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Report

FCC and IC Testing of the Ericsson NR KRC161823/1 Band 2 (1900 MHz) of Radio 4455 B2/B25 B66A Base Station in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 24, Industry Canada RSS-GEN and Industry Canada RSS-133

COMMERCIAL-IN-CONFIDENCE

FCC ID: TA8AKRC161823-1

IC ID: 287AB-AS1618231

PREPARED BY

A handwritten signature in black ink, appearing to read "Daria Fiedorowicz".

Daria Fiedorowicz
Senior Administrator
(Technical)

APPROVED BY

A handwritten signature in black ink, appearing to read "Steve Scarfe".

Steve Scarfe
Authorised Signatory

DATED

06 December 2019

Document 75947298 Report 10 Issue 1

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SECTION 1

REPORT INFORMATION



1.1 REPORT DETAILS

Manufacturer	Ericsson
Address	Torshamnsgatan 23 Kista SE-16480 Stockholm Sweden
Product Name & Product Number	Radio 4455 B2/B25/B66A & KRC 161 823/1
IC Model Name	AS1618231
Serial Number(s)	D829275242
Software Version	CXP9013268/15 REV. R80EY
Hardware Version	R1C
Test Specification/Issue/Date	FCC CFR 47 Part 2: 2018 FCC CFR 47 Part 24: 2018 Industry Canada RSS-GEN: Issue 5 Amdt 1: 2019 Industry Canada RSS-133: Issue 6: 2013, Amdt Jan 2018
Start of Test	21 November 2019
Finish of Test	22 November 2019
Name of Engineer(s)	Daniel Bishop
Related Document(s)	KDB 971168 D01 v02r02 KDB 662911 D01 v02r01

ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate compliance with FCC CFR 47 Part 24. The sample tested was found to comply with the requirements defined in the applied rules.

Test Engineer(s);

Daniel Bishop



1.2 BRIEF SUMMARY OF RESULTS

A brief summary of results for each configuration, in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 24, Industry Canada RSS-GEN and Industry Canada RSS-133 is shown below

Section	Specification Clause				Test Description	Result
	FCC CFR 47 Part 2	FCC CFR 47 Part 24	RSS-GEN	RSS-133		
2.1	2.1046	24.232 (a)	-	6.4	Maximum Peak Output Power and Peak to Average Ratio - Conducted	Pass
2.2	2.1049	24.238 (b)	6.6	-	Occupied Bandwidth	Pass
2.3	2.1051	24.238 (b)	-	6.5	Band Edge	Pass
2.4	2.1051	24.238 (a)	-	6.5	Transmitter Spurious Emissions	Pass



1.3 CONFIGURATION DESCRIPTION

Configuration	RAT	No. Of carriers	Carrier Bandwidth	Carrier Frequency Configuration (MHz)		
				Bottom	Middle	Top
A	NR	1	5 MHz – SCS 15kHz	1932.5	-	1987.5
	NR	1	10 MHz – SCS 15kHz	1935.0	-	1985.0
	NR	1	15 MHz – SCS 15kHz	1937.5	-	1982.5
	NR	1	20 MHz – SCS 15kHz	1940.0	-	1980.0
	NR	1	20 MHz – SCS 60kHz	1940.0	-	1980.0

1.4 DECLARATION OF BUILD STATUS

DECLARATION OF BUILD STATUS

MAIN EUT	
MANUFACTURING DESCRIPTION	Radio Unit
MANUFACTURER	Ericsson AB
PRODUCT NAME	Radio 4455 B2/B25 B66A
PART NUMBER	KRC161823/1
IC Model Name	AS1618231
SERIAL NUMBER	D829275242
HARDWARE VERSION	R1C
SOFTWARE VERSION	CXP 901 3268/15 - R80EY
TRANSMITTER OPERATING RANGE	B2: 1930-1990 MHz B25: 1930-1995 MHz B66A: 2110-2180 MHz (WCDMA: 2110 to 2155 MHz)
MODULATIONS	WCDMA: QPSK, 16QAM, 64QAM LTE & NR: QPSK, 16QAM, 64QAM, 256QAM
ITU DESIGNATION OF EMISSION	WCDMA 5 MHz BW channel: 5M00F9W NB-IoT SA channel: 200KG7D LTE 5 MHz BW channel: 5M00F9W LTE 10 MHz BW channel: 10M0F9W LTE 15 MHz BW channel: 15M0F9W LTE 20 MHz BW channel: 20M0F9W NR 5 MHz BW channel: 4M47W7D NR 10 MHz BW channel: 9M29W7D NR 15 MHz BW channel: 14M1W7D NR 20 MHz BW channel: 18M9W7D NR 20+20 MHz BW channel CA: 37M8W7D
OUTPUT POWER (RMS) (W or dBm)	4 ports, 30W per port (single band) 40W per port (Multi band)
FCC ID	TA8AKRC161823-1
IC ID	287AB-AS1618231
TECHNICAL DESCRIPTION (a brief description of the intended use and operation)	Base station radio

Supports NB IoT for LTE (IB, GB, SA)

Signature

Audun B Helle
Audun Helle

Date

2019-12-03

No responsibility will be accepted by TÜV SÜD Product Service UK Limited as to the accuracy of the information declared in this document by the manufacturer.

1.5 PRODUCT INFORMATION

1.5.1 Technical Description

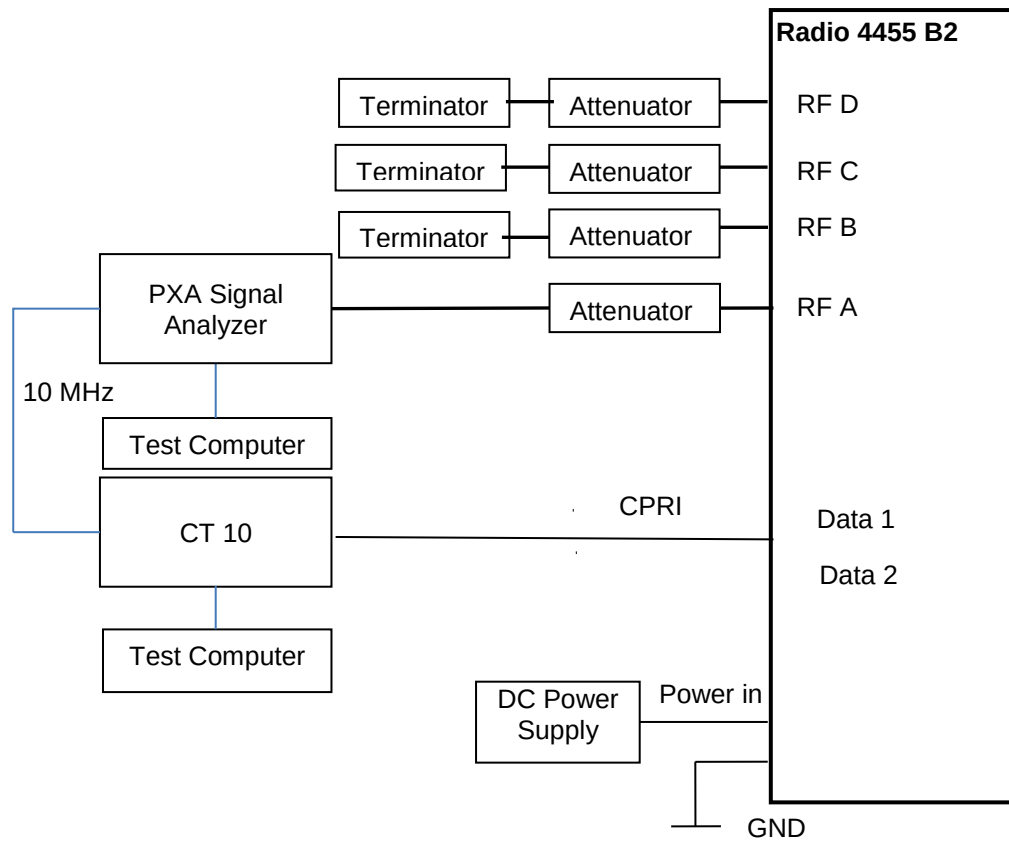
The Equipment Under Test (EUT) Radio 4455 B2/B25/B66A is an Ericsson AB Radio Unit working in the public mobile service 1900 MHz band which provides communication connections to 1900 MHz network. The Radio 4455 B2/B25/B66A operates from a -48V DC supply.

