



FCC RF Test Report

APPLICANT : OnePlus Technology (Shenzhen) Co., Ltd
EQUIPMENT : Smart Phone
BRAND NAME : ONEPLUS
MODEL NAME : IN2025
FCC ID : 2ABZ2-EE007
STANDARD : 47 CFR Part 2, 22, 24, 27
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

The product was received on Nov. 20, 2019 and completely tested on Mar. 04, 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



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People's Republic of China



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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		
	§27.50(c)(10)	Effective Radiated Power (5G NR n71)	ERP < 3 Watt		
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n2) (5G NR n41)	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(g)	Conducted Band Edge Measurement (5G NR n2) (5G NR n5) (5G NR n66) (5G NR n71)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (5G NR n41)	§27.53(m)(4)		
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(g)	Conducted Spurious Emission (5G NR n2) (5G NR n5) (5G NR n66) (5G NR n71)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (5G NR n41)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(g)	Radiated Spurious Emission (5G NR n2) (5G NR n5) (5G NR n66) (5G NR n71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 25.51 dB at 2444.250 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (5G NR n41)	< 55+10log ₁₀ (P[Watts])		



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	IN2025
FCC ID	2ABZ2-EE007
EUT supports Radios application	CDMA/GSM/WCDMA/LTE/5G NR WLAN 2.4GHz 802.11b/g/n (HT20) WLAN 2.4GHz 802.11ax (HE20/HE40) WLAN 5GHz 802.11a/n/ac (HT20/HT40/VHT20/VHT40/VHT80) WLAN 5GHz 802.11ax (HE20/HE40/HE80) Bluetooth BR / EDR / LE GNSS/NFC/WPC(Qi)
IMEI Code	Conducted : N/A Radiation : 865422040066037/865422040066029 for 5G NR n2,n66 865422040066094 for 5G NR n5,n71 001003959980015/001003959980015 for 5G NR n41
HW Version	15
SW Version	Oxygen OS 10.5.IN11AA
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: 1852.5 MHz ~ 1907.5 MHz 5G NR n5: 826.5 MHz ~ 846.5 MHz 5G NR n41: 2506 MHz ~ 2680 MHz 5G NR n66: 1712.5 MHz ~ 1777.5 MHz 5G NR n71: 665.5 MHz ~ 695.5MHz
Rx Frequency	5G NR n2: 1932.5 MHz ~ 1987.5 MHz 5G NR n5: 871.5 MHz ~ 891.5 MHz 5G NR n41: 2506 MHz ~ 2680 MHz 5G NR n66: 2112.5 MHz~ 2197.5 MHz 5G NR n71: 619.5 MHz ~ 649.5MHz
Bandwidth	n2, n5, n66, n71: 5MHz / 10MHz / 15MHz / 20MHz n41 : 20MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz
Maximum Output Power to Antenna	Top Antenna: EN-DC_5A_n2A : 21.56 dBm EN-DC_12A_n2A : 21.56 dBm EN-DC_2A_n5A : 23.06 dBm EN-DC_66A_n5A : 22.55 dBm EN-DC_26A_n41A : 21.64 dBm EN-DC_5A_n66A : 21.55 dBm EN-DC_12A_n66A : 21.43 dBm EN-DC_13A_n66A : 21.41 dBm EN-DC_2A_n71A : 23.28 dBm EN-DC_66A_n71A : 23.46 dBm Bottom Antenna: EN-DC_5A_n2A : 22.85 dBm EN-DC_12A_n2A : 22.88 dBm EN-DC_2A_n5A : 23.20 dBm EN-DC_66A_n5A : 22.74 dBm EN-DC_2A_n41A : 24.46 dBm EN-DC_3A_n41A : 24.42 dBm EN-DC_25A_n41A : 24.23 dBm EN-DC_26A_n41A : 23.17 dBm EN-DC_39A_n41A : 24.48 dBm EN-DC_41A_n41A : 26.88 dBm EN-DC_(n)41AA : 26.90 dBm EN-DC_66A_n41A : 24.34 dBm EN-DC_5A_n66A : 23.50 dBm EN-DC_12A_n66A : 23.31 dBm EN-DC_13A_n66A : 23.29 dBm EN-DC_2A_n71A : 23.89 dBm EN-DC_66A_n71A : 24.18 dBm
Antenna Gain	n2 / n5 / n41 / n66 / n71 : -2.00 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	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1852.5 ~ 1907.5	4M50F9W	0.1055	4M49G7D	0.1051
10	1855.0 ~ 1905.0	9M07F9W	0.1155	9M19G7D	0.1163
20	1860.0 ~ 1900.0	17M9F9W	0.1217	17M9G7D	0.1217
Frequency Tolerance (ppm)		0.0023			

5G NR n2 (EN DC_12A-n2A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1852.5 ~ 1907.5	4M54F9W	0.1083	4M50G7D	0.1086
10	1855.0 ~ 1905.0	9M03F9W	0.1205	9M09G7D	0.1224
20	1860.0 ~ 1900.0	18M2F9W	0.1178	18M0G7D	0.1159
Frequency Tolerance (ppm)		-			

5G NR n5 (EN DC_66A-n5A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	826.5 ~ 846.5	4M69F9W	0.1045	4M49G7D	0.1056
10	829.0 ~ 844.0	9M11F9W	0.1091	9M21G7D	0.1117
20	834.0 ~ 839.0	17M9F9W	0.1186	18M1G7D	0.1155
Frequency Tolerance (ppm)		-			

5G NR n5 (EN DC_2A-n5A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	826.5 ~ 846.5	4M73F9W	0.1100	4M70G7D	0.1099
10	829.0 ~ 844.0	9M05F9W	0.1308	9M11G7D	0.1136
20	834.0 ~ 839.0	18M1F9W	0.1319	18M0G7D	0.1308
Frequency Tolerance (ppm)		0.0023			



5G NR n41 (EN DC_2A-n41A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	17M9F9W	0.1638	17M9G7D	0.1671
60	2526.00 ~ 2659.98	58M1F9W	0.1586	58M0G7D	0.1594
100	2546.01 ~ 2640.00	96M7F9W	0.1704	96M7G7D	0.1764
Frequency Tolerance (ppm)		0.0016			

5G NR n41 (EN DC_3A-n41A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	18M0F9W	0.1499	17M9G7D	0.1520
60	2526.00 ~ 2659.98	58M1F9W	0.1460	58M3G7D	0.1465
100	2546.01 ~ 2640.00	96M9F9W	0.1712	96M1G7D	0.1745
Frequency Tolerance (ppm)		-			

5G NR n41 (EN DC_25A-n41A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	17M9F9W	0.1498	17M9G7D	0.1519
60	2526.00 ~ 2659.98	58M3F9W	0.1453	58M0G7D	0.1460
100	2546.01 ~ 2640.00	96M9F9W	0.1559	96M5G7D	0.1670
Frequency Tolerance (ppm)		-			

5G NR n41 (EN DC_26A-n41A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	17M8F9W	0.1309	17M9G7D	0.1306
60	2526.00 ~ 2659.98	58M1F9W	0.1214	58M0G7D	0.1235
100	2546.01 ~ 2640.00	96M9F9W	0.1296	96M5G7D	0.1289
Frequency Tolerance (ppm)		-			



5G NR n41 (EN DC_39A-n41A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	17M9F9W	0.1681	17M9G7D	0.1680
60	2526.00 ~ 2659.98	58M5F9W	0.1622	58M1G7D	0.1637
100	2546.01 ~ 2640.00	96M9F9W	0.1726	96M3G7D	0.1770
Frequency Tolerance (ppm)		-			

5G NR n41 (EN DC_41A-n41A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	17M8F9W	0.2936	17M9G7D	0.2931
60	2526.00 ~ 2659.98	58M1F9W	0.2971	58M0G7D	0.2976
100	2546.01 ~ 2640.00	97M1F9W	0.3067	95M7G7D	0.3075
Frequency Tolerance (ppm)		-			

5G NR n41 (EN DC_(n)41AA)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	37M7F9W	0.2843	38M0G7D	0.2941
60	2526.00 ~ 2659.98	77M2F9W	0.2949	77M2G7D	0.3040
100	2546.01 ~ 2640.00	115M7F9W	0.3040	116M5G7D	0.3087
Frequency Tolerance (ppm)		-			

5G NR n41 (EN DC_66A-n41A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	18M0F9W	0.1638	17M9G7D	0.1672
60	2526.00 ~ 2659.98	58M1F9W	0.1586	58M0G7D	0.1593
100	2546.01 ~ 2640.00	96M5F9W	0.1692	96M1G7D	0.1716
Frequency Tolerance (ppm)		-			



5G NR n66 (EN DC_5A-n66A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1712.5 ~ 1777.5	4M50F9W	0.1295	4M49G7D	0.1340
10	1715.0 ~ 1775.0	9M17F9W	0.1163	9M07G7D	0.1192
20	1720.0 ~ 1770.0	17M9F9W	0.1413	18M1G7D	0.1338
Frequency Tolerance (ppm)		0.0017			

5G NR n66 (EN DC_12A-n66A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1712.5 ~ 1777.5	4M49F9W	0.1300	4M50G7D	0.1323
10	1715.0 ~ 1775.0	9M07F9W	0.1090	9M05G7D	0.1177
20	1720.0 ~ 1770.0	17M9F9W	0.1351	17M9G7D	0.1307
Frequency Tolerance (ppm)		-			

5G NR n66 (EN DC_13A-n66A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	1712.5 ~ 1777.5	4M50F9W	0.1293	4M50G7D	0.1291
10	1715.0 ~ 1775.0	9M25F9W	0.1175	9M07G7D	0.1182
20	1720.0 ~ 1770.0	17M9F9W	0.1345	17M9G7D	0.1257
Frequency Tolerance (ppm)		-			



5G NR n71 (EN DC_2A-n71A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	665.5 ~ 695.5	4M50F9W	0.1449	4M49G7D	0.1441
10	668.0 ~ 693.0	9M13F9W	0.1240	9M27G7D	0.1236
20	673.0 ~ 688.0	17M9F9W	0.1547	17M9G7D	0.1543
Frequency Tolerance (ppm)		0.0023			

5G NR n71 (EN DC_66A-n71A)		PI/2 BPSK		QPSK	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	665.5 ~ 695.5	4M49F9W	0.1463	4M49G7D	0.1652
10	668.0 ~ 693.0	9M07F9W	0.1234	9M05G7D	0.1268
20	673.0 ~ 688.0	17M9F9W	0.1488	17M9G7D	0.1564
Frequency Tolerance (ppm)		-			



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	No. 3 Bldg the third floor of south, Shahe River west, Fengzeyuan Warehouse, Nanshan Shenzhen, 518055 People's Republic of China TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH02-SZ	CN1256	421272

1.8 Test Software

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

1.9 Applicable Standards

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

- ♦ 47 CFR Part 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

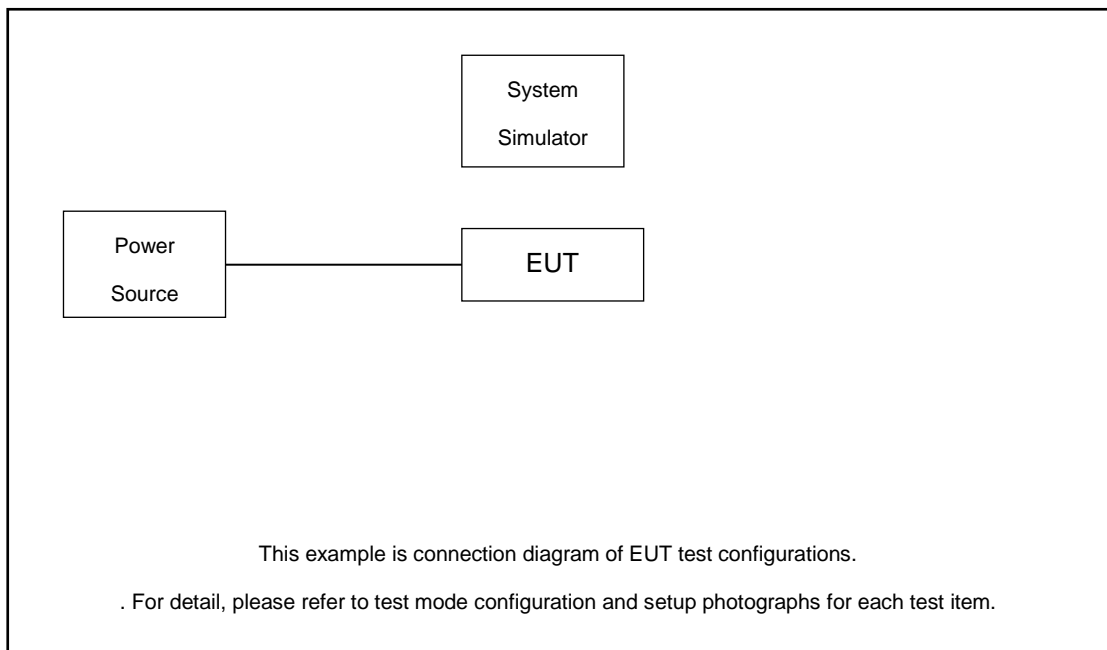
Antenna port conducted and radiated test items are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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

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

	X Plane	Y Plane	Z Plane
Orthogonal Planes of EUT			

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.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
4.	Fixture	INTEL	NGFF Card Carrier	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor 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 and attenuator factor.

$$\text{Offset} = \text{RF cable loss}$$

Following shows an offset computation example with cable loss 4.8 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 4.8 \text{ (dB)} \end{aligned}$$

3 Conducted Test Items

3.1 Measuring Instruments

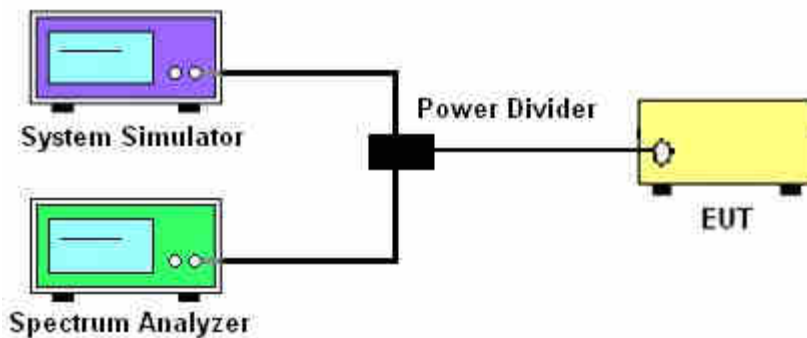
See list of measuring instruments of this test report.

3.2 Test Setup

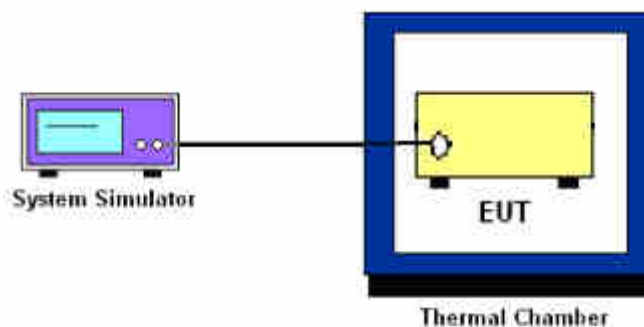
3.2.1 Conducted Output Power



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 ERP of mobile transmitters must not exceed 3 Watts for 5G NR n71.

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2 and n41.

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 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

27.53 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.



27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

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:

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

9. For 5G NR n41, the other 40 dB, and 55 dB have additionally applied same calculation above.

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.

For 5G NR n41:

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 $55 + 10 \log (P)$ 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)
 $= -13$ dBm.
11. For 5G NR n41
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [55 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25$ 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.

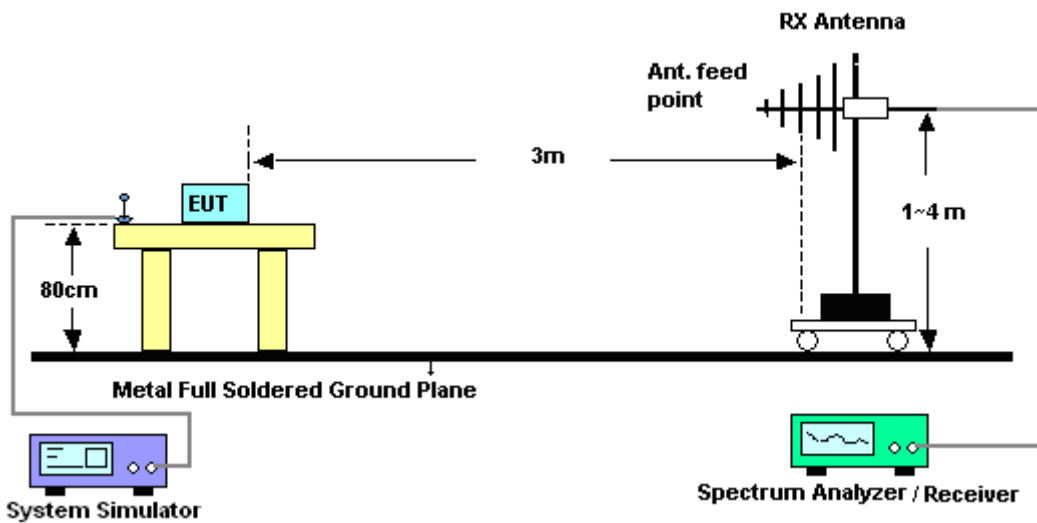
4 Radiated Test Items

4.1 Measuring Instruments

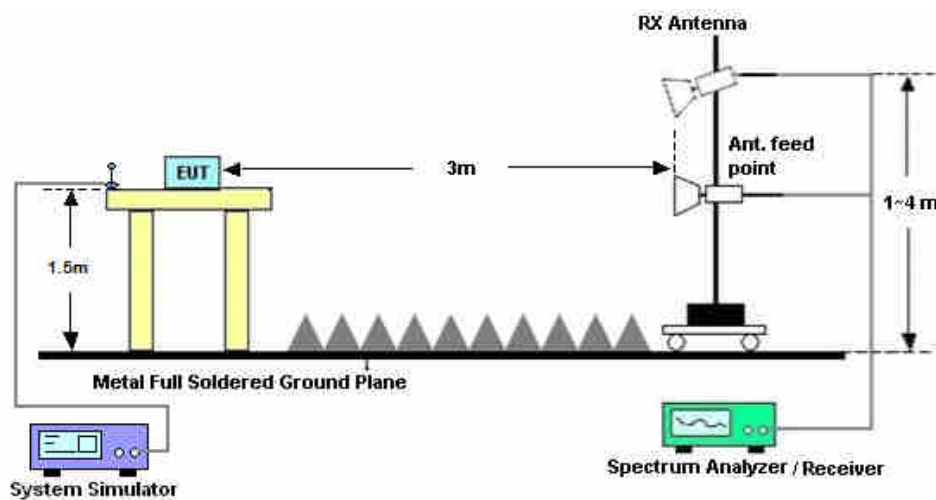
See list of measuring instruments of this test report.

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.

For 5G NR n41

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 $55 + 10 \log (P)$ 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. $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
11. $ERP (dBm) = EIRP - 2.15$
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)
 $= P(W) - [43 + 10\log(P)] (dB)$
 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$
 $= -13dBm.$

13. For 5G NR n41:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



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. 18, 2019	Feb. 17, 2020~ Mar. 04, 2020	Apr. 17, 2020	Conducted (TH01-SZ)
DC Power Supply	GWINSTEK	AnritsuGPS-3030D	EM882636	Max 30V	Apr. 18, 2019	Feb. 17, 2020~ Mar. 04, 2020	Apr. 17, 2020	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Apr. 19, 2019	Feb. 26, 2020	Apr. 18, 2020	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Jul. 19, 2019	Feb. 26, 2020	Jul. 18, 2020	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1285	1GHz~18GHz	Jan. 07, 2020	Feb. 26, 2020	Jan. 06, 2021	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 22, 2019	Feb. 26, 2020	Jul. 21, 2020	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 18, 2019	Feb. 26, 2020	Apr. 17, 2020	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2019	Feb. 26, 2020	Oct. 17, 2020	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 18, 2019	Feb. 26, 2020	Oct. 17, 2020	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010002470	N/A	NCR	Feb. 26, 2020	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Feb. 26, 2020	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Feb. 26, 2020	NCR	Radiation (03CH02-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.

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.5dB
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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))	3.3dB
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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))	3.7dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and EIRP)

Bottom Antenna

EN-DC_5A_n2A													
Combination 20MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
372000	1860	20450	829	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.89	12.73	22.39	0.1093	
					1	104	1	49	22.08	12.75	22.56	0.1137	
					50	25	50	0	21.80	12.66	22.30	0.1071	
				QPSK DFT-s-OFDM	1	1	1	0	21.59	12.72	22.12	0.1028	
					1	104	1	49	21.72	12.69	22.23	0.1055	
					50	25	50	0	21.51	12.68	22.04	0.101	
376000	1880	20525	836.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.87	12.67	22.36	0.1087	
					1	104	1	49	21.98	12.58	22.45	0.111	
					50	25	50	0	22.40	12.60	22.83	0.1211	
				QPSK DFT-s-OFDM	1	1	1	0	21.92	12.65	22.41	0.1098	
					1	104	1	49	22.41	12.63	22.84	0.1215	
					50	25	50	0	22.04	12.64	22.51	0.1125	
380000	1900	20600	844	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.42	12.62	22.85	0.1217	
					1	104	1	49	22.23	12.54	22.67	0.1168	
					50	25	50	0	22.28	12.55	22.72	0.118	
				QPSK DFT-s-OFDM	1	1	1	0	22.43	12.51	22.85	0.1217	
					1	104	1	49	22.21	12.58	22.66	0.1164	
					50	25	50	0	21.95	12.56	22.42	0.1102	



EN-DC_5A_n2A													
Combination 10MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
371000	1855	20450	829	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.61	12.66	22.13	0.1031	
					1	50	1	49	21.56	12.70	22.09	0.1021	
					25	12	50	0	21.69	12.70	22.21	0.1049	
				QPSK DFT-s-OFDM	1	1	1	0	21.71	12.68	22.22	0.1052	
					1	50	1	49	21.69	12.73	22.21	0.1049	
					25	12	50	0	21.67	12.65	22.18	0.1043	
376000	1880	20525	836.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.02	12.56	22.49	0.1118	
					1	50	1	49	22.09	12.69	22.56	0.1138	
					25	12	50	0	22.17	12.62	22.63	0.1155	
				QPSK DFT-s-OFDM	1	1	1	0	22.09	12.62	22.55	0.1136	
					1	50	1	49	22.07	12.68	22.54	0.1133	
					25	12	50	0	22.21	12.55	22.66	0.1163	
381000	1905	20600	844	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.06	12.56	22.52	0.1128	
					1	50	1	49	21.93	12.48	22.40	0.1096	
					25	12	50	0	22.00	12.58	22.47	0.1114	
				QPSK DFT-s-OFDM	1	1	1	0	22.09	12.63	22.56	0.1137	
					1	50	1	49	22.05	12.48	22.50	0.1123	
					25	12	50	0	22.07	12.57	22.53	0.113	



EN-DC_5A_n2A													
Combination 5MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
370500	1852.5	20450	829	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.23	12.76	21.81	0.0957	
					1	23	1	49	21.23	12.76	21.81	0.0957	
					12	6	50	0	21.16	12.68	21.74	0.0941	
				QPSK DFT-s-OFDM	1	1	1	0	21.17	12.75	21.75	0.0945	
					1	23	1	49	21.25	12.72	21.82	0.0959	
					12	6	50	0	21.20	12.70	21.77	0.0949	
376000	1880	20525	836.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.68	12.80	22.21	0.1049	
					1	23	1	49	21.67	12.83	22.20	0.1048	
					12	6	50	0	21.70	12.85	22.23	0.1055	
				QPSK DFT-s-OFDM	1	1	1	0	21.69	12.80	22.22	0.1051	
					1	23	1	49	21.68	12.78	22.21	0.1049	
					12	6	50	0	21.68	12.86	22.22	0.1051	
381500	1907.5	20600	844	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.66	12.67	22.18	0.1041	
					1	23	1	49	21.70	12.71	22.22	0.1051	
					12	6	50	0	21.58	12.78	22.12	0.1027	
				QPSK DFT-s-OFDM	1	1	1	0	21.63	12.80	22.16	0.1039	
					1	23	1	49	21.67	12.78	22.20	0.1047	
					12	6	50	0	21.61	12.74	22.14	0.1033	



EN-DC_12A_n2A													
Combination 20MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
372000	1860	23060	704	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.94	12.81	22.44	0.1107	
					1	104	1	49	22.01	12.73	22.49	0.1121	
					50	25	50	0	21.87	12.71	22.37	0.1088	
				QPSK DFT-s-OFDM	1	1	1	0	21.98	12.71	22.47	0.1113	
					1	104	1	49	22.10	12.77	22.58	0.1143	
					50	25	50	0	21.90	12.77	22.40	0.1097	
376000	1880	23095	707.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.11	12.70	22.58	0.1143	
					1	104	1	49	22.11	12.71	22.58	0.1143	
					50	25	50	0	22.25	12.73	22.71	0.1178	
				QPSK DFT-s-OFDM	1	1	1	0	22.12	12.61	22.58	0.1143	
					1	104	1	49	22.13	12.67	22.60	0.1147	
					50	25	50	0	22.17	12.75	22.64	0.1159	
380000	1900	23130	711	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.06	12.61	22.53	0.1129	
					1	104	1	49	21.91	12.71	22.40	0.1097	
					50	25	50	0	22.02	12.64	22.49	0.112	
				QPSK DFT-s-OFDM	1	1	1	0	22.17	12.72	22.64	0.1158	
					1	104	1	49	21.92	12.56	22.40	0.1096	
					50	25	50	0	22.03	12.74	22.51	0.1126	



