



FCC RF Test Report

APPLICANT : Rolling Wireless S.a r.l.
EQUIPMENT : 5G Module
BRAND NAME : Rolling Wireless
MODEL NAME : RW135R-GL
FCC ID : 2AX2URW135RGL
STANDARD : 47 CFR Part 22, 24
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Apr. 30, 2026 ~ May 14, 2026

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Fly Liang

Approved by: Fly Liang



Sporton International Inc. (ShenZhen)

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG642201I	Rev. 01	Initial issue of report	Jun. 18, 2026



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(5)	Effective Radiated Power (5G NR n5, n26)	ERP < 7 Watt		
	§24.232(c)	Equivalent Isotropic Radiated Power (5G NR n2, n25)	EIRP < 2Watt		
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §22.917(a) §24.238(a)	Conducted Band Edge Measurement (5G NR n5, n26) (5G NR n2, n25)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a)	Conducted Spurious Emission (5G NR n5, n26) (5G NR n2, n25)	< 43+10log10(P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§24.235		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a)	Radiated Spurious Emission (5G NR n5, n26) (5G NR n2, n25)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 40.07 dB at 7403.20 MHz

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Applicant

Rolling Wireless S.a r.l.
8-10, rue Mathias Hardt 1717, Luxembourg

1.2 Manufacturer

Rolling Wireless S.a r.l.
8-10, rue Mathias Hardt 1717, Luxembourg

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G Module
Brand Name	Rolling Wireless
Model Name	RW135R-GL
FCC ID	2AX2URW135RGL
IMEI Code	Conducted : 359200990001763 Radiation : 359200990002126
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 824 MHz ~ 849 MHz
Rx Frequency	5G NR n2 : 1930 MHz ~ 1990 MHz 5G NR n5 : 869 MHz ~ 894 MHz 5G NR n25 : 1930 MHz ~ 1995 MHz 5G NR n26 : 869 MHz ~ 894 MHz
Bandwidth	n2, n5, n25, n26: 5MHz / 10MHz / 15MHz / 20MHz
SCS	15kHz
Antenna Gain	n2: 4.0 dBi n5: 3.0 dBi n25: 4.0 dBi n26: 3.0 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

- 5G n2/n5/n25/26 support both 5G Redcap and 5G NR SA modes.
- According to the maximum power between SA and Redcap mode, SA covers Redcap mode, only the test data of SA mode is showed in the report.

3. There are two types of EUT. For details, please refer to the RW135R-GL_Operational Description of Product Equality Declaration exhibit separately. After evaluation, the differences will not affect RF performance, so we choose the Sample1 to full test, and Sample 2 to verify the worst case for RSE, which is recorded in another report(FG6422010).

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Maximum Conducted Power and Emission Designator

5G NR n2		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	1852.5 ~ 1907.5	0.2432	4M47G7D	0.1982	4M48W7D
10	1855.0 ~ 1905.0	0.2455	9M28G7D	0.2014	9M29W7D
15	1857.5 ~ 1902.5	0.2449	14M1G7D	0.1914	14M1W7D
20	1860.0 ~ 1900.0	0.2466	18M9G7D	0.1986	18M9W7D

5G NR n25		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	1852.5 ~ 1912.5	0.2438	4M47G7D	0.1963	4M48W7D
10	1855.0 ~ 1910.0	0.2455	9M28G7D	0.1950	9M29W7D
15	1857.5 ~ 1907.5	0.2455	14M1G7D	0.1892	14M1W7D
20	1860.0 ~ 1905.0	0.2472	18M9G7D	0.1991	18M9W7D

5G NR n5		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	826.5 ~ 846.5	0.3034	4M46G7D	0.2489	4M49W7D
10	829.0 ~ 844.0	0.3020	9M27G7D	0.2443	9M29W7D
15	831.5 ~ 841.5	0.2958	14M1G7D	0.2296	14M1W7D
20	834.0 ~ 839.0	0.3041	18M8G7D	0.2421	18M9W7D



5G NR n26		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	826.5 ~ 846.5	0.2985	4M46G7D	0.2421	4M49W7D
10	829.0 ~ 844.0	0.3062	9M27G7D	0.2438	9M29W7D
15	831.5 ~ 841.5	0.2897	14M1G7D	0.2350	14M1W7D
20	834.0 ~ 839.0	0.3069	18M8G7D	0.2460	18M9W7D

Note:

1. 5G NR n26 overlaps the entire frequency range of 5G NR n5. Therefore, the test results provided in this report covers 5G NR n5 and the portion of 5G NR n26 subject to Part 22.
2. 5G NR n25 overlaps the entire frequency range of 5G NR n2. Therefore, the test results provided in this report covers 5G NR n25 as well as 5G NR n2.
3. All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ 03CH02-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a



1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 22, 24
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

All test items were verified and recorded according to the standards and without any deviation during the test.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

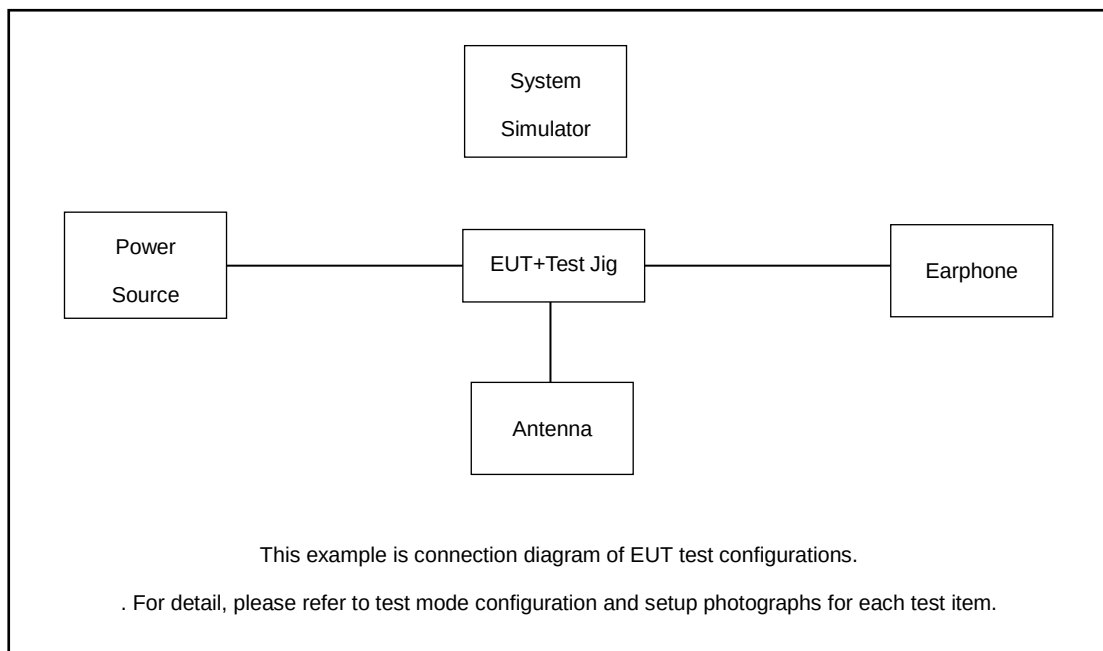
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane

Test Items	5G NR	Bandwidth (MHz)													Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Max. Output Power	n2	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n5	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n25	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
Peak-to- Average Ratio	n25	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v					v	v	v	v
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v					v	v	v	v
26dB and 99% Bandwidth	n25	v	v	v	v	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v	
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v	
Conducted Band Edge	n25	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v
	n26	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v
Conducted Spurious Emission	n25	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v		v	v	v
	n26	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v		v	v	v
Frequency Stability	n25				v	-	-	-	-	-	-	-	-	-		v					v	v	v	v
	n26				v	-	-	-	-	-	-	-	-	-		v					v	v	v	v
E.R.P / E.I.R.P	n2	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n5	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n25	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v



Test Items	5G NR	Bandwidth (MHz)													Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n25	Worst Case																			v	v	v	
	n26	Worst Case																			v	v	v	
Note	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Frequency Stability : Normal Voltage = 3.3V ; Low Voltage =3.135V. ; High Voltage =4.40V																							

2.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
3.	WWAN Antenna	N/A	N/A	N/A	N/A	N/A
4.	Test Jig	N/A	N/A	N/A	N/A	N/A
5.	Earphone	N/A	N/A	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 8.0 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 8.0 \text{ (dB)} \end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5



5G NR n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	372000	376500	381000
	Frequency	1860	1882.5	1905
15	Channel	371500	376500	381500
	Frequency	1857.5	1882.5	1907.5
10	Channel	371000	376500	382000
	Frequency	1855	1882.5	1910
5	Channel	370500	376500	382500
	Frequency	1852.5	1882.5	1912.5

5G NR n26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

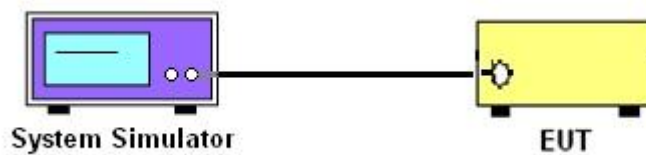
3 Conducted Test Items

3.1 Measuring Instruments

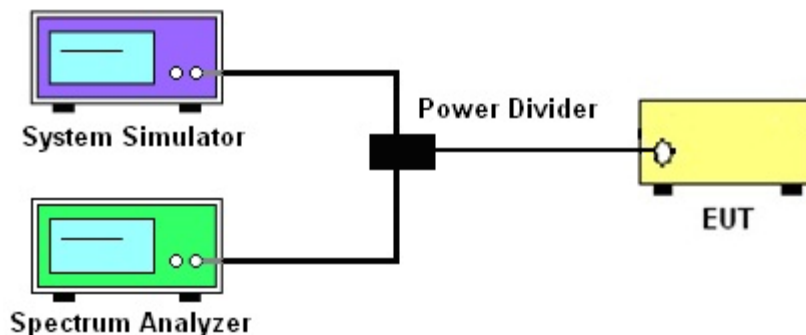
See list of measuring instruments of this test report.

