

FCC RADIO TEST REPORT

FCC ID: 2BK8UCB20RDNAR1

Product: ConBox2020RD

Trade Mark: Lear

Model No.: CB20RDNAR1

Family Model: N/A

Report No.: S24080903001007

Issue Date: Oct. 17, 2024

Prepared for

Lear Corporation Engineering GmbH

Industriestrasse 48, Kronach, Germany, 96317

Prepared by

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1 TEST RESULT CERTIFICATION

Applicant's name	Lear Corporation Engineering GmbH
Address	Industriestrasse 48, Kronach, Germany, 96317
Manufacturer's Name	Lear Corporation Engineering GmbH
Address	Industriestrasse 48, Kronach, Germany, 96317
Product description	
Product name	ConBox2020RD
Model and/or type reference	CB20RDNAR1
Family Model	N/A
Sample number	S240809030001
Date of Test	Aug. 11, 2024 ~ Oct. 17, 2024

Measurement Procedure Used:

APPLICABLE STANDARDS	
APPLICABLE STANDARD/ TEST PROCEDURE	TEST RESULT
47 CFR Part 2, Part 22H, Part 24E, Part 27 FCC KDB 971168 D01 Power Meas License Digital Systems v03r01 ANSI C63.26:2015	Complied

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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The test results of this report relate only to the tested sample identified in this report.

Prepared By: Mary Hu
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(Project Engineer)

Reviewed By: Aaron Cheng
Aaron Cheng
(Supervisor)

Approved By: Alex Li
Alex Li
(Manager)

2 SUMMARY OF TEST RESULTS

FCC Part22H / FCC Part24E / FCC Part27 & ANSI C63.26-2015

FCC Rule	Test Item	Verdict	Remark
2.1046	Conducted Output Power	PASS**	
24.232	Peak-to-Average Ratio	PASS**	
2.1049	Occupied Bandwidth	PASS**	
2.1051 22.917 24.238 27.53	Band Edge	PASS**	
22.913 24.232 27.50	Effective Radiated Power & Equivalent Isotropic Radiated Power	PASS**	
2.1053 22.917 24.238 27.53	Field Strength of Spurious Radiation	PASS	
2.1055 22.355 24.235 27.54	Frequency Stability for Temperature & Voltage	PASS**	
2.1051 22.917 24.238 27.53	Conducted Emission	PASS**	

Remark:

1. "N/A" denotes test is not applicable in this Test Report.
2. All test items were verified and recorded according to the standards and without any deviation during the test.
3. No modifications are made to the EUT during all test items.
4. **The maximum conducted power is verified to be the same. The conducted signal test data may be re-used. Please check FCC ID: NKR-UMCSTD35GN (Report No.: RFBCKS-WTW-P24050344-1).

3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

The sites are constructed in conformance with the requirements of ANSI C63.4, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

CNAS-Lab.

: The Certificate Registration Number is L5516.

IC-Registration

The Certificate Registration Number is 9270A.

FCC- Accredited

Test Firm Registration Number: 463705.

Designation Number: CN1184

A2LA-Lab.

The Certificate Registration Number is 4298.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Name of Firm

: Shenzhen NTEK Testing Technology Co., Ltd.

Site Location

: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	±3.1dB
2	RF power, conducted	±0.9dB
3	Spurious emissions, conducted	±2.2dB
4	All emissions, radiated(<1G)	±5.2dB
5	All emissions, radiated(>1G)	±5.1dB
6	Temperature	±0.5°C
7	Humidity	±2%
8	Occupied bandwidth	±3.7%

4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification																					
Equipment	ConBox2020RD																				
Trade Mark	Lear																				
FCC ID	2BK8UCB20RDNAR1																				
Model No.	CB20RDNAR1																				
Family Model	N/A																				
Model Difference	N/A																				
Frequency Bands:	NR Band 2, 5, 7, 41, 66, 71, 77, 78																				
Operating Frequency	NR Band 2 Uplink: 1850MHz-1910MHz, Downlink: 1930MHz-1990MHz; NR Band 5 Uplink: 824MHz-849MHz, Downlink: 869MHz-894MHz; NR Band 7 Uplink: 2500MHz-2570MHz, Downlink: 2620MHz-2690MHz; NR Band 41 Uplink& Downlink: 2496MHz-2690MHz, NR Band 66 Uplink: 1710MHz-1780MHz, Downlink: 2110MHz-2200MHz; NR Band 71 Uplink: 663MHz-698MHz, Downlink: 617MHz-652MHz; NR Band 77 Uplink& Downlink: 3450MHz-3550MHz, 3700MHz-3980MHz NR Band 78 Uplink& Downlink: 3450MHz-3550MHz,																				
EN-DC	<table border="1"> <thead> <tr> <th colspan="2">EN-DC</th></tr> <tr> <th>NR</th><th>LTE</th></tr> </thead> <tbody> <tr> <td>n2</td><td>B5, B13, B71</td></tr> <tr> <td>n5</td><td>B66</td></tr> <tr> <td>n7</td><td>B5, B12</td></tr> <tr> <td>n41</td><td>B5, B26, B71</td></tr> <tr> <td>n66</td><td>B5, B12, B13</td></tr> <tr> <td>n71</td><td>B2, B7, B66</td></tr> <tr> <td>n77</td><td>B5, B13</td></tr> <tr> <td>n78</td><td>B7, B12, B71</td></tr> </tbody> </table>	EN-DC		NR	LTE	n2	B5, B13, B71	n5	B66	n7	B5, B12	n41	B5, B26, B71	n66	B5, B12, B13	n71	B2, B7, B66	n77	B5, B13	n78	B7, B12, B71
EN-DC																					
NR	LTE																				
n2	B5, B13, B71																				
n5	B66																				
n7	B5, B12																				
n41	B5, B26, B71																				
n66	B5, B12, B13																				
n71	B2, B7, B66																				
n77	B5, B13																				
n78	B7, B12, B71																				
Modulation	DFT-s-OFDM, CP-OFDM																				
Power Class	NR Band 41, 77: Class 2; NR Band 2, 5, 7, 41, 66, 71, 77, 78: Class 3;																				
Uplink & Downlink:	1Up & 4Down																				

Antenna Description:	TX/PRX External Antenna 1(4K0.035.503.D): NR Band 2: 6dBi; NR Band 5: 4.9dBi; NR Band 7: 7.8dBi; NR Band 41: 7.8dBi; NR Band 66: 6dBi; NR Band 71: 2.8dBi; NR Band 77: 8.2dBi; NR Band 78: 8.2dBi; DRX External Antenna 2(4M0.035.504.A): NR Band 2: 1.36dBi; NR Band 5: 0.46dBi; NR Band 7: 2.48dBi; NR Band 41: 2.48dBi; NR Band 66: 1.36dBi; NR Band 71: -1.72dBi; NR Band 77: 3.67dBi; NR Band 78: 3.67dBi; DRX External Antenna 3&4(4M0.035.507.A): NR Band 2: 6.5dBi; NR Band 5: 4.5dBi; NR Band 7: 8.6dBi; NR Band 41: 8.6dBi; NR Band 66: 6.5dBi; NR Band 71: 4.3dBi; NR Band 77: 7.3dBi; NR Band 78: 7.3dBi;
Adapter	N/A
Battery	Typical Capacity: DC 3.2V, 1.1Ah, 3.52Wh Rated Capacity: DC 3.6V, 1.05Ah, 3.36Wh
Power supply	DC 12V
HW Version	H04
SW Version	0340

Note: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.

Revision History

Report No.	Version	Description	Issued Date
S24080903001007	Rev.01	Initial issue of report	Oct. 17, 2024

5 DESCRIPTION OF TEST MODES

During the testing, the EUT was controlled via Anritsu Digital Radio Communication Tester (MT8000A) to ensure max power transmission and proper modulation. Three channels (The low channel, the middle channel and the high channel) were chosen for testing on, NR Band 2/5/7/41/66/71/77/78.

Note: NR Band 2/5/7/41/66/71/77/78 modes have been tested during the test. the worst condition (DFT-s-OFDM Pi/2 BPSK, DFT-s-OFDM Pi/2 QPSK, DFT-s-OFDM Pi/2 16QAM) be recorded in the test report if no other modes test data.

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 10th harmonic for NR Band 2/5/7/41/66/71/77/78

All modes and data rates and positions were investigated.

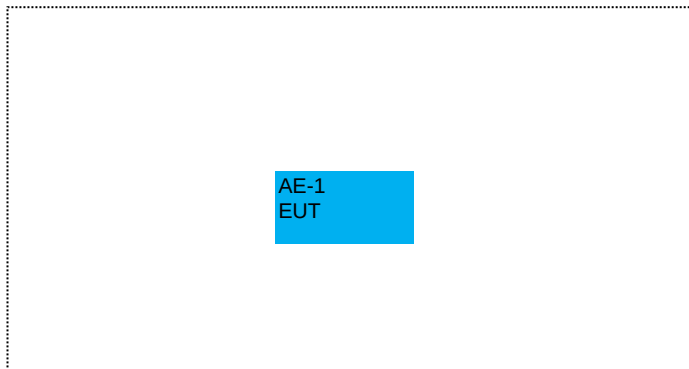
Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	For Conducted Test Cases	For Radiated Test Cases
NR Band 2/5/7/41/66/71/77/78	DFT-s-OFDM Pi/2 BPSK Link DFT-s-OFDM QPSK Link	DFT-s-OFDM Pi/2 BPSK Link DFT-s-OFDM Pi/2 QPSK Link DFT-s-OFDM Pi/2 16QAM Link

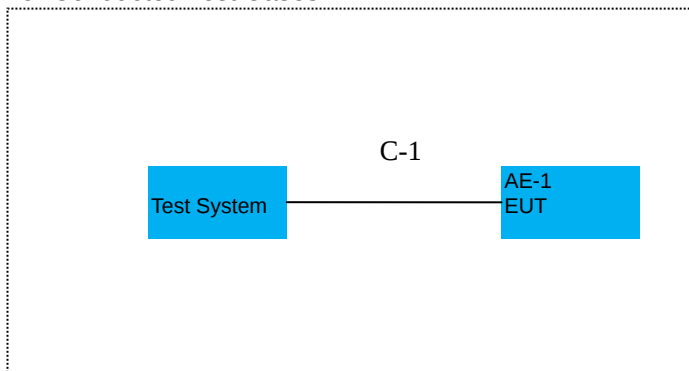
6 SETUP OF EQUIPMENT UNDER TEST

6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM

For Radiated Test Cases



For Conducted Test Cases



6.2 SUPPORT EQUIPMENT

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
AE-1	ConBox2020RD	Lear	CB20RDNAR1	N/A	EUT

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	RF Cable***	YES	NO	54cm

Notes:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.
- (4) “***” RF Cable is between the module and the antenna, that’s part of the EUT. Provided by the applicant.

6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	N9020A	MY53280244	2024.04.26	2025.04.25	1 year
2	Spectrum Analyzer	R&S	FSV40	101417	2024.04.26	2025.04.25	1 year
3	Test Receiver	R&S	ESPI7	101318	2024.03.12	2025.03.11	1 year
4	Active Loop Antenna	SCHWARZBECK	FMZB 1519 B	055	2024.05.17	2027.05.16	3 year
5	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	586	2024.05.12	2025.05.11	1 year
6	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120 D	2816	2024.05.18	2027.05.17	3 year
7	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	803	2024.05.12	2027.05.11	3 year
8	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
9	Pre-Amplifier	EMC	EMC051835SE	980246	2024.01.23	2025.01.22	1 year
10	Low Noise Amplifier	B&Z	BZ-P540-550850-452727	16476-11729	2024.02.03	2025.02.02	1 year
11	Pre-Amplifier	Sonoma	310N	186604	2024.04.25	2025.04.24	1 year
12	Signal Generator	Keysight	N5183B	MY57280984	2024.05.30	2025.05.29	1 year
13	4G LTE Comprehensive tester	Anritsu	MT8821C	6262192315	2024.04.25	2025.04.24	1 year
14	5G NR Comprehensive tester	Anritsu	MT8000A	6262186364	2024.04.25	2025.04.24	1 year
15	RF Control Unit	MWRFtest	MW400-RFCB	MW201030NTEK	N/A	N/A	N/A

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable& DC Power Source which is scheduled for calibration every 3 years.

Measurement Software

Item	Manufacturer	Software Name	Software Version	Description
1	MWRFtest	MTS 8200 NR	2.0	RF Conducted Test
2	raditeq	RadiMation	2023.1.3	Radiated Test

7 TEST REQUIREMENTS

7.1 FIELD STRENGTH OF SPURIOUS RADIATION

7.1.1 Applicable Standard

According to FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26: 2015 Section 5.5

7.1.2 Conformance Limit

For NR n2 SCS 15 kHz, NR n5 SCS 15 kHz, NR n66 SCS 15 kHz:

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. The emission limit equal to -13 dBm.

For NR n71 SCS 15 kHz:

According to FCC 47 CFR part 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. The limit of emissions is equal to -13 dBm.

For NR n7 SCS 15 kHz, NR n41 SCS 30 kHz:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $55 + 10 \log(P)$ dB. The emission limit equal to -25 dBm.

For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

According to FCC 47 CFR part 27.53(l), 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.

For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for 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.

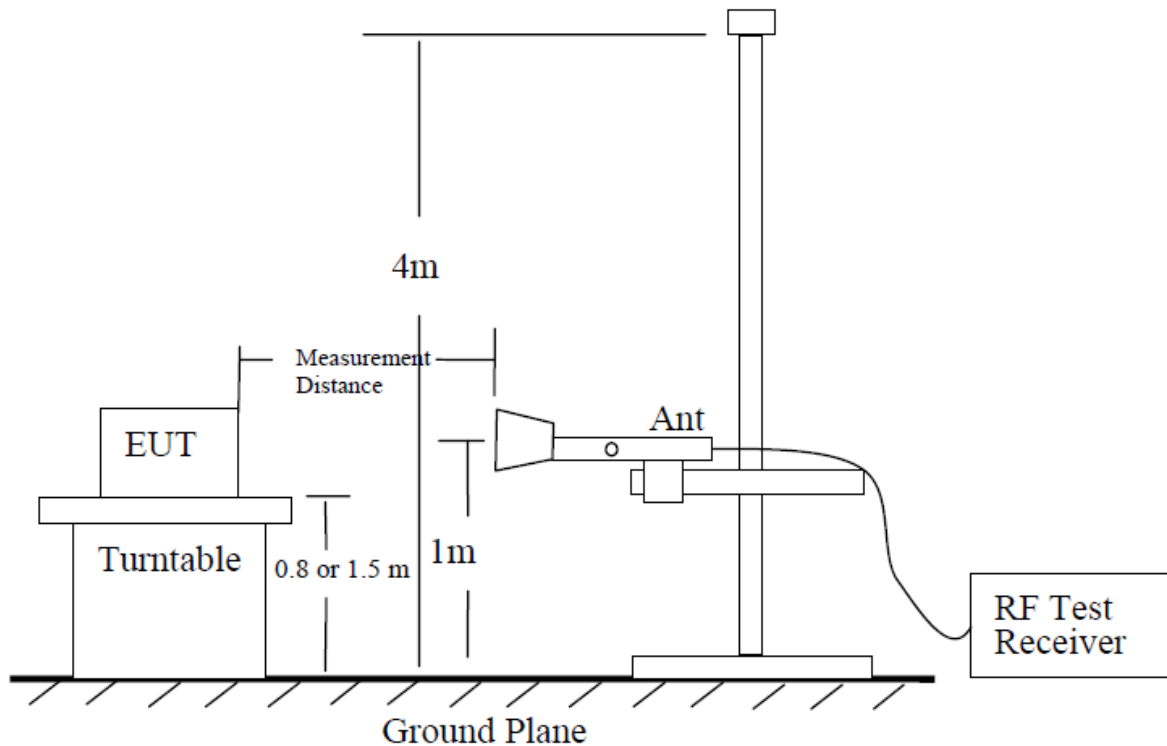
7.1.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.1.4 Test Configuration

According to the ANSI C63.26: 2015 test method, The Receiver or Spectrum was scanned from 9 KHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier that can be as high as 1910 MHz. The resolution bandwidth is set as outlined in Part 24.238, Part 22.917, Part 27.53. The spectrum is scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of NR Band.

TEST CONFIGURATION



7.1.5 Test Procedure

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

For 30MHz to 1GHz

1. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) height of turn table. rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
2. The height of antenna is varied from one meter to four meters above the around to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
4. Following C63.26 section 5.5 and 5.2.7

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz: The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Above 1GHz

1. In the semi-anechoic chamber, EUT placed on the 1.5 m height of turn table, rotated the table around 360degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
2. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
4. Following C63.26 section 5.5 and 5.2.7.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

7.1.6 Test Results

EUT:	ConBox2020RD	Model No.:	CB20RDNAR1
Temperature:	20 °C	Relative Humidity:	48%

■ Radiated Spurious Emission

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 2 SCS15K 20M DFT-s-OFDM Pi/2 BPSK (1,1) L CH									
1	1850.85	1000	3000	-41.6	-13.0	-28.6	3	Horizontal	Pass
2	3701.3	1000	3000	-41.7	-13.0	-28.7	3	Horizontal	Pass
3	7403.05	1000	3000	-38.3	-13.0	-25.3	3	Horizontal	Pass
4	11104.375	1000	3000	-35.4	-13.0	-22.4	3	Horizontal	Pass
5	5552.175	1000	3000	-47.4	-13.0	-34.4	3	Horizontal	Pass
6	17960.475	1000	3000	-36.6	-13.0	-23.6	3	Horizontal	Pass
7	161.2	1000	3000	-32.7	-13.0	-19.7	3	Horizontal	Pass
1	1850.85	1000	3000	-39.7	-13.0	-26.7	3	Vertical	Pass
2	3701.3	1000	3000	-32.2	-13.0	-19.2	3	Vertical	Pass
3	7403.05	1000	3000	-33.8	-13.0	-20.8	3	Vertical	Pass
4	11104.375	1000	3000	-38.6	-13.0	-25.6	3	Vertical	Pass
5	5551.75	1000	3000	-48.2	-13.0	-35.2	3	Vertical	Pass
6	17967.7	1000	3000	-37.0	-13.0	-24.0	3	Vertical	Pass
7	116.8	1000	3000	-27.5	-13.0	-14.5	3	Vertical	Pass
NR Band 2 SCS15K 20M DFT-s-OFDM Pi/2 BPSK (1,1) M CH									
1	1778.6	1000	3000	-55.7	-13.0	-42.7	3	Vertical	Pass
2	1870.825	1000	3000	-35.1	-13.0	-22.1	3	Vertical	Pass
3	3741.675	1000	3000	-40.6	-13.0	-27.6	3	Vertical	Pass
4	5522.85	1000	3000	-52.2	-13.0	-39.2	3	Vertical	Pass
5	9466	1000	3000	-49.4	-13.0	-36.4	3	Vertical	Pass
6	17946.025	1000	3000	-36.8	-13.0	-23.8	3	Vertical	Pass
7	118.0	1000	3000	-27.0	-13.0	-14.0	3	Vertical	Pass
1	1870.825	1000	3000	-38.7	-13.0	-25.7	3	Horizontal	Pass
2	3741.25	1000	3000	-47.0	-13.0	-34.0	3	Horizontal	Pass
3	5527.525	1000	3000	-51.9	-13.0	-38.9	3	Horizontal	Pass
4	10066.95	1000	3000	-48.4	-13.0	-35.4	3	Horizontal	Pass
5	17958.775	1000	3000	-36.3	-13.0	-23.3	3	Horizontal	Pass
6	1192.525	1000	3000	-60.5	-13.0	-47.5	3	Horizontal	Pass
7	94.4	1000	3000	-29.7	-13.0	-16.7	3	Horizontal	Pass