EN-DC_12A_n2A													
Combination 10MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
371000	1855	23060	704	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.76	12.71	22.27	0.1064	
					1	50	1	49	21.72	12.72	22.23	0.1056	
					25	12	50	0	21.78	12.72	22.29	0.1069	
				QPSK DFT-s-OFDM	1	1	1	0	21.80	12.72	22.31	0.1073	
					1	50	1	49	21.80	12.69	22.30	0.1072	
					25	12	50	0	21.88	12.67	22.37	0.1089	
376000	1880	23095	707.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.31	12.63	22.75	0.119	
					1	50	1	49	22.24	12.63	22.69	0.1172	
					25	12	50	0	22.37	12.64	22.81	0.1205	
				QPSK DFT-s-OFDM	1	1	1	0	22.36	12.71	22.81	0.1204	
					1	50	1	49	22.34	12.60	22.78	0.1196	
					25	12	50	0	22.45	12.59	22.88	0.1224	
381000	1905	23130	711	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.20	12.63	22.65	0.1163	
					1	50	1	49	22.18	12.63	22.64	0.1158	
					25	12	50	0	22.23	12.66	22.68	0.1171	
				QPSK DFT-s-OFDM	1	1	1	0	22.31	12.67	22.76	0.1191	
					1	50	1	49	22.20	12.64	22.66	0.1163	
					25	12	50	0	22.27	12.68	22.72	0.1181	



EN-DC_12A_n2A													
Combination 5MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
370500	1852.5	23060	704	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.40	12.69	21.95	0.0988	
					1	23	1	49	21.35	12.72	21.91	0.0979	
					12	6	50	0	21.32	12.73	21.88	0.0973	
				QPSK DFT-s-OFDM	1	1	1	0	21.42	12.71	21.97	0.0993	
					1	23	1	49	21.40	12.78	21.96	0.0991	
					12	6	50	0	21.41	12.75	21.96	0.0992	
376000	1880	23095	707.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.79	12.56	22.28	0.1067	
					1	23	1	49	21.86	12.58	22.34	0.1083	
					12	6	50	0	21.81	12.68	22.31	0.1074	
				QPSK DFT-s-OFDM	1	1	1	0	21.77	12.54	22.26	0.1062	
					1	23	1	49	21.87	12.61	22.36	0.1086	
					12	6	50	0	21.81	12.60	22.30	0.1072	
381500	1907.5	23130	711	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.66	12.63	22.17	0.104	
					1	23	1	49	21.71	12.73	22.23	0.1054	
					12	6	50	0	21.74	12.64	22.24	0.1058	
				QPSK DFT-s-OFDM	1	1	1	0	21.72	12.61	22.22	0.1053	
					1	23	1	49	21.69	12.67	22.20	0.1048	
					12	6	50	0	21.65	12.67	22.17	0.1039	



EN-DC_2A_n5A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	ERP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
166800	834	18700	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.77	12.97	23.20	0.1319	
					1	104	1	99	22.07	12.87	22.56	0.1138	
					50	25	100	0	22.67	12.85	23.10	0.1288	
				QPSK DFT-s-OFDM	1	1	1	0	22.74	12.88	23.17	0.1308	
					1	104	1	99	22.59	12.86	23.03	0.1267	
					50	25	100	0	22.70	12.94	23.14	0.1299	
167300	836.5	18900	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.24	12.93	22.72	0.1181	
					1	104	1	99	21.99	13.00	22.51	0.1124	
					50	25	100	0	22.24	12.94	22.72	0.1181	
				QPSK DFT-s-OFDM	1	1	1	0	22.37	12.90	22.83	0.1212	
					1	104	1	99	22.06	13.00	22.57	0.114	
					50	25	100	0	22.23	12.96	22.72	0.1179	
167800	839	19100	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.37	13.06	22.85	0.1217	
					1	104	1	99	22.05	13.10	22.57	0.114	
					50	25	100	0	22.19	13.08	22.69	0.1173	
				QPSK DFT-s-OFDM	1	1	1	0	22.37	13.01	22.85	0.1215	
					1	104	1	99	22.08	12.99	22.58	0.1144	
					50	25	100	0	22.22	13.06	22.72	0.118	



EN-DC_2A_n5A													
Combination 10MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	ERP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
165800	829	18700	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.81	12.86	22.33	0.1079	
					1	50	1	99	21.71	12.86	22.24	0.1057	
					25	12	100	0	21.82	12.88	22.34	0.1082	
				QPSK DFT-s-OFDM	1	1	1	0	21.95	12.90	22.46	0.1112	
					1	50	1	99	21.76	12.85	22.29	0.1068	
					25	12	100	0	21.87	12.92	22.39	0.1094	
167300	836.5	18900	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.00	12.89	22.50	0.1123	
					1	50	1	99	21.79	12.79	22.30	0.1073	
					25	12	100	0	22.00	12.92	22.51	0.1124	
				QPSK DFT-s-OFDM	1	1	1	0	22.07	12.79	22.55	0.1136	
					1	50	1	99	21.88	12.77	22.38	0.1092	
					25	12	100	0	21.95	12.74	22.44	0.1107	
168800	844	19100	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.78	12.94	22.31	0.1075	
					1	50	1	99	21.67	12.89	22.21	0.105	
					25	12	100	0	21.83	12.87	22.35	0.1084	
				QPSK DFT-s-OFDM	1	1	1	0	21.88	12.87	22.39	0.1095	
					1	50	1	99	21.75	12.95	22.29	0.1069	
					25	12	100	0	21.92	12.82	22.42	0.1103	



EN-DC_2A_n5A													
Combination 5MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	ERP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
165300	826.5	18700	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.81	12.8	22.32	0.1077	
					1	23	1	99	21.92	12.73	22.41	0.11	
					12	6	100	0	21.87	12.81	22.38	0.1091	
				QPSK DFT-s-OFDM	1	1	1	0	21.87	12.74	22.37	0.1089	
					1	23	1	99	21.85	12.71	22.35	0.1084	
					12	6	100	0	21.88	12.79	22.38	0.1093	
167300	836.5	18900	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.82	12.8	22.33	0.108	
					1	23	1	99	21.9	12.74	22.40	0.1096	
					12	6	100	0	21.88	12.69	22.37	0.109	
				QPSK DFT-s-OFDM	1	1	1	0	21.91	12.77	22.41	0.1099	
					1	23	1	99	21.9	12.73	22.40	0.1096	
					12	6	100	0	21.88	12.8	22.39	0.1093	
169300	846.5	19100	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.74	12.9	22.27	0.1065	
					1	23	1	99	21.75	12.81	22.27	0.1065	
					12	6	100	0	21.76	12.77	22.28	0.1066	
				QPSK DFT-s-OFDM	1	1	1	0	21.72	12.82	22.25	0.1058	
					1	23	1	99	21.81	12.91	22.34	0.1081	
					12	6	100	0	21.75	12.87	22.28	0.1066	



EN-DC_66A_n5A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	ERP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
166800	834	132072	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.76	12.71	22.27	0.1064	
					1	104	1	99	21.64	12.78	22.17	0.104	
					50	25	100	0	21.73	12.81	22.25	0.106	
				QPSK DFT-s-OFDM	1	1	1	0	21.89	12.81	22.40	0.1095	
					1	104	1	99	21.77	12.78	22.29	0.1068	
					50	25	100	0	21.84	12.82	22.35	0.1085	
167300	836.5	132322	1745	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.73	12.83	22.26	0.1061	
					1	104	1	99	21.62	12.78	22.15	0.1036	
					50	25	100	0	21.78	12.74	22.29	0.1069	
				QPSK DFT-s-OFDM	1	1	1	0	21.81	12.79	22.32	0.1077	
					1	104	1	99	21.63	12.77	22.16	0.1038	
					50	25	100	0	21.7	12.73	22.22	0.1052	
167800	839	132572	1770	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.27	12.85	22.74	0.1186	
					1	104	1	99	22.01	12.83	22.51	0.1123	
					50	25	100	0	22.18	12.81	22.66	0.1163	
				QPSK DFT-s-OFDM	1	1	1	0	22.14	12.86	22.62	0.1155	
					1	104	1	99	21.51	12.82	22.06	0.1014	
					50	25	100	0	22.13	12.89	22.62	0.1153	



EN-DC_66A_n5A													
Combination 10MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	ERP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
165800	829	132072	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.75	12.85	22.28	0.1066	
					1	50	1	99	21.68	12.78	22.21	0.1049	
					25	12	100	0	21.77	12.75	22.28	0.1067	
				QPSK DFT-s-OFDM	1	1	1	0	21.87	12.8	22.38	0.1091	
					1	50	1	99	21.68	12.77	22.21	0.1048	
					25	12	100	0	21.81	12.86	22.33	0.1079	
167300	836.5	132322	1745	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.86	12.83	22.37	0.1089	
					1	50	1	99	21.74	12.85	22.27	0.1064	
					25	12	100	0	21.87	12.82	22.38	0.1091	
				QPSK DFT-s-OFDM	1	1	1	0	21.99	12.77	22.48	0.1117	
					1	50	1	99	21.76	12.76	22.27	0.1065	
					25	12	100	0	21.9	12.82	22.41	0.1098	
168800	844	132572	1770	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.73	12.92	22.27	0.1063	
					1	50	1	99	21.6	12.88	22.15	0.1034	
					25	12	100	0	21.73	12.9	22.26	0.1063	
				QPSK DFT-s-OFDM	1	1	1	0	21.8	12.82	22.32	0.1076	
					1	50	1	99	21.71	12.8	22.24	0.1056	
					25	12	100	0	21.78	12.88	22.31	0.1073	



EN-DC_66A_n5A													
Combination 5MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	ERP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
165300	826.5	132072	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.47	12.82	22.03	0.1006	
					1	23	1	99	21.59	12.86	22.14	0.1032	
					12	6	100	0	21.6	12.81	22.14	0.1033	
				QPSK DFT-s-OFDM	1	1	1	0	21.61	12.86	22.15	0.1036	
					1	23	1	99	21.6	12.72	22.13	0.103	
					12	6	100	0	21.54	12.79	22.08	0.1019	
167300	836.5	132322	1745	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.56	12.68	22.09	0.1021	
					1	23	1	99	21.66	12.81	22.19	0.1045	
					12	6	100	0	21.64	12.79	22.17	0.104	
				QPSK DFT-s-OFDM	1	1	1	0	21.71	12.81	22.24	0.1056	
					1	23	1	99	21.64	12.68	22.16	0.1037	
					12	6	100	0	21.63	12.63	22.14	0.1034	
169300	846.5	132572	1770	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.56	12.74	22.10	0.1022	
					1	23	1	99	21.47	12.84	22.03	0.1006	
					12	6	100	0	21.56	12.86	22.11	0.1026	
				QPSK DFT-s-OFDM	1	1	1	0	21.53	12.85	22.08	0.1019	
					1	23	1	99	21.62	12.84	22.16	0.1038	
					12	6	100	0	21.56	12.79	22.10	0.1024	



EN-DC_2A_n41A													
Combination 100MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
509202	2546.01	18700	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.61	12.99	23.97	0.1574	
					1	271	1	99	23.35	12.88	23.72	0.1487	
					135	67	100	0	23.66	12.91	24.01	0.1589	
				QPSK DFT-s-OFDM	1	1	1	0	23.67	12.91	24.02	0.1592	
					1	271	1	99	23.25	12.96	23.64	0.1458	
					135	67	100	0	23.67	12.87	24.02	0.1591	
518598	2592.99	18900	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.8	12.97	24.14	0.1639	
					1	271	1	99	23.81	12.97	24.15	0.1642	
					135	67	100	0	23.84	13	24.18	0.1653	
				QPSK DFT-s-OFDM	1	1	1	0	23.95	12.94	24.28	0.1691	
					1	271	1	99	23.93	12.98	24.27	0.1685	
					135	67	100	0	23.86	12.99	24.20	0.166	
528000	2640	19100	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.98	13.01	24.31	0.1704	
					1	271	1	99	23.44	13.12	23.83	0.1523	
					135	67	100	0	23.95	12.99	24.28	0.1692	
				QPSK DFT-s-OFDM	1	1	1	0	24.14	13.04	24.46	0.1764	
					1	271	1	99	23.32	13	23.71	0.1481	
					135	67	100	0	23.99	13.13	24.33	0.1711	



EN-DC_2A_n41A													
Combination 60MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
505200	2526	18700	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.28	13	23.67	0.1469	
					1	160	1	99	23.34	13.02	23.73	0.1488	
					81	40	100	0	23.36	12.89	23.73	0.149	
				QPSK DFT-s-OFDM	1	1	1	0	23.33	13.05	23.72	0.1486	
					1	160	1	99	23.29	12.99	23.68	0.1471	
					81	40	100	0	23.4	12.94	23.77	0.1505	
518598	2592.99	18900	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.5	13	23.87	0.1538	
					1	160	1	99	23.58	13.02	23.95	0.1565	
					81	40	100	0	23.65	12.93	24.00	0.1586	
				QPSK DFT-s-OFDM	1	1	1	0	23.62	13.01	23.98	0.1578	
					1	160	1	99	23.59	12.97	23.95	0.1567	
					81	40	100	0	23.67	12.94	24.02	0.1593	
531996	2659.98	19100	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.56	13	23.93	0.1558	
					1	160	1	99	23.16	13.09	23.57	0.1435	
					81	40	100	0	23.43	13	23.81	0.1516	
				QPSK DFT-s-OFDM	1	1	1	0	23.66	13.08	24.02	0.1594	
					1	160	1	99	23.24	13.12	23.64	0.146	
					81	40	100	0	23.44	13.02	23.82	0.152	



EN-DC_2A_n41A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
501204	2506.02	18700	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.3	12.95	23.68	0.1473	
					1	49	1	99	23.31	12.98	23.69	0.1477	
					25	12	100	0	23.29	12.98	23.68	0.1471	
				QPSK DFT-s-OFDM	1	1	1	0	23.29	12.99	23.68	0.1471	
					1	49	1	99	23.34	12.96	23.72	0.1486	
					25	12	100	0	23.29	13.04	23.68	0.1473	
518598	2592.99	18900	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.8	12.96	24.14	0.1638	
					1	49	1	99	23.66	12.99	24.02	0.1591	
					25	12	100	0	23.71	12.95	24.06	0.1607	
				QPSK DFT-s-OFDM	1	1	1	0	23.89	13	24.23	0.1671	
					1	49	1	99	23.76	12.98	24.11	0.1625	
					25	12	100	0	23.74	12.92	24.09	0.1616	
535998	2679.99	19100	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.53	13.02	23.90	0.1549	
					1	49	1	99	23.3	13.14	23.70	0.1479	
					25	12	100	0	23.42	12.98	23.80	0.1512	
				QPSK DFT-s-OFDM	1	1	1	0	23.58	13.02	23.95	0.1565	
					1	49	1	99	23.3	13.08	23.69	0.1477	
					25	12	100	0	23.43	13.07	23.81	0.1518	



EN-DC_3A_n41A													
Combination 100MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
509202	2546.01	19300	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.53	13.08	23.90	0.1551	
					1	271	1	99	23.44	13.08	23.82	0.1521	
					135	67	100	0	23.59	13.02	23.96	0.1569	
				QPSK DFT-s-OFDM	1	1	1	0	23.68	13.05	24.04	0.16	
					1	271	1	99	23.45	13	23.82	0.1522	
					135	67	100	0	23.7	13	24.05	0.1605	
518598	2592.99	19575	1747.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.85	12.93	24.19	0.1655	
					1	271	1	99	23.67	13.02	24.03	0.1595	
					135	67	100	0	23.94	13.05	24.28	0.169	
				QPSK DFT-s-OFDM	1	1	1	0	23.99	13.09	24.33	0.171	
					1	271	1	99	23.93	13.05	24.27	0.1687	
					135	67	100	0	23.91	13.05	24.25	0.168	
528000	2640	19850	1775	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.95	12.98	24.28	0.1692	
					1	271	1	99	23.45	13.1	23.83	0.1525	
					135	67	100	0	24	13.04	24.33	0.1712	
				QPSK DFT-s-OFDM	1	1	1	0	24.09	13.05	24.42	0.1745	
					1	271	1	99	23.27	13.12	23.67	0.1469	
					135	67	100	0	24	13.11	24.34	0.1714	



EN-DC_3A_n41A													
Combination 60MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
505200	2526	19300	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.15	12.25	23.49	0.1409	
					1	160	1	99	22.93	12.4	23.30	0.1348	
					81	40	100	0	23.01	12.29	23.36	0.1369	
				QPSK DFT-s-OFDM	1	1	1	0	23.18	12.4	23.53	0.1422	
					1	160	1	99	22.95	12.33	23.31	0.1352	
					81	40	100	0	23.11	12.33	23.46	0.1399	
518598	2592.99	19575	1747.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.02	12.35	23.38	0.1373	
					1	160	1	99	23.2	12.34	23.54	0.1426	
					81	40	100	0	23.1	12.32	23.45	0.1396	
				QPSK DFT-s-OFDM	1	1	1	0	23.04	12.31	23.39	0.1378	
					1	160	1	99	23.33	12.3	23.66	0.1465	
					81	40	100	0	23.17	12.37	23.52	0.1418	
531996	2659.98	19850	1775	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.3	12.46	23.64	0.146	
					1	160	1	99	23.1	12.35	23.45	0.1397	
					81	40	100	0	23.19	12.48	23.54	0.1427	
				QPSK DFT-s-OFDM	1	1	1	0	23.24	12.35	23.58	0.1439	
					1	160	1	99	23.1	12.4	23.45	0.1398	
					81	40	100	0	23.21	12.4	23.56	0.1431	



EN-DC_3A_n41A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
501204	2506.02	19300	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.34	11.98	23.65	0.1461	
					1	49	1	99	23.12	12.05	23.45	0.1395	
					25	12	100	0	23.27	11.88	23.57	0.1437	
				QPSK DFT-s-OFDM	1	1	1	0	23.39	12.05	23.70	0.1478	
					1	49	1	99	23.24	12.02	23.56	0.1431	
					25	12	100	0	23.27	11.99	23.58	0.1439	
518598	2592.99	19575	1747.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.43	12	23.73	0.149	
					1	49	1	99	23.25	12.13	23.57	0.1437	
					25	12	100	0	23.34	12.02	23.65	0.1462	
				QPSK DFT-s-OFDM	1	1	1	0	23.52	12.02	23.82	0.152	
					1	49	1	99	23.36	12.08	23.67	0.147	
					25	12	100	0	23.32	12.16	23.64	0.1459	
535998	2679.99	19850	1775	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.44	12.25	23.76	0.1499	
					1	49	1	99	23.17	12.24	23.51	0.1415	
					25	12	100	0	23.22	12.16	23.55	0.1428	
				QPSK DFT-s-OFDM	1	1	1	0	23.46	12.26	23.78	0.1506	
					1	49	1	99	23.19	12.3	23.53	0.1422	
					25	12	100	0	23.3	12.2	23.62	0.1454	



EN-DC_25A_n41A													
Combination 100MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
509202	2546.01	26140	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.59	11.59	23.86	0.1533	
					1	271	1	99	22.84	11.49	23.15	0.1302	
					135	67	100	0	23.34	11.61	23.62	0.1453	
				QPSK DFT-s-OFDM	1	1	1	0	23.63	11.45	23.89	0.1544	
					1	271	1	99	23.06	11.52	23.35	0.1366	
					135	67	100	0	23.39	11.51	23.66	0.1467	
518598	2592.99	26340	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.33	11.53	23.61	0.1448	
					1	271	1	99	23.44	11.64	23.72	0.1485	
					135	67	100	0	23.5	11.58	23.77	0.1503	
				QPSK DFT-s-OFDM	1	1	1	0	23.49	11.56	23.76	0.15	
					1	271	1	99	23.64	11.61	23.90	0.155	
					135	67	100	0	23.55	11.68	23.82	0.1522	
528000	2640	26590	1905	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.54	11.49	23.80	0.1515	
					1	271	1	99	23.3	11.48	23.58	0.1438	
					135	67	100	0	23.67	11.55	23.93	0.1559	
				QPSK DFT-s-OFDM	1	1	1	0	23.65	11.43	23.90	0.155	
					1	271	1	99	23.23	11.49	23.51	0.1416	
					135	67	100	0	23.98	11.64	24.23	0.167	



EN-DC_25A_n41A													
Combination 60MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
505200	2526	26140	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.24	12.43	23.59	0.1441	
					1	160	1	99	22.95	12.35	23.31	0.1353	
					81	40	100	0	23.09	12.32	23.44	0.1393	
				QPSK DFT-s-OFDM	1	1	1	0	23.31	12.35	23.64	0.146	
					1	160	1	99	23.02	12.41	23.38	0.1375	
					81	40	100	0	23.16	12.38	23.51	0.1415	
518598	2592.99	26340	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.11	11.74	23.42	0.1385	
					1	160	1	99	23.33	11.77	23.62	0.1453	
					81	40	100	0	23.27	11.75	23.57	0.1434	
				QPSK DFT-s-OFDM	1	1	1	0	23.23	11.74	23.53	0.1422	
					1	160	1	99	23.34	11.85	23.64	0.1458	
					81	40	100	0	23.27	11.8	23.57	0.1435	
531996	2659.98	26590	1905	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.29	11.67	23.58	0.1439	
					1	160	1	99	23.15	11.7	23.45	0.1396	
					81	40	100	0	23.29	11.72	23.58	0.144	
				QPSK DFT-s-OFDM	1	1	1	0	23.3	11.68	23.59	0.1442	
					1	160	1	99	23.15	11.63	23.45	0.1395	
					81	40	100	0	23.29	11.63	23.58	0.1438	



EN-DC_25A_n41A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
501204	2506.02	26140	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.28	12.46	23.63	0.1454	
					1	49	1	99	23.1	12.48	23.46	0.14	
					25	12	100	0	23.09	12.43	23.45	0.1396	
				QPSK DFT-s-OFDM	1	1	1	0	23.22	12.4	23.57	0.1434	
					1	49	1	99	23.11	12.36	23.46	0.14	
					25	12	100	0	23.1	12.43	23.46	0.1399	
518598	2592.99	26340	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.42	12.46	23.75	0.1498	
					1	49	1	99	23.24	12.5	23.59	0.1443	
					25	12	100	0	23.36	12.44	23.70	0.1478	
				QPSK DFT-s-OFDM	1	1	1	0	23.48	12.54	23.82	0.1519	
					1	49	1	99	23.34	12.48	23.68	0.1473	
					25	12	100	0	23.35	12.44	23.69	0.1475	
535998	2679.99	26590	1905	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.38	12.02	23.69	0.1475	
					1	49	1	99	23.18	12.04	23.50	0.1413	
					25	12	100	0	23.23	12.17	23.56	0.1431	
				QPSK DFT-s-OFDM	1	1	1	0	23.46	12.11	23.77	0.1502	
					1	49	1	99	23.24	12.16	23.57	0.1434	
					25	12	100	0	23.3	12.1	23.62	0.1451	



EN-DC_26A_n41A													
Combination 100MHz+15MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
509202	2546.01	26765	821.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.32	13.06	22.81	0.1204	
					1	271	1	74	22.35	13.19	22.85	0.1215	
					135	67	75	0	22.54	13.18	23.02	0.1264	
				QPSK DFT-s-OFDM	1	1	1	0	22.33	13.05	22.81	0.1206	
					1	271	1	74	22.34	13.11	22.83	0.1211	
					135	67	75	0	22.59	13.2	23.06	0.1277	
518598	2592.99	26865	831.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.64	13.16	23.10	0.1289	
					1	271	1	74	22.17	13.06	22.67	0.1168	
					135	67	75	0	22.35	13.14	22.84	0.1214	
				QPSK DFT-s-OFDM	1	1	1	0	22.64	13.15	23.10	0.1289	
					1	271	1	74	22.13	13.11	22.64	0.116	
					135	67	75	0	22.52	13.2	23.00	0.1259	
528000	2640	26965	841.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.66	13.2	23.13	0.1296	
					1	271	1	74	21.83	13.18	22.39	0.1093	
					135	67	75	0	22.24	13.12	22.74	0.1186	
				QPSK DFT-s-OFDM	1	1	1	0	22.59	13.11	23.05	0.1275	
					1	271	1	74	21.84	13.18	22.39	0.1095	
					135	67	75	0	22.32	13.16	22.82	0.1207	



EN-DC_26A_n41A														
Combination 60MHz+15MHz(LTE)														
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)		
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)				
505200	2526	26765	821.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.32	13.22	22.82	0.1209		
					1	160	1	74	22.24	13.23			22.75	0.119
					81	40	75	0	22.26	13.22				
				QPSK DFT-s-OFDM	1	1	1	0	22.22	13.23	22.74	0.1185		
					1	160	1	74	22.18	13.2			22.70	0.1174
					81	40	75	0	22.27	13.28				
518598	2592.99	26865	831.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.13	13.08	22.64	0.1159		
					1	160	1	74	22.1	13.13			22.62	0.1153
					81	40	75	0	22.19	13.22				
				QPSK DFT-s-OFDM	1	1	1	0	22.13	13.13	22.64	0.116		
					1	160	1	74	22.14	13.19			22.66	0.1164
					81	40	75	0	22.23	13.07				
531996	2659.98	26965	841.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.35	13.15	22.84	0.1214		
					1	160	1	74	21.88	13.09			22.42	0.1101
					81	40	75	0	22.05	13.08				
				QPSK DFT-s-OFDM	1	1	1	0	22.43	13.16	22.92	0.1235		
					1	160	1	74	21.92	13.13			22.46	0.1111
					81	40	75	0	22.17	13.03				



