



FCC TEST REPORT FOR

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for : Lunar Industries inc.
Address : 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4
Canada

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : February 26, 2025
Number of tested samples : 2
Sample No. : A250303080-1, A250303080-2
Serial number : Prototype
Date of Test : February 26, 2025 ~ March 25, 2025
Date of Report : March 26, 2025



**FCC PART 22/24/27/90 TEST REPORT****FCC Part 22H/Part 24E/Part 27/Part 90****Report Reference No.** : LCSA11204234EL**FCC ID.** : 2BN26-BRAX3**Date of Issue.** : March 26, 2025**Testing Laboratory Name** : Shenzhen LCS Compliance Testing Laboratory Ltd.Address : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park
Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China**Applicant's name** : Lunar Industries inc.Address : 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4
Canada**Test specification** :Standard : FCC CFR Title 47 Part 2, Part 22H, Part 24E, Part 27, Part 90
TIA-603-E: 2016
KDB971168 D01 Power Meas License Digital Systems v03r01

Test Report Form No : LCSEMC-1.0

TRF Originator : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF : Dated 2011-03

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Test item description : Smart Phone

Trade Mark : Brax

Test Model : BraX3

Rating : Please Refer to Page 7

Result : Positive

Compiled by:

Jack Liu/ Administrator

Supervised by:

Cary Luo/ Technique principal

Approved by:

Gavin Liang/ Manager



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**TEST REPORT****Test Report No. : LCSA11204234EL**

March 26, 2025

Date of issue

Test Model.....	: BraX3
EUT.....	: Smart Phone
Applicant.....	: Lunar Industries inc.
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Lunar Industries inc.
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Factory.....	: Lunar Technologies ODD
Address.....	: NPZ Hadzhi Dimitar, ul."industrialna" 11 Floor 5 Sofia 1202 Bulgaria
Telephone.....	: /
Fax.....	: /

Test Result:**PASS**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---



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1 TEST STANDARDS

The tests were performed according to following standards:

[FCC Part 22H](#): Cellular Radiotelephone Service

[FCC Part 24E](#): Broadband PCS

[FCC Part 27](#): MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES

[FCC Part 90](#): PRIVATE LAND MOBILE RADIO SERVICES

[TIA-603-E March 2016](#): Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

[47 CFR FCC Part 15 Subpart B](#): Unintentional Radiators

[FCC Part 2](#): FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS

[ANSI C63.4:2014](#): Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

[FCC KDB971168 D01](#): Power Meas License Digital Systems v03r01



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2 SUMMARY

2.1 Product Description

The **Lunar Industries inc.**'s Model: BraX3 or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

EUT	: Smart Phone
Test Model	: BraX3
Ratings	: Input:5V $\overline{\text{---}}$ 2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	: KE115S_01
Software Version	: V600.BX3.25032025.16.19.AD
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	: 1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	: V5.2
Antenna Description	: PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2462MHz
Channel Spacing	: 5MHz
Channel Number	: 11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:
Frequency Range	: 5180MHz~5240MHz
Channel Number	: 4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)	:
Frequency Range	: 5260MHz~5320MHz
Channel Number	: 4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:
Frequency Range	: 5500MHz~5700MHz
Channel Number	: 11 Channels for 20MHz bandwidth(5500MHz~5700MHz)



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Modulation Type	5 Channels for 40MHz bandwidth(5510MHz~5670MHz)
	2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)
	IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
	: PIFA Antenna(ANT5), 0.65dBi(Max.)
	WIFI(5.8G Band)
	:
Frequency Range	: 5745MHz~5825MHz
Channel Number	: 5 channels for 20MHz bandwidth(5745MHz~5825MHz)
	2 channels for 40MHz bandwidth(5755MHz~5795MHz)
	1 channels for 80MHz bandwidth(5775MHz)
	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)
Modulation Type	IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
	IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
	: PIFA Antenna(ANT5),0.65dBi(Max.)
	Antenna Description
2G	:
Support Band	☒ GSM 900 (EU-Band) ☒ DCS 1800 (EU-Band)
	☒ GSM 850 (U.S.-Band) ☒ PCS 1900 (U.S.-Band)
	Release Version
	: R9
GPRS Class	: Class 12
EGPRS Class	: Class 12
Type Of Modulation	: GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	: GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3)
	PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
	3G
	:
Support Band	☒ WCDMA Band I (EU-Band)
	☒ WCDMA Band II (U.S.-Band)
	☒ WCDMA Band IV (U.S.-Band)
	☒ WCDMA Band V (U.S.-Band)
	☒ WCDMA Band VIII (EU-Band)
	Release Version
Type Of Modulation	: QPSK,16QAM
Antenna Description	: PIFA Antenna
	WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0)
	WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0)
	WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:
Support Band	☒ E-UTRA Band 1(EU-Band)
	☒ E-UTRA Band 2(U.S.-Band)
	☒ E-UTRA Band 3(EU-Band)
	☒ E-UTRA Band 4(U.S.-Band)
	☒ E-UTRA Band 5(U.S.-Band)
	☒ E-UTRA Band 7(U.S.-Band)
	☒ E-UTRA Band 8(EU-Band)
	☒ E-UTRA Band 12(U.S.-Band)
	☒ E-UTRA Band 13(U.S.-Band)
	☒ E-UTRA Band 17(U.S.-Band)
	☒ E-UTRA Band 25(U.S.-Band)
	☒ E-UTRA Band 26(U.S.-Band)
	☒ E-UTRA Band 28(EU-Band)
	☒ E-UTRA Band 38(U.S.-Band)
	☒ E-UTRA Band 40(EU-Band)





	☒ E-UTRA Band 41(U.S.-Band)
	☒ E-UTRA Band 42(EU-Band)
	☒ E-UTRA Band 66(U.S.-Band)
	☒ E-UTRA Band 71(U.S.-Band)
LTE Release Version	: R15
Type Of Modulation	: QPSK/16QAM
Antenna Description	: PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0), -1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3), -1.8 dBi(ANT0), -1.1 dBi(ANT2), -1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3), -1.1 dBi(ANT0), -1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 -0.6 dBi(ANT3), -1.1 dBi(ANT0), -1.1 dBi(ANT2), -1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	: Class 3
NR	:
Operation Band	: SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL: 1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL: 869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	: ☒ SA
Subcarrier Spacing	: 15KHz, 30KHz
Modulation Type	: DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	: n2_SCS 15kHz: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz n5_SCS 15kHz: 5 MHz, 10 MHz, 15 MHz, 20 MHz n7_SCS 15kHz: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz





MHz,50MHz
n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz
n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz
n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz
n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz
n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz
n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz
n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz
n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz
n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz

Power Class : NR Band 2/5/7/25/26/38/41:PC3

NR Band 66/71/77/78: PC2

Antenna Description : PIFA Antenna

NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6)

NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3)

NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6)

NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6)

NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3)

NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6)

NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6)

NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6)

NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3)

NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)

NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)

NFC :

Operating Frequency : 13.56MHz

Modulation Type : ASK

Antenna Description : Internal Antenna

GPS Function : Support and only RX

FM Function : Support and only RX

Extreme temp. Tolerance : -30°C to +50°C

Extreme vol. Limits : 3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.





2.2 Equipment under Test

Power supply system utilised

Power supply voltage	:	☒ 120V/ 60 Hz	☐ 115V/60Hz
		☐ 12 V DC	☐ 24 V DC
		☐ Other (specified in blank below)	

2.3 Short description of the Equipment under Test (EUT)

2.3.1 GeneralDescription

Smart Phone is subscriber equipment in the BT/BLE/2.4GWIFI/5.2GWIFI/5.3GWIFI/5.5GWIFI/5.8GWIFI/GSM/WCDMA/LTE/NR system. GSM/GPRS/EGPRS frequency band is Band II/V. The HSPA/UMTS frequency band is Band II/IV/V. LTE frequency band is band 2/4/5/7/12/13/17/25/26/38/41/66/71. NR frequency band is band 2/5/7/25/26/38/41/66/71/77/78. The HSPA/UMTS frequency band II and Band IV and Band V test data included in this report. The Smart Phone implements such functions as RF signal receiving/transmitting, GSM/GPRS/EGPRS HSPA/UMTS/LTE/NR protocol processing, video MMS service and etc. Externally it provides SIM card interface.

2.4 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

2.5 External I/O Cable

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

2.6 Normal Accessory setting

Fully charged battery was used during the test.

2.7 Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit





2.8 EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- - supplied by the manufacturer
- - supplied by the lab

○ Power Cable	Length (m) :	/
	Shield :	/
	Detachable :	/
○ Multimeter	Manufacturer :	/
	Model No. :	/

2.9 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2BN26-BRAX3 filing to comply with FCC Part 22, Part 24 and Part 27 Rules

2.10 Modifications

No modifications were implemented to meet testing criteria.

2.11 General Test Conditions/Configurations

2.10.1 Test Environment

EnvironmentParameter	SelectedValuesDuringTests	
Relative Humidity	Ambient	
Temperature	TN	Ambient
Voltage	VL	DC 3.3V
	VN	DC 3.87V
	VH	DC 4.45V

NOTE:VL=lower extreme testvoltage VN=nominal voltage
VH=upper extreme testvoltage TN=normal temperature





3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen LCS Compliance Testing Laboratory Ltd

101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

The sites are constructed in conformance with the requirements of ANSI C63.4 (2014) and CISPR Publication 22.

3.2 Test Facility

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

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

3.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4 Test Description

NR Band 2 (1850-1910MHz pairedwith 1930-1990MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §24.232	EIRP $\leq$ 2W	PASS
Peak-Average Ratio	§2.1046, §24.232	FCC:Limit $\leq$ 13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §24.238	$\leq$ -13dBm/1%*EBW, In 1MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238	$\leq$ -13dBm/1MHz, from 9kHz to10 th harmonics but outside authorized Operating frequency ranges.	PASS
Field Strength of Spurious Radiation	§2.1053, §24.238	$\leq$ -13dBm/1MHz.	PASS
Frequency Stability	§2.1055, §24.235	FCC: within authorized frequency block.	PASS

NOTE 1:For the verdict, the"N/A"denotes"not applicable",the"N/T"de notes "not tested".



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**NR Band 5 (824-849MHz pairedwith 869-894MHz)**

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §22.913	FCC: ERP $\leq$ 7W.	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §22.917	$\leq -13\text{dBm}/1\% \cdot \text{EBW}$, In 1MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §22.917	FCC: $\leq -13\text{dBm}/100\text{kHz}$, from 9kHz to 10th harmonics but outside authorized operating frequency ranges.	Pass
Field Strength of Spurious Radiation	§2.1053, §22.917	FCC: $\leq -13\text{dBm}/100\text{kHz}$.	Pass
Frequency Stability	§2.1055, §22.355	$\leq \pm 2.5\text{ppm}$.	Pass

NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.

NR Band 7 (2500-2570MHz pairedwith 2620-2690MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §27.50(h)	FCC: EIRP $\leq$ 2W.	Pass
Peak-AverageRatio	§2.1046, §27.50(a)	Limit $\leq$ 13dB	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §27.53(m)	More details specified in §27.53(m)(4)	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	More details specified in §27.53(m)(4)	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(m)	More details specified in §27.53(m)(4)	Pass
Frequency Stability	§2.1055, §27.54	$\leq \pm 2.5\text{ppm}$.	Pass

NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.



**NR Band 25 (1850-1915MHz pairedwith 1930-1995MHz)**

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §24.232	ERP ≤ 2W;	PASS
Peak-Average Ratio	§2.1046, §24.232	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §24.238	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238	≤ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1053, §24.238	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1055, §24.235	≤ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 26 (814-824MHz pairedwith 859-869MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §90.635	ERP ≤ 100W;	PASS
Peak-Average Ratio	§2.1046,	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §90.669	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §90.669	≤ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §90.213	≤ ±2.5ppm.	PASS
Radiated spurious emission	§2.1053, §90.669	≤ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			



**NR Band 26 (824-849MHz pairedwith 869-894MHz)**

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §22.913	ERP $\leq$ 7W;	PASS
Peak-Average Ratio	§2.1046,	Limit $\leq$ 13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §22.917 §90.691	$\leq$ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §22.917	$\leq$ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §22.355	$\leq \pm 2.5$ ppm.	PASS
Radiated spurious emission	§2.1053, §22.917	$\leq$ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 38(2570~2620MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)	EIRP $\leq$ 2W;	PASS
Peak-Average Ratio	§2.1046, §27.50	Limit $\leq$ 13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(m)	$\leq$ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	$\leq$ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(m)	$\leq$ -25dBm/1MHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			



**NR Band 41(2496-2690MHz)**

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)	EIRP $\leq$ 2W;	PASS
Peak-Average Ratio	§2.1046, §27.50	Limit $\leq$ 13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(m)	$\leq$ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	$\leq$ -13dBm/1MHz, from 9kHz to 10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(m)	$\leq$ -25dBm/1MHz.	PASS

NOTE 1: For the verdict, the "N/A" denotes "not applicable", the "N/T" de notes "not tested".

Band 66 (1710-1780MHz pairedwith 2110-2180MHz)

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)	EIRP $\leq$ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(d)	Limit $\leq$ 13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
Band Edges Compliance	§2.1051, §27.53(g)	$\leq$ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	$\leq$ -13dBm/1MHz, from 9kHz to 10 th harmonics but outside authorized operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(g)	$\leq$ -13dBm/1MHz.	PASS

NOTE 1: For the verdict, the "N/A" denotes "not applicable", the "N/T" de notes "not tested"



**Band 71 (663-698MHz pairedwith 617-652MHz)**

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(c)	EIRP $\leq$ 3W;	PASS
Peak-Average Ratio	§2.1046,	Limit $\leq$ 13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(g)	$\leq$ -13dBm/1%*EBW, in1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	$\leq$ -13dBm/1MHz, from 9kHz to10 th harmonics but outside authorized operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(g)	$\leq$ -13dBm/1MHz.	PASS

NOTE 1: For the verdict, the "N/A" denotes "not applicable", the "N/T" de notes "not tested"

NR Band 77(3450-3550MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(k)	EIRP $\leq$ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(k)	Limit $\leq$ 13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(n) (2)	$\leq$ -13dBm/1%*EBW, in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(n) (2)	$\leq$ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(n) (2)	$\leq$ -13dBm/1MHz.	PASS

NOTE 1: For the verdict, the "N/A" denotes "not applicable", the "N/T" de notes "not tested".



**NR Band 77(3700-3980MHz)**

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(j)	EIRP $\leq$ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(j)	Limit $\leq$ 13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(l) (2)	$\leq$ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(l) (2)	$\leq$ -13dBm/1MHz, from 9kHz to 10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(l) (2)	$\leq$ -13dBm/1MHz.	PASS

NOTE 1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

NR Band 78(3450-3550MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(k)	EIRP $\leq$ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(k)	Limit $\leq$ 13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(n) (2)	$\leq$ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(n) (2)	$\leq$ -13dBm/1MHz, from 9kHz to 10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(n) (2)	$\leq$ -13dBm/1MHz.	PASS

NOTE 1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".





NR Band 78(3700-3800MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(j)	EIRP $\leq$ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(j)	Limit $\leq$ 13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(l) (2)	$\leq$ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(l) (2)	$\leq$ -13dBm/1MHz, from 9kHz to 10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(l) (2)	$\leq$ -13dBm/1MHz.	PASS

NOTE 1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".





3.5 Equipments Used during the Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	LTE Test Software	Tonscend	JS1120-1	N/A	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-1	158060009	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2024-10-08	2025-10-07
7	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2024-06-06	2025-06-05
8	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
9	EMI Test Software	AUDIX	E3	/	N/A	N/A
10	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
11	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
12	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
13	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
14	By-log Antenna	SCHWARZBECK	VULB9163	9163-471	2024-08-03	2027-08-02
15	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
16	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1926	2024-07-13	2027-07-12
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
18	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	792	2024-07-13	2027-07-12
19	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
20	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
21	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
22	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
23	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
24	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
25	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
26	Temperature & Humidity Chamber	Baro	/	/	2024-06-12	2025-06-11
27	EMI Test Software	Farad	EZ	/	N/A	N/A
28	RADIO COMMUNICATION TESTER	R&S	CMU 200	105988	2024-06-06	2025-06-05
29	RADIO COMMUNICATION TESTER	Anritsu	MT8821C	6262257865	2024-05-18	2025-05-17
30	RADIO COMMUNICATION TESTER	Anritsu	MT8000A	6262208376	2024-05-18	2025-05-17
31	Signal Analyzer	Anritsu	MS2840A	6201591940	2024-06-06	2025-06-05
32	Signal Generator	Anritsu	MG3710E	6262204211	2024-06-06	2025-06-05
33	Signal Generator	Anritsu	MG3692C	222804	2024-06-06	2025-06-05
34	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A



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3.6 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to ETSI TR 100 028 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics" and is documented in the Shenzhen LCS Compliance Testing Laboratory Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen LCS Compliance Testing Laboratory Ltd. is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	3.10 dB	(1)
Radiated Emission	1~18GHz	3.80 dB	(1)
Radiated Emission	18~40GHz	3.90 dB	(1)
Conducted Disturbance	0.15~30MHz	1.63 dB	(1)
Conducted Power	9KHz~18GHz	0.61 dB	(1)
Spurious RF Conducted Emission	9KHz~40GHz	1.22 dB	(1)
Band Edge Compliance of RF Emission	9KHz~40GHz	1.22 dB	(1)
Occupied Bandwidth	9KHz~40GHz	-	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.





4 TEST CONDITIONS AND RESULTS

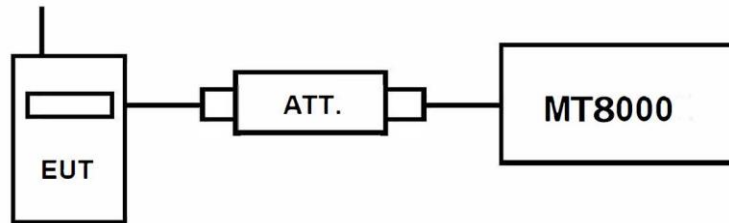
4.1 Output Power

TEST APPLICABLE

During the process of testing, the EUT was controlled via Anritsu Digital Radio Communication tester (MT8000A) to ensure max power transmission and proper modulation. This result contains output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.