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 2 SCS15K 20M DFT-s-OFDM Pi/2 BPSK (1,1) H CH									
1	1890.8	1000	3000	-36.9	-13.0	-23.9	3	Horizontal	Pass
2	3781.625	1000	3000	-46.3	-13.0	-33.3	3	Horizontal	Pass
3	5534.325	1000	3000	-52.3	-13.0	-39.3	3	Horizontal	Pass
4	9526.775	1000	3000	-48.6	-13.0	-35.6	3	Horizontal	Pass
5	17923.5	1000	3000	-37.2	-13.0	-24.2	3	Horizontal	Pass
6	1104.975	1000	3000	-60.2	-13.0	-47.2	3	Horizontal	Pass
7	152.3	1000	3000	-30.9	-13.0	-17.9	3	Horizontal	Pass
1	1890.8	1000	3000	-42.9	-13.0	-29.9	3	Vertical	Pass
2	3781.625	1000	3000	-49.2	-13.0	-36.2	3	Vertical	Pass
3	5531.775	1000	3000	-52.0	-13.0	-39.0	3	Vertical	Pass
4	9453.25	1000	3000	-48.1	-13.0	-35.1	3	Vertical	Pass
5	16251.975	1000	3000	-42.5	-13.0	-29.5	3	Vertical	Pass
6	1816.425	1000	3000	-57.2	-13.0	-44.2	3	Vertical	Pass
7	130.4	1000	3000	-27.2	-13.0	-14.2	3	Vertical	Pass

Remark:

- Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.
- Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 5 SCS15K 20M DFT-s-OFDM Pi/2 BPSK (1,1) L CH									
1	1649.4	1000	3000	-18.1	-13.0	-5.1	3	Horizontal	Pass
2	2473.9	1000	3000	-18.4	-13.0	-5.4	3	Horizontal	Pass
3	3298.825	1000	3000	-27.6	-13.0	-14.6	3	Horizontal	Pass
4	4123.75	1000	3000	-41.2	-13.0	-28.2	3	Horizontal	Pass
5	9494.9	1000	3000	-42.0	-13.0	-29.0	3	Horizontal	Pass
6	17993.625	1000	3000	-30.7	-13.0	-17.7	3	Horizontal	Pass
7	189.5	1000	3000	-32.1	-13.0	-19.1	3	Horizontal	Pass
1	1649.4	1000	3000	-18.9	-13.0	-5.9	3	Vertical	Pass
2	2473.9	1000	3000	-19.1	-13.0	-6.1	3	Vertical	Pass
3	3298.825	1000	3000	-33.0	-13.0	-20.0	3	Vertical	Pass
4	4123.75	1000	3000	-40.5	-13.0	-27.5	3	Vertical	Pass
5	6690.75	1000	3000	-44.2	-13.0	-31.2	3	Vertical	Pass
6	17934.55	1000	3000	-30.9	-13.0	-17.9	3	Vertical	Pass
7	192.6	1000	3000	-29.5	-13.0	-16.5	3	Vertical	Pass
NR Band 5 SCS15K 20M DFT-s-OFDM Pi/2 BPSK (1,1) M CH									
1	1654.5	1000	3000	-38.3	-13.0	-25.3	3	Vertical	Pass
2	2481.55	1000	3000	-49.6	-13.0	-36.6	3	Vertical	Pass
3	5029.85	1000	3000	-46.5	-13.0	-33.5	3	Vertical	Pass
4	7317.625	1000	3000	-44.2	-13.0	-31.2	3	Vertical	Pass
5	10564.625	1000	3000	-41.5	-13.0	-28.5	3	Vertical	Pass
6	17904.8	1000	3000	-30.8	-13.0	-17.8	3	Vertical	Pass
7	130.5	1000	3000	-32.6	-13.0	-19.6	3	Vertical	Pass
1	1654.5	1000	3000	-36.3	-13.0	-23.3	3	Horizontal	Pass
2	2481.975	1000	3000	-50.7	-13.0	-37.7	3	Horizontal	Pass
3	4238.925	1000	3000	-50.4	-13.0	-37.4	3	Horizontal	Pass
4	6837.8	1000	3000	-44.4	-13.0	-31.4	3	Horizontal	Pass
5	10848.1	1000	3000	-40.9	-13.0	-27.9	3	Horizontal	Pass
6	17902.25	1000	3000	-30.7	-13.0	-17.7	3	Horizontal	Pass
7	107.3	1000	3000	-24.4	-13.0	-11.4	3	Horizontal	Pass
NR Band 5 SCS15K 20M DFT-s-OFDM Pi/2 BPSK (1,1) H CH									
1	1103.275	1000	3000	-54.5	-13.0	-41.5	3	Horizontal	Pass
2	1966.45	1000	3000	-53.9	-13.0	-40.9	3	Horizontal	Pass
3	3051.9	1000	3000	-50.6	-13.0	-37.6	3	Horizontal	Pass
4	6827.175	1000	3000	-44.0	-13.0	-31.0	3	Horizontal	Pass
5	11913.15	1000	3000	-39.0	-13.0	-26.0	3	Horizontal	Pass
6	17923.5	1000	3000	-30.9	-13.0	-17.9	3	Horizontal	Pass
7	145.9	1000	3000	-25.4	-13.0	-12.4	3	Horizontal	Pass
1	1233.325	1000	3000	-55.8	-13.0	-42.8	3	Vertical	Pass
2	2122.85	1000	3000	-53.7	-13.0	-40.7	3	Vertical	Pass
3	3047.65	1000	3000	-49.6	-13.0	-36.6	3	Vertical	Pass
4	5519.025	1000	3000	-46.6	-13.0	-33.6	3	Vertical	Pass
5	10820.475	1000	3000	-40.2	-13.0	-27.2	3	Vertical	Pass
6	17964.3	1000	3000	-30.5	-13.0	-17.5	3	Vertical	Pass
7	206.2	1000	3000	-25.9	-13.0	-12.9	3	Vertical	Pass

Remark:

- Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.
- Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 7 SCS15K 20M DFT-s-OFDM Pi/2 BPSK (1,1) L CH									
1	1101.15	1000	3000	-59.4	-25.0	-34.4	3	Horizontal	Pass
2	1319.175	1000	3000	-60.9	-25.0	-35.9	3	Horizontal	Pass
3	2500.675	1000	3000	-40.5	-25.0	-15.5	3	Horizontal	Pass
4	3975.85	1000	3000	-34.8	-25.0	-9.8	3	Horizontal	Pass
5	4765.075	1000	3000	-54.1	-25.0	-29.1	3	Horizontal	Pass
6	4957.6	1000	3000	-52.3	-25.0	-27.3	3	Horizontal	Pass
7	373.0	1000	3000	-35.2	-25.0	-10.2	3	Horizontal	Pass
1	1292.4	1000	3000	-59.8	-25.0	-34.8	3	Vertical	Pass
2	2500.675	1000	3000	-34.3	-25.0	-9.3	3	Vertical	Pass
3	3974.15	1000	3000	-51.9	-25.0	-26.9	3	Vertical	Pass
4	7458.725	1000	3000	-50.2	-25.0	-25.2	3	Vertical	Pass
5	11007.475	1000	3000	-45.5	-25.0	-20.5	3	Vertical	Pass
6	17875.9	1000	3000	-36.6	-25.0	-11.6	3	Vertical	Pass
7	423.7	1000	3000	-42.9	-25.0	-17.9	3	Vertical	Pass
NR Band 7 SCS15K 20M DFT-s-OFDM Pi/2 BPSK (1,1) M CH									
1	1276.25	1000	3000	-59.8	-25.0	-34.8	3	Vertical	Pass
2	2525.75	1000	3000	-39.9	-25.0	-14.9	3	Vertical	Pass
3	3840.7	1000	3000	-52.4	-25.0	-27.4	3	Vertical	Pass
4	5862	1000	3000	-51.8	-25.0	-26.8	3	Vertical	Pass
5	10903.775	1000	3000	-45.1	-25.0	-20.1	3	Vertical	Pass
6	17920.525	1000	3000	-36.5	-25.0	-11.5	3	Vertical	Pass
7	178.6	1000	3000	-41.3	-25.0	-16.3	3	Vertical	Pass
1	1291.55	1000	3000	-59.7	-25.0	-34.7	3	Horizontal	Pass
2	2525.75	1000	3000	-41.2	-25.0	-16.2	3	Horizontal	Pass
3	3842.4	1000	3000	-40.2	-25.0	-15.2	3	Horizontal	Pass
4	5851.8	1000	3000	-51.7	-25.0	-26.7	3	Horizontal	Pass
5	10086.5	1000	3000	-47.5	-25.0	-22.5	3	Horizontal	Pass
6	17997.45	1000	3000	-35.7	-25.0	-10.7	3	Horizontal	Pass
7	515.4	1000	3000	-38.8	-25.0	-13.8	3	Horizontal	Pass
NR Band 7 SCS15K 20M DFT-s-OFDM Pi/2 BPSK (1,1) H CH									
1	1270.3	1000	3000	-60.9	-25.0	-35.9	3	Horizontal	Pass
2	2550.825	1000	3000	-33.5	-25.0	-8.5	3	Horizontal	Pass
3	3706.4	1000	3000	-30.6	-25.0	-5.6	3	Horizontal	Pass
4	5506.7	1000	3000	-51.7	-25.0	-26.7	3	Horizontal	Pass
5	10749.925	1000	3000	-46.7	-25.0	-21.7	3	Horizontal	Pass
6	17977.9	1000	3000	-36.3	-25.0	-11.3	3	Horizontal	Pass
7	166.7	1000	3000	-36.1	-25.0	-11.1	3	Horizontal	Pass
1	1280.925	1000	3000	-61.0	-25.0	-36.0	3	Vertical	Pass
2	2550.825	1000	3000	-33.9	-25.0	-8.9	3	Vertical	Pass
3	3702.575	1000	3000	-48.2	-25.0	-23.2	3	Vertical	Pass
4	5486.3	1000	3000	-51.4	-25.0	-26.4	3	Vertical	Pass
5	10074.6	1000	3000	-47.6	-25.0	-22.6	3	Vertical	Pass
6	17878.45	1000	3000	-36.5	-25.0	-11.5	3	Vertical	Pass
7	261.5	1000	3000	-39.1	-25.0	-14.1	3	Vertical	Pass

Remark:

- Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.
- Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 41 SCS30K 100M DFT-s-OFDM Pi/2 BPSK (1,1) L CH									
1	1082.875	1000	3000	-54.7	-25.0	-29.7	3	Vertical	Pass
2	1881.875	1000	3000	-54.5	-25.0	-29.5	3	Vertical	Pass
3	3816.9	1000	3000	-50.5	-25.0	-25.5	3	Vertical	Pass
4	4994.15	1000	3000	-39.3	-25.0	-14.3	3	Vertical	Pass
5	8026.1	1000	3000	-44.8	-25.0	-19.8	3	Vertical	Pass
6	17926.05	1000	3000	-30.6	-25.0	-5.6	3	Vertical	Pass
7	388.9	1000	3000	-39.5	-25.0	-14.5	3	Vertical	Pass
1	1240.975	1000	3000	-55.9	-25.0	-30.9	3	Horizontal	Pass
2	2016.6	1000	3000	-54.0	-25.0	-29.0	3	Horizontal	Pass
3	3589.95	1000	3000	-50.6	-25.0	-25.6	3	Horizontal	Pass
4	4994.15	1000	3000	-42.3	-25.0	-17.3	3	Horizontal	Pass
5	10049.95	1000	3000	-42.4	-25.0	-17.4	3	Horizontal	Pass
6	17909.9	1000	3000	-30.8	-25.0	-5.8	3	Horizontal	Pass
7	236.1	1000	3000	-38.1	-25.0	-13.1	3	Horizontal	Pass
NR Band 41 SCS30K 100M DFT-s-OFDM Pi/2 BPSK (1,1) M CH									
1	1143.65	1000	3000	-55.8	-25.0	-30.8	3	Horizontal	Pass
2	2051.875	1000	3000	-53.6	-25.0	-28.6	3	Horizontal	Pass
3	3779.925	1000	3000	-49.9	-25.0	-24.9	3	Horizontal	Pass
4	7356.725	1000	3000	-44.0	-25.0	-19.0	3	Horizontal	Pass
5	17981.3	1000	3000	-31.1	-25.0	-6.1	3	Horizontal	Pass
6	11073.35	1000	3000	-40.6	-25.0	-15.6	3	Horizontal	Pass
7	556.7	1000	3000	-44.3	-25.0	-19.3	3	Horizontal	Pass
1	1137.7	1000	3000	-56.7	-25.0	-31.7	3	Vertical	Pass
2	2035.3	1000	3000	-54.1	-25.0	-29.1	3	Vertical	Pass
3	3706.4	1000	3000	-50.7	-25.0	-25.7	3	Vertical	Pass
4	6692.45	1000	3000	-45.4	-25.0	-20.4	3	Vertical	Pass
5	10894.425	1000	3000	-40.9	-25.0	-15.9	3	Vertical	Pass
6	17920.95	1000	3000	-31.1	-25.0	-6.1	3	Vertical	Pass
7	214.8	1000	3000	-38.6	-25.0	-13.6	3	Vertical	Pass
NR Band 41 SCS30K 100M DFT-s-OFDM Pi/2 BPSK (1,1) H CH									
1	1289	1000	3000	-55.8	-25.0	-30.8	3	Vertical	Pass
2	2021.7	1000	3000	-53.8	-25.0	-28.8	3	Vertical	Pass
3	5174.35	1000	3000	-48.0	-25.0	-23.0	3	Vertical	Pass
4	7775.35	1000	3000	-44.4	-25.0	-19.4	3	Vertical	Pass
5	10800.5	1000	3000	-41.1	-25.0	-16.1	3	Vertical	Pass
6	17959.625	1000	3000	-30.3	-25.0	-5.3	3	Vertical	Pass
7	199.7	1000	3000	-37.1	-25.0	-12.1	3	Vertical	Pass
1	1123.675	1000	3000	-55.7	-25.0	-30.7	3	Horizontal	Pass
2	2093.95	1000	3000	-53.6	-25.0	-28.6	3	Horizontal	Pass
3	4380.45	1000	3000	-49.7	-25.0	-24.7	3	Horizontal	Pass
4	7283.625	1000	3000	-45.0	-25.0	-20.0	3	Horizontal	Pass
5	12271	1000	3000	-40.4	-25.0	-15.4	3	Horizontal	Pass
6	17907.775	1000	3000	-30.5	-25.0	-5.5	3	Horizontal	Pass
7	305.3	1000	3000	-36.7	-25.0	-11.7	3	Horizontal	Pass

Remark:

- Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.
- Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 66 SCS15K 40M DFT-s-OFDM Pi/2 BPSK (1,1) L CH									
1	1698.275	1000	3000	-32.3	-13.0	-19.3	3	Horizontal	Pass
2	1809.2	1000	3000	-52.0	-13.0	-39.0	3	Horizontal	Pass
3	3040	1000	3000	-56.8	-13.0	-43.8	3	Horizontal	Pass
4	5693.7	1000	3000	-52.6	-13.0	-39.6	3	Horizontal	Pass
5	11058.05	1000	3000	-46.9	-13.0	-33.9	3	Horizontal	Pass
6	17891.625	1000	3000	-35.6	-13.0	-22.6	3	Horizontal	Pass
7	260.8	1000	3000	-25.4	-13.0	-12.4	3	Horizontal	Pass
1	1697.85	1000	3000	-28.9	-13.0	-15.9	3	Vertical	Pass
2	1813.45	1000	3000	-46.5	-13.0	-33.5	3	Vertical	Pass
3	3192.15	1000	3000	-55.2	-13.0	-42.2	3	Vertical	Pass
4	4954.625	1000	3000	-53.5	-13.0	-40.5	3	Vertical	Pass
5	10054.625	1000	3000	-47.5	-13.0	-34.5	3	Vertical	Pass
6	17960.475	1000	3000	-37.2	-13.0	-24.2	3	Vertical	Pass
7	125.4	1000	3000	-31.5	-13.0	-18.5	3	Vertical	Pass
NR Band 66 SCS15K 40M DFT-s-OFDM Pi/2 BPSK (1,1) M CH									
1	1695.3	1000	3000	-28.8	-13.0	-15.8	3	Vertical	Pass
2	1760.325	1000	3000	-27.7	-13.0	-14.7	3	Vertical	Pass
3	3195.55	1000	3000	-55.4	-13.0	-42.4	3	Vertical	Pass
4	7352.9	1000	3000	-50.2	-13.0	-37.2	3	Vertical	Pass
5	17956.65	1000	3000	-36.5	-13.0	-23.5	3	Vertical	Pass
6	4929.55	1000	3000	-54.1	-13.0	-41.1	3	Vertical	Pass
7	223.1	1000	3000	-25.0	-13.0	-12.0	3	Vertical	Pass
1	1758.625	1000	3000	-33.4	-13.0	-20.4	3	Horizontal	Pass
2	3081.225	1000	3000	-56.5	-13.0	-43.5	3	Horizontal	Pass
3	5543.25	1000	3000	-52.0	-13.0	-39.0	3	Horizontal	Pass
4	9400.55	1000	3000	-49.4	-13.0	-36.4	3	Horizontal	Pass
5	17931.15	1000	3000	-37.2	-13.0	-24.2	3	Horizontal	Pass
6	1090.525	1000	3000	-61.0	-13.0	-48.0	3	Horizontal	Pass
7	126.9	1000	3000	-24.8	-13.0	-11.8	3	Horizontal	Pass
NR Band 66 SCS15K 40M DFT-s-OFDM Pi/2 BPSK (1,1) H CH									
1	1741.2	1000	3000	-34.1	-13.0	-21.1	3	Horizontal	Pass
2	1076.925	1000	3000	-59.9	-13.0	-46.9	3	Horizontal	Pass
3	3161.125	1000	3000	-56.9	-13.0	-43.9	3	Horizontal	Pass
4	6021.8	1000	3000	-53.0	-13.0	-40.0	3	Horizontal	Pass
5	10114.55	1000	3000	-47.5	-13.0	-34.5	3	Horizontal	Pass
6	17998.725	1000	3000	-35.9	-13.0	-22.9	3	Horizontal	Pass
7	115.5	1000	3000	-31.3	-13.0	-18.3	3	Horizontal	Pass
1	1740.775	1000	3000	-27.1	-13.0	-14.1	3	Vertical	Pass
2	3192.575	1000	3000	-53.9	-13.0	-40.9	3	Vertical	Pass
3	4932.1	1000	3000	-53.6	-13.0	-40.6	3	Vertical	Pass
4	9487.675	1000	3000	-48.1	-13.0	-35.1	3	Vertical	Pass
5	17988.95	1000	3000	-37.1	-13.0	-24.1	3	Vertical	Pass
6	1070.125	1000	3000	-60.6	-13.0	-47.6	3	Vertical	Pass
7	269.8	1000	3000	-25.9	-13.0	-12.9	3	Vertical	Pass

