



FCC RF Test Report

APPLICANT : OnePlus Technology (Shenzhen) Co., Ltd.
EQUIPMENT : Smart Phone
BRAND NAME : ONEPLUS
MODEL NAME : LE2117
FCC ID : 2ABZ2-EF136
STANDARD : 47 CFR Part 2, 22, 24, 27
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

The product was received on Oct. 28, 2020 and completely tested on Dec. 26, 2020. We, Sporton International (ShenZhen) Inc., 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 (ShenZhen) Inc., the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



Sporton International (ShenZhen) Inc.

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG002801-02G	Rev. 01	Initial issue of report	Feb. 04, 2021



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)	ERP < 7 Watt		
	§24.232(c)	Equivalent Isotropic Radiated Power (5G NR n2, n25)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (5G NR n66)	EIRP < 1Watt		
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) §27.53(h)	Conducted Band Edge Measurement (5G NR n5) (5G NR n2, n25) (5G NR n66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Spurious Emission (5G NR n5) (5G NR n2, n25) (5G NR n66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§24.235 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(h)	Radiated Spurious Emission (5G NR n5) (5G NR n2, n25) (5G NR n66)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 34.71 dB at 3746.500 MHz

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



1 General Description

1.1 Applicant

OnePlus Technology (Shenzhen) Co., Ltd.

18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen

1.2 Manufacturer

OnePlus Technology (Shenzhen) Co., Ltd.

18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Phone
Brand Name	ONEPLUS
Model Name	LE2117
FCC ID	2ABZ2-EF136
EUT supports Radios application	CDMA/GSM/WCDMA/LTE/5G NR WLAN 2.4GHz 802.11b/g/n/ac HT20/HT40/VHT20/VHT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 Bluetooth BR / EDR / LE / ANT+ GNSS/NFC/WPT(Qi)
IMEI Code	Conducted : 990016720023793 for Band n5 866522050026257 for Band n25/n2 990016720023652 for Band n66 Radiation : 990017410024190 for Band 5A-n2A/2A-n5A/12A-n25A/2A-n66A 990017410026906 for Band n5/n2/n25/n66
HW Version	22
SW Version	11.2.0.0.LE54CB
EUT Stage	Production Unit

Remark:

Only 5G NR bands are tested in this report, all the other RF bands are tested in the other reports separately.

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 n66: 1710 MHz ~ 1780 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 n66: 2110 MHz~ 2200 MHz
Bandwidth	n2, n5, n25, n66: 5MHz / 10MHz / 15MHz / 20MHz
SCS	n2, n5, n25, n66: 15KHz
Antenna Gain	Top Antenna: 5G NR n2: -3.0 dBi 5G NR n5: -4.5 dBi 5G NR n25: -3.0 dBi 5G NR n66: -3.0 dBi Boottom Antenna: 5G NR n2: -2.0 dBi 5G NR n5: -4.0 dBi 5G NR n25: -2.0 dBi 5G NR n66: -2.0 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

5G NR n2 (EN DC_5A-n2A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1852.5 ~ 1907.5	4M48G7D	0.1903	4M49W7D	0.1409
10	1855.0 ~ 1905.0	9M27G7D	0.1903	9M29W7D	0.1415
15	1857.5 ~ 1902.5	14M1G7D	0.1903	14M1W7D	0.1409
20	1860.0 ~ 1900.0	18M9G7D	0.1907	19M0W7D	0.1422
Frequency Tolerance (ppm)		0.0019			

5G NR n5 (EN DC_2A-n5A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	826.5 ~ 846.5	4M47G7D	0.0595	4M48W7D	0.0472
10	829.0 ~ 844.0	9M29G7D	0.0576	9M29W7D	0.0443
15	831.5 ~ 841.5	14M1G7D	0.0580	14M2W7D	0.0470
20	834.0 ~ 839.0	18M9G7D	0.0603	18M9W7D	0.0469
Frequency Tolerance (ppm)		0.0019			

5G NR n25 (EN DC_12A-n25A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1852.5 ~ 1912.5	4M47G7D	0.1885	4M53W7D	0.1475
10	1855.0 ~ 1910.0	9M27G7D	0.1881	9M31W7D	0.1468
15	1857.5 ~ 1907.5	14M1G7D	0.1903	14M1W7D	0.1464
20	1860.0 ~ 1905.0	18M9G7D	0.1907	19M0W7D	0.1475
Frequency Tolerance (ppm)		0.0021			

5G NR n66 (EN DC_2A-n66A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1712.5 ~ 1777.5	4M48G7D	0.1512	4M48W7D	0.1202
10	1715.0 ~ 1775.0	9M29G7D	0.1508	9M29W7D	0.1197
15	1717.5 ~ 1772.5	14M1G7D	0.1501	14M2W7D	0.1216
20	1720.0 ~ 1770.0	19M0G7D	0.1512	19M0W7D	0.1191
Frequency Tolerance (ppm)		0.0022			

5G NR n2		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1852.5 ~ 1907.5	4M48G7D	0.1892	4M48W7D	0.1510
10	1855.0 ~ 1905.0	9M29G7D	0.1871	9M29W7D	0.1510
15	1857.5 ~ 1902.5	14M2G7D	0.1892	14M2W7D	0.1510
20	1860.0 ~ 1900.0	18M9G7D	0.1901	18M9W7D	0.1510
Frequency Tolerance (ppm)		0.0021			

5G NR n5		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	826.5 ~ 846.5	4M48G7D	0.0575	4M48W7D	0.0456
10	829.0 ~ 844.0	9M27G7D	0.0570	9M29W7D	0.0460
15	831.5 ~ 841.5	14M1G7D	0.0570	14M2W7D	0.0470
20	834.0 ~ 839.0	18M9G7D	0.0579	19M0W7D	0.0466
Frequency Tolerance (ppm)		0.0029			

5G NR n25		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1852.5 ~ 1912.5	4M47G7D	0.1828	4M49W7D	0.1496
10	1855.0 ~ 1910.0	9M25G7D	0.1862	9M29W7D	0.1531
15	1857.5 ~ 1907.5	14M1G7D	0.1884	14M1W7D	0.1452
20	1860.0 ~ 1905.0	18M9G7D	0.1901	18M9W7D	0.1552
Frequency Tolerance (ppm)		0.0027			

5G NR n66		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1712.5 ~ 1777.5	4M46G7D	0.1845	4M50W7D	0.1416
10	1715.0 ~ 1775.0	9M25G7D	0.1786	9M31W7D	0.1442
15	1717.5 ~ 1772.5	14M1G7D	0.1845	14M2W7D	0.1432
20	1720.0 ~ 1770.0	18M9G7D	0.1849	18M9W7D	0.1432
Frequency Tolerance (ppm)		0.0029			

1.7 Testing Location

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

Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Test Firm	Sporton International (Shenzhen) Inc.		
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 China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH01/03-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24
2.	03CH03-SZ	AUDIX	E3	6.2009-8-24

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 2, 22, 24, 27
- ♦ 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 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.

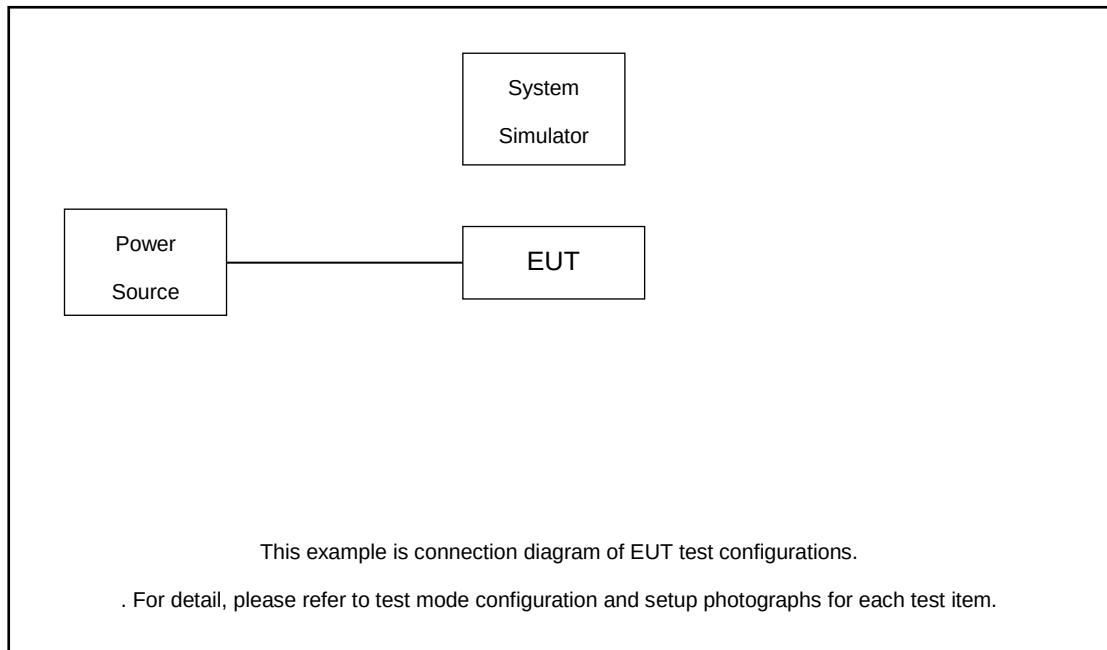
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

Test Items	5G NR	Bandwidth (MHz)						Modulation					RB #			Test Channel		
		5	10	15	20	60	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	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
	n66	v	v	v	v	-	-	v	v	v	v	v	v		v	v	v	v
Peak-to- Average Ratio	n2				v	-	-	v	v				v		v	v	v	v
	n5				v	-	-	v	v				v		v	v	v	v
	n25				v	-	-	v	v				v		v	v	v	v
	n66				v	-	-	v	v				v		v	v	v	v
26dB Bandwidth	n2	v	v	v	v	-	-		v	v					v		v	
	n5	v	v	v	v	-	-		v	v					v		v	
	n25	v	v	v	v	-	-		v	v					v		v	
	n66	v	v	v	v	-	-		v	v					v		v	
99% Bandwidth	n2	v	v	v	v	-	-		v	v	v	v			v		v	
	n5	v	v	v	v	-	-		v	v	v	v			v		v	
	n25	v	v	v	v	-	-		v	v	v	v			v		v	
	n66	v	v	v	v	-	-		v	v	v	v			v		v	



Test Items	Band	Bandwidth (MHz)						Modulation					RB #			Test Channel		
		5	10	15	20	60	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Conducted Band Edge	n2	v	v		v	-	-	v	v				v		v	v		v
	n5	v	v		v	-	-	v	v				v		v	v		v
	n25	v	v		v	-	-	v	v				v		v	v		v
	n66	v	v		v	-	-	v	v				v		v	v		v
Conducted Spurious Emission	n2	v	v		v	-	-	v	v				v			v	v	v
	n5	v	v		v	-	-	v	v				v			v	v	v
	n25	v	v		v	-	-	v	v				v			v	v	v
	n66	v	v		v	-	-	v	v				v			v	v	v
Frequency Stability	n2				v	-	-	v							v		v	
	n5				v	-	-	v							v		v	
	n25				v	-	-	v							v		v	
	n66				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
	n66	v	v	v	v	-	-	v	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	n2	Worst Case														v	v	v
	n5	Worst Case														v	v	v
	n25	Worst Case														v	v	v
	n66	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. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP is shown in the report. 5. 5G NR supports SA and NSA mode (refer to the Operation Description). For NSA mode, according to engineering evaluation, only the worst EN-DC combination mode show in the report. 6. Based on engineering evaluation, only the worst modulation test results are shown in the report.																	

2.2 Connection Diagram of Test System



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.	Base Station	Keysight	UXM E7515B	Fcc DoC	N/A	Unshielded, 1.5 m

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 4.2 dB.

Example :

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\
 &= 4.2 \text{ (dB)}
 \end{aligned}$$

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 n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5

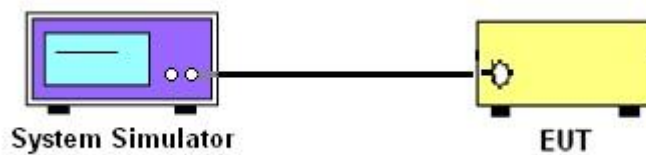
3 Conducted Test Items

3.1 Measuring Instruments

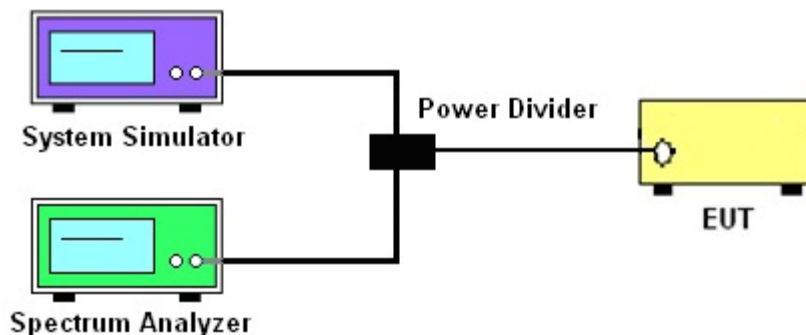
See list of measuring instruments of this test report.

3.2 Test Setup

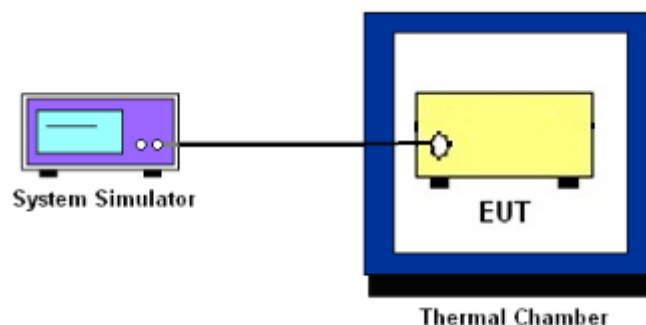
3.2.1 Conducted Output Power



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.

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

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66.

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.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz 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.

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

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.

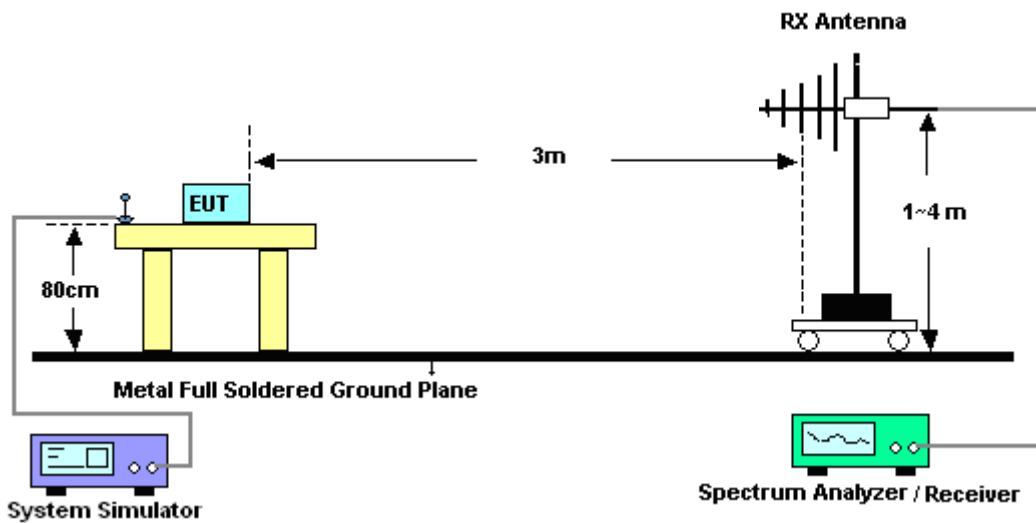
4 Radiated Test Items

4.1 Measuring Instruments

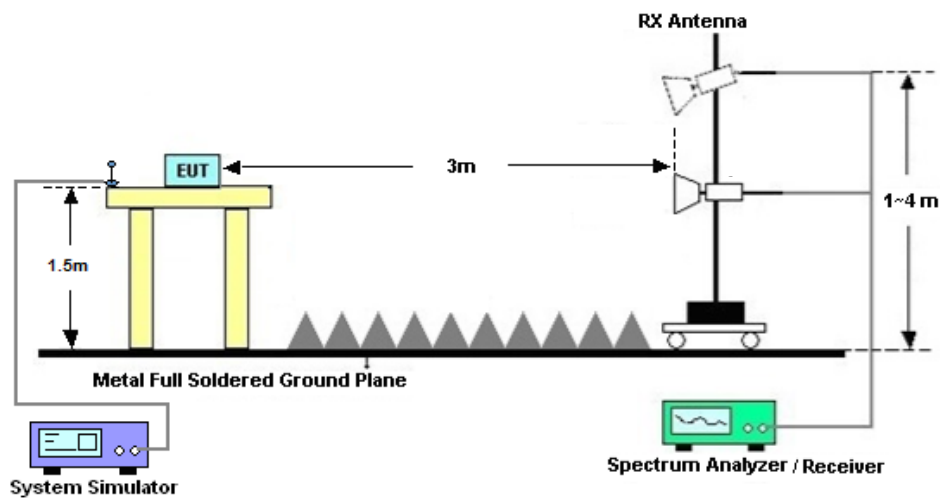
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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	Apr. 17, 2020	Nov. 24, 2020~Dec. 21, 2020	Apr. 16, 2021	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 22, 2020	Nov. 24, 2020~Dec. 21, 2020	Jul. 21, 2021	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Jul. 21, 2020	Dec. 24, 2020~Dec. 26, 2020	Jul. 20, 2021	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270104	0.5GHz~26.5GHz	Dec. 27, 2019	Dec. 24, 2020~Dec. 26, 2020	Dec. 26, 2020	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2020	Dec. 24, 2020~Dec. 26, 2020	Jul. 14, 2021	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2020	Dec. 24, 2020~Dec. 26, 2020	Jul. 24, 2021	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz-40GHz	Apr. 23, 2020	Dec. 24, 2020~Dec. 26, 2020	Apr. 22, 2021	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 17, 2020	Dec. 24, 2020~Dec. 26, 2020	Apr. 16, 2021	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 17, 2020	Dec. 24, 2020~Dec. 26, 2020	Oct. 16, 2021	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 21, 2020	Dec. 24, 2020~Dec. 26, 2020	Jul. 20, 2021	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Dec. 24, 2020~Dec. 26, 2020	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Dec. 24, 2020~Dec. 26, 2020	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Dec. 24, 2020~Dec. 26, 2020	NCR	Radiation (03CH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 17, 2020	Dec. 26, 2020	Apr. 16, 2021	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 17, 2020	Dec. 26, 2020	Apr. 16, 2021	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Jun. 22, 2020	Dec. 26, 2020	Jun. 21, 2021	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 30, 2020	Dec. 26, 2020	Apr. 29, 2021	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102210	0.01Hz ~3000MHz	Oct. 17, 2019	Dec. 26, 2020	Oct. 16, 2021	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 21, 2020	Dec. 26, 2020	Jul. 20, 2021	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz-40GHz	Apr. 23, 2020	Dec. 26, 2020	Apr. 22, 2021	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 25, 2020	Dec. 26, 2020	Dec. 24, 2021	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Dec. 26, 2020	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Dec. 26, 2020	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Dec. 26, 2020	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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.

For 03CH01-SZ:

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.48dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.53dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.02dB
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For 03CH03-SZ:

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.0dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.6dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.8dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and EIRP)

5G NR EN_DC_n2A-5A NSA mode:

EN-DC n2 (ANT3)+5A (ANT1)Combination 20MHz+10MHz(LTE)(GT - LC = -2dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.80	0.3022	22.80	0.1907
		1	104	1	49	24.74	0.2981	22.74	0.1881
		50	25	50	0	24.78	0.3009	22.78	0.1898
	QPSK DFT-s-OFDM	1	1	1	0	24.74	0.2981	22.74	0.1881
		1	104	1	49	24.70	0.2954	22.70	0.1864
		50	25	50	0	24.73	0.2974	22.73	0.1877
	16QAM DFT-s-OFDM	1	1	1	0	23.40	0.2187	21.40	0.138
		1	104	1	49	23.23	0.2104	21.23	0.1327
		50	25	50	0	23.41	0.2192	21.41	0.1383
	64QAM DFT-s-OFDM	1	1	1	0	22.26	0.1684	20.26	0.1063
		1	104	1	49	21.81	0.1516	19.81	0.0956
		50	25	50	0	21.86	0.1534	19.86	0.0968
	256QAM DFT-s-OFDM	1	1	1	0	20.30	0.1071	18.30	0.0676
		1	104	1	49	19.68	0.093	17.68	0.0587
		50	25	50	0	20.13	0.103	18.13	0.065
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.72	0.2967	22.72	0.1872
		1	104	1	49	24.71	0.2961	22.71	0.1868
		50	25	50	0	24.75	0.2988	22.75	0.1885
	QPSK DFT-s-OFDM	1	1	1	0	24.66	0.2927	22.66	0.1847
		1	104	1	49	24.61	0.2893	22.61	0.1826
		50	25	50	0	24.78	0.3009	22.78	0.1898
	16QAM DFT-s-OFDM	1	1	1	0	23.38	0.2177	21.38	0.1373
		1	104	1	49	23.35	0.2162	21.35	0.1364
		50	25	50	0	23.53	0.2253	21.53	0.1422
	64QAM DFT-s-OFDM	1	1	1	0	21.98	0.1576	19.98	0.0994
		1	104	1	49	21.85	0.153	19.85	0.0965
		50	25	50	0	22.11	0.1624	20.11	0.1025
	256QAM DFT-s-OFDM	1	1	1	0	20.23	0.1054	18.23	0.0665
		1	104	1	49	20.02	0.1005	18.02	0.0634
		50	25	50	0	20.19	0.1045	18.19	0.0659
QPSK CP-OFDM	1	1	1	0	23.43	0.2202	21.43	0.1389	
	1	104	1	49	22.60	0.1821	20.60	0.1149	
	53	26	50	0	23.03	0.2009	21.03	0.1268	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.78	0.3008	22.78	0.1898
		1	104	1	49	24.76	0.2995	22.76	0.1889
		50	25	50	0	24.77	0.3002	22.77	0.1894
	QPSK DFT-s-OFDM	1	1	1	0	24.77	0.3002	22.77	0.1894
		1	104	1	49	24.72	0.2967	22.72	0.1872
		50	25	50	0	24.76	0.2995	22.76	0.189
	16QAM DFT-s-OFDM	1	1	1	0	23.26	0.2118	21.26	0.1336
		1	104	1	49	23.20	0.2089	21.20	0.1318
		50	25	50	0	23.47	0.2222	21.47	0.1402
	64QAM DFT-s-OFDM	1	1	1	0	21.76	0.1499	19.76	0.0945
		1	104	1	49	21.85	0.153	19.85	0.0965
		50	25	50	0	22.00	0.1587	20.00	0.1001
	256QAM DFT-s-OFDM	1	1	1	0	20.17	0.104	18.17	0.0656
		1	104	1	49	20.58	0.1144	18.58	0.0722
		50	25	50	0	20.05	0.1012	18.05	0.0638
Limit	EIRP < 2W					Result		PASS	

EN-DC n2 (ANT3)+5A (ANT1) Combination 15MHz+10MHz(LTE)(GT - LC = -2dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.76	0.2995	22.76	0.189
		1	77	1	49	24.78	0.3008	22.78	0.1898
		36	18	50	0	24.76	0.2995	22.76	0.189
	QPSK DFT-s-OFDM	1	1	1	0	24.79	0.3015	22.79	0.1903
		1	77	1	49	24.76	0.2994	22.76	0.1889
		36	18	50	0	24.76	0.2995	22.76	0.189
	16QAM DFT-s-OFDM	1	1	1	0	23.37	0.2172	21.37	0.137
		1	77	1	49	23.33	0.2152	21.33	0.1358
		36	18	50	0	23.43	0.2202	21.43	0.139
	64QAM DFT-s-OFDM	1	1	1	0	22.02	0.1591	20.02	0.1004
		1	77	1	49	21.88	0.154	19.88	0.0972
		36	18	50	0	21.78	0.1506	19.78	0.095
	256QAM DFT-s-OFDM	1	1	1	0	20.08	0.1018	18.08	0.0643
		1	77	1	49	20.18	0.1042	18.18	0.0658
		36	18	50	0	19.95	0.0989	17.95	0.0624
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.78	0.3008	22.78
1			77	1	49	24.79	0.3015	22.79	0.1903
36			18	50	0	24.75	0.2988	22.75	0.1885
QPSK DFT-s-OFDM		1	1	1	0	24.79	0.3015	22.79	0.1903
		1	77	1	49	24.76	0.2995	22.76	0.1889
		36	18	50	0	24.79	0.3016	22.79	0.1903
16QAM DFT-s-OFDM		1	1	1	0	23.44	0.2207	21.44	0.1393
		1	77	1	49	23.29	0.2132	21.29	0.1345
		36	18	50	0	23.38	0.2177	21.38	0.1374
64QAM DFT-s-OFDM		1	1	1	0	21.84	0.1526	19.84	0.0963
		1	77	1	49	21.88	0.154	19.88	0.0972
		36	18	50	0	21.81	0.1516	19.81	0.0957
256QAM DFT-s-OFDM		1	1	1	0	19.89	0.0975	17.89	0.0615
		1	77	1	49	20.05	0.1011	18.05	0.0638
		36	18	50	0	19.98	0.0996	17.98	0.0628
QPSK CP-OFDM		1	1	1	0	22.74	0.188	20.74	0.1186
	1	77	1	49	22.99	0.1991	20.99	0.1256	
	39	19	50	0	22.96	0.1977	20.96	0.1247	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.78	0.3008	22.78	0.1898
		1	77	1	49	24.79	0.3015	22.79	0.1903
		36	18	50	0	24.76	0.2995	22.76	0.189
	QPSK DFT-s-OFDM	1	1	1	0	24.76	0.2995	22.76	0.1889
		1	77	1	49	24.75	0.2988	22.75	0.1885
		36	18	50	0	24.79	0.3016	22.79	0.1903
	16QAM DFT-s-OFDM	1	1	1	0	23.49	0.2232	21.49	0.1409
		1	77	1	49	23.31	0.2143	21.31	0.1352
		36	18	50	0	23.38	0.2177	21.38	0.1374
	64QAM DFT-s-OFDM	1	1	1	0	21.89	0.1544	19.89	0.0974
		1	77	1	49	22.08	0.1613	20.08	0.1018
		36	18	50	0	22.10	0.162	20.10	0.1022
	256QAM DFT-s-OFDM	1	1	1	0	20.11	0.1025	18.11	0.0647
		1	77	1	49	20.20	0.1047	18.20	0.0661
		36	18	50	0	20.01	0.1003	18.01	0.0633
	Limit	EIRP < 2W					Result		PASS

EN-DC n2 (ANT3)+5A (ANT1) Combination 10MHz+10MHz(LTE)(GT - LC = -2dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.75	0.2988	22.75	0.1885
		1	50	1	49	24.62	0.29	22.62	0.183
		25	12	50	0	24.64	0.2913	22.64	0.1838
	QPSK DFT-s-OFDM	1	1	1	0	24.67	0.2933	22.67	0.1851
		1	50	1	49	24.73	0.2974	22.73	0.1877
		25	12	50	0	24.66	0.2927	22.66	0.1847
	16QAM DFT-s-OFDM	1	1	1	0	23.37	0.2172	21.37	0.137
		1	50	1	49	23.29	0.2132	21.29	0.1345
		25	12	50	0	23.46	0.2217	21.46	0.1399
	64QAM DFT-s-OFDM	1	1	1	0	21.87	0.1537	19.87	0.097
		1	50	1	49	21.81	0.1516	19.81	0.0956
		25	12	50	0	21.87	0.1537	19.87	0.097
	256QAM DFT-s-OFDM	1	1	1	0	19.97	0.0994	17.97	0.0627
		1	50	1	49	20.18	0.1042	18.18	0.0658
		25	12	50	0	20.02	0.1005	18.02	0.0634
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.70	0.2954	22.70	0.1864
		1	50	1	49	24.68	0.294	22.68	0.1855
		25	12	50	0	24.62	0.29	22.62	0.183
	QPSK DFT-s-OFDM	1	1	1	0	24.69	0.2947	22.69	0.1859
		1	50	1	49	24.72	0.2967	22.72	0.1872
		25	12	50	0	24.75	0.2988	22.75	0.1885
	16QAM DFT-s-OFDM	1	1	1	0	23.18	0.2079	21.18	0.1312
		1	50	1	49	23.16	0.207	21.16	0.1306
		25	12	50	0	23.40	0.2187	21.40	0.138
	64QAM DFT-s-OFDM	1	1	1	0	22.00	0.1587	20.00	0.1001
		1	50	1	49	21.90	0.1547	19.90	0.0976
		25	12	50	0	21.83	0.1523	19.83	0.0961
	256QAM DFT-s-OFDM	1	1	1	0	19.93	0.0984	17.93	0.0621
		1	50	1	49	20.06	0.1014	18.06	0.064
		25	12	50	0	19.99	0.0998	17.99	0.063
QPSK CP-OFDM	1	1	1	0	22.83	0.1919	20.83	0.1211	
	1	50	1	49	22.66	0.1846	20.66	0.1165	
	26	13	50	0	22.94	0.1968	20.94	0.1242	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.64	0.2913	22.64	0.1838
		1	50	1	49	24.66	0.2927	22.66	0.1847
		25	12	50	0	24.70	0.2954	22.70	0.1864
	QPSK DFT-s-OFDM	1	1	1	0	24.56	0.2861	22.56	0.1805
		1	50	1	49	24.60	0.2887	22.60	0.1822
		25	12	50	0	24.79	0.3015	22.79	0.1903
	16QAM DFT-s-OFDM	1	1	1	0	23.39	0.2182	21.39	0.1377
		1	50	1	49	23.16	0.207	21.16	0.1306
		25	12	50	0	23.51	0.2243	21.51	0.1415
	64QAM DFT-s-OFDM	1	1	1	0	21.79	0.1509	19.79	0.0952
		1	50	1	49	21.86	0.1533	19.86	0.0968
		25	12	50	0	21.94	0.1562	19.94	0.0985
	256QAM DFT-s-OFDM	1	1	1	0	19.95	0.0989	17.95	0.0624
		1	50	1	49	20.10	0.1023	18.10	0.0646
		25	12	50	0	20.06	0.1014	18.06	0.064
Limit	EIRP < 2W					Result		PASS	