EN-DC_26A_n41A													
Combination 20MHz+15MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
501204	2506.02	26765	821.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.47	13.31	22.97	0.125	
					1	49	1	74	22.34	13.23	22.84	0.1214	
					25	12	75	0	22.33	13.36	22.85	0.1216	
				QPSK DFT-s-OFDM	1	1	1	0	22.36	13.22	22.86	0.1219	
					1	49	1	74	22.28	13.3	22.80	0.1201	
					25	12	75	0	22.4	13.26	22.90	0.123	
518598	2592.99	26865	831.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.7	13.29	23.17	0.1309	
					1	49	1	74	22.61	13.12	23.07	0.128	
					25	12	75	0	22.57	13.16	23.04	0.1271	
				QPSK DFT-s-OFDM	1	1	1	0	22.7	13.18	23.16	0.1306	
					1	49	1	74	22.55	13.25	23.03	0.1268	
					25	12	75	0	22.55	13.22	23.03	0.1267	
535998	2679.99	26965	841.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.08	13.11	22.60	0.1148	
					1	49	1	74	21.92	13.07	22.45	0.111	
					25	12	75	0	21.91	13.2	22.46	0.1111	
				QPSK DFT-s-OFDM	1	1	1	0	22.11	13.21	22.64	0.1158	
					1	49	1	74	22	13.15	22.53	0.113	
					25	12	75	0	22	13.15	22.53	0.113	



EN-DC_39A_n41A													
Combination 100MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
509202	2546.01	38350	1890	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.6	13.09	23.97	0.1574	
					1	271	1	99	23.51	13.21	23.90	0.1548	
					135	67	100	0	23.77	13.17	24.13	0.1634	
				QPSK DFT-s-OFDM	1	1	1	0	23.61	13.22	23.99	0.1581	
					1	271	1	99	23.51	13.18	23.89	0.1547	
					135	67	100	0	23.78	13.05	24.13	0.1634	
518598	2592.99	38450	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.81	13.09	24.16	0.1646	
					1	271	1	99	23.88	13.11	24.23	0.1671	
					135	67	100	0	23.83	13.11	24.18	0.1653	
				QPSK DFT-s-OFDM	1	1	1	0	24.06	13.08	24.39	0.1735	
					1	271	1	99	23.86	13.04	24.21	0.1662	
					135	67	100	0	23.87	13.15	24.22	0.1668	
528000	2640	38550	1910	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.9	13.12	24.25	0.1678	
					1	271	1	99	23.36	12.92	23.74	0.1491	
					135	67	100	0	24.04	13.02	24.37	0.1726	
				QPSK DFT-s-OFDM	1	1	1	0	24.15	13.12	24.48	0.177	
					1	271	1	99	23.16	13.08	23.57	0.1434	
					135	67	100	0	24.06	12.96	24.38	0.1732	



EN-DC_39A_n41A													
Combination 60MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
505200	2526	38350	1890	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.39	13.16	23.78	0.1508	
					1	160	1	99	23.34	13.08	23.73	0.149	
					81	40	100	0	23.5	13.05	23.87	0.154	
				QPSK DFT-s-OFDM	1	1	1	0	23.41	13.09	23.80	0.1512	
					1	160	1	99	23.43	13.15	23.82	0.152	
					81	40	100	0	23.54	13.13	23.92	0.1555	
518598	2592.99	38450	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.56	13.08	23.93	0.156	
					1	160	1	99	23.74	13.11	24.10	0.1622	
					81	40	100	0	23.69	13.07	24.05	0.1604	
				QPSK DFT-s-OFDM	1	1	1	0	23.67	13.02	24.03	0.1595	
					1	160	1	99	23.7	13.07	24.06	0.1607	
					81	40	100	0	23.75	13.06	24.11	0.1624	
531996	2659.98	38550	1910	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.66	12.9	24.01	0.1589	
					1	160	1	99	23.23	12.93	23.62	0.1451	
					81	40	100	0	23.55	12.99	23.92	0.1554	
				QPSK DFT-s-OFDM	1	1	1	0	23.79	13.04	24.14	0.1637	
					1	160	1	99	23.28	13	23.67	0.1469	
					81	40	100	0	23.5	12.98	23.87	0.1538	



EN-DC_39A_n41A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
501204	2506.02	38350	1890	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.51	13.03	23.88	0.1543	
					1	49	1	99	23.46	13.09	23.84	0.1528	
					25	12	100	0	23.48	13	23.85	0.1532	
				QPSK DFT-s-OFDM	1	1	1	0	23.54	13.12	23.92	0.1555	
					1	49	1	99	23.56	13.09	23.93	0.1561	
					25	12	100	0	23.47	13.05	23.85	0.153	
518598	2592.99	38450	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.91	13.08	24.25	0.1681	
					1	49	1	99	23.75	13.12	24.11	0.1626	
					25	12	100	0	23.75	13.15	24.11	0.1627	
				QPSK DFT-s-OFDM	1	1	1	0	23.91	13.05	24.25	0.168	
					1	49	1	99	23.8	13.13	24.16	0.1643	
					25	12	100	0	23.82	12.98	24.16	0.1646	
535998	2679.99	38550	1910	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.58	13.03	23.95	0.1566	
					1	49	1	99	23.39	13.08	23.78	0.1505	
					25	12	100	0	23.42	13	23.80	0.1513	
				QPSK DFT-s-OFDM	1	1	1	0	23.66	13.11	24.03	0.1595	
					1	49	1	99	23.31	13.08	23.70	0.148	
					25	12	100	0	23.5	13.03	23.87	0.1539	



EN-DC_41A_n41A													
Combination 100MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
509202	2546.01	41490	2680	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.96	23.19	26.60	0.2886	
					1	271	1	99	23.87	23.16	26.54	0.2844	
					135	67	100	0	24.06	23.17	26.65	0.2916	
				QPSK DFT-s-OFDM	1	1	1	0	24	23.13	26.60	0.2882	
					1	271	1	99	23.3	23.14	26.23	0.2649	
					135	67	100	0	24.01	23.16	26.62	0.2895	
528000	2640	39750	2506	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.07	23.32	26.72	0.2966	
					1	271	1	99	21.98	23.27	25.68	0.2335	
					135	67	100	0	24.31	23.35	26.87	0.3067	
				QPSK DFT-s-OFDM	1	1	1	0	24.35	23.32	26.88	0.3073	
					1	271	1	99	22.62	23.28	25.97	0.2496	
					135	67	100	0	24.37	23.3	26.88	0.3075	



EN-DC_41A_n41A													
Combination 60MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
505200	2526	41490	2680	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.57	23.11	26.36	0.2727	
					1	160	1	99	23.72	23.12	26.44	0.278	
					81	40	100	0	23.69	23.13	26.43	0.2773	
				QPSK DFT-s-OFDM	1	1	1	0	23.63	23.11	26.39	0.2747	
					1	160	1	99	23.78	23.12	26.47	0.2801	
					81	40	100	0	23.66	23	26.35	0.2724	
531996	2659.98	39750	2506	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.15	23.24	26.73	0.2971	
					1	160	1	99	22.47	23.32	25.93	0.2469	
					81	40	100	0	24.03	23.35	26.71	0.296	
				QPSK DFT-s-OFDM	1	1	1	0	24.13	23.28	26.74	0.2976	
					1	160	1	99	22.47	23.3	25.92	0.2463	
					81	40	100	0	24.06	23.34	26.73	0.2968	



EN-DC_41A_n41A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
501204	2506.02	41490	2680	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.8	23.12	26.48	0.2808	
					1	49	1	99	23.83	23.2	26.54	0.2842	
					25	12	100	0	23.77	23.15	26.48	0.2806	
				QPSK DFT-s-OFDM	1	1	1	0	23.85	23	26.46	0.279	
					1	49	1	99	23.69	23.1	26.42	0.2764	
					25	12	100	0	23.7	23.11	26.43	0.277	
535998	2679.99	39750	2506	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.03	23.27	26.68	0.2936	
					1	49	1	99	23.43	23.28	26.37	0.2733	
					25	12	100	0	23.42	23.29	26.37	0.2733	
				QPSK DFT-s-OFDM	1	1	1	0	24.05	23.23	26.67	0.2931	
					1	49	1	99	23.46	23.28	26.38	0.2742	
					25	12	100	0	23.89	23.25	26.59	0.2879	



EN-DC_(n)41AA													
Combination 100MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
509220	2546.01	40751	2606.1	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.94	23.24	26.61	0.2894	
					1	271	1	99	23.66	23.33	26.51	0.2824	
					135	67	100	0	23.62	23.32	26.48	0.2807	
				QPSK DFT-s-OFDM	1	1	1	0	24.04	23.42	26.75	0.2986	
					1	271	1	99	23.71	23.3	26.52	0.2831	
					135	67	100	0	24.13	23.31	26.75	0.2985	
516600	2583	41120	2643	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.33	23.24	26.83	0.304	
					1	271	1	99	24.21	23.19	26.74	0.2979	
					135	67	100	0	23.85	23.21	26.55	0.2852	
				QPSK DFT-s-OFDM	1	1	1	0	24.42	23.22	26.87	0.307	
					1	271	1	99	24.19	23.18	26.72	0.2968	
					135	67	100	0	24.31	23.31	26.85	0.3054	
528000	2640	40490	2580	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.79	23.52	26.67	0.2929	
					1	271	1	99	23.86	23.6	26.74	0.298	
					135	67	100	0	23.75	23.49	26.63	0.2906	
				QPSK DFT-s-OFDM	1	1	1	0	23.97	23.63	26.81	0.3029	
					1	271	1	99	24.03	23.53	26.80	0.3018	
					135	67	100	0	24.17	23.58	26.90	0.3087	



EN-DC_(n)41AA													
Combination 60MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
505242	2526.21	40352	2566.2	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.61	23.41	26.52	0.2832	
					1	160	1	99	23.77	23.35	26.58	0.2868	
					81	40	100	0	23.8	23.46	26.64	0.2913	
				QPSK DFT-s-OFDM	1	1	1	0	23.63	23.44	26.55	0.2849	
					1	160	1	99	23.84	23.45	26.66	0.2924	
					81	40	100	0	23.78	23.47	26.64	0.2909	
516582	2582.91	40919	2622.9	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.99	23.36	26.70	0.2949	
					1	160	1	99	23.46	23.38	26.43	0.2774	
					81	40	100	0	23.48	23.46	26.48	0.2806	
				QPSK DFT-s-OFDM	1	1	1	0	24.1	23.41	26.78	0.3005	
					1	160	1	99	23.53	23.42	26.49	0.2809	
					81	40	100	0	23.95	23.37	26.68	0.2938	
531978	2659.89	40889	2619.9	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.87	23.35	26.63	0.2903	
					1	160	1	99	23.46	23.39	26.44	0.2777	
					81	40	100	0	23.51	23.39	26.46	0.2793	
				QPSK DFT-s-OFDM	1	1	1	0	24.15	23.46	26.83	0.304	
					1	160	1	99	23.67	23.34	26.52	0.283	
					81	40	100	0	23.96	23.37	26.69	0.2941	



EN-DC_(n)41AA													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
501258	2506.29	39953	2526.3	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.7	23.13	26.43	0.2776	
					1	49	1	99	23.64	23.16	26.42	0.2765	
					25	12	100	0	23.65	23.17	26.43	0.2771	
				QPSK DFT-s-OFDM	1	1	1	0	23.63	23.19	26.43	0.2771	
					1	49	1	99	23.61	23.11	26.38	0.274	
					25	12	100	0	23.59	23.15	26.39	0.2745	
516618	2583.09	40721	2603.1	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.86	23.14	26.53	0.2835	
					1	49	1	99	23.84	23.18	26.53	0.284	
					25	12	100	0	23.81	23.15	26.50	0.282	
				QPSK DFT-s-OFDM	1	1	1	0	23.91	23.11	26.54	0.2844	
					1	49	1	99	23.98	23.21	26.62	0.2899	
					25	12	100	0	24.03	23.19	26.64	0.2911	
535962	2679.81	41288	2659.8	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.85	23.18	26.54	0.2843	
					1	49	1	99	23.81	23.15	26.50	0.282	
					25	12	100	0	23.79	23.19	26.51	0.2825	
				QPSK DFT-s-OFDM	1	1	1	0	24.11	23.19	26.68	0.2941	
					1	49	1	99	23.99	23.16	26.61	0.2887	
					25	12	100	0	24.03	23.22	26.65	0.292	



EN-DC_66A_n41A													
Combination 100MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
509202	2546.01	132072	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.61	12.99	23.97	0.1574	
					1	271	1	99	23.35	12.88	23.72	0.1487	
					135	67	100	0	23.61	12.9	23.96	0.1572	
				QPSK DFT-s-OFDM	1	1	1	0	23.67	12.91	24.02	0.1592	
					1	271	1	99	23.25	12.94	23.64	0.1458	
					135	67	100	0	23.67	12.87	24.02	0.1591	
518598	2592.99	132322	1745	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.75	12.97	24.10	0.1621	
					1	271	1	99	23.81	12.95	24.15	0.1642	
					135	67	100	0	23.84	13	24.18	0.1653	
				QPSK DFT-s-OFDM	1	1	1	0	23.91	12.9	24.24	0.1675	
					1	271	1	99	23.93	12.98	24.27	0.1685	
					135	67	100	0	23.86	12.99	24.20	0.166	
528000	2640	132572	1770	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.9	13.01	24.24	0.1675	
					1	271	1	99	23.44	13.1	23.82	0.1522	
					135	67	100	0	23.95	12.99	24.28	0.1692	
				QPSK DFT-s-OFDM	1	1	1	0	24.01	13.04	24.34	0.1716	
					1	271	1	99	23.32	13.02	23.71	0.1482	
					135	67	100	0	23.99	13.13	24.33	0.1711	



EN-DC_66A_n41A													
Combination 60MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
505200	2526	132072	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.25	13.03	23.64	0.146	
					1	160	1	99	23.34	13.02	23.73	0.1488	
					81	40	100	0	23.36	12.89	23.73	0.149	
				QPSK DFT-s-OFDM	1	1	1	0	23.33	13.01	23.72	0.1484	
					1	160	1	99	23.29	12.99	23.68	0.1471	
					81	40	100	0	23.41	12.94	23.78	0.1508	
518598	2592.99	132322	1745	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.5	13.02	23.87	0.1539	
					1	160	1	99	23.58	13.02	23.95	0.1565	
					81	40	100	0	23.65	12.93	24.00	0.1586	
				QPSK DFT-s-OFDM	1	1	1	0	23.62	13.01	23.98	0.1578	
					1	160	1	99	23.55	12.95	23.91	0.1553	
					81	40	100	0	23.67	12.94	24.02	0.1593	
531996	2659.98	132572	1770	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.56	13.05	23.93	0.156	
					1	160	1	99	23.16	13.09	23.57	0.1435	
					81	40	100	0	23.43	13.02	23.81	0.1516	
				QPSK DFT-s-OFDM	1	1	1	0	23.61	13.08	23.98	0.1577	
					1	160	1	99	23.24	13.12	23.64	0.146	
					81	40	100	0	23.44	13.02	23.82	0.152	



EN-DC_66A_n41A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
501204	2506.02	132072	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.25	12.93	23.64	0.1457	
					1	49	1	99	23.31	12.9	23.69	0.1475	
					25	12	100	0	23.29	12.98	23.68	0.1471	
				QPSK DFT-s-OFDM	1	1	1	0	23.25	12.99	23.64	0.1459	
					1	49	1	99	23.34	12.94	23.72	0.1486	
					25	12	100	0	23.29	13.04	23.68	0.1473	
518598	2592.99	132322	1745	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.8	12.96	24.14	0.1638	
					1	49	1	99	23.61	12.99	23.97	0.1574	
					25	12	100	0	23.71	12.95	24.06	0.1607	
				QPSK DFT-s-OFDM	1	1	1	0	23.89	13.02	24.23	0.1672	
					1	49	1	99	23.71	12.98	24.06	0.1608	
					25	12	100	0	23.74	12.92	24.09	0.1616	
535998	2679.99	132572	1770	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.53	13.02	23.90	0.1549	
					1	49	1	99	23.31	13.14	23.71	0.1482	
					25	12	100	0	23.42	12.96	23.79	0.1511	
				QPSK DFT-s-OFDM	1	1	1	0	23.58	13.02	23.95	0.1565	
					1	49	1	99	23.32	13.08	23.71	0.1483	
					25	12	100	0	23.43	13.07	23.81	0.1518	



EN-DC_5A_n66A													
Combination 20MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
344000	1720	20450	829	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.02	12.71	22.50	0.1122	
					1	104	1	49	21.86	12.77	22.36	0.1088	
					50	25	50	0	22.88	12.75	23.28	0.1343	
				QPSK DFT-s-OFDM	1	1	1	0	22.04	12.81	22.53	0.113	
					1	104	1	49	22.01	12.79	22.50	0.1122	
					50	25	50	0	22.86	12.74	23.26	0.1338	
349000	1745	20525	836.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.56	12.74	22.10	0.1022	
					1	104	1	49	21.53	12.7	22.06	0.1015	
					50	25	50	0	23.13	12.64	23.50	0.1413	
				QPSK DFT-s-OFDM	1	1	1	0	21.55	12.74	22.09	0.102	
					1	104	1	49	21.64	12.72	22.16	0.1038	
					50	25	50	0	22.48	12.67	22.91	0.1234	
354000	1770	20600	844	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.39	12.9	21.97	0.0992	
					1	104	1	49	21.35	12.6	21.89	0.0976	
					50	25	50	0	22.41	12.66	22.85	0.1215	
				QPSK DFT-s-OFDM	1	1	1	0	21.63	12.69	22.15	0.1036	
					1	104	1	49	21.41	12.65	21.95	0.0989	
					50	25	50	0	22.41	12.74	22.85	0.1218	



EN-DC_5A_n66A													
Combination 10MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
343000	1715	20450	829	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.68	12.19	22.14	0.1033	
					1	50	1	49	21.64	12.12	22.10	0.1023	
					25	12	50	0	22.25	12.18	22.66	0.1163	
				QPSK DFT-s-OFDM	1	1	1	0	22.33	12.15	22.73	0.1182	
					1	50	1	49	22.37	12.13	22.76	0.1192	
					25	12	50	0	21.74	12.18	22.20	0.1046	
349000	1745	20525	836.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.46	12.06	21.93	0.0984	
					1	50	1	49	21.39	12.11	21.87	0.0972	
					25	12	50	0	21.62	12.06	22.08	0.1018	
				QPSK DFT-s-OFDM	1	1	1	0	21.52	12.14	21.99	0.0999	
					1	50	1	49	22.21	12.12	22.62	0.1152	
					25	12	50	0	21.75	12.07	22.19	0.1046	
355000	1775	20600	844	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.33	12.04	21.81	0.0958	
					1	50	1	49	21.92	12.08	22.35	0.1084	
					25	12	50	0	21.95	12.13	22.38	0.1092	
				QPSK DFT-s-OFDM	1	1	1	0	22.08	12.11	22.50	0.1121	
					1	50	1	49	21.4	12.09	21.88	0.0973	
					25	12	50	0	21.31	12.12	21.80	0.0956	



EN-DC_5A_n66A													
Combination 5MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
342500	1712.5	20450	829	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.64	12.72	23.06	0.1277	
					1	49	1	49	22.7	12.8	23.12	0.1295	
					25	12	50	0	22.48	12.75	22.92	0.1236	
				QPSK DFT-s-OFDM	1	1	1	0	22.75	12.82	23.17	0.1309	
					1	49	1	49	22.63	12.78	23.06	0.1276	
					25	12	50	0	22.51	12.82	22.95	0.1245	
349000	1745	20525	836.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.01	12.77	22.50	0.1122	
					1	49	1	49	22.02	12.77	22.51	0.1124	
					25	12	50	0	22.03	12.74	22.51	0.1126	
				QPSK DFT-s-OFDM	1	1	1	0	22.84	12.83	23.25	0.1334	
					1	49	1	49	22.87	12.74	23.27	0.134	
					25	12	50	0	22.14	12.81	22.62	0.1153	
355500	1777.5	20600	844	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.91	12.64	22.40	0.1095	
					1	49	1	49	21.88	12.72	22.38	0.1091	
					25	12	50	0	21.93	12.69	22.42	0.1101	
				QPSK DFT-s-OFDM	1	1	1	0	21.97	12.64	22.45	0.1109	
					1	49	1	49	21.96	12.8	22.46	0.1111	
					25	12	50	0	21.99	12.79	22.48	0.1118	



EN-DC_12A_n66A													
Combination 20MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
344000	1720	23060	704	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22	12.86	22.50	0.1122	
					1	104	1	49	21.87	12.9	22.39	0.1094	
					50	25	50	0	22.9	12.83	23.31	0.1351	
				QPSK DFT-s-OFDM	1	1	1	0	22.2	12.8	22.67	0.1167	
					1	104	1	49	22.02	12.89	22.52	0.1127	
					50	25	50	0	22.74	12.83	23.16	0.1307	
349000	1745	23095	707.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.56	12.75	22.10	0.1022	
					1	104	1	49	21.51	12.72	22.05	0.1011	
					50	25	50	0	22.1	12.86	22.59	0.1145	
				QPSK DFT-s-OFDM	1	1	1	0	21.77	12.84	22.29	0.107	
					1	104	1	49	21.51	12.9	22.07	0.1016	
					50	25	50	0	22.08	12.75	22.56	0.1137	
354000	1770	23130	711	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.46	12.7	22.00	0.1001	
					1	104	1	49	21.38	12.75	21.94	0.0986	
					50	25	50	0	22.01	12.79	22.50	0.1122	
				QPSK DFT-s-OFDM	1	1	1	0	21.7	12.78	22.22	0.1053	
					1	104	1	49	21.45	12.82	22.01	0.1002	
					50	25	50	0	22.05	12.69	22.53	0.1129	



EN-DC_12A_n66A													
Combination 10MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
343000	1715	23060	704	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.72	12.18	22.18	0.1042	
					1	50	1	49	21.67	12.31	22.15	0.1034	
					25	12	50	0	21.77	12.26	22.23	0.1055	
				QPSK DFT-s-OFDM	1	1	1	0	22.3	12.23	22.71	0.1177	
					1	50	1	49	22.15	12.22	22.57	0.114	
					25	12	50	0	21.77	12.27	22.23	0.1055	
349000	1745	23095	707.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.55	12.09	22.02	0.1004	
					1	50	1	49	21.48	12.07	21.95	0.0989	
					25	12	50	0	21.67	12.11	22.13	0.1029	
				QPSK DFT-s-OFDM	1	1	1	0	21.64	12.1	22.10	0.1023	
					1	50	1	49	21.52	12.14	21.99	0.0999	
					25	12	50	0	22.04	12.13	22.46	0.1112	
355000	1775	23130	711	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.31	12.17	21.81	0.0957	
					1	50	1	49	21.25	12.13	21.75	0.0944	
					25	12	50	0	21.94	12.17	22.38	0.109	
				QPSK DFT-s-OFDM	1	1	1	0	21.57	12.14	22.04	0.1009	
					1	50	1	49	21.94	12.12	22.37	0.1089	
					25	12	50	0	21.43	12.02	21.90	0.0977	



EN-DC_12A_n66A													
Combination 5MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
342500	1712.5	23060	704	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.67	12.92	23.11	0.129	
					1	49	1	49	22.66	12.91	23.10	0.1287	
					25	12	50	0	22.7	12.96	23.14	0.13	
				QPSK DFT-s-OFDM	1	1	1	0	22.69	13.09	23.14	0.1301	
					1	49	1	49	22.68	12.81	23.11	0.129	
					25	12	50	0	22.67	13.02	23.12	0.1293	
349000	1745	23095	707.5	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.09	12.8	22.57	0.1141	
					1	49	1	49	22.06	12.85	22.55	0.1136	
					25	12	50	0	22.11	12.81	22.59	0.1146	
				QPSK DFT-s-OFDM	1	1	1	0	22.12	12.68	22.59	0.1145	
					1	49	1	49	22.79	12.91	23.21	0.1323	
					25	12	50	0	22.1	12.77	22.58	0.1143	
355500	1777.5	23130	711	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.02	12.72	22.50	0.1123	
					1	49	1	49	21.93	12.75	22.43	0.1103	
					25	12	50	0	21.95	12.85	22.45	0.111	
				QPSK DFT-s-OFDM	1	1	1	0	22.03	12.81	22.52	0.1127	
					1	49	1	49	22.11	12.87	22.60	0.1148	
					25	12	50	0	22.1	12.75	22.58	0.1142	



EN-DC_13A_n66A													
Combination 20MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
344000	1720	23230	782	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.95	12.82	22.45	0.1109	
					1	104	1	49	21.79	12.84	22.31	0.1074	
					50	25	50	0	22.89	12.69	23.29	0.1345	
				QPSK DFT-s-OFDM	1	1	1	0	22.14	12.77	22.62	0.1152	
					1	104	1	49	21.92	12.93	22.44	0.1106	
					50	25	50	0	22.56	12.78	22.99	0.1257	
349000	1745	23230	782	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.54	12.84	22.09	0.1021	
					1	104	1	49	21.63	12.85	22.17	0.104	
					50	25	50	0	22.07	12.93	22.57	0.114	
				QPSK DFT-s-OFDM	1	1	1	0	21.71	12.77	22.23	0.1055	
					1	104	1	49	21.66	12.75	22.19	0.1044	
					50	25	50	0	22.12	12.8	22.60	0.1148	
354000	1770	23230	782	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.68	12.85	22.21	0.1051	
					1	104	1	49	21.45	12.9	22.02	0.1004	
					50	25	50	0	22.12	12.87	22.61	0.115	
				QPSK DFT-s-OFDM	1	1	1	0	21.57	12.96	22.13	0.103	
					1	104	1	49	22.29	12.93	22.77	0.1193	
					50	25	50	0	22.2	12.88	22.68	0.117	



