1–1992 IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz

It specifies the maximum exposure limit of **1.6 W/kg** as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.

5.2. Applicable Measurement Standards

IEEE 1528–2013 Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Experimental Techniques.

KDB 447498 D01 General RF Exposure Guidance v06 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies

KDB 648474 D04 Handset SAR v01r03 SAR Evaluation Considerations for Wireless Handsets

KDB 941225 D01 SAR test for 3G devices v03r01 SAR Measurement Procedures for 3G Devices

KDB 941225 D05 SAR for LTE Devices v02r05 SAR Evaluation Considerations for LTE Devices

KDB 941225 D06 Hot Spot SAR v02r01 SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities

KDB 248227 D01 802.11 Wi-Fi SAR v02r02 SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters.

KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04 SAR Measurement Requirements for 100 MHz to 6 GHz

KDB 865664 D02 RF Exposure Reporting v01r02 RF Exposure Compliance Reporting and Documentation Considerations

KDB 941225 D07 UMPC Mini Tablet v01r02 SAR Evaluation Procedures for UMPC Mini-Tablet Devices

KDB 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02: REL. 10 LTE SAR TEST GUIDANCE AND KDB INQUIRIES

TCB workshop April 2019; RF Exposure Procedures (Tissue Simulating Liquids)

6. Specific Absorption Rate (SAR)

6.1. Introduction

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

6.2. SAR Definition

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

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

SAR is expressed in units of Watts per kilogram (W/kg)

SAR measurement can be either related to the temperature elevation in tissue by

$$SAR = c \left(\frac{\delta T}{\delta t} \right)$$

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

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

Where: σ is the conductivity of the tissue, ρ is the mass density of tissue and E is the RMS electrical field strength.

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

7. Tissue Simulating Liquids

7.1. Targets for tissue simulating liquid

Table 7.1: Targets for tissue simulating liquid

Frequency (MHz)	Liquid Type	Conductivity (σ)	$\pm 5\%$ Range	Permittivity (ϵ)	$\pm 5\%$ Range
750	Head	0.89	0.85~0.93	41.9	39.8~44.0
835	Head	0.90	0.86~0.95	41.5	39.4~43.6
1750	Head	1.37	1.30~1.44	40.1	38.1~42.1
1900	Head	1.40	1.33~1.47	40.0	38.0~42.0
2450	Head	1.80	1.71~1.89	39.2	37.2~41.2
2550	Head	1.91	1.81~2.01	39.1	37.1~41.0
5250	Head	4.71	4.47~4.95	35.9	34.1~37.7
5600	Head	5.07	4.82~5.32	35.5	33.8~37.3
5750	Head	5.22	4.96~5.48	35.4	33.6~37.1

7.2. Dielectric Performance

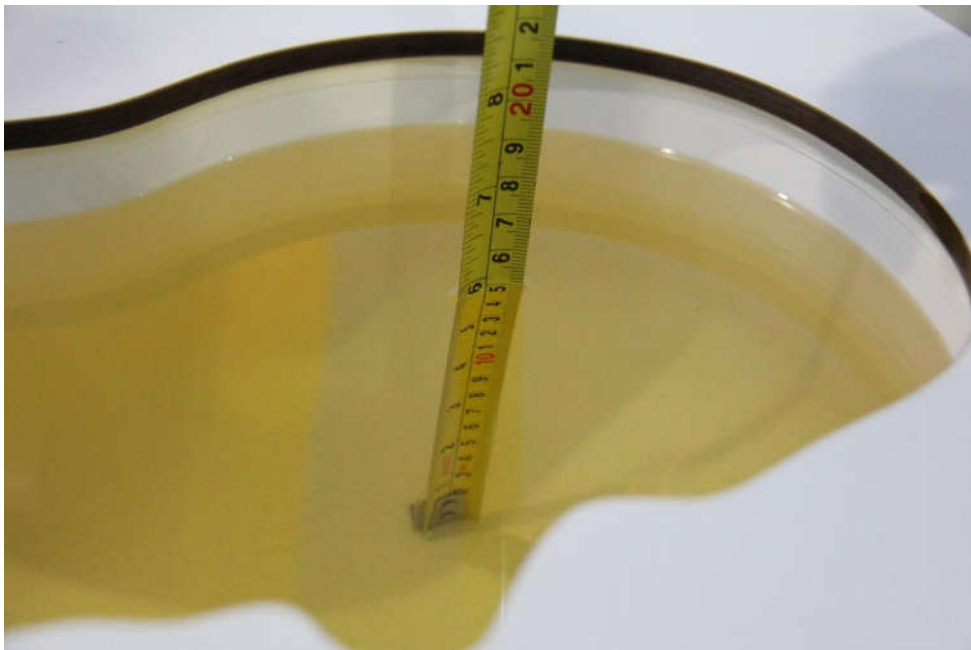
Table 7.2: Dielectric Performance of Tissue Simulating Liquid

Measurement Date (yyyy-mm-dd)	Type	Frequency	Conductivity σ (S/m)	Drift (%)	Permittivity ϵ	Drift (%)
2021-11-01	Head	750	0.916	2.92	40.88	-2.43
2021-11-16	Head	835	0.924	2.67	40.60	-2.17
2021-10-29	Head	1750	1.382	0.88	39.56	-1.35
2021-11-05	Head	1750	1.377	0.51	39.33	-1.92
2021-10-20	Head	1900	1.378	-1.57	40.77	1.93
2021-10-22	Head	1900	1.389	-0.79	40.85	2.13
2021-12-01	Head	2450	1.836	2.00	38.42	-1.99
2021-10-25	Head	2550	1.939	1.52	38.51	-1.51
2021-10-26	Head	2550	1.945	1.83	38.03	-2.74
2021-11-26	Head	2550	1.931	1.10	38.27	-2.12
2021-11-27	Head	2550	1.924	0.73	38.68	-1.07
2021-11-24	Head	5250	4.658	-1.10	36.74	2.34
2021-11-24	Head	5600	5.175	2.07	34.63	-2.45
2021-11-24	Head	5750	5.114	-2.03	36.08	1.92

Note: The liquid temperature is 22.0°C.



Picture 7-1: Liquid depth in the Head Phantom (750MHz)



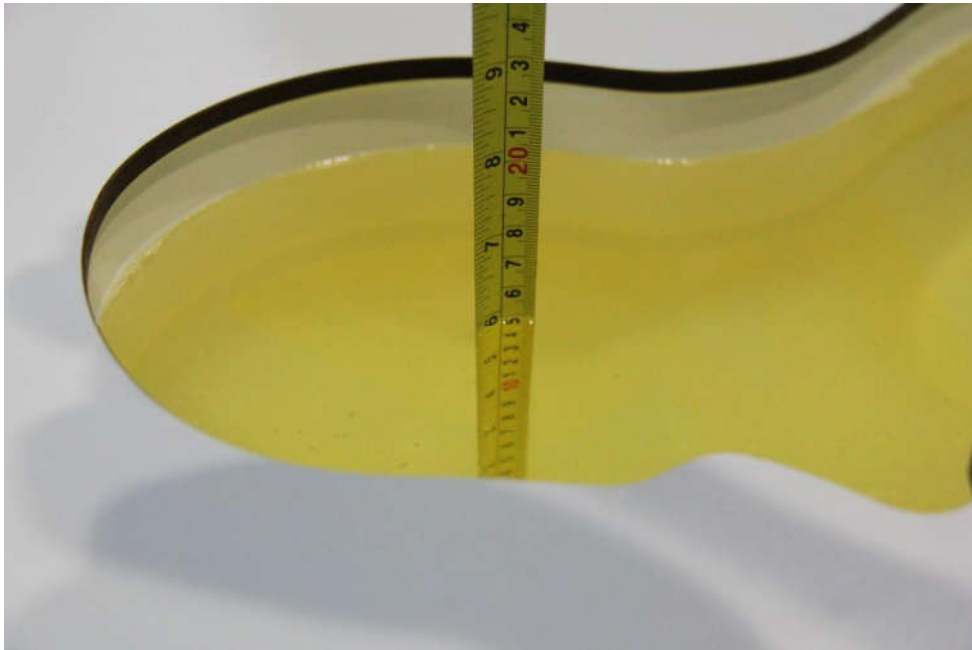
Picture 7-2: Liquid depth in the Head Phantom (835MHz)



Picture 7-3: Liquid depth in the Head Phantom (1750MHz)



Picture 7-4: Liquid depth in the Head Phantom (1900MHz)



Picture 7-5: Liquid depth in the Head Phantom(2450MHz)



Picture 7-6: Liquid depth in the Head Phantom(2550MHz)

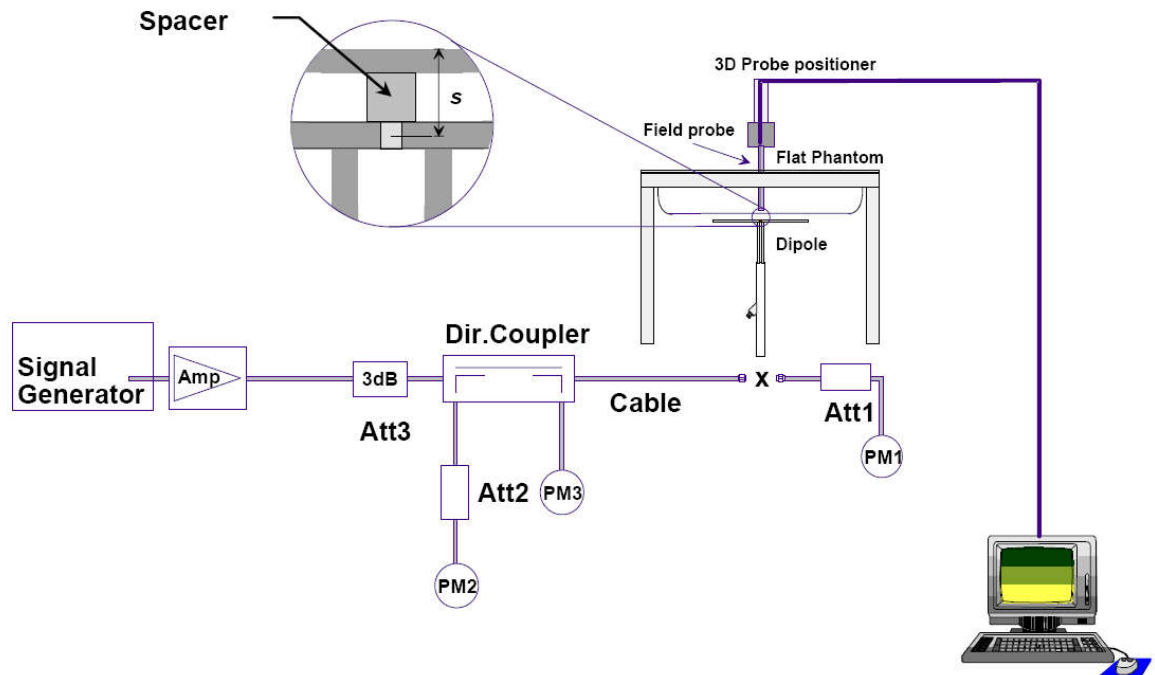


Picture 7-7: Liquid depth in the Head Phantom(5GHz)

8. System verification

8.1. System Setup

In the simplified setup for system evaluation, the DUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



Picture 8.1 System Setup for System Evaluation

For the dipole below 3GHz, the output power on dipole port must be calibrated to 24 dBm (250mW) before dipole is connected.

For the dipole above 3GHz, the output power on dipole port must be calibrated to 20 dBm (100mW) before dipole is connected.



Picture 8.2 Photo of Dipole Setup

8.2. System Verification

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device.

Table 8.1: System Verification of Head

Measurement Date	Frequency (MHz)	Target value (W/kg)		Measured value (W/kg)				Deviation (%)	
		10 g	1 g	/		Normalize to 1W		10 g	1 g
				10 g	1 g	10 g	1 g		
2021-11-01	750	5.70	8.53	1.47	2.23	5.88	8.92	3.16	4.57
2021-11-16	835	6.29	9.64	1.61	2.49	6.44	9.96	2.38	3.32
2021-10-29	1750	19.30	36.40	4.91	9.35	19.64	37.40	1.76	2.75
2021-11-05	1750	19.30	36.40	4.87	9.28	19.48	37.12	0.93	1.98
2021-10-20	1900	20.50	40.20	5.01	9.65	20.04	38.60	-2.24	-3.98
2021-10-22	1900	20.50	40.20	5.08	9.87	20.32	39.48	-0.88	-1.79
2021-12-01	2450	24.20	53.20	6.15	13.7	24.60	54.80	1.65	3.01
2021-10-25	2550	25.20	55.90	6.42	14.4	25.68	57.60	1.90	3.04
2021-10-26	2550	25.20	55.90	6.49	14.6	25.96	58.40	3.02	4.47
2021-11-26	2550	25.20	55.90	6.37	14.3	25.48	57.20	1.11	2.33
2021-11-27	2550	25.20	55.90	6.34	14.2	25.36	56.80	0.63	1.61
2021-11-24	5250	22.30	78.00	2.20	7.64	22.00	76.40	-1.35	-2.05
2021-11-24	5600	22.70	79.50	2.34	8.30	23.40	83.00	3.08	4.40
2021-11-24	5750	22.20	78.40	2.18	7.56	21.80	75.60	-1.80	-3.57

9. Measurement Procedures

9.1. Tests to be performed

In order to determine the highest value of the peak spatial-average SAR of a handset, all device positions, configurations and operational modes shall be tested for each frequency band according to steps 1 to 3 below. A flowchart of the test process is shown in picture 9.1.

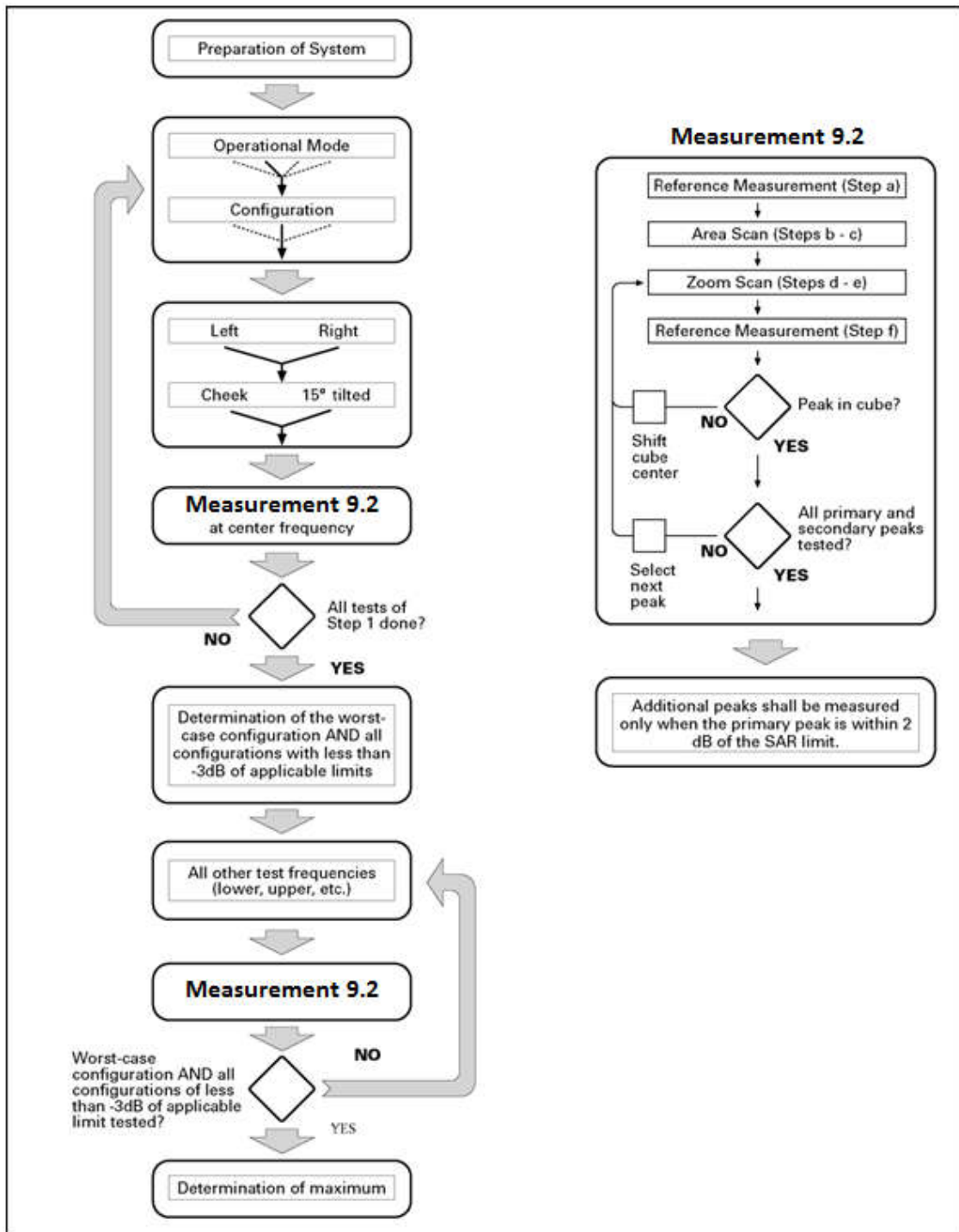
Step 1: The tests described in 9.2 shall be performed at the channel that is closest to the center of the transmit frequency band (f_c) for:

- a) all device positions (cheek and tilt, for both left and right sides of the SAM phantom, as described in annex D),
- b) all configurations for each device position in a), e.g., antenna extended and retracted, and
- c) all operational modes, e.g., analogue and digital, for each device position in a) and configuration in b) in each frequency band.

If more than three frequencies need to be tested according to 11.1 (i.e., $N_C > 3$), then all frequencies, configurations and modes shall be tested for all of the above test conditions.

Step 2: For the condition providing highest peak spatial-average SAR determined in Step 1, perform all tests described in 9.2 at all other test frequencies, i.e., lowest and highest frequencies. In addition, for all other conditions (device position, configuration and operational mode) where the peak spatial-average SAR value determined in Step 1 is within 3 dB of the applicable SAR limit, it is recommended that all other test frequencies shall be tested as well.

Step 3: Examine all data to determine the highest value of the peak spatial-average SAR found in Steps 1 to 2.



Picture 9.1 Block diagram of the tests to be performed

9.2. General Measurement Procedure

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements and fully documented in SAR reports to qualify for TCB approval. Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013. The results should be documented as part of the system validation records and may be requested to support test results when all the measurement parameters in the following table are not satisfied.

		≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface		5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location		$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: $\Delta x_{Area}, \Delta y_{Area}$		≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
		When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be \leq the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: $\Delta x_{Zoom}, \Delta y_{Zoom}$		≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$	≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid $\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
	$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z	≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. * When zoom scan is required and the reported SAR from the area scan based I-g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.			

9.3. WCDMA Measurement Procedures for SAR

The following procedures are applicable to WCDMA handsets operating under 3GPP Release99, Release 5 and Release 6. The default test configuration is to measure SAR with an established radio link between the DUT and a communication test set using a 12.2kbps RMC (reference measurement channel) configured in Test Loop Mode 1. SAR is selectively confirmed for other physical channel configurations (DPCCH & DPDCH_n), HSDPA and HSPA (HSUPA/HSDPA) modes according to output power, exposure conditions and device operating capabilities. Both uplink and downlink should be configured with the same RMC or AMR, when required. SAR for Release 5 HSDPA and Release 6 HSPA are measured using the applicable FRC (fixed reference channel) and E-DCH reference channel configurations. Maximum output power is verified according to applicable versions of 3GPP TS 34.121 and SAR must be measured according to these maximum output conditions. When Maximum Power Reduction (MPR) is not implemented according to Cubic Metric (CM) requirements for Release 6 HSPA, the following procedures do not apply.

For Release 5 HSDPA Data Devices:

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	β_{hs}	CM/dB
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15	15/15	64	12/15	24/25	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

For Release 6 HSPA Data Devices

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

9.4. LTE Measurement Procedures for SAR

SAR tests for LTE are performed with a base station simulator, Anristu MT8820C. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. All powers were measured with the Anristu MT8820C. It is performed for conducted power and SAR based on the KDB941225 D05.

SAR is evaluated separately according to the following procedures for the different test positions in each exposure condition – head, body, body-worn accessories and other use conditions. The procedures in the following subsections are applied separately to test each LTE frequency band.

1) QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2) QPSK with 50% RB allocation

The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.

3) QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

9.5. LTE (TDD) Considerations

According to KDB 941225 D05 SAR for LTE Devices, for Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band 38/41 support 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.



Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$		
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-		
9	$13168 \cdot T_s$			-		

Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

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

Calculated Duty Cycle

Calculated Duty Cycle = Extended cyclic prefix in uplink x (Ts) x # of S + # of U

Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:

Calculated Duty Cycle = $5120 \times [1/(15000 \times 2048)] \times 2 + 6 \text{ ms} = 63.33\%$

Where

$T_s = 1/(15000 \times 2048)$ seconds

Note:

1. From May 2017 TCB Workshop, HPUE does not support uplink-downlink configurations 0 and 6.
2. This device supports uplink-downlink configurations 0-6. The configuration with highest duty cycle was used for SAR Testing: configuration 0 at 63.3% (Power Class 3) and configuration 1 at 43.3% (Power Class 2) duty cycle.



9.6. Bluetooth & WLAN Measurement Procedures for SAR

Normal network operating configurations are not suitable for measuring the SAR of 802.11 transmitters in general. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure that the results are consistent and reliable.

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in a test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. The test frequencies should correspond to actual channel frequencies defined for domestic use. SAR for devices with switched diversity should be measured with only one antenna transmitting at a time during each SAR measurement, according to a fixed modulation and data rate. The same data pattern should be used for all measurements.

9.7. Power Drift

To control the output power stability during the SAR test, DASY5 system calculates the power drift by measuring the E-field at the same location at the beginning and at the end of the measurement for each test position. These drift values can be found in Section 14 labeled as: (Power Drift [dB]). This ensures that the power drift during one measurement is within 5%.

10. Conducted Output Power

10.1. GSM Measurement result

During the process of testing, the EUT was controlled via Agilent Digital Radio Communication tester (E5515C) to ensure the maximum power transmission and proper modulation. This result contains conducted output power for the EUT. In all cases, the measured peak output power should be greater and within 5% than EMI measurement.

Table 10.1: The conducted power measurement results for GSM

Ant.0 – Power Level A1/B1/C1/D1								
GSM 850 Speech	Tune up	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.251	Ch.190	Ch.128		Ch.251	Ch.190	Ch.128
1Tx slot	33.5	32.49	32.53	32.42	/	/	/	/
GPRS 850 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.251	Ch.190	Ch.128		Ch.251	Ch.190	Ch.128
1Tx slot	33.5	32.47	32.50	32.38	-9.03dB	23.44	23.47	23.35
2Tx slots	31.5	30.13	30.16	30.05	-6.02dB	24.11	24.14	24.03
3Tx slots	29.3	27.90	27.92	27.79	-4.26dB	23.64	23.66	23.53
4Tx slots	28.5	27.15	27.19	27.06	-3.01dB	24.14	24.18	24.05
EGPRS 850 8PSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.251	Ch.190	Ch.128		Ch.251	Ch.190	Ch.128
1Tx slot	28.0	27.16	27.15	27.20	-9.03dB	18.13	18.12	18.17
2Tx slots	26.0	25.01	24.92	25.01	-6.02dB	18.99	18.90	18.99
3Tx slots	24.0	22.83	22.66	22.81	-4.26dB	18.57	18.40	18.55
4Tx slots	23.5	22.11	22.06	22.17	-3.01dB	19.10	19.05	19.16



Ant.1 – Power Level A1/B1								
GSM 850 Speech	Tune up	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.251	Ch.190	Ch.128		Ch.251	Ch.190	Ch.128
1Tx slot	32.0	31.24	31.30	31.16	/	/	/	/
GPRS 850 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.251	Ch.190	Ch.128		Ch.251	Ch.190	Ch.128
1Tx slot	32.0	31.21	31.27	31.12	-9.03dB	22.18	22.24	22.09
2Tx slots	30.0	28.53	28.55	28.42	-6.02dB	22.51	22.53	22.40
3Tx slots	27.8	26.31	26.34	26.24	-4.26dB	22.05	22.08	21.98
4Tx slots	27.0	25.71	25.65	25.56	-3.01dB	22.70	22.64	22.55
EGPRS 850 8PSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.251	Ch.190	Ch.128		Ch.251	Ch.190	Ch.128
1Tx slot	26.5	25.59	25.48	25.55	-9.03dB	16.56	16.45	16.52
2Tx slots	24.5	23.34	23.33	23.42	-6.02dB	17.32	17.31	17.40
3Tx slots	22.5	21.24	21.17	21.24	-4.26dB	16.98	16.91	16.98
4Tx slots	22.0	20.58	20.59	20.61	-3.01dB	17.57	17.58	17.60
Ant.1 – Power Level C1/D1								
GSM 850 Speech	Tune up	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.251	Ch.190	Ch.128		Ch.251	Ch.190	Ch.128
1Tx slot	33.5	32.40	32.45	32.33	/	/	/	/
GPRS 850 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.251	Ch.190	Ch.128		Ch.251	Ch.190	Ch.128
1Tx slot	33.5	32.38	32.42	32.28	-9.03dB	23.35	23.39	23.25
2Tx slots	31.5	30.14	30.16	30.04	-6.02dB	24.12	24.14	24.02
3Tx slots	29.3	27.81	27.84	27.70	-4.26dB	23.55	23.58	23.44
4Tx slots	28.5	27.17	27.19	27.09	-3.01dB	24.16	24.18	24.08
EGPRS 850 8PSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.251	Ch.190	Ch.128		Ch.251	Ch.190	Ch.128
1Tx slot	28.0	27.05	26.95	26.96	-9.03dB	18.02	17.92	17.93
2Tx slots	26.0	24.94	24.85	24.93	-6.02dB	18.92	18.83	18.91
3Tx slots	24.0	22.75	22.66	22.72	-4.26dB	18.49	18.40	18.46
4Tx slots	23.5	22.02	21.97	22.14	-3.01dB	19.01	18.96	19.13



Ant.0 – Power Level A1/B1/C1/D1								
GSM 1900 Speech	Tune up	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	30.5	29.48	29.56	29.63	/	/	/	/
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	30.5	29.46	29.53	29.59	-9.03dB	20.43	20.50	20.56
2Tx slots	28.0	27.32	27.28	27.40	-6.02dB	21.30	21.26	21.38
3Tx slots	26.5	25.57	25.57	25.66	-4.26dB	21.31	21.31	21.40
4Tx slots	25.5	24.41	24.35	24.46	-3.01dB	21.40	21.34	21.45
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	26.5	26.03	26.01	25.96	-9.03dB	17.00	16.98	16.93
2Tx slots	24.0	23.33	23.26	23.36	-6.02dB	17.31	17.24	17.34
3Tx slots	22.5	22.17	22.03	22.10	-4.26dB	17.91	17.77	17.84
4Tx slots	22.0	21.34	21.21	21.26	-3.01dB	18.33	18.20	18.25

Ant.1 – Power Level A1								
GSM 1900 Speech	Tune up	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	27.5	27.27	27.13	26.85	/	/	/	/
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	27.5	27.25	27.10	26.84	-9.03dB	18.22	18.07	17.81
2Tx slots	25.0	24.54	23.35	24.10	-6.02dB	18.52	15.33	18.08
3Tx slots	23.5	22.32	22.15	21.82	-4.26dB	18.06	17.89	17.56
4Tx slots	22.5	21.60	21.44	21.09	-3.01dB	18.59	18.43	18.08
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	23.5	23.27	23.02	22.84	-9.03dB	14.24	13.99	13.81
2Tx slots	21.0	20.87	20.74	20.60	-6.02dB	15.15	14.72	14.58
3Tx slots	19.5	18.93	18.66	18.51	-4.26dB	14.67	14.40	14.25
4Tx slots	19.0	18.20	17.92	17.83	-3.01dB	15.19	14.91	14.82
Ant.1 – Power Level B1								
GSM 1900 Speech	Tune up	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	26.5	26.45	26.40	26.10	/	/	/	/
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	26.5	26.42	26.39	26.08	-9.03dB	17.39	17.36	17.05
2Tx slots	24.0	23.78	23.67	23.33	-6.02dB	17.76	17.65	17.31
3Tx slots	22.5	22.01	21.78	21.57	-4.26dB	17.75	17.52	17.31
4Tx slots	21.5	20.85	20.61	20.40	-3.01dB	17.84	17.60	17.39
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	22.5	22.30	22.01	21.70	-9.03dB	13.27	12.98	12.67
2Tx slots	20.0	19.12	18.55	18.01	-6.02dB	13.10	12.53	11.99
3Tx slots	18.5	17.91	17.62	17.29	-4.26dB	13.65	13.36	13.03
4Tx slots	18.0	17.10	16.90	16.65	-3.01dB	14.09	13.89	13.64



Ant.1 – Power Level C1								
GSM 1900 Speech	Tune up	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	30.5	30.03	29.85	29.63	/	/	/	/
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	30.5	30.01	29.84	29.61	-9.03dB	20.98	20.81	20.58
2Tx slots	28.0	27.76	27.60	27.39	-6.02dB	21.74	21.58	21.37
3Tx slots	26.5	26.01	25.78	25.52	-4.26dB	21.75	21.52	21.26
4Tx slots	25.5	24.77	24.51	24.33	-3.01dB	21.76	21.50	21.32
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	26.5	25.72	25.53	25.41	-9.03dB	16.69	16.50	16.38
2Tx slots	24.0	22.99	22.80	22.46	-6.02dB	16.97	16.78	16.44
3Tx slots	22.5	21.78	21.51	21.18	-4.26dB	17.52	17.25	16.92
4Tx slots	22.0	21.01	20.79	20.41	-3.01dB	18.00	17.78	17.40
Ant.1 – Power Level D1								
GSM 1900 Speech	Tune up	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	30.0	28.98	28.90	29.60	/	/	/	/
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	30.0	28.97	28.88	28.67	-9.03dB	19.94	19.85	19.64
2Tx slots	27.5	27.30	27.10	26.90	-6.02dB	21.28	21.08	20.88
3Tx slots	26.0	25.52	25.34	25.15	-4.26dB	21.26	21.08	20.89
4Tx slots	25.0	24.31	24.12	23.90	-3.01dB	21.30	21.11	20.89
GPRS 1900 GMSK	/	Measured Power (dBm)			calculation	Averaged Power (dBm)		
		Ch.810	Ch.661	Ch.512		Ch.810	Ch.661	Ch.512
1Tx slot	26.0	24.86	24.71	24.68	-9.03dB	15.83	15.68	15.65
2Tx slots	23.5	22.68	22.60	22.42	-6.02dB	16.66	16.58	16.40
3Tx slots	22.0	21.45	21.37	21.07	-4.26dB	17.19	17.11	16.81
4Tx slots	21.5	20.73	20.57	20.39	-3.01dB	17.72	17.56	17.38

Notes:

1) Division Factors

To average the power, the division factor is as follows:

1TX-slot = 1 transmit time slot out of 8 time slots=> conducted power divided by (8/1) => -9.03dB

2TX-slots = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB

3TX-slots = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB

4TX-slots = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB

According to the conducted power as above, the body measurements are performed with 4Txslots for GSM850MHz and GSM1900MHz.

10.2. WCDMA Measurement result

Table 10.2: The conducted power measurement results WCDMA

Ant.0 – Power Level A1/B1					
Item	band	WCDMA Band 2 result			
	ARFCN	Tune up	Ch.9538 (1907.6MHz)	Ch.9400 (1880MHz)	Ch.9262 (1852.4MHz)
WCDMA	\	24.0	22.9	23.0	23.1
HSUPA	1	21.5	20.5	20.5	20.6
	2	21.0	19.9	20.0	20.1
	3	22.0	21.0	21.0	21.1
	4	20.5	19.4	19.5	19.6
	5	22.0	21.0	21.0	21.1
HSDPA	1	23.0	22.0	22.0	22.1
	2	23.0	21.9	22.0	22.1
	3	22.5	21.4	21.6	21.6
	4	22.5	21.4	21.5	21.6
Ant.0 – Power Level C1					
Item	band	WCDMA Band 2 result			
	ARFCN	Tune up	Ch.9538 (1907.6MHz)	Ch.9400 (1880MHz)	Ch.9262 (1852.4MHz)
WCDMA	\	23.5	22.4	22.5	22.6
HSUPA	1	21.0	20.0	20.0	20.1
	2	20.5	19.4	19.5	19.6
	3	21.5	20.5	20.5	20.6
	4	20.0	18.9	19.0	19.1
	5	21.5	20.5	20.5	20.6
HSDPA	1	22.5	21.5	21.5	21.6
	2	22.5	21.4	21.5	21.6
	3	22.0	20.9	21.1	21.1
	4	22.0	20.9	21.0	21.1



Ant.0 – Power Level D1					
Item	band	WCDMA Band 2 result			
	ARFCN	Tune up	Ch.9538 (1907.6MHz)	Ch.9400 (1880MHz)	Ch.9262 (1852.4MHz)
WCDMA	\	23.0	21.9	21.9	21.9
HSUPA	1	20.5	19.4	19.3	19.4
	2	20.0	18.9	18.9	18.9
	3	21.0	19.9	19.9	19.9
	4	19.5	18.4	18.4	18.4
	5	21.0	19.9	19.9	19.9
HSDPA	1	22.0	20.9	20.9	21.0
	2	22.0	20.9	20.9	20.9
	3	21.5	20.5	20.4	20.4
	4	21.5	20.4	20.3	20.4



Ant.1 – Power Level A1					
Item	band	WCDMA Band 2 result			
	ARFCN	Tune up	Ch.9538 (1907.6MHz)	Ch.9400 (1880MHz)	Ch.9262 (1852.4MHz)
WCDMA	\	17.5	17.2	17.3	17.4
HSUPA	1	16.5	15.7	15.8	15.8
	2	17.0	16.2	16.3	16.3
	3	16.0	15.2	15.2	15.4
	4	17.0	16.2	16.3	16.3
	5	16.0	15.2	15.3	15.3
HSDPA	1	17.0	16.2	16.3	16.3
	2	17.0	16.2	16.3	16.3
	3	16.5	15.8	15.8	15.8
	4	16.5	15.7	15.8	15.8
Ant.1 – Power Level B1					
Item	band	WCDMA Band 2 result			
	ARFCN	Tune up	Ch.9538 (1907.6MHz)	Ch.9400 (1880MHz)	Ch.9262 (1852.4MHz)
WCDMA	\	17.0	16.6	16.6	16.7
HSUPA	1	16.0	15.1	15.1	15.1
	2	16.5	15.6	15.7	15.7
	3	15.5	14.6	14.6	14.7
	4	16.5	15.6	15.6	15.7
	5	15.5	14.5	14.6	14.6
HSDPA	1	16.5	15.6	15.6	15.7
	2	16.5	15.6	15.7	15.7
	3	16.0	15.1	15.2	15.2
	4	16.0	15.1	15.2	15.2



Ant.1 – Power Level C1					
Item	band	WCDMA Band 2 result			
	ARFCN	Tune up	Ch.9538 (1907.6MHz)	Ch.9400 (1880MHz)	Ch.9262 (1852.4MHz)
WCDMA	\	21.5	21.0	21.0	21.1
HSUPA	1	20.0	19.2	19.2	19.2
	2	19.5	18.6	18.7	18.8
	3	20.5	19.7	19.7	19.8
	4	19.0	18.3	18.3	18.3
	5	20.5	19.7	19.7	19.7
HSDPA	1	21.5	20.7	20.7	20.8
	2	21.5	20.6	20.7	20.8
	3	21.0	20.2	20.2	20.3
	4	21.0	20.1	20.2	20.2
Ant.1 – Power Level D1					
Item	band	WCDMA Band 2 result			
	ARFCN	Tune up	Ch.9538 (1907.6MHz)	Ch.9400 (1880MHz)	Ch.9262 (1852.4MHz)
WCDMA	\	20.5	20.1	20.1	20.2
HSUPA	1	18.5	17.9	17.9	17.9
	2	18.0	17.4	17.4	17.5
	3	19.0	18.4	18.4	18.5
	4	17.5	17.0	17.0	17.0
	5	19.0	18.4	18.4	18.4
HSDPA	1	20.0	19.4	19.5	19.5
	2	20.0	19.3	19.4	19.5
	3	19.5	18.9	18.9	19.0
	4	19.5	18.8	18.9	19.0



Ant.0 – Power Level A1/B1					
Item	band	WCDMA Band 4 result			
	ARFCN	Tune up	Ch.1513 (1752.6MHz)	Ch.1413 (1732.6MHz)	Ch.1312 (1712.4MHz)
WCDMA	\	24.0	22.9	23.0	23.0
HSUPA	1	21.5	20.3	20.5	20.5
	2	21.0	19.8	19.9	20.0
	3	22.0	20.9	21.0	21.0
	4	20.5	19.4	19.5	19.5
	5	22.0	20.8	20.9	21.0
HSDPA	1	23.0	21.8	22.0	22.1
	2	23.0	21.8	22.0	22.0
	3	22.5	21.4	21.5	21.6
	4	22.5	21.3	21.5	21.5
Ant.0 – Power Level C1					
Item	band	WCDMA Band 4 result			
	ARFCN	Tune up	Ch.1513 (1752.6MHz)	Ch.1413 (1732.6MHz)	Ch.1312 (1712.4MHz)
WCDMA	\	23.5	22.4	22.5	22.5
HSUPA	1	21.0	19.8	20.0	20.0
	2	20.5	19.3	19.4	19.5
	3	21.5	20.4	20.5	20.5
	4	20.0	18.9	19.0	19.0
	5	21.5	20.3	20.4	20.5
HSDPA	1	22.5	21.3	21.5	21.6
	2	22.5	21.3	21.5	21.5
	3	22.0	20.9	21.0	21.1
	4	22.0	20.8	21.0	21.0



Ant.0 – Power Level D1					
Item	band	WCDMA Band 4 result			
	ARFCN	Tune up	Ch.1513 (1752.6MHz)	Ch.1413 (1732.6MHz)	Ch.1312 (1712.4MHz)
WCDMA	\	23.0	21.6	21.7	21.6
HSUPA	1	20.5	19.1	19.1	19.0
	2	20.0	18.6	18.6	18.5
	3	21.0	19.6	19.7	19.5
	4	19.5	18.2	18.2	18.1
	5	21.0	19.6	19.7	19.4
HSDPA	1	22.0	20.6	20.7	20.6
	2	22.0	20.6	20.7	20.6
	3	21.5	20.1	20.2	20.1
	4	21.5	20.1	20.2	20.0



Ant.1 – Power Level A1/B1					
Item	band	WCDMA Band 4 result			
	ARFCN	Tune up	Ch.1513 (1752.6MHz)	Ch.1413 (1732.6MHz)	Ch.1312 (1712.4MHz)
WCDMA	\	16.5	15.6	15.7	15.8
HSUPA	1	15.0	14.1	14.2	14.2
	2	15.5	14.7	14.7	14.8
	3	14.5	13.7	13.7	13.9
	4	15.5	14.6	14.7	14.8
	5	14.5	13.5	13.7	13.8
HSDPA	1	15.5	14.6	14.7	14.8
	2	15.5	14.6	14.7	14.8
	3	15.0	14.2	14.2	14.3
	4	15.0	14.2	14.2	14.3
Ant.1 – Power Level C1					
Item	band	WCDMA Band 4 result			
	ARFCN	Tune up	Ch.1513 (1752.6MHz)	Ch.1413 (1732.6MHz)	Ch.1312 (1712.4MHz)
WCDMA	\	21.0	20.2	20.3	20.3
HSUPA	1	18.5	17.7	17.7	17.9
	2	18.0	17.2	17.2	17.3
	3	19.0	18.2	18.2	18.3
	4	17.5	16.7	16.8	16.9
	5	19.0	18.2	18.3	18.3
HSDPA	1	20.0	19.2	19.3	19.3
	2	20.0	19.1	19.2	19.4
	3	19.5	18.7	18.8	18.9
	4	19.5	18.6	18.7	18.9



Ant.1 – Power Level D1					
Item	band	WCDMA Band 4 result			
	ARFCN	Tune up	Ch.1513 (1752.6MHz)	Ch.1413 (1732.6MHz)	Ch.1312 (1712.4MHz)
WCDMA	\	20.5	19.7	19.8	19.8
HSUPA	1	18.0	17.2	17.2	17.4
	2	17.5	16.7	16.7	16.8
	3	18.5	17.7	17.7	17.8
	4	17.0	16.2	16.3	16.4
	5	18.5	17.7	17.8	17.8
HSDPA	1	19.5	18.7	18.8	18.8
	2	19.5	18.6	18.7	18.9
	3	19.0	18.2	18.3	18.4
	4	19.0	18.1	18.2	18.4



Ant.0 – Power Level A1/B1/C1/D1					
Item	band	WCDMA Band 5 result			
	ARFCN	Tune up	Ch.4233 (846.6MHz)	Ch.4183 (836.6MHz)	Ch.4132 (826.4MHz)
WCDMA	\	24.5	23.5	23.6	23.6
HSUPA	1	22.0	21.0	21.1	21.1
	2	22.0	20.4	20.5	20.6
	3	22.5	21.5	21.6	21.7
	4	21.0	20.0	20.1	20.2
	5	22.5	21.6	21.5	21.6
HSDPA	1	23.5	22.5	22.6	22.6
	2	23.5	22.5	22.6	22.6
	3	23.0	22.0	22.1	22.1
	4	23.0	22.0	22.1	22.1



Ant.1 – Power Level A1/B1					
Item	band	WCDMA Band 5 result			
	ARFCN	Tune up	Ch.4233 (846.6MHz)	Ch.4182 (836.4MHz)	Ch.4132 (826.4MHz)
WCDMA	\	23.5	22.4	22.5	22.5
HSUPA	1	21.0	19.9	20.1	20.2
	2	21.0	19.5	19.6	19.7
	3	21.5	20.4	20.5	20.5
	4	20.0	19.1	19.2	19.2
	5	21.5	20.5	20.5	20.4
HSDPA	1	22.5	21.4	21.5	21.5
	2	22.5	21.4	21.5	21.5
	3	22.0	20.9	21.1	21.0
	4	22.0	20.9	21.0	21.0
Ant.1 – Power Level C1/D1					
Item	band	WCDMA Band 5 result			
	ARFCN	Tune up	Ch.4233 (846.6MHz)	Ch.4182 (836.4MHz)	Ch.4132 (826.4MHz)
WCDMA	\	24.5	23.5	23.6	23.6
HSUPA	1	22.0	20.9	21.1	21.1
	2	22.0	20.4	20.6	20.6
	3	22.5	21.5	21.6	21.6
	4	21.0	20.0	20.1	20.3
	5	22.5	21.5	21.5	21.5
HSDPA	1	23.5	22.5	22.6	22.5
	2	23.5	22.4	22.6	22.6
	3	23.0	22.0	22.1	22.1
	4	23.0	21.9	22.0	22.1

10.3. LTE Measurement result

According to April 2015 TCB workshop, SAR Test exclusion can be applied for testing overlapping LTE Bands as follows:

- a) The maximum out power, including tolerance, for the smaller band must be \leq the larger band to qualify for SAR test exclusion.
- b) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.

LTE Band 17 (704-716 MHz) is covered by LTE Band 12 (699-716 MHz)

Table 10.3: The conducted Power for LTE

LTE Band 2 Ant.0

Ant.0 – Power Level A1/B1/C1											
LTE Band 2			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	1909.3	22.62	21.84	20.82	23.5	22.5	21.5			
		1880.0	22.66	21.96	20.78						
		1850.7	22.65	21.81	20.70						
	1RB_3	1909.3	22.67	21.78	20.81						
		1880.0	22.71	21.94	20.81						
		1850.7	22.64	21.82	20.74						
	1RB_0	1909.3	22.66	21.87	20.78						
		1880.0	22.79	21.90	20.70						
		1850.7	22.68	21.77	20.61						
	3RB_3	1909.3	22.70	21.69	20.69						
		1880.0	22.71	21.70	20.68						
		1850.7	22.62	21.61	20.70						
	3RB_1	1909.3	22.71	21.73	20.74						
		1880.0	22.75	21.71	20.75						
		1850.7	22.62	21.60	20.69						
	3RB_0	1909.3	22.71	21.74	20.70						
		1880.0	22.70	21.72	20.78						
		1850.7	22.63	21.62	20.69						
	6RB_0	1909.3	21.67	20.74	19.59				22.5	21.5	20.5
		1880.0	21.73	20.75	19.69						
		1850.7	21.65	20.66	19.61						



Ant.0 – Power Level A1/B1/C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1908.5	22.67	21.88	20.78	23.5	22.5	21.5
		1880.0	22.69	21.93	20.82			
		1851.5	22.66	21.97	20.85			
	1RB_7	1908.5	22.73	21.87	20.82			
		1880.0	22.74	21.99	20.88			
		1851.5	22.64	21.92	20.72			
	1RB_0	1908.5	22.72	21.86	20.64			
		1880.0	22.75	21.83	20.82			
		1851.5	22.60	21.77	20.73			
	8RB_7	1908.5	21.67	20.69	19.68	22.5	21.5	20.5
		1880.0	21.64	20.71	19.67			
		1851.5	21.62	20.66	19.67			
	8RB_4	1908.5	21.68	20.70	19.65			
		1880.0	21.66	20.70	19.65			
		1851.5	21.63	20.68	19.60			
	8RB_0	1908.5	21.66	20.75	19.68			
		1880.0	21.70	20.77	19.70			
		1851.5	21.62	20.70	19.67			
	15RB_0	1908.5	21.65	20.71	19.61			
		1880.0	21.66	20.66	19.59			
		1851.5	21.62	20.65	19.63			



Ant.0 – Power Level A1/B1/C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1907.5	22.65	21.75	20.86	23.5	22.5	21.5
		1880.0	22.70	21.88	20.77			
		1852.5	22.78	21.95	20.82			
	1RB_12	1907.5	22.70	21.79	20.88			
		1880.0	22.81	21.91	20.81			
		1852.5	22.78	21.98	20.94			
	1RB_0	1907.5	22.66	21.81	20.70			
		1880.0	22.76	21.93	20.83			
		1852.5	22.68	21.84	20.81			
	12RB_13	1907.5	21.64	20.63	19.67	22.5	21.5	20.5
		1880.0	21.67	20.65	19.67			
		1852.5	21.67	20.64	19.67			
	12RB_6	1907.5	21.69	20.63	19.69			
		1880.0	21.69	20.69	19.69			
		1852.5	21.65	20.65	19.63			
	12RB_0	1907.5	21.68	20.64	19.69			
		1880.0	21.73	20.70	19.75			
		1852.5	21.64	20.63	19.64			
	25RB_0	1907.5	21.69	20.69	19.65			
		1880.0	21.73	20.71	19.68			
		1852.5	21.67	20.67	19.59			



Ant.0 – Power Level A1/B1/C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1905.0	22.75	21.86	20.81	23.5	22.5	21.5
		1880.0	22.70	21.82	20.83			
		1855.0	22.71	21.84	20.66			
	1RB_24	1905.0	22.70	21.86	20.81			
		1880.0	22.77	21.83	20.75			
		1855.0	22.81	21.96	20.77			
	1RB_0	1905.0	22.69	21.85	20.73			
		1880.0	22.79	21.97	20.88			
		1855.0	22.73	21.90	20.80			
	25RB_25	1905.0	21.63	20.67	19.62	22.5	21.5	20.5
		1880.0	21.71	20.68	19.68			
		1855.0	21.70	20.67	19.63			
	25RB_12	1905.0	21.64	20.65	19.59			
		1880.0	21.70	20.68	19.66			
		1855.0	21.66	20.66	19.64			
	25RB_0	1905.0	21.75	20.77	19.72			
		1880.0	21.75	20.78	19.76			
		1855.0	21.62	20.60	19.58			
	50RB_0	1905.0	21.69	20.70	19.68			
		1880.0	21.74	20.73	19.70			
		1855.0	21.68	20.64	19.62			



Ant.0 – Power Level A1/B1/C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1902.5	22.61	21.91	20.73	23.5	22.5	21.5
		1880.0	22.71	21.84	20.75			
		1857.5	22.66	21.64	20.71			
	1RB_37	1902.5	22.61	21.85	20.78			
		1880.0	22.76	21.98	20.92			
		1857.5	22.72	21.80	20.80			
	1RB_0	1902.5	22.68	21.88	20.70			
		1880.0	22.83	21.95	20.95			
		1857.5	22.68	21.83	20.61			
	36RB_38	1902.5	21.63	20.60	19.58	22.5	21.5	20.5
		1880.0	21.69	20.71	19.69			
		1857.5	21.65	20.64	19.63			
	36RB_19	1902.5	21.67	20.67	19.64			
		1880.0	21.72	20.69	19.73			
		1857.5	21.67	20.64	19.66			
	36RB_0	1902.5	21.69	20.64	19.64			
		1880.0	21.76	20.77	19.75			
		1857.5	21.64	20.63	19.64			
	75RB_0	1902.5	21.67	20.65	19.59			
		1880.0	21.70	20.67	19.68			
		1857.5	21.64	20.62	19.59			



Ant.0 – Power Level A1/B1/C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1900.0	22.59	21.76	20.75	23.5	22.5	21.5
		1880.0	22.63	21.75	20.72			
		1860.0	22.67	21.78	20.69			
	1RB_50	1900.0	22.70	21.82	20.80			
		1880.0	22.80	21.81	20.82			
		1860.0	22.77	21.93	20.80			
	1RB_0	1900.0	22.65	21.68	20.61			
		1880.0	22.76	21.96	20.77			
		1860.0	22.67	21.90	20.70			
	50RB_50	1900.0	21.59	20.58	19.55	22.5	21.5	20.5
		1880.0	21.74	20.73	19.71			
		1860.0	21.56	20.58	19.56			
	50RB_25	1900.0	21.72	20.74	19.67			
		1880.0	21.79	20.75	19.67			
		1860.0	21.69	20.67	19.68			
	50RB_0	1900.0	21.71	20.69	19.68			
		1880.0	21.78	20.81	19.77			
		1860.0	21.66	20.65	19.58			
	100RB_0	1900.0	21.58	20.59	19.54			
		1880.0	21.76	20.76	19.73			
		1860.0	21.64	20.59	19.56			



Ant.0 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1909.3	22.26	21.89	20.80	23.0	22.5	21.5
		1880.0	22.25	21.78	20.76			
		1850.7	22.13	21.81	20.76			
	1RB_3	1909.3	22.25	21.85	20.79			
		1880.0	22.23	21.80	20.78			
		1850.7	22.13	21.89	20.77			
	1RB_0	1909.3	22.21	21.77	20.72			
		1880.0	22.23	21.82	20.80			
		1850.7	22.17	21.90	20.78			
	3RB_3	1909.3	22.19	21.73	20.73			
		1880.0	22.19	21.65	20.69			
		1850.7	22.20	21.67	20.80			
	3RB_1	1909.3	22.20	21.69	20.75			
		1880.0	22.26	21.68	20.78			
		1850.7	22.21	21.60	20.67			
	3RB_0	1909.3	22.22	21.71	20.75			
		1880.0	22.25	21.69	20.77			
		1850.7	22.22	21.62	20.77			
	6RB_0	1909.3	21.69	20.73	19.61	22.5	21.5	20.5
		1880.0	21.70	20.74	19.64			
		1850.7	21.66	20.70	19.54			



Ant.0 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1908.5	22.22	21.73	20.78	23.0	22.5	21.5
		1880.0	22.17	21.93	20.68			
		1851.5	22.31	21.93	20.81			
	1RB_7	1908.5	22.18	21.74	20.80			
		1880.0	22.25	21.87	20.84			
		1851.5	22.16	21.84	20.76			
	1RB_0	1908.5	22.20	21.76	20.67			
		1880.0	22.30	21.91	20.82			
		1851.5	22.15	21.81	20.74			
	8RB_7	1908.5	21.66	20.72	19.66	22.5	21.5	20.5
		1880.0	21.60	20.68	19.61			
		1851.5	21.62	20.65	19.65			
	8RB_4	1908.5	21.66	20.71	19.67			
		1880.0	21.66	20.73	19.62			
		1851.5	21.61	20.65	19.63			
	8RB_0	1908.5	21.64	20.71	19.68			
		1880.0	21.70	20.74	19.75			
		1851.5	21.63	20.62	19.62			
	15RB_0	1908.5	21.66	20.74	19.57			
		1880.0	21.65	20.69	19.61			
		1851.5	21.61	20.64	19.58			



Ant.0 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1907.5	22.23	21.83	20.78	23.0	22.5	21.5
		1880.0	22.26	21.89	20.81			
		1852.5	22.26	21.84	20.72			
	1RB_12	1907.5	22.23	21.83	20.71			
		1880.0	22.34	21.94	20.87			
		1852.5	22.31	22.03	20.91			
	1RB_0	1907.5	22.30	21.71	20.70			
		1880.0	22.34	21.94	20.91			
		1852.5	22.17	21.84	20.69			
	12RB_13	1907.5	21.67	20.64	19.62	22.5	21.5	20.5
		1880.0	21.67	20.67	19.67			
		1852.5	21.68	20.64	19.64			
	12RB_6	1907.5	21.66	20.63	19.64			
		1880.0	21.70	20.67	19.66			
		1852.5	21.64	20.62	19.62			
	12RB_0	1907.5	21.66	20.62	19.64			
		1880.0	21.71	20.67	19.73			
		1852.5	21.63	20.60	19.63			
	25RB_0	1907.5	21.69	20.68	19.63			
		1880.0	21.71	20.70	19.72			
		1852.5	21.66	20.62	19.59			



Ant.0 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1905.0	22.22	21.79	20.79	23.0	22.5	21.5
		1880.0	22.15	21.94	20.67			
		1855.0	22.23	21.77	20.61			
	1RB_24	1905.0	22.25	21.73	20.78			
		1880.0	22.26	21.90	20.74			
		1855.0	22.36	21.88	20.89			
	1RB_0	1905.0	22.27	21.75	20.57			
		1880.0	22.29	21.99	20.75			
		1855.0	22.27	21.90	20.81			
	25RB_25	1905.0	21.64	20.65	19.63	22.5	21.5	20.5
		1880.0	21.69	20.69	19.68			
		1855.0	21.65	20.67	19.60			
	25RB_12	1905.0	21.63	20.66	19.60			
		1880.0	21.67	20.68	19.65			
		1855.0	21.63	20.65	19.63			
	25RB_0	1905.0	21.74	20.74	19.71			
		1880.0	21.74	20.77	19.73			
		1855.0	21.62	20.61	19.58			
	50RB_0	1905.0	21.69	20.70	19.65			
		1880.0	21.72	20.67	19.63			
		1855.0	21.66	20.64	19.63			



Ant.0 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1902.5	22.08	21.82	20.69	23.0	22.5	21.5
		1880.0	22.16	21.88	20.72			
		1857.5	22.03	21.63	20.75			
	1RB_37	1902.5	22.12	21.77	20.69			
		1880.0	22.23	21.87	20.78			
		1857.5	22.17	21.76	20.74			
	1RB_0	1902.5	22.21	21.87	20.75			
		1880.0	22.28	21.91	20.83			
		1857.5	22.08	21.81	20.66			
	36RB_38	1902.5	21.61	20.56	19.59	22.5	21.5	20.5
		1880.0	21.66	20.64	19.68			
		1857.5	21.63	20.59	19.59			
	36RB_19	1902.5	21.63	20.62	19.66			
		1880.0	21.71	20.74	19.71			
		1857.5	21.67	20.66	19.63			
	36RB_0	1902.5	21.67	20.67	19.67			
		1880.0	21.72	20.78	19.73			
		1857.5	21.59	20.59	19.58			
	75RB_0	1902.5	21.65	20.63	19.61			
		1880.0	21.73	20.68	19.67			
		1857.5	21.65	20.59	19.56			



Ant.0 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1900.0	22.15	21.74	20.74	23.0	22.5	21.5
		1880.0	22.09	21.71	20.73			
		1860.0	22.20	21.76	20.69			
	1RB_50	1900.0	22.29	21.76	20.80			
		1880.0	22.30	21.81	20.75			
		1860.0	22.29	21.86	20.69			
	1RB_0	1900.0	22.10	21.75	20.80			
		1880.0	22.21	21.92	20.76			
		1860.0	22.20	21.88	20.76			
	50RB_50	1900.0	21.55	20.57	19.55	22.5	21.5	20.5
		1880.0	21.75	20.74	19.69			
		1860.0	21.56	20.59	19.52			
	50RB_25	1900.0	21.69	20.72	19.67			
		1880.0	21.76	20.72	19.67			
		1860.0	21.71	20.72	19.65			
	50RB_0	1900.0	21.71	20.68	19.66			
		1880.0	21.79	20.81	19.76			
		1860.0	21.64	20.60	19.61			
	100RB_0	1900.0	21.57	20.57	19.54			
		1880.0	21.77	20.72	19.69			
		1860.0	21.59	20.59	19.55			



LTE Band 2 Ant.1

Ant.1 – Power Level A1											
LTE Band 2			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	1909.3	16.74	16.88	16.95	17.5	17.5	17.5			
		1880.0	16.82	17.08	17.05						
		1850.7	16.80	17.09	16.88						
	1RB_3	1909.3	16.80	17.01	16.78						
		1880.0	16.86	17.08	17.05						
		1850.7	16.80	17.03	16.96						
	1RB_0	1909.3	16.81	17.01	16.89						
		1880.0	16.92	17.05	17.07						
		1850.7	16.74	17.07	16.96						
	3RB_3	1909.3	16.82	16.91	16.94						
		1880.0	16.83	16.90	16.98						
		1850.7	16.80	16.84	16.88						
	3RB_1	1909.3	16.81	16.89	16.90						
		1880.0	16.86	16.91	16.97						
		1850.7	16.77	16.81	16.94						
	3RB_0	1909.3	16.81	16.90	16.93						
		1880.0	16.90	16.91	17.02						
		1850.7	16.79	16.84	16.98						
	6RB_0	1909.3	16.86	16.93	16.85				17.5	17.5	17.5
		1880.0	16.91	16.94	16.86						
		1850.7	16.80	16.88	16.77						



Ant.1 – Power Level A1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1908.5	16.84	17.06	16.99	17.5	17.5	17.5
		1880.0	16.87	17.09	16.93			
		1851.5	16.88	17.16	16.97			
	1RB_7	1908.5	16.88	17.06	17.01			
		1880.0	16.87	17.14	17.05			
		1851.5	16.82	17.09	16.97			
	1RB_0	1908.5	16.80	16.94	16.93			
		1880.0	16.81	17.08	16.97			
		1851.5	16.74	17.13	16.92			
	8RB_7	1908.5	16.83	16.93	16.89	17.5	17.5	17.5
		1880.0	16.81	16.94	16.92			
		1851.5	16.81	16.92	16.88			
	8RB_4	1908.5	16.83	16.90	16.88			
		1880.0	16.81	16.92	16.90			
		1851.5	16.78	16.88	16.83			
	8RB_0	1908.5	16.85	16.91	16.90			
		1880.0	16.87	16.98	16.95			
		1851.5	16.83	16.93	16.88			
	15RB_0	1908.5	16.83	16.88	16.87			
		1880.0	16.83	16.88	16.85			
		1851.5	16.78	16.86	16.86			



Ant.1 – Power Level A1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1907.5	16.85	16.93	16.94	17.5	17.5	17.5
		1880.0	16.95	17.01	16.99			
		1852.5	16.88	17.17	17.05			
	1RB_12	1907.5	16.83	17.00	16.98			
		1880.0	16.89	17.02	17.02			
		1852.5	16.93	17.24	17.11			
	1RB_0	1907.5	16.85	17.00	16.93			
		1880.0	16.88	17.03	17.01			
		1852.5	16.80	17.04	17.00			
	12RB_13	1907.5	16.79	16.82	16.85	17.5	17.5	17.5
		1880.0	16.88	16.89	16.89			
		1852.5	16.87	16.85	16.94			
	12RB_6	1907.5	16.86	16.84	16.91			
		1880.0	16.90	16.94	16.99			
		1852.5	16.85	16.85	16.85			
	12RB_0	1907.5	16.88	16.87	16.98			
		1880.0	16.94	16.93	17.01			
		1852.5	16.85	16.81	16.86			
	25RB_0	1907.5	16.89	16.89	16.87			
		1880.0	16.91	16.94	16.92			
		1852.5	16.86	16.86	16.86			



Ant.1 – Power Level A1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1905.0	16.86	17.06	16.97	17.5	17.5	17.5
		1880.0	16.92	17.10	16.97			
		1855.0	16.81	17.10	16.92			
	1RB_24	1905.0	16.83	17.05	16.91			
		1880.0	16.90	17.05	16.98			
		1855.0	16.90	17.23	17.00			
	1RB_0	1905.0	16.81	17.06	16.86			
		1880.0	16.94	17.07	16.96			
		1855.0	16.84	16.94	16.96			
	25RB_25	1905.0	16.73	16.78	16.75	17.5	17.5	17.5
		1880.0	16.87	16.90	16.88			
		1855.0	16.94	16.96	16.95			
	25RB_12	1905.0	16.85	16.87	16.84			
		1880.0	16.88	16.90	16.88			
		1855.0	16.84	16.85	16.87			
	25RB_0	1905.0	16.97	17.00	16.98			
		1880.0	17.00	16.98	16.97			
		1855.0	16.80	16.77	16.81			
	50RB_0	1905.0	16.85	16.91	16.89			
		1880.0	16.93	16.90	16.92			
		1855.0	16.94	16.86	16.87			



Ant.1 – Power Level A1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1902.5	16.82	16.95	16.85	17.5	17.5	17.5
		1880.0	16.80	17.05	16.99			
		1857.5	16.77	17.07	16.99			
	1RB_37	1902.5	16.82	17.05	17.03			
		1880.0	16.88	17.05	17.05			
		1857.5	16.81	17.20	17.01			
	1RB_0	1902.5	16.81	17.06	16.91			
		1880.0	16.88	17.09	17.11			
		1857.5	16.79	17.12	16.93			
	36RB_38	1902.5	16.72	16.74	16.78	17.5	17.5	17.5
		1880.0	16.84	16.90	16.92			
		1857.5	16.88	16.92	16.93			
	36RB_19	1902.5	16.82	16.86	16.86			
		1880.0	16.93	16.91	16.95			
		1857.5	16.85	16.90	16.89			
	36RB_0	1902.5	16.81	16.83	16.85			
		1880.0	16.99	17.00	17.00			
		1857.5	16.76	16.75	16.81			
	75RB_0	1902.5	16.77	16.80	16.79			
		1880.0	16.88	16.92	16.93			
		1857.5	16.88	16.85	16.83			



Ant.1 – Power Level A1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1900.0	16.80	16.94	16.90	17.5	17.5	17.5
		1880.0	16.80	17.05	17.00			
		1860.0	16.86	16.94	16.80			
	1RB_50	1900.0	16.87	17.05	17.00			
		1880.0	16.96	17.10	17.01			
		1860.0	16.88	17.14	16.83			
	1RB_0	1900.0	16.81	17.00	16.79			
		1880.0	16.94	17.12	16.97			
		1860.0	16.78	17.07	16.86			
	50RB_50	1900.0	16.64	16.64	16.67	17.5	17.5	17.5
		1880.0	16.97	16.93	16.91			
		1860.0	16.82	16.83	16.83			
	50RB_25	1900.0	16.91	16.89	16.90			
		1880.0	16.94	16.92	16.93			
		1860.0	16.93	16.87	16.91			
	50RB_0	1900.0	16.74	16.75	16.73			
		1880.0	17.08	17.08	17.08			
		1860.0	16.75	16.73	16.67			
	100RB_0	1900.0	16.66	16.63	16.64			
		1880.0	17.03	17.02	17.02			
		1860.0	16.76	16.74	16.75			



Ant.1 – Power Level B1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1909.3	16.26	16.59	16.47	17.0	17.0	17.0
		1880.0	16.33	16.49	16.39			
		1850.7	16.31	16.55	16.34			
	1RB_3	1909.3	16.29	16.55	16.51			
		1880.0	16.33	16.56	16.40			
		1850.7	16.30	16.58	16.37			
	1RB_0	1909.3	16.28	16.51	16.54			
		1880.0	16.31	16.55	16.43			
		1850.7	16.27	16.56	16.37			
	3RB_3	1909.3	16.37	16.35	16.45			
		1880.0	16.35	16.32	16.45			
		1850.7	16.28	16.31	16.39			
	3RB_1	1909.3	16.33	16.34	16.49			
		1880.0	16.38	16.36	16.49			
		1850.7	16.29	16.31	16.38			
	3RB_0	1909.3	16.35	16.33	16.47			
		1880.0	16.35	16.40	16.52			
		1850.7	16.29	16.32	16.39			
	6RB_0	1909.3	16.37	16.42	16.33			
		1880.0	16.41	16.47	16.35			
		1850.7	16.31	16.38	16.29			



Ant.1 – Power Level B1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1908.5	16.29	16.56	16.54	17.0	17.0	17.0
		1880.0	16.31	16.68	16.56			
		1851.5	16.32	16.65	16.53			
	1RB_7	1908.5	16.31	16.56	16.50			
		1880.0	16.36	16.70	16.57			
		1851.5	16.24	16.61	16.47			
	1RB_0	1908.5	16.28	16.57	16.48			
		1880.0	16.34	16.66	16.55			
		1851.5	16.24	16.55	16.45			
	8RB_7	1908.5	16.32	16.39	16.43	17.0	17.0	17.0
		1880.0	16.33	16.36	16.40			
		1851.5	16.26	16.39	16.35			
	8RB_4	1908.5	16.33	16.41	16.45			
		1880.0	16.30	16.40	16.37			
		1851.5	16.27	16.38	16.31			
	8RB_0	1908.5	16.33	16.41	16.45			
		1880.0	16.36	16.42	16.44			
		1851.5	16.29	16.37	16.29			
	15RB_0	1908.5	16.31	16.38	16.35			
		1880.0	16.32	16.40	16.38			
		1851.5	16.29	16.35	16.31			