EN-DC n2 (ANT3)+5A (ANT1) Combination 5MHz+10MHz(LTE)(GT - LC = -2dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.79	0.3015	22.79	0.1903
		1	23	1	49	24.73	0.2974	22.73	0.1876
		12	6	50	0	24.70	0.2954	22.70	0.1864
	QPSK DFT-s-OFDM	1	1	1	0	24.68	0.294	22.68	0.1855
		1	23	1	49	24.71	0.2961	22.71	0.1868
		12	6	50	0	24.65	0.292	22.65	0.1842
	16QAM DFT-s-OFDM	1	1	1	0	23.29	0.2133	21.29	0.1346
		1	23	1	49	23.46	0.2217	21.46	0.1399
		12	6	50	0	23.40	0.2187	21.40	0.138
	64QAM DFT-s-OFDM	1	1	1	0	21.89	0.1544	19.89	0.0974
		1	23	1	49	21.76	0.1499	19.76	0.0946
		12	6	50	0	21.84	0.1527	19.84	0.0963
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.67	0.2933	22.67	0.1851
		1	23	1	49	24.76	0.2995	22.76	0.1889
		12	6	50	0	24.74	0.2981	22.74	0.1881
	QPSK DFT-s-OFDM	1	1	1	0	24.69	0.2947	22.69	0.186
		1	23	1	49	24.70	0.2954	22.70	0.1864
		12	6	50	0	24.78	0.3008	22.78	0.1898
	16QAM DFT-s-OFDM	1	1	1	0	23.41	0.2192	21.41	0.1383
		1	23	1	49	23.13	0.2056	21.13	0.1297
		12	6	50	0	23.32	0.2147	21.32	0.1355
	64QAM DFT-s-OFDM	1	1	1	0	21.89	0.1544	19.89	0.0974
		1	23	1	49	21.95	0.1565	19.95	0.0988
		12	6	50	0	21.88	0.154	19.88	0.0972
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.74	0.2981	22.74	0.1881
		1	23	1	49	24.76	0.2995	22.76	0.1889
		12	6	50	0	24.60	0.2887	22.60	0.1821
	QPSK DFT-s-OFDM	1	1	1	0	24.63	0.2907	22.63	0.1834
		1	23	1	49	24.64	0.2913	22.64	0.1838
		12	6	50	0	24.68	0.294	22.68	0.1855
	16QAM DFT-s-OFDM	1	1	1	0	23.24	0.2108	21.24	0.133
		1	23	1	49	23.39	0.2182	21.39	0.1377
		12	6	50	0	23.49	0.2233	21.49	0.1409
	64QAM DFT-s-OFDM	1	1	1	0	21.91	0.1551	19.91	0.0979
		1	23	1	49	21.87	0.1537	19.87	0.097
		12	6	50	0	21.93	0.1558	19.93	0.0983
256QAM DFT-s-OFDM	1	1	1	0	19.78	0.0951	17.78	0.06	
	1	23	1	49	20.17	0.104	18.17	0.0656	
	12	6	50	0	20.01	0.1003	18.01	0.0633	
Limit	EIRP < 2W					Result		PASS	

5G NR EN_DC_n5A-2A NSA mode:

EN-DC n5 (ANT1)+2A (ANT3)Combination 20MHz+20MHz(LTE)(GT - LC = -4dB)									
Channel	Mode	NR		LTE		Conducted		ERP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-	1	1	1	0	23.93	0.2469	17.78	0.0599
		1	104	1	99	23.58	0.2279	17.43	0.0553
		50	25	100	0	23.81	0.2402	17.66	0.0583
	QPSK DFT-s- OFDM	1	1	1	0	23.96	0.2486	17.81	0.0603
		1	104	1	99	23.50	0.2237	17.35	0.0543
		50	25	100	0	23.78	0.2386	17.63	0.0579
	16QAM DFT-s- OFDM	1	1	1	0	22.62	0.183	16.47	0.0444
		1	104	1	99	22.72	0.1872	16.57	0.0454
		50	25	100	0	22.26	0.1681	16.11	0.0408
	64QAM DFT-s- OFDM	1	1	1	0	21.52	0.142	15.37	0.0344
		1	104	1	99	21.31	0.1353	15.16	0.0328
		50	25	100	0	20.72	0.118	14.57	0.0286
	256QAM DFT-s- OFDM	1	1	1	0	19.29	0.085	13.14	0.0206
		1	104	1	99	19.32	0.0856	13.17	0.0208
		50	25	100	0	19.20	0.0831	13.05	0.0202
Middle	PI/2 BPSK DFT-s-	1	1	1	0	23.84	0.2419	17.69	0.0587
		1	104	1	99	23.49	0.2232	17.34	0.0542
		50	25	100	0	23.74	0.2364	17.59	0.0574
	QPSK DFT-s- OFDM	1	1	1	0	23.70	0.2343	17.55	0.0568
		1	104	1	99	23.38	0.2177	17.23	0.0528
		50	25	100	0	23.79	0.2391	17.64	0.058
	16QAM DFT-s- OFDM	1	1	1	0	22.86	0.1933	16.71	0.0469
		1	104	1	99	22.64	0.1838	16.49	0.0446
		50	25	100	0	22.55	0.1801	16.40	0.0437
	64QAM DFT-s- OFDM	1	1	1	0	21.25	0.1335	15.10	0.0324
		1	104	1	99	21.02	0.1263	14.87	0.0307
		50	25	100	0	21.08	0.1284	14.93	0.0311
	256QAM DFT-s- OFDM	1	1	1	0	19.49	0.0889	13.34	0.0216
		1	104	1	99	19.03	0.0799	12.88	0.0194
		50	25	100	0	19.21	0.0834	13.06	0.0202
	QPSK CP- OFDM	1	1	1	0	22.42	0.1744	16.27	0.0423
		1	104	1	99	21.98	0.1577	15.83	0.0383
		53	26	100	0	22.13	0.1632	15.98	0.0396
Highest	PI/2 BPSK DFT-s-	1	1	1	0	23.85	0.2424	17.70	0.0588
		1	104	1	99	23.47	0.2222	17.32	0.0539
		50	25	100	0	23.69	0.2337	17.54	0.0567
	QPSK DFT-s- OFDM	1	1	1	0	23.83	0.2413	17.68	0.0586
		1	104	1	99	23.28	0.2127	17.13	0.0516
		50	25	100	0	23.65	0.2316	17.50	0.0562
	16QAM DFT-s- OFDM	1	1	1	0	22.51	0.1784	16.36	0.0433
		1	104	1	99	21.35	0.1365	15.20	0.0331
		50	25	100	0	22.60	0.1822	16.45	0.0442
	64QAM DFT-s- OFDM	1	1	1	0	21.30	0.135	15.15	0.0328
		1	104	1	99	20.69	0.1172	14.54	0.0284
		50	25	100	0	21.01	0.1261	14.86	0.0306
	256QAM DFT-s- OFDM	1	1	1	0	19.09	0.0812	12.94	0.0197
		1	104	1	99	19.13	0.0818	12.98	0.0198
		50	25	100	0	19.20	0.0833	13.05	0.0202
Limit	ERP < 2W					Result		PASS	

EN-DC n5 (ANT1)+2A (ANT3)Combination 15MHz+20MHz(LTE)(GT - LC = -4dB)									
Channel	Mode	NR		LTE		Conducted		ERP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-	1	1	1	0	23.74	0.2364	17.59	0.0574
		1	77	1	99	23.63	0.2305	17.48	0.0559
		36	18	100	0	23.71	0.2348	17.56	0.057
	QPSK DFT-s- OFDM	1	1	1	0	23.79	0.2391	17.64	0.058
		1	77	1	99	23.60	0.2289	17.45	0.0556
		36	18	100	0	23.77	0.238	17.62	0.0578
	16QAM DFT-s- OFDM	1	1	1	0	22.87	0.1938	16.72	0.047
		1	77	1	99	22.62	0.183	16.47	0.0444
		36	18	100	0	22.76	0.189	16.61	0.0459
	64QAM DFT-s- OFDM	1	1	1	0	21.38	0.1375	15.23	0.0334
		1	77	1	99	21.63	0.1456	15.48	0.0353
		36	18	100	0	21.19	0.1317	15.04	0.0319
	256QAM DFT-s- OFDM	1	1	1	0	19.60	0.0912	13.45	0.0221
		1	77	1	99	19.58	0.0908	13.43	0.022
		36	18	100	0	19.22	0.0836	13.07	0.0203
Middle	PI/2 BPSK DFT-s-	1	1	1	0	23.65	0.2316	17.50	0.0562
		1	77	1	99	23.47	0.2222	17.32	0.0539
		36	18	100	0	23.62	0.2299	17.47	0.0558
	QPSK DFT-s- OFDM	1	1	1	0	23.71	0.2348	17.56	0.057
		1	77	1	99	23.56	0.2268	17.41	0.055
		36	18	100	0	23.70	0.2342	17.55	0.0568
	16QAM DFT-s- OFDM	1	1	1	0	22.60	0.1822	16.45	0.0442
		1	77	1	99	22.46	0.176	16.31	0.0427
		36	18	100	0	22.43	0.1748	16.28	0.0424
	64QAM DFT-s- OFDM	1	1	1	0	21.21	0.1323	15.06	0.0321
		1	77	1	99	21.70	0.1479	15.55	0.0359
		36	18	100	0	21.00	0.1258	14.85	0.0305
	256QAM DFT-s- OFDM	1	1	1	0	19.40	0.0871	13.25	0.0211
		1	77	1	99	19.17	0.0825	13.02	0.02
		36	18	100	0	19.13	0.0819	12.98	0.0199
	QPSK CP- OFDM	1	1	1	0	22.42	0.1744	16.27	0.0423
		1	77	1	99	22.22	0.1666	16.07	0.0404
		39	19	100	0	22.24	0.1674	16.09	0.0406
Highest	PI/2 BPSK DFT-s-	1	1	1	0	23.69	0.2337	17.54	0.0567
		1	77	1	99	23.48	0.2227	17.33	0.054
		36	18	100	0	23.52	0.2247	17.37	0.0545
	QPSK DFT-s- OFDM	1	1	1	0	23.70	0.2342	17.55	0.0568
		1	77	1	99	23.53	0.2253	17.38	0.0547
		36	18	100	0	23.56	0.2268	17.41	0.055
	16QAM DFT-s- OFDM	1	1	1	0	22.80	0.1907	16.65	0.0463
		1	77	1	99	22.47	0.1768	16.32	0.0429
		36	18	100	0	22.54	0.1797	16.39	0.0436
	64QAM DFT-s- OFDM	1	1	1	0	21.40	0.1381	15.25	0.0335
		1	77	1	99	21.51	0.1416	15.36	0.0344
		36	18	100	0	21.12	0.1296	14.97	0.0314
	256QAM DFT-s- OFDM	1	1	1	0	19.42	0.0875	13.27	0.0212
		1	77	1	99	19.30	0.0852	13.15	0.0207
		36	18	100	0	19.19	0.0831	13.04	0.0202
Limit	ERP < 2W					Result		PASS	

EN-DC n5 (ANT1)+2A (ANT3)Combination 10MHz+20MHz(LTE)(GT - LC = -4dB)									
Channel	Mode	NR		LTE		Conducted		ERP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-	1	1	1	0	23.65	0.2315	17.50	0.0562
		1	50	1	99	23.57	0.2274	17.42	0.0552
		25	12	100	0	23.63	0.2305	17.48	0.0559
	QPSK DFT-s- OFDM	1	1	1	0	23.66	0.2321	17.51	0.0563
		1	50	1	99	23.76	0.2375	17.61	0.0576
		25	12	100	0	23.62	0.23	17.47	0.0558
	16QAM DFT-s- OFDM	1	1	1	0	22.27	0.1685	16.12	0.0409
		1	50	1	99	21.45	0.1397	15.30	0.0339
		25	12	100	0	22.45	0.1756	16.30	0.0426
	64QAM DFT-s- OFDM	1	1	1	0	20.80	0.1202	14.65	0.0292
		1	50	1	99	19.58	0.0908	13.43	0.022
		25	12	100	0	20.76	0.1191	14.61	0.0289
	256QAM DFT-s- OFDM	1	1	1	0	19.38	0.0867	13.23	0.021
		1	50	1	99	18.25	0.0668	12.10	0.0162
		25	12	100	0	19.27	0.0846	13.12	0.0205
Middle	PI/2 BPSK DFT-s-	1	1	1	0	23.52	0.2247	17.37	0.0545
		1	50	1	99	23.44	0.2207	17.29	0.0535
		25	12	100	0	23.64	0.231	17.49	0.0561
	QPSK DFT-s- OFDM	1	1	1	0	23.46	0.2217	17.31	0.0538
		1	50	1	99	23.41	0.2191	17.26	0.0532
		25	12	100	0	23.58	0.2279	17.43	0.0553
	16QAM DFT-s- OFDM	1	1	1	0	22.54	0.1797	16.39	0.0436
		1	50	1	99	22.35	0.1716	16.20	0.0417
		25	12	100	0	22.55	0.1801	16.40	0.0437
	64QAM DFT-s- OFDM	1	1	1	0	21.07	0.1281	14.92	0.0311
		1	50	1	99	21.33	0.1359	15.18	0.033
		25	12	100	0	21.06	0.1278	14.91	0.031
	256QAM DFT-s- OFDM	1	1	1	0	19.31	0.0854	13.16	0.0207
		1	50	1	99	19.10	0.0812	12.95	0.0197
		25	12	100	0	19.11	0.0814	12.96	0.0197
	QPSK CP- OFDM	1	1	1	0	22.32	0.1705	16.17	0.0414
		1	50	1	99	22.17	0.1647	16.02	0.04
		26	13	100	0	22.21	0.1662	16.06	0.0403
Highest	PI/2 BPSK DFT-s-	1	1	1	0	23.45	0.2212	17.30	0.0537
		1	50	1	99	23.37	0.2171	17.22	0.0527
		25	12	100	0	23.40	0.2186	17.25	0.0531
	QPSK DFT-s- OFDM	1	1	1	0	23.34	0.2157	17.19	0.0523
		1	50	1	99	23.39	0.2181	17.24	0.0529
		25	12	100	0	23.43	0.2202	17.28	0.0534
	16QAM DFT-s- OFDM	1	1	1	0	22.61	0.1826	16.46	0.0443
		1	50	1	99	22.43	0.1748	16.28	0.0424
		25	12	100	0	22.51	0.1781	16.36	0.0432
	64QAM DFT-s- OFDM	1	1	1	0	20.94	0.1241	14.79	0.0301
		1	50	1	99	21.08	0.1281	14.93	0.0311
		25	12	100	0	21.02	0.1263	14.87	0.0307
	256QAM DFT-s- OFDM	1	1	1	0	19.38	0.0867	13.23	0.021
		1	50	1	99	19.15	0.0823	13.00	0.02
		25	12	100	0	18.91	0.0778	12.76	0.0189
Limit	ERP < 2W					Result		PASS	

EN-DC n5 (ANT1)+2A (ANT3)Combination 5MHz+20MHz(LTE)(GT - LC = -4dB)									
Channel	Mode	NR		LTE		Conducted		ERP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-	1	1	1	0	23.90	0.2453	17.75	0.0595
		1	23	1	99	23.69	0.2337	17.54	0.0567
		12	6	100	0	23.70	0.2342	17.55	0.0568
	QPSK DFT-s- OFDM	1	1	1	0	23.87	0.2436	17.72	0.0591
		1	23	1	99	23.59	0.2284	17.44	0.0554
		12	6	100	0	23.69	0.2337	17.54	0.0567
	16QAM DFT-s- OFDM	1	1	1	0	22.89	0.1947	16.74	0.0472
		1	23	1	99	22.26	0.1681	16.11	0.0408
		12	6	100	0	22.73	0.1877	16.58	0.0455
	64QAM DFT-s- OFDM	1	1	1	0	21.38	0.1375	15.23	0.0334
		1	23	1	99	21.02	0.1263	14.87	0.0307
		12	6	100	0	21.45	0.1397	15.30	0.0339
	256QAM DFT-s- OFDM	1	1	1	0	19.01	0.0797	12.86	0.0193
		1	23	1	99	19.00	0.0794	12.85	0.0193
		12	6	100	0	19.23	0.0838	13.08	0.0203
Middle	PI/2 BPSK DFT-s-	1	1	1	0	23.69	0.2337	17.54	0.0567
		1	23	1	99	23.50	0.2238	17.35	0.0543
		12	6	100	0	23.55	0.2263	17.40	0.0549
	QPSK DFT-s- OFDM	1	1	1	0	23.61	0.2295	17.46	0.0557
		1	23	1	99	23.53	0.2253	17.38	0.0547
		12	6	100	0	23.58	0.2279	17.43	0.0553
	16QAM DFT-s- OFDM	1	1	1	0	22.66	0.1847	16.51	0.0448
		1	23	1	99	22.71	0.1868	16.56	0.0453
		12	6	100	0	22.73	0.1877	16.58	0.0455
	64QAM DFT-s- OFDM	1	1	1	0	21.42	0.1388	15.27	0.0337
		1	23	1	99	21.29	0.1347	15.14	0.0327
		12	6	100	0	21.19	0.1316	15.04	0.0319
	256QAM DFT-s- OFDM	1	1	1	0	19.38	0.0868	13.23	0.0211
		1	23	1	99	19.24	0.084	13.09	0.0204
		12	6	100	0	19.08	0.0808	12.93	0.0196
QPSK CP- OFDM	1	1	1	0	22.66	0.1847	16.51	0.0448	
	1	23	1	99	22.07	0.161	15.92	0.0391	
	13	6	100	0	22.10	0.1621	15.95	0.0393	
Highest	PI/2 BPSK DFT-s-	1	1	1	0	23.54	0.2258	17.39	0.0548
		1	23	1	99	23.48	0.2227	17.33	0.054
		12	6	100	0	23.41	0.2192	17.26	0.0532
	QPSK DFT-s- OFDM	1	1	1	0	23.53	0.2253	17.38	0.0547
		1	23	1	99	23.39	0.2182	17.24	0.0529
		12	6	100	0	23.42	0.2197	17.27	0.0533
	16QAM DFT-s- OFDM	1	1	1	0	22.57	0.1809	16.42	0.0439
		1	23	1	99	22.47	0.1764	16.32	0.0428
		12	6	100	0	22.40	0.1736	16.25	0.0421
	64QAM DFT-s- OFDM	1	1	1	0	21.18	0.1311	15.03	0.0318
		1	23	1	99	20.99	0.1255	14.84	0.0305
		12	6	100	0	20.90	0.1229	14.75	0.0298
	256QAM DFT-s- OFDM	1	1	1	0	19.15	0.0821	13.00	0.0199
		1	23	1	99	18.95	0.0785	12.80	0.019
		12	6	100	0	18.85	0.0767	12.70	0.0186
Limit	ERP < 2W					Result		PASS	

5G NR EN_DC_n25A-12A NSA mode:

EN-DC n25 (ANT3)+12A (ANT1)Combination 20MHz+10MHz(LTE)(GT - LC = -2dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.66	0.2927	22.66	0.1847
		1	104	1	49	24.56	0.2861	22.56	0.1805
		50	25	50	0	24.67	0.2933	22.67	0.1851
	QPSK DFT-s-OFDM	1	1	1	0	24.63	0.2907	22.63	0.1834
		1	104	1	49	24.70	0.2954	22.70	0.1864
		50	25	50	0	24.58	0.2873	22.58	0.1813
	16QAM DFT-s-OFDM	1	1	1	0	23.31	0.2142	21.31	0.1352
		1	104	1	49	23.69	0.2337	21.69	0.1475
		50	25	50	0	23.46	0.2217	21.46	0.1399
	64QAM DFT-s-OFDM	1	1	1	0	21.90	0.1548	19.90	0.0977
		1	104	1	49	21.99	0.158	19.99	0.0997
		50	25	50	0	22.10	0.1623	20.10	0.1024
	256QAM DFT-s-OFDM	1	1	1	0	20.22	0.1052	18.22	0.0663
		1	104	1	49	20.11	0.1025	18.11	0.0647
		50	25	50	0	20.02	0.1005	18.02	0.0634
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.68	0.294	22.68	0.1855
		1	104	1	49	24.72	0.2968	22.72	0.1872
		50	25	50	0	24.73	0.2974	22.73	0.1877
	QPSK DFT-s-OFDM	1	1	1	0	24.53	0.2841	22.53	0.1792
		1	104	1	49	24.67	0.2934	22.67	0.1851
		50	25	50	0	24.69	0.2947	22.69	0.186
	16QAM DFT-s-OFDM	1	1	1	0	23.48	0.2227	21.48	0.1405
		1	104	1	49	23.55	0.2263	21.55	0.1428
		50	25	50	0	23.51	0.2243	21.51	0.1415
	64QAM DFT-s-OFDM	1	1	1	0	21.90	0.1547	19.90	0.0976
		1	104	1	49	21.80	0.1512	19.80	0.0954
		50	25	50	0	22.08	0.1616	20.08	0.102
	256QAM DFT-s-OFDM	1	1	1	0	19.97	0.0993	17.97	0.0627
		1	104	1	49	20.16	0.1037	18.16	0.0654
		50	25	50	0	20.08	0.1019	18.08	0.0643
QPSK CP-OFDM	1	1	1	0	22.96	0.1977	20.96	0.1247	
	1	104	1	49	22.99	0.1991	20.99	0.1256	
	53	26	50	0	23.00	0.1995	21.00	0.1259	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.80	0.3023	22.80	0.1907
		1	104	1	49	24.24	0.2652	22.24	0.1673
		50	25	50	0	24.76	0.2995	22.76	0.189
	QPSK DFT-s-OFDM	1	1	1	0	24.52	0.2834	22.52	0.1788
		1	104	1	49	23.30	0.2137	21.30	0.1349
		50	25	50	0	24.74	0.2981	22.74	0.1881
	16QAM DFT-s-OFDM	1	1	1	0	23.38	0.2177	21.38	0.1374
		1	104	1	49	23.23	0.2104	21.23	0.1327
		50	25	50	0	23.44	0.2207	21.44	0.1393
	64QAM DFT-s-OFDM	1	1	1	0	22.11	0.1627	20.11	0.1027
		1	104	1	49	21.71	0.1481	19.71	0.0935
		50	25	50	0	22.04	0.1598	20.04	0.1008
	256QAM DFT-s-OFDM	1	1	1	0	20.02	0.1005	18.02	0.0634
		1	104	1	49	19.90	0.0977	17.90	0.0617
		50	25	50	0	20.05	0.1012	18.05	0.0638
Limit	EIRP < 2W					Result		PASS	

EN-DC n25 (ANT3)+12A (ANT1)Combination 15MHz+10MHz(LTE)(GT - LC = -2dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.59	0.288	22.59	0.1817
		1	77	1	49	24.68	0.294	22.68	0.1855
		36	18	50	0	24.70	0.2954	22.70	0.1864
	QPSK DFT-s-OFDM	1	1	1	0	24.67	0.2933	22.67	0.1851
		1	77	1	49	24.65	0.292	22.65	0.1842
		36	18	50	0	24.72	0.2968	22.72	0.1872
	16QAM DFT-s-OFDM	1	1	1	0	23.50	0.2238	21.50	0.1412
		1	77	1	49	23.25	0.2113	21.25	0.1333
		36	18	50	0	23.42	0.2197	21.42	0.1386
	64QAM DFT-s-OFDM	1	1	1	0	21.91	0.1551	19.91	0.0979
		1	77	1	49	21.80	0.1512	19.80	0.0954
		36	18	50	0	22.06	0.1605	20.06	0.1013
	256QAM DFT-s-OFDM	1	1	1	0	20.18	0.1042	18.18	0.0657
		1	77	1	49	20.08	0.1019	18.08	0.0643
		36	18	50	0	20.11	0.1025	18.11	0.0647
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.76	0.2995	22.76	0.189
		1	77	1	49	24.79	0.3016	22.79	0.1903
		36	18	50	0	24.77	0.3002	22.77	0.1894
	QPSK DFT-s-OFDM	1	1	1	0	24.77	0.3002	22.77	0.1894
		1	77	1	49	24.75	0.2988	22.75	0.1885
		36	18	50	0	24.70	0.2954	22.70	0.1864
	16QAM DFT-s-OFDM	1	1	1	0	23.31	0.2142	21.31	0.1352
		1	77	1	49	23.66	0.2321	21.66	0.1464
		36	18	50	0	23.51	0.2243	21.51	0.1415
	64QAM DFT-s-OFDM	1	1	1	0	22.15	0.1642	20.15	0.1036
		1	77	1	49	21.76	0.1499	19.76	0.0946
		36	18	50	0	22.10	0.162	20.10	0.1022
	256QAM DFT-s-OFDM	1	1	1	0	20.19	0.1044	18.19	0.0659
		1	77	1	49	19.99	0.0998	17.99	0.063
		36	18	50	0	20.09	0.1021	18.09	0.0644
	QPSK CP-OFDM	1	1	1	0	22.79	0.1901	20.79	0.12
		1	77	1	49	22.83	0.1919	20.83	0.1211
		39	19	50	0	23.09	0.2037	21.09	0.1285
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.41	0.2758	22.41	0.174
		1	77	1	49	24.65	0.292	22.65	0.1842
		36	18	50	0	24.74	0.2981	22.74	0.1881
	QPSK DFT-s-OFDM	1	1	1	0	23.71	0.2348	21.71	0.1482
		1	77	1	49	24.45	0.2789	22.45	0.176
		36	18	50	0	24.62	0.29	22.62	0.183
	16QAM DFT-s-OFDM	1	1	1	0	23.60	0.2289	21.60	0.1445
		1	77	1	49	23.19	0.2084	21.19	0.1315
		36	18	50	0	23.51	0.2243	21.51	0.1415
	64QAM DFT-s-OFDM	1	1	1	0	22.00	0.1587	20.00	0.1001
		1	77	1	49	21.80	0.1512	19.80	0.0954
		36	18	50	0	22.06	0.1605	20.06	0.1013
	256QAM DFT-s-OFDM	1	1	1	0	20.06	0.1014	18.06	0.064
		1	77	1	49	20.21	0.1049	18.21	0.0662
		36	18	50	0	20.05	0.1012	18.05	0.0638
Limit	EIRP < 2W					Result		PASS	