EN-DC_13A_n66A													
Combination 10MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
344000	1720	23230	782	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.64	12.69	22.16	0.1038	
					1	50	1	49	22.25	12.65	22.70	0.1175	
					25	12	50	0	21.26	12.64	21.82	0.0959	
				QPSK DFT-s-OFDM	1	1	1	0	21.73	12.68	22.24	0.1057	
					1	50	1	49	21.91	12.78	22.41	0.1099	
					25	12	50	0	21.84	12.71	22.34	0.1082	
349000	1745	23230	782	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.11	12.66	21.69	0.0931	
					1	50	1	49	21.48	12.58	22.01	0.1001	
					25	12	50	0	21.71	12.73	22.23	0.1054	
				QPSK DFT-s-OFDM	1	1	1	0	22.28	12.61	22.72	0.1182	
					1	50	1	49	21.69	12.76	22.21	0.105	
					25	12	50	0	21.84	12.77	22.35	0.1083	
354000	1770	23230	782	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.87	12.72	22.37	0.1089	
					1	50	1	49	21.24	12.69	21.81	0.0957	
					25	12	50	0	21.24	12.78	21.82	0.0959	
				QPSK DFT-s-OFDM	1	1	1	0	21.96	12.64	22.44	0.1107	
					1	50	1	49	21.31	12.69	21.87	0.097	
					25	12	50	0	21.41	12.65	21.95	0.0989	



EN-DC_13A_n66A													
Combination 5MHz+10MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
342500	1712.5	23230	782	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.65	13.03	23.10	0.1288	
					1	23	1	49	22.62	12.96	23.07	0.1278	
					12	6	50	0	22.68	12.93	23.12	0.1293	
				QPSK DFT-s-OFDM	1	1	1	0	22.67	12.9	23.11	0.129	
					1	23	1	49	22.67	12.95	23.11	0.1291	
					12	6	50	0	22.63	12.9	23.07	0.1279	
349000	1745	23230	782	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.13	12.97	22.63	0.1155	
					1	23	1	49	22.15	12.82	22.63	0.1156	
					12	6	50	0	22.16	12.82	22.64	0.1158	
				QPSK DFT-s-OFDM	1	1	1	0	22.15	12.86	22.63	0.1157	
					1	23	1	49	22.14	12.98	22.64	0.1158	
					12	6	50	0	22.17	12.89	22.65	0.1163	
355500	1777.5	23230	782	PI/2 BPSK DFT-s-OFDM	1	1	1	0	21.94	12.8	22.44	0.1107	
					1	23	1	49	21.97	12.79	22.47	0.1113	
					12	6	50	0	21.98	12.84	22.48	0.1117	
				QPSK DFT-s-OFDM	1	1	1	0	21.93	12.84	22.43	0.1105	
					1	23	1	49	21.91	12.81	22.41	0.11	
					12	6	50	0	21.95	12.8	22.45	0.1109	



EN-DC_2A_n71A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
134600	673	18700	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.8	12.34	23.17	0.131	
					1	104	1	99	22.67	12.41	23.06	0.1277	
					50	25	100	0	23.22	12.36	23.56	0.1433	
				QPSK DFT-s-OFDM	1	1	1	0	22.82	12.36	23.19	0.1316	
					1	104	1	99	22.81	12.34	23.18	0.1313	
					50	25	100	0	23.2	12.33	23.54	0.1426	
136100	680.5	18900	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.64	12.3	23.02	0.1266	
					1	104	1	99	22.54	12.37	22.94	0.1241	
					50	25	100	0	23.58	12.33	23.89	0.1547	
				QPSK DFT-s-OFDM	1	1	1	0	22.54	12.37	22.94	0.1241	
					1	104	1	99	22.61	12.35	23.00	0.1259	
					50	25	100	0	23.57	12.31	23.88	0.1543	
137600	688	19100	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.68	12.45	23.07	0.128	
					1	104	1	99	22.46	12.48	22.88	0.1223	
					50	25	100	0	23.18	12.34	23.52	0.142	
				QPSK DFT-s-OFDM	1	1	1	0	22.82	12.5	23.21	0.132	
					1	104	1	99	22.51	12.46	22.92	0.1236	
					50	25	100	0	23.22	12.43	23.57	0.1435	



EN-DC_2A_n71A													
Combination 10MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
133600	668	18700	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.55	12.23	22.94	0.124	
					1	50	1	99	22.42	12.26	22.82	0.1208	
					25	12	100	0	22.47	12.22	22.86	0.1219	
				QPSK DFT-s-OFDM	1	1	1	0	22.48	12.18	22.87	0.1221	
					1	50	1	99	22.35	12.16	22.75	0.1188	
					25	12	100	0	22.47	12.22	22.86	0.1219	
136100	680.5	18900	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.39	12.32	22.80	0.1202	
					1	50	1	99	22.48	12.25	22.87	0.1223	
					25	12	100	0	22.5	12.21	22.89	0.1227	
				QPSK DFT-s-OFDM	1	1	1	0	22.43	12.27	22.83	0.121	
					1	50	1	99	22.53	12.26	22.92	0.1236	
					25	12	100	0	22.49	12.31	22.89	0.1227	
138600	693	19100	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.42	12.27	22.82	0.1208	
					1	50	1	99	22.26	12.33	22.68	0.117	
					25	12	100	0	22.37	12.27	22.77	0.1195	
				QPSK DFT-s-OFDM	1	1	1	0	22.47	12.22	22.86	0.1219	
					1	50	1	99	22.18	12.21	22.60	0.1147	
					25	12	100	0	22.38	12.28	22.78	0.1198	



EN-DC_2A_n71A													
Combination 5MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
133100	665.5	18700	1860	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.28	12.15	23.60	0.1446	
					1	49	1	99	23.29	12.12	23.61	0.1449	
					25	12	100	0	23.24	12.19	23.57	0.1435	
				QPSK DFT-s-OFDM	1	1	1	0	23.26	12.18	23.59	0.1441	
					1	49	1	99	23.25	12.21	23.58	0.1438	
					25	12	100	0	23.22	12.21	23.55	0.1429	
136100	680.5	18900	1880	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.16	12.15	23.49	0.141	
					1	49	1	99	23.16	12.21	23.50	0.1411	
					25	12	100	0	23.08	12.24	23.42	0.1388	
				QPSK DFT-s-OFDM	1	1	1	0	23.14	12.11	23.47	0.1403	
					1	49	1	99	23.17	12.27	23.51	0.1416	
					25	12	100	0	23.15	12.24	23.49	0.1409	
139100	695.5	19100	1900	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.08	12.36	23.43	0.1391	
					1	49	1	99	23.11	12.29	23.46	0.1398	
					25	12	100	0	23.1	12.35	23.45	0.1397	
				QPSK DFT-s-OFDM	1	1	1	0	23.08	12.32	23.43	0.139	
					1	49	1	99	23.13	12.24	23.47	0.1403	
					25	12	100	0	23.05	12.35	23.40	0.1382	



EN-DC_66A_n71A													
Combination 20MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
134600	673	132072	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.65	12.71	23.07	0.1279	
					1	104	1	99	22.5	12.65	22.93	0.1238	
					50	25	100	0	23.03	12.62	23.41	0.1383	
				QPSK DFT-s-OFDM	1	1	1	0	22.66	12.64	23.07	0.128	
					1	104	1	99	22.58	12.74	23.01	0.1261	
					50	25	100	0	23.02	12.69	23.40	0.1382	
136100	680.5	132322	1745	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.37	12.64	22.81	0.1205	
					1	104	1	99	22.37	12.68	22.81	0.1206	
					50	25	100	0	23.35	12.56	23.70	0.1478	
				QPSK DFT-s-OFDM	1	1	1	0	22.32	12.69	22.77	0.1194	
					1	104	1	99	22.55	12.66	22.97	0.1251	
					50	25	100	0	23.61	12.6	23.94	0.1564	
137600	688	132572	1770	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.53	12.72	22.96	0.1248	
					1	104	1	99	22.3	12.65	22.75	0.1188	
					50	25	100	0	23.37	12.7	23.73	0.1488	
				QPSK DFT-s-OFDM	1	1	1	0	22.6	12.7	23.02	0.1266	
					1	104	1	99	22.46	12.69	22.90	0.1229	
					50	25	100	0	23.51	12.63	23.85	0.1531	



EN-DC_66A_n71A													
Combination 10MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
133600	668	132072	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.52	12.27	22.91	0.1234	
					1	50	1	99	22.29	12.21	22.70	0.1174	
					25	12	100	0	22.47	12.29	22.87	0.1221	
				QPSK DFT-s-OFDM	1	1	1	0	22.65	12.29	23.03	0.1268	
					1	50	1	99	22.38	12.31	22.79	0.1199	
					25	12	100	0	22.48	12.31	22.88	0.1224	
136100	680.5	132322	1745	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.42	12.3	22.82	0.1209	
					1	50	1	99	22.39	12.25	22.79	0.12	
					25	12	100	0	22.15	12.17	22.57	0.1139	
				QPSK DFT-s-OFDM	1	1	1	0	22.44	12.36	22.85	0.1215	
					1	50	1	99	22.45	12.35	22.85	0.1218	
					25	12	100	0	22.47	12.3	22.87	0.1221	
138600	693	132572	1770	PI/2 BPSK DFT-s-OFDM	1	1	1	0	22.45	12.43	22.86	0.122	
					1	50	1	99	22.3	12.37	22.72	0.118	
					25	12	100	0	22.42	12.33	22.83	0.1209	
				QPSK DFT-s-OFDM	1	1	1	0	22.45	12.4	22.86	0.1219	
					1	50	1	99	22.29	12.38	22.71	0.1178	
					25	12	100	0	22.42	12.34	22.83	0.121	

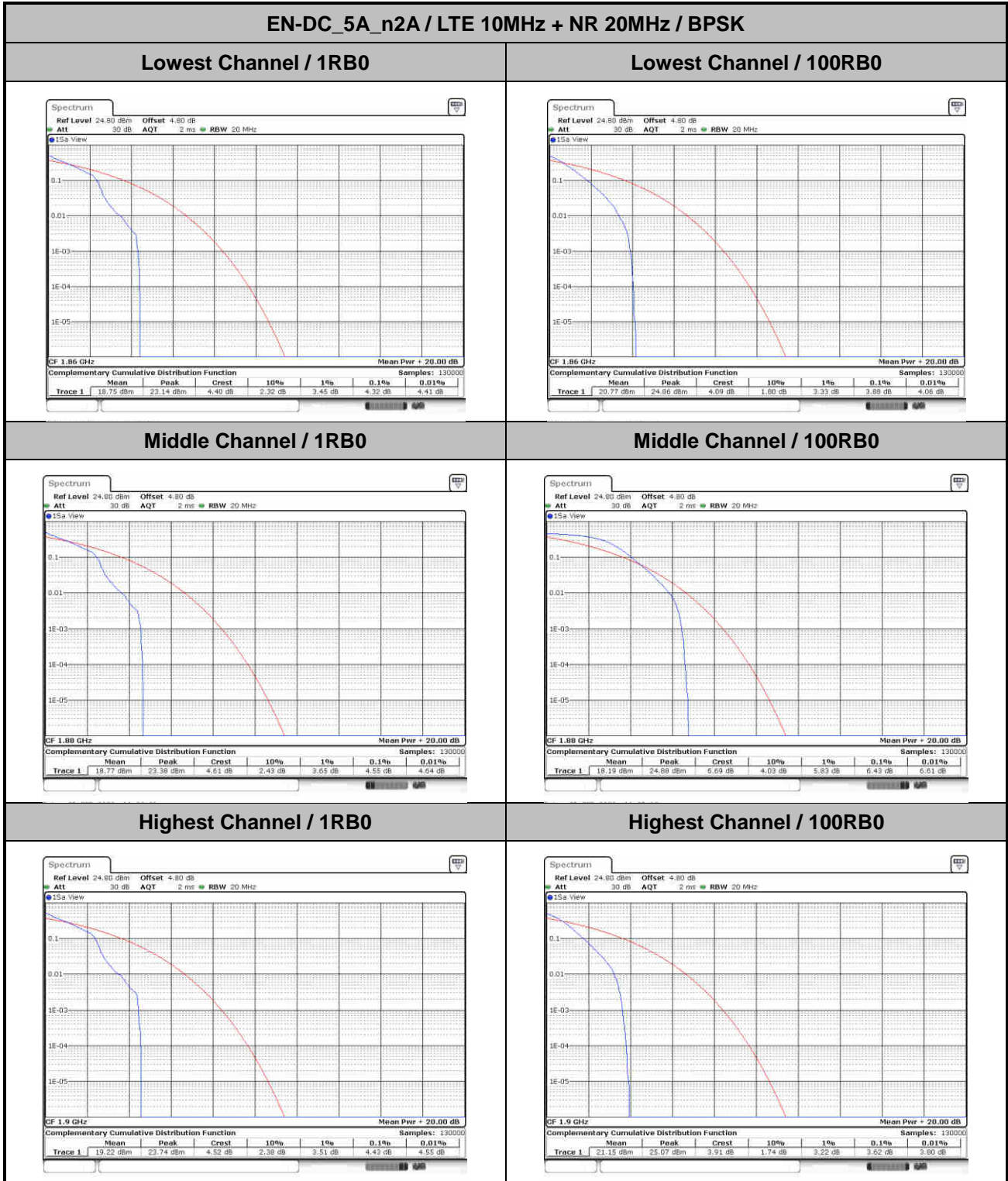


EN-DC_66A_n71A													
Combination 5MHz+20MHz(LTE)													
NR Channel	NR Freq.	LTE Channel	LTE Freq.	Modulation	NR		LTE		NR	LTE	Total Measured Power (dBm)	EIRP (W)	
					RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Measured Power (dBm)			
133100	665.5	132072	1720	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.33	12.19	23.65	0.1463	
					1	49	1	99	23.29	12.17	23.61	0.145	
					25	12	100	0	23.26	12.21	23.59	0.1442	
				QPSK DFT-s-OFDM	1	1	1	0	23.26	12.14	23.58	0.144	
					1	49	1	99	23.29	12.19	23.61	0.145	
					25	12	100	0	23.22	12.26	23.55	0.1431	
136100	680.5	132322	1745	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.17	12.19	23.50	0.1414	
					1	49	1	99	23.19	12.4	23.54	0.1425	
					25	12	100	0	23.18	12.24	23.52	0.1418	
				QPSK DFT-s-OFDM	1	1	1	0	23.16	12.35	23.51	0.1415	
					1	49	1	99	23.14	12.26	23.48	0.1406	
					25	12	100	0	23.89	12.28	24.18	0.1652	
139100	695.5	132572	1770	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.16	12.25	23.50	0.1412	
					1	49	1	99	23.08	12.25	23.42	0.1388	
					25	12	100	0	23.13	12.21	23.47	0.1402	
				QPSK DFT-s-OFDM	1	1	1	0	23.11	12.25	23.45	0.1397	
					1	49	1	99	23.12	12.08	23.45	0.1396	
					25	12	100	0	23.12	12.29	23.46	0.1401	



5G NR n2

Peak-to-Average Ratio





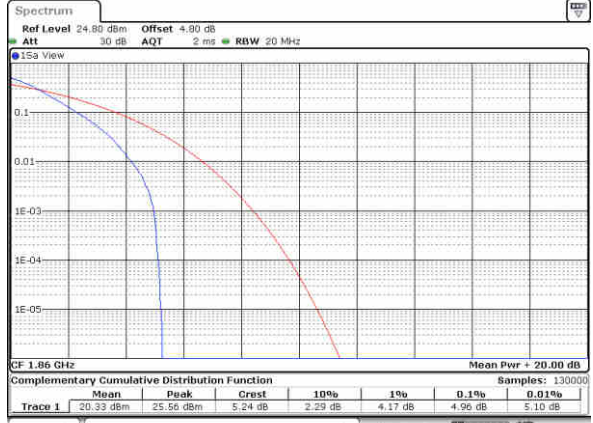
EN-DC_5A_n2A / LTE 10MHz + NR 20MHz / QPSK

Lowest Channel / 1RB0



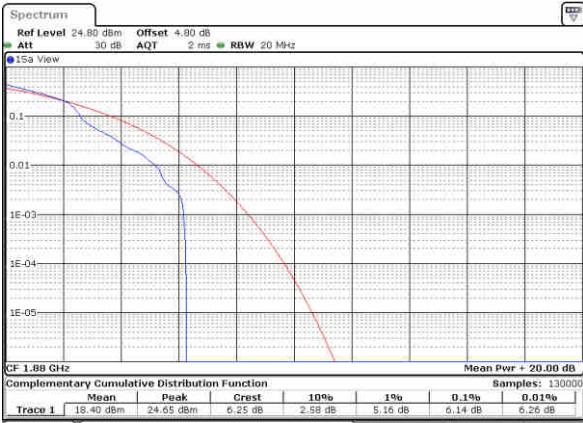
Date: 25.FEB.2020 11:04:51

Lowest Channel / 100RB0



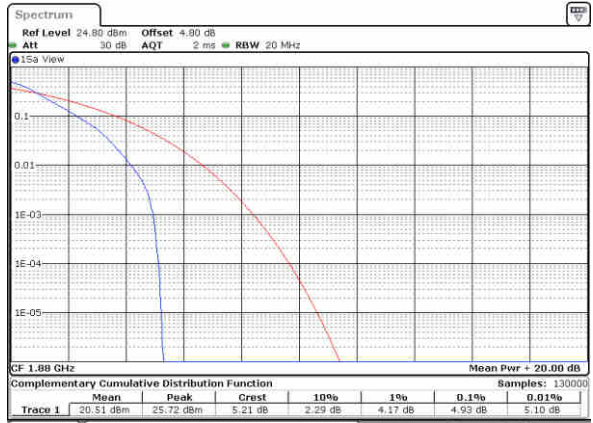
Date: 25.FEB.2020 11:05:15

Middle Channel / 1RB0



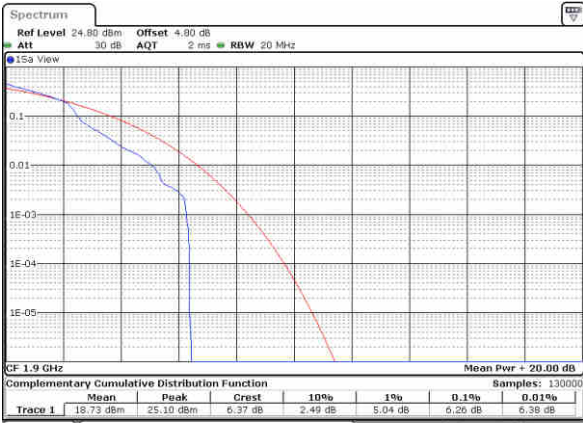
Date: 25.FEB.2020 11:06:23

Middle Channel / 100RB0



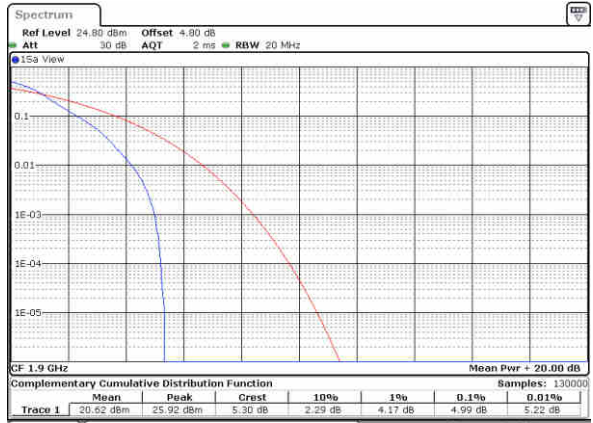
Date: 25.FEB.2020 11:06:54

Highest Channel / 1RB0



Date: 25.FEB.2020 11:52:41

Highest Channel / 100RB0

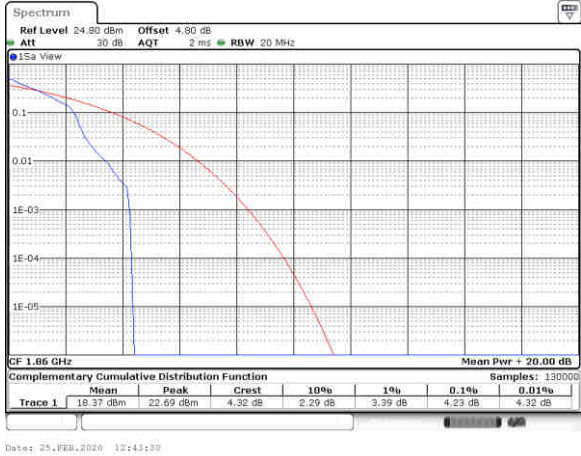


Date: 25.FEB.2020 11:51:34



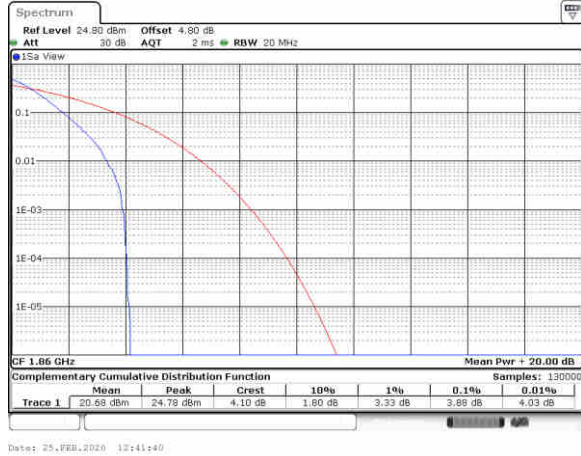
EN-DC_12A_n2A / LTE 10MHz + NR 20MHz / BPSK

Lowest Channel / 1RB0



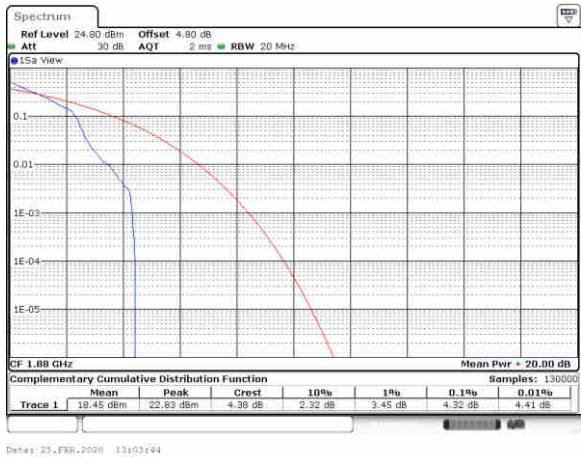
Date: 25.FEB.2020 12:43:30

Lowest Channel / 100RB0



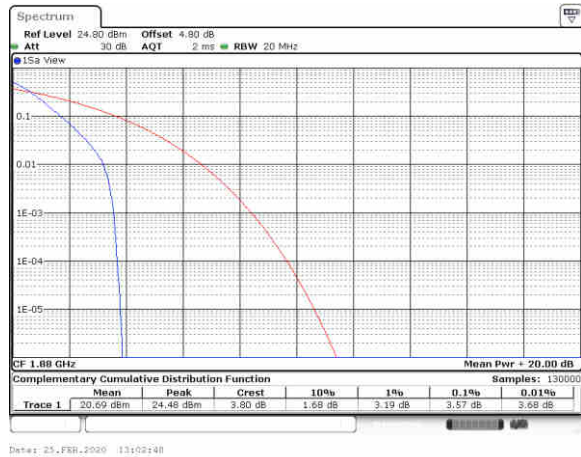
Date: 25.FEB.2020 12:41:40

Middle Channel / 1RB0



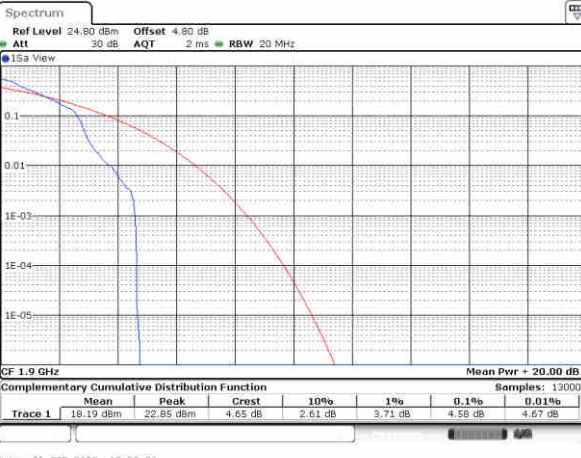
Date: 25.FEB.2020 13:03:44

Middle Channel / 100RB0



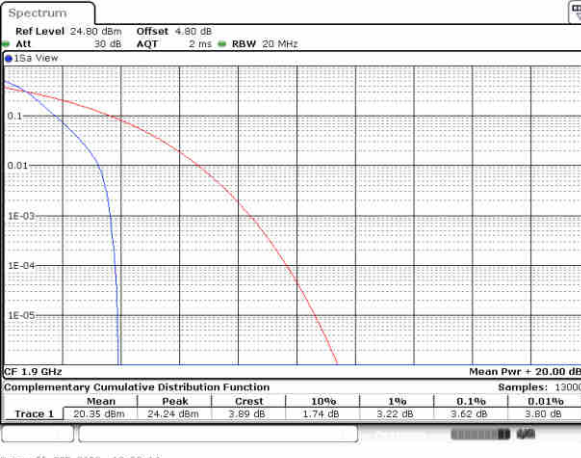
Date: 25.FEB.2020 13:02:48

Highest Channel / 1RB0



Date: 25.FEB.2020 12:58:20

Highest Channel / 100RB0

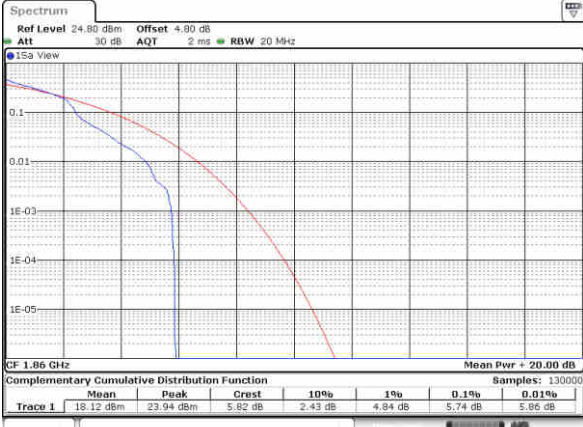


Date: 25.FEB.2020 12:59:14



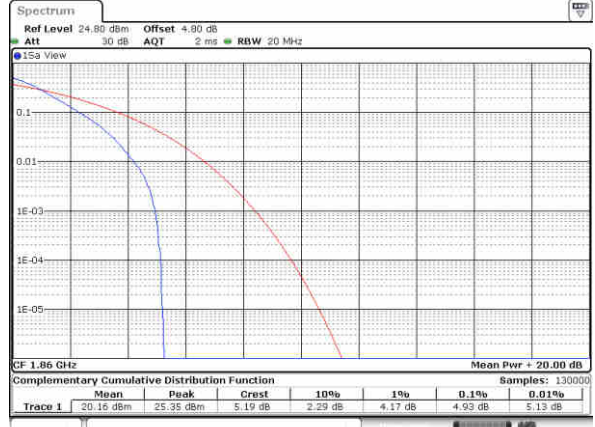
EN-DC_12A_n2A / LTE 10MHz + NR 20MHz / QPSK