Remark:

- Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.
- Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 71 SCS15K 5M DFT-s-OFDM QPSK (1,1) L CH									
1	1327.675	1000	3000	-55.1	-13.0	-42.1	3	Vertical	Pass
2	1594.15	1000	3000	-56.7	-13.0	-43.7	3	Vertical	Pass
3	3195.975	1000	3000	-53.2	-13.0	-40.2	3	Vertical	Pass
4	4292.475	1000	3000	-55.0	-13.0	-42.0	3	Vertical	Pass
5	7583.675	1000	3000	-49.9	-13.0	-36.9	3	Vertical	Pass
6	11814.975	1000	3000	-45.5	-13.0	-32.5	3	Vertical	Pass
7	134.5	1000	3000	-28.0	-13.0	-15.0	3	Vertical	Pass
1	1327.25	1000	3000	-50.4	-13.0	-37.4	3	Horizontal	Pass
2	2121.15	1000	3000	-58.9	-13.0	-45.9	3	Horizontal	Pass
3	3233.375	1000	3000	-56.4	-13.0	-43.4	3	Horizontal	Pass
4	4980.55	1000	3000	-52.8	-13.0	-39.8	3	Horizontal	Pass
5	10053.35	1000	3000	-48.2	-13.0	-35.2	3	Horizontal	Pass
6	17966.85	1000	3000	-36.8	-13.0	-23.8	3	Horizontal	Pass
7	204.7	1000	3000	-31.6	-13.0	-18.6	3	Horizontal	Pass
NR Band 71 SCS15K 5M DFT-s-OFDM QPSK (1,1) M CH									
1	1342.125	1000	3000	-49.0	-13.0	-36.0	3	Horizontal	Pass
2	2122	1000	3000	-58.5	-13.0	-45.5	3	Horizontal	Pass
3	3063.375	1000	3000	-56.6	-13.0	-43.6	3	Horizontal	Pass
4	5914.275	1000	3000	-52.3	-13.0	-39.3	3	Horizontal	Pass
5	10809.425	1000	3000	-47.0	-13.0	-34.0	3	Horizontal	Pass
6	17912.875	1000	3000	-35.9	-13.0	-22.9	3	Horizontal	Pass
7	141.2	1000	3000	-26.2	-13.0	-13.2	3	Horizontal	Pass
1	1258.825	1000	3000	-61.3	-13.0	-48.3	3	Vertical	Pass
2	2075.675	1000	3000	-59.2	-13.0	-46.2	3	Vertical	Pass
3	3193	1000	3000	-55.4	-13.0	-42.4	3	Vertical	Pass
4	5526.25	1000	3000	-53.4	-13.0	-40.4	3	Vertical	Pass
5	10098.4	1000	3000	-48.7	-13.0	-35.7	3	Vertical	Pass
6	17985.125	1000	3000	-36.2	-13.0	-23.2	3	Vertical	Pass
7	209.4	1000	3000	-26.3	-13.0	-13.3	3	Vertical	Pass
NR Band 71 SCS15K 5M DFT-s-OFDM QPSK (1,1) H CH									
1	1173.825	1000	3000	-60.3	-13.0	-47.3	3	Vertical	Pass
2	2100.75	1000	3000	-58.4	-13.0	-45.4	3	Vertical	Pass
3	3188.75	1000	3000	-55.6	-13.0	-42.6	3	Vertical	Pass
4	5849.675	1000	3000	-51.9	-13.0	-38.9	3	Vertical	Pass
5	10122.625	1000	3000	-47.9	-13.0	-34.9	3	Vertical	Pass
6	17927.75	1000	3000	-37.5	-13.0	-24.5	3	Vertical	Pass
7	266.8	1000	3000	-24.5	-13.0	-11.5	3	Vertical	Pass
1	1366.35	1000	3000	-58.6	-13.0	-45.6	3	Horizontal	Pass
2	2571.65	1000	3000	-57.9	-13.0	-44.9	3	Horizontal	Pass
3	3750.6	1000	3000	-56.3	-13.0	-43.3	3	Horizontal	Pass
4	5534.325	1000	3000	-52.5	-13.0	-39.5	3	Horizontal	Pass
5	10546.35	1000	3000	-47.5	-13.0	-34.5	3	Horizontal	Pass
6	17906.5	1000	3000	-36.7	-13.0	-23.7	3	Horizontal	Pass
7	244.0	1000	3000	-28.2	-13.0	-15.2	3	Horizontal	Pass
Remark:									
1. Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;									
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.									
2. Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)									

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 77(3.45 GHz ~ 3.55 GHz) PC2 SCS30K 10M DFT-s-OFDM Pi/2 BPSK (1,1) L CH									
1	1223.55	1000	3000	-61.2	-13.0	-48.2	3	Horizontal	Pass
2	2082.05	1000	3000	-58.7	-13.0	-45.7	3	Horizontal	Pass
3	3452.675	1000	3000	-43.7	-13.0	-30.7	3	Horizontal	Pass
4	4977.575	1000	3000	-52.2	-13.0	-39.2	3	Horizontal	Pass
5	10094.575	1000	3000	-48.3	-13.0	-35.3	3	Horizontal	Pass
6	17922.225	1000	3000	-36.9	-13.0	-23.9	3	Horizontal	Pass
7	127.1	1000	3000	-24.1	-13.0	-11.1	3	Horizontal	Pass
1	1251.6	1000	3000	-61.3	-13.0	-48.3	3	Vertical	Pass
2	2074.825	1000	3000	-58.8	-13.0	-45.8	3	Vertical	Pass
3	3452.675	1000	3000	-38.2	-13.0	-25.2	3	Vertical	Pass
4	5766.375	1000	3000	-52.4	-13.0	-39.4	3	Vertical	Pass
5	10902.075	1000	3000	-46.6	-13.0	-33.6	3	Vertical	Pass
6	17913.725	1000	3000	-36.4	-13.0	-23.4	3	Vertical	Pass
7	252.3	1000	3000	-30.1	-13.0	-17.1	3	Vertical	Pass
NR Band 77(3.45 GHz ~ 3.55 GHz) PC2 SCS30K 10M DFT-s-OFDM Pi/2 BPSK (1,1) M CH									
1	1233.75	1000	3000	-61.6	-13.0	-48.6	3	Vertical	Pass
2	2093.1	1000	3000	-59.2	-13.0	-46.2	3	Vertical	Pass
3	3498.15	1000	3000	-29.1	-13.0	-16.1	3	Vertical	Pass
4	5834.375	1000	3000	-52.4	-13.0	-39.4	3	Vertical	Pass
5	8946.225	1000	3000	-49.3	-13.0	-36.3	3	Vertical	Pass
6	17949.85	1000	3000	-36.8	-13.0	-23.8	3	Vertical	Pass
7	111.1	1000	3000	-29.4	-13.0	-16.4	3	Vertical	Pass
1	1244.8	1000	3000	-61.2	-13.0	-48.2	3	Horizontal	Pass
2	2122.85	1000	3000	-59.0	-13.0	-46.0	3	Horizontal	Pass
3	3497.3	1000	3000	-44.0	-13.0	-31.0	3	Horizontal	Pass
4	6299.75	1000	3000	-51.8	-13.0	-38.8	3	Horizontal	Pass
5	11743.575	1000	3000	-45.5	-13.0	-32.5	3	Horizontal	Pass
6	17982.575	1000	3000	-35.6	-13.0	-22.6	3	Horizontal	Pass
7	209.7	1000	3000	-26.7	-13.0	-13.7	3	Horizontal	Pass
NR Band 77(3.45 GHz ~ 3.55 GHz) PC2 SCS30K 10M DFT-s-OFDM Pi/2 BPSK (1,1) H CH									
1	1233.75	1000	3000	-59.8	-13.0	-46.8	3	Horizontal	Pass
2	2111.375	1000	3000	-59.2	-13.0	-46.2	3	Horizontal	Pass
3	3542.775	1000	3000	-42.1	-13.0	-29.1	3	Horizontal	Pass
4	5583.2	1000	3000	-53.3	-13.0	-40.3	3	Horizontal	Pass
5	10062.7	1000	3000	-47.6	-13.0	-34.6	3	Horizontal	Pass
6	17882.7	1000	3000	-36.8	-13.0	-23.8	3	Horizontal	Pass
7	254.9	1000	3000	-26.3	-13.0	-13.3	3	Horizontal	Pass
1	1310.675	1000	3000	-61.5	-13.0	-48.5	3	Vertical	Pass
2	2517.675	1000	3000	-57.9	-13.0	-44.9	3	Vertical	Pass
3	3542.775	1000	3000	-31.2	-13.0	-18.2	3	Vertical	Pass
4	4987.35	1000	3000	-52.9	-13.0	-39.9	3	Vertical	Pass
5	9480.875	1000	3000	-47.9	-13.0	-34.9	3	Vertical	Pass
6	17935.4	1000	3000	-36.1	-13.0	-23.1	3	Vertical	Pass
7	243.0	1000	3000	-24.3	-13.0	-11.3	3	Vertical	Pass

Remark:

- Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.
- Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 77(3.7 GHz ~ 3.98 GHz) PC2 SCS30K 100M DFT-s-OFDM Pi/2 BPSK (1,1) L CH									
1	1284.325	1000	3000	-59.5	-13.0	-46.5	3	Vertical	Pass
2	2031.475	1000	3000	-59.0	-13.0	-46.0	3	Vertical	Pass
3	3702.15	1000	3000	-51.3	-13.0	-38.3	3	Vertical	Pass
4	5882.4	1000	3000	-52.3	-13.0	-39.3	3	Vertical	Pass
5	11899.975	1000	3000	-45.6	-13.0	-32.6	3	Vertical	Pass
6	17888.225	1000	3000	-36.9	-13.0	-23.9	3	Vertical	Pass
7	206.1	1000	3000	-31.6	-13.0	-18.6	3	Vertical	Pass
1	1261.375	1000	3000	-59.6	-13.0	-46.6	3	Horizontal	Pass
2	2040.825	1000	3000	-57.6	-13.0	-44.6	3	Horizontal	Pass
3	3703	1000	3000	-20.6	-13.0	-7.6	3	Horizontal	Pass
4	5131.425	1000	3000	-52.4	-13.0	-39.4	3	Horizontal	Pass
5	10085.225	1000	3000	-48.2	-13.0	-35.2	3	Horizontal	Pass
6	17917.975	1000	3000	-36.1	-13.0	-23.1	3	Horizontal	Pass
7	180.7	1000	3000	-26.5	-13.0	-13.5	3	Horizontal	Pass
NR Band 77(3.7 GHz ~ 3.98 GHz) PC2 SCS30K 100M DFT-s-OFDM Pi/2 BPSK (1,1) M CH									
1	1283.475	1000	3000	-58.5	-13.0	-45.5	3	Horizontal	Pass
2	2563.575	1000	3000	-58.5	-13.0	-45.5	3	Horizontal	Pass
3	3843.25	1000	3000	-32.0	-13.0	-19.0	3	Horizontal	Pass
4	6709.875	1000	3000	-51.3	-13.0	-38.3	3	Horizontal	Pass
5	11034.675	1000	3000	-46.4	-13.0	-33.4	3	Horizontal	Pass
6	17968.125	1000	3000	-36.3	-13.0	-23.3	3	Horizontal	Pass
7	171.5	1000	3000	-29.3	-13.0	-16.3	3	Horizontal	Pass
1	1265.2	1000	3000	-60.2	-13.0	-47.2	3	Vertical	Pass
2	2177.675	1000	3000	-59.5	-13.0	-46.5	3	Vertical	Pass
3	3841.975	1000	3000	-51.5	-13.0	-38.5	3	Vertical	Pass
4	7255.15	1000	3000	-50.0	-13.0	-37.0	3	Vertical	Pass
5	11989.225	1000	3000	-46.0	-13.0	-33.0	3	Vertical	Pass
6	17949	1000	3000	-36.3	-13.0	-23.3	3	Vertical	Pass
7	121.4	1000	3000	-32.0	-13.0	-19.0	3	Vertical	Pass
NR Band 77(3.7 GHz ~ 3.98 GHz) PC2 SCS30K 100M DFT-s-OFDM Pi/2 BPSK (1,1) H CH									
1	1301.75	1000	3000	-60.1	-13.0	-47.1	3	Vertical	Pass
2	2031.475	1000	3000	-58.7	-13.0	-45.7	3	Vertical	Pass
3	3865.35	1000	3000	-55.7	-13.0	-42.7	3	Vertical	Pass
4	6705.2	1000	3000	-51.7	-13.0	-38.7	3	Vertical	Pass
5	10966.675	1000	3000	-47.2	-13.0	-34.2	3	Vertical	Pass
6	17991.5	1000	3000	-36.4	-13.0	-23.4	3	Vertical	Pass
7	277.3	1000	3000	-32.0	-13.0	-19.0	3	Vertical	Pass
1	1297.5	1000	3000	-60.3	-13.0	-47.3	3	Horizontal	Pass
2	1991.1	1000	3000	-59.1	-13.0	-46.1	3	Horizontal	Pass
3	3973.725	1000	3000	-21.7	-13.0	-8.7	3	Horizontal	Pass
4	5477.375	1000	3000	-50.9	-13.0	-37.9	3	Horizontal	Pass
5	10069.075	1000	3000	-48.1	-13.0	-35.1	3	Horizontal	Pass
6	17989.8	1000	3000	-36.8	-13.0	-23.8	3	Horizontal	Pass
7	242.9	1000	3000	-25.1	-13.0	-12.1	3	Horizontal	Pass

Remark:

- Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.
- Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 77(3.45 GHz ~ 3.55 GHz) PC3 SCS30K 10M DFT-s-OFDM Pi/2 BPSK (1,1) L CH									
1	1392.7	1000	3000	-46.9	-13.0	-33.9	3	Vertical	Pass
2	3189.175	1000	3000	-49.7	-13.0	-36.7	3	Vertical	Pass
3	3453.95	1000	3000	-40.5	-13.0	-27.5	3	Vertical	Pass
4	6386.025	1000	3000	-44.1	-13.0	-31.1	3	Vertical	Pass
5	17928.6	1000	3000	-37.0	-13.0	-24.0	3	Vertical	Pass
6	1594.15	1000	3000	-51.3	-13.0	-38.3	3	Vertical	Pass
7	170.3	1000	3000	-29.0	-13.0	-16.0	3	Vertical	Pass
1	1205.275	1000	3000	-52.4	-13.0	-39.4	3	Horizontal	Pass
2	1399.5	1000	3000	-51.5	-13.0	-38.5	3	Horizontal	Pass
3	1592.875	1000	3000	-51.6	-13.0	-38.6	3	Horizontal	Pass
4	3453.525	1000	3000	-48.9	-13.0	-35.9	3	Horizontal	Pass
5	4986.5	1000	3000	-51.9	-13.0	-38.9	3	Horizontal	Pass
6	17907.35	1000	3000	-36.6	-13.0	-23.6	3	Horizontal	Pass
7	239.0	1000	3000	-31.3	-13.0	-18.3	3	Horizontal	Pass
NR Band 77(3.45 GHz ~ 3.55 GHz) PC3 SCS30K 10M DFT-s-OFDM Pi/2 BPSK (1,1) M CH									
1	1258.825	1000	3000	-52.4	-13.0	-39.4	3	Horizontal	Pass
2	1593.3	1000	3000	-54.0	-13.0	-41.0	3	Horizontal	Pass
3	3502.825	1000	3000	-40.7	-13.0	-27.7	3	Horizontal	Pass
4	7307.425	1000	3000	-50.2	-13.0	-37.2	3	Horizontal	Pass
5	17198.875	1000	3000	-18.9	-13.0	-5.9	3	Horizontal	Pass
6	3187.475	1000	3000	-52.0	-13.0	-39.0	3	Horizontal	Pass
7	152.0	1000	3000	-30.3	-13.0	-17.3	3	Horizontal	Pass
1	1390.575	1000	3000	-48.5	-13.0	-35.5	3	Vertical	Pass
2	2005.125	1000	3000	-52.8	-13.0	-39.8	3	Vertical	Pass
3	3194.275	1000	3000	-41.9	-13.0	-28.9	3	Vertical	Pass
4	6374.975	1000	3000	-48.8	-13.0	-35.8	3	Vertical	Pass
5	17940.925	1000	3000	-36.8	-13.0	-23.8	3	Vertical	Pass
6	3503.25	1000	3000	-34.8	-13.0	-21.8	3	Vertical	Pass
7	130.0	1000	3000	-32.5	-13.0	-19.5	3	Vertical	Pass
NR Band 77(3.45 GHz ~ 3.55 GHz) PC3 SCS30K 10M DFT-s-OFDM Pi/2 BPSK (1,1) H CH									
1	1396.525	1000	3000	-48.6	-13.0	-35.6	3	Vertical	Pass
2	2090.125	1000	3000	-56.2	-13.0	-43.2	3	Vertical	Pass
3	3195.125	1000	3000	-48.8	-13.0	-35.8	3	Vertical	Pass
4	6381.775	1000	3000	-46.7	-13.0	-33.7	3	Vertical	Pass
5	17983.425	1000	3000	-36.3	-13.0	-23.3	3	Vertical	Pass
6	3548.3	1000	3000	-38.8	-13.0	-25.8	3	Vertical	Pass
7	89.3	1000	3000	-24.6	-13.0	-11.6	3	Vertical	Pass
1	1594.575	1000	3000	-48.6	-13.0	-35.6	3	Horizontal	Pass
2	3546.6	1000	3000	-46.1	-13.0	-33.1	3	Horizontal	Pass
3	6375.4	1000	3000	-50.0	-13.0	-37.0	3	Horizontal	Pass
4	11861.725	1000	3000	-45.3	-13.0	-32.3	3	Horizontal	Pass
5	17971.1	1000	3000	-36.5	-13.0	-23.5	3	Horizontal	Pass
6	1393.55	1000	3000	-51.7	-13.0	-38.7	3	Horizontal	Pass
7	173.1	1000	3000	-32.8	-13.0	-19.8	3	Horizontal	Pass

Remark:

1. Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.
2. Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)
3. 5G NR n77 has same RF characteristic and power setting as 5GNR n78.
4. 5G NR n77 overlaps the entire frequency range of 5G NR n78. Therefore, test data provided in this report covers 5G NR n77 as well as 5G NR n78.