EN-DC n25 (ANT3)+12A (ANT1)Combination 10MHz+10MHz(LTE)(GT - LC = -2dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.71	0.296	22.71	0.1868
		1	50	1	49	24.60	0.2887	22.60	0.1821
		25	12	50	0	24.68	0.294	22.68	0.1855
	QPSK DFT-s-OFDM	1	1	1	0	24.68	0.294	22.68	0.1855
		1	50	1	49	24.61	0.2893	22.61	0.1825
		25	12	50	0	24.70	0.2954	22.70	0.1864
	16QAM DFT-s-OFDM	1	1	1	0	23.67	0.2327	21.67	0.1468
		1	104	1	49	23.66	0.2321	21.66	0.1465
		50	25	50	0	23.44	0.2207	21.44	0.1393
	64QAM DFT-s-OFDM	1	1	1	0	22.04	0.1598	20.04	0.1008
		1	104	1	49	21.78	0.1505	19.78	0.095
		50	25	50	0	22.04	0.1601	20.04	0.101
	256QAM DFT-s-OFDM	1	1	1	0	20.19	0.1045	18.19	0.0659
		1	104	1	49	20.26	0.1061	18.26	0.067
		50	25	50	0	20.06	0.1014	18.06	0.064
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.59	0.288	22.59	0.1817
		1	50	1	49	24.68	0.294	22.68	0.1855
		25	12	50	0	24.67	0.2934	22.67	0.1851
	QPSK DFT-s-OFDM	1	1	1	0	24.28	0.2682	22.28	0.1692
		1	50	1	49	24.35	0.2726	22.35	0.172
		25	12	50	0	24.64	0.2913	22.64	0.1838
	16QAM DFT-s-OFDM	1	1	1	0	23.66	0.2321	21.66	0.1465
		1	50	1	49	23.67	0.2326	21.67	0.1468
		25	12	50	0	23.42	0.2197	21.42	0.1386
	64QAM DFT-s-OFDM	1	1	1	0	21.88	0.154	19.88	0.0972
		1	50	1	49	21.87	0.1537	19.87	0.097
		25	12	50	0	22.11	0.1627	20.11	0.1027
	256QAM DFT-s-OFDM	1	1	1	0	20.12	0.1028	18.12	0.0649
		1	50	1	49	19.85	0.0966	17.85	0.061
		25	12	50	0	20.10	0.1023	18.10	0.0645
	QPSK CP-OFDM	1	1	1	0	22.79	0.1902	20.79	0.12
		1	50	1	49	22.90	0.195	20.90	0.1231
		26	13	50	0	22.86	0.1932	20.86	0.1219
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.40	0.2752	22.40	0.1737
		1	50	1	49	24.29	0.2682	22.29	0.1692
		25	12	50	0	24.74	0.2981	22.74	0.1881
	QPSK DFT-s-OFDM	1	1	1	0	24.41	0.2764	22.41	0.1744
		1	50	1	49	23.55	0.2264	21.55	0.1428
		25	12	50	0	24.49	0.2815	22.49	0.1776
	16QAM DFT-s-OFDM	1	1	1	0	23.45	0.2212	21.45	0.1396
		1	104	1	49	23.13	0.2056	21.13	0.1297
		50	25	50	0	23.45	0.2212	21.45	0.1396
	64QAM DFT-s-OFDM	1	1	1	0	22.20	0.1661	20.20	0.1048
		1	104	1	49	22.08	0.1613	20.08	0.1017
		50	25	50	0	22.07	0.1609	20.07	0.1015
	256QAM DFT-s-OFDM	1	1	1	0	20.18	0.1042	18.18	0.0657
		1	104	1	49	20.26	0.1061	18.26	0.067
		50	25	50	0	20.15	0.1035	18.15	0.0653
Limit	EIRP < 2W					Result		PASS	

EN-DC n25 (ANT3)+12A (ANT1)Combination 5MHz+10MHz(LTE)(GT - LC = -2dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.65	0.292	22.65	0.1843
		1	23	1	49	24.62	0.29	22.62	0.183
		12	6	50	0	24.57	0.2867	22.57	0.1809
	QPSK DFT-s-OFDM	1	1	1	0	24.51	0.2828	22.51	0.1784
		1	23	1	49	24.64	0.2913	22.64	0.1838
		12	6	50	0	24.60	0.2887	22.60	0.1821
	16QAM DFT-s-OFDM	1	1	1	0	23.64	0.2311	21.64	0.1458
		1	23	1	49	23.69	0.2338	21.69	0.1475
		12	6	50	0	23.46	0.2217	21.46	0.1399
	64QAM DFT-s-OFDM	1	1	1	0	22.16	0.1646	20.16	0.1039
		1	23	1	49	22.00	0.1587	20.00	0.1001
		12	6	50	0	22.09	0.162	20.09	0.1022
	256QAM DFT-s-OFDM	1	1	1	0	20.08	0.1018	18.08	0.0642
		1	23	1	49	20.08	0.1018	18.08	0.0643
		12	6	50	0	20.11	0.1025	18.11	0.0647
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.73	0.2974	22.73	0.1877
		1	23	1	49	24.73	0.2974	22.73	0.1877
		12	6	50	0	24.75	0.2988	22.75	0.1885
	QPSK DFT-s-OFDM	1	1	1	0	24.57	0.2867	22.57	0.1809
		1	23	1	49	24.64	0.2913	22.64	0.1838
		12	6	50	0	24.73	0.2974	22.73	0.1877
	16QAM DFT-s-OFDM	1	1	1	0	23.41	0.2192	21.41	0.1383
		1	23	1	49	23.45	0.2212	21.45	0.1396
		12	6	50	0	23.47	0.2222	21.47	0.1402
	64QAM DFT-s-OFDM	1	1	1	0	22.00	0.1587	20.00	0.1001
		1	23	1	49	21.70	0.1478	19.70	0.0933
		12	6	50	0	22.05	0.1602	20.05	0.1011
	256QAM DFT-s-OFDM	1	1	1	0	19.87	0.0971	17.87	0.0613
		1	23	1	49	20.09	0.1021	18.09	0.0644
		12	6	50	0	20.01	0.1002	18.01	0.0632
QPSK CP-OFDM	1	1	1	0	22.84	0.1923	20.84	0.1214	
	1	23	1	49	22.98	0.1986	20.98	0.1253	
	13	6	50	0	22.83	0.1919	20.83	0.1211	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.73	0.2974	22.73	0.1877
		1	23	1	49	24.66	0.2927	22.66	0.1847
		12	6	50	0	24.75	0.2988	22.75	0.1885
	QPSK DFT-s-OFDM	1	1	1	0	24.37	0.2738	22.37	0.1728
		1	23	1	49	23.64	0.2311	21.64	0.1458
		12	6	50	0	24.03	0.2527	22.03	0.1594
	16QAM DFT-s-OFDM	1	1	1	0	23.60	0.229	21.60	0.1445
		1	23	1	49	23.18	0.2079	21.18	0.1312
		12	6	50	0	23.50	0.2238	21.50	0.1412
	64QAM DFT-s-OFDM	1	1	1	0	22.18	0.1654	20.18	0.1043
		1	23	1	49	21.77	0.1502	19.77	0.0948
		12	6	50	0	22.08	0.1616	20.08	0.102
	256QAM DFT-s-OFDM	1	1	1	0	20.24	0.1056	18.24	0.0666
		1	23	1	49	20.16	0.1037	18.16	0.0655
		12	6	50	0	20.00	0.1	18.00	0.0631
Limit	EIRP < 2W					Result		PASS	

5G NR EN_DC_n66A-2A NSA mode:

EN-DC n66 (ANT0)+2A (ANT2&ANT3)Combination 20MHz+20MHz(LTE)(GT - LC = -3dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-	1	1	1	0	24.23	0.2647	21.23	0.1327
		1	104	1	99	24.20	0.2628	21.20	0.1317
		50	25	100	0	24.33	0.2708	21.33	0.1357
	QPSK DFT-s- OFDM	1	1	1	0	24.14	0.2593	21.14	0.1299
		1	104	1	99	24.16	0.2605	21.16	0.1305
		50	25	100	0	24.04	0.2534	21.04	0.127
	16QAM DFT-s- OFDM	1	1	1	0	22.91	0.1956	19.91	0.098
		1	104	1	99	22.74	0.1877	19.74	0.0941
		50	25	100	0	22.98	0.1988	19.98	0.0996
	64QAM DFT-s- OFDM	1	1	1	0	21.64	0.146	18.64	0.0732
		1	104	1	99	21.55	0.143	18.55	0.0717
		50	25	100	0	21.59	0.1443	18.59	0.0723
	256QAM DFT-s- OFDM	1	1	1	0	19.93	0.0984	16.93	0.0493
		1	104	1	99	20.01	0.1001	17.01	0.0502
		50	25	100	0	19.99	0.0997	16.99	0.05
Middle	PI/2 BPSK DFT-s-	1	1	1	0	24.80	0.3017	21.80	0.1512
		1	104	1	99	24.51	0.2823	21.51	0.1415
		50	25	100	0	24.70	0.2948	21.70	0.1478
	QPSK DFT-s- OFDM	1	1	1	0	24.03	0.2528	21.03	0.1267
		1	104	1	99	24.05	0.254	21.05	0.1273
		50	25	100	0	24.49	0.281	21.49	0.1408
	16QAM DFT-s- OFDM	1	1	1	0	23.56	0.227	20.56	0.1138
		1	104	1	99	23.51	0.2244	20.51	0.1125
		50	25	100	0	23.73	0.236	20.73	0.1183
	64QAM DFT-s- OFDM	1	1	1	0	22.27	0.1686	19.27	0.0845
		1	104	1	99	22.15	0.164	19.15	0.0822
		50	25	100	0	22.24	0.1674	19.24	0.0839
	256QAM DFT-s- OFDM	1	1	1	0	20.31	0.1075	17.31	0.0539
		1	104	1	99	20.40	0.1097	17.40	0.055
		50	25	100	0	20.26	0.1063	17.26	0.0533
	QPSK CP- OFDM	1	1	1	0	23.18	0.2081	20.18	0.1043
		1	104	1	99	22.60	0.1818	19.60	0.0911
		53	26	100	0	23.16	0.2071	20.16	0.1038
Highest	PI/2 BPSK DFT-s-	1	1	1	0	24.35	0.2721	21.35	0.1364
		1	104	1	99	24.21	0.2635	21.21	0.1321
		50	25	100	0	24.67	0.2928	21.67	0.1467
	QPSK DFT-s- OFDM	1	1	1	0	23.74	0.2366	20.74	0.1186
		1	104	1	99	23.76	0.2377	20.76	0.1191
		50	25	100	0	23.94	0.2477	20.94	0.1241
	16QAM DFT-s- OFDM	1	1	1	0	23.45	0.2214	20.45	0.1109
		1	104	1	99	23.28	0.2129	20.28	0.1067
		50	25	100	0	23.76	0.2376	20.76	0.1191
	64QAM DFT-s- OFDM	1	1	1	0	21.26	0.1335	18.26	0.0669
		1	104	1	99	21.74	0.1493	18.74	0.0748
		50	25	100	0	22.25	0.1678	19.25	0.0841
	256QAM DFT-s- OFDM	1	1	1	0	19.91	0.0979	16.91	0.0491
		1	104	1	99	20.07	0.1015	17.07	0.0509
		50	25	100	0	20.29	0.107	17.29	0.0536
Limit	EIRP < 2W					Result		PASS	

EN-DC n66 (ANT0)+2A (ANT2&ANT3)Combination 15MHz+20MHz(LTE)(GT - LC = -3dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-	1	1	1	0	24.41	0.2758	21.41	0.1382
		1	77	1	99	24.15	0.2599	21.15	0.1302
		36	18	100	0	24.48	0.2803	21.48	0.1405
	QPSK DFT-s- OFDM	1	1	1	0	23.51	0.2243	20.51	0.1124
		1	77	1	99	23.08	0.2033	20.08	0.1019
		36	18	100	0	23.45	0.2212	20.45	0.1109
	16QAM DFT-s- OFDM	1	1	1	0	23.76	0.2377	20.76	0.1191
		1	77	1	99	23.62	0.2302	20.62	0.1154
		36	18	100	0	23.77	0.2382	20.77	0.1194
	64QAM DFT-s- OFDM	1	1	1	0	22.22	0.1666	19.22	0.0835
		1	77	1	99	22.13	0.1632	19.13	0.0818
		36	18	100	0	22.26	0.1682	19.26	0.0843
	256QAM DFT-s- OFDM	1	1	1	0	20.30	0.1072	17.30	0.0537
		1	77	1	99	20.25	0.106	17.25	0.0531
		36	18	100	0	20.28	0.1068	17.28	0.0535
Middle	PI/2 BPSK DFT-s-	1	1	1	0	24.76	0.2995	21.76	0.1501
		1	77	1	99	24.76	0.2995	21.76	0.1501
		36	18	100	0	24.75	0.2988	21.75	0.1498
	QPSK DFT-s- OFDM	1	1	1	0	24.64	0.2914	21.64	0.146
		1	77	1	99	23.89	0.2448	20.89	0.1227
		36	18	100	0	24.65	0.292	21.65	0.1464
	16QAM DFT-s- OFDM	1	1	1	0	23.85	0.2426	20.85	0.1216
		1	77	1	99	23.49	0.2234	20.49	0.112
		36	18	100	0	23.70	0.2344	20.70	0.1175
	64QAM DFT-s- OFDM	1	1	1	0	22.16	0.1644	19.16	0.0824
		1	77	1	99	22.21	0.1663	19.21	0.0833
		36	18	100	0	22.30	0.1697	19.30	0.0851
	256QAM DFT-s- OFDM	1	1	1	0	20.45	0.111	17.45	0.0556
		1	77	1	99	20.38	0.1092	17.38	0.0547
		36	18	100	0	20.24	0.1058	17.24	0.053
QPSK CP- OFDM	1	1	1	0	23.04	0.2015	20.04	0.101	
	1	77	1	99	22.70	0.1864	19.70	0.0934	
	39	19	100	0	23.11	0.2048	20.11	0.1026	
Highest	PI/2 BPSK DFT-s-	1	1	1	0	24.66	0.2927	21.66	0.1467
		1	77	1	99	24.28	0.2677	21.28	0.1341
		36	18	100	0	24.65	0.292	21.65	0.1464
	QPSK DFT-s- OFDM	1	1	1	0	23.68	0.2333	20.68	0.1169
		1	77	1	99	23.34	0.2158	20.34	0.1081
		36	18	100	0	23.84	0.242	20.84	0.1213
	16QAM DFT-s- OFDM	1	1	1	0	23.49	0.2234	20.49	0.112
		1	77	1	99	23.64	0.2312	20.64	0.1159
		36	18	100	0	23.80	0.2399	20.80	0.1202
	64QAM DFT-s- OFDM	1	1	1	0	22.30	0.1697	19.30	0.0851
		1	77	1	99	22.19	0.1655	19.19	0.083
		36	18	100	0	22.23	0.167	19.23	0.0837
	256QAM DFT-s- OFDM	1	1	1	0	20.46	0.1112	17.46	0.0557
		1	77	1	99	20.36	0.1087	17.36	0.0545
		36	18	100	0	20.27	0.1065	17.27	0.0534
Limit	EIRP < 2W					Result		PASS	

EN-DC n66 (ANT0)+2A (ANT2&ANT3)Combination 10MHz+20MHz(LTE)(GT - LC = -3dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-	1	1	1	0	24.36	0.2726	21.36	0.1366
		1	50	1	99	23.90	0.2453	20.90	0.1229
		25	12	100	0	24.55	0.2854	21.55	0.143
	QPSK DFT-s- OFDM	1	1	1	0	23.19	0.2085	20.19	0.1045
		1	50	1	99	22.84	0.1924	19.84	0.0964
		25	12	100	0	23.73	0.2359	20.73	0.1182
	16QAM DFT-s- OFDM	1	1	1	0	23.64	0.2312	20.64	0.1159
		1	50	1	99	23.58	0.2281	20.58	0.1143
		25	12	100	0	23.78	0.2388	20.78	0.1197
	64QAM DFT-s- OFDM	1	1	1	0	22.13	0.1633	19.13	0.0818
		1	50	1	99	22.14	0.1636	19.14	0.082
		25	12	100	0	22.24	0.1674	19.24	0.0839
	256QAM DFT-s- OFDM	1	1	1	0	20.33	0.108	17.33	0.0541
		1	50	1	99	20.37	0.109	17.37	0.0546
		25	12	100	0	20.32	0.1077	17.32	0.054
Middle	PI/2 BPSK DFT-s-	1	1	1	0	24.72	0.2968	21.72	0.1487
		1	50	1	99	24.68	0.2941	21.68	0.1474
		25	12	100	0	24.76	0.2995	21.76	0.1501
	QPSK DFT-s- OFDM	1	1	1	0	24.42	0.277	21.42	0.1388
		1	50	1	99	23.53	0.2254	20.53	0.1129
		25	12	100	0	24.78	0.3009	21.78	0.1508
	16QAM DFT-s- OFDM	1	1	1	0	23.65	0.2317	20.65	0.1161
		1	50	1	99	23.57	0.2275	20.57	0.114
		25	12	100	0	23.70	0.2344	20.70	0.1175
	64QAM DFT-s- OFDM	1	1	1	0	22.18	0.1651	19.18	0.0828
		1	50	1	99	22.18	0.1651	19.18	0.0828
		25	12	100	0	22.29	0.1693	19.29	0.0849
	256QAM DFT-s- OFDM	1	1	1	0	20.22	0.1053	17.22	0.0528
		1	50	1	99	20.36	0.1087	17.36	0.0545
		25	12	100	0	20.32	0.1077	17.32	0.054
	QPSK CP- OFDM	1	1	1	0	23.16	0.2071	20.16	0.1038
		1	50	1	99	22.55	0.1797	19.55	0.0901
		26	13	100	0	23.23	0.2105	20.23	0.1055
Highest	PI/2 BPSK DFT-s-	1	1	1	0	24.76	0.2995	21.76	0.1501
		1	50	1	99	23.88	0.2442	20.88	0.1224
		25	12	100	0	24.74	0.2975	21.74	0.1491
	QPSK DFT-s- OFDM	1	1	1	0	24.14	0.2593	21.14	0.1299
		1	50	1	99	22.75	0.1885	19.75	0.0945
		25	12	100	0	23.75	0.237	20.75	0.1188
	16QAM DFT-s- OFDM	1	1	1	0	23.58	0.2281	20.58	0.1143
		1	50	1	99	23.61	0.2296	20.61	0.1151
		25	12	100	0	23.71	0.235	20.71	0.1178
	64QAM DFT-s- OFDM	1	1	1	0	22.21	0.1663	19.21	0.0833
		1	50	1	99	22.14	0.1636	19.14	0.082
		25	12	100	0	22.25	0.1678	19.25	0.0841
	256QAM DFT-s- OFDM	1	1	1	0	20.46	0.1112	17.46	0.0558
		1	50	1	99	20.28	0.1067	17.28	0.0535
		25	12	100	0	20.27	0.1065	17.27	0.0534
Limit	EIRP < 2W					Result		PASS	

EN-DC n66 (ANT0)+2A (ANT2&ANT3)Combination 5MHz+20MHz(LTE)(GT - LC = -3dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-	1	1	1	0	24.49	0.2809	21.49	0.1408
		1	23	1	99	24.38	0.2739	21.38	0.1373
		12	6	100	0	24.44	0.2777	21.44	0.1392
	QPSK DFT-s-OFDM	1	1	1	0	23.46	0.2218	20.46	0.1112
		1	23	1	99	23.63	0.2307	20.63	0.1156
		12	6	100	0	23.66	0.2322	20.66	0.1164
	16QAM DFT-s-OFDM	1	1	1	0	23.75	0.2371	20.75	0.1188
		1	23	1	99	23.69	0.2339	20.69	0.1172
		12	6	100	0	23.78	0.2387	20.78	0.1197
	64QAM DFT-s-OFDM	1	1	1	0	22.17	0.1647	19.17	0.0826
		1	23	1	99	22.27	0.1686	19.27	0.0845
		12	6	100	0	22.27	0.1686	19.27	0.0845
	256QAM DFT-s-OFDM	1	1	1	0	20.31	0.1075	17.31	0.0539
		1	23	1	99	20.43	0.1105	17.43	0.0554
		12	6	100	0	20.22	0.1053	17.22	0.0528
Middle	PI/2 BPSK DFT-s-	1	1	1	0	24.75	0.2982	21.75	0.1495
		1	23	1	99	24.70	0.2948	21.70	0.1478
		12	6	100	0	24.79	0.3016	21.79	0.1512
	QPSK DFT-s-OFDM	1	1	1	0	24.56	0.2861	21.56	0.1434
		1	23	1	99	24.12	0.258	21.12	0.1293
		12	6	100	0	24.78	0.3003	21.78	0.1505
	16QAM DFT-s-OFDM	1	1	1	0	23.63	0.2307	20.63	0.1156
		1	23	1	99	23.52	0.2249	20.52	0.1127
		12	6	100	0	23.79	0.2393	20.79	0.1199
	64QAM DFT-s-OFDM	1	1	1	0	22.23	0.167	19.23	0.0837
		1	23	1	99	22.22	0.1667	19.22	0.0835
		12	6	100	0	22.22	0.1666	19.22	0.0835
	256QAM DFT-s-OFDM	1	1	1	0	20.39	0.1095	17.39	0.0549
		1	23	1	99	20.25	0.106	17.25	0.0531
		12	6	100	0	20.22	0.1053	17.22	0.0528
QPSK CP-OFDM	1	1	1	0	23.19	0.2085	20.19	0.1045	
	1	23	1	99	22.72	0.1869	19.72	0.0937	
	13	6	100	0	23.18	0.2081	20.18	0.1043	
Highest	PI/2 BPSK DFT-s-	1	1	1	0	24.54	0.2848	21.54	0.1427
		1	23	1	99	23.99	0.2504	20.99	0.1255
		12	6	100	0	24.26	0.2665	21.26	0.1336
	QPSK DFT-s-OFDM	1	1	1	0	23.57	0.2274	20.57	0.114
		1	23	1	99	23.36	0.2168	20.36	0.1087
		12	6	100	0	23.25	0.2113	20.25	0.1059
	16QAM DFT-s-OFDM	1	1	1	0	23.72	0.2355	20.72	0.118
		1	23	1	99	23.65	0.2317	20.65	0.1161
		12	6	100	0	23.80	0.2398	20.80	0.1202
	64QAM DFT-s-OFDM	1	1	1	0	22.25	0.1678	19.25	0.0841
		1	23	1	99	22.25	0.1678	19.25	0.0841
		12	6	100	0	22.26	0.1682	19.26	0.0843
	256QAM DFT-s-OFDM	1	1	1	0	20.46	0.1112	17.46	0.0557
		1	23	1	99	20.35	0.1085	17.35	0.0544
		12	6	100	0	20.32	0.1077	17.32	0.054
Limit	EIRP < 2W					Result		PASS	

5G NR n2_SA mode:

SA n2 (ANT3) 20MHz (GT - LC = -2 dB)								
Channel	Mode	NR		Conducted		EIRP		
		RB						
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)	
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.69	0.2944	22.69	0.1858	
		1	104	24.68	0.2938	22.68	0.1854	
		50	25	24.75	0.2985	22.75	0.1884	
	QPSK DFT-s-OFDM	1	1	24.79	0.3013	22.79	0.1901	
		1	104	24.55	0.2851	22.55	0.1799	
		50	25	24.77	0.2999	22.77	0.1892	
	16QAM DFT-s-OFDM	1	1	23.79	0.2393	21.79	0.151	
		1	104	23.77	0.2382	21.77	0.1503	
		50	25	23.71	0.235	21.71	0.1483	
	64QAM DFT-s-OFDM	1	1	22.22	0.1667	20.22	0.1052	
		1	104	22.24	0.1675	20.24	0.1057	
		50	25	22.30	0.1698	20.30	0.1072	
	256QAM DFT-s-OFDM	1	1	19.86	0.0968	17.86	0.0611	
		1	104	19.63	0.0918	17.63	0.0579	
		50	25	20.04	0.1009	18.04	0.0637	
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.71	0.2958	22.71	0.1866
			1	104	24.69	0.2944	22.69	0.1858
			50	25	24.78	0.3006	22.78	0.1897
QPSK DFT-s-OFDM		1	1	24.64	0.2911	22.64	0.1837	
		1	104	24.53	0.2838	22.53	0.1791	
		50	25	24.76	0.2992	22.76	0.1888	
16QAM DFT-s-OFDM		1	1	23.77	0.2382	21.77	0.1503	
		1	104	23.73	0.236	21.73	0.1489	
		50	25	23.76	0.2377	21.76	0.15	
64QAM DFT-s-OFDM		1	1	22.25	0.1679	20.25	0.1059	
		1	104	22.33	0.171	20.33	0.1079	
		50	25	22.23	0.1671	20.23	0.1054	
256QAM DFT-s-OFDM		1	1	19.68	0.0929	17.68	0.0586	
		1	104	20.25	0.1059	18.25	0.0668	
		50	25	20.10	0.1023	18.10	0.0646	
QPSK CP-s-OFDM		1	1	22.78	0.1897	20.78	0.1197	
		1	104	22.65	0.1841	20.65	0.1161	
		53	26	22.64	0.1837	20.64	0.1159	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.63	0.2904	22.63	0.1832	
		1	104	24.51	0.2825	22.51	0.1782	
		50	25	24.62	0.2897	22.62	0.1828	
	QPSK DFT-s-OFDM	1	1	24.66	0.2924	22.66	0.1845	
		1	104	24.56	0.2858	22.56	0.1803	
		50	25	24.53	0.2838	22.53	0.1791	
	16QAM DFT-s-OFDM	1	1	23.74	0.2366	21.74	0.1493	
		1	104	23.65	0.2317	21.65	0.1462	
		50	25	23.76	0.2377	21.76	0.15	
	64QAM DFT-s-OFDM	1	1	22.27	0.1687	20.27	0.1064	
		1	104	22.25	0.1679	20.25	0.1059	
		50	25	22.27	0.1687	20.27	0.1064	
	256QAM DFT-s-OFDM	1	1	19.88	0.0973	17.88	0.0614	
		1	104	19.81	0.0957	17.81	0.0604	
		50	25	20.08	0.1019	18.08	0.0643	
Limit	EIRP < 2W			Result		PASS		

SA n2 (ANT3) 15MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.70	0.2951	22.70	0.1862
		1	77	24.75	0.2985	22.75	0.1884
		36	18	24.73	0.2972	22.73	0.1875
	QPSK DFT-s-OFDM	1	1	24.68	0.2938	22.68	0.1854
		1	77	24.75	0.2985	22.75	0.1884
		36	18	24.77	0.2999	22.77	0.1892
	16QAM DFT-s-OFDM	1	1	23.71	0.235	21.71	0.1483
		1	77	23.72	0.2355	21.72	0.1486
		36	18	23.73	0.236	21.73	0.1489
	64QAM DFT-s-OFDM	1	1	22.27	0.1687	20.27	0.1064
		1	77	22.31	0.1702	20.31	0.1074
		36	18	22.23	0.1671	20.23	0.1054
	256QAM DFT-s-OFDM	1	1	19.82	0.0959	17.82	0.0605
		1	77	20.03	0.1007	18.03	0.0635
		36	18	20.01	0.1002	18.01	0.0632
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.72	0.2965	22.72	0.1871
		1	77	24.71	0.2958	22.71	0.1866
		36	18	24.75	0.2985	22.75	0.1884
	QPSK DFT-s-OFDM	1	1	24.58	0.2871	22.58	0.1811
		1	77	24.72	0.2965	22.72	0.1871
		36	18	24.74	0.2979	22.74	0.1879
	16QAM DFT-s-OFDM	1	1	23.73	0.236	21.73	0.1489
		1	77	23.71	0.235	21.71	0.1483
		36	18	23.79	0.2393	21.79	0.151
	64QAM DFT-s-OFDM	1	1	22.32	0.1706	20.32	0.1076
		1	77	22.30	0.1698	20.30	0.1072
		36	18	22.31	0.1702	20.31	0.1074
	256QAM DFT-s-OFDM	1	1	20.20	0.1047	18.20	0.0661
		1	77	19.81	0.0957	17.81	0.0604
		36	18	20.11	0.1026	18.11	0.0647
QPSK CP-s-OFDM	1	1	22.92	0.1959	20.92	0.1236	
	1	77	22.91	0.1954	20.91	0.1233	
	39	19	23.09	0.2037	21.09	0.1285	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.59	0.2877	22.59	0.1816
		1	77	24.55	0.2851	22.55	0.1799
		36	18	24.59	0.2877	22.59	0.1816
	QPSK DFT-s-OFDM	1	1	24.56	0.2858	22.56	0.1803
		1	77	24.59	0.2877	22.59	0.1816
		36	18	24.60	0.2884	22.60	0.182
	16QAM DFT-s-OFDM	1	1	23.79	0.2393	21.79	0.151
		1	77	23.56	0.227	21.56	0.1432
		36	18	23.77	0.2382	21.77	0.1503
	64QAM DFT-s-OFDM	1	1	22.26	0.1683	20.26	0.1062
		1	77	22.25	0.1679	20.25	0.1059
		36	18	22.27	0.1687	20.27	0.1064
	256QAM DFT-s-OFDM	1	1	19.98	0.0995	17.98	0.0628
		1	77	20.15	0.1035	18.15	0.0653
		36	18	20.07	0.1016	18.07	0.0641
Limit	EIRP < 2W			Result		PASS	