3.2 Test Setup

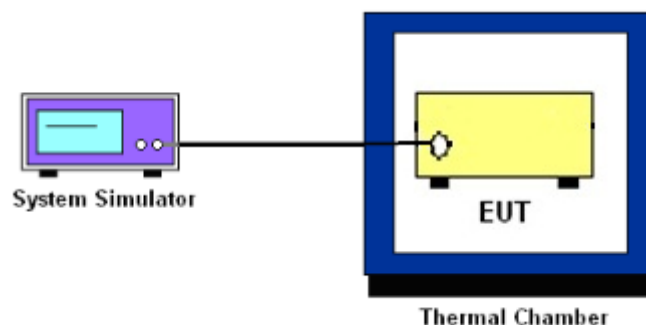
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for 5G NR n5, n26.

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2, n25.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

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.

3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. 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.
4. 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.
5. Set the detection mode to peak, and the trace mode to max hold.
6. 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)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. 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.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz 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.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used (generally limited to no less than 1% of the OBW) and the measured power was integrated over the full required measurement bandwidth.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from $43 + 10\log(P)\text{dB}$ below the transmitter power $P(\text{Watts})$

$$= P(\text{W}) - [43 + 10\log(P)] (\text{dB})$$

$$= [30 + 10\log(P)] (\text{dBm}) - [43 + 10\log(P)] (\text{dB}) = -13\text{dBm}.$$

9. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. 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.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13\text{dBm}$.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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.

3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
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 step 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.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

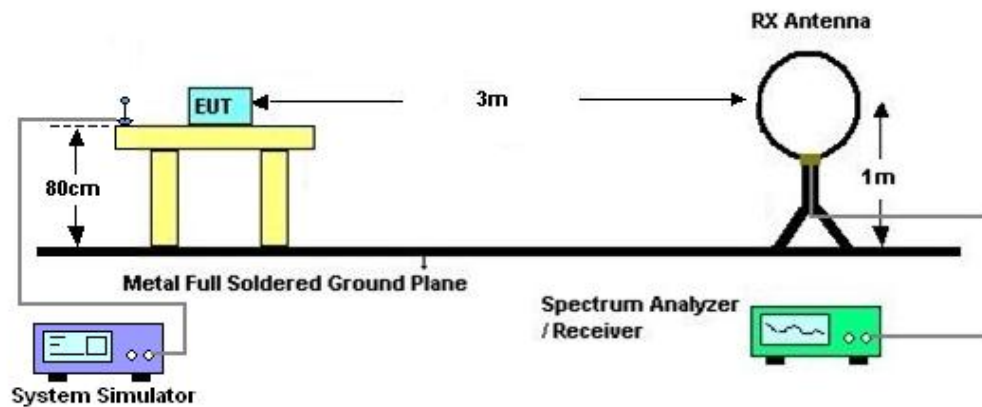
4 Radiated Test Items

4.1 Measuring Instruments

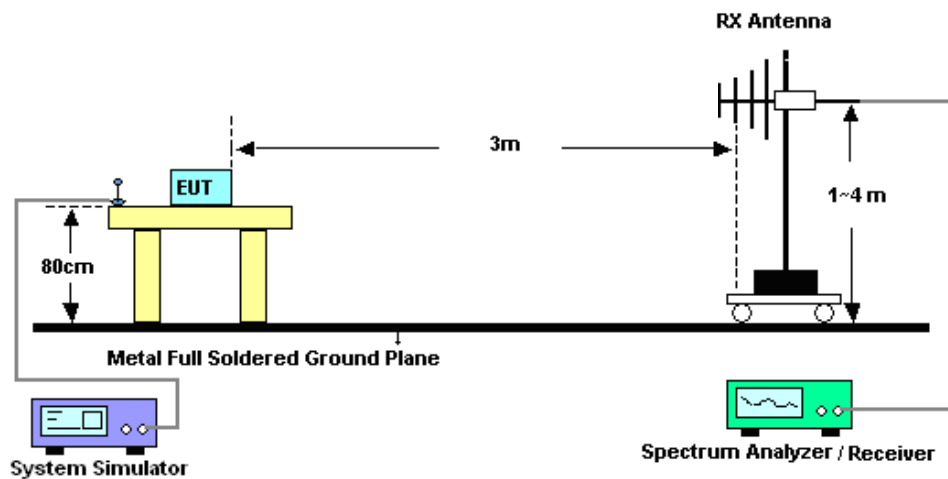
See list of measuring instruments of this test report.

4.2 Test Setup

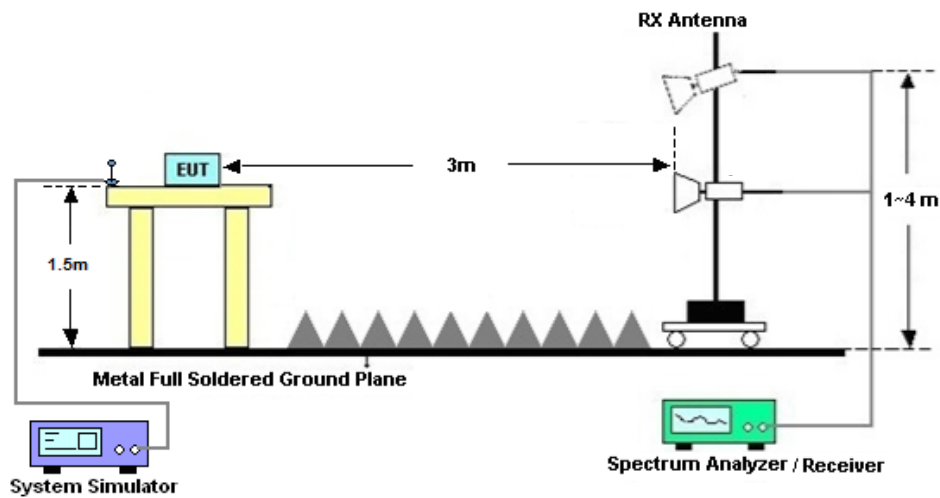
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Mar. 26, 2026	Apr. 30, 2026~ May 13, 2026	Mar. 25, 2027	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V, 3A	Oct. 13, 2025	Apr. 30, 2026~ May 13, 2026	Oct. 12, 2026	Conducted (TH01-SZ)
Power Divider	Titan	P02N00518 0	923402	0.4GHz~26.5GHz	Nov. 07, 2025	Apr. 30, 2026~ May 13, 2026	Nov. 06, 2026	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhonggroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Apr. 30, 2026~ May 13, 2026	Jul. 01, 2026	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	May 14, 2026	Jul. 02, 2026	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Dec. 23, 2025	May 14, 2026	Dec. 22, 2027	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	May 14, 2026	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2025	May 14, 2026	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz-40GHz	Apr. 03, 2025	May 14, 2026	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2025	May 14, 2026	Dec. 24, 2026	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5GHz	Oct. 13, 2025	May 14, 2026	Oct. 12, 2026	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 13, 2025	May 14, 2026	Oct. 12, 2026	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	May 14, 2026	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	May 14, 2026	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Peak to Average Ratio	±1.34 dB
Frequency Stability	±1.3 Hz

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.47 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.31 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.72 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Lorenzo Liu	Temperature :	24~26°C
		Relative Humidity :	50~53%



FR1 N2

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 4.0 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	12@6	23.81	27.81	0.6039
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	23.85	27.85	0.6095
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@23	23.86	27.86	0.6109
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	12@6	22.74	26.74	0.4721
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.97	26.97	0.4977
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@23	22.81	26.81	0.4797
2	15	5	376000	1880	DFT-s-OFDM QPSK	12@6	23.39	27.39	0.5483
2	15	5	376000	1880	DFT-s-OFDM QPSK	1@1	23.57	27.57	0.5715
2	15	5	376000	1880	DFT-s-OFDM QPSK	1@23	23.43	27.43	0.5534
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	12@6	22.35	26.35	0.4315
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.59	26.59	0.4560
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	1@23	22.51	26.51	0.4477
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	12@6	23.51	27.51	0.5636
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@1	23.59	27.59	0.5741
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@23	23.5	27.5	0.5623
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	12@6	22.42	26.42	0.4385
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.47	26.47	0.4436
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	1@23	22.48	26.48	0.4446
2	15	10	371000	1855	DFT-s-OFDM QPSK	25@12	23.89	27.89	0.6152
2	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	23.9	27.9	0.6166
2	15	10	371000	1855	DFT-s-OFDM QPSK	1@50	23.66	27.66	0.5834
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	25@12	22.79	26.79	0.4775
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	23.04	27.04	0.5058
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@50	22.74	26.74	0.4721
2	15	10	376000	1880	DFT-s-OFDM QPSK	25@12	23.42	27.42	0.5521
2	15	10	376000	1880	DFT-s-OFDM QPSK	1@1	23.44	27.44	0.5546
2	15	10	376000	1880	DFT-s-OFDM QPSK	1@50	23.48	27.48	0.5598
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	25@12	22.39	26.39	0.4355
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.55	26.55	0.4519
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	1@50	22.48	26.48	0.4446
2	15	10	381000	1905	DFT-s-OFDM QPSK	25@12	23.49	27.49	0.5610
2	15	10	381000	1905	DFT-s-OFDM QPSK	1@1	23.45	27.45	0.5559
2	15	10	381000	1905	DFT-s-OFDM QPSK	1@50	23.56	27.56	0.5702
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	25@12	22.51	26.51	0.4477
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	1@1	22.51	26.51	0.4477
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	1@50	22.6	26.6	0.4571
2	15	15	371500	1857.5	DFT-s-OFDM QPSK	36@18	23.6	27.6	0.5754
2	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.89	27.89	0.6152