Number	Frequency (MHz)	RBW (kHz)	VBW (kHz)	Emission Level (dBm)	Limit (dBm)	Difference (dB)	Distance (m)	Polarization	Status
NR Band 77(3.7 GHz ~ 3.98 GHz) PC3 SCS30K 100M DFT-s-OFDM Pi/2 BPSK (1,1) L CH									
1	1299.625	1000	3000	-60.0	-13.0	-47.0	3	Horizontal	Pass
2	2030.2	1000	3000	-58.0	-13.0	-45.0	3	Horizontal	Pass
3	3705.975	1000	3000	-30.4	-13.0	-17.4	3	Horizontal	Pass
4	5856.475	1000	3000	-51.4	-13.0	-38.4	3	Horizontal	Pass
5	10094.15	1000	3000	-47.9	-13.0	-34.9	3	Horizontal	Pass
6	17928.6	1000	3000	-36.7	-13.0	-23.7	3	Horizontal	Pass
7	133.9	1000	3000	-31.2	-13.0	-18.2	3	Horizontal	Pass
1	1269.45	1000	3000	-60.3	-13.0	-47.3	3	Vertical	Pass
2	2024.675	1000	3000	-57.1	-13.0	-44.1	3	Vertical	Pass
3	3705.125	1000	3000	-52.2	-13.0	-39.2	3	Vertical	Pass
4	5501.6	1000	3000	-50.4	-13.0	-37.4	3	Vertical	Pass
5	10902.925	1000	3000	-47.4	-13.0	-34.4	3	Vertical	Pass
6	17998.725	1000	3000	-36.7	-13.0	-23.7	3	Vertical	Pass
7	162.4	1000	3000	-23.9	-13.0	-10.9	3	Vertical	Pass
NR Band 77(3.7 GHz ~ 3.98 GHz) PC3 SCS30K 100M DFT-s-OFDM Pi/2 BPSK (1,1) M CH									
1	1293.25	1000	3000	-60.9	-13.0	-47.9	3	Vertical	Pass
2	2224.425	1000	3000	-59.3	-13.0	-46.3	3	Vertical	Pass
3	3836.875	1000	3000	-51.8	-13.0	-38.8	3	Vertical	Pass
4	7932.6	1000	3000	-49.3	-13.0	-36.3	3	Vertical	Pass
5	12829.45	1000	3000	-46.8	-13.0	-33.8	3	Vertical	Pass
6	17946.025	1000	3000	-37.2	-13.0	-24.2	3	Vertical	Pass
7	252.5	1000	3000	-28.3	-13.0	-15.3	3	Vertical	Pass
1	1272.425	1000	3000	-59.8	-13.0	-46.8	3	Horizontal	Pass
2	2199.35	1000	3000	-59.5	-13.0	-46.5	3	Horizontal	Pass
3	3838.15	1000	3000	-34.4	-13.0	-21.4	3	Horizontal	Pass
4	5513.925	1000	3000	-51.7	-13.0	-38.7	3	Horizontal	Pass
5	10056.325	1000	3000	-47.7	-13.0	-34.7	3	Horizontal	Pass
6	17933.7	1000	3000	-37.2	-13.0	-24.2	3	Horizontal	Pass
7	220.6	1000	3000	-25.4	-13.0	-12.4	3	Horizontal	Pass
NR Band 77(3.7 GHz ~ 3.98 GHz) PC3 SCS30K 100M DFT-s-OFDM Pi/2 BPSK (1,1) H CH									
1	1306.425	1000	3000	-60.1	-13.0	-47.1	3	Horizontal	Pass
2	2569.525	1000	3000	-57.6	-13.0	-44.6	3	Horizontal	Pass
3	3972.875	1000	3000	-23.4	-13.0	-10.4	3	Horizontal	Pass
4	5850.95	1000	3000	-51.5	-13.0	-38.5	3	Horizontal	Pass
5	9422.225	1000	3000	-49.4	-13.0	-36.4	3	Horizontal	Pass
6	17959.2	1000	3000	-35.9	-13.0	-22.9	3	Horizontal	Pass
7	184.1	1000	3000	-25.1	-13.0	-12.1	3	Horizontal	Pass
1	1261.375	1000	3000	-60.0	-13.0	-47.0	3	Vertical	Pass
2	2007.675	1000	3000	-58.8	-13.0	-45.8	3	Vertical	Pass
3	3170.05	1000	3000	-55.4	-13.0	-42.4	3	Vertical	Pass
4	5502.875	1000	3000	-51.7	-13.0	-38.7	3	Vertical	Pass
5	9955.6	1000	3000	-48.1	-13.0	-35.1	3	Vertical	Pass
6	17956.225	1000	3000	-37.1	-13.0	-24.1	3	Vertical	Pass
7	157.6	1000	3000	-24.1	-13.0	-11.1	3	Vertical	Pass

Remark:

1. Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 - 2.15.
2. Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)
3. 5G NR n77 has same RF characteristic and power setting as 5G NR n78.
4. 5G NR n77 overlaps the entire frequency range of 5G NR n78. Therefore, test data provided in this report covers 5G NR n77 as well as 5G NR n78.

7.2 EFFECTIVE RADIATED POWER AND EFFECTIVE ISOTROPIC RADIATED POWER

7.2.1 Applicable Standard

According to FCC KDB 971168 D01 v03r01 Section 5.6 and ANSI C63.26: 2015 Section 5.2.5.5

7.2.2 Conformance Limit

For NR n5 SCS 15 kHz, NR n66 SCS 15 kHz:

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

For NR n2 SCS 15 kHz:

Mobile and portable stations are limited to 2 watts EIRP.

For NR n71 SCS 15 kHz:

Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

For NR n7 SCS 15 kHz, NR n41 SCS 30 kHz:

Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

Mobile and portable stations are limited to 1 Watt EIRP.

For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

Mobile devices are limited to 1Watt (30 dBm) EIRP.

7.2.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.2.4 Test Configuration

For E.R.P and E.I.R.P Measurements. Please refer to the section 7.1.4 in this report.

7.2.5 Test Procedure

For E.R.P and E.I.R.P Measurements. Please refer to the section 7.1.5 in this report.

7.2.6 Test Results

EUT:	ConBox2020RD	Model No.:	CB20RDNAR1
Temperature:	20 °C	Relative Humidity:	48%

Radiated Power (EIRP) for NR Band 2

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band2	5	370500	1	1	DFT-s-OFDM Pi/2 BPSK	24.4	33.01	Vertical
		370500	1	1		23.0	33.01	Horizontal
		376000	1	1		23.8	33.01	Vertical
		376000	1	1		25.5	33.01	Horizontal
		381500	1	1		23.8	33.01	Vertical
		381500	1	1		26.6	33.01	Horizontal
		370500	1	1	DFT-s-OFDM Pi/2 QPSK	23.3	33.01	Vertical
		370500	1	1		22.4	33.01	Horizontal
		376000	1	1		23.2	33.01	Vertical
		376000	1	1		25.8	33.01	Horizontal
		381500	1	1		23.3	33.01	Vertical
		381500	1	1		25.7	33.01	Horizontal
		370500	1	1	DFT-s-OFDM Pi/2 16QAM	23.3	33.01	Vertical
		370500	1	1		21.8	33.01	Horizontal
		376000	1	1		22.9	33.01	Vertical
		376000	1	1		24.9	33.01	Horizontal
		381500	1	1		22.9	33.01	Vertical
		381500	1	1		25.4	33.01	Horizontal
Band2	10	371000	1	1	DFT-s-OFDM Pi/2 BPSK	24.9	33.01	Vertical
		371000	1	1		23.1	33.01	Horizontal
		376000	1	1		23.5	33.01	Vertical
		376000	1	1		25.6	33.01	Horizontal
		381000	1	1		24.0	33.01	Vertical
		381000	1	1		26.4	33.01	Horizontal
		371000	1	1	DFT-s-OFDM Pi/2 QPSK	23.3	33.01	Vertical
		371000	1	1		22.1	33.01	Horizontal
		376000	1	1		23.5	33.01	Vertical
		376000	1	1		25.3	33.01	Horizontal
		381000	1	1		23.0	33.01	Vertical
		381000	1	1		25.5	33.01	Horizontal
		371000	1	1	DFT-s-OFDM Pi/2 16QAM	22.8	33.01	Vertical
		371000	1	1		22.0	33.01	Horizontal
		376000	1	1		23.4	33.01	Vertical
		376000	1	1		25.2	33.01	Horizontal
		381000	1	1		22.5	33.01	Vertical
		381000	1	1		25.0	33.01	Horizontal

Radiated Power (EIRP) for NR Band 2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band2	15	371500	1	1	DFT-s-OFDM Pi/2 BPSK	24.8	33.01	Vertical
		371500	1	1		22.8	33.01	Horizontal
		376000	1	1		23.2	33.01	Vertical
		376000	1	1		26.0	33.01	Horizontal
		380500	1	1		24.5	33.01	Vertical
		380500	1	1		26.6	33.01	Horizontal
		371500	1	1	DFT-s-OFDM Pi/2 QPSK	23.8	33.01	Vertical
		371500	1	1		21.9	33.01	Horizontal
		376000	1	1		23.3	33.01	Vertical
		376000	1	1		25.3	33.01	Horizontal
		380500	1	1		23.5	33.01	Vertical
		380500	1	1		25.6	33.01	Horizontal
		371500	1	1	DFT-s-OFDM Pi/2 16QAM	23.5	33.01	Vertical
		371500	1	1		21.5	33.01	Horizontal
		376000	1	1		22.7	33.01	Vertical
		376000	1	1		24.8	33.01	Horizontal
		380500	1	1		22.5	33.01	Vertical
		380500	1	1		25.3	33.01	Horizontal
Band2	20	372000	1	1	DFT-s-OFDM Pi/2 BPSK	24.9	33.01	Vertical
		372000	1	1		23.3	33.01	Horizontal
		376000	1	1		24.0	33.01	Vertical
		376000	1	1		26.3	33.01	Horizontal
		380000	1	1		24.6	33.01	Vertical
		380000	1	1		26.7	33.01	Horizontal
		372000	1	1	DFT-s-OFDM Pi/2 QPSK	24.0	33.01	Vertical
		372000	1	1		22.7	33.01	Horizontal
		376000	1	1		23.8	33.01	Vertical
		376000	1	1		25.9	33.01	Horizontal
		380000	1	1		23.7	33.01	Vertical
		380000	1	1		26.0	33.01	Horizontal
		372000	1	1	DFT-s-OFDM Pi/2 16QAM	23.6	33.01	Vertical
		372000	1	1		22.3	33.01	Horizontal
		376000	1	1		23.4	33.01	Vertical
		376000	1	1		25.3	33.01	Horizontal
		380000	1	1		23.3	33.01	Vertical
		380000	1	1		25.8	33.01	Horizontal

Radiated Power (ERP) for NR Band 5

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band5	5	165300	1	1	DFT-s-OFDM Pi/2 BPSK	22.5	38.45	Vertical
		165300	1	1		22.4	38.45	Horizontal
		167300	1	1		23.2	38.45	Vertical
		167300	1	1		25.1	38.45	Horizontal
		169300	1	1		23.0	38.45	Vertical
		169300	1	1		25.6	38.45	Horizontal
		165300	1	1	DFT-s-OFDM Pi/2 QPSK	22.5	38.45	Vertical
		165300	1	1		22.0	38.45	Horizontal
		167300	1	1		22.2	38.45	Vertical
		167300	1	1		24.9	38.45	Horizontal
		169300	1	1		23.0	38.45	Vertical
		169300	1	1		24.7	38.45	Horizontal
		165300	1	1	DFT-s-OFDM Pi/2 16QAM	22.2	38.45	Vertical
		165300	1	1		21.1	38.45	Horizontal
		167300	1	1		23.1	38.45	Vertical
		167300	1	1		24.9	38.45	Horizontal
		169300	1	1		22.0	38.45	Vertical
		169300	1	1		24.4	38.45	Horizontal
Band5	10	165800	1	1	DFT-s-OFDM Pi/2 BPSK	22.3	38.45	Vertical
		165800	1	1		22.8	38.45	Horizontal
		167300	1	1		23.0	38.45	Vertical
		167300	1	1		25.3	38.45	Horizontal
		168800	1	1		23.4	38.45	Vertical
		168800	1	1		25.6	38.45	Horizontal
		165800	1	1	DFT-s-OFDM Pi/2 QPSK	23.1	38.45	Vertical
		165800	1	1		22.3	38.45	Horizontal
		167300	1	1		22.4	38.45	Vertical
		167300	1	1		24.9	38.45	Horizontal
		168800	1	1		23.0	38.45	Vertical
		168800	1	1		24.5	38.45	Horizontal
		165800	1	1	DFT-s-OFDM Pi/2 16QAM	22.3	38.45	Vertical
		165800	1	1		20.8	38.45	Horizontal
		167300	1	1		23.0	38.45	Vertical
		167300	1	1		25.1	38.45	Horizontal
		168800	1	1		22.1	38.45	Vertical
		168800	1	1		24.4	38.45	Horizontal

Radiated Power (ERP) for NR Band 5								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band5	15	166300	1	1	DFT-s-OFDM Pi/2 BPSK	22.9	38.45	Vertical
		166300	1	1		22.6	38.45	Horizontal
		167300	1	1		23.0	38.45	Vertical
		167300	1	1		25.6	38.45	Horizontal
		168300	1	1		23.4	38.45	Vertical
		168300	1	1		25.7	38.45	Horizontal
		166300	1	1	DFT-s-OFDM Pi/2 QPSK	22.6	38.45	Vertical
		166300	1	1		21.8	38.45	Horizontal
		167300	1	1		22.8	38.45	Vertical
		167300	1	1		24.9	38.45	Horizontal
		168300	1	1		23.2	38.45	Vertical
		168300	1	1		25.0	38.45	Horizontal
		166300	1	1	DFT-s-OFDM Pi/2 16QAM	22.3	38.45	Vertical
		166300	1	1		21.5	38.45	Horizontal
		167300	1	1		23.2	38.45	Vertical
		167300	1	1		24.9	38.45	Horizontal
		168300	1	1		22.2	38.45	Vertical
		168300	1	1		24.4	38.45	Horizontal
Band5	20	166800	1	1	DFT-s-OFDM Pi/2 BPSK	23.1	38.45	Vertical
		166800	1	1		22.9	38.45	Horizontal
		167300	1	1		23.4	38.45	Vertical
		167300	1	1		25.8	38.45	Horizontal
		167800	1	1		23.7	38.45	Vertical
		167800	1	1		25.9	38.45	Horizontal
		166800	1	1	DFT-s-OFDM Pi/2 QPSK	23.3	38.45	Vertical
		166800	1	1		22.4	38.45	Horizontal
		167300	1	1		22.9	38.45	Vertical
		167300	1	1		25.6	38.45	Horizontal
		167800	1	1		23.6	38.45	Vertical
		167800	1	1		25.2	38.45	Horizontal
		166800	1	1	DFT-s-OFDM Pi/2 16QAM	22.7	38.45	Vertical
		166800	1	1		21.5	38.45	Horizontal
		167300	1	1		23.4	38.45	Vertical
		167300	1	1		25.2	38.45	Horizontal
		167800	1	1		22.7	38.45	Vertical
		167800	1	1		25.2	38.45	Horizontal

Radiated Power (EIRP) for NR Band 7

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band7	5	500500	1	1	DFT-s-OFDM Pi/2 BPSK	25.8	33.01	Vertical
		500500	1	1		24.7	33.01	Horizontal
		507000	1	1		23.8	33.01	Vertical
		507000	1	1		26.3	33.01	Horizontal
		513500	1	1		25.2	33.01	Vertical
		513500	1	1		27.4	33.01	Horizontal
		500500	1	1	DFT-s-OFDM Pi/2 QPSK	25.5	33.01	Vertical
		500500	1	1		24.5	33.01	Horizontal
		507000	1	1		24.5	33.01	Vertical
		507000	1	1		26.7	33.01	Horizontal
		513500	1	1		23.9	33.01	Vertical
		513500	1	1		26.6	33.01	Horizontal
		500500	1	1	DFT-s-OFDM Pi/2 16QAM	25.4	33.01	Vertical
		500500	1	1		24.1	33.01	Horizontal
		507000	1	1		23.5	33.01	Vertical
		507000	1	1		26.4	33.01	Horizontal
		513500	1	1		25.0	33.01	Vertical
		513500	1	1		26.4	33.01	Horizontal
Band7	10	501000	1	1	DFT-s-OFDM Pi/2 BPSK	25.9	33.01	Vertical
		501000	1	1		24.6	33.01	Horizontal
		507000	1	1		23.2	33.01	Vertical
		507000	1	1		26.3	33.01	Horizontal
		513000	1	1		25.2	33.01	Vertical
		513000	1	1		27.3	33.01	Horizontal
		501000	1	1	DFT-s-OFDM Pi/2 QPSK	25.1	33.01	Vertical
		501000	1	1		24.3	33.01	Horizontal
		507000	1	1		23.9	33.01	Vertical
		507000	1	1		26.3	33.01	Horizontal
		513000	1	1		23.9	33.01	Vertical
		513000	1	1		27.3	33.01	Horizontal
		501000	1	1	DFT-s-OFDM Pi/2 16QAM	25.1	33.01	Vertical
		501000	1	1		24.0	33.01	Horizontal
		507000	1	1		23.8	33.01	Vertical
		507000	1	1		26.3	33.01	Horizontal
		513000	1	1		24.8	33.01	Vertical
		513000	1	1		27.2	33.01	Horizontal

Radiated Power (EIRP) for NR Band 7

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band7	15	501500	1	1	DFT-s-OFDM Pi/2 BPSK	25.9	33.01	Vertical
		501500	1	1		24.8	33.01	Horizontal
		507000	1	1		23.7	33.01	Vertical
		507000	1	1		26.2	33.01	Horizontal
		512500	1	1		24.8	33.01	Vertical
		512500	1	1		27.2	33.01	Horizontal
		501500	1	1	DFT-s-OFDM Pi/2 QPSK	25.2	33.01	Vertical
		501500	1	1		24.4	33.01	Horizontal
		507000	1	1		24.5	33.01	Vertical
		507000	1	1		26.7	33.01	Horizontal
		512500	1	1		23.9	33.01	Vertical
		512500	1	1		26.6	33.01	Horizontal
		501500	1	1	DFT-s-OFDM Pi/2 16QAM	25.3	33.01	Vertical
		501500	1	1		24.1	33.01	Horizontal
		507000	1	1		23.8	33.01	Vertical
		507000	1	1		26.8	33.01	Horizontal
		512500	1	1		24.7	33.01	Vertical
		512500	1	1		26.8	33.01	Horizontal
Band7	20	502000	1	1	DFT-s-OFDM Pi/2 BPSK	26.1	33.01	Vertical
		502000	1	1		25.4	33.01	Horizontal
		507000	1	1		24.0	33.01	Vertical
		507000	1	1		26.5	33.01	Horizontal
		512000	1	1		25.2	33.01	Vertical
		512000	1	1		27.5	33.01	Horizontal
		502000	1	1	DFT-s-OFDM Pi/2 QPSK	25.9	33.01	Vertical
		502000	1	1		24.9	33.01	Horizontal
		507000	1	1		24.7	33.01	Vertical
		507000	1	1		26.8	33.01	Horizontal
		512000	1	1		24.3	33.01	Vertical
		512000	1	1		27.4	33.01	Horizontal
		502000	1	1	DFT-s-OFDM Pi/2 16QAM	25.5	33.01	Vertical
		502000	1	1		24.8	33.01	Horizontal
		507000	1	1		24.0	33.01	Vertical
		507000	1	1		26.9	33.01	Horizontal
		512000	1	1		25.2	33.01	Vertical
		512000	1	1		27.2	33.01	Horizontal