Ant.1 – Power Level B1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1907.5	16.38	16.46	16.47	17.0	17.0	17.0
		1880.0	16.39	16.65	16.40			
		1852.5	16.37	16.55	16.46			
	1RB_12	1907.5	16.38	16.47	16.56			
		1880.0	16.39	16.62	16.47			
		1852.5	16.41	16.54	16.50			
	1RB_0	1907.5	16.34	16.43	16.50			
		1880.0	16.40	16.65	16.42			
		1852.5	16.28	16.53	16.42			
	12RB_13	1907.5	16.28	16.27	16.34	17.0	17.0	17.0
		1880.0	16.40	16.36	16.37			
		1852.5	16.35	16.37	16.39			
	12RB_6	1907.5	16.35	16.36	16.45			
		1880.0	16.39	16.39	16.39			
		1852.5	16.32	16.33	16.35			
	12RB_0	1907.5	16.39	16.39	16.43			
		1880.0	16.40	16.43	16.47			
		1852.5	16.28	16.30	16.32			
	25RB_0	1907.5	16.34	16.37	16.38			
		1880.0	16.39	16.41	16.42			
		1852.5	16.34	16.33	16.34			



Ant.1 – Power Level B1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1905.0	16.30	16.47	16.51	17.0	17.0	17.0
		1880.0	16.36	16.54	16.54			
		1855.0	16.33	16.53	16.48			
	1RB_24	1905.0	16.31	16.51	16.56			
		1880.0	16.42	16.58	16.57			
		1855.0	16.41	16.65	16.55			
	1RB_0	1905.0	16.28	16.50	16.57			
		1880.0	16.44	16.62	16.55			
		1855.0	16.32	16.56	16.48			
	25RB_25	1905.0	16.24	16.27	16.23	17.0	17.0	17.0
		1880.0	16.31	16.36	16.40			
		1855.0	16.45	16.42	16.42			
	25RB_12	1905.0	16.33	16.36	16.33			
		1880.0	16.36	16.38	16.39			
		1855.0	16.31	16.33	16.34			
	25RB_0	1905.0	16.48	16.48	16.45			
		1880.0	16.46	16.46	16.46			
		1855.0	16.23	16.24	16.29			
	50RB_0	1905.0	16.36	16.37	16.37			
		1880.0	16.40	16.37	16.40			
		1855.0	16.40	16.34	16.36			



Ant.1 – Power Level B1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1902.5	16.25	16.54	16.37	17.0	17.0	17.0
		1880.0	16.27	16.66	16.41			
		1857.5	16.26	16.52	16.43			
	1RB_37	1902.5	16.28	16.61	16.43			
		1880.0	16.35	16.67	16.49			
		1857.5	16.29	16.62	16.48			
	1RB_0	1902.5	16.31	16.64	16.51			
		1880.0	16.34	16.69	16.52			
		1857.5	16.28	16.61	16.45			
	36RB_38	1902.5	16.22	16.21	16.24	17.0	17.0	17.0
		1880.0	16.32	16.32	16.36			
		1857.5	16.38	16.39	16.45			
	36RB_19	1902.5	16.32	16.35	16.38			
		1880.0	16.38	16.37	16.45			
		1857.5	16.32	16.35	16.36			
	36RB_0	1902.5	16.33	16.33	16.34			
		1880.0	16.48	16.45	16.47			
		1857.5	16.22	16.29	16.28			
	75RB_0	1902.5	16.26	16.29	16.27			
		1880.0	16.40	16.39	16.41			
		1857.5	16.36	16.34	16.33			



Ant.1 – Power Level B1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1900.0	16.31	16.57	16.40	17.0	17.0	17.0
		1880.0	16.30	16.47	16.51			
		1860.0	16.28	16.56	16.38			
	1RB_50	1900.0	16.36	16.58	16.58			
		1880.0	16.38	16.58	16.53			
		1860.0	16.36	16.70	16.50			
	1RB_0	1900.0	16.32	16.61	16.55			
		1880.0	16.37	16.63	16.59			
		1860.0	16.26	16.65	16.39			
	50RB_50	1900.0	16.11	16.12	16.14	17.0	17.0	17.0
		1880.0	16.40	16.43	16.40			
		1860.0	16.27	16.28	16.28			
	50RB_25	1900.0	16.35	16.38	16.38			
		1880.0	16.44	16.40	16.39			
		1860.0	16.42	16.38	16.36			
	50RB_0	1900.0	16.26	16.23	16.22			
		1880.0	16.52	16.58	16.58			
		1860.0	16.20	16.18	16.15			
	100RB_0	1900.0	16.14	16.13	16.15			
		1880.0	16.48	16.49	16.49			
		1860.0	16.19	16.21	16.26			



Ant.1 – Power Level C1											
LTE Band 2			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	1909.3	20.43	20.55	20.52	21.0	21.0	21.0			
		1880.0	20.47	20.59	20.53						
		1850.7	20.37	20.68	20.60						
	1RB_3	1909.3	20.43	20.58	20.49						
		1880.0	20.50	20.65	20.56						
		1850.7	20.40	20.71	20.62						
	1RB_0	1909.3	20.43	20.54	20.51						
		1880.0	20.47	20.55	20.50						
		1850.7	20.39	20.68	20.63						
	3RB_3	1909.3	20.44	20.45	20.39						
		1880.0	20.44	20.44	20.36						
		1850.7	20.39	20.45	20.42						
	3RB_1	1909.3	20.46	20.45	20.38						
		1880.0	20.47	20.51	20.44						
		1850.7	20.42	20.47	20.40						
	3RB_0	1909.3	20.44	20.50	20.46						
		1880.0	20.47	20.51	20.44						
		1850.7	20.40	20.42	20.46						
	6RB_0	1909.3	20.42	20.46	19.90				21.0	21.0	20.5
		1880.0	20.47	20.53	19.98						
		1850.7	20.40	20.50	19.97						



Ant.1 – Power Level C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1908.5	20.41	20.56	20.50	21.0	21.0	21.0
		1880.0	20.41	20.64	20.60			
		1851.5	20.40	20.67	20.59			
	1RB_7	1908.5	20.46	20.56	20.52			
		1880.0	20.49	20.65	20.62			
		1851.5	20.43	20.62	20.57			
	1RB_0	1908.5	20.37	20.52	20.44			
		1880.0	20.39	20.63	20.57			
		1851.5	20.36	20.62	20.60			
	8RB_7	1908.5	20.44	20.51	19.94	21.0	21.0	20.5
		1880.0	20.44	20.49	19.97			
		1851.5	20.40	20.48	19.91			
	8RB_4	1908.5	20.44	20.53	19.94			
		1880.0	20.44	20.49	19.95			
		1851.5	20.39	20.50	19.98			
	8RB_0	1908.5	20.50	20.55	19.96			
		1880.0	20.48	20.54	19.91			
		1851.5	20.42	20.50	19.96			
	15RB_0	1908.5	20.44	20.47	19.98			
		1880.0	20.42	20.50	19.95			
		1851.5	20.42	20.47	19.93			



Ant.1 – Power Level C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1907.5	20.49	20.69	20.65	21.0	21.0	21.0
		1880.0	20.49	20.68	20.59			
		1852.5	20.50	20.77	20.74			
	1RB_12	1907.5	20.53	20.67	20.62			
		1880.0	20.50	20.70	20.62			
		1852.5	20.51	20.83	20.80			
	1RB_0	1907.5	20.44	20.66	20.58			
		1880.0	20.57	20.68	20.65			
		1852.5	20.41	20.74	20.67			
	12RB_13	1907.5	20.42	20.40	19.87	21.0	21.0	20.5
		1880.0	20.45	20.47	19.96			
		1852.5	20.52	20.45	19.87			
	12RB_6	1907.5	20.46	20.45	19.91			
		1880.0	20.50	20.50	19.95			
		1852.5	20.44	20.42	19.87			
	12RB_0	1907.5	20.52	20.50	19.95			
		1880.0	20.51	20.50	19.92			
		1852.5	20.45	20.39	19.81			
	25RB_0	1907.5	20.49	20.51	19.99			
		1880.0	20.50	20.52	19.94			
		1852.5	20.47	20.51	19.97			



Ant.1 – Power Level C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1905.0	20.46	20.64	20.57	21.0	21.0	21.0
		1880.0	20.47	20.71	20.69			
		1855.0	20.44	20.77	20.69			
	1RB_24	1905.0	20.48	20.66	20.63			
		1880.0	20.53	20.76	20.71			
		1855.0	20.50	20.91	20.86			
	1RB_0	1905.0	20.42	20.68	20.62			
		1880.0	20.58	20.76	20.67			
		1855.0	20.42	20.80	20.72			
	25RB_25	1905.0	20.37	20.36	19.78	21.0	21.0	20.5
		1880.0	20.47	20.46	19.90			
		1855.0	20.56	20.56	19.98			
	25RB_12	1905.0	20.41	20.46	19.87			
		1880.0	20.46	20.51	19.91			
		1855.0	20.44	20.45	19.86			
	25RB_0	1905.0	20.57	20.60	19.99			
		1880.0	20.58	20.58	19.92			
		1855.0	20.37	20.40	19.84			
	50RB_0	1905.0	20.46	20.52	19.93			
		1880.0	20.52	20.48	19.91			
		1855.0	20.50	20.50	19.91			



Ant.1 – Power Level C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1902.5	20.31	20.53	20.40	21.0	21.0	21.0
		1880.0	20.35	20.63	20.43			
		1857.5	20.34	20.59	20.47			
	1RB_37	1902.5	20.35	20.58	20.44			
		1880.0	20.45	20.64	20.46			
		1857.5	20.39	20.69	20.56			
	1RB_0	1902.5	20.33	20.65	20.45			
		1880.0	20.43	20.63	20.64			
		1857.5	20.35	20.65	20.57			
	36RB_38	1902.5	20.25	20.27	19.83	21.0	21.0	20.5
		1880.0	20.42	20.44	19.90			
		1857.5	20.46	20.46	19.98			
	36RB_19	1902.5	20.38	20.39	19.92			
		1880.0	20.47	20.45	19.98			
		1857.5	20.40	20.41	19.90			
	36RB_0	1902.5	20.37	20.34	19.91			
		1880.0	20.49	20.52	19.93			
		1857.5	20.28	20.32	19.85			
	75RB_0	1902.5	20.33	20.36	19.78			
		1880.0	20.49	20.45	19.95			
		1857.5	20.44	20.39	19.89			



Ant.1 – Power Level C1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1900.0	20.33	20.57	20.50	21.0	21.0	21.0
		1880.0	20.31	20.58	20.53			
		1860.0	20.30	20.55	20.45			
	1RB_50	1900.0	20.41	20.67	20.59			
		1880.0	20.49	20.66	20.62			
		1860.0	20.40	20.71	20.54			
	1RB_0	1900.0	20.32	20.66	20.53			
		1880.0	20.44	20.63	20.62			
		1860.0	20.30	20.65	20.50			
	50RB_50	1900.0	20.15	20.20	19.68	21.0	21.0	20.5
		1880.0	20.42	20.42	19.94			
		1860.0	20.39	20.39	19.85			
	50RB_25	1900.0	20.42	20.43	19.93			
		1880.0	20.45	20.44	19.96			
		1860.0	20.45	20.44	19.93			
	50RB_0	1900.0	20.28	20.27	19.76			
		1880.0	20.61	20.61	19.98			
		1860.0	20.29	20.24	19.71			
	100RB_0	1900.0	20.19	20.18	19.70			
		1880.0	20.55	20.52	19.95			
		1860.0	20.31	20.30	19.83			



Ant.1 – Power Level D1											
LTE Band 2			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	1909.3	19.93	20.17	20.11	20.5	20.5	20.5			
		1880.0	19.97	20.14	20.09						
		1850.7	19.84	20.17	20.14						
	1RB_3	1909.3	19.97	20.21	20.17						
		1880.0	19.98	20.17	20.08						
		1850.7	19.88	20.17	20.14						
	1RB_0	1909.3	19.92	20.15	20.09						
		1880.0	19.98	20.16	20.09						
		1850.7	19.85	20.19	20.12						
	3RB_3	1909.3	19.90	19.91	19.84						
		1880.0	19.88	19.93	19.87						
		1850.7	19.88	19.86	19.80						
	3RB_1	1909.3	19.89	19.93	19.89						
		1880.0	19.90	19.95	19.88						
		1850.7	19.84	19.87	19.81						
	3RB_0	1909.3	19.93	19.98	19.93						
		1880.0	19.88	20.01	19.91						
		1850.7	19.85	19.84	19.80						
	6RB_0	1909.3	19.93	20.00	19.93				20.5	20.5	20.5
		1880.0	19.96	20.03	19.95						
		1850.7	19.89	19.95	19.86						



Ant.1 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1908.5	19.93	20.16	20.11	20.5	20.5	20.5
		1880.0	19.93	20.18	20.11			
		1851.5	19.92	20.27	20.24			
	1RB_7	1908.5	20.03	20.18	20.10			
		1880.0	19.99	20.23	20.20			
		1851.5	19.94	20.28	20.23			
	1RB_0	1908.5	19.95	20.15	20.09			
		1880.0	19.96	20.26	20.24			
		1851.5	19.88	20.26	20.20			
	8RB_7	1908.5	19.86	20.00	19.94	20.5	20.5	20.5
		1880.0	19.86	19.95	19.87			
		1851.5	19.84	19.92	19.88			
	8RB_4	1908.5	19.90	19.99	19.96			
		1880.0	19.88	19.97	19.87			
		1851.5	19.87	19.93	19.90			
	8RB_0	1908.5	19.89	19.97	19.94			
		1880.0	19.92	20.02	19.98			
		1851.5	19.85	19.91	19.87			
	15RB_0	1908.5	19.89	19.96	19.91			
		1880.0	19.90	19.93	19.83			
		1851.5	19.87	19.92	19.83			



Ant.1 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1907.5	19.93	20.21	20.18	20.5	20.5	20.5
		1880.0	19.91	20.19	20.14			
		1852.5	19.98	20.28	20.20			
	1RB_12	1907.5	19.91	20.20	20.14			
		1880.0	19.99	20.26	20.17			
		1852.5	20.01	20.34	20.30			
	1RB_0	1907.5	19.87	20.13	20.04			
		1880.0	19.93	20.20	20.13			
		1852.5	19.93	20.26	20.19			
	12RB_13	1907.5	19.87	19.88	19.81	20.5	20.5	20.5
		1880.0	19.94	19.94	19.84			
		1852.5	19.96	19.95	19.88			
	12RB_6	1907.5	19.93	19.96	19.91			
		1880.0	19.97	19.96	19.92			
		1852.5	19.88	19.91	19.85			
	12RB_0	1907.5	19.96	19.99	19.92			
		1880.0	19.99	19.99	19.95			
		1852.5	19.88	19.90	19.81			
	25RB_0	1907.5	19.91	19.98	19.92			
		1880.0	19.95	20.01	19.97			
		1852.5	19.92	19.94	19.89			



Ant.1 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1905.0	19.93	20.17	20.08	20.5	20.5	20.5
		1880.0	19.92	20.16	20.09			
		1855.0	19.88	20.14	20.10			
	1RB_24	1905.0	19.95	20.17	20.11			
		1880.0	20.00	20.22	20.15			
		1855.0	19.97	20.20	20.14			
	1RB_0	1905.0	19.93	20.16	20.10			
		1880.0	19.98	20.14	20.07			
		1855.0	19.92	20.17	20.07			
	25RB_25	1905.0	19.82	19.86	19.77	20.5	20.5	20.5
		1880.0	19.90	19.96	19.89			
		1855.0	20.00	20.04	19.95			
	25RB_12	1905.0	19.89	19.93	19.89			
		1880.0	19.94	19.97	19.89			
		1855.0	19.91	19.91	19.82			
	25RB_0	1905.0	20.02	20.07	19.99			
		1880.0	20.01	20.04	19.97			
		1855.0	19.84	19.86	19.76			
	50RB_0	1905.0	19.93	19.97	19.89			
		1880.0	19.97	20.00	19.94			
		1855.0	19.98	19.96	19.86			



Ant.1 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1902.5	19.89	20.16	20.11	20.5	20.5	20.5
		1880.0	19.92	20.16	20.12			
		1857.5	19.96	20.11	20.06			
	1RB_37	1902.5	19.94	20.18	20.15			
		1880.0	20.02	20.26	20.20			
		1857.5	19.91	20.30	20.25			
	1RB_0	1902.5	19.91	20.20	20.11			
		1880.0	20.05	20.26	20.22			
		1857.5	19.86	20.16	20.10			
	36RB_38	1902.5	19.77	19.81	19.75	20.5	20.5	20.5
		1880.0	19.93	19.95	19.87			
		1857.5	19.96	19.98	19.89			
	36RB_19	1902.5	19.89	19.91	19.87			
		1880.0	19.98	19.97	19.91			
		1857.5	19.90	19.93	19.85			
	36RB_0	1902.5	19.87	19.86	19.81			
		1880.0	20.02	20.07	19.97			
		1857.5	19.81	19.84	19.77			
	75RB_0	1902.5	19.83	19.88	19.86			
		1880.0	19.99	20.01	19.99			
		1857.5	19.93	19.94	19.91			



Ant.1 – Power Level D1								
LTE Band 2			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1900.0	19.85	20.08	20.13	20.5	20.5	20.5
		1880.0	19.91	20.17	19.88			
		1860.0	19.95	19.95	20.16			
	1RB_50	1900.0	19.95	20.26	20.11			
		1880.0	20.08	20.13	20.11			
		1860.0	20.02	20.16	20.06			
	1RB_0	1900.0	19.87	20.12	19.94			
		1880.0	20.05	20.03	19.95			
		1860.0	19.88	20.02	19.67			
	50RB_50	1900.0	19.64	19.73	19.90	20.5	20.5	20.5
		1880.0	20.01	19.97	19.89			
		1860.0	19.87	19.93	19.91			
	50RB_25	1900.0	19.95	19.97	19.92			
		1880.0	19.97	19.98	19.95			
		1860.0	19.97	19.98	19.72			
	50RB_0	1900.0	19.80	19.81	20.07			
		1880.0	20.11	20.17	19.73			
		1860.0	19.78	19.80	19.66			
	100RB_0	1900.0	19.71	19.72	19.98			
		1880.0	20.07	20.07	19.77			
		1860.0	19.83	19.80	19.84			



LTE Band 4 Ant.0

Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1754.3	22.49	21.70	20.59	23.5	22.5	21.5
		1732.5	22.57	21.79	20.72			
		1710.7	22.58	21.81	20.69			
	1RB_3	1754.3	22.56	21.75	20.63			
		1732.5	22.62	21.82	20.74			
		1710.7	22.66	21.71	20.72			
	1RB_0	1754.3	22.50	21.78	20.66			
		1732.5	22.58	21.81	20.74			
		1710.7	22.61	21.69	20.72			
	3RB_3	1754.3	22.61	21.55	20.63			
		1732.5	22.60	21.59	20.68			
		1710.7	22.57	21.58	20.64			
	3RB_1	1754.3	22.58	21.56	20.66			
		1732.5	22.60	21.60	20.74			
		1710.7	22.62	21.61	20.65			
	3RB_0	1754.3	22.60	21.60	20.70			
		1732.5	22.59	21.61	20.63			
		1710.7	22.56	21.58	20.73			
	6RB_0	1754.3	21.57	20.59	19.48	22.5	21.5	20.5
		1732.5	21.63	20.66	19.53			
		1710.7	21.58	20.66	19.51			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1753.5	22.59	21.74	20.72	23.5	22.5	21.5
		1732.5	22.57	21.83	20.70			
		1711.5	22.59	21.79	20.68			
	1RB_7	1753.5	22.64	21.80	20.77			
		1732.5	22.64	21.78	20.81			
		1711.5	22.68	21.84	20.80			
	1RB_0	1753.5	22.55	21.71	20.75			
		1732.5	22.57	21.85	20.63			
		1711.5	22.64	21.89	20.63			
	8RB_7	1753.5	21.54	20.61	19.54	22.5	21.5	20.5
		1732.5	21.56	20.60	19.59			
		1711.5	21.58	20.60	19.56			
	8RB_4	1753.5	21.54	20.64	19.54			
		1732.5	21.56	20.60	19.59			
		1711.5	21.59	20.60	19.57			
	8RB_0	1753.5	21.59	20.61	19.57			
		1732.5	21.59	20.66	19.57			
		1711.5	21.60	20.63	19.62			
	15RB_0	1753.5	21.54	20.55	19.52			
		1732.5	21.55	20.59	19.54			
		1711.5	21.59	20.58	19.57			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1752.5	22.54	21.76	20.71	23.5	22.5	21.5
		1732.5	22.65	21.82	20.62			
		1712.5	22.64	21.75	20.74			
	1RB_12	1752.5	22.60	21.80	20.81			
		1732.5	22.68	21.85	20.74			
		1712.5	22.69	21.82	20.74			
	1RB_0	1752.5	22.62	21.73	20.69			
		1732.5	22.62	21.84	20.76			
		1712.5	22.65	21.80	20.74			
	12RB_13	1752.5	21.57	20.54	19.55	22.5	21.5	20.5
		1732.5	21.55	20.57	19.53			
		1712.5	21.63	20.61	19.62			
	12RB_6	1752.5	21.58	20.57	19.53			
		1732.5	21.62	20.59	19.61			
		1712.5	21.60	20.55	19.60			
	12RB_0	1752.5	21.61	20.59	19.57			
		1732.5	21.66	20.62	19.61			
		1712.5	21.59	20.58	19.58			
	25RB_0	1752.5	21.60	20.56	19.54			
		1732.5	21.64	20.62	19.56			
		1712.5	21.61	20.61	19.58			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1750.0	22.60	21.77	20.55	23.5	22.5	21.5
		1732.5	22.57	21.73	20.77			
		1715.0	22.68	21.79	20.62			
	1RB_24	1750.0	22.68	21.90	20.81			
		1732.5	22.62	21.77	20.82			
		1715.0	22.69	21.86	20.74			
	1RB_0	1750.0	22.67	21.89	20.80			
		1732.5	22.61	21.77	20.71			
		1715.0	22.66	21.85	20.78			
	25RB_25	1750.0	21.61	20.59	19.54	22.5	21.5	20.5
		1732.5	21.56	20.56	19.52			
		1715.0	21.67	20.70	19.67			
	25RB_12	1750.0	21.58	20.59	19.53			
		1732.5	21.60	20.58	19.57			
		1715.0	21.61	20.60	19.56			
	25RB_0	1750.0	21.57	20.55	19.51			
		1732.5	21.65	20.65	19.63			
		1715.0	21.55	20.54	19.51			
	50RB_0	1750.0	21.59	20.54	19.55			
		1732.5	21.61	20.58	19.54			
		1715.0	21.62	20.60	19.57			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1747.5	22.54	21.71	20.53	23.5	22.5	21.5
		1732.5	22.56	21.74	20.68			
		1717.5	22.53	21.68	20.61			
	1RB_37	1747.5	22.59	21.89	20.77			
		1732.5	22.62	21.89	20.66			
		1717.5	22.63	21.68	20.82			
	1RB_0	1747.5	22.62	21.86	20.76			
		1732.5	22.65	21.85	20.72			
		1717.5	22.60	21.73	20.78			
	36RB_38	1747.5	21.61	20.56	19.59	22.5	21.5	20.5
		1732.5	21.57	20.56	19.53			
		1717.5	21.63	20.57	19.57			
	36RB_19	1747.5	21.66	20.65	19.59			
		1732.5	21.62	20.63	19.63			
		1717.5	21.59	20.62	19.55			
	36RB_0	1747.5	21.59	20.58	19.61			
		1732.5	21.62	20.62	19.63			
		1717.5	21.55	20.52	19.54			
	75RB_0	1747.5	21.59	20.58	19.56			
		1732.5	21.59	20.55	19.55			
		1717.5	21.61	20.57	19.55			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1745.0	22.51	21.66	20.59	23.5	22.5	21.5
		1732.5	22.50	21.69	20.56			
		1720.0	22.56	21.72	20.59			
	1RB_50	1745.0	22.73	21.75	20.81			
		1732.5	22.62	21.78	20.64			
		1720.0	22.65	21.86	20.70			
	1RB_0	1745.0	22.62	21.77	20.60			
		1732.5	22.54	21.83	20.74			
		1720.0	22.64	21.82	20.57			
	50RB_50	1745.0	21.66	20.59	19.58	22.5	21.5	20.5
		1732.5	21.59	20.56	19.52			
		1720.0	21.63	20.59	19.60			
	50RB_25	1745.0	21.68	20.58	19.62			
		1732.5	21.63	20.59	19.59			
		1720.0	21.64	20.62	19.58			
	50RB_0	1745.0	21.66	20.64	19.61			
		1732.5	21.62	20.64	19.62			
		1720.0	21.49	20.50	19.46			
	100RB_0	1745.0	21.60	20.60	19.59			
		1732.5	21.59	20.56	19.53			
		1720.0	21.53	20.55	19.53			



LTE Band 4 Ant.1

Ant.1 – Power Level A1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1754.3	15.83	16.02	15.96	17.0	17.0	17.0
		1732.5	15.88	16.23	16.14			
		1710.7	15.97	16.15	16.06			
	1RB_3	1754.3	15.83	16.14	16.01			
		1732.5	15.86	16.17	16.12			
		1710.7	15.94	16.29	16.07			
	1RB_0	1754.3	15.83	16.09	16.00			
		1732.5	15.87	16.17	16.13			
		1710.7	15.94	16.22	16.12			
	3RB_3	1754.3	15.89	15.87	16.00			
		1732.5	15.88	15.90	16.03			
		1710.7	15.93	15.99	16.01			
	3RB_1	1754.3	15.89	15.91	16.00			
		1732.5	15.94	15.91	16.11			
		1710.7	15.97	16.01	16.05			
	3RB_0	1754.3	15.91	15.94	16.01			
		1732.5	15.93	15.95	16.01			
		1710.7	15.96	15.95	16.07			
	6RB_0	1754.3	15.88	15.98	15.88			
		1732.5	15.93	15.96	15.94			
		1710.7	15.99	16.05	15.92			



Ant.1 – Power Level A1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1753.5	15.82	16.05	16.03	17.0	17.0	17.0
		1732.5	15.86	16.14	16.10			
		1711.5	15.95	16.16	16.10			
	1RB_7	1753.5	15.89	16.08	16.07			
		1732.5	15.93	16.13	16.03			
		1711.5	15.99	16.34	16.13			
	1RB_0	1753.5	15.88	16.10	16.07			
		1732.5	15.88	16.13	16.03			
		1711.5	15.95	16.30	15.99			
	8RB_7	1753.5	15.85	15.91	15.89	17.0	17.0	17.0
		1732.5	15.86	15.97	15.90			
		1711.5	15.96	16.04	16.03			
	8RB_4	1753.5	15.86	15.92	15.92			
		1732.5	15.88	15.93	15.91			
		1711.5	15.95	16.06	16.06			
	8RB_0	1753.5	15.87	15.94	15.95			
		1732.5	15.94	15.94	15.95			
		1711.5	16.00	16.06	16.05			
	15RB_0	1753.5	15.84	15.88	15.85			
		1732.5	15.89	15.90	15.90			
		1711.5	15.95	16.01	15.97			



Ant.1 – Power Level A1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1752.5	15.85	16.06	15.99	17.0	17.0	17.0
		1732.5	15.91	16.15	16.07			
		1712.5	16.02	16.19	16.13			
	1RB_12	1752.5	15.89	16.11	15.95			
		1732.5	15.97	16.25	16.12			
		1712.5	16.03	16.25	16.14			
	1RB_0	1752.5	15.88	16.09	15.97			
		1732.5	15.91	16.19	16.10			
		1712.5	16.02	16.26	16.19			
	12RB_13	1752.5	15.79	15.81	15.81	17.0	17.0	17.0
		1732.5	15.98	15.78	15.94			
		1712.5	16.00	15.98	16.02			
	12RB_6	1752.5	15.90	15.91	15.91			
		1732.5	15.92	15.91	15.95			
		1712.5	15.98	16.00	16.06			
	12RB_0	1752.5	15.95	15.95	15.96			
		1732.5	15.90	15.93	15.96			
		1712.5	15.98	15.98	16.05			
	25RB_0	1752.5	15.89	15.89	15.89			
		1732.5	15.94	15.96	15.97			
		1712.5	15.98	16.00	15.99			



Ant.1 – Power Level A1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1750.0	15.87	16.10	15.97	17.0	17.0	17.0
		1732.5	15.87	16.21	15.92			
		1715.0	15.97	16.14	16.06			
	1RB_24	1750.0	15.96	16.16	15.91			
		1732.5	15.91	16.18	16.05			
		1715.0	16.02	16.22	16.20			
	1RB_0	1750.0	15.92	16.20	16.04			
		1732.5	15.93	16.29	16.17			
		1715.0	16.03	16.23	16.12			
	25RB_25	1750.0	15.79	15.84	15.78	17.0	17.0	17.0
		1732.5	15.98	15.98	15.98			
		1715.0	15.95	15.97	15.97			
	25RB_12	1750.0	15.90	15.90	15.91			
		1732.5	15.91	15.92	15.91			
		1715.0	16.03	16.03	16.02			
	25RB_0	1750.0	15.89	15.94	15.92			
		1732.5	15.96	15.91	15.94			
		1715.0	15.99	16.00	15.99			
	50RB_0	1750.0	15.85	15.85	15.86			
		1732.5	15.96	15.92	15.94			
		1715.0	15.93	15.97	15.95			



Ant.1 – Power Level A1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1747.5	15.77	16.09	15.96	17.0	17.0	17.0
		1732.5	15.85	16.01	16.03			
		1717.5	15.85	16.11	16.04			
	1RB_37	1747.5	15.93	16.18	16.10			
		1732.5	15.93	16.20	16.11			
		1717.5	15.99	16.15	16.16			
	1RB_0	1747.5	15.90	16.03	16.08			
		1732.5	15.89	16.07	16.15			
		1717.5	16.00	16.17	16.16			
	36RB_38	1747.5	15.82	15.86	15.88	17.0	17.0	17.0
		1732.5	15.95	15.94	15.96			
		1717.5	15.85	15.86	15.89			
	36RB_19	1747.5	15.93	15.95	15.95			
		1732.5	15.90	15.96	15.96			
		1717.5	15.98	15.96	16.01			
	36RB_0	1747.5	15.85	15.90	15.87			
		1732.5	15.95	16.00	16.01			
		1717.5	16.02	16.00	16.08			
	75RB_0	1747.5	15.82	15.84	15.84			
		1732.5	15.97	15.90	15.97			
		1717.5	15.93	15.95	15.97			



Ant.1 – Power Level A1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1745.0	15.79	16.06	16.00	17.0	17.0	17.0
		1732.5	15.80	16.11	15.89			
		1720.0	15.81	16.06	16.00			
	1RB_50	1745.0	15.93	16.05	16.14			
		1732.5	15.96	16.30	16.02			
		1720.0	16.00	16.17	16.08			
	1RB_0	1745.0	15.92	16.14	16.11			
		1732.5	15.92	16.24	15.87			
		1720.0	15.99	16.22	16.13			
	50RB_50	1745.0	15.76	15.81	15.81	17.0	17.0	17.0
		1732.5	16.10	16.06	16.08			
		1720.0	15.89	15.89	15.87			
	50RB_25	1745.0	15.91	15.94	15.94			
		1732.5	15.94	15.97	15.99			
		1720.0	16.00	16.01	15.98			
	50RB_0	1745.0	15.77	15.79	15.80			
		1732.5	15.95	15.97	16.00			
		1720.0	16.09	16.07	16.07			
	100RB_0	1745.0	15.77	15.76	15.80			
		1732.5	16.02	16.00	16.03			
		1720.0	15.96	15.94	15.98			



Ant.1 – Power Level B1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1754.3	14.89	15.18	15.14	16.0	16.0	16.0
		1732.5	14.95	15.22	15.04			
		1710.7	15.02	15.24	15.08			
	1RB_3	1754.3	14.92	15.21	15.11			
		1732.5	14.99	15.25	15.03			
		1710.7	14.99	15.27	15.09			
	1RB_0	1754.3	14.91	15.18	15.10			
		1732.5	14.94	15.23	15.04			
		1710.7	15.02	15.30	15.15			
	3RB_3	1754.3	14.95	14.98	15.06			
		1732.5	14.94	14.98	15.03			
		1710.7	14.97	15.01	15.05			
	3RB_1	1754.3	14.94	14.92	15.04			
		1732.5	14.98	15.03	15.12			
		1710.7	15.00	15.03	15.04			
	3RB_0	1754.3	14.93	15.02	15.04			
		1732.5	15.00	15.03	15.11			
		1710.7	14.99	15.05	15.05			
	6RB_0	1754.3	14.97	15.07	14.91			
		1732.5	15.00	15.05	14.98			
		1710.7	15.02	15.06	14.99			



Ant.1 – Power Level B1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1753.5	14.91	15.20	15.13	16.0	16.0	16.0
		1732.5	14.96	15.21	15.22			
		1711.5	14.96	15.27	15.07			
	1RB_7	1753.5	15.00	15.24	15.19			
		1732.5	15.03	15.25	15.28			
		1711.5	15.02	15.30	15.13			
	1RB_0	1753.5	14.95	15.23	15.16			
		1732.5	14.96	15.23	15.19			
		1711.5	14.99	15.29	15.07			
	8RB_7	1753.5	14.91	14.95	14.97	16.0	16.0	16.0
		1732.5	14.92	15.01	15.00			
		1711.5	15.00	15.11	15.09			
	8RB_4	1753.5	14.94	14.98	14.98			
		1732.5	14.91	15.02	14.99			
		1711.5	15.00	15.14	15.12			
	8RB_0	1753.5	14.97	15.04	15.00			
		1732.5	14.97	15.08	15.04			
		1711.5	15.02	15.12	15.11			
	15RB_0	1753.5	14.93	15.00	14.96			
		1732.5	14.94	14.98	14.99			
		1711.5	15.01	15.04	15.03			



Ant.1 – Power Level B1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1752.5	14.95	15.24	15.05	16.0	16.0	16.0
		1732.5	14.95	15.27	15.12			
		1712.5	15.02	15.29	15.22			
	1RB_12	1752.5	15.03	15.27	15.09			
		1732.5	15.01	15.40	15.19			
		1712.5	15.08	15.34	15.26			
	1RB_0	1752.5	15.02	15.28	15.06			
		1732.5	14.99	15.37	15.16			
		1712.5	15.05	15.34	15.23			
	12RB_13	1752.5	14.91	14.92	14.94	16.0	16.0	16.0
		1732.5	15.02	15.01	15.07			
		1712.5	15.03	15.03	15.09			
	12RB_6	1752.5	14.96	14.99	15.03			
		1732.5	14.99	14.99	15.07			
		1712.5	15.03	15.04	15.06			
	12RB_0	1752.5	15.03	15.04	15.08			
		1732.5	14.97	15.01	15.08			
		1712.5	15.04	15.04	15.06			
	25RB_0	1752.5	14.95	14.98	14.97			
		1732.5	15.01	15.05	15.02			
		1712.5	15.02	15.05	15.04			



Ant.1 – Power Level B1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1750.0	14.93	15.16	15.06	16.0	16.0	16.0
		1732.5	14.93	15.29	15.13			
		1715.0	14.99	15.30	15.08			
	1RB_24	1750.0	15.06	15.21	15.12			
		1732.5	15.02	15.37	15.22			
		1715.0	15.05	15.32	15.15			
	1RB_0	1750.0	14.96	15.24	15.09			
		1732.5	14.97	15.34	15.12			
		1715.0	15.02	15.39	15.08			
	25RB_25	1750.0	14.91	14.90	14.92	16.0	16.0	16.0
		1732.5	15.04	15.05	15.02			
		1715.0	15.02	15.01	15.02			
	25RB_12	1750.0	14.98	14.98	14.97			
		1732.5	14.96	15.00	14.99			
		1715.0	15.02	15.08	15.04			
	25RB_0	1750.0	15.01	14.98	15.00			
		1732.5	14.97	15.01	15.02			
		1715.0	15.01	15.05	15.03			
	50RB_0	1750.0	14.91	14.95	14.94			
		1732.5	15.01	15.02	15.00			
		1715.0	15.01	15.02	15.03			



Ant.1 – Power Level B1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1747.5	14.86	15.14	15.10	16.0	16.0	16.0
		1732.5	14.87	15.18	15.11			
		1717.5	14.93	15.19	15.02			
	1RB_37	1747.5	14.97	15.24	15.22			
		1732.5	15.02	15.28	15.20			
		1717.5	15.04	15.27	15.05			
	1RB_0	1747.5	14.96	15.25	15.23			
		1732.5	14.99	15.24	15.19			
		1717.5	15.02	15.26	15.01			
	36RB_38	1747.5	14.90	14.96	14.96	16.0	16.0	16.0
		1732.5	15.02	15.03	15.05			
		1717.5	14.89	14.98	14.96			
	36RB_19	1747.5	15.00	15.00	15.04			
		1732.5	14.98	15.02	15.08			
		1717.5	15.01	15.00	15.05			
	36RB_0	1747.5	14.96	14.99	14.96			
		1732.5	14.98	15.00	15.08			
		1717.5	15.05	15.06	15.11			
	75RB_0	1747.5	14.96	14.90	14.94			
		1732.5	15.03	15.05	15.03			
		1717.5	14.98	15.03	15.01			



Ant.1 – Power Level B1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1745.0	14.86	15.09	15.00	16.0	16.0	16.0
		1732.5	14.88	15.12	15.07			
		1720.0	14.87	15.12	15.12			
	1RB_50	1745.0	15.00	15.23	15.14			
		1732.5	15.03	15.32	15.24			
		1720.0	15.06	15.23	15.22			
	1RB_0	1745.0	14.95	15.20	15.11			
		1732.5	15.00	15.26	15.20			
		1720.0	15.04	15.20	15.18			
	50RB_50	1745.0	14.90	14.88	14.89	16.0	16.0	16.0
		1732.5	15.10	15.09	15.11			
		1720.0	14.91	14.98	14.95			
	50RB_25	1745.0	15.01	14.96	15.02			
		1732.5	15.01	15.04	15.00			
		1720.0	15.02	15.07	15.05			
	50RB_0	1745.0	14.88	14.86	14.83			
		1732.5	14.99	15.02	15.05			
		1720.0	15.10	15.12	15.09			
	100RB_0	1745.0	14.88	14.85	14.86			
		1732.5	15.08	15.08	15.07			
		1720.0	15.01	15.05	15.04			



Ant.1 – Power Level C1											
LTE Band 4			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	1754.3	19.89	20.22	20.20	21.0	21.0	21.0			
		1732.5	19.96	20.30	20.26						
		1710.7	20.02	20.26	20.17						
	1RB_3	1754.3	19.94	20.32	20.23						
		1732.5	20.02	20.33	20.28						
		1710.7	20.03	20.28	20.25						
	1RB_0	1754.3	19.92	20.25	20.19						
		1732.5	19.98	20.34	20.30						
		1710.7	20.03	20.27	20.25						
	3RB_3	1754.3	19.98	19.98	19.91						
		1732.5	20.01	20.03	19.94						
		1710.7	20.03	20.07	19.99						
	3RB_1	1754.3	19.98	19.98	19.96						
		1732.5	20.05	20.08	20.00						
		1710.7	20.05	20.06	19.97						
	3RB_0	1754.3	19.99	20.01	19.96						
		1732.5	19.99	20.06	19.99						
		1710.7	20.05	20.09	20.01						
	6RB_0	1754.3	19.97	20.08	19.61				21.0	21.0	20.5
		1732.5	20.03	20.12	19.61						
		1710.7	20.05	20.07	19.55						



Ant.1 – Power Level C1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1753.5	19.88	20.10	20.05	21.0	21.0	21.0
		1732.5	19.96	20.22	20.19			
		1711.5	20.01	20.26	20.21			
	1RB_7	1753.5	19.97	20.16	20.09			
		1732.5	20.05	20.27	20.24			
		1711.5	20.06	20.36	20.28			
	1RB_0	1753.5	19.93	20.12	20.09			
		1732.5	19.96	20.24	20.15			
		1711.5	20.03	20.28	20.22			
	8RB_7	1753.5	19.93	20.03	19.52	21.0	21.0	20.5
		1732.5	19.99	20.04	19.50			
		1711.5	20.05	20.12	19.59			
	8RB_4	1753.5	19.97	20.06	19.56			
		1732.5	20.00	20.05	19.56			
		1711.5	20.07	20.13	19.59			
	8RB_0	1753.5	19.99	20.08	19.59			
		1732.5	20.04	20.07	19.54			
		1711.5	20.07	20.14	19.66			
	15RB_0	1753.5	19.95	20.03	19.50			
		1732.5	20.01	20.02	19.48			
		1711.5	20.05	20.10	19.56			



Ant.1 – Power Level C1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1752.5	19.95	20.24	20.22	21.0	21.0	21.0
		1732.5	20.02	20.33	20.26			
		1712.5	20.09	20.25	20.23			
	1RB_12	1752.5	20.02	20.27	20.21			
		1732.5	20.06	20.38	20.33			
		1712.5	20.08	20.28	20.23			
	1RB_0	1752.5	20.01	20.26	20.16			
		1732.5	20.03	20.37	20.35			
		1712.5	20.05	20.27	20.20			
	12RB_13	1752.5	19.93	19.92	19.40	21.0	21.0	20.5
		1732.5	20.03	20.03	19.55			
		1712.5	20.07	20.05	19.52			
	12RB_6	1752.5	19.98	19.99	19.45			
		1732.5	20.04	20.05	19.56			
		1712.5	20.08	20.09	19.56			
	12RB_0	1752.5	20.07	20.06	19.52			
		1732.5	20.03	20.05	19.56			
		1712.5	20.10	20.08	19.59			
	25RB_0	1752.5	19.95	20.05	19.55			
		1732.5	20.07	20.06	19.57			
		1712.5	20.08	20.09	19.56			



Ant.1 – Power Level C1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1750.0	19.94	20.15	20.08	21.0	21.0	21.0
		1732.5	20.00	20.27	20.20			
		1715.0	20.06	20.31	20.28			
	1RB_24	1750.0	20.01	20.23	20.18			
		1732.5	20.03	20.34	20.25			
		1715.0	20.13	20.31	20.27			
	1RB_0	1750.0	20.02	20.21	20.18			
		1732.5	20.03	20.33	20.28			
		1715.0	20.08	20.28	20.21			
	25RB_25	1750.0	19.90	19.91	19.42	21.0	21.0	20.5
		1732.5	20.06	20.08	19.55			
		1715.0	20.04	20.02	19.54			
	25RB_12	1750.0	20.00	20.03	19.52			
		1732.5	20.03	20.03	19.51			
		1715.0	20.08	20.09	19.55			
	25RB_0	1750.0	20.03	20.06	19.51			
		1732.5	20.05	20.08	19.55			
		1715.0	20.09	20.10	19.62			
	50RB_0	1750.0	19.94	19.96	19.42			
		1732.5	20.09	20.08	19.58			
		1715.0	20.05	20.03	19.56			



Ant.1 – Power Level C1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1747.5	19.86	20.15	20.06	21.0	21.0	21.0
		1732.5	19.92	20.18	20.11			
		1717.5	19.95	20.24	20.16			
	1RB_37	1747.5	20.00	20.26	20.16			
		1732.5	20.03	20.30	20.25			
		1717.5	20.03	20.27	20.17			
	1RB_0	1747.5	19.98	20.28	20.19			
		1732.5	20.03	20.26	20.20			
		1717.5	20.02	20.33	20.30			
	36RB_38	1747.5	19.91	19.95	19.44	21.0	21.0	20.5
		1732.5	20.07	20.07	19.56			
		1717.5	19.96	20.03	19.54			
	36RB_19	1747.5	20.03	20.03	19.50			
		1732.5	20.01	20.05	19.51			
		1717.5	20.06	20.06	19.56			
	36RB_0	1747.5	19.99	19.99	19.45			
		1732.5	20.08	20.07	19.56			
		1717.5	20.11	20.11	19.58			
	75RB_0	1747.5	19.96	19.93	19.38			
		1732.5	20.06	20.06	19.52			
		1717.5	20.06	20.08	19.58			



Ant.1 – Power Level C1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1745.0	19.89	20.10	20.08	21.0	21.0	21.0
		1732.5	19.91	20.20	20.12			
		1720.0	19.92	20.26	20.17			
	1RB_50	1745.0	20.07	20.26	20.18			
		1732.5	20.14	20.39	20.36			
		1720.0	20.12	20.37	20.29			
	1RB_0	1745.0	20.01	20.31	20.28			
		1732.5	20.00	20.32	20.25			
		1720.0	20.06	20.34	20.28			
	50RB_50	1745.0	19.87	19.90	19.39	21.0	21.0	20.5
		1732.5	20.19	20.16	19.67			
		1720.0	19.97	20.01	19.52			
	50RB_25	1745.0	20.05	20.05	19.57			
		1732.5	20.07	20.10	19.60			
		1720.0	20.08	20.12	19.59			
	50RB_0	1745.0	19.93	19.90	19.43			
		1732.5	20.06	20.09	19.62			
		1720.0	20.17	20.17	19.69			
	100RB_0	1745.0	19.90	19.87	19.37			
		1732.5	20.12	20.12	19.60			
		1720.0	20.10	20.08	19.60			



Ant.1 – Power Level D1											
LTE Band 4			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	1754.3	19.39	19.68	19.58	20.0	20.0	20.0			
		1732.5	19.44	19.76	19.69						
		1710.7	19.50	19.86	19.82						
	1RB_3	1754.3	19.40	19.76	19.73						
		1732.5	19.48	19.79	19.72						
		1710.7	19.51	19.80	19.73						
	1RB_0	1754.3	19.44	19.69	19.64						
		1732.5	19.46	19.79	19.70						
		1710.7	18.23	19.80	19.72						
	3RB_3	1754.3	19.46	19.48	19.45						
		1732.5	19.46	19.46	19.43						
		1710.7	19.43	19.53	19.47						
	3RB_1	1754.3	19.46	19.49	19.45						
		1732.5	19.51	19.57	19.52						
		1710.7	19.31	19.55	19.52						
	3RB_0	1754.3	19.45	19.49	19.46						
		1732.5	19.49	19.52	19.46						
		1710.7	19.35	19.53	19.45						
	6RB_0	1754.3	19.47	19.55	19.49				20.0	20.0	20.0
		1732.5	19.51	19.60	19.51						
		1710.7	19.56	19.62	19.53						



Ant.1 – Power Level D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1753.5	19.41	19.67	19.57	20.0	20.0	20.0
		1732.5	19.44	19.75	19.70			
		1711.5	19.55	19.87	19.84			
	1RB_7	1753.5	19.49	19.68	19.66			
		1732.5	19.50	19.89	19.85			
		1711.5	19.61	19.95	19.87			
	1RB_0	1753.5	19.41	19.71	19.69			
		1732.5	19.46	19.84	19.76			
		1711.5	19.55	19.84	19.74			
	8RB_7	1753.5	19.45	19.52	19.46	20.0	20.0	20.0
		1732.5	19.48	19.55	19.46			
		1711.5	19.53	19.62	19.55			
	8RB_4	1753.5	19.45	19.53	19.50			
		1732.5	19.47	19.57	19.50			
		1711.5	19.55	19.63	19.54			
	8RB_0	1753.5	19.47	19.53	19.46			
		1732.5	19.50	19.59	19.53			
		1711.5	19.55	19.62	19.53			
	15RB_0	1753.5	19.45	19.46	19.38			
		1732.5	19.47	19.51	19.46			
		1711.5	19.55	19.63	19.58			



Ant.1 – Power Level D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1752.5	19.46	19.64	19.59	20.0	20.0	20.0
		1732.5	19.51	19.69	19.65			
		1712.5	19.60	19.76	19.67			
	1RB_12	1752.5	19.57	19.71	19.63			
		1732.5	19.54	19.74	19.66			
		1712.5	19.59	19.79	19.72			
	1RB_0	1752.5	19.53	19.72	19.66			
		1732.5	19.54	19.72	19.64			
		1712.5	19.61	19.78	19.75			
	12RB_13	1752.5	19.43	19.40	19.34	20.0	20.0	20.0
		1732.5	19.51	19.56	19.47			
		1712.5	19.56	19.55	19.45			
	12RB_6	1752.5	19.50	19.51	19.44			
		1732.5	19.54	19.57	19.51			
		1712.5	19.56	19.56	19.48			
	12RB_0	1752.5	19.56	19.54	19.46			
		1732.5	19.57	19.56	19.51			
		1712.5	19.58	19.59	19.50			
	25RB_0	1752.5	19.50	19.53	19.46			
		1732.5	19.54	19.58	19.51			
		1712.5	19.55	19.58	19.52			



Ant.1 – Power Level D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1750.0	19.48	19.71	19.65	20.0	20.0	20.0
		1732.5	19.49	19.71	19.65			
		1715.0	19.59	19.81	19.76			
	1RB_24	1750.0	19.54	19.76	19.66			
		1732.5	19.52	19.80	19.70			
		1715.0	19.68	19.85	19.76			
	1RB_0	1750.0	19.53	19.82	19.79			
		1732.5	19.53	19.87	19.80			
		1715.0	19.61	19.80	19.73			
	25RB_25	1750.0	19.39	19.38	19.28	20.0	20.0	20.0
		1732.5	19.53	19.57	19.51			
		1715.0	19.52	19.52	19.49			
	25RB_12	1750.0	19.46	19.51	19.47			
		1732.5	19.49	19.51	19.44			
		1715.0	19.56	19.59	19.53			
	25RB_0	1750.0	19.49	19.55	19.52			
		1732.5	19.53	19.54	19.49			
		1715.0	19.56	19.57	19.47			
	50RB_0	1750.0	19.43	19.46	19.39			
		1732.5	19.57	19.51	19.44			
		1715.0	19.52	19.55	19.50			



Ant.1 – Power Level D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1747.5	19.44	19.64	19.60	20.0	20.0	20.0
		1732.5	19.44	19.69	19.64			
		1717.5	19.44	19.72	19.68			
	1RB_37	1747.5	19.59	19.82	19.80			
		1732.5	19.52	19.80	19.73			
		1717.5	19.64	19.84	19.76			
	1RB_0	1747.5	19.53	19.76	19.72			
		1732.5	19.53	19.82	19.79			
		1717.5	19.59	19.90	19.81			
	36RB_38	1747.5	19.41	19.46	19.42	20.0	20.0	20.0
		1732.5	19.50	19.56	19.50			
		1717.5	19.45	19.48	19.39			
	36RB_19	1747.5	19.52	19.52	19.43			
		1732.5	19.52	19.53	19.44			
		1717.5	19.56	19.56	19.47			
	36RB_0	1747.5	19.46	19.43	19.36			
		1732.5	19.57	19.62	19.59			
		1717.5	19.61	19.61	19.58			
	75RB_0	1747.5	19.43	19.46	19.43			
		1732.5	19.54	19.57	19.49			
		1717.5	19.54	19.56	19.48			



Ant.1 – Power Level D1								
LTE Band 4			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1745.0	19.37	19.60	19.52	20.0	20.0	20.0
		1732.5	19.37	19.64	19.57			
		1720.0	19.38	19.62	19.53			
	1RB_50	1745.0	19.50	19.69	19.62			
		1732.5	19.55	19.82	19.76			
		1720.0	19.54	19.72	19.65			
	1RB_0	1745.0	19.48	19.75	19.65			
		1732.5	19.47	19.75	19.71			
		1720.0	19.52	19.71	19.67			
	50RB_50	1745.0	19.36	19.40	19.36	20.0	20.0	20.0
		1732.5	19.68	19.64	19.56			
		1720.0	19.45	19.48	19.44			
	50RB_25	1745.0	19.51	19.55	19.46			
		1732.5	19.57	19.55	19.47			
		1720.0	19.57	19.58	19.54			
	50RB_0	1745.0	19.41	19.38	19.28			
		1732.5	19.53	19.57	19.52			
		1720.0	19.67	19.68	19.66			
	100RB_0	1745.0	19.38	19.38	19.29			
		1732.5	19.59	19.60	19.52			
		1720.0	19.57	19.57	19.53			



LTE Band 5 Ant.0

Ant.0 – Power Level A1/B1/C1/D1/A2/B2/C2/D2											
LTE Band 5			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	848.3MHz	23.32	22.52	21.37	24.5	23.5	22.5			
		836.5MHz	23.43	22.66	21.58						
		824.7MHz	23.38	22.65	21.51						
	1RB_3	848.3MHz	23.37	22.61	21.38						
		836.5MHz	23.47	22.67	21.52						
		824.7MHz	23.43	22.68	21.49						
	1RB_0	848.3MHz	23.31	22.61	21.35						
		836.5MHz	23.45	22.66	21.53						
		824.7MHz	23.38	22.63	21.47						
	3RB_3	848.3MHz	23.38	22.33	21.45						
		836.5MHz	23.43	22.39	21.50						
		824.7MHz	23.40	22.41	21.42						
	3RB_1	848.3MHz	23.38	22.34	21.47						
		836.5MHz	23.46	22.46	21.50						
		824.7MHz	23.38	22.43	21.53						
	3RB_0	848.3MHz	23.39	22.36	21.42						
		836.5MHz	23.47	22.47	21.55						
		824.7MHz	23.40	22.46	21.45						
	6RB_0	848.3MHz	22.37	21.40	20.43				23.5	22.5	21.5
		836.5MHz	22.46	21.50	20.56						
		824.7MHz	22.41	21.44	20.46						



Ant.0 – Power Level A1/B1/C1/D1/A2/B2/C2/D2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5MHz	23.37	22.61	21.37	24.5	23.5	22.5
		836.5MHz	23.44	22.55	21.54			
		825.5MHz	23.39	22.64	21.46			
	1RB_7	847.5MHz	23.39	22.60	21.50			
		836.5MHz	23.45	22.59	21.58			
		825.5MHz	23.40	22.63	21.51			
	1RB_0	847.5MHz	23.41	22.61	21.39			
		836.5MHz	23.38	22.55	21.50			
		825.5MHz	23.39	22.62	21.46			
	8RB_7	847.5MHz	22.35	21.43	20.53	23.5	22.5	21.5
		836.5MHz	22.43	21.50	20.60			
		825.5MHz	22.34	21.41	20.49			
	8RB_4	847.5MHz	22.31	21.41	20.52			
		836.5MHz	22.42	21.51	20.63			
		825.5MHz	22.34	21.40	20.58			
	8RB_0	847.5MHz	22.40	21.43	20.48			
		836.5MHz	22.42	21.46	20.55			
		825.5MHz	22.37	21.41	20.50			
	15RB_0	847.5MHz	22.35	21.37	20.47			
		836.5MHz	22.47	21.43	20.57			
		825.5MHz	22.35	21.34	20.48			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2/C2/D2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5MHz	23.39	22.55	21.40	24.5	23.5	22.5
		836.5MHz	23.51	22.68	21.52			
		826.5MHz	23.47	22.53	21.56			
	1RB_12	846.5MHz	23.43	22.65	21.58			
		836.5MHz	23.58	22.69	21.68			
		826.5MHz	23.43	22.63	21.60			
	1RB_0	846.5MHz	23.39	22.59	21.42			
		836.5MHz	23.54	22.69	21.65			
		826.5MHz	23.43	22.53	21.53			
	12RB_13	846.5MHz	22.34	21.31	20.50	23.5	22.5	21.5
		836.5MHz	22.43	21.37	20.55			
		826.5MHz	22.37	21.34	20.49			
	12RB_6	846.5MHz	22.37	21.33	20.48			
		836.5MHz	22.46	21.43	20.61			
		826.5MHz	22.40	21.37	20.53			
	12RB_0	846.5MHz	22.47	21.42	20.60			
		836.5MHz	22.48	21.43	20.64			
		826.5MHz	22.40	21.36	20.58			
	25RB_0	846.5MHz	22.40	21.40	20.50			
		836.5MHz	22.50	21.47	20.60			
		826.5MHz	22.39	21.39	20.49			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2/C2/D2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0MHz	23.50	22.69	21.59	24.5	23.5	22.5
		836.5MHz	23.50	22.60	21.57			
		829.0MHz	23.50	22.60	21.57			
	1RB_24	844.0MHz	23.47	22.66	21.58			
		836.5MHz	23.56	22.67	21.56			
		829.0MHz	23.50	22.67	21.56			
	1RB_0	844.0MHz	23.43	22.66	21.39			
		836.5MHz	23.41	22.54	21.45			
		829.0MHz	23.40	22.61	21.52			
	25RB_25	844.0MHz	22.36	21.32	20.48	23.5	22.5	21.5
		836.5MHz	22.56	21.51	20.63			
		829.0MHz	22.45	21.45	20.58			
	25RB_12	844.0MHz	22.46	21.44	20.54			
		836.5MHz	22.45	21.47	20.58			
		829.0MHz	22.44	21.44	20.59			
	25RB_0	844.0MHz	22.39	21.42	20.49			
		836.5MHz	22.45	21.47	20.61			
		829.0MHz	22.47	21.45	20.56			
	50RB_0	844.0MHz	22.44	21.38	20.55			
		836.5MHz	22.57	21.51	20.66			
		829.0MHz	22.50	21.45	20.57			



LTE Band 5 Ant.1

Ant.1 – Power Level A1/C1/D1/C2/D2											
LTE Band 5			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	848.3MHz	23.52	22.74	21.57	24.5	23.5	22.5			
		836.5MHz	23.52	22.80	21.69						
		824.7MHz	23.54	22.69	21.59						
	1RB_3	848.3MHz	23.53	22.75	21.59						
		836.5MHz	23.54	22.79	21.70						
		824.7MHz	23.53	22.72	21.68						
	1RB_0	848.3MHz	23.50	22.75	21.63						
		836.5MHz	23.54	22.73	21.65						
		824.7MHz	23.50	22.76	21.67						
	3RB_3	848.3MHz	23.49	22.43	21.60						
		836.5MHz	23.58	22.48	21.68						
		824.7MHz	23.58	22.50	21.62						
	3RB_1	848.3MHz	23.50	22.49	21.57						
		836.5MHz	23.64	22.58	21.70						
		824.7MHz	23.55	22.51	21.61						
	3RB_0	848.3MHz	23.50	22.53	21.53						
		836.5MHz	23.61	22.64	21.67						
		824.7MHz	23.57	22.51	21.61						
	6RB_0	848.3MHz	22.49	21.54	20.55				23.5	22.5	21.5
		836.5MHz	22.61	21.62	20.70						
		824.7MHz	22.49	21.55	20.59						



Ant.1 – Power Level A1/C1/D1/C2/D2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5MHz	23.46	22.65	21.52	24.5	23.5	22.5
		836.5MHz	23.53	22.73	21.68			
		825.5MHz	23.54	22.76	21.62			
	1RB_7	847.5MHz	23.50	22.66	21.61			
		836.5MHz	23.60	22.75	21.68			
		825.5MHz	23.60	22.81	21.65			
	1RB_0	847.5MHz	23.48	22.70	21.64			
		836.5MHz	23.56	22.76	21.68			
		825.5MHz	23.55	22.77	21.58			
	8RB_7	847.5MHz	22.48	21.57	20.68	23.5	22.5	21.5
		836.5MHz	22.55	21.62	20.74			
		825.5MHz	22.48	21.55	20.67			
	8RB_4	847.5MHz	22.48	21.57	20.67			
		836.5MHz	22.55	21.65	20.75			
		825.5MHz	22.47	21.58	20.65			
	8RB_0	847.5MHz	22.51	21.57	20.70			
		836.5MHz	22.57	21.63	20.66			
		825.5MHz	22.52	21.54	20.67			
	15RB_0	847.5MHz	22.48	21.49	20.63			
		836.5MHz	22.53	21.57	20.66			
		825.5MHz	22.50	21.47	20.59			



Ant.1 – Power Level A1/C1/D1/C2/D2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5MHz	23.60	22.69	21.66	24.5	23.5	22.5
		836.5MHz	23.62	22.73	21.76			
		826.5MHz	23.63	22.73	21.72			
	1RB_12	846.5MHz	23.57	22.69	21.61			
		836.5MHz	23.68	22.71	21.75			
		826.5MHz	23.59	22.77	21.72			
	1RB_0	846.5MHz	23.50	22.66	21.63			
		836.5MHz	23.68	22.87	21.71			
		826.5MHz	23.51	22.77	21.72			
	12RB_13	846.5MHz	22.48	21.46	20.64	23.5	22.5	21.5
		836.5MHz	22.55	21.54	20.72			
		826.5MHz	22.54	21.47	20.63			
	12RB_6	846.5MHz	22.51	21.47	20.66			
		836.5MHz	22.62	21.60	20.75			
		826.5MHz	22.55	21.50	20.67			
	12RB_0	846.5MHz	22.61	21.54	20.73			
		836.5MHz	22.64	21.59	20.79			
		826.5MHz	22.52	21.52	20.72			
	25RB_0	846.5MHz	22.52	21.51	20.65			
		836.5MHz	22.62	21.56	20.68			
		826.5MHz	22.51	21.50	20.66			



Ant.1 – Power Level A1/C1/D1/C2/D2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0MHz	23.60	22.75	21.68	24.5	23.5	22.5
		836.5MHz	23.64	22.81	21.73			
		829.0MHz	23.67	22.81	21.60			
	1RB_24	844.0MHz	23.57	22.70	21.69			
		836.5MHz	23.63	22.83	21.80			
		829.0MHz	23.59	22.77	21.74			
	1RB_0	844.0MHz	23.59	22.76	21.65			
		836.5MHz	23.58	22.71	21.70			
		829.0MHz	23.59	22.78	21.48			
	25RB_25	844.0MHz	22.51	21.48	20.62	23.5	22.5	21.5
		836.5MHz	22.64	21.63	20.78			
		829.0MHz	22.59	21.58	20.69			
	25RB_12	844.0MHz	22.56	21.55	20.67			
		836.5MHz	22.62	21.59	20.74			
		829.0MHz	22.57	21.53	20.67			
	25RB_0	844.0MHz	22.50	21.51	20.66			
		836.5MHz	22.63	21.62	20.72			
		829.0MHz	22.59	21.59	20.70			
	50RB_0	844.0MHz	22.59	21.54	20.69			
		836.5MHz	22.68	21.63	20.77			
		829.0MHz	22.58	21.54	20.71			



Ant.1 – Power Level B1											
LTE Band 5			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	848.3MHz	22.91	22.56	21.63	24.0	23.5	22.5			
		836.5MHz	22.97	22.71	21.64						
		824.7MHz	23.05	22.72	21.53						
	1RB_3	848.3MHz	22.92	22.63	21.67						
		836.5MHz	23.03	22.73	21.65						
		824.7MHz	22.98	22.71	21.50						
	1RB_0	848.3MHz	22.90	22.64	21.62						
		836.5MHz	23.01	22.70	21.67						
		824.7MHz	23.00	22.66	21.49						
	3RB_3	848.3MHz	22.97	22.40	21.57						
		836.5MHz	23.02	22.45	21.60						
		824.7MHz	23.00	22.51	21.53						
	3RB_1	848.3MHz	22.96	22.45	21.61						
		836.5MHz	23.07	22.59	21.66						
		824.7MHz	22.98	22.52	21.52						
	3RB_0	848.3MHz	22.95	22.44	21.55						
		836.5MHz	23.08	22.56	21.60						
		824.7MHz	22.99	22.51	21.51						
	6RB_0	848.3MHz	22.47	21.54	20.56				23.5	22.5	21.5
		836.5MHz	22.56	21.57	20.65						
		824.7MHz	22.48	21.52	20.57						



Ant.1 – Power Level B1								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5MHz	22.92	22.68	21.49	24.0	23.5	22.5
		836.5MHz	23.02	22.72	21.60			
		825.5MHz	22.98	22.69	21.60			
	1RB_7	847.5MHz	22.96	22.65	21.54			
		836.5MHz	23.05	22.71	21.71			
		825.5MHz	23.05	22.72	21.65			
	1RB_0	847.5MHz	22.93	22.65	21.54			
		836.5MHz	23.04	22.74	21.64			
		825.5MHz	22.96	22.71	21.57			
	8RB_7	847.5MHz	22.42	21.52	20.64	23.5	22.5	21.5
		836.5MHz	22.51	21.55	20.75			
		825.5MHz	22.43	21.46	20.59			
	8RB_4	847.5MHz	22.44	21.49	20.65			
		836.5MHz	22.52	21.61	20.72			
		825.5MHz	22.43	21.46	20.60			
	8RB_0	847.5MHz	22.47	21.51	20.64			
		836.5MHz	22.51	21.57	20.66			
		825.5MHz	22.47	21.52	20.62			
	15RB_0	847.5MHz	22.45	21.49	20.59			
		836.5MHz	22.55	21.58	20.66			
		825.5MHz	22.45	21.44	20.55			



Ant.1 – Power Level B1								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5MHz	23.01	22.68	21.61	24.0	23.5	22.5
		836.5MHz	23.04	22.76	21.52			
		826.5MHz	23.05	22.62	21.55			
	1RB_12	846.5MHz	23.03	22.70	21.60			
		836.5MHz	23.11	22.74	21.56			
		826.5MHz	23.01	22.60	21.62			
	1RB_0	846.5MHz	22.97	22.70	21.61			
		836.5MHz	23.11	22.75	21.54			
		826.5MHz	22.99	22.65	21.62			
	12RB_13	846.5MHz	22.44	21.44	20.58	23.5	22.5	21.5
		836.5MHz	22.50	21.48	20.63			
		826.5MHz	22.48	21.41	20.59			
	12RB_6	846.5MHz	22.47	21.44	20.57			
		836.5MHz	22.57	21.56	20.69			
		826.5MHz	22.49	21.48	20.61			
	12RB_0	846.5MHz	22.56	21.52	20.68			
		836.5MHz	22.57	21.55	20.73			
		826.5MHz	22.49	21.48	20.64			
	25RB_0	846.5MHz	22.51	21.48	20.61			
		836.5MHz	22.57	21.55	20.70			
		826.5MHz	22.49	21.47	20.60			