2	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@77	23.61	27.61	0.5768
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	36@18	22.69	26.69	0.4667
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	22.82	26.82	0.4808
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@77	22.51	26.51	0.4477
2	15	15	376000	1880	DFT-s-OFDM QPSK	36@18	23.34	27.34	0.5420
2	15	15	376000	1880	DFT-s-OFDM QPSK	1@1	23.4	27.4	0.5495
2	15	15	376000	1880	DFT-s-OFDM QPSK	1@77	23.36	27.36	0.5445
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	36@18	22.25	26.25	0.4217
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.43	26.43	0.4395
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	1@77	22.39	26.39	0.4355
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	36@18	23.37	27.37	0.5458
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	1@1	23.25	27.25	0.5309
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	1@77	23.48	27.48	0.5598
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	36@18	22.31	26.31	0.4276
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	22.32	26.32	0.4285
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	1@77	22.43	26.43	0.4395
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	50@25	23.79	27.79	0.6012
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	23.92	27.92	0.6194
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@104	23.4	27.4	0.5495
2	15	20	372000	1860	DFT-s-OFDM QPSK	50@25	23.78	27.78	0.5998
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	23.87	27.87	0.6124
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@104	23.65	27.65	0.5821
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	50@25	22.67	26.67	0.4645
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	22.98	26.98	0.4989
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@104	22.62	26.62	0.4592
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	50@25	21.25	25.25	0.3350
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@1	21.64	25.64	0.3664
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@104	21.22	25.22	0.3327
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	50@25	19.18	23.18	0.2080
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@1	19.17	23.17	0.2075
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@104	18.67	22.67	0.1849
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	50@25	23.42	27.42	0.5521
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.44	27.44	0.5546
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@104	23.31	27.31	0.5383
2	15	20	376000	1880	DFT-s-OFDM QPSK	50@25	23.39	27.39	0.5483
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@1	23.58	27.58	0.5728
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@104	23.49	27.49	0.5610
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	50@25	22.43	26.43	0.4395
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.58	26.58	0.4550
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@104	22.47	26.47	0.4436
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	50@25	20.96	24.96	0.3133
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@1	21.19	25.19	0.3304
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@104	21.1	25.1	0.3236
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	50@25	18.96	22.96	0.1977



2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@1	18.68	22.68	0.1854
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@104	18.44	22.44	0.1754
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	50@25	23.44	27.44	0.5546
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@1	23.35	27.35	0.5433
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@104	23.44	27.44	0.5546
2	15	20	380000	1900	DFT-s-OFDM QPSK	50@25	23.46	27.46	0.5572
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@1	23.44	27.44	0.5546
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@104	23.62	27.62	0.5781
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	50@25	22.28	26.28	0.4246
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@1	22.37	26.37	0.4335
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@104	22.64	26.64	0.4613
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	50@25	20.86	24.86	0.3062
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@1	20.99	24.99	0.3155
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@104	21.19	25.19	0.3304
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	50@25	18.89	22.89	0.1945
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@1	18.54	22.54	0.1795
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@104	18.58	22.58	0.1811



FR1 N2- RedCap

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 4.0 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	12@6	23.74	27.74	0.5943
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	23.51	27.51	0.5636
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@23	23.68	27.68	0.5861
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	12@6	22.68	26.68	0.4656
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.76	26.76	0.4742
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@23	22.74	26.74	0.4721
2	15	5	376000	1880	DFT-s-OFDM QPSK	12@6	23.73	27.73	0.5929
2	15	5	376000	1880	DFT-s-OFDM QPSK	1@1	23.68	27.68	0.5861
2	15	5	376000	1880	DFT-s-OFDM QPSK	1@23	23.66	27.66	0.5834
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	12@6	22.75	26.75	0.4732
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.75	26.75	0.4732
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	1@23	22.62	26.62	0.4592
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	12@6	23.71	27.71	0.5902
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@1	23.75	27.75	0.5957
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@23	23.76	27.76	0.5970
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	12@6	22.75	26.75	0.4732
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.83	26.83	0.4819
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	1@23	22.81	26.81	0.4797
2	15	10	371000	1855	DFT-s-OFDM QPSK	25@12	23.72	27.72	0.5916
2	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	23.68	27.68	0.5861
2	15	10	371000	1855	DFT-s-OFDM QPSK	1@50	23.75	27.75	0.5957
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	25@12	22.68	26.68	0.4656
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	22.73	26.73	0.4710
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@50	22.8	26.8	0.4786
2	15	10	376000	1880	DFT-s-OFDM QPSK	25@12	23.71	27.71	0.5902
2	15	10	376000	1880	DFT-s-OFDM QPSK	1@1	23.68	27.68	0.5861
2	15	10	376000	1880	DFT-s-OFDM QPSK	1@50	23.75	27.75	0.5957
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	25@12	22.77	26.77	0.4753
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.82	26.82	0.4808
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	1@50	22.89	26.89	0.4887
2	15	10	381000	1905	DFT-s-OFDM QPSK	25@12	23.61	27.61	0.5768
2	15	10	381000	1905	DFT-s-OFDM QPSK	1@1	23.66	27.66	0.5834
2	15	10	381000	1905	DFT-s-OFDM QPSK	1@50	23.73	27.73	0.5929
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	25@12	22.72	26.72	0.4699
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	1@1	22.65	26.65	0.4624
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	1@50	22.64	26.64	0.4613
2	15	15	371500	1857.5	DFT-s-OFDM QPSK	36@18	23.72	27.72	0.5916
2	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.63	27.63	0.5794



2	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@77	23.56	27.56	0.5702
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	36@18	22.77	26.77	0.4753
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	22.75	26.75	0.4732
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@77	22.76	26.76	0.4742
2	15	15	376000	1880	DFT-s-OFDM QPSK	36@18	23.65	27.65	0.5821
2	15	15	376000	1880	DFT-s-OFDM QPSK	1@1	23.49	27.49	0.5610
2	15	15	376000	1880	DFT-s-OFDM QPSK	1@77	23.64	27.64	0.5808
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	36@18	23.71	27.71	0.5902
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.54	26.54	0.4508
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	1@77	22.7	26.7	0.4677
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	36@18	23.74	27.74	0.5943
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	1@1	23.48	27.48	0.5598
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	1@77	23.65	27.65	0.5821
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	36@18	22.62	26.62	0.4592
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	22.54	26.54	0.4508
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	1@77	22.71	26.71	0.4688
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	50@25	23.57	27.57	0.5715
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	23.53	27.53	0.5662
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@104	23.5	27.5	0.5623
2	15	20	372000	1860	DFT-s-OFDM QPSK	50@25	23.62	27.62	0.5781
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	23.49	27.49	0.5610
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@104	23.45	27.45	0.5559
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	50@25	22.51	26.51	0.4477
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	22.6	26.6	0.4571
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@104	22.61	26.61	0.4581
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	50@25	21.12	25.12	0.3251
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@1	20.59	24.59	0.2877
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@104	20.61	24.61	0.2891
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	50@25	19.05	23.05	0.2018
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@1	18.8	22.8	0.1905
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@104	18.74	22.74	0.1879
2	15	20	372000	1860	CP-OFDM QPSK	53@26	22.14	26.14	0.4111
2	15	20	372000	1860	CP-OFDM QPSK	1@1	22.21	26.21	0.4178
2	15	20	372000	1860	CP-OFDM QPSK	1@104	22.08	26.08	0.4055
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	50@25	23.63	27.63	0.5794
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.47	27.47	0.5585
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@104	23.52	27.52	0.5649
2	15	20	376000	1880	DFT-s-OFDM QPSK	50@25	23.77	27.77	0.5984
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@1	23.44	27.44	0.5546
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@104	23.47	27.47	0.5585
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	50@25	22.56	26.56	0.4529
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.62	26.62	0.4592
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@104	22.61	26.61	0.4581
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	50@25	21.09	25.09	0.3228



2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@1	20.74	24.74	0.2979
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@104	20.57	24.57	0.2864
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	50@25	19.17	23.17	0.2075
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@1	19.05	23.05	0.2018
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@104	18.88	22.88	0.1941
2	15	20	376000	1880	CP-OFDM QPSK	53@26	22.21	26.21	0.4178
2	15	20	376000	1880	CP-OFDM QPSK	1@1	22.1	26.1	0.4074
2	15	20	376000	1880	CP-OFDM QPSK	1@104	22.19	26.19	0.4159
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	50@25	23.57	27.57	0.5715
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@1	23.65	27.65	0.5821
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@104	23.52	27.52	0.5649
2	15	20	380000	1900	DFT-s-OFDM QPSK	50@25	23.62	27.62	0.5781
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@1	23.53	27.53	0.5662
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@104	23.55	27.55	0.5689
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	50@25	22.61	26.61	0.4581
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@1	22.59	26.59	0.4560
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@104	22.64	26.64	0.4613
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	50@25	21.05	25.05	0.3199
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@1	20.54	24.54	0.2844
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@104	21.06	25.06	0.3206
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	50@25	19.12	23.12	0.2051
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@1	18.95	22.95	0.1972
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@104	18.9	22.9	0.1950
2	15	20	380000	1900	CP-OFDM QPSK	53@26	22.25	26.25	0.4217
2	15	20	380000	1900	CP-OFDM QPSK	1@1	22.19	26.19	0.4159
2	15	20	380000	1900	CP-OFDM QPSK	1@104	22.18	26.18	0.4150