SA n2 (ANT3) 10MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.71	0.2958	22.71	0.1866
		1	50	24.69	0.2944	22.69	0.1858
		25	12	24.68	0.2938	22.68	0.1854
	QPSK DFT-s-OFDM	1	1	24.62	0.2897	22.62	0.1828
		1	50	24.64	0.2911	22.64	0.1837
		25	12	24.69	0.2944	22.69	0.1858
	16QAM DFT-s-OFDM	1	1	23.77	0.2382	21.77	0.1503
		1	50	23.79	0.2393	21.79	0.151
		25	12	23.69	0.2339	21.69	0.1476
	64QAM DFT-s-OFDM	1	1	22.23	0.1671	20.23	0.1054
		1	50	22.29	0.1694	20.29	0.1069
		25	12	22.26	0.1683	20.26	0.1062
	256QAM DFT-s-OFDM	1	1	20.41	0.1099	18.41	0.0693
		1	50	20.12	0.1028	18.12	0.0649
		25	12	20.09	0.1021	18.09	0.0644
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.68	0.2938	22.68	0.1854
		1	50	24.62	0.2897	22.62	0.1828
		25	12	24.70	0.2951	22.70	0.1862
	QPSK DFT-s-OFDM	1	1	24.61	0.2891	22.61	0.1824
		1	50	24.67	0.2931	22.67	0.1849
		25	12	24.72	0.2965	22.72	0.1871
	16QAM DFT-s-OFDM	1	1	23.73	0.236	21.73	0.1489
		1	50	23.77	0.2382	21.77	0.1503
		25	12	23.77	0.2382	21.77	0.1503
	64QAM DFT-s-OFDM	1	1	22.26	0.1683	20.26	0.1062
		1	50	22.21	0.1663	20.21	0.105
		25	12	22.21	0.1663	20.21	0.105
	256QAM DFT-s-OFDM	1	1	19.94	0.0986	17.94	0.0622
		1	50	20.39	0.1094	18.39	0.069
		25	12	19.96	0.0991	17.96	0.0625
QPSK CP-s-OFDM	1	1	22.82	0.1914	20.82	0.1208	
	1	50	22.78	0.1897	20.78	0.1197	
	26	13	22.77	0.1892	20.77	0.1194	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.66	0.2924	22.66	0.1845
		1	50	24.52	0.2831	22.52	0.1786
		25	12	24.56	0.2858	22.56	0.1803
	QPSK DFT-s-OFDM	1	1	24.64	0.2911	22.64	0.1837
		1	50	24.42	0.2767	22.42	0.1746
		25	12	24.63	0.2904	22.63	0.1832
	16QAM DFT-s-OFDM	1	1	23.78	0.2388	21.78	0.1507
		1	50	23.49	0.2234	21.49	0.1409
		25	12	23.69	0.2339	21.69	0.1476
	64QAM DFT-s-OFDM	1	1	22.29	0.1694	20.29	0.1069
		1	50	22.33	0.171	20.33	0.1079
		25	12	22.21	0.1663	20.21	0.105
	256QAM DFT-s-OFDM	1	1	20.14	0.1033	18.14	0.0652
		1	50	19.84	0.0964	17.84	0.0608
		25	12	20.09	0.1021	18.09	0.0644
Limit	EIRP < 2W			Result		PASS	

SA n2 (ANT3) 5MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.61	0.2891	22.61	0.1824
		1	23	24.62	0.2897	22.62	0.1828
		12	6	24.64	0.2911	22.64	0.1837
	QPSK DFT-s-OFDM	1	1	24.77	0.2999	22.77	0.1892
		1	23	24.60	0.2884	22.60	0.182
		12	6	24.63	0.2904	22.63	0.1832
	16QAM DFT-s-OFDM	1	1	23.69	0.2339	21.69	0.1476
		1	23	23.76	0.2377	21.76	0.15
		12	6	23.77	0.2382	21.77	0.1503
	64QAM DFT-s-OFDM	1	1	22.31	0.1702	20.31	0.1074
		1	23	22.26	0.1683	20.26	0.1062
		12	6	22.24	0.1675	20.24	0.1057
	256QAM DFT-s-OFDM	1	1	20.19	0.1045	18.19	0.0659
		1	23	19.67	0.0927	17.67	0.0585
		12	6	19.83	0.0962	17.83	0.0607
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.77	0.2999	22.77	0.1892
		1	23	24.73	0.2972	22.73	0.1875
		12	6	24.70	0.2951	22.70	0.1862
	QPSK DFT-s-OFDM	1	1	24.76	0.2992	22.76	0.1888
		1	23	24.71	0.2958	22.71	0.1866
		12	6	24.74	0.2979	22.74	0.1879
	16QAM DFT-s-OFDM	1	1	23.79	0.2393	21.79	0.151
		1	23	23.74	0.2366	21.74	0.1493
		12	6	23.74	0.2366	21.74	0.1493
	64QAM DFT-s-OFDM	1	1	22.23	0.1671	20.23	0.1054
		1	23	22.33	0.171	20.33	0.1079
		12	6	22.28	0.169	20.28	0.1067
	256QAM DFT-s-OFDM	1	1	20.11	0.1026	18.11	0.0647
		1	23	20.05	0.1012	18.05	0.0638
		12	6	20.01	0.1002	18.01	0.0632
	QPSK CP-s-OFDM	1	1	22.85	0.1928	20.85	0.1216
		1	23	22.75	0.1884	20.75	0.1189
		13	6	22.81	0.191	20.81	0.1205
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.61	0.2891	22.61	0.1824
		1	23	24.55	0.2851	22.55	0.1799
		12	6	24.52	0.2831	22.52	0.1786
	QPSK DFT-s-OFDM	1	1	24.53	0.2838	22.53	0.1791
		1	23	24.56	0.2858	22.56	0.1803
		12	6	24.61	0.2891	22.61	0.1824
	16QAM DFT-s-OFDM	1	1	23.71	0.235	21.71	0.1483
		1	23	23.73	0.236	21.73	0.1489
		12	6	23.75	0.2371	21.75	0.1496
	64QAM DFT-s-OFDM	1	1	22.28	0.169	20.28	0.1067
		1	23	22.23	0.1671	20.23	0.1054
		12	6	22.26	0.1683	20.26	0.1062
	256QAM DFT-s-OFDM	1	1	20.40	0.1096	18.40	0.0692
		1	23	19.77	0.0948	17.77	0.0598
		12	6	20.02	0.1005	18.02	0.0634
Limit	EIRP < 2W			Result		PASS	

5G NR n5_SA mode:

SA n5 (ANT1) 20MHz (GT - LC = -4 dB)							
Channel	Mode	NR		Conducted		ERP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	23.78	0.2388	17.63	0.0579
		1	104	23.45	0.2213	17.30	0.0537
		50	25	23.65	0.2317	17.50	0.0562
	QPSK DFT-s-OFDM	1	1	23.66	0.2323	17.51	0.0564
		1	104	23.49	0.2234	17.34	0.0542
		50	25	23.33	0.2153	17.18	0.0522
	16QAM DFT-s-OFDM	1	1	22.64	0.1837	16.49	0.0446
		1	104	22.55	0.1799	16.40	0.0437
		50	25	22.47	0.1766	16.32	0.0429
	64QAM DFT-s-OFDM	1	1	21.22	0.1324	15.07	0.0321
		1	104	21.17	0.1309	15.02	0.0318
		50	25	21.36	0.1368	15.21	0.0332
	256QAM DFT-s-OFDM	1	1	19.66	0.0925	13.51	0.0224
		1	104	19.42	0.0875	13.27	0.0212
		50	25	19.09	0.0811	12.94	0.0197
Middle	PI/2 BPSK DFT-s-OFDM	1	1	23.61	0.2296	17.46	0.0557
		1	104	23.56	0.227	17.41	0.0551
		50	25	23.63	0.2307	17.48	0.056
	QPSK DFT-s-OFDM	1	1	23.57	0.2275	17.42	0.0552
		1	104	22.82	0.1914	16.67	0.0465
		50	25	23.55	0.2265	17.40	0.055
	16QAM DFT-s-OFDM	1	1	22.75	0.1884	16.60	0.0457
		1	104	22.83	0.1919	16.68	0.0466
		50	25	22.79	0.1901	16.64	0.0461
	64QAM DFT-s-OFDM	1	1	21.37	0.1371	15.22	0.0333
		1	104	21.49	0.1409	15.34	0.0342
		50	25	21.45	0.1396	15.30	0.0339
	256QAM DFT-s-OFDM	1	1	19.64	0.092	13.49	0.0223
		1	104	19.21	0.0834	13.06	0.0202
		50	25	19.16	0.0824	13.01	0.02
	QPSK CP-s-OFDM	1	1	22.32	0.1706	16.17	0.0414
		1	104	21.66	0.1466	15.51	0.0356
		53	26	22.15	0.1641	16.00	0.0398
Highest	PI/2 BPSK DFT-s-OFDM	1	1	23.65	0.2317	17.50	0.0562
		1	104	23.44	0.2208	17.29	0.0536
		50	25	23.52	0.2249	17.37	0.0546
	QPSK DFT-s-OFDM	1	1	23.62	0.2301	17.47	0.0558
		1	104	22.91	0.1954	16.76	0.0474
		50	25	23.46	0.2218	17.31	0.0538
	16QAM DFT-s-OFDM	1	1	22.34	0.1714	16.19	0.0416
		1	104	20.97	0.125	14.82	0.0303
		50	25	22.37	0.1726	16.22	0.0419
	64QAM DFT-s-OFDM	1	1	20.78	0.1197	14.63	0.029
		1	104	19.44	0.0879	13.29	0.0213
		50	25	20.85	0.1216	14.70	0.0295
	256QAM DFT-s-OFDM	1	1	19.39	0.0869	13.24	0.0211
		1	104	19.24	0.0839	13.09	0.0204
		50	25	18.98	0.0791	12.83	0.0192
Limit	ERP < 2W			Result		PASS	

SA n5 (ANT1) 15MHz (GT - LC = -4 dB)								
Channel	Mode	NR		Conducted		ERP		
		RB						
		Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)	
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	23.71	0.235	17.56	0.057	
		1	77	23.66	0.2323	17.51	0.0564	
		36	18	23.65	0.2317	17.50	0.0562	
	QPSK DFT-s-OFDM	1	1	23.71	0.235	17.56	0.057	
		1	77	23.67	0.2328	17.52	0.0565	
		36	18	23.56	0.227	17.41	0.0551	
	16QAM DFT-s-OFDM	1	1	22.67	0.1849	16.52	0.0449	
		1	77	22.73	0.1875	16.58	0.0455	
		36	18	22.55	0.1799	16.40	0.0437	
	64QAM DFT-s-OFDM	1	1	21.34	0.1361	15.19	0.033	
		1	77	21.34	0.1361	15.19	0.033	
		36	18	21.26	0.1337	15.11	0.0324	
	256QAM DFT-s-OFDM	1	1	19.57	0.0906	13.42	0.022	
		1	77	19.43	0.0877	13.28	0.0213	
		36	18	19.25	0.0841	13.10	0.0204	
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	23.59	0.2286	17.44	0.0555
			1	77	23.48	0.2228	17.33	0.0541
			36	18	23.59	0.2286	17.44	0.0555
QPSK DFT-s-OFDM		1	1	23.58	0.228	17.43	0.0553	
		1	77	23.52	0.2249	17.37	0.0546	
		36	18	23.56	0.227	17.41	0.0551	
16QAM DFT-s-OFDM		1	1	22.73	0.1875	16.58	0.0455	
		1	77	22.71	0.1866	16.56	0.0453	
		36	18	22.80	0.1905	16.65	0.0462	
64QAM DFT-s-OFDM		1	1	21.19	0.1315	15.04	0.0319	
		1	77	21.28	0.1343	15.13	0.0326	
		36	18	21.18	0.1312	15.03	0.0318	
256QAM DFT-s-OFDM		1	1	19.39	0.0869	13.24	0.0211	
		1	77	19.06	0.0805	12.91	0.0195	
		36	18	19.24	0.0839	13.09	0.0204	
QPSK CP-s-OFDM		1	1	22.19	0.1656	16.04	0.0402	
		1	77	22.07	0.1611	15.92	0.0391	
		39	19	22.18	0.1652	16.03	0.0401	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	23.58	0.228	17.43	0.0553	
		1	77	23.61	0.2296	17.46	0.0557	
		36	18	23.65	0.2317	17.50	0.0562	
	QPSK DFT-s-OFDM	1	1	23.62	0.2301	17.47	0.0558	
		1	77	23.63	0.2307	17.48	0.056	
		36	18	23.58	0.228	17.43	0.0553	
	16QAM DFT-s-OFDM	1	1	22.87	0.1936	16.72	0.047	
		1	77	22.73	0.1875	16.58	0.0455	
		36	18	22.78	0.1897	16.63	0.046	
	64QAM DFT-s-OFDM	1	1	21.45	0.1396	15.30	0.0339	
		1	77	21.19	0.1315	15.04	0.0319	
		36	18	21.21	0.1321	15.06	0.0321	
	256QAM DFT-s-OFDM	1	1	18.82	0.0762	12.67	0.0185	
		1	77	19.06	0.0805	12.91	0.0195	
		36	18	19.05	0.0804	12.90	0.0195	
Limit	ERP < 2W			Result		PASS		

SA n5 (ANT1) 10MHz (GT - LC = -4 dB)							
Channel	Mode	NR		Conducted		ERP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	23.61	0.2296	17.46	0.0557
		1	50	23.48	0.2228	17.33	0.0541
		25	12	23.71	0.235	17.56	0.057
	QPSK DFT-s-OFDM	1	1	23.65	0.2317	17.50	0.0562
		1	50	22.39	0.1734	16.24	0.0421
		25	12	23.58	0.228	17.43	0.0553
	16QAM DFT-s-OFDM	1	1	22.50	0.1778	16.35	0.0432
		1	50	22.58	0.1811	16.43	0.044
		25	12	22.63	0.1832	16.48	0.0445
	64QAM DFT-s-OFDM	1	1	21.11	0.1291	14.96	0.0313
		1	50	21.16	0.1306	15.01	0.0317
		25	12	21.30	0.1349	15.15	0.0327
	256QAM DFT-s-OFDM	1	1	19.11	0.0815	12.96	0.0198
		1	50	18.89	0.0774	12.74	0.0188
		25	12	19.18	0.0828	13.03	0.0201
Middle	PI/2 BPSK DFT-s-OFDM	1	1	23.52	0.2249	17.37	0.0546
		1	50	23.40	0.2188	17.25	0.0531
		25	12	23.49	0.2234	17.34	0.0542
	QPSK DFT-s-OFDM	1	1	23.11	0.2046	16.96	0.0497
		1	50	23.42	0.2198	17.27	0.0533
		25	12	23.50	0.2239	17.35	0.0543
	16QAM DFT-s-OFDM	1	1	22.61	0.1824	16.46	0.0443
		1	50	22.64	0.1837	16.49	0.0446
		25	12	22.78	0.1897	16.63	0.046
	64QAM DFT-s-OFDM	1	1	21.28	0.1343	15.13	0.0326
		1	50	21.47	0.1403	15.32	0.034
		25	12	21.25	0.1334	15.10	0.0324
	256QAM DFT-s-OFDM	1	1	19.16	0.0824	13.01	0.02
		1	50	18.95	0.0785	12.80	0.0191
		25	12	19.09	0.0811	12.94	0.0197
QPSK CP-s-OFDM	1	1	22.53	0.1791	16.38	0.0435	
	1	50	22.01	0.1589	15.86	0.0385	
	26	13	21.99	0.1581	15.84	0.0384	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	23.37	0.2173	17.22	0.0527
		1	50	23.34	0.2158	17.19	0.0524
		25	12	23.45	0.2213	17.30	0.0537
	QPSK DFT-s-OFDM	1	1	23.33	0.2153	17.18	0.0522
		1	50	23.43	0.2203	17.28	0.0535
		25	12	23.39	0.2183	17.24	0.053
	16QAM DFT-s-OFDM	1	1	22.75	0.1884	16.60	0.0457
		1	50	22.73	0.1875	16.58	0.0455
		25	12	22.69	0.1858	16.54	0.0451
	64QAM DFT-s-OFDM	1	1	21.19	0.1315	15.04	0.0319
		1	50	21.27	0.134	15.12	0.0325
		25	12	21.17	0.1309	15.02	0.0318
	256QAM DFT-s-OFDM	1	1	19.09	0.0811	12.94	0.0197
		1	50	18.87	0.0771	12.72	0.0187
		25	12	18.81	0.076	12.66	0.0185
Limit	ERP < 2W			Result		PASS	

SA n5 (ANT1) 5MHz (GT - LC = -4 dB)							
Channel	Mode	NR		Conducted		ERP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	23.74	0.2366	17.59	0.0574
		1	23	23.50	0.2239	17.35	0.0543
		12	6	23.61	0.2296	17.46	0.0557
	QPSK DFT-s-OFDM	1	1	23.75	0.2371	17.60	0.0575
		1	23	23.54	0.2259	17.39	0.0548
		12	6	23.73	0.236	17.58	0.0573
	16QAM DFT-s-OFDM	1	1	22.49	0.1774	16.34	0.0431
		1	23	22.61	0.1824	16.46	0.0443
		12	6	22.42	0.1746	16.27	0.0424
	64QAM DFT-s-OFDM	1	1	21.46	0.14	15.31	0.034
		1	23	21.11	0.1291	14.96	0.0313
		12	6	21.24	0.133	15.09	0.0323
	256QAM DFT-s-OFDM	1	1	19.43	0.0877	13.28	0.0213
		1	23	19.46	0.0883	13.31	0.0214
		12	6	19.37	0.0865	13.22	0.021
Middle	PI/2 BPSK DFT-s-OFDM	1	1	23.55	0.2265	17.40	0.055
		1	23	23.42	0.2198	17.27	0.0533
		12	6	23.51	0.2244	17.36	0.0545
	QPSK DFT-s-OFDM	1	1	23.64	0.2312	17.49	0.0561
		1	23	23.58	0.228	17.43	0.0553
		12	6	23.48	0.2228	17.33	0.0541
	16QAM DFT-s-OFDM	1	1	22.63	0.1832	16.48	0.0445
		1	23	22.74	0.1879	16.59	0.0456
		12	6	22.52	0.1786	16.37	0.0434
	64QAM DFT-s-OFDM	1	1	21.31	0.1352	15.16	0.0328
		1	23	21.17	0.1309	15.02	0.0318
		12	6	21.23	0.1327	15.08	0.0322
	256QAM DFT-s-OFDM	1	1	19.26	0.0843	13.11	0.0205
		1	23	18.84	0.0766	12.69	0.0186
		12	6	19.09	0.0811	12.94	0.0197
	QPSK CP-s-OFDM	1	1	22.23	0.1671	16.08	0.0406
		1	23	22.27	0.1687	16.12	0.0409
		13	6	22.13	0.1633	15.98	0.0396
Highest	PI/2 BPSK DFT-s-OFDM	1	1	23.42	0.2198	17.27	0.0533
		1	23	23.31	0.2143	17.16	0.052
		12	6	23.39	0.2183	17.24	0.053
	QPSK DFT-s-OFDM	1	1	23.49	0.2234	17.34	0.0542
		1	23	23.43	0.2203	17.28	0.0535
		12	6	23.32	0.2148	17.17	0.0521
	16QAM DFT-s-OFDM	1	1	22.71	0.1866	16.56	0.0453
		1	23	22.69	0.1858	16.54	0.0451
		12	6	22.73	0.1875	16.58	0.0455
	64QAM DFT-s-OFDM	1	1	21.29	0.1346	15.14	0.0327
		1	23	21.31	0.1352	15.16	0.0328
		12	6	21.26	0.1337	15.11	0.0324
	256QAM DFT-s-OFDM	1	1	19.28	0.0847	13.13	0.0206
		1	23	18.81	0.076	12.66	0.0185
		12	6	18.87	0.0771	12.72	0.0187
Limit	ERP < 2W			Result		PASS	

5G NR n25_SA mode:

SA n25 (ANT3)20MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.53	0.2838	22.53	0.1791
		1	104	24.47	0.2799	22.47	0.1766
		50	25	24.60	0.2884	22.60	0.182
	QPSK DFT-s-OFDM	1	1	24.60	0.2884	22.60	0.182
		1	104	24.56	0.2858	22.56	0.1803
		50	25	24.57	0.2864	22.57	0.1807
	16QAM DFT-s-OFDM	1	1	23.63	0.2307	21.63	0.1455
		1	104	23.32	0.2148	21.32	0.1355
		50	25	23.61	0.2296	21.61	0.1449
	64QAM DFT-s-OFDM	1	1	22.55	0.1799	20.55	0.1135
		1	104	22.45	0.1758	20.45	0.1109
		50	25	22.32	0.1706	20.32	0.1076
	256QAM DFT-s-OFDM	1	1	20.13	0.103	18.13	0.065
		1	104	19.96	0.0991	17.96	0.0625
		50	25	20.03	0.1007	18.03	0.0635
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.58	0.2871	22.58	0.1811
		1	104	24.66	0.2924	22.66	0.1845
		50	25	24.79	0.3013	22.79	0.1901
	QPSK DFT-s-OFDM	1	1	24.62	0.2897	22.62	0.1828
		1	104	24.47	0.2799	22.47	0.1766
		50	25	24.74	0.2979	22.74	0.1879
	16QAM DFT-s-OFDM	1	1	23.58	0.228	21.58	0.1439
		1	104	23.69	0.2339	21.69	0.1476
		50	25	23.62	0.2301	21.62	0.1452
	64QAM DFT-s-OFDM	1	1	22.33	0.171	20.33	0.1079
		1	104	22.53	0.1791	20.53	0.113
		50	25	22.52	0.1786	20.52	0.1127
	256QAM DFT-s-OFDM	1	1	20.00	0.1	18.00	0.0631
		1	104	20.06	0.1014	18.06	0.064
		50	25	20.30	0.1072	18.30	0.0676
QPSK CP-s-OFDM	1	1	23.17	0.2075	21.17	0.1309	
	1	104	22.88	0.1941	20.88	0.1225	
	53	26	23.08	0.2032	21.08	0.1282	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.77	0.2999	22.77	0.1892
		1	104	24.48	0.2805	22.48	0.177
		50	25	24.66	0.2924	22.66	0.1845
	QPSK DFT-s-OFDM	1	1	24.72	0.2965	22.72	0.1871
		1	104	23.56	0.227	21.56	0.1432
		50	25	24.61	0.2891	22.61	0.1824
	16QAM DFT-s-OFDM	1	1	23.91	0.246	21.91	0.1552
		1	104	23.19	0.2084	21.19	0.1315
		50	25	23.63	0.2307	21.63	0.1455
	64QAM DFT-s-OFDM	1	1	22.48	0.177	20.48	0.1117
		1	104	21.63	0.1455	19.63	0.0918
		50	25	22.38	0.173	20.38	0.1091
	256QAM DFT-s-OFDM	1	1	20.25	0.1059	18.25	0.0668
		1	104	20.09	0.1021	18.09	0.0644
		50	25	20.11	0.1026	18.11	0.0647
Limit	EIRP < 2W			Result		PASS	

SA n25 (ANT3)15MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.62	0.2897	22.62	0.1828
		1	77	24.70	0.2951	22.70	0.1862
		36	18	24.62	0.2897	22.62	0.1828
	QPSK DFT-s-OFDM	1	1	24.68	0.2938	22.68	0.1854
		1	77	24.65	0.2917	22.65	0.1841
		36	18	24.72	0.2965	22.72	0.1871
	16QAM DFT-s-OFDM	1	1	23.51	0.2244	21.51	0.1416
		1	77	23.60	0.2291	21.60	0.1445
		36	18	23.50	0.2239	21.50	0.1413
	64QAM DFT-s-OFDM	1	1	22.49	0.1774	20.49	0.1119
		1	77	22.51	0.1782	20.51	0.1125
		36	18	22.40	0.1738	20.40	0.1096
	256QAM DFT-s-OFDM	1	1	20.21	0.105	18.21	0.0662
		1	77	19.96	0.0991	17.96	0.0625
		36	18	20.03	0.1007	18.03	0.0635
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.69	0.2944	22.69	0.1858
		1	77	24.68	0.2938	22.68	0.1854
		36	18	24.74	0.2979	22.74	0.1879
	QPSK DFT-s-OFDM	1	1	24.71	0.2958	22.71	0.1866
		1	77	24.64	0.2911	22.64	0.1837
		36	18	24.75	0.2985	22.75	0.1884
	16QAM DFT-s-OFDM	1	1	23.41	0.2193	21.41	0.1384
		1	77	23.33	0.2153	21.33	0.1358
		36	18	23.62	0.2301	21.62	0.1452
	64QAM DFT-s-OFDM	1	1	22.42	0.1746	20.42	0.1102
		1	77	22.28	0.169	20.28	0.1067
		36	18	22.42	0.1746	20.42	0.1102
	256QAM DFT-s-OFDM	1	1	19.91	0.0979	17.91	0.0618
		1	77	20.42	0.1102	18.42	0.0695
		36	18	20.29	0.1069	18.29	0.0675
QPSK CP-s-OFDM	1	1	23.06	0.2023	21.06	0.1276	
	1	77	22.90	0.195	20.90	0.123	
	39	19	23.10	0.2042	21.10	0.1288	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.65	0.2917	22.65	0.1841
		1	77	24.51	0.2825	22.51	0.1782
		36	18	24.62	0.2897	22.62	0.1828
	QPSK DFT-s-OFDM	1	1	24.62	0.2897	22.62	0.1828
		1	77	24.08	0.2559	22.08	0.1614
		36	18	24.54	0.2844	22.54	0.1795
	16QAM DFT-s-OFDM	1	1	23.48	0.2228	21.48	0.1406
		1	77	23.08	0.2032	21.08	0.1282
		36	18	23.58	0.228	21.58	0.1439
	64QAM DFT-s-OFDM	1	1	22.56	0.1803	20.56	0.1138
		1	77	21.52	0.1419	19.52	0.0895
		36	18	22.35	0.1718	20.35	0.1084
	256QAM DFT-s-OFDM	1	1	20.15	0.1035	18.15	0.0653
		1	77	20.02	0.1005	18.02	0.0634
		36	18	20.08	0.1019	18.08	0.0643
Limit	EIRP < 2W			Result		PASS	

SA n25 (ANT3)10MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.54	0.2844	22.54	0.1795
		1	50	24.61	0.2891	22.61	0.1824
		25	12	24.59	0.2877	22.59	0.1816
	QPSK DFT-s-OFDM	1	1	24.53	0.2838	22.53	0.1791
		1	50	24.70	0.2951	22.70	0.1862
		25	12	24.62	0.2897	22.62	0.1828
	16QAM DFT-s-OFDM	1	1	23.32	0.2148	21.32	0.1355
		1	50	23.46	0.2218	21.46	0.14
		25	12	23.44	0.2208	21.44	0.1393
	64QAM DFT-s-OFDM	1	1	22.33	0.171	20.33	0.1079
		1	50	22.36	0.1722	20.36	0.1086
		25	12	22.46	0.1762	20.46	0.1112
	256QAM DFT-s-OFDM	1	1	20.25	0.1059	18.25	0.0668
		1	50	20.02	0.1005	18.02	0.0634
		25	12	20.00	0.1	18.00	0.0631
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.63	0.2904	22.63	0.1832
		1	50	24.58	0.2871	22.58	0.1811
		25	12	24.65	0.2917	22.65	0.1841
	QPSK DFT-s-OFDM	1	1	24.70	0.2951	22.70	0.1862
		1	50	24.53	0.2838	22.53	0.1791
		25	12	24.67	0.2931	22.67	0.1849
	16QAM DFT-s-OFDM	1	1	23.85	0.2427	21.85	0.1531
		1	50	23.27	0.2123	21.27	0.134
		25	12	23.50	0.2239	21.50	0.1413
	64QAM DFT-s-OFDM	1	1	22.28	0.169	20.28	0.1067
		1	50	22.35	0.1718	20.35	0.1084
		25	12	22.45	0.1758	20.45	0.1109
	256QAM DFT-s-OFDM	1	1	20.14	0.1033	18.14	0.0652
		1	50	20.09	0.1021	18.09	0.0644
		25	12	20.28	0.1067	18.28	0.0673
QPSK CP-s-OFDM	1	1	23.21	0.2094	21.21	0.1321	
	1	50	22.96	0.1977	20.96	0.1247	
	26	13	23.13	0.2056	21.13	0.1297	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.42	0.2767	22.42	0.1746
		1	50	24.45	0.2786	22.45	0.1758
		25	12	24.51	0.2825	22.51	0.1782
	QPSK DFT-s-OFDM	1	1	24.43	0.2773	22.43	0.175
		1	50	23.81	0.2404	21.81	0.1517
		25	12	24.44	0.278	22.44	0.1754
	16QAM DFT-s-OFDM	1	1	23.64	0.2312	21.64	0.1459
		1	50	23.31	0.2143	21.31	0.1352
		25	12	23.67	0.2328	21.67	0.1469
	64QAM DFT-s-OFDM	1	1	22.32	0.1706	20.32	0.1076
		1	50	21.36	0.1368	19.36	0.0863
		25	12	22.36	0.1722	20.36	0.1086
	256QAM DFT-s-OFDM	1	1	20.25	0.1059	18.25	0.0668
		1	50	19.96	0.0991	17.96	0.0625
		25	12	20.11	0.1026	18.11	0.0647
Limit	EIRP < 2W			Result		PASS	