Ant.1 – Power Level B1								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0MHz	23.04	22.81	21.68	24.0	23.5	22.5
		836.5MHz	23.09	22.83	21.72			
		829.0MHz	23.17	22.74	21.74			
	1RB_24	844.0MHz	23.06	22.78	21.68			
		836.5MHz	23.15	22.78	21.79			
		829.0MHz	23.11	22.75	21.72			
	1RB_0	844.0MHz	23.02	22.77	21.62			
		836.5MHz	23.09	22.66	21.63			
		829.0MHz	23.00	22.68	21.64			
	25RB_25	844.0MHz	22.47	21.44	20.55	23.5	22.5	21.5
		836.5MHz	22.62	21.61	20.71			
		829.0MHz	22.55	21.51	20.64			
	25RB_12	844.0MHz	22.53	21.51	20.64			
		836.5MHz	22.57	21.57	20.72			
		829.0MHz	22.51	21.51	20.67			
	25RB_0	844.0MHz	22.50	21.50	20.58			
		836.5MHz	22.61	21.62	20.70			
		829.0MHz	22.52	21.53	20.70			
	50RB_0	844.0MHz	22.53	21.49	20.60			
		836.5MHz	22.64	21.59	20.72			
		829.0MHz	22.52	21.51	20.65			



Ant.1 – Power Level A2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	848.3MHz	21.60	21.88	21.22	23.0	23.0	22.5
		836.5MHz	21.66	21.91	21.27			
		824.7MHz	21.69	21.75	21.21			
	1RB_3	848.3MHz	21.60	21.81	21.15			
		836.5MHz	21.66	21.84	21.33			
		824.7MHz	21.66	21.85	21.27			
	1RB_0	848.3MHz	21.58	21.86	21.22			
		836.5MHz	21.68	21.79	21.30			
		824.7MHz	21.59	21.81	21.31			
	3RB_3	848.3MHz	21.54	21.50	21.16			
		836.5MHz	21.73	21.59	21.32			
		824.7MHz	21.72	21.57	21.26			
	3RB_1	848.3MHz	21.64	21.56	21.20			
		836.5MHz	21.73	21.68	21.26			
		824.7MHz	21.65	21.58	21.26			
	3RB_0	848.3MHz	21.60	21.67	21.14			
		836.5MHz	21.70	21.69	21.31			
		824.7MHz	21.72	21.63	21.24			
	6RB_0	848.3MHz	21.61	21.14	20.12	23.0	22.5	21.5
		836.5MHz	21.70	21.20	20.26			
		824.7MHz	21.57	21.19	20.21			



Ant.1 – Power Level A2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5MHz	21.51	21.75	21.09	23.0	23.0	22.5
		836.5MHz	21.62	21.87	21.33			
		825.5MHz	21.63	21.86	21.25			
	1RB_7	847.5MHz	21.62	21.75	21.17			
		836.5MHz	21.68	21.85	21.24			
		825.5MHz	21.67	21.95	21.30			
	1RB_0	847.5MHz	21.62	21.85	21.23			
		836.5MHz	21.69	21.88	21.33			
		825.5MHz	21.70	21.90	21.17			
	8RB_7	847.5MHz	21.62	21.21	20.30	23.0	22.5	21.5
		836.5MHz	21.64	21.18	20.32			
		825.5MHz	21.63	21.11	20.29			
	8RB_4	847.5MHz	21.59	21.16	20.25			
		836.5MHz	21.62	21.30	20.34			
		825.5MHz	21.62	21.14	20.22			
	8RB_0	847.5MHz	21.63	21.14	20.32			
		836.5MHz	21.62	21.20	20.25			
		825.5MHz	21.63	21.12	20.28			
	15RB_0	847.5MHz	21.61	21.12	20.26			
		836.5MHz	21.66	21.12	20.30			
		825.5MHz	21.61	21.09	20.20			



Ant.1 – Power Level A2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5MHz	21.71	21.80	21.29	23.0	23.0	22.5
		836.5MHz	21.73	21.81	21.35			
		826.5MHz	21.74	21.82	21.34			
	1RB_12	846.5MHz	21.70	21.75	21.23			
		836.5MHz	21.77	21.85	21.40			
		826.5MHz	21.72	21.83	21.28			
	1RB_0	846.5MHz	21.62	21.71	21.20			
		836.5MHz	21.77	21.95	21.33			
		826.5MHz	21.59	21.84	21.29			
	12RB_13	846.5MHz	21.58	21.08	20.23	23.0	22.5	21.5
		836.5MHz	21.66	21.10	20.33			
		826.5MHz	21.61	21.06	20.18			
	12RB_6	846.5MHz	21.56	21.04	20.21			
		836.5MHz	21.75	21.23	20.31			
		826.5MHz	21.65	21.15	20.29			
	12RB_0	846.5MHz	21.71	21.12	20.35			
		836.5MHz	21.76	21.17	20.36			
		826.5MHz	21.58	21.07	20.36			
	25RB_0	846.5MHz	21.58	21.15	20.26			
		836.5MHz	21.77	21.15	20.28			
		826.5MHz	21.59	21.13	20.27			



Ant.1 – Power Level A2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0MHz	21.73	21.88	21.30	23.0	23.0	22.5
		836.5MHz	21.78	21.95	21.32			
		829.0MHz	21.79	21.91	21.21			
	1RB_24	844.0MHz	21.71	21.80	21.33			
		836.5MHz	21.73	21.92	21.42			
		829.0MHz	21.67	21.84	21.35			
	1RB_0	844.0MHz	21.73	21.87	21.25			
		836.5MHz	21.64	21.85	21.27			
		829.0MHz	21.71	21.89	21.12			
	25RB_25	844.0MHz	21.61	21.10	20.20	23.0	22.5	21.5
		836.5MHz	21.77	21.25	20.38			
		829.0MHz	21.73	21.19	20.29			
	25RB_12	844.0MHz	21.61	21.13	20.29			
		836.5MHz	21.73	21.17	20.33			
		829.0MHz	21.63	21.11	20.26			
	25RB_0	844.0MHz	21.58	21.10	20.26			
		836.5MHz	21.76	21.21	20.31			
		829.0MHz	21.67	21.22	20.25			
	50RB_0	844.0MHz	21.66	21.13	20.27			
		836.5MHz	21.82	21.18	20.36			
		829.0MHz	21.68	21.16	20.34			



Ant.1 – Power Level B2											
LTE Band 5			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	848.3MHz	21.09	21.36	21.13	22.5	22.5	22.5			
		836.5MHz	21.14	21.43	21.25						
		824.7MHz	21.11	21.30	21.17						
	1RB_3	848.3MHz	21.09	21.33	21.16						
		836.5MHz	21.09	21.36	21.33						
		824.7MHz	21.17	21.28	21.26						
	1RB_0	848.3MHz	21.06	21.38	21.22						
		836.5MHz	21.11	21.36	21.21						
		824.7MHz	21.08	21.34	21.30						
	3RB_3	848.3MHz	21.07	21.05	21.21						
		836.5MHz	21.20	21.12	21.33						
		824.7MHz	21.22	21.15	21.24						
	3RB_1	848.3MHz	21.12	21.12	21.15						
		836.5MHz	21.24	21.20	21.29						
		824.7MHz	21.12	21.11	21.21						
	3RB_0	848.3MHz	21.09	21.18	21.13						
		836.5MHz	21.17	21.24	21.24						
		824.7MHz	21.13	21.15	21.20						
	6RB_0	848.3MHz	21.09	21.16	20.15				22.5	22.5	21.5
		836.5MHz	21.23	21.26	20.34						
		824.7MHz	21.10	21.11	20.17						



Ant.1 – Power Level B2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5MHz	21.06	21.29	21.14	22.5	22.5	22.5
		836.5MHz	21.11	21.32	21.26			
		825.5MHz	21.13	21.33	21.27			
	1RB_7	847.5MHz	21.08	21.26	21.25			
		836.5MHz	21.16	21.34	21.33			
		825.5MHz	21.19	21.37	21.27			
	1RB_0	847.5MHz	21.12	21.34	21.21			
		836.5MHz	21.17	21.36	21.27			
		825.5MHz	21.13	21.36	21.15			
	8RB_7	847.5MHz	21.10	21.13	20.33	22.5	22.5	21.5
		836.5MHz	21.17	21.22	20.32			
		825.5MHz	21.03	21.11	20.24			
	8RB_4	847.5MHz	21.06	21.18	20.31			
		836.5MHz	21.11	21.25	20.31			
		825.5MHz	21.06	21.19	20.22			
	8RB_0	847.5MHz	21.07	21.20	20.33			
		836.5MHz	21.20	21.24	20.24			
		825.5MHz	21.14	21.16	20.29			
	15RB_0	847.5MHz	21.05	21.09	20.23			
		836.5MHz	21.14	21.14	20.28			
		825.5MHz	21.09	21.02	20.17			



Ant.1 – Power Level B2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5MHz	21.22	21.32	21.26	22.5	22.5	22.5
		836.5MHz	21.18	21.34	21.35			
		826.5MHz	21.27	21.36	21.29			
	1RB_12	846.5MHz	21.19	21.32	21.22			
		836.5MHz	21.33	21.27	21.33			
		826.5MHz	21.14	21.38	21.32			
	1RB_0	846.5MHz	21.06	21.23	21.20			
		836.5MHz	21.26	21.44	21.27			
		826.5MHz	21.07	21.40	21.34			
	12RB_13	846.5MHz	21.11	21.10	20.27	22.5	22.5	21.5
		836.5MHz	21.13	21.10	20.37			
		826.5MHz	21.13	21.10	20.25			
	12RB_6	846.5MHz	21.14	21.08	20.22			
		836.5MHz	21.21	21.16	20.39			
		826.5MHz	21.18	21.13	20.32			
	12RB_0	846.5MHz	21.24	21.18	20.34			
		836.5MHz	21.21	21.14	20.35			
		826.5MHz	21.14	21.11	20.35			
	25RB_0	846.5MHz	21.16	21.06	20.29			
		836.5MHz	21.23	21.19	20.30			
		826.5MHz	21.12	21.15	20.28			



Ant.1 – Power Level B2								
LTE Band 5			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0MHz	21.20	21.30	21.25	22.5	22.5	22.5
		836.5MHz	21.21	21.39	21.38			
		829.0MHz	21.27	21.45	21.25			
	1RB_24	844.0MHz	21.21	21.32	21.29			
		836.5MHz	21.24	21.46	21.38			
		829.0MHz	21.20	21.38	21.38			
	1RB_0	844.0MHz	21.17	21.33	21.25			
		836.5MHz	21.15	21.32	21.25			
		829.0MHz	21.23	21.37	21.03			
	25RB_25	844.0MHz	21.09	21.12	20.18	22.5	22.5	21.5
		836.5MHz	21.25	21.21	20.34			
		829.0MHz	21.22	21.19	20.31			
	25RB_12	844.0MHz	21.16	21.18	20.29			
		836.5MHz	21.24	21.22	20.36			
		829.0MHz	21.20	21.14	20.23			
	25RB_0	844.0MHz	21.12	21.06	20.22			
		836.5MHz	21.23	21.24	20.37			
		829.0MHz	21.23	21.19	20.26			
	50RB_0	844.0MHz	21.18	21.10	20.25			
		836.5MHz	21.31	21.25	20.40			
		829.0MHz	21.17	21.15	20.27			



LTE Band 7 Ant.0

Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2567.5	22.58	21.81	20.76	23.5	22.5	21.5
		2535.0	22.48	21.90	20.82			
		2502.5	22.63	21.86	20.86			
	1RB_12	2567.5	22.57	21.82	20.87			
		2535.0	22.58	21.91	20.80			
		2502.5	22.58	21.89	20.80			
	1RB_0	2567.5	22.47	21.79	20.69			
		2535.0	22.48	21.86	20.75			
		2502.5	22.61	21.89	20.79			
	12RB_13	2567.5	21.71	20.67	19.69	22.5	21.5	20.5
		2535.0	21.61	20.57	19.55			
		2502.5	21.68	20.67	19.67			
	12RB_6	2567.5	21.70	20.67	19.72			
		2535.0	21.62	20.63	19.64			
		2502.5	21.71	20.69	19.69			
	12RB_0	2567.5	21.72	20.66	19.67			
		2535.0	21.68	20.62	19.70			
		2502.5	21.68	20.65	19.66			
	25RB_0	2567.5	21.72	20.72	19.71			
		2535.0	21.62	20.63	19.57			
		2502.5	21.71	20.70	19.68			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2565.0	22.58	21.99	20.86	23.5	22.5	21.5
		2535.0	22.51	21.80	20.78			
		2505.0	22.51	21.90	20.83			
	1RB_24	2565.0	22.52	21.98	20.90			
		2535.0	22.53	21.89	20.77			
		2505.0	22.54	21.76	20.75			
	1RB_0	2565.0	22.49	21.88	20.76			
		2535.0	22.46	21.77	20.73			
		2505.0	22.52	21.81	20.70			
	25RB_25	2565.0	21.73	20.71	19.69	22.5	21.5	20.5
		2535.0	21.63	20.61	19.62			
		2505.0	21.72	20.71	19.70			
	25RB_12	2565.0	21.69	20.68	19.65			
		2535.0	21.64	20.65	19.60			
		2505.0	21.66	20.67	19.65			
	25RB_0	2565.0	21.70	20.69	19.72			
		2535.0	21.69	20.70	19.69			
		2505.0	21.69	20.69	19.68			
	50RB_0	2565.0	21.72	20.68	19.71			
		2535.0	21.69	20.70	19.63			
		2505.0	21.73	20.70	19.68			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2562.5	22.56	21.88	20.82	23.5	22.5	21.5
		2535.0	22.42	21.86	20.59			
		2507.5	22.50	21.88	20.76			
	1RB_37	2562.5	22.54	21.90	20.74			
		2535.0	22.44	21.86	20.83			
		2507.5	22.60	21.98	20.84			
	1RB_0	2562.5	22.34	21.75	20.71			
		2535.0	22.37	21.78	20.52			
		2507.5	22.42	21.85	20.72			
	36RB_38	2562.5	21.72	20.74	19.74	22.5	21.5	20.5
		2535.0	21.63	20.63	19.63			
		2507.5	21.71	20.72	19.74			
	36RB_19	2562.5	21.65	20.67	19.66			
		2535.0	21.60	20.62	19.63			
		2507.5	21.66	20.63	19.64			
	36RB_0	2562.5	21.61	20.64	19.65			
		2535.0	21.62	20.64	19.70			
		2507.5	21.64	20.65	19.64			
	75RB_0	2562.5	21.68	20.67	19.70			
		2535.0	21.64	20.66	19.63			
		2507.5	21.66	20.67	19.63			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2560.0	22.53	21.95	20.77	23.5	22.5	21.5
		2535.0	22.50	21.75	20.70			
		2510.0	22.42	21.73	20.79			
	1RB_50	2560.0	22.55	21.82	20.86			
		2535.0	22.51	21.83	20.84			
		2510.0	22.52	21.76	20.64			
	1RB_0	2560.0	22.37	21.70	20.46			
		2535.0	22.29	21.57	20.51			
		2510.0	22.39	21.74	20.62			
	50RB_50	2560.0	21.61	20.65	19.60	22.5	21.5	20.5
		2535.0	21.65	20.62	19.60			
		2510.0	21.73	20.68	19.68			
	50RB_25	2560.0	21.80	20.68	19.64			
		2535.0	21.64	20.65	19.64			
		2510.0	21.65	20.62	19.61			
	50RB_0	2560.0	21.61	20.58	19.59			
		2535.0	21.64	20.65	19.66			
		2510.0	21.64	20.61	19.64			
	100RB_0	2560.0	21.65	20.58	19.60			
		2535.0	21.64	20.63	19.66			
		2510.0	21.64	20.64	19.62			



Ant.0 – Power Level C2/D2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2567.5	21.58	21.83	20.77	22.5	22.5	21.5
		2535.0	21.50	21.91	20.84			
		2502.5	21.64	21.86	20.88			
	1RB_12	2567.5	21.59	21.81	20.89			
		2535.0	21.60	21.92	20.80			
		2502.5	21.56	21.90	20.78			
	1RB_0	2567.5	21.47	21.79	20.69			
		2535.0	21.49	21.88	20.77			
		2502.5	21.63	21.87	20.79			
	12RB_13	2567.5	21.69	20.69	19.70	22.5	21.5	20.5
		2535.0	21.62	20.56	19.57			
		2502.5	21.68	20.65	19.68			
	12RB_6	2567.5	21.71	20.68	19.74			
		2535.0	21.63	20.64	19.66			
		2502.5	21.71	20.67	19.70			
	12RB_0	2567.5	21.73	20.68	19.68			
		2535.0	21.68	20.61	19.70			
		2502.5	21.66	20.67	19.65			
	25RB_0	2567.5	21.74	20.71	19.72			
		2535.0	21.60	20.65	19.55			
		2502.5	21.71	20.69	19.66			



Ant.0 – Power Level C2/D2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2565.0	21.57	22.01	20.88	22.5	22.5	21.5
		2535.0	21.52	21.81	20.77			
		2505.0	21.50	21.92	20.84			
	1RB_24	2565.0	21.53	21.97	20.91			
		2535.0	21.53	21.89	20.75			
		2505.0	21.53	21.74	20.74			
	1RB_0	2565.0	21.51	21.87	20.76			
		2535.0	21.46	21.75	20.72			
		2505.0	21.51	21.83	20.72			
	25RB_25	2565.0	21.73	20.72	19.68	22.5	21.5	20.5
		2535.0	21.64	20.63	19.62			
		2505.0	21.74	20.70	19.70			
	25RB_12	2565.0	21.68	20.68	19.65			
		2535.0	21.65	20.66	19.59			
		2505.0	21.65	20.65	19.63			
	25RB_0	2565.0	21.72	20.71	19.71			
		2535.0	21.68	20.70	19.69			
		2505.0	21.67	20.67	19.69			
	50RB_0	2565.0	21.73	20.70	19.69			
		2535.0	21.69	20.70	19.65			
		2505.0	21.73	20.70	19.66			



Ant.0 – Power Level C2/D2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2562.5	21.54	21.86	20.82	22.5	22.5	21.5
		2535.0	21.41	21.86	20.60			
		2507.5	21.48	21.86	20.74			
	1RB_37	2562.5	21.54	21.92	20.72			
		2535.0	21.46	21.88	20.85			
		2507.5	21.61	21.98	20.82			
	1RB_0	2562.5	21.36	21.75	20.71			
		2535.0	21.38	21.76	20.53			
		2507.5	21.40	21.86	20.74			
	36RB_38	2562.5	21.71	20.73	19.75	22.5	21.5	20.5
		2535.0	21.62	20.61	19.64			
		2507.5	21.71	20.71	19.72			
	36RB_19	2562.5	21.64	20.67	19.65			
		2535.0	21.60	20.60	19.61			
		2507.5	21.67	20.65	19.63			
	36RB_0	2562.5	21.59	20.66	19.66			
		2535.0	21.64	20.62	19.71			
		2507.5	21.63	20.64	19.64			
	75RB_0	2562.5	21.67	20.67	19.68			
		2535.0	21.63	20.66	19.65			
		2507.5	21.64	20.68	19.62			



Ant.0 – Power Level C2/D2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2560.0	21.54	21.95	20.79	22.5	22.5	21.5
		2535.0	21.51	21.75	20.70			
		2510.0	21.42	21.73	20.78			
	1RB_50	2560.0	21.56	21.84	20.84			
		2535.0	21.53	21.85	20.86			
		2510.0	21.52	21.78	20.66			
	1RB_0	2560.0	21.39	21.72	20.46			
		2535.0	21.27	21.56	20.52			
		2510.0	21.39	21.73	20.61			
	50RB_50	2560.0	21.59	20.67	19.60	22.5	21.5	20.5
		2535.0	21.64	20.60	19.62			
		2510.0	21.73	20.67	19.70			
	50RB_25	2560.0	21.80	20.66	19.63			
		2535.0	21.63	20.66	19.65			
		2510.0	21.67	20.60	19.61			
	50RB_0	2560.0	21.59	20.60	19.59			
		2535.0	21.65	20.63	19.67			
		2510.0	21.62	20.59	19.63			
	100RB_0	2560.0	21.65	20.59	19.58			
		2535.0	21.62	20.63	19.66			
		2510.0	21.62	20.66	19.63			



LTE Band 7 Ant.1

Ant.1 – Power Level A1/B1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2567.5	14.41	14.65	14.56	15.5	15.5	15.5
		2535.0	14.33	14.62	14.50			
		2502.5	14.29	14.62	14.51			
	1RB_12	2567.5	14.45	14.68	14.58			
		2535.0	14.34	14.63	14.57			
		2502.5	14.35	14.65	14.55			
	1RB_0	2567.5	14.33	14.60	14.48			
		2535.0	14.28	14.62	14.49			
		2502.5	14.29	14.59	14.45			
	12RB_13	2567.5	14.47	14.47	14.51	15.5	15.5	15.5
		2535.0	14.35	14.31	14.33			
		2502.5	14.32	14.31	14.37			
	12RB_6	2567.5	14.44	14.42	14.44			
		2535.0	14.38	14.33	14.38			
		2502.5	14.32	14.28	14.32			
	12RB_0	2567.5	14.45	14.43	14.41			
		2535.0	14.33	14.30	14.39			
		2502.5	14.26	14.25	14.29			
	25RB_0	2567.5	14.47	14.43	14.45			
		2535.0	14.32	14.30	14.31			
		2502.5	14.36	14.34	14.36			



Ant.1 – Power Level A1/B1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2565.0	14.50	14.80	14.64	15.5	15.5	15.5
		2535.0	14.37	14.64	14.49			
		2505.0	14.37	14.60	14.51			
	1RB_24	2565.0	14.48	14.77	14.53			
		2535.0	14.41	14.66	14.54			
		2505.0	14.39	14.64	14.54			
	1RB_0	2565.0	14.37	14.65	14.39			
		2535.0	14.31	14.57	14.43			
		2505.0	14.34	14.57	14.47			
	25RB_25	2565.0	14.56	14.53	14.53	15.5	15.5	15.5
		2535.0	14.43	14.47	14.46			
		2505.0	14.44	14.47	14.41			
	25RB_12	2565.0	14.41	14.50	14.43			
		2535.0	14.41	14.42	14.40			
		2505.0	14.35	14.40	14.36			
	25RB_0	2565.0	14.43	14.45	14.45			
		2535.0	14.40	14.41	14.34			
		2505.0	14.32	14.35	14.29			
	50RB_0	2565.0	14.47	14.48	14.47			
		2535.0	14.46	14.42	14.40			
		2505.0	14.41	14.39	14.38			



Ant.1 – Power Level A1/B1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2562.5	14.56	14.81	14.63	15.5	15.5	15.5
		2535.0	14.40	14.68	14.44			
		2507.5	14.33	14.59	14.44			
	1RB_37	2562.5	14.50	14.76	14.58			
		2535.0	14.43	14.68	14.51			
		2507.5	14.42	14.67	14.52			
	1RB_0	2562.5	14.30	14.54	14.41			
		2535.0	14.33	14.55	14.33			
		2507.5	14.34	14.57	14.43			
	36RB_38	2562.5	14.62	14.57	14.58	15.5	15.5	15.5
		2535.0	14.47	14.45	14.51			
		2507.5	14.46	14.46	14.47			
	36RB_19	2562.5	14.55	14.47	14.49			
		2535.0	14.43	14.42	14.44			
		2507.5	14.37	14.37	14.38			
	36RB_0	2562.5	14.45	14.46	14.50			
		2535.0	14.41	14.37	14.45			
		2507.5	14.28	14.31	14.33			
	75RB_0	2562.5	14.60	14.54	14.50			
		2535.0	14.50	14.47	14.44			
		2507.5	14.45	14.39	14.38			



Ant.1 – Power Level A1/B1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2560.0	14.62	14.81	14.81	15.5	15.5	15.5
		2535.0	14.45	14.79	14.67			
		2510.0	14.43	14.59	14.54			
	1RB_50	2560.0	14.59	14.74	14.74			
		2535.0	14.57	14.78	14.67			
		2510.0	14.51	14.71	14.50			
	1RB_0	2560.0	14.40	14.52	14.56			
		2535.0	14.26	14.49	14.44			
		2510.0	14.33	14.46	14.44			
	50RB_50	2560.0	14.69	14.65	14.58	15.5	15.5	15.5
		2535.0	14.64	14.59	14.59			
		2510.0	14.54	14.52	14.47			
	50RB_25	2560.0	14.63	14.61	14.56			
		2535.0	14.62	14.53	14.51			
		2510.0	14.47	14.46	14.41			
	50RB_0	2560.0	14.60	14.60	14.59			
		2535.0	14.51	14.51	14.42			
		2510.0	14.42	14.33	14.29			
	100RB_0	2560.0	14.63	14.59	14.57			
		2535.0	14.61	14.53	14.54			
		2510.0	14.42	14.38	14.38			



Ant.1 – Power Level C1/D1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2567.5	18.08	18.40	18.29	19.0	19.0	19.0
		2535.0	17.99	18.38	18.22			
		2502.5	18.02	18.30	18.22			
	1RB_12	2567.5	18.11	18.41	18.28			
		2535.0	18.01	18.37	18.26			
		2502.5	18.00	18.27	18.20			
	1RB_0	2567.5	18.03	18.31	18.20			
		2535.0	17.97	18.33	18.23			
		2502.5	17.97	18.28	18.19			
	12RB_13	2567.5	18.12	18.08	18.15	19.0	19.0	19.0
		2535.0	17.93	17.94	17.99			
		2502.5	18.00	17.99	17.99			
	12RB_6	2567.5	18.10	18.05	18.10			
		2535.0	18.00	17.95	18.00			
		2502.5	17.97	17.96	17.98			
	12RB_0	2567.5	18.09	18.05	18.16			
		2535.0	18.01	17.95	17.99			
		2502.5	17.92	17.95	17.97			
	25RB_0	2567.5	18.13	18.10	18.13			
		2535.0	17.99	18.01	17.98			
		2502.5	17.99	18.01	18.01			



Ant.1 – Power Level C1/D1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2565.0	18.12	18.39	18.19	19.0	19.0	19.0
		2535.0	17.98	18.28	18.04			
		2505.0	18.00	18.36	18.08			
	1RB_24	2565.0	18.03	18.37	18.15			
		2535.0	17.97	18.29	18.06			
		2505.0	18.00	18.38	18.13			
	1RB_0	2565.0	17.97	18.25	18.05			
		2535.0	17.93	18.24	17.97			
		2505.0	17.89	18.31	18.10			
	25RB_25	2565.0	18.12	18.15	18.20	19.0	19.0	19.0
		2535.0	18.07	18.05	18.06			
		2505.0	18.06	18.11	18.07			
	25RB_12	2565.0	18.07	18.06	18.12			
		2535.0	18.00	17.99	18.02			
		2505.0	18.01	18.02	18.01			
	25RB_0	2565.0	18.06	18.08	18.12			
		2535.0	17.99	18.01	17.99			
		2505.0	17.95	17.97	17.96			
	50RB_0	2565.0	18.16	18.14	18.13			
		2535.0	18.05	18.03	18.06			
		2505.0	18.04	18.04	18.04			



Ant.1 – Power Level C1/D1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2562.5	18.10	18.48	18.29	19.0	19.0	19.0
		2535.0	17.95	18.30	18.12			
		2507.5	17.90	18.22	18.00			
	1RB_37	2562.5	18.07	18.47	18.26			
		2535.0	17.99	18.31	18.04			
		2507.5	18.00	18.33	18.07			
	1RB_0	2562.5	17.88	18.17	18.03			
		2535.0	17.89	18.15	17.97			
		2507.5	17.88	18.20	18.04			
	36RB_38	2562.5	18.14	18.12	18.18	19.0	19.0	19.0
		2535.0	18.05	18.03	18.08			
		2507.5	18.03	18.03	18.07			
	36RB_19	2562.5	18.06	18.08	18.09			
		2535.0	18.00	17.98	18.04			
		2507.5	17.97	17.97	17.98			
	36RB_0	2562.5	18.03	18.04	18.07			
		2535.0	17.98	18.01	17.99			
		2507.5	17.87	17.88	17.94			
	75RB_0	2562.5	18.13	18.13	18.13			
		2535.0	18.04	18.02	18.01			
		2507.5	18.02	17.98	17.99			



Ant.1 – Power Level C1/D1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2560.0	18.00	18.49	18.30	19.0	19.0	19.0
		2535.0	17.99	18.34	18.19			
		2510.0	17.93	18.29	18.09			
	1RB_50	2560.0	18.04	18.43	18.20			
		2535.0	18.05	18.31	18.20			
		2510.0	17.98	18.36	18.18			
	1RB_0	2560.0	17.87	18.15	18.03			
		2535.0	17.77	18.10	17.99			
		2510.0	17.86	18.21	18.01			
	50RB_50	2560.0	18.09	18.13	18.07	19.0	19.0	19.0
		2535.0	18.11	18.13	18.08			
		2510.0	18.05	18.05	18.07			
	50RB_25	2560.0	18.08	18.10	18.10			
		2535.0	18.07	18.03	18.07			
		2510.0	17.99	17.98	17.95			
	50RB_0	2560.0	18.10	18.11	18.09			
		2535.0	17.99	18.04	18.03			
		2510.0	17.93	17.90	17.89			
	100RB_0	2560.0	18.10	18.06	18.12			
		2535.0	18.09	18.06	18.06			
		2510.0	17.97	17.94	17.94			



LTE Band 7 Ant.4

Ant.4 – Power Level A2/B2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2567.5	18.41	18.45	18.47	19.0	19.0	19.0
		2535.0	18.19	18.22	18.23			
		2502.5	18.06	18.12	18.22			
	1RB_12	2567.5	18.47	18.44	18.36			
		2535.0	18.34	18.31	18.31			
		2502.5	18.17	18.03	18.00			
	1RB_0	2567.5	18.45	18.43	18.39			
		2535.0	18.07	18.03	18.12			
		2502.5	17.88	17.94	17.79			
	12RB_13	2567.5	18.43	18.43	17.33	19.0	19.0	18.0
		2535.0	18.21	18.19	17.18			
		2502.5	18.16	18.19	17.25			
	12RB_6	2567.5	18.44	18.49	17.41			
		2535.0	18.27	18.29	17.27			
		2502.5	18.15	18.17	17.13			
	12RB_0	2567.5	18.48	18.47	17.42			
		2535.0	18.27	18.27	17.27			
		2502.5	18.17	18.14	17.17			
	25RB_0	2567.5	18.42	18.41	17.43			
		2535.0	18.19	18.23	17.18			
		2502.5	18.17	18.12	17.13			



Ant.4 – Power Level A2/B2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2565.0	18.45	18.47	18.46	19.0	19.0	19.0
		2535.0	18.27	18.22	18.26			
		2505.0	18.09	18.17	18.21			
	1RB_24	2565.0	18.38	18.39	18.43			
		2535.0	18.34	18.37	18.33			
		2505.0	18.21	17.97	18.03			
	1RB_0	2565.0	18.44	18.39	18.45			
		2535.0	18.12	18.04	18.13			
		2505.0	17.87	17.86	17.87			
	25RB_25	2565.0	18.36	18.31	17.36	19.0	19.0	18.0
		2535.0	18.17	18.22	17.17			
		2505.0	18.18	18.27	17.26			
	25RB_12	2565.0	18.43	18.42	17.49			
		2535.0	18.28	18.27	17.31			
		2505.0	18.20	18.15	17.17			
	25RB_0	2565.0	18.46	18.46	17.40			
		2535.0	18.29	18.35	17.29			
		2505.0	18.18	18.17	17.23			
	50RB_0	2565.0	18.44	18.41	17.38			
		2535.0	18.25	18.24	17.12			
		2505.0	18.17	18.16	17.23			



Ant.4 – Power Level A2/B2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2562.5	18.44	18.48	18.47	19.0	19.0	19.0
		2535.0	18.21	18.29	18.23			
		2507.5	18.06	18.14	18.17			
	1RB_37	2562.5	18.35	18.47	18.34			
		2535.0	18.35	18.27	18.38			
		2507.5	18.16	17.93	17.97			
	1RB_0	2562.5	18.44	18.39	18.47			
		2535.0	18.09	18.05	18.12			
		2507.5	17.83	17.84	17.84			
	36RB_38	2562.5	18.37	18.41	17.32	19.0	19.0	18.0
		2535.0	18.18	18.25	17.19			
		2507.5	18.12	18.24	17.26			
	36RB_19	2562.5	18.43	18.43	17.46			
		2535.0	18.27	18.33	17.27			
		2507.5	18.19	18.17	17.13			
	36RB_0	2562.5	18.47	18.47	17.46			
		2535.0	18.24	18.24	17.23			
		2507.5	18.17	18.15	17.25			
	75RB_0	2562.5	18.34	18.35	17.42			
		2535.0	18.25	18.26	17.17			
		2507.5	18.20	18.08	17.16			



Ant.4 – Power Level A2/B2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2560.0	18.39	18.45	18.47	19.0	19.0	19.0
		2535.0	18.24	18.27	18.22			
		2510.0	18.11	18.15	18.14			
	1RB_50	2560.0	18.40	18.45	18.39			
		2535.0	18.34	18.31	18.31			
		2510.0	18.19	17.97	18.00			
	1RB_0	2560.0	18.39	18.41	18.43			
		2535.0	18.07	18.09	18.10			
		2510.0	17.88	17.87	17.85			
	50RB_50	2560.0	18.36	18.35	17.36	19.0	19.0	18.0
		2535.0	18.22	18.22	17.17			
		2510.0	18.19	18.22	17.26			
	50RB_25	2560.0	18.46	18.44	17.45			
		2535.0	18.28	18.26	17.26			
		2510.0	18.14	18.13	17.13			
	50RB_0	2560.0	18.48	18.46	17.40			
		2535.0	18.23	18.28	17.29			
		2510.0	18.13	18.15	17.19			
	100RB_0	2560.0	18.39	18.37	17.41			
		2535.0	18.21	18.19	17.17			
		2510.0	18.18	18.15	17.17			



Ant.4 – Power Level C2/D2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2567.5	19.88	19.49	18.45	20.5	20.0	19.0
		2535.0	19.70	19.25	18.24			
		2502.5	19.56	19.14	18.19			
	1RB_12	2567.5	19.97	19.48	18.37			
		2535.0	19.83	19.31	18.28			
		2502.5	19.66	19.03	17.99			
	1RB_0	2567.5	19.96	19.40	18.37			
		2535.0	19.57	19.03	18.13			
		2502.5	19.36	18.94	17.80			
	12RB_13	2567.5	19.44	18.40	17.31	20.0	19.0	18.0
		2535.0	19.22	18.17	17.17			
		2502.5	19.14	18.16	17.25			
	12RB_6	2567.5	19.45	18.45	17.42			
		2535.0	19.27	18.25	17.26			
		2502.5	19.19	18.17	17.14			
	12RB_0	2567.5	19.49	18.49	17.42			
		2535.0	19.25	18.24	17.25			
		2502.5	19.15	18.13	17.16			
	25RB_0	2567.5	19.39	18.40	17.39			
		2535.0	19.22	18.23	17.19			
		2502.5	19.17	18.13	17.13			



Ant.4 – Power Level C2/D2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2565.0	19.94	19.46	18.49	20.5	20.0	19.0
		2535.0	19.75	19.23	18.26			
		2505.0	19.56	19.19	18.22			
	1RB_24	2565.0	19.91	19.40	18.43			
		2535.0	19.85	19.34	18.35			
		2505.0	19.70	18.98	18.06			
	1RB_0	2565.0	19.96	19.39	18.43			
		2535.0	19.62	19.07	18.12			
		2505.0	19.40	18.84	17.87			
	25RB_25	2565.0	19.34	18.34	17.36	20.0	19.0	18.0
		2535.0	19.17	18.22	17.18			
		2505.0	19.21	18.29	17.25			
	25RB_12	2565.0	19.44	18.42	17.49			
		2535.0	19.26	18.23	17.30			
		2505.0	19.20	18.14	17.17			
	25RB_0	2565.0	19.45	18.49	17.37			
		2535.0	19.26	18.31	17.28			
		2505.0	19.14	18.18	17.23			
	50RB_0	2565.0	19.43	18.39	17.38			
		2535.0	19.25	18.26	17.16			
		2505.0	19.21	18.17	17.22			



Ant.4 – Power Level C2/D2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2562.5	19.92	19.49	18.48	20.5	20.0	19.0
		2535.0	19.73	19.27	18.21			
		2507.5	19.57	19.14	18.17			
	1RB_37	2562.5	19.86	19.45	18.32			
		2535.0	19.88	19.27	18.34			
		2507.5	19.63	18.95	17.98			
	1RB_0	2562.5	19.91	19.41	18.46			
		2535.0	19.61	19.06	18.10			
		2507.5	19.32	18.83	17.83			
	36RB_38	2562.5	19.38	18.39	17.32	20.0	19.0	18.0
		2535.0	19.21	18.24	17.18			
		2507.5	19.13	18.25	17.28			
	36RB_19	2562.5	19.45	18.45	17.44			
		2535.0	19.28	18.33	17.28			
		2507.5	19.21	18.13	17.13			
	36RB_0	2562.5	19.47	18.47	17.46			
		2535.0	19.20	18.22	17.25			
		2507.5	19.16	18.19	17.22			
	75RB_0	2562.5	19.37	18.36	17.40			
		2535.0	19.24	18.26	17.19			
		2507.5	19.17	18.08	17.20			



Ant.4 – Power Level C2/D2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2560.0	19.90	19.44	18.43	20.5	20.0	19.0
		2535.0	19.74	19.28	18.24			
		2510.0	19.58	19.15	18.17			
	1RB_50	2560.0	19.91	19.42	18.40			
		2535.0	19.82	19.32	18.33			
		2510.0	19.65	18.98	18.03			
	1RB_0	2560.0	19.90	19.38	18.42			
		2535.0	19.59	19.08	18.10			
		2510.0	19.40	18.90	17.83			
	50RB_50	2560.0	19.39	18.37	17.35	20.0	19.0	18.0
		2535.0	19.22	18.20	17.17			
		2510.0	19.17	18.22	17.27			
	50RB_25	2560.0	19.47	18.42	17.49			
		2535.0	19.28	18.27	17.28			
		2510.0	19.17	18.14	17.11			
	50RB_0	2560.0	19.48	18.43	17.40			
		2535.0	19.26	18.30	17.27			
		2510.0	19.13	18.17	17.19			
	100RB_0	2560.0	19.38	18.35	17.41			
		2535.0	19.23	18.22	17.13			
		2510.0	19.19	18.15	17.16			



LTE Band 12 Ant.0

Ant.0 – Power Level A1/B1/C1/D1											
LTE Band 12			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	715.3	23.36	22.56	21.66	24.5	23.5	22.5			
		707.5	23.30	22.57	21.66						
		699.7	23.37	22.67	21.72						
	1RB_3	715.3	23.37	22.57	21.70						
		707.5	23.30	22.65	21.67						
		699.7	23.40	22.58	21.73						
	1RB_0	715.3	23.32	22.54	21.66						
		707.5	23.31	22.63	21.63						
		699.7	23.34	22.54	21.69						
	3RB_3	715.3	23.42	22.42	21.63						
		707.5	23.36	22.38	21.54						
		699.7	23.39	22.35	21.66						
	3RB_1	715.3	23.40	22.42	21.66						
		707.5	23.38	22.42	21.66						
		699.7	23.35	22.39	21.66						
	3RB_0	715.3	23.37	22.38	21.68						
		707.5	23.43	22.39	21.62						
		699.7	23.34	22.37	21.63						
	6RB_0	715.3	22.40	21.62	20.52				23.5	22.5	21.5
		707.5	22.40	21.62	20.52						
		699.7	22.34	21.58	20.42						



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	714.5	23.35	22.58	21.72	24.5	23.5	22.5
		707.5	23.39	22.60	21.68			
		700.5	23.33	22.58	21.70			
	1RB_7	714.5	23.39	22.69	21.54			
		707.5	23.41	22.62	21.66			
		700.5	23.36	22.62	21.66			
	1RB_0	714.5	23.31	22.60	21.55			
		707.5	23.39	22.62	21.68			
		700.5	23.28	22.54	21.62			
	8RB_7	714.5	22.38	21.57	20.56	23.5	22.5	21.5
		707.5	22.35	21.60	20.48			
		700.5	22.32	21.57	20.54			
	8RB_4	714.5	22.36	21.55	20.53			
		707.5	22.35	21.62	20.58			
		700.5	22.34	21.59	20.52			
	8RB_0	714.5	22.37	21.56	20.60			
		707.5	22.33	21.57	20.57			
		700.5	22.31	21.59	20.50			
	15RB_0	714.5	22.36	21.49	20.49			
		707.5	22.33	21.54	20.49			
		700.5	22.36	21.53	20.55			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	713.5	23.44	22.64	21.74	24.5	23.5	22.5
		707.5	23.50	22.65	21.67			
		701.5	23.45	22.74	21.75			
	1RB_12	713.5	23.39	22.58	21.68			
		707.5	23.45	22.61	21.66			
		701.5	23.36	22.64	21.73			
	1RB_0	713.5	23.35	22.57	21.67			
		707.5	23.44	22.59	21.69			
		701.5	23.41	22.58	21.69			
	12RB_13	713.5	22.31	21.42	20.48	23.5	22.5	21.5
		707.5	22.37	21.48	20.53			
		701.5	22.37	21.50	20.50			
	12RB_6	713.5	22.39	21.49	20.53			
		707.5	22.38	21.55	20.57			
		701.5	22.32	21.48	20.51			
	12RB_0	713.5	22.34	21.48	20.55			
		707.5	22.41	21.58	20.62			
		701.5	22.37	21.49	20.56			
	25RB_0	713.5	22.36	21.51	20.48			
		707.5	22.37	21.56	20.53			
		701.5	22.37	21.56	20.54			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	711.0	23.51	22.73	21.81	24.5	23.5	22.5
		707.5	23.54	22.74	21.80			
		704.0	23.47	22.72	21.80			
	1RB_24	711.0	23.46	22.69	21.56			
		707.5	23.54	22.72	21.77			
		704.0	23.45	22.68	21.63			
	1RB_0	711.0	23.40	22.68	21.60			
		707.5	23.42	22.53	21.65			
		704.0	23.37	22.63	21.64			
	25RB_25	711.0	22.44	21.59	20.57	23.5	22.5	21.5
		707.5	22.40	21.54	20.54			
		704.0	22.45	21.60	20.59			
	25RB_12	711.0	22.44	21.56	20.59			
		707.5	22.43	21.61	20.57			
		704.0	22.41	21.60	20.57			
	25RB_0	711.0	22.45	21.58	20.57			
		707.5	22.39	21.56	20.56			
		704.0	22.33	21.46	20.49			
	50RB_0	711.0	22.47	21.58	20.60			
		707.5	22.41	21.57	20.55			
		704.0	22.41	21.55	20.52			



LTE Band 12 Ant.1

Ant.1 – Power Level A1/B1/C1/D1											
LTE Band 12			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	715.3	23.55	22.75	21.77	24.5	23.5	22.5			
		707.5	23.38	22.69	21.71						
		699.7	23.41	22.58	21.82						
	1RB_3	715.3	23.45	22.71	21.80						
		707.5	23.39	22.70	21.74						
		699.7	23.40	22.62	21.71						
	1RB_0	715.3	23.42	22.66	21.76						
		707.5	23.39	22.68	21.75						
		699.7	23.41	22.63	21.67						
	3RB_3	715.3	23.47	22.48	21.63						
		707.5	23.44	22.36	21.69						
		699.7	23.49	22.45	21.68						
	3RB_1	715.3	23.48	22.47	21.78						
		707.5	23.46	22.49	21.64						
		699.7	23.44	22.46	21.61						
	3RB_0	715.3	23.48	22.45	21.65						
		707.5	23.48	22.48	21.65						
		699.7	23.43	22.39	21.66						
	6RB_0	715.3	22.47	21.68	20.59				23.5	22.5	21.5
		707.5	22.46	21.67	20.58						
		699.7	22.44	21.61	20.51						



Ant.1 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	714.5	23.44	22.74	21.82	24.5	23.5	22.5
		707.5	23.41	22.71	21.66			
		700.5	23.48	22.71	21.73			
	1RB_7	714.5	23.38	22.79	21.83			
		707.5	23.46	22.62	21.80			
		700.5	23.49	22.70	21.79			
	1RB_0	714.5	23.40	22.64	21.75			
		707.5	23.40	22.63	21.80			
		700.5	23.43	22.62	21.70			
	8RB_7	714.5	22.45	21.66	20.63	23.5	22.5	23.5
		707.5	22.45	21.64	20.61			
		700.5	22.43	21.65	20.58			
	8RB_4	714.5	22.42	21.62	20.57			
		707.5	22.44	21.67	20.58			
		700.5	22.43	21.66	20.63			
	8RB_0	714.5	22.45	21.61	20.63			
		707.5	22.43	21.64	20.60			
		700.5	22.39	21.59	20.63			
	15RB_0	714.5	22.44	21.58	20.56			
		707.5	22.42	21.64	20.58			
		700.5	22.44	21.61	20.54			



Ant.1 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	713.5	23.55	22.72	21.80	24.5	23.5	22.5
		707.5	23.54	22.80	21.80			
		701.5	23.45	22.74	21.66			
	1RB_12	713.5	23.53	22.74	21.70			
		707.5	23.51	22.75	21.79			
		701.5	23.47	22.76	21.68			
	1RB_0	713.5	23.44	22.65	21.83			
		707.5	23.48	22.62	21.80			
		701.5	23.43	22.65	21.71			
	12RB_13	713.5	22.38	21.55	20.60	23.5	22.5	23.5
		707.5	22.48	21.60	20.59			
		701.5	22.45	21.57	20.61			
	12RB_6	713.5	22.45	21.60	20.65			
		707.5	22.49	21.63	20.66			
		701.5	22.42	21.54	20.58			
	12RB_0	713.5	22.42	21.54	20.61			
		707.5	22.52	21.64	20.63			
		701.5	22.46	21.54	20.61			
	25RB_0	713.5	22.42	21.60	20.56			
		707.5	22.49	21.63	20.59			
		701.5	22.46	21.63	20.59			



Ant.1 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	711.0	23.61	22.80	21.84	24.5	23.5	22.5
		707.5	23.57	22.79	21.85			
		704.0	23.54	22.68	21.85			
	1RB_24	711.0	23.57	22.67	21.76			
		707.5	23.58	22.78	21.73			
		704.0	23.49	22.66	21.65			
	1RB_0	711.0	23.47	22.62	21.77			
		707.5	23.47	22.66	21.63			
		704.0	23.43	22.66	21.71			
	25RB_25	711.0	22.49	21.65	20.69	23.5	22.5	23.5
		707.5	22.54	21.62	20.61			
		704.0	22.52	21.67	20.61			
	25RB_12	711.0	22.52	21.65	20.64			
		707.5	22.52	21.68	20.66			
		704.0	22.46	21.63	20.59			
	25RB_0	711.0	22.56	21.73	20.69			
		707.5	22.50	21.67	20.63			
		704.0	22.44	21.58	20.59			
	50RB_0	711.0	22.58	21.70	20.65			
		707.5	22.52	21.67	20.65			
		704.0	22.47	21.59	20.61			



LTE Band 13 Ant.0

Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	784.5	23.56	22.74	21.61	24.5	23.5	22.5
		782.0	23.51	22.71	21.56			
		779.5	23.53	22.81	21.54			
	1RB_12	784.5	23.57	22.70	21.67			
		782.0	23.54	22.74	21.65			
		779.5	23.57	22.75	21.57			
	1RB_0	784.5	23.58	22.68	21.65			
		782.0	23.46	22.68	21.55			
		779.5	23.53	22.83	21.54			
	12RB_13	784.5	22.43	21.40	20.60	23.5	22.5	21.5
		782.0	22.45	21.42	20.63			
		779.5	22.46	21.42	20.65			
	12RB_6	784.5	22.45	21.40	20.58			
		782.0	22.50	21.48	20.63			
		779.5	22.45	21.39	20.65			
	12RB_0	784.5	22.46	21.45	20.60			
		782.0	22.49	21.46	20.66			
		779.5	22.47	21.37	20.59			
	25RB_0	784.5	22.47	21.47	20.59			
		782.0	22.48	21.49	20.61			
		779.5	22.44	21.46	20.60			
Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	782.0	23.42	22.67	21.64	24.5	23.5	22.5
	1RB_24	782.0	23.52	22.71	21.69			
	1RB_0	782.0	23.45	22.72	21.58			
	25RB_25	782.0	22.44	21.41	20.57	23.5	22.5	21.5
	25RB_12	782.0	22.47	21.50	20.65			
	25RB_0	782.0	22.45	21.45	20.63			
	50RB_0	782.0	22.46	21.45	20.62			



LTE Band 13 Ant.1

Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	784.5	23.62	22.90	21.81	24.5	23.5	22.5
		782.0	23.65	22.88	21.65			
		779.5	23.72	22.89	21.80			
	1RB_12	784.5	23.65	22.87	21.79			
		782.0	23.70	22.78	21.87			
		779.5	23.75	22.92	21.84			
	1RB_0	784.5	23.65	22.89	21.81			
		782.0	23.63	22.70	21.75			
		779.5	23.60	22.92	21.74			
	12RB_13	784.5	22.59	21.56	20.74	23.5	22.5	21.5
		782.0	22.58	21.49	20.71			
		779.5	22.61	21.56	20.77			
	12RB_6	784.5	22.55	21.55	20.71			
		782.0	22.61	21.56	20.73			
		779.5	22.62	21.59	20.75			
	12RB_0	784.5	22.61	21.56	20.73			
		782.0	22.67	21.64	20.76			
		779.5	22.61	21.54	20.75			
	25RB_0	784.5	22.64	21.59	20.76			
		782.0	22.57	21.59	20.77			
		779.5	22.65	21.57	20.72			
Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	782.0	23.61	22.82	21.72	24.5	23.5	22.5
	1RB_24	782.0	23.68	22.89	21.84			
	1RB_0	782.0	23.62	22.79	21.76			
	25RB_25	782.0	22.62	21.58	20.70	23.5	22.5	21.5
	25RB_12	782.0	22.60	21.63	20.80			
	25RB_0	782.0	22.60	21.62	20.78			
	50RB_0	782.0	22.65	21.59	20.79			



LTE Band 26 Ant.0

Ant.0 – Power Level A1/B1/C1/D1/A2/B2/C2/D2											
LTE Band 26			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	848.3	23.05	22.29	21.17	24.0	23.0	22.0			
		831.5	23.09	22.30	21.19						
		814.7	23.18	22.29	21.22						
	1RB_3	848.3	23.07	22.19	21.14						
		831.5	23.09	22.33	21.26						
		814.7	23.17	22.32	21.13						
	1RB_0	848.3	23.04	22.16	21.15						
		831.5	23.12	22.36	21.28						
		814.7	23.20	22.30	21.30						
	3RB_3	848.3	23.05	22.02	21.11						
		831.5	23.17	22.17	21.13						
		814.7	23.20	22.17	21.22						
	3RB_1	848.3	23.04	22.01	21.06						
		831.5	23.13	22.14	21.14						
		814.7	23.16	22.18	21.28						
	3RB_0	848.3	23.03	22.07	21.07						
		831.5	23.14	22.12	21.13						
		814.7	23.17	22.16	21.25						
	6RB_0	848.3	22.04	21.13	20.14				23.0	22.0	21.0
		831.5	22.09	21.16	20.18						
		814.7	22.17	21.18	20.27						



Ant.0 – Power Level A1/B1/C1/D1/A2/B2/C2/D2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5	23.07	22.28	21.14	24.0	23.0	22.0
		831.5	23.21	22.21	21.13			
		815.5	23.13	22.35	21.13			
	1RB_7	847.5	23.05	22.24	21.04			
		831.5	23.17	22.30	21.35			
		815.5	23.16	22.26	21.30			
	1RB_0	847.5	23.05	22.36	21.05			
		831.5	23.09	22.21	21.25			
		815.5	23.14	22.35	21.25			
	8RB_7	847.5	22.02	21.06	20.17	23.0	22.0	21.0
		831.5	22.08	21.17	20.29			
		815.5	22.11	21.17	20.30			
	8RB_4	847.5	22.04	21.08	20.26			
		831.5	22.07	21.18	20.27			
		815.5	22.08	21.14	20.29			
	8RB_0	847.5	22.04	21.11	20.19			
		831.5	22.08	21.14	20.25			
		815.5	22.11	21.17	20.27			
	15RB_0	847.5	22.05	21.03	20.19			
		831.5	22.13	21.10	20.21			
		815.5	22.12	21.13	20.24			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2/C2/D2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5	23.07	22.19	21.18	24.0	23.0	22.0
		831.5	23.17	22.26	21.25			
		816.5	23.27	22.40	21.19			
	1RB_12	846.5	23.10	22.17	21.14			
		831.5	23.18	22.36	21.27			
		816.5	23.22	22.35	21.34			
	1RB_0	846.5	23.06	22.25	21.19			
		831.5	23.06	22.23	21.09			
		816.5	23.22	22.35	21.33			
	12RB_13	846.5	21.99	20.94	20.18	23.0	22.0	21.0
		831.5	22.11	21.08	20.26			
		816.5	22.18	21.15	20.32			
	12RB_6	846.5	22.01	20.99	20.20			
		831.5	22.08	21.07	20.26			
		816.5	22.13	21.14	20.28			
	12RB_0	846.5	22.11	21.09	20.29			
		831.5	22.16	21.11	20.27			
		816.5	22.19	21.15	20.31			
	25RB_0	846.5	22.10	21.11	20.20			
		831.5	22.15	21.16	20.27			
		816.5	22.21	21.20	20.31			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2/C2/D2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0	23.05	22.37	21.14	24.0	23.0	22.0
		831.5	23.16	22.35	21.29			
		820.0	23.15	22.30	21.23			
	1RB_24	844.0	23.09	22.40	21.18			
		831.5	23.25	22.41	21.24			
		820.0	23.22	22.34	21.23			
	1RB_0	844.0	23.02	22.32	21.11			
		831.5	23.13	22.29	21.08			
		820.0	23.18	22.21	21.23			
	25RB_25	844.0	22.01	20.98	20.14	23.0	22.0	21.0
		831.5	22.14	21.16	20.27			
		820.0	22.16	21.23	20.35			
	25RB_12	844.0	22.07	21.06	20.15			
		831.5	22.15	21.18	20.24			
		820.0	22.15	21.14	20.28			
	25RB_0	844.0	22.10	21.09	20.21			
		831.5	22.18	21.23	20.34			
		820.0	22.14	21.14	20.24			
	50RB_0	844.0	22.03	21.03	20.18			
		831.5	22.19	21.17	20.29			
		820.0	22.21	21.19	20.30			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2/C2/D2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	841.5	23.08	22.14	21.13	24.0	23.0	22.0
		831.5	23.12	22.29	21.08			
		822.5	23.13	22.25	21.24			
	1RB_37	841.5	23.13	22.26	21.20			
		831.5	23.15	22.25	21.37			
		822.5	23.17	22.41	21.32			
	1RB_0	841.5	23.02	22.08	21.16			
		831.5	23.02	22.21	21.13			
		822.5	23.12	22.34	21.07			
	36RB_38	841.5	21.98	21.03	20.14	23.0	22.0	21.0
		831.5	22.16	21.15	20.27			
		822.5	22.10	21.08	20.26			
	36RB_19	841.5	22.07	21.04	20.23			
		831.5	22.09	21.06	20.25			
		822.5	22.17	21.15	20.27			
	36RB_0	841.5	21.98	20.97	20.15			
		831.5	22.13	21.11	20.26			
		822.5	22.03	21.08	20.21			
	75RB_0	841.5	22.02	21.02	20.11			
		831.5	22.19	21.15	20.28			
		822.5	22.12	21.08	20.21			



LTE Band 26 Ant.1

Ant.1 – Power Level A1/C1/D1/A2/C2/D2											
LTE Band 26			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	848.3	23.17	22.37	21.26	24.0	23.0	22.0			
		831.5	23.29	22.46	21.32						
		814.7	23.32	22.52	21.39						
	1RB_3	848.3	23.21	22.38	21.18						
		831.5	23.30	22.53	21.39						
		814.7	23.36	22.56	21.39						
	1RB_0	848.3	23.16	22.47	21.19						
		831.5	23.32	22.49	21.38						
		814.7	23.34	22.51	21.40						
	3RB_3	848.3	23.23	22.25	21.20						
		831.5	23.33	22.34	21.29						
		814.7	23.34	22.31	21.40						
	3RB_1	848.3	23.22	22.23	21.23						
		831.5	23.31	22.34	21.33						
		814.7	23.33	22.32	21.41						
	3RB_0	848.3	23.23	22.24	21.24						
		831.5	23.32	22.34	21.34						
		814.7	23.32	22.31	21.42						
	6RB_0	848.3	22.22	21.26	20.29				23.0	22.0	21.0
		831.5	22.29	21.34	20.38						
		814.7	22.35	21.37	20.43						



Ant.1 – Power Level A1/C1/D1/A2/C2/D2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5	23.17	22.39	21.27	24.0	23.0	22.0
		831.5	23.33	22.44	21.27			
		815.5	23.32	22.57	21.45			
	1RB_7	847.5	23.22	22.39	21.32			
		831.5	23.36	22.53	21.34			
		815.5	23.32	22.46	21.51			
	1RB_0	847.5	23.23	22.42	21.27			
		831.5	23.24	22.45	21.26			
		815.5	23.32	22.60	21.36			
	8RB_7	847.5	22.24	21.28	20.36	23.0	22.0	21.0
		831.5	22.30	21.37	20.48			
		815.5	22.30	21.30	20.51			
	8RB_4	847.5	22.22	21.30	20.36			
		831.5	22.27	21.32	20.45			
		815.5	22.30	21.30	20.50			
	8RB_0	847.5	22.19	21.28	20.35			
		831.5	22.24	21.31	20.41			
		815.5	22.30	21.32	20.54			
	15RB_0	847.5	22.23	21.22	20.33			
		831.5	22.27	21.29	20.36			
		815.5	22.30	21.30	20.37			



Ant.1 – Power Level A1/C1/D1/A2/C2/D2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5	23.29	22.51	21.39	24.0	23.0	22.0
		831.5	23.39	22.52	21.42			
		816.5	23.45	22.57	21.39			
	1RB_12	846.5	23.29	22.40	21.36			
		831.5	23.45	22.55	21.50			
		816.5	23.39	22.47	21.40			
	1RB_0	846.5	23.27	22.42	21.35			
		831.5	23.33	22.45	21.37			
		816.5	23.40	22.56	21.39			
	12RB_13	846.5	22.22	21.16	20.34	23.0	22.0	21.0
		831.5	22.30	21.29	20.43			
		816.5	22.35	21.31	20.49			
	12RB_6	846.5	22.20	21.20	20.34			
		831.5	22.28	21.27	20.39			
		816.5	22.33	21.31	20.48			
	12RB_0	846.5	22.30	21.24	20.43			
		831.5	22.33	21.29	20.47			
		816.5	22.37	21.30	20.50			
	25RB_0	846.5	22.28	21.26	20.37			
		831.5	22.35	21.32	20.46			
		816.5	22.38	21.37	20.51			



Ant.1 – Power Level A1/C1/D1/A2/C2/D2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0	23.29	22.47	21.38	24.0	23.0	22.0
		831.5	23.36	22.56	21.42			
		820.0	23.36	22.52	21.43			
	1RB_24	844.0	23.35	22.54	21.47			
		831.5	23.42	22.61	21.48			
		820.0	23.44	22.57	21.46			
	1RB_0	844.0	23.26	22.46	21.38			
		831.5	23.29	22.50	21.38			
		820.0	23.42	22.50	21.43			
	25RB_25	844.0	22.23	21.21	20.31	23.0	22.0	21.0
		831.5	22.34	21.34	20.45			
		820.0	22.43	21.41	20.54			
	25RB_12	844.0	22.27	21.25	20.41			
		831.5	22.37	21.34	20.50			
		820.0	22.36	21.38	20.49			
	25RB_0	844.0	22.27	21.33	20.42			
		831.5	22.37	21.41	20.49			
		820.0	22.34	21.34	20.51			
	50RB_0	844.0	22.28	21.23	20.38			
		831.5	22.38	21.36	20.47			
		820.0	22.41	21.38	20.50			



Ant.1 – Power Level A1/C1/D1/A2/C2/D2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	841.5	23.30	22.46	21.18	24.0	23.0	22.0
		831.5	23.34	22.53	21.27			
		822.5	23.34	22.50	21.35			
	1RB_37	841.5	23.34	22.52	21.27			
		831.5	23.43	22.56	21.41			
		822.5	23.40	22.61	21.45			
	1RB_0	841.5	23.25	22.40	21.18			
		831.5	23.27	22.43	21.26			
		822.5	23.37	22.52	21.38			
	36RB_38	841.5	22.19	21.23	20.35	23.0	22.0	21.0
		831.5	22.39	21.30	20.46			
		822.5	22.32	21.31	20.45			
	36RB_19	841.5	22.29	21.26	20.42			
		831.5	22.30	21.28	20.43			
		822.5	22.34	21.33	20.50			
	36RB_0	841.5	22.23	21.21	20.39			
		831.5	22.30	21.31	20.46			
		822.5	22.30	21.26	20.46			
	75RB_0	841.5	22.22	21.25	20.39			
		831.5	22.42	21.33	20.51			
		822.5	22.34	21.31	20.44			



Ant.1 – Power Level B1											
LTE Band 26			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	848.3	22.61	22.37	21.15	23.5	23.0	22.0			
		831.5	22.69	22.43	21.30						
		814.7	22.70	22.35	21.37						
	1RB_3	848.3	22.67	22.34	21.24						
		831.5	22.72	22.46	21.32						
		814.7	22.72	22.39	21.45						
	1RB_0	848.3	22.64	22.33	21.22						
		831.5	22.68	22.36	21.30						
		814.7	22.68	22.38	21.42						
	3RB_3	848.3	22.66	22.13	21.19						
		831.5	22.69	22.25	21.26						
		814.7	22.76	22.24	21.40						
	3RB_1	848.3	22.65	22.14	21.19						
		831.5	22.69	22.28	21.30						
		814.7	22.75	22.25	21.36						
	3RB_0	848.3	22.64	22.13	21.19						
		831.5	22.69	22.22	21.29						
		814.7	22.76	22.24	21.40						
	6RB_0	848.3	22.16	21.19	20.25				23.0	22.0	21.0
		831.5	22.21	21.30	20.32						
		814.7	22.27	21.28	20.36						



Ant.1 – Power Level B1								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5	22.57	22.37	21.14	23.5	23.0	22.0
		831.5	22.71	22.36	21.29			
		815.5	22.73	22.32	21.28			
	1RB_7	847.5	22.64	22.34	21.34			
		831.5	22.83	22.41	21.27			
		815.5	22.83	22.43	21.32			
	1RB_0	847.5	22.64	22.36	21.29			
		831.5	22.67	22.37	21.12			
		815.5	22.71	22.33	21.28			
	8RB_7	847.5	22.08	21.17	20.29	23.0	22.0	21.0
		831.5	22.19	21.25	20.40			
		815.5	22.22	21.27	20.39			
	8RB_4	847.5	22.10	21.15	20.29			
		831.5	22.17	21.21	20.37			
		815.5	22.21	21.29	20.40			
	8RB_0	847.5	22.13	21.17	20.33			
		831.5	22.18	21.22	20.37			
		815.5	22.22	21.27	20.42			
	15RB_0	847.5	22.12	21.13	20.24			
		831.5	22.20	21.21	20.32			
		815.5	22.21	21.28	20.34			



Ant.1 – Power Level B1								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5	22.72	22.43	21.16	23.5	23.0	22.0
		831.5	22.78	22.40	21.34			
		816.5	22.85	22.36	21.37			
	1RB_12	846.5	22.67	22.41	21.37			
		831.5	22.83	22.45	21.34			
		816.5	22.78	22.53	21.37			
	1RB_0	846.5	22.66	22.40	21.35			
		831.5	22.69	22.40	21.15			
		816.5	22.76	22.42	21.34			
	12RB_13	846.5	22.14	21.19	20.36	23.0	22.0	21.0
		831.5	22.25	21.34	20.49			
		816.5	22.24	21.32	20.42			
	12RB_6	846.5	22.15	21.24	20.32			
		831.5	22.24	21.25	20.44			
		816.5	22.15	21.33	20.45			
	12RB_0	846.5	22.26	21.23	20.37			
		831.5	22.27	21.29	20.39			
		816.5	22.17	21.30	20.50			
	25RB_0	846.5	22.23	21.17	20.30			
		831.5	22.27	21.26	20.34			
		816.5	22.28	21.32	20.43			



Ant.1 – Power Level B1								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0	22.68	22.44	21.30	23.5	23.0	22.0
		831.5	22.73	22.42	21.36			
		820.0	22.77	22.35	21.21			
	1RB_24	844.0	22.74	22.52	21.42			
		831.5	22.80	22.42	21.39			
		820.0	22.85	22.44	21.27			
	1RB_0	844.0	22.69	22.41	21.29			
		831.5	22.71	22.28	21.25			
		820.0	22.79	22.37	21.23			
	25RB_25	844.0	22.13	21.14	20.24	23.0	22.0	21.0
		831.5	22.26	21.26	20.41			
		820.0	22.36	21.32	20.47			
	25RB_12	844.0	22.27	21.23	20.32			
		831.5	22.28	21.30	20.41			
		820.0	22.30	21.28	20.43			
	25RB_0	844.0	22.24	21.23	20.38			
		831.5	22.31	21.35	20.45			
		820.0	22.27	21.26	20.40			
	50RB_0	844.0	22.17	21.17	20.29			
		831.5	22.29	21.28	20.40			
		820.0	22.34	21.32	20.43			