FR1 N5

Transmitter Conducted Output Power And ERP, $(G_T - L_c) = 3.0$ dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	5	165300	826.5	DFT-s-OFDM QPSK	12@6	24.57	25.42	0.3483
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	24.82	25.67	0.3690
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@23	24.57	25.42	0.3483
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	12@6	23.46	24.31	0.2698
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	23.96	24.81	0.3027
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@23	23.76	24.61	0.2891
5	15	5	167300	836.5	DFT-s-OFDM QPSK	12@6	24.78	25.63	0.3656
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	24.77	25.62	0.3648
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@23	24.82	25.67	0.3690
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	12@6	23.61	24.46	0.2793
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.91	24.76	0.2992
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@23	23.74	24.59	0.2877
5	15	5	169300	846.5	DFT-s-OFDM QPSK	12@6	24.78	25.63	0.3656
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	24.81	25.66	0.3681
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@23	24.54	25.39	0.3459
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	12@6	23.65	24.5	0.2818
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	23.86	24.71	0.2958
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@23	23.71	24.56	0.2858
5	15	10	165800	829	DFT-s-OFDM QPSK	25@12	24.62	25.47	0.3524
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	24.79	25.64	0.3664
5	15	10	165800	829	DFT-s-OFDM QPSK	1@50	24.73	25.58	0.3614
5	15	10	165800	829	DFT-s-OFDM 16 QAM	25@12	23.68	24.53	0.2838
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	23.76	24.61	0.2891
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@50	23.7	24.55	0.2851
5	15	10	167300	836.5	DFT-s-OFDM QPSK	25@12	24.73	25.58	0.3614
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	24.8	25.65	0.3673
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@50	24.8	25.65	0.3673
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	25@12	23.77	24.62	0.2897
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.88	24.73	0.2972
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@50	23.77	24.62	0.2897
5	15	10	168800	844	DFT-s-OFDM QPSK	25@12	24.65	25.5	0.3548
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	24.8	25.65	0.3673
5	15	10	168800	844	DFT-s-OFDM QPSK	1@50	24.79	25.64	0.3664
5	15	10	168800	844	DFT-s-OFDM 16 QAM	25@12	23.62	24.47	0.2799
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	23.77	24.62	0.2897
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@50	23.76	24.61	0.2891
5	15	15	166300	831.5	DFT-s-OFDM QPSK	36@18	24.51	25.36	0.3436
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	24.34	25.19	0.3304



5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@77	24.66	25.51	0.3556
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	36@18	23.5	24.35	0.2723
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	23.61	24.46	0.2793
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@77	23.57	24.42	0.2767
5	15	15	167300	836.5	DFT-s-OFDM QPSK	36@18	24.56	25.41	0.3475
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	24.71	25.56	0.3597
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@77	24.44	25.29	0.3381
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	36@18	23.6	24.45	0.2786
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.58	24.43	0.2773
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@77	23.56	24.41	0.2761
5	15	15	168300	841.5	DFT-s-OFDM QPSK	36@18	24.56	25.41	0.3475
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	24.64	25.49	0.3540
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@77	24.6	25.45	0.3508
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	36@18	23.55	24.4	0.2754
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	23.56	24.41	0.2761
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@77	23.46	24.31	0.2698
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	24.73	25.58	0.3614
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	24.42	25.27	0.3365
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	24.47	25.32	0.3404
5	15	20	166800	834	DFT-s-OFDM QPSK	50@25	24.62	25.47	0.3524
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	24.61	25.46	0.3516
5	15	20	166800	834	DFT-s-OFDM QPSK	1@104	24.75	25.6	0.3631
5	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	23.6	24.45	0.2786
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	23.7	24.55	0.2851
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	23.7	24.55	0.2851
5	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	22.19	23.04	0.2014
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	22.26	23.11	0.2046
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	22.29	23.14	0.2061
5	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	20.08	20.93	0.1239
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	19.95	20.8	0.1202
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	19.5	20.35	0.1084
5	15	20	166800	834	CP-OFDM QPSK	53@26	23.12	23.97	0.2495
5	15	20	166800	834	CP-OFDM QPSK	1@1	23.06	23.91	0.2460
5	15	20	166800	834	CP-OFDM QPSK	1@104	23.09	23.94	0.2477
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	24.61	25.46	0.3516
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	24.46	25.31	0.3396
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	24.57	25.42	0.3483
5	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	24.74	25.59	0.3622
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	24.83	25.68	0.3698
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	24.78	25.63	0.3656
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	23.65	24.5	0.2818
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.84	24.69	0.2944
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	23.69	24.54	0.2844
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	22.16	23.01	0.2000



5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	22.35	23.2	0.2089
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	22.24	23.09	0.2037
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	20.11	20.96	0.1247
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	19.97	20.82	0.1208
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	19.5	20.35	0.1084
5	15	20	167300	836.5	CP-OFDM QPSK	53@26	23.29	24.14	0.2594
5	15	20	167300	836.5	CP-OFDM QPSK	1@1	23.1	23.95	0.2483
5	15	20	167300	836.5	CP-OFDM QPSK	1@104	23.11	23.96	0.2489
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	24.68	25.53	0.3573
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	24.6	25.45	0.3508
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	24.55	25.4	0.3467
5	15	20	167800	839	DFT-s-OFDM QPSK	50@25	24.74	25.59	0.3622
5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	24.76	25.61	0.3639
5	15	20	167800	839	DFT-s-OFDM QPSK	1@104	24.71	25.56	0.3597
5	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	23.63	24.48	0.2805
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	23.78	24.63	0.2904
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	23.7	24.55	0.2851
5	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	22.14	22.99	0.1991
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	22.25	23.1	0.2042
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	22.29	23.14	0.2061
5	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	20.2	21.05	0.1274
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	19.92	20.77	0.1194
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	19.61	20.46	0.1112
5	15	20	167800	839	CP-OFDM QPSK	53@26	23.29	24.14	0.2594
5	15	20	167800	839	CP-OFDM QPSK	1@1	23.1	23.95	0.2483
5	15	20	167800	839	CP-OFDM QPSK	1@104	23.09	23.94	0.2477



FR1 N5- RedCap

Transmitter Conducted Output Power And ERP, ($G_T - L_C$)= 3.0 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	5	165300	826.5	DFT-s-OFDM QPSK	12@6	24.64	25.49	0.3540
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	24.65	25.5	0.3548
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@23	24.69	25.54	0.3581
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	12@6	23.7	24.55	0.2851
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	23.76	24.61	0.2891
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@23	23.69	24.54	0.2844
5	15	5	167300	836.5	DFT-s-OFDM QPSK	12@6	24.69	25.54	0.3581
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	24.65	25.5	0.3548
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@23	24.62	25.47	0.3524
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	12@6	23.61	24.46	0.2793
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.76	24.61	0.2891
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@23	23.71	24.56	0.2858
5	15	5	169300	846.5	DFT-s-OFDM QPSK	12@6	24.65	25.5	0.3548
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	24.67	25.52	0.3565
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@23	24.64	25.49	0.3540
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	12@6	23.79	24.64	0.2911
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	23.85	24.7	0.2951
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@23	23.59	24.44	0.2780
5	15	10	165800	829	DFT-s-OFDM QPSK	25@12	24.67	25.52	0.3565
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	24.68	25.53	0.3573
5	15	10	165800	829	DFT-s-OFDM QPSK	1@50	24.73	25.58	0.3614
5	15	10	165800	829	DFT-s-OFDM 16 QAM	25@12	23.8	24.65	0.2917
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	23.55	24.4	0.2754
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@50	23.84	24.69	0.2944
5	15	10	167300	836.5	DFT-s-OFDM QPSK	25@12	24.61	25.46	0.3516
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	24.65	25.5	0.3548
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@50	24.64	25.49	0.3540
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	25@12	23.71	24.56	0.2858
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.49	24.34	0.2716
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@50	23.89	24.74	0.2979
5	15	10	168800	844	DFT-s-OFDM QPSK	25@12	24.73	25.58	0.3614
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	24.65	25.5	0.3548
5	15	10	168800	844	DFT-s-OFDM QPSK	1@50	24.7	25.55	0.3589
5	15	10	168800	844	DFT-s-OFDM 16 QAM	25@12	23.81	24.66	0.2924
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	23.47	24.32	0.2704
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@50	23.81	24.66	0.2924
5	15	15	166300	831.5	DFT-s-OFDM QPSK	36@18	24.64	25.49	0.3540
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	24.3	25.15	0.3273