SA n25 (ANT3)5MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.37	0.2735	22.37	0.1726
		1	23	24.46	0.2793	22.46	0.1762
		12	6	24.38	0.2742	22.38	0.173
	QPSK DFT-s-OFDM	1	1	24.39	0.2748	22.39	0.1734
		1	23	24.43	0.2773	22.43	0.175
		12	6	24.42	0.2767	22.42	0.1746
	16QAM DFT-s-OFDM	1	1	23.47	0.2223	21.47	0.1403
		1	23	23.45	0.2213	21.45	0.1396
		12	6	23.54	0.2259	21.54	0.1426
	64QAM DFT-s-OFDM	1	1	22.34	0.1714	20.34	0.1081
		1	23	22.36	0.1722	20.36	0.1086
		12	6	22.52	0.1786	20.52	0.1127
	256QAM DFT-s-OFDM	1	1	20.26	0.1062	18.26	0.067
		1	23	20.10	0.1023	18.10	0.0646
		12	6	20.11	0.1026	18.11	0.0647
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.51	0.2825	22.51	0.1782
		1	23	24.50	0.2818	22.50	0.1778
		12	6	24.57	0.2864	22.57	0.1807
	QPSK DFT-s-OFDM	1	1	24.54	0.2844	22.54	0.1795
		1	23	24.62	0.2897	22.62	0.1828
		12	6	24.61	0.2891	22.61	0.1824
	16QAM DFT-s-OFDM	1	1	23.73	0.236	21.73	0.1489
		1	23	23.75	0.2371	21.75	0.1496
		12	6	23.68	0.2333	21.68	0.1472
	64QAM DFT-s-OFDM	1	1	22.43	0.175	20.43	0.1104
		1	23	22.40	0.1738	20.40	0.1096
		12	6	22.28	0.169	20.28	0.1067
	256QAM DFT-s-OFDM	1	1	19.93	0.0984	17.93	0.0621
		1	23	20.17	0.104	18.17	0.0656
		12	6	20.16	0.1038	18.16	0.0655
	QPSK CP-s-OFDM	1	1	23.10	0.2042	21.10	0.1288
		1	23	22.95	0.1972	20.95	0.1245
		13	6	23.10	0.2042	21.10	0.1288
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.50	0.2818	22.50	0.1778
		1	23	24.41	0.2761	22.41	0.1742
		12	6	24.46	0.2793	22.46	0.1762
	QPSK DFT-s-OFDM	1	1	24.43	0.2773	22.43	0.175
		1	23	23.88	0.2443	21.88	0.1542
		12	6	24.33	0.271	22.33	0.171
	16QAM DFT-s-OFDM	1	1	23.63	0.2307	21.63	0.1455
		1	23	23.17	0.2075	21.17	0.1309
		12	6	23.71	0.235	21.71	0.1483
	64QAM DFT-s-OFDM	1	1	22.43	0.175	20.43	0.1104
		1	23	21.42	0.1387	19.42	0.0875
		12	6	22.58	0.1811	20.58	0.1143
	256QAM DFT-s-OFDM	1	1	20.15	0.1035	18.15	0.0653
		1	23	20.10	0.1023	18.10	0.0646
		12	6	20.03	0.1007	18.03	0.0635
Limit	EIRP < 2W			Result		PASS	

5G NR n66_SA mode:

SA n66 (ANT3)20MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	23.89	0.2449	21.89	0.1545
		1	104	23.41	0.2193	21.41	0.1384
		50	25	23.42	0.2198	21.42	0.1387
	QPSK DFT-s-OFDM	1	1	23.75	0.2371	21.75	0.1496
		1	104	23.15	0.2065	21.15	0.1303
		50	25	23.46	0.2218	21.46	0.14
	16QAM DFT-s-OFDM	1	1	22.54	0.1795	20.54	0.1132
		1	104	22.33	0.171	20.33	0.1079
		50	25	22.51	0.1782	20.51	0.1125
	64QAM DFT-s-OFDM	1	1	21.21	0.1321	19.21	0.0834
		1	104	21.18	0.1312	19.18	0.0828
		50	25	20.93	0.1239	18.93	0.0782
	256QAM DFT-s-OFDM	1	1	20.27	0.1064	18.27	0.0671
		1	104	20.19	0.1045	18.19	0.0659
		50	25	20.12	0.1028	18.12	0.0649
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.67	0.2931	22.67	0.1849
		1	104	24.20	0.263	22.20	0.166
		50	25	24.51	0.2825	22.51	0.1782
	QPSK DFT-s-OFDM	1	1	24.24	0.2655	22.24	0.1675
		1	104	23.38	0.2178	21.38	0.1374
		50	25	24.43	0.2773	22.43	0.175
	16QAM DFT-s-OFDM	1	1	23.44	0.2208	21.44	0.1393
		1	104	22.39	0.1734	20.39	0.1094
		50	25	23.56	0.227	21.56	0.1432
	64QAM DFT-s-OFDM	1	1	21.96	0.157	19.96	0.0991
		1	104	20.86	0.1219	18.86	0.0769
		50	25	22.12	0.1629	20.12	0.1028
	256QAM DFT-s-OFDM	1	1	20.44	0.1107	18.44	0.0698
		1	104	20.05	0.1012	18.05	0.0638
		50	25	20.22	0.1052	18.22	0.0664
QPSK CP-s-OFDM	1	1	23.05	0.2018	21.05	0.1274	
	1	104	22.97	0.1982	20.97	0.125	
	53	26	23.12	0.2051	21.12	0.1294	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	23.29	0.2133	21.29	0.1346
		1	104	23.92	0.2466	21.92	0.1556
		50	25	23.44	0.2208	21.44	0.1393
	QPSK DFT-s-OFDM	1	1	22.83	0.1919	20.83	0.1211
		1	104	24.08	0.2559	22.08	0.1614
		50	25	23.46	0.2218	21.46	0.14
	16QAM DFT-s-OFDM	1	1	21.75	0.1496	19.75	0.0944
		1	104	22.78	0.1897	20.78	0.1197
		50	25	22.44	0.1754	20.44	0.1107
	64QAM DFT-s-OFDM	1	1	20.27	0.1064	18.27	0.0671
		1	104	21.34	0.1361	19.34	0.0859
		50	25	20.89	0.1227	18.89	0.0774
	256QAM DFT-s-OFDM	1	1	20.18	0.1042	18.18	0.0658
		1	104	20.24	0.1057	18.24	0.0667
		50	25	20.38	0.1091	18.38	0.0689
Limit	EIRP < 2W			Result		PASS	

SA n66 (ANT3)15MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.66	0.2924	22.66	0.1845
		1	77	24.47	0.2799	22.47	0.1766
		36	18	24.54	0.2844	22.54	0.1795
	QPSK DFT-s-OFDM	1	1	24.57	0.2864	22.57	0.1807
		1	77	23.57	0.2275	21.57	0.1435
		36	18	23.98	0.25	21.98	0.1578
	16QAM DFT-s-OFDM	1	1	23.25	0.2113	21.25	0.1334
		1	77	22.65	0.1841	20.65	0.1161
		36	18	22.72	0.1871	20.72	0.118
	64QAM DFT-s-OFDM	1	1	21.82	0.1521	19.82	0.0959
		1	77	20.95	0.1245	18.95	0.0785
		36	18	21.19	0.1315	19.19	0.083
	256QAM DFT-s-OFDM	1	1	20.21	0.105	18.21	0.0662
		1	77	20.10	0.1023	18.10	0.0646
		36	18	20.20	0.1047	18.20	0.0661
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.46	0.2793	22.46	0.1762
		1	77	24.47	0.2799	22.47	0.1766
		36	18	24.50	0.2818	22.50	0.1778
	QPSK DFT-s-OFDM	1	1	24.39	0.2748	22.39	0.1734
		1	77	23.92	0.2466	21.92	0.1556
		36	18	24.52	0.2831	22.52	0.1786
	16QAM DFT-s-OFDM	1	1	23.51	0.2244	21.51	0.1416
		1	77	22.49	0.1774	20.49	0.1119
		36	18	23.56	0.227	21.56	0.1432
	64QAM DFT-s-OFDM	1	1	22.08	0.1614	20.08	0.1019
		1	77	20.97	0.125	18.97	0.0789
		36	18	22.13	0.1633	20.13	0.103
	256QAM DFT-s-OFDM	1	1	20.55	0.1135	18.55	0.0716
		1	77	20.00	0.1	18.00	0.0631
		36	18	20.19	0.1045	18.19	0.0659
QPSK CP-s-OFDM	1	1	23.09	0.2037	21.09	0.1285	
	1	77	22.97	0.1982	20.97	0.125	
	39	19	23.07	0.2028	21.07	0.1279	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.40	0.2754	22.40	0.1738
		1	77	24.42	0.2767	22.42	0.1746
		36	18	24.36	0.2729	22.36	0.1722
	QPSK DFT-s-OFDM	1	1	23.33	0.2153	21.33	0.1358
		1	77	24.23	0.2649	22.23	0.1671
		36	18	23.63	0.2307	21.63	0.1455
	16QAM DFT-s-OFDM	1	1	21.83	0.1524	19.83	0.0962
		1	77	22.64	0.1837	20.64	0.1159
		36	18	22.48	0.177	20.48	0.1117
	64QAM DFT-s-OFDM	1	1	20.36	0.1086	18.36	0.0685
		1	77	21.27	0.134	19.27	0.0845
		36	18	20.95	0.1245	18.95	0.0785
	256QAM DFT-s-OFDM	1	1	20.23	0.1054	18.23	0.0665
		1	77	20.08	0.1019	18.08	0.0643
		36	18	20.27	0.1064	18.27	0.0671
Limit	EIRP < 2W			Result		PASS	

SA n66 (ANT3)10MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.52	0.2831	22.52	0.1786
		1	50	24.33	0.271	22.33	0.171
		25	12	24.49	0.2812	22.49	0.1774
	QPSK DFT-s-OFDM	1	1	23.87	0.2438	21.87	0.1538
		1	50	23.14	0.2061	21.14	0.13
		25	12	24.08	0.2559	22.08	0.1614
	16QAM DFT-s-OFDM	1	1	23.17	0.2075	21.17	0.1309
		1	50	22.59	0.1816	20.59	0.1146
		25	12	22.74	0.1879	20.74	0.1186
	64QAM DFT-s-OFDM	1	1	21.77	0.1503	19.77	0.0948
		1	50	20.93	0.1239	18.93	0.0782
		25	12	21.16	0.1306	19.16	0.0824
	256QAM DFT-s-OFDM	1	1	20.25	0.1059	18.25	0.0668
		1	50	20.16	0.1038	18.16	0.0655
		25	12	20.18	0.1042	18.18	0.0658
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.45	0.2786	22.45	0.1758
		1	50	24.49	0.2812	22.49	0.1774
		25	12	24.39	0.2748	22.39	0.1734
	QPSK DFT-s-OFDM	1	1	24.52	0.2831	22.52	0.1786
		1	50	24.06	0.2547	22.06	0.1607
		25	12	24.38	0.2742	22.38	0.173
	16QAM DFT-s-OFDM	1	1	23.47	0.2223	21.47	0.1403
		1	50	22.52	0.1786	20.52	0.1127
		25	12	23.59	0.2286	21.59	0.1442
	64QAM DFT-s-OFDM	1	1	22.13	0.1633	20.13	0.103
		1	50	21.08	0.1282	19.08	0.0809
		25	12	22.17	0.1648	20.17	0.104
	256QAM DFT-s-OFDM	1	1	20.54	0.1132	18.54	0.0714
		1	50	20.14	0.1033	18.14	0.0652
		25	12	20.18	0.1042	18.18	0.0658
	QPSK CP-s-OFDM	1	1	22.92	0.1959	20.92	0.1236
		1	50	22.84	0.1923	20.84	0.1213
		26	13	23.09	0.2037	21.09	0.1285
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.51	0.2825	22.51	0.1782
		1	50	24.43	0.2773	22.43	0.175
		25	12	24.47	0.2799	22.47	0.1766
	QPSK DFT-s-OFDM	1	1	23.16	0.207	21.16	0.1306
		1	50	24.15	0.26	22.15	0.1641
		25	12	23.97	0.2495	21.97	0.1574
	16QAM DFT-s-OFDM	1	1	21.74	0.1493	19.74	0.0942
		1	50	22.73	0.1875	20.73	0.1183
		25	12	22.59	0.1816	20.59	0.1146
	64QAM DFT-s-OFDM	1	1	20.38	0.1091	18.38	0.0689
		1	50	21.29	0.1346	19.29	0.0849
		25	12	20.97	0.125	18.97	0.0789
	256QAM DFT-s-OFDM	1	1	20.17	0.104	18.17	0.0656
		1	50	20.27	0.1064	18.27	0.0671
		25	12	20.14	0.1033	18.14	0.0652
Limit	EIRP < 2W			Result		PASS	

SA n66 (ANT3)5MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.42	0.2767	22.42	0.1746
		1	23	24.41	0.2761	22.41	0.1742
		12	6	24.44	0.278	22.44	0.1754
	QPSK DFT-s-OFDM	1	1	24.03	0.2529	22.03	0.1596
		1	23	23.87	0.2438	21.87	0.1538
		12	6	24.13	0.2588	22.13	0.1633
	16QAM DFT-s-OFDM	1	1	23.21	0.2094	21.21	0.1321
		1	23	22.63	0.1832	20.63	0.1156
		12	6	22.71	0.1866	20.71	0.1178
	64QAM DFT-s-OFDM	1	1	21.74	0.1493	19.74	0.0942
		1	23	20.96	0.1247	18.96	0.0787
		12	6	21.09	0.1285	19.09	0.0811
	256QAM DFT-s-OFDM	1	1	20.17	0.104	18.17	0.0656
		1	23	20.22	0.1052	18.22	0.0664
		12	6	20.25	0.1059	18.25	0.0668
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.47	0.2799	22.47	0.1766
		1	23	24.52	0.2831	22.52	0.1786
		12	6	24.36	0.2729	22.36	0.1722
	QPSK DFT-s-OFDM	1	1	24.66	0.2924	22.66	0.1845
		1	23	24.27	0.2673	22.27	0.1687
		12	6	24.44	0.278	22.44	0.1754
	16QAM DFT-s-OFDM	1	1	23.45	0.2213	21.45	0.1396
		1	23	22.49	0.1774	20.49	0.1119
		12	6	23.51	0.2244	21.51	0.1416
	64QAM DFT-s-OFDM	1	1	22.07	0.1611	20.07	0.1016
		1	23	21.12	0.1294	19.12	0.0817
		12	6	22.15	0.1641	20.15	0.1035
	256QAM DFT-s-OFDM	1	1	20.56	0.1138	18.56	0.0718
		1	23	19.94	0.0986	17.94	0.0622
		12	6	20.17	0.104	18.17	0.0656
QPSK CP-s-OFDM	1	1	22.99	0.1991	20.99	0.1256	
	1	23	22.88	0.1941	20.88	0.1225	
	13	6	23.09	0.2037	21.09	0.1285	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.52	0.2831	22.52	0.1786
		1	23	24.41	0.2761	22.41	0.1742
		12	6	24.44	0.278	22.44	0.1754
	QPSK DFT-s-OFDM	1	1	23.90	0.2455	21.90	0.1549
		1	23	24.18	0.2618	22.18	0.1652
		12	6	24.14	0.2594	22.14	0.1637
	16QAM DFT-s-OFDM	1	1	21.69	0.1476	19.69	0.0931
		1	23	22.67	0.1849	20.67	0.1167
		12	6	22.64	0.1837	20.64	0.1159
	64QAM DFT-s-OFDM	1	1	20.36	0.1086	18.36	0.0685
		1	23	21.27	0.134	19.27	0.0845
		12	6	21.02	0.1265	19.02	0.0798
	256QAM DFT-s-OFDM	1	1	20.11	0.1026	18.11	0.0647
		1	23	20.25	0.1059	18.25	0.0668
		12	6	20.10	0.1023	18.10	0.0646
Limit	EIRP < 2W			Result		PASS	



5G NR n2

NSA

Peak-to-Average Ratio

Mode	FR1 n2+5A / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.12	3.71	6.14	4.99	PASS
Middle CH	3.88	3.62	5.94	5.1	
Highest CH	4.14	3.74	5.97	5.13	



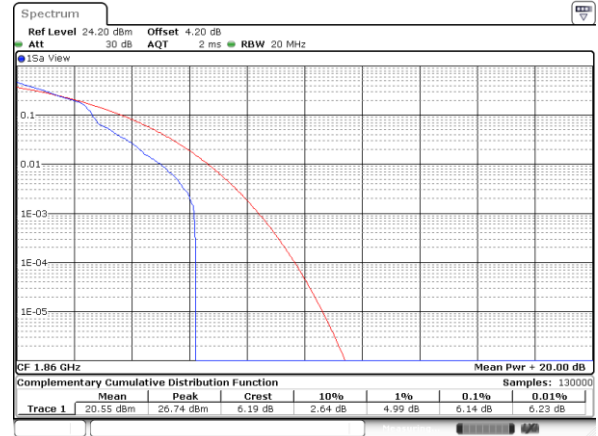
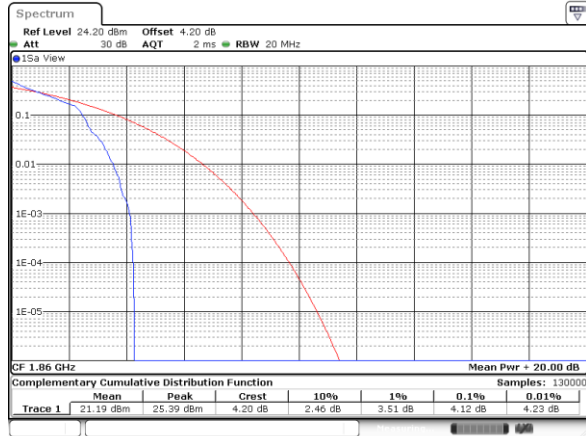
FR1 n2+5A / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

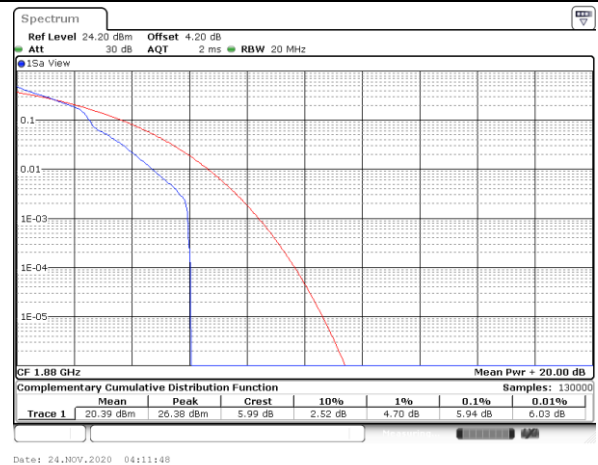
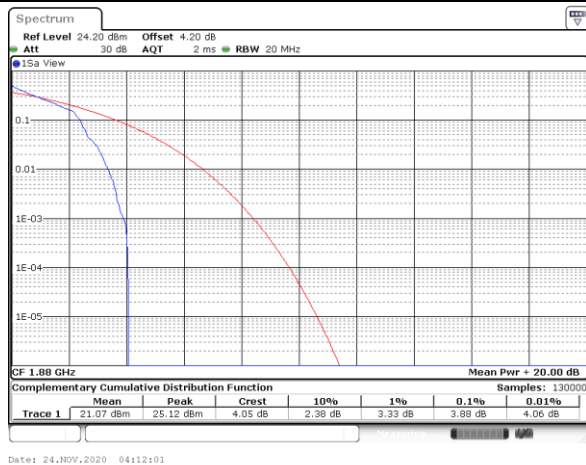
Lowest Channel / 1RB

Lowest Channel / 1RB



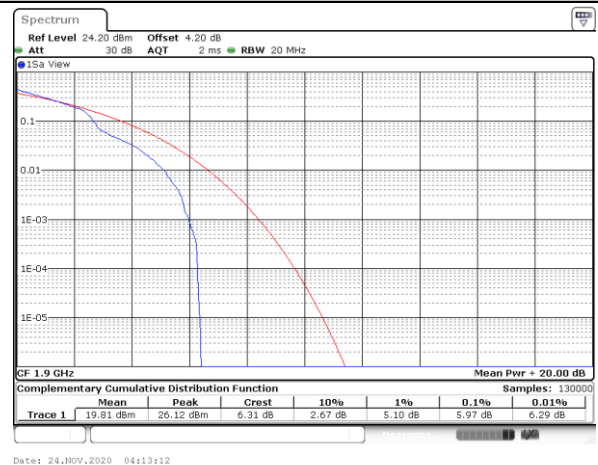
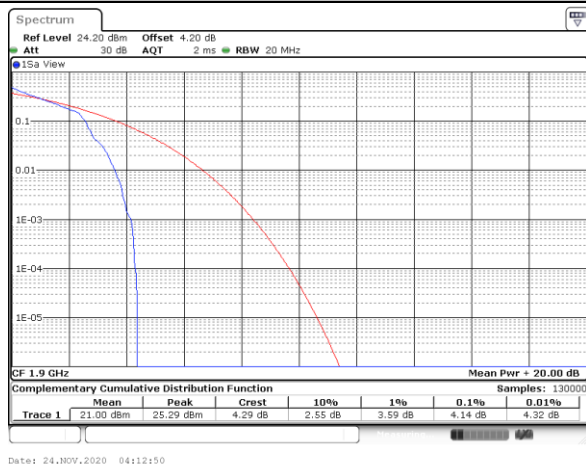
Middle Channel / 1 RB

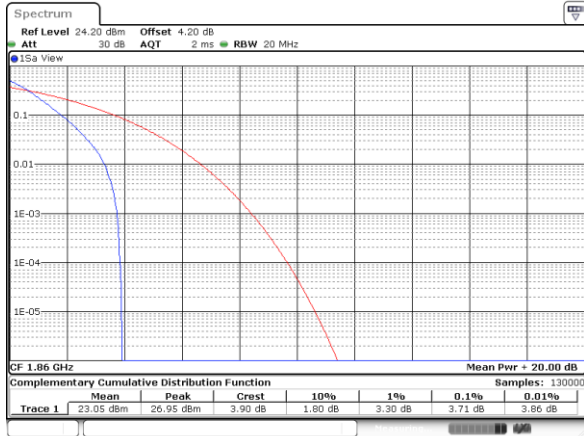
Middle Channel / 1 RB



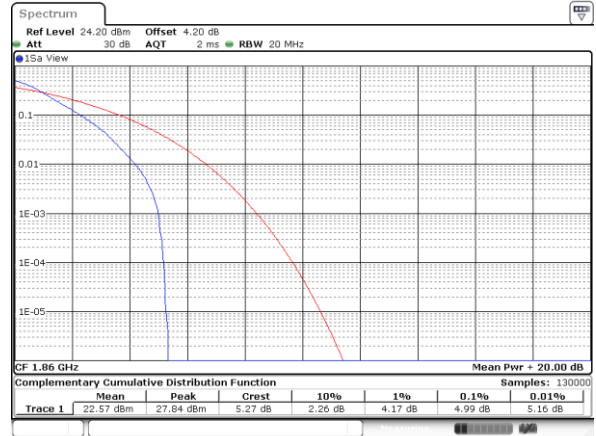
Highest Channel / 1 RB

Highest Channel / 1 RB

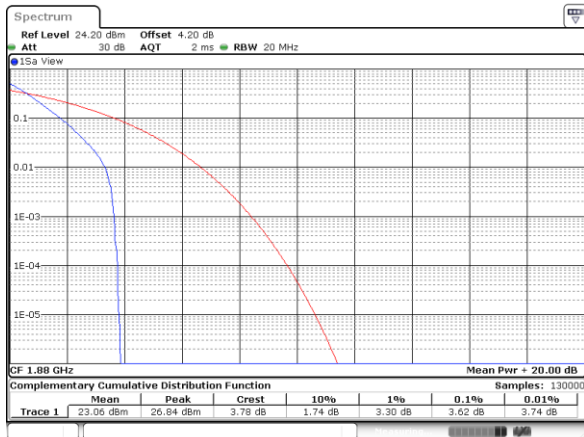


FR1 n2+5A / 20MHz / DFT-S OFDM
PI/2 BPSK
QPSK
Lowest Channel / Full RB
Lowest Channel / Full RB


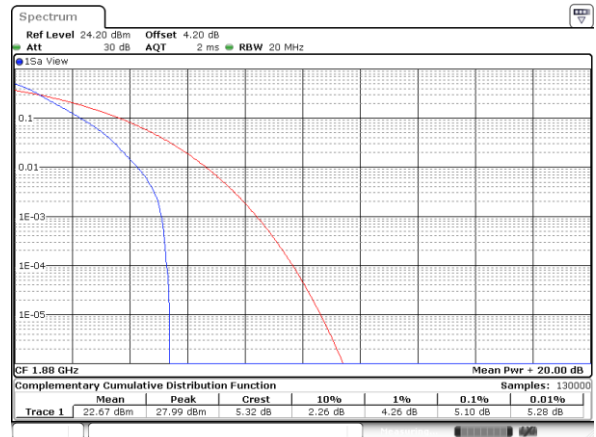
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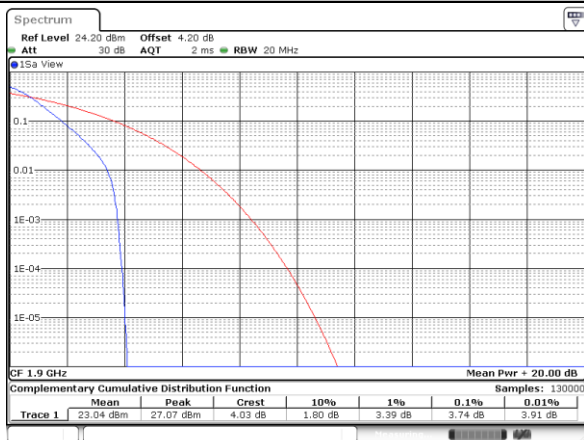
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Middle Channel / Full RB
Middle Channel / Full RB


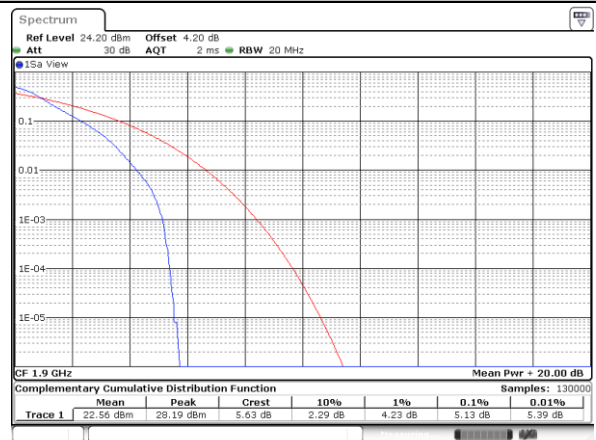
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Date: 24.NOV.2020 04:11:38

Highest Channel / Full RB
Highest Channel / Full RB


Date: 24.NOV.2020 04:12:38



Date: 24.NOV.2020 04:13:25

**26dB Bandwidth**

Mode	FR1 n2+5A : 26dB BW(MHz) / CP-OFDM							
BW	5MHz	5MHz	5MHz	5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	5.04	4.91	4.88	4.90				

Mode	FR1 n2+5A : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.89	9.87	9.85	9.95				

Mode	FR1 n2+5A : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.86	14.92	15.01	15.10				