Ant.1 – Power Level B1								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	841.5	22.68	22.43	21.25	23.5	23.0	22.0
		831.5	22.78	22.45	21.21			
		822.5	22.76	22.45	21.24			
	1RB_37	841.5	22.75	22.49	21.32			
		831.5	22.84	22.47	21.27			
		822.5	22.80	22.53	21.33			
	1RB_0	841.5	22.67	22.34	21.21			
		831.5	22.65	22.36	21.13			
		822.5	22.74	22.43	21.24			
	36RB_38	841.5	22.12	21.15	20.27	23.0	22.0	21.0
		831.5	22.30	21.26	20.41			
		822.5	22.25	21.20	20.39			
	36RB_19	841.5	22.25	21.23	20.34			
		831.5	22.26	21.21	20.40			
		822.5	22.28	21.25	20.38			
	36RB_0	841.5	22.18	21.10	20.33			
		831.5	22.25	21.23	20.37			
		822.5	22.21	21.20	20.37			
	75RB_0	841.5	22.17	21.19	20.33			
		831.5	22.32	21.28	20.42			
		822.5	22.25	21.25	20.36			



Ant.1 – Power Level B2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	848.3	22.18	22.35	21.28	23.0	23.0	22.0
		831.5	22.32	22.50	21.31			
		814.7	22.30	22.48	21.38			
	1RB_3	848.3	22.25	22.35	21.16			
		831.5	22.30	22.51	21.41			
		814.7	22.36	22.51	21.42			
	1RB_0	848.3	22.17	22.43	21.22			
		831.5	22.35	22.52	21.35			
		814.7	22.33	22.51	21.37			
	3RB_3	848.3	22.26	22.23	21.21			
		831.5	22.30	22.36	21.26			
		814.7	22.32	22.29	21.35			
	3RB_1	848.3	22.23	22.24	21.27			
		831.5	22.27	22.34	21.32			
		814.7	22.34	22.31	21.36			
	3RB_0	848.3	22.20	22.19	21.24			
		831.5	22.37	22.33	21.33			
		814.7	22.35	22.33	21.39			
	6RB_0	848.3	22.22	21.27	20.32	23.0	22.0	21.0
		831.5	22.29	21.33	20.40			
		814.7	22.34	21.36	20.40			



Ant.1 – Power Level B2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5	22.19	22.40	21.26	23.0	23.0	22.0
		831.5	22.33	22.45	21.26			
		815.5	22.33	22.58	21.43			
	1RB_7	847.5	22.19	22.36	21.36			
		831.5	22.36	22.51	21.38			
		815.5	22.29	22.49	21.52			
	1RB_0	847.5	22.19	22.45	21.29			
		831.5	22.22	22.41	21.22			
		815.5	22.32	22.56	21.38			
	8RB_7	847.5	22.21	21.31	20.34	23.0	22.0	21.0
		831.5	22.27	21.37	20.44			
		815.5	22.28	21.35	20.47			
	8RB_4	847.5	22.22	21.33	20.35			
		831.5	22.24	21.28	20.45			
		815.5	22.32	21.29	20.49			
	8RB_0	847.5	22.17	21.29	20.40			
		831.5	22.21	21.27	20.43			
		815.5	22.28	21.35	20.53			
	15RB_0	847.5	22.18	21.22	20.37			
		831.5	22.24	21.29	20.34			
		815.5	22.31	21.30	20.36			



Ant.1 – Power Level B2											
LTE Band 26			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
5 MHz	1RB_24	846.5	22.28	22.46	21.37	23.0	23.0	22.0			
		831.5	22.41	22.54	21.37						
		816.5	22.47	22.54	21.41						
	1RB_12	846.5	22.26	22.39	21.39						
		831.5	22.46	22.55	21.53						
		816.5	22.41	22.50	21.35						
	1RB_0	846.5	22.28	22.38	21.39						
		831.5	22.28	22.43	21.33						
		816.5	22.42	22.56	21.40						
	12RB_13	846.5	22.19	21.15	20.38				23.0	22.0	21.0
		831.5	22.32	21.33	20.45						
		816.5	22.39	21.27	20.50						
	12RB_6	846.5	22.18	21.20	20.36						
		831.5	22.32	21.25	20.40						
		816.5	22.36	21.30	20.50						
	12RB_0	846.5	22.27	21.27	20.39						
		831.5	22.31	21.24	20.48						
		816.5	22.41	21.33	20.54						
	25RB_0	846.5	22.30	21.25	20.32						
		831.5	22.30	21.37	20.45						
		816.5	22.40	21.37	20.54						



Ant.1 – Power Level B1								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0	22.32	22.46	21.39	23.0	23.0	22.0
		831.5	22.35	22.53	21.45			
		820.0	22.40	22.56	21.39			
	1RB_24	844.0	22.36	22.50	21.50			
		831.5	22.41	22.65	21.52			
		820.0	22.47	22.60	21.47			
	1RB_0	844.0	22.27	22.49	21.38			
		831.5	22.28	22.53	21.39			
		820.0	22.40	22.53	21.44			
	25RB_25	844.0	22.21	21.20	20.34	23.0	22.0	21.0
		831.5	22.30	21.34	20.49			
		820.0	22.42	21.41	20.53			
	25RB_12	844.0	22.24	21.30	20.42			
		831.5	22.33	21.38	20.52			
		820.0	22.41	21.37	20.44			
	25RB_0	844.0	22.25	21.28	20.45			
		831.5	22.39	21.37	20.51			
		820.0	22.33	21.32	20.54			
	50RB_0	844.0	22.28	21.23	20.37			
		831.5	22.34	21.38	20.43			
		820.0	22.39	21.40	20.52			



Ant.1 – Power Level B2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	841.5	22.27	22.43	21.19	23.0	23.0	22.0
		831.5	22.35	22.48	21.28			
		822.5	22.34	22.55	21.34			
	1RB_37	841.5	22.38	22.49	21.27			
		831.5	22.44	22.58	21.42			
		822.5	22.36	22.61	21.45			
	1RB_0	841.5	22.21	22.36	21.21			
		831.5	22.26	22.44	21.22			
		822.5	22.33	22.53	21.43			
	36RB_38	841.5	22.22	21.28	20.36	23.0	22.0	21.0
		831.5	22.42	21.32	20.49			
		822.5	22.30	21.35	20.47			
	36RB_19	841.5	22.34	21.29	20.37			
		831.5	22.27	21.28	20.42			
		822.5	22.37	21.30	20.54			
	36RB_0	841.5	22.21	21.22	20.42			
		831.5	22.32	21.30	20.50			
		822.5	22.33	21.29	20.49			
	75RB_0	841.5	22.22	21.26	20.43			
		831.5	22.39	21.33	20.54			
		822.5	22.35	21.35	20.46			



LTE Band 38 Ant.0

Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2617.5	23.11	22.05	20.94	24.0	23.0	22.0
		2595.0	23.13	22.23	20.95			
		2572.5	23.09	22.20	20.91			
	1RB_12	2617.5	23.14	22.06	21.01			
		2595.0	23.17	22.26	21.00			
		2572.5	23.15	22.22	20.97			
	1RB_0	2617.5	23.16	22.06	20.98			
		2595.0	23.14	22.24	20.99			
		2572.5	23.10	22.19	20.94			
	12RB_13	2617.5	22.04	21.15	20.18	23.0	22.0	21.0
		2595.0	22.20	21.13	20.17			
		2572.5	22.16	21.08	20.12			
	12RB_6	2617.5	22.03	21.13	20.18			
		2595.0	22.20	21.15	20.19			
		2572.5	22.18	21.12	20.10			
	12RB_0	2617.5	22.07	21.18	20.22			
		2595.0	22.21	21.18	20.21			
		2572.5	22.20	21.14	20.15			
	25RB_0	2617.5	22.03	21.22	20.25			
		2595.0	22.21	21.24	20.24			
		2572.5	22.18	21.19	20.18			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2615.0	23.07	22.02	20.92	24.0	23.0	22.0
		2595.0	23.08	22.22	20.93			
		2575.0	23.09	22.22	20.92			
	1RB_24	2615.0	23.11	22.11	20.96			
		2595.0	23.15	22.26	21.00			
		2575.0	23.09	22.20	20.90			
	1RB_0	2615.0	23.04	22.17	20.89			
		2595.0	23.12	22.28	20.97			
		2575.0	23.08	22.18	20.93			
	25RB_25	2615.0	22.04	21.21	20.22	23.0	22.0	21.0
		2595.0	22.17	21.19	20.23			
		2575.0	22.17	21.19	20.19			
	25RB_12	2615.0	22.00	21.20	20.22			
		2595.0	22.19	21.22	20.22			
		2575.0	22.18	21.18	20.21			
	25RB_0	2615.0	22.17	21.18	20.18			
		2595.0	22.23	21.24	20.24			
		2575.0	22.19	21.20	20.22			
	50RB_0	2615.0	22.05	21.21	20.17			
		2595.0	22.21	21.21	20.17			
		2575.0	22.21	21.19	20.16			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2612.5	23.02	21.99	20.88	24.0	23.0	22.0
		2595.0	23.04	22.19	20.91			
		2577.5	23.12	22.28	20.95			
	1RB_37	2612.5	23.04	22.22	20.90			
		2595.0	23.10	22.23	20.96			
		2577.5	23.04	22.21	20.91			
	1RB_0	2612.5	22.97	22.15	20.86			
		2595.0	23.00	22.21	20.86			
		2577.5	23.00	22.15	20.87			
	36RB_38	2612.5	22.01	21.13	20.14	23.0	22.0	21.0
		2595.0	22.15	21.13	20.12			
		2577.5	22.21	21.18	20.16			
	36RB_19	2612.5	22.14	21.11	20.13			
		2595.0	22.19	21.14	20.14			
		2577.5	22.17	21.13	20.14			
	36RB_0	2612.5	22.09	21.07	20.08			
		2595.0	22.14	21.12	20.12			
		2577.5	22.16	21.10	20.12			
	75RB_0	2612.5	22.18	21.15	20.14			
		2595.0	22.18	21.17	20.13			
		2577.5	22.21	21.18	20.16			



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2610.0	22.98	21.94	20.84	24.0	23.0	22.0
		2595.0	23.01	22.10	20.86			
		2580.0	22.99	22.15	20.85			
	1RB_50	2610.0	23.06	22.17	20.89			
		2595.0	23.11	22.23	20.95			
		2580.0	23.13	22.26	20.96			
	1RB_0	2610.0	23.01	22.13	20.83			
		2595.0	23.00	22.14	20.86			
		2580.0	22.99	22.13	20.81			
	50RB_50	2610.0	22.04	21.21	20.19	23.0	22.0	21.0
		2595.0	22.19	21.20	20.17			
		2580.0	22.24	21.23	20.20			
	50RB_25	2610.0	22.20	21.22	20.19			
		2595.0	22.21	21.20	20.16			
		2580.0	22.21	21.21	20.15			
	50RB_0	2610.0	22.16	21.17	20.13			
		2595.0	22.18	21.18	20.15			
		2580.0	22.13	21.14	20.12			
	100RB_0	2610.0	22.15	21.20	20.17			
		2595.0	22.19	21.18	20.17			
		2580.0	22.19	21.19	20.15			



LTE Band 38 Ant.1

Ant.1 – Power Level A1/B1											
LTE Band 38			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
5 MHz	1RB_24	2617.5	16.45	16.46	16.22	17.0	17.0	17.0			
		2595.0	16.53	16.51	16.26						
		2572.5	16.44	16.43	16.19						
	1RB_12	2617.5	16.51	16.56	16.31						
		2595.0	16.60	16.53	16.31						
		2572.5	16.52	16.49	16.24						
	1RB_0	2617.5	16.52	16.49	16.28						
		2595.0	16.57	16.48	16.28						
		2572.5	16.44	16.42	16.20						
	12RB_13	2617.5	16.43	16.38	16.46				17.0	17.0	17.0
		2595.0	16.50	16.40	16.48						
		2572.5	16.38	16.35	16.41						
	12RB_6	2617.5	16.45	16.41	16.44						
		2595.0	16.47	16.44	16.47						
		2572.5	16.43	16.39	16.40						
	12RB_0	2617.5	16.48	16.42	16.49						
		2595.0	16.52	16.45	16.52						
		2572.5	16.42	16.38	16.44						
	25RB_0	2617.5	16.46	16.51	16.49						
		2595.0	16.51	16.50	16.54						
		2572.5	16.43	16.45	16.46						



Ant.1 – Power Level A1/B1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2615.0	16.50	16.48	16.24	17.0	17.0	17.0
		2595.0	16.52	16.49	16.23			
		2575.0	16.46	16.48	16.22			
	1RB_24	2615.0	16.49	16.50	16.28			
		2595.0	16.56	16.52	16.29			
		2575.0	16.48	16.48	16.23			
	1RB_0	2615.0	16.45	16.44	16.21			
		2595.0	16.55	16.51	16.26			
		2575.0	16.45	16.44	16.20			
	25RB_25	2615.0	16.46	16.51	16.53	17.0	17.0	17.0
		2595.0	16.48	16.50	16.53			
		2575.0	16.48	16.52	16.52			
	25RB_12	2615.0	16.46	16.50	16.51			
		2595.0	16.50	16.51	16.55			
		2575.0	16.49	16.49	16.52			
	25RB_0	2615.0	16.46	16.55	16.55			
		2595.0	16.51	16.54	16.58			
		2575.0	16.46	16.48	16.50			
	50RB_0	2615.0	16.45	16.47	16.49			
		2595.0	16.52	16.52	16.49			
		2575.0	16.50	16.52	16.49			



Ant.1 – Power Level A1/B1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2612.5	16.40	16.45	16.22	17.0	17.0	17.0
		2595.0	16.48	16.48	16.26			
		2577.5	16.55	16.57	16.31			
	1RB_37	2612.5	16.51	16.50	16.30			
		2595.0	16.55	16.54	16.32			
		2577.5	16.47	16.52	16.21			
	1RB_0	2612.5	16.45	16.43	16.23			
		2595.0	16.44	16.46	16.20			
		2577.5	16.42	16.43	16.20			
	36RB_38	2612.5	16.43	16.40	16.46	17.0	17.0	17.0
		2595.0	16.48	16.43	16.49			
		2577.5	16.52	16.51	16.53			
	36RB_19	2612.5	16.50	16.47	16.46			
		2595.0	16.51	16.50	16.47			
		2577.5	16.45	16.41	16.48			
	36RB_0	2612.5	16.47	16.48	16.49			
		2595.0	16.49	16.41	16.50			
		2577.5	16.40	16.38	16.43			
	75RB_0	2612.5	16.53	16.56	16.52			
		2595.0	16.52	16.47	16.45			
		2577.5	16.48	16.50	16.50			



Ant.1 – Power Level A1/B1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2610.0	16.47	16.44	16.23	17.0	17.0	17.0
		2595.0	16.44	16.43	16.21			
		2580.0	16.45	16.43	16.20			
	1RB_50	2610.0	16.54	16.49	16.27			
		2595.0	16.58	16.56	16.34			
		2580.0	16.56	16.58	16.28			
	1RB_0	2610.0	16.45	16.42	16.20			
		2595.0	16.45	16.43	16.20			
		2580.0	16.43	16.42	16.16			
	50RB_50	2610.0	16.58	16.52	16.49	17.0	17.0	17.0
		2595.0	16.59	16.53	16.51			
		2580.0	16.57	16.54	16.51			
	50RB_25	2610.0	16.57	16.60	16.57			
		2595.0	16.54	16.58	16.56			
		2580.0	16.50	16.51	16.49			
	50RB_0	2610.0	16.57	16.54	16.57			
		2595.0	16.55	16.50	16.55			
		2580.0	16.41	16.48	16.46			
100RB_0	2610.0	16.51	16.53	16.54				
	2595.0	16.50	16.49	16.51				
	2580.0	16.47	16.52	16.49				



Ant.1 – Power Level C1/D1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2617.5	20.54	20.56	20.31	21.0	21.0	21.0
		2595.0	20.55	20.57	20.28			
		2572.5	20.49	20.49	20.21			
	1RB_12	2617.5	20.63	20.63	20.36			
		2595.0	20.60	20.58	20.31			
		2572.5	20.58	20.56	20.27			
	1RB_0	2617.5	20.59	20.59	20.34			
		2595.0	20.56	20.56	20.30			
		2572.5	20.50	20.49	20.22			
	12RB_13	2617.5	20.51	20.51	20.52	21.0	21.0	21.0
		2595.0	20.50	20.44	20.51			
		2572.5	20.41	20.37	20.40			
	12RB_6	2617.5	20.53	20.50	20.54			
		2595.0	20.51	20.49	20.52			
		2572.5	20.46	20.43	20.47			
	12RB_0	2617.5	20.59	20.52	20.57			
		2595.0	20.54	20.47	20.55			
		2572.5	20.47	20.41	20.47			
	25RB_0	2617.5	20.52	20.59	20.61			
		2595.0	20.51	20.56	20.59			
		2572.5	20.43	20.48	20.47			



Ant.1 – Power Level C1/D1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2615.0	20.53	20.55	20.28	21.0	21.0	21.0
		2595.0	20.51	20.56	20.25			
		2575.0	20.50	20.52	20.22			
	1RB_24	2615.0	20.56	20.61	20.33			
		2595.0	20.57	20.59	20.31			
		2575.0	20.53	20.54	20.23			
	1RB_0	2615.0	20.50	20.50	20.24			
		2595.0	20.55	20.58	20.30			
		2575.0	20.46	20.50	20.23			
	25RB_25	2615.0	20.48	20.55	20.57	21.0	21.0	21.0
		2595.0	20.45	20.50	20.54			
		2575.0	20.48	20.50	20.54			
	25RB_12	2615.0	20.54	20.56	20.61			
		2595.0	20.47	20.52	20.56			
		2575.0	20.45	20.50	20.54			
	25RB_0	2615.0	20.49	20.54	20.58			
		2595.0	20.51	20.55	20.56			
		2575.0	20.47	20.50	20.52			
	50RB_0	2615.0	20.54	20.56	20.52			
		2595.0	20.48	20.52	20.48			
		2575.0	20.48	20.53	20.51			



Ant.1 – Power Level C1/D1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2612.5	20.48	20.55	20.25	21.0	21.0	21.0
		2595.0	20.46	20.50	20.26			
		2577.5	20.55	20.58	20.31			
	1RB_37	2612.5	20.53	20.55	20.29			
		2595.0	20.53	20.58	20.32			
		2577.5	20.49	20.53	20.23			
	1RB_0	2612.5	20.45	20.48	20.20			
		2595.0	20.44	20.48	20.21			
		2577.5	20.46	20.48	20.18			
	36RB_38	2612.5	20.49	20.48	20.52	21.0	21.0	21.0
		2595.0	20.43	20.46	20.47			
		2577.5	20.47	20.49	20.52			
	36RB_19	2612.5	20.47	20.44	20.51			
		2595.0	20.47	20.47	20.49			
		2577.5	20.43	20.44	20.48			
	36RB_0	2612.5	20.50	20.42	20.47			
		2595.0	20.48	20.45	20.46			
		2577.5	20.44	20.40	20.43			
	75RB_0	2612.5	20.49	20.51	20.49			
		2595.0	20.49	20.52	20.50			
		2577.5	20.49	20.49	20.49			



Ant.1 – Power Level C1/D1								
LTE Band 38			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2610.0	20.47	20.50	20.20	21.0	21.0	21.0
		2595.0	20.40	20.48	20.19			
		2580.0	20.44	20.47	20.17			
	1RB_50	2610.0	20.52	20.54	20.24			
		2595.0	20.58	20.58	20.28			
		2580.0	20.59	20.58	20.29			
	1RB_0	2610.0	20.46	20.48	20.21			
		2595.0	20.46	20.45	20.18			
		2580.0	20.44	20.45	20.15			
	50RB_50	2610.0	20.53	20.54	20.55	21.0	21.0	21.0
		2595.0	20.53	20.52	20.52			
		2580.0	20.56	20.58	20.55			
	50RB_25	2610.0	20.55	20.54	20.56			
		2595.0	20.54	20.57	20.50			
		2580.0	20.54	20.53	20.52			
	50RB_0	2610.0	20.49	20.52	20.52			
		2595.0	20.49	20.50	20.49			
		2580.0	20.42	20.44	20.43			
	100RB_0	2610.0	20.51	20.53	20.53			
		2595.0	20.50	20.50	20.49			
		2580.0	20.46	20.50	20.48			



LTE Band 41 Ant.0

Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2687.5	23.28	22.25	21.20	24.5	23.5	22.5
		2640.3	23.29	22.26	21.14			
		2593.0	23.26	22.44	21.15			
		2545.8	23.22	22.33	21.08			
		2498.5	23.28	22.41	21.11			
	1RB_12	2687.5	23.41	22.29	21.21			
		2640.3	23.35	22.24	21.15			
		2593.0	23.38	22.46	21.16			
		2545.8	23.34	22.39	21.11			
		2498.5	23.29	22.38	21.14			
	1RB_0	2687.5	23.31	22.26	21.18			
		2640.3	23.32	22.22	21.16			
		2593.0	23.33	22.45	21.14			
		2545.8	23.23	22.34	21.06			
		2498.5	23.27	22.37	21.15			
	12RB_13	2687.5	22.26	21.35	20.39	23.5	22.5	21.5
		2640.3	22.22	21.31	20.34			
		2593.0	22.35	21.29	20.32			
		2545.8	22.32	21.24	20.30			
		2498.5	22.36	21.31	20.31			
	12RB_6	2687.5	22.26	21.37	20.38			
		2640.3	22.21	21.33	20.34			
		2593.0	22.37	21.29	20.34			
		2545.8	22.32	21.27	20.29			
		2498.5	22.35	21.34	20.34			
12RB_0	2687.5	22.27	21.39	20.43				
	2640.3	22.24	21.36	20.38				
	2593.0	22.38	21.35	20.34				
	2545.8	22.32	21.28	20.30				
	2498.5	22.37	21.31	20.33				
25RB_0	2687.5	22.29	21.46	20.45				
	2640.3	22.26	21.43	20.44				
	2593.0	22.38	21.41	20.40				
	2545.8	22.31	21.33	20.30				
	2498.5	22.37	21.41	20.37				



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2685.0	23.27	22.23	21.13	24.5	23.5	22.5
		2639.0	23.24	22.22	21.11			
		2593.0	23.25	22.41	21.10			
		2547.0	23.22	22.37	21.05			
		2501.0	23.26	22.42	21.14			
	1RB_24	2685.0	23.29	22.29	21.14			
		2639.0	23.33	22.23	21.16			
		2593.0	23.32	22.48	21.17			
		2547.0	23.30	22.37	21.08			
		2501.0	23.33	22.43	21.13			
	1RB_0	2685.0	23.27	22.27	21.17			
		2639.0	23.34	22.24	21.16			
		2593.0	23.26	22.43	21.14			
		2547.0	23.23	22.33	21.05			
		2501.0	23.27	22.39	21.11			
	25RB_25	2685.0	22.22	21.45	20.46	23.5	22.5	21.5
		2639.0	22.21	21.39	20.42			
		2593.0	22.41	21.44	20.45			
		2547.0	22.32	21.36	20.36			
		2501.0	22.40	21.41	20.41			
	25RB_12	2685.0	22.22	21.45	20.47			
		2639.0	22.24	21.42	20.40			
		2593.0	22.38	21.40	20.40			
		2547.0	22.34	21.37	20.36			
		2501.0	22.36	21.41	20.38			
25RB_0	2685.0	22.23	21.41	20.43				
	2639.0	22.23	21.43	20.43				
	2593.0	22.38	21.40	20.40				
	2547.0	22.31	21.35	20.34				
	2501.0	22.32	21.36	20.35				
50RB_0	2685.0	22.26	21.45	20.41				
	2639.0	22.25	21.46	20.41				
	2593.0	22.42	21.43	20.39				
	2547.0	22.35	21.34	20.31				
	2501.0	22.40	21.38	20.35				



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2682.5	23.21	22.18	21.09	24.5	23.5	22.5
		2637.8	23.19	22.17	21.08			
		2593.0	23.20	22.39	21.08			
		2548.3	23.20	22.33	21.07			
		2503.5	23.22	22.42	21.14			
	1RB_37	2682.5	23.26	22.27	21.15			
		2637.8	23.28	22.27	21.15			
		2593.0	23.28	22.45	21.14			
		2548.3	23.27	22.39	21.07			
		2503.5	23.31	22.47	21.19			
	1RB_0	2682.5	23.18	22.20	21.07			
		2637.8	23.23	22.21	21.10			
		2593.0	23.23	22.41	21.12			
		2548.3	23.17	22.30	21.02			
		2503.5	23.19	22.36	21.08			
	36RB_38	2682.5	22.21	21.37	20.35	23.5	22.5	21.5
		2637.8	22.17	21.34	20.35			
		2593.0	22.37	21.34	20.35			
		2548.3	22.29	21.26	20.27			
		2503.5	22.40	21.37	20.40			
	36RB_19	2682.5	22.20	21.32	20.33			
		2637.8	22.19	21.34	20.35			
		2593.0	22.32	21.28	20.31			
		2548.3	22.33	21.29	20.32			
		2503.5	22.37	21.33	20.33			
36RB_0	2682.5	22.19	21.35	20.36				
	2637.8	22.17	21.35	20.38				
	2593.0	22.32	21.32	20.33				
	2548.3	22.30	21.24	20.26				
	2503.5	22.32	21.31	20.31				
75RB_0	2682.5	22.21	21.39	20.37				
	2637.8	22.26	21.41	20.39				
	2593.0	22.39	21.39	20.38				
	2548.3	22.31	21.29	20.27				
	2503.5	22.41	21.40	20.34				



Ant.0 – Power Level A1/B1/C1/D1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2680.0	23.20	22.17	21.05	24.5	23.5	22.5
		2636.5	23.17	22.15	21.03			
		2593.0	23.13	22.31	21.02			
		2549.5	23.17	22.30	21.02			
		2506.0	23.24	22.37	21.04			
	1RB_50	2680.0	23.31	22.25	21.11			
		2636.5	23.30	22.25	21.13			
		2593.0	23.32	22.42	21.12			
		2549.5	23.25	22.38	21.09			
		2506.0	23.36	22.43	21.15			
	1RB_0	2680.0	23.17	22.21	21.04			
		2636.5	23.22	22.21	21.07			
		2593.0	23.14	22.34	21.02			
		2549.5	23.13	22.31	20.97			
		2506.0	23.20	22.34	21.06			
	50RB_50	2680.0	22.25	21.43	20.41	23.5	22.5	21.5
		2636.5	22.22	21.39	20.34			
		2593.0	22.40	21.42	20.37			
		2549.5	22.35	21.34	20.29			
		2506.0	22.49	21.47	20.43			
	50RB_25	2680.0	22.27	21.41	20.38			
		2636.5	22.25	21.44	20.37			
		2593.0	22.42	21.43	20.40			
		2549.5	22.38	21.37	20.33			
		2506.0	22.45	21.44	20.41			
	50RB_0	2680.0	22.22	21.35	20.31			
		2636.5	22.27	21.42	20.39			
		2593.0	22.32	21.34	20.30			
2549.5		22.33	21.34	20.31				
2506.0		22.38	21.33	20.30				
100RB_0	2680.0	22.21	21.39	20.35				
	2636.5	22.26	21.42	20.39				
	2593.0	22.36	21.36	20.34				
	2549.5	22.32	21.33	20.31				
	2506.0	22.42	21.40	20.38				



LTE Band 41 Ant.1

Ant.1 – Power Level A1/B1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2687.5	18.62	18.62	18.35	19.5	19.5	19.5
		2640.3	18.52	18.51	18.27			
		2593.0	18.47	18.49	18.22			
		2545.8	18.36	18.38	18.09			
		2498.5	18.30	18.36	18.06			
	1RB_12	2687.5	18.65	18.61	18.35			
		2640.3	18.54	18.47	18.26			
		2593.0	18.54	18.54	18.25			
		2545.8	18.41	18.36	18.10			
		2498.5	18.30	18.33	18.05			
	1RB_0	2687.5	18.58	18.59	18.33			
		2640.3	18.54	18.53	18.27			
		2593.0	18.49	18.48	18.24			
		2545.8	18.33	18.32	18.07			
		2498.5	18.33	18.32	18.07			
	12RB_13	2687.5	18.54	18.50	18.52	19.5	19.5	19.5
		2640.3	18.42	18.41	18.45			
		2593.0	18.38	18.36	18.39			
		2545.8	18.29	18.24	18.32			
		2498.5	18.29	18.25	18.28			
	12RB_6	2687.5	18.58	18.53	18.55			
		2640.3	18.46	18.41	18.47			
		2593.0	18.40	18.38	18.40			
		2545.8	18.29	18.27	18.31			
		2498.5	18.27	18.23	18.26			
	12RB_0	2687.5	18.61	18.55	18.63			
		2640.3	18.50	18.40	18.50			
		2593.0	18.42	18.39	18.42			
2545.8		18.30	18.27	18.29				
2498.5		18.26	18.24	18.26				
25RB_0	2687.5	18.58	18.64	18.63				
	2640.3	18.49	18.55	18.55				
	2593.0	18.41	18.47	18.47				
	2545.8	18.26	18.34	18.36				
	2498.5	18.27	18.32	18.34				



Ant.1 – Power Level A1/B1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2685.0	18.63	18.60	18.32	19.5	19.5	19.5
		2639.0	18.50	18.49	18.23			
		2593.0	18.44	18.46	18.21			
		2547.0	18.33	18.36	18.10			
		2501.0	18.33	18.38	18.05			
	1RB_24	2685.0	18.62	18.59	18.11			
		2639.0	18.51	18.56	18.28			
		2593.0	18.47	18.55	18.25			
		2547.0	18.36	18.43	18.09			
		2501.0	18.31	18.40	18.05			
	1RB_0	2685.0	18.60	18.57	18.33			
		2639.0	18.57	18.55	18.25			
		2593.0	18.51	18.49	18.20			
		2547.0	18.33	18.36	18.03			
		2501.0	18.30	18.32	18.04			
	25RB_25	2685.0	18.54	18.58	18.60	19.5	19.5	19.5
		2639.0	18.49	18.53	18.54			
		2593.0	18.46	18.51	18.54			
		2547.0	18.34	18.36	18.38			
		2501.0	18.34	18.35	18.38			
	25RB_12	2685.0	18.57	18.61	18.65			
		2639.0	18.47	18.53	18.53			
		2593.0	18.38	18.47	18.47			
		2547.0	18.35	18.36	18.39			
		2501.0	18.27	18.31	18.37			
25RB_0	2685.0	18.58	18.60	18.61				
	2639.0	18.47	18.54	18.53				
	2593.0	18.42	18.46	18.46				
	2547.0	18.29	18.35	18.35				
	2501.0	18.27	18.29	18.29				
50RB_0	2685.0	18.60	18.56	18.56				
	2639.0	18.55	18.57	18.51				
	2593.0	18.49	18.52	18.47				
	2547.0	18.31	18.34	18.27				
	2501.0	18.27	18.33	18.30				



Ant.1 – Power Level A1/B1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2682.5	18.51	18.56	18.29	19.5	19.5	19.5
		2637.8	18.43	18.51	18.23			
		2593.0	18.39	18.46	18.19			
		2548.3	18.33	18.40	18.11			
		2503.5	18.29	18.34	18.05			
	1RB_37	2682.5	18.56	18.60	18.32			
		2637.8	18.47	18.53	18.24			
		2593.0	18.48	18.52	18.25			
		2548.3	18.36	18.36	18.12			
		2503.5	18.38	18.41	18.10			
	1RB_0	2682.5	18.48	18.50	18.23			
		2637.8	18.52	18.51	18.26			
		2593.0	18.43	18.42	18.19			
		2548.3	18.30	18.30	18.03			
		2503.5	18.27	18.29	18.03			
	36RB_38	2682.5	18.56	18.51	18.57	19.5	19.5	19.5
		2637.8	18.44	18.42	18.48			
		2593.0	18.45	18.43	18.44			
		2548.3	18.29	18.26	18.29			
		2503.5	18.32	18.35	18.35			
	36RB_19	2682.5	18.52	18.47	18.51			
		2637.8	18.43	18.42	18.43			
		2593.0	18.42	18.37	18.41			
		2548.3	18.30	18.29	18.31			
		2503.5	18.31	18.31	18.31			
36RB_0	2682.5	18.59	18.49	18.59				
	2637.8	18.46	18.42	18.50				
	2593.0	18.43	18.39	18.39				
	2548.3	18.27	18.28	18.30				
	2503.5	18.26	18.23	18.25				
75RB_0	2682.5	18.57	18.51	18.55				
	2637.8	18.52	18.53	18.54				
	2593.0	18.42	18.44	18.45				
	2548.3	18.31	18.31	18.29				
	2503.5	18.31	18.34	18.31				



Ant.1 – Power Level A1/B1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2680.0	18.48	18.49	18.24	19.5	19.5	19.5
		2636.5	18.41	18.46	18.15			
		2593.0	18.39	18.41	18.16			
		2549.5	18.33	18.36	18.06			
		2506.0	18.27	18.29	17.99			
	1RB_50	2680.0	18.55	18.56	18.30			
		2636.5	18.54	18.53	18.27			
		2593.0	18.52	18.51	18.25			
		2549.5	18.38	18.37	18.10			
		2506.0	18.38	18.42	18.11			
	1RB_0	2680.0	18.48	18.51	18.22			
		2636.5	18.44	18.45	18.18			
		2593.0	18.34	18.42	18.12			
		2549.5	18.27	18.24	18.00			
		2506.0	18.27	18.29	17.99			
	50RB_50	2680.0	18.54	18.53	18.53	19.5	19.5	19.5
		2636.5	18.50	18.53	18.49			
		2593.0	18.43	18.45	18.48			
		2549.5	18.36	18.36	18.34			
		2506.0	18.39	18.42	18.40			
	50RB_25	2680.0	18.57	18.54	18.54			
		2636.5	18.55	18.49	18.50			
		2593.0	18.46	18.51	18.46			
		2549.5	18.39	18.37	18.34			
		2506.0	18.36	18.37	18.33			
50RB_0	2680.0	18.56	18.55	18.54				
	2636.5	18.53	18.53	18.56				
	2593.0	18.36	18.37	18.39				
	2549.5	18.31	18.36	18.34				
	2506.0	18.21	18.23	18.20				
100RB_0	2680.0	18.56	18.51	18.54				
	2636.5	18.49	18.54	18.53				
	2593.0	18.41	18.44	18.41				
	2549.5	18.31	18.34	18.32				
	2506.0	18.29	18.35	18.34				



Ant.1 – Power Level C1/D1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2687.5	21.63	21.68	21.40	22.5	22.5	22.5
		2640.3	21.54	21.59	21.33			
		2593.0	21.55	21.54	21.27			
		2545.8	21.39	21.42	21.14			
		2498.5	21.35	21.40	21.14			
	1RB_12	2687.5	21.69	21.65	21.44			
		2640.3	21.58	21.58	21.31			
		2593.0	21.58	21.64	21.33			
		2545.8	21.42	21.42	21.17			
		2498.5	21.36	21.36	21.12			
	1RB_0	2687.5	21.65	21.66	21.41			
		2640.3	21.55	21.53	21.34			
		2593.0	21.55	21.54	21.30			
		2545.8	21.37	21.41	21.12			
		2498.5	21.39	21.39	21.14			
	12RB_13	2687.5	21.59	21.56	20.60	22.5	22.5	21.5
		2640.3	21.55	21.47	20.51			
		2593.0	21.47	21.44	20.45			
		2545.8	21.35	21.32	20.33			
		2498.5	21.32	21.32	20.31			
	12RB_6	2687.5	21.63	21.59	20.62			
		2640.3	21.52	21.49	20.51			
		2593.0	21.48	21.42	20.45			
		2545.8	21.38	21.34	20.37			
		2498.5	21.36	21.33	20.33			
12RB_0	2687.5	21.65	21.64	20.67				
	2640.3	21.53	21.50	20.53				
	2593.0	21.49	21.47	20.48				
	2545.8	21.37	21.34	20.38				
	2498.5	21.34	21.31	20.32				
25RB_0	2687.5	21.63	21.70	20.65				
	2640.3	21.56	21.61	20.60				
	2593.0	21.50	21.51	20.50				
	2545.8	21.39	21.40	20.42				
	2498.5	21.34	21.41	20.37				



Ant.1 – Power Level C1/D1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2685.0	21.63	21.66	21.38	22.5	22.5	22.5
		2639.0	21.54	21.57	21.29			
		2593.0	21.50	21.53	21.24			
		2547.0	21.37	21.44	21.14			
		2501.0	21.40	21.43	21.13			
	1RB_24	2685.0	21.65	21.65	21.35			
		2639.0	21.54	21.61	21.31			
		2593.0	21.51	21.57	21.29			
		2547.0	21.42	21.47	21.16			
		2501.0	21.38	21.44	21.14			
	1RB_0	2685.0	21.61	21.66	21.37			
		2639.0	21.56	21.60	21.32			
		2593.0	21.54	21.55	21.27			
		2547.0	21.35	21.41	21.10			
		2501.0	21.34	21.40	21.10			
	25RB_25	2685.0	21.59	21.65	20.64	22.5	22.5	21.5
		2639.0	21.54	21.58	20.58			
		2593.0	21.52	21.53	20.57			
		2547.0	21.40	21.43	20.48			
		2501.0	21.37	21.45	20.43			
	25RB_12	2685.0	21.65	21.67	20.67			
		2639.0	21.53	21.59	20.57			
		2593.0	21.50	21.51	20.53			
		2547.0	21.41	21.44	20.47			
		2501.0	21.34	21.40	20.38			
	25RB_0	2685.0	21.63	21.69	20.67			
		2639.0	21.55	21.60	20.60			
		2593.0	21.50	21.52	20.53			
		2547.0	21.39	21.42	20.44			
		2501.0	21.29	21.35	20.35			
50RB_0	2685.0	21.66	21.66	20.62				
	2639.0	21.57	21.60	20.57				
	2593.0	21.54	21.56	20.52				
	2547.0	21.40	21.40	20.37				
	2501.0	21.39	21.38	20.36				



Ant.1 – Power Level C1/D1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2682.5	21.55	21.63	21.33	22.5	22.5	22.5
		2637.8	21.47	21.52	21.27			
		2593.0	21.42	21.52	21.23			
		2548.3	21.40	21.43	21.14			
		2503.5	21.37	21.42	21.11			
	1RB_37	2682.5	21.62	21.66	21.39			
		2637.8	21.53	21.58	21.30			
		2593.0	21.55	21.56	21.29			
		2548.3	21.38	21.46	21.15			
		2503.5	21.43	21.48	21.19			
	1RB_0	2682.5	21.55	21.59	21.30			
		2637.8	21.50	21.53	21.30			
		2593.0	21.47	21.53	21.25			
		2548.3	21.33	21.38	21.07			
		2503.5	21.33	21.36	21.10			
	36RB_38	2682.5	21.59	21.62	20.55	22.5	22.5	21.5
		2637.8	21.52	21.53	20.52			
		2593.0	21.52	21.49	20.48			
		2548.3	21.37	21.36	20.37			
		2503.5	21.41	21.43	20.45			
	36RB_19	2682.5	21.60	21.57	20.57			
		2637.8	21.51	21.51	20.50			
		2593.0	21.45	21.43	20.44			
		2548.3	21.39	21.35	20.36			
		2503.5	21.36	21.35	20.35			
36RB_0	2682.5	21.61	21.58	20.61				
	2637.8	21.52	21.52	20.52				
	2593.0	21.45	21.46	20.45				
	2548.3	21.35	21.33	20.35				
	2503.5	21.29	21.31	20.30				
75RB_0	2682.5	21.60	21.61	20.61				
	2637.8	21.58	21.57	20.54				
	2593.0	21.52	21.51	20.49				
	2548.3	21.38	21.37	20.35				
	2503.5	21.43	21.41	20.34				



Ant.1 – Power Level C1/D1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2680.0	21.50	21.57	21.28	22.5	22.5	22.5
		2636.5	21.41	21.48	21.20			
		2593.0	21.44	21.47	21.20			
		2549.5	21.35	21.38	21.10			
		2506.0	21.31	21.33	21.04			
	1RB_50	2680.0	21.63	21.62	21.37			
		2636.5	21.57	21.58	21.31			
		2593.0	21.53	21.58	21.26			
		2549.5	21.42	21.44	21.17			
		2506.0	21.43	21.48	21.19			
	1RB_0	2680.0	21.51	21.55	21.26			
		2636.5	21.48	21.51	21.25			
		2593.0	21.40	21.42	21.14			
		2549.5	21.31	21.36	21.04			
		2506.0	21.32	21.34	21.07			
	50RB_50	2680.0	21.56	21.60	20.58	22.5	22.5	21.5
		2636.5	21.54	21.57	20.52			
		2593.0	21.53	21.53	20.50			
		2549.5	21.43	21.43	20.39			
		2506.0	21.51	21.52	20.47			
	50RB_25	2680.0	21.62	21.61	20.61			
		2636.5	21.59	21.59	20.55			
		2593.0	21.64	21.57	20.54			
		2549.5	21.44	21.44	20.43			
		2506.0	21.53	21.42	20.40			
50RB_0	2680.0	21.58	21.61	20.58				
	2636.5	21.58	21.59	20.55				
	2593.0	21.43	21.45	20.42				
	2549.5	21.40	21.44	20.40				
	2506.0	21.29	21.32	20.27				
100RB_0	2680.0	21.58	21.58	20.59				
	2636.5	21.57	21.59	20.57				
	2593.0	21.48	21.50	20.44				
	2549.5	21.40	21.41	20.39				
	2506.0	21.38	21.40	20.38				



LTE Band 66 Ant.0

Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	23.01	22.25	21.17	24.0	23.0	22.0
		1745.0	23.01	22.19	21.06			
		1710.7	23.06	22.32	21.16			
	1RB_3	1779.3	23.01	22.30	21.18			
		1745.0	23.00	22.23	21.22			
		1710.7	23.05	22.30	21.16			
	1RB_0	1779.3	23.06	22.27	21.21			
		1745.0	23.00	22.26	21.23			
		1710.7	23.09	22.31	21.13			
	3RB_3	1779.3	23.01	21.97	21.13			
		1745.0	23.00	22.02	21.10			
		1710.7	23.08	22.09	21.08			
	3RB_1	1779.3	23.01	22.07	21.06			
		1745.0	23.07	22.01	21.18			
		1710.7	23.06	22.06	21.18			
	3RB_0	1779.3	23.00	22.00	21.08			
		1745.0	23.03	21.98	21.11			
		1710.7	23.07	22.09	21.15			
	6RB_0	1779.3	22.05	21.11	19.94	23.0	22.0	21.0
		1745.0	22.01	21.10	19.92			
		1710.7	22.07	21.11	20.00			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	22.94	22.18	21.02	24.0	23.0	22.0
		1745.0	23.03	22.31	21.00			
		1711.5	23.13	22.35	21.19			
	1RB_7	1778.5	22.99	22.29	21.19			
		1745.0	23.08	22.36	21.08			
		1711.5	23.12	22.25	21.16			
	1RB_0	1778.5	22.99	22.19	21.06			
		1745.0	23.07	22.31	21.23			
		1711.5	23.07	22.22	21.20			
	8RB_7	1778.5	21.97	21.05	20.01	23.0	22.0	21.0
		1745.0	22.00	21.01	20.03			
		1711.5	22.07	21.17	20.11			
	8RB_4	1778.5	21.99	21.02	19.99			
		1745.0	22.00	21.00	19.98			
		1711.5	22.02	21.08	20.01			
	8RB_0	1778.5	22.00	21.08	19.95			
		1745.0	21.98	21.02	19.97			
		1711.5	22.05	21.08	20.06			
	15RB_0	1778.5	21.97	21.04	19.98			
		1745.0	22.00	20.99	19.91			
		1711.5	22.07	21.09	20.06			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	23.03	22.24	21.15	24.0	23.0	22.0
		1745.0	23.04	22.22	21.25			
		1712.5	23.05	22.34	21.12			
	1RB_12	1777.5	23.10	22.30	21.13			
		1745.0	23.06	22.27	21.13			
		1712.5	23.17	22.41	21.35			
	1RB_0	1777.5	23.07	22.30	21.10			
		1745.0	23.04	22.30	21.10			
		1712.5	23.12	22.33	21.05			
	12RB_13	1777.5	21.99	20.97	20.02	23.0	22.0	21.0
		1745.0	22.02	20.96	19.96			
		1712.5	22.10	21.04	20.07			
	12RB_6	1777.5	22.03	21.00	20.01			
		1745.0	22.02	20.97	19.99			
		1712.5	22.08	21.07	20.06			
	12RB_0	1777.5	22.05	21.04	20.02			
		1745.0	22.01	21.04	20.03			
		1712.5	22.02	21.01	20.02			
	25RB_0	1777.5	22.05	21.05	19.98			
		1745.0	22.04	21.00	19.97			
		1712.5	22.10	21.09	20.07			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	23.00	22.29	21.08	24.0	23.0	22.0
		1745.0	23.04	22.29	21.05			
		1715.0	23.09	22.11	21.13			
	1RB_24	1775.0	22.98	22.31	21.10			
		1745.0	23.08	22.22	21.15			
		1715.0	23.09	22.42	21.32			
	1RB_0	1775.0	23.05	22.40	21.11			
		1745.0	23.10	22.20	21.23			
		1715.0	23.06	22.29	21.25			
	25RB_25	1775.0	22.03	21.00	19.95	23.0	22.0	21.0
		1745.0	22.05	21.06	20.03			
		1715.0	22.16	21.11	20.11			
	25RB_12	1775.0	22.02	21.00	19.99			
		1745.0	22.02	21.04	19.99			
		1715.0	22.12	21.08	20.05			
	25RB_0	1775.0	22.04	21.01	20.03			
		1745.0	22.08	21.03	20.04			
		1715.0	22.04	21.00	20.00			
	50RB_0	1775.0	22.05	21.02	20.02			
		1745.0	22.11	21.04	20.02			
		1715.0	22.07	21.04	20.03			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	23.00	22.15	21.05	24.0	23.0	22.0
		1745.0	22.88	22.14	21.01			
		1717.5	23.00	22.19	20.89			
	1RB_37	1772.5	23.08	22.37	21.16			
		1745.0	23.02	22.25	21.14			
		1717.5	23.13	22.36	21.22			
	1RB_0	1772.5	22.97	22.20	21.09			
		1745.0	23.01	22.37	21.09			
		1717.5	23.08	22.29	21.12			
	36RB_38	1772.5	22.01	21.05	19.95	23.0	22.0	21.0
		1745.0	21.99	20.99	19.96			
		1717.5	22.00	21.07	20.05			
	36RB_19	1772.5	22.02	21.04	20.03			
		1745.0	22.04	21.05	20.05			
		1717.5	21.99	21.02	19.99			
	36RB_0	1772.5	22.04	21.07	20.06			
		1745.0	22.01	20.98	20.01			
		1717.5	21.98	20.91	19.94			
	75RB_0	1772.5	22.06	21.01	19.99			
		1745.0	22.02	21.00	19.95			
		1717.5	22.04	20.94	19.93			



Ant.0 – Power Level A1/B1/C1/D1/A2/B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	22.94	22.17	20.95	24.0	23.0	22.0
		1745.0	22.92	22.21	20.99			
		1720.0	22.88	22.07	21.10			
	1RB_50	1770.0	23.03	22.14	21.18			
		1745.0	23.07	22.34	21.16			
		1720.0	23.00	22.20	21.12			
	1RB_0	1770.0	23.02	22.19	21.11			
		1745.0	23.00	22.25	21.18			
		1720.0	22.95	22.10	20.91			
	50RB_50	1770.0	21.96	20.94	19.94	23.0	22.0	21.0
		1745.0	22.02	21.05	20.00			
		1720.0	22.04	21.00	19.96			
	50RB_25	1770.0	22.03	21.03	20.01			
		1745.0	22.09	21.05	19.99			
		1720.0	22.05	21.00	20.00			
	50RB_0	1770.0	22.08	21.13	20.09			
		1745.0	22.05	21.09	20.04			
		1720.0	21.95	20.91	19.88			
	100RB_0	1770.0	22.02	21.02	20.03			
		1745.0	22.03	21.02	20.01			
		1720.0	21.94	20.93	19.93			



Ant.0 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	21.98	22.29	21.16	23.0	23.0	22.0
		1745.0	22.00	22.21	21.03			
		1710.7	22.03	22.28	21.18			
	1RB_3	1779.3	22.05	22.31	21.17			
		1745.0	22.01	22.18	21.21			
		1710.7	22.06	22.33	21.15			
	1RB_0	1779.3	22.10	22.28	21.17			
		1745.0	21.99	22.25	21.26			
		1710.7	22.13	22.31	21.16			
	3RB_3	1779.3	22.03	21.96	20.17			
		1745.0	21.96	22.01	20.10			
		1710.7	22.06	22.08	20.11			
	3RB_1	1779.3	21.96	22.02	20.10			
		1745.0	22.10	21.92	20.17			
		1710.7	22.07	22.05	20.18			
	3RB_0	1779.3	21.95	21.91	20.10			
		1745.0	21.99	21.88	20.09			
		1710.7	22.04	22.08	20.12			
	6RB_0	1779.3	22.02	21.08	19.90	23.0	22.0	21.0
		1745.0	22.04	21.12	19.90			
		1710.7	22.06	21.16	20.04			



Ant.0 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	21.95	22.18	21.01	23.0	23.0	22.0
		1745.0	21.99	22.29	20.95			
		1711.5	22.10	22.31	21.19			
	1RB_7	1778.5	21.95	22.30	21.21			
		1745.0	22.05	22.31	21.07			
		1711.5	22.12	22.24	21.19			
	1RB_0	1778.5	21.96	22.22	21.08			
		1745.0	22.08	22.36	21.24			
		1711.5	22.07	22.19	21.21			
	8RB_7	1778.5	22.01	21.06	19.99	23.0	22.0	21.0
		1745.0	22.01	21.01	20.02			
		1711.5	22.05	21.15	20.14			
	8RB_4	1778.5	22.00	21.00	19.95			
		1745.0	22.02	21.01	19.96			
		1711.5	22.01	21.04	20.04			
	8RB_0	1778.5	22.02	21.06	19.95			
		1745.0	21.97	21.06	19.99			
		1711.5	22.07	21.12	20.10			
	15RB_0	1778.5	21.93	21.06	19.95			
		1745.0	22.03	21.02	19.93			
		1711.5	22.12	21.10	20.02			



Ant.0 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	22.07	22.27	21.18	23.0	23.0	22.0
		1745.0	22.04	22.19	21.29			
		1712.5	22.05	22.32	21.09			
	1RB_12	1777.5	22.15	22.29	21.17			
		1745.0	22.07	22.27	21.14			
		1712.5	22.16	22.38	21.38			
	1RB_0	1777.5	22.03	22.28	21.15			
		1745.0	22.08	22.27	21.08			
		1712.5	22.17	22.28	21.03			
	12RB_13	1777.5	22.01	20.99	20.00	23.0	22.0	21.0
		1745.0	22.01	20.95	19.95			
		1712.5	22.15	21.01	20.09			
	12RB_6	1777.5	22.03	21.03	20.05			
		1745.0	22.00	20.97	19.95			
		1712.5	22.05	21.07	20.06			
	12RB_0	1777.5	22.08	21.03	20.00			
		1745.0	22.05	21.08	19.98			
		1712.5	22.07	20.96	20.07			
	25RB_0	1777.5	22.06	21.02	19.95			
		1745.0	22.09	21.00	20.01			
		1712.5	22.11	21.12	20.06			



Ant.0 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	21.96	22.28	21.11	23.0	23.0	22.0
		1745.0	22.08	22.24	21.02			
		1715.0	22.08	22.09	21.09			
	1RB_24	1775.0	21.99	22.27	21.09			
		1745.0	22.12	22.22	21.17			
		1715.0	22.07	22.46	21.27			
	1RB_0	1775.0	22.05	22.43	21.08			
		1745.0	22.14	22.18	21.27			
		1715.0	22.02	22.29	21.27			
	25RB_25	1775.0	22.04	21.02	19.97	23.0	22.0	21.0
		1745.0	22.02	21.04	20.08			
		1715.0	22.17	21.15	20.10			
	25RB_12	1775.0	21.99	21.04	19.97			
		1745.0	22.02	21.04	20.02			
		1715.0	22.11	21.06	20.00			
	25RB_0	1775.0	22.06	21.01	20.00			
		1745.0	22.03	20.99	20.03			
		1715.0	22.06	21.05	19.97			
	50RB_0	1775.0	22.01	21.02	20.07			
		1745.0	22.13	21.08	20.03			
		1715.0	22.06	21.05	20.02			



Ant.0 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	22.00	22.19	21.03	23.0	23.0	22.0
		1745.0	21.87	22.18	20.96			
		1717.5	22.00	22.21	20.90			
	1RB_37	1772.5	22.06	22.39	21.20			
		1745.0	22.05	22.21	21.14			
		1717.5	22.12	22.38	21.18			
	1RB_0	1772.5	22.01	22.19	21.11			
		1745.0	22.04	22.35	21.09			
		1717.5	22.08	22.32	21.15			
	36RB_38	1772.5	21.99	21.03	19.95	23.0	22.0	21.0
		1745.0	22.02	21.02	19.95			
		1717.5	22.01	21.06	20.06			
	36RB_19	1772.5	22.00	21.04	20.00			
		1745.0	21.99	21.03	20.07			
		1717.5	22.03	21.00	19.94			
	36RB_0	1772.5	22.06	21.07	20.04			
		1745.0	22.01	20.96	20.05			
		1717.5	22.03	20.87	19.94			
	75RB_0	1772.5	22.03	20.99	19.95			
		1745.0	21.99	20.96	20.00			
		1717.5	22.02	20.98	19.92			



Ant.0 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	21.98	22.22	20.93	23.0	23.0	22.0
		1745.0	21.92	22.22	21.04			
		1720.0	21.88	22.11	21.10			
	1RB_50	1770.0	22.02	22.09	21.20			
		1745.0	22.09	22.30	21.12			
		1720.0	22.02	22.21	21.07			
	1RB_0	1770.0	22.06	22.18	21.12			
		1745.0	22.04	22.26	21.18			
		1720.0	21.91	22.08	20.96			
	50RB_50	1770.0	21.92	20.91	19.91	23.0	22.0	21.0
		1745.0	22.07	21.10	20.03			
		1720.0	22.04	20.97	19.95			
	50RB_25	1770.0	22.02	21.03	19.98			
		1745.0	22.12	21.04	20.00			
		1720.0	22.01	21.00	20.02			
	50RB_0	1770.0	22.11	21.11	20.08			
		1745.0	22.05	21.08	20.02			
		1720.0	22.00	20.89	19.92			
	100RB_0	1770.0	21.99	21.07	20.06			
		1745.0	22.06	21.04	19.98			
		1720.0	21.94	20.96	19.94			



Ant.0 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	21.51	21.75	21.16	22.0	22.0	22.0
		1745.0	21.47	21.69	21.07			
		1710.7	21.60	21.80	21.18			
	1RB_3	1779.3	21.56	21.83	21.17			
		1745.0	21.52	21.74	21.24			
		1710.7	21.53	21.83	21.21			
	1RB_0	1779.3	21.59	21.80	21.22			
		1745.0	21.54	21.78	21.20			
		1710.7	21.59	21.79	21.18			
	3RB_3	1779.3	21.53	21.42	21.15			
		1745.0	21.50	21.50	21.06			
		1710.7	21.56	21.62	21.04			
	3RB_1	1779.3	21.49	21.56	21.02			
		1745.0	21.60	21.46	21.16			
		1710.7	21.55	21.58	21.20			
	3RB_0	1779.3	21.54	21.53	21.05			
		1745.0	21.50	21.47	21.13			
		1710.7	21.60	21.56	21.19			
	6RB_0	1779.3	21.54	21.13	19.97			
		1745.0	21.53	21.06	19.94			
		1710.7	21.54	21.10	19.98			



Ant.0 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	21.41	21.68	21.01	22.0	22.0	22.0
		1745.0	21.52	21.80	21.01			
		1711.5	21.63	21.83	21.15			
	1RB_7	1778.5	21.53	21.77	21.22			
		1745.0	21.57	21.83	21.11			
		1711.5	21.63	21.79	21.18			
	1RB_0	1778.5	21.50	21.69	21.02			
		1745.0	21.54	21.83	21.27			
		1711.5	21.54	21.73	21.19			
	8RB_7	1778.5	21.49	21.04	20.02	22.0	22.0	21.0
		1745.0	21.47	21.04	20.07			
		1711.5	21.56	21.14	20.07			
	8RB_4	1778.5	21.52	21.05	19.96			
		1745.0	21.50	20.97	20.01			
		1711.5	21.51	21.03	20.02			
	8RB_0	1778.5	21.53	21.11	19.96			
		1745.0	21.48	21.05	19.96			
		1711.5	21.52	21.11	20.04			
	15RB_0	1778.5	21.47	21.01	20.01			
		1745.0	21.54	20.94	19.94			
		1711.5	21.58	21.07	20.09			



Ant.0 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	21.56	21.73	21.16	22.0	22.0	22.0
		1745.0	21.57	21.68	21.29			
		1712.5	21.53	21.86	21.16			
	1RB_12	1777.5	21.55	21.83	21.16			
		1745.0	21.54	21.80	21.15			
		1712.5	21.64	21.89	21.32			
	1RB_0	1777.5	21.56	21.85	21.15			
		1745.0	21.55	21.80	21.10			
		1712.5	21.63	21.82	21.00			
	12RB_13	1777.5	21.45	20.94	20.04	22.0	22.0	21.0
		1745.0	21.56	20.96	19.99			
		1712.5	21.63	21.09	20.09			
	12RB_6	1777.5	21.57	21.01	19.99			
		1745.0	21.51	20.92	19.96			
		1712.5	21.62	21.11	20.09			
	12RB_0	1777.5	21.60	20.99	19.98			
		1745.0	21.47	21.05	19.99			
		1712.5	21.48	21.05	19.99			
	25RB_0	1777.5	21.58	21.02	19.94			
		1745.0	21.54	21.00	19.96			
		1712.5	21.57	21.06	20.06			



Ant.0 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	21.54	21.76	21.09	22.0	22.0	22.0
		1745.0	21.54	21.82	21.07			
		1715.0	21.60	21.62	21.15			
	1RB_24	1775.0	21.49	21.80	21.10			
		1745.0	21.63	21.74	21.13			
		1715.0	21.60	21.92	21.35			
	1RB_0	1775.0	21.57	21.92	21.09			
		1745.0	21.56	21.69	21.22			
		1715.0	21.54	21.75	21.30			
	25RB_25	1775.0	21.51	21.03	19.93	22.0	22.0	21.0
		1745.0	21.55	21.04	20.03			
		1715.0	21.64	21.09	20.14			
	25RB_12	1775.0	21.53	20.99	20.02			
		1745.0	21.49	21.00	19.98			
		1715.0	21.66	21.03	20.06			
	25RB_0	1775.0	21.54	21.03	20.02			
		1745.0	21.55	21.01	20.00			
		1715.0	21.56	21.00	20.02			
	50RB_0	1775.0	21.57	21.05	19.99			
		1745.0	21.64	21.05	20.00			
		1715.0	21.61	21.05	20.07			



Ant.0 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	21.45	21.67	21.06	22.0	22.0	22.0
		1745.0	21.39	21.65	21.03			
		1717.5	21.48	21.69	20.92			
	1RB_37	1772.5	21.55	21.87	21.17			
		1745.0	21.51	21.72	21.12			
		1717.5	21.64	21.82	21.20			
	1RB_0	1772.5	21.42	21.73	21.09			
		1745.0	21.51	21.85	21.07			
		1717.5	21.57	21.76	21.10			
	36RB_38	1772.5	21.47	21.07	19.99	22.0	22.0	21.0
		1745.0	21.47	21.00	19.94			
		1717.5	21.48	21.06	20.01			
	36RB_19	1772.5	21.50	20.99	20.01			
		1745.0	21.53	21.09	20.01			
		1717.5	21.52	21.06	19.97			
	36RB_0	1772.5	21.53	21.09	20.01			
		1745.0	21.53	21.03	20.04			
		1717.5	21.43	20.87	19.90			
	75RB_0	1772.5	21.60	20.96	20.02			
		1745.0	21.56	20.97	19.95			
		1717.5	21.49	20.98	19.88			



Ant.0 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	21.40	21.65	20.93	22.0	22.0	22.0
		1745.0	21.39	21.74	21.02			
		1720.0	21.34	21.54	21.10			
	1RB_50	1770.0	21.51	21.68	21.21			
		1745.0	21.54	21.85	21.20			
		1720.0	21.53	21.71	21.14			
	1RB_0	1770.0	21.53	21.64	21.08			
		1745.0	21.45	21.77	21.15			
		1720.0	21.47	21.64	20.94			
	50RB_50	1770.0	21.46	20.95	19.96	22.0	22.0	21.0
		1745.0	21.51	21.09	20.00			
		1720.0	21.54	20.99	20.01			
	50RB_25	1770.0	21.53	21.02	19.97			
		1745.0	21.63	21.03	20.03			
		1720.0	21.51	20.95	19.96			
	50RB_0	1770.0	21.54	21.09	20.06			
		1745.0	21.57	21.13	20.03			
		1720.0	21.43	20.89	19.85			
	100RB_0	1770.0	21.54	21.01	20.00			
		1745.0	21.54	21.04	20.04			
		1720.0	21.49	20.97	19.93			



LTE Band 66 Ant.1

Ant.1 – Power Level A1											
LTE Band 66			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	1779.3	16.34	16.44	16.40	17.5	17.5	17.5			
		1745.0	16.28	16.68	16.53						
		1710.7	16.41	16.66	16.56						
	1RB_3	1779.3	16.35	16.46	16.45						
		1745.0	16.28	16.67	16.36						
		1710.7	16.40	16.69	16.57						
	1RB_0	1779.3	16.31	16.48	16.49						
		1745.0	16.33	16.63	16.40						
		1710.7	16.43	16.68	16.49						
	3RB_3	1779.3	16.31	16.36	16.45						
		1745.0	16.28	16.32	16.44						
		1710.7	16.45	16.41	16.54						
	3RB_1	1779.3	16.33	16.40	16.50						
		1745.0	16.31	16.34	16.46						
		1710.7	16.46	16.43	16.58						
	3RB_0	1779.3	16.32	16.39	16.41						
		1745.0	16.31	16.35	16.44						
		1710.7	16.44	16.41	16.48						
	6RB_0	1779.3	16.36	16.44	16.29				17.5	17.5	17.5
		1745.0	16.30	16.39	16.33						
		1710.7	16.47	16.49	16.45						



Ant.1 – Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	16.29	16.65	16.43	17.5	17.5	17.5
		1745.0	16.30	16.62	16.40			
		1711.5	16.46	16.67	16.64			
	1RB_7	1778.5	16.38	16.63	16.44			
		1745.0	16.35	16.65	16.54			
		1711.5	16.45	16.66	16.62			
	1RB_0	1778.5	16.32	16.63	16.42			
		1745.0	16.30	16.57	16.49			
		1711.5	16.43	16.70	16.60			
	8RB_7	1778.5	16.28	16.34	16.37	17.5	17.5	17.5
		1745.0	16.26	16.36	16.40			
		1711.5	16.45	16.54	16.51			
	8RB_4	1778.5	16.34	16.40	16.38			
		1745.0	16.32	16.39	16.37			
		1711.5	16.44	16.54	16.49			
	8RB_0	1778.5	16.38	16.42	16.39			
		1745.0	16.31	16.39	16.38			
		1711.5	16.44	16.54	16.54			
	15RB_0	1778.5	16.35	16.39	16.31			
		1745.0	16.32	16.35	16.35			
		1711.5	16.48	16.48	16.51			



Ant.1 – Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	16.32	16.60	16.50	17.5	17.5	17.5
		1745.0	16.35	16.48	16.49			
		1712.5	16.53	16.79	16.53			
	1RB_12	1777.5	16.41	16.63	16.53			
		1745.0	16.37	16.52	16.46			
		1712.5	16.52	16.85	16.64			
	1RB_0	1777.5	16.36	16.56	16.51			
		1745.0	16.37	16.56	16.46			
		1712.5	16.49	16.68	16.58			
	12RB_13	1777.5	16.25	16.23	16.30	17.5	17.5	17.5
		1745.0	16.31	16.30	16.41			
		1712.5	16.46	16.44	16.48			
	12RB_6	1777.5	16.39	16.36	16.40			
		1745.0	16.31	16.33	16.40			
		1712.5	16.48	16.48	16.48			
	12RB_0	1777.5	16.44	16.40	16.47			
		1745.0	16.32	16.27	16.34			
		1712.5	16.49	16.44	16.47			
	25RB_0	1777.5	16.39	16.38	16.36			
		1745.0	16.34	16.31	16.33			
		1712.5	16.49	16.50	16.49			



Ant.1 – Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	16.29	16.56	16.42	17.5	17.5	17.5
		1745.0	16.32	16.61	16.47			
		1715.0	16.41	16.76	16.60			
	1RB_24	1775.0	16.32	16.64	16.49			
		1745.0	16.40	16.68	16.51			
		1715.0	16.55	16.74	16.69			
	1RB_0	1775.0	16.36	16.65	16.52			
		1745.0	16.40	16.72	16.53			
		1715.0	16.51	16.70	16.70			
	25RB_25	1775.0	16.26	16.23	16.21	17.5	17.5	17.5
		1745.0	16.33	16.38	16.38			
		1715.0	16.44	16.41	16.41			
	25RB_12	1775.0	16.35	16.37	16.36			
		1745.0	16.36	16.34	16.35			
		1715.0	16.51	16.51	16.54			
	25RB_0	1775.0	16.33	16.33	16.28			
		1745.0	16.31	16.33	16.31			
		1715.0	16.51	16.49	16.51			
	50RB_0	1775.0	16.33	16.30	16.30			
		1745.0	16.35	16.32	16.37			
		1715.0	16.43	16.42	16.42			



