FCC SAR REPORT

Report No.: JYTSZ-R14-2500010

Applicant: INFINIX MOBILITY LIMITED

Address of Applicant: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: X6870

Trade mark Infinix

FCC ID: 2AIZN-X6870

Applicable standards: FCC 47 CFR Part 2.1093

Date of Test: 17 Jan., 2025 ~ 08 Mar., 2025

Test Result: Maximum Reported 1-g SAR (W/kg)
Head: 0.764 Body: 1.146 Hotspot: 1.149

Project by:	Eric Wang ***Project Engineer***	***Date:***	*13 Mar., 2025*
Reviewed by:	Viet Zhang ***Senior Engineer***	***Date:***	*13 Mar., 2025*
Approved by:	James Wei ***Manager***	***Date:***	*13 Mar., 2025*

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

2 Version

Version No.	Date	Description
00	*13 Mar., 2025*	*Original*

3 Contents

4 SAR Results Summary

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

Exposure Position	Frequency Band	Reported 1-g SAR (W/kg)	Equipment Class	Highest Reported 1-g SAR (W/kg)
Head	GSM 850	0.256	PCE	0.764
	PCS 1900	0.349		
	WCDMA Band II	0.532		
	WCDMA Band IV	0.353		
	WCDMA Band V	0.603		
	LTE Band 2	0.407		
	LTE Band 4	0.491		
	LTE Band 5	0.591		
	LTE Band 7	0.681		
	LTE Band 12	0.403		
	LTE Band 17	0.490		
	LTE Band 38	0.413		
	LTE Band 41	0.479		
	LTE Band 42	0.558		
	LTE Band 66	0.468		
	NR n5	0.764		
	NR n7	0.677		
	NR n12	0.508		
	NR n38	0.356		
	NR n41	0.492		
	NR n66	0.571		
	NR n71	0.153		
	NR n77 (3450MHz~3550MHz) &n78 (3450MHz~3550MHz)	0.620		
	NR n77 (3550MHz~3700MHz) &n78 (3550MHz~3700MHz)	0.578		
	NRn77 (3700MHz~3980MHz) &n78 (3700MHz~3800MHz)	0.608		
	WLAN 2.4 GHz	0.285	DTS	
	Bluetooth	0.023	DSS	
	WLAN 5.2 GHz	0.206	NII	
	WLAN 5.3 GHz	0.217		
	WLAN 5.6 GHz	0.222		
	WLAN 5.8 GHz	0.272		
Body (10 mm Gap)	GSM 850	0.617	PCE	1.146
	PCS 1900	0.495		
	WCDMA Band II	0.852		
	WCDMA Band IV	0.694		
	WCDMA Band V	0.524		
	LTE Band 2	0.171		
	LTE Band 4	0.772		
	LTE Band 5	0.309		
	LTE Band 7	1.146		
	LTE Band 12	0.501		

	LTE Band 17	0.568		
	LTE Band 38	0.733		
	LTE Band 41	0.845		
	LTE Band 42	0.143		
	LTE Band 66	0.758		
	NR n5	0.566		
	NR n7	0.167		
	NR n12	0.421		
	NR n38	0.578		
	NR n41	0.615		
	NR n66	0.766		
	NR n71	0.169		
	NR n77 (3450MHz~3550MHz) &n78 (3450MHz~3550MHz)	0.214		
	NR n77 (3550MHz~3700MHz) &n78 (3550MHz~3700MHz)	0.191		
	NRn77 (3700MHz~3980MHz) &n78 (3700MHz~3800MHz)	0.165		
	WLAN 2.4GHz	0.284	DTS	
	Bluetooth	0.013	DSS	
	WLAN 5.2 GHz	0.191	NII	
	WLAN 5.3 GHz	0.144		
	WLAN 5.6 GHz	0.151		
	WLAN 5.8 GHz	0.259		
Hotspot (10 mm Gap)	GSM 850	0.876	PCE	1.149
	PCS 1900	0.636		
	WCDMA Band II	1.004		
	WCDMA Band IV	0.763		
	WCDMA Band V	0.779		
	LTE Band 2	0.199		
	LTE Band 4	1.138		
	LTE Band 5	1.101		
	LTE Band 7	1.146		
	LTE Band 12	0.728		
	LTE Band 17	0.825		
	LTE Band 38	0.733		
	LTE Band 41	0.845		
	LTE Band 42	0.192		
	LTE Band 66	1.149		
	NR n5	1.084		
	NR n7	0.171		
	NR n12	0.560		
	NR n38	0.578		
	NR n41	0.615		
	NR n66	0.949		
	NR n71	0.244		
	NR n77 (3450MHz~3550MHz) &n78 (3450MHz~3550MHz)	0.320		
	NR n77	0.248		

	(3550MHz~3700MHz) &n78 (3550MHz~3700MHz)			
	NRn77 (3700MHz~3980MHz) &n78 (3700MHz~3800MHz)	0.198		
	WLAN 2.4 GHz	0.284	DTS	
	Bluetooth	0.013	DSS	
	WLAN 5.2 GHz	0.240	NII	
	WLAN 5.8 GHz	0.300		

<Highest Reported simultaneous SAR Summary>

Exposure Position	Frequency Band	Reported 1-g SAR (W/kg)	Equipment Class	Highest Reported Simultaneous Transmission 1-g SAR (W/kg)
Back	EN-DC 5A_n66A	1.267	PCE	1.551
	WLAN 2.4 GHz	0.284	DTS	
	NFC	0.000	DXX	

Note:

1. The highest simultaneous transmission is scalar summation of Reported standalone SAR per FCC KDB 690783 D01 v01r03, and scalar SAR summation of all possible simultaneous transmission scenarios are < 1.6W/kg.
2. This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-2005, and had been tested in accordance with the measurement methods and procedures specified in IEC/IEEE 62209-1528:2020.
3. For DFS operation type is slaver device without radar detection function, 5.3GHz WLAN and 5.6GHz WLAN does not support hotspot mode.

5 General Information

5.1 Client Information

Applicant:	INFINIX MOBILITY LIMITED
Address of Applicant:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	INFINIX MOBILITY LIMITED
Address of Manufacturer:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Factory:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address of Factory:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

5.2 General Description of EUT

Product Name:	Mobile Phone			
Model No.:	X6870			
Category of device	Portable device			
Operation Frequency:	GSM:	GSM850: 824.2~848.8 MHz	PCS 1900: 1850.2~1909.8 MHz	
	WCDMA:	Band II: 1852.4~1907.6 MHz	Band V: 826.4~846.6 MHz	
		Band IV: 1712.4~1752.6 MHz		
	LTE:	Band 2:1850MHz~1910MHz	Band 4:1710MHz~1755MHz	
		Band 5:824MHz~849MHz	Band 7: 2500MHz~2570MHz	
		Band 12: 699MHz~716MHz	Band 17: 704MHz~716MHz	
		Band 38: 2570MHz~2620MHz	Band 41: 2496MHz~2690MHz	
		Band 42:3450MHz~3550MHz	Band 66:1710MHz~1780MHz	
	5G NR	n5: 824MHz~849MHz	n7: 2500MHz~2570MHz	
		n12: 699-716MHz	n38: 2570MHz~2620MHz	
		n41: 2496MHz~2690MHz	n66:1710MHz~1780MHz	
		n71:663MHz~698MHz		
		n77: 3450MHz~3550MHz	n77: 3550MHz~3700MHz	
		n77: 3700MHz~3980MHz		
		n78: 3450MHz~3550MHz	n78: 3550MHz~3700MHz	
		n78: 3700MHz~3800MHz		
	LTE CA(UL):	CA_7C, CA_38C, CA_41C, CA_66C CA_B2A-B4A, CA_B2A-B5A, CA_B2A-B7A, CA_B4A-B5A, CA_B4A-B7A, CA_B4A-B17A, CA_B7A-B5A		
	Wi-Fi:	2412MHz~2462MHz	5150MHz-5250MHz	
		5250MHz-5350MHz	5470MHz-5725MHz	
		5725MHz-5850MHz		
	Bluetooth: 2402 MHz ~ 2480 MHz			
	NFC:13.56MHz			
Modulation technology:	GSM:	☒Voice(GMSK)	☒GPRS(GMSK)	☒EGPRS(GMSK, 8PSK)
	WCDMA:	☒RMC(QPSK)	☒HSUPA(QPSK)	☒HSDPA(QPSK,16QAM)
	LTE:	☒QPSK	☒16QAM	☒64QAM

	5G NR：	☒CP-OFDM(QPSK,16QAM,64QAM,256QAM)		
		☒DFT-s-OFDM(π /2 -BPSK,QPSK,16QAM,64QAM,256QAM)		
	Wi-Fi:	☒802.11b(DSSS)	☒802.11a/g/n/ac/ax (OFDM)	
	Bluetooth:	☒BDR(GFSK)	☒EDR(π /4-DQPSK, 8DPSK)	☒LE(GFSK)
	NFC:	☒ASK		
	SA: NR n5, n7,n12, n38, n41,n66, n71,n77, n78			
	NSA(EN-DC): DC_2A_n7A, DC_4A_n7A, DC_5A_n7A, DC_7A_n7A, DC_66A_n7A, DC_5A_n38A, DC_66A_n38A, DC_4A_n41A, DC_5A_n41A, DC_41A_n41A, DC_66A_n41A, DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A, DC_66A_n66A, DC_2A_n78A, DC_4A_n78A, DC_5A_n78A, DC_7A_n78A, DC_38A_n78A, DC_41A_n78A, DC_66A_n78A, DC_5A_n77A, DC_7A_n77A, DC_38A_n77A, DC_41A_n77A, DC_66A_n77A EN-DC with LTE 2CA： DC_7C_n78A, DC_41C_n78A, DC_7C_n77A, DC_41C_n77A, DC_41C_n41A, , DC_7A-7A_n78A, DC_2A-7A_n78, DC_2A-66A_n78, DC_2A-38A_n78A, DC_5A-7A_n78A, DC_7A-66A_n78A EN-DC with LTE 3CA: DC_2A-7C_n78 EN-DC with NR 2CA: DC_66_n7A-n78A, DC_2A_n7A-n78A, DC_7-n78C NR CA n7A-n78A, n78C is downlink CA			
Antenna Type:	Internal Antenna			
Antenna Gain:	GSM 850:	ANT2:-6.20 dBi	PCS 1900:	ANT3:-1.87 dBi
		ANT4:-6.02 dBi		ANT7:-4.95 dBi
	WCDMA Band II:	ANT3:-1.87 dBi	WCDMA Band V	ANT2:-6.20 dBi
		ANT7:-4.95 dBi		ANT4:-6.02 dBi
	WCDMA Band IV:	ANT3:-3.04 dBi		
		ANT7:-5.87 dBi		
	LTE Band 2:	ANT3:-1.87 dBi	LTE Band 4	ANT3:-3.04 dBi
		ANT5:-6.68 dBi		ANT5:-10.2 dBi
		ANT7:-4.95 dBi		ANT7:-5.87 dBi
	LTE Band 5:	ANT2:-6.20 dBi	LTE Band 7:	ANT3:-1.9 dBi
		ANT4:-6.02 dBi		ANT5:-10.61 dBi
				ANT7:-1.17 dBi
	LTE Band 12:	ANT2:-14.28dBi	LTE Band 17:	ANT2:-14.28dBi
		ANT4:-5.08 dBi		ANT4:-5.08 dBi
	LTE Band 38:	ANT3:-2.01 dBi	LTE Band 41:	ANT3:-2.01 dBi
		ANT5:-11.07 dBi		ANT5:-11.07 dBi
		ANT7:-2.00 dBi		ANT7:-2.00 dBi
	LTE Band 42:	ANT0:-6.69 dBi	LTE Band 66:	ANT3:-3.04 dBi
		ANT6:-6.31dBi		ANT5:-8.4 dBi
		ANT7:-3.56dBi		ANT7:-5.87dBi
		ANT8:-4.20 dBi		

	n5:	ANT2:-6.20 dBi	n7:	ANT3:-1.90 dBi
		ANT4:-6.02 dBi		ANT5:-10.61 dBi
				ANT7:-1.17dBi
	n12	ANT2:-14.28dBi	n38	ANT3:-2.01 dBi
		ANT4:-5.08 dBi		ANT7:-2.00 dBi
	n41	ANT3:-2.01 dBi	n66	ANT3:-3.04 dBi
		ANT7:-2.00 dBi		ANT5:-8.4 dBi
				ANT7:-5.87dBi
	n71	ANT2:-14.28dBi		
		ANT4:-5.08 dBi		
	n77:	ANT0:-6.69 dBi	n78:	ANT0:-6.69 dBi
		ANT6:-6.31dBi		ANT6:-6.31dBi
		ANT7:-3.56dBi		ANT7:-3.56dBi
		ANT8:-4.20 dBi		ANT8:-4.20 dBi
	Bluetooth:	ANT12:-2.67 dBi	2.4G Wi-Fi:	ANT12:-2.67 dBi
				ANT13:-4.82 dBi
	5G Wi-Fi:	ANT0:-3.0 dBi		
(E)GPRS Class:	(E)GPRS Class: 12			
DFS Operation Type:	☐ Master Device ☐ Slaver Device with Radar detection function ☒ Slaver Device without Radar detection function			
Dimensions (L*W*H):	165 mm (L)× 75 mm (W)× 8 mm (H)			
Accessories information:	Adapter: Model: U450XSB Input: AC100-240V, 50/60Hz, 1.8A Output: DC 5.0V, 3.0A 15.0W or 5.0-10.0V, .4.5A or 11.0V, 4.1A 45.0W MAX		Battery: Rechargeable Li-ion Polymer Battery DC3.91V, 5100mAh	
			Headset: Support headset	

5.3 Maximum RF Output Power

Mode	Average Power (dBm)	
	GSM 850	PCS 1900
GSM (Voice)	33.31	30.32
GPRS (1 TX Slot)	33.27	30.37
GPRS (2 TX Slots)	32.08	29.43
GPRS (3 TX Slots)	29.85	27.43
GPRS (4 TX Slots)	28.42	26.10
EGPRS (1 TX Slot)	27.97	26.71
EGPRS (2 TX Slots)	26.72	25.54
EGPRS (3 TX Slots)	24.62	23.33
EGPRS (4 TX Slots)	23.34	22.10

Mode	Average Power (dBm)		
	WCDMA Band II	WCDMA Band IV	WCDMA Band V
AMR 12.2 kbps	23.85	23.84	24.17
RMC 12.2 kbps	23.96	23.82	24.18
HSDPA Sub-test 1	24.10	23.86	24.23
HSDPA Sub-test 2	23.57	23.41	23.75
HSDPA Sub-test 3	23.55	23.46	23.79
HSDPA Sub-test 4	23.60	23.41	23.75
HSUPA Sub-test 1	21.93	21.83	22.23
HSUPA Sub-test 2	22.41	22.30	22.72
HSUPA Sub-test 3	22.95	22.81	23.22
HSUPA Sub-test 4	21.93	21.84	22.25
HSUPA Sub-test 5	23.91	23.80	24.21

Mode	Average Power (dBm)									
	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 38	LTE Band 41	LTE Band 42	LTE Band 66
BW/1.4 MHz	24.07	23.92	24.49	/	24.35	/	/	/	/	23.75
BW/3.0 MHz	24.11	23.91	24.55	/	24.37	/	/	/	/	23.77
BW/5.0 MHz	24.29	24.08	24.72	23.40	24.57	24.62	23.73	24.28	23.37	23.94
BW/10 MHz	24.19	24.06	24.67	23.28	24.45	24.48	23.59	24.32	23.44	23.79
BW/15 MHz	24.23	24.14	/	23.39	/	/	23.8	24.47	22.87	23.83
BW/20 MHz	24.28	24.02	/	23.45	/	/	23.66	24.25	22.87	23.87

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Mode	Average Power (dBm)					
	LTE Band 2	LTE Band 4	LTE Band 7	LTE Band 38	LTE Band 41	LTE Band 66
BW/1.4 MHz	20.79	20.63	/	/	/	20.32
BW/3.0 MHz	20.85	20.57	/	/	/	20.33
BW/5.0 MHz	20.97	20.75	20.63	21.32	21.68	20.51
BW/10 MHz	21.04	20.67	20.51	21.23	21.73	20.39
BW/15 MHz	21.06	20.73	20.57	21.35	21.89	20.47
BW/20 MHz	21.09	20.81	20.77	21.21	21.70	20.40

Mode	Average Power (dBm)									
	NR n5	NR n7	NR n12	NR n38	NR n41	NR n66	NR n71	NR n77 3450-3550	NR n77 3550-3700	NR n77 3700-3980
BW/10MHz	23.99	22.76	24.01	22.99	23.18	22.83	23.87	27.78	27.61	27.62
BW/15MHz	23.95	22.73	23.89	23.02	23.24	22.80	23.73	27.80	27.60	27.56
BW/20 MHz	24.15	22.71	/	22.97	23.21	22.74	23.82	27.81	27.64	27.66
BW/30MHz	/	/	/	/	/	/	/	27.73	27.60	27.61
BW/40MHz	/	/	/	23.00	/	22.71	/	27.68	27.61	27.68
BW/50MHz	/	/	/	/	/	/	/	27.73	27.57	27.70
BW/60MHz	/	/	/	/	/	/	/	27.70	27.55	27.68
BW/70MHz			/	/	/	/	/	28.09	26.37	28.06
BW/80MHz	/	/	/	/	/	/	/	28.06	27.56	27.74
BW/90MHz	/	/	/	/	/	/	/	27.71	27.59	27.73
BW/100MHz	/	/	/	/	23.21	/	/	27.64	27.60	27.41

ANT 12:

WLAN 2.4 GHz Band Average Power (dBm)				
Mode/Band	b	g	n (HT-20)	AX 20
WLAN 2.4GHz	16.44	15.92	15.02	14.74

ANT 13:

WLAN 2.4 GHz Band Average Power (dBm)				
Mode/Band	b	g	n (HT-20)	AX 20
WLAN 2.4GHz	17.43	16.81	15.55	15.23

WLAN 5.2 GHz Band Average Power (dBm)									
Mode/Band	a	ac 20	ac 40	ac 80	ax20	ax40	ax80	n 20	n 40
WLAN 5.2GHz	16.28	15.48	14.93	14.32	14.78	14.22	14.12	15.82	15.08

WLAN 5.3 GHz Band Average Power (dBm)									
Mode/Band	a	ac 20	ac 40	ac 80	ax20	ax40	ax80	n 20	n 40
WLAN 5.3GHz	16.43	15.30	15.26	14.25	14.71	15.05	14.11	15.89	15.30

WLAN 5.6 GHz Band Average Power (dBm)									
Mode/Band	a	ac 20	ac 40	ac 80	ax20	ax40	ax80	n 20	n 40
WLAN 5.6GHz	16.10	15.55	15.61	14.91	14.29	14.35	14.16	15.13	15.62

WLAN 5.8 GHz Band Average Power (dBm)									
Mode/Band	a	ac 20	ac 40	ac 80	ax20	ax40	ax80	n 20	n 40
WLAN 5.8GHz	17.11	16.19	15.15	14.60	15.82	15.47	14.81	16.04	15.57

Bluetooth Average Power (dBm)							
Mode/Band	1 Mbps (GFSK)	2 Mbps (π/4DQPSK)	3 Mbps (8DPSK)	BLE PHY 1M	BLE PHY 2M	BLE Coded PHY S=2	BLE Coded PHY S=8
Bluetooth	6.93	6.14	5.83	5.75	5.82	5.73	5.77

NFC Band Average Power (dBm)	
Mode/Band	ASK
NFC	-45.62

5.4 Environment of Test Site

Temperature:	18°C ~25 °C
Humidity:	35%~75% RH
Atmospheric Pressure:	1010 mbar

5.5 Test Sample Plan

Sample Number	Used for Test Items
SZR142500010-2	SAR
***Remark**: JianYan Testing Group Shenzhen Co., Ltd. is only responsible for the test project data of the above samples, and will keep the above samples for a month.*	

5.6 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.7 Test Location

JianYan Testing Group Shenzhen Co., Ltd.
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Email: info-JYTee@lets.com, Website: http://jyt.lets.com

6 Introduction

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:

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

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

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

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength. However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

7 RF Exposure Limits

7.1 Uncontrolled Environment

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

7.2 Controlled Environment

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

7.3 RF Exposure Limits

SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6

HUMAN EXPOSURE LIMITS		
	UNCONTROLLED ENVIRONMENT *General Population* (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT *Occupational* (W/kg) or (mW/g)
SPATIAL PEAK SAR Brain	1.6	8.0
SPATIAL AVERAGE SAR Whole Body	0.08	0.4
SPATIAL PEAK SAR Hands, Feet, Ankles, Wrists	4.0	20

Note:

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

8 SAR Measurement System

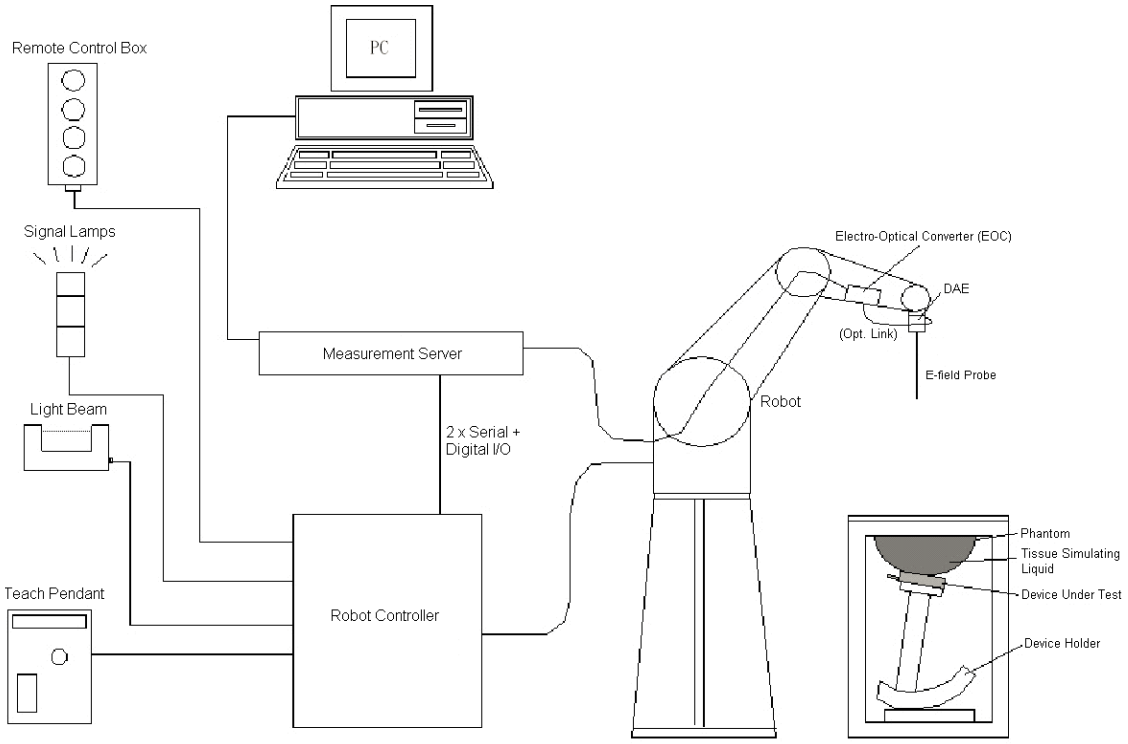

Fig. 8.1 SPEAG DASY System Configurations

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

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

Component details are described in the following sub-sections.

8.1 E-Field Probe

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

➢ **E-Field Probe Specification**
<EX3DV4 Probe>

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Frequency Directivity	10 MHz to 6 GHz; Linearity: ± 0.2 dB ± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	10 µW/g to 100 mW/g; Linearity: ± 0.2 dB (noise: typically < 1 µW/g)
Dimensions	Overall length: 330 mm (Tip: 20mm) Tip diameter: 2.5 mm (Body: 12mm) Typical distance from probe tip to dipole centers: 1 mm

Fig. 8.2 Photo of E-Field Probe

➢ **E-Field Probe Calibration**
Each probe needs to be calibrated according to a dosimetric assessment procedure with accuracy better than ± 10%. The spherical isotropy shall be evaluated and within ± 0.25 dB. The sensitivity parameters (Norm X, Norm Y and Norm Z), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe are tested. The calibration data can be referred to appendix E of this report.

8.2 Data Acquisition Electronics (DAE)

The Data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock. The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

Fig. 8.3 Photo of DAE

8.3 Robot

The SPEAG DASY system uses the high precision robots (DASY5: TX60L) type from St?ubli SA (France). For the 6-axis controller system, the robot controller version (DASY5: CS8c) from St?ubli is used. The St?ubli robot series have many features that are important for our application:

- High precision (repeatability 0.02 mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance free due to direct drive gears; nobelt drives)
- Jerk-free straight movements
- Low ELF interference (motor control fields shielded via the closed metallic construction shields)

Fig. 8.4 Photo of Robot

8.4 Measurement Server

The measurement server is based on a PC/104 CPU board with CPU (DASY 5: 400MHz, Intel Celeron), chip-disk (DASY5: 128 MB), RAM (DASY5: 128 MB). The necessary circuits for communication with the DAE electronic box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY I/O board, which is directly connected to the PC/104 bus of the CPU board.
The measurement server performs all the real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operations.

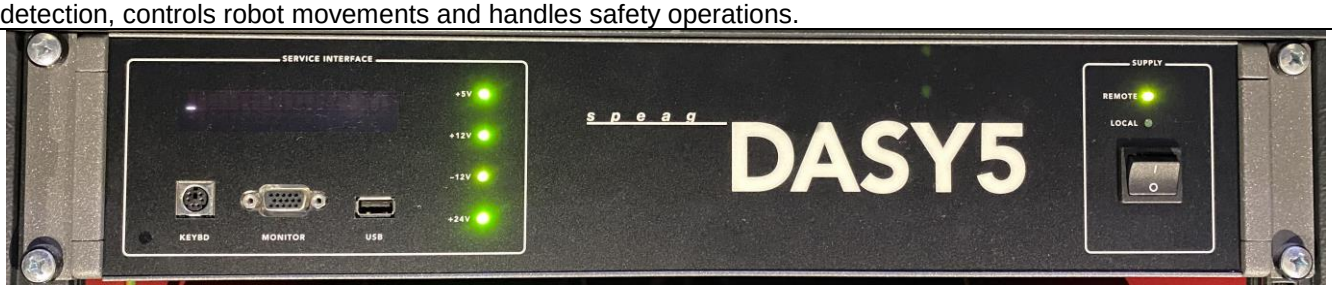

Fig. 8.5 Photo of Server for DASY5

8.5 Light Beam Unit

The light beam switch allows automatic "tooling" of the probe. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip.
The repeatability of this process is better than0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.

Fig. 8.6 Photo of Light Beam

8.6 Phantom

<SAM Twin Phantom>

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume **Dimensions**	Approx. 25 liters Length: 1000mm; Width: 500mm; Height: adjustable feet
Measurement Areas	Left Head, Right Head, Flat phantom

Fig. 8.7 Photo of SAM Twin Phantom

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

<ELI4 Phantom >

The ELI4 phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30MHz to 6 GHz. ELI4 is fully compatible with the latest draft of the standard IEC 62209-2 and all known tissue simulating liquids.
ELI4 has been optimized regarding its performance and can be integrated into a SPEAG standard phantom table. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points
The phantom can be used with the following tissue simulating liquids:

- Water-sugar based liquids can be left permanently in the phantom. Always cover the liquid if the system is not in use; otherwise the parameters will change due to water evaporation.
- DGBE based liquids should be used with care. As DGBE is a softener for most plastics, the liquid should be taken out of the phantom and the phantom should be dried when the system is not in use (desirable at least once a week).
- Do not use other organic solvents without previously testing the phantom resistiveness

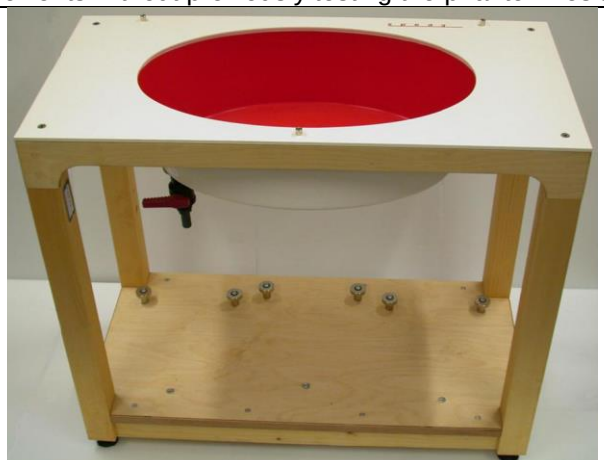

Fig.8.8 Photo of ELI4 Phantom

8.7 Device Holder

<Device Holder for SAM Twin Phantom>

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.
The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (ERP).
Thus the device needs no repositioning when changing the angles.
The DASY device holder is constructed of low-low POM material having the following dielectric parameters: relative permittivity ε = 3 and loss tangent δ = 0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

Fig. 8.9 Photo of Device Holder

8.8 Data storage and Evaluation

- **Data Storage**

The DASY software stores the assessed data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all the necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files. The post-processing software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verifications of the complete software setup even after the measurement and allows correction of erroneous parameter settings. For example, if a measurement has been performed with an incorrect crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be reevaluated.

The measured data can be visualized or exported in different units or formats, depending on the selected probe type (e.g., [V/m], [mW/g]). Some of these units are not available in certain situations or give meaningless results, e.g., a SAR-output in a non-lose media, will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

- **Data Evaluation**

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

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

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

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power.

The formula for each channel can be given as:

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

With V_i = compensated signal of channel i, (i = x, y, z)
U_i = input signal of channel i, (i = x, y, z)
cf = crest factor of exciting field (DASY parameter)
dcp^i = diode compression point (DASY parameter)

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

E- Field Probes: $E_i = \sqrt{\frac{v_i}{Norm_i \cdot ConvF}}$

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

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

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

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

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

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

With SAR = local specific absorption rate in mW/g
E_{tot} = total field strength in V/m
σ = conductivity in (mho/m) or (Siemens/m)
ρ = equipment tissue density in g/cm^3

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

8.9 Test Equipment List

Manufacturer	Equipment Description	Model	Management Number	Cal. Information	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	WXJ023	05.18.2023	05.17.2026
SPEAG	835MHz System Validation Kit	D835V2	WXJ023-1	06.08.2022	06.07.2025
SPEAG	1750MHz System Validation Kit	D1750V2	WXJ023-6	01.17.2024	01.16.2027
SPEAG	1900MHz System Validation Kit	D1900V2	WXJ023-2	06.07.2022	06.06.2025
SPEAG	2450MHz System Validation Kit	D2450V2	WXJ023-3	06.06.2022	06.05.2025
SPEAG	2600MHz System Validation Kit	D2600V2	WXJ023-4	10.23.2024	10.22.2027
SPEAG	3300MHz System Validation Kit	D3300V2	WXJ023-7	01.17.2024	01.16.2027
SPEAG	3500MHz System Validation Kit	D3500V2	WXJ023-8	01.22.2024	01.21.2027
SPEAG	3700MHz System Validation Kit	D3700V2	WXJ023-9	01.17.2024	01.16.2027
SPEAG	3900MHz System Validation Kit	D3900V2	WXJ023-10	01.22.2024	01.21.2027
SPEAG	5GHz System Validation Kit	D5GHzV2	WXJ023-14	01.16.2024	01.15.2027
SPEAG	Data Acquisition Electronics	DAE4	WXJ021-1	03.26.2024	03.25.2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	WXJ022	03.20.2024	03.19.2025
SPEAG	DASY 52 Measurement Software	DASY 52	Version 52.10.4.1527	N.C.R	N.C.R
SPEAG	DASY 52 File Conversion Software	SEMCAD X	Version 14.6.14 (7501)	N.C.R	N.C.R
SPEAG	Robot Controller	CS8Cspeag-TX60	WXG021-1	N.C.R	N.C.R
SPEAG	Phantom	Twin SAM Phantom	WXG021-4	N.C.R	N.C.R
SPEAG	Phantom	ELI V5.0	WXG021-5	N.C.R	N.C.R
SPEAG	Phone Positioner	N/A	WXG021-6	N.C.R	N.C.R
St?ubli	Robot	TX60Lspeag	WXG021-3	N.C.R	N.C.R
KEYSIGHT	UXM 5G Wireless Test Platform	E7515B	WXJ008-6	09.10.2024	09.09.2025
R&S	Broadband radio communication tester	CMW500	WXJ008-3	06.11.2024	06.10.2025
Anritsu	Universal Radio Communication Analyzer	MT8820C	WXJ008-5	12.16.2024	12.15.2026
R&S	Universal Radio Communication Tester	CMU200	WXJ008-2	12.27.2023	12.26.2025
KEYSIGHT	Network Analyzer	E5071C	WXJ091	12.16.2024	12.15.2025
KEYSIGHT	EPM Series Power Meter	N1914A	WXJ075	06.11.2024	06.10.2025
KEYSIGHT	E-Series Power Sensor	E9300H	WXJ075-1	06.11.2024	06.10.2025
KEYSIGHT	E-Series Power Sensor	E9300H	WXJ075-2	06.11.2024	06.10.2025
KEYSIGHT	Signal Generator	N5173B	WXJ006-3	09.09.2024	09.08.2025
Huber Suhner	RF Cable	SUCOFLEX	WXG008-13	See Note 3	
Huber Suhner	RF Cable	SUCOFLEX	WXG008-14	See Note 3	
Huber Suhner	RF Cable	SUCOFLEX	WXG008-15	See Note 3	
Weinschel	Attenuator	23-3-34	WXG008-16	See Note 3	
Anritsu	Directional Coupler	MP654A	WXG008-17	See Note 3	
SPEAG	Dielectric Assessment Kit	3.5 Probe	WXG008-7	See Note 4	
SPEAG	DAK Measurement Software	DAK	Version: DAK 3.5	N.C.R	
TXC	Broadband Amplifier	BBA018000	WXG008-11	See Note 5	

Note:

1. The calibration certificate of DASY can be referred to appendix C of this report.
2. Referring to KDB 865664 D01v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval.
3. The Insertion Loss calibration of Dual Directional Coupler and Attenuator were characterized via the network analyzer

and compensated during system check.

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

9 Tissue Simulating Liquids

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 9.1, for body SAR testing, the liquid height from the center of the flat phantom to liquid top surface is larger than 15 cm, which is shown in Fig. 9.2.

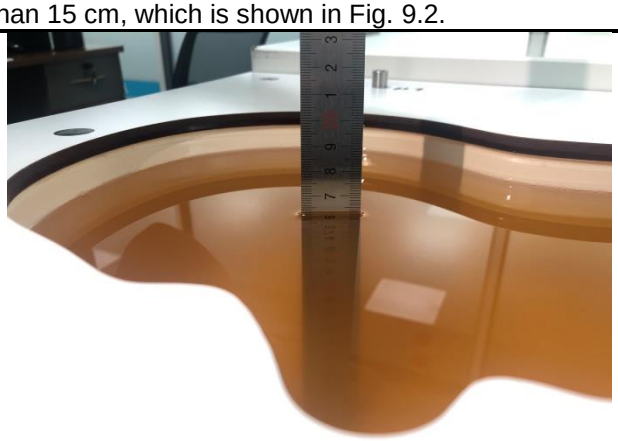

Fig. 9.1 Photo of Liquid Height for Head SAR

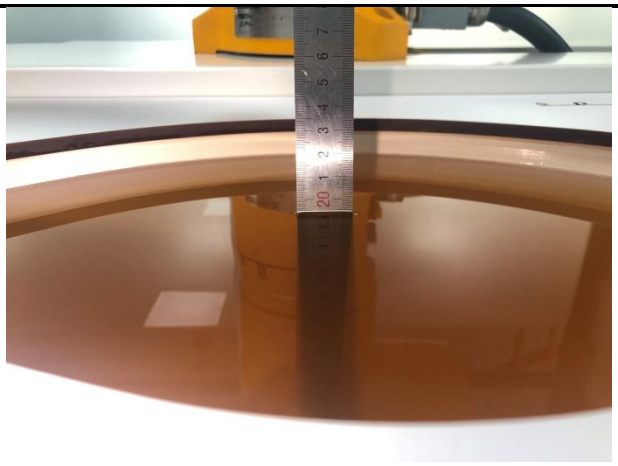

Fig. 9.2 Photo of Liquid Height for Body SAR

The relative permittivity and conductivity of the tissue material should be within ±5% of the values given in the table below recommended by the FCC OET 65 supplement C and RSS 102 Issue 5.