4.1.1. Conducted Output Power

TEST CONFIGURATION



TEST PROCEDURE

Conducted Power Measurement:

- Place the EUT on a bench and set it in transmitting mode.
- Connect a low loss RF cable from the antenna port to a MT8000A by an Att.
- EUT Communicate with MT8000A then selects a channel for testing.
- Add a correction factor to the display MT8000A, and then test.

TEST RESULTS

Remark:

- We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71, NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71, NR Band 77, NR Band 78.
- For NR Band 2, please refer to Appendix_a: Section a.1
- For NR Band 5, please refer to Appendix_b: Section b.1
- For NR Band 7, please refer to Appendix_c: Section c.1
- For NR Band 25, please refer to Appendix_d: Section d.1
- For NR Band 26, please refer to Appendix_e&f: Section e&f.1
- For NR Band 38, please refer to Appendix_g: Section g.1
- For NR Band 41, please refer to Appendix_h: Section h.1
- For NR Band 66, please refer to Appendix_i: Section i.1
- For NR Band 71, please refer to Appendix_j: Section j.1
- NR Band 77, please refer to Appendix_k&l: Section k&l.1
- NR Band 78, please refer to Appendix_m&n: Section m&n.1





4.1.2. Radiated Output Power

LIMIT

This is the test for the maximum radiated power from the EUT.

Per §22.913(2) Extend coverage on a secondary basis into cellular unserved areas, as those areas are defined in §22.949, the ERP of base transmitters and cellular repeaters of such systems must not exceed 1000 Watts. The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

Per Part 27.50(d) (4) specifies, Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755MHz band are limited to 1W EIRP. Fixed stations operating in this band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in this band must employ a means for limiting power to the minimum necessary for successful communications.

Per Part 27.50(c) (10) specifies, Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

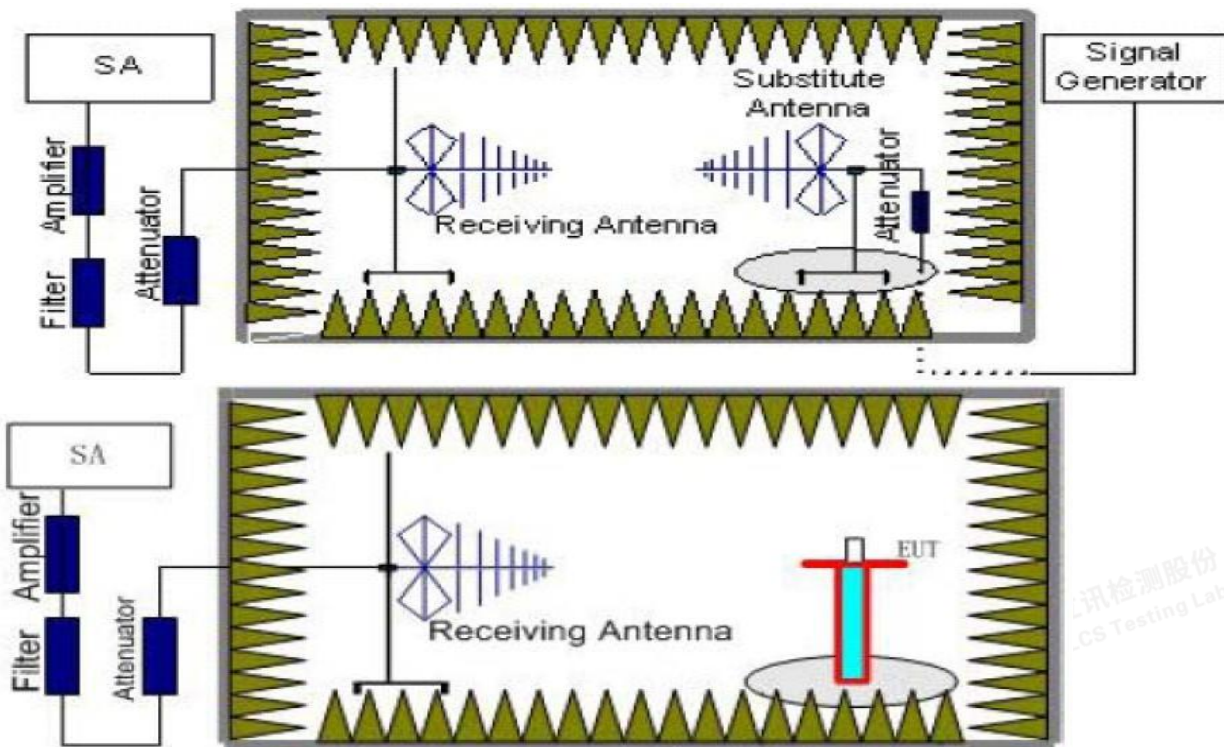
Per Part 27.50(h) (2) specifies Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

FCC section 27.50(j) (3), for mobile, and portable (hand-held) stations operating in the 3700-3980 MHz band are limited to 1 watt EIRP.

FCC section 27.50(k) (3), Mobile devices are limited to 1Watt (30 dBm) EIRP in the 3450-3550 MHz band.

Per Part 90.635(b) The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw)

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same



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power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.

3. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna. In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}), the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
The measurement results are obtained as described below:
 $Power(EIRP) = P_{Mea} + P_{Ag} - P_{cl} + G_a$
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15dBi$.

TEST RESULTS

Radiated Measurement:

Remark:

1. We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.
2. $EIRP = P_{Mea}(dBm) - P_{cl}(dB) + P_{Ag}(dB) + G_a(dBi)$
3. $ERP = EIRP - 2.15dBi$ as EIRP by subtracting the gain of the dipole.
4. $Margin = Emission Level - Limit$
5. We tested the worst-case records for H and V directions, and only the worst-case records for V direction were recorded in the report.

NR FDD Band 2_Channel Bandwidth 5MHz_DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-19.62	4.03	8.38	35.51	20.24	33.01	-12.77	V
1880.0	-19.45	4.08	8.33	35.56	20.36	33.01	-12.65	V
1907.5	-19.77	4.14	8.26	35.63	19.98	33.01	-13.03	V

NR FDD Band 2_Channel Bandwidth 10MHz_DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-20.10	4.03	8.38	35.51	19.76	33.01	-13.25	V
1880.0	-19.69	4.08	8.33	35.56	20.12	33.01	-12.89	V
1905.0	-20.39	4.14	8.26	35.63	19.36	33.01	-13.65	V



**NR FDD Band 2_Channel Bandwidth 15MHz_DFT-BPSK**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-20.56	4.03	8.38	35.51	19.30	33.01	-13.71	V
1880.0	-20.69	4.08	8.33	35.56	19.12	33.01	-13.89	V
1902.5	-20.91	4.14	8.26	35.63	18.84	33.01	-14.17	V

NR FDD Band 2_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-20.70	4.03	8.38	35.51	19.16	33.01	-13.85	V
1880.0	-20.53	4.08	8.33	35.56	19.28	33.01	-13.73	V
1900.0	-21.44	4.14	8.26	35.63	18.31	33.01	-14.70	V

NR FDD Band 2_Channel Bandwidth 25MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1862.5	-21.53	4.03	8.38	35.51	18.33	33.01	-14.68	V
1880.0	-21.59	4.08	8.33	35.56	18.22	33.01	-14.79	V
1897.5	-21.78	4.14	8.26	35.63	17.97	33.01	-15.04	V

NR FDD Band 2_Channel Bandwidth 30MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-21.90	4.03	8.38	35.51	17.96	33.01	-15.05	V
1880.0	-22.16	4.08	8.33	35.56	17.65	33.01	-15.36	V
1895.0	-22.06	4.14	8.26	35.63	17.69	33.01	-15.32	V

NR FDD Band 2_Channel Bandwidth 30MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-21.90	4.03	8.38	35.51	17.96	33.01	-15.05	V
1880.0	-22.16	4.08	8.33	35.56	17.65	33.01	-15.36	V
1895.0	-22.06	4.14	8.26	35.63	17.69	33.01	-15.32	V

NR FDD Band 2_Channel Bandwidth 35MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-21.33	4.03	8.38	35.51	18.53	33.01	-14.48	V
1880.0	-22.41	4.08	8.33	35.56	17.40	33.01	-15.61	V
1895.0	-22.21	4.14	8.26	35.63	17.54	33.01	-15.47	V



**NR FDD Band 2_Channel Bandwidth 40MHz_DFT-BPSK**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1870.0	-19.90	4.03	8.38	35.51	19.96	33.01	-13.05	V
1880.0	-20.07	4.08	8.33	35.56	19.74	33.01	-13.27	V
1890.0	-20.36	4.14	8.26	35.63	19.39	33.01	-13.62	V

NR FDD Band 2_Channel Bandwidth 5MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-20.22	4.03	8.38	35.51	19.64	33.01	-13.37	V
1880.0	-20.14	4.08	8.33	35.56	19.67	33.01	-13.34	V
1907.5	-20.57	4.14	8.26	35.63	19.18	33.01	-13.83	V

NR FDD Band 2_Channel Bandwidth 10MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-21.18	4.03	8.38	35.51	18.68	33.01	-14.33	V
1880.0	-21.11	4.08	8.33	35.56	18.70	33.01	-14.31	V
1905.0	-20.80	4.14	8.26	35.63	18.95	33.01	-14.06	V

NR FDD Band 2_Channel Bandwidth 15MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-21.76	4.03	8.38	35.51	18.10	33.01	-14.91	V
1880.0	-21.56	4.08	8.33	35.56	18.25	33.01	-14.76	V
1902.5	-21.64	4.14	8.26	35.63	18.11	33.01	-14.90	V

NR FDD Band 2_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-22.47	4.03	8.38	35.51	17.39	33.01	-15.62	V
1880.0	-21.77	4.08	8.33	35.56	18.04	33.01	-14.97	V
1900.0	-21.53	4.14	8.26	35.63	18.22	33.01	-14.79	V

NR FDD Band 2_Channel Bandwidth 25MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1862.5	-22.35	4.03	8.38	35.51	17.51	33.01	-15.50	V
1880.0	-22.30	4.08	8.33	35.56	17.51	33.01	-15.50	V
1897.5	-22.07	4.14	8.26	35.63	17.68	33.01	-15.33	V





NR FDD Band 2_Channel Bandwidth 30MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-20.27	4.03	8.38	35.51	19.59	33.01	-13.42	V
1880.0	-19.57	4.08	8.33	35.56	20.24	33.01	-12.77	V
1895.0	-20.48	4.14	8.26	35.63	19.27	33.01	-13.74	V

NR FDD Band 2_Channel Bandwidth 35MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-20.41	4.03	8.38	35.51	19.45	33.01	-13.56	V
1880.0	-21.36	4.08	8.33	35.56	18.45	33.01	-14.56	V
1895.0	-21.56	4.14	8.26	35.63	18.19	33.01	-14.82	V

NR FDD Band 2_Channel Bandwidth 40MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1870.0	-20.90	4.03	8.38	35.51	18.96	33.01	-14.05	V
1880.0	-20.85	4.08	8.33	35.56	18.96	33.01	-14.05	V
1890.0	-20.24	4.14	8.26	35.63	19.51	33.01	-13.50	V

NR FDD Band 5_Channel Bandwidth 5MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.5	-15.78	3.45	8.45	2.15	33.79	20.86	38.45	-17.59	V
836.5	-15.94	3.49	8.45	2.15	33.85	20.72	38.45	-17.73	V
846.5	-15.63	3.55	8.36	2.15	33.88	20.91	38.45	-17.54	V

NR FDD Band 5_Channel Bandwidth 10MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.0	-16.04	3.45	8.45	2.15	33.79	20.60	38.45	-17.85	V
836.5	-16.45	3.49	8.45	2.15	33.85	20.21	38.45	-18.24	V
844.0	-15.79	3.55	8.36	2.15	33.88	20.75	38.45	-17.70	V

NR FDD Band 5_Channel Bandwidth 15MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.5	-16.24	3.45	8.45	2.15	33.79	20.40	38.45	-18.05	V
836.5	-15.73	3.49	8.45	2.15	33.85	20.93	38.45	-17.52	V
841.5	-16.41	3.55	8.36	2.15	33.88	20.13	38.45	-18.32	V

NR FDD Band 5_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
834	-15.52	3.45	8.45	2.15	33.79	21.12	38.45	-17.33	V



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836.5	-15.61	3.49	8.45	2.15	33.85	21.05	38.45	-17.40	V
839	-15.87	3.55	8.36	2.15	33.88	20.67	38.45	-17.78	V

NR FDD Band 5_Channel Bandwidth 5MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.5	-16.78	3.45	8.45	2.15	33.79	19.86	38.45	-18.59	V
836.5	-17.09	3.49	8.45	2.15	33.85	19.57	38.45	-18.88	V
846.5	-17.47	3.55	8.36	2.15	33.88	19.07	38.45	-19.38	V

NR FDD Band 5_Channel Bandwidth 10MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.0	-17.45	3.45	8.45	2.15	33.79	19.19	38.45	-19.26	V
836.5	-17.36	3.49	8.45	2.15	33.85	19.30	38.45	-19.15	V
844.0	-16.59	3.55	8.36	2.15	33.88	19.95	38.45	-18.50	V

NR FDD Band 5_Channel Bandwidth 15MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.5	-16.83	3.45	8.45	2.15	33.79	19.81	38.45	-18.64	V
836.5	-16.71	3.49	8.45	2.15	33.85	19.95	38.45	-18.50	V
841.5	-17.33	3.55	8.36	2.15	33.88	19.21	38.45	-19.24	V

NR FDD Band 5_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
834	-16.51	3.45	8.45	2.15	33.79	20.13	38.45	-18.32	V
836.5	-16.65	3.49	8.45	2.15	33.85	20.01	38.45	-18.44	V
839	-17.32	3.55	8.36	2.15	33.88	19.22	38.45	-19.23	V

NR FDD Band 7_Channel Bandwidth 5MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2502.5	-18.03	4.32	6.8	36.14	20.59	33.01	-12.42	V
2535	-18.24	4.32	6.61	36.17	20.22	33.01	-12.79	V
2567.5	-18.78	4.33	6.57	36.22	19.68	33.01	-13.33	V

NR FDD Band 7_Channel Bandwidth 10MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2505.0	-18.43	4.32	6.8	36.14	20.19	33.01	-12.82	V
2535	-18.65	4.32	6.61	36.17	19.81	33.01	-13.20	V
2565.0	-18.70	4.33	6.57	36.22	19.76	33.01	-13.25	V

NR FDD Band 7_Channel Bandwidth 15MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2507.5	-18.70	4.32	6.8	36.14	19.92	33.01	-13.09	V





2535	-18.74	4.32	6.61	36.17	19.72	33.01	-13.29	V
2562.5	-18.01	4.33	6.57	36.22	20.45	33.01	-12.56	V

NR FDD Band 7_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2510.0	-18.54	4.32	6.8	36.14	20.08	33.01	-12.93	V
2535	-18.05	4.32	6.61	36.17	20.41	33.01	-12.60	V
2560.0	-18.75	4.33	6.57	36.22	19.71	33.01	-13.30	V

NR FDD Band 7_Channel Bandwidth 25MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2512.5	-18.93	4.32	6.8	36.14	19.69	33.01	-13.32	V
2535	-19.76	4.32	6.61	36.17	18.70	33.01	-14.31	V
2557.5	-19.88	4.33	6.57	36.22	18.58	33.01	-14.43	V

NR FDD Band 7_Channel Bandwidth 30MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2515.0	-19.36	4.32	6.8	36.14	19.26	33.01	-13.75	V
2535	-19.34	4.32	6.61	36.17	19.12	33.01	-13.89	V
2555.0	-19.54	4.33	6.57	36.22	18.92	33.01	-14.09	V

NR FDD Band 7_Channel Bandwidth 40MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2520.0	-19.41	4.32	6.8	36.14	19.21	33.01	-13.80	V
2535	-19.75	4.32	6.61	36.17	18.71	33.01	-14.30	V
2550.0	-19.52	4.33	6.57	36.22	18.94	33.01	-14.07	V

NR FDD Band 7_Channel Bandwidth 50MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2525	-19.11	4.32	6.8	36.14	19.51	33.01	-13.50	V
2535	-19.52	4.32	6.61	36.17	18.94	33.01	-14.07	V
2545	-19.80	4.33	6.57	36.22	18.66	33.01	-14.35	V

NR FDD Band 7_Channel Bandwidth 5MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2502.5	-18.58	4.32	6.8	36.14	20.04	33.01	-12.97	V
2535	-18.36	4.32	6.61	36.17	20.10	33.01	-12.91	V
2567.5	-18.94	4.33	6.57	36.22	19.52	33.01	-13.49	V

NR FDD Band 7_Channel Bandwidth 10MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2505.0	-18.30	4.32	6.8	36.14	20.32	33.01	-12.69	V



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2535	-18.61	4.32	6.61	36.17	19.85	33.01	-13.16	V
2565.0	-18.28	4.33	6.57	36.22	20.18	33.01	-12.83	V

NR FDD Band 7_Channel Bandwidth 15MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2507.5	-18.84	4.32	6.8	36.14	19.78	33.01	-13.23	V
2535	-18.95	4.32	6.61	36.17	19.51	33.01	-13.50	V
2562.5	-18.91	4.33	6.57	36.22	19.55	33.01	-13.46	V

NR FDD Band 7_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2510.0	-18.66	4.32	6.8	36.14	19.96	33.01	-13.05	V
2535	-18.11	4.32	6.61	36.17	20.35	33.01	-12.66	V
2560.0	-18.22	4.33	6.57	36.22	20.24	33.01	-12.77	V

NR FDD Band 7_Channel Bandwidth 25MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2512.5	-19.64	4.32	6.8	36.14	18.98	33.01	-14.03	V
2535	-19.11	4.32	6.61	36.17	19.35	33.01	-13.66	V
2557.5	-19.25	4.33	6.57	36.22	19.21	33.01	-13.80	V

NR FDD Band 7_Channel Bandwidth 30MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2515.0	-19.70	4.32	6.8	36.14	18.92	33.01	-14.09	V
2535	-19.32	4.32	6.61	36.17	19.14	33.01	-13.87	V
2555.0	-19.71	4.33	6.57	36.22	18.75	33.01	-14.26	V