The Equipment Under Test (EUT) is shown in the photograph below. A full technical description can be found in the Manufacturer's documentation.



Equipment Under Test

1.6 TEST SETUP





1.7 TEST CONDITIONS

For all tests the EUT was set up in accordance with the relevant test standard and to represent typical operating conditions. Tests were applied with the EUT situated in a shielded enclosure, test laboratories or a chamber as appropriate.

The EUT was powered from a -48V DC supply.

FCC Measurement Facility Registration Number
90987 Octagon House, Fareham Test Laboratory

Industry Canada Accreditation
IC2932B-1 Octagon House, Fareham Test Laboratory

1.8 DEVIATION FROM THE STANDARD

No deviations from the applicable test standards or test plan were made during testing.

1.9 MODIFICATION RECORD

No modifications were made to the EUT during testing.

1.10 ALTERNATIVE TEST SITE

Under our group UKAS Accreditation, TÜV SÜD conducted the following tests at Ericsson in Fareham, UK.

Test Name	Name of Engineer(s)
Maximum Peak Output Power and Peak to Average Ratio - Conducted	Daniel Bishop
Occupied Bandwidth	Daniel Bishop
Band Edge	Daniel Bishop
Transmitter Spurious Emissions	Daniel Bishop



SECTION 2

TEST DETAILS



2.1 MAXIMUM PEAK OUTPUT POWER AND PEAK TO AVERAGE RATIO - CONDUCTED

2.1.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1046
FCC CFR 47 Part 24, Clause 24.232 (a)
Industry Canada RSS-133, Clause 6.4

2.1.2 Date of Test and Modification State

21 November 2019 - Modification State 0

2.1.3 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.1.4 Environmental Conditions

Ambient Temperature 22.8°C
Relative Humidity 40.1%

2.1.5 Test Method

All measurements were made in accordance with FCC KDB 971168 D01, clause 5.2.1 and summed in accordance with FCC KDB 662911 D01.

2.1.6 Test Results

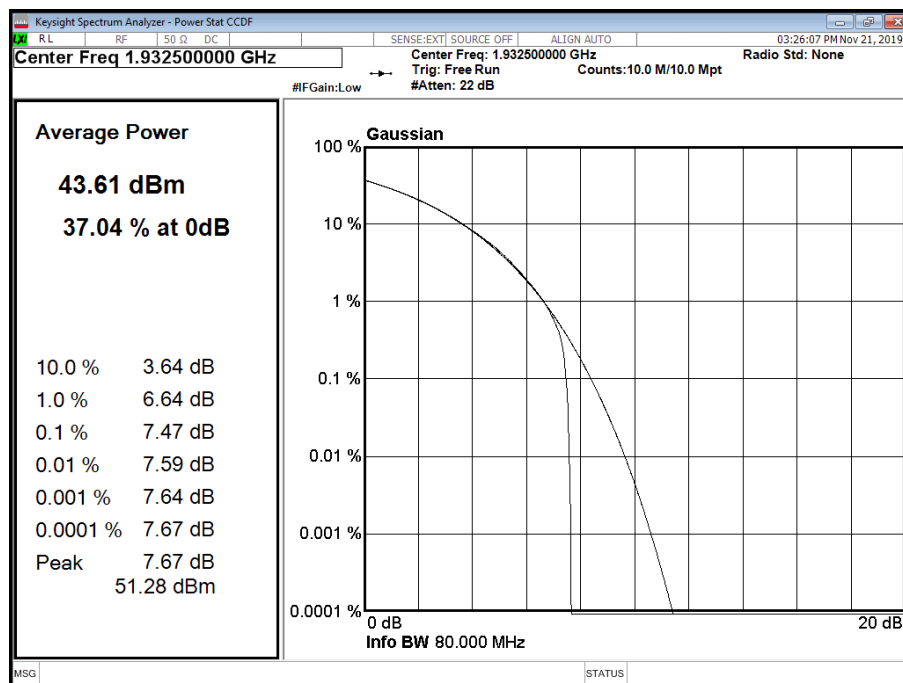
Configuration A

Maximum Output Power 46 dBm

Antenna	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position B		
			PAR (dB)	Average Power	
				dBm	dBm/MHz
A	QPSK	5.0 MHz 15 kHz SCS	7.47	43.68	37.82
A	QPSK	10.0 MHz 15 kHz SCS	-	43.81	-
A	QPSK	15.0 MHz 15 kHz SCS	-	43.98	-
A	QPSK	20.0 MHz 15 kHz SCS	-	43.83	-
A	QPSK	20.0 MHz 60 kHz SCS	-	43.90	-



Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position B



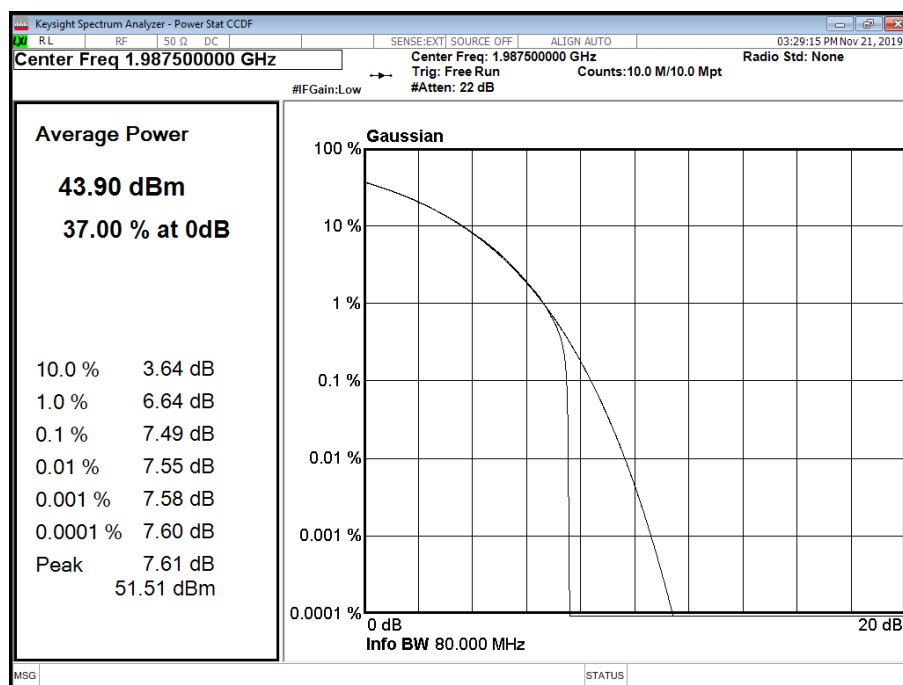
Configuration A

Maximum Output Power 46 dBm

Antenna	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position T		
			PAR (dB)	Average Power	
				dBm	dBm/MHz
A	QPSK	5.0 MHz 15 kHz SCS	7.49	43.97	38.03
A	QPSK	10.0 MHz 15 kHz SCS	-	44.11	-
A	QPSK	15.0 MHz 15 kHz SCS	-	44.07	-
A	QPSK	20.0 MHz 15 kHz SCS	-	43.72	-
A	QPSK	20.0 MHz 60 kHz SCS	-	43.91	-



Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position T



Limit	
Peak Power	≤500 W or ≤+57 dBm
Peak to Average Ratio	13 dB



2.2 OCCUPIED BANDWIDTH

2.2.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1049
FCC CFR 47 Part 24, Clause 24.238 (b)
Industry Canada RSS-GEN, Clause 6.6

2.2.2 Date of Test and Modification State

21 November 2019 - Modification State 0

2.2.3 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.2.4 Environmental Conditions

Ambient Temperature 22.8°C
Relative Humidity 40.1%

2.2.5 Test Method

All measurements were made in accordance with FCC KDB 971168 D01.