Target Frequency (MHz)	εr	σ(S/m)
150	52.3	0.76
300	45.3	0.87
450	43.5	0.87
835	41.5	0.90
900	41.5	0.97
915	41.5	0.98
1450	40.5	1.20
1610	40.3	1.29
1800-2000	40.0	1.40
2450	39.2	1.80
3000	38.5	2.40
5800	35.3	5.27

(εr = relative permittivity, σ = conductivity and ρ = 1000 kg/m^3)

The dielectric parameters of liquids were verified prior to the SAR evaluation using a Speag Dielectric Probe Kit and an Agilent Network Analyzer.
The following table shows the measuring results for simulating liquid.

Frequency (MHz)	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (εr)	Conductivity Target(σ)	Permittivity Target(εr)	Delta (σ)%	Delta (εr)%	Limit (%)	Date (mm/dd/yy)
750	22.5	0.88	41.16	0.89	41.90	-1.24	-1.76	±5	2.8.2025
750	22.3	0.87	41.22	0.89	41.90	-2.25	-1.62	±5	2.10.2025
835	22.1	0.89	40.77	0.90	41.50	-0.78	-1.77	±5	2.12.2025
1750	22.3	1.34	39.81	1.37	40.10	-2.41	-0.72	±5	1.23.2025
1750	22.4	1.37	39.86	1.37	40.10	0.00	-0.60	±5	1.25.2025
1900	22.4	1.36	39.73	1.40	40.00	-2.64	-0.67	±5	1.17.2025
2450	22.1	1.75	38.93	1.80	39.20	-2.67	-0.68	±5	2.18.2025
2600	22.3	1.91	38.74	1.96	39.00	-2.55	-0.66	±5	2.22.2025
2600	22.4	1.95	38.79	1.96	39.00	-0.51	-0.54	±5	2.23.2025
3500	22.7	2.93	37.66	2.91	37.90	0.62	-0.63	±5	2.25.2025
3500	22.1	2.89	37.51	2.91	37.90	-0.69	-1.03	±5	2.28.2025
3700	22.7	3.13	37.43	3.12	37.70	0.42	-0.71	±5	3.1.2025
3900	22.5	3.34	37.20	3.32	37.50	0.60	-0.79	±5	3.2.2025
5200	22.1	4.59	35.47	4.66	36.00	-1.57	-1.46	±5	3.5.2025
5300	22.1	4.69	35.36	4.76	35.90	-1.47	-1.50	±5	3.5.2025
5600	22.2	4.99	35.02	5.07	35.50	-1.58	-1.36	±5	3.8.2025
5800	22.2	5.19	34.79	5.27	35.30	-1.44	-1.44	±5	3.8.2025

10 SAR System Verification

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

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

- **System Setup**

In the simplified setup for system evaluation, the EUT 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:

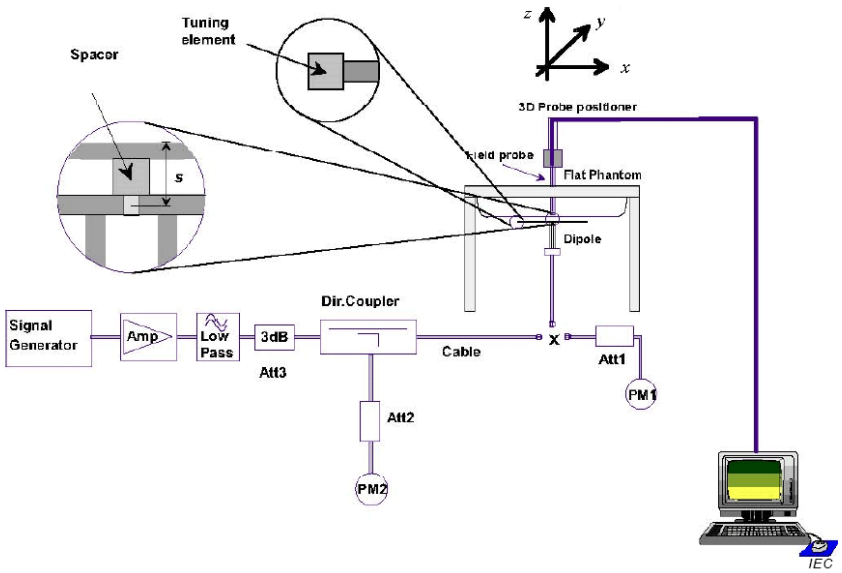

Fig.10.1 System Verification Setup Diagram

Fig.10.2 Photo of Dipole setup

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➢ **System Verification Results**

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10%. The table as below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix C of this report.

Date (mm/dd/yy)	Frequency (MHz)	Power fed onto dipole (mW)	Measured 1g SAR (W/kg)	Normalized to1W 1g SAR (W/kg)	1W Target 1g SAR (W/kg)	Deviation (%)
2.8.2025	750	80	0.701	8.76	8.55	2.46
2.10.2025	750	80	0.713	8.91	8.55	4.21
2.12.2025	835	80	0.801	10.01	9.6	4.27
1.23.2025	1750	40	1.480	37.00	36.5	1.37
1.25.2025	1750	40	1.430	35.75	36.5	-2.05
1.17.2025	1900	40	1.640	41.00	39.9	2.76
2.18.2025	2450	40	2.160	54.00	53.4	1.12
2.22.2025	2600	40	2.270	56.75	56.3	0.80
2.23.2025	2600	40	2.260	56.50	56.3	0.36
2.25.2025	3500	40	2.620	65.50	66.2	-1.06
2.28.2025	3500	40	2.610	65.25	66.2	-1.44
3.1.2025	3700	40	2.710	67.75	66.5	1.88
3.2.2025	3900	40	2.730	68.25	68.0	0.37
3.5.2025	5200	40	3.120	78.00	77.00	1.30
3.5.2025	5300	40	3.220	80.50	79.20	1.64
3.8.2025	5600	40	3.370	84.25	81.90	2.87
3.8.2025	5800	40	3.170	79.25	78.90	0.44

11 EUT Testing Position

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

11.1 Handset Reference Points

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

Fig.11.1 Illustration for Front, Back and Side of SAM Phantom

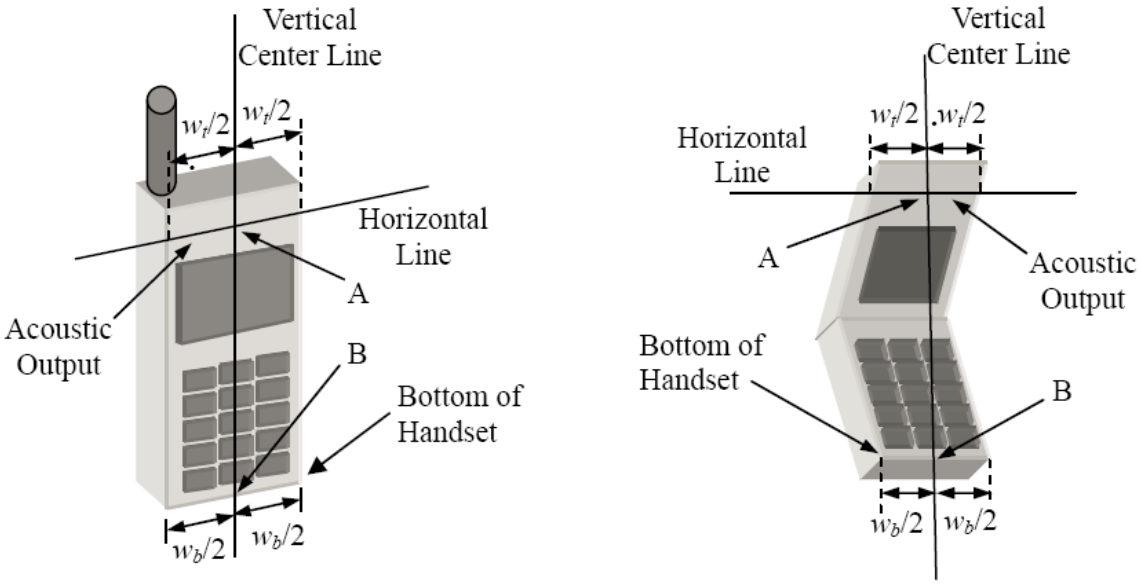

Fig. 11.2 Illustration for Handset Vertical and Horizontal Reference Lines

11.2 Positioning for Cheek / Touch

- To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost (see below figure)

Fig. 11.3 Illustration for Cheek Position

11.3 Positioning for Ear / 15o Tilt

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

Fig.11.4 Illustration for Tilted Position

11.4 SAR Evaluations near the Mouth/Jaw Regions of the SAM Phantom

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

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

11.5 Body Worn Accessory Configurations

- To position the device parallel to the phantom surface with either keypad up or down.
- To adjust the device parallel to the flat phantom.
- To adjust the distance between the device surface and the flat phantom to 10 mm or holster surface and the flat phantom to 0 mm.

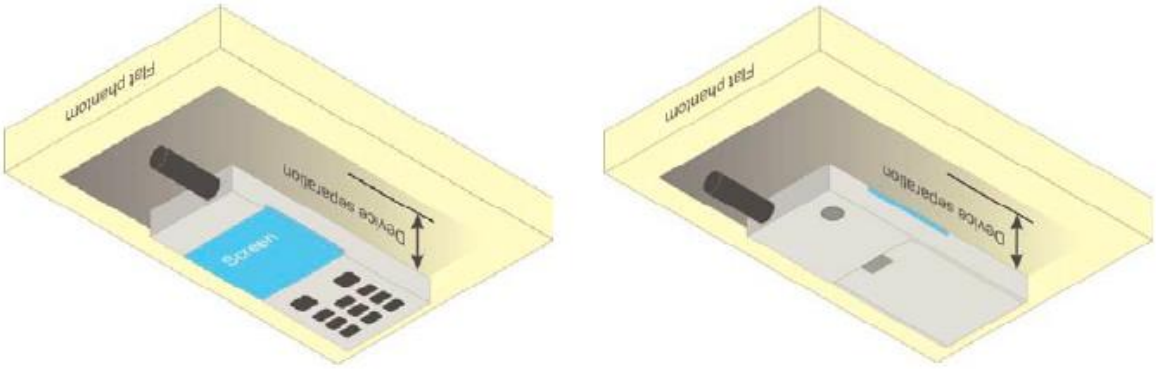

Fig.11.5 Illustration for Body Worn Position

11.6 Wireless Router (Hotspot) Configurations

Some battery-operated handsets have the capability to transmit and receive internet connectivity through simultaneous transmission of WIFI in conjunction with a separate licensed transmitter. The FCC has provided guidance in KDB Publication 941225 D06 where SAR test considerations for handsets (L x W ≥
9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device with antennas 2.5 cm or closer to the edge of the device, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. Therefore, SAR must be evaluated for each frequency transmission and mode separately and summed with the WIFI transmitter according to KDB 648474 publication procedures. The “Portable Hotspot” feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.

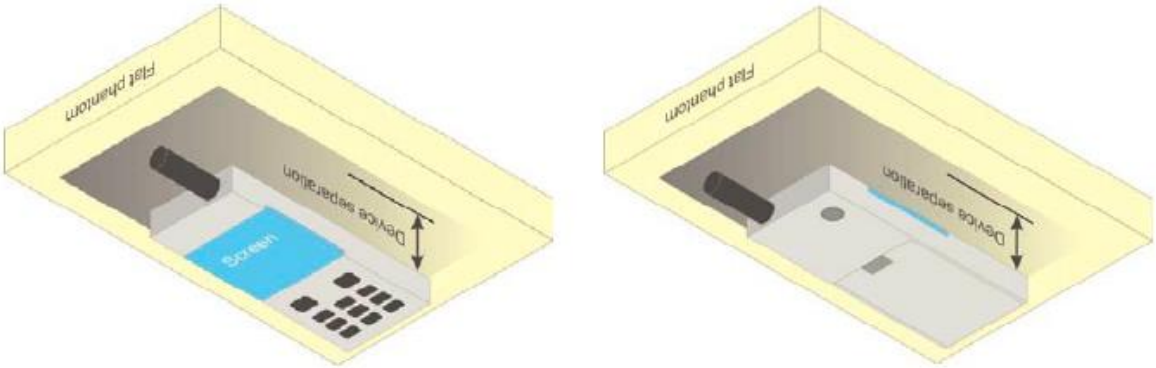

Fig.11.6 Illustration for Hotspot Position

11.7 LTE CA additional specification

The device supports intra-band contiguous uplink LTE Carrier Aggregation (CA). When carrier aggregation applies, implementation and measurement details for the following are necessary.

a) Intra-band carrier aggregation requirements for uplink.

The possible uplink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V15.4.0.

SAR test procedure for intra-band contiguous UL LTE CA is as below:
1) Maximum output power is measured for each UL CA configuration for the required test channels described in KDB 941225 D05
–UL PCC configuration is determined by the required test channel
–SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band.
2) SAR for UL CA is required in each exposure condition and frequency band combination
3) For this device , as the maximum output for Intra-band uplink LTE CA is ≤ standalone LTE mode (without CA),
- PCC is configured according to the highest standalone SAR configuration tested.
- SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC
4) When the reported SAR for UL CA configuration, described above, is > 1.2 W/kg, UL CA SAR is also required for all required test channels (PCC based)
5)UL CA SAR is also required for standalone SAR configurations > 1.2 W/kg when they are scaled to the UL CA power level.

E-UTRA CA Band	E-UTRA Band	Uplink(UL) operating band BS receive/ UE transmit F_{UL_low}-F_{UL_high}	Downlink(DL) operating band BS transmit/ UE receive F_{DL_low} –F_{DL_high}	Duplex Mode
CA_7	7	2500MHz~2570MHz	2620MHz ~2690MHz	FDD
CA_38	38	2570MHz~2620MHz	2570MHz~2620MHz	TDD
CA_41	41	2535MHz~2655MHz	2535MHz~2655MHz	TDD
CA_66	66	1710MHz~1780MHz	2110MHz~2200MHz	FDD

12 Measurement Procedures

The measurement procedures are as below:

<Conducted power measurement>
- For WWAN power measurement, use base station simulator to configure EUT WWAN transition in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- Read the WWAN RF power level from the base station simulator.
- For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band.
- Connect EUT RF port through RF cable to the power meter or spectrum analyzer, and measure WLAN/BT output power.

<Conducted power measurement>
- Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
- Place the EUT in positions as Appendix B demonstrates.
- Set scan area, grid size and other setting on the DASY software.
- Measure SAR results for the highest power channel on each testing position.
- Find out the largest SAR result on these testing positions of each band.
- Measure SAR results for other channels in worst SAR testing position if the Reported SAR or highest power channel is larger than 0.8 W/kg.

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

- Power reference measurement
- Area scan
- Zoom scan
- Power drift measurement

12.1 Spatial Peak SAR Evaluation

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

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

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:
- Extraction of the measured data (grid and values) from the Zoom Scan.
- Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters).
- Generation of a high-resolution mesh within the measured volume.
- Interpolation of all measured values form the measurement grid to the high-resolution grid
- Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- Calculation of the averaged SAR within masses of 1g and 10g.

12.2 Power Reference Measurement

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

12.3 Area & Zoom Scan Procedures

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

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

12.4 Volume Scan Procedures

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD post-processor scan combine and subsequently superpose these measurement data to calculating the multiband SAR.

12.5 SAR Averaged Methods

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

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

12.6 Power Drift Monitoring

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

13 Conducted RF Output Power

13.1 GSM Conducted Power

Band: GSM 850	Burst Average Power (dBm)			Frame-Average Power(dBm)		
Channel	128	190	251	128	190	251
Frequency (MHz)	824.2	836.6	848.8	824.2	836.6	848.8
GSM (GMSK, Voice)	32.76	33.30	**33.31**	23.73	24.27	24.28
GPRS (GMSK, 1 TX slot)	32.74	33.24	33.27	23.71	24.21	24.24
GPRS (GMSK, 2 TX slots)	31.47	32.04	**32.08**	25.45	26.02	**26.06**
GPRS (GMSK, 3 TX slots)	29.20	29.81	29.85	24.94	25.55	25.59
GPRS (GMSK, 4 TX slots)	27.75	28.39	28.42	24.74	25.38	25.41
EGPRS (8PSK, 1 TX slot)	27.55	27.93	27.97	18.52	18.90	18.94
EGPRS (8PSK, 2 TX slots)	26.29	26.70	26.72	20.27	20.68	20.70
EGPRS (8PSK, 3 TX slots)	24.14	24.57	24.62	19.88	20.31	20.36
EGPRS (8PSK, 4 TX slots)	22.81	23.26	23.34	19.80	20.25	20.33

Remark:

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

Note:

1. For Head SAR testing, GSM Voice mode should be evaluated, therefore the EUT was set in GSM 850 Voice mode.
2. For Body worn SAR testing and Hotspot mode SAR testing, GPRS and EGPRS mode should be evaluated, therefore the EUT was set in GPRS 2 TX slots mode due to the highest frame-averaged power.
3. For GPRS multi time slots SAR measurement, when the measured maximum output power levels are within 0.25 dB of each other, test the configuration with the most number of time slots.
4. Per KDB447498 D04v01, the maximum output power channel is used for SAR testing and for further SAR test reduction.

Band: PCS 1900	Burst Average Power (dBm)			Frame-Average Power(dBm)		
Channel	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880.0	1909.8	1850.2	1880.0	1909.8
GSM (GMSK, Voice)	29.74	30.16	**30.32**	20.71	21.13	21.29
GPRS (GMSK, 1 TX slot)	29.81	30.21	30.37	20.78	21.18	21.34
GPRS (GMSK, 2 TX slots)	28.73	**29.22**	29.43	22.71	**23.20**	23.41
GPRS (GMSK, 3 TX slots)	26.69	27.18	27.43	22.43	22.92	23.17
GPRS (GMSK, 4 TX slots)	25.34	25.84	26.10	22.33	22.83	23.09
EGPRS (8PSK, 1 TX slot)	26.38	26.71	26.56	17.35	17.68	17.53
EGPRS (8PSK, 2 TX slots)	25.23	25.54	25.43	19.21	19.52	19.41
EGPRS (8PSK, 3 TX slots)	23.00	23.33	23.24	18.74	19.07	18.98
EGPRS (8PSK, 4 TX slots)	21.70	22.10	22.00	18.69	19.09	18.99

Remark:

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

Note:

1. For Head SAR testing, GSM Voice mode should be evaluated, therefore the EUT was set in PCS 1900 Voice mode.
2. For Body worn SAR testing and Hotspot mode SAR testing, GPRS and EGPRS mode should be evaluated, therefore the EUT was set in GPRS 2 TX slots mode due to the highest frame-averaged power.
3. Per KDB447498 D04v01, the maximum output power channel is used for SAR testing and for further SAR test reduction.

13.2 WCDMA Conducted Power

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

HSDPA Setup Configuration:

a. The EUT was connected to Base Station Rohde & Schwarz CMU200 referred to the Setup Configuration.
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting:
   i. Set Gain Factors (β_c and β_d) and parameters were set according to each
   ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
   iii. Set RMC 12.2kbps + HSDPA mode.
   iv. Set Cell Power = -86 dBm
   v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
   vi. Select HSDPA Uplink Parameters
   vii. Set Delta ACK, Delta NACK and Delta CQI = 8
   viii. Set Ack-Nack Repetition Factor to 3
   ix. Set CQI Feedback Cycle (k) to 4 ms
   x. Set CQI Repetition Factor to 2
   xi. Power Ctrl Mode = All Up bits
d. The transmitted maximum output power was recorded.

Table 1

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

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

HSDPA Sub-test setup configuration

HSUPA Setup Configuration:

a. The EUT was connected to Base Station Rohde & Schwarz CMU200 referred to the Setup Configuration.
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting * :
   i. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
   ii. Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
   iii. Set Cell Power = -86 dBm
   iv. Set Channel Type = 12.2k + HSPA
   v. Set UE Target Power
   vi. Power Ctrl Mode= Alternating bits
   vii. Set and observe the E-TFCI
   viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
d. The transmitted maximum output power was recorded.

Table 2

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

Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$.
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 10/15 and β_d = 15/15.
Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 14/15 and β_d = 15/15.
Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.
Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

HSUPA Sub-test setup configuration

WCDMA Conducted Power:

WCDMA Average power (dBm)			
Band	WCDMA Band II		
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
AMR 12.2 kbps	23.37	23.84	23.85
RMC 12.2 kbps	23.32	**23.96**	23.80
HSDPA Sub-test 1	22.80	24.10	23.60
HSDPA Sub-test 2	22.91	23.57	23.42
HSDPA Sub-test 3	22.95	23.55	23.43
HSDPA Sub-test 4	22.94	23.60	23.47
HSUPA Sub-test 1	21.35	21.93	21.81
HSUPA Sub-test 2	21.88	22.41	22.32
HSUPA Sub-test 3	22.35	22.95	22.85
HSUPA Sub-test 4	21.38	21.93	21.84
HSUPA Sub-test 5	23.34	23.91	23.84

WCDMA Average power (dBm)			
Band	WCDMA Band IV		
Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
AMR 12.2 kbps	23.84	23.54	23.75
RMC 12.2 kbps	**23.82**	23.65	23.77
HSDPA Sub-test 1	23.86	23.67	23.82
HSDPA Sub-test 2	23.41	23.20	23.30
HSDPA Sub-test 3	23.46	23.24	23.33
HSDPA Sub-test 4	23.41	23.17	23.27
HSUPA Sub-test 1	21.83	21.62	21.76
HSUPA Sub-test 2	22.30	22.11	22.24
HSUPA Sub-test 3	22.81	22.63	22.75
HSUPA Sub-test 4	21.84	21.64	21.77
HSUPA Sub-test 5	23.80	23.61	23.75

WCDMA Average power (dBm)			
Band	WCDMA Band V		
Channel	4132	4183	4233
Frequency (MHz)	826.4	836.6	846.6
AMR 12.2 kbps	24.11	24.17	24.09
RMC 12.2 kbps	**24.18**	24.13	24.17
HSDPA Sub-test 1	24.21	24.16	24.23
HSDPA Sub-test 2	23.72	23.66	23.75
HSDPA Sub-test 3	23.77	23.72	23.79
HSDPA Sub-test 4	23.71	23.67	23.75
HSUPA Sub-test 1	22.18	22.14	22.23
HSUPA Sub-test 2	22.72	22.64	22.72
HSUPA Sub-test 3	23.20	23.16	23.22
HSUPA Sub-test 4	22.20	22.16	22.25
HSUPA Sub-test 5	24.20	24.15	24.21

Note:

1. Applying the subtest setup in Table C.11.1.3 of 3GPP TS 34.121-1
2. Per KDB 941225 D01, RMC 12.2kbps mode is used to evaluate SAR due the highest output power. If AMR 12.2 kbps power is < 0.25dB higher than RMC 12.2kbps, SAR tests with AMR 12.2 kbps can be excluded.
3. AMR, HSDPA RF power will not be larger than RMC 12.2kbps, detailed information is included in Tune-up Procure exhibit.

13.3 LTE Conducted Power

13.3.1 Largest channel bandwidth standalone SAR test requirements

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.8 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.

QPSK with 50% RB allocation

The procedures required for 1 RB allocation in section 4.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.9

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 sections 4.2.1 and 4.2.2 are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

Higher order modulations

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 4.2.1, 5.2.2 and 4.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ? dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

13.3.2 Other channel bandwidth standalone SAR test requirements

For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 4.2 to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > ? dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth. For example, 50 RB in 10 MHz channel bandwidth does not apply to 5 MHz channel bandwidth; therefore, this cannot be tested in the smaller channel bandwidth. However, 50% RB allocation in 10 MHz channel bandwidth is equivalent to 100% RB allocation in 5 MHz channel bandwidth; therefore, these are the equivalent configurations to be compared to determine the specific channel and configuration in the smaller channel bandwidth that need SAR testing.

13.3.3 TDD LTE configuration setup for SAR measurement

According to KDB 941225 D05v02r03 and April 2013 TCB workshop slides, SAR must be tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- see 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- “special subframe S” contains both uplink and downlink transmissions and must be taken into consideration to determine the transmission duty factor
  - according to the worst case uplink and downlink cyclic prefix requirements for UpPTS to determine the highest SAR test duty factor

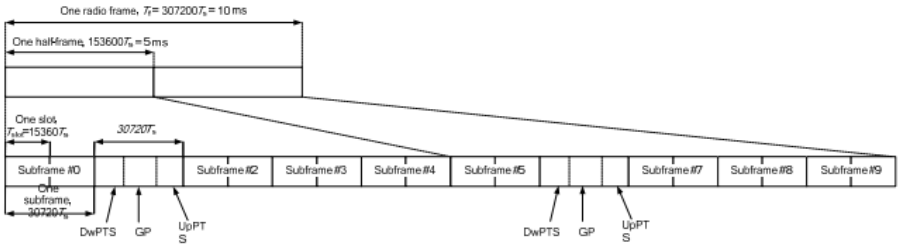

Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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

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

Per 3GPP 36.211 section 4.2, each radio frame of length T_f=37200?*T*s = 10 ms consists of two half-frames of length 153600?Ts = 5ms each. Each half-frame consists of five subframes of length 30720 ?*T*s = 1ms. So, the uplink duty factor in special subframe as below:

Special Subframe configuration	Normal cyclic prefix in downlink		Extended cyclic prefix in downlink	
	Duty factor of Uplink		Duty factor of Uplink	
	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	7.14%	8.33%	7.14%	8.33%
1	7.14%	8.33%	7.14%	8.33%
2	7.14%	8.33%	7.14%	8.33%
3	7.14%	8.33%	7.14%	8.33%
4	7.14%	8.33%	14.27%	16.67%
5	14.27%	16.67%	14.27%	16.67%
6	14.27%	16.67%	14.27%	16.67%
7	14.27%	16.67%	14.27%	16.67%
8	14.27%	16.67%	/	/
9	14.27%	16.67%	/	/

Table 4.2-2: Uplink-downlink configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

According to above table:

1. The highest duty factor is configuration 0;
2. The duty factor of uplink in one half-frame with normal cyclic prefix is: (3ms + 0.143ms)/5ms=62.86%;
3. The duty factor of uplink in one half-frame with extended cyclic prefix is: (3ms + 0.167ms)/5ms=63.34%;
4. For purpose to get the worst case SAR test duty factor, the duty factor of normal cyclic prefix in uplink scaled-up to the extended cyclic prefix in uplink, the scaling factor is 63.34%/62.86%=1.008, and the scaling factor will be taken into the final measured SAR.

LTE Band 2 part：

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18607	18900	19193
					1850.7MHz	1880.0MHz	1909.3MHz
Band 2	1.4	QPSK	1	0	23.41	23.81	24.01
			1	2	23.43	23.82	23.98
			1	5	23.45	23.85	24.04
			3	0	23.36	23.75	23.96
			3	1	23.37	23.74	24.07
			3	2	23.38	23.77	23.96
			6	0	22.41	22.82	23.03
		16QAM	1	0	22.56	22.96	23.13
			1	2	22.59	23.06	23.17
			1	5	22.58	22.97	23.23
			3	0	22.33	22.73	22.92
			3	1	22.34	22.74	22.93
			3	2	22.32	22.73	22.92
			6	0	21.26	21.83	21.97
		64QAM	1	0	21.49	22.24	22.08
			1	2	21.57	22.20	22.09
			1	5	21.50	22.25	22.14
			3	0	21.29	21.88	21.89
			3	1	21.30	21.92	21.90
			3	2	21.31	21.91	21.87
			6	0	20.28	20.66	20.84

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18615	18900	19185
					1851.5MHz	1880.0MHz	1908.5MHz
Band 2	3	QPSK	1	0	23.49	23.90	23.95
			1	7	23.51	23.95	23.99
			1	14	23.53	23.88	24.11
			8	0	22.51	22.91	23.10
			8	4	22.50	22.88	23.12
			8	7	22.51	22.89	23.11
			15	0	22.49	22.89	23.09
		16QAM	1	0	22.64	23.00	23.17
			1	7	22.57	22.98	23.19
			1	14	22.62	22.99	23.27
			8	0	21.54	21.92	22.13
			8	4	21.56	21.93	22.14
			8	7	21.55	21.91	22.14
			15	0	21.53	21.93	22.04
		64QAM	1	0	21.48	21.85	22.00
			1	7	21.40	21.85	22.10
			1	14	21.46	21.86	22.17
			8	0	20.55	20.91	21.09
			8	4	20.55	20.94	21.11
			8	7	20.48	20.87	21.12
			15	0	20.57	20.93	21.02

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18625	18900	19175
					1852.5MHz	1880.0MHz	1907.5MHz
Band 2	5	QPSK	1	0	23.61	24.08	23.99
			1	12	23.65	24.06	24.09
			1	24	23.70	24.07	24.29
			12	0	22.58	23.00	23.09
			12	6	22.56	22.99	23.08
			12	11	22.55	22.99	23.08
			25	0	22.62	23.01	23.12
		16QAM	1	0	22.81	23.03	23.18
			1	12	22.82	23.02	23.29
			1	24	22.87	23.02	23.44
			12	0	21.65	22.01	22.19
			12	6	21.63	21.99	22.17
			12	11	21.63	22.04	22.16
			25	0	21.59	22.00	22.13
		64QAM	1	0	22.18	21.98	22.63
			1	12	22.18	21.99	22.74
			1	24	22.25	21.95	22.81
			12	0	20.64	21.00	21.14
			12	6	20.61	20.98	21.14
			12	11	20.65	21.00	21.14
			25	0	20.54	20.92	21.07

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18650	18900	19150
					1855.0MHz	1880.0MHz	1905.0MHz
Band 2	10	QPSK	1	0	23.52	23.99	23.90
			1	24	23.58	23.97	23.92
			1	49	23.74	23.94	24.19
			25	0	22.63	23.01	23.09
			25	12	22.62	23.02	23.07
			25	24	22.62	23.00	23.07
			50	0	22.66	22.96	23.07
		16QAM	1	0	22.81	23.16	23.18
			1	24	22.79	23.18	23.23
			1	49	22.95	23.13	23.42
			25	0	21.64	21.99	22.12
			25	12	21.65	22.00	22.10
			25	24	21.65	21.99	22.12
			50	0	21.67	21.96	22.05
		64QAM	1	0	21.70	21.97	22.02
			1	24	21.73	21.98	22.16
			1	49	21.89	21.92	22.32
			25	0	20.50	20.93	20.97
			25	12	20.50	20.93	20.98
			25	24	20.50	20.94	20.97
			50	0	20.55	20.88	21.00

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18675	18900	19125
					1857.5MHz	1880.0MHz	1902.5MHz
Band 2	15	QPSK	1	0	23.57	24.04	23.85
			1	37	23.73	24.03	23.98
			1	74	23.75	23.95	24.23
			36	0	22.68	22.99	22.94
			36	16	22.65	22.97	22.93
			36	35	22.66	22.98	22.91
			75	0	22.71	23.00	23.00
		16QAM	1	0	22.87	23.20	23.17
			1	37	23.02	23.18	23.32
			1	74	23.11	23.11	23.54
			36	0	21.73	21.99	22.04
			36	16	21.73	21.99	22.00
			36	35	21.74	21.99	22.00
			75	0	21.77	21.99	22.03
		64QAM	1	0	21.85	22.03	22.15
			1	37	22.03	22.04	22.31
			1	74	22.07	21.91	22.53
			36	0	20.57	20.99	20.92
			36	16	20.56	20.99	20.92
			36	35	20.56	20.99	20.91
			75	0	20.65	20.91	20.97

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18700	18900	19100
					1860.0MHz	1880.0MHz	1900.0MHz
Band 2	20	QPSK	1	0	23.54	24.11	23.90
			1	49	23.77	24.14	24.03
			1	99	23.80	24.06	24.28
			50	0	22.69	23.06	22.91
			50	24	22.67	23.05	22.89
			50	49	22.69	23.02	22.91
			100	0	22.77	23.02	22.99
		16QAM	1	0	22.76	23.18	23.07
			1	49	22.97	23.19	23.21
			1	99	23.07	23.02	23.51
			50	0	21.66	22.04	21.91
			50	24	21.69	22.03	21.91
			50	49	21.69	22.04	21.90
			100	0	21.76	21.99	21.96
		64QAM	1	0	21.85	22.44	22.20
			1	49	22.10	22.45	22.28
			1	99	22.12	22.33	22.52
			50	0	20.57	20.97	20.90
			50	24	20.58	20.96	20.91
			50	49	20.59	20.97	20.91
			100	0	20.67	20.90	20.93

LTE Band 4 part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					19957	20175	20393
					1710.7	1732.5	1754.3
Band 4	1.4	QPSK	1	0	23.86	23.84	23.89
			1	2	23.80	23.76	23.84
			1	5	23.81	23.86	23.86
			3	0	23.92	23.80	23.88
			3	1	23.91	23.80	23.87
			3	2	23.89	23.81	23.87
			6	0	22.93	22.83	22.84
		16QAM	1	0	23.01	22.98	22.77
			1	2	23.05	23.00	22.79
			1	5	22.96	23.03	22.75
			3	0	22.88	22.71	22.74
			3	1	22.89	22.72	22.72
			3	2	22.83	22.71	22.73
			6	0	22.00	21.67	21.84
		64QAM	1	0	22.34	21.88	22.16
			1	2	22.21	22.00	22.20
			1	5	22.30	21.93	22.13
			3	0	21.95	21.65	21.96
			3	1	21.98	21.64	21.94
			3	2	21.99	21.65	21.95
			6	0	20.81	20.58	20.79

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					19965	20175	20385
					1711.5	1732.5	1753.5
Band 4	3	QPSK	1	0	23.82	23.82	23.90
			1	7	23.76	23.85	23.91
			1	14	23.78	23.87	23.89
			8	0	22.92	22.83	22.93
			8	4	22.95	22.87	22.95
			8	7	22.91	22.83	22.89
			15	0	22.92	22.81	22.93
		16QAM	1	0	23.08	22.69	23.07
			1	7	23.01	22.72	23.02
			1	14	22.98	22.76	23.03
			8	0	21.96	21.85	21.98
			8	4	21.99	21.84	21.99
			8	7	21.97	21.88	21.94
			15	0	21.83	21.73	21.93
		64QAM	1	0	21.89	22.00	21.85
			1	7	21.83	22.11	21.85
			1	14	21.84	22.14	21.82
			8	0	21.02	20.71	20.96
			8	4	21.00	20.72	20.95
			8	7	20.94	20.73	20.93
			15	0	20.91	20.66	20.99

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					19975	20175	20375
					1712.5	1732.5	1752.5
Band 4	5	QPSK	1	0	24.08	23.92	24.08
			1	12	24.00	23.96	24.03
			1	24	23.91	24.01	24.04
			12	0	22.94	22.83	22.99
			12	6	22.92	22.82	22.98
			12	11	22.93	22.81	22.98
			25	0	22.97	22.90	23.00
		16QAM	1	0	22.98	23.09	23.03
			1	12	22.89	23.14	23.01
			1	24	22.84	23.18	23.01
			12	0	21.94	21.90	22.02
			12	6	21.98	21.89	22.01
			12	11	21.94	21.89	22.03
			25	0	21.98	21.88	22.03
		64QAM	1	0	21.97	22.44	22.31
			1	12	21.92	22.50	22.30
			1	24	21.83	22.52	22.29
			12	0	21.04	20.84	21.07
			12	6	21.03	20.87	21.05
			12	11	21.05	20.85	21.07
			25	0	20.92	20.76	20.95

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20000	20175	20350
					1715	1732.5	1750
Band 4	10	QPSK	1	0	23.85	23.84	24.03
			1	24	23.75	23.91	23.96
			1	49	23.75	24.06	23.95
			25	0	22.97	22.83	23.03
			25	12	22.95	22.84	23.03
			25	24	22.97	22.85	23.02
			50	0	22.87	22.91	22.98
		16QAM	1	0	23.13	22.71	23.21
			1	24	23.03	22.79	23.15
			1	49	22.96	22.96	23.14
			25	0	21.98	21.87	22.02
			25	12	21.98	21.88	22.01
			25	24	21.96	21.84	22.02
			50	0	21.89	21.89	21.96
		64QAM	1	0	22.01	22.12	21.98
			1	24	21.89	22.18	21.95
			1	49	21.89	22.34	21.91
			25	0	20.87	20.70	20.94
			25	12	20.87	20.72	20.93
			25	24	20.86	20.70	20.91
			50	0	20.87	20.77	20.90