NR FDD Band 7_Channel Bandwidth 40MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2520.0	-19.31	4.32	6.8	36.14	19.31	33.01	-13.70	V
2535	-19.09	4.32	6.61	36.17	19.37	33.01	-13.64	V
2550.0	-19.51	4.33	6.57	36.22	18.95	33.01	-14.06	V

NR FDD Band 7_Channel Bandwidth 50MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2525	-19.32	4.32	6.8	36.14	19.30	33.01	-13.71	V
2535	-19.89	4.32	6.61	36.17	18.57	33.01	-14.44	V
2545	-19.19	4.33	6.57	36.22	19.27	33.01	-13.74	V

NR FDD Band 25_Channel Bandwidth 5MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP	Limit (dBm)	Margin (dB)	Polarization
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					(dBm)			
1852.5	-17.06	4.03	8.38	35.51	22.80	33.01	-10.21	V
1882.5	-17.18	4.08	8.33	35.56	22.63	33.01	-10.38	V
1912.5	-19.52	4.14	8.26	35.63	20.23	33.01	-12.78	V

NR FDD Band 25_Channel Bandwidth 10MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-17.61	4.03	8.38	35.51	22.25	33.01	-10.76	V
1882.5	-19.18	4.08	8.33	35.56	20.63	33.01	-12.38	V
1910.0	-19.61	4.14	8.26	35.63	20.14	33.01	-12.87	V

NR FDD Band 25_Channel Bandwidth 15MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-17.86	4.03	8.38	35.51	22.00	33.01	-11.01	V
1882.5	-17.94	4.08	8.33	35.56	21.87	33.01	-11.14	V
1907.5	-18.46	4.14	8.26	35.63	21.29	33.01	-11.72	V

NR FDD Band 25_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-18.00	4.03	8.38	35.51	21.86	33.01	-11.15	V
1882.5	-17.42	4.08	8.33	35.56	22.39	33.01	-10.62	V
1905.0	-19.58	4.14	8.26	35.63	20.17	33.01	-12.84	V

NR FDD Band 25_Channel Bandwidth 25MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1862.5	-18.25	4.03	8.38	35.51	21.61	33.01	-11.40	V
1882.5	-18.02	4.08	8.33	35.56	21.79	33.01	-11.22	V
1902.5	-18.79	4.14	8.26	35.63	20.96	33.01	-12.05	V

NR FDD Band 25_Channel Bandwidth 30MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-17.02	4.03	8.38	35.51	22.84	33.01	-10.17	V
1882.5	-19.58	4.08	8.33	35.56	20.23	33.01	-12.78	V
1900.0	-19.96	4.14	8.26	35.63	19.79	33.01	-13.22	V

NR FDD Band 25_Channel Bandwidth 40MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1870.0	-17.31	4.03	8.38	35.51	22.55	33.01	-10.46	V
1882.5	-18.48	4.08	8.33	35.56	21.33	33.01	-11.68	V
1895.0	-18.00	4.14	8.26	35.63	21.75	33.01	-11.26	V



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**NR FDD Band 25_Channel Bandwidth 5MHz_CP-16QAM**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-19.62	4.03	8.38	35.51	20.24	33.01	-12.77	V
1882.5	-19.59	4.08	8.33	35.56	20.22	33.01	-12.79	V
1912.5	-19.26	4.14	8.26	35.63	20.49	33.01	-12.52	V

NR FDD Band 25_Channel Bandwidth 10MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-18.92	4.03	8.38	35.51	20.94	33.01	-12.07	V
1882.5	-18.61	4.08	8.33	35.56	21.20	33.01	-11.81	V
1910.0	-17.46	4.14	8.26	35.63	22.29	33.01	-10.72	V

NR FDD Band 25_Channel Bandwidth 15MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-17.26	4.03	8.38	35.51	22.60	33.01	-10.41	V
1882.5	-17.74	4.08	8.33	35.56	22.07	33.01	-10.94	V
1907.5	-17.36	4.14	8.26	35.63	22.39	33.01	-10.62	V

NR FDD Band 25_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-18.40	4.03	8.38	35.51	21.46	33.01	-11.55	V
1882.5	-18.09	4.08	8.33	35.56	21.72	33.01	-11.29	V
1905.0	-17.42	4.14	8.26	35.63	22.33	33.01	-10.68	V

NR FDD Band 25_Channel Bandwidth 25MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1862.5	-19.08	4.03	8.38	35.51	20.78	33.01	-12.23	V
1882.5	-18.36	4.08	8.33	35.56	21.45	33.01	-11.56	V
1902.5	-18.28	4.14	8.26	35.63	21.47	33.01	-11.54	V

NR FDD Band 25_Channel Bandwidth 30MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-17.13	4.03	8.38	35.51	22.73	33.01	-10.28	V
1882.5	-19.31	4.08	8.33	35.56	20.50	33.01	-12.51	V
1900.0	-18.33	4.14	8.26	35.63	21.42	33.01	-11.59	V

NR FDD Band 25_Channel Bandwidth 40MHz_CP-16QAM

Frequency	P _{Mea}	P _{cl}	G _a	P _{Aq}	Burst	Limit	Margin	Polarization
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(MHz)	(dBm)	(dB)	Antenna Gain(dB)	(dB)	Average EIRP (dBm)	(dBm)	(dB)	
1870.0	-19.15	4.03	8.38	35.51	20.71	33.01	-12.30	V
1882.5	-19.68	4.08	8.33	35.56	20.13	33.01	-12.88	V
1895.0	-19.60	4.14	8.26	35.63	20.15	33.01	-12.86	V

NR FDD Band 26: 814MHz~824MHz

NR FDD Band 26_Channel Bandwidth 5MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
816.50	-18.10	3.58	9.62	33.79	2.15	19.58	50.00	-30.42	V
819.00	-18.42	3.61	9.22	34.64	2.15	19.68	50.00	-30.32	V
821.50	-17.65	3.64	9.04	34.75	2.15	20.35	50.00	-29.65	V

NR FDD Band 26_Channel Bandwidth 10MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
819.00	-17.83	3.64	9.04	34.75	2.15	20.17	50.00	-29.83	V

NR FDD Band 26_Channel Bandwidth 5MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
816.50	-16.60	3.58	9.62	33.79	2.15	21.08	50.00	-28.92	V
819.00	-17.21	3.61	9.22	34.64	2.15	20.89	50.00	-29.11	V
821.50	-16.64	3.64	9.04	34.75	2.15	21.36	50.00	-28.64	V

NR FDD Band 26_Channel Bandwidth 10MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
819.00	-16.00	3.64	9.04	34.75	2.15	22.00	50.00	-28.00	V

NR FDD Band 26: 824MHz~849MHz

NR FDD Band 26_Channel Bandwidth 5MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-18.01	3.58	9.62	33.79	2.15	19.67	38.45	-18.78	V
836.50	-17.71	3.61	9.22	34.64	2.15	20.39	38.45	-18.06	V
846.50	-18.02	3.64	9.04	34.75	2.15	19.98	38.45	-18.47	V

NR FDD Band 26_Channel Bandwidth 10MHz_DFT-BPSK





Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-17.01	3.58	9.62	33.79	2.15	20.67	38.45	-17.78	V
836.50	-17.78	3.61	9.22	34.64	2.15	20.32	38.45	-18.13	V
844.00	-17.56	3.64	9.04	34.75	2.15	20.44	38.45	-18.01	V

NR FDD Band 26_Channel Bandwidth 15MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.50	-16.99	3.58	9.62	33.79	2.15	20.69	38.45	-17.76	V
836.50	-17.41	3.61	9.22	34.64	2.15	20.69	38.45	-17.76	V
841.50	-16.57	3.64	9.04	34.75	2.15	21.43	38.45	-17.02	V

NR FDD Band 26_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
834.0	-16.95	3.58	9.62	33.79	2.15	20.73	38.45	-17.72	V
836.50	-16.70	3.61	9.22	34.64	2.15	21.40	38.45	-17.05	V
839.0	-16.24	3.64	9.04	34.75	2.15	21.76	38.45	-16.69	V

NR FDD Band 26_Channel Bandwidth 5MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-16.39	3.58	9.62	33.79	2.15	21.29	38.45	-17.16	V
836.50	-16.00	3.61	9.22	34.64	2.15	22.10	38.45	-16.35	V
846.50	-16.41	3.64	9.04	34.75	2.15	21.59	38.45	-16.86	V

NR FDD Band 26_Channel Bandwidth 10MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-18.59	3.58	9.62	33.79	2.15	19.09	38.45	-19.36	V
836.50	-19.24	3.61	9.22	34.64	2.15	18.86	38.45	-19.59	V
844.00	-19.20	3.64	9.04	34.75	2.15	18.80	38.45	-19.65	V

NR FDD Band 26_Channel Bandwidth 15MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain (dB)	P _{Aq} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.50	-18.34	3.58	9.62	33.79	2.15	19.34	38.45	-19.11	V
836.50	-17.66	3.61	9.22	34.64	2.15	20.44	38.45	-18.01	V
841.50	-17.98	3.64	9.04	34.75	2.15	20.02	38.45	-18.43	V

NR FDD Band 26_Channel Bandwidth 20MHz_CP-16QAM

Frequency	P _{Mea}	P _{cl}	G _a	P _{Aq}	Correction	Burst	Limit	Margin	Polarization
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(MHz)	(dBm)	(dB)	Antenna Gain (dB)	(dB)	(dB)	Average ERP (dBm)	(dBm)	(dB)	
834.0	-17.02	3.58	9.62	33.79	2.15	20.66	38.45	-17.79	V
836.50	-17.13	3.61	9.22	34.64	2.15	20.97	38.45	-17.48	V
839.0	-17.94	3.64	9.04	34.75	2.15	20.06	38.45	-18.39	V

NR TDD Band 38_Channel Bandwidth 10MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2575	-18.41	4.34	6.88	36.20	20.33	33.01	-12.68	V
2595	-18.66	4.36	6.55	36.26	19.79	33.01	-13.22	V
2615	-18.10	4.47	6.35	36.50	20.28	33.01	-12.73	V

NR TDD Band 38_Channel Bandwidth 15MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2577.5	-18.49	4.34	6.88	36.20	20.25	33.01	-12.76	V
2595	-18.52	4.36	6.55	36.26	19.93	33.01	-13.08	V
2612.5	-18.61	4.47	6.35	36.50	19.77	33.01	-13.24	V

NR TDD Band 38_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2580.0	-18.81	4.34	6.88	36.20	19.93	33.01	-13.08	V
2595	-18.99	4.36	6.55	36.26	19.46	33.01	-13.55	V
2610.0	-18.61	4.47	6.35	36.50	19.77	33.01	-13.24	V

NR TDD Band 38_Channel Bandwidth 25MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2582.5	-18.39	4.34	6.88	36.20	20.35	33.01	-12.66	V
2595	-18.88	4.36	6.55	36.26	19.57	33.01	-13.44	V
2607.5	-18.37	4.47	6.35	36.50	20.01	33.01	-13.00	V

NR TDD Band 38_Channel Bandwidth 30MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2585.0	-19.32	4.34	6.88	36.20	19.42	33.01	-13.59	V
2595	-19.17	4.36	6.55	36.26	19.28	33.01	-13.73	V
2605.0	-19.54	4.47	6.35	36.50	18.84	33.01	-14.17	V

NR TDD Band 38_Channel Bandwidth 40MHz_DFT-BPSK

Frequency	P _{Mea}	P _{cl}	G _a	P _{Aq}	Burst	Limit	Margin	Polarization
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(MHz)	(dBm)	(dB)	Antenna Gain(dB)	(dB)	Average EIRP (dBm)	(dBm)	(dB)	
2590	-19.25	4.34	6.88	36.20	19.49	33.01	-13.52	V
2595	-19.21	4.36	6.55	36.26	19.24	33.01	-13.77	V
2600	-19.40	4.47	6.35	36.50	18.98	33.01	-14.03	V

NR TDD Band 38_Channel Bandwidth 10MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2575	-19.36	4.34	6.88	36.20	19.38	33.01	-13.63	V
2595	-19.09	4.36	6.55	36.26	19.36	33.01	-13.65	V
2615	-18.94	4.47	6.35	36.50	19.44	33.01	-13.57	V

NR TDD Band 38_Channel Bandwidth 15MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2577.5	-19.30	4.34	6.88	36.20	19.44	33.01	-13.57	V
2595	-19.68	4.36	6.55	36.26	18.77	33.01	-14.24	V
2612.5	-19.04	4.47	6.35	36.50	19.34	33.01	-13.67	V

NR TDD Band 38_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2580.0	-18.42	4.34	6.88	36.20	20.32	33.01	-12.69	V
2595	-18.12	4.36	6.55	36.26	20.33	33.01	-12.68	V
2610.0	-18.06	4.47	6.35	36.50	20.32	33.01	-12.69	V

NR TDD Band 38_Channel Bandwidth 25MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2582.5	-18.50	4.34	6.88	36.20	20.24	33.01	-12.77	V
2595	-18.52	4.36	6.55	36.26	19.93	33.01	-13.08	V
2607.5	-18.81	4.47	6.35	36.50	19.57	33.01	-13.44	V

NR TDD Band 38_Channel Bandwidth 30MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2585.0	-18.60	4.34	6.88	36.20	20.14	33.01	-12.87	V
2595	-18.62	4.36	6.55	36.26	19.83	33.01	-13.18	V
2605.0	-18.34	4.47	6.35	36.50	20.04	33.01	-12.97	V

NR TDD Band 38_Channel Bandwidth 40MHz_CP-16QAM

Frequency	P _{Mea}	P _{cl}	G _a	P _{Aq}	Burst	Limit	Margin	Polarization
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(MHz)	(dBm)	(dB)	Antenna Gain(dB)	(dB)	Average EIRP (dBm)	(dBm)	(dB)	
2590	-18.55	4.34	6.88	36.20	20.19	33.01	-12.82	V
2595	-18.79	4.36	6.55	36.26	19.66	33.01	-13.35	V
2600	-18.15	4.47	6.35	36.50	20.23	33.01	-12.78	V

NR TDD Band 41_Channel Bandwidth 10MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2501.01	-18.36	4.32	6.8	36.13	20.25	33.01	-12.76	V
2592.99	-18.41	4.36	6.55	36.26	20.04	33.01	-12.97	V
2685.00	-18.49	4.51	6.37	36.54	19.91	33.01	-13.10	V

NR TDD Band 41_Channel Bandwidth 15MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2503.50	-18.43	4.32	6.8	36.13	20.18	33.01	-12.83	V
2592.99	-18.86	4.36	6.55	36.26	19.59	33.01	-13.42	V
2682.48	-18.72	4.51	6.37	36.54	19.68	33.01	-13.33	V

NR TDD Band 41_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2506.02	-18.39	4.32	6.8	36.13	20.22	33.01	-12.79	V
2592.99	-18.87	4.36	6.55	36.26	19.58	33.01	-13.43	V
2679.99	-18.31	4.51	6.37	36.54	20.09	33.01	-12.92	V

NR TDD Band 41_Channel Bandwidth 30MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2511.00	-18.69	4.32	6.8	36.13	19.92	33.01	-13.09	V
2592.99	-18.45	4.36	6.55	36.26	20.00	33.01	-13.01	V
2674.98	-18.46	4.51	6.37	36.54	19.94	33.01	-13.07	V

NR TDD Band 41_Channel Bandwidth 40MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2516.01	-18.96	4.32	6.8	36.13	19.65	33.01	-13.36	V
2592.99	-19.28	4.36	6.55	36.26	19.17	33.01	-13.84	V
2670.00	-19.62	4.51	6.37	36.54	18.78	33.01	-14.23	V

NR TDD Band 41_Channel Bandwidth 50MHz_DFT-BPSK



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Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2521.02	-19.16	4.32	6.8	36.13	19.45	33.01	-13.56	V
2592.99	-19.64	4.36	6.55	36.26	18.81	33.01	-14.20	V
2664.99	-19.02	4.51	6.37	36.54	19.38	33.01	-13.63	V

NR TDD Band 41_Channel Bandwidth 60MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2526.00	-19.52	4.32	6.8	36.13	19.09	33.01	-13.92	V
2592.99	-18.96	4.36	6.55	36.26	19.49	33.01	-13.52	V
2659.98	-19.72	4.51	6.37	36.54	18.68	33.01	-14.33	V

NR TDD Band 41_Channel Bandwidth 70MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2531.01	-19.12	4.32	6.8	36.13	19.49	33.01	-13.52	V
2592.99	-19.18	4.36	6.55	36.26	19.27	33.01	-13.74	V
2655.00	-19.24	4.51	6.37	36.54	19.16	33.01	-13.85	V

NR TDD Band 41_Channel Bandwidth 80MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2536.02	-18.30	4.32	6.8	36.13	20.31	33.01	-12.70	V
2592.99	-18.33	4.36	6.55	36.26	20.12	33.01	-12.89	V
2649.99	-18.21	4.51	6.37	36.54	20.19	33.01	-12.82	V

NR TDD Band 41_Channel Bandwidth 90MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2541.00	-18.90	4.32	6.8	36.13	19.71	33.01	-13.30	V
2592.99	-18.88	4.36	6.55	36.26	19.57	33.01	-13.44	V
2644.98	-18.30	4.51	6.37	36.54	20.10	33.01	-12.91	V

NR TDD Band 41_Channel Bandwidth 100MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2546.01	-18.87	4.32	6.8	36.13	19.74	33.01	-13.27	V
2592.99	-18.15	4.36	6.55	36.26	20.30	33.01	-12.71	V
2640	-18.12	4.51	6.37	36.54	20.28	33.01	-12.73	V

NR TDD Band 41_Channel Bandwidth 10MHz_CP-16QAM





Frequency (MHz)	P _{Mea} (dBm)	P _{Cl} (dB)	G _a Antenna Gain(dB)	P _{AQ} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2501.01	-18.01	4.32	6.8	36.13	20.60	33.01	-12.41	V
2592.99	-18.79	4.36	6.55	36.26	19.66	33.01	-13.35	V
2685.00	-18.69	4.51	6.37	36.54	19.71	33.01	-13.30	V