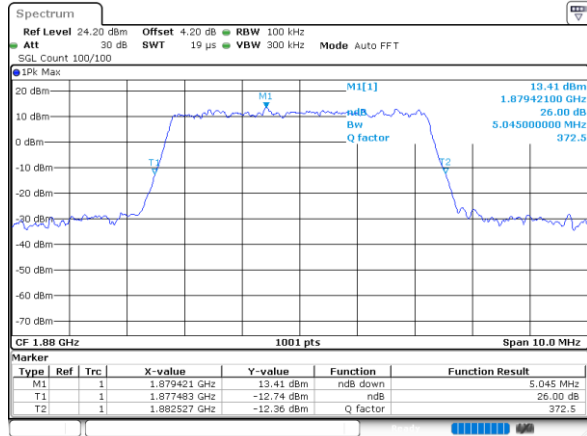
Mode	FR1 n2+5A : 26dB BW(MHz) / CP-OFDM							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	19.82	19.82	19.9	19.74				



FR1 n2+5A / 5MHz / CP-OFDM

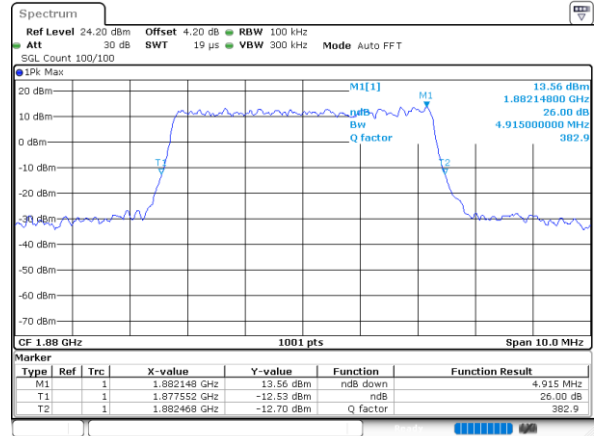
QPSK

Middle Channel



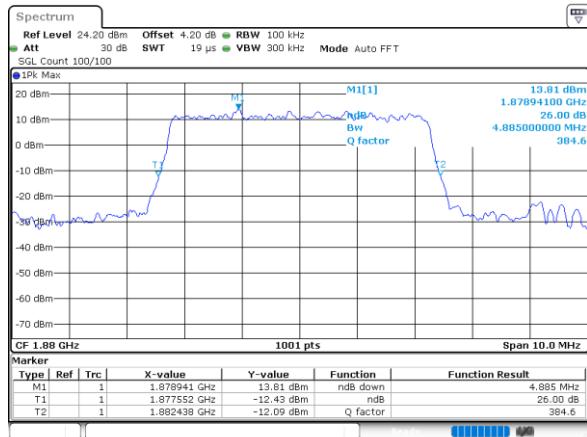
16QAM

Middle Channel



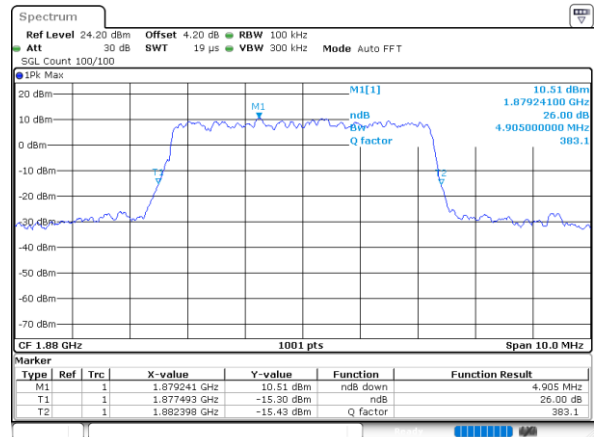
64QAM

Middle Channel



256QAM

Middle Channel

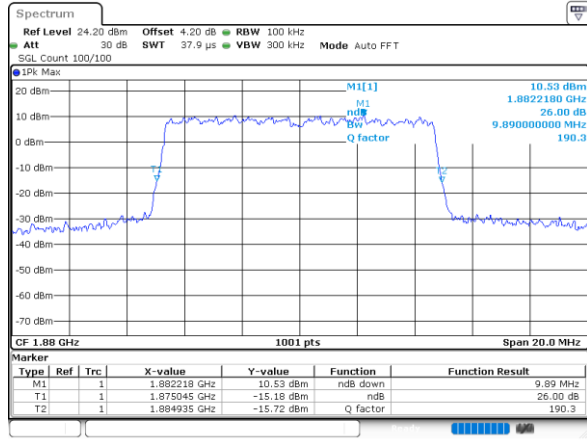




FR1 n2+5A / 10MHz / CP-OFDM

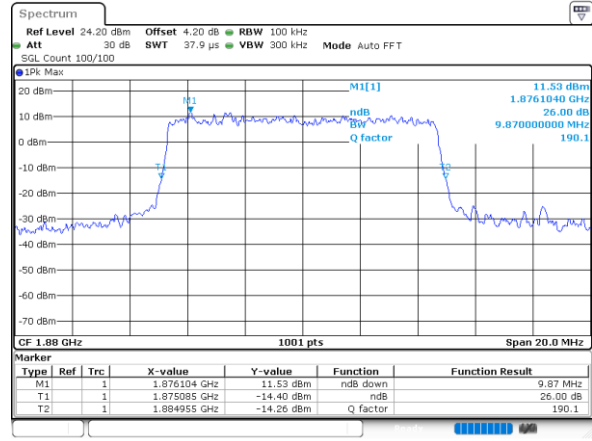
QPSK

Middle Channel



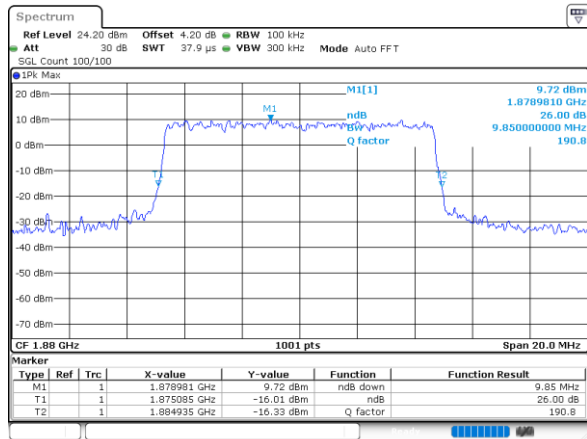
16QAM

Middle Channel



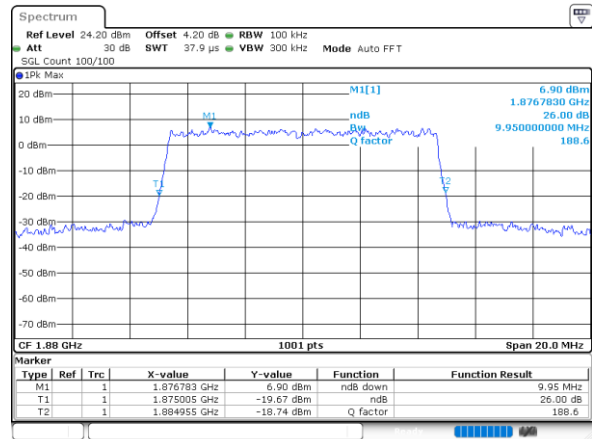
64QAM

Middle Channel



256QAM

Middle Channel

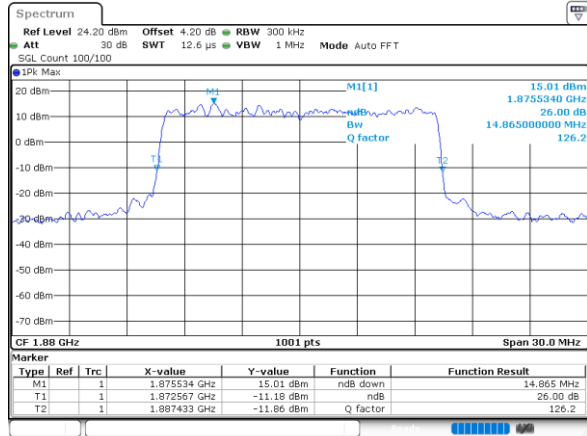




FR1 n2+5A / 15MHz / CP-OFDM

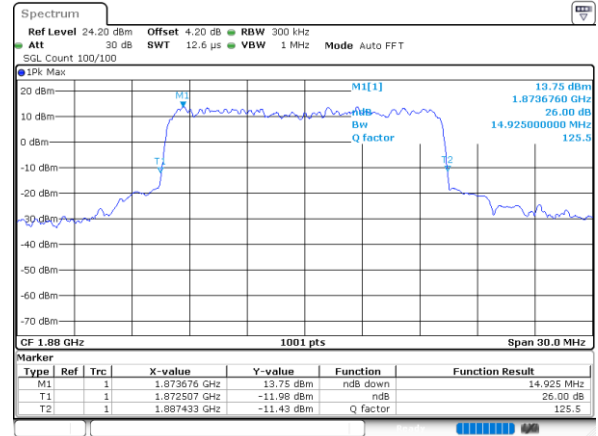
QPSK

Middle Channel



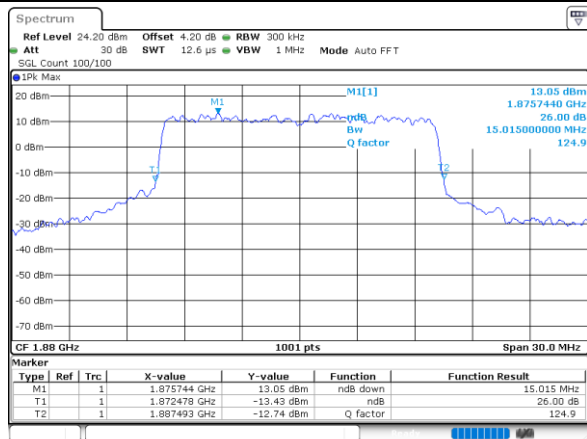
16QAM

Middle Channel



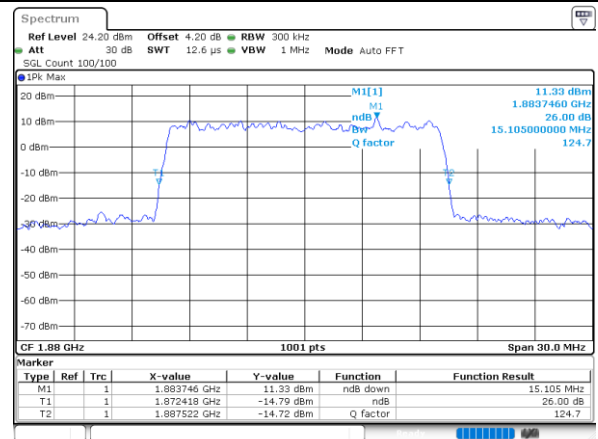
64QAM

Middle Channel



256QAM

Middle Channel

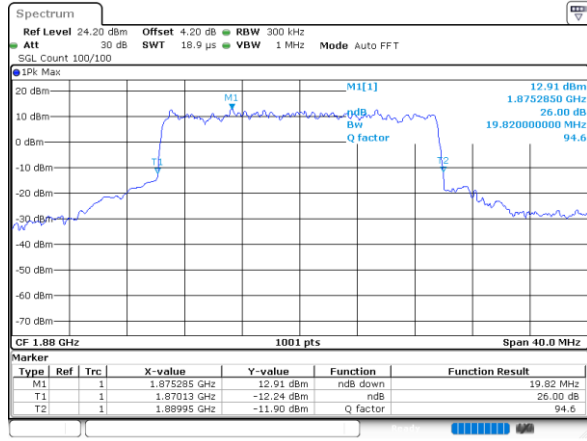




FR1 n2+5A / 20MHz / CP-OFDM

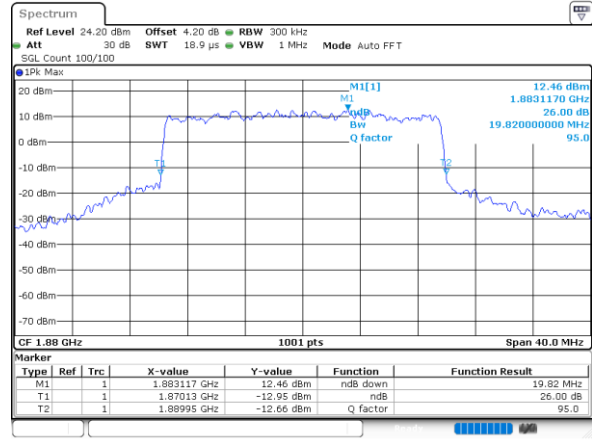
QPSK

Middle Channel



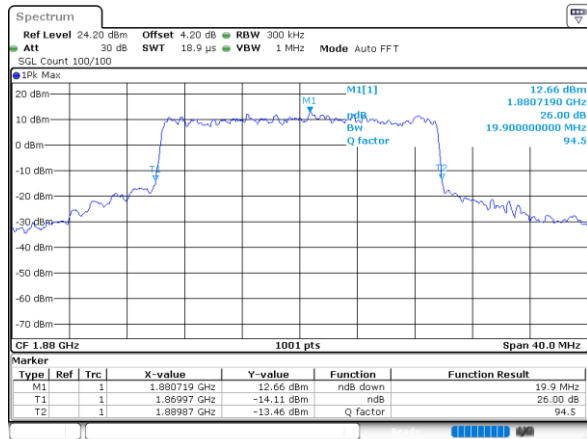
16QAM

Middle Channel



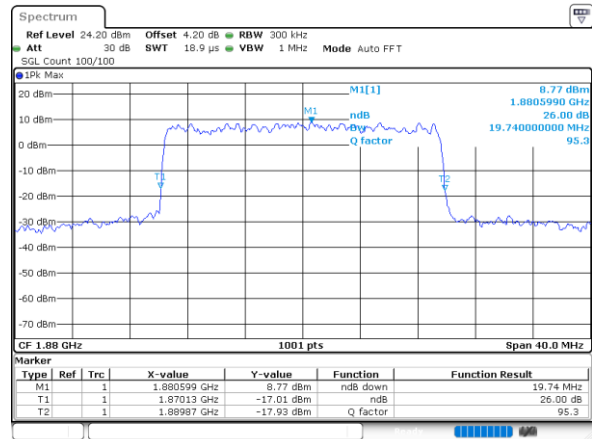
64QAM

Middle Channel



256QAM

Middle Channel



**Occupied Bandwidth**

Mode	FR1 n2+5A : OBW(MHz) / CP-OFDM							
BW	5MHz	5MHz	5MHz	5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	4.48	4.48	4.47	4.49				

Mode	FR1 n2+5A : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.27	9.27	9.25	9.29				

Mode	FR1 n2+5A : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.14	14.08	14.14	14.11				

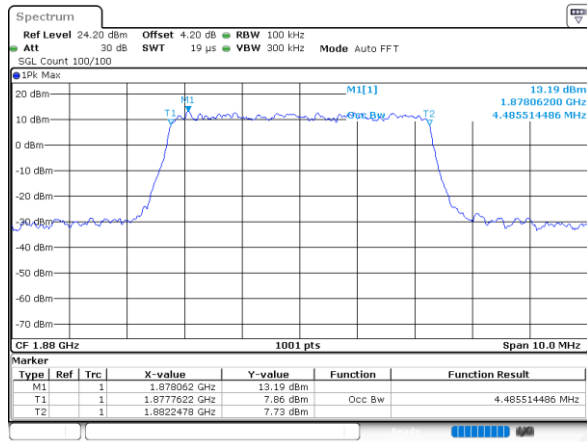
Mode	FR1 n2+5A : OBW(MHz) / CP-OFDM							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	18.94	18.9	18.98	18.86				



FR1 n2+5A / 5MHz / CP-OFDM

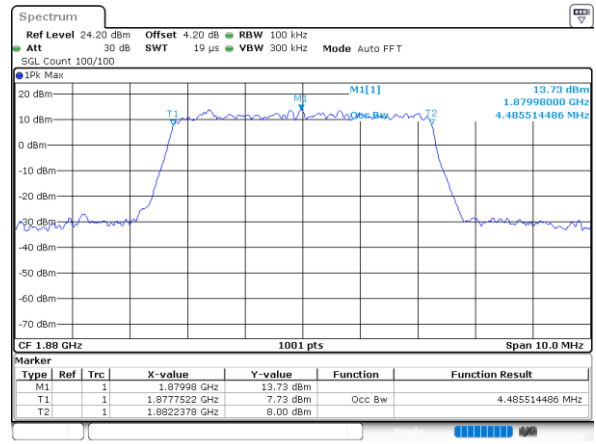
QPSK

Middle Channel



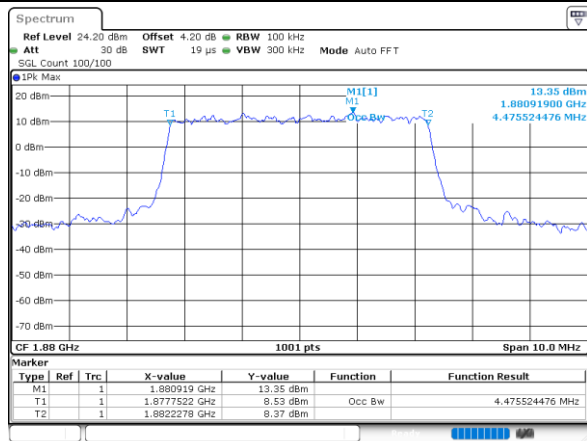
16QAM

Middle Channel



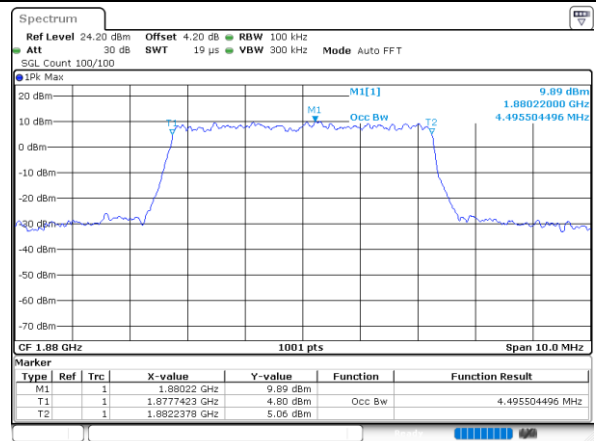
64QAM

Middle Channel



256QAM

Middle Channel

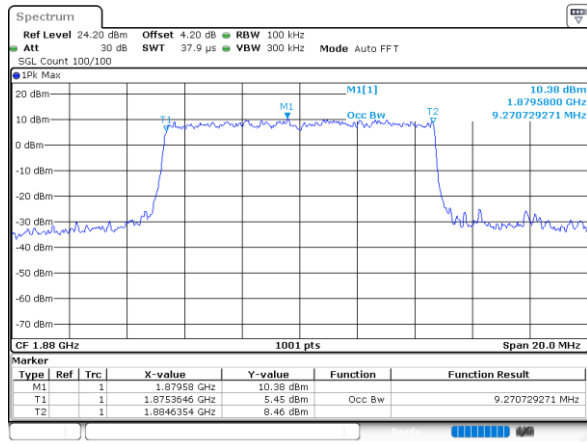




FR1 n2+5A / 10MHz / CP-OFDM

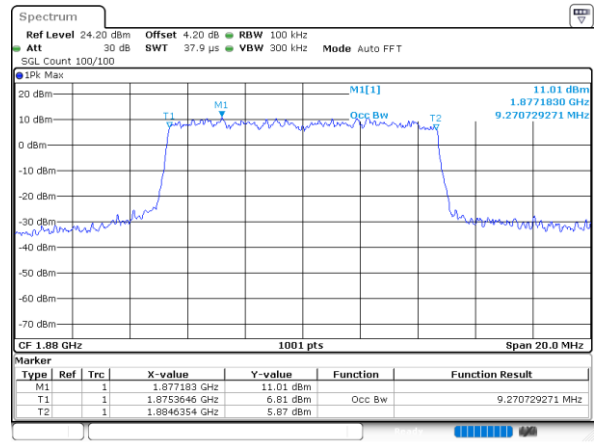
QPSK

Middle Channel



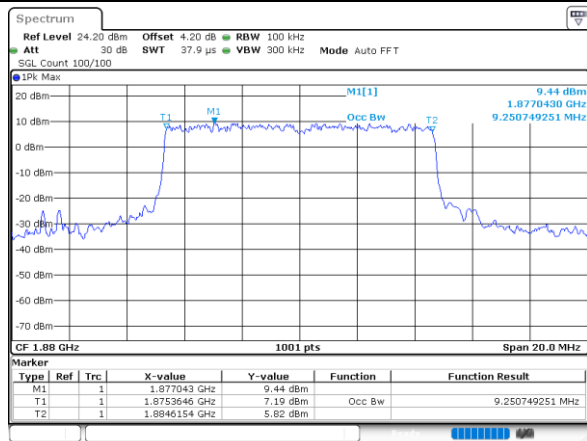
16QAM

Middle Channel



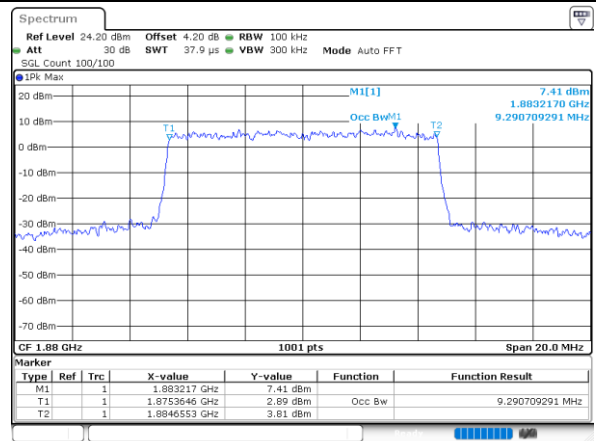
64QAM

Middle Channel



256QAM

Middle Channel

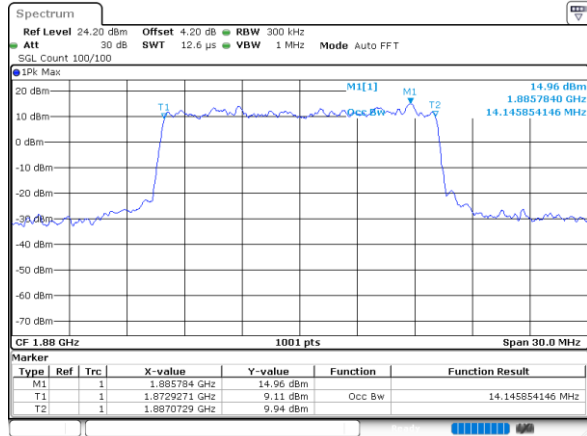




FR1 n2+5A / 15MHz / CP-OFDM

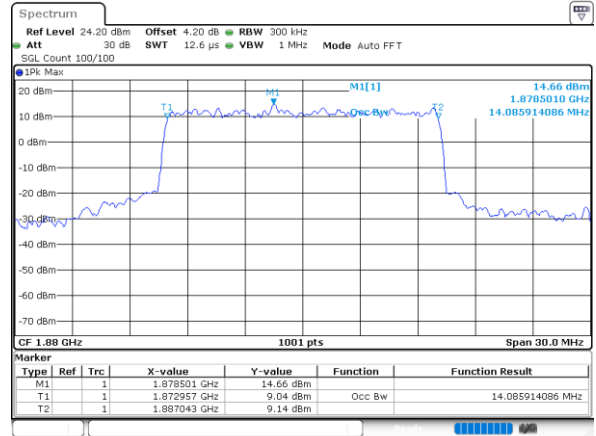
QPSK

Middle Channel



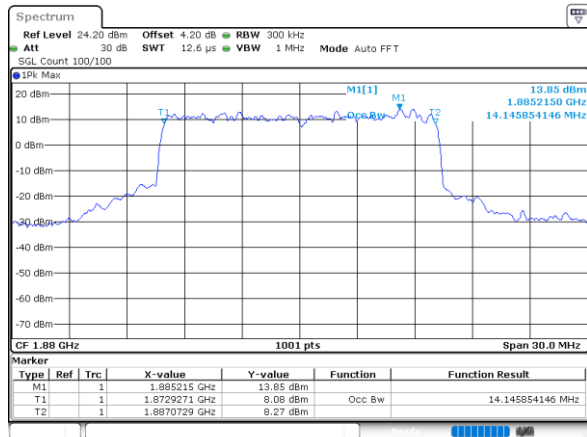
16QAM

Middle Channel



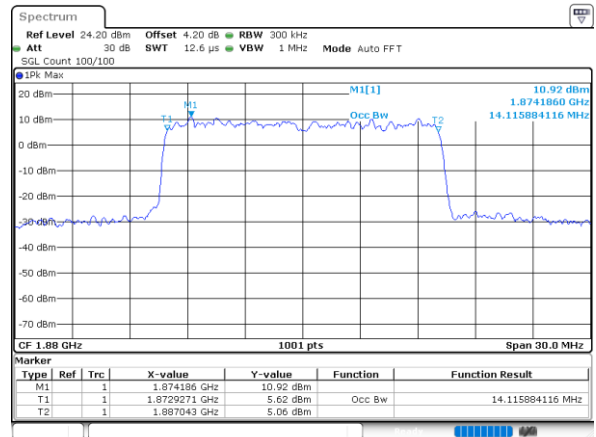
64QAM

Middle Channel



256QAM

Middle Channel

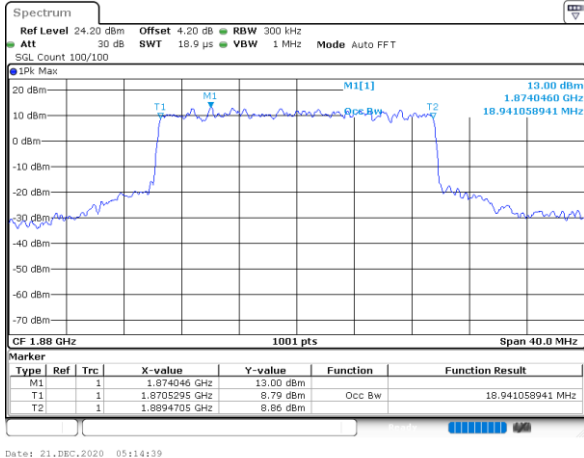




FR1 n2+5A / 20MHz / CP-OFDM

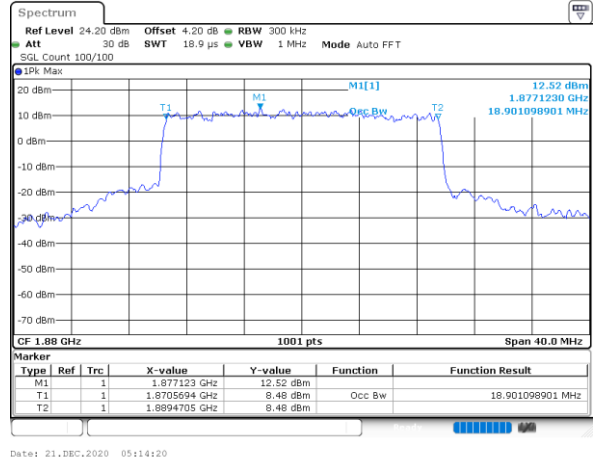
QPSK

Middle Channel



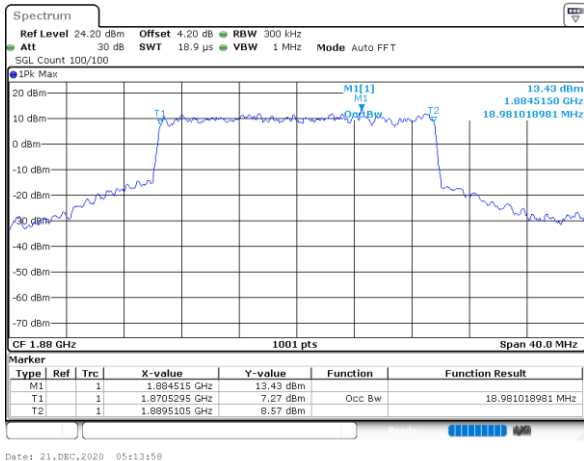
16QAM

Middle Channel



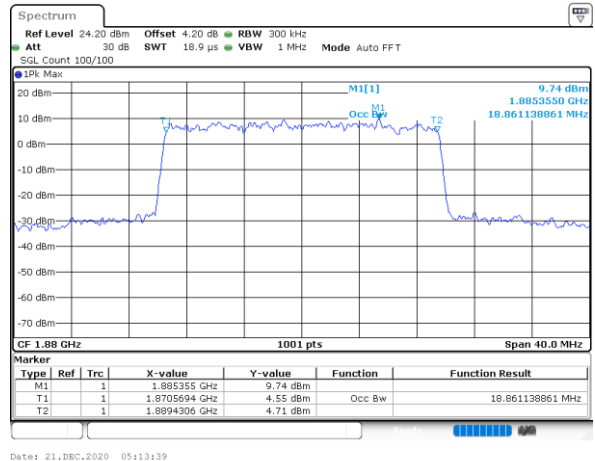
64QAM

Middle Channel



256QAM

Middle Channel

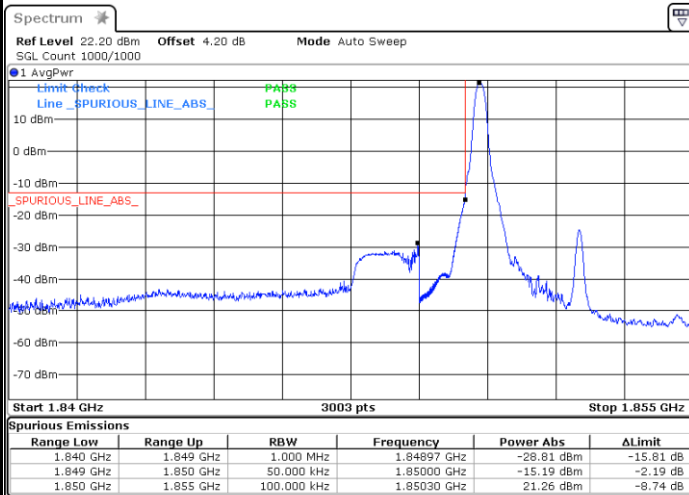




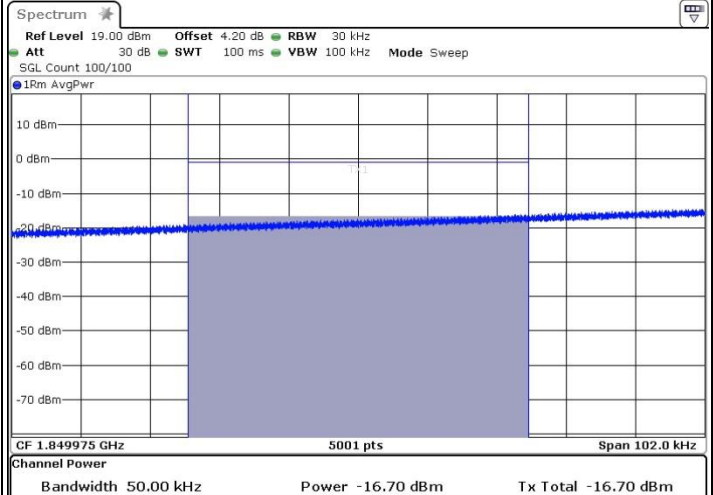
Conducted Band Edge

FR1 n2+5A / 5MHz / DFT-S OFDM BPSK

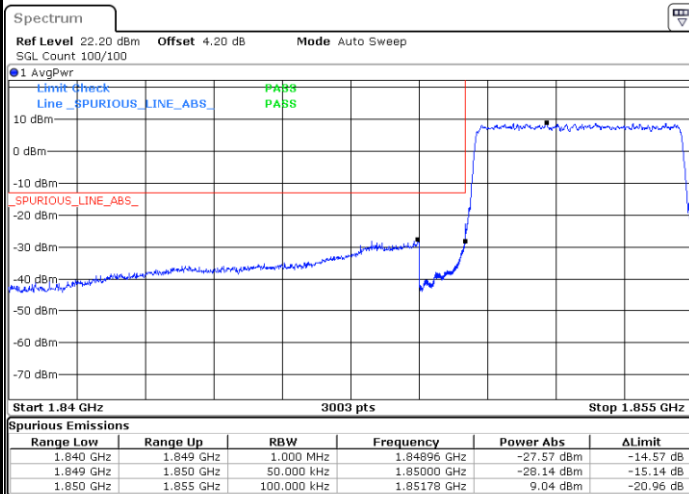
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