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20025	20175	20325
					1717.5	1732.5	1747.5
Band 4	15	QPSK	1	0	23.89	23.84	24.01
			1	37	23.92	23.98	24.03
			1	74	23.84	24.14	23.99
			36	0	22.90	22.82	23.00
			36	16	22.91	22.80	23.01
			36	35	22.90	22.81	23.00
			75	0	22.87	22.90	23.01
		16QAM	1	0	23.19	22.72	23.15
			1	37	23.13	22.87	23.20
			1	74	23.15	23.04	23.19
			36	0	21.98	21.79	22.00
			36	16	21.98	21.78	22.00
			36	35	21.98	21.78	22.00
			75	0	21.93	21.93	22.00
		64QAM	1	0	22.27	22.17	21.96
			1	37	22.18	22.26	21.99
			1	74	22.13	22.39	21.97
			36	0	20.91	20.71	20.96
			36	16	20.93	20.70	20.97
			36	35	20.91	20.71	20.96
			75	0	20.86	20.81	20.93

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20050	20175	20300
					1720	1732.5	1745
Band 4	20	QPSK	1	0	23.92	23.69	24.05
			1	49	23.81	23.87	24.20
			1	99	23.87	23.98	24.13
			50	0	22.87	22.85	23.04
			50	24	22.87	22.84	23.01
			50	49	22.88	22.84	23.01
			100	0	22.86	22.95	23.05
		16QAM	1	0	23.16	22.84	23.05
			1	49	23.05	23.01	23.17
			1	99	23.09	23.11	23.11
			50	0	21.89	21.90	21.98
			50	24	21.90	21.89	21.98
			50	49	21.89	21.90	21.99
			100	0	21.84	21.93	22.03
		64QAM	1	0	22.21	21.75	22.34
			1	49	22.11	21.93	22.48
			1	99	22.17	22.05	22.37
			50	0	20.88	20.75	20.88
			50	24	20.86	20.73	20.89
			50	49	20.87	20.75	20.88
			100	0	20.81	20.83	20.89

LTE Band 5 part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20407	20525	20643
					824.7MHz	836.5MHz	848.3MHz
Band 5	1.4	QPSK	1	0	24.39	24.44	24.45
			1	2	24.39	24.36	24.44
			1	5	24.40	24.40	24.47
			3	0	24.38	24.39	24.47
			3	1	24.48	24.38	24.48
			3	2	24.49	24.40	24.41
			6	0	23.48	23.45	23.48
		16QAM	1	0	23.54	23.54	23.57
			1	2	23.59	23.60	23.57
			1	5	23.55	23.59	23.59
			3	0	23.47	23.40	23.41
			3	1	23.48	23.42	23.44
			3	2	23.49	23.38	23.40
			6	0	22.61	22.50	22.54
		64QAM	1	0	22.94	22.90	22.87
			1	2	22.83	22.81	22.90
			1	5	22.96	22.90	22.84
			3	0	22.61	22.56	22.61
			3	1	22.61	22.56	22.58
			3	2	22.61	22.56	22.59
			6	0	21.41	21.34	21.39

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20415	20525	20635
					825.5MHz	836.5MHz	847.5MHz
Band 5	3	QPSK	1	0	24.43	24.47	24.47
			1	7	24.55	24.40	24.38
			1	14	24.40	24.42	24.47
			8	0	23.53	23.50	23.61
			8	4	23.52	23.54	23.56
			8	7	23.49	23.55	23.56
			15	0	23.54	23.56	23.54
		16QAM	1	0	23.72	23.63	23.48
			1	7	23.59	23.66	23.45
			1	14	23.46	23.66	23.45
			8	0	22.57	22.56	22.62
			8	4	22.60	22.56	22.62
			8	7	22.57	22.55	22.58
			15	0	22.58	22.47	22.49
		64QAM	1	0	22.50	22.49	22.79
			1	7	22.60	22.51	22.95
			1	14	22.48	22.54	22.83
			8	0	21.58	21.57	21.63
			8	4	21.63	21.56	21.61
			8	7	21.56	21.56	21.58
			15	0	21.58	21.51	21.50

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20425	20525	20625
					826.5MHz	836.5MHz	846.5MHz
Band 5	5	QPSK	1	0	24.72	24.68	24.65
			1	12	24.50	24.69	24.64
			1	24	24.57	24.63	24.72
			12	0	23.56	23.58	23.60
			12	6	23.58	23.55	23.59
			12	11	23.58	23.56	23.61
			25	0	23.59	23.59	23.63
		16QAM	1	0	23.72	23.58	23.53
			1	12	23.69	23.64	23.56
			1	24	23.68	23.65	23.53
			12	0	22.67	22.62	22.66
			12	6	22.68	22.61	22.64
			12	11	22.67	22.61	22.64
			25	0	22.61	22.64	22.64
		64QAM	1	0	23.28	22.79	22.47
			1	12	23.03	22.91	22.59
			1	24	23.09	22.88	22.56
			12	0	21.66	21.67	21.68
			12	6	21.68	21.65	21.67
			12	11	21.65	21.66	21.67
			25	0	21.59	21.60	21.64

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20450	20525	20600
					829MHz	836.5MHz	844MHz
Band 5	10	QPSK	1	0	24.47	24.47	24.55
			1	24	24.39	24.60	24.56
			1	49	24.35	24.48	24.67
			25	0	23.58	23.55	23.59
			25	12	23.57	23.53	23.59
			25	24	23.57	23.54	23.59
			50	0	23.56	23.59	23.59
		16QAM	1	0	23.74	23.47	23.70
			1	24	23.59	23.57	23.68
			1	49	23.65	23.52	23.69
			25	0	22.58	22.55	22.58
			25	12	22.61	22.57	22.60
			25	24	22.58	22.56	22.60
			50	0	22.56	22.60	22.57
		64QAM	1	0	22.49	22.85	22.60
			1	24	22.45	22.93	22.58
			1	49	22.47	22.92	22.62
			25	0	21.54	21.52	21.58
			25	12	21.56	21.52	21.57
			25	24	21.53	21.53	21.57
			50	0	21.55	21.55	21.55

LTE Band 7 part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20775	21100	21425
					2502.5MHz	2535MHz	2567.5MHz
Band 7	5	QPSK	1	0	23.28	23.28	23.24
			1	12	23.28	23.40	23.22
			1	24	23.36	23.35	23.20
			12	0	22.32	22.27	22.26
			12	6	22.31	22.26	22.27
			12	11	22.33	22.14	22.25
			25	0	22.36	22.15	22.28
		16QAM	1	0	22.26	22.45	22.43
			1	12	22.34	22.49	22.44
			1	24	22.41	22.43	22.46
			12	0	21.37	21.37	21.36
			12	6	21.35	21.36	21.36
			12	11	21.35	21.19	21.34
			25	0	21.37	21.15	21.26
		64QAM	1	0	21.24	21.86	21.91
			1	12	21.35	21.86	21.79
			1	24	21.39	21.80	21.79
			12	0	20.39	20.39	20.33
			12	6	20.40	20.16	20.37
			12	11	20.38	20.20	20.32
			25	0	20.35	20.18	20.31

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20800	21100	21400
					2505MHz	2535MHz	2565MHz
Band 7	10	QPSK	1	0	23.08	23.13	23.26
			1	24	23.20	23.22	23.19
			1	49	23.28	23.20	23.16
			25	0	22.29	22.26	22.27
			25	12	22.30	22.25	22.26
			25	24	22.31	22.28	22.27
			50	0	22.33	22.25	22.26
		16QAM	1	0	22.34	22.39	22.12
			1	24	22.34	22.35	22.21
			1	49	22.46	22.40	22.28
			25	0	21.29	21.29	21.30
			25	12	21.29	21.28	21.30
			25	24	21.30	21.29	21.31
			50	0	21.31	21.23	21.27
		64QAM	1	0	21.15	21.24	21.52
			1	24	21.34	21.26	21.55
			1	49	21.36	21.25	21.74
			25	0	20.28	20.21	20.27
			25	12	20.29	20.22	20.26
			25	24	20.28	20.22	20.26
			50	0	20.30	20.20	20.25

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20825	21100	21375
					2507.5MHz	2535MHz	2562.5MHz
Band 7	15	QPSK	1	0	23.14	23.27	23.33
			1	37	23.30	23.38	23.36
			1	74	23.39	23.34	23.27
			36	0	22.26	22.22	22.29
			36	16	22.25	22.22	22.28
			36	35	22.25	22.21	22.26
			75	0	22.29	22.22	22.28
		16QAM	1	0	22.44	22.11	22.53
			1	37	22.62	22.25	22.31
			1	74	22.53	22.15	22.62
			36	0	21.34	21.22	21.29
			36	16	21.35	21.22	21.29
			36	35	21.34	21.22	21.29
			75	0	21.34	21.25	21.28
		64QAM	1	0	21.42	21.64	21.35
			1	37	21.59	21.69	21.37
			1	74	21.65	21.64	21.38
			36	0	20.29	20.21	20.33
			36	16	20.29	20.21	20.34
			36	35	20.28	20.22	20.35
			75	0	20.35	20.25	20.29

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20850	21100	21350
					2510MHz	2535MHz	2560MHz
Band 7	20	QPSK	1	0	23.15	23.04	23.41
			1	49	23.34	23.18	23.40
			1	99	23.45	23.23	23.45
			50	0	22.37	22.25	22.31
			50	24	22.39	22.24	22.30
			50	49	22.38	22.26	22.31
			100	0	22.38	22.24	22.34
		16QAM	1	0	22.36	22.23	22.31
			1	49	22.54	22.41	22.39
			1	99	22.71	22.36	22.44
			50	0	21.37	21.29	21.29
			50	24	21.37	21.28	21.30
			50	49	21.38	21.28	21.31
			100	0	21.36	21.24	21.29
		64QAM	1	0	21.50	21.23	21.62
			1	49	21.67	21.20	21.60
			1	99	21.59	21.23	21.72
			50	0	20.40	20.27	20.31
			50	24	20.40	20.25	20.32
			50	49	20.40	20.23	20.32
			100	0	20.40	20.25	20.31

LTE Band 12 part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23017	23095	23175
					699.7MHz	707.5MHz	715.3MHz
Band 12	1.4	QPSK	1	0	24.24	24.30	24.27
			1	2	24.23	24.22	24.22
			1	5	24.30	24.27	24.24
			3	0	24.29	24.33	24.17
			3	1	24.28	24.35	24.17
			3	2	24.22	24.28	24.19
			6	0	23.30	23.35	23.28
		16QAM	1	0	23.41	23.53	23.18
			1	2	23.38	23.51	23.22
			1	5	23.42	23.56	23.26
			3	0	23.23	23.27	23.07
			3	1	23.25	23.25	23.14
			3	2	23.21	23.25	23.14
			6	0	22.41	22.23	22.29
		64QAM	1	0	22.66	22.42	22.66
			1	2	22.71	22.40	22.72
			1	5	22.79	22.45	22.72
			3	0	22.40	22.22	22.38
			3	1	22.41	22.24	22.36
			3	2	22.39	22.22	22.40
			6	0	21.20	21.20	21.21

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23025	23095	23165
					700.5MHz	707.5MHz	714.5MHz
Band 12	3	QPSK	1	0	24.20	24.31	24.37
			1	7	24.27	24.29	24.32
			1	14	24.21	24.25	24.27
			8	0	23.31	23.39	23.33
			8	4	23.38	23.41	23.31
			8	7	23.36	23.35	23.28
			15	0	23.37	23.36	23.32
		16QAM	1	0	23.47	23.31	23.39
			1	7	23.46	23.27	23.49
			1	14	23.49	23.26	23.28
			8	0	22.35	22.44	22.39
			8	4	22.38	22.44	22.39
			8	7	22.40	22.42	22.34
			15	0	22.30	22.30	22.35
		64QAM	1	0	22.31	22.78	22.39
			1	7	22.35	22.74	22.39
			1	14	22.45	22.75	22.40
			8	0	21.40	21.37	21.38
			8	4	21.40	21.38	21.37
			8	7	21.40	21.35	21.35
			15	0	21.36	21.28	21.39

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23035	23095	23155
					701.5MHz	707.5MHz	713.5MHz
Band 12	5	QPSK	1	0	24.51	24.37	24.57
			1	12	24.50	24.40	24.47
			1	24	24.39	24.48	24.46
			12	0	23.38	23.41	23.47
			12	6	23.37	23.42	23.46
			12	11	23.38	23.41	23.46
			25	0	23.46	23.45	23.42
		16QAM	1	0	23.57	23.56	23.45
			1	12	23.62	23.61	23.45
			1	24	23.60	23.57	23.46
			12	0	22.39	22.49	22.46
			12	6	22.42	22.47	22.48
			12	11	22.41	22.52	22.46
			25	0	22.46	22.42	22.46
		64QAM	1	0	23.10	23.07	22.69
			1	12	23.04	23.12	22.74
			1	24	22.99	22.91	22.68
			12	0	21.43	21.50	21.54
			12	6	21.42	21.50	21.55
			12	11	21.43	21.50	21.55
			25	0	21.38	21.41	21.42

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23060	23095	23130
					704MHz	707.5MHz	711MHz
Band 12	10	QPSK	1	0	24.24	24.25	24.38
			1	24	24.41	24.30	24.35
			1	49	24.45	24.31	24.32
			25	0	23.41	23.40	23.43
			25	12	23.40	23.41	23.42
			25	24	23.42	23.40	23.40
			50	0	23.44	23.40	23.44
		16QAM	1	0	23.55	23.53	23.39
			1	24	23.48	23.64	23.38
			1	49	23.49	23.66	23.31
			25	0	22.40	22.39	22.46
			25	12	22.42	22.39	22.45
			25	24	22.40	22.40	22.43
			50	0	22.43	22.38	22.42
		64QAM	1	0	22.38	22.38	22.79
			1	24	22.36	22.49	22.81
			1	49	22.53	22.45	22.73
			25	0	21.42	21.36	21.38
			25	12	21.40	21.35	21.39
			25	24	21.41	21.36	21.40
			50	0	21.40	21.37	21.40

LTE Band 17 part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23755	23790	23825
					706.5MHz	710.0MHz	713.5MHz
Band 17	5	QPSK	1	0	24.46	24.52	24.50
			1	12	24.46	24.54	24.53
			1	24	24.47	24.62	24.49
			12	0	23.40	23.48	23.45
			12	6	23.39	23.45	23.44
			12	11	23.39	23.49	23.42
			25	0	23.46	23.49	23.46
		16QAM	1	0	23.59	23.45	23.45
			1	12	23.53	23.48	23.46
			1	24	23.67	23.53	23.49
			12	0	22.49	22.52	22.50
			12	6	22.48	22.52	22.51
			12	11	22.50	22.53	22.52
			25	0	22.43	22.53	22.47
		64QAM	1	0	23.07	22.72	22.42
			1	12	22.96	22.71	22.51
			1	24	23.17	22.78	22.52
			12	0	21.48	21.55	21.52
			12	6	21.51	21.58	21.50
			12	11	21.52	21.56	21.50
			25	0	21.44	21.47	21.44

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23780	23790	23800
					709.0MHz	710.0MHz	711.0MHz
Band 17	10	QPSK	1	0	24.26	24.32	24.30
			1	24	24.38	24.34	24.38
			1	49	24.37	24.37	24.48
			25	0	23.43	23.41	23.46
			25	12	23.45	23.42	23.45
			25	24	23.44	23.41	23.47
			50	0	23.47	23.45	23.44
		16QAM	1	0	23.54	23.28	23.48
			1	24	23.64	23.37	23.47
			1	49	23.66	23.39	23.65
			25	0	22.42	22.44	22.45
			25	12	22.47	22.45	22.43
			25	24	22.44	22.44	22.44
			50	0	22.45	22.42	22.45
		64QAM	1	0	22.41	22.73	22.39
			1	24	22.62	22.80	22.43
			1	49	22.52	22.85	22.51
			25	0	21.40	21.39	21.45
			25	12	21.41	21.37	21.45
			25	24	21.42	21.39	21.45
			50	0	21.44	21.40	21.40

LTE Band 38 part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					37775	38000	38225
					2572.5MHz	2595MHz	2617.5MHz
Band 38	5	QPSK	1	0	23.46	23.67	23.49
			1	12	23.45	23.68	23.45
			1	24	23.38	23.73	23.43
			12	0	22.49	22.48	22.43
			12	6	22.50	22.57	22.46
			12	11	22.50	22.50	22.41
			25	0	22.48	22.59	22.50
		16QAM	1	0	22.80	22.83	22.71
			1	12	22.72	22.89	22.73
			1	24	22.70	22.92	22.74
			12	0	21.57	21.54	21.47
			12	6	21.53	21.55	21.48
			12	11	21.61	21.49	21.51
			25	0	21.47	21.56	21.45
		64QAM	1	0	22.03	21.93	21.97
			1	12	21.96	21.95	21.98
			1	24	21.95	21.96	21.98
			12	0	20.65	20.54	20.59
			12	6	20.63	20.47	20.58
			12	11	20.64	20.54	20.58
			25	0	20.43	20.56	20.46

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					37800	38000	38200
					2575MHz	2595MHz	2615MHz
Band 38	10	QPSK	1	0	23.44	23.50	23.49
			1	24	23.38	23.50	23.48
			1	49	23.41	23.59	23.52
			25	0	22.43	22.49	22.48
			25	12	22.41	22.48	22.46
			25	24	22.42	22.46	22.46
			50	0	22.41	22.47	22.49
		16QAM	1	0	22.77	22.85	22.46
			1	24	22.70	22.82	22.42
			1	49	22.73	22.91	22.45
			25	0	21.46	21.53	21.43
			25	12	21.46	21.52	21.46
			25	24	21.46	21.53	21.44
			50	0	21.41	21.45	21.46
		64QAM	1	0	21.80	21.85	21.49
			1	24	21.78	21.91	21.45
			1	49	21.80	21.95	21.48
			25	0	20.35	20.46	20.33
			25	12	20.36	20.44	20.36
			25	24	20.37	20.44	20.35
			50	0	20.43	20.49	20.44

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					37825	38000	38175
					2577.5MHz	2595MHz	2612.5MHz
Band 38	15	QPSK	1	0	23.62	23.56	23.70
			1	37	23.60	23.68	23.80
			1	74	23.62	23.71	23.75
			36	0	22.43	22.53	22.54
			36	16	22.43	22.52	22.53
			36	35	22.43	22.51	22.54
			75	0	22.44	22.57	22.57
		16QAM	1	0	22.52	22.91	22.63
			1	37	22.51	22.94	22.67
			1	74	22.52	22.98	22.67
			36	0	21.42	21.58	21.55
			36	16	21.43	21.56	21.54
			36	35	21.43	21.56	21.55
			75	0	21.46	21.62	21.60
		64QAM	1	0	21.68	21.91	21.81
			1	37	21.69	22.03	21.88
			1	74	21.73	22.10	21.89
			36	0	20.47	20.57	20.59
			36	16	20.47	20.57	20.60
			36	35	20.47	20.56	20.59
			75	0	20.45	20.62	20.57

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					37850	38000	38150
					2580MHz	2595MHz	2610MHz
Band 38	20	QPSK	1	0	23.56	23.51	23.53
			1	49	23.49	23.66	23.60
			1	99	23.58	23.66	23.58
			50	0	22.53	22.53	22.59
			50	24	22.54	22.54	22.59
			50	49	22.55	22.54	22.57
			100	0	22.54	22.56	22.60
		16QAM	1	0	22.24	22.45	22.77
			1	49	22.19	22.58	22.86
			1	99	22.37	22.64	22.76
			50	0	21.58	21.49	21.60
			50	24	21.55	21.50	21.58
			50	49	21.56	21.49	21.60
			100	0	21.53	21.54	21.58
		64QAM	1	0	21.68	21.66	21.73
			1	49	21.65	21.81	21.78
			1	99	21.74	21.81	21.78
			50	0	20.60	20.49	20.55
			50	24	20.61	20.50	20.54
			50	49	20.62	20.52	20.56
			100	0	20.57	20.49	20.57

LTE Band 41 part:

LTE Band	Band-width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					40065	40355	40640	40750	41215
					2537.5MHz	2566.5MHz	2595.0MHz	2624.0MHz	2652.5MHz
Band 41	5	QPSK	1	0	23.61	23.90	23.92	23.91	24.19
			1	12	23.68	23.97	23.96	23.97	24.26
			1	24	23.70	23.99	24.01	24.00	24.28
			12	0	22.66	22.97	22.80	22.91	23.28
			12	6	22.67	22.98	22.77	22.91	23.28
			12	11	22.66	22.97	22.76	22.90	23.27
			25	0	22.73	23.03	22.82	22.96	23.33
		16QAM	1	0	22.91	23.20	23.12	23.17	23.49
			1	12	22.92	23.23	23.13	23.19	23.53
			1	24	22.95	23.23	23.11	23.19	23.51
			12	0	21.77	22.07	21.76	21.97	22.37
			12	6	21.76	22.06	21.81	21.98	22.36
			12	11	21.74	22.03	21.80	21.95	22.31
			25	0	21.73	22.02	21.80	21.94	22.30
		64QAM	1	0	22.11	22.44	22.15	22.34	22.76
			1	12	22.19	22.49	22.19	22.39	22.79
			1	24	22.25	22.53	22.19	22.42	22.81
			12	0	20.85	21.14	20.82	21.03	21.43
			12	6	20.79	21.11	20.83	21.02	21.43
			12	11	20.80	21.11	20.79	21.00	21.41
			25	0	20.67	20.98	20.81	20.92	21.29

LTE Band	Band-width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					40090	40365	40640	40915	41190
					2540.0MHz	2567.5MHz	2595.0MHz	2622.5MHz	2650.0MHz
Band 41	10	QPSK	1	0	23.83	23.98	23.76	23.91	24.13
			1	24	23.90	24.03	23.78	23.94	24.15
			1	49	24.00	24.16	23.83	24.05	24.31
			25	0	22.82	23.02	22.76	22.93	23.21
			25	12	22.79	23.00	22.75	22.91	23.20
			25	24	22.79	23.00	22.76	22.92	23.20
			50	0	22.83	23.04	22.76	22.95	23.25
		16QAM	1	0	23.18	23.16	23.10	23.14	23.13
			1	24	23.14	23.16	23.11	23.14	23.17
			1	49	23.27	23.28	23.12	23.23	23.29
			25	0	21.85	22.04	21.78	21.95	22.22
			25	12	21.83	22.01	21.78	21.93	22.19
			25	24	21.84	22.01	21.79	21.94	22.18
			50	0	21.86	22.04	21.73	21.94	22.22
		64QAM	1	0	22.10	22.11	22.08	22.10	22.12
			1	24	22.15	22.15	22.16	22.15	22.14
			1	49	22.32	22.31	22.18	22.27	22.30
			25	0	20.80	20.94	20.74	20.87	21.08
			25	12	20.81	20.95	20.74	20.88	21.09
			25	24	20.80	20.94	20.73	20.87	21.08
			50	0	20.88	21.04	20.77	20.95	21.19

LTE Band	Band-width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					40115	40375	40640	40900	41165
					2542.5MHz	2568.5MHz	2595.0MHz	2673.5MHz	2647.5MHz
Band 41	15	QPSK	1	0	23.75	24.00	23.68	23.89	24.24
			1	37	23.98	24.17	23.78	24.04	24.36
			1	74	23.98	24.23	23.87	24.11	24.47
			36	0	22.61	22.87	22.68	22.81	23.13
			36	16	22.60	22.86	22.68	22.80	23.12
			36	35	22.59	22.86	22.66	22.79	23.13
			75	0	22.64	22.90	22.68	22.82	23.15
		16QAM	1	0	22.65	22.89	23.00	22.93	23.13
			1	37	22.78	23.03	23.13	23.06	23.27
			1	74	22.89	23.12	23.13	23.12	23.34
			36	0	21.61	21.88	21.73	21.83	22.14
			36	16	21.59	21.86	21.72	21.81	22.13
			36	35	21.58	21.86	21.72	21.81	22.13
			75	0	21.69	21.94	21.74	21.87	22.18
		64QAM	1	0	21.89	22.09	22.05	22.08	22.29
			1	37	22.03	22.23	22.18	22.21	22.42
			1	74	22.08	22.32	22.20	22.28	22.56
			36	0	20.63	20.91	20.70	20.84	21.18
			36	16	20.60	20.89	20.71	20.83	21.18
			36	35	20.60	20.88	20.71	20.82	21.16
			75	0	20.67	20.93	20.75	20.87	21.19

LTE Band	Band-width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					40140	40390	40640	40890	41140
					2545.0MHz	2570.0MHz	2595.0MHz	2620.0MHz	2645.0MHz
Band 41	20	QPSK	1	0	23.61	23.78	23.63	23.73	23.95
			1	49	23.81	23.98	23.76	23.90	24.14
			1	99	23.87	24.06	23.79	23.97	24.25
			50	0	22.79	22.95	22.75	22.88	23.10
			50	24	22.80	22.95	22.73	22.88	23.10
			50	49	22.83	22.96	22.74	22.89	23.09
			100	0	22.86	23.01	22.76	22.93	23.16
		16QAM	1	0	22.38	22.54	22.82	22.63	22.70
			1	49	22.59	22.71	22.93	22.78	22.83
			1	99	22.63	22.81	23.01	22.87	22.98
			50	0	21.82	21.97	21.76	21.90	22.11
			50	24	21.83	21.98	21.75	21.90	22.12
			50	49	21.81	21.96	21.74	21.89	22.11
			100	0	21.84	21.99	21.74	21.91	22.14
		64QAM	1	0	21.75	21.92	21.83	21.89	22.09
			1	49	21.97	22.12	21.95	22.06	22.27
			1	99	22.03	22.21	21.98	22.13	22.39
			50	0	20.88	21.03	20.71	20.92	21.17
			50	24	20.87	21.02	20.74	20.92	21.16
			50	49	20.87	21.02	20.73	20.92	21.16
			100	0	20.85	21.01	20.75	20.92	21.17

Note:

1. Per KDB 447498 D04v01 section 3.1.6, the required test channels number is 5 for LTE Band 41.

LTE Band 42(3450-3550) part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					42115	42590	43065
					3452.5MHz	3500.0MHz	3547.5MHz
Band 42	5	QPSK	1	0	23.36	21.73	22.48
			1	12	23.37	21.71	22.48
			1	24	23.36	21.75	22.48
			12	0	22.38	20.60	21.47
			12	6	22.39	20.60	21.45
			12	11	22.38	20.59	21.41
			25	0	22.43	20.42	21.40
		16QAM	1	0	23.53	21.42	22.52
			1	12	23.58	21.45	22.59
			1	24	23.60	21.48	22.61
			12	0	22.54	20.58	21.46
			12	6	22.50	20.59	21.45
			12	11	22.55	20.60	21.47
			25	0	22.57	20.64	21.49
		64QAM	1	0	23.51	21.77	22.96
			1	12	23.44	21.74	22.88
			1	24	23.47	21.76	22.88
			12	0	22.52	20.57	21.49
			12	6	22.51	20.63	21.50
			12	11	22.46	20.58	21.45
			25	0	22.56	20.59	21.51

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					42140	42590	43040
					3455.0MHz	3500.0MHz	3545.0MHz
Band 42	10	QPSK	1	0	23.44	21.69	22.64
			1	24	23.36	21.76	22.54
			1	49	23.39	21.65	22.61
			25	0	22.40	20.43	21.39
			25	12	22.41	20.43	21.41
			25	24	22.35	20.40	21.42
			50	0	22.37	20.47	21.37
		16QAM	1	0	23.52	21.21	22.10
			1	24	23.53	21.28	22.15
			1	49	23.53	21.25	22.12
			25	0	22.47	20.42	21.43
			25	12	22.44	20.42	21.41
			25	24	22.48	20.45	21.42
			50	0	22.47	20.50	21.45
		64QAM	1	0	23.65	21.95	22.57
			1	24	23.55	21.88	22.46
			1	49	23.55	21.88	22.48
			25	0	22.51	20.57	21.52
			25	12	22.51	20.57	21.52
			25	24	22.49	20.53	21.46
			50	0	22.52	20.50	21.45

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					42165	42590	43015
					3457.5MHz	3500.0MHz	3542.5MHz
Band 42	15	QPSK	1	0	22.86	21.10	22.06
			1	37	22.87	21.10	22.05
			1	74	22.76	21.01	21.96
			36	0	21.81	21.81	21.80
			36	16	21.79	21.82	21.81
			36	35	21.80	21.80	21.80
			75	0	21.80	19.89	20.84
		16QAM	1	0	22.82	20.93	21.57
			1	37	23.02	21.10	21.74
			1	74	22.90	21.04	21.68
			36	0	21.87	21.88	21.84
			36	16	21.86	21.84	21.85
			36	35	21.84	21.87	21.86
			75	0	21.85	19.95	20.88
		64QAM	1	0	22.93	21.30	21.89
			1	37	23.04	21.39	21.96
			1	74	22.97	21.34	21.93
			36	0	21.92	21.90	21.89
			36	16	21.91	21.91	21.90
			36	35	21.88	21.90	21.91
			75	0	21.91	20.02	20.88

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					42190	42590	42190
					3460.0MHz	3500.0MHz	3460MHz
Band 42	20	QPSK	1	0	22.82	20.73	21.89
			1	49	22.87	20.78	21.87
			1	99	22.61	20.52	21.62
			50	0	21.82	19.83	20.84
			50	24	21.84	19.84	20.84
			50	49	21.72	19.74	20.72
			100	0	21.76	19.80	20.71
		16QAM	1	0	22.59	20.62	21.22
			1	49	22.88	20.85	21.42
			1	99	22.78	20.77	21.38
			50	0	21.73	19.89	20.78
			50	24	21.72	19.90	20.77
			50	49	21.83	19.99	20.86
			100	0	21.81	19.91	20.77
		64QAM	1	0	22.85	20.92	21.50
			1	49	22.96	21.09	21.68
			1	99	22.92	20.97	21.59
			50	0	21.86	19.89	20.82
			50	24	21.84	19.90	20.82
			50	49	21.88	19.91	20.83
			100	0	21.85	19.87	20.82

LTE Band 66 part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					131979	132322	132665
					1710.70MHz	1745.00MHz	1779.3MHz
Band 66	1.4	QPSK	1	0	23.51	23.75	23.38
			1	2	23.45	23.72	23.37
			1	5	23.58	23.75	23.39
			3	0	23.60	23.61	23.32
			3	1	23.59	23.67	23.34
			3	2	23.58	23.62	23.34
			6	0	22.63	22.71	22.40
		16QAM	1	0	22.78	22.65	22.50
			1	2	22.74	22.68	22.57
			1	5	22.80	22.65	22.54
			3	0	22.57	22.49	22.28
			3	1	22.56	22.57	22.30
			3	2	22.56	22.49	22.32
			6	0	21.60	21.73	21.43
		64QAM	1	0	21.70	22.09	21.82
			1	2	21.66	22.11	21.80
			1	5	21.64	22.08	21.78
			3	0	21.56	21.85	21.49
			3	1	21.58	21.84	21.50
			3	2	21.58	21.82	21.47
			6	0	20.62	20.66	20.29

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					131987	132322	132657
					1711.50MHz	1745.00MHz	1778.50MHz
Band 66	3	QPSK	1	0	23.56	23.73	23.36
			1	7	23.51	23.77	23.36
			1	14	23.52	23.71	23.45
			8	0	22.72	22.71	22.37
			8	4	22.69	22.73	22.43
			8	7	22.67	22.70	22.42
			15	0	22.70	22.69	22.39
		16QAM	1	0	22.60	22.86	22.52
			1	7	22.55	22.84	22.50
			1	14	22.59	22.86	22.55
			8	0	21.73	21.78	21.44
			8	4	21.73	21.78	21.41
			8	7	21.70	21.75	21.41
			15	0	21.63	21.69	21.31
		64QAM	1	0	21.98	21.71	21.42
			1	7	21.90	21.71	21.43
			1	14	21.92	21.72	21.49
			8	0	20.83	20.77	20.44
			8	4	20.84	20.78	20.43
			8	7	20.76	20.73	20.43
			15	0	20.69	20.78	20.34

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					131997	132322	132647
					1712.50MHz	1745.00MHz	1777.50MHz
Band 66	5	QPSK	1	0	23.80	23.82	23.51
			1	12	23.76	23.87	23.54
			1	24	23.76	23.94	23.62
			12	0	22.72	22.81	22.42
			12	6	22.71	22.78	22.40
			12	11	22.74	22.77	22.40
			25	0	22.75	22.78	22.48
		16QAM	1	0	22.88	22.85	22.46
			1	12	22.83	22.88	22.49
			1	24	22.78	22.83	22.55
			12	0	21.82	21.83	21.41
			12	6	21.84	21.83	21.40
			12	11	21.84	21.83	21.39
			25	0	21.75	21.83	21.46
		64QAM	1	0	22.43	22.11	21.41
			1	12	22.37	22.13	21.45
			1	24	22.33	22.16	21.52
			12	0	20.90	20.84	20.43
			12	6	20.89	20.83	20.43
			12	11	20.89	20.84	20.43
			25	0	20.75	20.75	20.44

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					132022	132322	132622
					1715.00MHz	1745.00MHz	1775.00MHz
Band 66	10	QPSK	1	0	23.54	23.73	23.41
			1	24	23.46	23.79	23.40
			1	49	23.41	23.75	23.54
			25	0	22.76	22.79	22.42
			25	12	22.72	22.76	22.44
			25	24	22.71	22.78	22.42
			50	0	22.68	22.78	22.45
		16QAM	1	0	22.83	22.65	22.60
			1	24	22.78	22.70	22.59
			1	49	22.75	22.71	22.71
			25	0	21.76	21.82	21.40
			25	12	21.78	21.78	21.40
			25	24	21.75	21.82	21.42
			50	0	21.67	21.76	21.41
		64QAM	1	0	21.83	22.03	21.39
			1	24	21.64	22.19	21.39
			1	49	21.56	22.19	21.50
			25	0	20.74	20.66	20.37
			25	12	20.73	20.69	20.36
			25	24	20.73	20.67	20.36
			50	0	20.67	20.70	20.40

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					132047	132322	132597
					1717.50MHz	1745.00MHz	1772.50MHz
Band 66	15	QPSK	1	0	23.74	23.71	23.43
			1	37	23.59	23.83	23.42
			1	74	23.61	23.83	23.54
			36	0	22.67	22.70	22.39
			36	16	22.68	22.70	22.39
			36	35	22.68	22.71	22.39
			75	0	22.61	22.73	22.39
		16QAM	1	0	22.98	22.58	22.54
			1	37	22.83	22.76	22.60
			1	74	22.88	22.75	22.77
			36	0	21.79	21.68	21.39
			36	16	21.78	21.69	21.41
			36	35	21.78	21.69	21.37
			75	0	21.66	21.76	21.39
		64QAM	1	0	22.14	22.04	21.43
			1	37	21.86	22.20	21.42
			1	74	21.91	22.22	21.54
			36	0	20.71	20.65	20.41
			36	16	20.70	20.66	20.42
			36	35	20.67	20.65	20.41
			75	0	20.67	20.72	20.35

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					132072	132322	132572
					1720.00MHz	1745.00MHz	1770.00MHz
Band 66	20	QPSK	1	0	23.79	23.67	23.39
			1	49	23.62	23.86	23.33
			1	99	23.66	23.87	23.44
			50	0	22.69	22.77	22.52
			50	24	22.68	22.74	22.51
			50	49	22.68	22.75	22.52
			100	0	22.63	22.82	22.49
		16QAM	1	0	22.79	22.95	22.62
			1	49	22.67	23.09	22.57
			1	99	22.68	23.10	22.59
			50	0	21.67	21.74	21.57
			50	24	21.68	21.76	21.54
			50	49	21.69	21.75	21.56
			100	0	21.63	21.79	21.50
		64QAM	1	0	22.06	21.96	21.53
			1	49	21.94	22.12	21.44
			1	99	22.00	22.15	21.52
			50	0	20.70	20.73	20.45
			50	24	20.69	20.71	20.45
			50	49	20.68	20.72	20.43
			100	0	20.57	20.77	20.42

ENDC ANT 5 power

LTE Band 2 part ANT 5:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18607	18900	19193
					1850.7MHz	1880.0MHz	1909.3MHz
Band 2	1.4	QPSK	1	0	20.39	20.55	20.76
			1	2	20.39	20.57	20.75
			1	5	20.41	20.60	20.79
			3	0	20.37	20.49	20.75
			3	1	20.39	20.48	20.74
			3	2	20.37	20.49	20.76
			6	0	19.44	19.54	19.76
		16QAM	1	0	19.33	19.48	19.53
			1	2	19.30	19.55	19.47
			1	5	19.30	19.53	19.49
			3	0	19.23	19.33	19.60
			3	1	19.23	19.33	19.63
			3	2	19.23	19.32	19.65
			6	0	18.37	18.58	18.80
		64QAM	1	0	18.42	18.64	18.85
			1	2	18.46	18.60	18.76
			1	5	18.50	18.60	18.80
			3	0	18.38	18.52	18.76
			3	1	18.40	18.56	18.80
			3	2	18.42	18.52	18.76
			6	0	17.44	17.55	17.81