Radiated Power (EIRP) for NR Band 41								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band41	10	500202	1	1	DFT-s-OFDM Pi/2 BPSK	25.4	33.01	Vertical
		500202	1	1		24.6	33.01	Horizontal
		518598	1	1		23.4	33.01	Vertical
		518598	1	1		25.8	33.01	Horizontal
		537000	1	1		24.6	33.01	Vertical
		537000	1	1		26.4	33.01	Horizontal
		500202	1	1	DFT-s-OFDM Pi/2 QPSK	25.4	33.01	Vertical
		500202	1	1		23.5	33.01	Horizontal
		518598	1	1		23.5	33.01	Vertical
		518598	1	1		26.6	33.01	Horizontal
		537000	1	1		23.1	33.01	Vertical
		537000	1	1		26.3	33.01	Horizontal
		500202	1	1	DFT-s-OFDM Pi/2 16QAM	25.0	33.01	Vertical
		500202	1	1		24.1	33.01	Horizontal
		518598	1	1		23.3	33.01	Vertical
		518598	1	1		26.3	33.01	Horizontal
		537000	1	1		23.5	33.01	Vertical
		537000	1	1		26.5	33.01	Horizontal
Band41	15	500700	1	1	DFT-s-OFDM Pi/2 BPSK	25.7	33.01	Vertical
		500700	1	1		24.3	33.01	Horizontal
		518598	1	1		23.1	33.01	Vertical
		518598	1	1		25.3	33.01	Horizontal
		536496	1	1		25.0	33.01	Vertical
		536496	1	1		26.9	33.01	Horizontal
		500700	1	1	DFT-s-OFDM Pi/2 QPSK	25.4	33.01	Vertical
		500700	1	1		23.7	33.01	Horizontal
		518598	1	1		23.2	33.01	Vertical
		518598	1	1		26.3	33.01	Horizontal
		536496	1	1		22.9	33.01	Vertical
		536496	1	1		26.4	33.01	Horizontal
		500700	1	1	DFT-s-OFDM Pi/2 16QAM	24.7	33.01	Vertical
		500700	1	1		24.5	33.01	Horizontal
		518598	1	1		23.2	33.01	Vertical
		518598	1	1		25.9	33.01	Horizontal
		536496	1	1		24.1	33.01	Vertical
		536496	1	1		26.3	33.01	Horizontal

Radiated Power (EIRP) for NR Band 41								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band41	20	501204	1	1	DFT-s-OFDM Pi/2 BPSK	25.0	33.01	Vertical
		501204	1	1		24.5	33.01	Horizontal
		518598	1	1		23.4	33.01	Vertical
		518598	1	1		25.4	33.01	Horizontal
		535998	1	1		24.7	33.01	Vertical
		535998	1	1		26.4	33.01	Horizontal
		501204	1	1	DFT-s-OFDM Pi/2 QPSK	24.9	33.01	Vertical
		501204	1	1		23.5	33.01	Horizontal
		518598	1	1		23.3	33.01	Vertical
		518598	1	1		26.1	33.01	Horizontal
		535998	1	1		22.5	33.01	Vertical
		535998	1	1		26.2	33.01	Horizontal
		501204	1	1	DFT-s-OFDM Pi/2 16QAM	24.5	33.01	Vertical
		501204	1	1		24.4	33.01	Horizontal
		518598	1	1		23.2	33.01	Vertical
		518598	1	1		26.0	33.01	Horizontal
		535998	1	1		24.1	33.01	Vertical
		535998	1	1		27.1	33.01	Horizontal
Band41	40	503202	1	1	DFT-s-OFDM Pi/2 BPSK	25.7	33.01	Vertical
		503202	1	1		23.8	33.01	Horizontal
		518598	1	1		23.5	33.01	Vertical
		518598	1	1		25.8	33.01	Horizontal
		534000	1	1		24.9	33.01	Vertical
		534000	1	1		26.5	33.01	Horizontal
		503202	1	1	DFT-s-OFDM Pi/2 QPSK	25.5	33.01	Vertical
		503202	1	1		23.6	33.01	Horizontal
		518598	1	1		23.7	33.01	Vertical
		518598	1	1		26.4	33.01	Horizontal
		534000	1	1		23.2	33.01	Vertical
		534000	1	1		26.5	33.01	Horizontal
		503202	1	1	DFT-s-OFDM Pi/2 16QAM	24.6	33.01	Vertical
		503202	1	1		23.7	33.01	Horizontal
		518598	1	1		23.0	33.01	Vertical
		518598	1	1		25.6	33.01	Horizontal
		534000	1	1		24.1	33.01	Vertical
		534000	1	1		26.4	33.01	Horizontal

Radiated Power (EIRP) for NR Band 41								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band41	50	504204	1	1	DFT-s-OFDM Pi/2 BPSK	25.3	33.01	Vertical
		504204	1	1		24.0	33.01	Horizontal
		518598	1	1		23.4	33.01	Vertical
		518598	1	1		25.8	33.01	Horizontal
		532998	1	1		24.5	33.01	Vertical
		532998	1	1		27.0	33.01	Horizontal
		504204	1	1	DFT-s-OFDM Pi/2 QPSK	25.0	33.01	Vertical
		504204	1	1		23.8	33.01	Horizontal
		518598	1	1		23.4	33.01	Vertical
		518598	1	1		26.5	33.01	Horizontal
		532998	1	1		22.9	33.01	Vertical
		532998	1	1		26.6	33.01	Horizontal
		504204	1	1	DFT-s-OFDM Pi/2 16QAM	24.7	33.01	Vertical
		504204	1	1		23.8	33.01	Horizontal
		518598	1	1		23.7	33.01	Vertical
		518598	1	1		25.5	33.01	Horizontal
		532998	1	1		23.7	33.01	Vertical
		532998	1	1		26.3	33.01	Horizontal
Band41	60	505200	1	1	DFT-s-OFDM Pi/2 BPSK	25.2	33.01	Vertical
		505200	1	1		24.1	33.01	Horizontal
		518598	1	1		23.3	33.01	Vertical
		518598	1	1		25.7	33.01	Horizontal
		531996	1	1		24.9	33.01	Vertical
		531996	1	1		26.9	33.01	Horizontal
		505200	1	1	DFT-s-OFDM Pi/2 QPSK	25.5	33.01	Vertical
		505200	1	1		23.8	33.01	Horizontal
		518598	1	1		23.3	33.01	Vertical
		518598	1	1		26.1	33.01	Horizontal
		531996	1	1		23.2	33.01	Vertical
		531996	1	1		26.7	33.01	Horizontal
		505200	1	1	DFT-s-OFDM Pi/2 16QAM	24.3	33.01	Vertical
		505200	1	1		24.4	33.01	Horizontal
		518598	1	1		23.5	33.01	Vertical
		518598	1	1		26.2	33.01	Horizontal
		531996	1	1		24.1	33.01	Vertical
		531996	1	1		26.4	33.01	Horizontal

Radiated Power (EIRP) for NR Band 41								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band41	70	506202	1	1	DFT-s-OFDM Pi/2 BPSK	25.8	33.01	Vertical
		506202	1	1		23.8	33.01	Horizontal
		518598	1	1		23.4	33.01	Vertical
		518598	1	1		25.4	33.01	Horizontal
		531000	1	1		24.7	33.01	Vertical
		531000	1	1		26.8	33.01	Horizontal
		506202	1	1	DFT-s-OFDM Pi/2 QPSK	25.7	33.01	Vertical
		506202	1	1		23.4	33.01	Horizontal
		518598	1	1		23.5	33.01	Vertical
		518598	1	1		25.9	33.01	Horizontal
		531000	1	1		23.0	33.01	Vertical
		531000	1	1		26.5	33.01	Horizontal
		506202	1	1	DFT-s-OFDM Pi/2 16QAM	24.9	33.01	Vertical
		506202	1	1		23.7	33.01	Horizontal
		518598	1	1		23.0	33.01	Vertical
		518598	1	1		25.7	33.01	Horizontal
		531000	1	1		24.1	33.01	Vertical
		531000	1	1		26.4	33.01	Horizontal
Band41	80	507204	1	1	DFT-s-OFDM Pi/2 BPSK	25.1	33.01	Vertical
		507204	1	1		23.9	33.01	Horizontal
		518598	1	1		23.3	33.01	Vertical
		518598	1	1		25.3	33.01	Horizontal
		529998	1	1		24.5	33.01	Vertical
		529998	1	1		26.5	33.01	Horizontal
		507204	1	1	DFT-s-OFDM Pi/2 QPSK	25.7	33.01	Vertical
		507204	1	1		24.0	33.01	Horizontal
		518598	1	1		23.8	33.01	Vertical
		518598	1	1		26.6	33.01	Horizontal
		529998	1	1		22.6	33.01	Vertical
		529998	1	1		26.8	33.01	Horizontal
		507204	1	1	DFT-s-OFDM Pi/2 16QAM	24.6	33.01	Vertical
		507204	1	1		23.9	33.01	Horizontal
		518598	1	1		23.3	33.01	Vertical
		518598	1	1		25.9	33.01	Horizontal
		529998	1	1		23.5	33.01	Vertical
		529998	1	1		26.8	33.01	Horizontal

Radiated Power (EIRP) for NR Band 41								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band41	90	508200	1	1	DFT-s-OFDM Pi/2 BPSK	25.1	33.01	Vertical
		508200	1	1		24.0	33.01	Horizontal
		518598	1	1		22.9	33.01	Vertical
		518598	1	1		25.8	33.01	Horizontal
		528996	1	1		24.6	33.01	Vertical
		528996	1	1		27.0	33.01	Horizontal
		508200	1	1	DFT-s-OFDM Pi/2 QPSK	25.2	33.01	Vertical
		508200	1	1		23.7	33.01	Horizontal
		518598	1	1		23.6	33.01	Vertical
		518598	1	1		25.9	33.01	Horizontal
		528996	1	1		22.7	33.01	Vertical
		528996	1	1		26.2	33.01	Horizontal
		508200	1	1	DFT-s-OFDM Pi/2 16QAM	24.9	33.01	Vertical
		508200	1	1		24.5	33.01	Horizontal
		518598	1	1		23.7	33.01	Vertical
		518598	1	1		25.9	33.01	Horizontal
		528996	1	1		23.5	33.01	Vertical
		528996	1	1		26.7	33.01	Horizontal
Band41	100	509202	1	1	DFT-s-OFDM Pi/2 BPSK	25.8	33.01	Vertical
		509202	1	1		24.6	33.01	Horizontal
		518598	1	1		23.6	33.01	Vertical
		518598	1	1		25.9	33.01	Horizontal
		528000	1	1		25.2	33.01	Vertical
		528000	1	1		27.2	33.01	Horizontal
		509202	1	1	DFT-s-OFDM Pi/2 QPSK	25.7	33.01	Vertical
		509202	1	1		24.2	33.01	Horizontal
		518598	1	1		23.8	33.01	Vertical
		518598	1	1		26.7	33.01	Horizontal
		528000	1	1		23.3	33.01	Vertical
		528000	1	1		26.9	33.01	Horizontal
		509202	1	1	DFT-s-OFDM Pi/2 16QAM	25.1	33.01	Vertical
		509202	1	1		24.5	33.01	Horizontal
		518598	1	1		23.8	33.01	Vertical
		518598	1	1		26.3	33.01	Horizontal
		528000	1	1		24.3	33.01	Vertical
		528000	1	1		27.1	33.01	Horizontal

Radiated Power (EIRP) for NR Band 66								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band66	5	342500	1	1	DFT-s-OFDM Pi/2 BPSK	25.3	30.00	Vertical
		342500	1	1		21.5	30.00	Horizontal
		349000	1	1		24.0	30.00	Vertical
		349000	1	1		26.5	30.00	Horizontal
		355500	1	1		24.7	30.00	Vertical
		355500	1	1		26.5	30.00	Horizontal
		342500	1	1	DFT-s-OFDM Pi/2 QPSK	25.7	30.00	Vertical
		342500	1	1		21.5	30.00	Horizontal
		349000	1	1		24.7	30.00	Vertical
		349000	1	1		26.8	30.00	Horizontal
		355500	1	1		23.9	30.00	Vertical
		355500	1	1		26.0	30.00	Horizontal
		342500	1	1	DFT-s-OFDM Pi/2 16QAM	24.0	30.00	Vertical
		342500	1	1		21.1	30.00	Horizontal
		349000	1	1		23.8	30.00	Vertical
		349000	1	1		25.5	30.00	Horizontal
		355500	1	1		23.4	30.00	Vertical
		355500	1	1		25.2	30.00	Horizontal
Band66	10	343000	1	1	DFT-s-OFDM Pi/2 BPSK	25.7	30.00	Vertical
		343000	1	1		21.0	30.00	Horizontal
		349000	1	1		23.8	30.00	Vertical
		349000	1	1		26.7	30.00	Horizontal
		355000	1	1		24.6	30.00	Vertical
		355000	1	1		27.0	30.00	Horizontal
		343000	1	1	DFT-s-OFDM Pi/2 QPSK	25.7	30.00	Vertical
		343000	1	1		21.5	30.00	Horizontal
		349000	1	1		24.1	30.00	Vertical
		349000	1	1		26.5	30.00	Horizontal
		355000	1	1		23.9	30.00	Vertical
		355000	1	1		26.2	30.00	Horizontal
		343000	1	1	DFT-s-OFDM Pi/2 16QAM	24.2	30.00	Vertical
		343000	1	1		21.4	30.00	Horizontal
		349000	1	1		24.2	30.00	Vertical
		349000	1	1		25.9	30.00	Horizontal
		355000	1	1		23.3	30.00	Vertical
		355000	1	1		25.4	30.00	Horizontal

Radiated Power (EIRP) for NR Band 66

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band66	15	343500	1	1	DFT-s-OFDM Pi/2 BPSK	25.8	30.00	Vertical
		343500	1	1		21.3	30.00	Horizontal
		349000	1	1		24.4	30.00	Vertical
		349000	1	1		26.2	30.00	Horizontal
		354500	1	1		24.5	30.00	Vertical
		354500	1	1		26.5	30.00	Horizontal
		343500	1	1	DFT-s-OFDM Pi/2 QPSK	26.2	30.00	Vertical
		343500	1	1		21.4	30.00	Horizontal
		349000	1	1		24.6	30.00	Vertical
		349000	1	1		26.2	30.00	Horizontal
		354500	1	1		23.3	30.00	Vertical
		354500	1	1		26.7	30.00	Horizontal
		343500	1	1	DFT-s-OFDM Pi/2 16QAM	24.3	30.00	Vertical
		343500	1	1		21.6	30.00	Horizontal
		349000	1	1		24.1	30.00	Vertical
		349000	1	1		25.6	30.00	Horizontal
		354500	1	1		23.4	30.00	Vertical
		354500	1	1		25.4	30.00	Horizontal
Band66	20	344000	1	1	DFT-s-OFDM Pi/2 BPSK	25.6	30.00	Vertical
		344000	1	1		21.3	30.00	Horizontal
		349000	1	1		24.1	30.00	Vertical
		349000	1	1		26.8	30.00	Horizontal
		354000	1	1		24.6	30.00	Vertical
		354000	1	1		26.4	30.00	Horizontal
		344000	1	1	DFT-s-OFDM Pi/2 QPSK	26.1	30.00	Vertical
		344000	1	1		21.1	30.00	Horizontal
		349000	1	1		24.1	30.00	Vertical
		349000	1	1		26.3	30.00	Horizontal
		354000	1	1		23.7	30.00	Vertical
		354000	1	1		26.6	30.00	Horizontal
		344000	1	1	DFT-s-OFDM Pi/2 16QAM	24.5	30.00	Vertical
		344000	1	1		21.5	30.00	Horizontal
		349000	1	1		23.4	30.00	Vertical
		349000	1	1		25.5	30.00	Horizontal
		354000	1	1		23.7	30.00	Vertical
		354000	1	1		25.4	30.00	Horizontal

Radiated Power (EIRP) for NR Band 66								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band66	40	346000	1	1	DFT-s-OFDM Pi/2 BPSK	25.9	30.00	Vertical
		346000	1	1		21.7	30.00	Horizontal
		349000	1	1		24.4	30.00	Vertical
		349000	1	1		27.0	30.00	Horizontal
		352000	1	1		24.7	30.00	Vertical
		352000	1	1		27.0	30.00	Horizontal
		346000	1	1	DFT-s-OFDM Pi/2 QPSK	26.4	30.00	Vertical
		346000	1	1		21.9	30.00	Horizontal
		349000	1	1		24.8	30.00	Vertical
		349000	1	1		26.9	30.00	Horizontal
		352000	1	1		24.0	30.00	Vertical
		352000	1	1		26.8	30.00	Horizontal
		346000	1	1	DFT-s-OFDM Pi/2 16QAM	24.8	30.00	Vertical
		346000	1	1		21.8	30.00	Horizontal
		349000	1	1		24.2	30.00	Vertical
		349000	1	1		26.1	30.00	Horizontal
		352000	1	1		24.1	30.00	Vertical
		352000	1	1		25.5	30.00	Horizontal

Radiated Power (ERP) for NR Band 71								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band71	5	133100	1	1	DFT-s-OFDM Pi/2 BPSK	22.2	34.77	Vertical
		133100	1	1		21.6	34.77	Horizontal
		136100	1	1		22.8	34.77	Vertical
		136100	1	1		24.7	34.77	Horizontal
		139100	1	1		22.4	34.77	Vertical
		139100	1	1		25.2	34.77	Horizontal
		133100	1	1	DFT-s-OFDM Pi/2 QPSK	23.0	34.77	Vertical
		133100	1	1		21.1	34.77	Horizontal
		136100	1	1		21.4	34.77	Vertical
		136100	1	1		24.6	34.77	Horizontal
		139100	1	1		23.2	34.77	Vertical
		139100	1	1		24.1	34.77	Horizontal
		133100	1	1	DFT-s-OFDM Pi/2 16QAM	21.5	34.77	Vertical
		133100	1	1		20.6	34.77	Horizontal
		136100	1	1		23.1	34.77	Vertical
		136100	1	1		24.9	34.77	Horizontal
		139100	1	1		21.3	34.77	Vertical
		139100	1	1		24.1	34.77	Horizontal
Band71	10	133600	1	1	DFT-s-OFDM Pi/2 BPSK	22.4	34.77	Vertical
		133600	1	1		21.7	34.77	Horizontal
		136100	1	1		23.2	34.77	Vertical
		136100	1	1		24.9	34.77	Horizontal
		138600	1	1		22.3	34.77	Vertical
		138600	1	1		24.9	34.77	Horizontal
		133600	1	1	DFT-s-OFDM Pi/2 QPSK	23.1	34.77	Vertical
		133600	1	1		21.7	34.77	Horizontal
		136100	1	1		21.5	34.77	Vertical
		136100	1	1		24.2	34.77	Horizontal
		138600	1	1		22.7	34.77	Vertical
		138600	1	1		24.2	34.77	Horizontal
		133600	1	1	DFT-s-OFDM Pi/2 16QAM	21.1	34.77	Vertical
		133600	1	1		20.5	34.77	Horizontal
		136100	1	1		22.5	34.77	Vertical
		136100	1	1		24.9	34.77	Horizontal
		138600	1	1		20.9	34.77	Vertical
		138600	1	1		24.1	34.77	Horizontal