NR TDD Band 41_Channel Bandwidth 15MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{Cl} (dB)	G _a Antenna Gain(dB)	P _{AQ} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2503.50	-19.57	4.32	6.8	36.13	19.04	33.01	-13.97	V
2592.99	-19.36	4.36	6.55	36.26	19.09	33.01	-13.92	V
2682.48	-19.43	4.51	6.37	36.54	18.97	33.01	-14.04	V

NR TDD Band 41_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{Cl} (dB)	G _a Antenna Gain(dB)	P _{AQ} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2506.02	-19.14	4.32	6.8	36.13	19.47	33.01	-13.54	V
2592.99	-19.31	4.36	6.55	36.26	19.14	33.01	-13.87	V
2679.99	-18.97	4.51	6.37	36.54	19.43	33.01	-13.58	V

NR TDD Band 41_Channel Bandwidth 30MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{Cl} (dB)	G _a Antenna Gain(dB)	P _{AQ} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2511.00	-19.35	4.32	6.8	36.13	19.26	33.01	-13.75	V
2592.99	-19.55	4.36	6.55	36.26	18.90	33.01	-14.11	V
2674.98	-19.53	4.51	6.37	36.54	18.87	33.01	-14.14	V

NR TDD Band 41_Channel Bandwidth 40MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{Cl} (dB)	G _a Antenna Gain(dB)	P _{AQ} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2516.01	-19.21	4.32	6.8	36.13	19.40	33.01	-13.61	V
2592.99	-19.14	4.36	6.55	36.26	19.31	33.01	-13.70	V
2670.00	-19.51	4.51	6.37	36.54	18.89	33.01	-14.12	V

NR TDD Band 41_Channel Bandwidth 50MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{Cl} (dB)	G _a Antenna Gain(dB)	P _{AQ} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2521.02	-18.12	4.32	6.8	36.13	20.49	33.01	-12.52	V
2592.99	-18.64	4.36	6.55	36.26	19.81	33.01	-13.20	V
2664.99	-18.70	4.51	6.37	36.54	19.70	33.01	-13.31	V

NR TDD Band 41_Channel Bandwidth 60MHz_CP-16QAM





Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2526.00	-18.52	4.32	6.8	36.13	20.09	33.01	-12.92	V
2592.99	-18.96	4.36	6.55	36.26	19.49	33.01	-13.52	V
2659.98	-18.82	4.51	6.37	36.54	19.58	33.01	-13.43	V

NR TDD Band 41_Channel Bandwidth 70MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2531.01	-18.23	4.32	6.8	36.13	20.38	33.01	-12.63	V
2592.99	-18.11	4.36	6.55	36.26	20.34	33.01	-12.67	V
2655.00	-18.47	4.51	6.37	36.54	19.93	33.01	-13.08	V

NR TDD Band 41_Channel Bandwidth 80MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2536.02	-18.55	4.32	6.8	36.13	20.06	33.01	-12.95	V
2592.99	-18.48	4.36	6.55	36.26	19.97	33.01	-13.04	V
2649.99	-18.99	4.51	6.37	36.54	19.41	33.01	-13.60	V

NR TDD Band 41_Channel Bandwidth 90MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2541.00	-19.22	4.32	6.8	36.13	19.39	33.01	-13.62	V
2592.99	-19.45	4.36	6.55	36.26	19.00	33.01	-14.01	V
2644.98	-19.01	4.51	6.37	36.54	19.39	33.01	-13.62	V

NR TDD Band 41_Channel Bandwidth 100MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2546.01	-19.28	4.32	6.8	36.13	19.33	33.01	-13.68	V
2592.99	-19.68	4.36	6.55	36.26	18.77	33.01	-14.24	V
2640	-19.30	4.51	6.37	36.54	19.10	33.01	-13.91	V

NR FDD Band 66_Channel Bandwidth 5MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.5	-18.63	3.93	9.05	34.96	21.45	30.00	-8.55	V
1745.0	-18.62	3.93	8.89	35.01	21.35	30.00	-8.65	V
1777.5	-19.06	3.94	8.76	35.08	20.84	30.00	-9.16	V



**NR FDD Band 66_Channel Bandwidth 10MHz_DFT-BPSK**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.0	-19.26	3.93	9.05	34.96	20.82	30.00	-9.18	V
1745.0	-19.24	3.93	8.89	35.01	20.73	30.00	-9.27	V
1775.0	-18.92	3.94	8.76	35.08	20.98	30.00	-9.02	V

NR FDD Band 66_Channel Bandwidth 15MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.5	-18.65	3.93	9.05	34.96	21.43	30.00	-8.57	V
1745.0	-18.90	3.93	8.89	35.01	21.07	30.00	-8.93	V
1772.5	-18.83	3.94	8.76	35.08	21.07	30.00	-8.93	V

NR FDD Band 66_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.0	-19.67	3.93	9.05	34.96	20.41	30.00	-9.59	V
1745.0	-19.05	3.93	8.89	35.01	20.92	30.00	-9.08	V
1770.0	-19.49	3.94	8.76	35.08	20.41	30.00	-9.59	V

NR FDD Band 66_Channel Bandwidth 25MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1722.5	-19.00	3.93	9.05	34.96	21.08	30.00	-8.92	V
1745.0	-18.69	3.93	8.89	35.01	21.28	30.00	-8.72	V
1767.5	-18.67	3.94	8.76	35.08	21.23	30.00	-8.77	V

NR FDD Band 66_Channel Bandwidth 30MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1725.0	-19.78	3.93	9.05	34.96	20.30	30.00	-9.70	V
1745.0	-19.14	3.93	8.89	35.01	20.83	30.00	-9.17	V
1765.0	-19.12	3.94	8.76	35.08	20.78	30.00	-9.22	V

NR FDD Band 66_Channel Bandwidth 40MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1730.0	-19.15	3.93	9.05	34.96	20.93	30.00	-9.07	V
1745.0	-19.51	3.93	8.89	35.01	20.46	30.00	-9.54	V
1760.0	-19.06	3.94	8.76	35.08	20.84	30.00	-9.16	V

NR FDD Band 66_Channel Bandwidth 5MHz_CP-16QAM



Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.5	-19.35	3.93	9.05	34.96	20.73	30.00	-9.27	V
1745.0	-19.36	3.93	8.89	35.01	20.61	30.00	-9.39	V
1777.5	-18.97	3.94	8.76	35.08	20.93	30.00	-9.07	V

NR FDD Band 66_Channel Bandwidth 10MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.0	-19.34	3.93	9.05	34.96	20.74	30.00	-9.26	V
1745.0	-18.94	3.93	8.89	35.01	21.03	30.00	-8.97	V
1775.0	-19.86	3.94	8.76	35.08	20.04	30.00	-9.96	V

NR FDD Band 66_Channel Bandwidth 15MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.5	-19.18	3.93	9.05	34.96	20.90	30.00	-9.10	V
1745.0	-18.92	3.93	8.89	35.01	21.05	30.00	-8.95	V
1772.5	-18.67	3.94	8.76	35.08	21.23	30.00	-8.77	V

NR FDD Band 66_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.0	-19.76	3.93	9.05	34.96	20.32	30.00	-9.68	V
1745.0	-19.50	3.93	8.89	35.01	20.47	30.00	-9.53	V
1770.0	-19.36	3.94	8.76	35.08	20.54	30.00	-9.46	V

NR FDD Band 66_Channel Bandwidth 25MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1722.5	-18.80	3.93	9.05	34.96	21.28	30.00	-8.72	V
1745.0	-18.65	3.93	8.89	35.01	21.32	30.00	-8.68	V
1767.5	-18.98	3.94	8.76	35.08	20.92	30.00	-9.08	V

NR FDD Band 66_Channel Bandwidth 30MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1725.0	-18.93	3.93	9.05	34.96	21.15	30.00	-8.85	V
1745.0	-19.05	3.93	8.89	35.01	20.92	30.00	-9.08	V
1765.0	-18.86	3.94	8.76	35.08	21.04	30.00	-8.96	V

NR FDD Band 66_Channel Bandwidth 40MHz_CP-16QAM

Frequency	P _{Mea}	P _{cl}	G _a	P _{Aq}	Burst	Limit	Margin	Polarization
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Scan code to check authenticity



(MHz)	(dBm)	(dB)	Antenna Gain(dB)	(dB)	Average EIRP (dBm)	(dBm)	(dB)	
1730.0	-19.46	3.93	9.05	34.96	20.62	30.00	-9.38	V
1745.0	-19.10	3.93	8.89	35.01	20.87	30.00	-9.13	V
1760.0	-19.49	3.94	8.76	35.08	20.41	30.00	-9.59	V

NR FDD Band 71_Channel Bandwidth 5MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
665.5	-16.18	3.45	8.45	2.15	33.52	20.19	34.77	-14.58	V
680.5	-16.06	3.49	8.45	2.15	33.52	20.27	34.77	-14.50	V
695.5	-15.60	3.55	8.36	2.15	33.52	20.58	34.77	-14.19	V

NR FDD Band 71_Channel Bandwidth 10MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
668.0	-15.59	3.45	8.45	2.15	33.52	20.78	34.77	-13.99	V
680.5	-15.79	3.49	8.45	2.15	33.52	20.54	34.77	-14.23	V
693.0	-16.20	3.55	8.36	2.15	33.52	19.98	34.77	-14.79	V

NR FDD Band 71_Channel Bandwidth 15MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
670.5	-16.01	3.45	8.45	2.15	33.52	20.36	34.77	-14.41	V
680.5	-15.54	3.49	8.45	2.15	33.52	20.79	34.77	-13.98	V
690.5	-15.84	3.55	8.36	2.15	33.52	20.34	34.77	-14.43	V

NR FDD Band 71_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
673.0	-15.56	3.45	8.45	2.15	33.52	20.81	34.77	-13.96	V
680.5	-15.87	3.49	8.45	2.15	33.52	20.46	34.77	-14.31	V
688.0	-16.01	3.55	8.36	2.15	33.52	20.17	34.77	-14.60	V

NR FDD Band 71_Channel Bandwidth 5MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
665.5	-16.14	3.45	8.45	2.15	33.52	20.23	34.77	-14.54	V
680.5	-15.83	3.49	8.45	2.15	33.52	20.50	34.77	-14.27	V
695.5	-16.13	3.55	8.36	2.15	33.52	20.05	34.77	-14.72	V

NR FDD Band 71_Channel Bandwidth 10MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
668.0	-15.70	3.45	8.45	2.15	33.52	20.67	34.77	-14.10	V
680.5	-16.41	3.49	8.45	2.15	33.52	19.92	34.77	-14.85	V
693.0	-16.03	3.55	8.36	2.15	33.52	20.15	34.77	-14.62	V

NR FDD Band 71_Channel Bandwidth 15MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna	Correction (dB)	P _{Aq} (dB)	Peak ERP	Limit (dBm)	Margin (dB)	Polarization
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			Gain(dB)			(dBm)			
670.5	-15.93	3.45	8.45	2.15	33.52	20.44	34.77	-14.33	V
680.5	-16.17	3.49	8.45	2.15	33.52	20.16	34.77	-14.61	V
690.5	-16.36	3.55	8.36	2.15	33.52	19.82	34.77	-14.95	V

NR FDD Band 71_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
673.0	-15.56	3.45	8.45	2.15	33.52	20.81	34.77	-13.96	V
680.5	-16.00	3.49	8.45	2.15	33.52	20.33	34.77	-14.44	V
688.0	-16.38	3.55	8.36	2.15	33.52	19.80	34.77	-14.97	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.02	-18.84	4.62	7.42	37.02	20.98	30.00	-9.02	V
3499.98	-19.46	4.68	7.52	37.21	20.59	30.00	-9.41	V
3540.00	-18.69	4.71	7.61	37.25	21.46	30.00	-8.54	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 50MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3475.02	-19.01	4.62	7.42	37.02	20.81	30.00	-9.19	V
3499.98	-19.89	4.68	7.52	37.21	20.16	30.00	-9.84	V
3525.00	-19.19	4.71	7.61	37.25	20.96	30.00	-9.04	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 100MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3499.98	-18.83	4.68	7.52	37.21	21.22	30.00	-8.78	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.02	-19.02	4.62	7.42	37.02	20.80	30.00	-9.20	V
3499.98	-19.09	4.68	7.52	37.21	20.96	30.00	-9.04	V
3540.00	-19.87	4.71	7.61	37.25	20.28	30.00	-9.72	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 50MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3475.02	-18.65	4.62	7.42	37.02	21.17	30.00	-8.83	V
3499.98	-18.74	4.68	7.52	37.21	21.31	30.00	-8.69	V
3525.00	-18.79	4.71	7.61	37.25	21.36	30.00	-8.64	V



**NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 100MHz_CP-16QAM**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3499.98	-19.28	4.68	7.52	37.21	20.77	30.00	-9.23	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 20MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.01	-19.01	4.71	7.68	37.32	21.28	30.00	-8.72	V
3840.00	-18.86	4.74	7.71	37.36	21.47	30.00	-8.53	V
3969.99	-19.28	4.77	7.74	37.46	21.15	30.00	-8.85	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 50MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3725.01	-19.43	4.71	7.68	37.32	20.86	30.00	-9.14	V
3840.00	-19.37	4.74	7.71	37.36	20.96	30.00	-9.04	V
3954.99	-19.45	4.77	7.74	37.46	20.98	30.00	-9.02	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 100MHz_DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3750	-19.21	4.71	7.68	37.32	21.08	30.00	-8.92	V
3840	-18.92	4.74	7.71	37.36	21.41	30.00	-8.59	V
3930	-18.82	4.77	7.74	37.46	21.61	30.00	-8.39	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 20MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.01	-19.05	4.71	7.68	37.32	21.24	30.00	-8.76	V
3840.00	-18.97	4.74	7.71	37.36	21.36	30.00	-8.64	V
3969.99	-19.24	4.77	7.74	37.46	21.19	30.00	-8.81	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 50MHz_CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3725.01	-19.14	4.71	7.68	37.32	21.15	30.00	-8.85	V
3840.00	-19.40	4.74	7.71	37.36	20.93	30.00	-9.07	V
3954.99	-18.74	4.77	7.74	37.46	21.69	30.00	-8.31	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 100MHz_CP-16QAM



Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3750	-19.13	4.71	7.68	37.32	21.16	30.00	-8.84	V
3840	-19.79	4.74	7.71	37.36	20.54	30.00	-9.46	V
3930	-19.79	4.77	7.74	37.46	20.64	30.00	-9.36	V

NR TDD Band 78(3450-3550 MHz) Channel Bandwidth 20MHz DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.02	-18.67	4.62	7.42	37.02	21.15	30.00	-8.85	V
3499.98	-18.65	4.68	7.52	37.21	21.40	30.00	-8.60	V
3540.00	-18.93	4.71	7.61	37.25	21.22	30.00	-8.78	V

NR TDD Band 78(3450-3550 MHz) Channel Bandwidth 50MHz DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3475.02	-19.12	4.62	7.42	37.02	20.70	30.00	-9.30	V
3499.98	-19.15	4.68	7.52	37.21	20.90	30.00	-9.10	V
3525.00	-19.58	4.71	7.61	37.25	20.57	30.00	-9.43	V

NR TDD Band 78(3450-3550 MHz) Channel Bandwidth 100MHz DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3499.98	-18.51	4.68	7.52	37.21	21.54	30.00	-8.46	V

NR TDD Band 78(3450-3550 MHz) Channel Bandwidth 20MHz CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.02	-18.94	4.62	7.42	37.02	20.88	30.00	-9.12	V
3499.98	-19.35	4.68	7.52	37.21	20.70	30.00	-9.30	V
3540.00	-19.44	4.71	7.61	37.25	20.71	30.00	-9.29	V

NR TDD Band 78(3450-3550 MHz) Channel Bandwidth 50MHz CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3475.02	-18.97	4.62	7.42	37.02	20.85	30.00	-9.15	V
3499.98	-19.40	4.68	7.52	37.21	20.65	30.00	-9.35	V
3525.00	-18.59	4.71	7.61	37.25	21.56	30.00	-8.44	V

NR TDD Band 78(3450-3550 MHz) Channel Bandwidth 100MHz CP-16QAM

Frequency	P _{Mea}	P _{cl}	G _a	P _{Aq}	Burst	Limit	Margin	Polarization
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(MHz)	(dBm)	(dB)	Antenna Gain(dB)	(dB)	Average EIRP (dBm)	(dBm)	(dB)	
3499.98	-19.55	4.68	7.52	37.21	20.50	30.00	-9.50	V

NR TDD Band 78(3700-3800 MHz) Channel Bandwidth 20MHz DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.01	-18.80	4.7	7.36	37.08	20.94	30.00	-9.06	V
3750.00	-19.32	4.72	7.45	37.19	20.60	30.00	-9.40	V
3789.99	-19.26	4.75	7.47	37.2	20.66	30.00	-9.34	V

NR TDD Band 78(3700-3800 MHz) Channel Bandwidth 50MHz DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3725.01	-19.86	4.7	7.36	37.08	19.88	30.00	-10.12	V
3750.00	-19.22	4.72	7.45	37.19	20.70	30.00	-9.30	V
3774.99	-19.01	4.75	7.47	37.2	20.91	30.00	-9.09	V

NR TDD Band 78(3700-3800 MHz) Channel Bandwidth 100MHz DFT-BPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3750	-19.05	4.72	7.45	37.19	20.87	30.00	-9.13	V

NR TDD Band 78(3700-3800 MHz) Channel Bandwidth 20MHz CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.01	-19.60	4.7	7.36	37.08	20.14	30.00	-9.86	V
3750.00	-19.00	4.72	7.45	37.19	20.92	30.00	-9.08	V
3789.99	-19.11	4.75	7.47	37.2	20.81	30.00	-9.19	V

NR TDD Band 78(3700-3800 MHz) Channel Bandwidth 50MHz CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3725.01	-19.17	4.7	7.36	37.08	20.57	30.00	-9.43	V
3750.00	-19.44	4.72	7.45	37.19	20.48	30.00	-9.52	V
3774.99	-18.84	4.75	7.47	37.2	21.08	30.00	-8.92	V

NR TDD Band 78(3700-3800 MHz) Channel Bandwidth 100MHz CP-16QAM

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3750	-19.69	4.72	7.45	37.19	20.23	30.00	-9.77	V

Note: All Modulation were tested and the report only recorded the worst modulation of DFT-BPSK&CP-16QAM



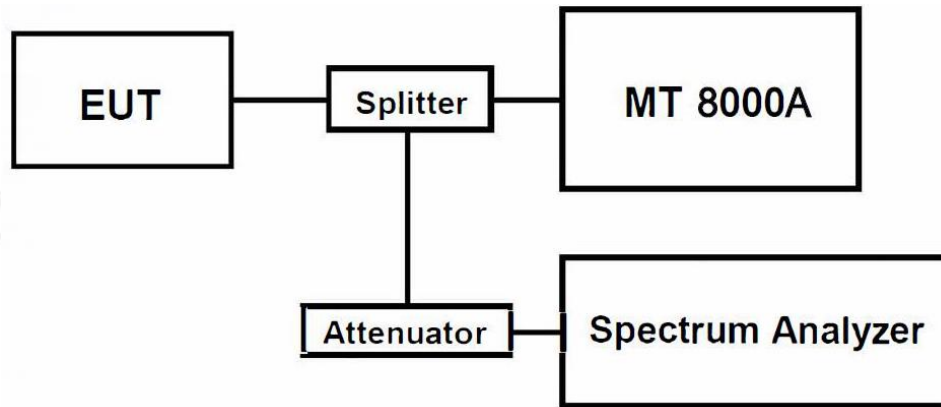


4.2 Peak-to-Average Ratio (PAR)

LIMIT

The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 dB.