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18615	18900	19185
					1851.5MHz	1880.0MHz	1908.5MHz
Band 2	3	QPSK	1	0	20.48	20.66	20.81
			1	7	20.49	20.67	20.82
			1	14	20.54	20.71	20.85
			8	0	19.54	19.64	19.87
			8	4	19.53	19.64	19.88
			8	7	19.50	19.66	19.82
			15	0	19.55	19.64	19.83
		16QAM	1	0	19.35	19.61	19.69
			1	7	19.25	19.58	19.60
			1	14	19.32	19.63	19.67
			8	0	18.46	18.71	18.89
			8	4	18.51	18.73	18.90
			8	7	18.49	18.71	18.86
			15	0	18.43	18.70	18.79
		64QAM	1	0	18.52	18.75	18.82
			1	7	18.58	18.69	18.86
			1	14	18.63	18.75	18.85
			8	0	17.61	17.73	17.93
			8	4	17.59	17.72	17.98
			8	7	17.54	17.67	17.85
			15	0	17.63	17.68	17.87

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18625	18900	19175
					1852.5MHz	1880.0MHz	1907.5MHz
Band 2	5	QPSK	1	0	20.67	20.78	20.86
			1	12	20.63	20.83	20.91
			1	24	20.65	20.88	20.97
			12	0	19.62	19.74	19.92
			12	6	19.64	19.72	19.93
			12	11	19.62	19.70	19.93
			25	0	19.65	19.76	19.94
		16QAM	1	0	19.68	19.68	19.95
			1	12	19.69	19.72	19.91
			1	24	19.71	19.73	19.99
			12	0	18.64	18.76	19.02
			12	6	18.65	18.74	19.03
			12	11	18.64	18.72	19.04
			25	0	18.55	18.77	18.89
		64QAM	1	0	18.75	18.78	18.91
			1	12	18.65	18.93	18.92
			1	24	18.72	18.96	19.04
			12	0	17.65	17.77	17.96
			12	6	17.67	17.79	18.00
			12	11	17.68	17.76	18.00
			25	0	17.71	17.77	18.03

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18650	18900	19150
					1855.0MHz	1880.0MHz	1905.0MHz
Band 2	10	QPSK	1	0	20.61	20.66	20.87
			1	24	20.68	20.80	20.96
			1	49	20.71	20.78	21.04
			25	0	19.67	19.76	19.98
			25	12	19.69	19.75	19.97
			25	24	19.70	19.77	19.96
			50	0	19.66	19.76	19.98
		16QAM	1	0	19.48	19.67	19.76
			1	24	19.50	19.84	19.87
			1	49	19.54	19.79	19.95
			25	0	18.59	18.74	18.98
			25	12	18.59	18.74	18.98
			25	24	18.59	18.73	18.98
			50	0	18.58	18.79	18.97
		64QAM	1	0	18.67	18.76	18.92
			1	24	18.71	18.81	19.06
			1	49	18.74	18.78	19.08
			25	0	17.74	17.78	18.02
			25	12	17.78	17.84	17.98
			25	24	17.71	17.80	18.00
			50	0	17.67	17.82	18.07

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18675	18900	19125
					1857.5MHz	1880.0MHz	1902.5MHz
Band 2	15	QPSK	1	0	20.61	20.78	20.82
			1	37	20.58	20.82	20.88
			1	74	20.54	20.89	21.06
			36	0	19.64	19.73	19.87
			36	16	19.63	19.72	19.87
			36	35	19.66	19.73	19.87
			75	0	19.65	19.75	19.95
		16QAM	1	0	19.70	19.73	19.93
			1	37	19.72	19.84	19.99
			1	74	19.71	19.89	20.19
			36	0	18.63	18.72	18.96
			36	16	18.62	18.72	18.96
			36	35	18.64	18.72	18.96
			75	0	18.56	18.74	18.92
		64QAM	1	0	18.63	18.79	18.90
			1	37	18.63	18.84	18.91
			1	74	18.60	18.96	19.08
			36	0	17.68	17.82	17.89
			36	16	17.72	17.75	17.90
			36	35	17.68	17.78	17.94
			75	0	17.65	17.85	17.99

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18700	18900	19100
					1860.0MHz	1880.0MHz	1900.0MHz
Band 2	20	QPSK	1	0	20.72	20.89	20.88
			1	49	20.67	20.92	20.97
			1	99	20.58	21.04	21.09
			50	0	19.71	19.81	19.89
			50	24	19.72	19.82	19.90
			50	49	19.74	19.82	19.89
			100	0	19.72	19.82	19.97
		16QAM	1	0	19.85	19.74	20.03
			1	49	19.81	19.79	20.16
			1	99	19.83	19.90	20.29
			50	0	18.56	18.76	18.93
			50	24	18.58	18.76	18.93
			50	49	18.57	18.75	18.93
			100	0	18.58	18.79	18.90
		64QAM	1	0	18.80	18.96	18.92
			1	49	18.75	18.97	18.97
			1	99	18.66	19.10	19.14
			50	0	17.73	17.84	17.93
			50	24	17.74	17.86	17.96
			50	49	17.78	17.86	17.97
			100	0	17.79	17.89	17.98

LTE Band 4 part ANT 5:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					19957	20175	20393
					1710.7	1732.5	1754.3
Band 4	1.4	QPSK	1	0	20.51	20.55	20.59
			1	2	20.45	20.52	20.58
			1	5	20.50	20.58	20.58
			3	0	20.51	20.61	20.57
			3	1	20.63	20.58	20.55
			3	2	20.52	20.56	20.56
			6	0	19.56	19.59	19.57
		16QAM	1	0	19.66	19.69	19.71
			1	2	19.74	19.77	19.73
			1	5	19.68	19.76	19.70
			3	0	19.45	19.45	19.42
			3	1	19.50	19.46	19.44
			3	2	19.52	19.49	19.46
			6	0	18.54	18.46	18.43
		64QAM	1	0	18.60	18.59	18.62
			1	2	18.45	18.59	18.60
			1	5	18.55	18.64	18.66
			3	0	18.56	18.68	18.67
			3	1	18.70	18.66	18.63
			3	2	18.57	18.62	18.56
			6	0	17.58	17.68	17.66

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					19965	20175	20385
					1711.5	1732.5	1753.5
Band 4	3	QPSK	1	0	20.48	20.52	20.56
			1	7	20.45	20.50	20.53
			1	14	20.46	20.57	20.52
			8	0	19.56	19.56	19.57
			8	4	19.56	19.57	19.58
			8	7	19.53	19.55	19.54
			15	0	19.55	19.52	19.58
		16QAM	1	0	19.71	19.43	19.69
			1	7	19.60	19.40	19.67
			1	14	19.63	19.47	19.67
			8	0	18.66	18.59	18.62
			8	4	18.67	18.60	18.62
			8	7	18.66	18.59	18.59
			15	0	18.57	18.48	18.61
		64QAM	1	0	18.57	18.57	18.58
			1	7	18.47	18.60	18.54
			1	14	18.53	18.60	18.56
			8	0	17.60	17.60	17.58
			8	4	17.65	17.63	17.62
			8	7	17.56	17.60	17.54
			15	0	17.64	17.60	17.63

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					19975	20175	20375
					1712.5	1732.5	1752.5
Band 4	5	QPSK	1	0	20.63	20.74	20.71
			1	12	20.58	20.71	20.71
			1	24	20.62	20.75	20.72
			12	0	19.56	19.59	19.65
			12	6	19.54	19.57	19.66
			12	11	19.59	19.59	19.65
			25	0	19.61	19.63	19.65
		16QAM	1	0	19.79	19.64	19.69
			1	12	19.76	19.67	19.67
			1	24	19.82	19.70	19.66
			12	0	18.74	18.65	18.63
			12	6	18.72	18.62	18.65
			12	11	18.73	18.62	18.62
			25	0	18.66	18.64	18.62
		64QAM	1	0	18.64	18.77	18.76
			1	12	18.65	18.74	18.77
			1	24	18.69	18.83	18.76
			12	0	17.62	17.62	17.67
			12	6	17.56	17.60	17.73
			12	11	17.60	17.67	17.68
			25	0	17.62	17.65	17.69

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20000	20175	20350
					1715	1732.5	1750
Band 4	10	QPSK	1	0	20.50	20.57	20.54
			1	24	20.48	20.61	20.57
			1	49	20.50	20.67	20.57
			25	0	19.58	19.58	19.59
			25	12	19.57	19.59	19.60
			25	24	19.58	19.59	19.59
			50	0	19.57	19.61	19.64
		16QAM	1	0	19.75	19.45	19.74
			1	24	19.75	19.54	19.79
			1	49	19.71	19.57	19.73
			25	0	18.62	18.58	18.52
			25	12	18.62	18.59	18.53
			25	24	18.62	18.59	18.53
			50	0	18.56	18.56	18.53
		64QAM	1	0	18.54	18.60	18.57
			1	24	18.52	18.63	18.61
			1	49	18.54	18.75	18.65
			25	0	17.62	17.58	17.63
			25	12	17.59	17.68	17.62
			25	24	17.67	17.62	17.60
			50	0	17.58	17.70	17.68

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20025	20175	20325
					1717.5	1732.5	1747.5
Band 4	15	QPSK	1	0	20.51	20.60	20.66
			1	37	20.49	20.65	20.60
			1	74	20.57	20.73	20.66
			36	0	19.54	19.54	19.62
			36	16	19.54	19.53	19.61
			36	35	19.54	19.53	19.62
			75	0	19.55	19.59	19.64
		16QAM	1	0	19.80	19.49	19.80
			1	37	19.82	19.55	19.80
			1	74	19.87	19.63	19.80
			36	0	18.59	18.47	18.50
			36	16	18.60	18.48	18.51
			36	35	18.60	18.48	18.51
			75	0	18.58	18.55	18.51
		64QAM	1	0	18.56	18.66	18.72
			1	37	18.54	18.74	18.61
			1	74	18.60	18.81	18.68
			36	0	17.61	17.63	17.69
			36	16	17.63	17.57	17.66
			36	35	17.55	17.62	17.63
			75	0	17.63	17.61	17.71

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20050	20175	20300
					1720	1732.5	1745
Band 4	20	QPSK	1	0	20.57	20.50	20.75
			1	49	20.64	20.58	20.73
			1	99	20.70	20.69	20.81
			50	0	19.60	19.62	19.68
			50	24	19.60	19.62	19.69
			50	49	19.60	19.61	19.69
			100	0	19.61	19.66	19.70
		16QAM	1	0	19.79	19.66	19.75
			1	49	19.81	19.71	19.73
			1	99	19.99	19.80	19.82
			50	0	18.57	18.63	18.55
			50	24	18.57	18.62	18.56
			50	49	18.56	18.62	18.56
			100	0	18.59	18.59	18.56
		64QAM	1	0	18.57	18.54	18.76
			1	49	18.65	18.60	18.78
			1	99	18.70	18.77	18.84
			50	0	17.63	17.63	17.74
			50	24	17.65	17.71	17.70
			50	49	17.68	17.62	17.69
			100	0	17.71	17.69	17.71

LTE Band 7 part ANT 5：

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20775	21100	21425
					2502.5MHz	2535MHz	2567.5MHz
Band 7	5	QPSK	1	0	20.07	20.55	20.61
			1	12	20.07	20.59	20.59
			1	24	20.19	20.63	20.63
			12	0	19.27	19.42	19.67
			12	6	19.28	19.47	19.68
			12	11	19.27	19.48	19.67
			25	0	19.30	19.45	19.73
		16QAM	1	0	19.31	19.46	19.70
			1	12	19.46	19.49	19.72
			1	24	19.50	19.47	19.70
			12	0	18.34	18.48	18.74
			12	6	18.36	18.47	18.73
			12	11	18.35	18.47	18.71
			25	0	18.30	18.49	18.73
		64QAM	1	0	18.08	18.62	18.64
			1	12	18.11	18.59	18.60
			1	24	18.27	18.67	18.70
			12	0	17.27	17.47	17.72
			12	6	17.31	17.53	17.72
			12	11	17.29	17.58	17.73
			25	0	17.38	17.45	17.82

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20800	21100	21400
					2505MHz	2535MHz	2565MHz
Band 7	10	QPSK	1	0	20.05	20.32	20.51
			1	24	20.16	20.46	20.50
			1	49	20.18	20.51	20.50
			25	0	19.29	19.46	19.64
			25	12	19.28	19.47	19.63
			25	24	19.27	19.47	19.64
			50	0	19.30	19.45	19.69
		16QAM	1	0	19.27	19.58	19.48
			1	24	19.41	19.61	19.60
			1	49	19.48	19.66	19.67
			25	0	18.27	18.49	18.70
			25	12	18.28	18.49	18.70
			25	24	18.27	18.47	18.70
			50	0	18.27	18.46	18.70
		64QAM	1	0	18.13	18.38	18.61
			1	24	18.20	18.47	18.59
			1	49	18.23	18.55	18.56
			25	0	17.32	17.55	17.66
			25	12	17.28	17.54	17.66
			25	24	17.32	17.51	17.71
			50	0	17.39	17.49	17.74

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20825	21100	21375
					2507.5MHz	2535MHz	2562.5MHz
Band 7	15	QPSK	1	0	19.96	20.33	20.46
			1	37	20.15	20.55	20.50
			1	74	20.21	20.57	20.47
			36	0	19.15	19.32	19.51
			36	16	19.13	19.29	19.48
			36	35	19.12	19.29	19.47
			75	0	19.17	19.33	19.51
		16QAM	1	0	19.15	19.50	19.49
			1	37	19.29	19.68	19.47
			1	74	19.35	19.65	19.60
			36	0	18.14	18.40	18.52
			36	16	18.14	18.38	18.49
			36	35	18.15	18.38	18.49
			75	0	18.17	18.35	18.53
		64QAM	1	0	18.05	18.42	18.50
			1	37	18.22	18.56	18.55
			1	74	18.28	18.63	18.54
			36	0	17.22	17.41	17.54
			36	16	17.19	17.38	17.58
			36	35	17.21	17.35	17.55
			75	0	17.20	17.36	17.59

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20850	21100	21350
					2510MHz	2535MHz	2560MHz
Band 7	20	QPSK	1	0	20.25	20.50	20.54
			1	49	20.38	20.77	20.54
			1	99	20.49	20.72	20.47
			50	0	19.39	19.53	19.74
			50	24	19.38	19.54	19.75
			50	49	19.38	19.54	19.73
			100	0	19.42	19.54	19.74
		16QAM	1	0	19.28	19.69	19.77
			1	49	19.44	19.87	19.75
			1	99	19.45	19.89	19.91
			50	0	18.38	18.55	18.79
			50	24	18.38	18.55	18.78
			50	49	18.39	18.56	18.79
			100	0	18.40	18.54	18.77
		64QAM	1	0	18.30	18.55	18.54
			1	49	18.45	18.83	18.60
			1	99	18.51	18.82	18.50
			50	0	17.46	17.60	17.76
			50	24	17.43	17.63	17.79
			50	49	17.47	17.55	17.81
			100	0	17.51	17.56	17.76

LTE Band 38 part ANT 5:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					37775	38000	38225
					2572.5MHz	2595MHz	2617.5MHz
Band 38	5	QPSK	1	0	21.19	21.24	21.13
			1	12	21.12	21.27	21.22
			1	24	21.12	21.32	21.21
			12	0	20.03	20.04	20.18
			12	6	20.01	20.05	20.17
			12	11	19.98	20.09	20.19
			25	0	19.97	20.14	20.26
		16QAM	1	0	20.31	20.39	20.45
			1	12	20.27	20.38	20.48
			1	24	20.29	20.38	20.50
			12	0	19.01	19.06	19.25
			12	6	18.99	19.04	19.25
			12	11	18.99	19.06	19.27
			25	0	18.96	19.09	19.26
		64QAM	1	0	19.20	19.30	19.22
			1	12	19.22	19.37	19.32
			1	24	19.22	19.40	19.26
			12	0	18.13	18.12	18.24
			12	6	18.01	18.09	18.21
			12	11	18.02	18.13	18.24
			25	0	18.01	18.15	18.31

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					37800	38000	38200
					2575MHz	2595MHz	2615MHz
Band 38	10	QPSK	1	0	20.94	21.10	21.19
			1	24	20.87	21.10	21.16
			1	49	20.95	21.16	21.23
			25	0	19.90	20.05	20.17
			25	12	19.92	20.06	20.18
			25	24	19.91	20.08	20.17
			50	0	19.93	20.06	20.20
		16QAM	1	0	20.17	20.49	20.22
			1	24	20.14	20.50	20.16
			1	49	20.19	20.45	20.35
			25	0	18.94	19.10	19.17
			25	12	18.94	19.12	19.17
			25	24	18.95	19.13	19.16
			50	0	18.89	19.05	19.18
		64QAM	1	0	18.95	19.17	19.23
			1	24	18.91	19.15	19.20
			1	49	19.05	19.21	19.33
			25	0	17.99	18.08	18.24
			25	12	18.01	18.10	18.27
			25	24	17.91	18.14	18.25
			50	0	17.95	18.12	18.25

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					37825	38000	38175
					2577.5MHz	2595MHz	2612.5MHz
Band 38	15	QPSK	1	0	20.79	20.92	21.20
			1	37	20.83	21.05	21.30
			1	74	20.88	21.09	21.35
			36	0	19.72	19.86	20.00
			36	16	19.73	19.83	20.00
			36	35	19.73	19.84	19.99
			75	0	19.76	19.87	20.03
		16QAM	1	0	20.06	20.19	20.09
			1	37	20.14	20.32	20.14
			1	74	20.22	20.36	20.21
			36	0	18.79	18.91	19.01
			36	16	18.78	18.90	19.00
			36	35	18.77	18.91	19.02
			75	0	18.81	18.94	19.06
		64QAM	1	0	18.84	19.01	19.27
			1	37	18.91	19.13	19.32
			1	74	18.89	19.09	19.45
			36	0	17.80	17.93	18.03
			36	16	17.74	17.84	18.09
			36	35	17.79	17.86	18.06
			75	0	17.79	17.96	18.12

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					37850	38000	38150
					2580MHz	2595MHz	2610MHz
Band 38	20	QPSK	1	0	20.80	20.86	20.99
			1	49	20.81	20.95	21.16
			1	99	20.95	21.05	21.21
			50	0	19.86	19.95	20.03
			50	24	19.84	19.95	20.03
			50	49	19.85	19.95	20.05
			100	0	19.88	19.98	20.07
		16QAM	1	0	20.00	19.57	20.01
			1	49	20.03	19.68	20.12
			1	99	20.10	19.79	20.15
			50	0	18.85	18.96	19.00
			50	24	18.85	18.96	19.00
			50	49	18.84	18.98	19.03
			100	0	18.83	18.96	19.06
		64QAM	1	0	18.89	18.93	19.02
			1	49	18.89	18.99	19.20
			1	99	19.05	19.11	19.27
			50	0	17.91	17.99	18.12
			50	24	17.93	18.05	18.06
			50	49	17.94	18.03	18.15
			100	0	17.90	18.04	18.15

LTE Band 41 part ANT 5:

LTE Band	Band-width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					40065	40355	40640	40750	41215
					2537.5MHz	2566.5MHz	2595.0MHz	2624.0MHz	2652.5MHz
Band 41	5	QPSK	1	0	20.68	21.13	21.33	21.19	21.57
			1	12	20.73	21.20	21.36	21.25	21.67
			1	24	20.77	21.23	21.42	21.29	21.68
			12	0	19.57	20.14	20.16	20.14	20.70
			12	6	19.55	20.12	20.17	20.14	20.69
			12	11	19.54	20.12	20.16	20.13	20.69
			25	0	19.63	20.19	20.21	20.20	20.75
		16QAM	1	0	19.82	20.36	20.52	20.41	20.90
			1	12	19.85	20.41	20.52	20.44	20.96
			1	24	19.83	20.39	20.51	20.43	20.95
			12	0	18.59	19.20	19.17	19.19	19.80
			12	6	18.57	19.16	19.17	19.16	19.74
			12	11	18.59	19.18	19.19	19.18	19.77
			25	0	18.60	19.16	19.19	19.17	19.72
		64QAM	1	0	18.76	19.18	19.42	19.26	19.60
			1	12	18.77	19.25	19.37	19.29	19.73
			1	24	18.84	19.27	19.49	19.34	19.69
			12	0	17.64	18.18	18.18	18.18	18.72
			12	6	17.58	18.18	18.17	18.17	18.77
			12	11	17.62	18.18	18.20	18.19	18.74
			25	0	17.63	18.22	18.30	18.24	18.80

LTE Band	Band-width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					40090	40365	40640	40915	41190
					2540.0MHz	2567.5MHz	2595.0MHz	2622.5MHz	2650.0MHz
Band 41	10	QPSK	1	0	20.56	21.11	21.20	21.14	21.65
			1	24	20.71	21.19	21.24	21.21	21.67
			1	49	20.76	21.25	21.34	21.28	21.73
			25	0	19.63	20.17	20.18	20.17	20.70
			25	12	19.61	20.16	20.18	20.17	20.71
			25	24	19.62	20.16	20.18	20.17	20.70
			50	0	19.64	20.18	20.21	20.19	20.72
		16QAM	1	0	19.99	20.34	20.61	20.43	20.68
			1	24	19.90	20.23	20.51	20.32	20.55
			1	49	20.14	20.41	20.59	20.47	20.67
			25	0	18.67	19.18	19.23	19.19	19.68
			25	12	18.67	19.17	19.24	19.19	19.67
			25	24	18.67	19.17	19.25	19.20	19.67
			50	0	18.62	19.16	19.19	19.17	19.69
		64QAM	1	0	18.59	19.17	19.28	19.21	19.75
			1	24	18.72	19.24	19.26	19.25	19.76
			1	49	18.81	19.32	19.34	19.33	19.83
			25	0	17.67	18.20	18.26	18.22	18.73
			25	12	17.64	18.21	18.21	18.21	18.78
			25	24	17.64	18.18	18.28	18.21	18.72
			50	0	17.71	18.24	18.30	18.26	18.76

LTE Band	Band-width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					40115	40375	40640	40900	41165
					2542.5MHz	2568.5MHz	2595.0MHz	2673.5MHz	2647.5MHz
Band 41	15	QPSK	1	0	20.47	21.10	21.07	21.09	21.73
			1	37	20.61	21.19	21.18	21.19	21.77
			1	74	20.73	21.31	21.26	21.29	21.89
			36	0	19.42	20.01	20.09	20.04	20.60
			36	16	19.45	20.01	20.06	20.03	20.57
			36	35	19.45	20.01	20.06	20.03	20.57
			75	0	19.54	20.08	20.08	20.08	20.61
		16QAM	1	0	19.83	20.22	20.35	20.26	20.60
			1	37	19.84	20.26	20.50	20.34	20.68
			1	74	19.97	20.36	20.55	20.42	20.74
			36	0	18.48	19.05	19.13	19.08	19.62
			36	16	18.52	19.07	19.14	19.09	19.61
			36	35	18.51	19.05	19.13	19.08	19.59
			75	0	18.58	19.11	19.14	19.12	19.63
		64QAM	1	0	18.50	19.14	19.16	19.14	19.77
			1	37	18.71	19.25	19.24	19.25	19.79
			1	74	18.76	19.34	19.32	19.33	19.91
			36	0	17.43	18.03	18.14	18.07	18.63
			36	16	17.48	18.03	18.09	18.05	18.57
			36	35	17.46	18.04	18.10	18.06	18.62
			75	0	17.59	18.12	18.16	18.13	18.65

LTE Band	Band-width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					40140	40390	40640	40890	41140
					2545.0MHz	2570.0MHz	2595.0MHz	2620.0MHz	2645.0MHz
Band 41	20	QPSK	1	0	20.53	21.03	21.05	21.03	21.52
			1	49	20.64	21.16	21.17	21.16	21.67
			1	99	20.77	21.24	21.27	21.25	21.70
			50	0	19.62	20.15	20.19	20.16	20.67
			50	24	19.64	20.16	20.20	20.17	20.68
			50	49	19.62	20.14	20.19	20.15	20.65
			100	0	19.65	20.17	20.23	20.19	20.69
		16QAM	1	0	19.43	19.88	20.26	20.00	20.32
			1	49	19.64	20.02	20.31	20.12	20.40
			1	99	19.74	20.11	20.47	20.23	20.47
			50	0	18.59	19.15	19.20	19.17	19.71
			50	24	18.57	19.14	19.19	19.16	19.71
			50	49	18.59	19.14	19.22	19.17	19.69
			100	0	18.65	19.17	19.22	19.18	19.68
		64QAM	1	0	18.61	19.10	19.06	19.09	19.59
			1	49	18.71	19.23	19.19	19.21	19.74
			1	99	18.79	19.28	19.28	19.28	19.77
			50	0	17.64	18.20	18.26	18.22	18.76
			50	24	17.66	18.22	18.29	18.24	18.78
			50	49	17.69	18.22	18.25	18.23	18.74
			100	0	17.73	18.22	18.31	18.25	18.70

LTE Band 66 part ANT 5:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					131979	132322	132665
					1710.70MHz	1745.00MHz	1779.3MHz
Band 66	1.4	QPSK	1	0	20.16	20.30	20.04
			1	2	20.14	20.27	19.98
			1	5	20.15	20.32	20.04
			3	0	20.15	20.22	20.00
			3	1	20.16	20.23	19.96
			3	2	20.18	20.21	19.95
			6	0	19.18	19.25	18.99
		16QAM	1	0	19.29	19.18	18.93
			1	2	19.25	19.18	18.92
			1	5	19.28	19.19	18.88
			3	0	19.16	19.02	18.87
			3	1	19.11	19.15	18.79
			3	2	19.12	19.16	18.90
			6	0	18.40	18.31	18.12
		64QAM	1	0	18.25	18.32	18.08
			1	2	18.18	18.36	18.05
			1	5	18.20	18.37	18.11
			3	0	18.20	18.23	18.04
			3	1	18.20	18.26	17.97
			3	2	18.27	18.26	17.99
			6	0	17.26	17.31	17.05

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					131987	132322	132657
					1711.50MHz	1745.00MHz	1778.50MHz
Band 66	3	QPSK	1	0	20.19	20.29	20.02
			1	7	20.17	20.26	20.01
			1	14	20.23	20.33	19.99
			8	0	19.23	19.25	19.11
			8	4	19.24	19.28	19.07
			8	7	19.21	19.24	19.04
			15	0	19.25	19.27	19.03
		16QAM	1	0	19.29	19.46	18.91
			1	7	19.23	19.39	18.89
			1	14	19.28	19.45	18.89
			8	0	18.43	18.35	18.20
			8	4	18.41	18.36	18.19
			8	7	18.36	18.35	18.17
			15	0	18.39	18.25	18.05
		64QAM	1	0	18.24	18.31	18.07
			1	7	18.24	18.34	18.03
			1	14	18.25	18.40	18.03
			8	0	17.26	17.27	17.12
			8	4	17.32	17.30	17.10
			8	7	17.29	17.25	17.07
			15	0	17.26	17.33	17.06

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					131997	132322	132647
					1712.50MHz	1745.00MHz	1777.50MHz
Band 66	5	QPSK	1	0	20.42	20.42	20.26
			1	12	20.42	20.42	20.21
			1	24	20.34	20.51	20.23
			12	0	19.34	19.33	19.16
			12	6	19.28	19.34	19.15
			12	11	19.32	19.34	19.15
			25	0	19.35	19.38	19.15
		16QAM	1	0	19.36	19.60	19.23
			1	12	19.31	19.61	19.15
			1	24	19.31	19.68	19.16
			12	0	18.45	18.48	18.28
			12	6	18.48	18.46	18.28
			12	11	18.46	18.45	18.28
			25	0	18.44	18.35	18.28
		64QAM	1	0	18.49	18.51	18.31
			1	12	18.50	18.49	18.29
			1	24	18.35	18.59	18.32
			12	0	17.36	17.39	17.24
			12	6	17.34	17.44	17.23
			12	11	17.40	17.40	17.19
			25	0	17.44	17.39	17.22

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					132022	132322	132622
					1715.00MHz	1745.00MHz	1775.00MHz
Band 66	10	QPSK	1	0	20.17	20.35	20.19
			1	24	20.22	20.39	20.19
			1	49	20.22	20.39	20.07
			25	0	19.33	19.35	19.15
			25	12	19.33	19.35	19.15
			25	24	19.33	19.35	19.16
			50	0	19.33	19.36	19.15
		16QAM	1	0	19.45	19.23	19.30
			1	24	19.46	19.29	19.30
			1	49	19.50	19.34	19.24
			25	0	18.40	18.40	18.17
			25	12	18.39	18.37	18.17
			25	24	18.38	18.37	18.20
			50	0	18.39	18.34	18.17
		64QAM	1	0	18.20	18.38	18.23
			1	24	18.25	18.48	18.20
			1	49	18.24	18.49	18.17
			25	0	17.41	17.41	17.22
			25	12	17.42	17.39	17.24
			25	24	17.34	17.41	17.20
			50	0	17.39	17.38	17.25

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					132047	132322	132597
					1717.50MHz	1745.00MHz	1772.50MHz
Band 66	15	QPSK	1	0	20.35	20.38	20.25
			1	37	20.29	20.43	20.19
			1	74	20.44	20.47	20.16
			36	0	19.28	19.34	19.17
			36	16	19.29	19.34	19.16
			36	35	19.28	19.34	19.16
			75	0	19.29	19.39	19.15
		16QAM	1	0	19.59	19.30	19.39
			1	37	19.60	19.37	19.32
			1	74	19.63	19.38	19.34
			36	0	18.40	18.29	18.17
			36	16	18.38	18.30	18.17
			36	35	18.39	18.29	18.16
			75	0	18.36	18.34	18.13
		64QAM	1	0	18.37	18.40	18.29
			1	37	18.33	18.46	18.24
			1	74	18.53	18.51	18.22
			36	0	17.30	17.42	17.22
			36	16	17.35	17.39	17.21
			36	35	17.31	17.38	17.18
			75	0	17.38	17.49	17.19

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					132072	132322	132572
					1720.00MHz	1745.00MHz	1770.00MHz
Band 66	20	QPSK	1	0	20.30	20.29	20.40
			1	49	20.35	20.40	20.34
			1	99	20.38	20.34	20.30
			50	0	19.34	19.40	19.25
			50	24	19.35	19.40	19.29
			50	49	19.33	19.40	19.27
			100	0	19.38	19.45	19.24
		16QAM	1	0	19.52	19.48	19.39
			1	49	19.57	19.58	19.29
			1	99	19.70	19.52	19.29
			50	0	18.36	18.41	18.23
			50	24	18.36	18.42	18.22
			50	49	18.36	18.42	18.21
			100	0	18.37	18.36	18.19
		64QAM	1	0	18.37	18.31	18.41
			1	49	18.38	18.49	18.36
			1	99	18.48	18.36	18.40
			50	0	17.44	17.50	17.27
			50	24	17.40	17.40	17.30
			50	49	17.43	17.44	17.37
			100	0	17.41	17.54	17.25

Uplink CA power

CA_7C								
PCC Channel	SCC Channel	Bandwidth (MHz)	Modulation	PCC		SCC		Average Power (dBm)
				RB Size	RB Offset	RB Size	RB Offset	
20850	21048	20+20	QPSK	1	99	0	0	23.33
21100	20902			1	99	0	0	23.31
21350	21152			1	99	0	0	23.27

CA_38C								
PCC Channel	SCC Channel	Bandwidth (MHz)	Modulation	PCC		SCC		Average Power (dBm)
				RB Size	RB Offset	RB Size	RB Offset	
37850	38048	20+20	QPSK	1	99	0	0	23.47
37901	38099			1	99	0	0	23.57
38150	37952			1	99	0	0	23.21

CA_41C								
PCC Channel	SCC Channel	Bandwidth (MHz)	Modulation	PCC		SCC		Average Power (dBm)
				RB Size	RB Offset	RB Size	RB Offset	
40140	40338	20+20	QPSK	1	99	0	0	23.36
40640	40692			1	99	0	0	23.42
41140	40942			1	99	0	0	23.79

CA_66C								
PCC Channel	SCC Channel	Bandwidth (MHz)	Modulation	PCC		SCC		Average Power (dBm)
				RB Size	RB Offset	RB Size	RB Offset	
132072	132270	20+20	QPSK	1	99	0	0	23.21
132323	132521			1	99	0	0	23.52
132374	132572			1	99	0	0	23.41

13.4 NR Conducted Power

NR n5 part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					165800	167300	168800
					829MHz	836.5MHz	844MHz
n5	30	10	12@6	DFT_BPSK	23.74	23.99	23.81
			1@1	DFT_BPSK	23.81	23.89	23.86
			1@22	DFT_BPSK	23.93	23.83	23.90
			24@0	DFT_BPSK	23.32	23.43	23.38
			12@6	DFT_QPSK	23.80	23.85	23.74
			1@1	DFT_QPSK	23.84	23.80	23.71
			1@22	DFT_QPSK	23.81	23.81	23.82
			24@0	DFT_QPSK	22.80	22.85	22.87
			12@6	DFT_QAM16	22.89	22.92	22.94
			1@1	DFT_QAM16	23.32	23.27	23.34
			1@22	DFT_QAM16	23.30	23.33	23.33
			24@0	DFT_QAM16	21.93	21.92	22.03
			12@6	DFT_QAM64	21.63	21.54	21.61
			1@1	DFT_QAM64	21.63	21.48	21.65
			1@22	DFT_QAM64	21.52	21.61	21.56
			24@0	DFT_QAM64	21.44	21.50	21.55
			12@6	DFT_QAM256	19.41	19.44	19.44
			1@1	DFT_QAM256	19.26	19.24	19.51
			1@22	DFT_QAM256	19.24	19.31	19.49
			24@0	DFT_QAM256	19.41	19.48	19.47
			12@6	CP_QPSK	22.50	22.52	22.48
			1@1	CP_QPSK	22.32	22.34	22.21
			1@22	CP_QPSK	22.29	22.29	22.35
			24@0	CP_QPSK	20.94	20.94	20.91
			12@6	CP_QAM16	21.73	21.77	21.76
			1@1	CP_QAM16	22.29	22.23	22.03
			1@22	CP_QAM16	22.25	21.99	21.92
			24@0	CP_QAM16	20.85	20.93	20.93
			12@6	CP_QAM64	20.41	20.50	20.48
			1@1	CP_QAM64	20.33	20.61	20.48
			1@22	CP_QAM64	20.49	20.52	20.96
			24@0	CP_QAM64	20.32	20.42	20.32
			12@6	CP_QAM256	17.34	17.48	17.38
			1@1	CP_QAM256	17.30	17.54	17.41
			1@22	CP_QAM256	17.44	17.40	17.44
			24@0	CP_QAM256	17.39	17.51	17.34

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					166300	167300	168300
					831.5MHz	836.5MHz	841.5MHz
n5	30	15	18@9	DFT_BPSK	23.95	23.80	23.91
			1@1	DFT_BPSK	23.79	23.72	23.84
			1@36	DFT_BPSK	23.90	23.78	23.85
			36@0	DFT_BPSK	23.33	23.44	23.34
			18@9	DFT_QPSK	23.84	23.77	23.82
			1@1	DFT_QPSK	23.56	23.79	23.70
			1@36	DFT_QPSK	23.70	23.74	23.70
			36@0	DFT_QPSK	22.93	22.92	22.92
			18@9	DFT_QAM16	23.02	23.03	23.04
			1@1	DFT_QAM16	22.71	22.84	23.25
			1@36	DFT_QAM16	22.85	22.86	23.15
			36@0	DFT_QAM16	21.95	22.04	21.93
			18@9	DFT_QAM64	21.51	21.60	21.56
			1@1	DFT_QAM64	21.50	21.43	21.48
			1@36	DFT_QAM64	21.41	21.68	21.44
			36@0	DFT_QAM64	21.48	21.49	21.49
			18@9	DFT_QAM256	19.42	19.48	19.42
			1@1	DFT_QAM256	19.36	19.25	19.51
			1@36	DFT_QAM256	19.45	19.39	19.21
			36@0	DFT_QAM256	19.37	19.36	19.40
			19@9	CP_QPSK	22.59	22.40	22.37
			1@1	CP_QPSK	22.10	22.09	22.37
			1@36	CP_QPSK	22.32	22.06	22.13
			38@0	CP_QPSK	20.92	20.94	20.93
			19@9	CP_QAM16	21.96	22.01	21.95
			1@1	CP_QAM16	22.22	21.74	22.17
			1@36	CP_QAM16	22.30	22.04	21.93
			38@0	CP_QAM16	20.91	20.98	20.88
			19@9	CP_QAM64	20.63	20.65	20.66
			1@1	CP_QAM64	20.26	20.48	20.35
			1@36	CP_QAM64	20.94	20.53	20.34
			38@0	CP_QAM64	20.45	20.53	20.40
			19@9	CP_QAM256	17.44	17.53	17.47
			1@1	CP_QAM256	17.26	17.19	17.37
			1@36	CP_QAM256	17.39	17.41	17.36
			38@0	CP_QAM256	17.42	17.42	17.48