5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@77	24.37	25.22	0.3327
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	36@18	23.56	24.41	0.2761
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	23.25	24.1	0.2570
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@77	23.62	24.47	0.2799
5	15	15	167300	836.5	DFT-s-OFDM QPSK	36@18	24.73	25.58	0.3614
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	24.24	25.09	0.3228
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@77	24.43	25.28	0.3373
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	36@18	23.49	24.34	0.2716
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.28	24.13	0.2588
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@77	23.59	24.44	0.2780
5	15	15	168300	841.5	DFT-s-OFDM QPSK	36@18	24.73	25.58	0.3614
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	24.2	25.05	0.3199
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@77	24.34	25.19	0.3304
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	36@18	23.49	24.34	0.2716
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	23.17	24.02	0.2523
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@77	23.72	24.57	0.2864
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	24.63	25.48	0.3532
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	24.54	25.39	0.3459
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	24.46	25.31	0.3396
5	15	20	166800	834	DFT-s-OFDM QPSK	50@25	24.59	25.44	0.3499
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	24.39	25.24	0.3342
5	15	20	166800	834	DFT-s-OFDM QPSK	1@104	24.36	25.21	0.3319
5	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	23.58	24.43	0.2773
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	23.64	24.49	0.2812
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	23.37	24.22	0.2642
5	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	22.11	22.96	0.1977
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	22.17	23.02	0.2004
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	22.26	23.11	0.2046
5	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	20.05	20.9	0.1230
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	19.84	20.69	0.1172
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	19.52	20.37	0.1089
5	15	20	166800	834	CP-OFDM QPSK	53@26	23.14	23.99	0.2506
5	15	20	166800	834	CP-OFDM QPSK	1@1	23.07	23.92	0.2466
5	15	20	166800	834	CP-OFDM QPSK	1@104	22.94	23.79	0.2393
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	24.69	25.54	0.3581
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	24.52	25.37	0.3443
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	24.48	25.33	0.3412
5	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	24.74	25.59	0.3622
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	24.48	25.33	0.3412
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	24.41	25.26	0.3357
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	23.66	24.51	0.2825
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.59	24.44	0.2780
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	23.42	24.27	0.2673
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	22.01	22.86	0.1932



5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	22.23	23.08	0.2032
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	22.3	23.15	0.2065
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	20.14	20.99	0.1256
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	19.82	20.67	0.1167
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	19.54	20.39	0.1094
5	15	20	167300	836.5	CP-OFDM QPSK	53@26	23.14	23.99	0.2506
5	15	20	167300	836.5	CP-OFDM QPSK	1@1	23.17	24.02	0.2523
5	15	20	167300	836.5	CP-OFDM QPSK	1@104	22.93	23.78	0.2388
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	24.54	25.39	0.3459
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	24.51	25.36	0.3436
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	24.38	25.23	0.3334
5	15	20	167800	839	DFT-s-OFDM QPSK	50@25	24.57	25.42	0.3483
5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	24.39	25.24	0.3342
5	15	20	167800	839	DFT-s-OFDM QPSK	1@104	24.27	25.12	0.3251
5	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	23.56	24.41	0.2761
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	23.57	24.42	0.2767
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	23.46	24.31	0.2698
5	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	22.12	22.97	0.1982
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	22.26	23.11	0.2046
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	22.21	23.06	0.2023
5	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	20.14	20.99	0.1256
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	19.76	20.61	0.1151
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	19.57	20.42	0.1102
5	15	20	167800	839	CP-OFDM QPSK	53@26	23.07	23.92	0.2466
5	15	20	167800	839	CP-OFDM QPSK	1@1	23.14	23.99	0.2506
5	15	20	167800	839	CP-OFDM QPSK	1@104	22.88	23.73	0.2360



Software Version: 23.06.1602

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Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 4.0 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	12@6	23.87	27.87	0.6124
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	23.87	27.87	0.6124
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@23	23.81	27.81	0.6039
25	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	12@6	22.75	26.75	0.4732
25	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.93	26.93	0.4932
25	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@23	22.92	26.92	0.4920
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	12@6	23.35	27.35	0.5433
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.35	27.35	0.5433
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@23	23.4	27.4	0.5495
25	15	5	376500	1882.5	DFT-s-OFDM 16 QAM	12@6	22.25	26.25	0.4217
25	15	5	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.45	26.45	0.4416
25	15	5	376500	1882.5	DFT-s-OFDM 16 QAM	1@23	22.41	26.41	0.4375
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	12@6	23.57	27.57	0.5715
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@1	23.56	27.56	0.5702
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@23	23.59	27.59	0.5741
25	15	5	382500	1912.5	DFT-s-OFDM 16 QAM	12@6	22.42	26.42	0.4385
25	15	5	382500	1912.5	DFT-s-OFDM 16 QAM	1@1	22.48	26.48	0.4446
25	15	5	382500	1912.5	DFT-s-OFDM 16 QAM	1@23	22.65	26.65	0.4624
25	15	10	371000	1855	DFT-s-OFDM QPSK	25@12	23.82	27.82	0.6053
25	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	23.9	27.9	0.6166
25	15	10	371000	1855	DFT-s-OFDM QPSK	1@50	23.74	27.74	0.5943
25	15	10	371000	1855	DFT-s-OFDM 16 QAM	25@12	22.85	26.85	0.4842
25	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	22.9	26.9	0.4898
25	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@50	22.74	26.74	0.4721
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	25@12	23.41	27.41	0.5508
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.42	27.42	0.5521



25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@50	23.3	27.3	0.5370
25	15	10	376500	1882.5	DFT-s-OFDM 16 QAM	25@12	22.33	26.33	0.4295
25	15	10	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.41	26.41	0.4375
25	15	10	376500	1882.5	DFT-s-OFDM 16 QAM	1@50	22.37	26.37	0.4335
25	15	10	382000	1910	DFT-s-OFDM QPSK	25@12	23.42	27.42	0.5521
25	15	10	382000	1910	DFT-s-OFDM QPSK	1@1	23.43	27.43	0.5534
25	15	10	382000	1910	DFT-s-OFDM QPSK	1@50	23.59	27.59	0.5741
25	15	10	382000	1910	DFT-s-OFDM 16 QAM	25@12	22.52	26.52	0.4487
25	15	10	382000	1910	DFT-s-OFDM 16 QAM	1@1	22.53	26.53	0.4498
25	15	10	382000	1910	DFT-s-OFDM 16 QAM	1@50	22.68	26.68	0.4656
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	36@18	23.54	27.54	0.5675
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.9	27.9	0.6166
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@77	23.44	27.44	0.5546
25	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	36@18	22.63	26.63	0.4603
25	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	22.77	26.77	0.4753
25	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@77	22.47	26.47	0.4436
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	36@18	23.17	27.17	0.5212
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.31	27.31	0.5383
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	1@77	23.18	27.18	0.5224
25	15	15	376500	1882.5	DFT-s-OFDM 16 QAM	36@18	22.19	26.19	0.4159
25	15	15	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.36	26.36	0.4325
25	15	15	376500	1882.5	DFT-s-OFDM 16 QAM	1@77	22.2	26.2	0.4169
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	36@18	23.26	27.26	0.5321
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	1@1	23.27	27.27	0.5333
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	1@77	23.37	27.37	0.5458
25	15	15	381500	1907.5	DFT-s-OFDM 16 QAM	36@18	22.35	26.35	0.4315
25	15	15	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.29	26.29	0.4256
25	15	15	381500	1907.5	DFT-s-OFDM 16 QAM	1@77	22.5	26.5	0.4467
25	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	50@25	23.81	27.81	0.6039
25	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	23.93	27.93	0.6209
25	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@104	23.51	27.51	0.5636



25	15	20	372000	1860	DFT-s-OFDM QPSK	50@25	23.69	27.69	0.5875
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	23.8	27.8	0.6026
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@104	23.45	27.45	0.5559
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	50@25	22.69	26.69	0.4667
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	22.99	26.99	0.5000
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@104	22.55	26.55	0.4519
25	15	20	372000	1860	DFT-s-OFDM 64 QAM	50@25	21.26	25.26	0.3357
25	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@1	21.61	25.61	0.3639
25	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@104	21.21	25.21	0.3319
25	15	20	372000	1860	DFT-s-OFDM 256 QAM	50@25	19.14	23.14	0.2061
25	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@1	19.06	23.06	0.2023
25	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@104	18.54	22.54	0.1795
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	50@25	23.37	27.37	0.5458
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.38	27.38	0.5470
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@104	23.3	27.3	0.5370
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	50@25	23.37	27.37	0.5458
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.45	27.45	0.5559
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@104	23.28	27.28	0.5346
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	50@25	22.34	26.34	0.4305
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.41	26.41	0.4375
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@104	22.32	26.32	0.4285
25	15	20	376500	1882.5	DFT-s-OFDM 64 QAM	50@25	20.88	24.88	0.3076
25	15	20	376500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.03	25.03	0.3184
25	15	20	376500	1882.5	DFT-s-OFDM 64 QAM	1@104	20.96	24.96	0.3133
25	15	20	376500	1882.5	DFT-s-OFDM 256 QAM	50@25	18.86	22.86	0.1932
25	15	20	376500	1882.5	DFT-s-OFDM 256 QAM	1@1	18.59	22.59	0.1816
25	15	20	376500	1882.5	DFT-s-OFDM 256 QAM	1@104	18.31	22.31	0.1702
25	15	20	381000	1905	DFT-s-OFDM PI/2 BPSK	50@25	23.48	27.48	0.5598
25	15	20	381000	1905	DFT-s-OFDM PI/2 BPSK	1@1	23.33	27.33	0.5408
25	15	20	381000	1905	DFT-s-OFDM PI/2 BPSK	1@104	23.57	27.57	0.5715
25	15	20	381000	1905	DFT-s-OFDM QPSK	50@25	23.42	27.42	0.5521