Channel Power < -13dBm Pass

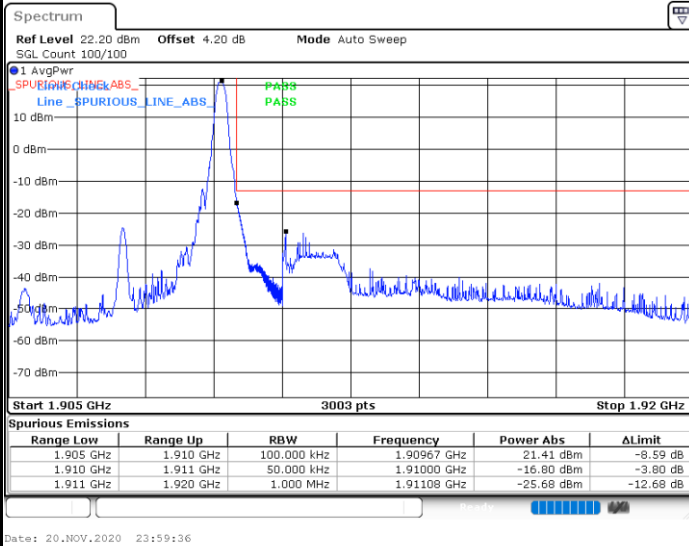
/



FR1 n2+5A / 5MHz / DFT-S OFDM BPSK

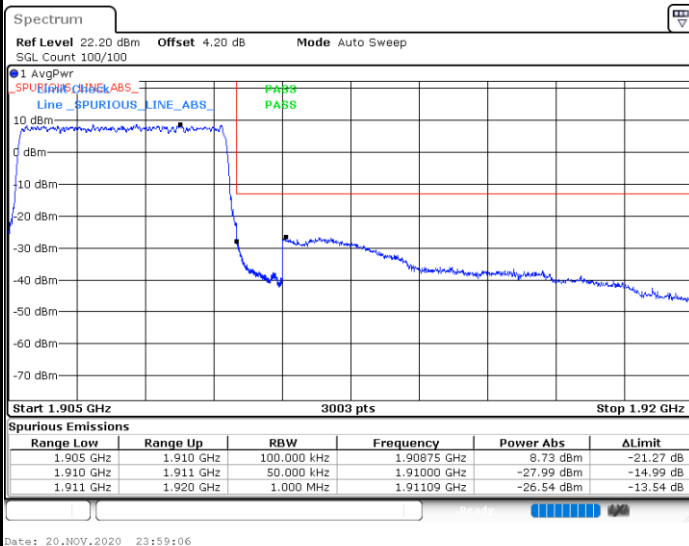
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

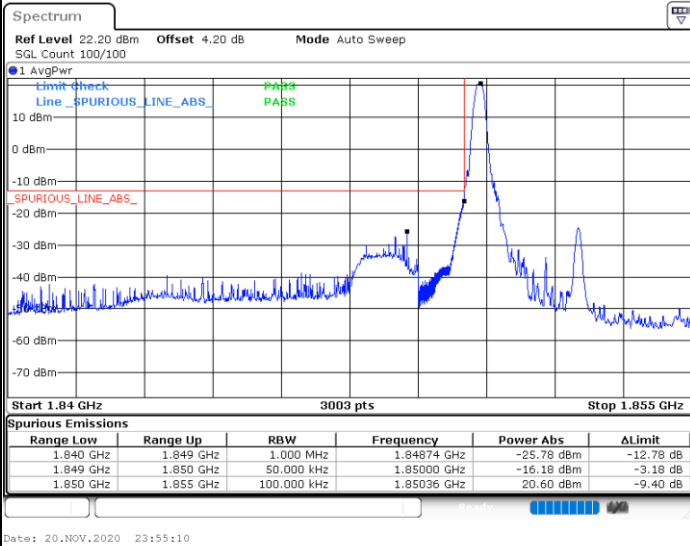




FR1 n2+5A / 5MHz / DFT-S OFDM QPSK

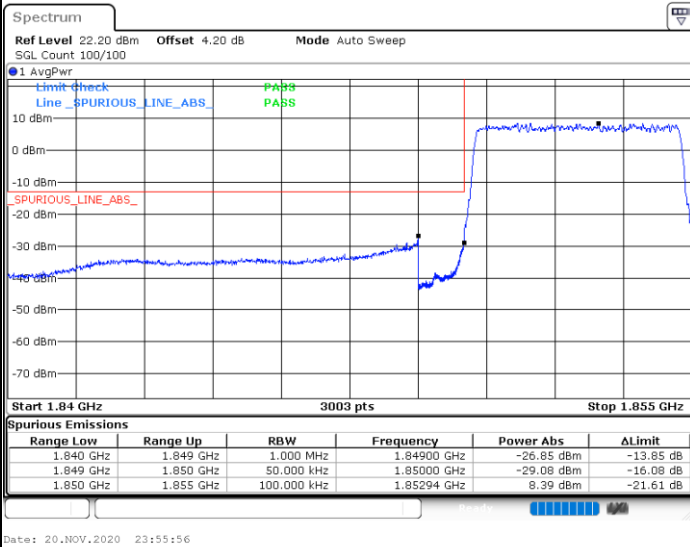
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

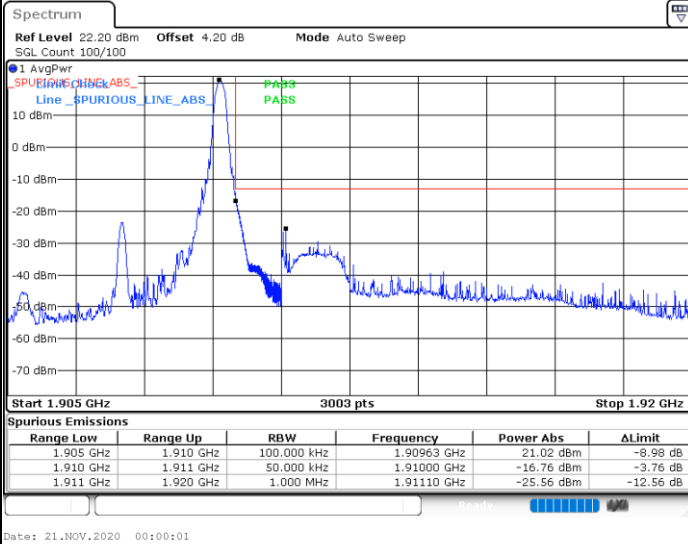




FR1 n2+5A / 5MHz / DFT-S OFDM QPSK

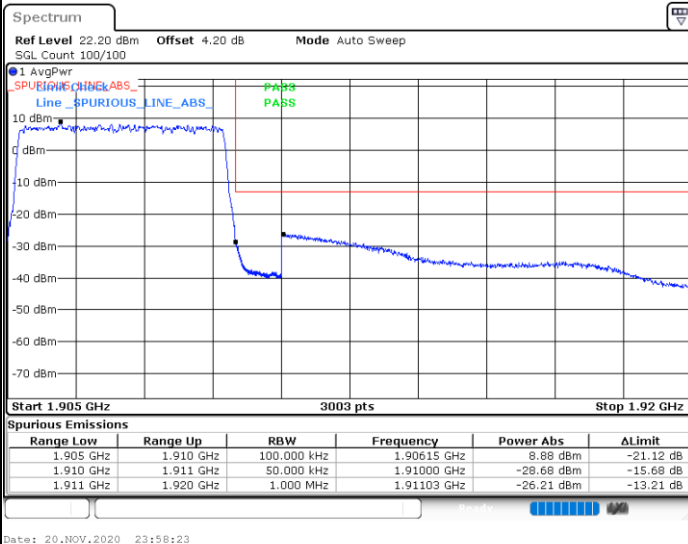
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

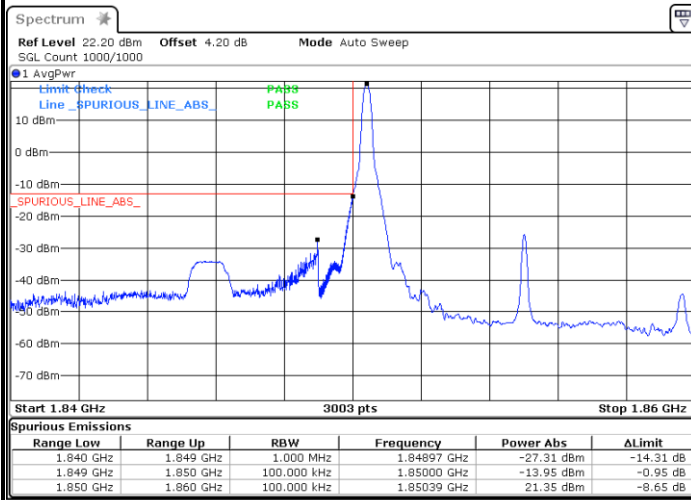
Channel Power < -13dBm Pass



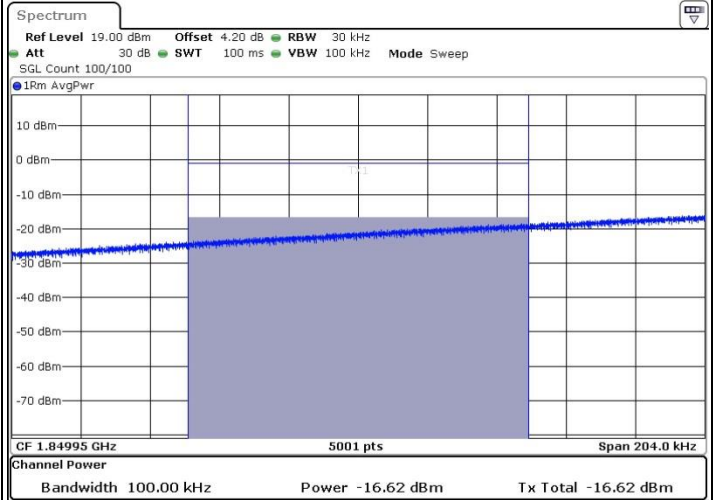


FR1 n2+5A / 10MHz / DFT-S OFDM BPSK

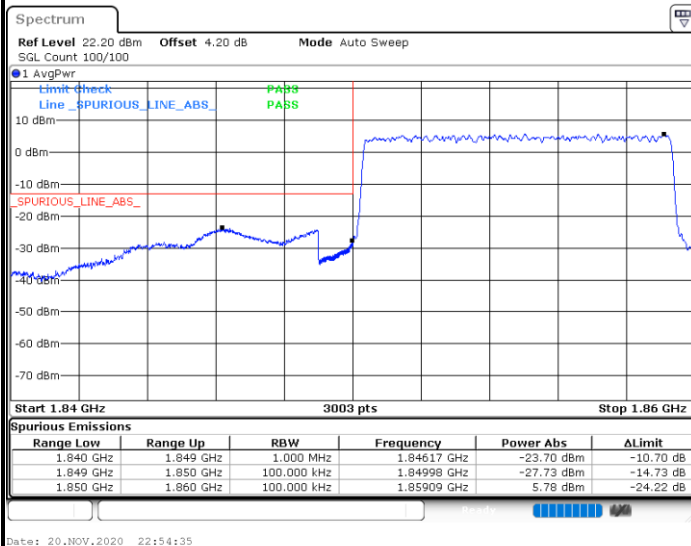
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



Channel Power < -13dBm Pass

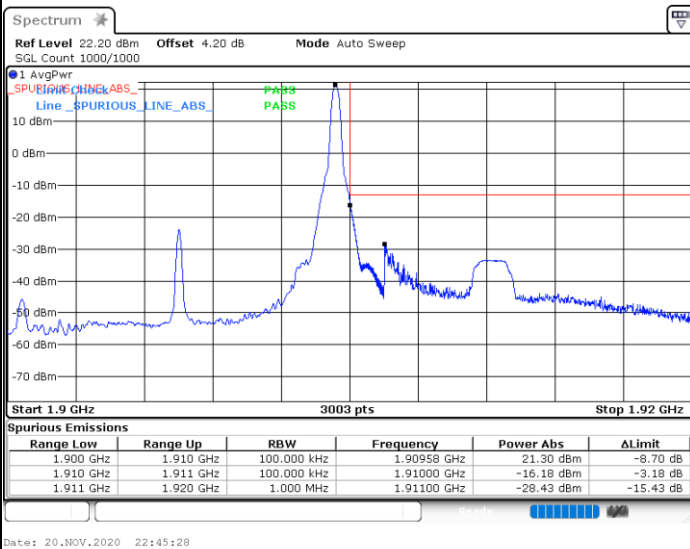
/



FR1 n2+5A / 10MHz / DFT-S OFDM BPSK

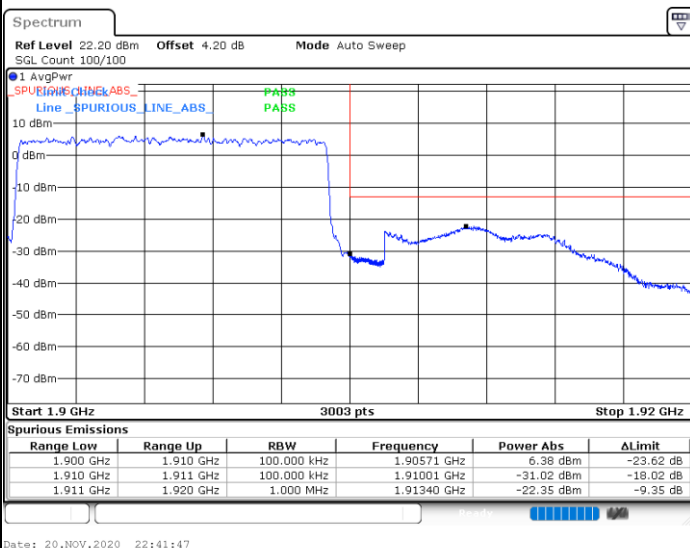
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

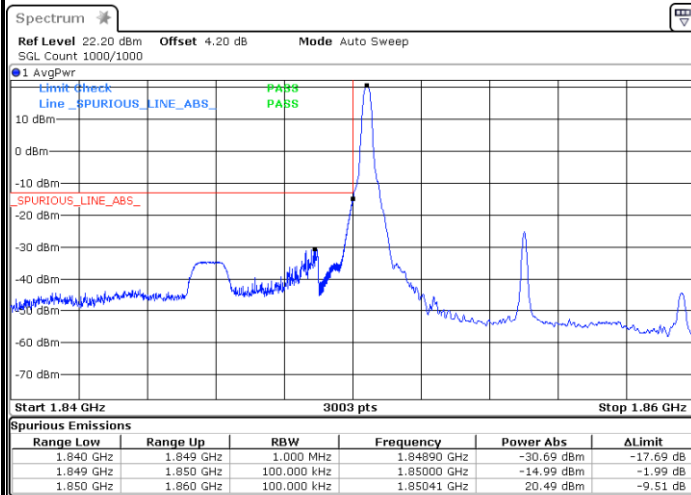
Channel Power < -13dBm Pass





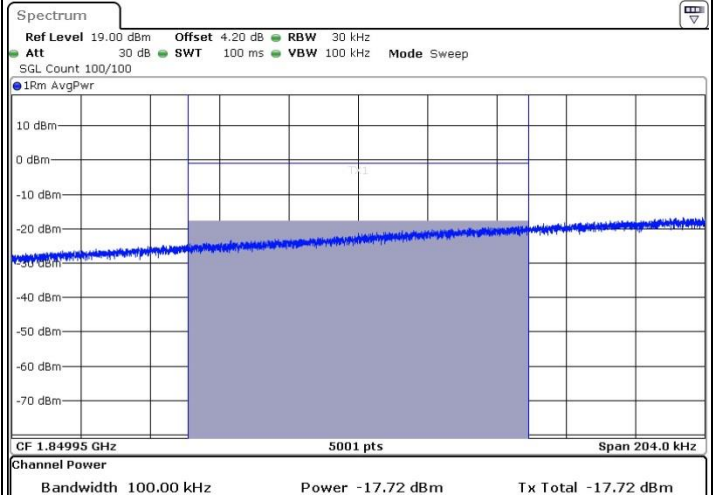
FR1 n2+5A / 10MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB



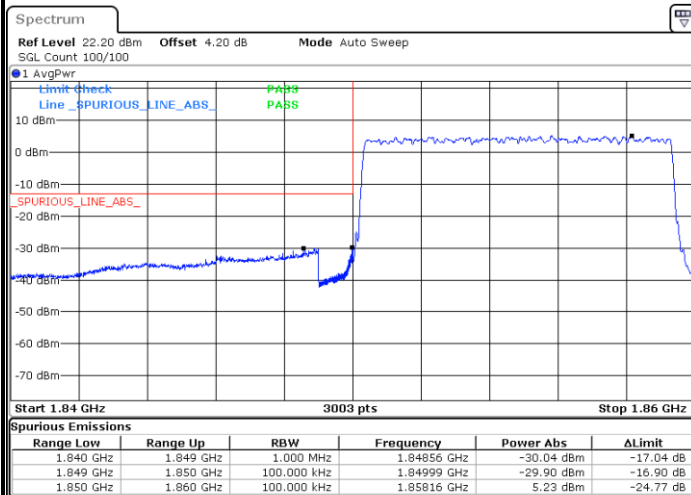
Date: 20.NOV.2020 22:56:52

Channel Power < -13dBm Pass



Date: 20.NOV.2020 22:57:50

Lowest Band Edge / Full RB



Date: 20.NOV.2020 22:55:24

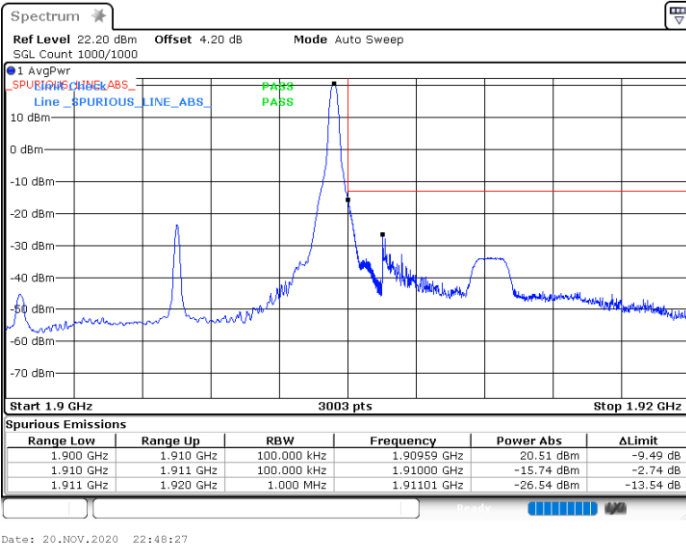
Channel Power < -13dBm Pass

/

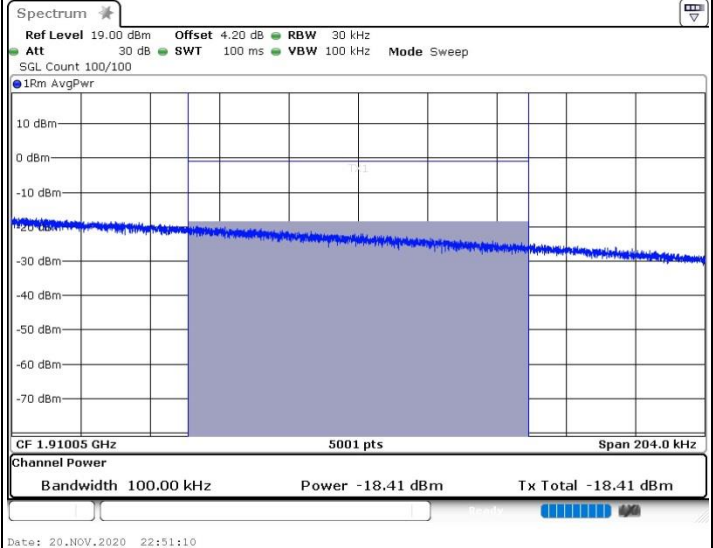


FR1 n2+5A / 10MHz / DFT-S OFDM QPSK

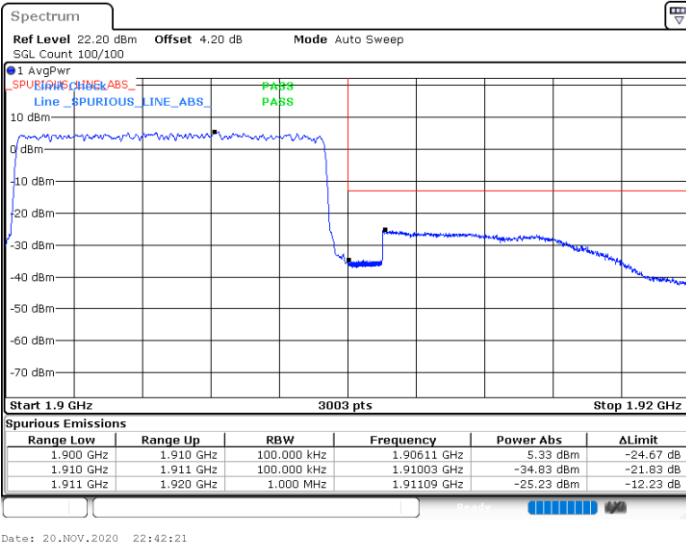
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass



Highest Band Edge / Full RB



Channel Power < -13dBm Pass

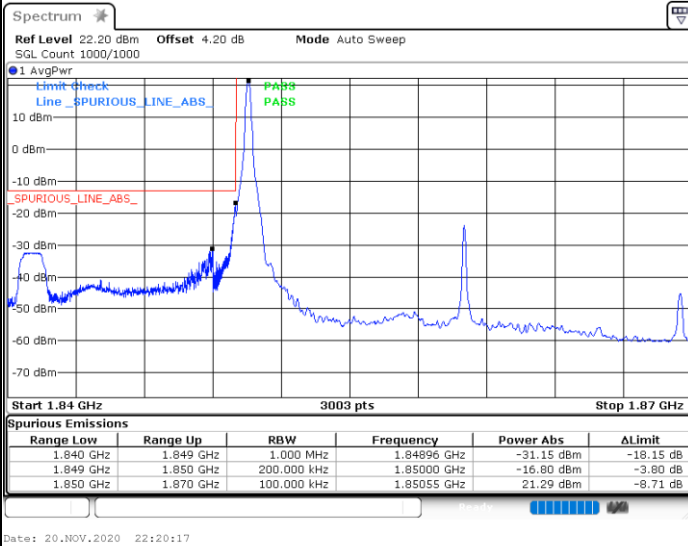
/



FR1 n2+5A / 20MHz / DFT-S OFDM BPSK

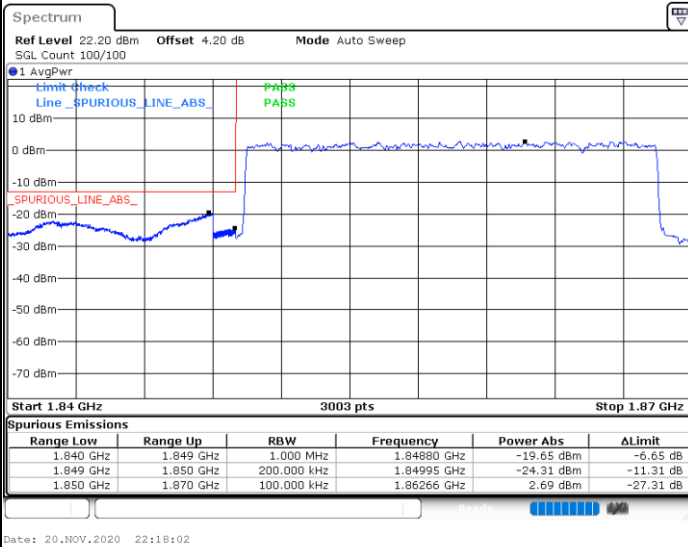
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