Lowest Channel / 1RB0



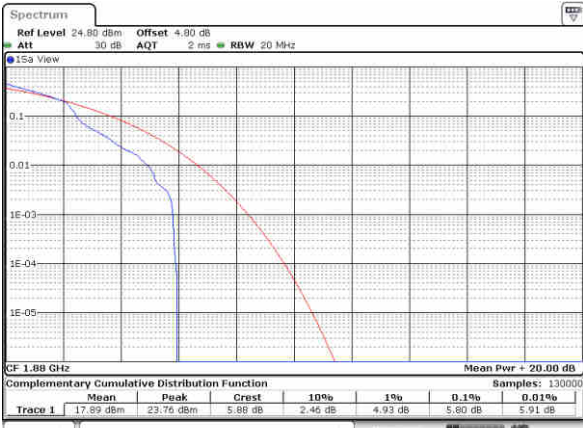
Date: 25.FEB.2020 12:43:04

Lowest Channel / 100RB0



Date: 25.FEB.2020 12:42:06

Middle Channel / 1RB0



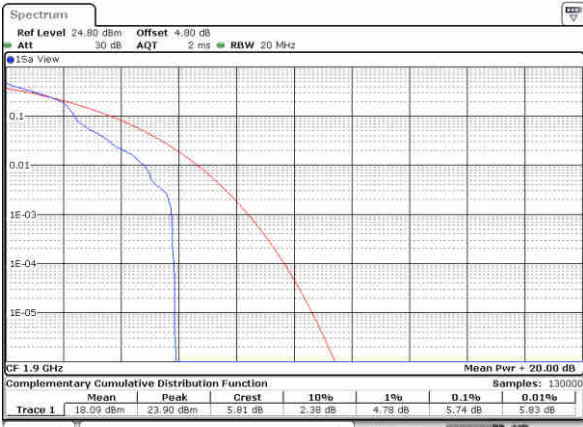
Date: 25.FEB.2020 13:03:00

Middle Channel / 100RB0



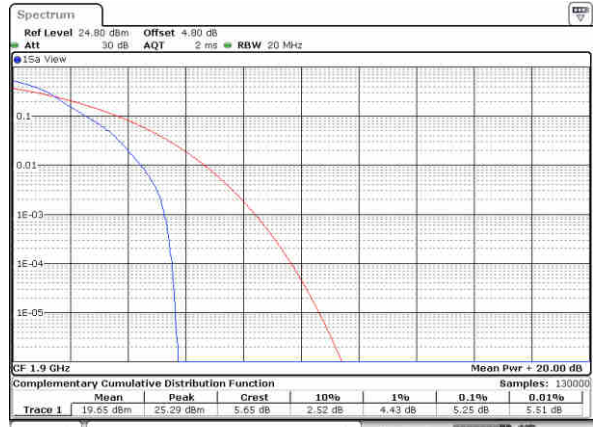
Date: 25.FEB.2020 13:03:01

Highest Channel / 1RB0



Date: 25.FEB.2020 12:58:42

Highest Channel / 100RB0



Date: 25.FEB.2020 12:59:03

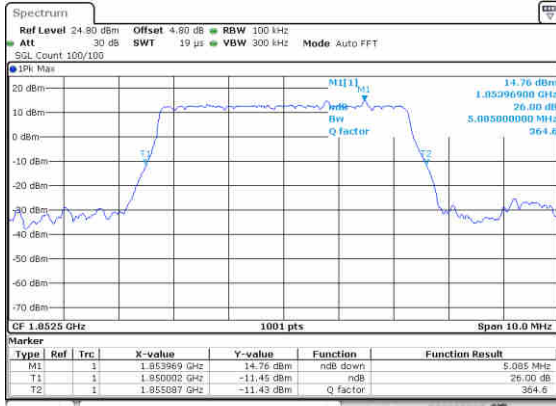


26dB Bandwidth

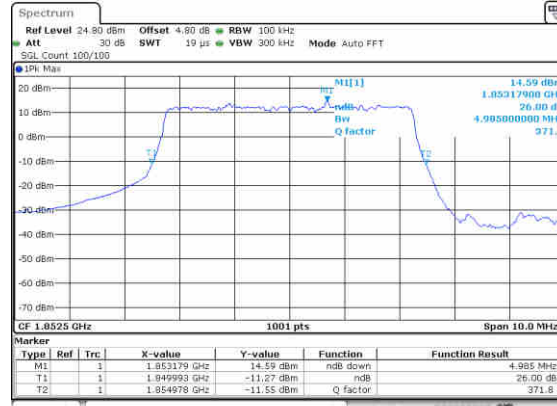
EN-DC_5A_n2A

Combination LTE 10MHz + NR 5MHz

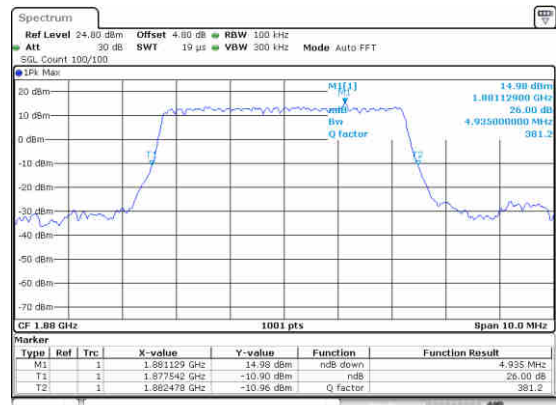
Lowest Channel / BPSK



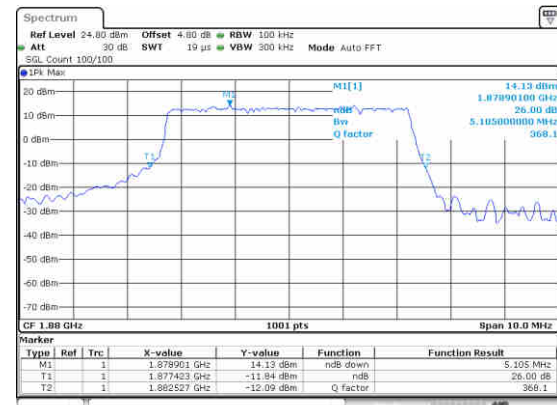
Lowest Channel / QPSK



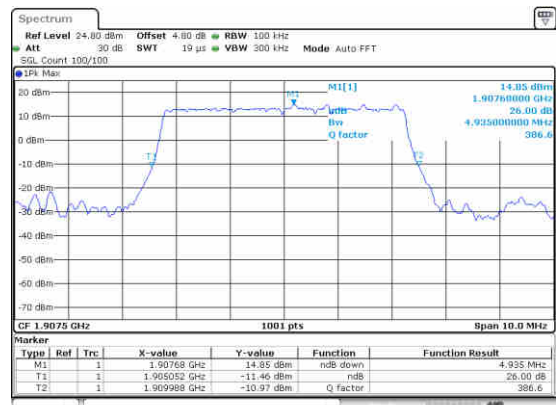
Middle Channel / BPSK



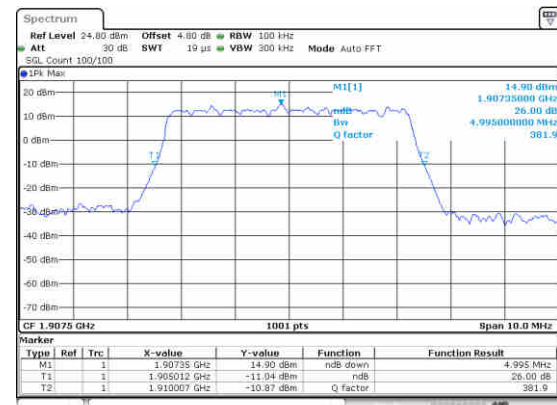
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