25	15	20	381000	1905	DFT-s-OFDM QPSK	1@1	23.27	27.27	0.5333
25	15	20	381000	1905	DFT-s-OFDM QPSK	1@104	23.62	27.62	0.5781
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	50@25	22.42	26.42	0.4385
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@1	22.45	26.45	0.4416
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@104	22.69	26.69	0.4667
25	15	20	381000	1905	DFT-s-OFDM 64 QAM	50@25	21.01	25.01	0.3170
25	15	20	381000	1905	DFT-s-OFDM 64 QAM	1@1	21.02	25.02	0.3177
25	15	20	381000	1905	DFT-s-OFDM 64 QAM	1@104	21.22	25.22	0.3327
25	15	20	381000	1905	DFT-s-OFDM 256 QAM	50@25	18.94	22.94	0.1968
25	15	20	381000	1905	DFT-s-OFDM 256 QAM	1@1	18.48	22.48	0.1770
25	15	20	381000	1905	DFT-s-OFDM 256 QAM	1@104	18.63	22.63	0.1832



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	14.8	PASS	NV
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	19.2	PASS	LV
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	12.8	PASS	HV
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	10.6	PASS	-30°C
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	18.1	PASS	-20°C
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	15.3	PASS	-10°C
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	15.2	PASS	0°C
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	11.8	PASS	10°C
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	14.8	PASS	20°C
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	17.9	PASS	30°C
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	18.9	PASS	40°C
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	18.4	PASS	50°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	16.4	PASS	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	17.1	PASS	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	14.7	PASS	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	16.2	PASS	-30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	10.5	PASS	-20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	17.9	PASS	-10°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	17.3	PASS	0°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	16.2	PASS	10°C



25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	15.4	PASS	20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	13.8	PASS	30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	16.2	PASS	40°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	13.2	PASS	50°C
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	16.8	PASS	NV
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	11	PASS	LV
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	18.4	PASS	HV
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	12	PASS	-30°C
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	14.8	PASS	-20°C
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	17.4	PASS	-10°C
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	12.7	PASS	0°C
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	13.4	PASS	10°C
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	16.8	PASS	20°C
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	15.3	PASS	30°C
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	17.7	PASS	40°C
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	10.5	PASS	50°C

$|\text{MAX}(\Delta f)| = 19.2 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	1850.505782	$\geq 1850 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	1914.461618	$\leq 1915 \text{ MHz}$	

**Peak to Average Ratio**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM PI/2 BPSK	25@0	3.92	13	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	25@0	5.15	13	PASS
25	15	5	376500	1882.5	DFT-s-OFDM PI/2 BPSK	25@0	4.16	13	PASS
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	25@0	4.97	13	PASS
25	15	5	382500	1912.5	DFT-s-OFDM PI/2 BPSK	25@0	4.28	13	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	25@0	4.98	13	PASS
25	15	10	371000	1855.0	DFT-s-OFDM PI/2 BPSK	50@0	4.31	13	PASS
25	15	10	371000	1855.0	DFT-s-OFDM QPSK	50@0	5.04	13	PASS
25	15	10	376500	1882.5	DFT-s-OFDM PI/2 BPSK	50@0	4.23	13	PASS
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	50@0	5.0	13	PASS
25	15	10	382000	1910.0	DFT-s-OFDM PI/2 BPSK	50@0	4.04	13	PASS
25	15	10	382000	1910.0	DFT-s-OFDM QPSK	50@0	4.64	13	PASS
25	15	15	371500	1857.5	DFT-s-OFDM PI/2 BPSK	75@0	3.47	13	PASS
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	75@0	5.05	13	PASS
25	15	15	376500	1882.5	DFT-s-OFDM PI/2 BPSK	75@0	3.29	13	PASS
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	75@0	4.67	13	PASS
25	15	15	381500	1907.5	DFT-s-OFDM PI/2 BPSK	75@0	3.28	13	PASS
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	75@0	4.92	13	PASS
25	15	20	372000	1860.0	DFT-s-OFDM PI/2 BPSK	100@0	4.53	13	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	5.12	13	PASS



25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	100@0	4.29	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	5.0	13	PASS
25	15	20	381000	1905.0	DFT-s-OFDM PI/2 BPSK	100@0	4.0	13	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	5.13	13	PASS



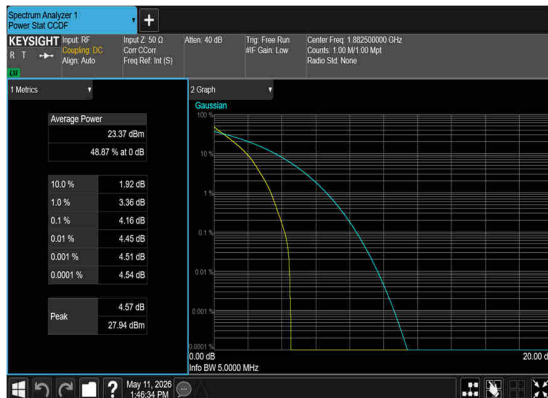
N25(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



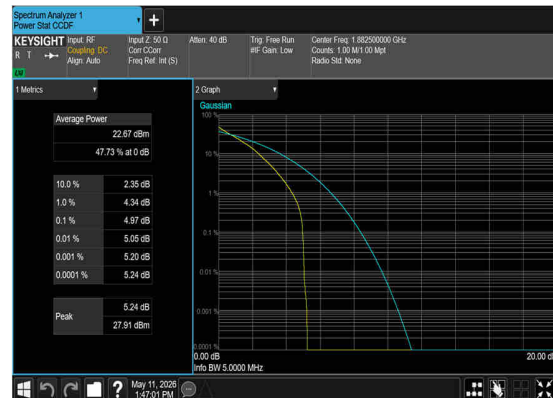
N25(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N25(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N25(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





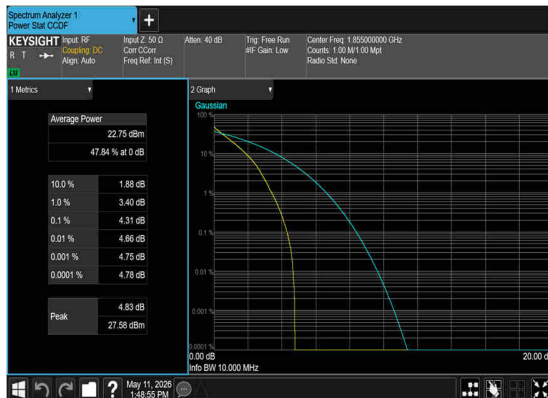
N25(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



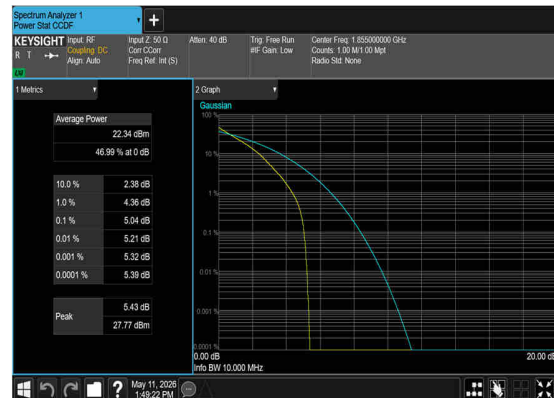
N25(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N25(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



N25(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





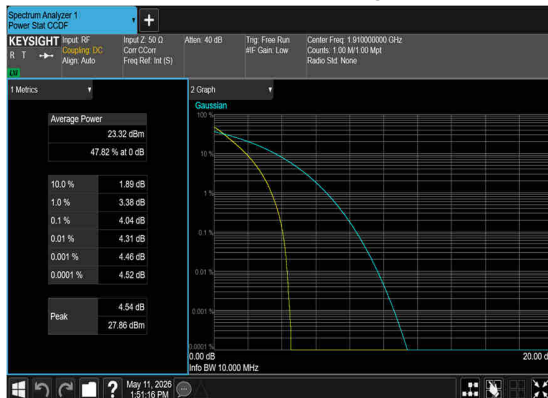
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BPSK_Outer_Full_Mid_CH



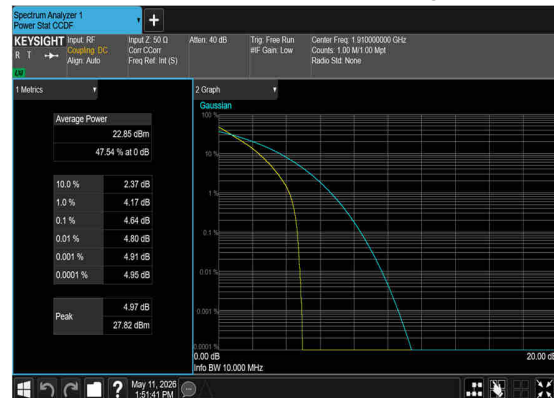
N25(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N25(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



N25(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





N25(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



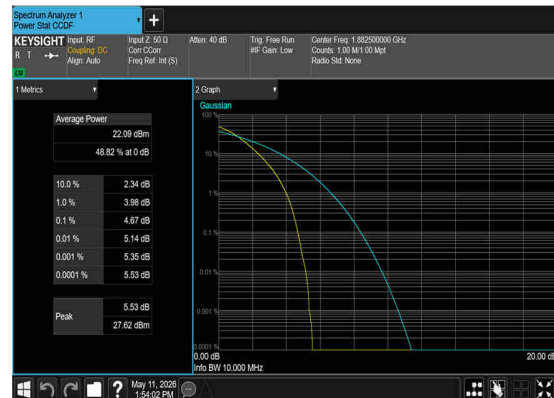
N25(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N25(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N25(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