Ant.1 – Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	16.31	16.56	16.49	17.5	17.5	17.5
		1745.0	16.27	16.60	16.50			
		1717.5	16.29	16.57	16.39			
	1RB_37	1772.5	16.42	16.70	16.62			
		1745.0	16.38	16.55	16.59			
		1717.5	16.43	16.66	16.59			
	1RB_0	1772.5	16.30	16.68	16.43			
		1745.0	16.36	16.64	16.53			
		1717.5	16.44	16.70	16.60			
	36RB_38	1772.5	16.31	16.34	16.37	17.5	17.5	17.5
		1745.0	16.32	16.31	16.35			
		1717.5	16.32	16.36	16.42			
	36RB_19	1772.5	16.40	16.36	16.41			
		1745.0	16.37	16.35	16.42			
		1717.5	16.45	16.46	16.49			
	36RB_0	1772.5	16.34	16.33	16.38			
		1745.0	16.36	16.33	16.33			
		1717.5	16.49	16.45	16.47			
	75RB_0	1772.5	16.32	16.28	16.32			
		1745.0	16.34	16.34	16.30			
		1717.5	16.42	16.40	16.41			



Ant.1 – Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	16.30	16.54	16.51	17.5	17.5	17.5
		1745.0	16.29	16.43	16.54			
		1720.0	16.32	16.55	16.50			
	1RB_50	1770.0	16.40	16.73	16.67			
		1745.0	16.40	16.68	16.68			
		1720.0	16.47	16.68	16.63			
	1RB_0	1770.0	16.38	16.70	16.45			
		1745.0	16.35	16.72	16.58			
		1720.0	16.43	16.66	16.62			
	50RB_50	1770.0	16.35	16.34	16.35	17.5	17.5	17.5
		1745.0	16.27	16.28	16.28			
		1720.0	16.32	16.36	16.36			
	50RB_25	1770.0	16.50	16.44	16.42			
		1745.0	16.45	16.46	16.43			
		1720.0	16.49	16.52	16.47			
	50RB_0	1770.0	16.38	16.34	16.34			
		1745.0	16.29	16.26	16.26			
		1720.0	16.59	16.58	16.57			
	100RB_0	1770.0	16.35	16.37	16.38			
		1745.0	16.29	16.28	16.24			
		1720.0	16.48	16.45	16.45			



Ant.1 – Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	15.32	15.45	15.36	16.5	16.5	16.5
		1745.0	15.28	15.67	15.50			
		1710.7	15.45	15.64	15.59			
	1RB_3	1779.3	15.34	15.47	15.49			
		1745.0	15.31	15.71	15.38			
		1710.7	15.37	15.72	15.56			
	1RB_0	1779.3	15.33	15.46	15.46			
		1745.0	15.34	15.60	15.44			
		1710.7	15.45	15.68	15.51			
	3RB_3	1779.3	15.32	15.36	15.44			
		1745.0	15.31	15.35	15.47			
		1710.7	15.47	15.46	15.57			
	3RB_1	1779.3	15.35	15.41	15.51			
		1745.0	15.33	15.31	15.44			
		1710.7	15.50	15.44	15.63			
	3RB_0	1779.3	15.30	15.37	15.44			
		1745.0	15.27	15.33	15.43			
		1710.7	15.43	15.46	15.49			
	6RB_0	1779.3	15.35	15.43	15.33			
		1745.0	15.33	15.39	15.33			
		1710.7	15.42	15.44	15.50			



Ant.1 – Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	15.27	15.67	15.46	16.5	16.5	16.5
		1745.0	15.33	15.66	15.38			
		1711.5	15.51	15.62	15.61			
	1RB_7	1778.5	15.37	15.59	15.40			
		1745.0	15.33	15.64	15.55			
		1711.5	15.50	15.67	15.58			
	1RB_0	1778.5	15.30	15.63	15.38			
		1745.0	15.26	15.58	15.54			
		1711.5	15.43	15.68	15.60			
	8RB_7	1778.5	15.33	15.36	15.40	16.5	16.5	16.5
		1745.0	15.21	15.40	15.42			
		1711.5	15.42	15.50	15.51			
	8RB_4	1778.5	15.32	15.44	15.33			
		1745.0	15.28	15.37	15.33			
		1711.5	15.39	15.56	15.51			
	8RB_0	1778.5	15.36	15.37	15.39			
		1745.0	15.35	15.43	15.37			
		1711.5	15.46	15.58	15.50			
	15RB_0	1778.5	15.30	15.37	15.36			
		1745.0	15.36	15.34	15.30			
		1711.5	15.43	15.46	15.51			



Ant.1 – Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	15.36	15.59	15.54	16.5	16.5	16.5
		1745.0	15.33	15.46	15.49			
		1712.5	15.49	15.84	15.58			
	1RB_12	1777.5	15.37	15.63	15.50			
		1745.0	15.36	15.50	15.47			
		1712.5	15.48	15.85	15.68			
	1RB_0	1777.5	15.34	15.56	15.54			
		1745.0	15.34	15.61	15.49			
		1712.5	15.52	15.70	15.60			
	12RB_13	1777.5	15.24	15.28	15.33	16.5	16.5	16.5
		1745.0	15.29	15.29	15.46			
		1712.5	15.50	15.42	15.51			
	12RB_6	1777.5	15.39	15.32	15.36			
		1745.0	15.35	15.31	15.40			
		1712.5	15.50	15.46	15.46			
	12RB_0	1777.5	15.48	15.38	15.47			
		1745.0	15.30	15.26	15.32			
		1712.5	15.53	15.43	15.47			
	25RB_0	1777.5	15.37	15.36	15.40			
		1745.0	15.31	15.31	15.32			
		1712.5	15.47	15.49	15.52			



Ant.1 – Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	15.26	15.56	15.43	16.5	16.5	16.5
		1745.0	15.30	15.64	15.48			
		1715.0	15.45	15.73	15.65			
	1RB_24	1775.0	15.34	15.65	15.52			
		1745.0	15.45	15.72	15.51			
		1715.0	15.52	15.72	15.65			
	1RB_0	1775.0	15.32	15.67	15.51			
		1745.0	15.44	15.71	15.53			
		1715.0	15.47	15.70	15.70			
	25RB_25	1775.0	15.28	15.27	15.26	16.5	16.5	16.5
		1745.0	15.33	15.41	15.34			
		1715.0	15.42	15.43	15.40			
	25RB_12	1775.0	15.39	15.40	15.35			
		1745.0	15.34	15.32	15.39			
		1715.0	15.47	15.54	15.52			
	25RB_0	1775.0	15.28	15.36	15.31			
		1745.0	15.27	15.31	15.28			
		1715.0	15.48	15.49	15.46			
	50RB_0	1775.0	15.31	15.27	15.28			
		1745.0	15.39	15.33	15.38			
		1715.0	15.44	15.44	15.46			



Ant.1 – Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	15.31	15.52	15.51	16.5	16.5	16.5
		1745.0	15.27	15.60	15.54			
		1717.5	15.26	15.60	15.40			
	1RB_37	1772.5	15.47	15.70	15.59			
		1745.0	15.38	15.54	15.63			
		1717.5	15.46	15.68	15.56			
	1RB_0	1772.5	15.30	15.71	15.48			
		1745.0	15.40	15.61	15.52			
		1717.5	15.45	15.71	15.59			
	36RB_38	1772.5	15.29	15.38	15.34	16.5	16.5	16.5
		1745.0	15.36	15.36	15.33			
		1717.5	15.37	15.35	15.42			
	36RB_19	1772.5	15.40	15.32	15.44			
		1745.0	15.42	15.34	15.40			
		1717.5	15.45	15.49	15.47			
	36RB_0	1772.5	15.31	15.35	15.37			
		1745.0	15.33	15.29	15.36			
		1717.5	15.48	15.49	15.51			
	75RB_0	1772.5	15.29	15.26	15.37			
		1745.0	15.33	15.36	15.32			
		1717.5	15.39	15.39	15.44			



Ant.1 – Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	15.34	15.50	15.54	16.5	16.5	16.5
		1745.0	15.24	15.45	15.54			
		1720.0	15.35	15.60	15.51			
	1RB_50	1770.0	15.36	15.78	15.70			
		1745.0	15.39	15.69	15.68			
		1720.0	15.47	15.73	15.59			
	1RB_0	1770.0	15.38	15.74	15.49			
		1745.0	15.37	15.71	15.58			
		1720.0	15.40	15.62	15.60			
	50RB_50	1770.0	15.34	15.37	15.33	16.5	16.5	16.5
		1745.0	15.28	15.25	15.28			
		1720.0	15.28	15.38	15.39			
	50RB_25	1770.0	15.45	15.40	15.42			
		1745.0	15.44	15.48	15.44			
		1720.0	15.48	15.52	15.49			
	50RB_0	1770.0	15.39	15.34	15.34			
		1745.0	15.32	15.27	15.25			
		1720.0	15.57	15.63	15.60			
	100RB_0	1770.0	15.33	15.42	15.37			
		1745.0	15.33	15.28	15.21			
		1720.0	15.45	15.44	15.46			



Ant.1 – Power Level C1/D1											
LTE Band 66			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	1779.3	19.96	20.03	19.99	21.0	21.0	21.0			
		1745.0	19.87	20.23	20.10						
		1710.7	20.02	20.25	20.17						
	1RB_3	1779.3	19.91	20.11	20.07						
		1745.0	19.83	20.22	20.00						
		1710.7	20.01	20.25	20.20						
	1RB_0	1779.3	19.87	20.08	20.07						
		1745.0	19.92	20.20	20.00						
		1710.7	20.00	20.26	20.14						
	3RB_3	1779.3	19.93	19.92	20.07						
		1745.0	19.92	19.91	20.08						
		1710.7	20.03	19.97	20.12						
	3RB_1	1779.3	19.96	19.97	20.06						
		1745.0	19.89	19.93	20.08						
		1710.7	20.05	20.01	20.16						
	3RB_0	1779.3	19.97	19.98	20.03						
		1745.0	19.96	19.91	20.07						
		1710.7	20.02	19.99	20.08						
	6RB_0	1779.3	19.98	20.08	19.87				21.0	21.0	21.0
		1745.0	19.87	19.97	19.89						
		1710.7	20.10	20.12	20.06						



Ant.1 – Power Level C1/D1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	19.86	20.21	20.08	21.0	21.0	21.0
		1745.0	19.89	20.24	19.97			
		1711.5	20.07	20.29	20.23			
	1RB_7	1778.5	19.96	20.26	20.01			
		1745.0	19.96	20.22	20.15			
		1711.5	20.05	20.27	20.19			
	1RB_0	1778.5	19.90	20.26	20.02			
		1745.0	19.86	20.14	20.11			
		1711.5	20.07	20.34	20.21			
	8RB_7	1778.5	19.83	19.92	19.92	21.0	21.0	21.0
		1745.0	19.84	19.95	20.00			
		1711.5	20.02	20.14	20.06			
	8RB_4	1778.5	19.97	20.00	19.94			
		1745.0	19.97	20.03	19.97			
		1711.5	20.04	20.10	20.08			
	8RB_0	1778.5	20.02	20.00	19.98			
		1745.0	19.88	19.99	19.99			
		1711.5	20.07	20.16	20.12			
	15RB_0	1778.5	19.92	19.96	19.89			
		1745.0	19.87	19.93	19.93			
		1711.5	20.08	20.11	20.07			



Ant.1 – Power Level C1/D1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	19.96	20.19	20.13	21.0	21.0	21.0
		1745.0	19.97	20.13	20.05			
		1712.5	20.12	20.35	20.09			
	1RB_12	1777.5	19.99	20.20	20.16			
		1745.0	20.01	20.10	20.03			
		1712.5	20.11	20.41	20.22			
	1RB_0	1777.5	19.99	20.16	20.13			
		1745.0	19.94	20.17	20.10			
		1712.5	20.12	20.24	20.23			
	12RB_13	1777.5	19.83	19.85	19.92	21.0	21.0	21.0
		1745.0	19.96	19.95	20.01			
		1712.5	20.09	20.09	20.04			
	12RB_6	1777.5	20.01	20.00	20.01			
		1745.0	19.96	19.88	19.97			
		1712.5	20.08	20.08	20.05			
	12RB_0	1777.5	20.00	20.05	20.05			
		1745.0	19.94	19.84	19.95			
		1712.5	20.08	20.04	20.09			
	25RB_0	1777.5	19.99	20.01	20.00			
		1745.0	19.99	19.92	19.95			
		1712.5	20.09	20.07	20.05			



Ant.1 – Power Level C1/D1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	19.86	20.12	20.05	21.0	21.0	21.0
		1745.0	19.88	20.24	20.10			
		1715.0	20.03	20.37	20.24			
	1RB_24	1775.0	19.92	20.20	20.09			
		1745.0	19.99	20.29	20.14			
		1715.0	20.14	20.37	20.32			
	1RB_0	1775.0	19.92	20.22	20.07			
		1745.0	19.97	20.33	20.14			
		1715.0	20.09	20.27	20.28			
	25RB_25	1775.0	19.91	19.87	19.85	21.0	21.0	21.0
		1745.0	19.91	19.98	19.94			
		1715.0	20.03	19.98	20.00			
	25RB_12	1775.0	19.92	19.95	20.00			
		1745.0	20.01	19.94	19.93			
		1715.0	20.08	20.10	20.16			
	25RB_0	1775.0	19.92	19.92	19.87			
		1745.0	19.88	19.93	19.92			
		1715.0	20.16	20.08	20.14			
	50RB_0	1775.0	19.95	19.94	19.87			
		1745.0	19.94	19.94	19.98			
		1715.0	20.05	20.04	20.05			



Ant.1 – Power Level C1/D1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	19.94	20.17	20.09	21.0	21.0	21.0
		1745.0	19.87	20.24	20.06			
		1717.5	19.89	20.20	19.99			
	1RB_37	1772.5	19.98	20.31	20.26			
		1745.0	20.02	20.11	20.24			
		1717.5	20.00	20.30	20.24			
	1RB_0	1772.5	19.89	20.24	19.99			
		1745.0	19.95	20.22	20.12			
		1717.5	20.06	20.32	20.16			
	36RB_38	1772.5	19.89	19.98	20.01	21.0	21.0	21.0
		1745.0	19.97	19.93	19.92			
		1717.5	19.97	19.96	20.06			
	36RB_19	1772.5	20.03	19.94	20.00			
		1745.0	19.95	19.91	20.05			
		1717.5	20.10	20.10	20.11			
	36RB_0	1772.5	19.94	19.90	20.01			
		1745.0	19.97	19.91	19.91			
		1717.5	20.08	20.07	20.09			
	75RB_0	1772.5	19.91	19.86	19.94			
		1745.0	19.91	19.97	19.89			
		1717.5	20.05	20.01	19.98			



Ant.1 – Power Level C1/D1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	19.92	20.10	20.12	21.0	21.0	21.0
		1745.0	19.87	20.04	20.16			
		1720.0	19.94	20.12	20.12			
	1RB_50	1770.0	20.02	20.35	20.26			
		1745.0	19.98	20.32	20.31			
		1720.0	20.10	20.26	20.22			
	1RB_0	1770.0	19.96	20.27	20.07			
		1745.0	19.90	20.36	20.14			
		1720.0	20.01	20.28	20.21			
	50RB_50	1770.0	19.99	19.98	19.95	21.0	21.0	21.0
		1745.0	19.82	19.90	19.89			
		1720.0	19.90	19.99	19.99			
	50RB_25	1770.0	20.08	20.04	20.01			
		1745.0	20.04	20.05	20.05			
		1720.0	20.12	20.11	20.04			
	50RB_0	1770.0	20.00	19.91	19.92			
		1745.0	19.93	19.86	19.89			
		1720.0	20.14	20.16	20.20			
	100RB_0	1770.0	19.93	19.99	19.95			
		1745.0	19.91	19.91	19.89			
		1720.0	20.13	20.08	20.08			



Ant.1 – Power Level A2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	14.46	14.58	14.40	15.5	15.5	15.5
		1745.0	14.41	14.60	14.49			
		1710.7	14.46	14.64	14.61			
	1RB_3	1779.3	14.51	14.65	14.61			
		1745.0	14.47	14.68	14.51			
		1710.7	14.55	14.69	14.61			
	1RB_0	1779.3	14.42	14.67	14.52			
		1745.0	14.38	14.58	14.42			
		1710.7	14.58	14.71	14.64			
	3RB_3	1779.3	14.47	14.45	14.48			
		1745.0	14.38	14.38	14.50			
		1710.7	14.58	14.52	14.52			
	3RB_1	1779.3	14.42	14.46	14.51			
		1745.0	14.43	14.42	14.50			
		1710.7	14.40	14.53	14.58			
	3RB_0	1779.3	14.44	14.44	14.47			
		1745.0	14.36	14.39	14.51			
		1710.7	14.52	14.51	14.65			
	6RB_0	1779.3	14.43	14.49	14.36			
		1745.0	14.35	14.44	14.26			
		1710.7	14.51	14.59	14.45			



Ant.1 – Power Level A2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	14.33	14.67	14.51	15.5	15.5	15.5
		1745.0	14.35	14.60	14.48			
		1711.5	14.46	14.77	14.63			
	1RB_7	1778.5	14.40	14.64	14.50			
		1745.0	14.44	14.66	14.64			
		1711.5	14.49	14.67	14.67			
	1RB_0	1778.5	14.37	14.54	14.39			
		1745.0	14.37	14.63	14.53			
		1711.5	14.49	14.72	14.68			
	8RB_7	1778.5	14.37	14.45	14.37	15.5	15.5	15.5
		1745.0	14.31	14.39	14.38			
		1711.5	14.45	14.56	14.59			
	8RB_4	1778.5	14.37	14.43	14.39			
		1745.0	14.37	14.45	14.40			
		1711.5	14.47	14.54	14.48			
	8RB_0	1778.5	14.41	14.50	14.44			
		1745.0	14.34	14.40	14.35			
		1711.5	14.50	14.60	14.47			
	15RB_0	1778.5	14.36	14.45	14.31			
		1745.0	14.33	14.35	14.37			
		1711.5	14.53	14.46	14.51			



Ant.1 – Power Level A2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	14.36	14.50	14.52	15.5	15.5	15.5
		1745.0	14.44	14.70	14.58			
		1712.5	14.47	14.59	14.52			
	1RB_12	1777.5	14.49	14.59	14.66			
		1745.0	14.55	14.66	14.62			
		1712.5	14.57	14.74	14.64			
	1RB_0	1777.5	14.48	14.49	14.59			
		1745.0	14.54	14.69	14.51			
		1712.5	14.54	14.74	14.42			
	12RB_13	1777.5	14.26	14.32	14.28	15.5	15.5	15.5
		1745.0	14.35	14.31	14.41			
		1712.5	14.46	14.51	14.49			
	12RB_6	1777.5	14.47	14.38	14.42			
		1745.0	14.40	14.38	14.33			
		1712.5	14.51	14.54	14.52			
	12RB_0	1777.5	14.47	14.54	14.52			
		1745.0	14.43	14.41	14.38			
		1712.5	14.54	14.44	14.42			
	25RB_0	1777.5	14.41	14.47	14.43			
		1745.0	14.40	14.40	14.33			
		1712.5	14.57	14.45	14.49			



Ant.1 – Power Level A2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	14.40	14.57	14.41	15.5	15.5	15.5
		1745.0	14.41	14.62	14.43			
		1715.0	14.61	14.69	14.63			
	1RB_24	1775.0	14.44	14.63	14.43			
		1745.0	14.49	14.73	14.50			
		1715.0	14.65	14.78	14.59			
	1RB_0	1775.0	14.43	14.63	14.51			
		1745.0	14.54	14.66	14.62			
		1715.0	14.63	14.75	14.55			
	25RB_25	1775.0	14.22	14.28	14.22	15.5	15.5	15.5
		1745.0	14.38	14.42	14.42			
		1715.0	14.42	14.41	14.41			
	25RB_12	1775.0	14.41	14.39	14.36			
		1745.0	14.38	14.43	14.37			
		1715.0	14.50	14.52	14.53			
	25RB_0	1775.0	14.45	14.43	14.32			
		1745.0	14.41	14.35	14.36			
		1715.0	14.54	14.53	14.45			
	50RB_0	1775.0	14.31	14.40	14.34			
		1745.0	14.41	14.38	14.40			
		1715.0	14.48	14.43	14.48			



Ant.1 – Power Level A2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	14.31	14.58	14.31	15.5	15.5	15.5
		1745.0	14.31	14.49	14.47			
		1717.5	14.38	14.50	14.37			
	1RB_37	1772.5	14.40	14.74	14.44			
		1745.0	14.38	14.58	14.59			
		1717.5	14.54	14.58	14.58			
	1RB_0	1772.5	14.40	14.69	14.47			
		1745.0	14.41	14.66	14.54			
		1717.5	14.56	14.62	14.61			
	36RB_38	1772.5	14.34	14.35	14.28	15.5	15.5	15.5
		1745.0	14.41	14.38	14.37			
		1717.5	14.41	14.31	14.42			
	36RB_19	1772.5	14.38	14.43	14.38			
		1745.0	14.42	14.37	14.45			
		1717.5	14.43	14.38	14.44			
	36RB_0	1772.5	14.35	14.33	14.36			
		1745.0	14.31	14.40	14.39			
		1717.5	14.54	14.45	14.47			
	75RB_0	1772.5	14.31	14.24	14.31			
		1745.0	14.39	14.28	14.31			
		1717.5	14.47	14.46	14.43			



Ant.1 – Power Level A2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	14.30	14.62	14.35	15.5	15.5	15.5
		1745.0	14.32	14.44	14.27			
		1720.0	14.40	14.72	14.38			
	1RB_50	1770.0	14.43	14.79	14.57			
		1745.0	14.46	14.52	14.51			
		1720.0	14.61	14.72	14.50			
	1RB_0	1770.0	14.41	14.67	14.58			
		1745.0	14.34	14.46	14.32			
		1720.0	14.53	14.78	14.51			
	50RB_50	1770.0	14.28	14.27	14.27	15.5	15.5	15.5
		1745.0	14.27	14.33	14.28			
		1720.0	14.35	14.35	14.35			
	50RB_25	1770.0	14.45	14.44	14.35			
		1745.0	14.45	14.44	14.44			
		1720.0	14.47	14.51	14.48			
	50RB_0	1770.0	14.33	14.36	14.32			
		1745.0	14.36	14.27	14.22			
		1720.0	14.55	14.54	14.53			
	100RB_0	1770.0	14.26	14.34	14.32			
		1745.0	14.22	14.25	14.24			
		1720.0	14.46	14.43	14.47			



Ant.1 – Power Level B2											
LTE Band 66			Actual output Power (dBm)			Tune up					
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation					
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM			
1.4 MHz	1RB_5	1779.3	13.94	14.08	13.89	15.0	15.0	15.0			
		1745.0	13.92	14.11	14.02						
		1710.7	13.98	14.17	14.06						
	1RB_3	1779.3	13.99	14.19	14.08						
		1745.0	13.89	14.19	13.95						
		1710.7	14.02	14.22	14.12						
	1RB_0	1779.3	13.96	14.18	14.02						
		1745.0	13.90	14.07	13.91						
		1710.7	14.02	14.21	14.12						
	3RB_3	1779.3	13.91	13.90	13.99						
		1745.0	13.90	13.93	13.95						
		1710.7	14.04	13.99	14.03						
	3RB_1	1779.3	13.97	13.92	14.02						
		1745.0	13.93	13.91	13.99						
		1710.7	13.97	14.06	14.03						
	3RB_0	1779.3	13.96	13.98	13.94						
		1745.0	13.84	13.90	13.99						
		1710.7	13.99	13.95	14.19						
	6RB_0	1779.3	13.98	13.98	13.82				15.0	15.0	15.0
		1745.0	13.88	14.00	13.74						
		1710.7	14.02	14.07	13.93						



Ant.1 – Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	13.87	14.09	14.02	15.0	15.0	15.0
		1745.0	13.89	14.18	14.03			
		1711.5	13.94	14.27	14.16			
	1RB_7	1778.5	13.89	14.10	14.00			
		1745.0	13.98	14.17	14.11			
		1711.5	14.05	14.20	14.15			
	1RB_0	1778.5	13.90	14.14	13.95			
		1745.0	13.93	14.10	14.07			
		1711.5	13.98	14.23	14.11			
	8RB_7	1778.5	13.89	13.89	13.85	15.0	15.0	15.0
		1745.0	13.89	13.94	13.89			
		1711.5	14.01	14.09	14.04			
	8RB_4	1778.5	13.92	13.92	13.85			
		1745.0	13.87	13.88	13.83			
		1711.5	13.99	14.01	14.07			
	8RB_0	1778.5	13.94	14.01	13.97			
		1745.0	13.84	13.87	13.92			
		1711.5	13.96	14.09	13.97			
	15RB_0	1778.5	13.89	13.94	13.84			
		1745.0	13.85	13.89	13.80			
		1711.5	14.00	14.03	14.01			



Ant.1 – Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	13.92	14.01	14.05	15.0	15.0	15.0
		1745.0	13.95	14.11	14.06			
		1712.5	14.00	14.07	14.10			
	1RB_12	1777.5	14.03	14.11	14.10			
		1745.0	14.01	14.14	14.18			
		1712.5	14.11	14.27	14.10			
	1RB_0	1777.5	13.90	14.00	14.07			
		1745.0	14.01	14.14	14.06			
		1712.5	14.10	14.19	13.96			
	12RB_13	1777.5	13.74	13.73	13.73	15.0	15.0	15.0
		1745.0	13.87	13.86	13.88			
		1712.5	13.95	14.01	13.98			
	12RB_6	1777.5	13.95	13.89	13.86			
		1745.0	13.89	13.92	13.90			
		1712.5	14.02	14.05	14.01			
	12RB_0	1777.5	14.02	13.97	14.00			
		1745.0	13.93	13.89	13.87			
		1712.5	14.03	14.04	13.99			
	25RB_0	1777.5	13.88	13.91	13.85			
		1745.0	13.92	13.92	13.90			
		1712.5	14.09	13.99	13.97			



Ant.1 – Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	13.87	14.05	13.92	15.0	15.0	15.0
		1745.0	13.96	14.07	13.99			
		1715.0	14.06	14.25	14.12			
	1RB_24	1775.0	13.93	14.10	13.96			
		1745.0	14.01	14.21	14.07			
		1715.0	14.12	14.24	14.15			
	1RB_0	1775.0	13.94	14.16	13.95			
		1745.0	14.02	14.16	14.09			
		1715.0	14.09	14.24	14.01			
	25RB_25	1775.0	13.71	13.78	13.68	15.0	15.0	15.0
		1745.0	13.94	13.96	13.94			
		1715.0	13.98	13.96	13.88			
	25RB_12	1775.0	13.95	13.91	13.91			
		1745.0	13.90	13.95	13.85			
		1715.0	14.07	14.09	14.05			
	25RB_0	1775.0	13.90	13.94	13.84			
		1745.0	13.87	13.81	13.84			
		1715.0	13.99	13.99	13.95			
	50RB_0	1775.0	13.83	13.90	13.85			
		1745.0	13.96	13.92	13.85			
		1715.0	13.99	13.97	13.98			



Ant.1 – Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	13.88	14.03	13.77	15.0	15.0	15.0
		1745.0	13.75	14.05	13.91			
		1717.5	13.93	14.06	13.90			
	1RB_37	1772.5	13.91	14.15	13.89			
		1745.0	13.89	14.09	14.14			
		1717.5	14.06	14.07	14.09			
	1RB_0	1772.5	13.87	14.15	13.91			
		1745.0	13.87	14.11	14.10			
		1717.5	14.00	14.10	14.08			
	36RB_38	1772.5	13.77	13.82	13.79	15.0	15.0	15.0
		1745.0	13.89	13.92	13.88			
		1717.5	13.91	13.91	13.96			
	36RB_19	1772.5	13.85	13.92	13.91			
		1745.0	13.90	13.90	13.90			
		1717.5	13.99	13.92	13.92			
	36RB_0	1772.5	13.83	13.85	13.86			
		1745.0	13.79	13.85	13.87			
		1717.5	13.99	14.00	13.94			
	75RB_0	1772.5	13.82	13.78	13.79			
		1745.0	13.90	13.81	13.81			
		1717.5	13.93	13.93	13.93			



Ant.1 – Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	13.77	14.16	13.80	15.0	15.0	15.0
		1745.0	13.90	13.95	13.72			
		1720.0	13.83	14.15	13.91			
	1RB_50	1770.0	13.90	14.26	14.08			
		1745.0	13.97	14.07	13.99			
		1720.0	14.07	14.26	14.06			
	1RB_0	1770.0	13.84	14.15	14.00			
		1745.0	13.86	13.99	13.88			
		1720.0	13.98	14.22	14.04			
	50RB_50	1770.0	13.76	13.79	13.72	15.0	15.0	15.0
		1745.0	13.81	13.83	13.75			
		1720.0	13.84	13.85	13.84			
	50RB_25	1770.0	13.92	13.97	13.90			
		1745.0	13.89	13.90	13.93			
		1720.0	14.01	14.01	13.98			
	50RB_0	1770.0	13.88	13.82	13.77			
		1745.0	13.79	13.75	13.68			
		1720.0	14.12	14.11	14.11			
	100RB_0	1770.0	13.76	13.76	13.77			
		1745.0	13.74	13.72	13.71			
		1720.0	13.99	13.92	13.95			



Ant.1 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	18.40	18.60	18.41	19.5	19.5	19.5
		1745.0	18.45	18.63	18.49			
		1710.7	18.55	18.62	18.56			
	1RB_3	1779.3	18.44	18.64	18.54			
		1745.0	18.38	18.63	18.43			
		1710.7	18.53	18.69	18.64			
	1RB_0	1779.3	18.46	18.70	18.48			
		1745.0	18.39	18.66	18.41			
		1710.7	18.50	18.69	18.60			
	3RB_3	1779.3	18.39	18.44	18.49			
		1745.0	18.43	18.44	18.50			
		1710.7	18.51	18.47	18.57			
	3RB_1	1779.3	18.40	18.42	18.51			
		1745.0	18.36	18.40	18.43			
		1710.7	18.43	18.56	18.54			
	3RB_0	1779.3	18.49	18.47	18.50			
		1745.0	18.35	18.37	18.51			
		1710.7	18.54	18.51	18.63			
	6RB_0	1779.3	18.43	18.44	18.30			
		1745.0	18.36	18.41	18.25			
		1710.7	18.48	18.54	18.47			



Ant.1 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	18.38	18.66	18.52	19.5	19.5	19.5
		1745.0	18.40	18.60	18.49			
		1711.5	18.51	18.76	18.67			
	1RB_7	1778.5	18.44	18.68	18.51			
		1745.0	18.41	18.71	18.64			
		1711.5	18.47	18.75	18.65			
	1RB_0	1778.5	18.36	18.60	18.39			
		1745.0	18.39	18.63	18.52			
		1711.5	18.52	18.70	18.65			
	8RB_7	1778.5	18.36	18.44	18.33	19.5	19.5	19.5
		1745.0	18.38	18.45	18.42			
		1711.5	18.47	18.55	18.58			
	8RB_4	1778.5	18.41	18.44	18.41			
		1745.0	18.38	18.37	18.37			
		1711.5	18.48	18.54	18.52			
	8RB_0	1778.5	18.46	18.46	18.41			
		1745.0	18.32	18.46	18.39			
		1711.5	18.53	18.55	18.48			
	15RB_0	1778.5	18.43	18.44	18.36			
		1745.0	18.33	18.39	18.28			
		1711.5	18.48	18.49	18.46			



Ant.1 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	18.43	18.55	18.51	19.5	19.5	19.5
		1745.0	18.41	18.66	18.57			
		1712.5	18.50	18.58	18.61			
	1RB_12	1777.5	18.55	18.55	18.63			
		1745.0	18.54	18.66	18.69			
		1712.5	18.60	18.79	18.64			
	1RB_0	1777.5	18.44	18.49	18.56			
		1745.0	18.50	18.67	18.53			
		1712.5	18.60	18.77	18.48			
	12RB_13	1777.5	18.30	18.25	18.28	19.5	19.5	19.5
		1745.0	18.42	18.32	18.34			
		1712.5	18.48	18.47	18.41			
	12RB_6	1777.5	18.39	18.37	18.45			
		1745.0	18.39	18.37	18.34			
		1712.5	18.55	18.55	18.50			
	12RB_0	1777.5	18.56	18.45	18.52			
		1745.0	18.38	18.34	18.40			
		1712.5	18.46	18.44	18.50			
	25RB_0	1777.5	18.41	18.43	18.38			
		1745.0	18.40	18.44	18.35			
		1712.5	18.51	18.49	18.49			



Ant.1 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	18.37	18.64	18.42	19.5	19.5	19.5
		1745.0	18.42	18.65	18.40			
		1715.0	18.62	18.77	18.70			
	1RB_24	1775.0	18.40	18.63	18.44			
		1745.0	18.46	18.68	18.49			
		1715.0	18.59	18.78	18.60			
	1RB_0	1775.0	18.45	18.70	18.43			
		1745.0	18.54	18.72	18.59			
		1715.0	18.61	18.71	18.52			
	25RB_25	1775.0	18.22	18.23	18.20	19.5	19.5	19.5
		1745.0	18.40	18.43	18.42			
		1715.0	18.48	18.43	18.40			
	25RB_12	1775.0	18.44	18.39	18.33			
		1745.0	18.37	18.37	18.40			
		1715.0	18.52	18.55	18.55			
	25RB_0	1775.0	18.45	18.45	18.35			
		1745.0	18.39	18.39	18.28			
		1715.0	18.49	18.47	18.54			
	50RB_0	1775.0	18.36	18.34	18.34			
		1745.0	18.39	18.39	18.33			
		1715.0	18.42	18.46	18.49			



Ant.1 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	18.30	18.57	18.33	19.5	19.5	19.5
		1745.0	18.24	18.59	18.42			
		1717.5	18.41	18.53	18.42			
	1RB_37	1772.5	18.47	18.66	18.48			
		1745.0	18.39	18.64	18.63			
		1717.5	18.58	18.63	18.52			
	1RB_0	1772.5	18.39	18.65	18.46			
		1745.0	18.44	18.68	18.59			
		1717.5	18.55	18.63	18.64			
	36RB_38	1772.5	18.30	18.37	18.36	19.5	19.5	19.5
		1745.0	18.34	18.42	18.39			
		1717.5	18.43	18.41	18.38			
	36RB_19	1772.5	18.35	18.37	18.37			
		1745.0	18.44	18.43	18.43			
		1717.5	18.41	18.47	18.40			
	36RB_0	1772.5	18.35	18.31	18.35			
		1745.0	18.34	18.40	18.32			
		1717.5	18.49	18.52	18.46			
	75RB_0	1772.5	18.37	18.31	18.25			
		1745.0	18.36	18.37	18.28			
		1717.5	18.50	18.43	18.42			



Ant.1 – Power Level C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	18.33	18.57	18.35	19.5	19.5	19.5
		1745.0	18.41	18.43	18.20			
		1720.0	18.32	18.72	18.39			
	1RB_50	1770.0	18.41	18.74	18.51			
		1745.0	18.44	18.48	18.50			
		1720.0	18.57	18.72	18.47			
	1RB_0	1770.0	18.32	18.69	18.55			
		1745.0	18.41	18.45	18.39			
		1720.0	18.51	18.72	18.51			
	50RB_50	1770.0	18.29	18.31	18.22	19.5	19.5	19.5
		1745.0	18.28	18.27	18.32			
		1720.0	18.31	18.30	18.36			
	50RB_25	1770.0	18.45	18.42	18.37			
		1745.0	18.44	18.43	18.35			
		1720.0	18.54	18.49	18.42			
	50RB_0	1770.0	18.40	18.32	18.32			
		1745.0	18.33	18.21	18.26			
		1720.0	18.55	18.56	18.59			
	100RB_0	1770.0	18.24	18.33	18.34			
		1745.0	18.21	18.25	18.24			
		1720.0	18.47	18.40	18.41			



Ant.1 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	17.96	18.03	17.90	19.0	19.0	19.0
		1745.0	17.91	18.12	18.04			
		1710.7	18.04	18.11	18.06			
	1RB_3	1779.3	18.02	18.18	18.07			
		1745.0	17.93	18.18	17.97			
		1710.7	18.03	18.19	18.13			
	1RB_0	1779.3	17.90	18.16	18.00			
		1745.0	17.85	18.13	17.88			
		1710.7	18.04	18.22	18.12			
	3RB_3	1779.3	17.98	17.87	17.91			
		1745.0	17.89	17.94	18.02			
		1710.7	18.06	18.02	18.07			
	3RB_1	1779.3	17.98	17.93	17.93			
		1745.0	17.87	17.89	18.01			
		1710.7	17.98	18.10	18.04			
	3RB_0	1779.3	17.94	18.00	18.01			
		1745.0	17.86	17.92	17.96			
		1710.7	17.99	17.95	18.14			
	6RB_0	1779.3	17.90	17.93	17.83			
		1745.0	17.92	17.97	17.76			
		1710.7	17.98	18.01	18.00			



Ant.1 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	17.80	18.15	18.06	19.0	19.0	19.0
		1745.0	17.86	18.12	18.00			
		1711.5	18.02	18.30	18.12			
	1RB_7	1778.5	17.94	18.18	18.04			
		1745.0	17.98	18.19	18.09			
		1711.5	17.99	18.23	18.15			
	1RB_0	1778.5	17.87	18.06	17.87			
		1745.0	17.87	18.13	18.01			
		1711.5	17.99	18.17	18.19			
	8RB_7	1778.5	17.88	17.91	17.86	19.0	19.0	19.0
		1745.0	17.89	17.91	17.92			
		1711.5	17.99	18.04	18.07			
	8RB_4	1778.5	17.88	17.92	17.83			
		1745.0	17.81	17.92	17.86			
		1711.5	18.00	18.04	18.07			
	8RB_0	1778.5	17.93	17.98	17.88			
		1745.0	17.89	17.93	17.91			
		1711.5	18.01	18.11	17.93			
	15RB_0	1778.5	17.92	17.91	17.89			
		1745.0	17.86	17.91	17.81			
		1711.5	18.00	18.02	18.03			



Ant.1 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	17.89	17.99	18.03	19.0	19.0	19.0
		1745.0	17.94	18.17	18.03			
		1712.5	17.99	18.09	18.05			
	1RB_12	1777.5	17.99	18.13	18.07			
		1745.0	18.06	18.17	18.14			
		1712.5	18.07	18.21	18.12			
	1RB_0	1777.5	17.92	18.06	18.07			
		1745.0	17.99	18.19	18.03			
		1712.5	18.13	18.20	18.00			
	12RB_13	1777.5	17.81	17.77	17.73	19.0	19.0	19.0
		1745.0	17.88	17.81	17.87			
		1712.5	17.93	17.94	18.01			
	12RB_6	1777.5	17.96	17.84	17.95			
		1745.0	17.83	17.87	17.91			
		1712.5	18.02	17.98	17.97			
	12RB_0	1777.5	18.00	18.00	18.01			
		1745.0	17.85	17.86	17.84			
		1712.5	18.01	18.02	18.00			
	25RB_0	1777.5	17.94	17.93	17.92			
		1745.0	17.93	17.86	17.86			
		1712.5	18.09	17.99	18.04			



Ant.1 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	17.85	18.10	17.90	19.0	19.0	19.0
		1745.0	17.90	18.12	17.90			
		1715.0	18.09	18.22	18.12			
	1RB_24	1775.0	17.95	18.11	17.90			
		1745.0	18.00	18.18	18.00			
		1715.0	18.14	18.26	18.09			
	1RB_0	1775.0	17.88	18.20	18.00			
		1745.0	18.03	18.23	18.13			
		1715.0	18.13	18.20	18.07			
	25RB_25	1775.0	17.73	17.81	17.68	19.0	19.0	19.0
		1745.0	17.87	17.96	17.87			
		1715.0	17.93	17.92	17.93			
	25RB_12	1775.0	17.92	17.92	17.84			
		1745.0	17.91	17.87	17.85			
		1715.0	18.01	18.09	18.04			
	25RB_0	1775.0	17.89	17.94	17.87			
		1745.0	17.86	17.86	17.87			
		1715.0	18.00	18.06	17.99			
	50RB_0	1775.0	17.80	17.88	17.84			
		1745.0	17.95	17.92	17.89			
		1715.0	17.98	17.98	17.99			



Ant.1 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	17.85	18.04	17.82	19.0	19.0	19.0
		1745.0	17.76	18.00	17.91			
		1717.5	17.87	18.04	17.87			
	1RB_37	1772.5	17.95	18.25	17.90			
		1745.0	17.94	18.07	18.17			
		1717.5	18.02	18.15	18.07			
	1RB_0	1772.5	17.82	18.17	17.96			
		1745.0	17.94	18.15	18.05			
		1717.5	18.02	18.11	18.06			
	36RB_38	1772.5	17.79	17.84	17.79	19.0	19.0	19.0
		1745.0	17.86	17.83	17.90			
		1717.5	17.93	17.85	17.93			
	36RB_19	1772.5	17.89	17.94	17.88			
		1745.0	17.92	17.89	17.93			
		1717.5	17.90	17.95	17.97			
	36RB_0	1772.5	17.90	17.83	17.82			
		1745.0	17.83	17.88	17.90			
		1717.5	17.98	18.03	17.91			
	75RB_0	1772.5	17.86	17.82	17.75			
		1745.0	17.85	17.83	17.82			
		1717.5	18.00	17.90	17.90			



Ant.1 – Power Level D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	17.77	18.06	17.86	19.0	19.0	19.0
		1745.0	17.89	17.91	17.72			
		1720.0	17.84	18.22	17.90			
	1RB_50	1770.0	17.95	18.26	18.08			
		1745.0	17.97	18.06	18.02			
		1720.0	18.10	18.22	18.07			
	1RB_0	1770.0	17.88	18.19	18.04			
		1745.0	17.85	17.95	17.85			
		1720.0	18.02	18.19	18.04			
	50RB_50	1770.0	17.77	17.77	17.73	19.0	19.0	19.0
		1745.0	17.74	17.78	17.72			
		1720.0	17.85	17.88	17.87			
	50RB_25	1770.0	17.99	17.93	17.89			
		1745.0	17.97	17.94	17.89			
		1720.0	18.01	17.99	17.91			
	50RB_0	1770.0	17.82	17.85	17.76			
		1745.0	17.82	17.72	17.70			
		1720.0	18.08	18.06	18.02			
	100RB_0	1770.0	17.75	17.76	17.77			
		1745.0	17.78	17.77	17.79			
		1720.0	17.91	17.96	17.94			



LTE Band 66 Ant.3

Ant.3 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	21.61	20.65	19.57	23.0	22.0	21.0
		1745.0	21.77	20.75	19.85			
		1710.7	21.86	20.82	19.83			
	1RB_3	1779.3	21.73	20.79	19.75			
		1745.0	21.89	20.92	19.89			
		1710.7	22.00	20.97	19.99			
	1RB_0	1779.3	21.71	20.60	19.56			
		1745.0	21.81	20.75	19.76			
		1710.7	21.94	20.88	19.97			
	3RB_3	1779.3	21.62	20.60	19.62			
		1745.0	21.79	20.74	19.68			
		1710.7	21.89	20.80	19.86			
	3RB_1	1779.3	21.71	20.79	19.77			
		1745.0	21.93	20.82	19.92			
		1710.7	22.01	20.91	19.98			
	3RB_0	1779.3	21.66	20.70	19.75			
		1745.0	21.83	20.76	19.76			
		1710.7	21.97	20.98	20.00			
	6RB_0	1779.3	20.77	19.75	18.73	22.0	21.0	20.0
		1745.0	20.76	19.77	18.74			
		1710.7	20.86	19.96	18.91			



Ant.3 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	21.62	20.60	19.65	23.0	22.0	21.0
		1745.0	21.77	20.73	19.62			
		1711.5	21.86	20.90	19.88			
	1RB_7	1778.5	21.76	20.71	19.72			
		1745.0	21.88	20.85	19.95			
		1711.5	22.05	21.01	20.06			
	1RB_0	1778.5	21.69	20.64	19.66			
		1745.0	21.79	20.83	19.78			
		1711.5	21.91	20.88	19.99			
	8RB_7	1778.5	20.73	19.72	18.73	22.0	21.0	20.0
		1745.0	20.85	19.85	18.87			
		1711.5	20.88	19.96	18.86			
	8RB_4	1778.5	20.82	19.76	18.76			
		1745.0	20.94	19.87	18.86			
		1711.5	20.98	19.96	18.94			
	8RB_0	1778.5	20.78	19.81	18.88			
		1745.0	20.81	19.78	18.78			
		1711.5	20.83	19.78	18.78			
	15RB_0	1778.5	20.82	19.77	18.78			
		1745.0	20.76	19.77	18.84			
		1711.5	20.91	19.88	18.95			



Ant.3 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	21.61	20.59	19.55	23.0	22.0	21.0
		1745.0	21.72	20.79	19.77			
		1712.5	21.82	20.84	19.93			
	1RB_12	1777.5	21.79	20.74	19.74			
		1745.0	21.92	20.93	19.88			
		1712.5	21.97	21.03	20.03			
	1RB_0	1777.5	21.69	20.59	19.61			
		1745.0	21.83	20.82	19.83			
		1712.5	21.96	20.91	19.88			
	12RB_13	1777.5	20.69	19.78	18.80	22.0	21.0	20.0
		1745.0	20.83	19.77	18.76			
		1712.5	20.91	19.90	18.89			
	12RB_6	1777.5	20.82	19.83	18.78			
		1745.0	20.93	19.90	18.82			
		1712.5	20.98	19.93	18.92			
	12RB_0	1777.5	20.78	19.85	18.82			
		1745.0	20.82	19.79	18.86			
		1712.5	20.89	19.83	18.82			
	25RB_0	1777.5	20.74	19.82	18.79			
		1745.0	20.79	19.76	18.75			
		1712.5	20.87	19.80	18.87			



Ant.3 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	21.62	20.62	19.63	23.0	22.0	21.0
		1745.0	21.78	20.71	19.67			
		1715.0	21.82	20.81	19.81			
	1RB_24	1775.0	21.76	20.71	19.74			
		1745.0	21.84	20.85	19.89			
		1715.0	22.01	20.92	19.98			
	1RB_0	1775.0	21.63	20.68	19.70			
		1745.0	21.80	20.78	19.82			
		1715.0	21.90	20.91	19.91			
	25RB_25	1775.0	20.75	19.76	18.72	22.0	21.0	20.0
		1745.0	20.83	19.79	18.82			
		1715.0	20.92	19.90	18.81			
	25RB_12	1775.0	20.83	19.74	18.73			
		1745.0	20.95	19.91	18.94			
		1715.0	20.94	19.93	18.91			
	25RB_0	1775.0	20.83	19.79	18.85			
		1745.0	20.88	19.79	18.82			
		1715.0	20.87	19.86	18.94			
	50RB_0	1775.0	20.82	19.82	18.75			
		1745.0	20.80	19.75	18.67			
		1715.0	20.83	19.84	18.81			



Ant.3 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	21.65	20.68	19.57	23.0	22.0	21.0
		1745.0	21.70	20.73	19.79			
		1717.5	21.83	20.90	19.83			
	1RB_37	1772.5	21.73	20.75	19.78			
		1745.0	21.84	20.88	19.93			
		1717.5	22.03	21.01	20.03			
	1RB_0	1772.5	21.67	20.67	19.63			
		1745.0	21.81	20.79	19.73			
		1717.5	21.96	20.89	19.87			
	36RB_38	1772.5	20.74	19.68	18.65	22.0	21.0	20.0
		1745.0	20.80	19.90	18.85			
		1717.5	20.89	19.89	18.98			
	36RB_19	1772.5	20.80	19.76	18.84			
		1745.0	20.86	19.91	18.86			
		1717.5	20.90	19.98	18.97			
	36RB_0	1772.5	20.80	19.87	18.86			
		1745.0	20.89	19.88	18.89			
		1717.5	20.83	19.84	18.85			
	75RB_0	1772.5	20.77	19.76	18.78			
		1745.0	20.76	19.76	18.74			
		1717.5	20.87	19.87	18.90			



Ant.3 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	21.62	20.58	19.62	23.0	22.0	21.0
		1745.0	21.74	20.71	19.70			
		1720.0	21.85	20.86	19.91			
	1RB_50	1770.0	21.75	20.73	19.77			
		1745.0	21.88	20.84	19.79			
		1720.0	22.01	21.04	20.05			
	1RB_0	1770.0	21.68	20.68	19.69			
		1745.0	21.82	20.83	19.81			
		1720.0	21.93	20.95	19.97			
	50RB_50	1770.0	20.72	19.72	18.74	22.0	21.0	20.0
		1745.0	20.82	19.87	18.89			
		1720.0	20.89	19.86	18.82			
	50RB_25	1770.0	20.79	19.82	18.80			
		1745.0	20.90	19.91	18.90			
		1720.0	20.94	19.98	19.00			
	50RB_0	1770.0	20.82	19.78	18.79			
		1745.0	20.85	19.85	18.82			
		1720.0	20.85	19.87	18.84			
	100RB_0	1770.0	20.78	19.76	18.73			
		1745.0	20.78	19.74	18.72			
		1720.0	20.88	19.88	18.89			



LTE Band 66 Ant.4

Ant.4 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	22.81	21.87	20.79	24.0	23.0	22.0
		1745.0	22.93	22.01	20.91			
		1710.7	23.04	22.01	21.03			
	1RB_3	1779.3	23.00	22.08	21.09			
		1745.0	23.09	21.96	21.00			
		1710.7	23.17	22.05	21.14			
	1RB_0	1779.3	22.92	21.97	20.95			
		1745.0	22.89	21.85	20.96			
		1710.7	22.99	22.07	21.06			
	3RB_3	1779.3	22.88	21.87	20.94			
		1745.0	22.96	22.01	21.06			
		1710.7	23.01	21.98	20.94			
	3RB_1	1779.3	22.98	22.06	21.03			
		1745.0	23.05	22.06	20.99			
		1710.7	23.11	22.08	21.01			
	3RB_0	1779.3	22.94	21.95	20.99			
		1745.0	22.92	21.98	20.99			
		1710.7	23.06	22.08	21.14			
	6RB_0	1779.3	21.78	20.86	19.81	23.0	22.0	21.0
		1745.0	21.89	21.00	19.90			
		1710.7	22.09	21.14	20.16			



Ant.4 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	22.83	21.84	20.92	24.0	23.0	22.0
		1745.0	22.96	21.95	20.94			
		1711.5	23.03	21.98	20.98			
	1RB_7	1778.5	23.07	22.04	21.04			
		1745.0	23.07	21.96	20.99			
		1711.5	23.17	22.06	21.11			
	1RB_0	1778.5	22.93	21.90	20.85			
		1745.0	22.87	21.93	20.86			
		1711.5	23.02	22.05	21.03			
	8RB_7	1778.5	21.69	20.78	19.70	23.0	22.0	21.0
		1745.0	21.90	20.89	19.85			
		1711.5	22.01	21.05	20.00			
	8RB_4	1778.5	21.95	20.99	19.93			
		1745.0	22.01	21.03	19.96			
		1711.5	22.05	21.01	19.99			
	8RB_0	1778.5	21.92	20.85	19.85			
		1745.0	22.01	21.06	20.02			
		1711.5	22.17	21.20	20.20			
	15RB_0	1778.5	21.82	20.79	19.84			
		1745.0	21.94	20.91	19.89			
		1711.5	22.02	20.99	20.07			



Ant.4 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	22.81	21.84	20.81	24.0	23.0	22.0
		1745.0	22.98	21.89	20.92			
		1712.5	22.99	21.98	21.05			
	1RB_12	1777.5	22.99	21.97	20.94			
		1745.0	23.02	21.95	20.99			
		1712.5	23.09	22.11	21.13			
	1RB_0	1777.5	22.96	22.03	20.99			
		1745.0	22.87	21.98	20.88			
		1712.5	23.03	22.04	21.14			
	12RB_13	1777.5	21.74	20.67	19.67	23.0	22.0	21.0
		1745.0	21.92	20.94	19.88			
		1712.5	22.03	21.00	20.07			
	12RB_6	1777.5	21.95	20.92	19.88			
		1745.0	21.97	20.93	19.99			
		1712.5	22.06	21.05	20.04			
	12RB_0	1777.5	21.83	20.89	19.91			
		1745.0	21.99	21.01	20.05			
		1712.5	22.19	21.15	20.19			
	25RB_0	1777.5	21.82	20.72	19.80			
		1745.0	21.94	20.89	19.88			
		1712.5	22.11	21.07	20.09			



Ant.4 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	22.87	21.88	20.89	24.0	23.0	22.0
		1745.0	22.96	22.04	21.08			
		1715.0	23.06	21.99	21.00			
	1RB_24	1775.0	23.02	22.06	20.99			
		1745.0	23.06	22.14	21.01			
		1715.0	23.16	22.10	21.02			
	1RB_0	1775.0	23.01	22.01	20.93			
		1745.0	22.94	21.92	20.95			
		1715.0	23.05	22.04	21.10			
	25RB_25	1775.0	21.73	20.75	19.63	23.0	22.0	21.0
		1745.0	21.84	20.96	19.89			
		1715.0	22.10	21.09	20.07			
	25RB_12	1775.0	21.94	20.93	19.98			
		1745.0	22.00	20.95	19.92			
		1715.0	22.12	21.10	20.05			
	25RB_0	1775.0	21.88	20.91	19.93			
		1745.0	21.97	21.03	20.00			
		1715.0	22.14	21.15	20.09			
	50RB_0	1775.0	21.84	20.89	19.85			
		1745.0	21.94	20.97	20.00			
		1715.0	22.09	21.08	20.06			



Ant.4 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	22.89	21.81	20.88	24.0	23.0	22.0
		1745.0	22.93	21.97	20.97			
		1717.5	23.00	22.00	21.04			
	1RB_37	1772.5	23.06	22.03	21.10			
		1745.0	23.05	22.09	21.03			
		1717.5	23.10	22.07	21.06			
	1RB_0	1772.5	22.95	22.03	20.96			
		1745.0	22.89	21.89	20.88			
		1717.5	23.04	22.02	21.07			
	36RB_38	1772.5	21.78	20.71	19.76	23.0	22.0	21.0
		1745.0	21.91	20.85	19.96			
		1717.5	22.08	21.06	20.14			
	36RB_19	1772.5	21.93	20.93	19.97			
		1745.0	22.02	21.06	20.01			
		1717.5	22.08	21.13	20.03			
	36RB_0	1772.5	21.85	20.90	19.88			
		1745.0	22.01	21.04	19.98			
		1717.5	22.20	21.18	20.21			
	75RB_0	1772.5	21.85	20.77	19.83			
		1745.0	21.97	20.96	20.01			
		1717.5	22.09	21.06	20.06			



Ant.4 – Power Level A2/B2/C2/D2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	22.85	21.87	20.89	24.0	23.0	22.0
		1745.0	22.96	21.98	20.94			
		1720.0	23.02	22.07	21.11			
	1RB_50	1770.0	23.02	21.99	20.95			
		1745.0	23.04	22.08	21.10			
		1720.0	23.12	22.14	21.18			
	1RB_0	1770.0	22.97	22.01	20.97			
		1745.0	22.92	21.87	20.84			
		1720.0	23.03	21.98	20.97			
	50RB_50	1770.0	21.74	20.70	19.71	23.0	22.0	21.0
		1745.0	21.88	20.90	19.90			
		1720.0	22.05	21.01	20.01			
	50RB_25	1770.0	21.95	20.93	19.90			
		1745.0	22.01	20.99	20.01			
		1720.0	22.08	21.09	20.07			
	50RB_0	1770.0	21.87	20.88	19.87			
		1745.0	22.00	21.04	20.00			
		1720.0	22.16	21.12	20.10			
	100RB_0	1770.0	21.80	20.77	19.80			
		1745.0	21.93	20.89	19.91			
		1720.0	22.07	21.03	20.03			

10.4. NR Measurement result

Maximum power reduction (MPR) for power class 3

Modulation	MPR (dB)		
	Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM PI/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
	0.5^2	0.5^2	0^2
DFT-s-OFDM QPSK	≤ 1		0
DFT-s-OFDM 16 QAM	≤ 2		≤ 1
DFT-s-OFDM 64 QAM	≤ 2.5		
DFT-s-OFDM 256 QAM	4.5		
CP-OFDM QPSK	≤ 3		≤ 1.5
CP-OFDM 16 QAM	≤ 3		≤ 2
CP-OFDM 64 QAM	≤ 3.5		
CP-OFDM 256 QAM	≤ 6.5		

NOTE 1: Applicable for UE operating in TDD mode with PI/2 BPSK modulation and UE indicates support for UE capability [powerBoosting-pi2BPSK] and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n38 and n41. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n38 and n41 and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n38 and n41.



n5 Ant.0

Ant.0 NR n5 Power Level A1/B1/C1/D1/A2/B2/C2/D2 Tune up: 24.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	846.5	169300	23.17
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	23.24
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	23.18
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839	167800	23.12
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	23.15
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834	166800	23.10
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	836.5	167300	23.31
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	836.5	167300	22.13
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	836.5	167300	20.58
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	836.5	167300	18.73
15	5	CP-OFDM QPSK	Inner_Full	13@6	836.5	167300	21.54
15	5	CP-OFDM 16QAM	Inner_Full	13@6	836.5	167300	21.14
15	5	CP-OFDM 64QAM	Inner_Full	13@6	836.5	167300	19.71
15	5	CP-OFDM 256QAM	Inner_Full	13@6	836.5	167300	16.64
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	836.5	167300	22.59
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	836.5	167300	22.70
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	836.5	167300	23.17
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	836.5	167300	22.72
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	836.5	167300	22.68
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	836.5	167300	23.24
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	836.5	167300	23.27

n5 Ant.1

Ant.1 NR n5 Power Level A1 Tune up: 23.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	846.5	169300	22.10
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	22.21
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	22.15
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839	167800	22.03
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	22.06
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834	166800	22.03
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	836.5	167300	22.23
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	836.5	167300	22.07
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	836.5	167300	20.54
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	836.5	167300	18.67
15	5	CP-OFDM QPSK	Inner_Full	13@6	836.5	167300	21.52
15	5	CP-OFDM 16QAM	Inner_Full	13@6	836.5	167300	21.08
15	5	CP-OFDM 64QAM	Inner_Full	13@6	836.5	167300	19.66
15	5	CP-OFDM 256QAM	Inner_Full	13@6	836.5	167300	16.59
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	836.5	167300	22.03
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	836.5	167300	22.13
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	836.5	167300	22.10
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	836.5	167300	22.19
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	836.5	167300	22.11
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	836.5	167300	22.22
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	836.5	167300	22.21



Ant.1 NR n5 Power Level B1 Tune up: 22.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	846.5	169300	21.60
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	21.69
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	21.63
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839	167800	21.52
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	21.57
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834	166800	21.55
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	836.5	167300	21.70
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	836.5	167300	21.57
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	836.5	167300	20.53
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	836.5	167300	18.67
15	5	CP-OFDM QPSK	Inner_Full	13@6	836.5	167300	21.50
15	5	CP-OFDM 16QAM	Inner_Full	13@6	836.5	167300	21.08
15	5	CP-OFDM 64QAM	Inner_Full	13@6	836.5	167300	19.66
15	5	CP-OFDM 256QAM	Inner_Full	13@6	836.5	167300	16.60
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	836.5	167300	21.51
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	836.5	167300	21.64
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	836.5	167300	21.55
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	836.5	167300	21.62
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	836.5	167300	21.59
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	836.5	167300	21.67
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	836.5	167300	21.64

Ant.1 NR n5 Power Level C1/D1/C2/D2 Tune up: 24.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	846.5	169300	23.11
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	23.19
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	23.15
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839	167800	23.03
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	23.06
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834	166800	23.05
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	836.5	167300	23.27
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	836.5	167300	22.06
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	836.5	167300	20.53
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	836.5	167300	18.69
15	5	CP-OFDM QPSK	Inner_Full	13@6	836.5	167300	21.50
15	5	CP-OFDM 16QAM	Inner_Full	13@6	836.5	167300	21.08
15	5	CP-OFDM 64QAM	Inner_Full	13@6	836.5	167300	19.66
15	5	CP-OFDM 256QAM	Inner_Full	13@6	836.5	167300	16.59
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	836.5	167300	22.57
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	836.5	167300	22.63
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	836.5	167300	23.15
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	836.5	167300	23.17
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	836.5	167300	22.63
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	836.5	167300	23.25
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	836.5	167300	23.21



Ant.1 NR n5 Power Level A2 Tune up: 21.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	846.5	169300	20.60
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	20.67
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	20.63
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839	167800	20.52
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	20.54
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834	166800	20.54
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	836.5	167300	20.78
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	836.5	167300	20.54
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	836.5	167300	20.52
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	836.5	167300	18.68
15	5	CP-OFDM QPSK	Inner_Full	13@6	836.5	167300	20.47
15	5	CP-OFDM 16QAM	Inner_Full	13@6	836.5	167300	20.59
15	5	CP-OFDM 64QAM	Inner_Full	13@6	836.5	167300	19.66
15	5	CP-OFDM 256QAM	Inner_Full	13@6	836.5	167300	16.57
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	836.5	167300	20.54
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	836.5	167300	20.59
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	836.5	167300	20.63
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	836.5	167300	20.65
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	836.5	167300	20.74
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	836.5	167300	20.76
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	836.5	167300	20.70

Ant.1 NR n5 Power Level B2 Tune up: 17.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	846.5	169300	16.61
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	16.70
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	16.64
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839	167800	16.54
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	16.54
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834	166800	16.55
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	836.5	167300	16.81
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	836.5	167300	16.65
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	836.5	167300	16.60
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	836.5	167300	16.62
15	5	CP-OFDM QPSK	Inner_Full	13@6	836.5	167300	16.58
15	5	CP-OFDM 16QAM	Inner_Full	13@6	836.5	167300	16.66
15	5	CP-OFDM 64QAM	Inner_Full	13@6	836.5	167300	16.61
15	5	CP-OFDM 256QAM	Inner_Full	13@6	836.5	167300	16.58
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	836.5	167300	16.63
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	836.5	167300	16.72
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	836.5	167300	16.74
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	836.5	167300	16.73
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	836.5	167300	16.67
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	836.5	167300	16.77
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	836.5	167300	16.72



n7 Ant.0

Ant.0 NR n7 Power Level A1/B1/C1/D1/A2 Tune up: 23.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	22.78
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	22.72
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	22.82
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2545	509000	22.68
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2535	507000	22.63
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2525	505000	22.67
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	2502.5	500500	22.85
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2502.5	500500	22.38
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2502.5	500500	20.86
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2502.5	500500	18.89
15	5	CP-OFDM QPSK	Inner_Full	13@6	2502.5	500500	21.87
15	5	CP-OFDM 16QAM	Inner_Full	13@6	2502.5	500500	21.39
15	5	CP-OFDM 64QAM	Inner_Full	13@6	2502.5	500500	19.82
15	5	CP-OFDM 256QAM	Inner_Full	13@6	2502.5	500500	16.91
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full Right	2@23	2502.5	500500	22.71
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full Left	2@0	2502.5	500500	22.75
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB Right	1@23	2502.5	500500	22.65
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB Left	1@1	2502.5	500500	22.74
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	2502.5	500500	22.76
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2505	501000	22.77
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2507.5	501500	22.79
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2510	502000	22.82
15	25	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2512.5	502500	22.75
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	2515	503000	22.73
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2520	504000	22.72

Ant.0 NR n7 Power Level B2 Tune up: 21.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	20.30
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	20.18
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	20.36
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2545	509000	20.22
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2535	507000	20.13
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2525	505000	20.19
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	2502.5	500500	20.47
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2502.5	500500	20.35
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2502.5	500500	20.36
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2502.5	500500	18.91
15	5	CP-OFDM QPSK	Inner_Full	13@6	2502.5	500500	20.35
15	5	CP-OFDM 16QAM	Inner_Full	13@6	2502.5	500500	20.45
15	5	CP-OFDM 64QAM	Inner_Full	13@6	2502.5	500500	19.86
15	5	CP-OFDM 256QAM	Inner_Full	13@6	2502.5	500500	16.77
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full Right	2@23	2502.5	500500	20.34
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full Left	2@0	2502.5	500500	20.39
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB Right	1@23	2502.5	500500	20.37
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB Left	1@1	2502.5	500500	20.39
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	2502.5	500500	20.40
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2505	501000	20.38
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2507.5	501500	20.35
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2510	502000	20.34
15	25	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2512.5	502500	20.27
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	2515	503000	20.21
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2520	504000	20.23



Ant.0 NR n7 Power Level C2 Tune up: 23.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner Full	12@6	2567.5	513500	22.27
15	5	DFT-s-OFDM QPSK	Inner Full	12@6	2535	507000	22.24
15	5	DFT-s-OFDM QPSK	Inner Full	12@6	2502.5	500500	22.32
15	50	DFT-s-OFDM QPSK	Inner Full	135@67	2545	509000	22.23
15	50	DFT-s-OFDM QPSK	Inner Full	135@67	2535	507000	22.11
15	50	DFT-s-OFDM QPSK	Inner Full	135@67	2525	505000	22.21
15	5	DFT-s-OFDM PI/2 BPSK	Inner Full	12@6	2502.5	500500	22.44
15	5	DFT-s-OFDM 16QAM	Inner Full	12@6	2502.5	500500	22.37
15	5	DFT-s-OFDM 64QAM	Inner Full	12@6	2502.5	500500	20.86
15	5	DFT-s-OFDM 256QAM	Inner Full	12@6	2502.5	500500	18.89
15	5	CP-OFDM QPSK	Inner Full	13@6	2502.5	500500	21.86
15	5	CP-OFDM 16QAM	Inner Full	13@6	2502.5	500500	21.47
15	5	CP-OFDM 64QAM	Inner Full	13@6	2502.5	500500	19.85
15	5	CP-OFDM 256QAM	Inner Full	13@6	2502.5	500500	16.77
15	5	DFT-s-OFDM PI/2 BPSK	Edge Full Right	2@23	2502.5	500500	22.34
15	5	DFT-s-OFDM PI/2 BPSK	Edge Full Left	2@0	2502.5	500500	22.41
15	5	DFT-s-OFDM PI/2 BPSK	Inner 1RB Right	1@23	2502.5	500500	22.39
15	5	DFT-s-OFDM PI/2 BPSK	Inner 1RB Left	1@1	2502.5	500500	22.42
15	5	DFT-s-OFDM PI/2 BPSK	Outer Full	25@0	2502.5	500500	22.41
15	10	DFT-s-OFDM PI/2 BPSK	Inner Full	25@12	2505	501000	22.34
15	15	DFT-s-OFDM PI/2 BPSK	Inner Full	36@18	2507.5	501500	22.33
15	20	DFT-s-OFDM PI/2 BPSK	Inner Full	50@25	2510	502000	22.42
15	25	DFT-s-OFDM PI/2 BPSK	Inner Full	64@32	2512.5	502500	22.32
15	30	DFT-s-OFDM PI/2 BPSK	Inner Full	80@40	2515	503000	22.31
15	40	DFT-s-OFDM PI/2 BPSK	Inner Full	108@54	2520	504000	22.30