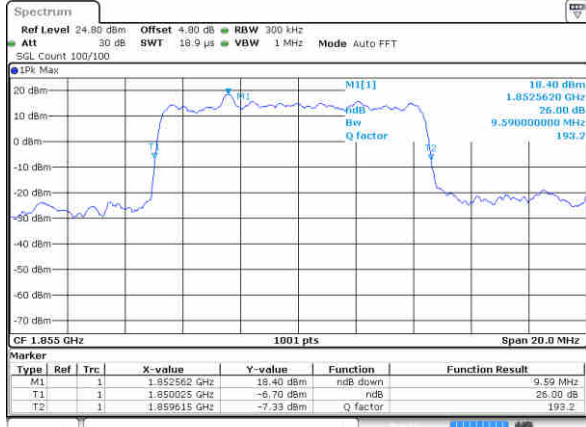




EN-DC_5A_n2A

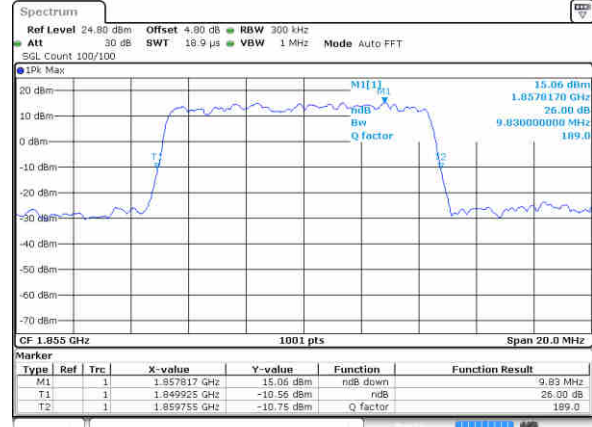
Combination LTE 10MHz + NR 10MHz

Lowest Channel / BPSK



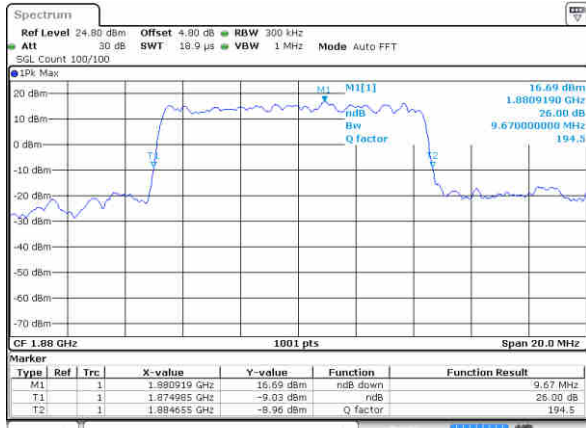
Date: 19 FEB 2020 05:40:21

Lowest Channel / QPSK



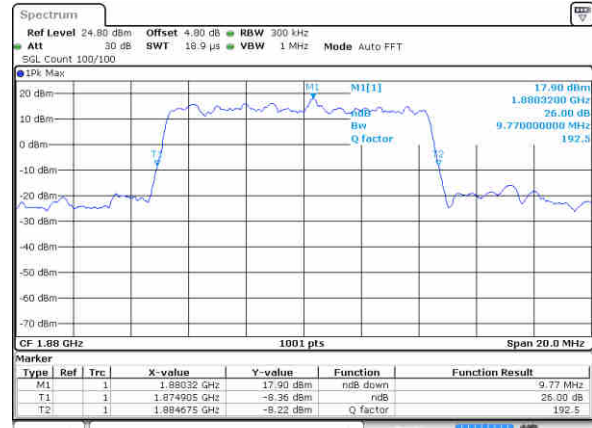
Date: 19 FEB 2020 06:00:29

Middle Channel / BPSK



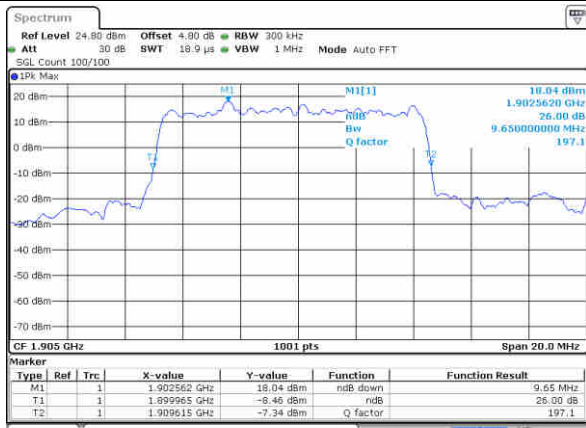
Date: 19 FEB 2020 06:32:24

Middle Channel / QPSK



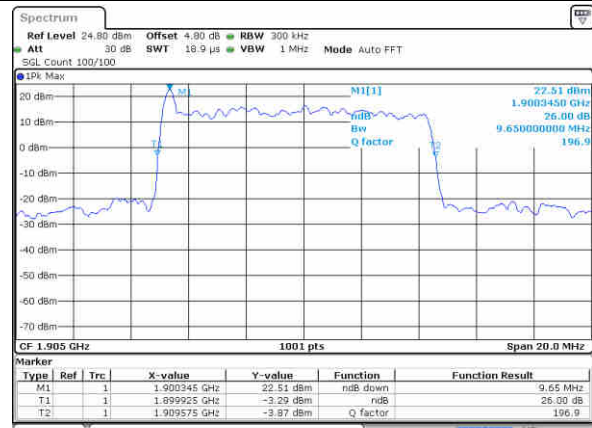
Date: 19 FEB 2020 06:26:08

Highest Channel / BPSK



Date: 19 FEB 2020 06:36:35

Highest Channel / QPSK



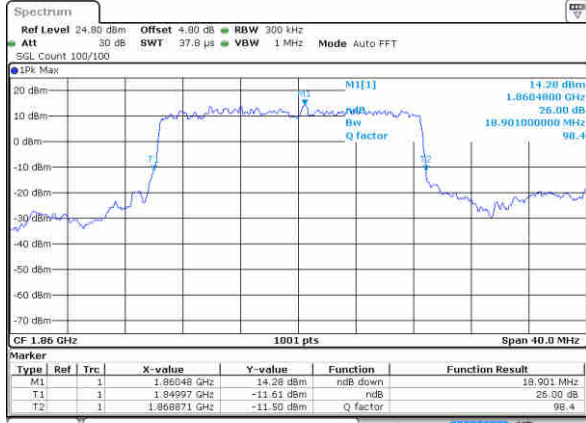
Date: 19 FEB 2020 06:47:47



EN-DC_5A_n2A

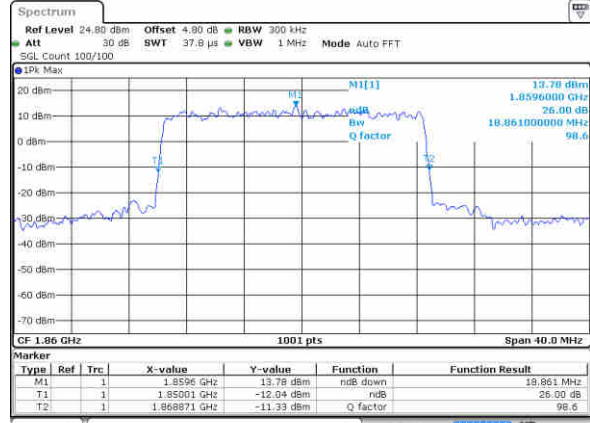
Combination LTE 10MHz + NR 20MHz

Lowest Channel / BPSK



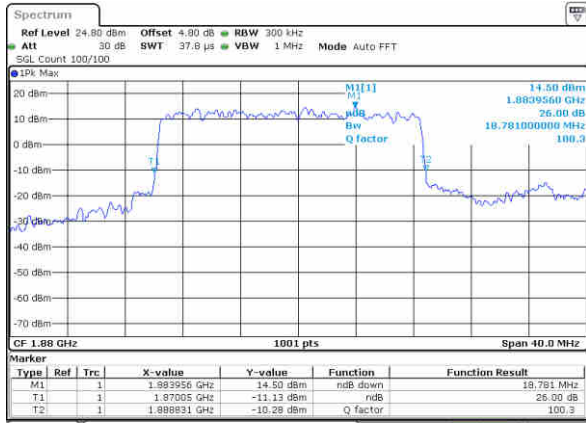
Date: 19 FEB 2020 02:19:15

Lowest Channel / QPSK



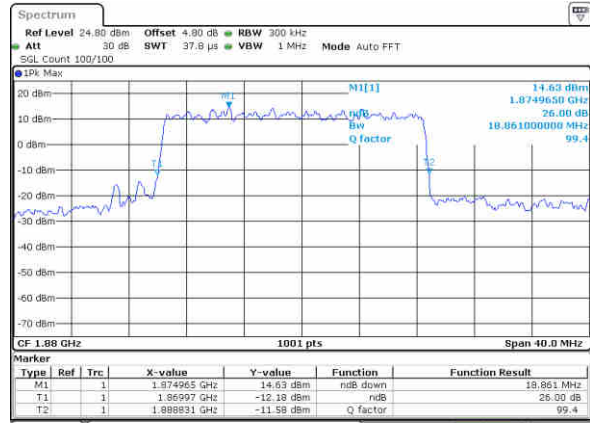
Date: 19 FEB 2020 02:08:17

Middle Channel / BPSK



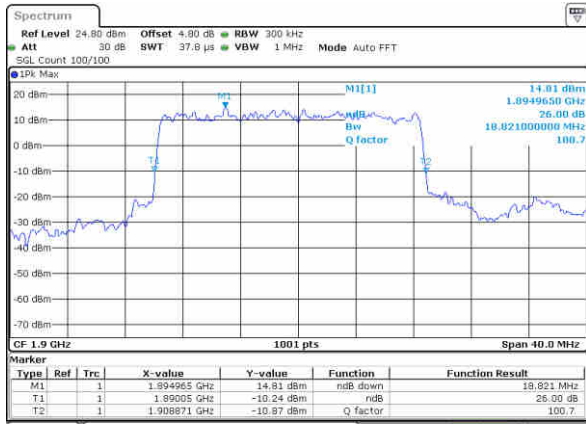
Date: 19 FEB 2020 02:52:43

Middle Channel / QPSK



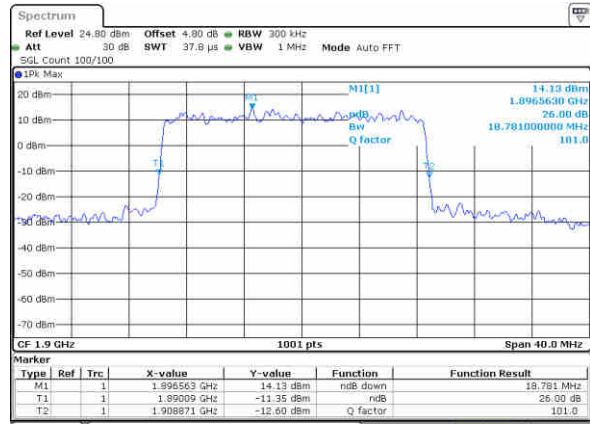
Date: 19 FEB 2020 02:46:43

Highest Channel / BPSK



Date: 19 FEB 2020 03:07:58

Highest Channel / QPSK



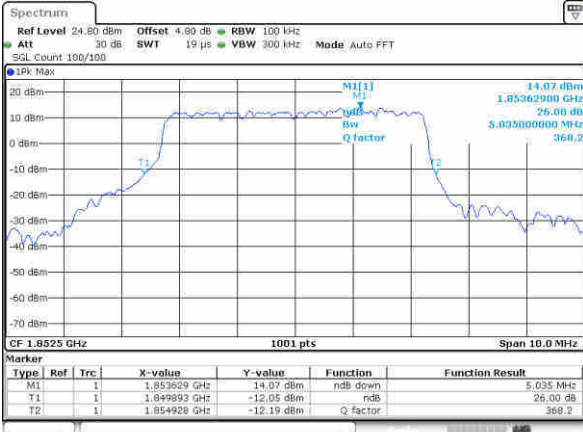
Date: 19 FEB 2020 02:57:00



EN-DC_12A_n2A

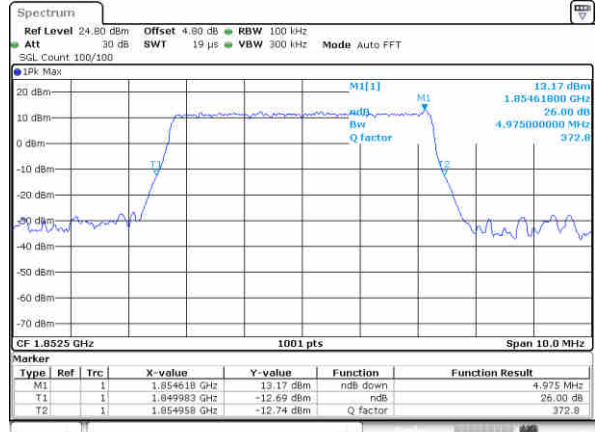
Combination LTE 10MHz + NR 5MHz

Lowest Channel / BPSK



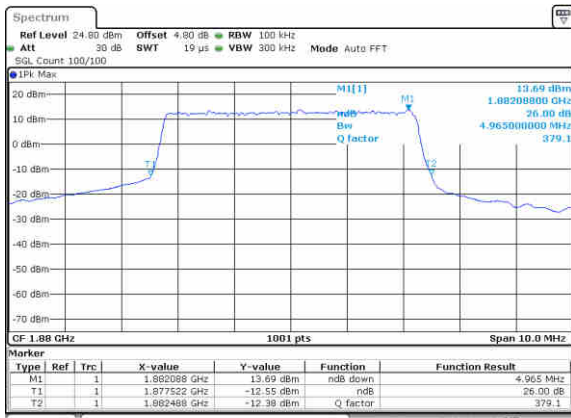
Date: 19 FEB.2020 20:36:31

Lowest Channel / QPSK



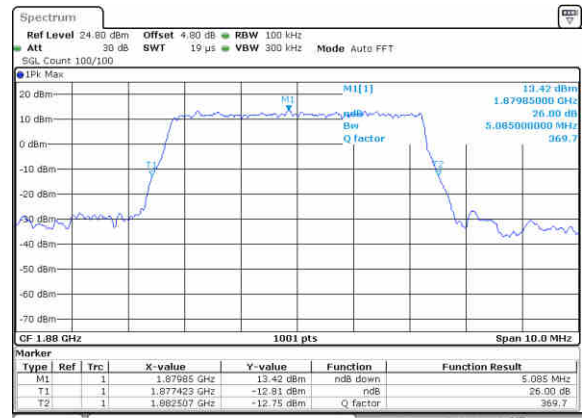
Date: 19 FEB.2020 20:37:45

Middle Channel / BPSK



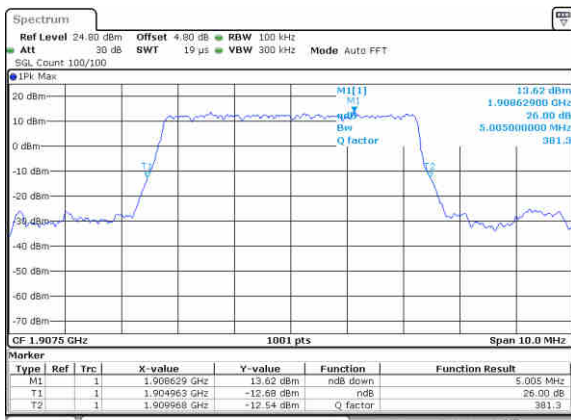
Date: 19 FEB.2020 20:34:49

Middle Channel / QPSK



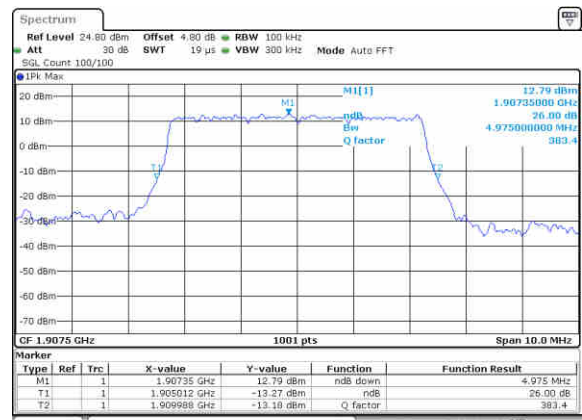
Date: 19 FEB.2020 20:34:06

Highest Channel / BPSK



Date: 19 FEB.2020 20:31:24

Highest Channel / QPSK



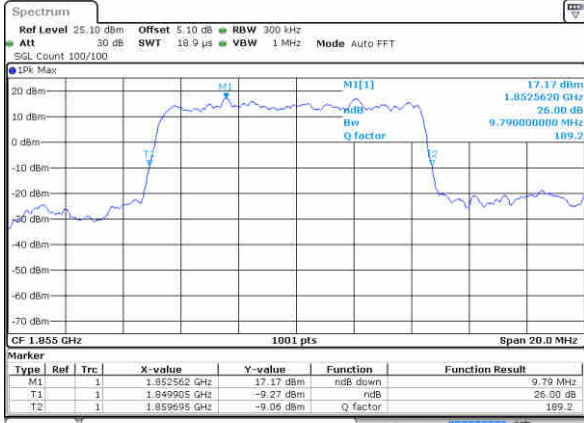
Date: 19 FEB.2020 20:31:57



EN-DC_12A_n2A

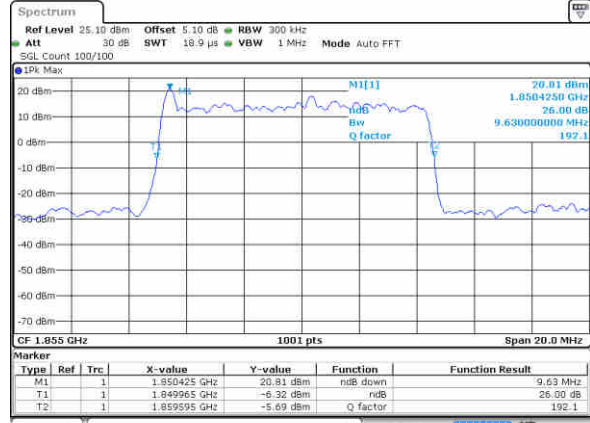
Combination LTE 10MHz + NR 10MHz

Lowest Channel / BPSK



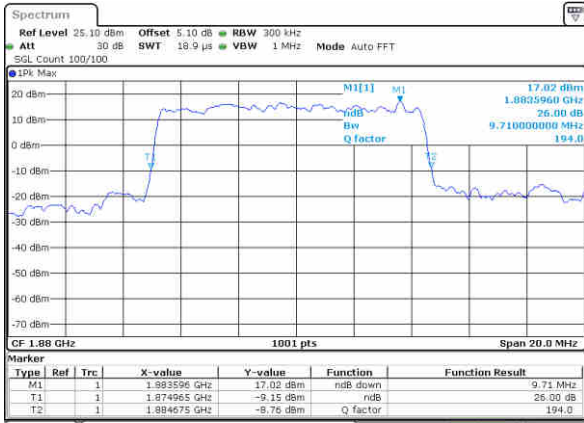
Date: 17 FEB 2020 22:32:07

Lowest Channel / QPSK



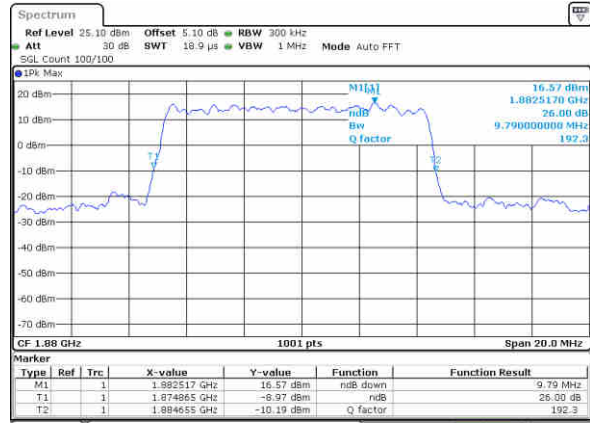
Date: 17 FEB 2020 22:33:21

Middle Channel / BPSK



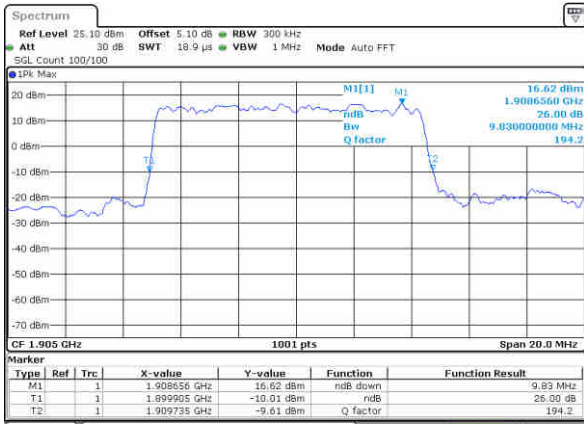
Date: 17 FEB 2020 22:23:07

Middle Channel / QPSK



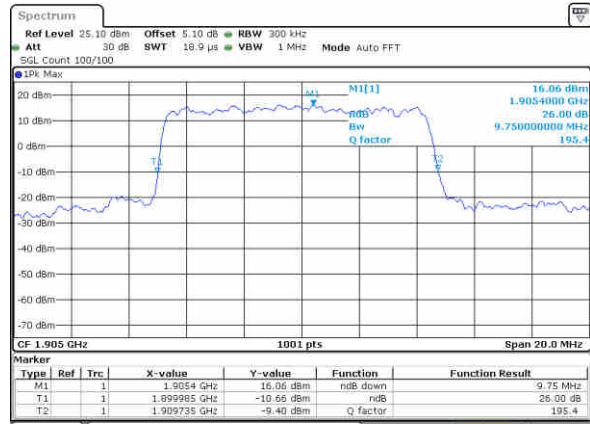
Date: 17 FEB 2020 22:22:28

Highest Channel / BPSK



Date: 17 FEB 2020 21:46:01

Highest Channel / QPSK



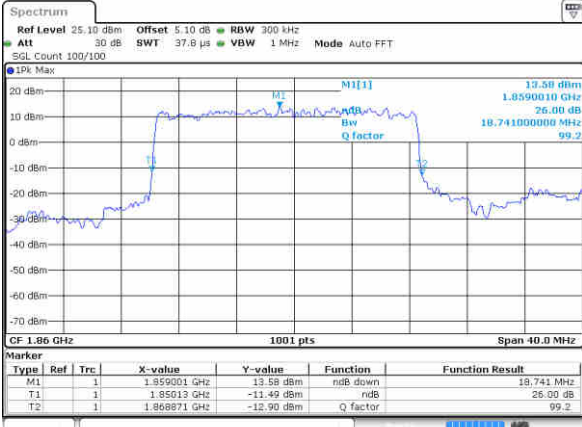
Date: 17 FEB 2020 21:46:48



EN-DC_12A_n2A

Combination LTE 10MHz + NR 20MHz

Lowest Channel / BPSK



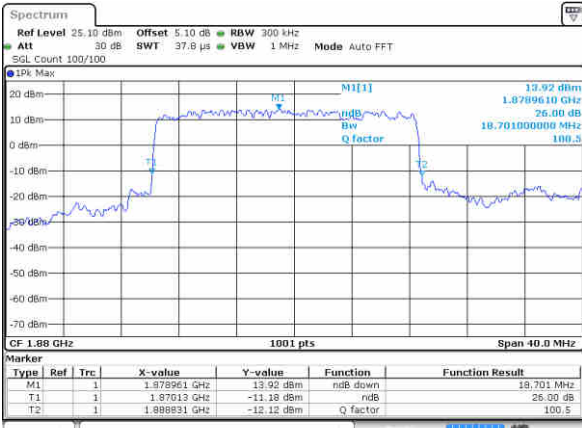
Date: 17 FEB 2020 20:21:22

Lowest Channel / QPSK



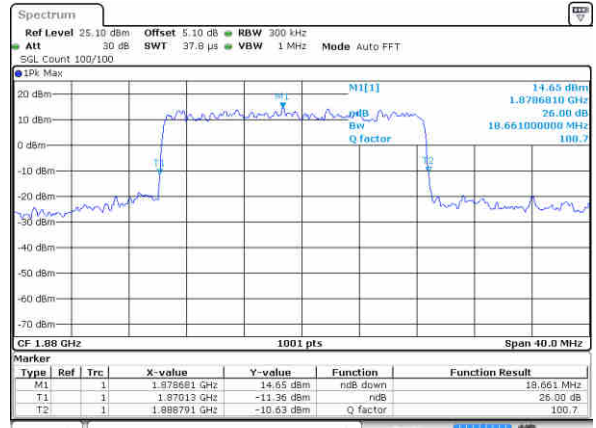
Date: 17 FEB 2020 20:22:15

Middle Channel / BPSK



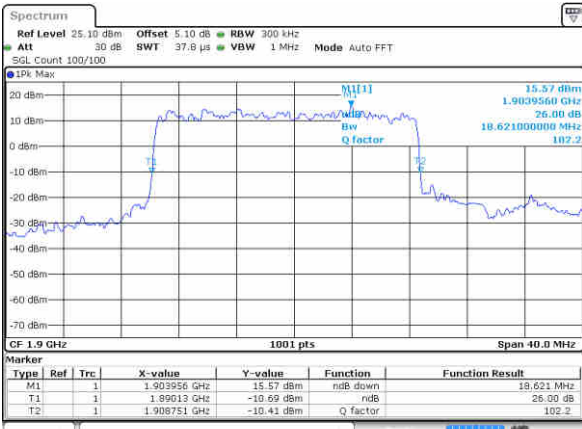
Date: 17 FEB 2020 20:43:38

Middle Channel / QPSK



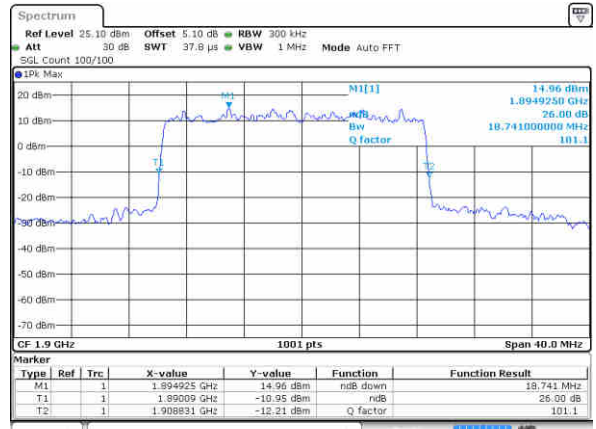
Date: 17 FEB 2020 20:41:40

Highest Channel / BPSK



Date: 17 FEB 2020 21:01:28

Highest Channel / QPSK



Date: 17 FEB 2020 21:02:20

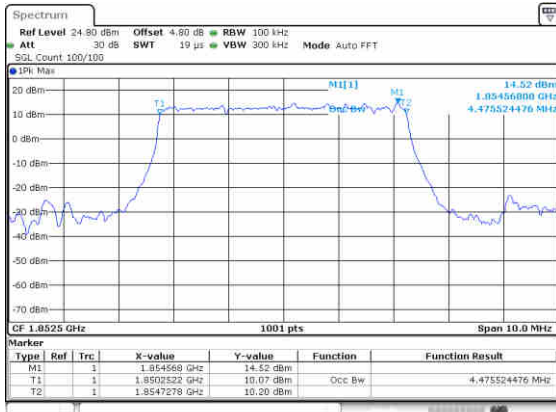


Occupied Bandwidth

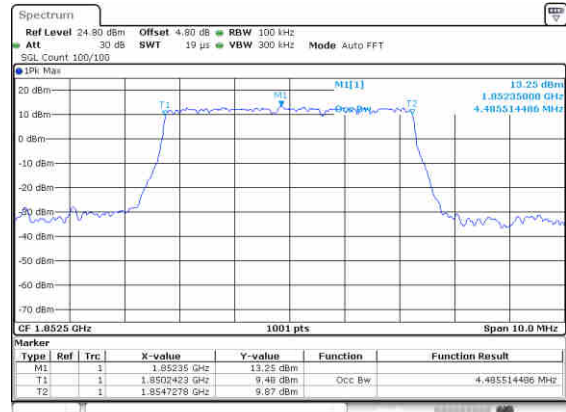
EN-DC_5A_n2A

Combination LTE 10MHz + NR 5MHz

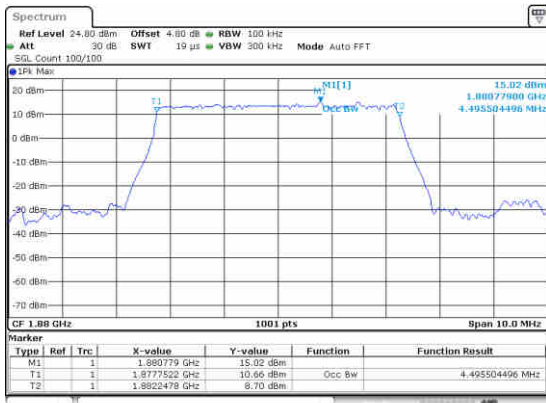
Lowest Channel / BPSK



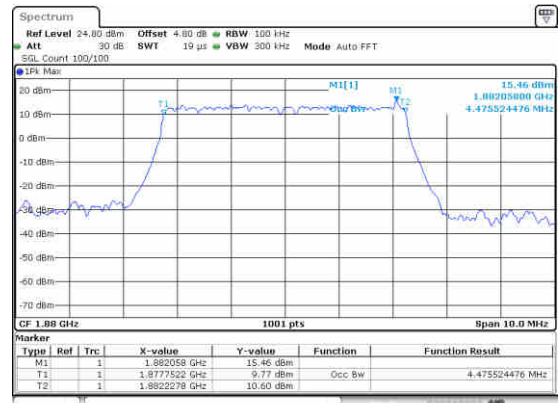
Lowest Channel / QPSK



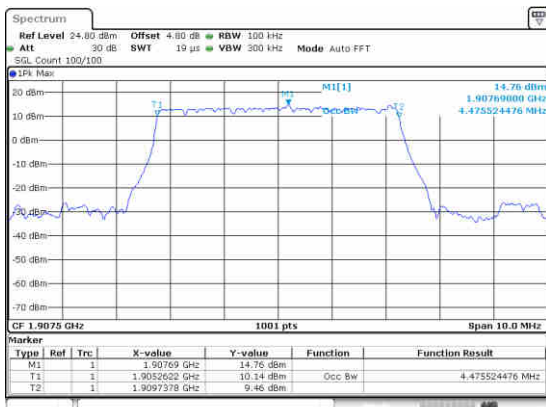
Middle Channel / BPSK



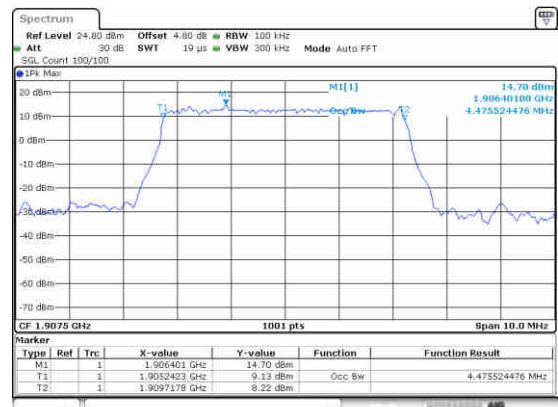
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

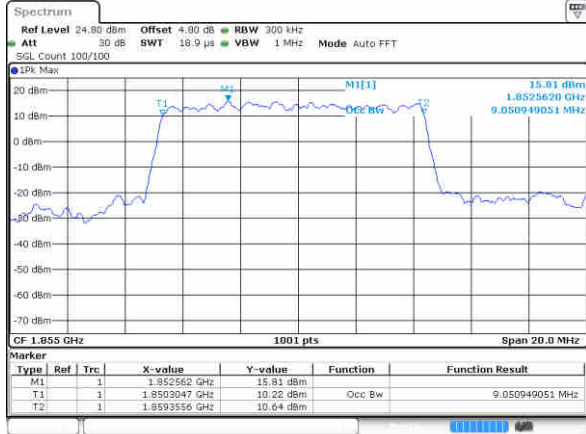




EN-DC_5A_n2A

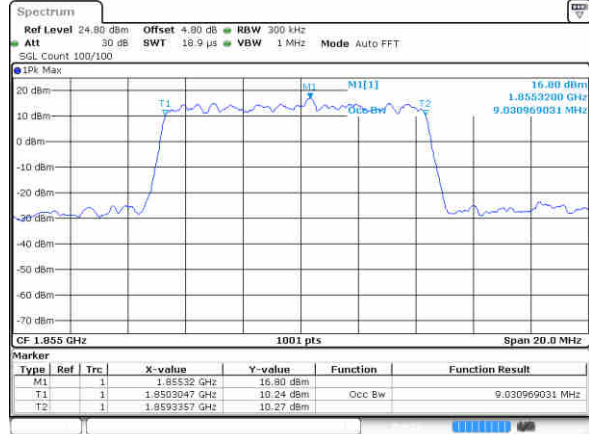
Combination LTE 10MHz + NR 10MHz

Lowest Channel / BPSK



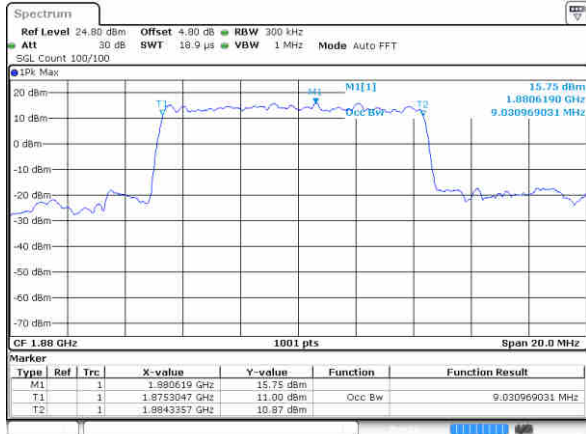
Date: 19 FEB 2020 05:46:11

Lowest Channel / QPSK



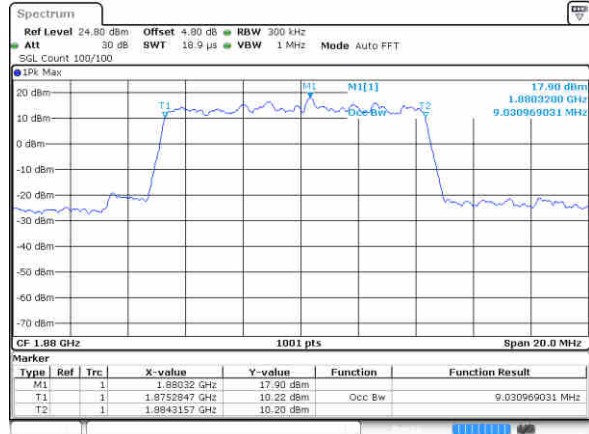
Date: 19 FEB 2020 06:00:20

Middle Channel / BPSK



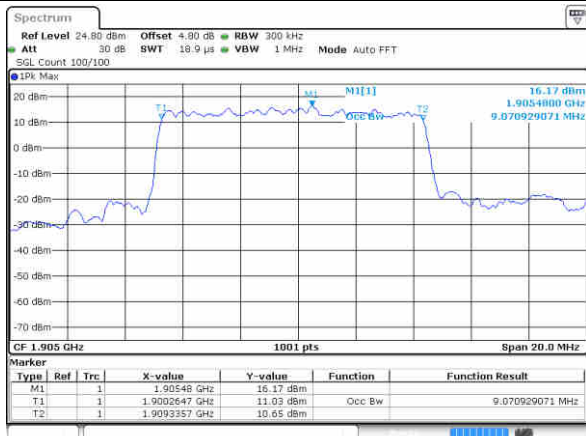
Date: 19 FEB 2020 06:32:15

Middle Channel / QPSK



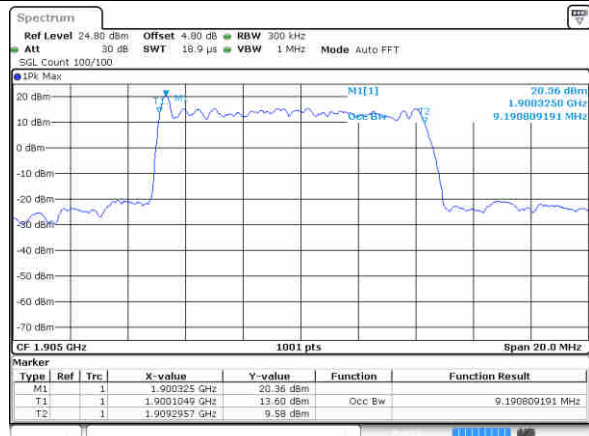
Date: 19 FEB 2020 06:25:56

Highest Channel / BPSK



Date: 19 FEB 2020 06:36:27

Highest Channel / QPSK



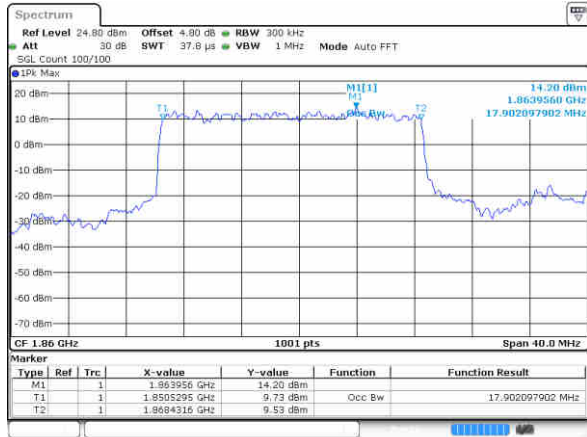
Date: 19 FEB 2020 06:47:39



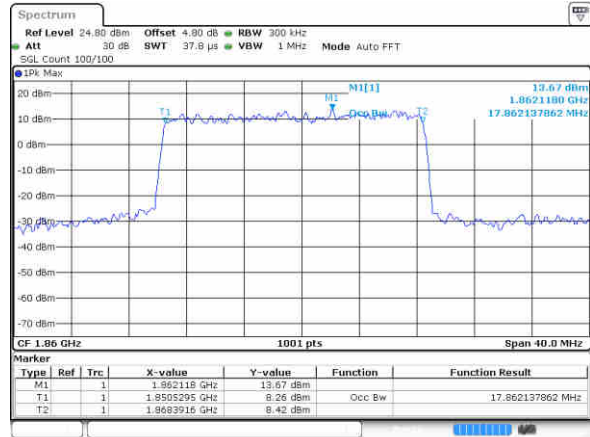
EN-DC_5A_n2A

Combination LTE 10MHz + NR 20MHz

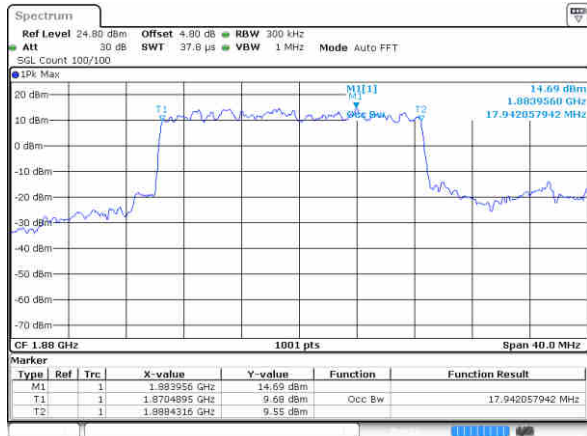
Lowest Channel / BPSK



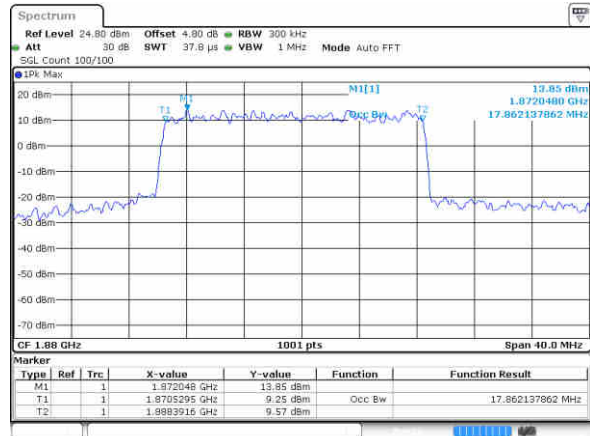
Lowest Channel / QPSK



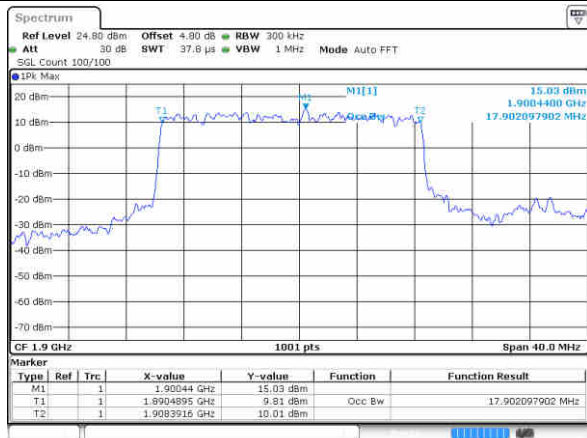
Middle Channel / BPSK



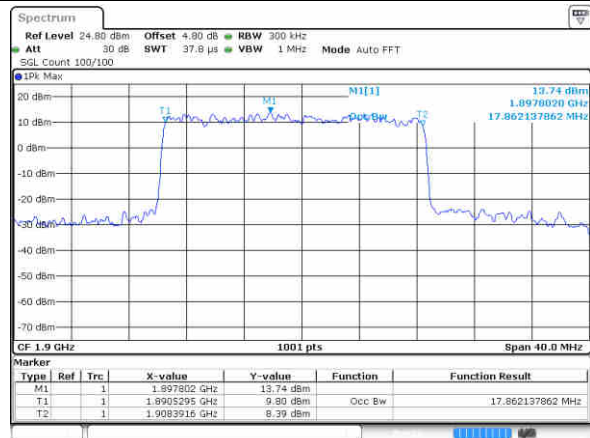
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