N25(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



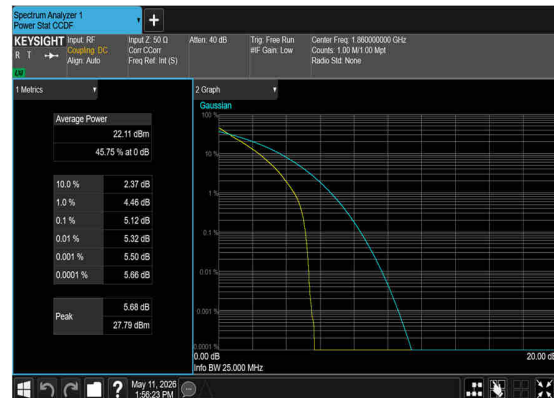
N25(15M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N25(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





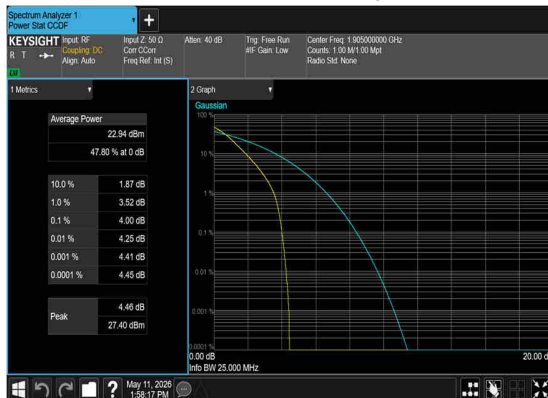
N25(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



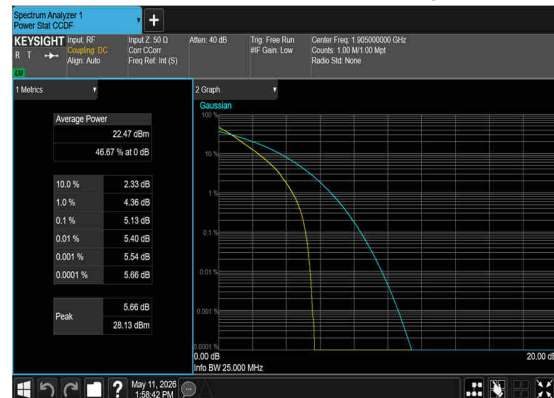
N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N25(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
25	15	5	376500	1882.5	CP-OFDM QPSK	25@0	4.4729	5.042
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.4795	5.161
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4711	5.072
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4825	5.04
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.2846	10.1
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.294	9.929
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2655	9.968
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.2841	9.997
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.068	14.87
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.1	14.87
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.121	14.94
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.077	14.78
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.86	19.87
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.879	19.91
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.909	19.74
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.916	19.9



N25(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



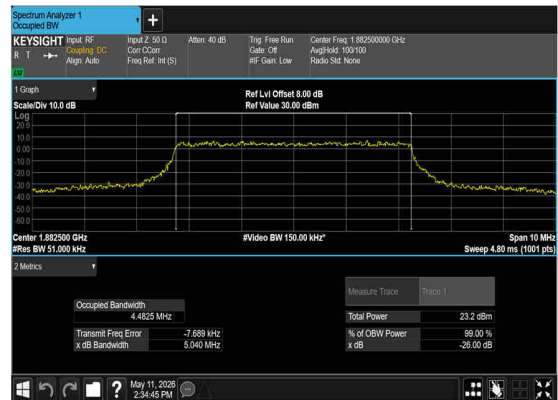
N25(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

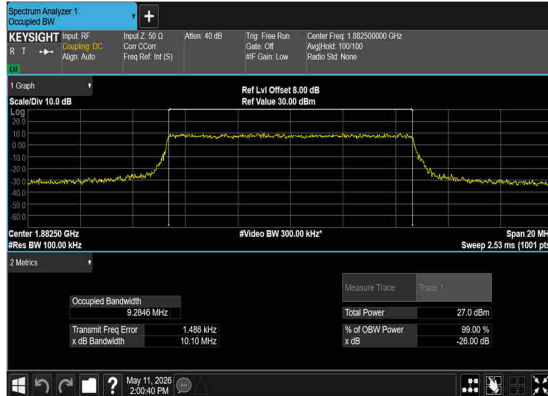


N25(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

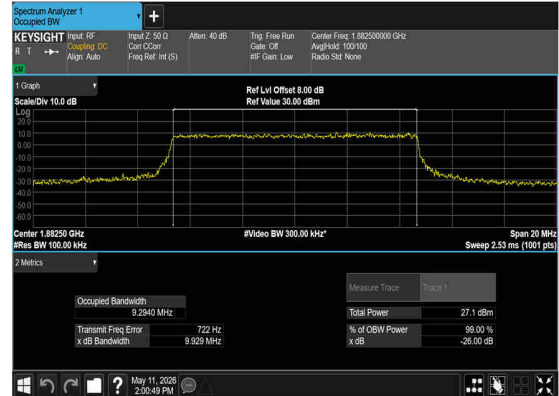




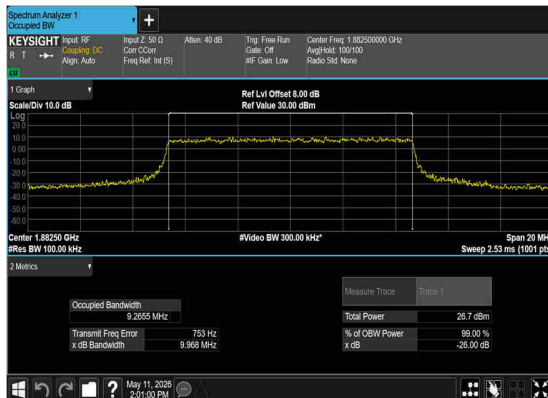
N25(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



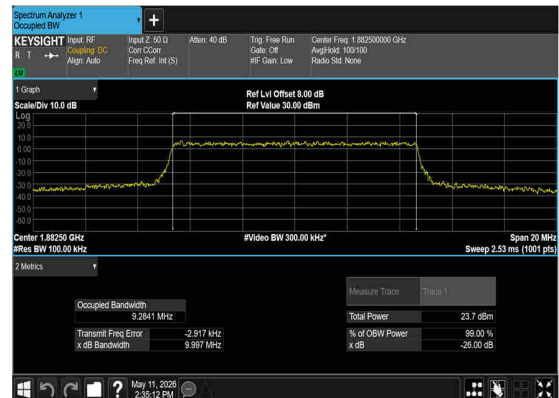
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QAM_Outer_Full_Mid_CH



N25(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

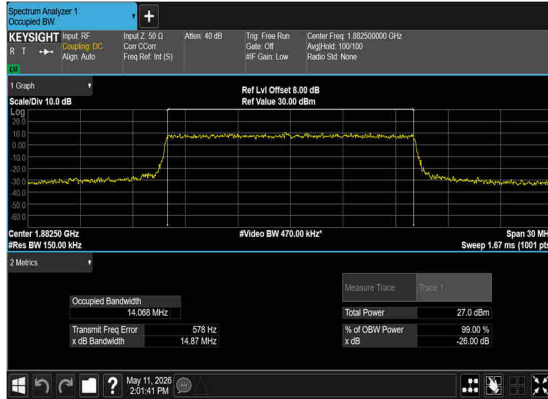


N25(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





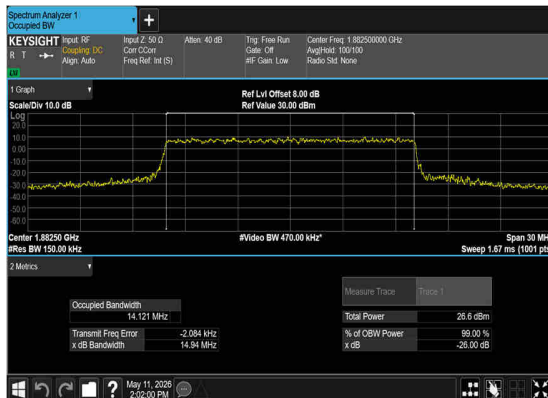
N25(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



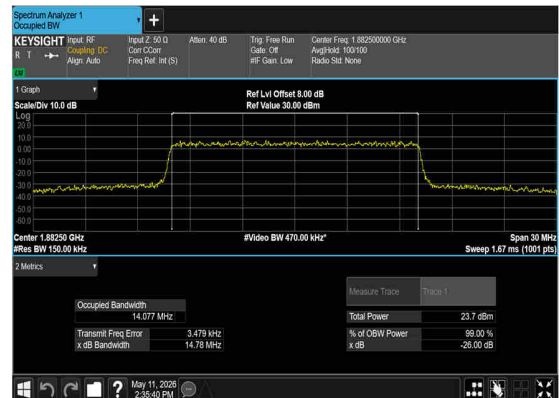
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QAM_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





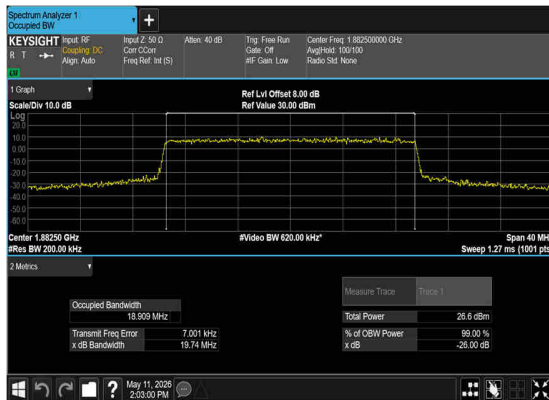
N25(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