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					166800	167300	167800
					834MHz	836.5MHz	839MHz
n5	30	20	25@12	DFT_BPSK	24.02	24.15	24.11
			1@1	DFT_BPSK	23.78	23.70	23.72
			1@49	DFT_BPSK	23.77	23.84	23.90
			50@0	DFT_BPSK	23.43	23.41	23.38
			25@12	DFT_QPSK	23.98	23.94	24.14
			1@1	DFT_QPSK	23.64	23.58	23.68
			1@49	DFT_QPSK	23.65	23.61	23.75
			50@0	DFT_QPSK	22.92	22.91	22.89
			25@12	DFT_QAM16	23.00	22.93	23.01
			1@1	DFT_QAM16	22.79	23.23	23.24
			1@49	DFT_QAM16	22.86	23.18	22.83
			50@0	DFT_QAM16	21.98	21.98	21.88
			25@12	DFT_QAM64	21.51	21.49	21.53
			1@1	DFT_QAM64	21.48	21.62	21.54
			1@49	DFT_QAM64	21.51	21.37	21.38
			50@0	DFT_QAM64	21.45	21.46	21.42
			25@12	DFT_QAM256	19.47	19.48	19.46
			1@1	DFT_QAM256	19.28	19.20	19.40
			1@49	DFT_QAM256	19.27	19.40	19.22
			50@0	DFT_QAM256	19.44	19.45	19.41
			25@12	CP_QPSK	22.52	22.62	22.53
			1@1	CP_QPSK	22.20	22.20	22.12
			1@49	CP_QPSK	22.13	22.26	22.33
			51@0	CP_QPSK	20.90	20.84	20.88
			25@12	CP_QAM16	22.05	22.04	22.01
			1@1	CP_QAM16	22.11	21.95	22.27
			1@49	CP_QAM16	22.06	21.91	21.80
			51@0	CP_QAM16	20.93	21.01	20.86
			25@12	CP_QAM64	20.60	20.54	20.60
			1@1	CP_QAM64	20.44	20.20	20.39
			1@49	CP_QAM64	20.65	20.33	20.47
			51@0	CP_QAM64	20.42	20.55	20.53
			25@12	CP_QAM256	17.58	17.53	17.50
			1@1	CP_QAM256	17.28	17.22	17.28
			1@49	CP_QAM256	17.32	17.28	17.26
			51@0	CP_QAM256	17.39	17.39	17.33

NR n7 part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					501000	507000	513000
					2505MHz	2535MHz	2565MHz
n7	30	10	12@6	DFT_BPSK	22.57	22.67	22.71
			1@1	DFT_BPSK	22.35	22.59	22.62
			1@22	DFT_BPSK	22.53	22.69	22.76
			24@0	DFT_BPSK	22.08	22.16	22.22
			12@6	DFT_QPSK	22.55	22.67	22.74
			1@1	DFT_QPSK	22.39	22.47	22.53
			1@22	DFT_QPSK	22.42	22.56	22.58
			24@0	DFT_QPSK	21.48	21.53	21.79
			12@6	DFT_QAM16	21.51	21.68	21.75
			1@1	DFT_QAM16	21.65	21.66	21.52
			1@22	DFT_QAM16	21.89	21.72	22.25
			24@0	DFT_QAM16	20.57	20.67	20.82
			12@6	DFT_QAM64	20.15	20.39	20.52
			1@1	DFT_QAM64	19.85	20.17	20.07
			1@22	DFT_QAM64	20.07	20.14	20.56
			24@0	DFT_QAM64	20.14	20.32	20.27
			12@6	DFT_QAM256	18.08	18.16	18.25
			1@1	DFT_QAM256	17.76	18.29	17.98
			1@22	DFT_QAM256	18.14	18.33	18.13
			24@0	DFT_QAM256	18.00	18.18	18.32
			12@6	CP_QPSK	20.93	21.07	21.18
			1@1	CP_QPSK	20.85	20.90	20.98
			1@22	CP_QPSK	20.97	21.12	21.19
			24@0	CP_QPSK	19.47	19.62	19.66
			12@6	CP_QAM16	20.44	20.55	20.67
			1@1	CP_QAM16	20.51	20.80	21.09
			1@22	CP_QAM16	20.65	20.98	20.86
			24@0	CP_QAM16	19.48	19.63	19.81
			12@6	CP_QAM64	19.03	19.07	19.35
			1@1	CP_QAM64	19.64	19.37	19.27
			1@22	CP_QAM64	19.32	19.43	19.92
			24@0	CP_QAM64	19.04	19.19	19.23
			12@6	CP_QAM256	16.10	16.31	16.18
			1@1	CP_QAM256	16.19	16.31	16.32
			1@22	CP_QAM256	16.34	16.48	16.61
			24@0	CP_QAM256	16.11	16.17	16.27

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					501500	507000	512500
					2507.5MHz	2535MHz	2562.5MHz
n7	30	15	18@9	DFT_BPSK	22.48	22.53	22.56
			1@1	DFT_BPSK	22.42	22.54	22.41
			1@36	DFT_BPSK	22.48	22.60	22.70
			36@0	DFT_BPSK	22.02	22.08	22.13
			18@9	DFT_QPSK	22.43	22.50	22.57
			1@1	DFT_QPSK	22.34	22.42	22.34
			1@36	DFT_QPSK	22.45	22.45	22.73
			36@0	DFT_QPSK	21.54	21.64	21.70
			18@9	DFT_QAM16	21.64	21.77	21.81
			1@1	DFT_QAM16	21.41	21.90	21.48
			1@36	DFT_QAM16	21.61	21.84	21.88
			36@0	DFT_QAM16	20.48	20.61	20.70
			18@9	DFT_QAM64	20.20	20.27	20.35
			1@1	DFT_QAM64	19.85	20.06	20.29
			1@36	DFT_QAM64	20.04	20.07	20.58
			36@0	DFT_QAM64	20.08	20.13	20.30
			18@9	DFT_QAM256	18.04	18.20	18.09
			1@1	DFT_QAM256	18.02	17.94	18.02
			1@36	DFT_QAM256	17.91	17.93	18.15
			36@0	DFT_QAM256	17.93	18.08	18.10
			19@9	CP_QPSK	21.10	21.19	21.08
			1@1	CP_QPSK	20.83	21.09	20.85
			1@36	CP_QPSK	20.95	21.06	21.23
			38@0	CP_QPSK	19.44	19.56	19.70
			19@9	CP_QAM16	20.54	20.66	20.78
			1@1	CP_QAM16	20.53	20.89	20.25
			1@36	CP_QAM16	20.69	20.55	20.97
			38@0	CP_QAM16	19.55	19.68	19.66
			19@9	CP_QAM64	19.16	19.37	19.42
			1@1	CP_QAM64	19.45	19.27	19.36
			1@36	CP_QAM64	19.49	19.34	19.57
			38@0	CP_QAM64	19.03	19.06	19.31
			19@9	CP_QAM256	16.10	16.17	16.18
			1@1	CP_QAM256	16.01	16.10	16.03
			1@36	CP_QAM256	16.12	16.09	16.38
			38@0	CP_QAM256	16.02	16.14	16.12

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					502000	507000	512000
					2510MHz	2535MHz	2560MHz
n7	30	20	25@12	DFT_BPSK	22.56	22.68	22.61
			1@1	DFT_BPSK	22.48	22.49	22.48
			1@49	DFT_BPSK	22.49	22.54	22.71
			50@0	DFT_BPSK	22.08	22.17	22.16
			25@12	DFT_QPSK	22.61	22.69	22.66
			1@1	DFT_QPSK	22.24	22.40	22.35
			1@49	DFT_QPSK	22.33	22.41	22.58
			50@0	DFT_QPSK	21.58	21.61	21.59
			25@12	DFT_QAM16	21.61	21.76	21.67
			1@1	DFT_QAM16	21.59	21.98	21.84
			1@49	DFT_QAM16	21.97	22.01	21.64
			50@0	DFT_QAM16	20.56	20.60	20.63
			25@12	DFT_QAM64	20.14	20.14	20.17
			1@1	DFT_QAM64	19.90	20.08	19.89
			1@49	DFT_QAM64	20.12	19.94	20.09
			50@0	DFT_QAM64	20.05	20.08	20.07
			25@12	DFT_QAM256	18.04	18.17	18.11
			1@1	DFT_QAM256	17.75	17.95	17.85
			1@49	DFT_QAM256	18.08	17.95	18.31
			50@0	DFT_QAM256	18.02	18.13	18.08
			25@12	CP_QPSK	21.15	21.13	21.23
			1@1	CP_QPSK	20.88	20.99	20.98
			1@49	CP_QPSK	20.96	21.05	21.32
			51@0	CP_QPSK	19.55	19.61	19.65
			25@12	CP_QAM16	20.64	20.73	20.69
			1@1	CP_QAM16	20.88	20.99	20.90
			1@49	CP_QAM16	20.83	20.94	20.75
			51@0	CP_QAM16	19.69	19.74	19.67
			25@12	CP_QAM64	19.12	19.26	19.16
			1@1	CP_QAM64	19.73	19.77	19.21
			1@49	CP_QAM64	19.28	19.90	20.01
			51@0	CP_QAM64	19.12	19.22	19.20
			25@12	CP_QAM256	16.19	16.18	16.18
			1@1	CP_QAM256	15.96	16.12	15.92
			1@49	CP_QAM256	16.11	16.07	16.32
			51@0	CP_QAM256	16.03	16.03	16.09

NR n12 part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					140800	141500	142200
					704MHz	707.5MHz	711MHz
n12	30	10	12@6	DFT_BPSK	23.86	23.92	23.93
			1@1	DFT_BPSK	23.93	23.85	23.94
			1@22	DFT_BPSK	24.01	23.88	23.90
			24@0	DFT_BPSK	23.49	23.37	23.30
			12@6	DFT_QPSK	23.87	23.89	23.86
			1@1	DFT_QPSK	23.76	23.70	23.83
			1@22	DFT_QPSK	23.84	23.77	23.74
			24@0	DFT_QPSK	22.87	22.94	22.88
			12@6	DFT_QAM16	22.71	22.85	22.94
			1@1	DFT_QAM16	23.25	23.28	22.98
			1@22	DFT_QAM16	23.35	22.94	23.38
			24@0	DFT_QAM16	21.88	21.92	22.05
			12@6	DFT_QAM64	21.48	21.62	21.53
			1@1	DFT_QAM64	21.40	21.41	21.29
			1@22	DFT_QAM64	21.46	21.21	21.24
			24@0	DFT_QAM64	21.43	21.50	21.64
			12@6	DFT_QAM256	19.45	19.49	19.60
			1@1	DFT_QAM256	19.47	19.50	19.30
			1@22	DFT_QAM256	19.28	19.30	19.22
			24@0	DFT_QAM256	19.50	19.40	19.51
			12@6	CP_QPSK	22.28	22.43	22.28
			1@1	CP_QPSK	22.25	22.38	22.44
			1@22	CP_QPSK	22.35	22.36	22.39
			24@0	CP_QPSK	20.93	20.77	21.06
			12@6	CP_QAM16	21.73	21.84	21.85
			1@1	CP_QAM16	22.20	22.26	22.33
			1@22	CP_QAM16	22.10	21.92	21.95
			24@0	CP_QAM16	20.86	20.82	20.94
			12@6	CP_QAM64	20.42	20.49	20.58
			1@1	CP_QAM64	21.35	20.71	20.75
			1@22	CP_QAM64	20.85	21.34	20.66
			24@0	CP_QAM64	20.53	20.42	20.51
			12@6	CP_QAM256	17.50	17.62	17.62
			1@1	CP_QAM256	17.70	17.72	17.77
			1@22	CP_QAM256	17.82	17.71	17.80
			24@0	CP_QAM256	17.52	17.73	17.56

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					141300	141500	141700
					706.5MHz	707.5MHz	708.5MHz
n12	30	15	18@9	DFT_BPSK	23.87	23.84	23.84
			1@1	DFT_BPSK	23.85	23.80	23.80
			1@36	DFT_BPSK	23.89	23.84	23.79
			36@0	DFT_BPSK	23.40	23.39	23.36
			18@9	DFT_QPSK	23.86	23.83	23.80
			1@1	DFT_QPSK	23.64	23.71	23.67
			1@36	DFT_QPSK	23.67	23.66	23.62
			36@0	DFT_QPSK	22.90	22.91	22.94
			18@9	DFT_QAM16	22.99	22.97	23.04
			1@1	DFT_QAM16	23.12	22.92	22.81
			1@36	DFT_QAM16	23.05	22.96	22.82
			36@0	DFT_QAM16	21.93	21.98	21.96
			18@9	DFT_QAM64	21.56	21.63	21.61
			1@1	DFT_QAM64	21.37	21.35	21.29
			1@36	DFT_QAM64	21.66	21.38	21.48
			36@0	DFT_QAM64	21.41	21.46	21.39
			18@9	DFT_QAM256	19.43	19.37	19.44
			1@1	DFT_QAM256	19.45	19.48	19.25
			1@36	DFT_QAM256	19.35	19.52	19.22
			36@0	DFT_QAM256	19.35	19.39	19.39
			19@9	CP_QPSK	22.44	22.49	22.49
			1@1	CP_QPSK	22.23	22.20	22.24
			1@36	CP_QPSK	22.35	22.08	22.16
			38@0	CP_QPSK	20.89	20.90	20.91
			19@9	CP_QAM16	21.97	21.97	21.93
			1@1	CP_QAM16	22.29	22.13	21.95
			1@36	CP_QAM16	21.85	21.96	22.00
			38@0	CP_QAM16	20.91	20.85	20.86
			19@9	CP_QAM64	20.63	20.69	20.51
			1@1	CP_QAM64	20.83	20.69	20.67
			1@36	CP_QAM64	20.47	20.97	20.89
			38@0	CP_QAM64	20.56	20.54	20.55
			19@9	CP_QAM256	17.63	17.57	17.59
			1@1	CP_QAM256	17.44	17.32	17.36
			1@36	CP_QAM256	17.45	17.49	17.44
			38@0	CP_QAM256	17.40	17.53	17.53

NR n38 part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					515000	519000	523000
					2575MHz	2595MHz	2615MHz
n38	30	10	12@6	DFT_BPSK	22.87	22.88	22.91
			1@1	DFT_BPSK	22.90	22.73	22.99
			1@22	DFT_BPSK	22.78	22.95	22.83
			24@0	DFT_BPSK	22.31	22.39	22.37
			12@6	DFT_QPSK	22.81	22.82	22.94
			1@1	DFT_QPSK	22.73	22.73	22.84
			1@22	DFT_QPSK	22.68	22.85	22.74
			24@0	DFT_QPSK	21.84	21.76	21.89
			12@6	DFT_QAM16	21.87	21.84	21.85
			1@1	DFT_QAM16	22.25	21.81	21.94
			1@22	DFT_QAM16	22.20	22.37	22.33
			24@0	DFT_QAM16	20.86	20.97	20.96
			12@6	DFT_QAM64	20.60	20.57	20.54
			1@1	DFT_QAM64	20.16	20.13	20.39
			1@22	DFT_QAM64	20.03	20.41	20.33
			24@0	DFT_QAM64	20.34	20.50	20.50
			12@6	DFT_QAM256	18.46	18.36	18.32
			1@1	DFT_QAM256	18.21	18.14	18.32
			1@22	DFT_QAM256	18.40	18.26	18.18
			24@0	DFT_QAM256	18.34	18.42	18.46
			12@6	CP_QPSK	21.34	21.30	21.40
			1@1	CP_QPSK	21.32	21.13	21.31
			1@22	CP_QPSK	21.21	21.31	21.15
			24@0	CP_QPSK	19.87	19.79	20.00
			12@6	CP_QAM16	20.75	20.87	20.79
			1@1	CP_QAM16	21.19	20.63	21.32
			1@22	CP_QAM16	21.12	20.86	20.73
			24@0	CP_QAM16	19.73	19.86	19.96
			12@6	CP_QAM64	19.33	19.39	19.34
			1@1	CP_QAM64	20.20	19.74	20.01
			1@22	CP_QAM64	20.07	20.07	19.68
			24@0	CP_QAM64	19.45	19.42	19.53
			12@6	CP_QAM256	16.52	16.54	16.40
			1@1	CP_QAM256	16.58	16.62	16.85
			1@22	CP_QAM256	16.47	16.68	16.59
			24@0	CP_QAM256	16.52	16.36	16.46

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					515500	519000	522500
					2577.5MHz	2595MHz	2612.5MHz
n38	30	15	18@9	DFT_BPSK	22.74	22.80	22.88
			1@1	DFT_BPSK	22.83	22.69	22.94
			1@36	DFT_BPSK	22.78	23.02	22.86
			36@0	DFT_BPSK	22.27	22.26	22.40
			18@9	DFT_QPSK	22.74	22.76	22.87
			1@1	DFT_QPSK	22.70	22.70	22.91
			1@36	DFT_QPSK	22.64	22.81	22.66
			36@0	DFT_QPSK	21.82	21.81	21.93
			18@9	DFT_QAM16	21.90	21.83	21.97
			1@1	DFT_QAM16	22.21	21.95	22.23
			1@36	DFT_QAM16	21.98	22.02	22.10
			36@0	DFT_QAM16	20.88	20.94	20.91
			18@9	DFT_QAM64	20.42	20.43	20.62
			1@1	DFT_QAM64	20.29	20.03	20.77
			1@36	DFT_QAM64	20.09	20.30	20.17
			36@0	DFT_QAM64	20.35	20.41	20.52
			18@9	DFT_QAM256	18.33	18.29	18.38
			1@1	DFT_QAM256	18.25	18.18	18.57
			1@36	DFT_QAM256	18.15	18.56	18.29
			36@0	DFT_QAM256	18.25	18.31	18.40
			19@9	CP_QPSK	21.27	21.34	21.47
			1@1	CP_QPSK	21.33	21.30	21.49
			1@36	CP_QPSK	21.18	21.50	21.34
			38@0	CP_QPSK	19.86	19.83	19.93
			19@9	CP_QAM16	20.71	20.84	20.97
			1@1	CP_QAM16	21.24	21.30	21.47
			1@36	CP_QAM16	21.15	20.93	20.78
			38@0	CP_QAM16	19.90	19.86	19.92
			19@9	CP_QAM64	19.57	19.55	19.69
			1@1	CP_QAM64	19.67	19.77	19.96
			1@36	CP_QAM64	19.95	19.71	19.47
			38@0	CP_QAM64	19.46	19.46	19.45
			19@9	CP_QAM256	16.38	16.34	16.50
			1@1	CP_QAM256	16.54	16.45	16.57
			1@36	CP_QAM256	16.52	16.60	16.44
			38@0	CP_QAM256	16.32	16.36	16.47

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					516000	519000	522000
					2580MHz	2595MHz	2610MHz
n38	30	20	25@12	DFT_BPSK	22.81	22.84	22.95
			1@1	DFT_BPSK	22.78	22.68	22.95
			1@49	DFT_BPSK	22.70	22.97	22.85
			50@0	DFT_BPSK	22.31	22.39	22.44
			25@12	DFT_QPSK	22.87	22.83	22.94
			1@1	DFT_QPSK	22.77	22.62	22.83
			1@49	DFT_QPSK	22.64	22.93	22.70
			50@0	DFT_QPSK	21.78	21.83	21.91
			25@12	DFT_QAM16	21.82	21.90	22.04
			1@1	DFT_QAM16	21.97	21.83	22.10
			1@49	DFT_QAM16	21.84	21.98	22.25
			50@0	DFT_QAM16	20.86	20.90	20.94
			25@12	DFT_QAM64	20.33	20.42	20.52
			1@1	DFT_QAM64	20.24	20.17	20.19
			1@49	DFT_QAM64	20.56	20.37	20.20
			50@0	DFT_QAM64	20.30	20.31	20.45
			25@12	DFT_QAM256	18.29	18.34	18.43
			1@1	DFT_QAM256	18.47	18.35	18.30
			1@49	DFT_QAM256	18.37	18.70	18.23
			50@0	DFT_QAM256	18.30	18.31	18.46
			25@12	CP_QPSK	21.29	21.44	21.46
			1@1	CP_QPSK	21.35	21.20	21.46
			1@49	CP_QPSK	21.30	21.48	21.32
			51@0	CP_QPSK	19.85	19.87	19.98
			25@12	CP_QAM16	20.86	20.92	21.03
			1@1	CP_QAM16	20.83	20.78	21.37
			1@49	CP_QAM16	20.74	21.41	21.18
			51@0	CP_QAM16	19.83	19.95	20.03
			25@12	CP_QAM64	19.56	19.46	19.56
			1@1	CP_QAM64	19.48	19.65	19.80
			1@49	CP_QAM64	19.71	19.84	19.67
			51@0	CP_QAM64	19.32	19.37	19.58
			25@12	CP_QAM256	16.43	16.47	16.59
			1@1	CP_QAM256	16.47	16.44	16.56
			1@49	CP_QAM256	16.42	16.73	16.51
			51@0	CP_QAM256	16.31	16.35	16.43

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					518000	519000	520000
					2590MHz	2595MHz	2600MHz
n38	30	40	50@25	DFT_BPSK	22.80	22.83	22.89
			1@1	DFT_BPSK	22.92	22.87	22.74
			1@104	DFT_BPSK	23.00	22.99	22.83
			100@0	DFT_BPSK	22.39	22.41	22.44
			50@25	DFT_QPSK	22.80	22.86	22.86
			1@1	DFT_QPSK	22.79	22.66	22.65
			1@104	DFT_QPSK	22.92	22.82	22.76
			100@0	DFT_QPSK	21.86	21.82	21.85
			50@25	DFT_QAM16	21.82	21.88	21.89
			1@1	DFT_QAM16	21.98	22.20	22.06
			1@104	DFT_QAM16	21.99	22.11	22.02
			100@0	DFT_QAM16	20.85	20.87	20.90
			50@25	DFT_QAM64	20.31	20.35	20.46
			1@1	DFT_QAM64	20.27	20.06	20.13
			1@104	DFT_QAM64	20.40	20.22	20.07
			100@0	DFT_QAM64	20.37	20.37	20.38
			50@25	DFT_QAM256	18.27	18.33	18.41
			1@1	DFT_QAM256	18.57	18.27	18.11
			1@104	DFT_QAM256	18.47	18.39	18.26
			100@0	DFT_QAM256	18.42	18.39	18.42
			53@26	CP_QPSK	21.25	21.37	21.38
			1@1	CP_QPSK	21.29	21.21	21.14
			1@104	CP_QPSK	21.47	21.38	21.23
			106@0	CP_QPSK	19.90	19.92	19.91
			53@26	CP_QAM16	20.82	20.79	20.96
			1@1	CP_QAM16	21.25	20.61	20.58
			1@104	CP_QAM16	21.37	20.78	20.61
			106@0	CP_QAM16	19.90	19.84	19.84
			53@26	CP_QAM64	19.35	19.42	19.44
			1@1	CP_QAM64	19.70	19.63	19.57
			1@104	CP_QAM64	20.36	19.80	19.66
			106@0	CP_QAM64	19.36	19.41	19.43
			53@26	CP_QAM256	16.36	16.40	16.43
			1@1	CP_QAM256	16.29	16.33	16.12
			1@104	CP_QAM256	16.46	16.22	16.18
			106@0	CP_QAM256	16.38	16.43	16.44

NR n41 part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					500202	518598	537000
					2501.01MHz	2592.99MHz	2685MHz
n41	30	10	12@6	DFT_BPSK	23.09	22.86	23.05
			1@1	DFT_BPSK	23.01	22.77	22.68
			1@22	DFT_BPSK	23.13	23.08	23.18
			24@0	DFT_BPSK	22.61	22.38	22.52
			12@6	DFT_QPSK	23.13	22.86	23.04
			1@1	DFT_QPSK	22.96	22.68	22.62
			1@22	DFT_QPSK	23.06	22.93	23.10
			24@0	DFT_QPSK	22.10	21.83	22.07
			12@6	DFT_QAM16	22.20	21.90	22.04
			1@1	DFT_QAM16	22.43	21.92	22.06
			1@22	DFT_QAM16	22.45	22.29	22.59
			24@0	DFT_QAM16	21.11	20.87	21.02
			12@6	DFT_QAM64	20.71	20.44	20.58
			1@1	DFT_QAM64	20.60	20.03	20.13
			1@22	DFT_QAM64	20.68	20.37	20.43
			24@0	DFT_QAM64	20.66	20.41	20.50
			12@6	DFT_QAM256	18.62	18.35	18.46
			1@1	DFT_QAM256	18.69	18.08	18.09
			1@22	DFT_QAM256	18.77	18.69	18.61
			24@0	DFT_QAM256	18.53	18.36	18.48
			12@6	CP_QPSK	21.70	21.47	21.50
			1@1	CP_QPSK	21.53	21.28	21.20
			1@22	CP_QPSK	21.70	21.59	21.70
			24@0	CP_QPSK	20.15	19.93	20.01
			12@6	CP_QAM16	21.18	20.98	21.07
			1@1	CP_QAM16	21.16	21.14	20.64
			1@22	CP_QAM16	21.20	21.44	21.54
			24@0	CP_QAM16	20.17	19.97	20.06
			12@6	CP_QAM64	19.76	19.50	19.64
			1@1	CP_QAM64	20.30	20.14	19.99
			1@22	CP_QAM64	20.51	20.04	20.57
			24@0	CP_QAM64	19.65	19.46	19.59
			12@6	CP_QAM256	16.67	16.60	16.70
			1@1	CP_QAM256	16.51	16.37	16.22
			1@22	CP_QAM256	16.73	16.67	16.64
			24@0	CP_QAM256	16.64	16.38	16.52

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					500700	518598	536496
					2503.5MHz	2592.99MHz	2682.48MHz
n41	30	15	18@9	DFT_BPSK	23.24	22.84	22.86
			1@1	DFT_BPSK	23.01	23.06	22.79
			1@36	DFT_BPSK	22.77	22.99	23.21
			36@0	DFT_BPSK	22.59	22.50	22.29
			18@9	DFT_QPSK	23.22	22.86	22.82
			1@1	DFT_QPSK	22.90	22.92	22.67
			1@36	DFT_QPSK	22.68	22.93	23.12
			36@0	DFT_QPSK	22.06	21.96	21.84
			18@9	DFT_QAM16	22.20	21.89	21.80
			1@1	DFT_QAM16	22.46	22.46	22.19
			1@36	DFT_QAM16	21.91	22.36	22.58
			36@0	DFT_QAM16	21.08	20.94	20.79
			18@9	DFT_QAM64	20.70	20.31	20.24
			1@1	DFT_QAM64	20.39	20.33	20.08
			1@36	DFT_QAM64	20.09	20.29	20.55
			36@0	DFT_QAM64	20.64	20.49	20.43
			18@9	DFT_QAM256	18.73	18.45	18.31
			1@1	DFT_QAM256	18.68	18.72	18.27
			1@36	DFT_QAM256	18.40	18.42	18.85
			36@0	DFT_QAM256	18.60	18.48	18.31
			19@9	CP_QPSK	21.65	21.31	21.27
			1@1	CP_QPSK	21.33	21.44	21.17
			1@36	CP_QPSK	21.18	21.37	21.65
			38@0	CP_QPSK	20.13	19.98	19.82
			19@9	CP_QAM16	21.19	20.85	20.77
			1@1	CP_QAM16	21.40	20.80	21.12
			1@36	CP_QAM16	20.56	20.81	21.03
			38@0	CP_QAM16	20.01	19.94	19.84
			19@9	CP_QAM64	19.77	19.50	19.34
			1@1	CP_QAM64	20.16	19.81	19.58
			1@36	CP_QAM64	20.10	19.83	19.86
			38@0	CP_QAM64	19.54	19.38	19.30
			19@9	CP_QAM256	16.73	16.42	16.25
			1@1	CP_QAM256	16.44	16.44	16.09
			1@36	CP_QAM256	16.11	16.28	16.56
			38@0	CP_QAM256	16.59	16.47	16.29

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					501204	518598	535988
					2506.02MHz	2592.99MHz	2679.99MHz
n41	30	20	25@12	DFT_BPSK	22.98	23.03	22.82
			1@1	DFT_BPSK	23.03	22.80	22.84
			1@49	DFT_BPSK	22.85	22.72	23.21
			50@0	DFT_BPSK	22.46	22.42	22.45
			25@12	DFT_QPSK	23.10	23.05	22.84
			1@1	DFT_QPSK	23.05	22.71	22.71
			1@49	DFT_QPSK	22.75	22.63	23.12
			50@0	DFT_QPSK	22.02	21.96	21.99
			25@12	DFT_QAM16	22.05	22.04	21.90
			1@1	DFT_QAM16	22.20	21.87	21.95
			1@49	DFT_QAM16	21.92	22.18	22.30
			50@0	DFT_QAM16	20.99	20.94	20.93
			25@12	DFT_QAM64	20.59	20.59	20.46
			1@1	DFT_QAM64	20.65	20.27	20.18
			1@49	DFT_QAM64	20.29	20.19	20.69
			50@0	DFT_QAM64	20.51	20.45	20.46
			25@12	DFT_QAM256	18.57	18.57	18.37
			1@1	DFT_QAM256	18.74	18.21	18.51
			1@49	DFT_QAM256	18.52	18.20	18.87
			50@0	DFT_QAM256	18.52	18.49	18.54
			25@12	CP_QPSK	21.47	21.47	21.31
			1@1	CP_QPSK	21.41	21.26	21.38
			1@49	CP_QPSK	21.32	21.18	21.64
			51@0	CP_QPSK	19.99	20.02	19.97
			25@12	CP_QAM16	20.98	21.03	20.83
			1@1	CP_QAM16	21.30	20.58	20.78
			1@49	CP_QAM16	20.77	20.56	21.39
			51@0	CP_QAM16	19.96	19.89	19.97
			25@12	CP_QAM64	19.48	19.56	19.40
			1@1	CP_QAM64	19.73	19.62	19.82
			1@49	CP_QAM64	19.71	19.68	20.16
			51@0	CP_QAM64	19.48	19.42	19.47
			25@12	CP_QAM256	16.52	16.47	16.37
			1@1	CP_QAM256	16.55	16.34	16.29
			1@49	CP_QAM256	16.25	16.22	16.65
			51@0	CP_QAM256	16.53	16.45	16.54

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					509202	518598	528000
					2546.01MHz	2592.99MHz	2640MHz
n41	30	100	135@67	DFT_BPSK	22.98	23.03	22.82
			1@1	DFT_BPSK	23.03	22.80	22.84
			1@271	DFT_BPSK	22.85	22.72	23.21
			270@0	DFT_BPSK	22.46	22.42	22.45
			135@67	DFT_QPSK	23.10	23.05	22.84
			1@1	DFT_QPSK	23.05	22.71	22.71
			1@271	DFT_QPSK	22.75	22.63	23.12
			270@0	DFT_QPSK	22.02	21.96	21.99
			135@67	DFT_QAM16	22.05	22.04	21.90
			1@1	DFT_QAM16	22.20	21.87	21.95
			1@271	DFT_QAM16	21.92	22.18	22.30
			270@0	DFT_QAM16	20.99	20.94	20.93
			135@67	DFT_QAM64	20.59	20.59	20.46
			1@1	DFT_QAM64	20.65	20.27	20.18
			1@271	DFT_QAM64	20.29	20.19	20.69
			270@0	DFT_QAM64	20.51	20.45	20.46
			137@68	DFT_QAM256	18.57	18.57	18.37
			1@1	DFT_QAM256	18.74	18.21	18.51
			1@271	DFT_QAM256	18.52	18.20	18.87
			274@0	DFT_QAM256	18.52	18.49	18.54
			137@68	CP_QPSK	21.47	21.47	21.31
			1@1	CP_QPSK	21.41	21.26	21.38
			1@271	CP_QPSK	21.32	21.18	21.64
			274@0	CP_QPSK	19.99	20.02	19.97
			137@68	CP_QAM16	20.98	21.03	20.83
			1@1	CP_QAM16	21.30	20.58	20.78
			1@271	CP_QAM16	20.77	20.56	21.39
			274@0	CP_QAM16	19.96	19.89	19.97
			137@68	CP_QAM64	19.48	19.56	19.40
			1@1	CP_QAM64	19.73	19.62	19.82
			1@271	CP_QAM64	19.71	19.68	20.16
			274@0	CP_QAM64	19.48	19.42	19.47
			137@68	CP_QAM256	16.52	16.47	16.37
			1@1	CP_QAM256	16.55	16.34	16.29
			1@271	CP_QAM256	16.25	16.22	16.65
			274@0	CP_QAM256	16.53	16.45	16.54

NR n66 part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					343000	349000	355000
					1715MHz	1745MHz	1775MHz
n66	30	10	12@6	DFT_BPSK	22.65	22.67	22.44
			1@1	DFT_BPSK	22.70	22.68	22.55
			1@22	DFT_BPSK	22.70	22.83	22.46
			24@0	DFT_BPSK	22.17	22.19	21.90
			12@6	DFT_QPSK	22.65	22.59	22.58
			1@1	DFT_QPSK	22.59	22.59	22.36
			1@22	DFT_QPSK	22.61	22.65	22.35
			24@0	DFT_QPSK	21.67	21.68	21.32
			12@6	DFT_QAM16	21.75	21.54	21.27
			1@1	DFT_QAM16	21.70	22.10	21.84
			1@22	DFT_QAM16	22.13	22.19	21.83
			24@0	DFT_QAM16	20.77	20.88	20.46
			12@6	DFT_QAM64	20.41	20.29	20.10
			1@1	DFT_QAM64	20.09	20.16	19.81
			1@22	DFT_QAM64	20.23	20.15	19.93
			24@0	DFT_QAM64	20.20	20.29	19.96
			12@6	DFT_QAM256	18.16	18.15	17.87
			1@1	DFT_QAM256	18.36	18.05	17.76
			1@22	DFT_QAM256	18.27	18.36	18.16
			24@0	DFT_QAM256	18.29	18.21	17.99
			12@6	CP_QPSK	21.10	21.16	20.69
			1@1	CP_QPSK	21.08	21.29	21.06
			1@22	CP_QPSK	21.11	21.08	21.04
			24@0	CP_QPSK	19.76	19.71	19.39
			12@6	CP_QAM16	20.56	20.48	20.39
			1@1	CP_QAM16	20.72	21.10	20.81
			1@22	CP_QAM16	20.71	20.65	20.29
			24@0	CP_QAM16	19.63	19.63	19.32
			12@6	CP_QAM64	19.24	19.22	18.99
			1@1	CP_QAM64	19.47	19.77	19.45
			1@22	CP_QAM64	19.43	19.72	19.44
			24@0	CP_QAM64	19.19	19.20	19.16
			12@6	CP_QAM256	16.32	16.54	16.09
			1@1	CP_QAM256	16.47	16.49	16.18
			1@22	CP_QAM256	16.44	16.45	16.23
			24@0	CP_QAM256	16.25	16.21	16.02