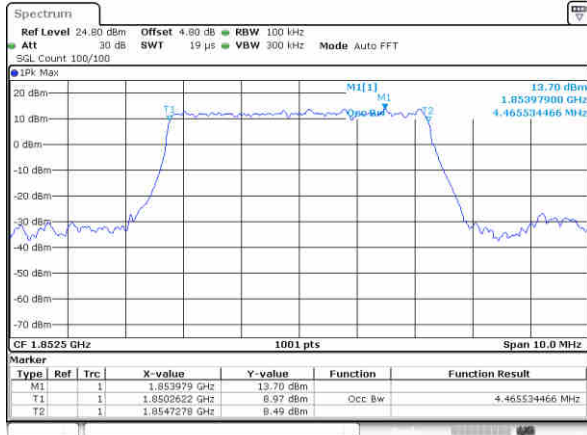




EN-DC_12A_n2A

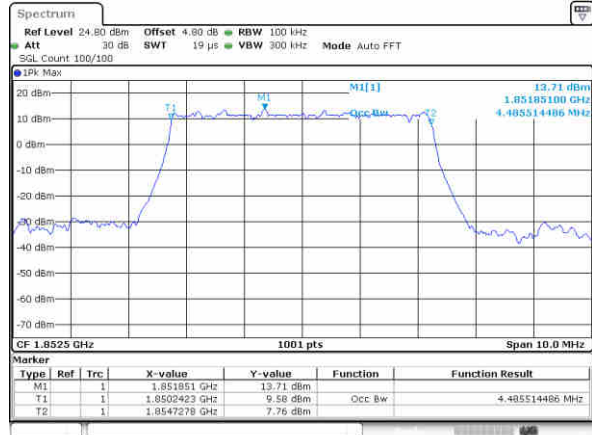
Combination LTE 10MHz + NR 5MHz

Lowest Channel / BPSK



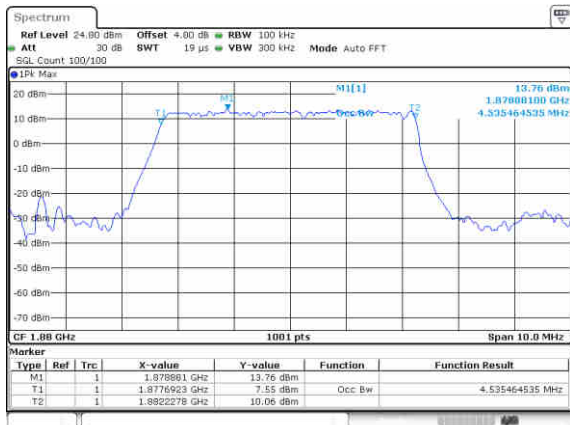
Date: 17 FEB 2020 02:43:33

Lowest Channel / QPSK



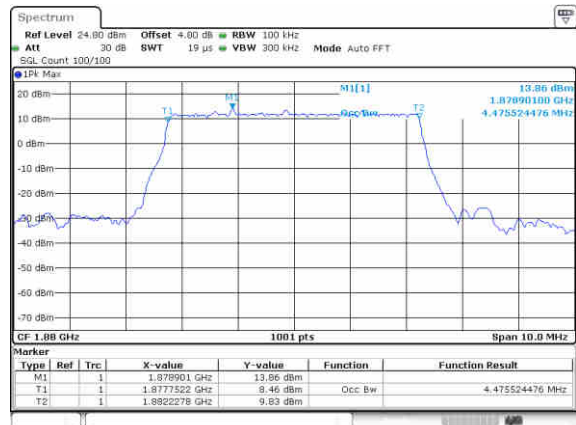
Date: 18 FEB 2020 11:06:44

Middle Channel / BPSK



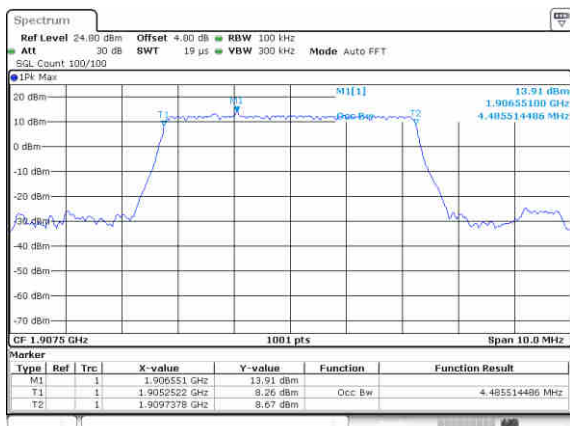
Date: 17 FEB 2020 02:41:54

Middle Channel / QPSK



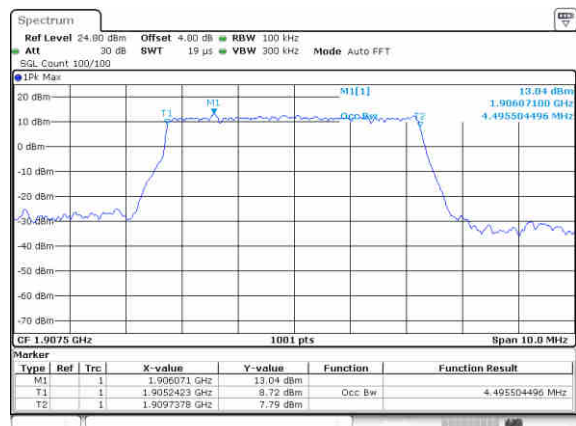
Date: 17 FEB 2020 02:42:22

Highest Channel / BPSK



Date: 21 FEB 2020 13:18:29

Highest Channel / QPSK



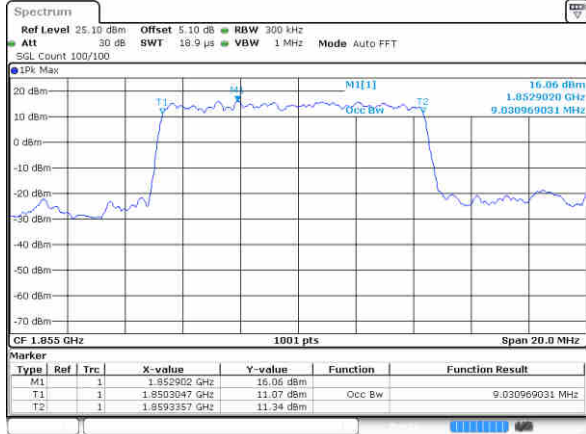
Date: 20 FEB 2020 16:28:53



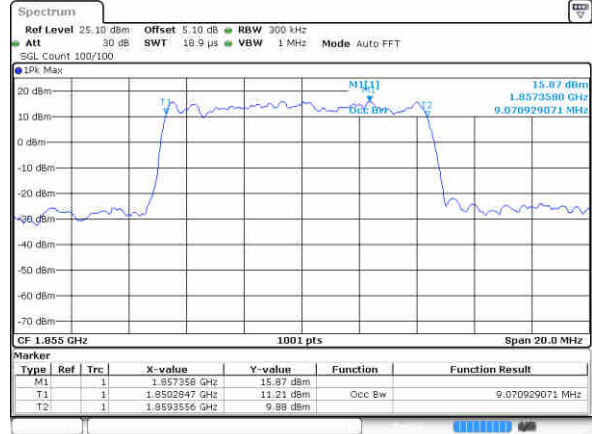
EN-DC_12A_n2A

Combination LTE 10MHz + NR 10MHz

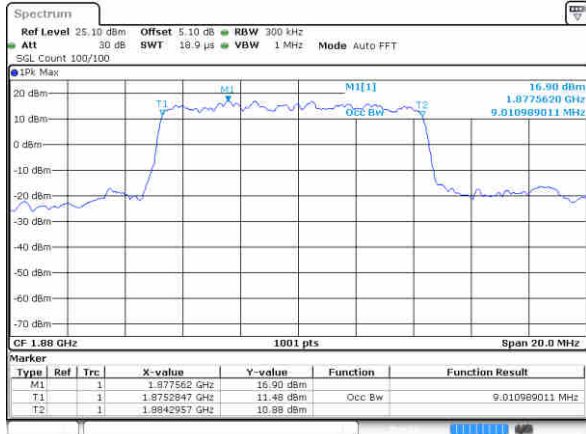
Lowest Channel / BPSK



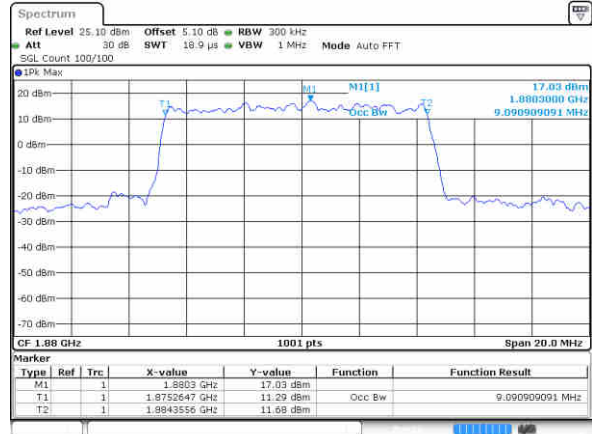
Lowest Channel / QPSK



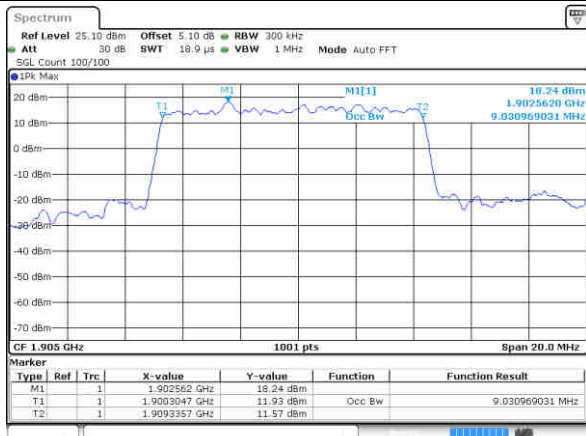
Middle Channel / BPSK



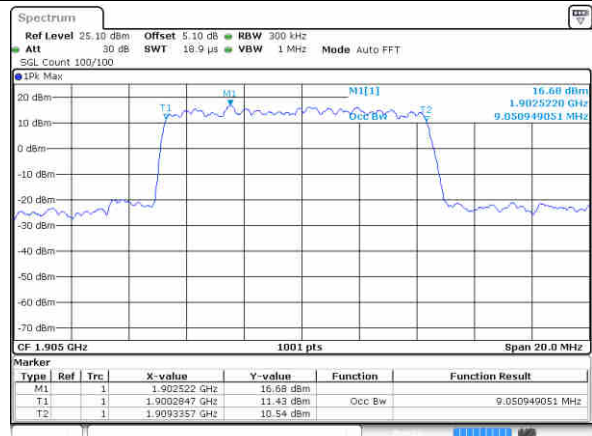
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

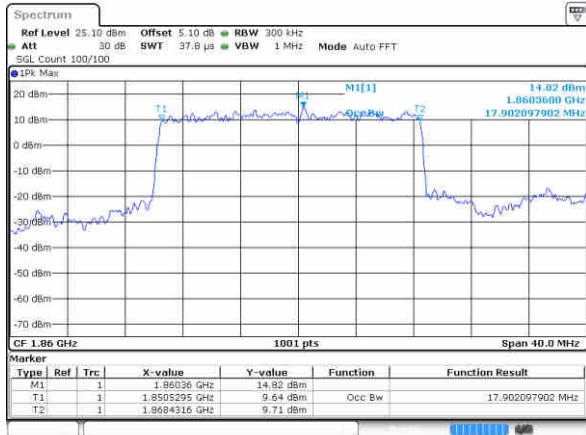




EN-DC_12A_n2A

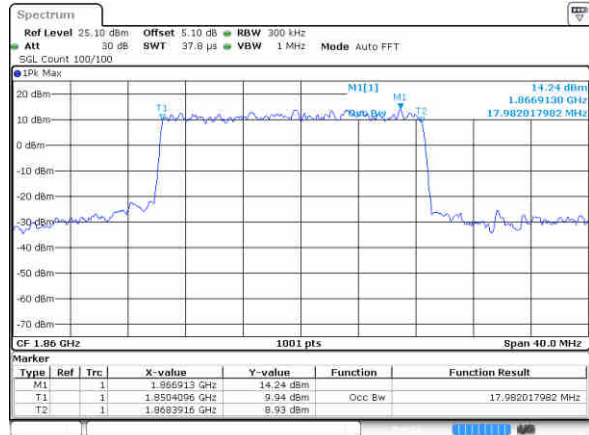
Combination LTE 10MHz + NR 20MHz

Lowest Channel / BPSK



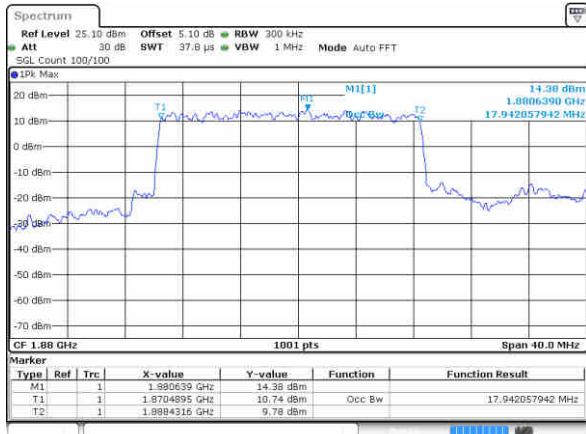
Date: 17 FEB 2020 20:21:11

Lowest Channel / QPSK



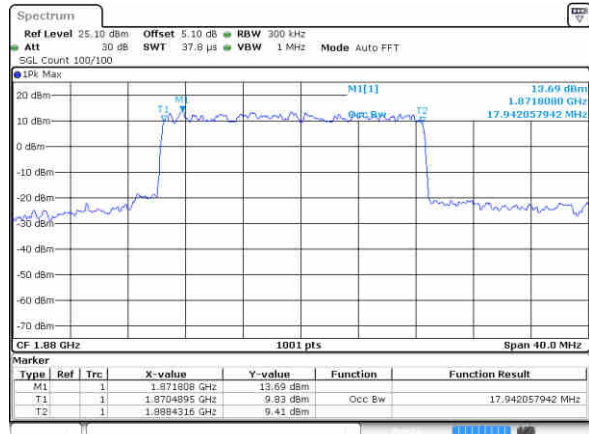
Date: 17 FEB 2020 20:22:24

Middle Channel / BPSK



Date: 17 FEB 2020 20:43:14

Middle Channel / QPSK



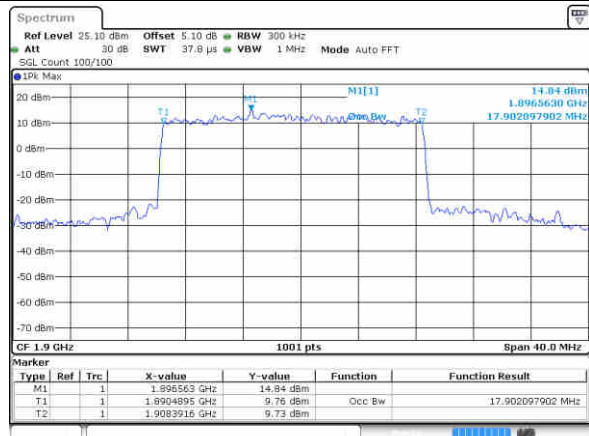
Date: 17 FEB 2020 20:41:32

Highest Channel / BPSK



Date: 17 FEB 2020 21:01:37

Highest Channel / QPSK



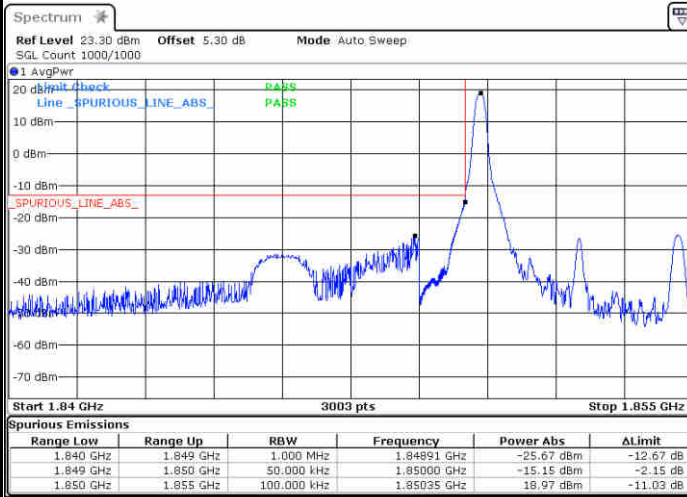
Date: 17 FEB 2020 21:02:00



Conducted Band Edge

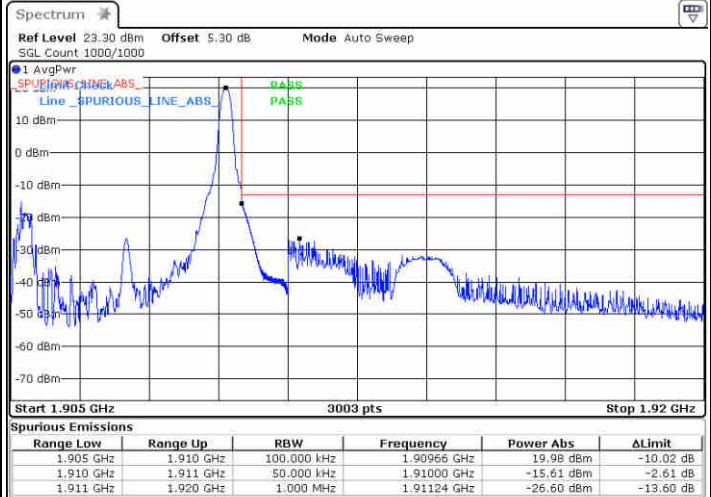
EN-DC_5A_n2A / LTE 10MHz + NR 5MHz / BPSK

Lowest Band Edge / 1RB0



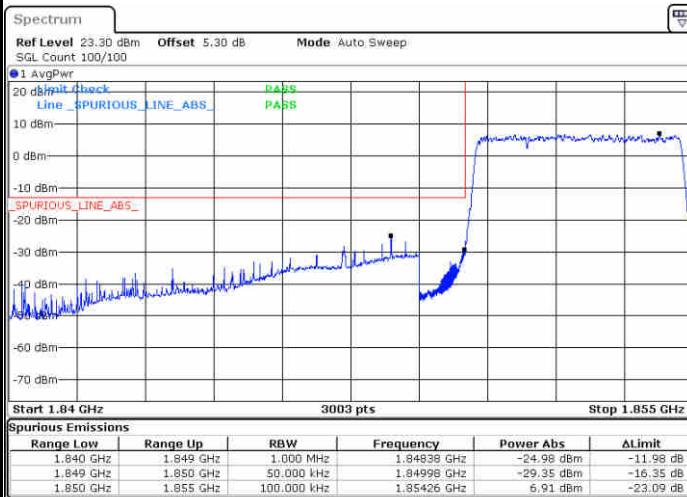
Date: 19 FEB 2020 07:20:39

Highest Band Edge / 1RB24



Date: 20 FEB 2020 23:36:58

Lowest Band Edge / 25RB0



Date: 19 FEB 2020 07:24:53

Highest Band Edge / 25RB0



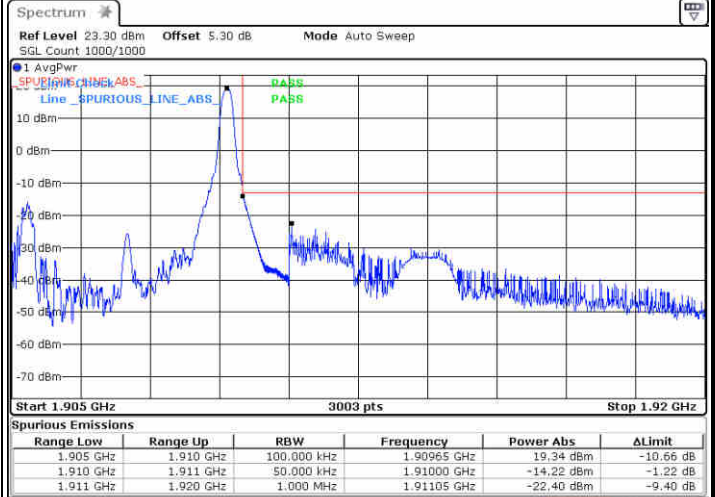
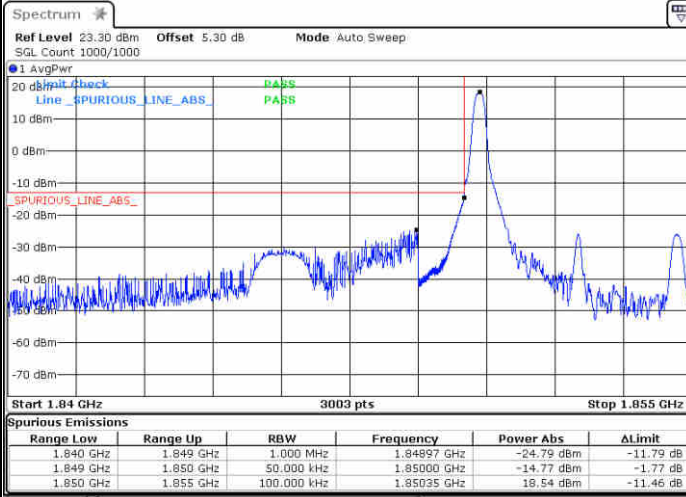
Date: 20 FEB 2020 23:37:42



EN-DC_5A_n2A / LTE 10MHz + NR 5MHz / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24

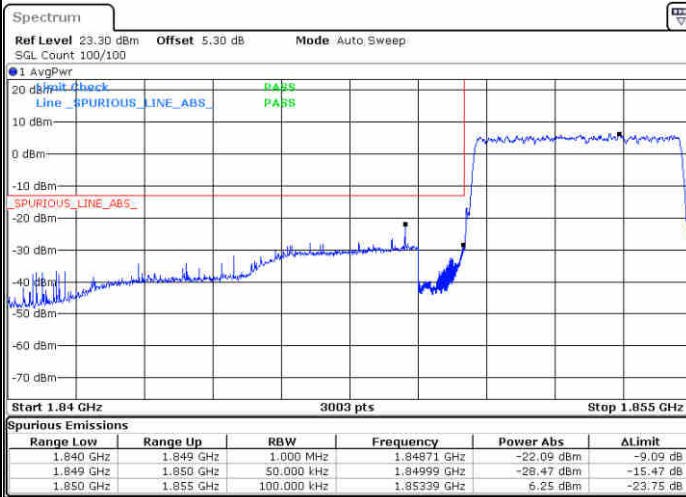


Date: 19.FEB.2020 07:00:21

Date: 20.FEB.2020 23:42:20

Lowest Band Edge / 25RB0

Highest Band Edge / 25RB0



Date: 19.FEB.2020 06:53:59

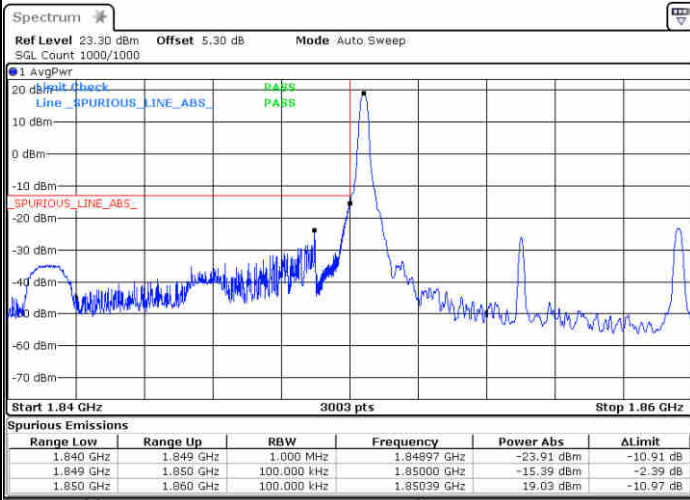
Date: 20.FEB.2020 23:40:09



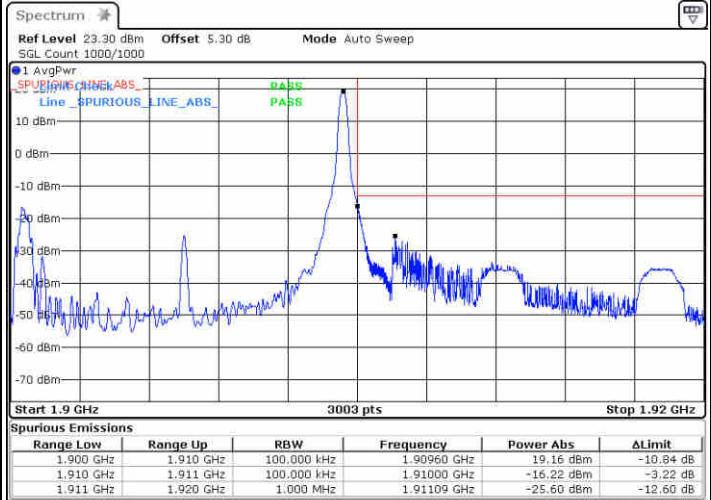
EN-DC_5A_n2A / LTE 10MHz + NR 10MHz / BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB51