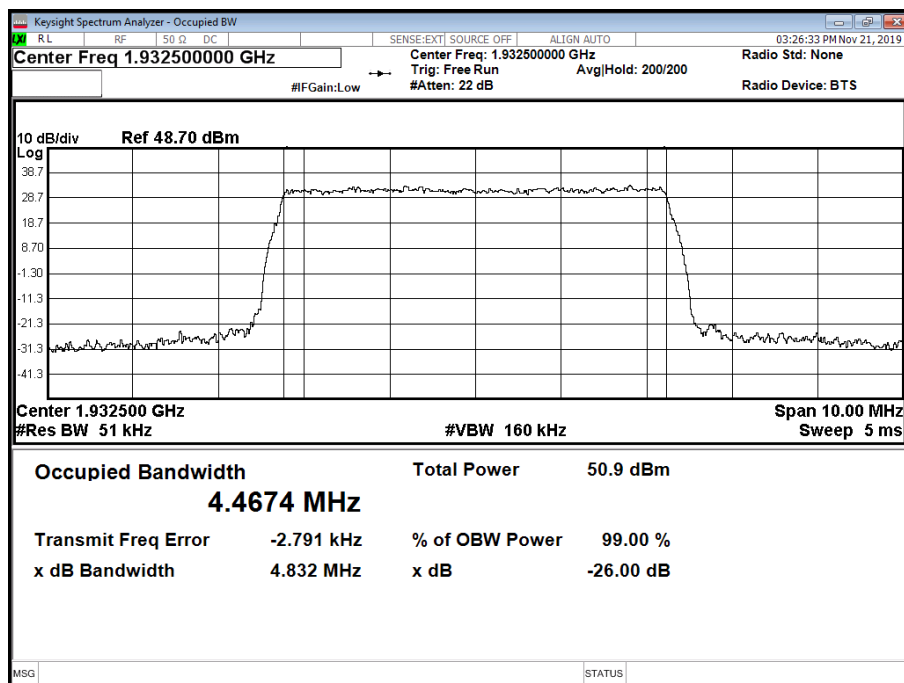
2.2.6 Test Results

Configuration A

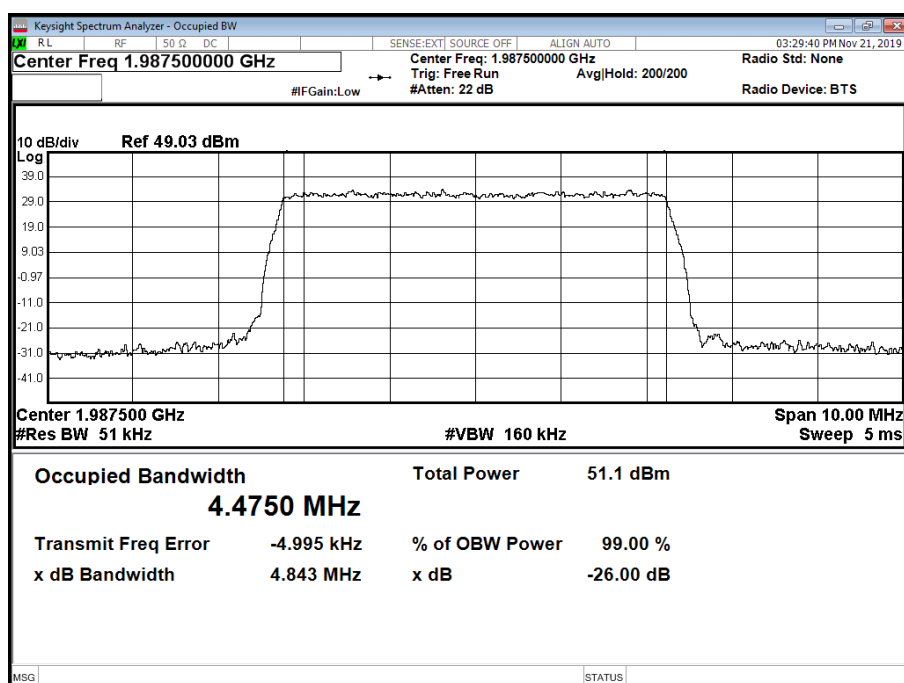
Maximum Output Power 46 dBm

Antenna	NR Modulation	NR Carrier Bandwidth	Result (KHz)			
			Channel Position B		Channel Position T	
			Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
A	QPSK	5.0 MHz 15 kHz SCS	4,467.35	4,832.41	4,475.04	4,843.17
A	QPSK	10.0 MHz 15 kHz SCS	9,280.84	9,781.56	9,287.41	9,772.11
A	QPSK	15.0 MHz 15 kHz SCS	14,118.13	14,758.91	14,137.71	14,769.22
A	QPSK	20.0 MHz 15 kHz SCS	18,921.89	19,763.33	18,945.21	19,768.08
A	QPSK	20.0 MHz 60 kHz SCS	17,190.41	19,573.80	17,207.43	19,563.90

Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position B

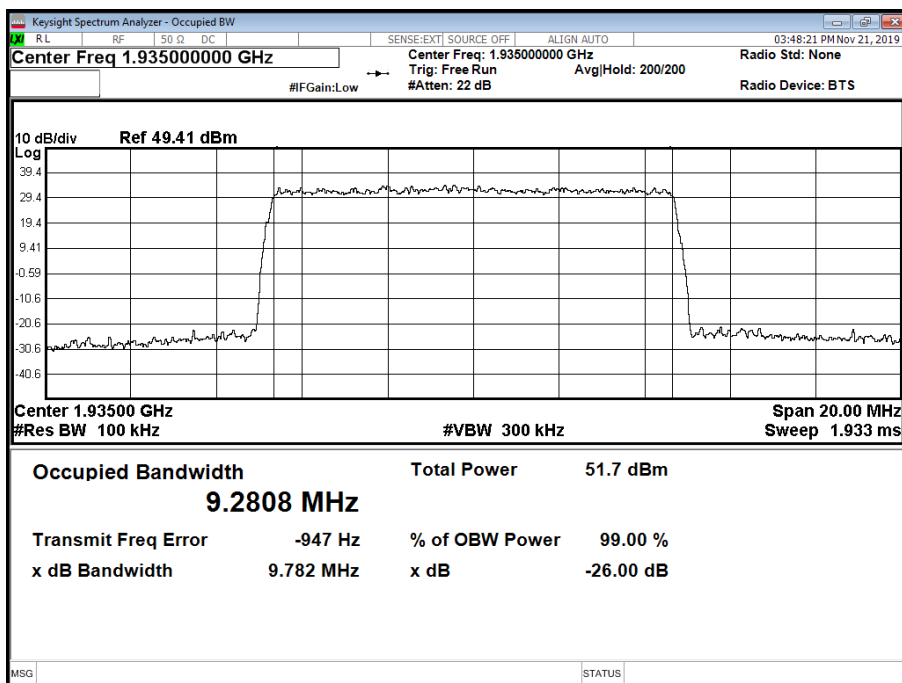


Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position T

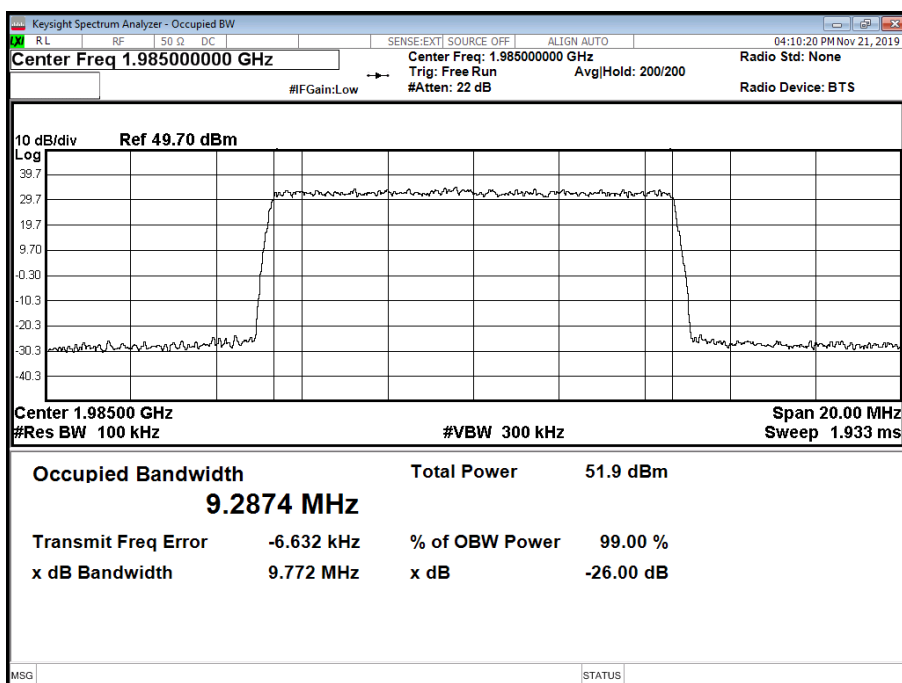




Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 10.0 MHz 15 kHz SCS - Channel Position B

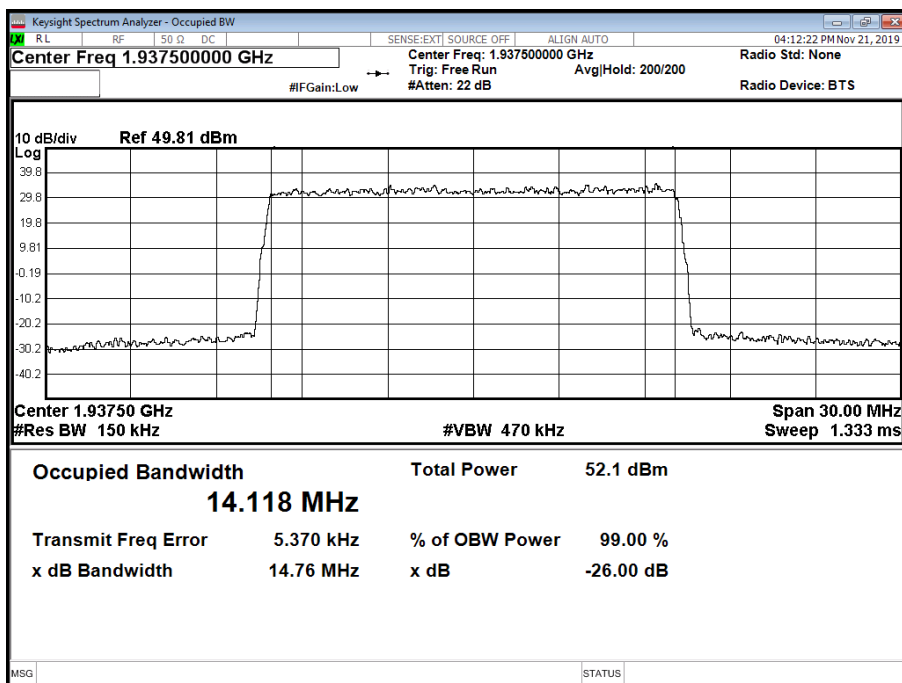


Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 10.0 MHz 15 kHz SCS - Channel Position T

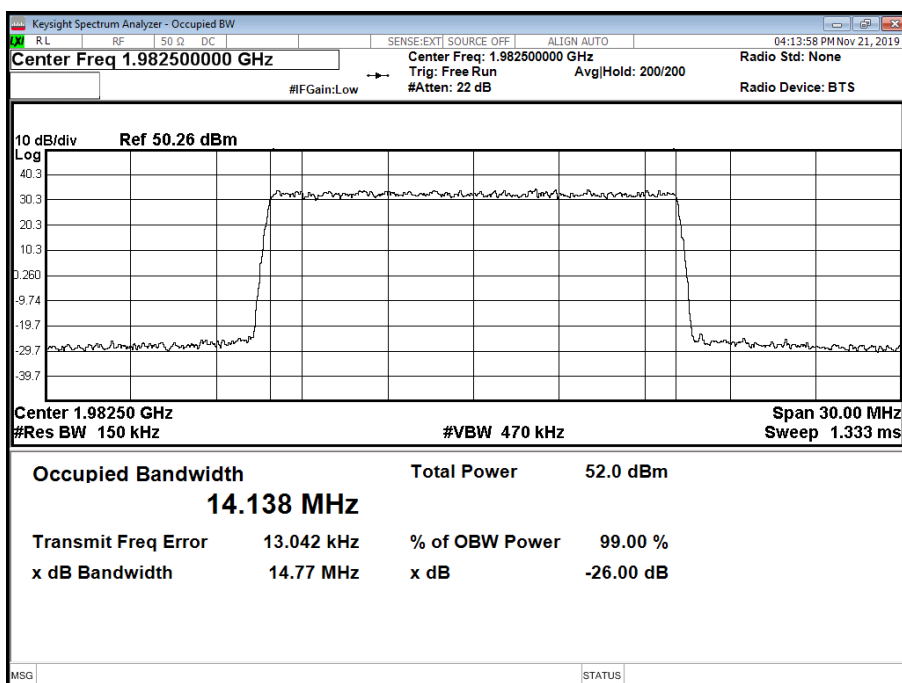




Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 15.0 MHz 15 kHz SCS - Channel Position B

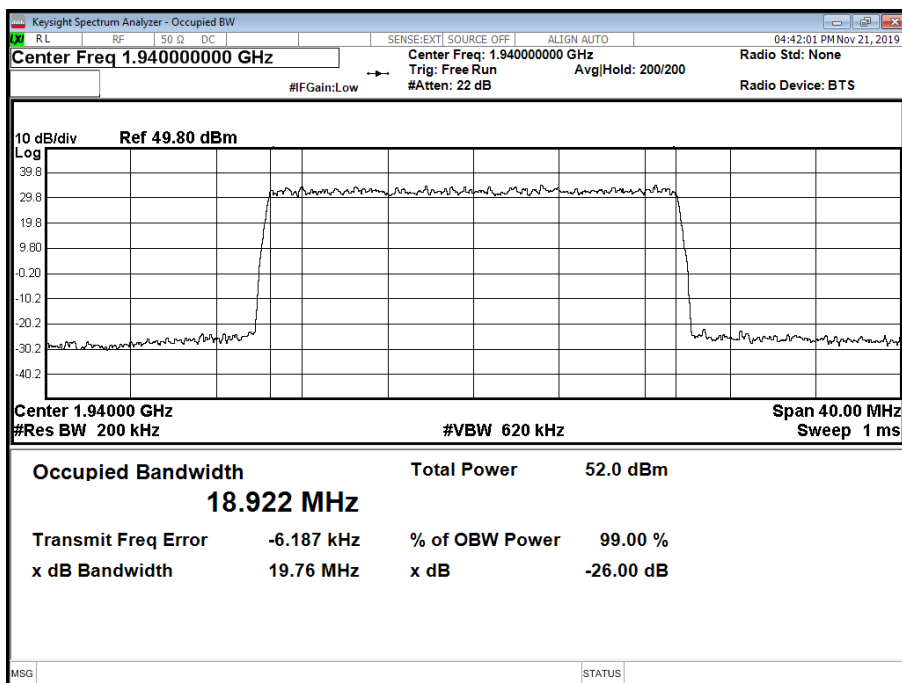


Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 15.0 MHz 15 kHz SCS - Channel Position T