Radiated Power (ERP) for NR Band 71								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band71	15	134100	1	1	DFT-s-OFDM Pi/2 BPSK	22.6	34.77	Vertical
		134100	1	1		21.5	34.77	Horizontal
		136100	1	1		23.2	34.77	Vertical
		136100	1	1		24.6	34.77	Horizontal
		138100	1	1		23.1	34.77	Vertical
		138100	1	1		24.9	34.77	Horizontal
		134100	1	1	DFT-s-OFDM Pi/2 QPSK	22.4	34.77	Vertical
		134100	1	1		21.2	34.77	Horizontal
		136100	1	1		22.1	34.77	Vertical
		136100	1	1		25.0	34.77	Horizontal
		138100	1	1		22.7	34.77	Vertical
		138100	1	1		24.5	34.77	Horizontal
		134100	1	1	DFT-s-OFDM Pi/2 16QAM	21.5	34.77	Vertical
		134100	1	1		21.0	34.77	Horizontal
		136100	1	1		22.9	34.77	Vertical
		136100	1	1		24.9	34.77	Horizontal
		138100	1	1		21.2	34.77	Vertical
		138100	1	1		24.5	34.77	Horizontal
Band71	20	134600	1	1	DFT-s-OFDM Pi/2 BPSK	22.8	34.77	Vertical
		134600	1	1		22.2	34.77	Horizontal
		136100	1	1		23.3	34.77	Vertical
		136100	1	1		25.4	34.77	Horizontal
		137600	1	1		23.1	34.77	Vertical
		137600	1	1		25.4	34.77	Horizontal
		134600	1	1	DFT-s-OFDM Pi/2 QPSK	23.1	34.77	Vertical
		134600	1	1		21.7	34.77	Horizontal
		136100	1	1		22.1	34.77	Vertical
		136100	1	1		25.0	34.77	Horizontal
		137600	1	1		23.5	34.77	Vertical
		137600	1	1		24.8	34.77	Horizontal
		134600	1	1	DFT-s-OFDM Pi/2 16QAM	21.8	34.77	Vertical
		134600	1	1		21.0	34.77	Horizontal
		136100	1	1		23.3	34.77	Vertical
		136100	1	1		25.0	34.77	Horizontal
		137600	1	1		21.7	34.77	Vertical
		137600	1	1		24.6	34.77	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	10	630334	1	1	DFT-s-OFDM Pi/2 BPSK	24.0	30.00	Vertical
		630334	1	1		23.1	30.00	Horizontal
		633334	1	1		25.3	30.00	Vertical
		633334	1	1		24.3	30.00	Horizontal
		636332	1	1		24.3	30.00	Vertical
		636332	1	1		23.5	30.00	Horizontal
		630334	1	1	DFT-s-OFDM Pi/2 QPSK	23.9	30.00	Vertical
		630334	1	1		22.6	30.00	Horizontal
		633334	1	1		24.7	30.00	Vertical
		633334	1	1		23.0	30.00	Horizontal
		636332	1	1		24.5	30.00	Vertical
		636332	1	1		22.4	30.00	Horizontal
		630334	1	1	DFT-s-OFDM Pi/2 16QAM	22.4	30.00	Vertical
		630334	1	1		21.9	30.00	Horizontal
		633334	1	1		22.8	30.00	Vertical
		633334	1	1		21.9	30.00	Horizontal
		636332	1	1		21.6	30.00	Vertical
		636332	1	1		20.9	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	15	630500	1	1	DFT-s-OFDM Pi/2 BPSK	24.0	30.00	Vertical
		630500	1	1		22.4	30.00	Horizontal
		633334	1	1		24.8	30.00	Vertical
		633334	1	1		24.2	30.00	Horizontal
		636166	1	1		24.8	30.00	Vertical
		636166	1	1		24.1	30.00	Horizontal
		630500	1	1	DFT-s-OFDM Pi/2 QPSK	24.3	30.00	Vertical
		630500	1	1		22.7	30.00	Horizontal
		633334	1	1		24.7	30.00	Vertical
		633334	1	1		22.9	30.00	Horizontal
		636166	1	1		24.7	30.00	Vertical
		636166	1	1		22.3	30.00	Horizontal
		630500	1	1	DFT-s-OFDM Pi/2 16QAM	22.5	30.00	Vertical
		630500	1	1		21.2	30.00	Horizontal
		633334	1	1		22.5	30.00	Vertical
		633334	1	1		21.9	30.00	Horizontal
		636166	1	1		21.4	30.00	Vertical
		636166	1	1		21.4	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	20	630668	1	1	DFT-s-OFDM Pi/2 BPSK	24.4	30.00	Vertical
		630668	1	1		22.9	30.00	Horizontal
		633334	1	1		25.4	30.00	Vertical
		633334	1	1		23.9	30.00	Horizontal
		636000	1	1		24.7	30.00	Vertical
		636000	1	1		24.0	30.00	Horizontal
		630668	1	1	DFT-s-OFDM Pi/2 QPSK	24.2	30.00	Vertical
		630668	1	1		22.1	30.00	Horizontal
		633334	1	1		25.1	30.00	Vertical
		633334	1	1		22.9	30.00	Horizontal
		636000	1	1		24.8	30.00	Vertical
		636000	1	1		22.2	30.00	Horizontal
		630668	1	1	DFT-s-OFDM Pi/2 16QAM	22.3	30.00	Vertical
		630668	1	1		21.2	30.00	Horizontal
		633334	1	1		22.5	30.00	Vertical
		633334	1	1		22.1	30.00	Horizontal
		636000	1	1		21.6	30.00	Vertical
		636000	1	1		21.3	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	30	631000	1	1	DFT-s-OFDM Pi/2 BPSK	24.0	30.00	Vertical
		631000	1	1		22.4	30.00	Horizontal
		633334	1	1		25.4	30.00	Vertical
		633334	1	1		23.9	30.00	Horizontal
		635666	1	1		24.4	30.00	Vertical
		635666	1	1		23.9	30.00	Horizontal
		631000	1	1	DFT-s-OFDM Pi/2 QPSK	23.9	30.00	Vertical
		631000	1	1		22.1	30.00	Horizontal
		633334	1	1		24.5	30.00	Vertical
		633334	1	1		22.9	30.00	Horizontal
		635666	1	1		24.0	30.00	Vertical
		635666	1	1		22.2	30.00	Horizontal
		631000	1	1	DFT-s-OFDM Pi/2 16QAM	22.4	30.00	Vertical
		631000	1	1		21.3	30.00	Horizontal
		633334	1	1		22.4	30.00	Vertical
		633334	1	1		22.3	30.00	Horizontal
		635666	1	1		21.4	30.00	Vertical
		635666	1	1		21.6	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	40	631334	1	1	DFT-s-OFDM Pi/2 BPSK	24.2	30.00	Vertical
		631334	1	1		22.4	30.00	Horizontal
		633334	1	1		25.4	30.00	Vertical
		633334	1	1		24.0	30.00	Horizontal
		635332	1	1		24.6	30.00	Vertical
		635332	1	1		24.1	30.00	Horizontal
		631334	1	1	DFT-s-OFDM Pi/2 QPSK	24.1	30.00	Vertical
		631334	1	1		22.2	30.00	Horizontal
		633334	1	1		24.5	30.00	Vertical
		633334	1	1		23.0	30.00	Horizontal
		635332	1	1		24.2	30.00	Vertical
		635332	1	1		22.6	30.00	Horizontal
		631334	1	1	DFT-s-OFDM Pi/2 16QAM	22.2	30.00	Vertical
		631334	1	1		21.9	30.00	Horizontal
		633334	1	1		22.2	30.00	Vertical
		633334	1	1		22.1	30.00	Horizontal
		635332	1	1		21.7	30.00	Vertical
		635332	1	1		21.5	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	50	631668	1	1	DFT-s-OFDM Pi/2 BPSK	24.3	30.00	Vertical
		631668	1	1		22.6	30.00	Horizontal
		633334	1	1		25.3	30.00	Vertical
		633334	1	1		23.7	30.00	Horizontal
		635000	1	1		25.0	30.00	Vertical
		635000	1	1		23.8	30.00	Horizontal
		631668	1	1	DFT-s-OFDM Pi/2 QPSK	24.7	30.00	Vertical
		631668	1	1		22.5	30.00	Horizontal
		633334	1	1		24.5	30.00	Vertical
		633334	1	1		23.1	30.00	Horizontal
		635000	1	1		24.6	30.00	Vertical
		635000	1	1		22.1	30.00	Horizontal
		631668	1	1	DFT-s-OFDM Pi/2 16QAM	22.1	30.00	Vertical
		631668	1	1		21.4	30.00	Horizontal
		633334	1	1		22.8	30.00	Vertical
		633334	1	1		22.1	30.00	Horizontal
		635000	1	1		21.8	30.00	Vertical
		635000	1	1		20.8	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	60	632000	1	1	DFT-s-OFDM Pi/2 BPSK	24.1	30.00	Vertical
		632000	1	1		22.9	30.00	Horizontal
		633334	1	1		25.0	30.00	Vertical
		633334	1	1		24.1	30.00	Horizontal
		634666	1	1		25.0	30.00	Vertical
		634666	1	1		23.4	30.00	Horizontal
		632000	1	1	DFT-s-OFDM Pi/2 QPSK	24.5	30.00	Vertical
		632000	1	1		22.4	30.00	Horizontal
		633334	1	1		25.0	30.00	Vertical
		633334	1	1		22.7	30.00	Horizontal
		634666	1	1		24.1	30.00	Vertical
		634666	1	1		22.6	30.00	Horizontal
		632000	1	1	DFT-s-OFDM Pi/2 16QAM	22.5	30.00	Vertical
		632000	1	1		21.6	30.00	Horizontal
		633334	1	1		22.3	30.00	Vertical
		633334	1	1		22.1	30.00	Horizontal
		634666	1	1		21.5	30.00	Vertical
		634666	1	1		21.1	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	70	632334	1	1	DFT-s-OFDM Pi/2 BPSK	24.1	30.00	Vertical
		632334	1	1		22.5	30.00	Horizontal
		633334	1	1		25.2	30.00	Vertical
		633334	1	1		24.3	30.00	Horizontal
		634332	1	1		25.0	30.00	Vertical
		634332	1	1		23.7	30.00	Horizontal
		632334	1	1	DFT-s-OFDM Pi/2 QPSK	24.2	30.00	Vertical
		632334	1	1		22.1	30.00	Horizontal
		633334	1	1		24.6	30.00	Vertical
		633334	1	1		22.8	30.00	Horizontal
		634332	1	1		24.0	30.00	Vertical
		634332	1	1		22.2	30.00	Horizontal
		632334	1	1	DFT-s-OFDM Pi/2 16QAM	22.8	30.00	Vertical
		632334	1	1		21.9	30.00	Horizontal
		633334	1	1		22.4	30.00	Vertical
		633334	1	1		21.8	30.00	Horizontal
		634332	1	1		21.7	30.00	Vertical
		634332	1	1		21.4	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	80	632668	1	1	DFT-s-OFDM Pi/2 BPSK	24.7	30.00	Vertical
		632668	1	1		22.5	30.00	Horizontal
		633334	1	1		24.9	30.00	Vertical
		633334	1	1		24.4	30.00	Horizontal
		634000	1	1		24.3	30.00	Vertical
		634000	1	1		23.7	30.00	Horizontal
		632668	1	1	DFT-s-OFDM Pi/2 QPSK	24.1	30.00	Vertical
		632668	1	1		22.1	30.00	Horizontal
		633334	1	1		25.0	30.00	Vertical
		633334	1	1		22.8	30.00	Horizontal
		634000	1	1		24.6	30.00	Vertical
		634000	1	1		22.0	30.00	Horizontal
		632668	1	1	DFT-s-OFDM Pi/2 16QAM	22.5	30.00	Vertical
		632668	1	1		21.3	30.00	Horizontal
		633334	1	1		22.9	30.00	Vertical
		633334	1	1		21.8	30.00	Horizontal
		634000	1	1		21.2	30.00	Vertical
		634000	1	1		21.3	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	90	633000	1	1	DFT-s-OFDM Pi/2 BPSK	24.6	30.00	Vertical
		633000	1	1		22.5	30.00	Horizontal
		633334	1	1		25.2	30.00	Vertical
		633334	1	1		24.4	30.00	Horizontal
		633666	1	1		24.6	30.00	Vertical
		633666	1	1		23.4	30.00	Horizontal
		633000	1	1	DFT-s-OFDM Pi/2 QPSK	23.9	30.00	Vertical
		633000	1	1		22.1	30.00	Horizontal
		633334	1	1		25.0	30.00	Vertical
		633334	1	1		22.4	30.00	Horizontal
		633666	1	1		24.5	30.00	Vertical
		633666	1	1		22.3	30.00	Horizontal
		633000	1	1	DFT-s-OFDM Pi/2 16QAM	22.5	30.00	Vertical
		633000	1	1		21.6	30.00	Horizontal
		633334	1	1		22.6	30.00	Vertical
		633334	1	1		22.5	30.00	Horizontal
		633666	1	1		21.8	30.00	Vertical
		633666	1	1		21.5	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	100	633334	1	1	DFT-s-OFDM Pi/2 BPSK	25.5	30.00	Vertical
		633334	1	1		24.4	30.00	Horizontal
		633334	1	1	DFT-s-OFDM Pi/2 QPSK	25.1	30.00	Vertical
		633334	1	1		23.2	30.00	Horizontal
		633334	1	1	DFT-s-OFDM Pi/2 16QAM	23.0	30.00	Vertical
		633334	1	1		22.5	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	10	647000	1	1	DFT-s-OFDM Pi/2 BPSK	24.1	30.00	Vertical
		647000	1	1		22.3	30.00	Horizontal
		656000	1	1		24.3	30.00	Vertical
		656000	1	1		22.8	30.00	Horizontal
		665000	1	1		24.2	30.00	Vertical
		665000	1	1		22.7	30.00	Horizontal
		647000	1	1	DFT-s-OFDM Pi/2 QPSK	23.5	30.00	Vertical
		647000	1	1		22.0	30.00	Horizontal
		656000	1	1		24.1	30.00	Vertical
		656000	1	1		21.9	30.00	Horizontal
		665000	1	1		22.9	30.00	Vertical
		665000	1	1		21.8	30.00	Horizontal
		647000	1	1	DFT-s-OFDM Pi/2 16QAM	22.3	30.00	Vertical
		647000	1	1		21.0	30.00	Horizontal
		656000	1	1		22.7	30.00	Vertical
		656000	1	1		21.6	30.00	Horizontal
		665000	1	1		20.6	30.00	Vertical
		665000	1	1		20.6	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	15	647168	1	1	DFT-s-OFDM Pi/2 BPSK	23.4	30.00	Vertical
		647168	1	1		22.2	30.00	Horizontal
		656000	1	1		24.8	30.00	Vertical
		656000	1	1		23.1	30.00	Horizontal
		664832	1	1		23.7	30.00	Vertical
		664832	1	1		22.7	30.00	Horizontal
		647168	1	1	DFT-s-OFDM Pi/2 QPSK	23.2	30.00	Vertical
		647168	1	1		21.8	30.00	Horizontal
		656000	1	1		23.7	30.00	Vertical
		656000	1	1		22.1	30.00	Horizontal
		664832	1	1		23.2	30.00	Vertical
		664832	1	1		21.7	30.00	Horizontal
		647168	1	1	DFT-s-OFDM Pi/2 16QAM	22.7	30.00	Vertical
		647168	1	1		20.6	30.00	Horizontal
		656000	1	1		22.9	30.00	Vertical
		656000	1	1		21.8	30.00	Horizontal
		664832	1	1		21.2	30.00	Vertical
		664832	1	1		20.1	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	20	647334	1	1	DFT-s-OFDM Pi/2 BPSK	23.3	30.00	Vertical
		647334	1	1		22.1	30.00	Horizontal
		656000	1	1		25.0	30.00	Vertical
		656000	1	1		23.0	30.00	Horizontal
		664666	1	1		23.6	30.00	Vertical
		664666	1	1		23.1	30.00	Horizontal
		647334	1	1	DFT-s-OFDM Pi/2 QPSK	23.1	30.00	Vertical
		647334	1	1		21.7	30.00	Horizontal
		656000	1	1		23.6	30.00	Vertical
		656000	1	1		21.7	30.00	Horizontal
		664666	1	1		23.6	30.00	Vertical
		664666	1	1		22.1	30.00	Horizontal
		647334	1	1	DFT-s-OFDM Pi/2 16QAM	22.3	30.00	Vertical
		647334	1	1		21.0	30.00	Horizontal
		656000	1	1		22.8	30.00	Vertical
		656000	1	1		22.1	30.00	Horizontal
		664666	1	1		21.1	30.00	Vertical
		664666	1	1		20.1	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	30	647668	1	1	DFT-s-OFDM Pi/2 BPSK	23.8	30.00	Vertical
		647668	1	1		22.2	30.00	Horizontal
		656000	1	1		24.8	30.00	Vertical
		656000	1	1		23.2	30.00	Horizontal
		664332	1	1		24.3	30.00	Vertical
		664332	1	1		22.6	30.00	Horizontal
		647668	1	1	DFT-s-OFDM Pi/2 QPSK	23.7	30.00	Vertical
		647668	1	1		22.1	30.00	Horizontal
		656000	1	1		23.4	30.00	Vertical
		656000	1	1		22.0	30.00	Horizontal
		664332	1	1		23.6	30.00	Vertical
		664332	1	1		21.5	30.00	Horizontal
		647668	1	1	DFT-s-OFDM Pi/2 16QAM	22.4	30.00	Vertical
		647668	1	1		20.7	30.00	Horizontal
		656000	1	1		22.9	30.00	Vertical
		656000	1	1		21.8	30.00	Horizontal
		664332	1	1		20.8	30.00	Vertical
		664332	1	1		20.3	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	40	648000	1	1	DFT-s-OFDM Pi/2 BPSK	23.7	30.00	Vertical
		648000	1	1		22.4	30.00	Horizontal
		656000	1	1		25.1	30.00	Vertical
		656000	1	1		22.9	30.00	Horizontal
		664000	1	1		23.6	30.00	Vertical
		664000	1	1		22.4	30.00	Horizontal
		648000	1	1	DFT-s-OFDM Pi/2 QPSK	23.7	30.00	Vertical
		648000	1	1		21.8	30.00	Horizontal
		656000	1	1		23.7	30.00	Vertical
		656000	1	1		21.6	30.00	Horizontal
		664000	1	1		23.7	30.00	Vertical
		664000	1	1		21.8	30.00	Horizontal
		648000	1	1	DFT-s-OFDM Pi/2 16QAM	22.3	30.00	Vertical
		648000	1	1		20.7	30.00	Horizontal
		656000	1	1		22.4	30.00	Vertical
		656000	1	1		21.7	30.00	Horizontal
		664000	1	1		20.9	30.00	Vertical
		664000	1	1		20.5	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	50	648334	1	1	DFT-s-OFDM Pi/2 BPSK	24.0	30.00	Vertical
		648334	1	1		22.4	30.00	Horizontal
		656000	1	1		25.0	30.00	Vertical
		656000	1	1		23.0	30.00	Horizontal
		663666	1	1		24.3	30.00	Vertical
		663666	1	1		22.8	30.00	Horizontal
		648334	1	1	DFT-s-OFDM Pi/2 QPSK	23.5	30.00	Vertical
		648334	1	1		21.5	30.00	Horizontal
		656000	1	1		24.0	30.00	Vertical
		656000	1	1		21.6	30.00	Horizontal
		663666	1	1		23.2	30.00	Vertical
		663666	1	1		21.6	30.00	Horizontal
		648334	1	1	DFT-s-OFDM Pi/2 16QAM	22.7	30.00	Vertical
		648334	1	1		20.7	30.00	Horizontal
		656000	1	1		22.4	30.00	Vertical
		656000	1	1		22.2	30.00	Horizontal
		663666	1	1		21.2	30.00	Vertical
		663666	1	1		20.2	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	60	648668	1	1	DFT-s-OFDM Pi/2 BPSK	24.0	30.00	Vertical
		648668	1	1		22.3	30.00	Horizontal
		656000	1	1		24.5	30.00	Vertical
		656000	1	1		23.3	30.00	Horizontal
		663332	1	1		24.0	30.00	Vertical
		663332	1	1		23.1	30.00	Horizontal
		648668	1	1	DFT-s-OFDM Pi/2 QPSK	23.8	30.00	Vertical
		648668	1	1		21.6	30.00	Horizontal
		656000	1	1		23.5	30.00	Vertical
		656000	1	1		21.9	30.00	Horizontal
		663332	1	1		23.1	30.00	Vertical
		663332	1	1		21.5	30.00	Horizontal
		648668	1	1	DFT-s-OFDM Pi/2 16QAM	22.6	30.00	Vertical
		648668	1	1		21.0	30.00	Horizontal
		656000	1	1		22.8	30.00	Vertical
		656000	1	1		21.9	30.00	Horizontal
		663332	1	1		20.9	30.00	Vertical
		663332	1	1		20.3	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	70	649000	1	1	DFT-s-OFDM Pi/2 BPSK	24.1	30.00	Vertical
		649000	1	1		22.3	30.00	Horizontal
		656000	1	1		25.0	30.00	Vertical
		656000	1	1		23.3	30.00	Horizontal
		663000	1	1		24.1	30.00	Vertical
		663000	1	1		22.6	30.00	Horizontal
		649000	1	1	DFT-s-OFDM Pi/2 QPSK	23.1	30.00	Vertical
		649000	1	1		21.4	30.00	Horizontal
		656000	1	1		23.5	30.00	Vertical
		656000	1	1		21.5	30.00	Horizontal
		663000	1	1		23.6	30.00	Vertical
		663000	1	1		22.1	30.00	Horizontal
		649000	1	1	DFT-s-OFDM Pi/2 16QAM	22.6	30.00	Vertical
		649000	1	1		21.1	30.00	Horizontal
		656000	1	1		22.7	30.00	Vertical
		656000	1	1		21.7	30.00	Horizontal
		663000	1	1		21.4	30.00	Vertical
		663000	1	1		20.6	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	80	649334	1	1	DFT-s-OFDM Pi/2 BPSK	23.3	30.00	Vertical
		649334	1	1		22.7	30.00	Horizontal
		656000	1	1		24.8	30.00	Vertical
		656000	1	1		22.7	30.00	Horizontal
		662666	1	1		24.1	30.00	Vertical
		662666	1	1		22.7	30.00	Horizontal
		649334	1	1	DFT-s-OFDM Pi/2 QPSK	23.6	30.00	Vertical
		649334	1	1		21.6	30.00	Horizontal
		656000	1	1		24.1	30.00	Vertical
		656000	1	1		22.2	30.00	Horizontal
		662666	1	1		23.5	30.00	Vertical
		662666	1	1		21.9	30.00	Horizontal
		649334	1	1	DFT-s-OFDM Pi/2 16QAM	22.0	30.00	Vertical
		649334	1	1		20.5	30.00	Horizontal
		656000	1	1		22.8	30.00	Vertical
		656000	1	1		21.8	30.00	Horizontal
		662666	1	1		20.8	30.00	Vertical
		662666	1	1		20.1	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	90	649668	1	1	DFT-s-OFDM Pi/2 BPSK	23.3	30.00	Vertical
		649668	1	1		22.5	30.00	Horizontal
		656000	1	1		24.4	30.00	Vertical
		656000	1	1		22.9	30.00	Horizontal
		662332	1	1		24.2	30.00	Vertical
		662332	1	1		22.9	30.00	Horizontal
		649668	1	1	DFT-s-OFDM Pi/2 QPSK	23.2	30.00	Vertical
		649668	1	1		21.7	30.00	Horizontal
		656000	1	1		23.7	30.00	Vertical
		656000	1	1		21.7	30.00	Horizontal
		662332	1	1		23.5	30.00	Vertical
		662332	1	1		22.2	30.00	Horizontal
		649668	1	1	DFT-s-OFDM Pi/2 16QAM	22.6	30.00	Vertical
		649668	1	1		20.9	30.00	Horizontal
		656000	1	1		22.9	30.00	Vertical
		656000	1	1		22.3	30.00	Horizontal
		662332	1	1		20.7	30.00	Vertical
		662332	1	1		20.8	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC2