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					343500	349000	354500
					1717.5MHz	1745MHz	1772.5MHz
n66	30	15	18@9	DFT_BPSK	22.59	22.52	22.37
			1@1	DFT_BPSK	22.69	22.78	22.45
			1@36	DFT_BPSK	22.62	22.80	22.48
			36@0	DFT_BPSK	22.17	22.14	21.86
			18@9	DFT_QPSK	22.58	22.66	22.26
			1@1	DFT_QPSK	22.53	22.61	22.47
			1@36	DFT_QPSK	22.47	22.53	22.30
			36@0	DFT_QPSK	21.66	21.68	21.44
			18@9	DFT_QAM16	21.73	21.62	21.44
			1@1	DFT_QAM16	22.18	21.86	21.81
			1@36	DFT_QAM16	21.90	21.71	21.62
			36@0	DFT_QAM16	20.84	20.76	20.63
			18@9	DFT_QAM64	20.35	20.40	20.03
			1@1	DFT_QAM64	20.19	19.97	20.19
			1@36	DFT_QAM64	20.08	20.45	20.24
			36@0	DFT_QAM64	20.29	20.19	20.00
			18@9	DFT_QAM256	18.22	18.23	18.00
			1@1	DFT_QAM256	18.15	18.28	17.82
			1@36	DFT_QAM256	18.05	18.15	17.90
			36@0	DFT_QAM256	18.15	18.18	17.87
			19@9	CP_QPSK	21.25	21.21	20.96
			1@1	CP_QPSK	21.03	21.38	21.25
			1@36	CP_QPSK	21.15	21.20	21.05
			38@0	CP_QPSK	19.73	19.79	19.37
			19@9	CP_QAM16	20.75	20.64	20.36
			1@1	CP_QAM16	21.13	21.26	20.54
			1@36	CP_QAM16	21.04	20.65	20.33
			38@0	CP_QAM16	19.76	19.78	19.49
			19@9	CP_QAM64	19.40	19.46	19.17
			1@1	CP_QAM64	19.70	19.69	19.38
			1@36	CP_QAM64	19.39	19.62	19.51
			38@0	CP_QAM64	19.32	19.25	19.07
			19@9	CP_QAM256	16.27	16.30	16.04
			1@1	CP_QAM256	16.36	16.25	15.95
			1@36	CP_QAM256	16.25	16.23	16.08
			38@0	CP_QAM256	16.23	16.26	16.01

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					344000	349000	354000
					1720MHz	1745MHz	1770MHz
n66	30	20	25@12	DFT_BPSK	22.74	22.63	22.35
			1@1	DFT_BPSK	22.60	22.65	22.59
			1@49	DFT_BPSK	22.64	22.62	22.45
			50@0	DFT_BPSK	22.12	22.15	21.90
			25@12	DFT_QPSK	22.74	22.61	22.55
			1@1	DFT_QPSK	22.49	22.60	22.45
			1@49	DFT_QPSK	22.46	22.50	22.31
			50@0	DFT_QPSK	21.65	21.62	21.47
			25@12	DFT_QAM16	21.76	21.61	21.53
			1@1	DFT_QAM16	22.04	21.87	21.91
			1@49	DFT_QAM16	21.88	22.05	21.73
			50@0	DFT_QAM16	20.61	20.67	20.41
			25@12	DFT_QAM64	20.17	20.24	19.98
			1@1	DFT_QAM64	20.28	19.92	19.82
			1@49	DFT_QAM64	19.93	20.04	19.72
			50@0	DFT_QAM64	20.11	20.17	19.90
			25@12	DFT_QAM256	18.14	18.16	17.99
			1@1	DFT_QAM256	18.15	18.00	18.09
			1@49	DFT_QAM256	18.04	18.27	17.87
			50@0	DFT_QAM256	18.14	18.17	18.00
			25@12	CP_QPSK	21.25	21.51	21.04
			1@1	CP_QPSK	21.17	21.15	21.15
			1@49	CP_QPSK	21.13	21.27	20.93
			51@0	CP_QPSK	19.68	19.66	19.50
			25@12	CP_QAM16	20.77	20.70	20.42
			1@1	CP_QAM16	20.74	20.68	20.40
			1@49	CP_QAM16	20.65	21.16	20.16
			51@0	CP_QAM16	19.70	19.82	19.46
			25@12	CP_QAM64	19.37	19.40	19.16
			1@1	CP_QAM64	19.20	19.50	19.33
			1@49	CP_QAM64	19.23	19.75	19.89
			51@0	CP_QAM64	19.18	19.20	19.04
			25@12	CP_QAM256	16.32	16.41	16.09
			1@1	CP_QAM256	16.24	16.27	16.05
			1@49	CP_QAM256	16.26	16.30	16.12
			51@0	CP_QAM256	16.16	16.10	16.00

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					346000	349000	352000
					1730MHz	1745MHz	1760MHz
n66	30	40	50@25	DFT_BPSK	22.55	22.61	22.55
			1@1	DFT_BPSK	22.54	22.55	22.70
			1@104	DFT_BPSK	22.71	22.50	22.50
			100@0	DFT_BPSK	22.07	22.01	22.00
			50@25	DFT_QPSK	22.52	22.67	22.50
			1@1	DFT_QPSK	22.54	22.37	22.48
			1@104	DFT_QPSK	22.55	22.48	22.41
			100@0	DFT_QPSK	21.51	21.60	21.49
			50@25	DFT_QAM16	21.60	21.63	21.61
			1@1	DFT_QAM16	21.59	21.52	21.54
			1@104	DFT_QAM16	21.73	21.41	21.23
			100@0	DFT_QAM16	20.73	20.58	20.59
			50@25	DFT_QAM64	20.09	20.10	20.08
			1@1	DFT_QAM64	20.20	20.05	20.06
			1@104	DFT_QAM64	20.06	19.98	19.75
			100@0	DFT_QAM64	20.18	20.15	20.04
			50@25	DFT_QAM256	18.16	18.13	18.11
			1@1	DFT_QAM256	18.29	18.23	18.25
			1@104	DFT_QAM256	18.14	18.14	18.07
			100@0	DFT_QAM256	18.19	18.11	18.04
			53@26	CP_QPSK	21.13	21.18	21.12
			1@1	CP_QPSK	20.97	21.02	21.09
			1@104	CP_QPSK	21.20	20.99	20.82
			106@0	CP_QPSK	19.64	19.61	19.56
			53@26	CP_QAM16	20.61	20.73	20.61
			1@1	CP_QAM16	20.78	21.18	21.12
			1@104	CP_QAM16	21.04	21.08	21.03
			106@0	CP_QAM16	19.62	19.60	19.55
			53@26	CP_QAM64	19.19	19.18	19.12
			1@1	CP_QAM64	19.49	19.84	19.41
			1@104	CP_QAM64	19.57	19.80	19.26
			106@0	CP_QAM64	19.15	19.09	19.03
			53@26	CP_QAM256	16.14	16.14	16.07
			1@1	CP_QAM256	16.09	15.85	15.93
			1@104	CP_QAM256	16.19	15.92	15.87
			106@0	CP_QAM256	16.17	16.09	16.03

NR n71 part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					133600	136100	138600
					668MHz	680.5MHz	693MHz
n71	30	10	12@6	DFT_BPSK	23.75	23.87	23.72
			1@1	DFT_BPSK	23.67	23.80	23.80
			1@22	DFT_BPSK	23.78	23.79	23.80
			24@0	DFT_BPSK	23.23	23.32	23.21
			12@6	DFT_QPSK	23.74	23.76	23.76
			1@1	DFT_QPSK	23.57	23.71	23.72
			1@22	DFT_QPSK	23.68	23.71	23.70
			24@0	DFT_QPSK	22.67	22.77	22.70
			12@6	DFT_QAM16	22.77	22.75	22.69
			1@1	DFT_QAM16	22.69	22.80	22.80
			1@22	DFT_QAM16	22.77	23.15	22.71
			24@0	DFT_QAM16	21.75	21.77	21.80
			12@6	DFT_QAM64	21.44	21.35	21.28
			1@1	DFT_QAM64	21.22	21.08	21.23
			1@22	DFT_QAM64	21.05	21.16	21.26
			24@0	DFT_QAM64	21.18	21.28	21.38
			12@6	DFT_QAM256	19.19	19.34	19.24
			1@1	DFT_QAM256	19.05	19.15	19.16
			1@22	DFT_QAM256	19.09	19.32	19.13
			24@0	DFT_QAM256	19.25	19.37	19.29
			12@6	CP_QPSK	22.20	22.28	22.26
			1@1	CP_QPSK	22.16	22.25	22.24
			1@22	CP_QPSK	22.20	22.19	22.22
			24@0	CP_QPSK	20.64	20.66	20.69
			12@6	CP_QAM16	21.65	21.75	21.63
			1@1	CP_QAM16	22.18	21.69	21.66
			1@22	CP_QAM16	21.61	21.67	21.64
			24@0	CP_QAM16	20.64	20.75	20.78
			12@6	CP_QAM64	20.35	20.31	20.37
			1@1	CP_QAM64	20.26	20.46	20.90
			1@22	CP_QAM64	20.42	20.45	20.53
			24@0	CP_QAM64	20.29	20.32	20.35
			12@6	CP_QAM256	17.47	17.34	17.39
			1@1	CP_QAM256	17.29	17.31	17.31
			1@22	CP_QAM256	17.28	17.27	17.44
			24@0	CP_QAM256	17.33	17.25	17.30

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					134100	136100	138100
					670.5MHz	680.5MHz	690.5MHz
n71	30	15	18@9	DFT_BPSK	23.65	23.72	23.70
			1@1	DFT_BPSK	23.60	23.69	23.73
			1@36	DFT_BPSK	23.73	23.68	23.65
			36@0	DFT_BPSK	23.15	23.30	23.30
			18@9	DFT_QPSK	23.69	23.73	23.71
			1@1	DFT_QPSK	23.50	23.63	23.65
			1@36	DFT_QPSK	23.60	23.59	23.55
			36@0	DFT_QPSK	22.69	22.77	22.75
			18@9	DFT_QAM16	22.86	22.93	22.85
			1@1	DFT_QAM16	22.71	22.77	22.75
			1@36	DFT_QAM16	23.08	22.75	22.64
			36@0	DFT_QAM16	21.82	21.72	21.83
			18@9	DFT_QAM64	21.47	21.40	21.37
			1@1	DFT_QAM64	20.98	21.45	21.11
			1@36	DFT_QAM64	20.94	21.03	21.10
			36@0	DFT_QAM64	21.27	21.34	21.40
			18@9	DFT_QAM256	19.20	19.27	19.26
			1@1	DFT_QAM256	19.09	19.26	19.19
			1@36	DFT_QAM256	19.10	19.21	19.11
			36@0	DFT_QAM256	19.12	19.27	19.27
			19@9	CP_QPSK	22.27	22.24	22.19
			1@1	CP_QPSK	22.03	22.14	22.23
			1@36	CP_QPSK	22.16	22.13	22.09
			38@0	CP_QPSK	20.67	20.74	20.78
			19@9	CP_QAM16	21.72	21.77	21.84
			1@1	CP_QAM16	21.55	22.05	22.15
			1@36	CP_QAM16	22.06	22.04	21.78
			38@0	CP_QAM16	20.81	20.80	20.87
			19@9	CP_QAM64	20.40	20.51	20.49
			1@1	CP_QAM64	20.22	20.52	20.76
			1@36	CP_QAM64	20.40	20.29	20.64
			38@0	CP_QAM64	20.28	20.43	20.40
			19@9	CP_QAM256	17.32	17.33	17.38
			1@1	CP_QAM256	17.08	17.21	17.31
			1@36	CP_QAM256	17.22	17.23	17.38
			38@0	CP_QAM256	17.24	17.24	17.28

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					134600	136100	137600
					673MHz	680.5MHz	688MHz
n71	30	20	25@12	DFT_BPSK	23.79	23.82	23.81
			1@1	DFT_BPSK	23.63	23.69	23.80
			1@49	DFT_BPSK	23.62	23.72	23.65
			50@0	DFT_BPSK	23.23	23.25	23.27
			25@12	DFT_QPSK	23.79	23.77	23.80
			1@1	DFT_QPSK	23.51	23.60	23.68
			1@49	DFT_QPSK	23.56	23.59	23.58
			50@0	DFT_QPSK	22.71	22.72	22.70
			25@12	DFT_QAM16	22.81	22.79	22.91
			1@1	DFT_QAM16	22.96	22.96	22.77
			1@49	DFT_QAM16	22.71	22.95	22.68
			50@0	DFT_QAM16	21.77	21.75	21.77
			25@12	DFT_QAM64	21.29	21.34	21.36
			1@1	DFT_QAM64	21.18	21.21	21.63
			1@49	DFT_QAM64	21.02	21.15	21.04
			50@0	DFT_QAM64	21.24	21.27	21.27
			25@12	DFT_QAM256	19.27	19.29	19.34
			1@1	DFT_QAM256	19.19	19.05	19.42
			1@49	DFT_QAM256	19.08	19.24	19.06
			50@0	DFT_QAM256	19.23	19.20	19.30
			25@12	CP_QPSK	22.37	22.41	22.44
			1@1	CP_QPSK	22.07	22.18	22.32
			1@49	CP_QPSK	22.13	22.16	22.20
			51@0	CP_QPSK	20.71	20.70	20.84
			25@12	CP_QAM16	21.85	21.88	21.90
			1@1	CP_QAM16	21.66	22.22	22.13
			1@49	CP_QAM16	22.12	22.14	21.40
			51@0	CP_QAM16	20.70	20.76	20.80
			25@12	CP_QAM64	20.47	20.50	20.44
			1@1	CP_QAM64	20.73	21.03	20.72
			1@49	CP_QAM64	20.45	20.74	20.50
			51@0	CP_QAM64	20.21	20.22	20.33
			25@12	CP_QAM256	17.31	17.33	17.34
			1@1	CP_QAM256	17.04	17.17	17.26
			1@49	CP_QAM256	17.22	17.16	17.18
			51@0	CP_QAM256	17.20	17.17	17.27

NR n77(3450-3550MHz) part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					630334	633334	636332
					3455.01MHz	3500.01MHz	3544.98MHz
n77 3450-3550 MHz	30	10	12@6	DFT_BPSK	27.78	27.49	27.25
			1@1	DFT_BPSK	27.57	27.56	27.17
			1@22	DFT_BPSK	27.58	27.38	27.21
			24@0	DFT_BPSK	26.67	27.01	26.70
			12@6	DFT_QPSK	27.70	27.51	27.22
			1@1	DFT_QPSK	27.54	27.46	27.09
			1@22	DFT_QPSK	27.54	27.34	27.13
			24@0	DFT_QPSK	26.69	26.48	26.18
			12@6	DFT_QAM16	26.75	26.47	26.16
			1@1	DFT_QAM16	26.71	26.85	26.21
			1@22	DFT_QAM16	27.11	26.40	26.16
			24@0	DFT_QAM16	25.73	25.61	25.21
			12@6	DFT_QAM64	25.35	25.14	24.85
			1@1	DFT_QAM64	25.62	24.98	24.66
			1@22	DFT_QAM64	25.47	24.86	24.60
			24@0	DFT_QAM64	25.39	25.05	24.86
			12@6	DFT_QAM256	23.15	22.93	22.83
			1@1	DFT_QAM256	23.37	23.31	22.89
			1@22	DFT_QAM256	23.23	22.87	22.89
			24@0	DFT_QAM256	23.35	23.08	22.88
			12@6	CP_QPSK	26.15	25.86	25.61
			1@1	CP_QPSK	26.18	25.96	25.73
			1@22	CP_QPSK	26.17	25.94	25.63
			24@0	CP_QPSK	24.74	24.40	24.18
			12@6	CP_QAM16	25.70	25.48	25.17
			1@1	CP_QAM16	26.22	26.08	25.40
			1@22	CP_QAM16	26.22	25.89	25.35
			24@0	CP_QAM16	24.69	24.53	24.23
			12@6	CP_QAM64	24.28	24.05	23.81
			1@1	CP_QAM64	25.17	24.84	24.63
			1@22	CP_QAM64	24.94	24.87	24.40
			24@0	CP_QAM64	24.40	24.13	23.76
			12@6	CP_QAM256	21.35	21.19	20.78
			1@1	CP_QAM256	21.43	21.56	20.94
			1@22	CP_QAM256	21.51	21.31	20.99
			24@0	CP_QAM256	21.28	21.25	20.85

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					630500	633334	636166
					3457.5MHz	3500.01MHz	3542.49MHz
n77 3450-3550 MHz	30	15	18@9	DFT_BPSK	27.80	27.50	27.16
			1@1	DFT_BPSK	27.62	27.63	27.21
			1@36	DFT_BPSK	27.67	27.40	27.24
			36@0	DFT_BPSK	27.30	27.03	26.71
			18@9	DFT_QPSK	27.76	27.43	27.17
			1@1	DFT_QPSK	27.57	27.59	27.23
			1@36	DFT_QPSK	27.62	27.32	27.20
			36@0	DFT_QPSK	26.74	26.50	26.26
			18@9	DFT_QAM16	26.88	26.63	26.41
			1@1	DFT_QAM16	26.90	26.71	26.36
			1@36	DFT_QAM16	26.91	26.43	26.27
			36@0	DFT_QAM16	25.91	25.71	25.33
			18@9	DFT_QAM64	25.48	25.01	24.94
			1@1	DFT_QAM64	25.12	25.36	24.66
			1@36	DFT_QAM64	25.08	25.10	24.60
			36@0	DFT_QAM64	25.38	25.11	24.93
			18@9	DFT_QAM256	23.31	23.12	22.91
			1@1	DFT_QAM256	23.37	23.32	22.83
			1@36	DFT_QAM256	23.22	23.04	22.90
			36@0	DFT_QAM256	23.31	23.07	22.82
			19@9	CP_QPSK	26.39	26.06	25.98
			1@1	CP_QPSK	26.13	26.18	25.82
			1@36	CP_QPSK	26.23	25.85	25.67
			38@0	CP_QPSK	24.86	24.48	24.29
			19@9	CP_QAM16	25.93	25.52	25.21
			1@1	CP_QAM16	26.21	26.17	25.58
			1@36	CP_QAM16	26.23	25.85	25.72
			38@0	CP_QAM16	24.85	24.54	24.33
			19@9	CP_QAM64	24.58	24.25	23.99
			1@1	CP_QAM64	24.38	25.12	23.93
			1@36	CP_QAM64	24.73	24.03	24.64
			38@0	CP_QAM64	24.52	24.18	23.88
			19@9	CP_QAM256	21.40	21.27	20.89
			1@1	CP_QAM256	21.34	21.21	20.62
			1@36	CP_QAM256	21.42	21.09	20.94
			38@0	CP_QAM256	21.24	21.16	20.87

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					630668	633334	636000
					3460.02MHz	3500.01MHz	3540MHz
n77 3450-3550 MHz	30	20	25@12	DFT_BPSK	27.81	27.62	27.35
			1@1	DFT_BPSK	27.64	27.60	27.26
			1@49	DFT_BPSK	27.63	27.24	27.15
			50@0	DFT_BPSK	27.30	27.04	26.75
			25@12	DFT_QPSK	27.78	27.49	27.33
			1@1	DFT_QPSK	27.62	27.56	27.15
			1@49	DFT_QPSK	27.60	27.15	27.11
			50@0	DFT_QPSK	26.77	26.48	26.25
			25@12	DFT_QAM16	26.87	26.64	26.36
			1@1	DFT_QAM16	26.85	26.81	26.44
			1@49	DFT_QAM16	26.87	26.44	26.25
			50@0	DFT_QAM16	25.86	25.53	25.28
			25@12	DFT_QAM64	25.35	25.10	24.94
			1@1	DFT_QAM64	25.40	25.04	24.69
			1@49	DFT_QAM64	25.08	24.69	24.56
			50@0	DFT_QAM64	25.34	25.03	24.77
			25@12	DFT_QAM256	23.32	23.15	22.87
			1@1	DFT_QAM256	23.16	23.38	22.97
			1@49	DFT_QAM256	23.28	22.99	22.74
			50@0	DFT_QAM256	23.32	23.06	22.80
			25@12	CP_QPSK	26.41	26.04	25.88
			1@1	CP_QPSK	26.23	26.19	25.86
			1@49	CP_QPSK	26.16	25.79	25.64
			51@0	CP_QPSK	24.85	24.61	24.33
			25@12	CP_QAM16	25.97	25.65	25.32
			1@1	CP_QAM16	26.13	25.60	25.25
			1@49	CP_QAM16	25.64	25.70	25.62
			51@0	CP_QAM16	24.91	24.64	24.32
			25@12	CP_QAM64	24.53	24.25	24.15
			1@1	CP_QAM64	25.08	25.11	23.98
			1@49	CP_QAM64	24.38	24.75	23.84
			51@0	CP_QAM64	24.37	24.18	23.90
			25@12	CP_QAM256	21.38	21.28	20.95
			1@1	CP_QAM256	21.24	21.18	20.71
			1@49	CP_QAM256	21.33	21.02	20.59
			51@0	CP_QAM256	21.21	21.09	20.81

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					631000	633334	635666
					3465MHz	3500.01MHz	3534.99MHz
n77 3450-3550 MHz	30	30	36@18	DFT_BPSK	27.73	27.50	27.26
			1@1	DFT_BPSK	27.59	27.67	27.36
			1@76	DFT_BPSK	27.64	27.29	27.21
			72@0	DFT_BPSK	27.19	26.98	26.80
			36@18	DFT_QPSK	27.71	27.43	27.28
			1@1	DFT_QPSK	27.52	27.62	27.38
			1@76	DFT_QPSK	27.53	27.29	27.11
			72@0	DFT_QPSK	26.70	26.49	26.28
			36@18	DFT_QAM16	26.71	26.42	26.30
			1@1	DFT_QAM16	26.74	26.72	26.45
			1@76	DFT_QAM16	26.80	26.37	26.22
			72@0	DFT_QAM16	25.68	25.46	25.28
			36@18	DFT_QAM64	25.34	25.11	24.83
			1@1	DFT_QAM64	25.03	25.02	24.86
			1@76	DFT_QAM64	25.08	24.70	24.67
			72@0	DFT_QAM64	25.18	25.05	24.81
			36@18	DFT_QAM256	23.21	22.92	22.79
			1@1	DFT_QAM256	23.28	23.31	23.04
			1@76	DFT_QAM256	23.43	22.93	22.78
			72@0	DFT_QAM256	23.23	22.98	22.86
			39@19	CP_QPSK	26.22	25.98	25.82
			1@1	CP_QPSK	26.15	26.14	25.91
			1@76	CP_QPSK	26.16	25.70	25.57
			78@0	CP_QPSK	24.68	24.52	24.30
			39@19	CP_QAM16	25.78	25.52	25.37
			1@1	CP_QAM16	25.75	25.74	25.51
			1@76	CP_QAM16	26.21	25.75	25.57
			78@0	CP_QAM16	24.75	24.57	24.35
			39@19	CP_QAM64	24.33	24.08	23.88
			1@1	CP_QAM64	25.03	24.68	24.37
			1@76	CP_QAM64	25.08	24.06	23.90
			78@0	CP_QAM64	24.32	24.05	23.88
			39@19	CP_QAM256	21.39	21.12	20.93
			1@1	CP_QAM256	21.18	21.35	21.02
			1@76	CP_QAM256	21.30	20.91	20.77
			78@0	CP_QAM256	21.34	21.19	20.97

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					631334	633334	635332
					3470.01MHz	3500.01MHz	3529.98MHz
n77 3450-3550 MHz	30	40	50@25	DFT_BPSK	27.68	27.46	27.39
			1@1	DFT_BPSK	27.62	27.64	27.23
			1@104	DFT_BPSK	27.62	27.32	27.13
			100@0	DFT_BPSK	27.17	26.99	26.83
			50@25	DFT_QPSK	27.64	27.50	27.34
			1@1	DFT_QPSK	27.57	27.60	27.18
			1@104	DFT_QPSK	27.59	27.28	27.08
			100@0	DFT_QPSK	26.67	26.54	26.35
			50@25	DFT_QAM16	26.66	26.52	26.40
			1@1	DFT_QAM16	26.64	26.81	26.38
			1@104	DFT_QAM16	26.67	26.52	26.27
			100@0	DFT_QAM16	25.72	25.57	25.36
			50@25	DFT_QAM64	25.25	25.01	24.86
			1@1	DFT_QAM64	25.05	25.18	24.73
			1@104	DFT_QAM64	25.06	24.90	25.07
			100@0	DFT_QAM64	25.24	25.08	24.94
			50@25	DFT_QAM256	23.21	23.08	22.90
			1@1	DFT_QAM256	23.21	23.42	23.03
			1@104	DFT_QAM256	23.22	23.10	22.92
			100@0	DFT_QAM256	23.23	23.19	22.92
			53@26	CP_QPSK	26.20	25.99	25.87
			1@1	CP_QPSK	26.13	26.16	25.75
			1@104	CP_QPSK	26.22	25.86	25.69
			106@0	CP_QPSK	24.67	24.53	24.35
			53@26	CP_QAM16	25.71	25.50	25.37
			1@1	CP_QAM16	26.08	25.66	25.67
			1@104	CP_QAM16	25.96	25.29	25.57
			106@0	CP_QAM16	24.68	24.49	24.35
			53@26	CP_QAM64	24.33	24.16	24.01
			1@1	CP_QAM64	25.01	25.19	24.61
			1@104	CP_QAM64	25.07	24.26	24.51
			106@0	CP_QAM64	24.29	24.00	23.85
			53@26	CP_QAM256	21.34	21.12	20.94
			1@1	CP_QAM256	20.85	21.39	20.83
			1@104	CP_QAM256	21.33	20.95	20.80
			106@0	CP_QAM256	21.33	21.15	21.03

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					631668	633334	635000
					3475.02MHz	3500.01MHz	3525MHz
n77 3450-3550 MHz	30	50	64@32	DFT_BPSK	27.71	27.52	27.45
			1@1	DFT_BPSK	27.62	27.62	27.33
			1@131	DFT_BPSK	27.47	27.40	27.14
			128@0	DFT_BPSK	27.15	26.99	26.86
			64@32	DFT_QPSK	27.73	27.54	27.41
			1@1	DFT_QPSK	27.60	27.61	27.30
			1@131	DFT_QPSK	27.38	27.34	27.08
			128@0	DFT_QPSK	26.75	26.54	26.33
			64@32	DFT_QAM16	26.72	26.50	26.49
			1@1	DFT_QAM16	26.75	27.00	26.53
			1@131	DFT_QAM16	26.53	26.71	26.47
			128@0	DFT_QAM16	25.72	25.56	25.43
			64@32	DFT_QAM64	25.27	25.10	24.94
			1@1	DFT_QAM64	25.58	25.10	24.84
			1@131	DFT_QAM64	25.31	24.86	24.62
			128@0	DFT_QAM64	25.28	25.10	24.88
			64@32	DFT_QAM256	23.30	23.15	22.98
			1@1	DFT_QAM256	23.27	23.53	23.09
			1@131	DFT_QAM256	23.13	23.11	22.92
			128@0	DFT_QAM256	23.26	23.01	23.02
			67@33	CP_QPSK	26.23	25.98	25.91
			1@1	CP_QPSK	26.10	26.15	25.91
			1@131	CP_QPSK	25.89	25.90	25.68
			134@0	CP_QPSK	24.72	24.57	24.45
			67@33	CP_QAM16	25.77	25.49	25.44
			1@1	CP_QAM16	26.03	26.12	25.90
			1@131	CP_QAM16	25.79	25.52	25.36
			134@0	CP_QAM16	24.73	24.43	24.41
			67@33	CP_QAM64	24.40	23.98	24.04
			1@1	CP_QAM64	25.13	24.80	24.72
			1@131	CP_QAM64	24.82	24.47	24.64
			134@0	CP_QAM64	24.23	23.97	23.95
			67@33	CP_QAM256	21.38	21.19	21.03
			1@1	CP_QAM256	21.16	21.28	20.93
			1@131	CP_QAM256	21.00	20.99	20.73
			134@0	CP_QAM256	21.32	21.18	21.08

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					632000	633334	634666
					3480MHz	3500.01MHz	3519.99MHz
n77 3450-3550 MHz	30	60	81@40	DFT_BPSK	27.68	27.53	27.40
			1@1	DFT_BPSK	27.48	27.61	27.47
			1@160	DFT_BPSK	27.16	27.33	27.12
			162@0	DFT_BPSK	27.13	27.01	26.85
			81@40	DFT_QPSK	27.70	27.53	27.38
			1@1	DFT_QPSK	27.48	27.59	27.49
			1@160	DFT_QPSK	27.11	27.25	27.11
			162@0	DFT_QPSK	26.64	26.49	26.37
			81@40	DFT_QAM16	26.69	26.49	26.42
			1@1	DFT_QAM16	26.70	26.63	26.58
			1@160	DFT_QAM16	26.29	26.30	26.14
			162@0	DFT_QAM16	25.61	25.56	25.36
			81@40	DFT_QAM64	25.28	25.09	24.98
			1@1	DFT_QAM64	24.91	25.01	25.03
			1@160	DFT_QAM64	24.56	24.76	24.51
			162@0	DFT_QAM64	25.13	25.05	24.90
			81@40	DFT_QAM256	23.34	23.00	23.02
			1@1	DFT_QAM256	23.30	23.35	23.28
			1@160	DFT_QAM256	22.86	23.00	22.82
			162@0	DFT_QAM256	23.23	23.07	22.93
			81@40	CP_QPSK	26.17	26.02	25.90
			1@1	CP_QPSK	26.06	26.05	25.93
			1@160	CP_QPSK	25.61	25.74	25.48
			163@0	CP_QPSK	24.62	24.56	24.41
			81@40	CP_QAM16	25.79	25.57	25.44
			1@1	CP_QAM16	25.66	25.66	26.00
			1@160	CP_QAM16	25.31	25.40	25.20
			163@0	CP_QAM16	24.62	24.55	24.34
			81@40	CP_QAM64	24.31	24.13	24.04
			1@1	CP_QAM64	24.88	24.30	24.30
			1@160	CP_QAM64	24.08	24.26	23.75
			163@0	CP_QAM64	24.14	24.07	23.90
			81@40	CP_QAM256	21.34	21.16	21.05
			1@1	CP_QAM256	21.07	21.13	21.02
			1@160	CP_QAM256	20.77	20.82	20.73
			163@0	CP_QAM256	21.31	21.26	21.03

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					632334	633334	634332
					3485.01MHz	3500.01MHz	3514.98MHz
n77 3450-3550 MHz	30	70	90@45	DFT_BPSK	28.09	27.09	26.97
			1@1	DFT_BPSK	27.40	27.59	27.61
			1@187	DFT_BPSK	27.67	27.49	27.52
			180@0	DFT_BPSK	27.00	27.10	26.90
			90@45	DFT_QPSK	27.65	27.33	27.40
			1@1	DFT_QPSK	27.59	27.64	27.27
			1@187	DFT_QPSK	27.86	27.12	27.06
			180@0	DFT_QPSK	26.23	26.29	25.77
			90@45	DFT_QAM16	26.76	26.86	26.46
			1@1	DFT_QAM16	26.59	27.05	26.00
			1@187	DFT_QAM16	26.85	26.18	26.59
			180@0	DFT_QAM16	25.67	25.51	25.30
			90@45	DFT_QAM64	25.15	25.11	24.55
			1@1	DFT_QAM64	25.42	25.06	24.44
			1@187	DFT_QAM64	25.32	25.34	24.76
			180@0	DFT_QAM64	25.09	25.08	24.49
			90@45	DFT_QAM256	22.97	22.62	23.28
			1@1	DFT_QAM256	23.34	23.11	22.60
			1@187	DFT_QAM256	23.29	22.96	23.34
			180@0	DFT_QAM256	23.74	23.16	22.52
			95@47	CP_QPSK	25.99	26.20	25.92
			1@1	CP_QPSK	26.34	25.96	26.06
			1@187	CP_QPSK	25.89	25.82	26.12
			189@0	CP_QPSK	24.50	23.91	24.34
			95@47	CP_QAM16	25.81	25.79	25.03
			1@1	CP_QAM16	25.92	25.99	25.47
			1@187	CP_QAM16	25.33	25.58	25.22
			189@0	CP_QAM16	25.55	24.69	24.19
			95@47	CP_QAM64	26.08	24.25	24.11
			1@1	CP_QAM64	25.18	24.86	24.96
			1@187	CP_QAM64	24.82	25.21	24.16
			189@0	CP_QAM64	24.25	24.00	23.73
			95@47	CP_QAM256	21.32	21.57	20.40
			1@1	CP_QAM256	21.36	21.91	20.80
			1@187	CP_QAM256	21.33	21.21	21.11
			189@0	CP_QAM256	21.21	20.86	21.09

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					632668	633334	634000
					3490.02MHz	3500.01MHz	3510MHz
n77 3450-3550 MHz	30	80	108@54	DFT_BPSK	27.22	27.57	27.47
			1@1	DFT_BPSK	27.66	27.69	27.76
			1@215	DFT_BPSK	27.56	27.22	27.15
			216@0	DFT_BPSK	27.13	27.05	26.94
			108@54	DFT_QPSK	28.06	27.55	27.47
			1@1	DFT_QPSK	27.78	27.69	27.67
			1@215	DFT_QPSK	26.80	27.17	27.13
			216@0	DFT_QPSK	26.37	26.61	26.49
			108@54	DFT_QAM16	26.98	26.56	26.52
			1@1	DFT_QAM16	26.84	26.89	26.84
			1@215	DFT_QAM16	26.28	26.32	26.37
			216@0	DFT_QAM16	26.04	25.66	25.50
			108@54	DFT_QAM64	25.35	25.20	25.09
			1@1	DFT_QAM64	23.20	25.56	25.17
			1@215	DFT_QAM64	23.40	24.99	25.10
			216@0	DFT_QAM64	25.09	25.13	25.03
			108@54	DFT_QAM256	23.21	23.07	22.97
			1@1	DFT_QAM256	23.46	23.42	23.43
			1@215	DFT_QAM256	22.90	22.88	22.83
			216@0	DFT_QAM256	23.18	23.09	23.05
			109@54	CP_QPSK	26.08	26.06	25.92
			1@1	CP_QPSK	26.17	26.26	26.24
			1@215	CP_QPSK	25.77	25.65	25.63
			218@0	CP_QPSK	24.61	24.66	24.53
			109@54	CP_QAM16	25.62	25.52	25.51
			1@1	CP_QAM16	25.62	25.68	25.72
			1@215	CP_QAM16	25.22	25.14	25.09
			218@0	CP_QAM16	24.56	24.58	24.47
			109@54	CP_QAM64	24.13	24.11	24.00
			1@1	CP_QAM64	25.12	24.39	24.59
			1@215	CP_QAM64	23.96	23.78	24.49
			218@0	CP_QAM64	24.05	24.09	23.93
			109@54	CP_QAM256	21.33	21.20	21.16
			1@1	CP_QAM256	20.96	21.07	21.25
			1@215	CP_QAM256	20.70	20.48	20.80
			218@0	CP_QAM256	21.28	21.29	21.18

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					633000	633334	633666
					3495MHz	3500.01MHz	3504.99MHz
n77 3450-3550 MHz	30	90	120@60	DFT_BPSK	27.52	27.53	27.48
			1@1	DFT_BPSK	27.65	27.71	27.68
			1@243	DFT_BPSK	27.17	27.15	27.15
			240@0	DFT_BPSK	27.07	27.06	27.00
			120@60	DFT_QPSK	27.58	27.59	27.60
			1@1	DFT_QPSK	27.68	27.68	27.65
			1@243	DFT_QPSK	27.12	27.12	27.14
			240@0	DFT_QPSK	26.63	26.63	26.59
			120@60	DFT_QAM16	26.50	26.62	26.54
			1@1	DFT_QAM16	26.90	26.81	26.83
			1@243	DFT_QAM16	26.26	26.25	26.29
			240@0	DFT_QAM16	25.60	25.60	25.56
			120@60	DFT_QAM64	25.16	25.18	25.12
			1@1	DFT_QAM64	25.19	25.69	25.73
			1@243	DFT_QAM64	24.68	24.70	24.62
			240@0	DFT_QAM64	25.09	25.10	25.09
			120@60	DFT_QAM256	23.20	23.13	23.00
			1@1	DFT_QAM256	23.38	23.39	23.45
			1@243	DFT_QAM256	22.78	22.88	22.90
			240@0	DFT_QAM256	23.21	23.13	23.12
			123@61	CP_QPSK	26.05	26.09	25.97
			1@1	CP_QPSK	26.22	26.21	26.30
			1@243	CP_QPSK	25.68	25.68	25.72
			246@0	CP_QPSK	24.63	24.62	24.54
			123@61	CP_QAM16	25.56	25.55	25.50
			1@1	CP_QAM16	26.09	26.16	25.67
			1@243	CP_QAM16	25.60	25.60	25.12
			246@0	CP_QAM16	24.58	24.54	24.51
			123@61	CP_QAM64	24.09	24.07	23.98
			1@1	CP_QAM64	24.26	24.83	24.82
			1@243	CP_QAM64	23.78	23.80	24.17
			246@0	CP_QAM64	24.10	24.02	24.07
			123@61	CP_QAM256	21.30	21.26	21.22
			1@1	CP_QAM256	21.22	21.33	21.22
			1@243	CP_QAM256	20.71	20.76	20.85
			246@0	CP_QAM256	21.28	21.27	21.20