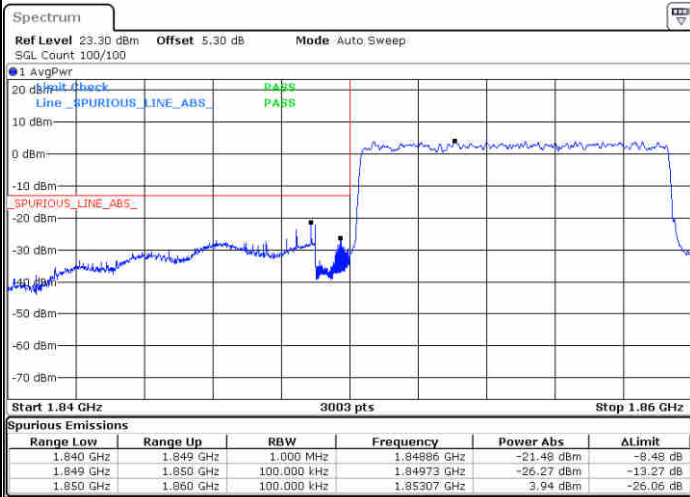
Date: 19.FEB.2020 05:49:07



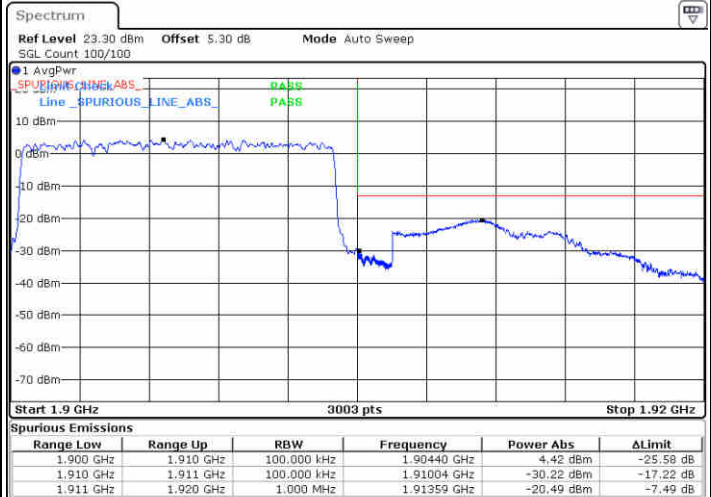
Date: 19.FEB.2020 06:42:51

Lowest Band Edge / 50RB0

Highest Band Edge / 50RB0



Date: 19.FEB.2020 05:46:41

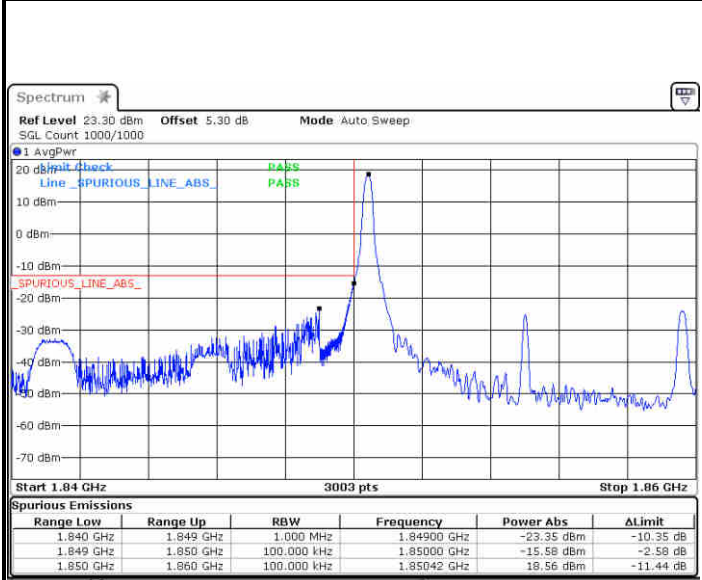


Date: 19.FEB.2020 06:36:54



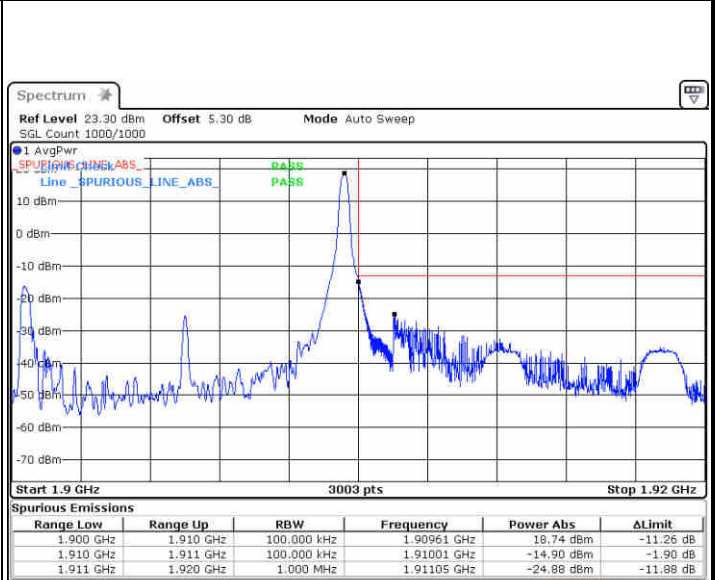
EN-DC_5A_n2A / LTE 10MHz + NR 10MHz / QPSK

Lowest Band Edge / 1RB0



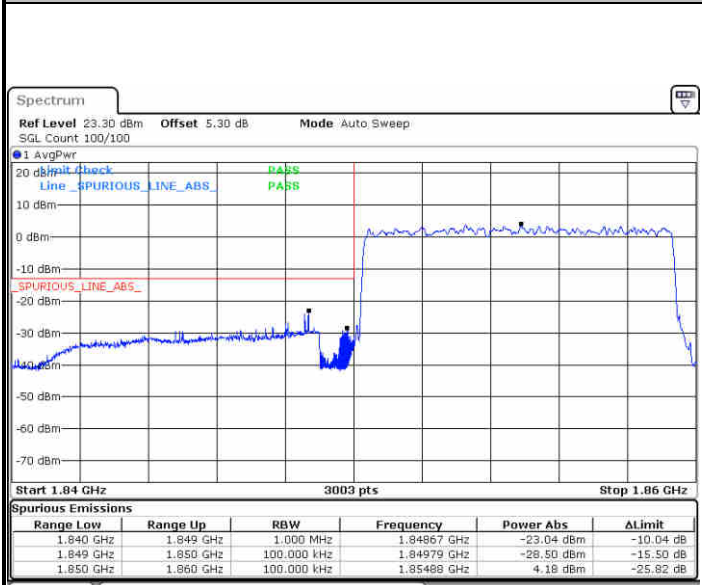
Date: 19.FEB.2020 05:58:24

Highest Band Edge / 1RB51



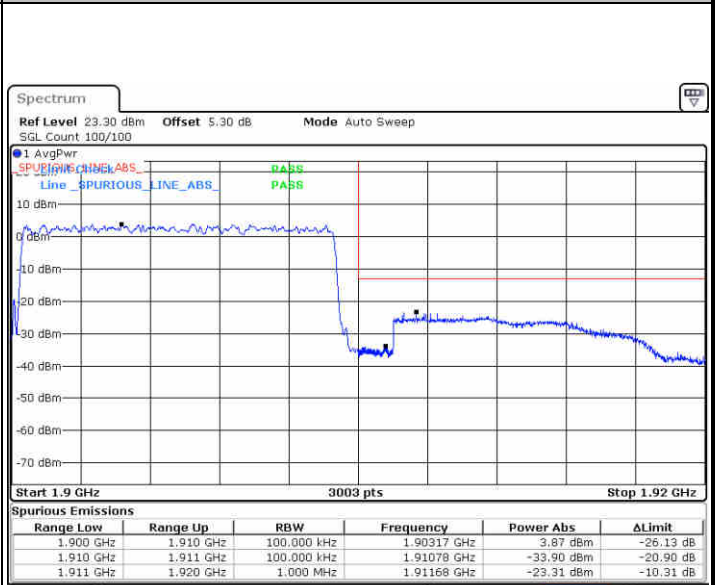
Date: 19.FEB.2020 06:44:02

Lowest Band Edge / 50RB0



Date: 19.FEB.2020 06:00:05

Highest Band Edge / 50RB0



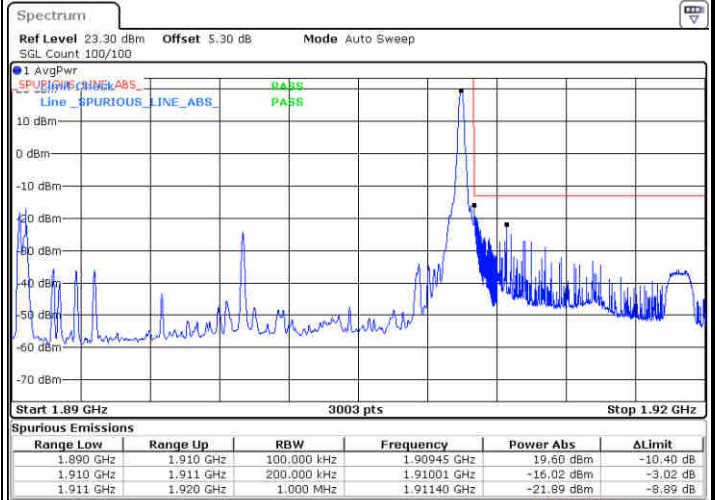
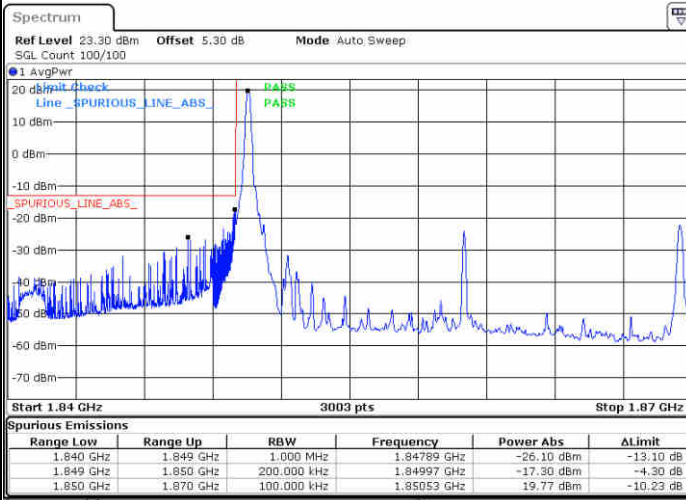
Date: 19.FEB.2020 06:48:05



EN-DC_5A_n2A / LTE 10MHz + NR 20MHz / BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105

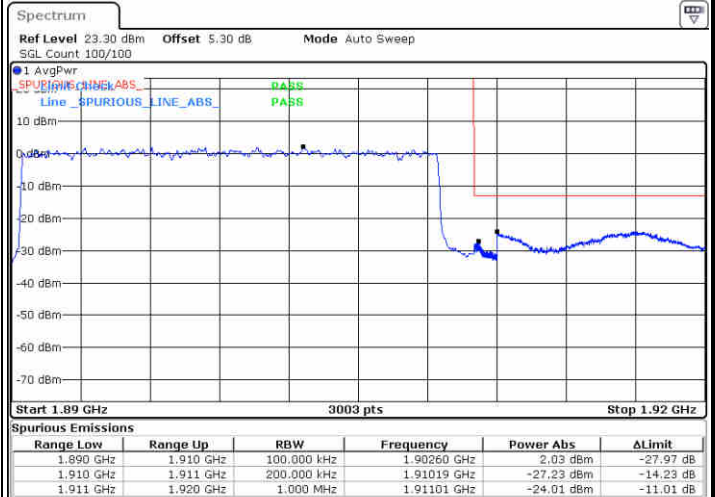
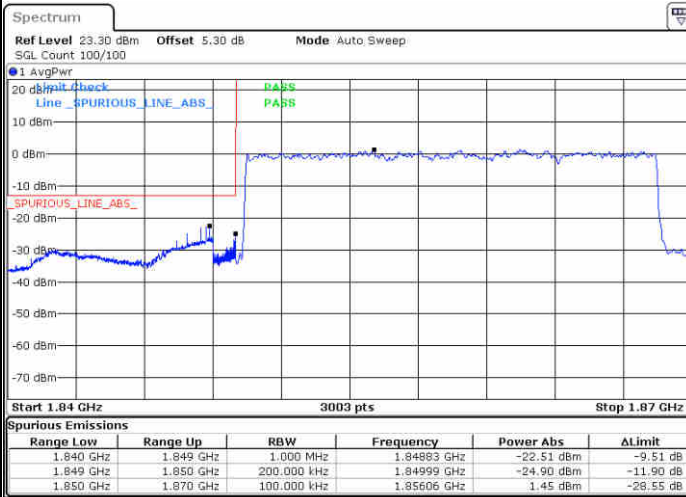


Date: 19.FEB.2020 02:16:49

Date: 19.FEB.2020 03:01:46

Lowest Band Edge / 100RB0

Highest Band Edge / 100RB0



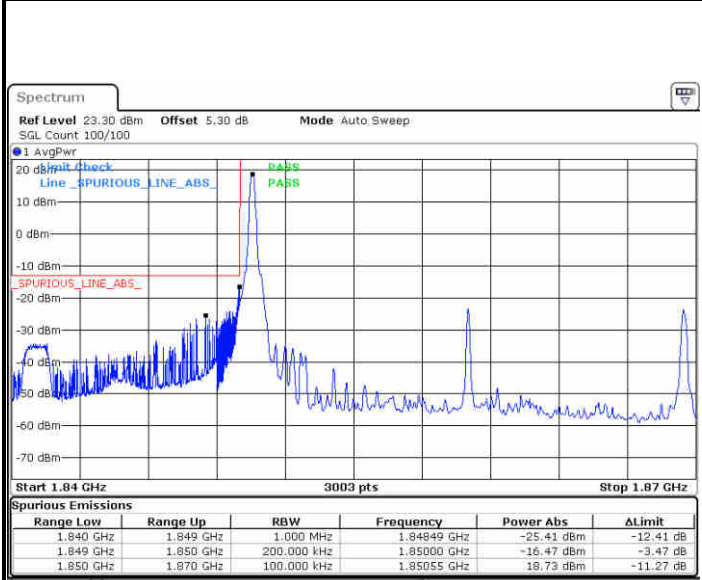
Date: 19.FEB.2020 02:16:22

Date: 19.FEB.2020 03:07:33



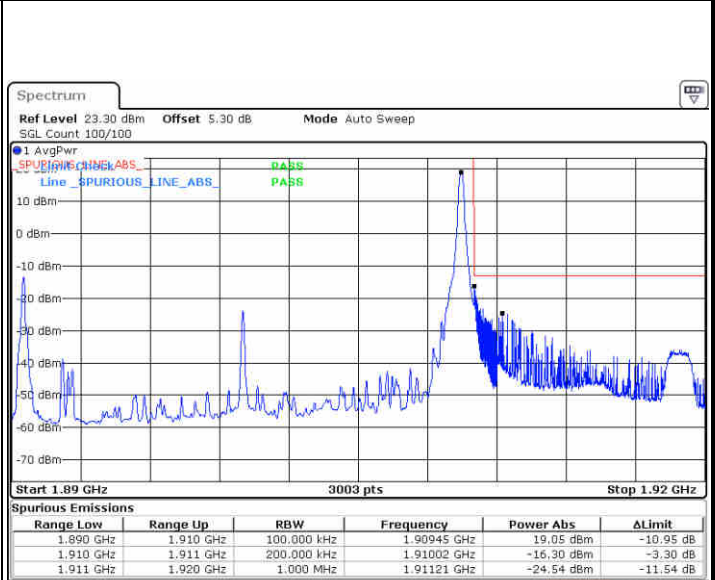
EN-DC_5A_n2A / LTE 10MHz + NR 20MHz / QPSK

Lowest Band Edge / 1RB0



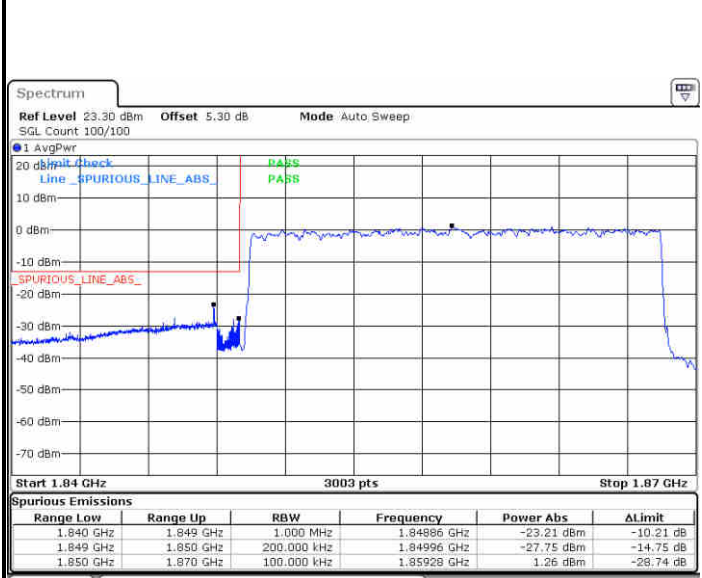
Date: 19.FEB.2020 02:09:05

Highest Band Edge / 1RB105



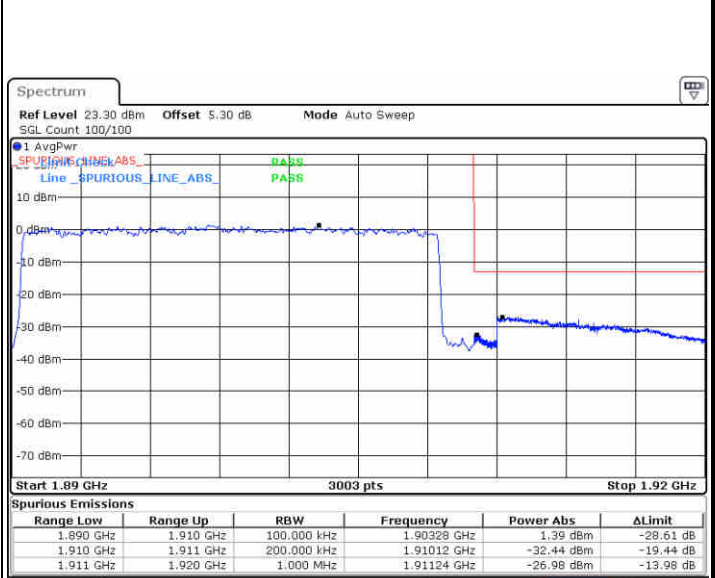
Date: 19.FEB.2020 03:01:05

Lowest Band Edge / 100RB0



Date: 19.FEB.2020 02:08:36

Highest Band Edge / 100RB0

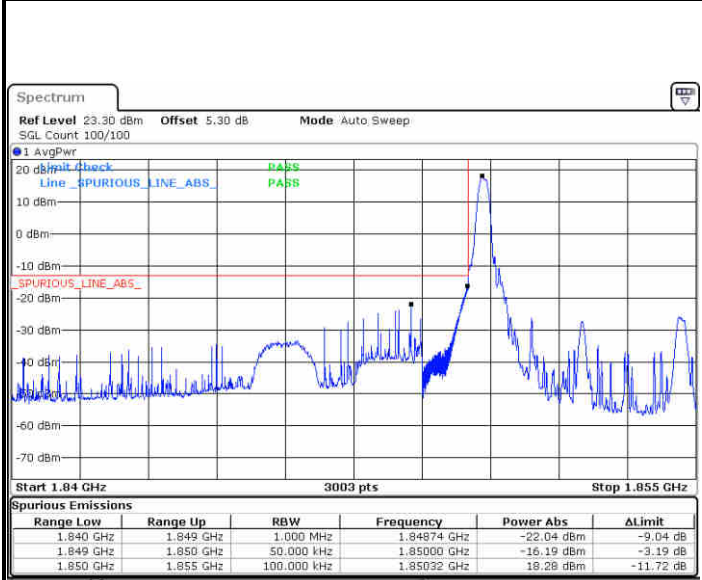


Date: 19.FEB.2020 02:57:17



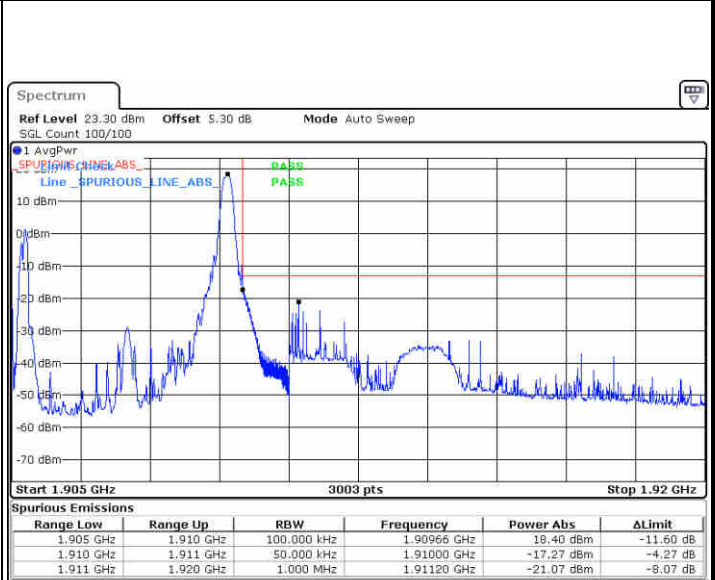
EN-DC_12A_n2A / LTE 10MHz + NR 5MHz / BPSK

Lowest Band Edge / 1RB0



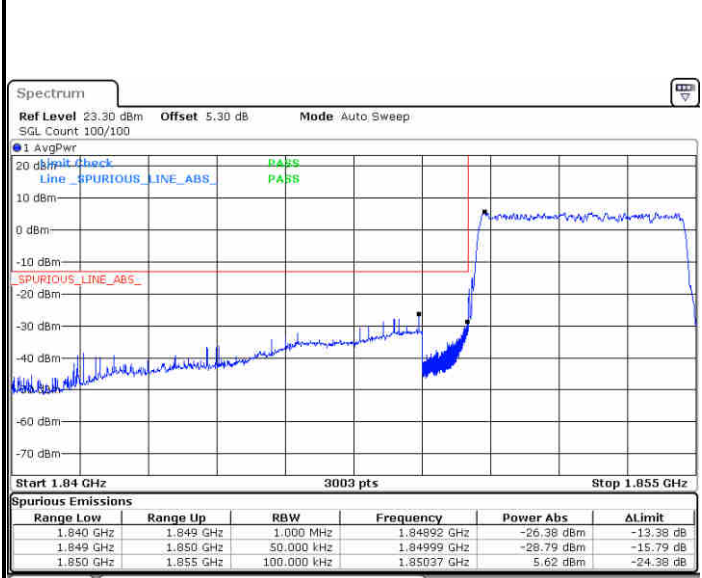
Date: 17.FEB.2020 01:57:42

Highest Band Edge / 1RB24



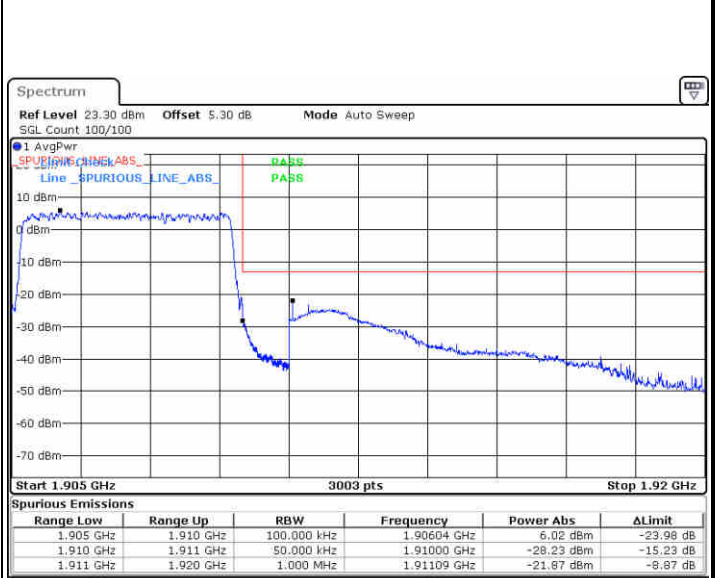
Date: 18.FEB.2020 13:56:55

Lowest Band Edge / 25RB0



Date: 18.FEB.2020 13:50:54

Highest Band Edge / 25RB0



Date: 17.FEB.2020 02:49:44