Ant.0 NR n7 Power Level B2 Tune up: 19.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner Full	12@6	2567.5	513500	18.27
15	5	DFT-s-OFDM QPSK	Inner Full	12@6	2535	507000	18.22
15	5	DFT-s-OFDM QPSK	Inner Full	12@6	2502.5	500500	18.32
15	50	DFT-s-OFDM QPSK	Inner Full	135@67	2545	509000	18.19
15	50	DFT-s-OFDM QPSK	Inner Full	135@67	2535	507000	18.15
15	50	DFT-s-OFDM QPSK	Inner Full	135@67	2525	505000	18.17
15	5	DFT-s-OFDM PI/2 BPSK	Inner Full	12@6	2502.5	500500	18.45
15	5	DFT-s-OFDM 16QAM	Inner Full	12@6	2502.5	500500	18.31
15	5	DFT-s-OFDM 64QAM	Inner Full	12@6	2502.5	500500	18.29
15	5	DFT-s-OFDM 256QAM	Inner Full	12@6	2502.5	500500	18.32
15	5	CP-OFDM QPSK	Inner Full	13@6	2502.5	500500	18.30
15	5	CP-OFDM 16QAM	Inner Full	13@6	2502.5	500500	18.39
15	5	CP-OFDM 64QAM	Inner Full	13@6	2502.5	500500	18.35
15	5	CP-OFDM 256QAM	Inner Full	13@6	2502.5	500500	16.76
15	5	DFT-s-OFDM PI/2 BPSK	Edge Full Right	2@23	2502.5	500500	18.32
15	5	DFT-s-OFDM PI/2 BPSK	Edge Full Left	2@0	2502.5	500500	18.35
15	5	DFT-s-OFDM PI/2 BPSK	Inner 1RB Right	1@23	2502.5	500500	18.35
15	5	DFT-s-OFDM PI/2 BPSK	Inner 1RB Left	1@1	2502.5	500500	18.37
15	5	DFT-s-OFDM PI/2 BPSK	Outer Full	25@0	2502.5	500500	18.34
15	10	DFT-s-OFDM PI/2 BPSK	Inner Full	25@12	2505	501000	18.38
15	15	DFT-s-OFDM PI/2 BPSK	Inner Full	36@18	2507.5	501500	18.39
15	20	DFT-s-OFDM PI/2 BPSK	Inner Full	50@25	2510	502000	18.33
15	25	DFT-s-OFDM PI/2 BPSK	Inner Full	64@32	2512.5	502500	18.24
15	30	DFT-s-OFDM PI/2 BPSK	Inner Full	80@40	2515	503000	18.23
15	40	DFT-s-OFDM PI/2 BPSK	Inner Full	108@54	2520	504000	18.20



n7 Ant.1

Ant.1 NR n7 Power Level A1/B1 Tune up: 16.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	15.50
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	15.49
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	15.47
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2545	509000	15.36
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2535	507000	15.41
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2525	505000	15.37
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	2567.5	513500	15.57
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2567.5	513500	15.53
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2567.5	513500	15.53
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2567.5	513500	15.50
15	5	CP-OFDM QPSK	Inner_Full	13@6	2567.5	513500	15.52
15	5	CP-OFDM 16QAM	Inner_Full	13@6	2567.5	513500	15.55
15	5	CP-OFDM 64QAM	Inner_Full	13@6	2567.5	513500	15.52
15	5	CP-OFDM 256QAM	Inner_Full	13@6	2567.5	513500	15.41
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	2567.5	513500	15.51
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2567.5	513500	15.47
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	2567.5	513500	15.49
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2567.5	513500	15.45
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	2567.5	513500	15.56
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2565	513000	15.50
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2562.5	512500	15.54
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2560	512000	15.49
15	25	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2557.5	511500	15.50
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	2555	511000	15.48
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2550	510000	15.45

Ant.1 NR n7 Power Level C1/D1 Tune up: 19.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	19.02
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	18.96
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	18.95
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2545	509000	18.88
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2535	507000	18.90
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2525	505000	18.89
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	2567.5	513500	19.09
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2567.5	513500	19.01
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2567.5	513500	19.03
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2567.5	513500	19.04
15	5	CP-OFDM QPSK	Inner_Full	13@6	2567.5	513500	19.01
15	5	CP-OFDM 16QAM	Inner_Full	13@6	2567.5	513500	19.04
15	5	CP-OFDM 64QAM	Inner_Full	13@6	2567.5	513500	19.03
15	5	CP-OFDM 256QAM	Inner_Full	13@6	2567.5	513500	16.92
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	2567.5	513500	19.02
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2567.5	513500	18.98
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	2567.5	513500	18.99
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2567.5	513500	18.95
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	2567.5	513500	19.07
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2565	513000	19.03
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2562.5	512500	19.05
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2560	512000	19.01
15	25	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2557.5	511500	19.02
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	2555	511000	19.00
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2550	510000	18.97



n7 Ant.4

Ant.4 NR n7 Power Level A2/B2 Tune up: 19.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	18.64
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	18.57
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	18.49
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2545	509000	18.62
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2535	507000	18.55
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2525	505000	18.43
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	2567.5	513500	18.75
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2567.5	513500	18.69
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2567.5	513500	18.69
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2567.5	513500	17.19
15	5	CP-OFDM QPSK	Inner_Full	13@6	2567.5	513500	18.65
15	5	CP-OFDM 16QAM	Inner_Full	13@6	2567.5	513500	18.70
15	5	CP-OFDM 64QAM	Inner_Full	13@6	2567.5	513500	18.13
15	5	CP-OFDM 256QAM	Inner_Full	13@6	2567.5	513500	15.06
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	2567.5	513500	18.68
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2567.5	513500	18.59
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	2567.5	513500	18.67
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2567.5	513500	18.58
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	2567.5	513500	18.60
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2565	513000	18.72
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2562.5	512500	18.66
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2560	512000	18.68
15	25	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2557.5	511500	18.71
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	2555	511000	18.73
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2550	510000	18.66

Ant.4 NR n7 Power Level C2 Tune up: 21.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	20.17
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	20.09
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	20.01
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2545	509000	20.10
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2535	507000	20.04
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2525	505000	19.92
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	2567.5	513500	20.24
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2567.5	513500	20.16
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2567.5	513500	19.12
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2567.5	513500	17.18
15	5	CP-OFDM QPSK	Inner_Full	13@6	2567.5	513500	20.10
15	5	CP-OFDM 16QAM	Inner_Full	13@6	2567.5	513500	19.72
15	5	CP-OFDM 64QAM	Inner_Full	13@6	2567.5	513500	18.07
15	5	CP-OFDM 256QAM	Inner_Full	13@6	2567.5	513500	15.06
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	2567.5	513500	20.09
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2567.5	513500	20.15
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	2567.5	513500	20.11
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2567.5	513500	20.16
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	2567.5	513500	20.22
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2565	513000	20.21
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2562.5	512500	20.20
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2560	512000	20.19
15	25	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2557.5	511500	20.22
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	2555	511000	20.23
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2550	510000	20.17



Ant.4 NR n7 Power Level D2 Tune up: 18.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	17.17
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	17.11
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	17.02
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2545	509000	17.11
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2535	507000	17.03
15	50	DFT-s-OFDM QPSK	Inner_Full	135@67	2525	505000	16.90
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	2567.5	513500	17.27
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2567.5	513500	17.19
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2567.5	513500	17.16
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2567.5	513500	17.20
15	5	CP-OFDM QPSK	Inner_Full	13@6	2567.5	513500	17.15
15	5	CP-OFDM 16QAM	Inner_Full	13@6	2567.5	513500	17.22
15	5	CP-OFDM 64QAM	Inner_Full	13@6	2567.5	513500	17.20
15	5	CP-OFDM 256QAM	Inner_Full	13@6	2567.5	513500	15.11
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	2567.5	513500	17.07
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2567.5	513500	17.14
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	2567.5	513500	17.12
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2567.5	513500	17.17
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	2567.5	513500	17.22
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2565	513000	17.23
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2562.5	512500	17.20
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2560	512000	17.18
15	25	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2557.5	511500	17.24
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	2555	511000	17.23
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2550	510000	17.15

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Ant.0 NR n38 Power Level A1/B1C1 Tune up: 24.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2610	522000	23.21
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2595	519000	23.23
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2580	516000	23.18
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2600	520000	23.18
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2595	519000	23.16
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2590	518000	23.15
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2595	519000	23.29
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2595	519000	22.23
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2595	519000	20.89
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2595	519000	18.95
30	20	CP-OFDM QPSK	Inner_Full	25@12	2595	519000	21.87
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2595	519000	21.43
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2595	519000	19.81
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2595	519000	16.79
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@49	2595	519000	22.63
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2595	519000	22.65
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@49	2595	519000	23.13
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2595	519000	22.62
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	2595	519000	22.78
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2595	519000	23.26



Ant.0 NR n38 Power Level D1 Tune up: 23.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2610	522000	22.20
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2595	519000	22.25
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2580	516000	22.16
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2600	520000	22.19
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2595	519000	22.15
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2590	518000	22.13
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2595	519000	22.27
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2595	519000	22.23
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2595	519000	20.90
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2595	519000	18.96
30	20	CP-OFDM QPSK	Inner_Full	25@12	2595	519000	21.89
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2595	519000	21.43
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2595	519000	19.82
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2595	519000	16.78
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@49	2595	519000	22.12
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2595	519000	22.14
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@49	2595	519000	22.15
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2595	519000	22.07
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	2595	519000	22.11
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2595	519000	22.25

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Ant.1 NR n38 Power Level A1/B1 Tune up: 15.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2610	522000	13.79
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2595	519000	13.62
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2580	516000	13.62
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2600	520000	13.58
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2595	519000	13.45
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2590	518000	13.60
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2610	522000	13.87
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2610	522000	13.81
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2610	522000	13.76
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2610	522000	13.35
30	20	CP-OFDM QPSK	Inner_Full	25@12	2610	522000	13.79
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2610	522000	13.85
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2610	522000	13.75
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2610	522000	11.28
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@49	2610	522000	13.81
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2610	522000	13.77
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@49	2610	522000	13.80
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2610	522000	13.82
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	2610	522000	13.78
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	2@76	2605	521000	13.81



Ant.1 NR n38 Power Level C1/D1 Tune up: 18.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2610	522000	16.78
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2595	519000	16.62
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2580	516000	16.60
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2600	520000	16.56
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2595	519000	16.44
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2590	518000	16.61
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2610	522000	16.86
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2610	522000	16.81
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2610	522000	16.74
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2610	522000	16.33
30	20	CP-OFDM QPSK	Inner_Full	25@12	2610	522000	16.78
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2610	522000	16.84
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2610	522000	16.73
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2610	522000	16.35
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@49	2610	522000	16.79
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2610	522000	16.76
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@49	2610	522000	16.82
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2610	522000	16.82
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	2610	522000	16.80
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	2@76	2605	521000	16.80

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Ant.1 NR n41 Power Level A1/B1/C1/D1/A2/C2 Tune up: 24.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	23.35
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	23.27
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	23.23
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509901	23.18
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	23.34
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	23.37
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.50	523299	23.33
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	23.32
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.50	513900	23.27
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	23.27
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	2640	528000	23.43
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	2640	528000	22.26
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	2640	528000	20.95
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	2640	528000	18.92
30	100	CP-OFDM QPSK	Inner_Full	137@68	2640	528000	21.92
30	100	CP-OFDM 16QAM	Inner_Full	137@68	2640	528000	21.49
30	100	CP-OFDM 64QAM	Inner_Full	137@68	2640	528000	19.86
30	100	CP-OFDM 256QAM	Inner_Full	137@68	2640	528000	16.81
30	100	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@271	2640	528000	21.97
30	100	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2640	528000	21.79
30	100	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@271	2640	528000	22.58
30	100	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2640	528000	21.82
30	100	DFT-s-OFDM PI/2 BPSK	Outer_Full	270@0	2640	528000	22.63
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2674.98	534996	23.38
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2670	534000	23.35
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2664.99	532998	23.39
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	2659.98	531996	23.40
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	2655	531000	23.37
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2649.99	529998	23.39
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	2644.98	528996	23.41



Ant.1 NR n41 Power Level B2 Tune up: 21.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	20.35
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	20.27
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	20.23
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509901	20.17
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	20.33
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	20.36
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.50	523299	20.35
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	20.30
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.50	513900	20.28
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	20.26
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	2640	528000	20.48
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	2640	528000	20.41
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	2640	528000	20.42
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	2640	528000	18.93
30	100	CP-OFDM QPSK	Inner_Full	137@68	2640	528000	20.38
30	100	CP-OFDM 16QAM	Inner_Full	137@68	2640	528000	20.44
30	100	CP-OFDM 64QAM	Inner_Full	137@68	2640	528000	19.86
30	100	CP-OFDM 256QAM	Inner_Full	137@68	2640	528000	16.82
30	100	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@271	2640	528000	19.78
30	100	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2640	528000	19.64
30	100	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@271	2640	528000	19.81
30	100	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2640	528000	19.65
30	100	DFT-s-OFDM PI/2 BPSK	Outer_Full	270@0	2640	528000	20.30
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2674.98	534996	20.37
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2670	534000	20.36
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2664.99	532998	20.39
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	2659.98	531996	20.42
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	2655	531000	20.37
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2649.99	529998	20.39
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	2644.98	528996	20.41



Ant.1 NR n41 Power Level D2 Tune up: 20.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	19.45
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	19.38
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	19.33
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509901	19.30
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	19.46
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	19.47
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.50	523299	19.43
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	19.41
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.50	513900	19.37
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	19.38
30	100	DFT-s-OFDM Pi/2 BPSK	Inner_Full	135@67	2640	528000	19.59
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	2640	528000	19.37
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	2640	528000	19.34
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	2640	528000	18.90
30	100	CP-OFDM QPSK	Inner_Full	137@68	2640	528000	19.36
30	100	CP-OFDM 16QAM	Inner_Full	137@68	2640	528000	19.40
30	100	CP-OFDM 64QAM	Inner_Full	137@68	2640	528000	19.34
30	100	CP-OFDM 256QAM	Inner_Full	137@68	2640	528000	16.81
30	100	DFT-s-OFDM Pi/2 BPSK	Edge_Full_Right	2@271	2640	528000	18.77
30	100	DFT-s-OFDM Pi/2 BPSK	Edge_Full_Left	2@0	2640	528000	18.61
30	100	DFT-s-OFDM Pi/2 BPSK	Inner_1RB_Right	1@271	2640	528000	19.04
30	100	DFT-s-OFDM Pi/2 BPSK	Inner_1RB_Left	1@1	2640	528000	18.71
30	100	DFT-s-OFDM Pi/2 BPSK	Outer_Full	270@0	2640	528000	19.36
30	30	DFT-s-OFDM Pi/2 BPSK	Inner_Full	36@18	2674.98	534996	19.47
30	40	DFT-s-OFDM Pi/2 BPSK	Inner_Full	50@25	2670	534000	19.44
30	50	DFT-s-OFDM Pi/2 BPSK	Inner_Full	64@32	2664.99	532998	19.50
30	60	DFT-s-OFDM Pi/2 BPSK	Inner_Full	81@40	2659.98	531996	19.52
30	70	DFT-s-OFDM Pi/2 BPSK	Inner_Full	90@45	2655	531000	19.48
30	80	DFT-s-OFDM Pi/2 BPSK	Inner_Full	108@54	2649.99	529998	19.49
30	90	DFT-s-OFDM Pi/2 BPSK	Inner_Full	120@60	2644.98	528996	19.53



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Ant.1 NR n41 Power Level A1/B1 Tune up: 16.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	14.93
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	14.71
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	14.63
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509901	14.85
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	15.13
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	14.64
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.50	523299	14.63
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	14.62
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.50	513900	14.74
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	14.77
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2506.02	501204	15.14
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2506.02	501204	15.10
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2506.02	501204	15.00
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2506.02	501204	15.03
30	20	CP-OFDM QPSK	Inner_Full	25@12	2506.02	501204	15.00
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2506.02	501204	15.12
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2506.02	501204	14.90
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2506.02	501204	14.94
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@49	2506.02	501204	14.98
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2506.02	501204	15.05
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@49	2506.02	501204	15.00
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2506.02	501204	14.99
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	2506.02	501204	15.11
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2511	502200	15.13
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2516.01	503202	15.11
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2521.02	504204	15.08
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	2526	505200	15.06
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	2531.01	506202	15.10
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2536.02	507204	15.13
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	2541	508200	15.07



Ant.1 NR n41 Power Level C1/D1 Tune up: 19.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	17.95
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	17.72
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	17.60
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509901	17.82
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	18.12
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	17.66
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.50	523299	17.63
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	17.61
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.50	513900	17.73
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	17.78
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2506.02	501204	18.13
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2506.02	501204	18.09
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2506.02	501204	18.04
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2506.02	501204	18.08
30	20	CP-OFDM QPSK	Inner_Full	25@12	2506.02	501204	18.03
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2506.02	501204	18.11
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2506.02	501204	17.95
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2506.02	501204	16.48
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@49	2506.02	501204	17.98
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2506.02	501204	18.02
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@49	2506.02	501204	17.99
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2506.02	501204	18.00
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	2506.02	501204	18.12
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2511	502200	18.11
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2516.01	503202	18.10
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2521.02	504204	18.09
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	2526	505200	18.03
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	2531.01	506202	18.10
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2536.02	507204	18.11
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	2541	508200	18.08



n41 Ant.4

Ant.4 NR n41 Power Level A2/C2 Tune up: 21.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	20.57
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	20.32
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	20.61
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509901	20.26
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	20.23
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	20.33
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.50	523299	20.43
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	20.54
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.50	513900	20.34
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	20.18
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2592.99	518598	20.67
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	20.61
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	19.04
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	17.16
30	20	CP-OFDM QPSK	Inner_Full	25@12	2592.99	518598	20.07
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	19.63
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	18.00
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	15.02
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@49	2592.99	518598	20.53
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2592.99	518598	20.38
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@49	2592.99	518598	20.52
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2592.99	518598	20.27
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	2592.99	518598	20.60
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2592.99	518598	20.62
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2592.99	518598	20.65
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2592.99	518598	20.63
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	2592.99	518598	20.59
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	2592.99	518598	20.60
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2592.99	518598	20.64
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	2592.99	518598	20.62



Ant.4 NR n41 Power Level B2 Tune up: 18.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	17.57
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	17.30
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	17.57
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509901	17.22
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	17.19
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	17.31
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.50	523299	17.38
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	17.50
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.50	513900	17.33
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	17.14
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2592.99	518598	17.67
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	17.59
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	17.52
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	17.14
30	20	CP-OFDM QPSK	Inner_Full	25@12	2592.99	518598	17.55
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	17.62
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	17.45
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	14.97
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@49	2592.99	518598	17.49
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2592.99	518598	17.33
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@49	2592.99	518598	17.49
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2592.99	518598	17.34
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	2592.99	518598	17.51
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2592.99	518598	17.60
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2592.99	518598	17.64
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2592.99	518598	17.59
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	2592.99	518598	17.56
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	2592.99	518598	17.58
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2592.99	518598	17.62
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	2592.99	518598	17.61



Ant.4 NR n41 Power Level D2 Tune up: 18.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2679.99	535998	17.05
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2636.49	527298	16.77
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	17.11
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2549.51	509901	16.71
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	16.68
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	16.80
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2616.50	523299	16.93
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	17.01
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2569.50	513900	16.83
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	16.68
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	2592.99	518598	17.16
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	17.08
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	16.97
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	17.08
30	20	CP-OFDM QPSK	Inner_Full	25@12	2592.99	518598	17.01
30	20	CP-OFDM 16QAM	Inner_Full	25@12	2592.99	518598	17.12
30	20	CP-OFDM 64QAM	Inner_Full	25@12	2592.99	518598	16.98
30	20	CP-OFDM 256QAM	Inner_Full	25@12	2592.99	518598	14.97
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@49	2592.99	518598	17.02
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	2592.99	518598	16.85
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@49	2592.99	518598	16.99
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	2592.99	518598	16.76
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	2592.99	518598	17.06
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	2592.99	518598	17.12
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2592.99	518598	17.12
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	2592.99	518598	17.09
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	2592.99	518598	17.07
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	2592.99	518598	17.09
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	2592.99	518598	17.09
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	2592.99	518598	17.08



n66 Ant.0

Ant.0 NR n66 Power Level A1/B1/C1/D1 Tune up: 24.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	23.00
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	22.99
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	22.93
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	23.07
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1760	352000	22.89
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	349000	22.90
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1730	346000	22.98
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	1712.5	342500	23.11
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1712.5	342500	22.04
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1712.5	342500	20.51
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1712.5	342500	18.57
15	5	CP-OFDM QPSK	Inner_Full	13@6	1712.5	342500	21.48
15	5	CP-OFDM 16QAM	Inner_Full	13@6	1712.5	342500	21.05
15	5	CP-OFDM 64QAM	Inner_Full	13@6	1712.5	342500	19.49
15	5	CP-OFDM 256QAM	Inner_Full	13@6	1712.5	342500	16.46
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	1712.5	342500	22.55
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	1712.5	342500	22.52
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	1712.5	342500	23.07
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	1712.5	342500	22.54
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	1712.5	342500	22.58
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	1715	343000	23.08
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	1717.5	343500	23.04
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1720	344000	23.05
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	1725	345000	23.01

n66 Ant.1

Ant.1 NR n66 Power Level A1/B1 Tune up: 16.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	15.63
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	15.43
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	15.43
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1760	352000	15.50
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	349000	15.35
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1730	346000	15.42
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	1777.5	355500	15.77
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1777.5	355500	15.56
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1777.5	355500	15.53
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1777.5	355500	15.58
15	5	CP-OFDM QPSK	Inner_Full	13@6	1777.5	355500	15.54
15	5	CP-OFDM 16QAM	Inner_Full	13@6	1777.5	355500	15.66
15	5	CP-OFDM 64QAM	Inner_Full	13@6	1777.5	355500	15.59
15	5	CP-OFDM 256QAM	Inner_Full	13@6	1777.5	355500	15.54
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	1777.5	355500	15.48
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	1777.5	355500	15.50
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	1777.5	355500	15.54
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	1777.5	355500	15.48
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	1777.5	355500	15.59
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	1775	355000	15.74
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	1772.5	354500	15.74
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1770	354000	15.69
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	1765	353000	15.71



Ant.1 NR n66 Power Level C1 Tune up: 21.2							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	20.13
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	19.95
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	19.93
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1760	352000	20.03
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	349000	19.86
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1730	346000	19.91
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	1777.5	355500	20.16
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1777.5	355500	20.12
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1777.5	355500	20.08
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1777.5	355500	18.68
15	5	CP-OFDM QPSK	Inner_Full	13@6	1777.5	355500	20.06
15	5	CP-OFDM 16QAM	Inner_Full	13@6	1777.5	355500	20.15
15	5	CP-OFDM 64QAM	Inner_Full	13@6	1777.5	355500	19.57
15	5	CP-OFDM 256QAM	Inner_Full	13@6	1777.5	355500	16.56
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	1777.5	355500	20.02
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	1777.5	355500	20.01
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	1777.5	355500	20.07
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	1777.5	355500	19.98
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	1777.5	355500	20.07
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	1775	355000	20.15
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	1772.5	354500	20.13
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1770	354000	20.09
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	1765	353000	20.14

Ant.1 NR n66 Power Level D1 Tune up: 20.7							Conducted Power (dBm)
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	19.58
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	19.43
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	19.45
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1760	352000	19.55
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	349000	19.34
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1730	346000	19.42
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	1777.5	355500	19.61
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1777.5	355500	19.59
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1777.5	355500	19.54
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1777.5	355500	18.68
15	5	CP-OFDM QPSK	Inner_Full	13@6	1777.5	355500	19.55
15	5	CP-OFDM 16QAM	Inner_Full	13@6	1777.5	355500	19.60
15	5	CP-OFDM 64QAM	Inner_Full	13@6	1777.5	355500	19.57
15	5	CP-OFDM 256QAM	Inner_Full	13@6	1777.5	355500	16.55
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Right	2@23	1777.5	355500	19.51
15	5	DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	2@0	1777.5	355500	19.53
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Right	1@23	1777.5	355500	19.58
15	5	DFT-s-OFDM PI/2 BPSK	Inner_1RB_Left	1@1	1777.5	355500	19.46
15	5	DFT-s-OFDM PI/2 BPSK	Outer_Full	25@0	1777.5	355500	19.56
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	1775	355000	19.60
15	15	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	1772.5	354500	19.58
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1770	354000	19.57
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	1765	353000	19.59

10.5. WLAN and Bluetooth Measurement result

Table 10.4: The conducted Power measurement results for Bluetooth

Bluetooth Mode	Tune up	Averaged Power (dBm)		
		Ch.0 (2402MHz)	Ch.39 (2441MHz)	Ch.78 (2480MHz)
GFSK	13.0	11.90	12.01	11.94
EDR2M-4_DQPSK	11.0	9.21	9.35	9.26
EDR3M-8DPSK	11.0	9.15	9.32	9.22
/	/	Ch.0 (2402MHz)	Ch.19 (2440MHz)	Ch.39 (2480MHz)
BLE(1M)	7.0	5.48	5.87	5.59
BLE(2M)	7.0	5.52	5.93	5.65

Table 10.5: The conducted Power measurement results for WLAN 2.4G

Ant.7 - Power Level A1				
Mode	Tune up	Averaged Power (dBm) Duty Cycle: 100%		
		Ch.1 (2412MHz)	Ch.6 (2437Mhz)	Ch.11 (2462MHz)
802.11b	17.5	16.07	16.08	16.44
802.11g	17.0	15.31	15.30	8.62
802.11n(20MHz)	17.0	15.25	15.24	8.61
802.11ac(20MHz)	17.0	15.28	15.21	8.68
802.11ax(20MHz)	16.0	14.40	14.52	8.76
/	/	Ch.3 (2422MHz)	Ch.6 (2437Mhz)	Ch.9 (2452MHz)
802.11n(40MHz)	17.0	11.19	15.21	11.39
802.11ac(40MHz)	17.0	11.16	15.25	11.37
802.11ax(40MHz)	16.0	14.20	14.24	11.49
Ant.7 - Power Level B1				
Mode	Tune up	Averaged Power (dBm) Duty Cycle: 100%		
		Ch.1 (2412MHz)	Ch.6 (2437Mhz)	Ch.11 (2462MHz)
802.11b	13.0	11.64	11.60	11.96
802.11g	12.5	10.79	10.83	4.16
802.11n(20MHz)	12.5	10.81	10.74	4.11
802.11ac(20MHz)	12.5	10.78	10.75	4.11
802.11ax(20MHz)	11.5	9.95	9.94	4.31
/	/	Ch.3 (2422MHz)	Ch.6 (2437Mhz)	Ch.9 (2452MHz)
802.11n(40MHz)	12.5	6.72	10.71	6.89
802.11ac(40MHz)	12.5	6.65	10.73	6.92
802.11ax(40MHz)	11.5	9.66	9.78	7.01



Ant.7 - Power Level C1				
Mode	Tune up	Averaged Power (dBm) Duty Cycle: 100%		
		Ch.1 (2412MHz)	Ch.6 (2437Mhz)	Ch.11 (2462MHz)
802.11b	19.5	18.11	18.07	18.49
802.11g	19.0	17.32	17.29	10.62
802.11n(20MHz)	19.0	17.29	17.27	10.60
802.11ac(20MHz)	19.0	17.30	17.25	10.63
802.11ax(20MHz)	18.0	16.45	16.47	10.78
/	/	Ch.3 (2422MHz)	Ch.6 (2437Mhz)	Ch.9 (2452MHz)
802.11n(40MHz)	19.0	13.21	17.24	13.42
802.11ac(40MHz)	19.0	13.16	17.21	13.38
802.11ax(40MHz)	18.0	16.20	16.26	13.46
Ant.7 - Power Level D1				
Mode	Tune up	Averaged Power (dBm) Duty Cycle: 100%		
		Ch.1 (2412MHz)	Ch.6 (2437Mhz)	Ch.11 (2462MHz)
802.11b	18.0	16.60	16.58	16.97
802.11g	17.5	15.85	15.82	9.16
802.11n(20MHz)	17.5	15.84	15.78	9.14
802.11ac(20MHz)	17.5	15.84	15.72	9.16
802.11ax(20MHz)	16.5	14.94	14.97	9.26
/	/	Ch.3 (2422MHz)	Ch.6 (2437Mhz)	Ch.9 (2452MHz)
802.11n(40MHz)	17.5	11.73	15.72	11.88
802.11ac(40MHz)	17.5	11.67	15.68	11.85
802.11ax(40MHz)	16.5	14.73	14.74	11.97



Ant.8 - Power Level A1				
Mode	Tune up	Averaged Power (dBm) Duty Cycle: 100%		
		Ch.1 (2412MHz)	Ch.6 (2437Mhz)	Ch.11 (2462MHz)
802.11b	17.5	15.95	15.86	15.98
802.11g	17.0	15.21	15.17	8.26
802.11n(20MHz)	17.0	15.20	15.06	8.21
802.11ac(20MHz)	17.0	15.18	15.10	8.13
802.11ax(20MHz)	16.0	14.19	14.15	8.30
/	/	Ch.3 (2422MHz)	Ch.6 (2437Mhz)	Ch.9 (2452MHz)
802.11n(40MHz)	17.0	11.16	15.03	11.11
802.11ac(40MHz)	17.0	11.06	15.09	11.09
802.11ax(40MHz)	16.0	14.13	14.14	11.26
Ant.8 - Power Level B1				
Mode	Tune up	Averaged Power (dBm) Duty Cycle: 100%		
		Ch.1 (2412MHz)	Ch.6 (2437Mhz)	Ch.11 (2462MHz)
802.11b	13.0	11.40	11.30	11.50
802.11g	12.5	10.62	10.58	3.73
802.11n(20MHz)	12.5	10.62	10.63	3.68
802.11ac(20MHz)	12.5	10.64	10.62	3.61
802.11ax(20MHz)	11.5	9.72	9.65	3.85
/	/	Ch.3 (2422MHz)	Ch.6 (2437Mhz)	Ch.9 (2452MHz)
802.11n(40MHz)	12.5	6.65	10.60	6.62
802.11ac(40MHz)	12.5	6.62	10.53	6.65
802.11ax(40MHz)	11.5	9.63	9.63	6.76



Ant.8 - Power Level C1				
Mode	Tune up	Averaged Power (dBm) Duty Cycle: 100%		
		Ch.1 (2412MHz)	Ch.6 (2437Mhz)	Ch.11 (2462MHz)
802.11b	19.5	17.91	17.84	17.95
802.11g	19.0	17.17	17.13	10.23
802.11n(20MHz)	19.0	17.16	17.11	10.18
802.11ac(20MHz)	19.0	17.16	17.12	10.15
802.11ax(20MHz)	18.0	16.20	16.17	10.31
/	/	Ch.3 (2422MHz)	Ch.6 (2437Mhz)	Ch.9 (2452MHz)
802.11n(40MHz)	19.0	13.12	17.08	13.14
802.11ac(40MHz)	19.0	13.09	17.06	13.12
802.11ax(40MHz)	18.0	16.14	16.09	13.22
Ant.8 - Power Level D1				
Mode	Tune up	Averaged Power (dBm) Duty Cycle: 100%		
		Ch.1 (2412MHz)	Ch.6 (2437Mhz)	Ch.11 (2462MHz)
802.11b	18.0	16.38	16.37	16.49
802.11g	17.5	15.69	15.65	8.68
802.11n(20MHz)	17.5	15.69	15.64	8.68
802.11ac(20MHz)	17.5	15.66	15.57	8.61
802.11ax(20MHz)	16.5	14.67	14.68	8.78
/	/	Ch.3 (2422MHz)	Ch.6 (2437Mhz)	Ch.9 (2452MHz)
802.11n(40MHz)	17.5	11.61	15.59	11.61
802.11ac(40MHz)	17.5	11.59	15.60	11.66
802.11ax(40MHz)	16.5	14.62	14.62	11.68

Table 10.6: The conducted Power measurement results for WLAN 5G

Ant.7 - Power Level A1/C1/D1				
Averaged Power (dBm) Duty Cycle: 100%				
Mode	802.11a	802.11n-20MHz	802.11ac-20MHz	802.11ax-20MHz
Channel	6Mbps	MCS0	MCS0	MCS0
<U-NII-1>				
Tune up	19.0	19.0	19.0	18.0
36(5180MHz)	17.30	17.24	17.21	16.33
40(5200MHz)	17.32	17.27	17.23	16.34
44(5220MHz)	17.36	17.30	17.31	16.32
48(5240MHz)	17.39	17.29	17.26	16.35
<U-NII-2A>				
Tune up	19.0	19.0	19.0	18.0
52(5260MHz)	17.24	17.20	17.19	16.26
56(5280MHz)	17.26	17.22	17.21	16.28
60(5300MHz)	17.23	17.19	17.16	16.25
64(5320MHz)	17.21	17.17	17.15	16.23
<U-NII-2C>				
Tune up	19.0	19.0	19.0	18.0
100(5500MHz)	17.24	17.20	17.19	16.25
116(5580MHz)	17.30	17.23	17.22	16.26
124(5620MHz)	17.29	17.25	17.23	16.26
132(5660MHz)	17.34	17.28	17.25	16.32
140(5700MHz)	17.29	17.20	17.18	16.29
<U-NII-3>				
Tune up	19.0	19.0	19.0	18.0
149(5745MHz)	17.28	17.24	17.20	16.27
157(5785MHz)	17.31	17.27	17.25	16.30
165(5825MHz)	17.26	17.23	17.21	16.29



Ant.7 - Power Level A1/C1/D1						
Averaged Power (dBm) Duty Cycle: 100%						
Mode	802.11n -40MHz	802.11ac -40MHz	802.11ax -40MHz	Mode	802.11ac -80MHz	802.11ax -80MHz
Channel	MCS0	MCS0	MCS0	Channel	MCS0	MCS0
<U-NII-1>						
Tune up	18.0	18.0	17.0	/	17.0	17.0
38(5190MHz)	16.19	16.21	15.18	42(5210MHz)	15.08	15.12
46(5230MHz)	16.25	16.26	15.22	/	/	/
<U-NII-2A>						
Tune up	18.0	18.0	17.0	/	17.0	17.0
54(5270MHz)	16.12	16.14	15.16	58(5290MHz)	15.07	15.13
62(5310MHz)	16.15	16.17	15.14	/	/	/
<U-NII-2C>						
Tune up	18.0	18.0	17.0	/	17.0	17.0
102(5510MHz)	10.72	16.14	15.16	106(5530MHz)	9.17	15.15
110(5550MHz)	16.14	16.16	15.18	122(5610MHz)	15.10	15.11
126(5630MHz)	16.21	16.20	15.25	138(5690MHz)	15.04	15.06
134(5670MHz)	16.12	16.16	15.15	/	/	/
<U-NII-3>						
Tune up	18.0	18.0	17.0	/	17.0	17.0
151(5755MHz)	16.18	16.21	15.25	155(5775MHz)	15.14	15.20
159(5795MHz)	16.20	16.24	15.27	/	/	/



Ant.7 - Power Level B1				
Averaged Power (dBm) Duty Cycle: 100%				
Mode	802.11a	802.11n-20MHz	802.11ac-20MHz	802.11ax-20MHz
Channel	6Mbps	MCS0	MCS0	MCS0
<U-NII-1>				
Tune up	15.0	15.0	15.0	14.0
36(5180MHz)	13.29	13.20	13.18	12.33
40(5200MHz)	13.30	13.25	13.22	12.32
44(5220MHz)	13.39	13.29	13.30	12.32
48(5240MHz)	13.36	13.30	13.24	12.39
<U-NII-2A>				
Tune up	15.0	15.0	15.0	14.0
52(5260MHz)	13.21	13.24	13.17	12.27
56(5280MHz)	13.22	13.17	13.20	12.27
60(5300MHz)	13.20	13.19	13.12	12.22
64(5320MHz)	13.16	13.19	13.10	12.23
<U-NII-2C>				
Tune up	14.0	14.0	14.0	13.0
100(5500MHz)	12.20	12.17	12.19	11.22
116(5580MHz)	12.33	12.26	12.20	11.25
124(5620MHz)	12.28	12.29	12.19	11.25
132(5660MHz)	12.37	12.26	12.29	11.34
140(5700MHz)	12.25	12.21	12.18	11.32
<U-NII-3>				
Tune up	14.0	14.0	14.0	13.0
149(5745MHz)	12.30	12.27	12.21	11.28
157(5785MHz)	12.32	12.24	12.21	11.28
165(5825MHz)	12.31	12.18	12.21	11.29



Ant.7 - Power Level B1						
Averaged Power (dBm) Duty Cycle: 100%						
Mode	802.11n -40MHz	802.11ac -40MHz	802.11ax -40MHz	Mode	802.11ac -80MHz	802.11ax -80MHz
Channel	MCS0	MCS0	MCS0	Channel	MCS0	MCS0
<U-NII-1>						
Tune up	14.0	14.0	13.0	/	13.0	13.0
38(5190MHz)	12.23	12.22	11.22	42(5210MHz)	11.08	11.16
46(5230MHz)	12.27	12.24	11.19	/	/	/
<U-NII-2A>						
Tune up	14.0	14.0	13.0	/	13.0	13.0
54(5270MHz)	12.17	12.17	11.18	58(5290MHz)	11.09	11.17
62(5310MHz)	12.14	12.18	11.12	/	/	/
<U-NII-2C>						
Tune up	13.0	13.0	12.0	/	12.0	12.0
102(5510MHz)	5.71	11.16	10.21	106(5530MHz)	4.21	10.16
110(5550MHz)	11.15	11.15	10.17	122(5610MHz)	10.11	10.12
126(5630MHz)	11.20	11.23	10.21	138(5690MHz)	10.05	10.10
134(5670MHz)	11.17	11.17	10.16	/	/	/
<U-NII-3>						
Tune up	13.0	13.0	12.0	/	12.0	12.0
151(5755MHz)	11.18	11.22	10.24	155(5775MHz)	10.17	10.18
159(5795MHz)	11.18	11.26	10.22	/	/	/



Ant.8 - Power Level A1/C1/D1				
Averaged Power (dBm) Duty Cycle: 100%				
Mode	802.11a	802.11n-20MHz	802.11ac-20MHz	802.11ax-20MHz
Channel	6Mbps	MCS0	MCS0	MCS0
<U-NII-1>				
Tune up	19.0	19.0	19.0	18.0
36(5180MHz)	17.43	17.32	17.30	16.42
40(5200MHz)	17.47	17.40	17.38	16.44
44(5220MHz)	17.54	17.49	17.43	16.50
48(5240MHz)	17.60	17.55	17.54	16.57
<U-NII-2A>				
Tune up	19.0	19.0	19.0	18.0
52(5260MHz)	17.48	17.37	17.35	16.43
56(5280MHz)	17.52	17.41	17.43	16.46
60(5300MHz)	17.45	17.39	17.35	16.42
64(5320MHz)	17.43	17.35	17.31	16.42
<U-NII-2C>				
Tune up	19.0	19.0	19.0	18.0
100(5500MHz)	17.31	17.27	17.25	16.29
116(5580MHz)	17.53	17.48	17.47	16.48
124(5620MHz)	17.51	17.47	17.45	16.49
132(5660MHz)	17.63	17.56	17.52	16.58
140(5700MHz)	17.67	17.60	17.57	16.62
<U-NII-3>				
Tune up	19.0	19.0	19.0	18.0
149(5745MHz)	17.54	17.49	17.46	16.51
157(5785MHz)	17.50	17.41	17.40	16.45
165(5825MHz)	17.41	17.36	17.33	16.37



Ant.8 - Power Level A1/C1/D1						
Averaged Power (dBm) Duty Cycle: 100%						
Mode	802.11n -40MHz	802.11ac -40MHz	802.11ax -40MHz	Mode	802.11ac -80MHz	802.11ax -80MHz
Channel	MCS0	MCS0	MCS0	Channel	MCS0	MCS0
<U-NII-1>						
Tune up	18.0	18.0	17.0	/	17.0	17.0
38(5190MHz)	16.24	16.25	15.19	42(5210MHz)	15.09	15.15
46(5230MHz)	16.36	16.40	15.37	/	/	/
<U-NII-2A>						
Tune up	18.0	18.0	17.0	/	17.0	17.0
54(5270MHz)	16.25	16.28	15.29	58(5290MHz)	15.07	15.14
62(5310MHz)	16.23	16.27	15.25	/	/	/
<U-NII-2C>						
Tune up	18.0	18.0	17.0	/	17.0	17.0
102(5510MHz)	10.76	16.19	15.15	106(5530MHz)	9.20	15.23
110(5550MHz)	16.18	16.18	15.20	122(5610MHz)	15.11	15.17
126(5630MHz)	16.34	16.39	15.31	138(5690MHz)	15.18	15.21
134(5670MHz)	16.43	16.45	15.46	/	/	/
<U-NII-3>						
Tune up	18.0	18.0	17.0	/	17.0	17.0
151(5755MHz)	16.35	16.38	15.39	155(5775MHz)	15.26	15.31
159(5795MHz)	16.32	16.37	15.35	/	/	/



Ant.8 - Power Level B1				
Averaged Power (dBm) Duty Cycle: 100%				
Mode	802.11a	802.11n-20MHz	802.11ac-20MHz	802.11ax-20MHz
Channel	6Mbps	MCS0	MCS0	MCS0
<U-NII-1>				
Tune up	15.0	15.0	15.0	14.0
36(5180MHz)	13.41	13.35	13.34	12.40
40(5200MHz)	13.45	13.36	13.37	12.46
44(5220MHz)	13.57	13.44	13.43	12.50
48(5240MHz)	13.63	13.57	13.54	12.60
<U-NII-2A>				
Tune up	15.0	15.0	15.0	14.0
52(5260MHz)	13.52	13.36	13.31	12.45
56(5280MHz)	13.53	13.44	13.48	12.49
60(5300MHz)	13.47	13.41	13.34	12.40
64(5320MHz)	13.48	13.33	13.34	12.39
<U-NII-2C>				
Tune up	14.0	14.0	14.0	13.0
100(5500MHz)	12.30	12.31	12.24	11.28
116(5580MHz)	12.52	12.45	12.46	11.49
124(5620MHz)	12.52	12.46	12.46	11.50
132(5660MHz)	12.64	12.59	12.52	11.61
140(5700MHz)	12.67	12.56	12.57	11.57
<U-NII-3>				
Tune up	14.0	14.0	14.0	13.0
149(5745MHz)	12.50	12.48	12.51	11.49
157(5785MHz)	12.48	12.38	12.45	11.47
165(5825MHz)	12.36	12.38	12.36	11.41



Ant.8 - Power Level B1						
Averaged Power (dBm) Duty Cycle: 100%						
Mode	802.11n -40MHz	802.11ac -40MHz	802.11ax -40MHz	Mode	802.11ac -80MHz	802.11ax -80MHz
Channel	MCS0	MCS0	MCS0	Channel	MCS0	MCS0
<U-NII-1>						
Tune up	14.0	14.0	13.0	/	13.0	13.0
38(5190MHz)	12.23	12.21	11.15	42(5210MHz)	11.14	11.13
46(5230MHz)	12.36	12.40	11.34	/	/	/
<U-NII-2A>						
Tune up	14.0	14.0	13.0	/	13.0	13.0
54(5270MHz)	12.28	12.31	11.33	58(5290MHz)	11.04	11.15
62(5310MHz)	12.25	12.24	11.27	/	/	/
<U-NII-2C>						
Tune up	13.0	13.0	12.0	/	12.0	12.0
102(5510MHz)	5.75	11.22	10.15	106(5530MHz)	4.18	10.27
110(5550MHz)	11.17	11.15	10.23	122(5610MHz)	10.07	10.14
126(5630MHz)	11.34	11.35	10.32	138(5690MHz)	10.17	10.26
134(5670MHz)	11.47	11.47	10.46	/	/	/
<U-NII-3>						
Tune up	13.0	13.0	12.0	/	12.0	12.0
151(5755MHz)	11.36	11.36	10.35	155(5775MHz)	10.29	10.32
159(5795MHz)	11.35	11.41	10.37	/	/	/

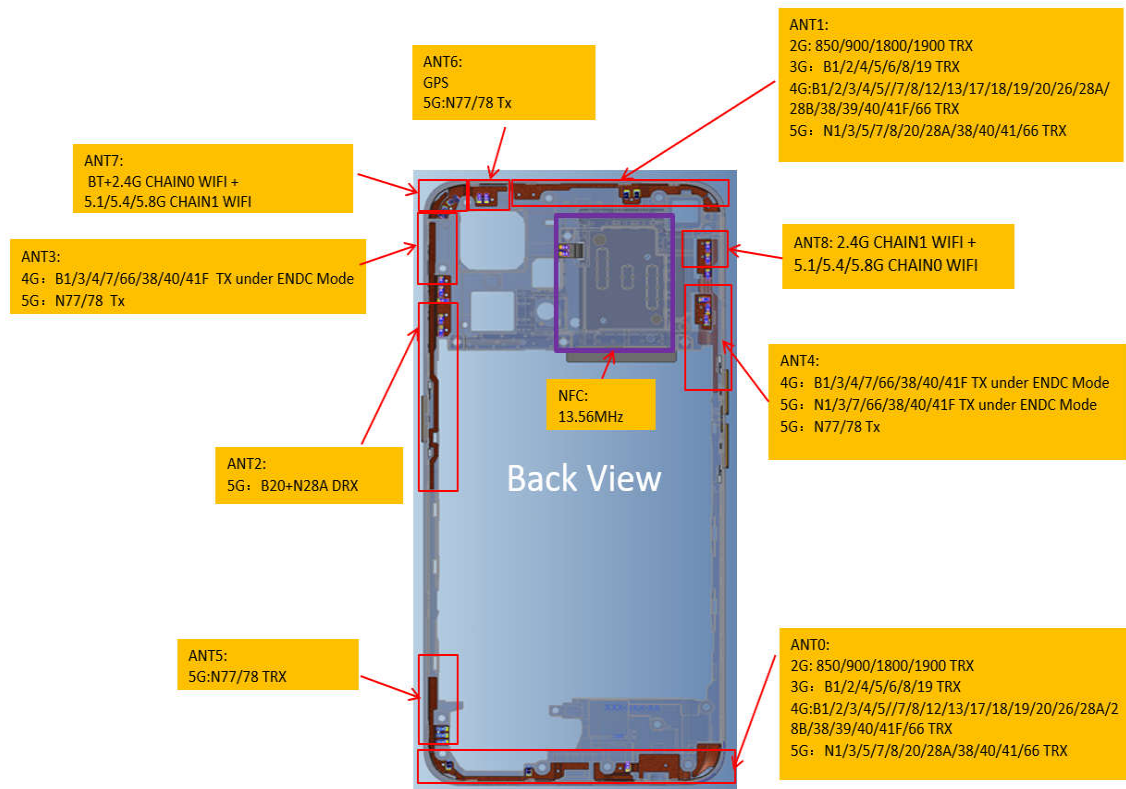
11. Simultaneous TX SAR Considerations

11.1. Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as 802.11 a/b/g and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

For this device, the Bluetooth and WLAN can transmit simultaneous with other transmitters.

11.2. Transmit Antenna Separation Distances



Picture 11.1 Antenna Locations (Back View)



5G ENDC list:

Mode/Band	LTE TX Band	LTE TX Ant.	NR TX Band	NR TX Ant.
DC_7A_n5A	B7	Ant.4	n5	Ant.0
DC_7A_n5A	B7	Ant.0	n5	Ant.1
DC_5A_n7A	B5	Ant.1	n7	Ant.0
DC_5A_n7A	B5	Ant.0	n7	Ant.4
DC_26_n41A	B26	Ant.1	n41	Ant.0
DC_26_n41A	B26	Ant.0	n41	Ant.4
DC_66A_n5A	B66	Ant.4	n5	Ant.0
DC_66A_n5A	B66	Ant.0	n5	Ant.1
DC_66A_n7A	B66	Ant.3	n7	Ant.0 / Ant.4
DC_66A_n7A	B66	Ant.1	n7	Ant.0 / Ant.4

11.3. SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR, the edges with less than 25mm distance to the antennas need to be tested for SAR.

SAR measurement positions						
Mode	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
Ant.0	Yes	Yes	Yes	Yes	No	Yes
Ant.1	Yes	Yes	Yes	Yes	Yes	No
Ant.3	Yes	Yes	Yes	Yes	Yes	No
Ant.4	Yes	Yes	Yes	No	Yes	No
Ant.7	Yes	Yes	Yes	Yes	Yes	No
Ant.8	Yes	Yes	Yes	Yes	Yes	No

12. Evaluation of Simultaneous

Table 12.1: The sum of reported SAR values for WWAN antenna and WLAN antenna

/	Position	WWAN (W/kg)	WLAN (W/kg)	Sum (W/kg)
Highest reported SAR value for Head	Right Cheek (DC_66A_n7A)	1.12	0.44	1.56
Highest reported SAR value for Hotspot	Top Side	1.07	0.50	1.57
Highest reported SAR value for Body-worn	Rear Side	0.46	0.34	0.80

Note: the test positions of above tables are for the worse case that has been evaluated.

Table 12.2: The sum of reported SAR values for WWAN antenna and Bluetooth antenna

/	Position	WWAN (W/kg)	Bluetooth (W/kg)	Sum (W/kg)
Highest reported SAR value for Head	Right Cheek (DC_66A_n7A)	1.20	0.09	1.29
Highest reported SAR value for Hotspot	Rear Side (DC_66A_n7A)	1.25	0.09	1.34
Highest reported SAR value for Body-worn	Rear Side (DC_66A_n7A)	0.57	0.06	0.63

Note: the test positions of above tables are for the worse case that has been evaluated.

Conclusion:

According to the above tables, the sum of reported SAR values is < 1.6W/kg. So the simultaneous transmission SAR with volume scans is not required.

Table 12.3: The sum of SAR values for ENDC

Mode	Position	DC_7A_n5A		
		LTE Band 7 (W/kg)	NR n5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.19	0.35	0.54
	Left Tilt	0.16	0.27	0.43
	Right Cheek	0.39	0.55	0.94
	Right Tilt	0.14	0.39	0.53
Body	Front	0.39	0.15	0.54
	Rear	0.78	0.15	0.93
	Left	0.32	0.12	0.44
	Right	0.26	0.11	0.37
	Top	0.00	0.14	0.14
	Bottom	0.36	0.00	0.36
Mode	Position	DC_66A_n5A		
		LTE Band 66 (W/kg)	NR n5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.35	0.44
	Left Tilt	0.05	0.27	0.32
	Right Cheek	0.05	0.55	0.60
	Right Tilt	0.05	0.39	0.44
Body	Front	0.25	0.15	0.40
	Rear	0.42	0.17	0.59
	Left	0.11	0.14	0.25
	Right	0.13	0.11	0.24
	Top	0.00	0.14	0.14
	Bottom	0.57	0.00	0.57
Mode	Position	DC_5A_n7A		
		LTE Band 5 (W/kg)	NR n7 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.54	0.15	0.69
	Left Tilt	0.40	0.14	0.54
	Right Cheek	0.70	0.30	1.00
	Right Tilt	0.54	0.13	0.67
Body	Front	0.12	0.33	0.45
	Rear	0.17	0.68	0.85
	Left	0.12	0.31	0.43
	Right	0.10	0.21	0.31
	Top	0.12	0.00	0.12
	Bottom	0.00	0.24	0.24



Mode	Position	DC_66A_n7A		
		LTE Band 66 (W/kg)	NR n7 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.48	0.21	0.69
	Left Tilt	0.54	0.15	0.69
	Right Cheek	0.52	0.68	1.20
	Right Tilt	0.73	0.20	0.93
Body	Front	0.42	0.33	0.75
	Rear	0.57	0.68	1.25
	Left	0.07	0.31	0.38
	Right	0.20	0.21	0.41
	Top	0.64	0.08	0.72
	Bottom	0.00	0.24	0.24
Mode	Position	DC_26A_n41A		
		LTE Band 26 (W/kg)	NR n41 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.15	0.56
	Left Tilt	0.30	0.12	0.42
	Right Cheek	0.59	0.32	0.91
	Right Tilt	0.53	0.12	0.65
Body	Front	0.09	0.43	0.52
	Rear	0.12	0.59	0.71
	Left	0.15	0.30	0.45
	Right	0.07	0.28	0.35
	Top	0.09	0.00	0.09
	Bottom	0.00	0.32	0.32

Note: the test positions of above tables are for the worse case that has been evaluated.



13. Summary of Test Results

According to the client's decision rule in the test registration form, which is "based on the measurement results as the basis of the conformity statement", the test conclusion of this report meets the limit requirements.

The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{\text{Target}} - P_{\text{Measured}})/10}$$

Where P_{Target} is the power of manufacturing upper limit;

P_{Measured} is the measured power in chapter 10.

General Note:

1. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.

a. WLAN 5.3G/5.5G tested the product specific 10g SAR since it has no hotspot mode.

b. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.

2. The device support dual SIMs, SIM1 was used for the all configuration SAR testing and SIM2 test the worst case SAR of SIM1.

3. B2: Battery (Huizhou Desay Battery Co., LTD)

Duty Cycle

Mode	Duty Cycle
Speech for GSM850/1900	1:8.3
GPRS for GSM850/1900	1:2
WCDMA Band 2/4/5	1:1
FDD_LTE Band 2/4/5/7/12/13/26/66	1:1
TDD_LTE Band 38/41	1:1.58
NR n5/n7/n38/n41/n66	1:1
Bluetooth	1:1



13.1. Testing Environment

Temperature:	18°C~25°C
Relative humidity:	30%~70%
Ground system resistance:	<4Ω
Ambient noise & Reflection:	< 0.012 W/kg

13.2. SAR results for 2G/3G/4G

Table 13.1: SAR Values (GSM 850 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
190	836.6	Speech	Left Cheek	/	32.53	33.5	0.077	0.10	0.03
190	836.6	Speech	Left Tilt	/	32.53	33.5	0.034	0.04	0.01
190	836.6	Speech	Right Cheek	/	32.53	33.5	0.063	0.08	0.06
190	836.6	Speech	Right Tilt	/	32.53	33.5	0.035	0.04	0.19
190	836.6	Speech	Left Cheek	B2	32.53	33.5	0.069	0.09	0.03

Table 13.2: SAR Values (GSM 850 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
190	836.6	GPRS-4	Front	/	27.19	28.5	0.091	0.12	-0.06
190	836.6	GPRS-4	Rear	2	27.19	28.5	0.147	0.20	-0.01
190	836.6	GPRS-4	Left	/	27.19	28.5	0.086	0.12	0.19
190	836.6	GPRS-4	Right	/	27.19	28.5	0.032	0.04	0.17
190	836.6	GPRS-4	Bottom	/	27.19	28.5	0.127	0.17	0.03
190	836.6	GPRS-4	Rear	B2	27.19	28.5	0.133	0.18	0.05
Body-Worn Test Data (15mm) - Power level C1/D1									
190	836.6	GPRS-4	Front	/	27.19	28.5	0.046	0.06	0.02
190	836.6	GPRS-4	Rear	/	27.19	28.5	0.078	0.11	-0.03

Table 13.3: SAR Values (GSM 850 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
190	836.6	Speech	Left Cheek	/	31.30	32.0	0.422	0.50	0.11
190	836.6	Speech	Left Tilt	/	31.30	32.0	0.375	0.44	0.08
190	836.6	Speech	Right Cheek	1	31.30	32.0	0.661	0.78	0.09
190	836.6	Speech	Right Tilt	/	31.30	32.0	0.428	0.50	-0.09
190	836.6	Speech	Right Cheek	B2	31.30	32.0	0.648	0.76	0.05

Table 13.4: SAR Values (GSM 850 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
190	836.6	GPRS-4	Front	/	27.19	28.5	0.121	0.16	0.03
190	836.6	GPRS-4	Rear	/	27.19	28.5	0.136	0.18	0.05
190	836.6	GPRS-4	Left	/	27.19	28.5	0.115	0.16	0.16
190	836.6	GPRS-4	Right	/	27.19	28.5	0.095	0.13	0.03
190	836.6	GPRS-4	Top	/	27.19	28.5	0.111	0.15	0.03
190	836.6	GPRS-4	Rear	B2	27.19	28.5	0.122	0.16	0.08
Body-Worn Test Data (15mm) - Power level C1/D1									
190	836.6	GPRS-4	Front	/	27.19	28.5	0.100	0.13	0.04
190	836.6	GPRS-4	Rear	3	27.19	28.5	0.104	0.14	0.06



Table 13.5: SAR Values (GSM 1900 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
661	1880.0	Speech	Left Cheek	/	29.56	30.5	0.086	0.11	0.03
661	1880.0	Speech	Left Tilt	/	29.56	30.5	0.035	0.04	0.09
661	1880.0	Speech	Right Cheek	/	29.56	30.5	0.048	0.06	0.09
661	1880.0	Speech	Right Tilt	/	29.56	30.5	0.054	0.07	0.10
661	1880.0	Speech	Left Cheek	B2	29.56	30.5	0.075	0.09	0.03

Table 13.6: SAR Values (GSM 1900 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
661	1880.0	GPRS-4	Front	/	24.35	25.5	0.228	0.30	-0.12
661	1880.0	GPRS-4	Rear	/	24.35	25.5	0.377	0.49	0.01
661	1880.0	GPRS-4	Left	/	24.35	25.5	0.083	0.11	0.08
661	1880.0	GPRS-4	Right	/	24.35	25.5	0.092	0.12	0.11
661	1880.0	GPRS-4	Bottom	/	24.35	25.5	0.480	0.63	0.13
661	1880.0	GPRS-4	Bottom	B2	24.35	25.5	0.399	0.52	0.03
Body-Worn Test Data (15mm) - Power level C1/D1									
661	1880.0	GPRS-4	Front	/	24.35	25.5	0.124	0.16	0.04
661	1880.0	GPRS-4	Rear	/	24.35	25.5	0.195	0.25	-0.04



Table 13.7: SAR Values (GSM 1900 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1									
661	1880.0	Speech	Left Cheek	/	27.13	27.5	0.562	0.61	-0.04
661	1880.0	Speech	Left Tilt	/	27.13	27.5	0.673	0.73	-0.05
661	1880.0	Speech	Right Cheek	/	27.13	27.5	0.640	0.70	-0.14
661	1880.0	Speech	Right Tilt	4	27.13	27.5	0.726	0.79	0.02
661	1880.0	Speech	Right Tilt	B2	27.13	27.5	0.715	0.78	0.09
Power level B1									
661	1880.0	Speech	Left Cheek	/	26.40	26.5	0.378	0.39	0.04
661	1880.0	Speech	Left Tilt	/	26.40	26.5	0.452	0.46	0.07
661	1880.0	Speech	Right Cheek	/	26.40	26.5	0.430	0.44	-0.09
661	1880.0	Speech	Right Tilt	/	26.40	26.5	0.611	0.63	-0.02



Table 13.8: SAR Values (GSM 1900 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1									
661	1880.0	GPRS-4	Front	/	24.51	25.5	0.322	0.40	0.01
661	1880.0	GPRS-4	Rear	/	24.51	25.5	0.506	0.64	0.17
661	1880.0	GPRS-4	Left	/	24.51	25.5	0.060	0.07	0.03
661	1880.0	GPRS-4	Right	/	24.51	25.5	0.035	0.04	0.07
661	1880.0	GPRS-4	Top	5	24.51	25.5	0.901	1.13	0.03
810	1909.8	GPRS-4	Top	/	24.77	25.5	0.900	1.06	0.05
512	1850.2	GPRS-4	Top	/	24.33	25.5	0.833	1.09	0.06
661	1880.0	GPRS-4	Top	SIM2	24.51	25.5	0.894	1.12	0.01
661	1880.0	GPRS-4	Top	B2	24.51	25.5	0.887	1.11	0.06
Body-Worn Test Data (15mm) - Power level C1									
661	1880.0	GPRS-4	Front	/	24.51	25.5	0.169	0.21	0.01
661	1880.0	GPRS-4	Rear	6	24.51	25.5	0.245	0.31	0.04
Hotspot Test Data (10mm) - Power level D1									
661	1880.0	GPRS-4	Front	/	24.12	25.0	0.248	0.30	0.02
661	1880.0	GPRS-4	Rear	/	24.12	25.0	0.390	0.48	0.01
661	1880.0	GPRS-4	Left	/	24.12	25.0	0.046	0.06	-0.08
661	1880.0	GPRS-4	Right	/	24.12	25.0	0.027	0.03	0.09
661	1880.0	GPRS-4	Top	/	24.12	25.0	0.693	0.85	-0.11
810	1909.8	GPRS-4	Top	/	24.31	25.0	0.694	0.81	-0.03
512	1850.2	GPRS-4	Top	/	23.90	25.0	0.642	0.83	0.09
Body-Worn Test Data (15mm) - Power level D1									
661	1880.0	GPRS-4	Front	/	24.12	25.0	0.130	0.16	0.08
661	1880.0	GPRS-4	Rear	/	24.12	25.0	0.218	0.27	0.09



Table 13.9: SAR Values (WCDMA Band 2 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
9400	1880.0	RMC	Left Cheek	/	23.00	24.0	0.167	0.21	0.05
9400	1880.0	RMC	Left Tilt	/	23.00	24.0	0.106	0.13	0.06
9400	1880.0	RMC	Right Cheek	/	23.00	24.0	0.098	0.12	0.08
9400	1880.0	RMC	Right Tilt	/	23.00	24.0	0.117	0.15	0.08
9400	1880.0	RMC	Left Cheek	B2	23.00	24.0	0.144	0.18	0.03

Table 13.10: SAR Values WCDMA Band 2 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1									
9400	1880.0	RMC	Front	/	22.50	23.5	0.389	0.49	0.04
9400	1880.0	RMC	Rear	/	22.50	23.5	0.656	0.83	0.14
9400	1880.0	RMC	Left	/	22.50	23.5	0.139	0.17	0.19
9400	1880.0	RMC	Right	/	22.50	23.5	0.154	0.19	0.02
9400	1880.0	RMC	Bottom	/	22.50	23.5	0.761	0.96	0.04
9538	1908.0	RMC	Bottom	/	22.50	23.5	0.756	0.95	-0.10
9262	1852.4	RMC	Bottom	/	22.50	23.5	0.729	0.92	-0.12
9400	1880.0	RMC	Bottom	B2	22.50	23.5	0.652	0.82	0.03
Body-Worn Test Data (15mm) - Power level C1									
9400	1880.0	RMC	Front	/	22.50	23.5	0.241	0.30	0.07
9400	1880.0	RMC	Rear	9	22.50	23.5	0.380	0.48	0.14
Hotspot Test Data (10mm) - Power level D1									
9400	1880.0	RMC	Front	/	21.90	23.0	0.328	0.42	0.03
9400	1880.0	RMC	Rear	/	21.90	23.0	0.553	0.71	-0.18
9400	1880.0	RMC	Left	/	21.90	23.0	0.117	0.15	0.03
9400	1880.0	RMC	Right	/	21.90	23.0	0.130	0.17	0.15
9400	1880.0	RMC	Bottom	/	21.90	23.0	0.641	0.83	-0.08
9538	1908.0	RMC	Bottom	/	21.90	23.0	0.637	0.82	0.06
9262	1852.4	RMC	Bottom	/	21.90	23.0	0.614	0.79	-0.06
Body-Worn Test Data (15mm) - Power level D1									
9400	1880.0	RMC	Front	/	21.90	23.0	0.203	0.26	0.09
9400	1880.0	RMC	Rear	/	21.90	23.0	0.320	0.41	0.11



Table 13.11: SAR Values (WCDMA Band 2 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1									
9400	1880.0	RMC	Left Cheek	/	17.30	17.5	0.487	0.51	0.03
9400	1880.0	RMC	Left Tilt	/	17.30	17.5	0.591	0.62	0.02
9400	1880.0	RMC	Right Cheek	/	17.30	17.5	0.564	0.59	-0.06
9400	1880.0	RMC	Right Tilt	/	17.30	17.5	0.816	0.85	0.05
9538	1908.0	RMC	Right Tilt	/	17.20	17.5	0.647	0.69	0.03
9262	1852.4	RMC	Right Tilt	7	17.40	17.5	0.857	0.88	0.03
9262	1852.4	RMC	Right Tilt	B2	17.40	17.5	0.844	0.86	0.07
Power level B1									
9400	1880.0	RMC	Left Cheek	/	16.60	17.0	0.417	0.46	0.04
9400	1880.0	RMC	Left Tilt	/	16.60	17.0	0.505	0.55	0.05
9400	1880.0	RMC	Right Cheek	/	16.60	17.0	0.482	0.53	-0.08
9400	1880.0	RMC	Right Tilt	/	16.60	17.0	0.698	0.77	0.07