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
						633334	
						3500.01MHz	
n77 3450-3550 MHz	30	100	135@67	DFT_BPSK		27.50	
			1@1	DFT_BPSK		27.64	
			1@271	DFT_BPSK		27.14	
			270@0	DFT_BPSK		27.02	
			135@67	DFT_QPSK		27.55	
			1@1	DFT_QPSK		27.64	
			1@271	DFT_QPSK		27.12	
			270@0	DFT_QPSK		26.55	
			135@67	DFT_QAM16		26.56	
			1@1	DFT_QAM16		26.82	
			1@271	DFT_QAM16		26.30	
			270@0	DFT_QAM16		25.50	
			135@67	DFT_QAM64		25.11	
			1@1	DFT_QAM64		25.17	
			1@271	DFT_QAM64		25.07	
			270@0	DFT_QAM64		25.05	
			137@68	DFT_QAM256		23.21	
			1@1	DFT_QAM256		23.35	
			1@271	DFT_QAM256		22.86	
			274@0	DFT_QAM256		23.10	
			137@68	CP_QPSK		26.05	
			1@1	CP_QPSK		26.11	
			1@271	CP_QPSK		25.65	
			274@0	CP_QPSK		24.56	
			137@68	CP_QAM16		25.53	
			1@1	CP_QAM16		25.56	
			1@271	CP_QAM16		25.54	
			274@0	CP_QAM16		24.53	
			137@68	CP_QAM64		24.03	
			1@1	CP_QAM64		24.96	
			1@271	CP_QAM64		24.11	
			274@0	CP_QAM64		24.05	

			137@68	CP_QAM256		21.28	
			1@1	CP_QAM256		21.27	
			1@271	CP_QAM256		20.70	
			274@0	CP_QAM256		21.30	

NR n77(3550-3700MHz) part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					637000	641666	646332
					3555.0MHz	3624.99MHz	3694.98MHz
n77 3550-3700 MHz	30	10	12@6	DFT_BPSK	27.26	27.52	27.53
			1@1	DFT_BPSK	27.23	27.54	27.42
			1@22	DFT_BPSK	27.28	27.49	27.46
			24@0	DFT_BPSK	26.79	27.05	27.05
			12@6	DFT_QPSK	27.37	27.61	27.42
			1@1	DFT_QPSK	27.17	27.45	27.44
			1@22	DFT_QPSK	27.30	27.47	27.44
			24@0	DFT_QPSK	26.34	26.53	26.56
			12@6	DFT_QAM16	26.38	26.56	26.50
			1@1	DFT_QAM16	26.20	26.83	26.47
			1@22	DFT_QAM16	26.61	26.77	26.75
			24@0	DFT_QAM16	25.34	25.65	25.55
			12@6	DFT_QAM64	25.20	25.24	25.32
			1@1	DFT_QAM64	24.65	24.98	24.82
			1@22	DFT_QAM64	24.77	24.91	24.93
			24@0	DFT_QAM64	24.99	25.19	25.10
			12@6	DFT_QAM256	22.97	23.02	22.91
			1@1	DFT_QAM256	22.96	22.98	22.87
			1@22	DFT_QAM256	23.02	23.20	23.20
			24@0	DFT_QAM256	22.87	23.11	23.03
			12@6	CP_QPSK	25.84	25.97	26.00
			1@1	CP_QPSK	25.67	25.93	25.85
			1@22	CP_QPSK	25.79	26.05	25.85
			24@0	CP_QPSK	24.26	24.54	24.37
			12@6	CP_QAM16	25.26	25.63	25.48
			1@1	CP_QAM16	25.38	26.00	25.88
			1@22	CP_QAM16	25.53	25.66	25.68
			24@0	CP_QAM16	24.36	24.63	24.52
			12@6	CP_QAM64	23.84	24.08	24.00
			1@1	CP_QAM64	24.62	24.76	24.71
			1@22	CP_QAM64	24.88	24.82	24.85
			24@0	CP_QAM64	23.85	24.15	24.12
			12@6	CP_QAM256	20.88	21.28	21.08
			1@1	CP_QAM256	21.06	21.39	21.04
			1@22	CP_QAM256	21.26	21.33	21.11
			24@0	CP_QAM256	20.94	21.22	21.00

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					637168	641666	646166
					3557.52MHz	3624.99MHz	3692.49MHz
n77 3550-3700 MHz	30	15	18@9	DFT_BPSK	27.28	27.55	27.49
			1@1	DFT_BPSK	27.17	27.57	27.40
			1@36	DFT_BPSK	27.37	27.45	27.55
			36@0	DFT_BPSK	26.86	27.08	27.02
			18@9	DFT_QPSK	27.41	27.55	27.43
			1@1	DFT_QPSK	27.10	27.60	27.34
			1@36	DFT_QPSK	27.33	27.46	27.53
			36@0	DFT_QPSK	26.44	26.57	26.48
			18@9	DFT_QAM16	26.44	26.71	26.58
			1@1	DFT_QAM16	26.44	26.61	26.42
			1@36	DFT_QAM16	26.43	26.54	26.59
			36@0	DFT_QAM16	25.53	25.61	25.53
			18@9	DFT_QAM64	25.00	25.23	25.23
			1@1	DFT_QAM64	24.59	24.94	25.13
			1@36	DFT_QAM64	24.77	25.26	24.89
			36@0	DFT_QAM64	24.97	25.16	25.09
			18@9	DFT_QAM256	22.96	23.18	23.03
			1@1	DFT_QAM256	22.82	23.12	23.09
			1@36	DFT_QAM256	23.03	23.01	23.24
			36@0	DFT_QAM256	22.84	23.08	23.01
			19@9	CP_QPSK	25.93	26.26	26.13
			1@1	CP_QPSK	25.65	26.13	26.03
			1@36	CP_QPSK	25.95	25.97	26.14
			38@0	CP_QPSK	24.40	24.58	24.52
			19@9	CP_QAM16	25.34	25.66	25.53
			1@1	CP_QAM16	25.36	25.79	26.02
			1@36	CP_QAM16	25.55	25.71	26.07
			38@0	CP_QAM16	24.59	24.73	24.55
			19@9	CP_QAM64	24.13	24.28	24.27
			1@1	CP_QAM64	24.69	25.00	24.90
			1@36	CP_QAM64	24.93	24.92	24.17
			38@0	CP_QAM64	24.03	24.15	24.19
			19@9	CP_QAM256	21.03	21.30	21.16
			1@1	CP_QAM256	20.86	21.31	20.71
			1@36	CP_QAM256	21.13	21.19	20.84
			38@0	CP_QAM256	20.96	21.27	21.09

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					637334	641666	646000
					3560.01MHz	3624.99MHz	3690.0MHz
n77 3550-3700 MHz	30	20	25@12	DFT_BPSK	27.50	27.62	27.48
			1@1	DFT_BPSK	27.21	27.54	27.39
			1@49	DFT_BPSK	27.38	27.40	27.48
			50@0	DFT_BPSK	26.90	27.12	27.04
			25@12	DFT_QPSK	27.45	27.64	27.58
			1@1	DFT_QPSK	27.24	27.50	27.35
			1@49	DFT_QPSK	27.40	27.39	27.46
			50@0	DFT_QPSK	26.40	26.56	26.54
			25@12	DFT_QAM16	26.55	26.61	26.58
			1@1	DFT_QAM16	26.21	26.69	26.48
			1@49	DFT_QAM16	26.46	26.48	26.60
			50@0	DFT_QAM16	25.47	25.62	25.59
			25@12	DFT_QAM64	25.07	25.24	25.10
			1@1	DFT_QAM64	24.96	24.99	24.69
			1@49	DFT_QAM64	25.17	25.17	25.26
			50@0	DFT_QAM64	25.12	25.12	25.16
			25@12	DFT_QAM256	23.08	23.17	22.99
			1@1	DFT_QAM256	22.81	23.09	22.90
			1@49	DFT_QAM256	23.09	22.99	23.05
			50@0	DFT_QAM256	22.98	23.03	23.10
			25@12	CP_QPSK	25.89	26.07	25.95
			1@1	CP_QPSK	25.80	26.12	25.95
			1@49	CP_QPSK	25.99	25.97	26.10
			51@0	CP_QPSK	24.55	24.59	24.61
			25@12	CP_QAM16	25.55	25.81	25.62
			1@1	CP_QAM16	25.83	25.50	25.87
			1@49	CP_QAM16	25.93	25.83	25.42
			51@0	CP_QAM16	24.51	24.58	24.59
			25@12	CP_QAM64	24.17	24.41	24.35
			1@1	CP_QAM64	24.70	25.06	24.77
			1@49	CP_QAM64	24.10	24.06	24.22
			51@0	CP_QAM64	24.04	24.15	24.13
			25@12	CP_QAM256	21.17	21.31	21.07
			1@1	CP_QAM256	20.86	21.33	20.98
			1@49	CP_QAM256	20.75	21.18	21.11
			51@0	CP_QAM256	20.92	21.15	20.99

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					637668	641666	645666
					3565.02MHz	3624.99MHz	3684.99MHz
n77 3550-3700 MHz	30	30	36@18	DFT_BPSK	27.47	27.54	27.33
			1@1	DFT_BPSK	27.18	27.60	27.30
			1@76	DFT_BPSK	27.32	27.34	27.54
			72@0	DFT_BPSK	26.94	27.02	26.93
			36@18	DFT_QPSK	27.36	27.53	27.35
			1@1	DFT_QPSK	27.13	27.51	27.31
			1@76	DFT_QPSK	27.31	27.39	27.53
			72@0	DFT_QPSK	26.40	26.51	26.40
			36@18	DFT_QAM16	26.42	26.54	26.34
			1@1	DFT_QAM16	26.31	26.54	26.32
			1@76	DFT_QAM16	26.44	26.40	26.54
			72@0	DFT_QAM16	25.46	25.52	25.42
			36@18	DFT_QAM64	25.05	25.14	25.03
			1@1	DFT_QAM64	24.66	25.02	24.76
			1@76	DFT_QAM64	25.10	24.83	24.91
			72@0	DFT_QAM64	25.02	24.99	24.92
			36@18	DFT_QAM256	22.87	22.99	22.79
			1@1	DFT_QAM256	22.84	23.21	22.91
			1@76	DFT_QAM256	23.09	22.98	23.06
			72@0	DFT_QAM256	23.00	23.14	22.99
			39@19	CP_QPSK	25.92	26.05	25.88
			1@1	CP_QPSK	25.79	26.03	25.80
			1@76	CP_QPSK	25.85	25.82	25.96
			78@0	CP_QPSK	24.55	24.56	24.47
			39@19	CP_QAM16	25.47	25.57	25.43
			1@1	CP_QAM16	25.62	25.97	25.44
			1@76	CP_QAM16	25.80	25.47	25.88
			78@0	CP_QAM16	24.43	24.58	24.46
			39@19	CP_QAM64	24.02	24.17	24.00
			1@1	CP_QAM64	24.66	24.36	24.26
			1@76	CP_QAM64	24.77	24.04	24.52
			78@0	CP_QAM64	23.97	24.12	24.01
			39@19	CP_QAM256	21.08	21.31	21.01
			1@1	CP_QAM256	20.79	21.25	20.88
			1@76	CP_QAM256	20.98	21.07	21.10
			78@0	CP_QAM256	21.11	21.37	21.06

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					638000	641666	645332
					3570.0MHz	3624.99MHz	3679.98MHz
n77 3550-3700 MHz	30	40	50@25	DFT_BPSK	27.43	27.47	27.35
			1@1	DFT_BPSK	27.20	27.61	27.26
			1@104	DFT_BPSK	27.48	27.26	27.49
			100@0	DFT_BPSK	26.92	27.01	26.85
			50@25	DFT_QPSK	27.41	27.56	27.35
			1@1	DFT_QPSK	27.18	27.55	27.24
			1@104	DFT_QPSK	27.45	27.27	27.50
			100@0	DFT_QPSK	26.44	26.54	26.41
			50@25	DFT_QAM16	26.48	26.62	26.41
			1@1	DFT_QAM16	26.21	26.65	26.23
			1@104	DFT_QAM16	26.45	26.31	26.48
			100@0	DFT_QAM16	25.41	25.50	25.42
			50@25	DFT_QAM64	24.97	25.04	24.90
			1@1	DFT_QAM64	24.72	25.37	24.62
			1@104	DFT_QAM64	24.87	24.71	25.28
			100@0	DFT_QAM64	24.97	25.05	24.95
			50@25	DFT_QAM256	22.92	23.01	22.92
			1@1	DFT_QAM256	22.96	23.34	22.91
			1@104	DFT_QAM256	23.14	22.86	23.08
			100@0	DFT_QAM256	22.84	23.10	22.88
			53@26	CP_QPSK	25.94	26.05	25.84
			1@1	CP_QPSK	25.66	26.10	25.76
			1@104	CP_QPSK	25.93	25.83	26.00
			106@0	CP_QPSK	24.51	24.52	24.39
			53@26	CP_QAM16	25.40	25.49	25.37
			1@1	CP_QAM16	25.28	25.84	25.51
			1@104	CP_QAM16	25.95	25.76	25.98
			106@0	CP_QAM16	24.40	24.53	24.40
			53@26	CP_QAM64	23.99	24.18	23.93
			1@1	CP_QAM64	24.00	25.01	23.84
			1@104	CP_QAM64	24.17	24.61	24.85
			106@0	CP_QAM64	23.87	24.11	23.88
			53@26	CP_QAM256	21.09	21.27	20.97
			1@1	CP_QAM256	20.86	21.30	20.54
			1@104	CP_QAM256	21.16	20.93	20.75
			106@0	CP_QAM256	21.00	21.23	21.02

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					638334	641666	641666
					3575.01MHz	3624.99MHz	3624.99MHz
n77 3550-3700 MHz	30	50	64@32	DFT_BPSK	27.46	27.57	27.36
			1@1	DFT_BPSK	27.20	27.56	27.12
			1@131	DFT_BPSK	27.55	27.25	27.55
			128@0	DFT_BPSK	26.90	27.06	26.93
			64@32	DFT_QPSK	27.43	27.53	27.35
			1@1	DFT_QPSK	27.17	27.54	27.12
			1@131	DFT_QPSK	27.54	27.13	27.41
			128@0	DFT_QPSK	26.45	26.54	26.37
			64@32	DFT_QAM16	26.47	26.53	26.32
			1@1	DFT_QAM16	26.21	26.86	26.48
			1@131	DFT_QAM16	26.72	26.43	26.62
			128@0	DFT_QAM16	25.41	25.56	25.46
			64@32	DFT_QAM64	25.03	25.07	24.84
			1@1	DFT_QAM64	25.16	25.01	24.58
			1@131	DFT_QAM64	25.11	24.63	24.89
			128@0	DFT_QAM64	24.91	25.09	24.95
			64@32	DFT_QAM256	23.00	23.12	22.96
			1@1	DFT_QAM256	22.86	23.29	22.74
			1@131	DFT_QAM256	23.31	22.88	23.16
			128@0	DFT_QAM256	22.97	23.06	22.92
			67@33	CP_QPSK	25.91	25.99	25.85
			1@1	CP_QPSK	25.67	26.11	25.72
			1@131	CP_QPSK	26.08	25.73	25.95
			134@0	CP_QPSK	24.39	24.58	24.49
			67@33	CP_QAM16	25.50	25.57	25.43
			1@1	CP_QAM16	25.07	25.65	25.61
			1@131	CP_QAM16	25.95	25.68	25.61
			134@0	CP_QAM16	24.42	24.56	24.42
			67@33	CP_QAM64	23.98	24.13	23.97
			1@1	CP_QAM64	24.21	24.89	24.09
			1@131	CP_QAM64	24.91	24.49	24.91
			134@0	CP_QAM64	23.90	24.01	23.88
			67@33	CP_QAM256	21.07	21.28	20.96
			1@1	CP_QAM256	20.71	21.30	20.71
			1@131	CP_QAM256	21.19	20.83	21.00
			134@0	CP_QAM256	21.03	21.23	20.93

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					638668	641666	644666
					3580.02MHz	3624.99MHz	3669.99MHz
n77 3550-3700 MHz	30	60	81@40	DFT_BPSK	27.44	27.49	27.32
			1@1	DFT_BPSK	27.12	27.50	27.13
			1@160	DFT_BPSK	27.44	27.17	27.42
			162@0	DFT_BPSK	26.96	26.98	26.85
			81@40	DFT_QPSK	27.45	27.48	27.29
			1@1	DFT_QPSK	27.06	27.56	27.03
			1@160	DFT_QPSK	27.37	27.11	27.31
			162@0	DFT_QPSK	26.48	26.50	26.32
			81@40	DFT_QAM16	26.48	26.54	26.33
			1@1	DFT_QAM16	26.42	26.57	26.47
			1@160	DFT_QAM16	26.77	26.18	26.57
			162@0	DFT_QAM16	25.44	25.53	25.33
			81@40	DFT_QAM64	24.99	25.04	24.83
			1@1	DFT_QAM64	24.52	24.94	24.58
			1@160	DFT_QAM64	24.89	24.58	24.76
			162@0	DFT_QAM64	25.02	24.99	24.80
			81@40	DFT_QAM256	23.01	23.06	22.87
			1@1	DFT_QAM256	22.87	23.21	22.78
			1@160	DFT_QAM256	23.09	22.84	23.03
			162@0	DFT_QAM256	22.99	23.06	22.92
			81@40	CP_QPSK	25.95	26.00	25.80
			1@1	CP_QPSK	25.62	25.95	25.63
			1@160	CP_QPSK	26.00	25.56	25.88
			163@0	CP_QPSK	24.50	24.51	24.33
			81@40	CP_QAM16	25.50	25.47	25.29
			1@1	CP_QAM16	25.23	25.53	25.25
			1@160	CP_QAM16	25.92	25.58	25.48
			163@0	CP_QAM16	24.56	24.52	24.33
			81@40	CP_QAM64	24.06	24.08	23.83
			1@1	CP_QAM64	24.07	24.42	24.35
			1@160	CP_QAM64	24.38	23.87	24.62
			163@0	CP_QAM64	23.93	23.97	23.83
			81@40	CP_QAM256	21.10	21.26	20.95
			1@1	CP_QAM256	20.61	21.13	20.72
			1@160	CP_QAM256	21.12	20.74	20.92
			163@0	CP_QAM256	21.10	21.19	20.95

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					639000	641666	644332
					3585MHz	3624.99MHz	3664.98MHz
n77 3550-3700 MHz	30	70	90@45	DFT_BPSK	26.32	26.34	26.10
			1@1	DFT_BPSK	26.03	26.31	26.13
			1@187	DFT_BPSK	26.24	25.94	25.95
			180@0	DFT_BPSK	25.88	25.81	25.64
			90@45	DFT_QPSK	26.37	26.32	26.09
			1@1	DFT_QPSK	26.03	26.22	26.12
			1@187	DFT_QPSK	26.22	25.98	25.96
			180@0	DFT_QPSK	25.34	25.33	25.16
			90@45	DFT_QAM16	25.38	25.33	25.13
			1@1	DFT_QAM16	25.18	25.29	25.17
			1@187	DFT_QAM16	25.37	24.98	24.99
			180@0	DFT_QAM16	24.33	24.28	24.12
			90@45	DFT_QAM64	23.90	23.85	23.65
			1@1	DFT_QAM64	23.63	23.79	23.56
			1@187	DFT_QAM64	24.19	23.43	23.45
			180@0	DFT_QAM64	23.91	23.88	23.64
			90@45	DFT_QAM256	21.99	21.97	21.72
			1@1	DFT_QAM256	21.80	21.99	21.73
			1@187	DFT_QAM256	21.87	21.74	21.71
			180@0	DFT_QAM256	21.96	21.96	21.81
			95@47	CP_QPSK	24.88	24.80	24.54
			1@1	CP_QPSK	24.53	24.70	24.60
			1@187	CP_QPSK	24.71	24.47	24.42
			189@0	CP_QPSK	23.45	23.36	23.24
			95@47	CP_QAM16	24.30	24.30	24.03
			1@1	CP_QAM16	23.97	24.75	24.62
			1@187	CP_QAM16	24.65	24.05	24.40
			189@0	CP_QAM16	23.41	23.29	23.19
			95@47	CP_QAM64	22.90	22.80	22.60
			1@1	CP_QAM64	23.27	23.04	22.71
			1@187	CP_QAM64	23.41	22.67	22.59
			189@0	CP_QAM64	22.90	22.70	22.75
			95@47	CP_QAM256	19.99	19.97	19.76
			1@1	CP_QAM256	19.51	19.82	19.55
			1@187	CP_QAM256	19.73	19.51	19.46
			189@0	CP_QAM256	20.04	19.89	19.77

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					639334	641666	644000
					3590.01MHz	3624.99MHz	3660MHz
n77 3550-3700 MHz	30	80	108@54	DFT_BPSK	27.56	27.55	27.29
			1@1	DFT_BPSK	27.29	27.49	27.49
			1@215	DFT_BPSK	27.44	27.24	27.49
			216@0	DFT_BPSK	27.02	26.97	26.83
			108@54	DFT_QPSK	27.51	27.56	27.31
			1@1	DFT_QPSK	27.25	27.45	27.44
			1@215	DFT_QPSK	27.46	27.23	27.49
			216@0	DFT_QPSK	26.54	26.49	26.35
			108@54	DFT_QAM16	26.63	26.56	26.29
			1@1	DFT_QAM16	26.28	26.60	26.65
			1@215	DFT_QAM16	26.50	26.44	26.61
			216@0	DFT_QAM16	25.51	25.49	25.35
			108@54	DFT_QAM64	25.15	25.07	24.94
			1@1	DFT_QAM64	24.78	25.00	24.97
			1@215	DFT_QAM64	24.91	25.04	25.31
			216@0	DFT_QAM64	25.03	24.99	24.87
			108@54	DFT_QAM256	23.12	23.08	22.85
			1@1	DFT_QAM256	22.96	23.08	23.08
			1@215	DFT_QAM256	23.03	22.83	23.16
			216@0	DFT_QAM256	23.12	23.10	22.93
			109@54	CP_QPSK	26.00	25.94	25.78
			1@1	CP_QPSK	25.76	25.99	25.97
			1@215	CP_QPSK	25.84	25.81	25.90
			218@0	CP_QPSK	24.53	24.54	24.37
			109@54	CP_QAM16	25.53	25.52	25.31
			1@1	CP_QAM16	25.35	25.95	25.36
			1@215	CP_QAM16	25.48	25.22	25.33
			218@0	CP_QAM16	24.54	24.49	24.31
			109@54	CP_QAM64	24.12	24.06	23.83
			1@1	CP_QAM64	24.03	24.85	24.13
			1@215	CP_QAM64	24.31	24.59	24.04
			218@0	CP_QAM64	24.04	23.93	23.89
			109@54	CP_QAM256	21.25	21.23	20.97
			1@1	CP_QAM256	20.88	21.15	20.83
			1@215	CP_QAM256	21.17	20.98	20.75
			218@0	CP_QAM256	21.26	21.24	21.00

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					639668	641666	643666
					3595.02MHz	3624.99MHz	3654.99MHz
n77 3550-3700 MHz	30	90	120@60	DFT_BPSK	27.53	27.49	27.31
			1@1	DFT_BPSK	27.24	27.38	27.49
			1@243	DFT_BPSK	27.34	27.36	27.38
			240@0	DFT_BPSK	27.02	26.97	26.85
			120@60	DFT_QPSK	27.59	27.56	27.33
			1@1	DFT_QPSK	27.21	27.38	27.43
			1@243	DFT_QPSK	27.26	27.24	27.39
			240@0	DFT_QPSK	26.56	26.48	26.36
			120@60	DFT_QAM16	26.60	26.55	26.28
			1@1	DFT_QAM16	26.39	26.43	26.65
			1@243	DFT_QAM16	26.36	26.44	26.53
			240@0	DFT_QAM16	25.51	25.57	25.39
			120@60	DFT_QAM64	25.13	25.03	24.87
			1@1	DFT_QAM64	24.71	24.83	25.33
			1@243	DFT_QAM64	25.16	24.74	24.92
			240@0	DFT_QAM64	25.06	24.99	24.92
			120@60	DFT_QAM256	23.09	23.12	22.80
			1@1	DFT_QAM256	23.11	23.10	23.22
			1@243	DFT_QAM256	23.03	23.04	23.01
			240@0	DFT_QAM256	23.06	23.08	22.92
			123@61	CP_QPSK	26.05	26.02	25.75
			1@1	CP_QPSK	25.74	25.90	25.91
			1@243	CP_QPSK	25.81	25.78	25.93
			246@0	CP_QPSK	24.49	24.45	24.39
			123@61	CP_QAM16	25.53	25.49	25.34
			1@1	CP_QAM16	25.65	25.34	25.92
			1@243	CP_QAM16	25.27	25.73	25.90
			246@0	CP_QAM16	24.54	24.48	24.36
			123@61	CP_QAM64	24.10	24.02	23.77
			1@1	CP_QAM64	24.43	24.32	24.00
			1@243	CP_QAM64	23.87	23.95	24.62
			246@0	CP_QAM64	24.01	23.98	23.85
			123@61	CP_QAM256	21.30	21.23	20.99
			1@1	CP_QAM256	20.54	21.07	20.83
			1@243	CP_QAM256	20.66	20.89	20.71
			246@0	CP_QAM256	21.24	21.19	21.07

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					640000	641666	643332
					3600.0MHz	3624.99MHz	3649.98MHz
n77 3550-3700 MHz	30	100	135@67	DFT_BPSK	27.50	27.46	27.27
			1@1	DFT_BPSK	27.23	27.33	27.55
			1@271	DFT_BPSK	27.18	27.29	27.44
			270@0	DFT_BPSK	27.00	26.94	26.87
			135@67	DFT_QPSK	27.58	27.60	27.33
			1@1	DFT_QPSK	27.19	27.33	27.43
			1@271	DFT_QPSK	27.15	27.25	27.33
			270@0	DFT_QPSK	26.49	26.53	26.40
			135@67	DFT_QAM16	26.59	26.56	26.34
			1@1	DFT_QAM16	26.31	26.42	26.61
			1@271	DFT_QAM16	26.23	26.45	26.47
			270@0	DFT_QAM16	25.52	25.58	25.44
			135@67	DFT_QAM64	25.13	25.11	24.88
			1@1	DFT_QAM64	24.69	25.31	25.15
			1@271	DFT_QAM64	24.59	24.80	25.32
			270@0	DFT_QAM64	25.06	25.03	24.94
			137@68	DFT_QAM256	23.18	23.10	22.87
			1@1	DFT_QAM256	22.80	23.09	23.26
			1@271	DFT_QAM256	22.79	22.95	22.87
			274@0	DFT_QAM256	23.20	23.07	22.91
			137@68	CP_QPSK	26.08	26.07	25.77
			1@1	CP_QPSK	25.73	25.88	26.06
			1@271	CP_QPSK	25.61	25.81	25.87
			274@0	CP_QPSK	24.53	24.50	24.49
			137@68	CP_QAM16	25.64	25.57	25.31
			1@1	CP_QAM16	25.62	25.30	25.35
			1@271	CP_QAM16	25.04	25.70	25.93
			274@0	CP_QAM16	24.43	24.50	24.39
			137@68	CP_QAM64	24.08	24.01	23.90
			1@1	CP_QAM64	23.98	24.74	24.66
			1@271	CP_QAM64	24.57	24.35	24.43
			274@0	CP_QAM64	24.03	23.97	23.87
			137@68	CP_QAM256	21.36	21.29	21.04
			1@1	CP_QAM256	20.86	21.07	21.09
			1@271	CP_QAM256	20.79	20.94	21.05
			274@0	CP_QAM256	21.31	21.21	21.17

NR n77(3700-3980MHz) part:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					647000	656000	665000
					3705.6MHz	3840MHz	3975MHz
n77 3700-3980 MHz	30	10	12@6	DFT_BPSK	27.54	27.43	27.07
			1@1	DFT_BPSK	27.55	27.37	27.05
			1@22	DFT_BPSK	27.61	27.32	27.19
			24@0	DFT_BPSK	27.10	26.91	26.65
			12@6	DFT_QPSK	27.62	27.40	27.18
			1@1	DFT_QPSK	27.45	27.35	26.96
			1@22	DFT_QPSK	27.43	27.30	27.08
			24@0	DFT_QPSK	26.53	26.36	26.07
			12@6	DFT_QAM16	26.55	26.29	26.08
			1@1	DFT_QAM16	26.50	26.63	26.34
			1@22	DFT_QAM16	26.89	26.33	26.47
			24@0	DFT_QAM16	25.65	25.45	25.25
			12@6	DFT_QAM64	25.38	25.08	24.84
			1@1	DFT_QAM64	24.93	24.71	24.49
			1@22	DFT_QAM64	24.94	24.67	24.55
			24@0	DFT_QAM64	25.14	25.16	24.80
			12@6	DFT_QAM256	23.12	22.92	22.61
			1@1	DFT_QAM256	23.24	23.01	22.73
			1@22	DFT_QAM256	23.01	23.04	22.60
			24@0	DFT_QAM256	23.13	22.95	22.77
			12@6	CP_QPSK	26.03	25.72	25.49
			1@1	CP_QPSK	26.04	25.68	25.54
			1@22	CP_QPSK	26.09	25.71	25.55
			24@0	CP_QPSK	24.45	24.23	24.12
			12@6	CP_QAM16	25.43	25.30	25.07
			1@1	CP_QAM16	25.94	25.74	25.14
			1@22	CP_QAM16	25.96	25.65	25.23
			24@0	CP_QAM16	24.62	24.30	24.03
			12@6	CP_QAM64	24.12	23.99	23.66
			1@1	CP_QAM64	24.80	24.47	24.38
			1@22	CP_QAM64	24.72	24.40	24.46
			24@0	CP_QAM64	24.22	23.90	23.68
			12@6	CP_QAM256	21.19	20.87	20.77
			1@1	CP_QAM256	21.14	21.04	20.76
			1@22	CP_QAM256	21.16	20.86	20.77
			24@0	CP_QAM256	21.13	20.88	20.65

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					647168	656000	664832
					3707.52MHz	3840MHz	3972.48MHz
n77 3700-3980 MHz	30	15	18@9	DFT_BPSK	27.56	27.36	27.08
			1@1	DFT_BPSK	27.45	27.36	26.97
			1@36	DFT_BPSK	27.51	27.33	27.17
			36@0	DFT_BPSK	27.08	26.87	26.61
			18@9	DFT_QPSK	27.51	27.30	27.04
			1@1	DFT_QPSK	27.38	27.32	26.95
			1@36	DFT_QPSK	27.44	27.23	27.16
			36@0	DFT_QPSK	26.60	26.44	26.08
			18@9	DFT_QAM16	26.71	26.45	26.20
			1@1	DFT_QAM16	26.49	26.24	25.96
			1@36	DFT_QAM16	26.56	26.28	26.11
			36@0	DFT_QAM16	25.53	25.52	25.14
			18@9	DFT_QAM64	25.30	25.18	24.76
			1@1	DFT_QAM64	24.78	25.09	24.70
			1@36	DFT_QAM64	24.85	24.57	24.89
			36@0	DFT_QAM64	25.22	24.90	24.70
			18@9	DFT_QAM256	22.98	22.99	22.65
			1@1	DFT_QAM256	23.16	22.85	22.62
			1@36	DFT_QAM256	23.15	22.95	22.79
			36@0	DFT_QAM256	22.96	22.79	22.60
			19@9	CP_QPSK	26.09	25.87	25.71
			1@1	CP_QPSK	25.97	25.86	25.49
			1@36	CP_QPSK	25.98	25.87	25.65
			38@0	CP_QPSK	24.57	24.41	24.09
			19@9	CP_QAM16	25.58	25.34	25.16
			1@1	CP_QAM16	25.88	25.50	25.53
			1@36	CP_QAM16	25.95	25.85	25.63
			38@0	CP_QAM16	24.58	24.51	24.12
			19@9	CP_QAM64	24.19	24.08	23.74
			1@1	CP_QAM64	24.39	23.97	23.60
			1@36	CP_QAM64	24.45	24.74	24.51
			38@0	CP_QAM64	24.17	23.94	23.86
			19@9	CP_QAM256	21.17	20.95	20.70
			1@1	CP_QAM256	21.05	20.67	20.25
			1@36	CP_QAM256	21.11	20.58	20.48
			38@0	CP_QAM256	21.09	20.88	20.62

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					647334	656000	664666
					3710.01MHz	3840MHz	3969.99MHz
n77 3700-3980 MHz	30	20	25@12	DFT_BPSK	27.66	27.39	27.07
			1@1	DFT_BPSK	27.46	27.32	26.88
			1@49	DFT_BPSK	27.53	27.29	27.12
			50@0	DFT_BPSK	27.07	26.89	26.55
			25@12	DFT_QPSK	27.57	27.34	27.09
			1@1	DFT_QPSK	27.45	27.23	26.83
			1@49	DFT_QPSK	27.45	27.19	27.10
			50@0	DFT_QPSK	26.55	26.33	26.06
			25@12	DFT_QAM16	26.68	26.44	26.11
			1@1	DFT_QAM16	26.54	26.32	26.01
			1@49	DFT_QAM16	26.54	26.21	26.26
			50@0	DFT_QAM16	25.57	25.39	25.15
			25@12	DFT_QAM64	25.20	24.95	24.71
			1@1	DFT_QAM64	24.82	24.64	24.67
			1@49	DFT_QAM64	25.24	24.98	24.60
			50@0	DFT_QAM64	25.06	24.89	24.60
			25@12	DFT_QAM256	23.21	22.93	22.67
			1@1	DFT_QAM256	22.97	22.99	22.39
			1@49	DFT_QAM256	23.18	22.80	22.67
			50@0	DFT_QAM256	23.09	22.97	22.59
			25@12	CP_QPSK	26.16	25.92	25.56
			1@1	CP_QPSK	25.95	25.85	25.46
			1@49	CP_QPSK	26.09	25.73	25.65
			51@0	CP_QPSK	24.54	24.41	24.06
			25@12	CP_QAM16	25.65	25.43	25.18
			1@1	CP_QAM16	26.07	25.13	24.78
			1@49	CP_QAM16	26.10	24.98	25.05
			51@0	CP_QAM16	24.69	24.44	24.14
			25@12	CP_QAM64	24.31	24.07	23.78
			1@1	CP_QAM64	24.86	24.74	24.38
			1@49	CP_QAM64	24.94	23.92	24.63
			51@0	CP_QAM64	24.15	23.99	23.69
			25@12	CP_QAM256	21.18	21.00	20.65
			1@1	CP_QAM256	20.78	20.91	20.24
			1@49	CP_QAM256	21.14	20.75	20.51
			51@0	CP_QAM256	21.05	20.82	20.58

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					647668	656000	664332
					3715.02MHz	3840MHz	3964.98MHz
n77 3700-3980 MHz	30	30	36@18	DFT_BPSK	27.59	27.32	26.93
			1@1	DFT_BPSK	27.45	27.36	26.89
			1@76	DFT_BPSK	27.61	27.27	27.12
			72@0	DFT_BPSK	27.08	26.84	26.53
			36@18	DFT_QPSK	27.58	27.34	26.94
			1@1	DFT_QPSK	27.42	27.33	26.88
			1@76	DFT_QPSK	27.53	27.15	27.10
			72@0	DFT_QPSK	26.59	26.33	26.02
			36@18	DFT_QAM16	26.53	26.31	25.91
			1@1	DFT_QAM16	26.55	26.26	25.88
			1@76	DFT_QAM16	26.62	26.21	26.17
			72@0	DFT_QAM16	25.59	25.38	25.00
			36@18	DFT_QAM64	25.22	24.93	24.58
			1@1	DFT_QAM64	25.26	24.69	24.35
			1@76	DFT_QAM64	25.03	24.62	24.56
			72@0	DFT_QAM64	25.03	24.88	24.53
			36@18	DFT_QAM256	23.07	22.78	22.49
			1@1	DFT_QAM256	22.99	23.01	22.47
			1@76	DFT_QAM256	23.14	22.79	22.68
			72@0	DFT_QAM256	23.07	22.90	22.56
			39@19	CP_QPSK	26.09	25.82	25.50
			1@1	CP_QPSK	25.98	25.70	25.32
			1@76	CP_QPSK	26.05	25.61	25.54
			78@0	CP_QPSK	24.67	24.37	23.98
			39@19	CP_QAM16	25.63	25.43	24.98
			1@1	CP_QAM16	25.33	25.68	24.95
			1@76	CP_QAM16	25.45	25.20	25.18
			78@0	CP_QAM16	24.62	24.42	23.99
			39@19	CP_QAM64	24.18	23.90	23.56
			1@1	CP_QAM64	24.05	24.18	23.82
			1@76	CP_QAM64	24.15	24.04	24.03
			78@0	CP_QAM64	24.13	23.88	23.60
			39@19	CP_QAM256	21.16	20.97	20.51
			1@1	CP_QAM256	20.76	20.78	20.35
			1@76	CP_QAM256	20.80	20.68	20.65
			78@0	CP_QAM256	21.19	20.94	20.65