TEST CONFIGURATION



TEST PROCEDURE

1. Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
2. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
3. Set the number of counts to a value that stabilizes the measured CCDF curve;
4. Set the measurement interval as follows:
 - 1). for continuous transmissions, set to 1 ms,
 - 2). for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
5. Record the maximum PAPR level associated with a probability of 0.1%.

TEST RESULTS

Remark:

1. We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.
2. For NR Band 2, please refer to Appendix_a: Section a.2
3. For NR Band 5, please refer to Appendix_b: Section b.2
4. For NR Band 7, please refer to Appendix_c: Section c.2
5. For NR Band 25, please refer to Appendix_d: Section d.2
6. For NR Band 26, please refer to Appendix_e&f: Section e&f.2
7. For NR Band 38, please refer to Appendix_g: Section g.2
8. For NR Band 41, please refer to Appendix_h: Section h.2
9. For NR Band 66, please refer to Appendix_i: Section i.2
10. For NR Band 71, please refer to Appendix_j: Section j.2
11. NR Band 77, please refer to Appendix_k&l: Section k&l.2
12. NR Band 78, please refer to Appendix_m&n: Section m&n.2



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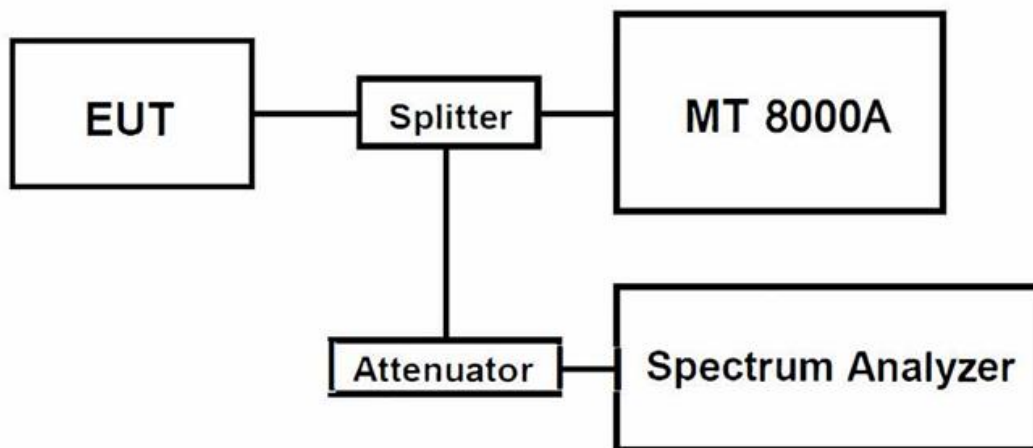


4.3 Occupied Bandwidth and Emission Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at low, middle and high channel in each band. The -26dBc Emission bandwidth was also measured and recorded.

Set RBW was set to about 1% of emission BW, VBW $\geq$ 3 times RBW.

-26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

TEST RESULTS

Remark:

1. We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.
2. For NR Band 2, please refer to Appendix_a: Section a.3&4
3. For NR Band 5, please refer to Appendix_b: Section b.3&4
4. For NR Band 7, please refer to Appendix_c: Section c.3&4
5. For NR Band 25, please refer to Appendix_d: Section d.3&4
6. For NR Band 26, please refer to Appendix_e&f: Section e&f.3&4
7. For NR Band 38, please refer to Appendix_g: Section g.3&4
8. For NR Band 41, please refer to Appendix_h: Section h.3&4
9. For NR Band 66, please refer to Appendix_i: Section i.3&4
10. For NR Band 71, please refer to Appendix_j: Section j.3&4
11. NR Band 77, please refer to Appendix_k&l: Section k&l.3&4
12. NR Band 78, please refer to Appendix_m&n: Section m&n.3&4





4.4 Band Edge compliance

LIMIT

For NR FDD Band 2: Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For NR Band 5: Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For NR Band 7: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:

- $40 + 10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
 - $43 + 10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
 - $55 + 10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
- In addition, the attenuation factor (fixed limit) shall not be less than:
- $43 + 10\log P$ dB on all frequencies between 2490.5 MHz and 2496 MHz, and
 - $55 + 10\log P$ dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For LTE FDD Band 25: Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For LTE FDD Band 26: Per FCC §90.669 the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation.

Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For NR Band 38: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:

- $40 + 10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
 - $43 + 10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
 - $55 + 10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
- In addition, the attenuation factor (fixed limit) shall not be less than:
- $43 + 10\log P$ dB on all frequencies between 2490.5 MHz and 2496 MHz, and
 - $55 + 10\log P$ dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For NR Band 41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495 - 2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495 - 2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the



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actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Show citation box.

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB.

For LTE FDD Band 71: Per §27.53(g): For operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

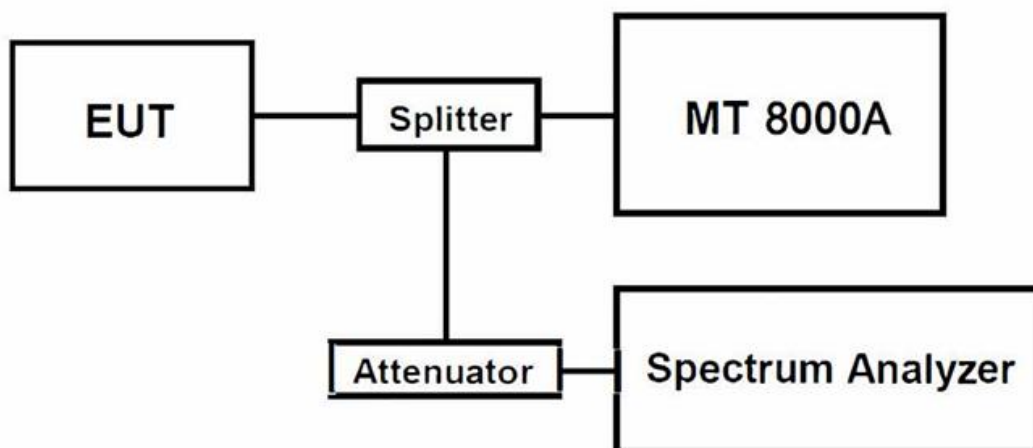
For NR Band 77: FCC § 27.53(l) (2) For mobile operations in the 3700–3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(n) (2) For mobile operations in the 3450–3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

For NR Band 78: FCC § 27.53(l) (2) For mobile operations in the 3700–3800 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(n) (2) For mobile operations in the 3450–3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output port was connected to base station.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement.
3. Set EUT at maximum power through base station.
4. Select lowest and highest channels for each band and different modulation.
5. Measure Band edge using RMS (Average) detector by spectrum



**TEST RESULTS****Remark:**

1. We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71, NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71, NR Band 77, NR Band 78.
2. For NR Band 2, please refer to Appendix_a: Section a.5
3. For NR Band 5, please refer to Appendix_b: Section b.5
4. For NR Band 7, please refer to Appendix_c: Section c.5
5. For NR Band 25, please refer to Appendix_d: Section d.5
6. For NR Band 26, please refer to Appendix_e&f: Section e&f.5
7. For NR Band 38, please refer to Appendix_g: Section g.5
8. For NR Band 41, please refer to Appendix_h: Section h.5
9. For NR Band 66, please refer to Appendix_i: Section i.5
10. For NR Band 71, please refer to Appendix_j: Section j.5
11. NR Band 77, please refer to Appendix_k&l: Section k&l.5
12. NR Band 78, please refer to Appendix_m&n: Section m&n.5



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4.5 Spurious Emission on Antenna Port

LIMIT

For NR FDD Band 2: Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For NR Band 5: Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For NR Band 7: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:

- $40 + 10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
 - $43 + 10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
 - $55 + 10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
- In addition, the attenuation factor (fixed limit) shall not be less than:
- $43 + 10\log P$ dB on all frequencies between 2490.5 MHz and 2496 MHz, and
 - $55 + 10\log P$ dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For LTE FDD Band 25: Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For LTE FDD Band 26: Per FCC §90.669 the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation.

Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For NR Band 38: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:

- $40 + 10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
 - $43 + 10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
 - $55 + 10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
- In addition, the attenuation factor (fixed limit) shall not be less than:
- $43 + 10\log P$ dB on all frequencies between 2490.5 MHz and 2496 MHz, and
 - $55 + 10\log P$ dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For NR Band 41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495 - 2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495 - 2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the





actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Show citation box.

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB.

For LTE FDD Band 71: Per §27.53(g): For operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

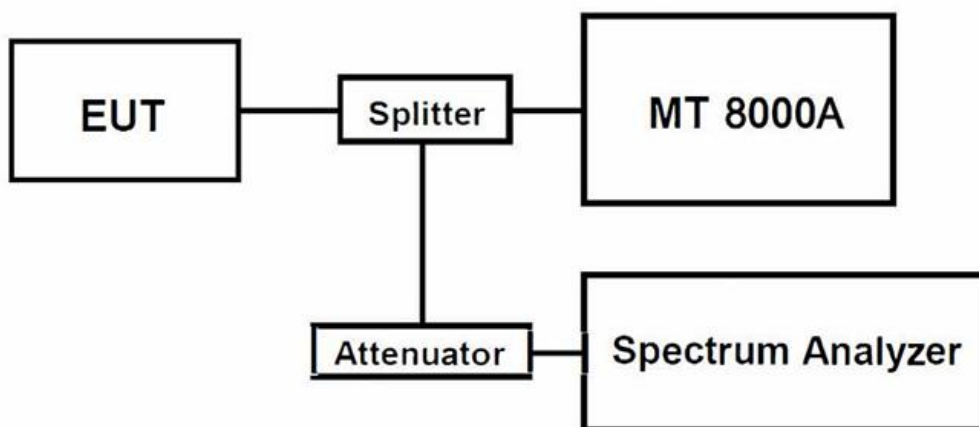
For NR Band 77: FCC § 27.53(l) (2) For mobile operations in the 3700–3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(n) (2) For mobile operations in the 3450–3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

For NR Band 78: FCC § 27.53(l) (2) For mobile operations in the 3700–3800 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(n) (2) For mobile operations in the 3450–3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to TIA-603-E

- Place the EUT on a bench and set it in transmitting mode.
- Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW 500 by a Directional Couple.
- EUT Communicate with CMW 500, then select a channel for testing.
- Add a correction factor to the display of spectrum, and then test.
- The resolution bandwidth of the spectrum analyzer was set sufficient scans were taken to show the out of band Emission if any up to 10th harmonic.
- Please refer to following tables for test antenna conducted emissions.





Working Frequency	Sub range (GHz)	RBW	VBW	Sweep time (s)
NR Band 2	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100 MHz	300 MHz	Auto
	1~20	1 MHz	1 MHz	Auto
NR Band 5	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3MHz	Auto
NR Band 7	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26	1 MHz	3 MHz	Auto
NR Band 25	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~20	1 MHz	3 MHz	Auto
NR Band 26	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3 MHz	Auto
NR Band 38	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26.5	1 MHz	3 MHz	Auto
NR Band 41	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26.5	1 MHz	3 MHz	Auto
NR Band 66	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~20	1 MHz	3 MHz	Auto
NR Band 71	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3 MHz	Auto
NR Band 77	0.00009~0.15	1KHz	3KHz	Auto
	0.00015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~40	1 MHz	3 MHz	Auto
NR Band 78	0.00009~0.15	1KHz	3KHz	Auto
	0.00015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~38	1 MHz	3 MHz	Auto



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TEST RESULTS

Remark:

1. We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.
2. For NR Band 2, please refer to Appendix_a: Section a.6
3. For NR Band 5, please refer to Appendix_b: Section b.6
4. For NR Band 7, please refer to Appendix_c: Section c.6
5. For NR Band 25, please refer to Appendix_d: Section d.6
6. For NR Band 26, please refer to Appendix_e&f: Section e&f.6
7. For NR Band 38, please refer to Appendix_g: Section g.6
8. For NR Band 41, please refer to Appendix_h: Section h.6
9. For NR Band 66, please refer to Appendix_i: Section i.6
10. For NR Band 71, please refer to Appendix_j: Section j.6
11. NR Band 77, please refer to Appendix_k&l: Section k&l.6
12. NR Band 78, please refer to Appendix_m&n: Section m&n.6



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4.6 Radiated Spurious Emission

LIMIT

For NR FDD Band 2: Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For NR Band 5: Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For NR Band 7: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:

- $40 + 10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
 - $43 + 10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
 - $55 + 10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
- In addition, the attenuation factor (fixed limit) shall not be less than:
- $43 + 10\log P$ dB on all frequencies between 2490.5 MHz and 2496 MHz, and
 - $55 + 10\log P$ dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For LTE FDD Band 25: Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For LTE FDD Band 26: Per FCC §90.669 the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation.

Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

For NR Band 38: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:

- $40 + 10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
 - $43 + 10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
 - $55 + 10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
- In addition, the attenuation factor (fixed limit) shall not be less than:
- $43 + 10\log P$ dB on all frequencies between 2490.5 MHz and 2496 MHz, and
 - $55 + 10\log P$ dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For NR Band 41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495 - 2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495 - 2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the



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actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Show citation box.

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB.

For LTE FDD Band 71: Per §27.53(g): For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

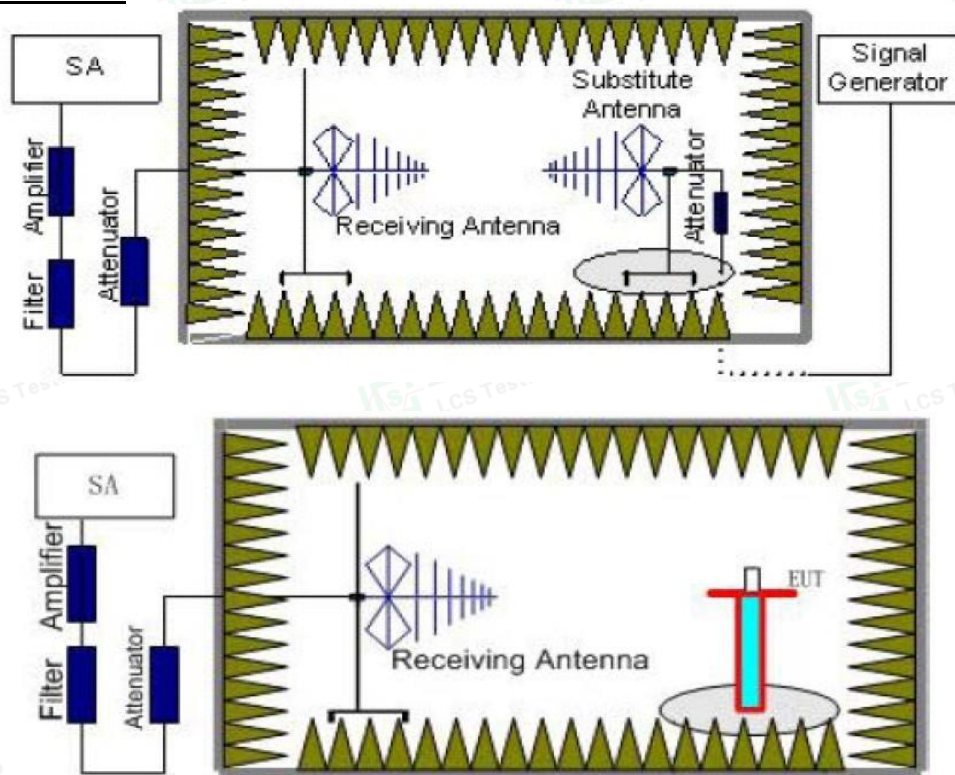
For NR Band 77: FCC § 27.53(l) (2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(n) (2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

For NR Band 78: FCC § 27.53(l) (2) For mobile operations in the 3700-3800 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(n) (2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

TEST CONFIGURATION



**TEST PROCEDURE**

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna. In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}), the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test. The measurement results are obtained as described below:

$$\text{Power(EIRP)} = P_{Mea} + P_{Ag} - P_{cl} + G_a$$
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15\text{dBi}$.
8. In order to make sure test results more clearly, we set frequency range and sweep time for difference frequency range as follows table:

Working Frequency	Sub range (GHz)	RBW	VBW	Sweep time (s)
NR Band 2	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100 MHz	300 MHz	Auto
	1~20	1 MHz	1 MHz	Auto
NR Band 5	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3MHz	Auto
NR Band 7	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26	1 MHz	3 MHz	Auto
NR Band 25	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~20	1 MHz	3 MHz	Auto
NR Band 26	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3 MHz	Auto
NR Band 38	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto





	1~26.5	1 MHz	3 MHz	Auto
NR Band 41	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26.5	1 MHz	3 MHz	Auto
NR Band 66	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~20	1 MHz	3 MHz	Auto
NR Band 71	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3 MHz	Auto
NR Band 77	0.00009~0.15	1KHz	3KHz	Auto
	0.00015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~40	1 MHz	3 MHz	Auto
NR Band 78	0.00009~0.15	1KHz	3KHz	Auto
	0.00015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~38	1 MHz	3 MHz	Auto

Frequency	Channel	Frequency Range	Verdict
NR Band 2	Low	9KHz -20GHz	PASS
	Middle	9KHz -20GHz	PASS
	High	9KHz -20GHz	PASS
NR Band 5	Low	9KHz -9GHz	PASS
	Middle	9KHz -9GHz	PASS
	High	9KHz -9GHz	PASS
NR Band 7	Low	9KHz -26GHz	PASS
	Middle	9KHz -26GHz	PASS
	High	9KHz -26GHz	PASS
NR Band 25	Low	9KHz -20GHz	PASS
	Middle	9KHz -20GHz	PASS
	High	9KHz -20GHz	PASS
NR Band 26	Low	9KHz -8GHz	PASS
	Middle	9KHz -8GHz	PASS
	High	9KHz -8GHz	PASS
NR Band 38	Low	9KHz -26GHz	PASS
	Middle	9KHz -26GHz	PASS
	High	9KHz -26GHz	PASS
NR Band 41	Low	9KHz -26GHz	PASS
	Middle	9KHz -26GHz	PASS
	High	9KHz -26GHz	PASS
NR Band 66	Low	9KHz -18GHz	PASS
	Middle	9KHz -18GHz	PASS
	High	9KHz -18GHz	PASS
NR Band 71	Low	9KHz -7GHz	PASS
	Middle	9KHz -7GHz	PASS
	High	9KHz -7GHz	PASS
NR Band 77	Low	9KHz -40GHz	PASS
	Middle	9KHz -40GHz	PASS
	High	9KHz -40GHz	PASS
NR Band 78	Low	9KHz -38GHz	PASS
	Middle	9KHz -38GHz	PASS
	High	9KHz -38GHz	PASS



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**TEST RESULTS****Remark:**

1. We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.
3. We were not recorded other points as values lower than limits.
4. $\text{Power(EIRP)} = P_{\text{Mea}} + P_{\text{Ag}} - P_{\text{cl}} + G_a$
5. $\text{Margin} = \text{EIRP} - \text{Limit}$

NR Band 2 Channel Bandwidth 40MHz_DFT-BPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3740.00	-37.75	5.26	3.00	9.88	-33.13	-13.00	-20.13	H
5610.00	-44.07	6.11	3.00	11.36	-38.82	-13.00	-25.82	H
3740.00	-31.70	5.26	3.00	9.88	-27.08	-13.00	-14.08	V
5610.00	-35.52	6.11	3.00	11.36	-30.27	-13.00	-17.27	V

NR Band 2 Channel Bandwidth 40MHz_DFT-BPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-38.71	5.32	3.00	10.03	-34.00	-13.00	-21.00	H
5640.00	-44.90	6.19	3.00	11.41	-39.68	-13.00	-26.68	H
3760.00	-30.60	5.32	3.00	10.03	-25.89	-13.00	-12.89	V
5640.00	-36.72	6.19	3.00	11.41	-31.50	-13.00	-18.50	V

NR Band 2 Channel Bandwidth 40MHz_DFT-BPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3780.00	-37.95	5.36	3.00	9.62	-33.69	-13.00	-20.69	H
5670.00	-46.79	6.24	3.00	11.46	-41.57	-13.00	-28.57	H
3780.00	-29.96	5.36	3.00	9.62	-25.70	-13.00	-12.70	V
5670.00	-34.17	6.24	3.00	11.46	-28.95	-13.00	-15.95	V

NR Band 2 Channel Bandwidth 40MHz_CP-16QAM_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3740.00	-37.19	5.26	3.00	9.88	-32.57	-13.00	-19.57	H
5610.00	-45.10	6.11	3.00	11.36	-39.85	-13.00	-26.85	H
3740.00	-30.07	5.26	3.00	9.88	-25.45	-13.00	-12.45	V
5610.00	-33.69	6.11	3.00	11.36	-28.44	-13.00	-15.44	V

NR Band 2 Channel Bandwidth 40MHz_CP-16QAM_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-39.54	5.32	3.00	10.03	-34.83	-13.00	-21.83	H
5640.00	-43.43	6.19	3.00	11.41	-38.21	-13.00	-25.21	H
3760.00	-31.21	5.32	3.00	10.03	-26.50	-13.00	-13.50	V
5640.00	-34.43	6.19	3.00	11.41	-29.21	-13.00	-16.21	V



*NR Band 2_Channel Bandwidth 40MHz_CP-16QAM_High Channel*

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3780.00	-39.50	5.36	3.00	9.62	-35.24	-13.00	-22.24	H
5670.00	-44.43	6.24	3.00	11.46	-39.21	-13.00	-26.21	H
3780.00	-30.89	5.36	3.00	9.62	-26.63	-13.00	-13.63	V
5670.00	-36.39	6.24	3.00	11.46	-31.17	-13.00	-18.17	V

NR Band 5_Channel Bandwidth 20MHz_DFT-BPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-38.88	3.86	3.00	8.56	-34.18	-13.00	-21.18	H
2502.00	-45.21	4.29	3.00	6.98	-42.52	-13.00	-29.52	H
1668.00	-36.69	3.86	3.00	8.56	-31.99	-13.00	-18.99	V
2502.00	-37.91	4.29	3.00	6.98	-35.22	-13.00	-22.22	V

NR Band 5_Channel Bandwidth 20MHz_DFT-BPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-41.66	3.89	3.00	8.62	-36.93	-13.00	-23.93	H
2509.50	-46.74	4.31	3.00	6.87	-44.18	-13.00	-31.18	H
1673.00	-36.36	3.86	3.00	8.62	-31.60	-13.00	-18.60	V
2509.50	-37.87	4.29	3.00	6.87	-35.29	-13.00	-22.29	V

NR Band 5_Channel Bandwidth 20MHz_DFT-BPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-38.71	3.92	3.00	8.71	-33.92	-13.00	-20.92	H
2517.00	-46.67	4.35	3.00	6.92	-44.10	-13.00	-31.10	H
1678.00	-33.29	3.92	3.00	8.71	-28.50	-13.00	-15.50	V
2517.00	-36.49	4.35	3.00	6.92	-33.92	-13.00	-20.92	V

NR Band 5_Channel Bandwidth 20MHz_CP-16QAM_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-41.11	3.86	3.00	8.56	-36.41	-13.00	-23.41	H
2502.00	-46.55	4.29	3.00	6.98	-43.86	-13.00	-30.86	H
1668.00	-33.27	3.86	3.00	8.56	-28.57	-13.00	-15.57	V
2502.00	-39.41	4.29	3.00	6.98	-36.72	-13.00	-23.72	V

NR Band 5_Channel Bandwidth 20MHz_CP-16QAM_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-41.66	3.89	3.00	8.62	-36.93	-13.00	-23.93	H
2509.50	-44.67	4.31	3.00	6.87	-42.11	-13.00	-29.11	H
1673.00	-36.90	3.86	3.00	8.62	-32.14	-13.00	-19.14	V
2509.50	-37.18	4.29	3.00	6.87	-34.60	-13.00	-21.60	V



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*NR Band 5_Channel Bandwidth 20MHz_CP-16QAM_High Channel*

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-41.65	3.92	3.00	8.71	-36.86	-13.00	-23.86	H
2517.00	-44.25	4.35	3.00	6.92	-41.68	-13.00	-28.68	H
1678.00	-35.72	3.92	3.00	8.71	-30.93	-13.00	-17.93	V
2517.00	-36.17	4.35	3.00	6.92	-33.60	-13.00	-20.60	V

NR Band 7_Channel Bandwidth 50MHz_DFT-BPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5050.00	-40.05	5.88	3.00	10.78	-35.15	-25.00	-10.15	H
7575.00	-44.23	7.21	3.00	12.31	-39.13	-25.00	-14.13	H
5050.00	-38.67	5.88	3.00	10.78	-33.77	-25.00	-8.77	V
7575.00	-42.17	7.21	3.00	12.31	-37.07	-25.00	-12.07	V

NR Band 7_Channel Bandwidth 50MHz_DFT-BPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5070.00	-38.91	5.9	3.00	10.81	-34.00	-25.00	-9.00	H
7605.00	-45.24	7.24	3.00	12.35	-40.13	-25.00	-15.13	H
5070.00	-43.79	5.9	3.00	10.81	-38.88	-25.00	-13.88	V
7605.00	-42.46	7.24	3.00	12.35	-37.35	-25.00	-12.35	V

NR Band 7_Channel Bandwidth 50MHz_DFT-BPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5090.00	-39.01	5.96	3.00	10.95	-34.02	-25.00	-9.02	H
7635.00	-44.92	7.31	3.00	12.41	-39.82	-25.00	-14.82	H
5090.00	-44.72	5.96	3.00	10.95	-39.73	-25.00	-14.73	V
7635.00	-41.78	7.31	3.00	12.41	-36.68	-25.00	-11.68	V

NR Band 7_Channel Bandwidth 50MHz_CP-16QAM_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5050.00	-39.01	5.88	3.00	10.78	-34.11	-25.00	-9.11	H
7575.00	-47.89	7.21	3.00	12.31	-42.79	-25.00	-17.79	H
5050.00	-40.64	5.88	3.00	10.78	-35.74	-25.00	-10.74	V
7575.00	-42.07	7.21	3.00	12.31	-36.97	-25.00	-11.97	V

NR Band 7_Channel Bandwidth 50MHz_CP-16QAM_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5070.00	-39.32	5.9	3.00	10.81	-34.41	-25.00	-9.41	H
7605.00	-45.86	7.24	3.00	12.35	-40.75	-25.00	-15.75	H
5070.00	-42.14	5.9	3.00	10.81	-37.23	-25.00	-12.23	V
7605.00	-45.47	7.24	3.00	12.35	-40.36	-25.00	-15.36	V



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*NR Band 7_Channel Bandwidth 50MHz_CP-16QAM_High Channel*

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5090.00	-38.17	5.96	3.00	10.95	-33.18	-25.00	-8.18	H
7635.00	-46.49	7.31	3.00	12.41	-41.39	-25.00	-16.39	H
5090.00	-41.59	5.96	3.00	10.95	-36.60	-25.00	-11.60	V
7635.00	-41.58	7.31	3.00	12.41	-36.48	-25.00	-11.48	V

NR Band 25_Channel Bandwidth 40MHz_DFT-BPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3740.00	-43.23	5.26	3.00	9.88	-38.61	-13.00	-25.61	H
5610.00	-50.13	6.11	3.00	11.36	-44.88	-13.00	-31.88	H
3740.00	-41.34	5.26	3.00	9.88	-36.72	-13.00	-23.72	V
5610.00	-54.60	6.11	3.00	11.36	-49.35	-13.00	-36.35	V

NR Band 25_Channel Bandwidth 40MHz_DFT-BPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-43.24	5.32	3.00	10.03	-38.53	-13.00	-25.53	H
5647.50	-47.41	6.19	3.00	11.41	-42.19	-13.00	-29.19	H
3765.00	-41.00	5.32	3.00	10.03	-36.29	-13.00	-23.29	V
5647.50	-48.69	6.19	3.00	11.41	-43.47	-13.00	-30.47	V

NR Band 25_Channel Bandwidth 40MHz_DFT-BPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3790.00	-40.18	5.36	3.00	9.62	-35.92	-13.00	-22.92	H
5685.00	-50.62	6.24	3.00	11.46	-45.40	-13.00	-32.40	H
3790.00	-44.59	5.36	3.00	9.62	-40.33	-13.00	-27.33	V
5685.00	-48.34	6.24	3.00	11.46	-43.12	-13.00	-30.12	V

NR Band 25_Channel Bandwidth 40MHz_CP-16QAM_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3740.00	-40.36	5.26	3.00	9.88	-35.74	-13.00	-22.74	H
5610.00	-47.72	6.11	3.00	11.36	-42.47	-13.00	-29.47	H
3740.00	-40.01	5.26	3.00	9.88	-35.39	-13.00	-22.39	V
5610.00	-50.42	6.11	3.00	11.36	-45.17	-13.00	-32.17	V

NR Band 25_Channel Bandwidth 40MHz_CP-16QAM_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-44.79	5.32	3.00	10.03	-40.08	-13.00	-27.08	H
5647.50	-52.44	6.19	3.00	11.41	-47.22	-13.00	-34.22	H
3765.00	-43.37	5.32	3.00	10.03	-38.66	-13.00	-25.66	V
5647.50	-50.25	6.19	3.00	11.41	-45.03	-13.00	-32.03	V



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**NR Band 25_Channel Bandwidth 40MHz_CP-16QAM_High Channel**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3790.00	-44.85	5.36	3.00	9.62	-40.59	-13.00	-27.59	H
5685.00	-49.71	6.24	3.00	11.46	-44.49	-13.00	-31.49	H
3790.00	-44.91	5.36	3.00	9.62	-40.65	-13.00	-27.65	V
5685.00	-46.11	6.24	3.00	11.46	-40.89	-13.00	-27.89	V

NR Band 26: 814-824MHz**NR Band 26_Channel Bandwidth 10MHz_DFT-BPSK_Middle Channel**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-38.96	3.86	3.00	8.56	-34.26	-13.00	-21.26	H
2457.00	-44.73	4.29	3.00	6.98	-42.04	-13.00	-29.04	H
1638.00	-35.20	3.86	3.00	8.56	-30.50	-13.00	-17.50	V
2457.00	-36.12	4.29	3.00	6.98	-33.43	-13.00	-20.43	V

NR Band 26_Channel Bandwidth 10MHz_CP-16QAM_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-40.96	3.90	3.00	8.58	-36.28	-13.00	-23.28	H
2457.00	-46.82	4.32	3.00	6.80	-44.34	-13.00	-31.34	H
1638.00	-36.50	3.90	3.00	8.58	-31.82	-13.00	-18.82	V
2457.00	-38.17	4.32	3.00	6.80	-35.69	-13.00	-22.69	V

NR Band 26: 824-849MHz**NR Band 26_Channel Bandwidth 20MHz_DFT-BPSK_Low Channel**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-38.92	3.86	3.00	8.56	-34.22	-13.00	-21.22	H
2502.00	-47.53	4.29	3.00	6.98	-44.84	-13.00	-31.84	H
1668.00	-34.46	3.86	3.00	8.56	-29.76	-13.00	-16.76	V
2502.00	-38.79	4.29	3.00	6.98	-36.10	-13.00	-23.10	V

NR Band 26_Channel Bandwidth 20MHz_DFT-BPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-39.08	3.90	3.00	8.58	-34.40	-13.00	-21.40	H
2509.50	-45.45	4.32	3.00	6.80	-42.97	-13.00	-29.97	H
1673.00	-36.96	3.90	3.00	8.58	-32.28	-13.00	-19.28	V
2509.50	-37.98	4.32	3.00	6.80	-35.50	-13.00	-22.50	V

NR Band 26_Channel Bandwidth 20MHz_DFT-BPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-38.84	3.91	3.00	9.06	-33.69	-13.00	-20.69	H
2517.00	-44.65	4.32	3.00	6.65	-42.32	-13.00	-29.32	H
1678.00	-33.46	3.91	3.00	9.06	-28.31	-13.00	-15.31	V
2517.00	-38.12	4.32	3.00	6.65	-35.79	-13.00	-22.79	V



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NR Band 26_Channel Bandwidth 20MHz_CP-16QAM_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-39.77	3.86	3.00	8.56	-35.07	-13.00	-22.07	H
2502.00	-46.29	4.29	3.00	6.98	-43.60	-13.00	-30.60	H
1668.00	-34.89	3.86	3.00	8.56	-30.19	-13.00	-17.19	V
2502.00	-38.71	4.29	3.00	6.98	-36.02	-13.00	-23.02	V

NR Band 26_Channel Bandwidth 20MHz_CP-16QAM_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-41.71	3.90	3.00	8.58	-37.03	-13.00	-24.03	H
2509.50	-47.56	4.32	3.00	6.80	-45.08	-13.00	-32.08	H
1673.00	-35.64	3.90	3.00	8.58	-30.96	-13.00	-17.96	V
2509.50	-37.73	4.32	3.00	6.80	-35.25	-13.00	-22.25	V

NR Band 26_Channel Bandwidth 20MHz_CP-16QAM_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-38.73	3.91	3.00	9.06	-33.58	-13.00	-20.58	H
2517.00	-45.51	4.32	3.00	6.65	-43.18	-13.00	-30.18	H
1678.00	-36.86	3.91	3.00	9.06	-31.71	-13.00	-18.71	V
2517.00	-38.19	4.32	3.00	6.65	-35.86	-13.00	-22.86	V

NR Band 38_Channel Bandwidth 40MHz_DFT-BPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5180.00	-41.82	7.13	3.00	9.74	-39.21	-25.00	-14.21	H
7770.00	-47.55	8.28	3.00	10.46	-45.37	-25.00	-20.37	H
5180.00	-38.90	7.13	3.00	9.74	-36.29	-25.00	-11.29	V
7770.00	-40.70	8.28	3.00	10.46	-38.52	-25.00	-13.52	V

NR Band 38_Channel Bandwidth 40MHz_DFT-BPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190.00	-39.68	7.18	3.00	9.78	-37.08	-25.00	-12.08	H
7785.00	-47.18	8.31	3.00	10.52	-44.97	-25.00	-19.97	H
5190.00	-44.14	7.18	3.00	9.78	-41.54	-25.00	-16.54	V
7785.00	-44.51	8.31	3.00	10.52	-42.30	-25.00	-17.30	V

NR Band 38_Channel Bandwidth 40MHz_DFT-BPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5200.00	-39.77	7.25	3.00	9.82	-37.20	-25.00	-12.20	H
7800.00	-47.25	8.41	3.00	10.61	-45.05	-25.00	-20.05	H
5200.00	-42.32	7.25	3.00	9.82	-39.75	-25.00	-14.75	V
7800.00	-39.62	8.41	3.00	10.61	-37.42	-25.00	-12.42	V