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	100	650000	1	1	DFT-s-OFDM Pi/2 BPSK	24.1	30.00	Vertical
		650000	1	1		22.8	30.00	Horizontal
		656000	1	1		25.1	30.00	Vertical
		656000	1	1		23.5	30.00	Horizontal
		662000	1	1		24.4	30.00	Vertical
		662000	1	1		23.1	30.00	Horizontal
		650000	1	1	DFT-s-OFDM Pi/2 QPSK	23.8	30.00	Vertical
		650000	1	1		22.1	30.00	Horizontal
		656000	1	1		24.2	30.00	Vertical
		656000	1	1		22.3	30.00	Horizontal
		662000	1	1		23.7	30.00	Vertical
		662000	1	1		22.2	30.00	Horizontal
		650000	1	1	DFT-s-OFDM Pi/2 16QAM	22.7	30.00	Vertical
		650000	1	1		21.3	30.00	Horizontal
		656000	1	1		22.9	30.00	Vertical
		656000	1	1		22.4	30.00	Horizontal
		662000	1	1		21.4	30.00	Vertical
		662000	1	1		20.9	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	10	630334	1	1	DFT-s-OFDM Pi/2 BPSK	23.4	30.00	Vertical
		630334	1	1		21.7	30.00	Horizontal
		633334	1	1		23.8	30.00	Vertical
		633334	1	1		22.5	30.00	Horizontal
		636332	1	1		22.4	30.00	Vertical
		636332	1	1		21.7	30.00	Horizontal
		630334	1	1	DFT-s-OFDM Pi/2 QPSK	22.2	30.00	Vertical
		630334	1	1		21.3	30.00	Horizontal
		633334	1	1		22.9	30.00	Vertical
		633334	1	1		21.5	30.00	Horizontal
		636332	1	1		22.3	30.00	Vertical
		636332	1	1		21.7	30.00	Horizontal
		630334	1	1	DFT-s-OFDM Pi/2 16QAM	21.4	30.00	Vertical
		630334	1	1		20.7	30.00	Horizontal
		633334	1	1		21.8	30.00	Vertical
		633334	1	1		20.5	30.00	Horizontal
		636332	1	1		20.6	30.00	Vertical
		636332	1	1		20.3	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	15	630500	1	1	DFT-s-OFDM Pi/2 BPSK	23.1	30.00	Vertical
		630500	1	1		21.6	30.00	Horizontal
		633334	1	1		24.1	30.00	Vertical
		633334	1	1		22.7	30.00	Horizontal
		636166	1	1		22.9	30.00	Vertical
		636166	1	1		21.9	30.00	Horizontal
		630500	1	1	DFT-s-OFDM Pi/2 QPSK	22.0	30.00	Vertical
		630500	1	1		21.4	30.00	Horizontal
		633334	1	1		23.4	30.00	Vertical
		633334	1	1		21.7	30.00	Horizontal
		636166	1	1		22.3	30.00	Vertical
		636166	1	1		21.6	30.00	Horizontal
		630500	1	1	DFT-s-OFDM Pi/2 16QAM	21.8	30.00	Vertical
		630500	1	1		20.2	30.00	Horizontal
		633334	1	1		21.1	30.00	Vertical
		633334	1	1		20.8	30.00	Horizontal
		636166	1	1		20.6	30.00	Vertical
		636166	1	1		20.4	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	20	630668	1	1	DFT-s-OFDM Pi/2 BPSK	23.5	30.00	Vertical
		630668	1	1		21.7	30.00	Horizontal
		633334	1	1		23.7	30.00	Vertical
		633334	1	1		22.6	30.00	Horizontal
		636000	1	1		23.0	30.00	Vertical
		636000	1	1		21.9	30.00	Horizontal
		630668	1	1	DFT-s-OFDM Pi/2 QPSK	22.5	30.00	Vertical
		630668	1	1		21.5	30.00	Horizontal
		633334	1	1		23.0	30.00	Vertical
		633334	1	1		21.6	30.00	Horizontal
		636000	1	1		22.1	30.00	Vertical
		636000	1	1		21.7	30.00	Horizontal
		630668	1	1	DFT-s-OFDM Pi/2 16QAM	21.1	30.00	Vertical
		630668	1	1		21.0	30.00	Horizontal
		633334	1	1		21.9	30.00	Vertical
		633334	1	1		21.2	30.00	Horizontal
		636000	1	1		21.2	30.00	Vertical
		636000	1	1		19.9	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	30	631000	1	1	DFT-s-OFDM Pi/2 BPSK	23.1	30.00	Vertical
		631000	1	1		21.5	30.00	Horizontal
		633334	1	1		24.0	30.00	Vertical
		633334	1	1		22.2	30.00	Horizontal
		635666	1	1		22.5	30.00	Vertical
		635666	1	1		21.4	30.00	Horizontal
		631000	1	1	DFT-s-OFDM Pi/2 QPSK	22.2	30.00	Vertical
		631000	1	1		21.3	30.00	Horizontal
		633334	1	1		22.8	30.00	Vertical
		633334	1	1		21.7	30.00	Horizontal
		635666	1	1		22.7	30.00	Vertical
		635666	1	1		21.4	30.00	Horizontal
		631000	1	1	DFT-s-OFDM Pi/2 16QAM	21.5	30.00	Vertical
		631000	1	1		20.7	30.00	Horizontal
		633334	1	1		21.6	30.00	Vertical
		633334	1	1		20.5	30.00	Horizontal
		635666	1	1		20.9	30.00	Vertical
		635666	1	1		20.2	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	40	631334	1	1	DFT-s-OFDM Pi/2 BPSK	23.2	30.00	Vertical
		631334	1	1		21.8	30.00	Horizontal
		633334	1	1		24.2	30.00	Vertical
		633334	1	1		22.6	30.00	Horizontal
		635332	1	1		22.5	30.00	Vertical
		635332	1	1		22.2	30.00	Horizontal
		631334	1	1	DFT-s-OFDM Pi/2 QPSK	22.0	30.00	Vertical
		631334	1	1		21.1	30.00	Horizontal
		633334	1	1		22.8	30.00	Vertical
		633334	1	1		21.5	30.00	Horizontal
		635332	1	1		22.3	30.00	Vertical
		635332	1	1		21.7	30.00	Horizontal
		631334	1	1	DFT-s-OFDM Pi/2 16QAM	21.6	30.00	Vertical
		631334	1	1		20.7	30.00	Horizontal
		633334	1	1		21.8	30.00	Vertical
		633334	1	1		20.9	30.00	Horizontal
		635332	1	1		21.0	30.00	Vertical
		635332	1	1		20.1	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	50	631668	1	1	DFT-s-OFDM Pi/2 BPSK	23.0	30.00	Vertical
		631668	1	1		21.8	30.00	Horizontal
		633334	1	1		23.7	30.00	Vertical
		633334	1	1		22.8	30.00	Horizontal
		635000	1	1		22.4	30.00	Vertical
		635000	1	1		22.2	30.00	Horizontal
		631668	1	1	DFT-s-OFDM Pi/2 QPSK	22.5	30.00	Vertical
		631668	1	1		21.6	30.00	Horizontal
		633334	1	1		23.2	30.00	Vertical
		633334	1	1		21.9	30.00	Horizontal
		635000	1	1		22.4	30.00	Vertical
		635000	1	1		21.7	30.00	Horizontal
		631668	1	1	DFT-s-OFDM Pi/2 16QAM	21.0	30.00	Vertical
		631668	1	1		20.9	30.00	Horizontal
		633334	1	1		21.8	30.00	Vertical
		633334	1	1		20.6	30.00	Horizontal
		635000	1	1		20.7	30.00	Vertical
		635000	1	1		20.6	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	60	632000	1	1	DFT-s-OFDM Pi/2 BPSK	23.3	30.00	Vertical
		632000	1	1		21.9	30.00	Horizontal
		633334	1	1		24.1	30.00	Vertical
		633334	1	1		22.4	30.00	Horizontal
		634666	1	1		22.7	30.00	Vertical
		634666	1	1		21.5	30.00	Horizontal
		632000	1	1	DFT-s-OFDM Pi/2 QPSK	22.4	30.00	Vertical
		632000	1	1		21.0	30.00	Horizontal
		633334	1	1		23.3	30.00	Vertical
		633334	1	1		21.3	30.00	Horizontal
		634666	1	1		22.8	30.00	Vertical
		634666	1	1		21.1	30.00	Horizontal
		632000	1	1	DFT-s-OFDM Pi/2 16QAM	21.8	30.00	Vertical
		632000	1	1		20.6	30.00	Horizontal
		633334	1	1		21.1	30.00	Vertical
		633334	1	1		20.7	30.00	Horizontal
		634666	1	1		21.2	30.00	Vertical
		634666	1	1		20.1	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	70	632334	1	1	DFT-s-OFDM Pi/2 BPSK	23.7	30.00	Vertical
		632334	1	1		22.0	30.00	Horizontal
		633334	1	1		24.0	30.00	Vertical
		633334	1	1		22.7	30.00	Horizontal
		634332	1	1		22.3	30.00	Vertical
		634332	1	1		21.8	30.00	Horizontal
		632334	1	1	DFT-s-OFDM Pi/2 QPSK	21.9	30.00	Vertical
		632334	1	1		21.6	30.00	Horizontal
		633334	1	1		23.1	30.00	Vertical
		633334	1	1		21.5	30.00	Horizontal
		634332	1	1		22.6	30.00	Vertical
		634332	1	1		21.5	30.00	Horizontal
		632334	1	1	DFT-s-OFDM Pi/2 16QAM	21.5	30.00	Vertical
		632334	1	1		20.4	30.00	Horizontal
		633334	1	1		21.1	30.00	Vertical
		633334	1	1		20.4	30.00	Horizontal
		634332	1	1		20.7	30.00	Vertical
		634332	1	1		19.9	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	80	632668	1	1	DFT-s-OFDM Pi/2 BPSK	23.0	30.00	Vertical
		632668	1	1		21.4	30.00	Horizontal
		633334	1	1		24.0	30.00	Vertical
		633334	1	1		22.3	30.00	Horizontal
		634000	1	1		22.9	30.00	Vertical
		634000	1	1		21.8	30.00	Horizontal
		632668	1	1	DFT-s-OFDM Pi/2 QPSK	22.2	30.00	Vertical
		632668	1	1		21.3	30.00	Horizontal
		633334	1	1		22.9	30.00	Vertical
		633334	1	1		22.0	30.00	Horizontal
		634000	1	1		22.5	30.00	Vertical
		634000	1	1		21.5	30.00	Horizontal
		632668	1	1	DFT-s-OFDM Pi/2 16QAM	21.3	30.00	Vertical
		632668	1	1		20.4	30.00	Horizontal
		633334	1	1		21.2	30.00	Vertical
		633334	1	1		20.7	30.00	Horizontal
		634000	1	1		21.2	30.00	Vertical
		634000	1	1		20.0	30.00	Horizontal
Band77 (3.45 GHz ~ 3.55 GHz)	90	633000	1	1	DFT-s-OFDM Pi/2 BPSK	23.2	30.00	Vertical
		633000	1	1		22.1	30.00	Horizontal
		633334	1	1		23.9	30.00	Vertical
		633334	1	1		22.3	30.00	Horizontal
		633666	1	1		23.0	30.00	Vertical
		633666	1	1		21.4	30.00	Horizontal
		633000	1	1	DFT-s-OFDM Pi/2 QPSK	22.5	30.00	Vertical
		633000	1	1		21.6	30.00	Horizontal
		633334	1	1		23.1	30.00	Vertical
		633334	1	1		21.5	30.00	Horizontal
		633666	1	1		22.4	30.00	Vertical
		633666	1	1		21.5	30.00	Horizontal
		633000	1	1	DFT-s-OFDM Pi/2 16QAM	21.2	30.00	Vertical
		633000	1	1		20.5	30.00	Horizontal
		633334	1	1		21.3	30.00	Vertical
		633334	1	1		21.0	30.00	Horizontal
		633666	1	1		20.9	30.00	Vertical
		633666	1	1		20.6	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.45 GHz ~ 3.55 GHz)	100	633334	1	1	DFT-s-OFDM Pi/2 BPSK	24.3	30.00	Vertical
		633334	1	1		23.0	30.00	Horizontal
		633334	1	1	DFT-s-OFDM Pi/2 QPSK	23.6	30.00	Vertical
		633334	1	1		22.0	30.00	Horizontal
		633334	1	1	DFT-s-OFDM Pi/2 16QAM	21.9	30.00	Vertical
		633334	1	1		21.2	30.00	Horizontal

Remark:

1. 5G NR n77 has same RF characteristic and power setting as 5G NR n78.
2. 5G NR n77 overlaps the entire frequency range of 5G NR n78. Therefore, test data provided in this report covers 5G NR n77 as well as 5G NR n78.