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					648000	656000	664000
					3720MHz	3840MHz	3960MHz
n77 3700-3980 MHz	30	40	50@25	DFT_BPSK	27.57	27.36	26.94
			1@1	DFT_BPSK	27.50	27.24	26.86
			1@104	DFT_BPSK	27.66	27.25	27.16
			100@0	DFT_BPSK	27.08	26.89	26.50
			50@25	DFT_QPSK	27.64	27.34	26.92
			1@1	DFT_QPSK	27.47	27.25	26.86
			1@104	DFT_QPSK	27.68	27.15	27.05
			100@0	DFT_QPSK	26.62	26.34	25.99
			50@25	DFT_QAM16	26.60	26.41	26.04
			1@1	DFT_QAM16	26.55	26.20	25.90
			1@104	DFT_QAM16	26.65	26.19	26.20
			100@0	DFT_QAM16	25.60	25.35	25.04
			50@25	DFT_QAM64	25.15	24.87	24.46
			1@1	DFT_QAM64	24.95	24.59	24.31
			1@104	DFT_QAM64	25.09	24.62	24.90
			100@0	DFT_QAM64	25.09	24.90	24.58
			50@25	DFT_QAM256	23.05	22.92	22.48
			1@1	DFT_QAM256	23.09	22.79	22.35
			1@104	DFT_QAM256	23.24	22.94	22.74
			100@0	DFT_QAM256	23.19	22.84	22.50
			53@26	CP_QPSK	26.09	25.87	25.46
			1@1	CP_QPSK	25.88	25.71	25.36
			1@104	CP_QPSK	26.16	25.64	25.71
			106@0	CP_QPSK	24.70	24.42	24.05
			53@26	CP_QAM16	25.57	25.35	24.95
			1@1	CP_QAM16	25.57	25.81	25.34
			1@104	CP_QAM16	25.73	25.72	25.36
			106@0	CP_QAM16	24.69	24.31	24.05
			53@26	CP_QAM64	24.20	23.86	23.50
			1@1	CP_QAM64	24.14	24.68	23.45
			1@104	CP_QAM64	24.67	23.78	23.70
			106@0	CP_QAM64	24.12	23.84	23.48
			53@26	CP_QAM256	21.21	20.94	20.50
			1@1	CP_QAM256	21.02	20.48	20.07
			1@104	CP_QAM256	21.13	20.40	20.62
			106@0	CP_QAM256	21.15	20.88	20.60

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					648334	656000	663666
					3725.01MHz	3840MHz	3954.99MHz
n77 3700-3980 MHz	30	50	64@32	DFT_BPSK	27.67	27.38	27.00
			1@1	DFT_BPSK	27.52	27.14	26.64
			1@131	DFT_BPSK	27.69	27.27	27.13
			128@0	DFT_BPSK	27.15	26.87	26.59
			64@32	DFT_QPSK	27.66	27.38	26.99
			1@1	DFT_QPSK	27.42	27.17	26.66
			1@131	DFT_QPSK	27.70	27.14	27.12
			128@0	DFT_QPSK	26.65	26.37	26.00
			64@32	DFT_QAM16	26.71	26.36	26.10
			1@1	DFT_QAM16	26.55	26.41	25.76
			1@131	DFT_QAM16	26.67	26.46	26.22
			128@0	DFT_QAM16	25.61	25.28	25.02
			64@32	DFT_QAM64	25.26	25.00	24.52
			1@1	DFT_QAM64	24.91	24.55	24.62
			1@131	DFT_QAM64	25.44	24.61	25.02
			128@0	DFT_QAM64	25.16	24.86	24.57
			64@32	DFT_QAM256	23.23	22.96	22.55
			1@1	DFT_QAM256	23.21	22.84	22.40
			1@131	DFT_QAM256	23.34	22.88	22.88
			128@0	DFT_QAM256	23.14	22.84	22.54
			67@33	CP_QPSK	26.15	25.80	25.44
			1@1	CP_QPSK	25.98	25.63	25.22
			1@131	CP_QPSK	26.02	25.69	25.62
			134@0	CP_QPSK	24.67	24.32	24.10
			67@33	CP_QAM16	25.71	25.42	25.12
			1@1	CP_QAM16	25.96	25.24	24.56
			1@131	CP_QAM16	25.81	25.20	25.03
			134@0	CP_QAM16	24.62	24.30	24.01
			67@33	CP_QAM64	24.22	24.00	23.56
			1@1	CP_QAM64	24.86	24.11	23.55
			1@131	CP_QAM64	24.90	24.14	24.07
			134@0	CP_QAM64	24.14	23.78	23.50
			67@33	CP_QAM256	21.27	20.96	20.57
			1@1	CP_QAM256	20.98	20.57	20.14
			1@131	CP_QAM256	21.01	20.64	20.57
			134@0	CP_QAM256	21.15	20.87	20.51

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					648668	656000	663332
					3730.02MHz	3840MHz	3949.98MHz
n77 3700-3980 MHz	30	60	81@40	DFT_BPSK	27.68	27.36	26.98
			1@1	DFT_BPSK	27.46	27.15	26.68
			1@160	DFT_BPSK	27.55	27.17	27.13
			162@0	DFT_BPSK	27.10	26.79	26.48
			81@40	DFT_QPSK	27.64	27.35	26.93
			1@1	DFT_QPSK	27.35	27.16	26.61
			1@160	DFT_QPSK	27.38	27.19	27.10
			162@0	DFT_QPSK	26.62	26.31	26.00
			81@40	DFT_QAM16	26.66	26.39	25.97
			1@1	DFT_QAM16	26.67	26.08	25.72
			1@160	DFT_QAM16	26.75	26.14	26.08
			162@0	DFT_QAM16	25.60	25.26	24.93
			81@40	DFT_QAM64	25.19	24.91	24.52
			1@1	DFT_QAM64	24.76	24.57	24.09
			1@160	DFT_QAM64	24.85	24.71	24.58
			162@0	DFT_QAM64	25.13	24.73	24.43
			81@40	DFT_QAM256	23.25	22.92	22.49
			1@1	DFT_QAM256	22.95	22.79	22.37
			1@160	DFT_QAM256	23.16	22.82	22.69
			162@0	DFT_QAM256	23.18	22.79	22.44
			81@40	CP_QPSK	26.09	25.81	25.40
			1@1	CP_QPSK	25.83	25.49	25.07
			1@160	CP_QPSK	25.94	25.54	25.53
			163@0	CP_QPSK	24.57	24.28	23.98
			81@40	CP_QAM16	25.70	25.36	25.01
			1@1	CP_QAM16	25.79	25.48	25.07
			1@160	CP_QAM16	25.88	25.50	25.47
			163@0	CP_QAM16	24.65	24.32	23.92
			81@40	CP_QAM64	24.15	23.89	23.52
			1@1	CP_QAM64	24.57	23.89	23.47
			1@160	CP_QAM64	24.67	24.01	23.72
			163@0	CP_QAM64	24.08	23.78	23.39
			81@40	CP_QAM256	21.18	20.89	20.56
			1@1	CP_QAM256	20.92	20.54	20.10
			1@160	CP_QAM256	20.86	20.68	20.55
			163@0	CP_QAM256	21.17	20.84	20.51

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					649000	656000	663000
					3735MHz	3840MHz	3945MHz
n77 3700-3980 MHz	30	70	90@45	DFT_BPSK	27.03	26.95	27.75
			1@1	DFT_BPSK	27.57	27.21	27.96
			1@187	DFT_BPSK	26.91	27.04	27.86
			180@0	DFT_BPSK	27.28	26.81	27.59
			90@45	DFT_QPSK	27.60	27.02	27.31
			1@1	DFT_QPSK	26.67	27.12	27.46
			1@187	DFT_QPSK	27.29	27.28	27.11
			180@0	DFT_QPSK	27.05	25.98	27.08
			90@45	DFT_QAM16	27.13	26.11	27.55
			1@1	DFT_QAM16	27.34	26.16	28.06
			1@187	DFT_QAM16	27.81	26.22	26.95
			180@0	DFT_QAM16	27.35	25.42	27.42
			90@45	DFT_QAM64	27.54	24.72	27.02
			1@1	DFT_QAM64	27.41	24.99	27.61
			1@187	DFT_QAM64	27.21	24.84	27.82
			180@0	DFT_QAM64	26.99	24.92	27.57
			90@45	DFT_QAM256	27.70	23.37	27.85
			1@1	DFT_QAM256	27.89	23.34	27.74
			1@187	DFT_QAM256	27.23	22.75	27.10
			180@0	DFT_QAM256	27.24	23.36	27.14
			95@47	CP_QPSK	27.09	25.75	27.57
			1@1	CP_QPSK	27.82	25.74	26.99
			1@187	CP_QPSK	27.85	25.93	27.36
			189@0	CP_QPSK	27.18	24.21	27.74
			95@47	CP_QAM16	27.33	25.17	27.02
			1@1	CP_QAM16	27.17	25.69	27.90
			1@187	CP_QAM16	27.54	24.89	27.06
			189@0	CP_QAM16	27.92	24.39	27.35
			95@47	CP_QAM64	27.61	24.32	27.35
			1@1	CP_QAM64	27.90	24.16	27.03
			1@187	CP_QAM64	27.48	24.37	27.61
			189@0	CP_QAM64	27.70	23.95	27.81
			95@47	CP_QAM256	27.02	21.50	27.02
			1@1	CP_QAM256	27.95	20.33	27.50
			1@187	CP_QAM256	27.72	20.74	27.07
			189@0	CP_QAM256	27.82	20.79	27.14

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					649334	656000	662666
					3740.01MHz	3840MHz	3939.99MHz
n77 3700-3980 MHz	30	80	108@54	DFT_BPSK	27.37	27.42	27.04
			1@1	DFT_BPSK	27.08	27.34	26.96
			1@215	DFT_BPSK	27.05	27.22	27.16
			216@0	DFT_BPSK	26.76	26.83	26.54
			108@54	DFT_QPSK	27.02	27.39	27.04
			1@1	DFT_QPSK	27.34	27.24	26.93
			1@215	DFT_QPSK	27.42	27.25	27.20
			216@0	DFT_QPSK	26.19	26.35	26.07
			108@54	DFT_QAM16	26.75	26.45	26.08
			1@1	DFT_QAM16	26.69	26.65	26.00
			1@215	DFT_QAM16	26.70	26.47	26.26
			216@0	DFT_QAM16	24.96	25.36	25.12
			108@54	DFT_QAM64	25.06	24.94	24.59
			1@1	DFT_QAM64	24.55	24.88	24.79
			1@215	DFT_QAM64	24.94	24.73	25.06
			216@0	DFT_QAM64	25.27	24.93	24.61
			108@54	DFT_QAM256	23.23	23.01	22.56
			1@1	DFT_QAM256	23.02	23.18	22.52
			1@215	DFT_QAM256	22.68	23.01	22.81
			216@0	DFT_QAM256	23.46	23.00	22.63
			109@54	CP_QPSK	25.98	25.89	25.52
			1@1	CP_QPSK	25.87	25.73	25.48
			1@215	CP_QPSK	25.88	25.60	25.63
			218@0	CP_QPSK	24.35	24.35	24.08
			109@54	CP_QAM16	25.72	25.40	25.00
			1@1	CP_QAM16	25.72	25.69	24.87
			1@215	CP_QAM16	25.46	25.29	25.62
			218@0	CP_QAM16	24.31	24.40	24.07
			109@54	CP_QAM64	23.93	23.88	23.56
			1@1	CP_QAM64	24.56	24.17	24.23
			1@215	CP_QAM64	23.92	24.05	23.76
			218@0	CP_QAM64	23.72	23.85	23.53
			109@54	CP_QAM256	20.85	21.01	20.62
			1@1	CP_QAM256	20.35	20.83	20.15
			1@215	CP_QAM256	20.43	20.62	20.46
			218@0	CP_QAM256	21.10	20.94	20.71

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					649668	656000	662332
					3745.02MHz	3840MHz	3934.98MHz
n77 3700-3980 MHz	30	90	120@60	DFT_BPSK	27.68	27.39	27.08
			1@1	DFT_BPSK	27.60	27.37	26.97
			1@243	DFT_BPSK	27.49	27.13	27.27
			240@0	DFT_BPSK	27.18	26.83	26.55
			120@60	DFT_QPSK	27.73	27.41	27.06
			1@1	DFT_QPSK	27.55	27.30	26.83
			1@243	DFT_QPSK	27.37	27.09	27.19
			240@0	DFT_QPSK	26.69	26.40	26.14
			120@60	DFT_QAM16	26.79	26.41	26.09
			1@1	DFT_QAM16	26.74	26.27	26.11
			1@243	DFT_QAM16	26.58	26.02	26.47
			240@0	DFT_QAM16	25.65	25.33	25.08
			120@60	DFT_QAM64	25.27	24.96	24.64
			1@1	DFT_QAM64	25.03	25.16	24.39
			1@243	DFT_QAM64	25.31	24.48	24.74
			240@0	DFT_QAM64	25.20	24.87	24.65
			120@60	DFT_QAM256	23.33	22.95	22.66
			1@1	DFT_QAM256	23.21	23.02	22.47
			1@243	DFT_QAM256	23.16	22.94	23.01
			240@0	DFT_QAM256	23.24	22.92	22.69
			123@61	CP_QPSK	26.21	25.84	25.55
			1@1	CP_QPSK	26.09	25.86	25.49
			1@243	CP_QPSK	25.82	25.60	25.82
			246@0	CP_QPSK	24.63	24.28	24.07
			123@61	CP_QAM16	25.70	25.37	25.04
			1@1	CP_QAM16	26.00	25.72	24.79
			1@243	CP_QAM16	25.88	24.88	25.20
			246@0	CP_QAM16	24.62	24.33	24.03
			123@61	CP_QAM64	24.25	23.89	23.57
			1@1	CP_QAM64	24.12	24.72	24.15
			1@243	CP_QAM64	24.03	23.71	24.60
			246@0	CP_QAM64	24.16	23.76	23.58
			123@61	CP_QAM256	21.28	20.97	20.70
			1@1	CP_QAM256	20.86	20.79	20.34
			1@243	CP_QAM256	20.61	20.56	20.77
			246@0	CP_QAM256	21.27	20.97	20.64

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					650000	656000	662000
					3750MHz	3840MHz	3930MHz
n77 3700-3980 MHz	30	100	135@67	DFT_BPSK	27.68	27.40	27.06
			1@1	DFT_BPSK	27.46	27.22	26.98
			1@271	DFT_BPSK	27.52	27.14	27.23
			270@0	DFT_BPSK	27.10	26.82	26.55
			135@67	DFT_QPSK	27.75	27.40	27.11
			1@1	DFT_QPSK	27.53	27.27	26.96
			1@271	DFT_QPSK	27.34	26.99	27.20
			270@0	DFT_QPSK	26.68	26.36	26.13
			135@67	DFT_QAM16	26.73	26.41	26.10
			1@1	DFT_QAM16	26.59	26.39	26.18
			1@271	DFT_QAM16	26.52	25.93	26.46
			270@0	DFT_QAM16	25.65	25.36	25.08
			135@67	DFT_QAM64	25.29	24.95	24.60
			1@1	DFT_QAM64	25.36	25.21	24.57
			1@271	DFT_QAM64	24.85	25.05	25.19
			270@0	DFT_QAM64	25.13	24.86	24.57
			137@68	DFT_QAM256	23.29	22.96	22.67
			1@1	DFT_QAM256	23.30	23.04	22.68
			1@271	DFT_QAM256	22.88	22.87	23.09
			274@0	DFT_QAM256	23.18	22.96	22.68
			137@68	CP_QPSK	26.15	25.88	25.58
			1@1	CP_QPSK	25.97	25.72	25.53
			1@271	CP_QPSK	25.74	25.46	25.68
			274@0	CP_QPSK	24.65	24.27	24.07
			137@68	CP_QAM16	25.71	25.39	25.05
			1@1	CP_QAM16	25.96	25.68	24.88
			1@271	CP_QAM16	25.17	24.80	25.77
			274@0	CP_QAM16	24.61	24.34	24.05
			137@68	CP_QAM64	24.23	23.90	23.61
			1@1	CP_QAM64	24.13	24.57	24.07
			1@271	CP_QAM64	24.75	23.98	24.69
			274@0	CP_QAM64	24.16	23.79	23.53
			137@68	CP_QAM256	21.27	20.95	20.73
			1@1	CP_QAM256	21.12	20.72	20.44
			1@271	CP_QAM256	20.57	20.52	20.82
			274@0	CP_QAM256	21.26	20.93	20.68

ENDC ANT5 power

NR n7 part ANT 5:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					501000	507000	513000
					2505MHz	2535MHz	2565MHz
n7	30	10	12@6	DFT_BPSK	20.30	19.97	20.07
			1@1	DFT_BPSK	20.20	20.06	20.06
			1@22	DFT_BPSK	20.40	20.02	20.13
			24@0	DFT_BPSK	20.24	19.93	19.96
			12@6	DFT_QPSK	20.32	19.92	20.03
			1@1	DFT_QPSK	20.18	19.84	19.88
			1@22	DFT_QPSK	20.17	19.78	19.96
			24@0	DFT_QPSK	20.22	19.93	19.93
			12@6	DFT_QAM16	20.20	19.98	20.20
			1@1	DFT_QAM16	20.21	20.14	20.00
			1@22	DFT_QAM16	20.23	20.05	20.18
			24@0	DFT_QAM16	20.31	20.01	20.12
			12@6	DFT_QAM64	19.84	19.55	19.61
			1@1	DFT_QAM64	19.63	19.37	19.38
			1@22	DFT_QAM64	19.61	19.45	19.53
			24@0	DFT_QAM64	19.83	19.42	19.57
			12@6	DFT_QAM256	17.67	17.30	17.38
			1@1	DFT_QAM256	17.78	17.30	17.48
			1@22	DFT_QAM256	17.87	17.45	17.34
			24@0	DFT_QAM256	17.72	17.43	17.58
			12@6	CP_QPSK	20.32	19.93	20.06
			1@1	CP_QPSK	20.21	20.21	19.85
			1@22	CP_QPSK	20.18	20.08	20.28
			24@0	CP_QPSK	19.19	18.89	19.07
			12@6	CP_QAM16	20.25	19.86	19.93
			1@1	CP_QAM16	20.53	20.36	19.89
			1@22	CP_QAM16	20.62	20.25	20.34
			24@0	CP_QAM16	19.19	18.93	18.93
			12@6	CP_QAM64	18.72	18.46	18.65
			1@1	CP_QAM64	18.91	19.19	19.18
			1@22	CP_QAM64	19.30	19.03	18.75
			24@0	CP_QAM64	18.78	18.45	18.65
			12@6	CP_QAM256	15.91	15.40	15.45
			1@1	CP_QAM256	15.94	15.70	15.70
			1@22	CP_QAM256	16.00	15.56	15.88
			24@0	CP_QAM256	15.80	15.52	15.52

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					501500	507000	512500
					2507.5MHz	2535MHz	2562.5MHz
n7	30	15	18@9	DFT_BPSK	20.03	19.87	19.91
			1@1	DFT_BPSK	20.21	20.01	19.92
			1@36	DFT_BPSK	20.21	19.96	20.01
			36@0	DFT_BPSK	20.09	19.94	20.00
			18@9	DFT_QPSK	20.07	19.88	19.91
			1@1	DFT_QPSK	20.02	19.91	19.82
			1@36	DFT_QPSK	20.03	19.80	19.91
			36@0	DFT_QPSK	20.13	19.95	19.92
			18@9	DFT_QAM16	20.11	19.97	20.01
			1@1	DFT_QAM16	20.11	20.02	19.90
			1@36	DFT_QAM16	20.08	19.87	20.01
			36@0	DFT_QAM16	20.22	19.85	20.09
			18@9	DFT_QAM64	19.87	19.60	19.67
			1@1	DFT_QAM64	19.55	19.43	19.26
			1@36	DFT_QAM64	19.66	19.29	19.43
			36@0	DFT_QAM64	19.68	19.46	19.54
			18@9	DFT_QAM256	17.62	17.40	17.54
			1@1	DFT_QAM256	17.71	17.56	17.32
			1@36	DFT_QAM256	17.51	17.43	17.55
			36@0	DFT_QAM256	17.54	17.40	17.43
			19@9	CP_QPSK	20.15	19.97	19.99
			1@1	CP_QPSK	20.04	20.02	19.86
			1@36	CP_QPSK	20.06	19.82	19.91
			38@0	CP_QPSK	19.16	18.99	19.03
			19@9	CP_QAM16	20.03	19.92	20.03
			1@1	CP_QAM16	19.86	19.80	19.60
			1@36	CP_QAM16	19.84	20.15	19.78
			38@0	CP_QAM16	19.24	18.96	19.02
			19@9	CP_QAM64	18.80	18.58	18.73
			1@1	CP_QAM64	19.24	18.82	18.51
			1@36	CP_QAM64	19.28	18.41	18.93
			38@0	CP_QAM64	18.67	18.38	18.56
			19@9	CP_QAM256	15.58	15.47	15.58
			1@1	CP_QAM256	15.67	15.56	15.44
			1@36	CP_QAM256	15.72	15.52	15.64
			38@0	CP_QAM256	15.68	15.44	15.55

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					502000	507000	512000
					2510MHz	2535MHz	2560MHz
n7	30	20	25@12	DFT_BPSK	20.20	20.01	20.01
			1@1	DFT_BPSK	20.07	20.00	19.93
			1@49	DFT_BPSK	20.14	19.96	20.08
			50@0	DFT_BPSK	20.16	20.03	19.97
			25@12	DFT_QPSK	20.22	19.95	20.00
			1@1	DFT_QPSK	20.11	19.95	19.89
			1@49	DFT_QPSK	20.08	19.87	19.91
			50@0	DFT_QPSK	20.17	19.94	20.02
			25@12	DFT_QAM16	20.18	19.97	20.09
			1@1	DFT_QAM16	20.31	20.09	19.99
			1@49	DFT_QAM16	20.35	20.01	20.13
			50@0	DFT_QAM16	20.20	19.99	20.01
			25@12	DFT_QAM64	19.74	19.51	19.55
			1@1	DFT_QAM64	19.36	19.47	19.19
			1@49	DFT_QAM64	19.39	19.37	19.28
			50@0	DFT_QAM64	19.65	19.41	19.55
			25@12	DFT_QAM256	17.60	17.41	17.48
			1@1	DFT_QAM256	17.71	17.44	17.48
			1@49	DFT_QAM256	17.52	17.33	17.43
			50@0	DFT_QAM256	17.61	17.44	17.52
			25@12	CP_QPSK	20.18	20.07	19.98
			1@1	CP_QPSK	20.06	20.08	19.87
			1@49	CP_QPSK	20.04	19.95	20.05
			51@0	CP_QPSK	19.13	18.95	19.01
			25@12	CP_QAM16	20.28	20.09	20.08
			1@1	CP_QAM16	20.11	20.26	19.80
			1@49	CP_QAM16	20.58	19.71	19.91
			51@0	CP_QAM16	19.16	19.01	19.03
			25@12	CP_QAM64	18.83	18.66	18.65
			1@1	CP_QAM64	19.41	18.85	19.31
			1@49	CP_QAM64	18.93	18.50	19.36
			51@0	CP_QAM64	18.64	18.47	18.66
			25@12	CP_QAM256	15.81	15.54	15.54
			1@1	CP_QAM256	15.77	15.57	15.46
			1@49	CP_QAM256	15.75	15.56	15.66
			51@0	CP_QAM256	15.62	15.44	15.47

NR n66 part ANT 5:

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					343000	349000	355000
					1715MHz	1745MHz	1775MHz
n66	30	10	12@6	DFT_BPSK	20.27	20.13	19.94
			1@1	DFT_BPSK	20.26	20.14	19.88
			1@22	DFT_BPSK	20.24	20.15	20.08
			24@0	DFT_BPSK	20.33	20.09	19.90
			12@6	DFT_QPSK	20.29	20.04	19.92
			1@1	DFT_QPSK	20.19	20.18	19.92
			1@22	DFT_QPSK	20.29	19.89	19.91
			24@0	DFT_QPSK	20.26	20.07	19.96
			12@6	DFT_QAM16	20.21	19.98	20.05
			1@1	DFT_QAM16	20.34	20.22	19.99
			1@22	DFT_QAM16	20.34	19.96	19.91
			24@0	DFT_QAM16	20.23	20.16	19.97
			12@6	DFT_QAM64	19.96	19.61	19.49
			1@1	DFT_QAM64	19.66	19.52	19.25
			1@22	DFT_QAM64	19.67	19.23	19.20
			24@0	DFT_QAM64	19.83	19.69	19.49
			12@6	DFT_QAM256	17.87	17.67	17.33
			1@1	DFT_QAM256	17.59	17.60	17.29
			1@22	DFT_QAM256	17.87	17.36	17.63
			24@0	DFT_QAM256	17.77	17.63	17.50
			12@6	CP_QPSK	20.20	19.97	19.79
			1@1	CP_QPSK	20.19	20.12	19.79
			1@22	CP_QPSK	20.19	19.87	20.14
			24@0	CP_QPSK	19.17	19.10	18.94
			12@6	CP_QAM16	20.12	20.01	19.86
			1@1	CP_QAM16	20.13	20.08	20.23
			1@22	CP_QAM16	20.13	20.30	19.79
			24@0	CP_QAM16	19.21	19.01	18.88
			12@6	CP_QAM64	18.78	18.63	18.52
			1@1	CP_QAM64	19.03	19.01	18.79
			1@22	CP_QAM64	19.56	19.05	19.00
			24@0	CP_QAM64	18.72	18.63	18.48
			12@6	CP_QAM256	15.78	15.76	15.50
			1@1	CP_QAM256	15.82	15.81	15.62
			1@22	CP_QAM256	16.02	15.91	15.65
			24@0	CP_QAM256	15.75	15.63	15.50

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					343500	349000	354500
					1717.5MHz	1745MHz	1772.5MHz
n66	30	15	18@9	DFT_BPSK	20.24	20.04	19.91
			1@1	DFT_BPSK	20.20	20.33	19.85
			1@36	DFT_BPSK	20.26	20.14	19.92
			36@0	DFT_BPSK	20.26	20.09	19.89
			18@9	DFT_QPSK	20.20	20.07	19.89
			1@1	DFT_QPSK	20.24	20.17	19.87
			1@36	DFT_QPSK	20.20	19.91	19.88
			36@0	DFT_QPSK	20.26	20.02	19.93
			18@9	DFT_QAM16	20.30	20.18	19.92
			1@1	DFT_QAM16	20.29	20.14	20.04
			1@36	DFT_QAM16	20.30	20.12	20.06
			36@0	DFT_QAM16	20.29	20.14	19.87
			18@9	DFT_QAM64	19.88	19.73	19.52
			1@1	DFT_QAM64	19.63	19.50	19.36
			1@36	DFT_QAM64	19.60	19.16	19.33
			36@0	DFT_QAM64	19.75	19.58	19.45
			18@9	DFT_QAM256	17.86	17.71	17.50
			1@1	DFT_QAM256	17.87	17.81	17.49
			1@36	DFT_QAM256	17.95	17.40	17.34
			36@0	DFT_QAM256	17.72	17.57	17.40
			19@9	CP_QPSK	20.29	20.17	19.86
			1@1	CP_QPSK	20.40	20.15	19.74
			1@36	CP_QPSK	20.18	19.80	19.95
			38@0	CP_QPSK	19.30	19.09	18.91
			19@9	CP_QAM16	20.29	20.13	19.96
			1@1	CP_QAM16	20.07	20.58	20.48
			1@36	CP_QAM16	20.06	19.51	20.41
			38@0	CP_QAM16	19.16	19.09	19.00
			19@9	CP_QAM64	18.90	18.93	18.72
			1@1	CP_QAM64	19.03	18.81	18.53
			1@36	CP_QAM64	19.08	18.63	18.95
			38@0	CP_QAM64	18.84	18.69	18.51
			19@9	CP_QAM256	15.90	15.77	15.59
			1@1	CP_QAM256	15.86	15.79	15.51
			1@36	CP_QAM256	15.89	15.52	15.50
			38@0	CP_QAM256	15.83	15.72	15.57

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					344000	349000	354000
					1720MHz	1745MHz	1770MHz
n66	30	20	25@12	DFT_BPSK	20.32	20.16	19.94
			1@1	DFT_BPSK	20.29	20.32	19.88
			1@49	DFT_BPSK	20.27	20.05	20.02
			50@0	DFT_BPSK	20.23	20.09	19.90
			25@12	DFT_QPSK	20.25	20.14	19.92
			1@1	DFT_QPSK	20.12	20.20	19.90
			1@49	DFT_QPSK	20.24	19.92	19.89
			50@0	DFT_QPSK	20.30	20.10	19.92
			25@12	DFT_QAM16	20.25	20.15	19.93
			1@1	DFT_QAM16	20.38	20.24	19.89
			1@49	DFT_QAM16	20.42	19.88	19.91
			50@0	DFT_QAM16	20.31	20.07	19.94
			25@12	DFT_QAM64	19.75	19.64	19.45
			1@1	DFT_QAM64	19.52	19.43	19.14
			1@49	DFT_QAM64	19.57	19.17	19.15
			50@0	DFT_QAM64	19.78	19.57	19.41
			25@12	DFT_QAM256	17.77	17.70	17.42
			1@1	DFT_QAM256	17.80	17.59	17.54
			1@49	DFT_QAM256	17.66	17.57	17.26
			50@0	DFT_QAM256	17.73	17.57	17.43
			25@12	CP_QPSK	20.27	20.16	20.01
			1@1	CP_QPSK	20.04	20.18	19.77
			1@49	CP_QPSK	20.11	19.79	20.09
			51@0	CP_QPSK	19.31	19.08	18.96
			25@12	CP_QAM16	20.33	20.24	19.97
			1@1	CP_QAM16	20.70	20.57	19.58
			1@49	CP_QAM16	20.23	19.67	19.63
			51@0	CP_QAM16	19.34	19.17	18.95
			25@12	CP_QAM64	18.95	18.68	18.63
			1@1	CP_QAM64	19.17	19.50	19.27
			1@49	CP_QAM64	19.25	19.36	19.39
			51@0	CP_QAM64	18.84	18.61	18.47
			25@12	CP_QAM256	15.86	15.84	15.58
			1@1	CP_QAM256	15.80	15.66	15.39
			1@49	CP_QAM256	15.83	15.53	15.51
			51@0	CP_QAM256	15.71	15.65	15.40

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					346000	349000	352000
					1730MHz	1745MHz	1760MHz
n66	30	40	50@25	DFT_BPSK	20.19	20.02	19.87
			1@1	DFT_BPSK	20.17	20.14	20.09
			1@104	DFT_BPSK	19.91	19.78	19.76
			100@0	DFT_BPSK	20.14	20.05	19.93
			50@25	DFT_QPSK	20.17	20.02	19.85
			1@1	DFT_QPSK	20.10	20.06	20.07
			1@104	DFT_QPSK	19.93	19.84	19.78
			100@0	DFT_QPSK	20.06	20.03	19.86
			50@25	DFT_QAM16	20.14	20.00	19.90
			1@1	DFT_QAM16	20.27	20.31	20.20
			1@104	DFT_QAM16	19.91	20.06	19.80
			100@0	DFT_QAM16	20.14	20.00	19.87
			50@25	DFT_QAM64	19.64	19.59	19.36
			1@1	DFT_QAM64	19.50	19.53	19.40
			1@104	DFT_QAM64	19.21	19.13	19.06
			100@0	DFT_QAM64	19.71	19.59	19.42
			50@25	DFT_QAM256	17.66	17.57	17.49
			1@1	DFT_QAM256	17.78	17.81	17.74
			1@104	DFT_QAM256	17.56	17.52	17.29
			100@0	DFT_QAM256	17.62	17.56	17.43
			53@26	CP_QPSK	20.15	20.08	19.88
			1@1	CP_QPSK	20.11	19.98	20.01
			1@104	CP_QPSK	19.89	19.77	19.69
			106@0	CP_QPSK	19.16	19.08	19.01
			53@26	CP_QAM16	20.19	20.03	19.89
			1@1	CP_QAM16	19.85	20.59	19.69
			1@104	CP_QAM16	20.38	20.33	19.40
			106@0	CP_QAM16	19.10	19.10	18.90
			53@26	CP_QAM64	18.67	18.60	18.44
			1@1	CP_QAM64	19.07	19.35	18.68
			1@104	CP_QAM64	18.96	19.20	18.37
			106@0	CP_QAM64	18.59	18.56	18.39
			53@26	CP_QAM256	15.75	15.60	15.41
			1@1	CP_QAM256	15.64	15.48	15.56
			1@104	CP_QAM256	15.45	15.33	15.30
			106@0	CP_QAM256	15.66	15.59	15.45

Note:

1. 5G NRn7/n38/n41/n77/n78 supports NSA; n5/n7/n12/n38/n41/n66/n71/n77/n78 supports SA.
2. 5G NR n77/n78 supports HPUE.
3. SAR testing start with the largest channel bandwidth and measure SAR for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.

4. 50% RB allocation for PI/2 BPSK SAR testing follows 1RB PI/2 BPSK allocation procedure.
5. QPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not 1/2 dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
6. Smaller bandwidth output power for each RB allocation configuration for this device will not 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is less than 1.45 W/kg, smaller bandwidth SAR testing is no required for this device.

13.5 WLAN 2.4 GHz Band Conducted Power

ANT 12:

Average Power (dBm)				
Channel	Frequency (MHz)	802.11 b	802.11 g	802.11n (HT20)
CH 01	2412	16.16	15.57	14.35
CH 06	2437	**16.44**	15.92	15.02
CH 11	2462	16.42	15.84	14.87

Average Power (dBm)		
Channel	Frequency (MHz)	802.11n (HT40)
CH 03	2422	14.21
CH 06	2437	14.72
CH 09	2452	14.74

ANT 13:

Average Power (dBm)				
Channel	Frequency (MHz)	802.11 b	802.11 g	802.11n (HT20)
CH 01	2412	16.52	15.88	14.47
CH 06	2437	16.96	16.21	14.83
CH 11	2462	**17.43**	16.81	15.55

Average Power (dBm)		
Channel	Frequency (MHz)	802.11n (HT40)
CH 03	2422	14.27
CH 06	2437	14.52
CH 09	2452	15.23

Note:

1. SAR test of WLAN 2.4GHz is performed.
2. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
3. Per KDB 248227 D01v02r02, In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. SAR is not required for the following 2.4 GHz OFDM conditions:
   1) When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.
   2) When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
4. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
5. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.

13.6 WLAN 5.2GHz Band Conducted Power

Average Power (dBm)					
Channel	Frequency (MHz)	802.11 a	802.11 ac20	802.11 ax20	802.11 n20
CH 36	5180	15.76	14.85	14.06	15.24
CH 40	5200	**16.28**	15.31	14.63	15.82
CH 48	5240	16.28	15.48	14.78	15.77

Average Power (dBm)				
Channel	Frequency (MHz)	802.11 ac40	802.11 ax40	802.11 n40
CH 38	5190	14.70	14.02	14.83
CH 46	5230	14.93	14.22	15.08

Average Power (dBm)			
Channel	Frequency (MHz)	802.11 ac80	802.11 ax80
CH 42	5210	14.32	14.12

Note:

1. SAR test of WLAN 5.2GHz is performed.
2. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
3. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
4. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.

13.7 WLAN 5.3GHz Band Conducted Power

Average Power (dBm)					
Channel	Frequency (MHz)	802.11 a	802.11 ac20	802.11 ax20	802.11 n20
CH 52	5260	16.00	15.00	14.25	15.53
CH 57	5300	**16.43**	15.30	14.71	15.89
CH 64	5320	16.32	15.30	14.55	15.79

Average Power (dBm)				
Channel	Frequency (MHz)	802.11 ac40	802.11 ax40	802.11 n40
CH 54	5270	14.70	14.45	14.79
CH 62	5310	15.26	15.05	15.30

Average Power (dBm)			
Channel	Frequency (MHz)	802.11 ac80	802.11 ax80
CH 58	5290	14.25	14.11

Note:

1. SAR test of WLAN 5.3GHz is performed.
2. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
3. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
4. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.