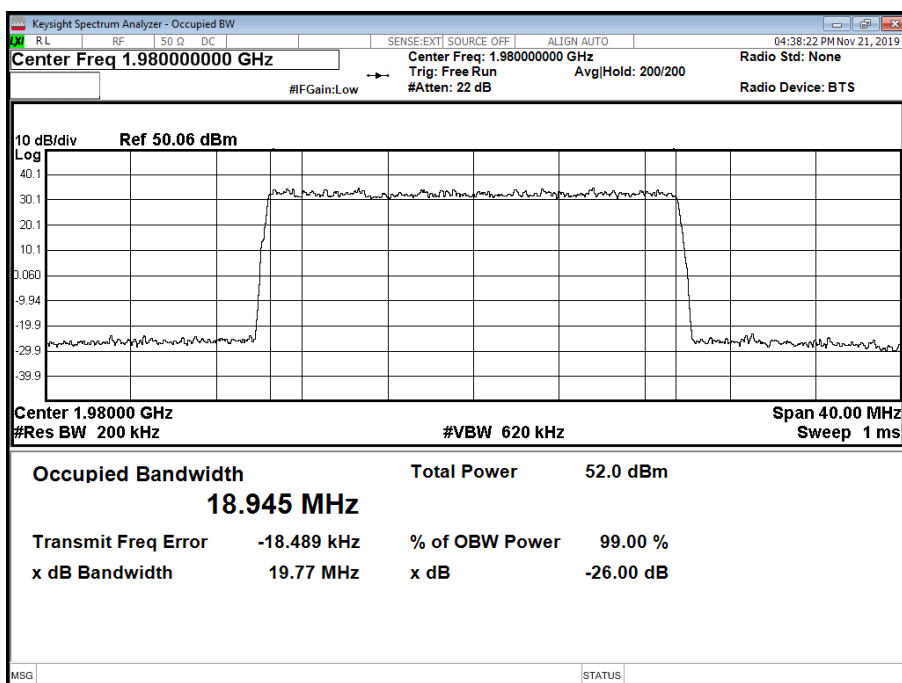




Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 20.0 MHz 15 kHz SCS - Channel Position B

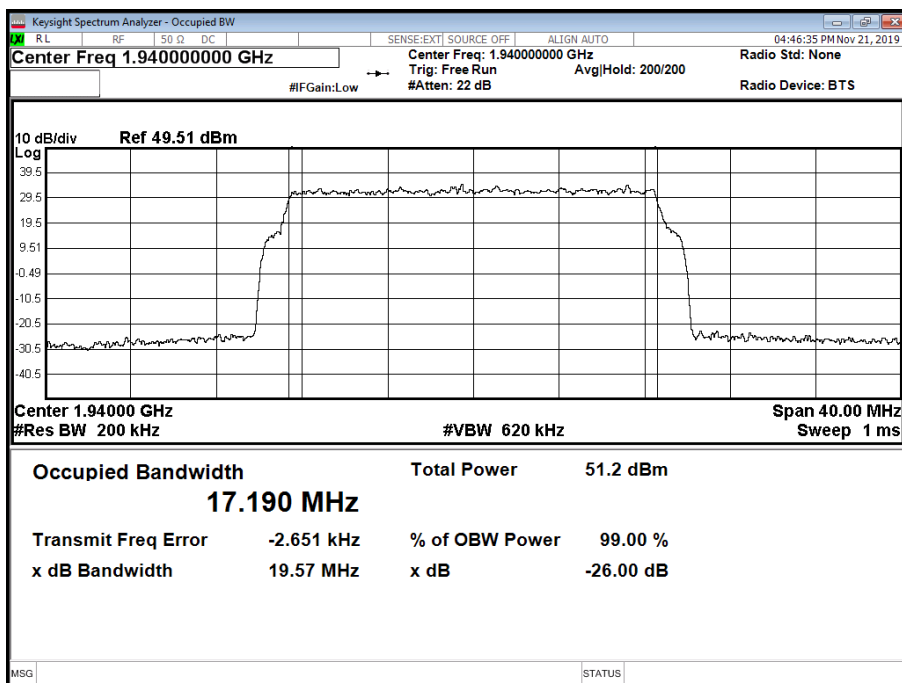


Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 20.0 MHz 15 kHz SCS - Channel Position T

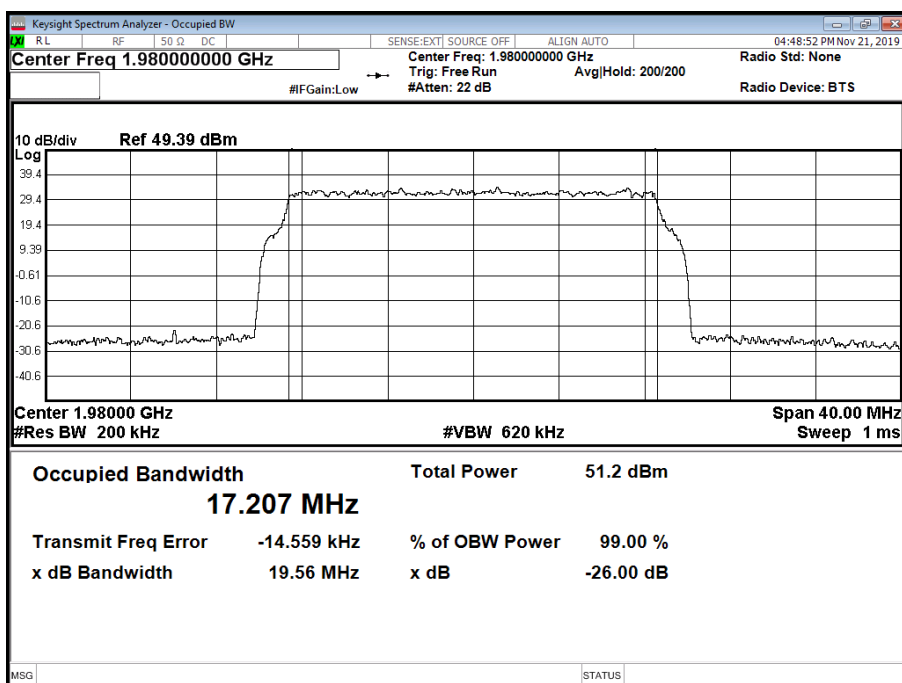




Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 20.0 MHz 60 kHz SCS - Channel Position B



Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 20.0 MHz 60 kHz SCS - Channel Position T





2.3 BAND EDGE

2.3.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1051
FCC CFR 47 Part 24, Clause 24.238 (b)
Industry Canada RSS-133, Clause 6.5

2.3.2 Date of Test and Modification State

21 November 2019 - Modification State 0

2.3.3 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.3.4 Environmental Conditions

Ambient Temperature 22.8°C
Relative Humidity 40.1%

2.3.5 Test Method

All measurements were made in accordance with FCC KDB 971168 D01.

Each antenna port has been declared as being equivalent, therefore measurements were made on one antenna port only. To account for this, the limit was tightened by $10 * \log(N)$, where N is equal to the number of MIMO antenna ports.

For Four Port, the limit was calculated as being $-13 \text{ dBm} - 10 * \log(4) = -19 \text{ dBm}$.

For dual Port, the limit was calculated as being $-13 \text{ dBm} - 10 * \log(2) = -16 \text{ dBm}$.