Radiated Power (EIRP) for NR Band 77 PC3								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	10	647000	1	1	DFT-s-OFDM Pi/2 BPSK	22.3	30.00	Vertical
		647000	1	1		20.8	30.00	Horizontal
		656000	1	1		24.1	30.00	Vertical
		656000	1	1		22.5	30.00	Horizontal
		665000	1	1		22.7	30.00	Vertical
		665000	1	1		21.5	30.00	Horizontal
		647000	1	1	DFT-s-OFDM Pi/2 QPSK	22.8	30.00	Vertical
		647000	1	1		20.8	30.00	Horizontal
		656000	1	1		23.7	30.00	Vertical
		656000	1	1		21.1	30.00	Horizontal
		665000	1	1		23.0	30.00	Vertical
		665000	1	1		20.6	30.00	Horizontal
		647000	1	1	DFT-s-OFDM Pi/2 16QAM	21.8	30.00	Vertical
		647000	1	1		20.1	30.00	Horizontal
		656000	1	1		22.3	30.00	Vertical
		656000	1	1		21.8	30.00	Horizontal
		665000	1	1		20.6	30.00	Vertical
		665000	1	1		20.2	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	15	647168	1	1	DFT-s-OFDM Pi/2 BPSK	22.0	30.00	Vertical
		647168	1	1		21.0	30.00	Horizontal
		656000	1	1		24.4	30.00	Vertical
		656000	1	1		22.9	30.00	Horizontal
		664832	1	1		23.2	30.00	Vertical
		664832	1	1		21.4	30.00	Horizontal
		647168	1	1	DFT-s-OFDM Pi/2 QPSK	22.9	30.00	Vertical
		647168	1	1		21.3	30.00	Horizontal
		656000	1	1		23.0	30.00	Vertical
		656000	1	1		21.4	30.00	Horizontal
		664832	1	1		23.1	30.00	Vertical
		664832	1	1		20.9	30.00	Horizontal
		647168	1	1	DFT-s-OFDM Pi/2 16QAM	21.4	30.00	Vertical
		647168	1	1		19.8	30.00	Horizontal
		656000	1	1		21.8	30.00	Vertical
		656000	1	1		21.2	30.00	Horizontal
		664832	1	1		20.4	30.00	Vertical
		664832	1	1		20.0	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	20	647334	1	1	DFT-s-OFDM Pi/2 BPSK	22.5	30.00	Vertical
		647334	1	1		21.5	30.00	Horizontal
		656000	1	1		23.9	30.00	Vertical
		656000	1	1		22.2	30.00	Horizontal
		664666	1	1		22.9	30.00	Vertical
		664666	1	1		21.4	30.00	Horizontal
		647334	1	1	DFT-s-OFDM Pi/2 QPSK	22.8	30.00	Vertical
		647334	1	1		21.1	30.00	Horizontal
		656000	1	1		23.2	30.00	Vertical
		656000	1	1		21.6	30.00	Horizontal
		664666	1	1		22.9	30.00	Vertical
		664666	1	1		20.5	30.00	Horizontal
		647334	1	1	DFT-s-OFDM Pi/2 16QAM	21.5	30.00	Vertical
		647334	1	1		19.5	30.00	Horizontal
		656000	1	1		22.1	30.00	Vertical
		656000	1	1		21.5	30.00	Horizontal
		664666	1	1		20.6	30.00	Vertical
		664666	1	1		20.3	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	30	647668	1	1	DFT-s-OFDM Pi/2 BPSK	22.1	30.00	Vertical
		647668	1	1		20.7	30.00	Horizontal
		656000	1	1		24.5	30.00	Vertical
		656000	1	1		22.3	30.00	Horizontal
		664332	1	1		23.3	30.00	Vertical
		664332	1	1		21.4	30.00	Horizontal
		647668	1	1	DFT-s-OFDM Pi/2 QPSK	22.6	30.00	Vertical
		647668	1	1		21.2	30.00	Horizontal
		656000	1	1		23.4	30.00	Vertical
		656000	1	1		21.6	30.00	Horizontal
		664332	1	1		23.1	30.00	Vertical
		664332	1	1		21.2	30.00	Horizontal
		647668	1	1	DFT-s-OFDM Pi/2 16QAM	21.3	30.00	Vertical
		647668	1	1		19.4	30.00	Horizontal
		656000	1	1		21.7	30.00	Vertical
		656000	1	1		21.5	30.00	Horizontal
		664332	1	1		20.2	30.00	Vertical
		664332	1	1		19.9	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	40	648000	1	1	DFT-s-OFDM Pi/2 BPSK	22.4	30.00	Vertical
		648000	1	1		21.1	30.00	Horizontal
		656000	1	1		23.9	30.00	Vertical
		656000	1	1		22.7	30.00	Horizontal
		664000	1	1		23.4	30.00	Vertical
		664000	1	1		21.7	30.00	Horizontal
		648000	1	1	DFT-s-OFDM Pi/2 QPSK	22.7	30.00	Vertical
		648000	1	1		20.7	30.00	Horizontal
		656000	1	1		23.2	30.00	Vertical
		656000	1	1		21.8	30.00	Horizontal
		664000	1	1		23.2	30.00	Vertical
		664000	1	1		20.8	30.00	Horizontal
		648000	1	1	DFT-s-OFDM Pi/2 16QAM	21.9	30.00	Vertical
		648000	1	1		19.5	30.00	Horizontal
		656000	1	1		21.6	30.00	Vertical
		656000	1	1		21.4	30.00	Horizontal
		664000	1	1		20.6	30.00	Vertical
		664000	1	1		20.0	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	50	648334	1	1	DFT-s-OFDM Pi/2 BPSK	22.2	30.00	Vertical
		648334	1	1		21.3	30.00	Horizontal
		656000	1	1		23.9	30.00	Vertical
		656000	1	1		22.9	30.00	Horizontal
		663666	1	1		22.9	30.00	Vertical
		663666	1	1		21.8	30.00	Horizontal
		648334	1	1	DFT-s-OFDM Pi/2 QPSK	22.7	30.00	Vertical
		648334	1	1		20.9	30.00	Horizontal
		656000	1	1		23.5	30.00	Vertical
		656000	1	1		21.0	30.00	Horizontal
		663666	1	1		23.0	30.00	Vertical
		663666	1	1		21.0	30.00	Horizontal
		648334	1	1	DFT-s-OFDM Pi/2 16QAM	21.9	30.00	Vertical
		648334	1	1		20.1	30.00	Horizontal
		656000	1	1		22.1	30.00	Vertical
		656000	1	1		21.6	30.00	Horizontal
		663666	1	1		20.7	30.00	Vertical
		663666	1	1		20.1	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	60	648668	1	1	DFT-s-OFDM Pi/2 BPSK	22.7	30.00	Vertical
		648668	1	1		20.8	30.00	Horizontal
		656000	1	1		24.5	30.00	Vertical
		656000	1	1		22.3	30.00	Horizontal
		663332	1	1		23.0	30.00	Vertical
		663332	1	1		21.9	30.00	Horizontal
		648668	1	1	DFT-s-OFDM Pi/2 QPSK	22.5	30.00	Vertical
		648668	1	1		20.7	30.00	Horizontal
		656000	1	1		23.5	30.00	Vertical
		656000	1	1		21.6	30.00	Horizontal
		663332	1	1		23.3	30.00	Vertical
		663332	1	1		21.2	30.00	Horizontal
		648668	1	1	DFT-s-OFDM Pi/2 16QAM	21.4	30.00	Vertical
		648668	1	1		20.2	30.00	Horizontal
		656000	1	1		21.8	30.00	Vertical
		656000	1	1		21.4	30.00	Horizontal
		663332	1	1		20.5	30.00	Vertical
		663332	1	1		20.2	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	70	649000	1	1	DFT-s-OFDM Pi/2 BPSK	22.3	30.00	Vertical
		649000	1	1		21.2	30.00	Horizontal
		656000	1	1		23.8	30.00	Vertical
		656000	1	1		22.9	30.00	Horizontal
		663000	1	1		23.3	30.00	Vertical
		663000	1	1		21.8	30.00	Horizontal
		649000	1	1	DFT-s-OFDM Pi/2 QPSK	22.8	30.00	Vertical
		649000	1	1		21.2	30.00	Horizontal
		656000	1	1		23.6	30.00	Vertical
		656000	1	1		21.3	30.00	Horizontal
		663000	1	1		22.9	30.00	Vertical
		663000	1	1		20.9	30.00	Horizontal
		649000	1	1	DFT-s-OFDM Pi/2 16QAM	21.8	30.00	Vertical
		649000	1	1		20.1	30.00	Horizontal
		656000	1	1		21.9	30.00	Vertical
		656000	1	1		21.3	30.00	Horizontal
		663000	1	1		20.4	30.00	Vertical
		663000	1	1		19.9	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3								
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	80	649334	1	1	DFT-s-OFDM Pi/2 BPSK	22.1	30.00	Vertical
		649334	1	1		21.2	30.00	Horizontal
		656000	1	1		24.2	30.00	Vertical
		656000	1	1		22.6	30.00	Horizontal
		662666	1	1		23.3	30.00	Vertical
		662666	1	1		21.8	30.00	Horizontal
		649334	1	1	DFT-s-OFDM Pi/2 QPSK	22.5	30.00	Vertical
		649334	1	1		20.9	30.00	Horizontal
		656000	1	1		23.4	30.00	Vertical
		656000	1	1		21.3	30.00	Horizontal
		662666	1	1		22.9	30.00	Vertical
		662666	1	1		20.6	30.00	Horizontal
		649334	1	1	DFT-s-OFDM Pi/2 16QAM	21.8	30.00	Vertical
		649334	1	1		19.4	30.00	Horizontal
		656000	1	1		22.0	30.00	Vertical
		656000	1	1		21.2	30.00	Horizontal
		662666	1	1		20.2	30.00	Vertical
		662666	1	1		20.0	30.00	Horizontal
Band77 (3.7 GHz ~ 3.98 GHz)	90	649668	1	1	DFT-s-OFDM Pi/2 BPSK	22.4	30.00	Vertical
		649668	1	1		20.9	30.00	Horizontal
		656000	1	1		24.1	30.00	Vertical
		656000	1	1		22.8	30.00	Horizontal
		662332	1	1		22.6	30.00	Vertical
		662332	1	1		21.4	30.00	Horizontal
		649668	1	1	DFT-s-OFDM Pi/2 QPSK	22.3	30.00	Vertical
		649668	1	1		21.4	30.00	Horizontal
		656000	1	1		23.0	30.00	Vertical
		656000	1	1		21.7	30.00	Horizontal
		662332	1	1		22.7	30.00	Vertical
		662332	1	1		20.5	30.00	Horizontal
		649668	1	1	DFT-s-OFDM Pi/2 16QAM	21.4	30.00	Vertical
		649668	1	1		20.1	30.00	Horizontal
		656000	1	1		22.0	30.00	Vertical
		656000	1	1		21.9	30.00	Horizontal
		662332	1	1		20.9	30.00	Vertical
		662332	1	1		20.3	30.00	Horizontal

Radiated Power (EIRP) for NR Band 77 PC3

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Polarization
Band77 (3.7 GHz ~ 3.98 GHz)	100	650000	1	1	DFT-s-OFDM Pi/2 BPSK	22.7	30.00	Vertical
		650000	1	1		21.5	30.00	Horizontal
		656000	1	1		24.6	30.00	Vertical
		656000	1	1		23.0	30.00	Horizontal
		662000	1	1		23.4	30.00	Vertical
		662000	1	1		22.1	30.00	Horizontal
		650000	1	1	DFT-s-OFDM Pi/2 QPSK	23.0	30.00	Vertical
		650000	1	1		21.5	30.00	Horizontal
		656000	1	1		23.7	30.00	Vertical
		656000	1	1		21.8	30.00	Horizontal
		662000	1	1		23.4	30.00	Vertical
		662000	1	1		21.2	30.00	Horizontal
		650000	1	1	DFT-s-OFDM Pi/2 16QAM	21.9	30.00	Vertical
		650000	1	1		20.2	30.00	Horizontal
		656000	1	1		22.4	30.00	Vertical
		656000	1	1		22.0	30.00	Horizontal
		662000	1	1		21.0	30.00	Vertical
		662000	1	1		20.6	30.00	Horizontal

Remark:

1. 5G NR n77 has same RF characteristic and power setting as 5G NR n78.

2. 5G NR n77 overlaps the entire frequency range of 5G NR n78. Therefore, test data provided in this report covers 5G NR n77 as well as 5G NR n78.

7.3 CONDUCTED OUTPUT POWER

7.3.1 Applicable Standard

According to FCC KDB 971168 D01 v03r01 Section 5 and ANSI C63.26: 2015 Section 5.2

7.3.2 Conformance Limit

For NR n5 SCS 15 kHz, NR n66 SCS 15 kHz:

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

For NR n2 SCS 15 kHz:

Mobile and portable stations are limited to 2 watts EIRP.

For NR n71 SCS 15 kHz:

Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

For NR n7 SCS 15 kHz, NR n41 SCS 30 kHz:

Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

Mobile and portable stations are limited to 1 Watt EIRP.

For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

Mobile devices are limited to 1Watt (30 dBm) EIRP.

7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

Connect the EUT to Universal Radio Communication Tester MT8000A via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the ARFCN range, power control level set to Max power. The frequency band is set as selected frequency,

The RF output of the transmitter was connected to base station simulator.

Set EUT at maximum average power by base station simulator.

Measure the lowest, middle, and highest channels of the EUT for each bandwidth and different modulation.

Measure and record the results in the test report.

7.3.6 Test Results

EUT:	ConBox2020RD	Model No.:	CB20RDNAR1
Temperature:	20 °C	Relative Humidity:	48%

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Original Module Power (dBm)	Verified Host Power (dBm)
Band2	20	376000	1	1	DFT-s-OFDM Pi/2 BPSK	23.75	22.03
Band5	20	167300	1	1	DFT-s-OFDM Pi/2 BPSK	23.62	22.48
Band7	20	507000	1	1	DFT-s-OFDM Pi/2 BPSK	23.00	21.00
Band41	100	518598	135	69	DFT-s-OFDM Pi/2 BPSK	26.25	25.31
Band66	40	349000	1	1	DFT-s-OFDM Pi/2 BPSK	22.99	21.55
Band71	5	136100	1	23	DFT-s-OFDM QPSK	23.67	22.05
Band77 PC2 (3.45 GHz ~ 3.55 GHz)	100	633334	135	69	DFT-s-OFDM Pi/2 BPSK	26.27	25.19
Band77 PC2 (3.7 GHz ~ 3.98 GHz)	20	647334	1	26	DFT-s-OFDM Pi/2 BPSK	25.93	25.53
Band77 PC3 (3.45 GHz ~ 3.55 GHz)	100	633334	1	137	DFT-s-OFDM Pi/2 BPSK	23.90	22.82
Band77 PC3 (3.7 GHz ~ 3.98 GHz)	100	656000	1	137	DFT-s-OFDM Pi/2 BPSK	23.74	23.34

The maximum conducted power is verified to be the same. The conducted signal test data may be re-used. Please check FCC ID: NKR-UMCSTD35GN (Report No.: RFBCKS-WTW-P24050344-1)

7.4 FREQUENCY STABILITY

7.4.1 Applicable Standard

According to FCC KDB 971168 D01 Section 9.0 and ANSI C63.26: 2015 Section 5.6

7.4.2 Conformance Limit

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

Connect the EUT to Universal Radio Communication Tester MT8000A via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test.

EUT was placed at temperature chamber and connected to an external power supply.

Temperature and voltage condition shall be tested to confirm frequency stability.

For Temperature Variation

1. The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C steps up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

For Voltage Variation

1. The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.
2. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

7.4.6 Test Results

EUT:	ConBox2020RD	Model No.:	CB20RDNAR1
Temperature:	N/A	Relative Humidity:	N/A
Test Mode:	N/A		

Please check FCC ID: NKR-UMCSTD35GN (Report No.: RFBCKS-WTW-P24050344-1)

7.5 PEAK-TO-AVERAGE RATIO

7.5.1 Applicable Standard

According to ANSI C63.26: 2015 Section 5.2.3.4 and FCC KDB 971168 D01 Section 5.7

7.5.2 Conformance Limit

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

7.5.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set the number of counts to a value that stabilizes the measured CCDF curve.

Set the measurement interval to 1 ms.

Record the maximum PAPR level associated with a probability of 0.1%.

a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;

b) Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;

c) Set the number of counts to a value that stabilizes the measured CCDF curve;

d) 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.

e) Record the maximum PAPR level associated with a probability of 0.1%.

7.5.6 Test Results

EUT:	ConBox2020RD	Model No.:	CB20RDNAR1
Temperature:	N/A	Relative Humidity:	N/A
Test Mode:	N/A		

Please check FCC ID: NKR-UMCSTD35GN (Report No.: RFBCKS-WTW-P24050344-1)

7.6 26DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

7.6.1 Applicable Standard

According to FCC KDB 971168 D01 Section 4 and ANSI C63.26: 2015 Section 5.4

7.6.2 Conformance Limit

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows FCC KDB 971168 v03r01 Section 4.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.

The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.

Set the detection mode to peak, and the trace mode to max hold.

Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.

(this is the reference value)

Determine the “-26 dB down amplitude” as equal to (Reference Value – X).

Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.

Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

7.6.6 Test Results

EUT:	ConBox2020RD	Model No.:	CB20RDNAR1
Temperature:	N/A	Relative Humidity:	N/A
Test Mode:	N/A		

Please check FCC ID: NKR-UMCSTD35GN (Report No.: RFBCKS-WTW-P24050344-1)

7.7 CONDUCTED BAND EDGE

7.7.1 Applicable Standard

According to FCC KDB 971168 D01 Section 6 and ANSI C63.26: 2015 Section 5.7.

7.7.2 Conformance Limit

For NR n2 SCS 15 kHz, NR n5 SCS 15 kHz, NR n66 SCS 15 kHz:

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. The emission limit equal to -13 dBm.

For NR n71 SCS 15 kHz:

According to FCC 47 CFR part 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 n7 SCS 15 kHz, NR n41 SCS 30 kHz:

According to FCC 47 CFR part 27.53(m)(4) regulations, any transmit power outside of the channel edge must be attenuated below the transmitting power (P) by a 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. 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. In the 1 MHz 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.

For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

According to FCC 47 CFR part 27.53(l), 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.

Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for 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. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows FCC KDB 971168 v03r01 Section 6.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

The band edges of low and high channels for the highest RF powers were measured.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

7.7.6 Test Results

EUT:	ConBox2020RD	Model No.:	CB20RDNAR1
Temperature:	N/A	Relative Humidity:	N/A
Test Mode:	N/A		

Please check FCC ID: NKR-UMCSTD35GN (Report No.: RFBCKS-WTW-P24050344-1)

7.8 CONDUCTED SPURIOUS EMISSION AT ANTENNA TERMINAL

7.8.1 Applicable Standard

According to FCC KDB 971168 D01 Section 6 and ANSI C63.26: 2015 Section 5.7.

7.8.2 Conformance Limit

For NR n2 SCS 15 kHz, NR n5 SCS 15 kHz, NR n66 SCS 15 kHz:

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. The emission limit equal to -13 dBm.

For NR n71 SCS 15 kHz:

According to FCC 47 CFR part 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 n7 SCS 15 kHz, NR n41 SCS 30 kHz:

According to FCC 47 CFR part 27.53(m)(4) regulations, any transmit power outside of the channel edge must be attenuated below the transmitting power (P) by a 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. 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. In the 1 MHz 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.

For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

According to FCC 47 CFR part 27.53(l), 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.

Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

For NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for 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. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

The testing follows FCC KDB 971168 v03r01 Section 6.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

The middle channel for the highest RF power within the transmitting frequency was measured.

The conducted spurious emission for the whole frequency range was taken.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

7.8.6 Test Results

EUT:	ConBox2020RD	Model No.:	CB20RDNAR1
Temperature:	N/A	Relative Humidity:	N/A
Test Mode:	N/A		

Please check FCC ID: NKR-UMCSTD35GN (Report No.: RFBCKS-WTW-P24050344-1)

END OF REPORT