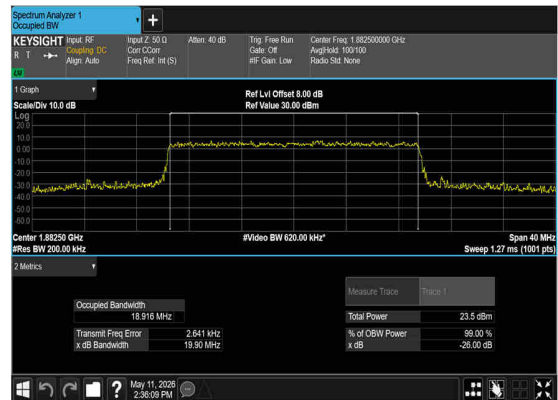
N25(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





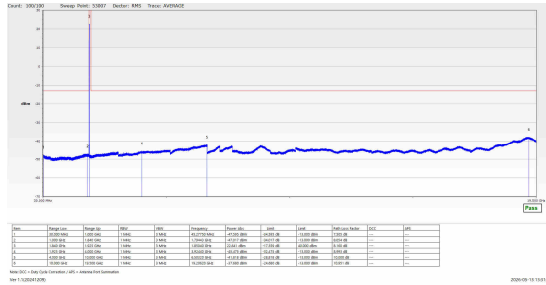
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	10	371000	1855.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	10	371000	1855.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	10	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	10	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS

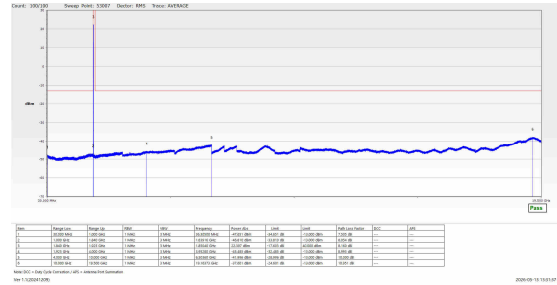


25	15	10	382000	1910.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	10	382000	1910.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	10	382000	1910.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	10	382000	1910.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	20	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

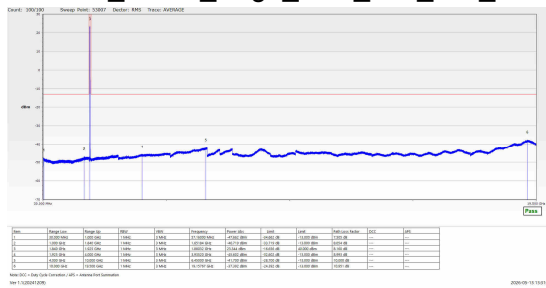
N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



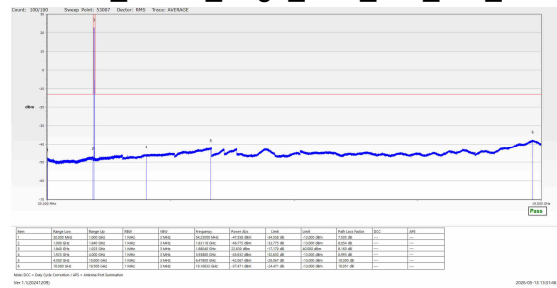
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OFDM_QPSK_Edge_1RB_Left_Low_CH



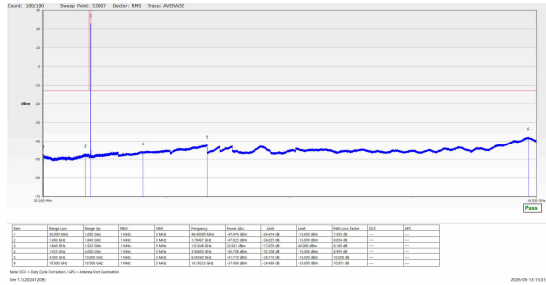
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OFDM_BPSK_Edge_1RB_Left_Mid_CH



N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

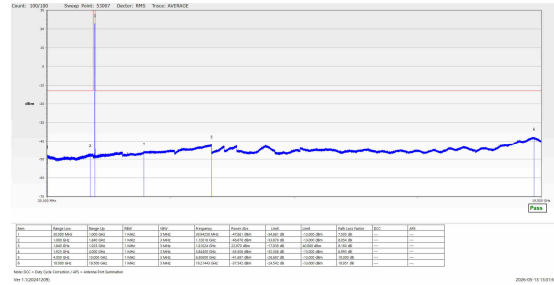


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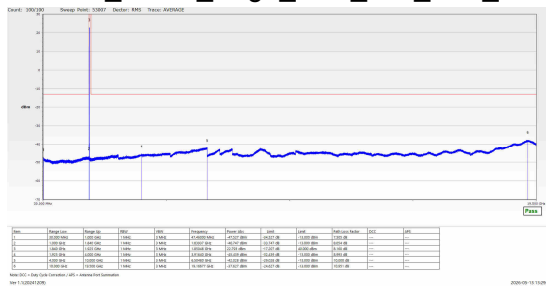
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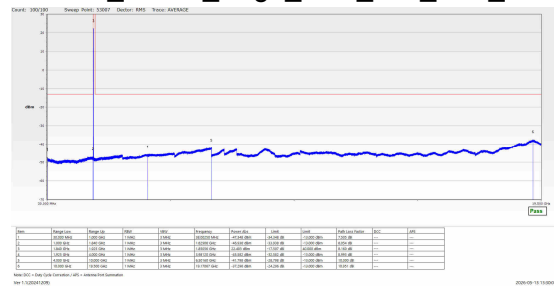
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N25(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



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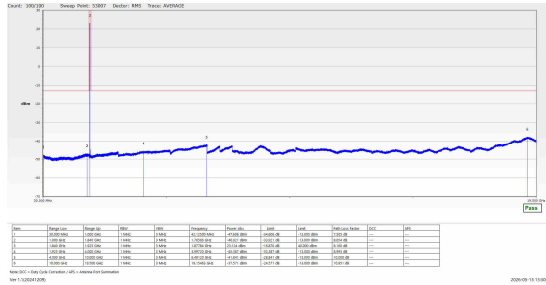
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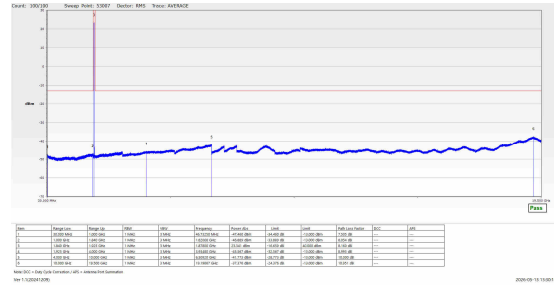
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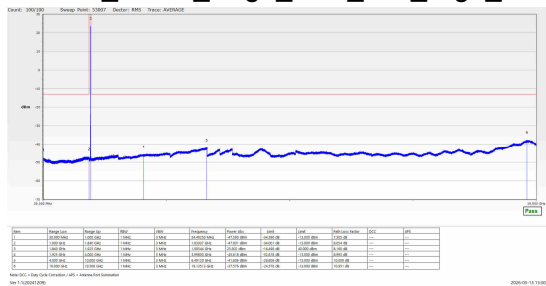
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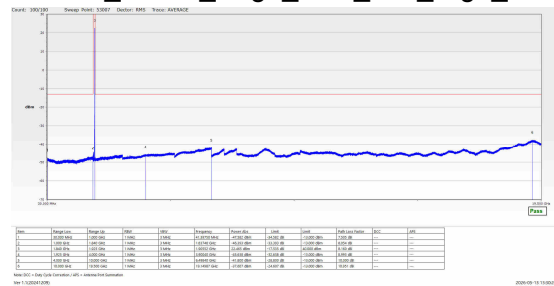
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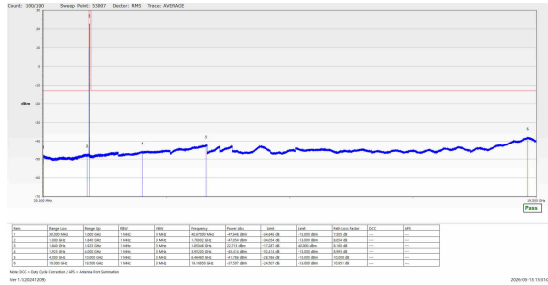
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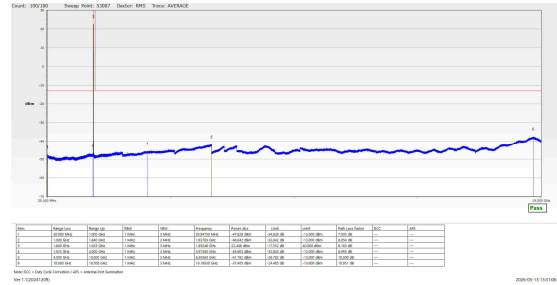
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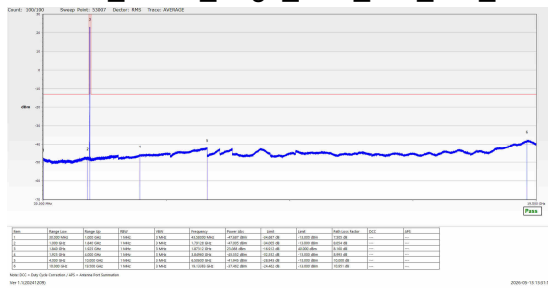
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