Table 13.12: SAR Values WCDMA Band 2 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1									
9400	1880.0	RMC	Front	/	21.00	21.5	0.447	0.50	0.02
9400	1880.0	RMC	Rear	/	21.00	21.5	0.648	0.73	0.04
9400	1880.0	RMC	Left	/	21.00	21.5	0.070	0.08	0.13
9400	1880.0	RMC	Right	/	21.00	21.5	0.047	0.05	0.09
9400	1880.0	RMC	Top	/	21.00	21.5	0.824	0.92	0.11
9538	1908.0	RMC	Top	/	21.00	21.5	0.795	0.89	0.04
9262	1852.4	RMC	Top	8	21.10	21.5	0.898	0.98	0.10
9262	1852.4	RMC	Top	B2	21.10	21.5	0.882	0.97	0.05
Body-Worn Test Data (15mm) - Power level C1									
9400	1880.0	RMC	Front	/	21.00	21.5	0.217	0.24	0.07
9400	1880.0	RMC	Rear	/	21.00	21.5	0.317	0.36	0.04
Hotspot Test Data (10mm) - Power level D1									
9400	1880.0	RMC	Front	/	20.10	20.5	0.371	0.41	0.15
9400	1880.0	RMC	Rear	/	20.10	20.5	0.538	0.59	0.12
9400	1880.0	RMC	Left	/	20.10	20.5	0.058	0.06	-0.14
9400	1880.0	RMC	Right	/	20.10	20.5	0.039	0.04	-0.10
9400	1880.0	RMC	Top	/	20.10	20.5	0.684	0.75	-0.04
Body-Worn Test Data (15mm) - Power level D1									
9400	1880.0	RMC	Front	/	20.10	20.5	0.180	0.20	-0.02
9400	1880.0	RMC	Rear	/	20.10	20.5	0.263	0.29	-0.10



Table 13.13: SAR Values (WCDMA Band 4 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
1413	1732.6	RMC	Left Cheek	/	23.00	24.0	0.140	0.18	0.04
1413	1732.6	RMC	Left Tilt	/	23.00	24.0	0.082	0.10	0.12
1413	1732.6	RMC	Right Cheek	/	23.00	24.0	0.077	0.10	0.09
1413	1732.6	RMC	Right Tilt	/	23.00	24.0	0.070	0.09	0.14
1413	1732.6	RMC	Left Cheek	B2	23.00	24.0	0.133	0.17	0.00

Table 13.14: SAR Values WCDMA Band 4 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1									
1413	1732.6	RMC	Front	/	22.50	23.5	0.327	0.41	0.08
1413	1732.6	RMC	Rear	/	22.50	23.5	0.483	0.61	0.13
1413	1732.6	RMC	Left	/	22.50	23.5	0.100	0.13	0.02
1413	1732.6	RMC	Right	/	22.50	23.5	0.165	0.21	0.06
1413	1732.6	RMC	Bottom	/	22.50	23.5	0.664	0.84	-0.17
1413	1732.6	RMC	Bottom	B2	22.50	23.5	0.546	0.69	-0.17
Body-Worn Test Data (15mm) - Power level C1									
1413	1732.6	RMC	Front	/	22.50	23.5	0.300	0.38	0.04
1413	1732.6	RMC	Rear	12	22.50	23.5	0.417	0.52	0.12
1413	1732.6	RMC	Rear	SIM2	22.50	23.5	0.399	0.50	0.03
Hotspot Test Data (10mm) - Power level D1									
1413	1732.6	RMC	Front	/	21.70	23.0	0.270	0.36	0.06
1413	1732.6	RMC	Rear	/	21.70	23.0	0.399	0.54	0.04
1413	1732.6	RMC	Left	/	21.70	23.0	0.083	0.11	0.11
1413	1732.6	RMC	Right	/	21.70	23.0	0.136	0.18	-0.07
1413	1732.6	RMC	Bottom	/	21.70	23.0	0.548	0.74	-0.06
Body-Worn Test Data (15mm) - Power level D1									
1413	1732.6	RMC	Front	/	21.70	23.0	0.248	0.33	0.07
1413	1732.6	RMC	Rear	/	21.70	23.0	0.344	0.46	0.05



Table 13.15: SAR Values (WCDMA Band 4 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
1413	1732.6	RMC	Left Cheek	/	15.70	16.5	0.495	0.60	-0.09
1413	1732.6	RMC	Left Tilt	/	15.70	16.5	0.571	0.69	-0.08
1413	1732.6	RMC	Right Cheek	/	15.70	16.5	0.632	0.76	-0.18
1413	1732.6	RMC	Right Tilt	/	15.70	16.5	0.697	0.84	0.04
1513	1752.6	RMC	Right Tilt	10	15.60	16.5	0.864	1.06	0.05
1312	1712.4	RMC	Right Tilt	/	15.80	16.5	0.654	0.77	-0.11
1513	1752.6	RMC	Right Tilt	B2	15.60	16.5	0.850	1.05	-0.02



Table 13.16: SAR Values WCDMA Band 4 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1									
1413	1732.6	RMC	Front	/	20.30	21.0	0.524	0.62	0.04
1413	1732.6	RMC	Rear	/	20.30	21.0	0.738	0.87	0.02
1413	1732.6	RMC	Left	/	20.30	21.0	0.081	0.10	0.14
1413	1732.6	RMC	Right	/	20.30	21.0	0.080	0.09	0.06
1413	1732.6	RMC	Top	/	20.30	21.0	0.766	0.90	0.01
1513	1752.6	RMC	Rear	/	20.20	21.0	0.778	0.94	0.10
1312	1712.4	RMC	Rear	/	20.30	21.0	0.649	0.76	-0.01
1513	1752.6	RMC	Top	11	20.20	21.0	0.803	0.97	0.01
1312	1712.4	RMC	Top	/	20.30	21.0	0.655	0.77	0.11
1513	1752.6	RMC	Top	B2	20.20	21.0	0.793	0.95	0.08
Body-Worn Test Data (15mm) - Power level C1									
1413	1732.6	RMC	Front	/	20.30	21.0	0.255	0.30	0.03
1413	1732.6	RMC	Rear	/	20.30	21.0	0.367	0.43	0.02
Hotspot Test Data (10mm) - Power level D1									
1413	1732.6	RMC	Front	/	19.80	20.5	0.478	0.56	-0.12
1413	1732.6	RMC	Rear	/	19.80	20.5	0.674	0.79	-0.08
1413	1732.6	RMC	Left	/	19.80	20.5	0.074	0.09	0.04
1413	1732.6	RMC	Right	/	19.80	20.5	0.073	0.09	-0.14
1413	1732.6	RMC	Top	/	19.80	20.5	0.699	0.82	-0.06
1513	1752.6	RMC	Top	/	19.70	20.5	0.733	0.88	0.06
1312	1712.4	RMC	Top	/	19.80	20.5	0.598	0.70	0.05
Body-Worn Test Data (15mm) - Power level D1									
1413	1732.6	RMC	Front	/	19.80	20.5	0.233	0.27	0.07
1413	1732.6	RMC	Rear	/	19.80	20.5	0.335	0.39	-0.06



Table 13.17: SAR Values (WCDMA Band 5 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
4183	836.6	RMC	Left Cheek	/	23.60	24.5	0.070	0.09	0.06
4183	836.6	RMC	Left Tilt	/	23.60	24.5	0.033	0.04	0.01
4183	836.6	RMC	Right Cheek	/	23.60	24.5	0.055	0.07	0.03
4183	836.6	RMC	Right Tilt	/	23.60	24.5	0.030	0.04	0.09
4183	836.6	RMC	Left Cheek	B2	23.60	24.5	0.060	0.07	0.06

Table 13.18: SAR Values WCDMA Band 5 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
4183	836.6	RMC	Front	/	23.60	24.5	0.088	0.11	-0.01
4183	836.6	RMC	Rear	/	23.60	24.5	0.140	0.17	0.06
4183	836.6	RMC	Left	/	23.60	24.5	0.091	0.11	0.09
4183	836.6	RMC	Right	/	23.60	24.5	0.040	0.05	0.12
4183	836.6	RMC	Top	/	23.60	24.5	0.128	0.16	-0.14
4183	836.6	RMC	Rear	B2	23.60	24.5	0.112	0.14	0.03
Body-Worn Test Data (15mm) - Power level C1/D1									
4183	836.6	RMC	Front	/	23.60	24.5	0.054	0.07	0.05
4183	836.6	RMC	Rear	/	23.60	24.5	0.063	0.08	0.04



Table 13.19: SAR Values (WCDMA Band 5 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
4183	836.6	RMC	Left Cheek	/	22.50	23.5	0.421	0.53	0.13
4183	836.6	RMC	Left Tilt	/	22.50	23.5	0.298	0.38	0.02
4183	836.6	RMC	Right Cheek	/	22.50	23.5	0.688	0.87	-0.06
4183	836.6	RMC	Right Tilt	/	22.50	23.5	0.381	0.48	0.09
4233	846.6	RMC	Right Cheek	13	22.40	23.5	0.825	1.06	-0.05
4132	826.4	RMC	Right Cheek	/	22.50	23.5	0.659	0.83	0.07
4233	846.6	RMC	Right Cheek	B2	22.40	23.5	0.811	1.04	0.09

Table 13.20: SAR Values WCDMA Band 5 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
4183	836.6	RMC	Front	/	23.60	24.5	0.110	0.14	-0.01
4183	836.6	RMC	Rear	/	23.60	24.5	0.127	0.16	0.06
4183	836.6	RMC	Left	14	23.60	24.5	0.150	0.18	-0.02
4183	836.6	RMC	Right	/	23.60	24.5	0.071	0.09	0.06
4183	836.6	RMC	Top	/	23.60	24.5	0.118	0.15	0.02
4183	836.6	RMC	Left	B2	23.60	24.5	0.141	0.17	-0.08
Body-Worn Test Data (15mm) - Power level C1/D1									
4183	836.6	RMC	Front	/	23.60	24.5	0.089	0.11	0.04
4183	836.6	RMC	Rear	15	23.60	24.5	0.111	0.14	-0.02



Table 13.21: SAR Values (LTE Band 2 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
18900	1880.0	1RB50	Left Cheek	/	22.80	23.5	0.146	0.17	0.07
18900	1880.0	50RB25	Left Cheek	/	21.79	22.5	0.118	0.14	0.08
18900	1880.0	1RB50	Left Tilt	/	22.80	23.5	0.075	0.09	0.03
18900	1880.0	50RB25	Left Tilt	/	21.79	22.5	0.058	0.07	0.13
18900	1880.0	1RB50	Right Cheek	/	22.80	23.5	0.089	0.10	0.01
18900	1880.0	50RB25	Right Cheek	/	21.79	22.5	0.067	0.08	0.03
18900	1880.0	1RB50	Right Tilt	/	22.80	23.5	0.104	0.12	0.05
18900	1880.0	50RB25	Right Tilt	/	21.79	22.5	0.083	0.10	0.13
18900	1880.0	1RB50	Left Cheek	B2	22.80	23.5	0.113	0.13	0.03



Table 13.22: SAR Values (LTE Band 2 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1									
18900	1880.0	1RB50	Front	/	22.80	23.5	0.364	0.43	0.06
18900	1880.0	50RB25	Front	/	21.79	22.5	0.275	0.32	-0.09
18900	1880.0	1RB50	Rear	/	22.80	23.5	0.632	0.74	0.11
18900	1880.0	50RB25	Rear	/	21.79	22.5	0.478	0.56	0.17
18900	1880.0	1RB50	Left	/	22.80	23.5	0.143	0.17	0.08
18900	1880.0	50RB25	Left	/	21.79	22.5	0.111	0.13	0.01
18900	1880.0	1RB50	Right	/	22.80	23.5	0.155	0.18	0.02
18900	1880.0	50RB25	Right	/	21.79	22.5	0.120	0.14	0.02
18900	1880.0	1RB50	Bottom	17	22.80	23.5	0.779	0.92	-0.12
18900	1880.0	50RB25	Bottom	/	21.79	22.5	0.603	0.71	-0.13
18900	1880.0	1RB50	Bottom	/	22.70	23.5	0.752	0.90	-0.03
18900	1880.0	1RB50	Bottom	/	22.77	23.5	0.725	0.86	-0.05
18900	1880.0	100RB0	Bottom	/	21.76	22.5	0.599	0.71	0.05
18900	1880.0	1RB50	Bottom	B2	22.80	23.5	0.753	0.88	0.03
Body-Worn Test Data (15mm) - Power level C1									
18900	1880.0	1RB50	Front	/	22.80	23.5	0.205	0.24	0.03
18900	1880.0	50RB25	Front	/	21.79	22.5	0.160	0.19	0.05
18900	1880.0	1RB50	Rear	18	22.80	23.5	0.324	0.38	-0.08
18900	1880.0	50RB25	Rear	/	21.79	22.5	0.246	0.29	0.13
Hotspot Test Data (10mm) - Power level D1									
18900	1880.0	1RB50	Front	/	22.30	23.0	0.300	0.35	0.12
18900	1880.0	50RB25	Front	/	21.76	22.5	0.226	0.27	-0.13
18900	1880.0	1RB50	Rear	/	22.30	23.0	0.520	0.61	-0.08
18900	1880.0	50RB25	Rear	/	21.76	22.5	0.393	0.47	-0.03
18900	1880.0	1RB50	Left	/	22.30	23.0	0.118	0.14	0.02
18900	1880.0	50RB25	Left	/	21.76	22.5	0.091	0.11	-0.07
18900	1880.0	1RB50	Right	/	22.30	23.0	0.128	0.15	-0.15
18900	1880.0	50RB25	Right	/	21.76	22.5	0.099	0.12	-0.09
18900	1880.0	1RB50	Bottom	/	22.30	23.0	0.641	0.75	-0.15
18900	1880.0	50RB25	Bottom	/	21.76	22.5	0.496	0.59	0.07
Body-Worn Test Data (15mm) - Power level D1									
18900	1880.0	1RB50	Front	/	22.30	23.0	0.169	0.20	0.17
18900	1880.0	50RB25	Front	/	21.76	22.5	0.132	0.16	0.15
18900	1880.0	1RB50	Rear	/	22.30	23.0	0.267	0.31	0.09
18900	1880.0	50RB25	Rear	/	21.76	22.5	0.202	0.24	-0.10



Table 13.23: SAR Values (LTE Band 2 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1									
18900	1880.0	1RB50	Left Cheek	/	16.96	17.5	0.503	0.57	0.05
18900	1880.0	50RB0	Left Cheek	/	17.08	17.5	0.543	0.60	0.06
18900	1880.0	1RB50	Left Tilt	/	16.96	17.5	0.619	0.70	-0.07
18900	1880.0	50RB0	Left Tilt	/	17.08	17.5	0.640	0.70	-0.02
18900	1880.0	1RB50	Right Cheek	/	16.96	17.5	0.554	0.63	-0.09
18900	1880.0	50RB0	Right Cheek	/	17.08	17.5	0.602	0.66	0.03
18900	1880.0	1RB50	Right Tilt	/	16.96	17.5	0.774	0.88	0.01
18900	1880.0	50RB0	Right Tilt	16	17.08	17.5	0.863	0.95	0.00
19100	1900.0	1RB50	Right Tilt	/	16.87	17.5	0.761	0.88	0.01
18700	1860.0	1RB50	Right Tilt	/	16.88	17.5	0.813	0.94	0.00
19100	1900.0	50RB25	Right Tilt	/	16.91	17.5	0.725	0.83	0.03
18700	1860.0	50RB25	Right Tilt	/	16.93	17.5	0.819	0.93	0.15
18900	1880.0	100RB0	Right Tilt	/	17.03	17.5	0.826	0.92	0.02
18900	1880.0	50RB0	Right Tilt	B2	17.08	17.5	0.851	0.94	0.09
Power level B1									
18900	1880.0	1RB50	Left Cheek	/	16.38	17.0	0.447	0.52	0.09
18900	1880.0	50RB0	Left Cheek	/	16.52	17.0	0.483	0.54	0.05
18900	1880.0	1RB50	Left Tilt	/	16.38	17.0	0.550	0.63	0.10
18900	1880.0	50RB0	Left Tilt	/	16.52	17.0	0.569	0.64	0.15
18900	1880.0	1RB50	Right Cheek	/	16.38	17.0	0.492	0.57	0.08
18900	1880.0	50RB0	Right Cheek	/	16.52	17.0	0.535	0.60	-0.01
18900	1880.0	1RB50	Right Tilt	/	16.38	17.0	0.688	0.79	0.00
18900	1880.0	50RB0	Right Tilt	/	16.52	17.0	0.767	0.86	0.03
19100	1900.0	50RB25	Right Tilt	/	16.35	17.0	0.644	0.75	0.03
18700	1860.0	50RB25	Right Tilt	/	16.42	17.0	0.728	0.83	0.02
18900	1880.0	100RB	Right Tilt	/	16.48	17.0	0.734	0.83	0.08



Table 13.24: SAR Values (LTE Band 2 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1									
18900	1880.0	1RB50	Front	/	20.49	21.0	0.335	0.38	0.03
18900	1880.0	50RB0	Front	/	20.61	21.0	0.366	0.40	0.07
18900	1880.0	1RB50	Rear	/	20.49	21.0	0.459	0.52	0.13
18900	1880.0	50RB0	Rear	/	20.61	21.0	0.544	0.60	0.07
18900	1880.0	1RB50	Left	/	20.49	21.0	0.068	0.08	0.09
18900	1880.0	50RB0	Left	/	20.61	21.0	0.072	0.08	0.01
18900	1880.0	1RB50	Right	/	20.49	21.0	0.026	0.03	-0.02
18900	1880.0	50RB0	Right	/	20.61	21.0	0.029	0.03	-0.07
18900	1880.0	1RB50	Top	/	20.49	21.0	0.704	0.79	0.06
18900	1880.0	50RB0	Top	/	20.61	21.0	0.777	0.85	0.05
19100	1900.0	50RB25	Top	/	20.42	21.0	0.650	0.74	0.02
18700	1860.0	50RB25	Top	/	20.45	21.0	0.715	0.81	0.01
18900	1880.0	100RB0	Top	/	20.55	21.0	0.701	0.78	0.03
18900	1880.0	50RB0	Top	B2	20.61	21.0	0.765	0.84	0.05
Body-Worn Test Data (15mm) - Power level C1									
18900	1880.0	1RB50	Front	/	20.49	21.0	0.156	0.18	0.10
18900	1880.0	50RB0	Front	/	20.61	21.0	0.171	0.19	0.03
18900	1880.0	1RB50	Rear	/	20.49	21.0	0.214	0.24	-0.06
18900	1880.0	50RB0	Rear	/	20.61	21.0	0.254	0.28	-0.04
Hotspot Test Data (10mm) - Power level D1									
18900	1880.0	1RB50	Front	/	20.08	20.5	0.308	0.34	0.02
18900	1880.0	50RB0	Front	/	20.11	20.5	0.337	0.37	0.16
18900	1880.0	1RB50	Rear	/	20.08	20.5	0.422	0.46	-0.02
18900	1880.0	50RB0	Rear	/	20.11	20.5	0.501	0.55	0.18
18900	1880.0	1RB50	Left	/	20.08	20.5	0.063	0.07	-0.17
18900	1880.0	50RB0	Left	/	20.11	20.5	0.066	0.07	-0.17
18900	1880.0	1RB50	Right	/	20.08	20.5	0.024	0.03	0.04
18900	1880.0	50RB0	Right	/	20.11	20.5	0.027	0.03	0.14
18900	1880.0	1RB50	Top	/	20.08	20.5	0.648	0.71	-0.05
18900	1880.0	50RB0	Top	/	20.11	20.5	0.715	0.78	-0.02
Body-Worn Test Data (15mm) - Power level D1									
18900	1880.0	1RB50	Front	/	20.08	20.5	0.144	0.16	-0.05
18900	1880.0	50RB0	Front	/	20.11	20.5	0.157	0.17	-0.02
18900	1880.0	1RB50	Rear	/	20.08	20.5	0.197	0.22	-0.17
18900	1880.0	50RB0	Rear	/	20.11	20.5	0.234	0.26	0.03



Table 13.25: SAR Values (LTE Band 4 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
20300	1745.0	1RB50	Left Cheek	/	22.73	23.5	0.095	0.11	0.03
20300	1745.0	50RB25	Left Cheek	/	21.68	22.5	0.076	0.09	0.03
20300	1745.0	1RB50	Left Tilt	/	22.73	23.5	0.048	0.06	0.04
20300	1745.0	50RB25	Left Tilt	/	21.68	22.5	0.038	0.05	0.12
20300	1745.0	1RB50	Right Cheek	/	22.73	23.5	0.050	0.06	0.09
20300	1745.0	50RB25	Right Cheek	/	21.68	22.5	0.039	0.05	0.04
20300	1745.0	1RB50	Right Tilt	/	22.73	23.5	0.045	0.05	0.12
20300	1745.0	50RB25	Right Tilt	/	21.68	22.5	0.030	0.04	0.09
20300	1745.0	1RB50	Left Cheek	B2	22.73	23.5	0.086	0.10	0.04

Table 13.26: SAR Values (LTE Band 4 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
20300	1745.0	1RB50	Front	/	22.73	23.5	0.324	0.39	0.10
20300	1745.0	50RB25	Front	/	21.68	22.5	0.246	0.30	0.11
20300	1745.0	1RB50	Rear	/	22.73	23.5	0.489	0.58	0.10
20300	1745.0	50RB25	Rear	/	21.68	22.5	0.388	0.47	0.02
20300	1745.0	1RB50	Left	/	22.73	23.5	0.112	0.13	0.05
20300	1745.0	50RB25	Left	/	21.68	22.5	0.089	0.11	0.09
20300	1745.0	1RB50	Right	/	22.73	23.5	0.149	0.18	0.03
20300	1745.0	50RB25	Right	/	21.68	22.5	0.118	0.14	0.02
20300	1745.0	1RB50	Bottom	/	22.73	23.5	0.688	0.82	-0.09
20300	1745.0	50RB25	Bottom	/	21.68	22.5	0.560	0.68	-0.16
20175	1732.5	1RB50	Bottom	/	22.62	23.5	0.722	0.88	-0.09
20050	1720.0	1RB50	Bottom	20	22.65	23.5	0.739	0.90	-0.08
20300	1745.0	100RB	Bottom	/	21.60	22.5	0.559	0.69	-0.08
20050	1720.0	1RB50	Bottom	B2	22.65	23.5	0.701	0.85	0.00
Body-Worn Test Data (15mm) - Power level C1/D1									
20300	1745.0	1RB50	Front	/	22.73	23.5	0.148	0.18	0.11
20300	1745.0	50RB25	Front	/	21.68	22.5	0.147	0.18	0.19
20300	1745.0	1RB50	Rear	/	22.73	23.5	0.280	0.33	0.07
20300	1745.0	50RB25	Rear	/	21.68	22.5	0.219	0.26	0.16



Table 13.27: SAR Values (LTE Band 4 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1									
20050	1720.0	1RB50	Left Cheek	/	16.00	16.5	0.586	0.66	0.06
20175	1732.5	50RB50	Left Cheek	/	16.10	16.5	0.601	0.66	0.03
20050	1720.0	1RB50	Left Tilt	/	16.00	16.5	0.653	0.73	0.05
20175	1732.5	50RB50	Left Tilt	/	16.10	16.5	0.672	0.74	0.03
20050	1720.0	1RB50	Right Cheek	/	16.00	16.5	0.682	0.77	0.02
20175	1732.5	50RB50	Right Cheek	/	16.10	16.5	0.794	0.87	-0.03
20050	1720.0	1RB50	Right Tilt	/	16.00	16.5	0.725	0.81	0.10
20175	1732.5	50RB50	Right Tilt	/	16.10	16.5	0.935	1.03	0.05
20300	1745.0	50RB25	Right Cheek	/	15.91	16.5	0.701	0.80	0.14
20050	1720.0	50RB0	Right Cheek	/	16.09	16.5	0.664	0.73	0.02
20300	1745.0	1RB50	Right Tilt	/	15.93	16.5	0.813	0.93	-0.07
20175	1732.5	1RB50	Right Tilt	/	15.96	16.5	0.759	0.86	0.02
20300	1745.0	50RB25	Right Tilt	19	15.91	16.5	0.962	1.10	-0.02
20050	1720.0	50RB0	Right Tilt	/	16.09	16.5	0.747	0.82	0.03
20175	1732.5	100RB0	Right Tilt	/	16.02	16.5	0.709	0.79	-0.02
20300	1745.0	50RB25	Right Tilt	SIM2	15.91	16.5	0.953	1.09	0.08
20300	1745.0	50RB25	Right Tilt	B2	15.91	16.5	0.949	1.09	0.01
Power level B1									
20050	1720.0	1RB50	Left Cheek	/	15.06	15.5	0.484	0.54	0.12
20175	1732.5	50RB50	Left Cheek	/	15.10	15.5	0.496	0.54	0.01
20050	1720.0	1RB50	Left Tilt	/	15.06	15.5	0.539	0.60	-0.08
20175	1732.5	50RB50	Left Tilt	/	15.10	15.5	0.555	0.61	0.00
20050	1720.0	1RB50	Right Cheek	/	15.06	15.5	0.563	0.62	0.03
20175	1732.5	50RB50	Right Cheek	/	15.10	15.5	0.655	0.72	0.18
20050	1720.0	1RB50	Right Tilt	/	15.06	15.5	0.598	0.66	-0.04
20175	1732.5	50RB50	Right Tilt	/	15.10	15.5	0.773	0.85	0.06
20300	1745.0	50RB25	Right Tilt	/	15.01	15.5	0.794	0.89	-0.01
20050	1720.0	50RB0	Right Tilt	/	15.10	15.5	0.617	0.68	0.15
20175	1732.5	100RB0	Right Tilt	/	15.08	15.5	0.585	0.64	0.03



Table 13.28: SAR Values (LTE Band 4 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1									
20175	1732.5	1RB50	Front	/	20.14	20.5	0.499	0.54	0.02
20175	1732.5	50RB50	Front	/	20.19	20.5	0.510	0.55	-0.02
20175	1732.5	1RB50	Rear	/	20.14	20.5	0.677	0.74	0.01
20175	1732.5	50RB50	Rear	/	20.19	20.5	0.692	0.74	0.07
20175	1732.5	1RB50	Left	/	20.14	20.5	0.079	0.09	0.08
20175	1732.5	50RB50	Left	/	20.19	20.5	0.080	0.09	0.03
20175	1732.5	1RB50	Right	/	20.14	20.5	0.063	0.07	0.02
20175	1732.5	50RB50	Right	/	20.19	20.5	0.063	0.07	0.08
20175	1732.5	1RB50	Top	/	20.14	20.5	0.710	0.77	0.01
20175	1732.5	50RB50	Top	/	20.19	20.5	0.728	0.78	0.03
20175	1732.5	50RB50	Top	B2	20.19	20.5	0.712	0.76	0.05
Body-Worn Test Data (15mm) - Power level C1									
20175	1732.5	1RB50	Front	/	20.14	20.5	0.249	0.27	0.01
20175	1732.5	50RB50	Front	/	20.19	20.5	0.249	0.27	0.09
20175	1732.5	1RB50	Rear	/	20.14	20.5	0.326	0.35	0.08
20175	1732.5	50RB50	Rear	21	20.19	20.5	0.328	0.35	0.05
Hotspot Test Data (10mm) - Power level D1									
20175	1732.5	1RB50	Front	/	19.55	20.0	0.440	0.49	-0.03
20175	1732.5	50RB50	Front	/	19.68	20.0	0.450	0.48	0.07
20175	1732.5	1RB50	Rear	/	19.55	20.0	0.597	0.66	0.08
20175	1732.5	50RB50	Rear	/	19.68	20.0	0.611	0.66	0.14
20175	1732.5	1RB50	Left	/	19.55	20.0	0.070	0.08	0.16
20175	1732.5	50RB50	Left	/	19.68	20.0	0.071	0.08	0.12
20175	1732.5	1RB50	Right	/	19.55	20.0	0.056	0.06	0.06
20175	1732.5	50RB50	Right	/	19.68	20.0	0.056	0.06	0.08
20175	1732.5	1RB50	Top	/	19.55	20.0	0.626	0.69	0.01
20175	1732.5	50RB50	Top	/	19.68	20.0	0.691	0.74	-0.09
Body-Worn Test Data (15mm) - Power level D1									
20175	1732.5	1RB50	Front	/	19.55	20.0	0.220	0.27	0.12
20175	1732.5	50RB50	Front	/	19.68	20.0	0.220	0.27	-0.17
20175	1732.5	1RB50	Rear	/	19.55	20.0	0.288	0.35	0.07
20175	1732.5	50RB50	Rear	/	19.68	20.0	0.289	0.35	-0.04



Table 13.29: SAR Values (LTE Band 5 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1/A2/B2									
20525	836.5	1RB24	Left Cheek	/	23.56	24.5	0.075	0.09	0.02
20525	836.5	25RB25	Left Cheek	/	22.56	23.5	0.061	0.08	0.01
20525	836.5	1RB24	Left Tilt	/	23.56	24.5	0.037	0.05	0.04
20525	836.5	25RB25	Left Tilt	/	22.56	23.5	0.030	0.04	0.09
20525	836.5	1RB24	Right Cheek	/	23.56	24.5	0.063	0.08	0.08
20525	836.5	25RB25	Right Cheek	/	22.56	23.5	0.051	0.06	0.09
20525	836.5	1RB24	Right Tilt	/	23.56	24.5	0.034	0.04	0.03
20525	836.5	25RB25	Right Tilt	/	22.56	23.5	0.027	0.03	0.04
20525	836.5	1RB24	Left Cheek	B2	23.56	24.5	0.070	0.09	0.04

Table 13.30: SAR Values (LTE Band 5 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1/C2/D2									
20525	836.5	1RB24	Front	/	23.56	24.5	0.079	0.10	0.01
20525	836.5	25RB25	Front	/	22.56	23.5	0.065	0.08	0.02
20525	836.5	1RB24	Rear	23	23.56	24.5	0.133	0.17	0.04
20525	836.5	25RB25	Rear	/	22.56	23.5	0.103	0.13	0.07
20525	836.5	1RB24	Left	/	23.56	24.5	0.098	0.12	0.09
20525	836.5	25RB25	Left	/	22.56	23.5	0.076	0.09	0.08
20525	836.5	1RB24	Right	/	23.56	24.5	0.039	0.05	0.01
20525	836.5	25RB25	Right	/	22.56	23.5	0.030	0.04	0.10
20525	836.5	1RB24	Bottom	/	23.56	24.5	0.117	0.15	-0.05
20525	836.5	25RB25	Bottom	/	22.56	23.5	0.096	0.12	-0.04
20525	836.5	1RB24	Rear	B2	23.56	24.5	0.102	0.13	0.03
Body-Worn Test Data (15mm) - Power level C1/D1/C2/D2									
20525	836.5	1RB24	Front	/	23.56	24.5	0.038	0.05	-0.18
20525	836.5	25RB25	Front	/	22.56	23.5	0.031	0.04	0.13
20525	836.5	1RB24	Rear	/	23.56	24.5	0.064	0.08	-0.02
20525	836.5	25RB25	Rear	/	22.56	23.5	0.050	0.06	0.01



Table 13.31: SAR Values (LTE Band 5 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1									
20450	829.0	1RB49	Left Cheek	/	23.67	24.5	0.502	0.61	-0.01
20525	836.5	25RB25	Left Cheek	/	22.64	23.5	0.434	0.53	-0.18
20450	829.0	1RB49	Left Tilt	/	23.67	24.5	0.369	0.45	-0.19
20525	836.5	25RB25	Left Tilt	/	22.64	23.5	0.324	0.39	-0.11
20450	829.0	1RB49	Right Cheek	22	23.67	24.5	0.651	0.79	0.01
20525	836.5	25RB25	Right Cheek	/	22.64	23.5	0.649	0.79	0.06
20450	829.0	1RB49	Right Tilt	/	23.67	24.5	0.497	0.60	0.01
20525	836.5	25RB25	Right Tilt	/	22.64	23.5	0.455	0.55	0.09
20450	829.0	1RB49	Right Cheek	B2	23.67	24.5	0.639	0.77	0.01
Power level B1									
20450	829.0	1RB49	Left Cheek	/	23.17	24.0	0.467	0.57	0.01
20525	836.5	25RB25	Left Cheek	/	22.62	23.5	0.403	0.49	-0.10
20450	829.0	1RB49	Left Tilt	/	23.17	24.0	0.343	0.42	-0.19
20525	836.5	25RB25	Left Tilt	/	22.62	23.5	0.301	0.37	-0.09
20450	829.0	1RB49	Right Cheek	/	23.17	24.0	0.605	0.73	-0.08
20525	836.5	25RB25	Right Cheek	/	22.62	23.5	0.599	0.73	0.05
20450	829.0	1RB49	Right Tilt	/	23.17	24.0	0.462	0.56	0.14
20525	836.5	25RB25	Right Tilt	/	22.62	23.5	0.423	0.52	-0.09
Power level A2									
20450	829.0	1RB49	Left Cheek	/	21.79	23.0	0.410	0.54	-0.14
20525	836.5	25RB25	Left Cheek	/	21.77	23.0	0.354	0.47	-0.04
20450	829.0	1RB49	Left Tilt	/	21.79	23.0	0.301	0.40	0.12
20525	836.5	25RB25	Left Tilt	/	21.77	23.0	0.265	0.35	-0.04
20450	829.0	1RB49	Right Cheek	/	21.79	23.0	0.520	0.69	-0.02
20525	836.5	25RB25	Right Cheek	/	21.77	23.0	0.530	0.70	0.10
20450	829.0	1RB49	Right Tilt	/	21.79	23.0	0.406	0.54	-0.05
20525	836.5	25RB25	Right Tilt	/	21.77	23.0	0.372	0.49	-0.06
Power level B2									
20450	829.0	1RB49	Left Cheek	/	21.27	22.5	0.372	0.49	0.09
20525	836.5	25RB25	Left Cheek	/	21.25	22.5	0.321	0.43	-0.13
20450	829.0	1RB49	Left Tilt	/	21.27	22.5	0.273	0.36	0.08
20525	836.5	25RB25	Left Tilt	/	21.25	22.5	0.241	0.32	0.07
20450	829.0	1RB49	Right Cheek	/	21.27	22.5	0.472	0.63	0.12
20525	836.5	25RB25	Right Cheek	/	21.25	22.5	0.481	0.64	-0.03
20450	829.0	1RB49	Right Tilt	/	21.27	22.5	0.368	0.49	-0.07
20525	836.5	25RB25	Right Tilt	/	21.25	22.5	0.338	0.45	7.00



Table 13.32: SAR Values (LTE Band 5 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C					Liquid Temperature: 22.3°C				
Hotspot Test Data (10mm) - Power level C1/D1/C2/D2									
20450	829.0	1RB49	Front	/	23.67	24.5	0.101	0.12	0.02
20525	836.5	25RB25	Front	/	22.64	23.5	0.087	0.11	0.05
20450	829.0	1RB49	Rear	/	23.67	24.5	0.132	0.16	0.09
20525	836.5	25RB25	Rear	/	22.64	23.5	0.117	0.14	0.04
20450	829.0	1RB49	Left	/	23.67	24.5	0.110	0.13	-0.01
20525	836.5	25RB25	Left	/	22.64	23.5	0.088	0.11	0.02
20450	829.0	1RB49	Right	/	23.67	24.5	0.080	0.10	-0.02
20525	836.5	25RB25	Right	/	22.64	23.5	0.066	0.08	-0.03
20450	829.0	1RB49	Top	/	23.67	24.5	0.099	0.12	-0.06
20525	836.5	25RB25	Top	/	22.64	23.5	0.087	0.11	-0.03
20450	829.0	1RB49	Rear	B2	23.67	24.5	0.123	0.15	0.04
Body-Worn Test Data (15mm) - Power level C1/D1/C2/D2									
20450	829.0	1RB49	Front	/	23.67	24.5	0.066	0.08	0.01
20525	836.5	25RB25	Front	/	22.64	23.5	0.066	0.08	0.02
20450	829.0	1RB49	Rear	24	23.67	24.5	0.091	0.11	-0.07
20525	836.5	25RB25	Rear	/	22.64	23.5	0.072	0.09	-0.06



Table 13.33: SAR Values (LTE Band 7 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1/A2/B2									
21350	2560.0	1RB50	Left Cheek	/	22.55	23.5	0.154	0.19	0.09
21350	2560.0	50RB25	Left Cheek	/	21.80	22.5	0.126	0.15	0.03
21350	2560.0	1RB50	Left Tilt	/	22.55	23.5	0.131	0.16	0.13
21350	2560.0	50RB25	Left Tilt	/	21.80	22.5	0.108	0.13	0.04
21350	2560.0	1RB50	Right Cheek	/	22.55	23.5	0.311	0.39	0.04
21350	2560.0	50RB25	Right Cheek	/	21.80	22.5	0.261	0.31	0.03
21350	2560.0	1RB50	Right Tilt	/	22.55	23.5	0.112	0.14	0.01
21350	2560.0	50RB25	Right Tilt	/	21.80	22.5	0.094	0.11	0.01
21350	2560.0	1RB50	Right Cheek	B2	22.55	23.5	0.285	0.35	0.03



Table 13.34: SAR Values (LTE Band 7 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C					Liquid Temperature: 22.3°C				
Hotspot Test Data (10mm) - Power level C1/D1									
21350	2560.0	1RB50	Front	/	22.55	23.5	0.412	0.51	0.00
21350	2560.0	50RB25	Front	/	21.80	22.5	0.339	0.40	0.03
21350	2560.0	1RB50	Rear	/	22.55	23.5	0.729	0.91	-0.03
21350	2560.0	50RB25	Rear	/	21.80	22.5	0.549	0.65	-0.07
21350	2560.0	1RB50	Left	/	22.55	23.5	0.062	0.08	0.05
21350	2560.0	50RB25	Left	/	21.80	22.5	0.051	0.06	-0.12
21350	2560.0	1RB50	Right	/	22.55	23.5	0.276	0.34	0.04
21350	2560.0	50RB25	Right	/	21.80	22.5	0.229	0.27	0.01
21350	2560.0	1RB50	Bottom	/	22.55	23.5	0.362	0.45	0.06
21350	2560.0	50RB25	Bottom	/	21.80	22.5	0.278	0.33	-0.07
21100	2535.0	1RB50	Rear	/	22.51	23.5	0.632	0.79	0.04
20850	2510.0	1RB50	Rear	/	22.52	23.5	0.586	0.73	0.03
21350	2560.0	100RB	Rear	/	21.65	22.5	0.545	0.66	-0.03
21350	2560.0	1RB50	Rear	B2	22.55	23.5	0.701	0.87	0.03
Body-Worn Test Data (15mm) - Power level C1/D1									
21350	2560.0	1RB50	Front	/	22.55	23.5	0.231	0.29	0.11
21350	2560.0	50RB25	Front	/	21.80	22.5	0.191	0.22	-0.01
21350	2560.0	1RB50	Rear	/	22.55	23.5	0.250	0.31	-0.14
21350	2560.0	50RB25	Rear	/	21.80	22.5	0.196	0.23	-0.01
Hotspot Test Data (10mm) - Power level C2/D2									
21350	2560.0	1RB50	Front	/	21.56	22.5	0.317	0.39	0.09
21350	2560.0	50RB25	Front	/	21.80	22.5	0.312	0.37	0.17
21350	2560.0	1RB50	Rear	/	21.56	22.5	0.467	0.58	0.18
21350	2560.0	50RB25	Rear	/	21.80	22.5	0.461	0.54	0.05
21350	2560.0	1RB50	Left	/	21.56	22.5	0.034	0.04	0.09
21350	2560.0	50RB25	Left	/	21.80	22.5	0.034	0.04	0.04
21350	2560.0	1RB50	Right	/	21.56	22.5	0.197	0.24	0.00
21350	2560.0	50RB25	Right	/	21.80	22.5	0.220	0.26	-0.09
21350	2560.0	1RB50	Bottom	/	21.56	22.5	0.286	0.36	-0.19
21350	2560.0	50RB25	Bottom	/	21.80	22.5	0.236	0.28	0.04
Body-Worn Test Data (15mm) - Power level C2/D2									
21350	2560.0	1RB50	Front	/	21.56	22.5	0.157	0.19	0.05
21350	2560.0	50RB25	Front	/	21.80	22.5	0.154	0.18	0.07
21350	2560.0	1RB50	Rear	/	21.56	22.5	0.222	0.28	0.04
21350	2560.0	50RB25	Rear	/	21.80	22.5	0.216	0.25	-0.08



Table 13.35: SAR Values (LTE Band 7 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
21350	2560.0	1RB99	Left Cheek	/	14.62	15.5	0.361	0.44	0.07
21350	2560.0	50RB50	Left Cheek	/	14.69	15.5	0.378	0.46	-0.04
21350	2560.0	1RB99	Left Tilt	/	14.62	15.5	0.446	0.55	0.06
21350	2560.0	50RB50	Left Tilt	/	14.69	15.5	0.472	0.57	-0.08
21350	2560.0	1RB99	Right Cheek	/	14.62	15.5	0.605	0.74	0.11
21350	2560.0	50RB50	Right Cheek	/	14.69	15.5	0.622	0.75	0.01
21350	2560.0	1RB99	Right Tilt	/	14.62	15.5	0.734	0.90	0.04
21350	2560.0	50RB50	Right Tilt	25	14.69	15.5	0.751	0.90	-0.19
21100	2535.0	1RB50	Right Tilt	/	14.57	15.5	0.524	0.65	0.07
20850	2510.0	1RB50	Right Tilt	/	14.51	15.5	0.432	0.54	-0.11
21100	2535.0	50RB50	Right Tilt	/	14.64	15.5	0.536	0.65	0.07
20850	2510.0	50RB50	Right Tilt	/	14.54	15.5	0.442	0.55	-0.12
21350	2560.0	100RB0	Right Tilt	/	14.63	15.5	0.740	0.90	-0.05
21350	2560.0	50RB50	Right Tilt	B2	14.69	15.5	0.742	0.89	-0.11



Table 13.36: SAR Values (LTE Band 7 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
21100	2535.0	1RB50	Front	/	18.05	19.0	0.216	0.27	0.09
21100	2535.0	50RB50	Front	/	18.11	19.0	0.215	0.26	-0.05
21100	2535.0	1RB50	Rear	/	18.05	19.0	0.668	0.83	0.11
21100	2535.0	50RB50	Rear	/	18.11	19.0	0.678	0.83	0.06
21100	2535.0	1RB50	Left	/	18.05	19.0	0.125	0.16	-0.07
21100	2535.0	50RB50	Left	/	18.11	19.0	0.133	0.16	0.03
21100	2535.0	1RB50	Right	/	18.05	19.0	0.021	0.03	-0.09
21100	2535.0	50RB50	Right	/	18.11	19.0	0.021	0.03	0.14
21100	2535.0	1RB50	Top	/	18.05	19.0	0.772	0.96	0.12
21100	2535.0	50RB50	Top	/	18.11	19.0	0.805	0.99	-0.06
21350	2560.0	50RB50	Rear	/	18.09	19.0	0.729	0.90	0.07
20850	2510.0	50RB50	Rear	/	18.05	19.0	0.630	0.78	-0.12
21100	2535.0	100RB0	Rear	/	18.10	19.0	0.666	0.82	0.11
21350	2560.0	50RB50	Top	26	18.09	19.0	0.866	1.07	0.10
20850	2510.0	50RB50	Top	/	18.05	19.0	0.748	0.93	0.05
21100	2535.0	100RB0	Top	/	18.10	19.0	0.791	0.97	-0.04
21350	2560.0	50RB50	Top	B2	18.09	19.0	0.848	1.05	0.06
Body-Worn Test Data (15mm) - Power level C1/D1									
21100	2535.0	1RB50	Front	/	18.05	19.0	0.096	0.12	0.17
21100	2535.0	50RB50	Front	/	18.11	19.0	0.094	0.12	0.04
21100	2535.0	1RB50	Rear	/	18.05	19.0	0.299	0.37	0.08
21100	2535.0	50RB50	Rear	27	18.11	19.0	0.306	0.38	0.10



Table 13.37: SAR Values (LTE Band 7 - Head) – Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A2/B2									
21350	2560.0	1RB50	Left Cheek	/	18.40	19.0	0.229	0.26	0.09
21350	2560.0	50RB0	Left Cheek	/	18.48	19.0	0.252	0.28	-0.01
21350	2560.0	1RB50	Left Tilt	/	18.40	19.0	0.122	0.14	0.17
21350	2560.0	50RB0	Left Tilt	/	18.48	19.0	0.133	0.15	0.07
21350	2560.0	1RB50	Right Cheek	/	18.40	19.0	0.661	0.76	0.13
21350	2560.0	50RB0	Right Cheek	/	18.48	19.0	0.680	0.77	-0.04
21350	2560.0	1RB50	Right Tilt	/	18.40	19.0	0.220	0.25	0.05
21350	2560.0	50RB0	Right Tilt	/	18.48	19.0	0.223	0.25	0.12

Table 13.38: SAR Values (LTE Band 7 - Body) – Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C2/D2									
21350	2560.0	1RB50	Front	/	19.91	20.5	0.247	0.28	0.05
21350	2560.0	50RB0	Front	/	19.48	20.0	0.188	0.21	0.06
21350	2560.0	1RB50	Rear	/	19.91	20.5	0.685	0.78	-0.05
21350	2560.0	50RB0	Rear	/	19.48	20.0	0.592	0.67	-0.11
21350	2560.0	1RB50	Left	/	19.91	20.5	0.278	0.32	0.05
21350	2560.0	50RB0	Left	/	19.48	20.0	0.216	0.24	-0.09
21350	2560.0	1RB50	Right	/	19.91	20.5	0.012	0.01	0.05
21350	2560.0	50RB0	Right	/	19.48	20.0	0.012	0.01	0.05
21350	2560.0	1RB50	Top	/	19.91	20.5	0.066	0.08	0.09
21350	2560.0	50RB0	Top	/	19.48	20.0	0.055	0.06	0.09
Body-Worn Test Data (15mm) - Power level C2/D2									
21350	2560.0	1RB50	Front	/	19.91	20.5	0.139	0.16	0.05
21350	2560.0	50RB0	Front	/	19.48	20.0	0.102	0.11	0.07
21350	2560.0	1RB50	Rear	/	19.91	20.5	0.284	0.33	0.14
21350	2560.0	50RB0	Rear	/	19.48	20.0	0.255	0.29	0.07



Table 13.39: SAR Values (LTE Band 12 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
23095	707.5	1RB49	Left Cheek	/	23.54	24.5	0.111	0.14	0.07
23060	704.0	25RB25	Left Cheek	/	22.45	23.5	0.084	0.11	0.02
23095	707.5	1RB49	Left Tilt	/	23.54	24.5	0.051	0.06	0.18
23060	704.0	25RB25	Left Tilt	/	22.45	23.5	0.038	0.05	0.02
23095	707.5	1RB49	Right Cheek	/	23.54	24.5	0.097	0.12	0.02
23060	704.0	25RB25	Right Cheek	/	22.45	23.5	0.072	0.09	0.01
23095	707.5	1RB49	Right Tilt	/	23.54	24.5	0.050	0.06	0.01
23060	704.0	25RB25	Right Tilt	/	22.45	23.5	0.037	0.05	0.04
23095	707.5	1RB49	Left Cheek	B2	23.54	24.5	0.102	0.13	0.03

Table 13.40: SAR Values (LTE Band 12 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
23095	707.5	1RB49	Front	/	23.54	24.5	0.123	0.15	0.03
23060	704.0	25RB25	Front	/	22.45	23.5	0.092	0.12	0.06
23095	707.5	1RB49	Rear	/	23.54	24.5	0.164	0.20	0.06
23060	704.0	25RB25	Rear	/	22.45	23.5	0.125	0.16	0.06
23095	707.5	1RB49	Left	29	23.54	24.5	0.221	0.28	0.08
23060	704.0	25RB25	Left	/	22.45	23.5	0.193	0.25	0.08
23095	707.5	1RB49	Right	/	23.54	24.5	0.137	0.17	0.04
23060	704.0	25RB25	Right	/	22.45	23.5	0.108	0.14	0.05
23095	707.5	1RB49	Bottom	/	23.54	24.5	0.113	0.14	-0.01
23060	704.0	25RB25	Bottom	/	22.45	23.5	0.081	0.10	0.01
23095	707.5	1RB49	Left	B2	23.54	24.5	0.201	0.25	0.04
Body-Worn Test Data (15mm) - Power level C1/D1									
23095	707.5	1RB49	Front	/	23.54	24.5	0.093	0.12	-0.16
23060	704.0	25RB25	Front	/	22.45	23.5	0.070	0.09	0.12
23095	707.5	1RB49	Rear	30	23.54	24.5	0.124	0.15	-0.13
23060	704.0	25RB25	Rear	/	22.45	23.5	0.095	0.12	-0.16

Note: SAR for LTE Band 17 is covered by LTE Band 12 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.



Table 13.41: SAR Values (LTE Band 12 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
23130	711.0	1RB49	Left Cheek	/	23.61	24.5	0.282	0.35	-0.15
23130	711.0	25RB0	Left Cheek	/	22.56	23.5	0.175	0.22	-0.01
23130	711.0	1RB49	Left Tilt	/	23.61	24.5	0.196	0.24	-0.09
23130	711.0	25RB0	Left Tilt	/	22.56	23.5	0.150	0.19	-0.05
23130	711.0	1RB49	Right Cheek	28	23.61	24.5	0.312	0.38	-0.07
23130	711.0	25RB0	Right Cheek	/	22.56	23.5	0.293	0.36	0.12
23130	711.0	1RB49	Right Tilt	/	23.61	24.5	0.273	0.34	-0.10
23130	711.0	25RB0	Right Tilt	/	22.56	23.5	0.208	0.26	-0.07
23130	711.0	1RB49	Right Cheek	B2	23.61	24.5	0.297	0.36	-0.07

Table 13.42: SAR Values (LTE Band 12 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
23130	711.0	1RB49	Front	/	23.61	24.5	0.070	0.09	0.03
23130	711.0	25RB0	Front	/	22.56	23.5	0.052	0.06	0.12
23130	711.0	1RB49	Rear	/	23.61	24.5	0.078	0.10	0.15
23130	711.0	25RB0	Rear	/	22.56	23.5	0.061	0.08	0.06
23130	711.0	1RB49	Left	/	23.61	24.5	0.083	0.10	-0.04
23130	711.0	25RB0	Left	/	22.56	23.5	0.070	0.09	0.07
23130	711.0	1RB49	Right	/	23.61	24.5	0.058	0.07	-0.02
23130	711.0	25RB0	Right	/	22.56	23.5	0.048	0.06	0.04
23130	711.0	1RB49	Top	/	23.61	24.5	0.055	0.07	0.09
23130	711.0	25RB0	Top	/	22.56	23.5	0.041	0.05	0.05
23130	711.0	1RB49	Left	B2	23.61	24.5	0.070	0.09	-0.04
Body-Worn Test Data (15mm) - Power level C1/D1									
23130	711.0	1RB49	Front	/	23.61	24.5	0.066	0.08	-0.02
23130	711.0	25RB0	Front	/	22.56	23.5	0.054	0.07	0.09
23130	711.0	1RB49	Rear	/	23.61	24.5	0.054	0.07	-0.03
23130	711.0	25RB0	Rear	/	22.56	23.5	0.044	0.05	0.01

Note: SAR for LTE Band 17 is covered by LTE Band 12 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.



Table 13.43: SAR Values (LTE Band 13 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
23230	782.0	1RB24	Left Cheek	/	23.52	24.5	0.108	0.14	0.06
23230	782.0	25RB12	Left Cheek	/	22.47	23.5	0.083	0.11	0.05
23230	782.0	1RB24	Left Tilt	/	23.52	24.5	0.047	0.06	0.17
23230	782.0	25RB12	Left Tilt	/	22.47	23.5	0.036	0.05	0.06
23230	782.0	1RB24	Right Cheek	/	23.52	24.5	0.092	0.12	0.02
23230	782.0	25RB12	Right Cheek	/	22.47	23.5	0.071	0.09	0.02
23230	782.0	1RB24	Right Tilt	/	23.52	24.5	0.044	0.05	0.11
23230	782.0	25RB12	Right Tilt	/	22.47	23.5	0.034	0.04	0.03
23230	782.0	1RB24	Left Cheek	B2	23.52	24.5	0.105	0.13	0.03

Table 13.44: SAR Values (LTE Band 13 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
23230	782.0	1RB24	Front	/	23.52	24.5	0.129	0.16	0.05
23230	782.0	25RB12	Front	/	22.47	23.5	0.096	0.12	0.03
23230	782.0	1RB24	Rear	32	23.52	24.5	0.148	0.19	0.01
23230	782.0	25RB12	Rear	/	22.47	23.5	0.120	0.15	0.02
23230	782.0	1RB24	Left	/	23.52	24.5	0.086	0.11	0.02
23230	782.0	25RB12	Left	/	22.47	23.5	0.086	0.11	-0.02
23230	782.0	1RB24	Right	/	23.52	24.5	0.030	0.04	0.02
23230	782.0	25RB12	Right	/	22.47	23.5	0.023	0.03	0.04
23230	782.0	1RB24	Bottom	/	23.52	24.5	0.105	0.13	-0.01
23230	782.0	25RB12	Bottom	/	22.47	23.5	0.078	0.10	0.06
23230	782.0	1RB24	Rear	B2	23.52	24.5	0.133	0.17	0.01
Body-Worn Test Data (15mm) - Power level C1/D1									
23230	782.0	1RB24	Front	/	23.52	24.5	0.119	0.15	0.05
23230	782.0	25RB12	Front	/	22.47	23.5	0.088	0.11	0.01
23230	782.0	1RB24	Rear	33	23.52	24.5	0.136	0.17	0.11
23230	782.0	25RB12	Rear	/	22.47	23.5	0.110	0.14	-0.01



Table 13.45: SAR Values (LTE Band 13 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
23230	782.0	1RB24	Left Cheek	/	23.68	24.5	0.331	0.40	-0.19
23230	782.0	25RB25	Left Cheek	/	22.62	23.5	0.277	0.34	-0.14
23230	782.0	1RB24	Left Tilt	/	23.68	24.5	0.221	0.27	-0.08
23230	782.0	25RB25	Left Tilt	/	22.62	23.5	0.186	0.23	-0.14
23230	782.0	1RB24	Right Cheek	31	23.68	24.5	0.400	0.48	-0.07
23230	782.0	25RB25	Right Cheek	/	22.62	23.5	0.321	0.39	-0.11
23230	782.0	1RB24	Right Tilt	/	23.68	24.5	0.327	0.39	-0.02
23230	782.0	25RB25	Right Tilt	/	22.62	23.5	0.274	0.34	-0.06
23230	782.0	1RB24	Right Cheek	B2	23.68	24.5	0.383	0.46	-0.07

Table 13.46: SAR Values (LTE Band 13 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
23230	782.0	1RB24	Front	/	23.68	24.5	0.070	0.08	0.05
23230	782.0	25RB25	Front	/	22.62	23.5	0.057	0.07	0.04
23230	782.0	1RB24	Rear	/	23.68	24.5	0.082	0.10	0.07
23230	782.0	25RB25	Rear	/	22.62	23.5	0.073	0.09	0.05
23230	782.0	1RB24	Left	/	23.68	24.5	0.080	0.10	-0.03
23230	782.0	25RB25	Left	/	22.62	23.5	0.062	0.08	-0.02
23230	782.0	1RB24	Right	/	23.68	24.5	0.073	0.09	-0.08
23230	782.0	25RB25	Right	/	22.62	23.5	0.056	0.07	0.13
23230	782.0	1RB24	Top	/	23.68	24.5	0.058	0.07	0.13
23230	782.0	25RB25	Top	/	22.62	23.5	0.047	0.06	0.11
23230	782.0	1RB24	Rear	B2	23.68	24.5	0.070	0.08	0.07
Body-Worn Test Data (15mm) - Power level C1/D1									
23230	782.0	1RB24	Front	/	23.68	24.5	0.063	0.08	0.13
23230	782.0	25RB25	Front	/	22.62	23.5	0.049	0.06	0.14
23230	782.0	1RB24	Rear	/	23.68	24.5	0.061	0.07	0.01
23230	782.0	25RB25	Rear	/	22.62	23.5	0.047	0.06	0.06



Table 13.47: SAR Values (LTE Band 26 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1/A2/B2									
26775	822.5	1RB37	Left Cheek	/	23.17	24.0	0.068	0.08	0.08
26775	822.5	36RB39	Left Cheek	/	22.17	23.0	0.051	0.06	0.07
26775	822.5	1RB37	Left Tilt	/	23.17	24.0	0.033	0.04	0.07
26775	822.5	36RB39	Left Tilt	/	22.17	23.0	0.025	0.03	0.06
26775	822.5	1RB37	Right Cheek	/	23.17	24.0	0.056	0.07	0.02
26775	822.5	36RB39	Right Cheek	/	22.17	23.0	0.042	0.05	0.04
26775	822.5	1RB37	Right Tilt	/	23.17	24.0	0.031	0.04	0.01
26775	822.5	36RB39	Right Tilt	/	22.17	23.0	0.023	0.03	0.01
26775	822.5	1RB37	Left Cheek	B2	23.17	24.0	0.060	0.07	0.00

Table 13.48: SAR Values (LTE Band 26 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1/C2/D2									
26775	822.5	1RB37	Front	/	23.17	24.0	0.066	0.08	0.02
26775	822.5	36RB39	Front	/	22.17	23.0	0.051	0.06	0.01
26775	822.5	1RB37	Rear	/	23.17	24.0	0.109	0.13	0.05
26775	822.5	36RB39	Rear	/	22.17	23.0	0.083	0.10	0.12
26775	822.5	1RB37	Left	35	23.17	24.0	0.125	0.15	0.07
26775	822.5	36RB39	Left	/	22.17	23.0	0.093	0.11	0.05
26775	822.5	1RB37	Right	/	23.17	24.0	0.044	0.05	0.03
26775	822.5	36RB39	Right	/	22.17	23.0	0.032	0.04	0.17
26775	822.5	1RB37	Bottom	/	23.17	24.0	0.100	0.12	0.04
26775	822.5	36RB39	Bottom	/	22.17	23.0	0.079	0.10	0.03
26775	822.5	1RB37	Left	B2	23.17	24.0	0.103	0.12	0.07
Body-Worn Test Data (15mm) - Power level C1/D1/C2/D2									
26775	822.5	1RB37	Front	/	23.17	24.0	0.045	0.05	-0.14
26775	822.5	36RB39	Front	/	22.17	23.0	0.035	0.04	0.05
26775	822.5	1RB37	Rear	36	23.17	24.0	0.075	0.09	-0.08
26775	822.5	36RB39	Rear	/	22.17	23.0	0.058	0.07	0.10



Table 13.49: SAR Values (LTE Band 26 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/A2									
26865	831.5	1RB37	Left Cheek	/	23.43	24.0	0.363	0.41	-0.11
26865	831.5	36RB38	Left Cheek	/	22.39	23.0	0.300	0.35	-0.08
26865	831.5	1RB37	Left Tilt	/	23.43	24.0	0.267	0.30	-0.04
26865	831.5	36RB38	Left Tilt	/	22.39	23.0	0.220	0.25	-0.10
26865	831.5	1RB37	Right Cheek	34	23.43	24.0	0.519	0.59	0.02
26865	831.5	36RB38	Right Cheek	/	22.39	23.0	0.517	0.59	0.03
26865	831.5	1RB37	Right Tilt	/	23.43	24.0	0.466	0.53	0.05
26865	831.5	36RB38	Right Tilt	/	22.39	23.0	0.380	0.44	0.08
26865	831.5	1RB37	Right Cheek	B2	23.43	24.0	0.496	0.57	0.02
Power level B1									
26865	831.5	1RB37	Left Cheek	/	22.84	23.5	0.327	0.38	-0.07
26865	831.5	36RB38	Left Cheek	/	22.30	23.0	0.292	0.34	0.19
26865	831.5	1RB37	Left Tilt	/	22.84	23.5	0.241	0.28	0.09
26865	831.5	36RB38	Left Tilt	/	22.30	23.0	0.218	0.26	-0.05
26865	831.5	1RB37	Right Cheek	/	23.43	24.0	0.468	0.53	-0.18
26865	831.5	36RB38	Right Cheek	/	22.39	23.0	0.466	0.54	-0.14
26865	831.5	1RB37	Right Tilt	/	23.43	24.0	0.420	0.48	-0.18
26865	831.5	36RB38	Right Tilt	/	22.39	23.0	0.373	0.43	0.01
Power level B2									
26865	831.5	1RB37	Left Cheek	/	22.44	23.0	0.324	0.37	-0.06
26865	831.5	36RB38	Left Cheek	/	22.42	23.0	0.268	0.31	0.16
26865	831.5	1RB37	Left Tilt	/	22.44	23.0	0.239	0.27	-0.12
26865	831.5	36RB38	Left Tilt	/	22.42	23.0	0.197	0.23	0.01
26865	831.5	1RB37	Right Cheek	/	22.44	23.0	0.434	0.49	-0.03
26865	831.5	36RB38	Right Cheek	/	22.42	23.0	0.462	0.53	-0.07
26865	831.5	1RB37	Right Tilt	/	22.44	23.0	0.416	0.47	0.13
26865	831.5	36RB38	Right Tilt	/	22.42	23.0	0.340	0.39	0.11



Table 13.50: SAR Values (LTE Band 26 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C					Liquid Temperature: 22.3°C				
Hotspot Test Data (10mm) - Power level C1/D1/C2/D2									
26865	831.5	1RB37	Front	/	23.43	24.0	0.077	0.09	0.04
26865	831.5	36RB38	Front	/	22.39	23.0	0.063	0.07	0.06
26865	831.5	1RB37	Rear	/	23.43	24.0	0.101	0.12	0.08
26865	831.5	36RB38	Rear	/	22.39	23.0	0.085	0.10	0.12
26865	831.5	1RB37	Left	/	23.43	24.0	0.086	0.10	-0.07
26865	831.5	36RB38	Left	/	22.39	23.0	0.069	0.08	-0.08
26865	831.5	1RB37	Right	/	23.43	24.0	0.063	0.07	0.03
26865	831.5	36RB38	Right	/	22.39	23.0	0.050	0.06	0.06
26865	831.5	1RB37	Top	/	23.43	24.0	0.076	0.09	-0.02
26865	831.5	36RB38	Top	/	22.39	23.0	0.063	0.07	-0.11
26865	831.5	1RB37	Rear	B2	23.43	24.0	0.091	0.10	0.03
Body-Worn Test Data (15mm) - Power level C1/D1/C2/D2									
26865	831.5	1RB37	Front	/	23.43	24.0	0.065	0.07	0.01
26865	831.5	36RB38	Front	/	22.39	23.0	0.052	0.06	-0.06
26865	831.5	1RB37	Rear	/	23.43	24.0	0.072	0.08	0.03
26865	831.5	36RB38	Rear	/	22.39	23.0	0.058	0.07	-0.06



Table 13.51: SAR Values (LTE Band 38 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
37850	2580.0	1RB50	Left Cheek	/	23.13	24.0	0.090	0.11	0.01
37850	2580.0	50RB50	Left Cheek	/	22.24	23.0	0.074	0.09	0.08
37850	2580.0	1RB50	Left Tilt	/	23.13	24.0	0.090	0.11	0.17
37850	2580.0	50RB50	Left Tilt	/	22.24	23.0	0.073	0.09	0.06
37850	2580.0	1RB50	Right Cheek	/	23.13	24.0	0.208	0.25	0.05
37850	2580.0	50RB50	Right Cheek	/	22.24	23.0	0.170	0.20	0.02
37850	2580.0	1RB50	Right Tilt	/	23.13	24.0	0.080	0.10	0.14
37850	2580.0	50RB50	Right Tilt	/	22.24	23.0	0.066	0.08	0.19
37850	2580.0	1RB50	Right Cheek	B2	23.13	24.0	0.198	0.24	0.03

Table 13.52: SAR Values (LTE Band 38 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
37850	2580.0	1RB50	Front	/	23.13	24.0	0.294	0.36	0.10
37850	2580.0	50RB50	Front	/	22.24	23.0	0.242	0.29	-0.01
37850	2580.0	1RB50	Rear	/	23.13	24.0	0.436	0.53	-0.05
37850	2580.0	50RB50	Rear	/	22.24	23.0	0.334	0.40	0.01
37850	2580.0	1RB50	Left	/	23.13	24.0	0.029	0.04	0.05
37850	2580.0	50RB50	Left	/	22.24	23.0	0.024	0.03	0.01
37850	2580.0	1RB50	Right	/	23.13	24.0	0.182	0.22	0.02
37850	2580.0	50RB50	Right	/	22.24	23.0	0.147	0.18	0.12
37850	2580.0	1RB50	Bottom	/	23.13	24.0	0.230	0.28	-0.10
37850	2580.0	50RB50	Bottom	/	22.24	23.0	0.178	0.21	-0.11
37850	2580.0	1RB50	Rear	B2	23.13	24.0	0.398	0.49	0.06
Body-Worn Test Data (15mm) - Power level C1/D1									
37850	2580.0	1RB50	Front	/	23.13	24.0	0.152	0.19	0.18
37850	2580.0	50RB50	Front	/	22.24	23.0	0.124	0.15	0.06
37850	2580.0	1RB50	Rear	/	23.13	24.0	0.210	0.26	0.07
37850	2580.0	50RB50	Rear	/	22.24	23.0	0.172	0.20	0.09



Table 13.53: SAR Values (LTE Band 38 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
38000	2595.0	1RB50	Left Cheek	/	16.58	17.0	0.214	0.24	-0.14
38000	2595.0	50RB50	Left Cheek	/	16.59	17.0	0.212	0.23	0.05
38000	2595.0	1RB50	Left Tilt	/	16.58	17.0	0.294	0.32	-0.01
38000	2595.0	50RB50	Left Tilt	/	16.59	17.0	0.291	0.32	0.04
38000	2595.0	1RB50	Right Cheek	/	16.58	17.0	0.503	0.55	-0.11
38000	2595.0	50RB50	Right Cheek	/	16.59	17.0	0.508	0.56	0.12
38000	2595.0	1RB50	Right Tilt	/	16.58	17.0	0.656	0.72	-0.02
38000	2595.0	50RB50	Right Tilt	37	16.59	17.0	0.666	0.73	-0.09
38000	2595.0	50RB50	Right Tilt	B2	16.59	17.0	0.648	0.71	-0.09