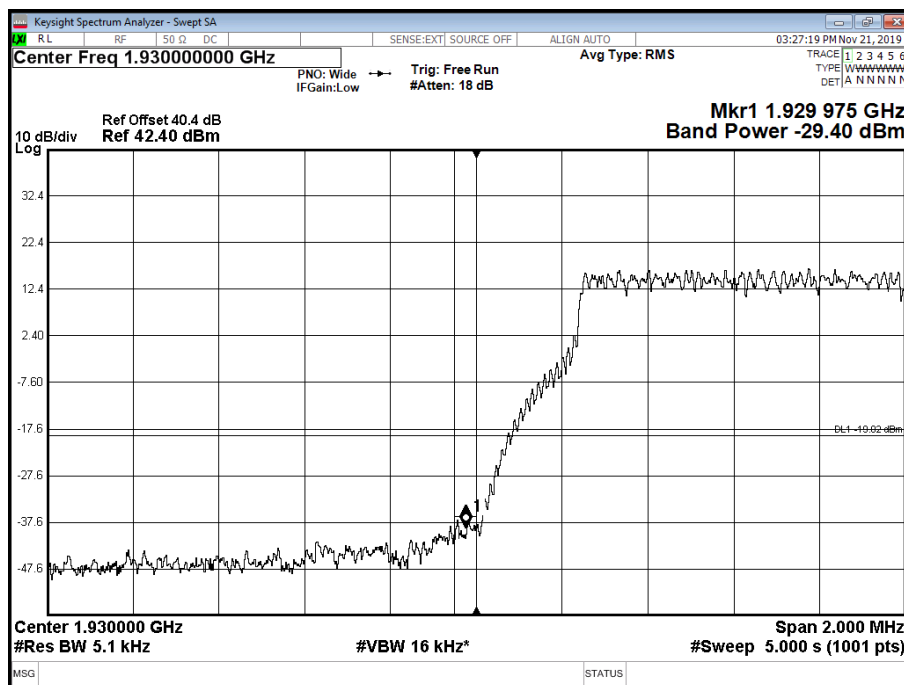
2.3.6 Test Results

Configuration A

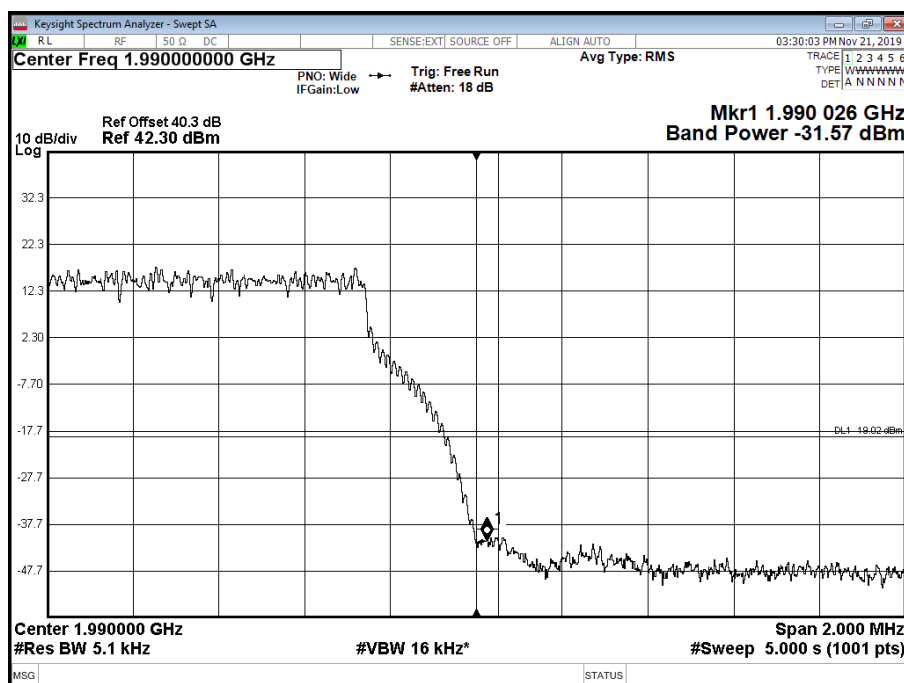
Maximum Output Power 46 dBm

Antenna	NR Modulation	NR Carrier Bandwidth	Band Edge (MHz)	
			Channel Position B	Channel Position T
A	QPSK	5.0 MHz 15 kHz SCS	1,932.5	1,987.5
A	QPSK	10.0 MHz 15 kHz SCS	1,935.0	1,985.0
A	QPSK	15.0 MHz 15 kHz SCS	1,937.5	1,982.5
A	QPSK	20.0 MHz 15 kHz SCS	1,940.0	1,980.0
A	QPSK	20.0 MHz 60 kHz SCS	1,940.0	1,980.0

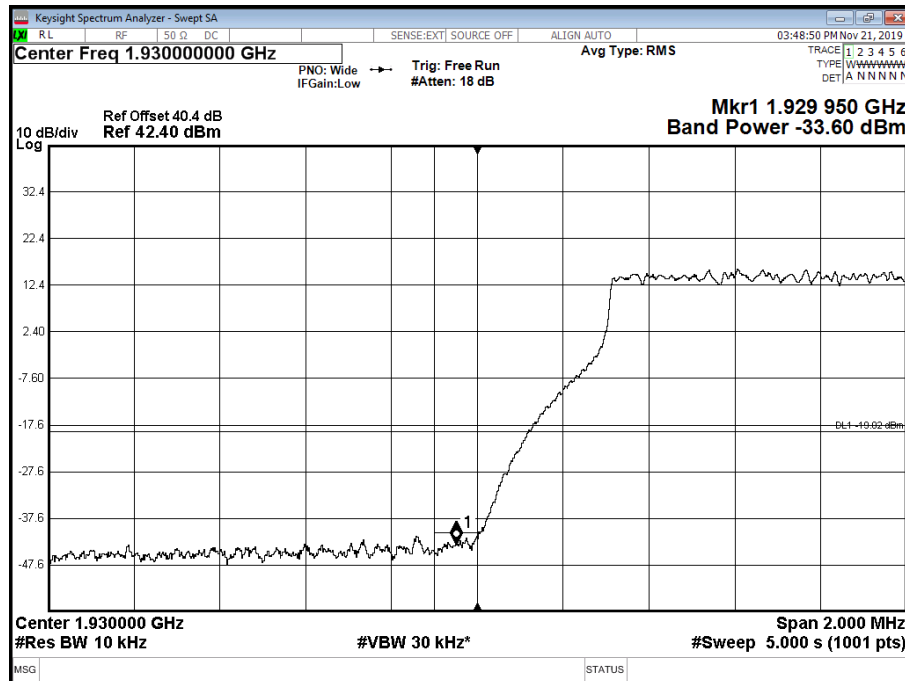
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position B



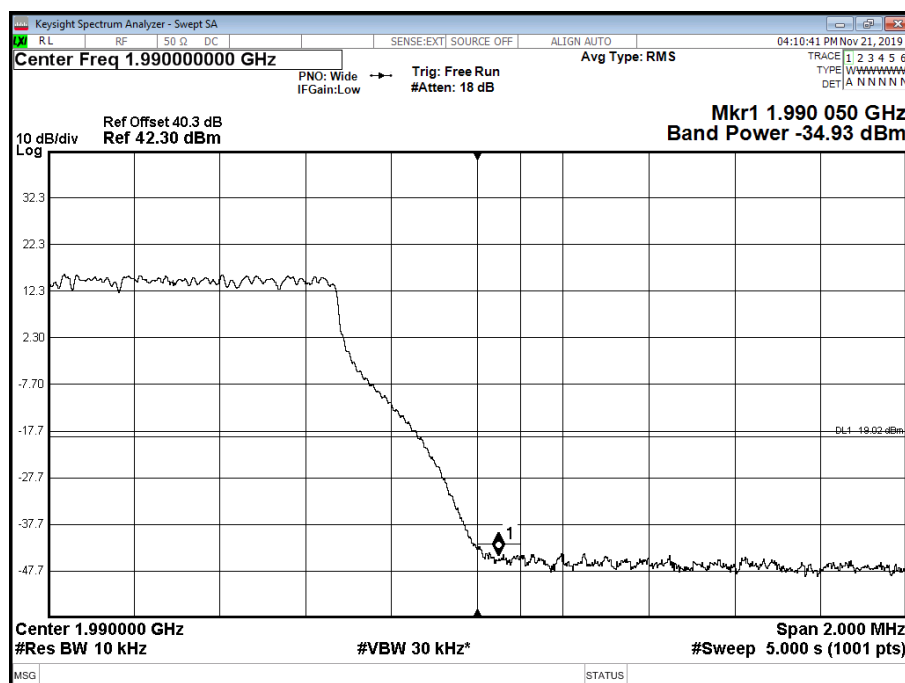
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position T