*NR Band 38_Channel Bandwidth 40MHz_CP-16QAM_Low Channel*

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5180.00	-38.31	7.13	3.00	9.74	-35.70	-25.00	-10.70	H
7770.00	-44.39	8.28	3.00	10.46	-42.21	-25.00	-17.21	H
5180.00	-41.34	7.13	3.00	9.74	-38.73	-25.00	-13.73	V
7770.00	-43.49	8.28	3.00	10.46	-41.31	-25.00	-16.31	V

NR Band 38_Channel Bandwidth 40MHz_CP-16QAM_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190.00	-39.18	7.18	3.00	9.78	-36.58	-25.00	-11.58	H
7785.00	-44.45	8.31	3.00	10.52	-42.24	-25.00	-17.24	H
5190.00	-42.09	7.18	3.00	9.78	-39.49	-25.00	-14.49	V
7785.00	-42.41	8.31	3.00	10.52	-40.20	-25.00	-15.20	V

NR Band 38_Channel Bandwidth 40MHz_CP-16QAM_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5200.00	-39.76	7.25	3.00	9.82	-37.19	-25.00	-12.19	H
7800.00	-45.34	8.41	3.00	10.61	-43.14	-25.00	-18.14	H
5200.00	-41.75	7.25	3.00	9.82	-39.18	-25.00	-14.18	V
7800.00	-38.20	8.41	3.00	10.61	-36.00	-25.00	-11.00	V

NR Band 41_Channel Bandwidth 100MHz_DFT-BPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5092.02	-38.25	7.18	3.00	9.76	-35.67	-25.00	-10.67	H
7638.03	-46.78	8.29	3.00	11.34	-43.73	-25.00	-18.73	H
5092.02	-41.03	7.18	3.00	9.76	-38.45	-25.00	-13.45	V
7638.03	-41.12	8.29	3.00	11.34	-38.07	-25.00	-13.07	V

NR Band 41_Channel Bandwidth 100MHz_DFT-BPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5185.98	-41.01	7.22	3.00	9.81	-38.42	-25.00	-13.42	H
7778.97	-45.07	8.35	3.00	11.44	-41.98	-25.00	-16.98	H
5185.98	-43.07	7.22	3.00	9.81	-40.48	-25.00	-15.48	V
7778.97	-43.81	8.35	3.00	11.44	-40.72	-25.00	-15.72	V

NR Band 41_Channel Bandwidth 100MHz_DFT-BPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5280.00	-40.97	7.31	3.00	9.86	-38.42	-25.00	-13.42	H
7920.00	-45.73	8.45	3.00	11.49	-42.69	-25.00	-17.69	H
5280.00	-43.65	7.31	3.00	9.86	-41.10	-25.00	-16.10	V
7920.00	-39.10	8.45	3.00	11.49	-36.06	-25.00	-11.06	V





NR Band 41 Channel Bandwidth 100MHz CP-16QAM Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5092.02	-38.93	7.18	3.00	9.76	-36.35	-25.00	-11.35	H
7638.03	-47.30	8.29	3.00	11.34	-44.25	-25.00	-19.25	H
5092.02	-39.07	7.18	3.00	9.76	-36.49	-25.00	-11.49	V
7638.03	-42.11	8.29	3.00	11.34	-39.06	-25.00	-14.06	V

NR Band 41 Channel Bandwidth 100MHz CP-16QAM Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5185.98	-39.36	7.22	3.00	9.81	-36.77	-25.00	-11.77	H
7778.97	-46.63	8.35	3.00	11.44	-43.54	-25.00	-18.54	H
5185.98	-41.20	7.22	3.00	9.81	-38.61	-25.00	-13.61	V
7778.97	-44.11	8.35	3.00	11.44	-41.02	-25.00	-16.02	V

NR Band 41 Channel Bandwidth 100MHz CP-16QAM High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5280.00	-41.19	7.31	3.00	9.86	-38.64	-25.00	-13.64	H
7920.00	-44.98	8.45	3.00	11.49	-41.94	-25.00	-16.94	H
5280.00	-42.26	7.31	3.00	9.86	-39.71	-25.00	-14.71	V
7920.00	-40.43	8.45	3.00	11.49	-37.39	-25.00	-12.39	V

NR Band 66 Channel Bandwidth 40MHz DFT-BPSK Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.00	-41.04	4.92	3.00	10.45	-35.51	-13.00	-22.51	H
5190.00	-47.31	5.78	3.00	12.32	-40.77	-13.00	-27.77	H
3460.00	-36.73	4.92	3.00	10.45	-31.20	-13.00	-18.20	V
5190.00	-40.20	5.78	3.00	12.32	-33.66	-13.00	-20.66	V

NR Band 66 Channel Bandwidth 40MHz DFT-BPSK Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.00	-43.16	4.99	3.00	11.12	-37.03	-13.00	-24.03	H
5235.00	-45.50	5.85	3.00	12.02	-39.33	-13.00	-26.33	H
3490.00	-33.43	4.99	3.00	11.12	-27.30	-13.00	-14.30	V
5235.00	-38.26	5.85	3.00	12.02	-32.09	-13.00	-19.09	V

NR Band 66 Channel Bandwidth 40MHz DFT-BPSK High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3520.00	-43.59	5.12	3.00	9.98	-38.73	-13.00	-25.73	H
5280.00	-46.86	5.93	3.00	11.66	-41.13	-13.00	-28.13	H
3520.00	-34.66	5.12	3.00	9.98	-29.80	-13.00	-16.80	V
5280.00	-39.40	5.93	3.00	11.66	-33.67	-13.00	-20.67	V





NR Band 66 Channel Bandwidth 40MHz CP-16QAM Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.00	-40.94	4.92	3.00	10.45	-35.41	-13.00	-22.41	H
5190.00	-48.84	5.78	3.00	12.32	-42.30	-13.00	-29.30	H
3460.00	-33.39	4.92	3.00	10.45	-27.86	-13.00	-14.86	V
5190.00	-39.69	5.78	3.00	12.32	-33.15	-13.00	-20.15	V

NR Band 66 Channel Bandwidth 40MHz CP-16QAM Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.00	-43.53	4.99	3.00	11.12	-37.40	-13.00	-24.40	H
5235.00	-48.02	5.85	3.00	12.02	-41.85	-13.00	-28.85	H
3490.00	-35.35	4.99	3.00	11.12	-29.22	-13.00	-16.22	V
5235.00	-38.87	5.85	3.00	12.02	-32.70	-13.00	-19.70	V

NR Band 66 Channel Bandwidth 40MHz CP-16QAM High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3520.00	-43.22	5.12	3.00	9.98	-38.36	-13.00	-25.36	H
5280.00	-46.32	5.93	3.00	11.66	-40.59	-13.00	-27.59	H
3520.00	-35.57	5.12	3.00	9.98	-30.71	-13.00	-17.71	V
5280.00	-40.28	5.93	3.00	11.66	-34.55	-13.00	-21.55	V

NR Band 71 Channel Bandwidth 20MHz DFT-BPSK Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1346.00	-41.69	4.73	3.00	10.42	-36.00	-13.00	-23.00	H
2019.00	-45.75	5.64	3.00	12.30	-39.09	-13.00	-26.09	H
1346.00	-35.07	4.73	3.00	10.42	-29.38	-13.00	-16.38	V
2019.00	-38.87	5.64	3.00	12.30	-32.21	-13.00	-19.21	V

NR Band 71 Channel Bandwidth 20MHz DFT-BPSK Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1361.00	-38.21	4.73	3.00	10.42	-32.52	-13.00	-19.52	H
2041.50	-46.07	5.64	3.00	12.30	-39.41	-13.00	-26.41	H
1361.00	-33.32	4.73	3.00	10.42	-27.63	-13.00	-14.63	V
2041.50	-39.80	5.64	3.00	12.30	-33.14	-13.00	-20.14	V

NR Band 71 Channel Bandwidth 20MHz DFT-BPSK High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1376.00	-38.78	4.75	3.00	10.44	-33.09	-13.00	-20.09	H
2064.00	-44.23	5.66	3.00	12.33	-37.56	-13.00	-24.56	H
1376.00	-34.30	4.75	3.00	10.44	-28.61	-13.00	-15.61	V
2064.00	-38.45	5.66	3.00	12.33	-31.78	-13.00	-18.78	V



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NR Band 71_Channel Bandwidth 20MHz_CP-16QAM_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1346.00	-38.50	4.73	3.00	10.42	-32.81	-13.00	-19.81	H
2019.00	-47.70	5.64	3.00	12.30	-41.04	-13.00	-28.04	H
1346.00	-36.98	4.73	3.00	10.42	-31.29	-13.00	-18.29	V
2019.00	-36.79	5.64	3.00	12.30	-30.13	-13.00	-17.13	V

NR Band 71_Channel Bandwidth 20MHz_CP-16QAM_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1361.00	-41.08	4.73	3.00	10.42	-35.39	-13.00	-22.39	H
2041.50	-44.46	5.64	3.00	12.30	-37.80	-13.00	-24.80	H
1361.00	-35.76	4.73	3.00	10.42	-30.07	-13.00	-17.07	V
2041.50	-37.64	5.64	3.00	12.30	-30.98	-13.00	-17.98	V

NR Band 71_Channel Bandwidth 20MHz_CP-16QAM_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1376.00	-38.69	4.75	3.00	10.44	-33.00	-13.00	-20.00	H
2064.00	-46.81	5.66	3.00	12.33	-40.14	-13.00	-27.14	H
1376.00	-35.03	4.75	3.00	10.44	-29.34	-13.00	-16.34	V
2064.00	-39.90	5.66	3.00	12.33	-33.23	-13.00	-20.23	V

NR Band 77(3450 MHz ~ 3550 MHz)_Channel Bandwidth 100MHz_DFT-BPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6999.96	-38.27	8.41	3.00	10.35	-36.33	-13.00	-23.33	H
10499.94	-47.64	9.89	3.00	12.51	-45.02	-13.00	-32.02	H
6999.96	-36.66	8.41	3.00	10.35	-34.72	-13.00	-21.72	V
10499.94	-39.72	9.89	3.00	12.51	-37.10	-13.00	-24.10	V

NR Band 77(3450 MHz ~ 3550 MHz)_Channel Bandwidth 100MHz_DFT-BPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6999.96	-38.83	8.41	3.00	10.35	-36.89	-13.00	-23.89	H
10499.94	-44.40	9.89	3.00	12.51	-41.78	-13.00	-28.78	H
6999.96	-33.83	8.41	3.00	10.35	-31.89	-13.00	-18.89	V
10499.94	-39.66	9.89	3.00	12.51	-37.04	-13.00	-24.04	V

NR Band 77(3700 MHz ~ 3980 MHz)_Channel Bandwidth 100MHz_DFT-BPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7500.00	-41.32	9.01	3.00	10.51	-39.82	-13.00	-26.82	H
11250.00	-46.43	9.87	3.00	12.68	-43.62	-13.00	-30.62	H
7500.00	-35.51	9.01	3.00	10.51	-34.01	-13.00	-21.01	V
11250.00	-38.14	9.87	3.00	12.68	-35.33	-13.00	-22.33	V



**NR Band 77(3700 MHz ~ 3980 MHz) Channel Bandwidth 100MHz CP-16QAM Middle Channel**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7680.00	-38.15	9.13	3.00	10.62	-36.66	-13.00	-23.66	H
11520.00	-44.71	9.87	3.00	12.69	-41.89	-13.00	-28.89	H
7680.00	-36.64	9.13	3.00	10.62	-35.15	-13.00	-22.15	V
11520.00	-39.89	9.87	3.00	12.69	-37.07	-13.00	-24.07	V

NR Band 77(3700 MHz ~ 3980 MHz) Channel Bandwidth 100MHz CP-16QAM High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7860.00	-40.47	9.14	3.00	10.67	-38.94	-13.00	-25.94	H
11790.00	-47.08	9.92	3.00	12.71	-44.29	-13.00	-31.29	H
7860.00	-36.36	9.14	3.00	10.67	-34.83	-13.00	-21.83	V
11790.00	-37.39	9.92	3.00	12.71	-34.60	-13.00	-21.60	V

NR Band 77(3700 MHz ~ 3980 MHz) Channel Bandwidth 100MHz CP-16QAM Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7500.00	-41.85	9.01	3.00	10.51	-40.35	-13.00	-27.35	H
11250.00	-46.38	9.87	3.00	12.68	-43.57	-13.00	-30.57	H
7500.00	-33.76	9.01	3.00	10.51	-32.26	-13.00	-19.26	V
11250.00	-39.97	9.87	3.00	12.68	-37.16	-13.00	-24.16	V

NR Band 77(3700 MHz ~ 3980 MHz) Channel Bandwidth 100MHz DFT-BPSK Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7680.00	-40.08	9.13	3.00	10.62	-38.59	-13.00	-25.59	H
11520.00	-47.65	9.87	3.00	12.69	-44.83	-13.00	-31.83	H
7680.00	-34.49	9.13	3.00	10.62	-33.00	-13.00	-20.00	V
11520.00	-36.43	9.87	3.00	12.69	-33.61	-13.00	-20.61	V

NR Band 77(3700 MHz ~ 3980 MHz) Channel Bandwidth 100MHz DFT-BPSK High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7860.00	-41.55	9.14	3.00	10.67	-40.02	-13.00	-27.02	H
11790.00	-44.32	9.92	3.00	12.71	-41.53	-13.00	-28.53	H
7860.00	-33.44	9.14	3.00	10.67	-31.91	-13.00	-18.91	V
11790.00	-36.07	9.92	3.00	12.71	-33.28	-13.00	-20.28	V

NR Band 78(3450 MHz ~ 3550 MHz) Channel Bandwidth 100MHz DFT-BPSK Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6999.96	-38.53	8.41	3.00	10.35	-36.59	-13.00	-23.59	H
10499.94	-44.90	9.89	3.00	12.51	-42.28	-13.00	-29.28	H
6999.96	-35.11	8.41	3.00	10.35	-33.17	-13.00	-20.17	V
10499.94	-36.67	9.89	3.00	12.51	-34.05	-13.00	-21.05	V



**NR Band 78(3450 MHz ~ 3550 MHz)_Channel Bandwidth 100MHz_ CP-16QAM_ Middle Channel**

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6999.96	-39.55	8.41	3.00	10.35	-37.61	-13.00	-24.61	H
10499.94	-47.09	9.89	3.00	12.51	-44.47	-13.00	-31.47	H
6999.96	-33.65	8.41	3.00	10.35	-31.71	-13.00	-18.71	V
10499.94	-38.68	9.89	3.00	12.51	-36.06	-13.00	-23.06	V

NR Band 78(3700 MHz ~ 3800 MHz)_Channel Bandwidth 100MHz_ CP-16QAM_ Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7500.00	-39.34	8.52	3.00	10.41	-37.45	-13.00	-24.45	H
11250.00	-47.77	9.94	3.00	12.60	-45.11	-13.00	-32.11	H
7500.00	-35.49	8.52	3.00	10.41	-33.60	-13.00	-20.60	V
11250.00	-37.48	9.94	3.00	12.60	-34.82	-13.00	-21.82	V

NR Band 78(3700 MHz ~ 3800 MHz)_Channel Bandwidth 100MHz_ CP-16QAM_ Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7500.00	-38.89	8.52	3.00	10.41	-37.00	-13.00	-24.00	H
11250.00	-44.58	9.94	3.00	12.60	-41.92	-13.00	-28.92	H
7500.00	-35.79	8.52	3.00	10.41	-33.90	-13.00	-20.90	V
11250.00	-37.73	9.94	3.00	12.60	-35.07	-13.00	-22.07	V

Notes: All channel bandwidth & all Modulation were tested and the report only recorded the worst modulation of DFT-BPSK&CP-16QAM were tested,the report recorded the worst data.



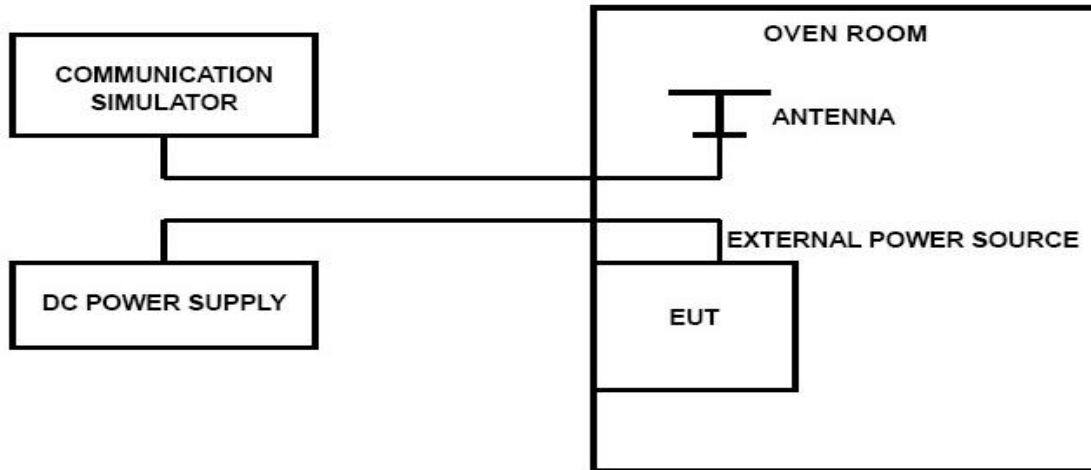


4.7 Frequency Stability under Temperature & Voltage Variations

LIMIT

According to FCC §2.1055, §22.355, §24.235, §27.54 and §90.213 requirement, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation and should not exceed 2.5ppm.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to TIA-603-E

Frequency Stability Under Temperature Variations:

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of Anritsu MT8000A DIGITAL RADIO COMMUNICATION TESTER.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C.
3. With the EUT, powered via nominal voltage, connected to the MT8000A and in a simulated call on middle channel for NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71, NR Band 77, NR Band 78; measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1V increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50°C.
7. With the EUT, powered via nominal voltage, connected to the MT8000A and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 °C increments from +50°C to -30°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.



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**TEST RESULTS****Remark:**

We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.