Table 13.54: SAR Values (LTE Band 38 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
37850	2580.0	1RB50	Front	/	20.59	21.0	0.125	0.14	0.06
37850	2580.0	50RB50	Front	/	20.56	21.0	0.102	0.11	-0.16
37850	2580.0	1RB50	Rear	/	20.59	21.0	0.520	0.57	0.08
37850	2580.0	50RB50	Rear	/	20.56	21.0	0.609	0.67	0.08
37850	2580.0	1RB50	Left	/	20.59	21.0	0.099	0.11	-0.12
37850	2580.0	50RB50	Left	/	20.56	21.0	0.082	0.09	-0.09
37850	2580.0	1RB50	Right	/	20.59	21.0	0.013	0.01	0.02
37850	2580.0	50RB50	Right	/	20.56	21.0	0.010	0.01	0.03
37850	2580.0	1RB50	Top	/	20.59	21.0	0.722	0.79	-0.16
37850	2580.0	50RB50	Top	/	20.56	21.0	0.832	0.92	-0.09
38150	2580.0	50RB25	Top	38	20.55	21.0	0.903	1.00	-0.13
38000	2580.0	50RB25	Top	/	20.54	21.0	0.858	0.95	0.07
38150	2580.0	100RB0	Top	/	20.51	21.0	0.884	0.99	0.06
38150	2580.0	50RB25	Top	B2	20.55	21.0	0.887	0.98	-0.13
Body-Worn Test Data (15mm) - Power level C1/D1									
37850	2580.0	1RB50	Front	/	20.59	21.0	0.095	0.10	0.05
37850	2580.0	50RB50	Front	/	20.56	21.0	0.078	0.09	-0.08
37850	2580.0	1RB50	Rear	39	20.59	21.0	0.345	0.38	0.06
37850	2580.0	50RB50	Rear	/	20.56	21.0	0.342	0.38	0.13



Table 13.55: SAR Values (LTE Band 41 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
39750	2506.0	1RB50	Left Cheek	/	23.36	24.5	0.052	0.07	0.07
39750	2506.0	50RB50	Left Cheek	/	22.49	23.5	0.041	0.05	0.02
39750	2506.0	1RB50	Left Tilt	/	23.36	24.5	0.060	0.08	0.04
39750	2506.0	50RB50	Left Tilt	/	22.49	23.5	0.048	0.06	0.04
39750	2506.0	1RB50	Right Cheek	/	23.36	24.5	0.120	0.16	0.06
39750	2506.0	50RB50	Right Cheek	/	22.49	23.5	0.099	0.12	0.10
39750	2506.0	1RB50	Right Tilt	/	23.36	24.5	0.050	0.07	0.08
39750	2506.0	50RB50	Right Tilt	/	22.49	23.5	0.038	0.05	0.04
39750	2506.0	1RB50	Right Cheek	B2	23.36	24.5	0.101	0.13	0.03

Table 13.56: SAR Values (LTE Band 41 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
39750	2506.0	1RB50	Front	/	23.36	24.5	0.193	0.25	0.09
39750	2506.0	50RB50	Front	/	22.49	23.5	0.157	0.20	0.07
39750	2506.0	1RB50	Rear	/	23.36	24.5	0.277	0.36	-0.04
39750	2506.0	50RB50	Rear	/	22.49	23.5	0.213	0.27	-0.12
39750	2506.0	1RB50	Left	/	23.36	24.5	0.024	0.03	0.03
39750	2506.0	50RB50	Left	/	22.49	23.5	0.019	0.02	0.05
39750	2506.0	1RB50	Right	/	23.36	24.5	0.132	0.17	0.19
39750	2506.0	50RB50	Right	/	22.49	23.5	0.106	0.13	0.03
39750	2506.0	1RB50	Bottom	/	23.36	24.5	0.153	0.20	-0.09
39750	2506.0	50RB50	Bottom	/	22.49	23.5	0.124	0.16	-0.09
39750	2506.0	1RB50	Rear	B2	23.36	24.5	0.223	0.29	-0.04
Body-Worn Test Data (15mm) - Power level C1/D1									
39750	2506.0	1RB50	Front	/	23.36	24.5	0.109	0.14	0.16
39750	2506.0	50RB50	Front	/	22.49	23.5	0.087	0.11	0.14
39750	2506.0	1RB50	Rear	/	23.36	24.5	0.134	0.17	-0.02
39750	2506.0	50RB50	Rear	/	22.49	23.5	0.109	0.14	0.13



Table 13.57: SAR Values (LTE Band 41 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1									
41490	2680.0	1RB50	Left Cheek	/	18.55	19.5	0.161	0.20	-0.07
41490	2680.0	50RB25	Left Cheek	/	18.57	19.5	0.161	0.20	-0.09
41490	2680.0	1RB50	Left Tilt	/	18.55	19.5	0.191	0.24	0.12
41490	2680.0	50RB25	Left Tilt	/	18.57	19.5	0.193	0.24	0.08
41490	2680.0	1RB50	Right Cheek	/	18.55	19.5	0.497	0.62	0.07
41490	2680.0	50RB25	Right Cheek	/	18.57	19.5	0.501	0.62	-0.01
41490	2680.0	1RB50	Right Tilt	/	18.55	19.5	0.511	0.64	-0.03
41490	2680.0	50RB25	Right Tilt	40	18.57	19.5	0.519	0.64	-0.15
41490	2680.0	50RB25	Right Tilt	B2	18.57	19.5	0.504	0.62	-0.15



Table 13.58: SAR Values (LTE Band 41 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C					Liquid Temperature: 22.3°C				
Hotspot Test Data (10mm) - Power level C1/D1									
41490	2680.0	1RB50	Front	/	21.63	22.5	0.083	0.10	0.01
40620	2593.0	50RB25	Front	/	21.64	22.5	0.085	0.10	0.15
41490	2680.0	1RB50	Rear	/	21.63	22.5	0.342	0.42	0.07
40620	2593.0	50RB25	Rear	/	21.64	22.5	0.357	0.44	-0.02
41490	2680.0	1RB50	Left	/	21.63	22.5	0.068	0.08	0.15
40620	2593.0	50RB25	Left	/	21.64	22.5	0.085	0.10	0.14
41490	2680.0	1RB50	Right	/	21.63	22.5	0.009	0.01	-0.05
40620	2593.0	50RB25	Right	/	21.64	22.5	0.014	0.02	0.07
41490	2680.0	1RB50	Top	/	21.63	22.5	0.701	0.86	0.09
40620	2593.0	50RB25	Top	/	21.64	22.5	0.731	0.89	-0.15
41055	2636.5	1RB50	Top	41	21.57	22.5	0.750	0.93	0.08
40620	2593.0	1RB50	Top	/	21.53	22.5	0.687	0.86	0.14
40185	2549.5	1RB50	Top	/	21.42	22.5	0.594	0.76	0.14
39750	2506.0	1RB50	Top	/	21.43	22.5	0.543	0.69	-0.07
41490	2680.0	50RB25	Top	/	21.62	22.5	0.493	0.60	0.07
41055	2636.5	50RB25	Top	/	21.59	22.5	0.712	0.88	0.16
40185	2549.5	50RB25	Top	/	21.44	22.5	0.608	0.78	-0.11
39750	2506.0	50RB50	Top	/	21.53	22.5	0.568	0.71	0.02
41490	2680.0	100RB	Top	/	21.58	22.5	0.518	0.64	-0.04
41055	2636.5	1RB50	Top	B2	21.57	22.5	0.733	0.91	0.08
Body-Worn Test Data (15mm) - Power level C1/D1									
41490	2680.0	1RB50	Front	/	21.63	22.5	0.074	0.09	-0.10
40620	2593.0	50RB25	Front	/	21.64	22.5	0.077	0.09	0.09
41490	2680.0	1RB50	Rear	/	21.63	22.5	0.272	0.34	-0.13
40620	2593.0	50RB25	Rear	42	21.64	22.5	0.306	0.38	0.04



Table 13.59: SAR Values (LTE Band 66 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power level A1/B1/A2/B2									
132322	1745.0	1RB50	Left Cheek	/	23.07	24.0	0.076	0.09	0.13
132322	1745.0	50RB25	Left Cheek	/	22.09	23.0	0.061	0.07	0.01
132322	1745.0	1RB50	Left Tilt	/	23.07	24.0	0.043	0.05	0.17
132322	1745.0	50RB25	Left Tilt	/	22.09	23.0	0.034	0.04	0.07
132322	1745.0	1RB50	Right Cheek	/	23.07	24.0	0.042	0.05	0.06
132322	1745.0	50RB25	Right Cheek	/	22.09	23.0	0.033	0.04	-0.07
132322	1745.0	1RB50	Right Tilt	/	23.07	24.0	0.040	0.05	-0.08
132322	1745.0	50RB25	Right Tilt	/	22.09	23.0	0.032	0.04	-0.12
132322	1745.0	1RB50	Left Cheek	B2	23.07	24.0	0.068	0.08	0.03

Table 13.60: SAR Values (LTE Band 66 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power level C1/D1									
132322	1745.0	1RB50	Front	/	23.07	24.0	0.268	0.33	0.12
132322	1745.0	50RB25	Front	/	22.09	23.0	0.209	0.26	-0.01
132322	1745.0	1RB50	Rear	/	23.07	24.0	0.455	0.56	0.13
132322	1745.0	50RB25	Rear	/	22.09	23.0	0.360	0.44	0.13
132322	1745.0	1RB50	Left	/	23.07	24.0	0.120	0.15	0.01
132322	1745.0	50RB25	Left	/	22.09	23.0	0.078	0.10	0.09
132322	1745.0	1RB50	Right	/	23.07	24.0	0.135	0.17	0.03
132322	1745.0	50RB25	Right	/	22.09	23.0	0.108	0.13	0.07
132322	1745.0	1RB50	Bottom	/	23.07	24.0	0.613	0.76	0.03
132322	1745.0	50RB25	Bottom	/	22.09	23.0	0.492	0.61	0.06
132322	1745.0	1RB50	Bottom	B2	23.07	24.0	0.588	0.73	0.04
Body-Worn Test Data (15mm) - Power level C1/D1									
132322	1745.0	1RB50	Front	/	23.07	24.0	0.162	0.20	0.09
132322	1745.0	50RB25	Front	/	22.09	23.0	0.129	0.16	0.18
132322	1745.0	1RB50	Rear	/	23.07	24.0	0.254	0.31	0.16
132322	1745.0	50RB25	Rear	/	22.09	23.0	0.202	0.25	0.14
Hotspot Test Data (10mm) - Power level C2									
132322	1745.0	1RB50	Front	/	22.09	23.0	0.202	0.25	0.01
132322	1745.0	50RB25	Front	/	22.12	23.0	0.158	0.19	0.18
132322	1745.0	1RB50	Rear	/	22.09	23.0	0.343	0.42	0.14



132322	1745.0	50RB25	Rear	/	22.12	23.0	0.271	0.33	-0.18
132322	1745.0	1RB50	Left	/	22.09	23.0	0.090	0.11	0.06
132322	1745.0	50RB25	Left	/	22.12	23.0	0.059	0.07	0.18
132322	1745.0	1RB50	Right	/	22.09	23.0	0.102	0.13	0.16
132322	1745.0	50RB25	Right	/	22.12	23.0	0.081	0.10	-0.04
132322	1745.0	1RB50	Bottom	/	22.09	23.0	0.462	0.57	-0.16
132322	1745.0	50RB25	Bottom	/	22.12	23.0	0.371	0.45	0.11
Body-Worn Test Data (15mm) - Power level C2									
132322	1745.0	1RB50	Front	/	22.09	23.0	0.122	0.15	-0.15
132322	1745.0	50RB25	Front	/	22.12	23.0	0.097	0.12	0.12
132322	1745.0	1RB50	Rear	/	22.09	23.0	0.191	0.24	-0.02
132322	1745.0	50RB25	Rear	/	22.12	23.0	0.152	0.19	-0.14
Hotspot Test Data (10mm) - Power level D2									
132322	1745.0	1RB50	Front	/	21.54	22.5	0.178	0.22	-0.14
132322	1745.0	50RB25	Front	/	21.63	22.5	0.139	0.17	-0.17
132322	1745.0	1RB50	Rear	/	21.54	22.5	0.303	0.38	0.08
132322	1745.0	50RB25	Rear	/	21.63	22.5	0.240	0.29	-0.18
132322	1745.0	1RB50	Left	/	21.54	22.5	0.080	0.10	0.10
132322	1745.0	50RB25	Left	/	21.63	22.5	0.052	0.06	-0.13
132322	1745.0	1RB50	Right	/	21.54	22.5	0.090	0.11	0.16
132322	1745.0	50RB25	Right	/	21.63	22.5	0.072	0.09	-0.09
132322	1745.0	1RB50	Bottom	/	21.54	22.5	0.408	0.51	-0.14
132322	1745.0	50RB25	Bottom	/	21.63	22.5	0.327	0.40	0.05
Body-Worn Test Data (15mm) - Power level D2									
132322	1745.0	1RB50	Front	/	21.54	22.5	0.108	0.13	-0.05
132322	1745.0	50RB25	Front	/	21.63	22.5	0.086	0.11	0.03
132322	1745.0	1RB50	Rear	/	21.54	22.5	0.169	0.21	-0.10
132322	1745.0	50RB25	Rear	/	21.63	22.5	0.134	0.16	0.14



Table 13.61: SAR Values (LTE Band 66 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Ambient Temperature: 22.8°C		Liquid Temperature: 22.3°C		Power Drift(dB)
Ch.	MHz				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	
Power level A1									
132072	1720.0	1RB50	Left Cheek	/	16.47	17.0	0.621	0.70	0.06
132072	1720.0	50RB0	Left Cheek	/	16.59	17.0	0.615	0.68	-0.01
132072	1720.0	1RB50	Left Tilt	/	16.47	17.0	0.689	0.78	0.04
132072	1720.0	50RB0	Left Tilt	/	16.59	17.0	0.685	0.75	0.00
132072	1720.0	1RB50	Right Cheek	/	16.47	17.0	0.667	0.75	-0.02
132072	1720.0	50RB0	Right Cheek	/	16.59	17.0	0.656	0.72	0.03
132072	1720.0	1RB50	Right Tilt	/	16.47	17.0	0.941	1.06	0.06
132072	1720.0	50RB0	Right Tilt	/	16.59	17.0	0.784	0.86	-0.09
132572	1770.0	1RB50	Right Tilt	43	16.40	17.0	0.958	1.10	-0.06
132322	1745.0	1RB50	Right Tilt	/	16.40	17.0	0.789	0.91	-0.05
132572	1770.0	50RB25	Right Tilt	/	16.50	17.0	0.942	1.06	0.02
132322	1745.0	50RB25	Right Tilt	/	16.45	17.0	0.775	0.88	-0.01
132072	1720.0	100RB0	Right Tilt	/	16.48	17.0	0.728	0.82	0.04
132572	1770.0	1RB50	Right Tilt	B2	16.40	17.0	0.942	1.08	-0.06
Power level B1									
132072	1720.0	1RB50	Left Cheek	/	15.47	16.0	0.491	0.55	0.11
132072	1720.0	50RB0	Left Cheek	/	15.57	16.0	0.487	0.54	-0.09
132072	1720.0	1RB50	Left Tilt	/	15.47	16.0	0.545	0.62	0.06
132072	1720.0	50RB0	Left Tilt	/	15.57	16.0	0.542	0.60	0.13
132072	1720.0	1RB50	Right Cheek	/	15.47	16.0	0.528	0.60	0.03
132072	1720.0	50RB0	Right Cheek	/	15.57	16.0	0.519	0.57	-0.01
132072	1720.0	1RB50	Right Tilt	/	15.47	16.0	0.745	0.84	-0.08
132072	1720.0	50RB0	Right Tilt	/	15.57	16.0	0.620	0.68	0.06
132572	1770.0	1RB50	Right Tilt	/	15.36	16.0	0.758	0.88	0.03
132322	1745.0	1RB50	Right Tilt	/	15.39	16.0	0.624	0.72	-0.07
132072	1720.0	100RB0	Right Tilt	/	15.45	16.0	0.576	0.65	-0.02
Power level A2									
132072	1720.0	1RB50	Left Cheek	/	14.61	15.5	0.391	0.48	-0.10
132072	1720.0	50RB0	Left Cheek	/	14.55	15.5	0.387	0.48	-0.16
132072	1720.0	1RB50	Left Tilt	/	14.61	15.5	0.433	0.53	-0.13
132072	1720.0	50RB0	Left Tilt	/	14.55	15.5	0.431	0.54	0.03
132072	1720.0	1RB50	Right Cheek	/	14.61	15.5	0.420	0.52	0.09
132072	1720.0	50RB0	Right Cheek	/	14.55	15.5	0.413	0.51	0.12
132072	1720.0	1RB50	Right Tilt	/	14.61	15.5	0.592	0.73	-0.06
132072	1720.0	50RB0	Right Tilt	/	14.55	15.5	0.493	0.61	-0.06



Power level B2									
132072	1720.0	1RB50	Left Cheek	/	14.07	15.0	0.333	0.41	-0.12
132072	1720.0	50RB0	Left Cheek	/	14.12	15.0	0.329	0.40	0.20
132072	1720.0	1RB50	Left Tilt	/	14.07	15.0	0.369	0.46	0.16
132072	1720.0	50RB0	Left Tilt	/	14.12	15.0	0.367	0.45	-0.13
132072	1720.0	1RB50	Right Cheek	/	14.07	15.0	0.357	0.44	-0.13
132072	1720.0	50RB0	Right Cheek	/	14.12	15.0	0.351	0.43	-0.18
132072	1720.0	1RB50	Right Tilt	/	14.07	15.0	0.504	0.62	-0.17
132072	1720.0	50RB0	Right Tilt	/	14.12	15.0	0.420	0.51	-0.03

Table 13.62: SAR Values (LTE Band 66 - Body) – Ant.1

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power level C1/D1									
132072	1720.0	1RB50	Front	/	20.30	21.0	0.437	0.51	-0.01
132072	1720.0	50RB0	Front	/	20.34	21.0	0.430	0.50	-0.01
132072	1720.0	1RB50	Rear	/	20.30	21.0	0.595	0.70	0.03
132072	1720.0	50RB0	Rear	/	20.34	21.0	0.590	0.69	0.03
132072	1720.0	1RB50	Left	/	20.30	21.0	0.068	0.08	0.04
132072	1720.0	50RB0	Left	/	20.34	21.0	0.067	0.08	0.08
132072	1720.0	1RB50	Right	/	20.30	21.0	0.057	0.07	0.17
132072	1720.0	50RB0	Right	/	20.34	21.0	0.055	0.06	0.10
132072	1720.0	1RB50	Top	44	20.30	21.0	0.665	0.78	0.01
132072	1720.0	50RB0	Top	/	20.34	21.0	0.612	0.71	0.03
132072	1720.0	1RB50	Top	B2	20.30	21.0	0.650	0.76	0.04
Body-Worn Test Data (15mm) - Power level C1/D1									
132072	1720.0	1RB50	Front	/	20.30	21.0	0.218	0.26	-0.10
132072	1720.0	50RB0	Front	/	20.34	21.0	0.214	0.25	0.01
132072	1720.0	1RB50	Rear	45	20.30	21.0	0.281	0.33	-0.07
132072	1720.0	50RB0	Rear	/	20.34	21.0	0.278	0.32	0.01
Hotspot Test Data (10mm) - Power level C2									
132072	1720.0	1RB50	Front	/	18.57	19.5	0.338	0.42	-0.14
132072	1720.0	50RB0	Front	/	18.55	19.5	0.332	0.41	0.08
132072	1720.0	1RB50	Rear	/	18.57	19.5	0.460	0.57	-0.08
132072	1720.0	50RB0	Rear	/	18.55	19.5	0.456	0.57	0.12
132072	1720.0	1RB50	Left	/	18.57	19.5	0.053	0.07	-0.13
132072	1720.0	50RB0	Left	/	18.55	19.5	0.052	0.06	0.16
132072	1720.0	1RB50	Right	/	18.57	19.5	0.044	0.05	-0.08
132072	1720.0	50RB0	Right	/	18.55	19.5	0.043	0.05	0.01
132072	1720.0	1RB50	Top	/	18.57	19.5	0.514	0.64	-0.03
132072	1720.0	50RB0	Top	/	18.55	19.5	0.473	0.59	-0.05



Body-Worn Test Data (15mm) - Power level C2									
132072	1720.0	1RB50	Front	/	18.57	19.5	0.168	0.21	-0.17
132072	1720.0	50RB0	Front	/	18.55	19.5	0.165	0.21	0.04
132072	1720.0	1RB50	Rear	/	18.57	19.5	0.217	0.27	0.16
132072	1720.0	50RB0	Rear	/	18.55	19.5	0.215	0.27	-0.17
Hotspot Test Data (10mm) - Power level D2									
132072	1720.0	1RB50	Front	/	18.10	19.0	0.300	0.37	0.13
132072	1720.0	50RB0	Front	/	18.08	19.0	0.295	0.36	-0.19
132072	1720.0	1RB50	Rear	/	18.10	19.0	0.408	0.50	0.09
132072	1720.0	50RB0	Rear	/	18.08	19.0	0.405	0.50	-0.05
132072	1720.0	1RB50	Left	/	18.10	19.0	0.047	0.06	0.15
132072	1720.0	50RB0	Left	/	18.08	19.0	0.046	0.06	0.01
132072	1720.0	1RB50	Right	/	18.10	19.0	0.039	0.05	-0.08
132072	1720.0	50RB0	Right	/	18.08	19.0	0.038	0.05	0.03
132072	1720.0	1RB50	Top	/	18.10	19.0	0.456	0.56	0.15
132072	1720.0	50RB0	Top	/	18.08	19.0	0.420	0.52	-0.11
Body-Worn Test Data (15mm) - Power level D2									
132072	1720.0	1RB50	Front	/	18.10	19.0	0.149	0.18	0.10
132072	1720.0	50RB0	Front	/	18.08	19.0	0.147	0.18	-0.18
132072	1720.0	1RB50	Rear	/	18.10	19.0	0.193	0.24	0.05
132072	1720.0	50RB0	Rear	/	18.08	19.0	0.191	0.24	0.01



13.3. Test Results for NR SUB 6G

Table 13.63: SAR Values (NR n5 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1/B1/A2/B2									
167300	836.5	12@6	Left Cheek	/	23.31	24.2	0.059	0.07	0.09
167300	836.5	12@6	Left Tilt	/	23.31	24.2	0.030	0.04	0.07
167300	836.5	12@6	Right Cheek	/	23.31	24.2	0.048	0.06	0.03
167300	836.5	12@6	Right Tilt	/	23.31	24.2	0.026	0.03	0.02
167300	836.5	12@6	Left Cheek	B2	23.31	24.2	0.051	0.06	0.05

Table 13.64: SAR Values (NR n5 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1/D1/C2/D2									
167300	836.5	12@6	Front	/	23.31	24.2	0.076	0.09	0.12
167300	836.5	12@6	Rear	/	23.31	24.2	0.120	0.15	-0.04
167300	836.5	12@6	Left	/	23.31	24.2	0.095	0.12	0.06
167300	836.5	12@6	Right	/	23.31	24.2	0.033	0.04	0.02
167300	836.5	12@6	Bottom	/	23.31	24.2	0.114	0.14	0.14
167300	836.5	12@6	Rear	B2	23.31	24.2	0.110	0.14	-0.08
Body-Worn Test Data (15mm) - Power Level C1/D1/C2/D2									
167300	836.5	12@6	Front	/	23.31	24.2	0.059	0.07	0.02
167300	836.5	12@6	Rear	/	23.31	24.2	0.050	0.06	0.14



Table 13.65: SAR Values (NR n5 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1									
167300	836.5	12@6	Left Cheek	/	22.23	23.2	0.414	0.52	-0.19
167300	836.5	12@6	Left Tilt	/	22.23	23.2	0.321	0.40	-0.09
167300	836.5	12@6	Right Cheek	46	22.23	23.2	0.662	0.83	0.18
167300	836.5	12@6	Right Tilt	/	22.23	23.2	0.467	0.58	0.09
167300	836.5	12@6	Right Cheek	B2	22.23	23.2	0.650	0.81	0.12
Power Level B1									
167300	836.5	12@6	Left Cheek	/	21.70	22.7	0.351	0.44	-0.02
167300	836.5	12@6	Left Tilt	/	21.70	22.7	0.273	0.34	0.03
167300	836.5	12@6	Right Cheek	/	21.70	22.7	0.562	0.71	-0.02
167300	836.5	12@6	Right Tilt	/	21.70	22.7	0.396	0.50	-0.03
Power Level A2									
167300	836.5	12@6	Left Cheek	/	20.78	21.7	0.280	0.35	-0.02
167300	836.5	12@6	Left Tilt	/	20.78	21.7	0.217	0.27	-0.14
167300	836.5	12@6	Right Cheek	/	20.78	21.7	0.447	0.55	0.02
167300	836.5	12@6	Right Tilt	/	20.78	21.7	0.315	0.39	-0.13
Power Level B2									
167300	836.5	12@6	Left Cheek	/	16.81	17.7	0.138	0.17	0.12
167300	836.5	12@6	Left Tilt	/	16.81	17.7	0.107	0.13	0.13
167300	836.5	12@6	Right Cheek	/	16.81	17.7	0.220	0.27	-0.07
167300	836.5	12@6	Right Tilt	/	16.81	17.7	0.155	0.19	-0.08

Table 13.66: SAR Values (NR n5 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1/D1/C2/D2									
167300	836.5	12@6	Front	/	23.27	24.2	0.122	0.15	-0.10
167300	836.5	12@6	Rear	47	23.27	24.2	0.135	0.17	0.01
167300	836.5	12@6	Left	/	23.27	24.2	0.112	0.14	-0.03
167300	836.5	12@6	Right	/	23.27	24.2	0.087	0.11	0.03
167300	836.5	12@6	Top	/	23.27	24.2	0.113	0.14	-0.06
167300	836.5	12@6	Rear	B2	23.27	24.2	0.128	0.16	0.08
Body-Worn Test Data (15mm) - Power Level C1/D1/C2/D2									
167300	836.5	12@6	Front	/	23.27	24.2	0.094	0.12	-0.03
167300	836.5	12@6	Rear	48	23.27	24.2	0.117	0.14	0.03



Table 13.67: SAR Values (NR n7 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1/B1/A2									
500500	2502.5	12@6	Left Cheek	/	22.85	23.7	0.125	0.15	0.04
500500	2502.5	12@6	Left Tilt	/	22.85	23.7	0.113	0.14	0.08
500500	2502.5	12@6	Right Cheek	/	22.85	23.7	0.249	0.30	0.03
500500	2502.5	12@6	Right Tilt	/	22.85	23.7	0.108	0.13	0.05
500500	2502.5	12@6	Right Cheek	B2	22.85	23.7	0.233	0.28	0.03
Power Level B2									
500500	2502.5	12@6	Left Cheek	/	20.47	21.2	0.061	0.07	0.12
500500	2502.5	12@6	Left Tilt	/	20.47	21.2	0.055	0.07	-0.20
500500	2502.5	12@6	Right Cheek	/	20.47	21.2	0.122	0.14	-0.07
500500	2502.5	12@6	Right Tilt	/	20.47	21.2	0.053	0.06	0.18



Table 13.68: SAR Values (NR n7 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1/D1									
500500	2502.5	12@6	Front	/	22.85	23.7	0.354	0.43	0.07
500500	2502.5	12@6	Rear	/	22.85	23.7	0.506	0.62	-0.10
500500	2502.5	12@6	Left	/	22.85	23.7	0.048	0.06	0.07
500500	2502.5	12@6	Right	/	22.85	23.7	0.227	0.28	0.02
500500	2502.5	12@6	Bottom	/	22.85	23.7	0.258	0.31	0.08
500500	2502.5	12@6	Rear	B2	22.85	23.7	0.490	0.60	-0.10
Body-Worn Test Data (15mm) - Power Level C1/D1									
500500	2502.5	12@6	Front	/	22.85	23.7	0.201	0.24	-0.01
500500	2502.5	12@6	Rear	/	22.85	23.7	0.254	0.31	0.03
Hotspot Test Data (10mm) - Power Level C2									
500500	2502.5	12@6	Front	/	22.44	23.2	0.276	0.33	0.13
500500	2502.5	12@6	Rear	/	22.44	23.2	0.395	0.47	-0.03
500500	2502.5	12@6	Left	/	22.44	23.2	0.037	0.04	-0.16
500500	2502.5	12@6	Right	/	22.44	23.2	0.177	0.21	-0.03
500500	2502.5	12@6	Bottom	/	22.44	23.2	0.201	0.24	-0.10
Body-Worn Test Data (15mm) - Power Level C2									
500500	2502.5	12@6	Front	/	22.44	23.2	0.157	0.19	-0.05
500500	2502.5	12@6	Rear	/	22.44	23.2	0.198	0.24	-0.13
Hotspot Test Data (10mm) - Power Level D2									
500500	2502.5	12@6	Front	/	18.45	19.2	0.103	0.12	0.08
500500	2502.5	12@6	Rear	/	18.45	19.2	0.147	0.17	0.04
500500	2502.5	12@6	Left	/	18.45	19.2	0.014	0.02	0.01
500500	2502.5	12@6	Right	/	18.45	19.2	0.066	0.08	-0.18
500500	2502.5	12@6	Bottom	/	18.45	19.2	0.075	0.09	-0.11
Body-Worn Test Data (15mm) - Power Level D2									
500500	2502.5	12@6	Front	/	18.45	19.2	0.058	0.07	-0.14
500500	2502.5	12@6	Rear	/	18.45	19.2	0.074	0.09	0.05



Table 13.69: SAR Values (NR n7 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1/B1									
513500	2567.5	12@6	Left Cheek	/	15.57	16.2	0.228	0.26	0.07
513500	2567.5	12@6	Left Tilt	/	15.57	16.2	0.287	0.33	0.01
513500	2567.5	12@6	Right Cheek	/	15.57	16.2	0.609	0.70	0.09
513500	2567.5	12@6	Right Tilt	49	15.57	16.2	0.798	0.92	-0.02
513500	2567.5	12@6	Right Tilt	B2	15.57	16.2	0.774	0.89	-0.02

Table 13.70: SAR Values (NR n7 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1/D1									
513500	2567.5	12@6	Front	/	19.09	19.7	0.184	0.21	0.06
513500	2567.5	12@6	Rear	/	19.09	19.7	0.762	0.88	-0.13
513500	2567.5	12@6	Left	/	19.09	19.7	0.135	0.16	0.08
513500	2567.5	12@6	Right	/	19.09	19.7	0.023	0.03	-0.14
513500	2567.5	12@6	Top	50	19.09	19.7	0.845	0.97	0.01
513500	2567.5	12@6	Top	B2	19.09	19.7	0.836	0.96	0.01
Body-Worn Test Data (15mm) - Power Level C1/D1									
513500	2567.5	12@6	Front	/	19.09	19.7	0.095	0.11	-0.14
513500	2567.5	12@6	Rear	51	19.09	19.7	0.327	0.38	0.05



Table 13.71: SAR Values (NR n7 - Head) – Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A2/B2									
513500	2567.5	12@6	Left Cheek	/	18.75	19.7	0.167	0.21	0.12
513500	2567.5	12@6	Left Tilt	/	18.75	19.7	0.120	0.15	0.04
513500	2567.5	12@6	Right Cheek	/	18.75	19.7	0.544	0.68	0.10
513500	2567.5	12@6	Right Tilt	/	18.75	19.7	0.163	0.20	-0.08

Table 13.72: SAR Values (NR n7 - Body) – Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C2									
513500	2567.5	12@6	Front	/	20.24	21.2	0.187	0.23	0.04
513500	2567.5	12@6	Rear	/	20.24	21.2	0.547	0.68	0.06
513500	2567.5	12@6	Left	/	20.24	21.2	0.247	0.31	0.05
513500	2567.5	12@6	Top	/	20.24	21.2	0.063	0.08	0.16
Body-Worn Test Data (15mm) - Power Level C2									
513500	2567.5	12@6	Front	/	20.24	21.2	0.119	0.15	0.16
513500	2567.5	12@6	Rear	/	20.24	21.2	0.240	0.30	0.09
Hotspot Test Data (10mm) - Power Level D2									
513500	2567.5	12@6	Front	/	17.27	18.2	0.090	0.11	0.14
513500	2567.5	12@6	Rear	/	17.27	18.2	0.280	0.35	0.07
513500	2567.5	12@6	Left	/	17.27	18.2	0.130	0.16	-0.04
513500	2567.5	12@6	Top	/	17.27	18.2	0.030	0.04	-0.12
Body-Worn Test Data (15mm) - Power Level D2									
513500	2567.5	12@6	Front	/	17.27	18.2	0.060	0.07	0.04
513500	2567.5	12@6	Rear	/	17.27	18.2	0.120	0.15	0.09



Table 13.73: SAR Values (NR n38 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1/B1									
519000	2595.0	25@12	Left Cheek	/	23.29	24.2	0.154	0.19	0.03
519000	2595.0	25@12	Left Tilt	/	23.29	24.2	0.119	0.15	-0.13
519000	2595.0	25@12	Right Cheek	/	23.29	24.2	0.332	0.41	0.11
519000	2595.0	25@12	Right Tilt	/	23.29	24.2	0.121	0.15	0.04
519000	2595.0	25@12	Right Cheek	B2	23.29	24.2	0.318	0.39	0.11

Table 13.74: SAR Values (NR n38 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1									
519000	2595.0	25@12	Front	/	23.29	24.2	0.464	0.57	0.30
519000	2595.0	25@12	Rear	/	23.29	24.2	0.633	0.78	0.12
519000	2595.0	25@12	Left	/	23.29	24.2	0.043	0.05	0.07
519000	2595.0	25@12	Right	/	23.29	24.2	0.285	0.35	0.03
519000	2595.0	25@12	Bottom	/	23.29	24.2	0.394	0.49	0.05
519000	2595.0	25@12	Rear	/	23.29	24.2	0.625	0.77	0.12
Body-Worn Test Data (15mm) - Power Level C1									
519000	2595.0	25@12	Front	/	23.29	24.2	0.222	0.27	0.12
519000	2595.0	25@12	Rear	/	23.29	24.2	0.275	0.34	0.07
Hotspot Test Data (10mm) - Power Level D1									
519000	2595.0	25@12	Front	/	22.27	23.2	0.383	0.47	-0.18
519000	2595.0	25@12	Rear	/	22.27	23.2	0.522	0.65	0.16
519000	2595.0	25@12	Left	/	22.27	23.2	0.035	0.04	-0.07
519000	2595.0	25@12	Right	/	22.27	23.2	0.235	0.29	0.02
519000	2595.0	25@12	Bottom	/	22.27	23.2	0.325	0.40	0.18
Body-Worn Test Data (15mm) - Power Level D1									
519000	2595.0	25@12	Front	/	22.27	23.2	0.183	0.23	0.07
519000	2595.0	25@12	Rear	/	22.27	23.2	0.241	0.30	0.01



Table 13.75: SAR Values (NR n38 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1/B1									
522000	2610.0	25@12	Left Cheek	/	13.87	15.2	0.215	0.29	0.11
522000	2610.0	25@12	Left Tilt	/	13.87	15.2	0.265	0.36	0.15
522000	2610.0	25@12	Right Cheek	/	13.87	15.2	0.646	0.88	0.03
522000	2610.0	25@12	Right Tilt	52	13.87	15.2	0.734	1.00	-0.04
522000	2610.0	25@12	Right Tilt	B2	13.87	15.2	0.719	0.98	-0.04

Table 13.76: SAR Values (NR n38 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1/D1									
522000	2610.0	25@12	Front	/	16.86	18.2	0.153	0.21	-0.09
522000	2610.0	25@12	Rear	/	16.86	18.2	0.630	0.86	-0.08
522000	2610.0	25@12	Left	/	16.86	18.2	0.139	0.19	0.05
522000	2610.0	25@12	Right	/	16.86	18.2	0.018	0.02	-0.13
522000	2610.0	25@12	Top	53	16.86	18.2	0.765	1.04	0.12
522000	2610.0	25@12	Top	B2	16.86	18.2	0.747	1.02	0.12
Body-Worn Test Data (15mm) - Power Level C1/D1									
522000	2610.0	25@12	Front	/	16.86	18.2	0.085	0.12	-0.05
522000	2610.0	25@12	Rear	54	16.86	18.2	0.279	0.38	0.05



Table 13.77: SAR Values (NR n41 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1/B1/A2									
528000	2640.0	135@67	Left Cheek	/	23.43	24.2	0.126	0.15	0.09
528000	2640.0	135@67	Left Tilt	/	23.43	24.2	0.100	0.12	0.19
528000	2640.0	135@67	Right Cheek	/	23.43	24.2	0.270	0.32	0.01
528000	2640.0	135@67	Right Tilt	/	23.43	24.2	0.099	0.12	0.05
528000	2640.0	135@67	Right Cheek	B2	23.43	24.2	0.258	0.31	0.01
Power Level B2									
528000	2640.0	135@67	Left Cheek	/	20.48	21.2	0.053	0.06	-0.12
528000	2640.0	135@67	Left Tilt	/	20.48	21.2	0.042	0.05	-0.08
528000	2640.0	135@67	Right Cheek	/	20.48	21.2	0.113	0.13	-0.20
528000	2640.0	135@67	Right Tilt	/	20.48	21.2	0.041	0.05	-0.05

Table 13.78: SAR Values (NR n41 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1/D1/C2									
528000	2640.0	135@67	Front	/	23.43	24.2	0.363	0.43	0.04
528000	2640.0	135@67	Rear	/	23.43	24.2	0.495	0.59	0.14
528000	2640.0	135@67	Left	/	23.43	24.2	0.031	0.04	0.10
528000	2640.0	135@67	Right	/	23.43	24.2	0.235	0.28	0.08
528000	2640.0	135@67	Bottom	/	23.43	24.2	0.269	0.32	-0.06
528000	2640.0	135@67	Rear	B2	23.43	24.2	0.478	0.57	0.14
Body-Worn Test Data (15mm) - Power Level C1/D1/C2									
528000	2640.0	135@67	Front	/	23.43	24.2	0.171	0.20	0.04
528000	2640.0	135@67	Rear	/	23.43	24.2	0.231	0.28	0.04
Hotspot Test Data (10mm) - Power Level D2									
528000	2640.0	135@67	Front	/	19.59	20.2	0.116	0.13	-0.15
528000	2640.0	135@67	Rear	/	19.59	20.2	0.158	0.18	0.01
528000	2640.0	135@67	Left	/	19.59	20.2	0.010	0.01	0.17
528000	2640.0	135@67	Right	/	19.59	20.2	0.075	0.09	-0.07
528000	2640.0	135@67	Bottom	/	19.59	20.2	0.086	0.10	-0.05
Body-Worn Test Data (15mm) - Power Level D2									
528000	2640.0	135@67	Front	/	19.59	20.2	0.055	0.06	-0.19
528000	2640.0	135@67	Rear	/	19.59	20.2	0.074	0.09	0.06



Table 13.79: SAR Values (NR n41 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1/B1									
501204	2506.0	25@12	Left Cheek	/	15.14	16.2	0.228	0.29	0.11
501204	2506.0	25@12	Left Tilt	/	15.14	16.2	0.293	0.37	0.14
501204	2506.0	25@12	Right Cheek	/	15.14	16.2	0.611	0.78	0.12
501204	2506.0	25@12	Right Tilt	55	15.14	16.2	0.776	0.99	0.09
501204	2506.0	25@12	Right Tilt	B2	15.14	16.2	0.771	0.98	0.09

Table 13.80: SAR Values (NR n41 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1/D1									
501204	2506.0	25@12	Front	/	18.13	19.2	0.199	0.25	-0.04
501204	2506.0	25@12	Rear	/	18.13	19.2	0.646	0.83	0.09
501204	2506.0	25@12	Left	/	18.13	19.2	0.104	0.13	0.10
501204	2506.0	25@12	Right	/	18.13	19.2	0.018	0.02	0.07
501204	2506.0	25@12	Top	56	18.13	19.2	0.804	1.03	0.19
501204	2506.0	25@12	Top	B2	18.13	19.2	0.786	1.01	0.19
Body-Worn Test Data (15mm) - Power Level C1/D1									
501204	2506.0	25@12	Front	/	18.13	19.2	0.105	0.13	0.02
501204	2506.0	25@12	Rear	57	18.13	19.2	0.291	0.37	-0.08



Table 13.81: SAR Values (NR n41 - Head) – Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A2									
518598	2593.0	135@67	Left Cheek	/	20.67	21.7	0.214	0.27	0.03
518598	2593.0	135@67	Left Tilt	/	20.67	21.7	0.149	0.19	0.09
518598	2593.0	135@67	Right Cheek	/	20.67	21.7	0.605	0.77	0.10
518598	2593.0	135@67	Right Tilt	/	20.67	21.7	0.176	0.22	0.14
Power Level B2									
518598	2593.0	135@67	Left Cheek	/	17.67	18.7	0.130	0.16	-0.03
518598	2593.0	135@67	Left Tilt	/	17.67	18.7	0.090	0.11	-0.01
518598	2593.0	135@67	Right Cheek	/	17.67	18.7	0.368	0.47	-0.05
518598	2593.0	135@67	Right Tilt	/	17.67	18.7	0.110	0.14	-0.07

Table 13.82: SAR Values (NR n41 - Body) – Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C2									
518598	2593.0	135@67	Front	/	20.67	21.7	0.170	0.22	0.02
518598	2593.0	135@67	Rear	/	20.67	21.7	0.404	0.51	0.01
518598	2593.0	135@67	Left	/	20.67	21.7	0.239	0.30	0.09
518598	2593.0	135@67	Top	/	20.67	21.7	0.062	0.08	0.02
Body-Worn Test Data (15mm) - Power Level C2									
518598	2593.0	135@67	Front	/	20.67	21.7	0.094	0.12	0.02
518598	2593.0	135@67	Rear	/	20.67	21.7	0.186	0.24	0.04
Hotspot Test Data (10mm) - Power Level D2									
518598	2593.0	135@67	Front	/	17.16	18.2	0.100	0.13	-0.10
518598	2593.0	135@67	Rear	/	17.16	18.2	0.230	0.29	-0.11
518598	2593.0	135@67	Left	/	17.16	18.2	0.140	0.18	-0.03
518598	2593.0	135@67	Bottom	/	17.16	18.2	0.040	0.05	0.01
Body-Worn Test Data (15mm) - Power Level D2									
518598	2593.0	135@67	Front	/	17.16	18.2	0.050	0.06	0.16
518598	2593.0	135@67	Rear	/	17.16	18.2	0.110	0.14	0.05



Table 13.83: SAR Values (NR n66 - Head) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1/B1									
342500	1712.5	12@6	Left Cheek	/	23.11	24.2	0.069	0.09	0.08
342500	1712.5	12@6	Left Tilt	/	23.11	24.2	0.039	0.05	-0.01
342500	1712.5	12@6	Right Cheek	/	23.11	24.2	0.057	0.07	0.04
342500	1712.5	12@6	Right Tilt	/	23.11	24.2	0.038	0.05	0.02
342500	1712.5	12@6	Left Cheek	B2	23.11	24.2	0.061	0.08	0.01

Table 13.84: SAR Values (NR n66 - Body) – Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1/D1									
342500	1712.5	12@6	Front	/	23.11	24.2	0.338	0.43	0.02
342500	1712.5	12@6	Rear	/	23.11	24.2	0.536	0.69	0.04
342500	1712.5	12@6	Left	/	23.11	24.2	0.090	0.12	0.07
342500	1712.5	12@6	Right	/	23.11	24.2	0.161	0.21	0.17
342500	1712.5	12@6	Bottom	59	23.11	24.2	0.747	0.96	-0.04
342500	1712.5	12@6	Rear	B2	23.11	24.2	0.522	0.67	0.04
Body-Worn Test Data (15mm) - Power Level C1/D1									
342500	1712.5	12@6	Front	/	23.11	24.2	0.191	0.25	0.13
342500	1712.5	12@6	Rear	/	23.11	24.2	0.290	0.37	0.06



Table 13.85: SAR Values (NR n66 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Power Level A1/B1									
355500	1777.5	12@6	Left Cheek	/	15.77	16.7	0.486	0.60	0.07
355500	1777.5	12@6	Left Tilt	/	15.77	16.7	0.575	0.71	-0.09
355500	1777.5	12@6	Right Cheek	/	15.77	16.7	0.624	0.77	0.05
355500	1777.5	12@6	Right Tilt	58	15.77	16.7	0.747	0.93	-0.01
355500	1777.5	12@6	Right Tilt	B2	15.77	16.7	0.729	0.90	-0.01

Table 13.86: SAR Values (NR n66 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C									
Hotspot Test Data (10mm) - Power Level C1									
355500	1777.5	12@6	Front	/	20.16	21.2	0.414	0.53	0.09
355500	1777.5	12@6	Rear	/	20.16	21.2	0.613	0.78	0.11
355500	1777.5	12@6	Left	/	20.16	21.2	0.065	0.08	0.04
355500	1777.5	12@6	Right	/	20.16	21.2	0.057	0.07	-0.05
355500	1777.5	12@6	Top	/	20.16	21.2	0.737	0.94	-0.15
355500	1777.5	12@6	Top	B2	20.16	21.2	0.719	0.91	-0.15
Body-Worn Test Data (15mm) - Power Level C1									
355500	1777.5	12@6	Front	/	20.16	21.2	0.218	0.28	0.05
355500	1777.5	12@6	Rear	60	20.16	21.2	0.300	0.38	0.07
Hotspot Test Data (10mm) - Power Level D1									
355500	1777.5	12@6	Front	/	19.61	20.7	0.367	0.47	-0.03
355500	1777.5	12@6	Rear	/	19.61	20.7	0.543	0.70	0.04
355500	1777.5	12@6	Left	/	19.61	20.7	0.058	0.07	0.06
355500	1777.5	12@6	Right	/	19.61	20.7	0.051	0.07	0.08
355500	1777.5	12@6	Top	/	19.61	20.7	0.653	0.84	-0.16
Body-Worn Test Data (15mm) - Power Level D1									
355500	1777.5	12@6	Front	/	19.61	20.7	0.193	0.25	-0.09
355500	1777.5	12@6	Rear	/	19.61	20.7	0.266	0.34	0.09

13.4. Test Results for Bluetooth

Table 13.87: SAR Values (Bluetooth - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C									
39	2441.0	GFSK	Left Cheek	61	12.01	13.0	0.135	0.17	0.06
39	2441.0	GFSK	Left Tilt	/	12.85	13.0	0.115	0.12	-0.14
39	2441.0	GFSK	Right Cheek	/	12.85	13.0	0.087	0.09	-0.10
39	2441.0	GFSK	Right Tilt	/	12.85	13.0	0.065	0.07	-0.05
39	2441.0	GFSK	Left Cheek	B2	12.01	13.0	0.128	0.16	0.03

Table 13.88: SAR Values (Bluetooth - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C									
Test Data (10mm)									
39	2441.0	GFSK	Front	/	12.01	13.0	0.052	0.07	-0.08
39	2441.0	GFSK	Rear	62	12.01	13.0	0.071	0.09	-0.03
39	2441.0	GFSK	Left	/	12.01	13.0	0.010	0.01	-0.04
39	2441.0	GFSK	Right	/	12.01	13.0	0.037	0.05	-0.02
39	2441.0	GFSK	Top	/	12.01	13.0	0.066	0.08	-0.04
39	2441.0	GFSK	Rear	B2	12.01	13.0	0.069	0.09	0.15
Test Data (15mm)									
39	2441.0	GFSK	Front	/	12.01	13.0	0.036	0.05	0.10
39	2441.0	GFSK	Rear	63	12.01	13.0	0.045	0.06	0.11



13.5. WLAN Evaluation for 2.4G

According to the KDB248227 D01, SAR is measured for 2.4GHz 802.11b DSSS using the initial test position procedure.

Table 13.89: SAR Values (WLAN 2.4G - Head) - Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C									
Power Level A1									
11	2462.0	802.11b	Left Cheek	64	16.44	17.5	0.850	1.08	-0.01
11	2462.0	802.11b	Left Tilt	/	16.44	17.5	0.685	0.87	0.14
11	2462.0	802.11b	Right Cheek	/	16.44	17.5	0.358	0.46	-0.07
11	2462.0	802.11b	Right Tilt	/	16.44	17.5	0.320	0.41	-0.19
1	2412.0	802.11b	Left Cheek	/	16.07	17.5	0.688	0.96	0.04
11	2462.0	802.11b	Left Cheek	B2	16.44	17.5	0.837	1.07	0.05
Power Level B1									
11	2462.0	802.11b	Left Cheek	/	11.96	13.0	0.299	0.38	0.09
11	2462.0	802.11b	Left Tilt	/	11.96	13.0	0.241	0.31	-0.13
11	2462.0	802.11b	Right Cheek	/	11.96	13.0	0.126	0.16	-0.20
11	2462.0	802.11b	Right Tilt	/	11.96	13.0	0.113	0.14	-0.06

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.90: SAR Values (WLAN - Head) – 802.11b (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
11	2462.0	Left Cheek	100%	100%	1.08	1.08

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.



Table 13.91: SAR Values (WLAN 2.4G - Body) - Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C									
Hotspot Test Data (10mm) - Power Level C1									
11	2462.0	802.11b	Front	/	18.49	19.5	0.196	0.25	0.18
11	2462.0	802.11b	Rear	65	18.49	19.5	0.263	0.33	0.06
11	2462.0	802.11b	Left	/	18.49	19.5	0.024	0.03	-0.01
11	2462.0	802.11b	Right	/	18.49	19.5	0.165	0.21	0.05
11	2462.0	802.11b	Top	/	18.49	19.5	0.212	0.27	-0.10
11	2462.0	802.11b	Rear	B2	18.49	19.5	0.249	0.31	0.08
Body-Worn Test Data (15mm) - Power Level C1									
11	2462.0	802.11b	Front	/	18.49	19.5	0.098	0.12	0.04
11	2462.0	802.11b	Rear	66	18.49	19.5	0.108	0.14	0.19
Hotspot Test Data (10mm) - Power Level D1									
11	2462.0	802.11b	Front	/	16.97	18.0	0.139	0.18	-0.07
11	2462.0	802.11b	Rear	/	16.97	18.0	0.187	0.24	0.11
11	2462.0	802.11b	Left	/	16.97	18.0	0.017	0.02	0.07
11	2462.0	802.11b	Right	/	16.97	18.0	0.117	0.15	0.02
11	2462.0	802.11b	Top	/	16.97	18.0	0.151	0.19	0.08
Body-Worn Test Data (15mm) - Power Level D1									
11	2462.0	802.11b	Front	/	16.97	18.0	0.070	0.09	0.16
11	2462.0	802.11b	Rear	/	16.97	18.0	0.077	0.10	-0.11

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit..

Table 13.92: SAR Values (WLAN - Body) – 802.11b (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
11	2462.0	Rear	100%	100%	0.33	0.33

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.



Table 13.93: SAR Values (WLAN 2.4G - Head) - Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C									
Power Level A1									
11	2462.0	802.11b	Left Cheek	/	15.98	17.5	0.034	0.05	0.12
11	2462.0	802.11b	Left Tilt	/	15.98	17.5	0.021	0.03	-0.17
11	2462.0	802.11b	Right Cheek	/	15.98	17.5	0.123	0.17	-0.18
11	2462.0	802.11b	Right Tilt	/	15.98	17.5	0.056	0.08	0.05
11	2462.0	802.11b	Right Cheek	B2	15.98	17.5	0.116	0.16	-0.10
Power Level B1									
11	2462.0	802.11b	Left Cheek	/	11.50	13.0	0.014	0.02	-0.11
11	2462.0	802.11b	Left Tilt	/	11.50	13.0	0.009	0.01	-0.04
11	2462.0	802.11b	Right Cheek	/	11.50	13.0	0.052	0.07	0.09
11	2462.0	802.11b	Right Tilt	/	11.50	13.0	0.024	0.03	0.10

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.94: SAR Values (WLAN - Head) – 802.11b (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
11	2462.0	Right Cheek	100%	100%	0.17	0.17

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.



Table 13.95: SAR Values (WLAN 2.4G - Body) - Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C									
Hotspot Test Data (10mm) - Power Level C1									
11	2462.0	802.11b	Front	/	17.95	19.5	0.037	0.05	0.10
11	2462.0	802.11b	Rear	/	17.95	19.5	0.138	0.20	0.17
11	2462.0	802.11b	Left	/	17.95	19.5	0.091	0.13	0.19
11	2462.0	802.11b	Right	/	17.95	19.5	0.003	0.00	0.09
11	2462.0	802.11b	Top	/	17.95	19.5	0.016	0.02	0.07
11	2462.0	802.11b	Rear	B2	17.95	19.5	0.122	0.17	0.12
Body-Worn Test Data (15mm) - Power Level C1									
11	2462.0	802.11b	Front	/	17.95	19.5	0.016	0.02	0.02
11	2462.0	802.11b	Rear	/	17.95	19.5	0.058	0.08	0.08
Hotspot Test Data (10mm) - Power Level D1									
11	2462.0	802.11b	Front	/	16.49	18.0	0.028	0.04	0.04
11	2462.0	802.11b	Rear	/	16.49	18.0	0.103	0.15	0.12
11	2462.0	802.11b	Left	/	16.49	18.0	0.068	0.10	0.09
11	2462.0	802.11b	Right	/	16.49	18.0	0.002	0.00	0.04
11	2462.0	802.11b	Top	/	16.49	18.0	0.012	0.02	-0.10
Body-Worn Test Data (15mm) - Power Level D1									
11	2462.0	802.11b	Front	/	16.49	18.0	0.012	0.02	0.05
11	2462.0	802.11b	Rear	/	16.49	18.0	0.043	0.06	0.08

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit..

Table 13.96: SAR Values (WLAN - Body) – 802.11b (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
11	2462.0	Rear	100%	100%	0.20	0.20

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.



13.6. WLAN Evaluation for 5G

Table 13.97: SAR Values (WLAN 5G - Head) – Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.6°C Liquid Temperature: 22.1°C									
U-NII-2A - Power Level A1									
56	5280.0	802.11a	Left Cheek	/	17.26	19.0	0.009	0.01	0.06
56	5280.0	802.11a	Left Tilt	/	17.26	19.0	0.025	0.04	-0.03
56	5280.0	802.11a	Right Cheek	/	17.26	19.0	0.075	0.11	-0.04
56	5280.0	802.11a	Right Tilt	/	17.26	19.0	0.057	0.09	-0.09
U-NII-2C - Power Level A1									
132	5660.0	802.11a	Left Cheek	/	17.34	19.0	0.026	0.04	-0.04
132	5660.0	802.11a	Left Tilt	/	17.34	19.0	0.009	0.01	0.01
132	5660.0	802.11a	Right Cheek	/	17.34	19.0	0.093	0.14	0.07
132	5660.0	802.11a	Right Tilt	/	17.34	19.0	0.061	0.09	0.06
U-NII-3 - Power Level A1									
157	5785.0	802.11a	Left Cheek	/	17.31	19.0	0.040	0.06	0.04
157	5785.0	802.11a	Left Tilt	/	17.31	19.0	0.056	0.08	0.03
157	5785.0	802.11a	Right Cheek	/	17.31	19.0	0.128	0.19	0.09
157	5785.0	802.11a	Right Tilt	/	17.31	19.0	0.086	0.13	0.05
157	5785.0	802.11a	Right Cheek	B2	17.31	19.0	0.111	0.16	0.04
U-NII-2A - Power Level B1									
56	5280.0	802.11a	Left Cheek	/	13.22	15.0	0.003	0.00	0.06
56	5280.0	802.11a	Left Tilt	/	13.22	15.0	0.009	0.01	-0.03
56	5280.0	802.11a	Right Cheek	/	13.22	15.0	0.028	0.04	0.12
56	5280.0	802.11a	Right Tilt	/	13.22	15.0	0.021	0.03	0.02
U-NII-2C - Power Level B1									
132	5660.0	802.11a	Left Cheek	/	12.37	14.0	0.008	0.01	0.03
132	5660.0	802.11a	Left Tilt	/	12.37	14.0	0.003	0.00	0.06
132	5660.0	802.11a	Right Cheek	/	12.37	14.0	0.027	0.04	0.09
132	5660.0	802.11a	Right Tilt	/	12.37	14.0	0.018	0.03	0.01
U-NII-3 - Power Level B1									
157	5785.0	802.11a	Left Cheek	/	12.32	14.0	0.011	0.02	0.14
157	5785.0	802.11a	Left Tilt	/	12.32	14.0	0.016	0.02	0.05
157	5785.0	802.11a	Right Cheek	/	12.32	14.0	0.036	0.05	-0.09
157	5785.0	802.11a	Right Tilt	/	12.32	14.0	0.024	0.04	0.04

Note:

1. U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is $\leq 1.2W/kg$, SAR is not required for U-NII-1 band.

2. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is $> 0.8 W/kg$, SAR is measured for these test positions/configurations on



the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.98: SAR Values (WLAN - Head) – 11ac-80M (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
157	5785.0	Right Cheek	100%	100%	0.19	0.19

Table 13.99: SAR Values (WLAN 5G - Body) – Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.6°C Liquid Temperature: 22.1°C									
U-NII-1- Hotspot Test Data (10mm) - Power Level C1/D1									
48	5240.0	802.11a	Front	/	17.39	19.0	0.021	0.03	0.09
48	5240.0	802.11a	Rear	/	17.39	19.0	0.067	0.10	0.06
48	5240.0	802.11a	Left	/	17.39	19.0	0.049	0.07	-0.03
48	5240.0	802.11a	Right	/	17.39	19.0	0.000	0.00	0.01
48	5240.0	802.11a	Top	/	17.39	19.0	0.035	0.05	0.02
U-NII-3- Hotspot Test Data (10mm) - Power Level C1/D1									
157	5785.0	802.11a	Front	/	17.31	19.0	0.032	0.05	0.09
157	5785.0	802.11a	Rear	/	17.31	19.0	0.083	0.12	0.01
157	5785.0	802.11a	Left	/	17.31	19.0	0.088	0.13	0.04
157	5785.0	802.11a	Right	/	17.31	19.0	0.000	0.00	0.00
157	5785.0	802.11a	Top	/	17.31	19.0	0.045	0.07	0.05
157	5785.0	802.11a	Left	B2	17.31	19.0	0.081	0.12	0.06
U-NII-2A Body-Worn Test Data (15mm) - Power Level C1/D1									
56	5280.0	802.11a	Front	/	17.26	19.0	0.016	0.02	-0.04
56	5280.0	802.11a	Rear	/	17.26	19.0	0.037	0.06	0.11
U-NII-2C Body-Worn Test Data (15mm) - Power Level C1/D1									
132	5660.0	802.11a	Front	/	17.34	19.0	0.027	0.04	-0.02
132	5660.0	802.11a	Rear	/	17.34	19.0	0.045	0.07	0.07
U-NII-3 Body-Worn Test Data (15mm) - Power Level C1/D1									
157	5785.0	802.11a	Front	/	17.31	19.0	0.035	0.05	0.09
157	5785.0	802.11a	Rear	69	17.31	19.0	0.076	0.11	0.00

Note:

1. U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.



2. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.100: SAR Values (WLAN - Body) – 802.11a (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
157	5785.0	Left	100%	100%	0.13	0.13



Table 13.101: SAR Values (WLAN 5G - Head) – Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.6°C Liquid Temperature: 22.1°C									
U-NII-2A - Power Level A1									
56	5280.0	802.11a	Left Cheek	/	17.52	19.0	0.315	0.44	0.03
56	5280.0	802.11a	Left Tilt	/	17.52	19.0	0.427	0.60	0.09
56	5280.0	802.11a	Right Cheek	/	17.52	19.0	0.256	0.36	0.05
56	5280.0	802.11a	Right Tilt	/	17.52	19.0	0.323	0.45	0.08
U-NII-2C - Power Level A1									
140	5700.0	802.11a	Left Cheek	/	17.67	19.0	0.361	0.49	0.06
140	5700.0	802.11a	Left Tilt	/	17.67	19.0	0.466	0.63	0.05
140	5700.0	802.11a	Right Cheek	/	17.67	19.0	0.336	0.46	0.04
140	5700.0	802.11a	Right Tilt	/	17.67	19.0	0.339	0.46	0.11
U-NII-3 - Power Level A1									
149	5745.0	802.11a	Left Cheek	67	17.54	19.0	0.488	0.68	0.05
149	5745.0	802.11a	Left Tilt	/	17.54	19.0	0.405	0.57	0.01
149	5745.0	802.11a	Right Cheek	/	17.54	19.0	0.344	0.48	0.07
149	5745.0	802.11a	Right Tilt	/	17.54	19.0	0.428	0.60	0.06
149	5745.0	802.11a	Left Cheek	B2	17.54	19.0	0.469	0.66	0.02
U-NII-2A - Power Level B1									
56	5280.0	802.11a	Left Cheek	/	13.53	15.0	0.137	0.19	0.03
56	5280.0	802.11a	Left Tilt	/	13.53	15.0	0.186	0.26	0.05
56	5280.0	802.11a	Right Cheek	/	13.53	15.0	0.112	0.16	0.11
56	5280.0	802.11a	Right Tilt	/	13.53	15.0	0.141	0.20	0.08
U-NII-2C - Power Level B1									
140	5700.0	802.11a	Left Cheek	/	12.67	14.0	0.115	0.16	0.05
140	5700.0	802.11a	Left Tilt	/	12.67	14.0	0.148	0.20	0.06
140	5700.0	802.11a	Right Cheek	/	12.67	14.0	0.107	0.15	-0.03
140	5700.0	802.11a	Right Tilt	/	12.67	14.0	0.108	0.15	0.13
U-NII-3 - Power Level B1									
149	5745.0	802.11a	Left Cheek	/	12.50	14.0	0.116	0.16	0.08
149	5745.0	802.11a	Left Tilt	/	12.50	14.0	0.096	0.14	0.12
149	5745.0	802.11a	Right Cheek	/	12.50	14.0	0.082	0.12	-0.04
149	5745.0	802.11a	Right Tilt	/	12.50	14.0	0.102	0.14	0.10

Note:

1. U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is $\leq 1.2W/kg$, SAR is not required for U-NII-1 band.

2. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is $> 0.8 W/kg$, SAR is measured for these test positions/configurations on



the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.102: SAR Values (WLAN - Head) – 11ac-80M (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
149	5745.0	Left Cheek	100%	100%	0.68	0.68

Table 13.103: SAR Values (WLAN 5G - Body) – Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.6°C Liquid Temperature: 22.1°C									
U-NII-1- Hotspot Test Data (10mm) - Power Level C1/D1									
48	5240.0	802.11a	Front	/	17.60	19.0	0.067	0.09	0.10
48	5240.0	802.11a	Rear	/	17.60	19.0	0.087	0.12	0.09
48	5240.0	802.11a	Left	/	17.60	19.0	0.016	0.02	0.06
48	5240.0	802.11a	Right	/	17.60	19.0	0.060	0.08	0.02
48	5240.0	802.11a	Top	/	17.60	19.0	0.146	0.20	0.08
U-NII-3- Hotspot Test Data (10mm) - Power Level C1/D1									
149	5745.0	802.11a	Front	/	17.54	19.0	0.068	0.10	0.06
149	5745.0	802.11a	Rear	/	17.54	19.0	0.069	0.10	0.09
149	5745.0	802.11a	Left	/	17.54	19.0	0.013	0.02	0.00
149	5745.0	802.11a	Right	/	17.54	19.0	0.096	0.13	0.09
149	5745.0	802.11a	Top	68	17.54	19.0	0.162	0.23	0.05
149	5745.0	802.11a	Top	B2	17.54	19.0	0.155	0.22	0.03
U-NII-2A Body-Worn Test Data (15mm) - Power Level C1/D1									
56	5280.0	802.11a	Front	15mm	17.52	19.0	0.042	0.06	0.06
56	5280.0	802.11a	Rear	15mm	17.52	19.0	0.050	0.07	-0.07
U-NII-2C Body-Worn Test Data (15mm) - Power Level C1/D1									
140	5700.0	802.11a	Front	15mm	17.67	19.0	0.036	0.05	0.09
140	5700.0	802.11a	Rear	15mm	17.67	19.0	0.033	0.04	0.08
U-NII-3 Body-Worn Test Data (15mm) - Power Level C1/D1									
149	5745.0	802.11a	Front	15mm	17.54	19.0	0.043	0.06	0.09
149	5745.0	802.11a	Rear	15mm	17.54	19.0	0.036	0.05	0.00

Note:

1. U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.



2. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.104: SAR Values (WLAN - Body) – 802.11a (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
149	5745.0	Top	100%	100%	0.23	0.23



13.7. Product specific 10g SAR

Table 13.105: SAR Values (WLAN 5G- Body) – Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Ambient Temperature: 22.6°C Liquid Temperature: 22.1°C									
U-NII-2A Test Data (0mm)									
56	5280.0	802.11a	Front	/	17.26	19.0	0.042	0.06	0.03
56	5280.0	802.11a	Rear	/	17.26	19.0	0.295	0.44	0.09
56	5280.0	802.11a	Left	/	17.26	19.0	0.106	0.16	0.06
56	5280.0	802.11a	Right	/	17.26	19.0	0.001	0.00	0.04
56	5280.0	802.11a	Top	/	17.26	19.0	0.037	0.06	0.03
56	5280.0	802.11a	Rear	B2	17.26	19.0	0.284	0.42	0.05
U-NII-2C Test Data (0mm)									
132	5660.0	802.11a	Front	/	17.34	19.0	0.063	0.09	0.08
132	5660.0	802.11a	Rear	/	17.34	19.0	0.296	0.43	0.04
132	5660.0	802.11a	Left	/	17.34	19.0	0.187	0.27	0.03
132	5660.0	802.11a	Right	/	17.34	19.0	0.000	0.00	0.12
132	5660.0	802.11a	Top	/	17.34	19.0	0.042	0.06	0.07

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 2.0 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 2.0 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.106: SAR Values (WLAN - Body) – 802.11a (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (10g)(W/kg)	Scaled reported SAR (10g)(W/kg)
Ch.	MHz					
56	5280.0	Rear	100%	100%	0.44	0.44