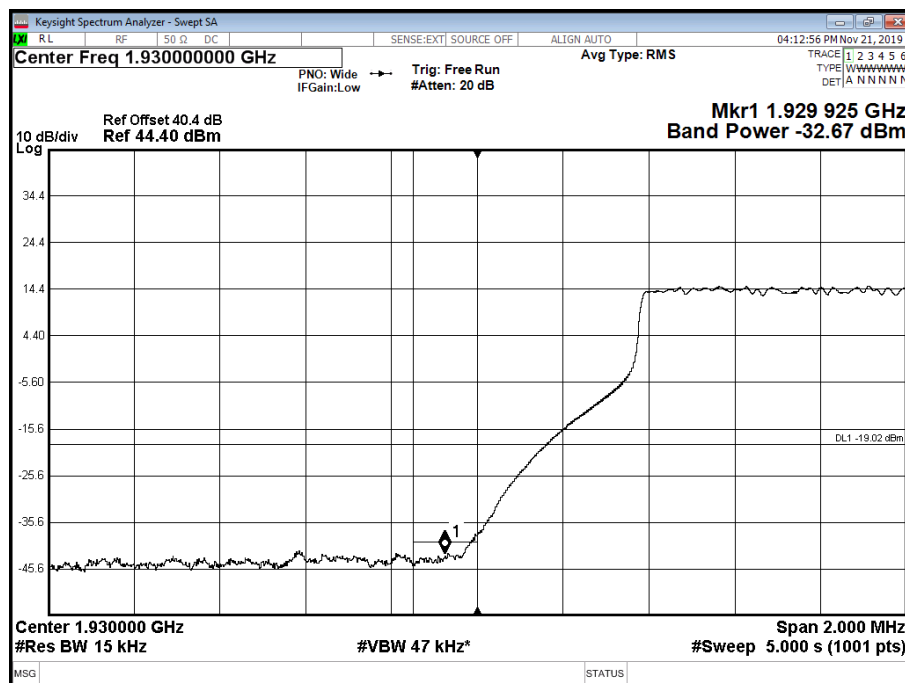
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 10.0 MHz 15 kHz SCS - Channel Position B



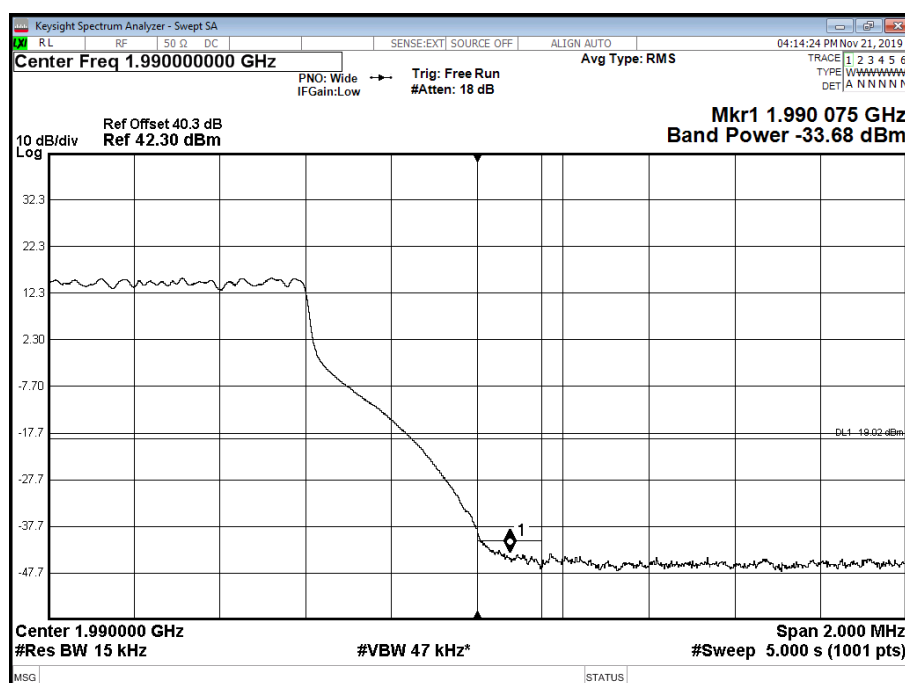
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 10.0 MHz 15 kHz SCS - Channel Position T



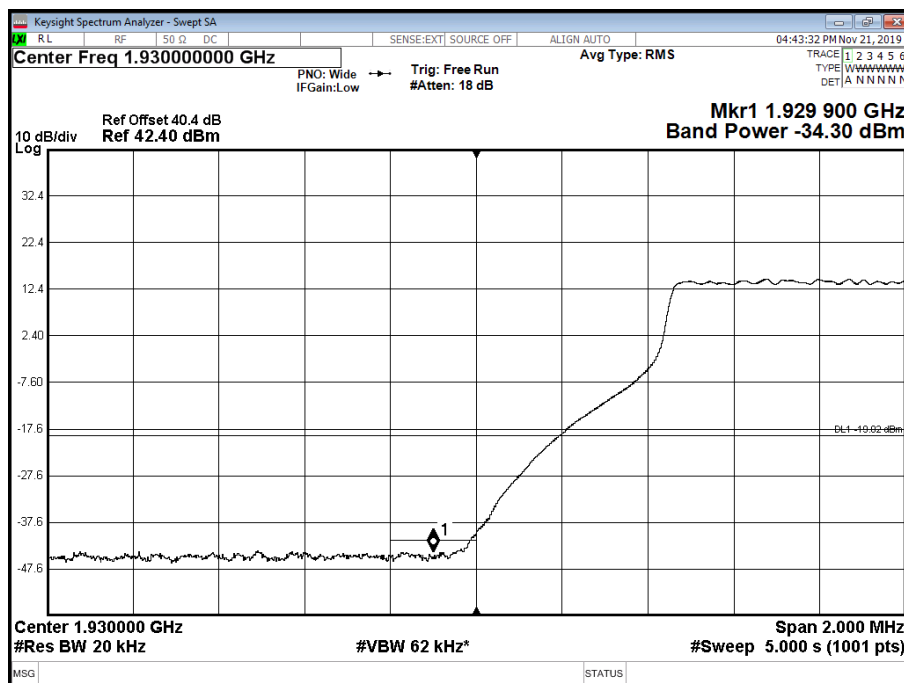
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 15.0 MHz 15 kHz SCS - Channel Position B



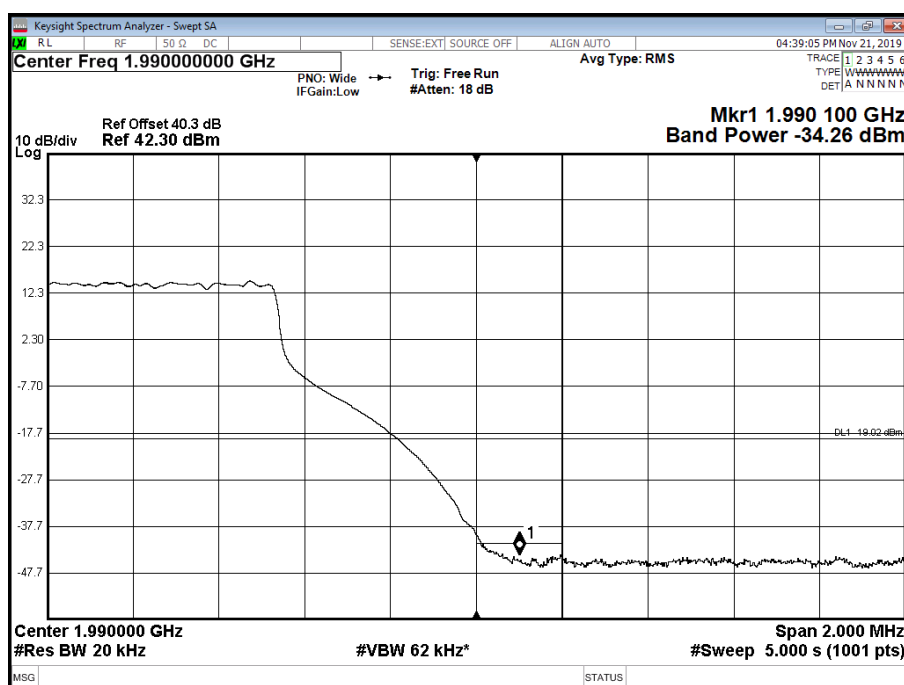
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 15.0 MHz 15 kHz SCS - Channel Position T