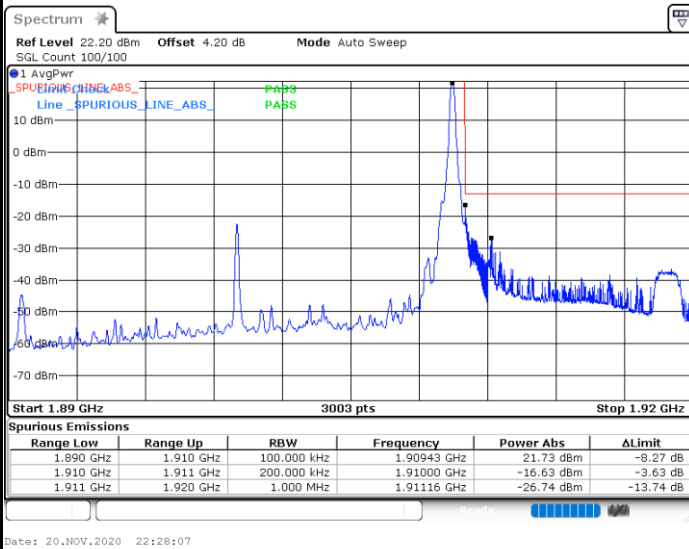




FR1 n2+5A / 20MHz / DFT-S OFDM BPSK

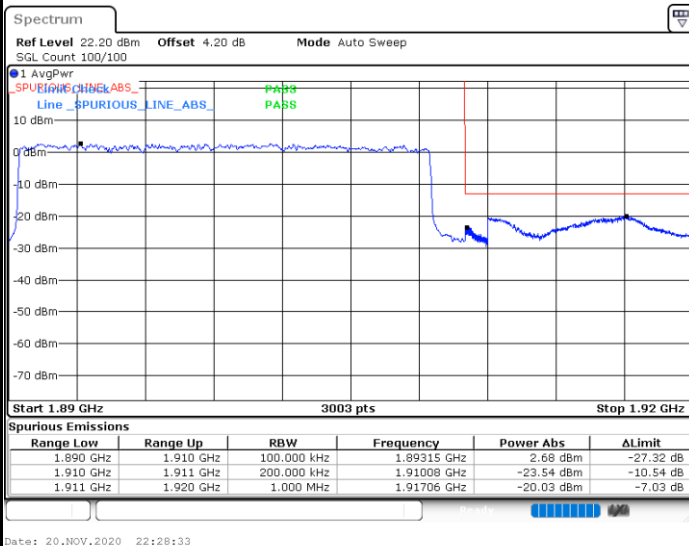
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

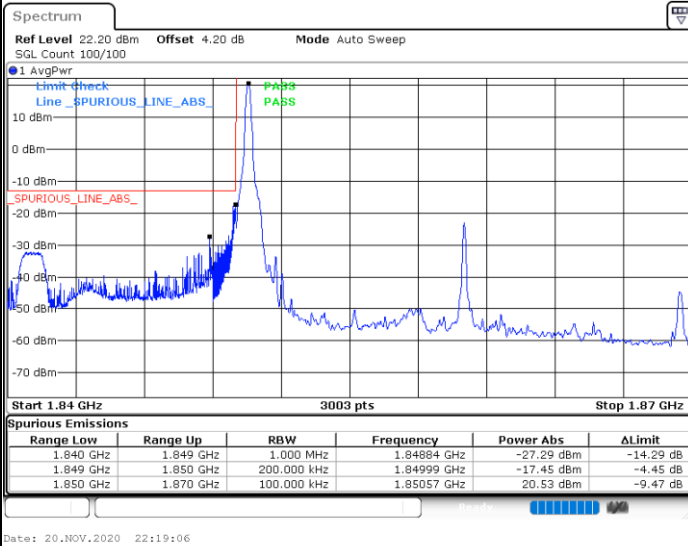




FR1 n2+5A / 20MHz / DFT-S OFDM QPSK

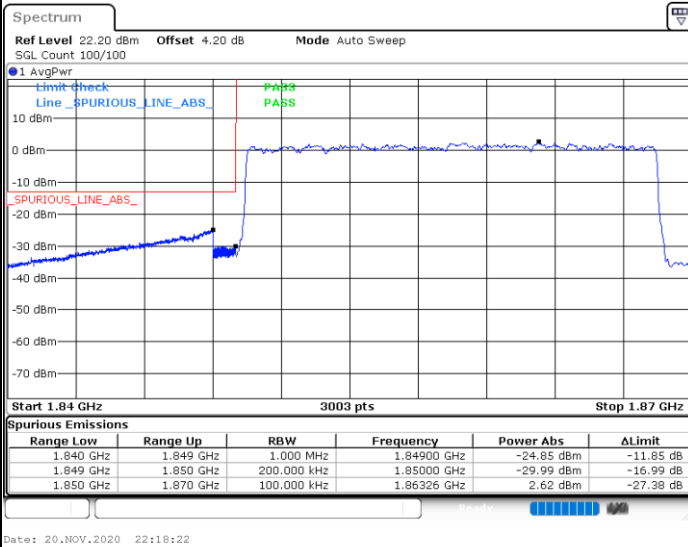
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

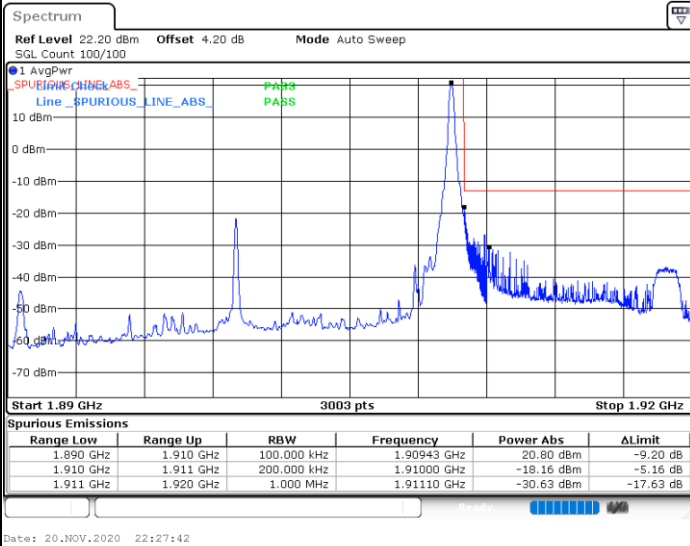




FR1 n2+5A / 20MHz / DFT-S OFDM QPSK

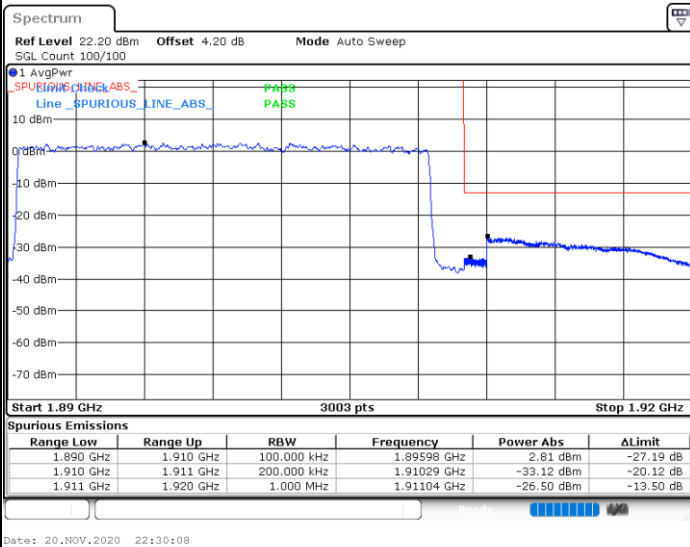
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass



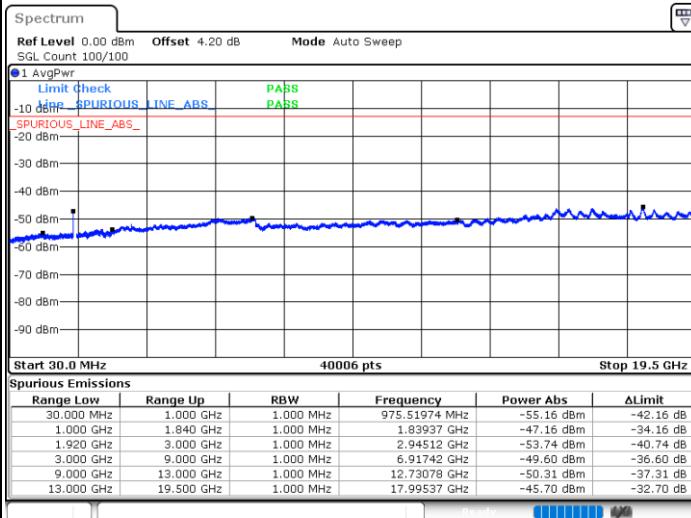


Conducted Spurious Emission

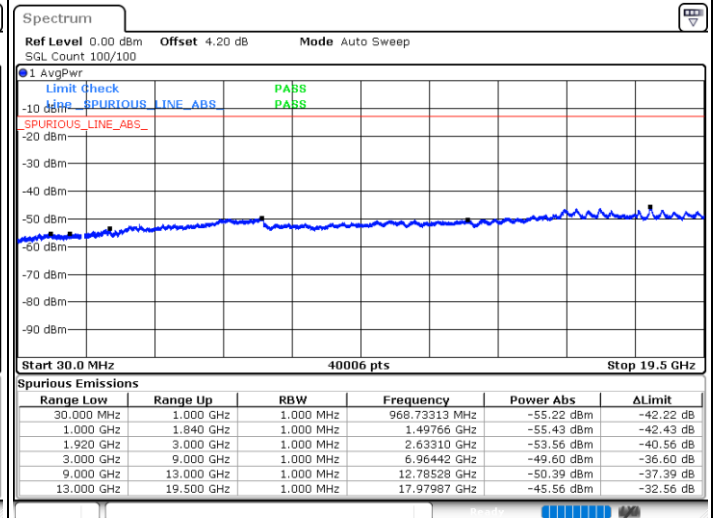
FR1 n2+5A / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

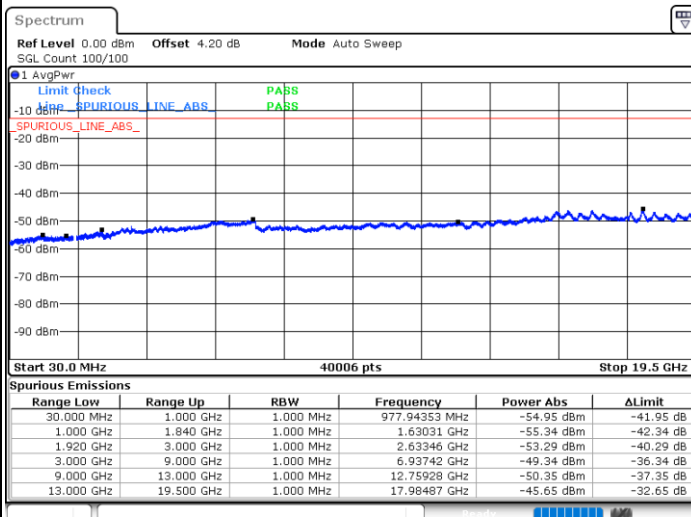


Date: 20.NOV.2020 23:33:33



Date: 20.NOV.2020 23:29:35

Highest Channel / 1RB



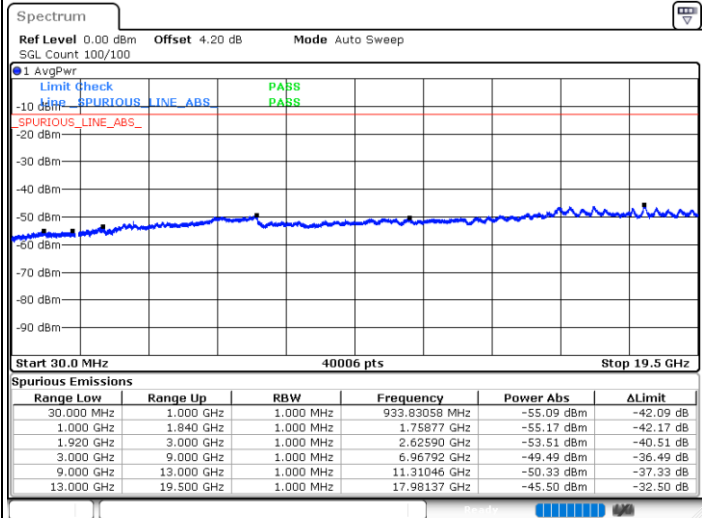
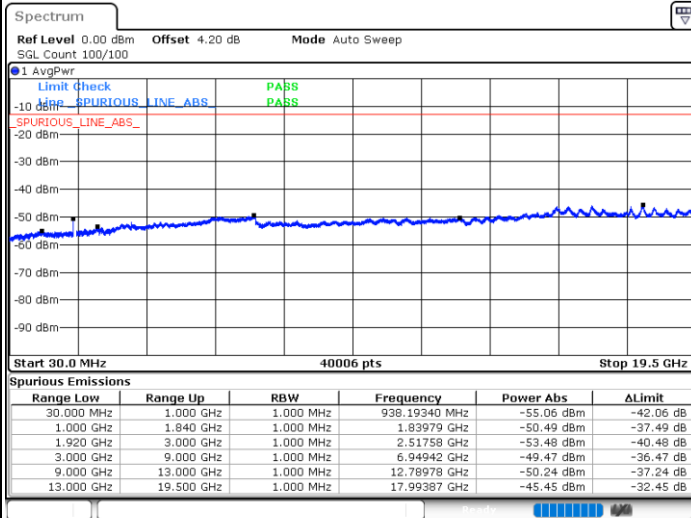
Date: 20.NOV.2020 23:23:24



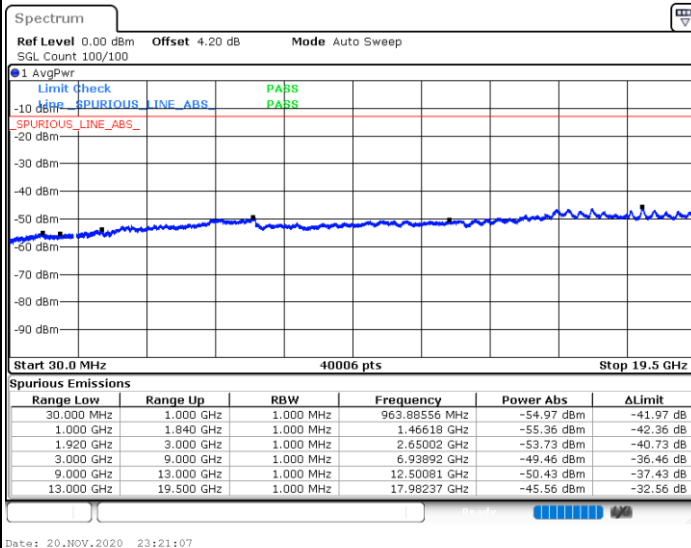
FR1 n2+5A / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB



Highest Channel / 1RB

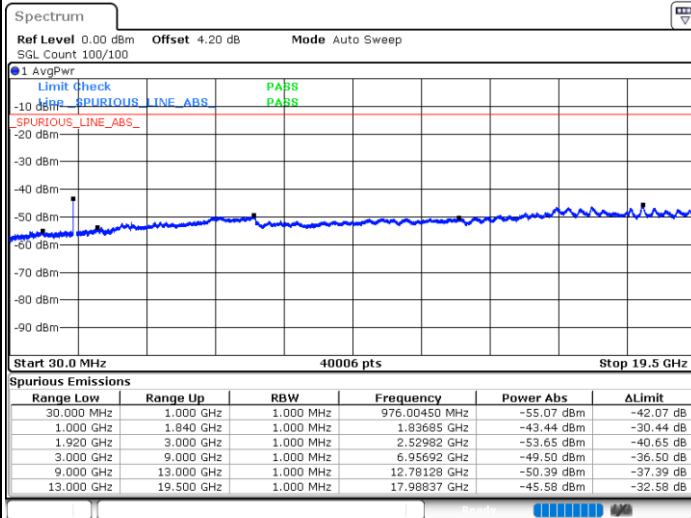




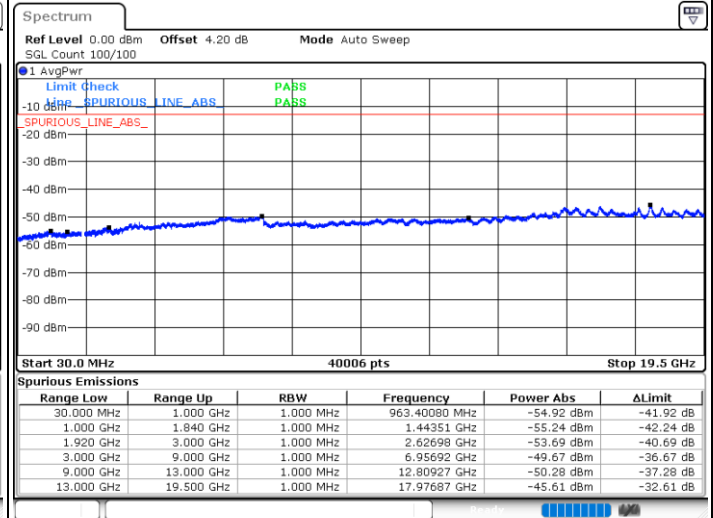
FR1 n2+5A / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

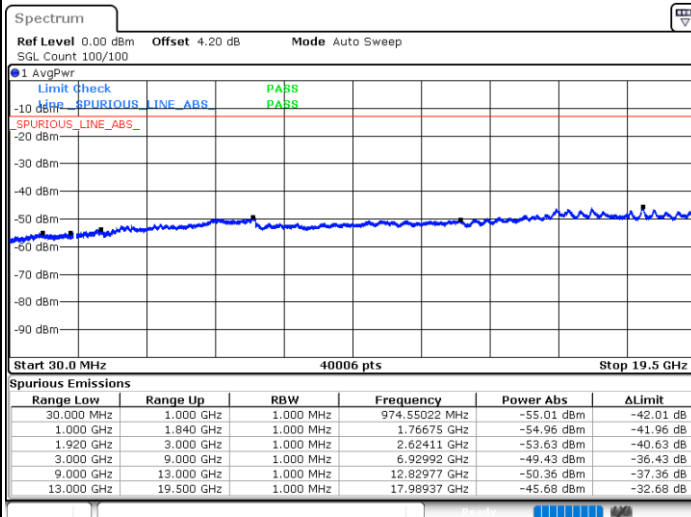


Date: 20.NOV.2020 23:03:28



Date: 20.NOV.2020 23:11:45

Highest Channel / 1RB



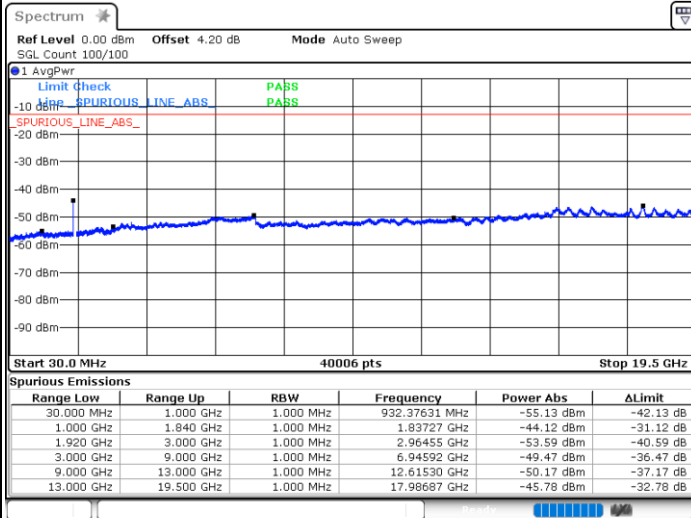
Date: 20.NOV.2020 23:12:30



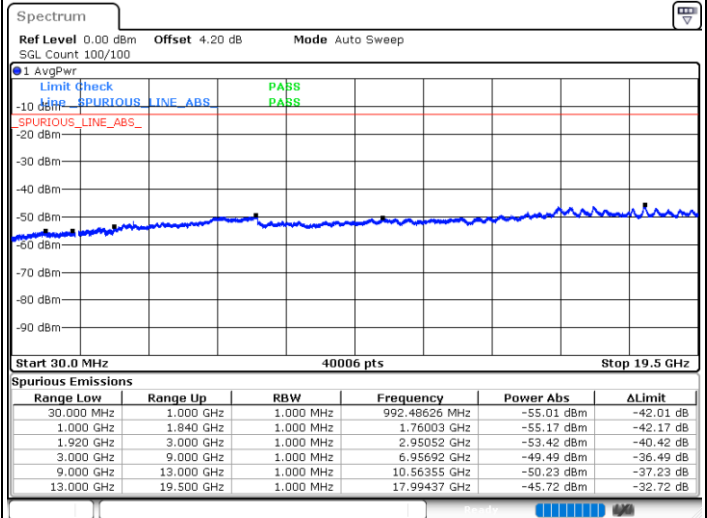
FR1 n2+5A / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

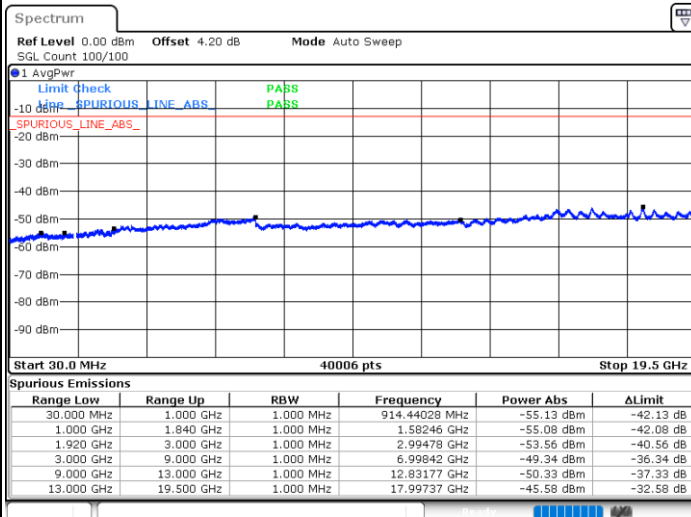


Date: 20.NOV.2020 23:04:35



Date: 20.NOV.2020 23:11:01

Highest Channel / 1RB

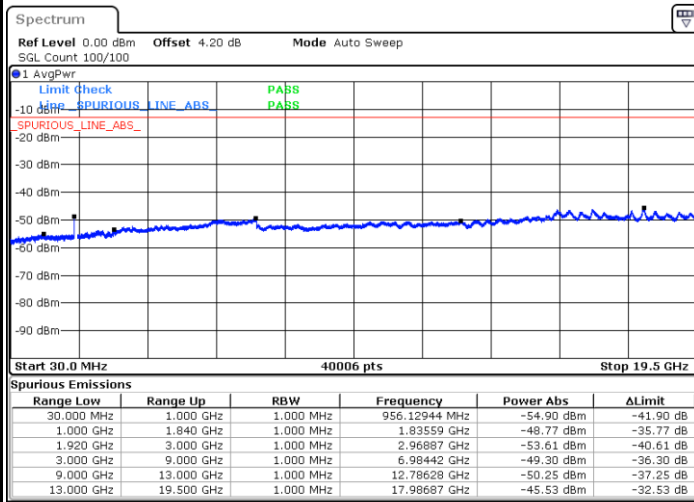


Date: 20.NOV.2020 23:19:14



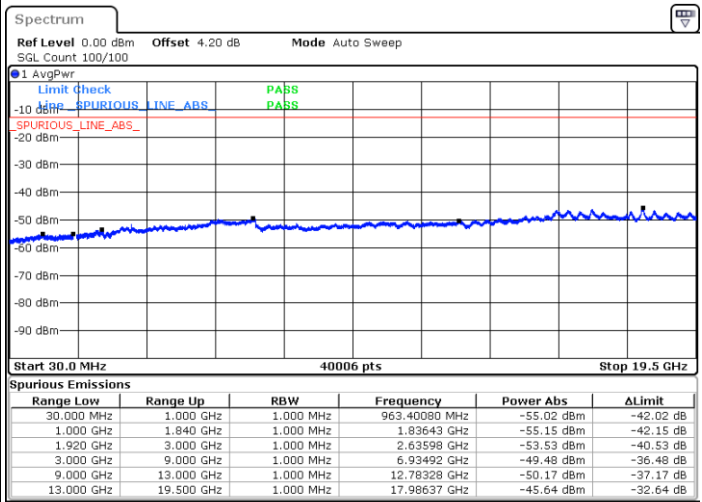
FR1 n2+5A / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



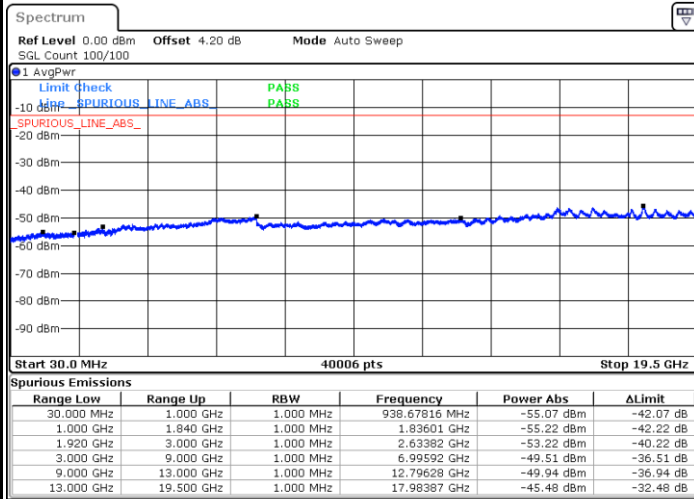
Date: 20.NOV.2020 22:21:12

Middle Channel / 1RB



Date: 20.NOV.2020 22:24:47

Highest Channel / 1RB

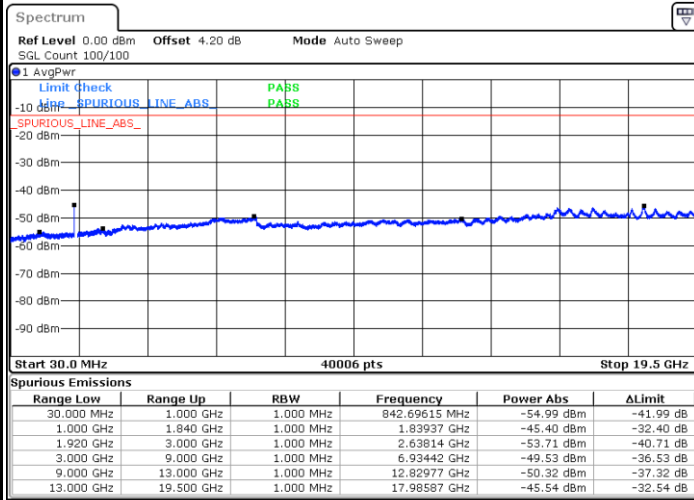


Date: 20.NOV.2020 22:26:29



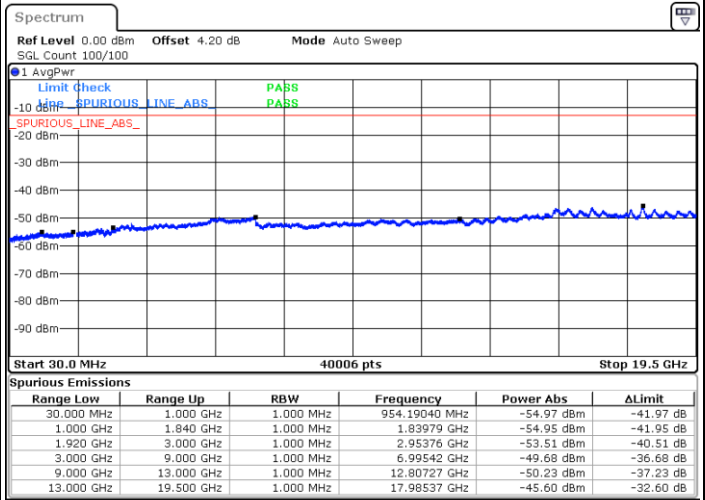
FR1 n2+5A / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



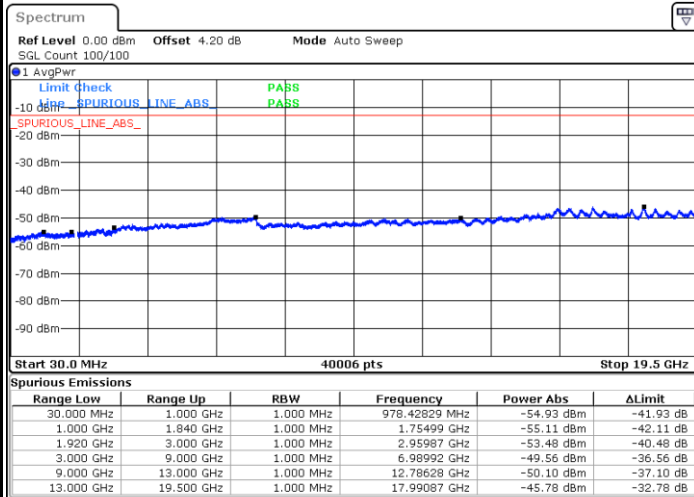
Date: 20.NOV.2020 22:22:54

Middle Channel / 1RB



Date: 20.NOV.2020 22:24:02

Highest Channel / 1RB



Date: 20.NOV.2020 22:27:13

**Frequency Stability**

Test Conditions		NR n2+5A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



SA

Peak-to-Average Ratio

Mode	FR1 n2 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.97	4.03	5.97	5.04	PASS
Middle CH	4.03	3.68	6.06	5.1	
Highest CH	4	3.74	6.03	5.1	