NR Band 2, DFT-256QAM, 40MHz bandwidth (worst case of all bandwidths)

NR Band 2					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	16	0.0087	±2.50	PASS
VN	20	16	0.0084	±2.50	PASS
VH	20	-13	-0.0069	±2.50	PASS
VN	-30	10	0.0054	±2.50	PASS
VN	-20	-4	-0.0020	±2.50	PASS
VN	-10	-8	-0.0044	±2.50	PASS
VN	0	18	0.0097	±2.50	PASS
VN	10	4	0.0022	±2.50	PASS
VN	20	5	0.0026	±2.50	PASS
VN	30	-12	-0.0064	±2.50	PASS
VN	40	18	0.0094	±2.50	PASS
VN	50	-7	-0.0037	±2.50	PASS

NR Band 2, CP-256QAM, 40MHz bandwidth (worst case of all bandwidths)

NR Band 2					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	11	0.0060	±2.50	PASS
VN	20	-4	-0.0021	±2.50	PASS
VH	20	-4	-0.0021	±2.50	PASS
VN	-30	11	0.0058	±2.50	PASS
VN	-20	-4	-0.0020	±2.50	PASS
VN	-10	23	0.0124	±2.50	PASS
VN	0	25	0.0132	±2.50	PASS
VN	10	24	0.0126	±2.50	PASS
VN	20	1	0.0005	±2.50	PASS
VN	30	-9	-0.0047	±2.50	PASS
VN	40	-6	-0.0034	±2.50	PASS
VN	50	-13	-0.0069	±2.50	PASS



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**NR Band 5, DFT-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)**

NR Band 5					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	3	0.0034	±2.50	PASS
VN	20	-15	-0.0176	±2.50	PASS
VH	20	-13	-0.0159	±2.50	PASS
VN	-30	-7	-0.0089	±2.50	PASS
VN	-20	24	0.0290	±2.50	PASS
VN	-10	-10	-0.0122	±2.50	PASS
VN	0	-10	-0.0114	±2.50	PASS
VN	10	-12	-0.0145	±2.50	PASS
VN	20	9	0.0113	±2.50	PASS
VN	30	21	0.0250	±2.50	PASS
VN	40	-1	-0.0009	±2.50	PASS
VN	50	10	0.0119	±2.50	PASS

NR Band 5, CP-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 5					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-15	-0.0177	±2.50	PASS
VN	20	19	0.0229	±2.50	PASS
VH	20	-15	-0.0173	±2.50	PASS
VN	-30	-10	-0.0124	±2.50	PASS
VN	-20	13	0.0161	±2.50	PASS
VN	-10	-1	-0.0018	±2.50	PASS
VN	0	24	0.0287	±2.50	PASS
VN	10	-13	-0.0151	±2.50	PASS
VN	20	11	0.0136	±2.50	PASS
VN	30	21	0.0255	±2.50	PASS
VN	40	6	0.0066	±2.50	PASS
VN	50	-10	-0.0119	±2.50	PASS



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**NR Band 7, DFT-256QAM, 50MHz bandwidth (worst case of all bandwidths and all modulations)**

NR Band 7					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	18	0.0073	±2.50	PASS
VN	20	-13	-0.0051	±2.50	PASS
VH	20	5	0.0022	±2.50	PASS
VN	-30	27	0.0108	±2.50	PASS
VN	-20	-1	-0.0002	±2.50	PASS
VN	-10	28	0.0112	±2.50	PASS
VN	0	10	0.0039	±2.50	PASS
VN	10	25	0.0099	±2.50	PASS
VN	20	20	0.0081	±2.50	PASS
VN	30	32	0.0127	±2.50	PASS
VN	40	-10	-0.0041	±2.50	PASS
VN	50	29	0.0113	±2.50	PASS

NR Band 7, CP-256QAM, 50MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 7					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	4	0.0015	±2.50	PASS
VN	20	31	0.0121	±2.50	PASS
VH	20	-12	-0.0049	±2.50	PASS
VN	-30	35	0.0137	±2.50	PASS
VN	-20	23	0.0089	±2.50	PASS
VN	-10	-10	-0.0041	±2.50	PASS
VN	0	30	0.0120	±2.50	PASS
VN	10	22	0.0088	±2.50	PASS
VN	20	4	0.0016	±2.50	PASS
VN	30	25	0.0099	±2.50	PASS
VN	40	-9	-0.0035	±2.50	PASS
VN	50	27	0.0108	±2.50	PASS

NR Band 25, DFT-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 25					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	6	0.0030	±2.50	PASS
VN	20	28	0.0153	±2.50	PASS
VH	20	26	0.0141	±2.50	PASS
VN	-30	-5	-0.0026	±2.50	PASS
VN	-20	27	0.0147	±2.50	PASS
VN	-10	21	0.0114	±2.50	PASS
VN	0	-14	-0.0078	±2.50	PASS
VN	10	17	0.0091	±2.50	PASS
VN	20	31	0.0170	±2.50	PASS
VN	30	30	0.0164	±2.50	PASS
VN	40	33	0.0180	±2.50	PASS
VN	50	-11	-0.0059	±2.50	PASS



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*NR Band 25, CP-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)***NR Band 25**

DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	21	0.0114	±2.50	PASS
VN	20	-13	-0.0070	±2.50	PASS
VH	20	24	0.0129	±2.50	PASS
VN	-30	-3	-0.0016	±2.50	PASS
VN	-20	12	0.0065	±2.50	PASS
VN	-10	-15	-0.0079	±2.50	PASS
VN	0	14	0.0076	±2.50	PASS
VN	10	-4	-0.0023	±2.50	PASS
VN	20	32	0.0172	±2.50	PASS
VN	30	16	0.0087	±2.50	PASS
VN	40	10	0.0053	±2.50	PASS
VN	50	25	0.0133	±2.50	PASS

*NR Band 26, DFT-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)***NR Band 26**

DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	22	0.0268	±2.50	PASS
VN	20	27	0.0330	±2.50	PASS
VH	20	33	0.0400	±2.50	PASS
VN	-30	-13	-0.0166	±2.50	PASS
VN	-20	5	0.0061	±2.50	PASS
VN	-10	27	0.0334	±2.50	PASS
VN	0	13	0.0156	±2.50	PASS
VN	10	6	0.0077	±2.50	PASS
VN	20	16	0.0198	±2.50	PASS
VN	30	26	0.0321	±2.50	PASS
VN	40	-15	-0.0182	±2.50	PASS
VN	50	18	0.0226	±2.50	PASS

*NR Band 26, CP-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)***NR Band 26**

DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	3	0.0042	±2.50	PASS
VN	20	28	0.0347	±2.50	PASS
VH	20	-9	-0.0115	±2.50	PASS
VN	-30	28	0.0340	±2.50	PASS
VN	-20	19	0.0229	±2.50	PASS
VN	-10	14	0.0177	±2.50	PASS
VN	0	30	0.0365	±2.50	PASS
VN	10	-12	-0.0146	±2.50	PASS
VN	20	22	0.0271	±2.50	PASS
VN	30	3	0.0031	±2.50	PASS
VN	40	17	0.0214	±2.50	PASS
VN	50	8	0.0098	±2.50	PASS



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**NR Band 38, DFT-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)****NR Band 38**

DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	19	0.0074	±2.50	PASS
VN	20	6	0.0022	±2.50	PASS
VH	20	6	0.0023	±2.50	PASS
VN	-30	4	0.0017	±2.50	PASS
VN	-20	23	0.0089	±2.50	PASS
VN	-10	-9	-0.0034	±2.50	PASS
VN	0	6	0.0023	±2.50	PASS
VN	10	33	0.0129	±2.50	PASS
VN	20	-7	-0.0027	±2.50	PASS
VN	30	18	0.0071	±2.50	PASS
VN	40	2	0.0007	±2.50	PASS
VN	50	33	0.0127	±2.50	PASS

NR Band 38, CP-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)**NR Band 38**

DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	0	-0.0001	±2.50	PASS
VN	20	-2	-0.0008	±2.50	PASS
VH	20	17	0.0065	±2.50	PASS
VN	-30	4	0.0017	±2.50	PASS
VN	-20	12	0.0044	±2.50	PASS
VN	-10	18	0.0069	±2.50	PASS
VN	0	-9	-0.0036	±2.50	PASS
VN	10	-9	-0.0033	±2.50	PASS
VN	20	5	0.0021	±2.50	PASS
VN	30	15	0.0058	±2.50	PASS
VN	40	6	0.0022	±2.50	PASS
VN	50	4	0.0014	±2.50	PASS

NR Band 41, DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)**NR Band 41**

DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	8	0.0032	±2.50	PASS
VN	20	20	0.0078	±2.50	PASS
VH	20	26	0.0100	±2.50	PASS
VN	-30	22	0.0086	±2.50	PASS
VN	-20	23	0.0090	±2.50	PASS
VN	-10	5	0.0019	±2.50	PASS
VN	0	35	0.0135	±2.50	PASS
VN	10	-3	-0.0012	±2.50	PASS
VN	20	28	0.0108	±2.50	PASS
VN	30	1	0.0004	±2.50	PASS
VN	40	27	0.0102	±2.50	PASS
VN	50	13	0.0052	±2.50	PASS



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**NR Band 41, CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)****NR Band 41**

DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-7	-0.0026	±2.50	PASS
VN	20	29	0.0110	±2.50	PASS
VH	20	-9	-0.0033	±2.50	PASS
VN	-30	21	0.0081	±2.50	PASS
VN	-20	-13	-0.0049	±2.50	PASS
VN	-10	-9	-0.0034	±2.50	PASS
VN	0	34	0.0130	±2.50	PASS
VN	10	28	0.0107	±2.50	PASS
VN	20	19	0.0075	±2.50	PASS
VN	30	22	0.0085	±2.50	PASS
VN	40	27	0.0106	±2.50	PASS
VN	50	28	0.0110	±2.50	PASS

NR Band 66, DFT-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)**NR Band 66**

DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	22	0.0127	±2.50	PASS
VN	20	12	0.0069	±2.50	PASS
VH	20	-12	-0.0067	±2.50	PASS
VN	-30	-1	-0.0005	±2.50	PASS
VN	-20	7	0.0042	±2.50	PASS
VN	-10	-2	-0.0012	±2.50	PASS
VN	0	34	0.0194	±2.50	PASS
VN	10	-1	-0.0005	±2.50	PASS
VN	20	2	0.0011	±2.50	PASS
VN	30	4	0.0023	±2.50	PASS
VN	40	21	0.0122	±2.50	PASS
VN	50	12	0.0068	±2.50	PASS

NR Band 66, CP-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)**NR Band 66**

DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-1	-0.0006	±2.50	PASS
VN	20	-2	-0.0009	±2.50	PASS
VH	20	34	0.0195	±2.50	PASS
VN	-30	8	0.0047	±2.50	PASS
VN	-20	12	0.0067	±2.50	PASS
VN	-10	-13	-0.0077	±2.50	PASS
VN	0	-3	-0.0018	±2.50	PASS
VN	10	26	0.0151	±2.50	PASS
VN	20	16	0.0091	±2.50	PASS
VN	30	4	0.0023	±2.50	PASS
VN	40	29	0.0167	±2.50	PASS
VN	50	-13	-0.0073	±2.50	PASS



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**NR Band 71, DFT-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)**

NR Band 71					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	18	0.0267	±2.50	PASS
VN	20	28	0.0416	±2.50	PASS
VH	20	-4	-0.0068	±2.50	PASS
VN	-30	25	0.0370	±2.50	PASS
VN	-20	3	0.0048	±2.50	PASS
VN	-10	14	0.0204	±2.50	PASS
VN	0	4	0.0057	±2.50	PASS
VN	10	24	0.0369	±2.50	PASS
VN	20	21	0.0318	±2.50	PASS
VN	30	13	0.0197	±2.50	PASS
VN	40	32	0.0479	±2.50	PASS
VN	50	-5	-0.0079	±2.50	PASS

NR Band 71, CP-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 71					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	0	0.0007	±2.50	PASS
VN	20	9	0.0135	±2.50	PASS
VH	20	20	0.0303	±2.50	PASS
VN	-30	5	0.0072	±2.50	PASS
VN	-20	18	0.0275	±2.50	PASS
VN	-10	-2	-0.0023	±2.50	PASS
VN	0	15	0.0231	±2.50	PASS
VN	10	23	0.0341	±2.50	PASS
VN	20	7	0.0110	±2.50	PASS
VN	30	-4	-0.0053	±2.50	PASS
VN	40	13	0.0189	±2.50	PASS
VN	50	8	0.0125	±2.50	PASS

NR Band 77(3450 MHz ~ 3550 MHz), DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 77					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	30	0.0086	±2.50	PASS
VN	20	25	0.0072	±2.50	PASS
VH	20	21	0.0062	±2.50	PASS
VN	-30	30	0.0086	±2.50	PASS
VN	-20	8	0.0024	±2.50	PASS
VN	-10	-7	-0.0021	±2.50	PASS
VN	0	-7	-0.0021	±2.50	PASS
VN	10	32	0.0092	±2.50	PASS
VN	20	17	0.0050	±2.50	PASS
VN	30	12	0.0033	±2.50	PASS
VN	40	31	0.0089	±2.50	PASS
VN	50	4	0.0011	±2.50	PASS



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NR Band 77(3450 MHz ~ 3550 MHz), CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 77					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	11	0.0032	±2.50	PASS
VN	20	13	0.0037	±2.50	PASS
VH	20	-5	-0.0014	±2.50	PASS
VN	-30	5	0.0015	±2.50	PASS
VN	-20	-2	-0.0006	±2.50	PASS
VN	-10	25	0.0072	±2.50	PASS
VN	0	-15	-0.0043	±2.50	PASS
VN	10	-4	-0.0010	±2.50	PASS
VN	20	31	0.0090	±2.50	PASS
VN	30	-2	-0.0005	±2.50	PASS
VN	40	24	0.0070	±2.50	PASS
VN	50	26	0.0075	±2.50	PASS

NR Band 77(3700 MHz ~ 3980 MHz), DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 77					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	3	0.0007	±2.50	PASS
VN	20	-2	-0.0005	±2.50	PASS
VH	20	9	0.0024	±2.50	PASS
VN	-30	15	0.0042	±2.50	PASS
VN	-20	18	0.0050	±2.50	PASS
VN	-10	0	0.0001	±2.50	PASS
VN	0	-14	-0.0038	±2.50	PASS
VN	10	-2	-0.0004	±2.50	PASS
VN	20	20	0.0054	±2.50	PASS
VN	30	24	0.0065	±2.50	PASS
VN	40	-6	-0.0016	±2.50	PASS
VN	50	17	0.0047	±2.50	PASS

NR Band 77(3700 MHz ~ 3980 MHz), CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 77					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-8	-0.0021	±2.50	PASS
VN	20	26	0.0070	±2.50	PASS
VH	20	-9	-0.0024	±2.50	PASS
VN	-30	10	0.0026	±2.50	PASS
VN	-20	-8	-0.0021	±2.50	PASS
VN	-10	5	0.0012	±2.50	PASS
VN	0	-4	-0.0012	±2.50	PASS
VN	10	34	0.0091	±2.50	PASS
VN	20	10	0.0027	±2.50	PASS
VN	30	-1	-0.0002	±2.50	PASS
VN	40	-14	-0.0039	±2.50	PASS
VN	50	29	0.0079	±2.50	PASS



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NR Band 78(3450 MHz ~ 3550 MHz), DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 78					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	22	0.0063	±2.50	PASS
VN	20	10	0.0030	±2.50	PASS
VH	20	8	0.0024	±2.50	PASS
VN	-30	0	-0.0001	±2.50	PASS
VN	-20	4	0.0011	±2.50	PASS
VN	-10	23	0.0067	±2.50	PASS
VN	0	27	0.0077	±2.50	PASS
VN	10	15	0.0045	±2.50	PASS
VN	20	12	0.0033	±2.50	PASS
VN	30	8	0.0022	±2.50	PASS
VN	40	1	0.0004	±2.50	PASS
VN	50	-6	-0.0018	±2.50	PASS

NR Band 78(3450 MHz ~ 3550 MHz), CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 78					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	7	0.0019	±2.50	PASS
VN	20	3	0.0007	±2.50	PASS
VH	20	34	0.0099	±2.50	PASS
VN	-30	2	0.0007	±2.50	PASS
VN	-20	12	0.0034	±2.50	PASS
VN	-10	31	0.0091	±2.50	PASS
VN	0	-7	-0.0020	±2.50	PASS
VN	10	32	0.0094	±2.50	PASS
VN	20	6	0.0016	±2.50	PASS
VN	30	-12	-0.0033	±2.50	PASS
VN	40	33	0.0094	±2.50	PASS
VN	50	17	0.0049	±2.50	PASS

NR Band 78(3700 MHz ~ 3800 MHz), DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 78					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	32	0.0086	±2.50	PASS
VN	20	9	0.0024	±2.50	PASS
VH	20	-9	-0.0026	±2.50	PASS
VN	-30	3	0.0009	±2.50	PASS
VN	-20	18	0.0049	±2.50	PASS
VN	-10	19	0.0052	±2.50	PASS
VN	0	16	0.0043	±2.50	PASS
VN	10	-4	-0.0012	±2.50	PASS
VN	20	-7	-0.0018	±2.50	PASS
VN	30	15	0.0041	±2.50	PASS
VN	40	5	0.0014	±2.50	PASS
VN	50	12	0.0032	±2.50	PASS



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NR Band 78(3700 MHz ~ 3800 MHz), CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 78					
DC Power	Temperature (°C)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-8	-0.0023	±2.50	PASS
VN	20	16	0.0042	±2.50	PASS
VH	20	32	0.0087	±2.50	PASS
VN	-30	-5	-0.0013	±2.50	PASS
VN	-20	1	0.0004	±2.50	PASS
VN	-10	13	0.0035	±2.50	PASS
VN	0	16	0.0044	±2.50	PASS
VN	10	-7	-0.0020	±2.50	PASS
VN	20	20	0.0055	±2.50	PASS
VN	30	27	0.0074	±2.50	PASS
VN	40	12	0.0032	±2.50	PASS
VN	50	16	0.0044	±2.50	PASS



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5 Test Setup Photos of the EUT

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6 External Photos of the EUT

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7 Internal Photos of the EUT

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