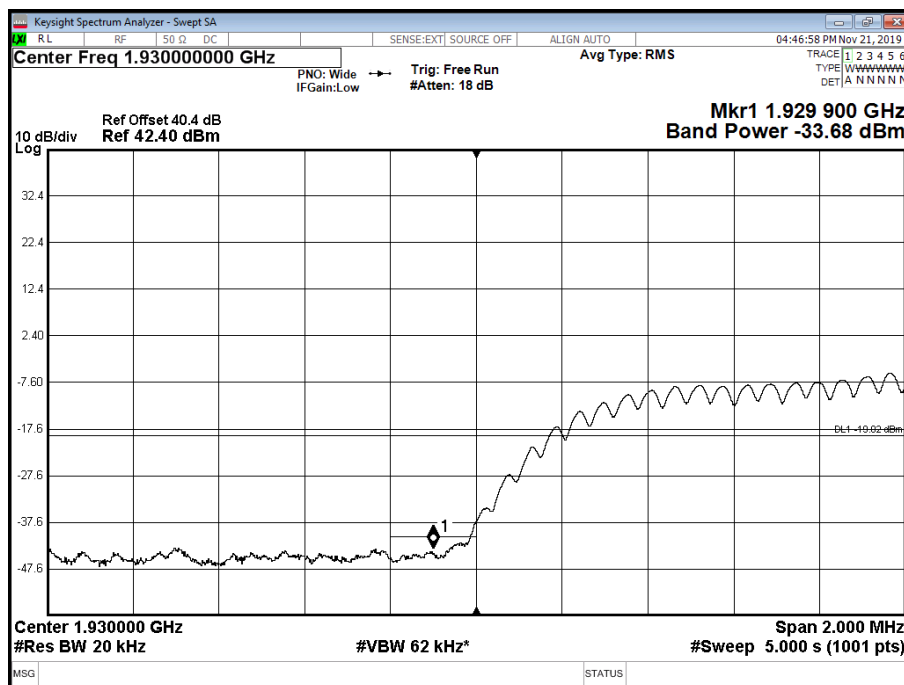
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 20.0 MHz 15 kHz SCS - Channel Position B



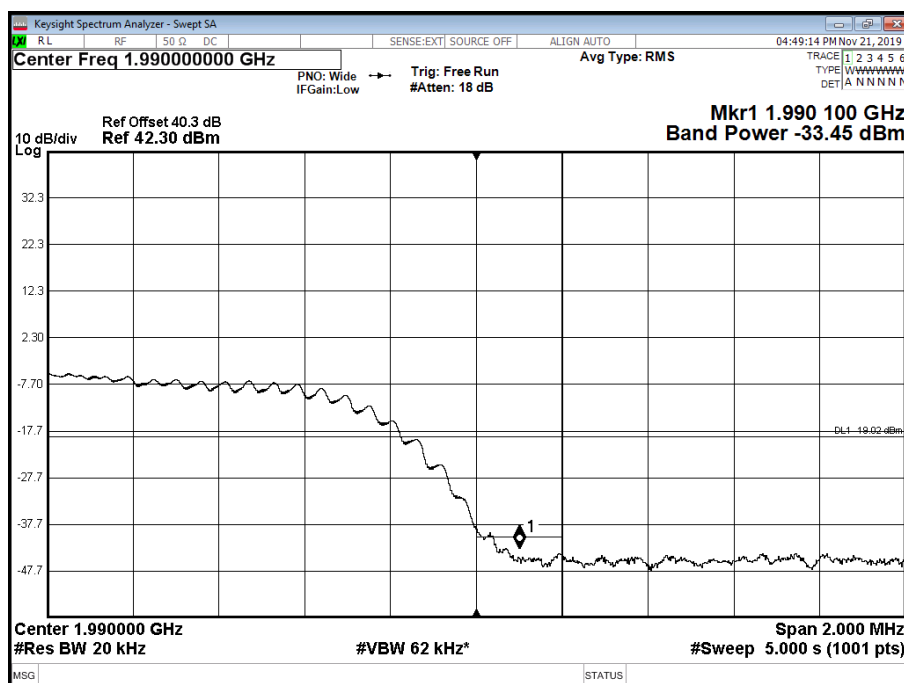
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 20.0 MHz 15 kHz SCS - Channel Position T



Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 20.0 MHz 60 kHz SCS - Channel Position B



Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 20.0 MHz 60 kHz SCS - Channel Position T



Limit	-19 dBm
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2.4 TRANSMITTER SPURIOUS EMISSIONS

2.4.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1051
FCC CFR 47 Part 24, Clause 24.238 (a)
Industry Canada RSS-133, Clause 6.5

2.4.2 Date of Test and Modification State

21 November 2019 - Modification State 0

2.4.3 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.4.4 Environmental Conditions

Ambient Temperature	22.8°C
Relative Humidity	40.1%

2.4.5 Test Method

All measurements were made in accordance with FCC KDB 971168 D01.

Each antenna port has been declared as being equivalent, therefore measurements were made on one antenna port only. To account for this, the limit was tightened by $10 * \log(N)$, where N is equal to the number of MIMO antenna ports.

For four Port, the limit was calculated as being $-13 \text{ dBm} - 10 * \log(4) = -19 \text{ dBm}$.

For dual Port, the limit was calculated as being $-13 \text{ dBm} - 10 * \log(2) = -16 \text{ dBm}$.

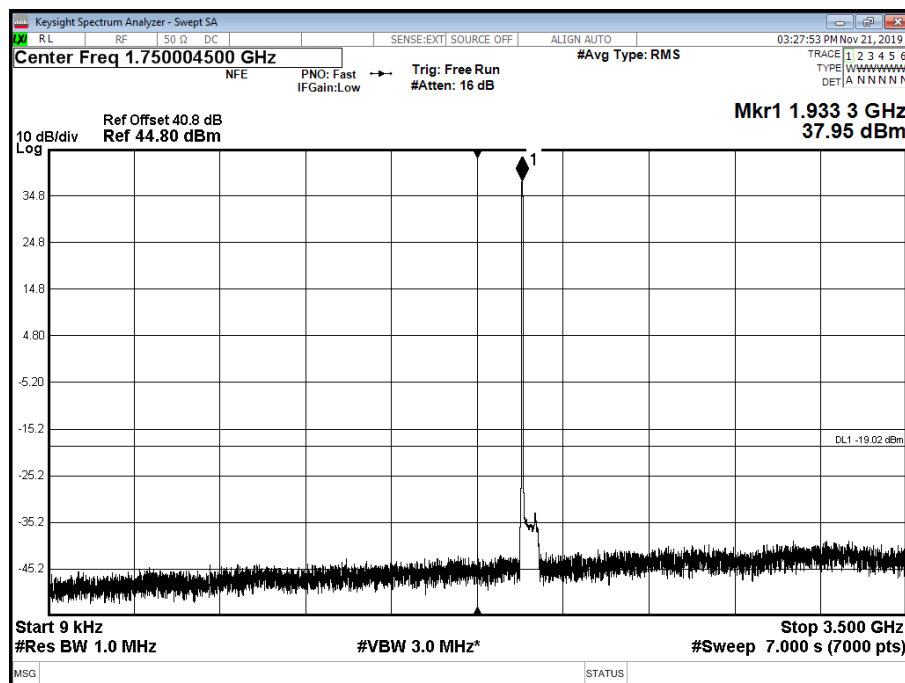
2.4.6 Test Results

Configuration A

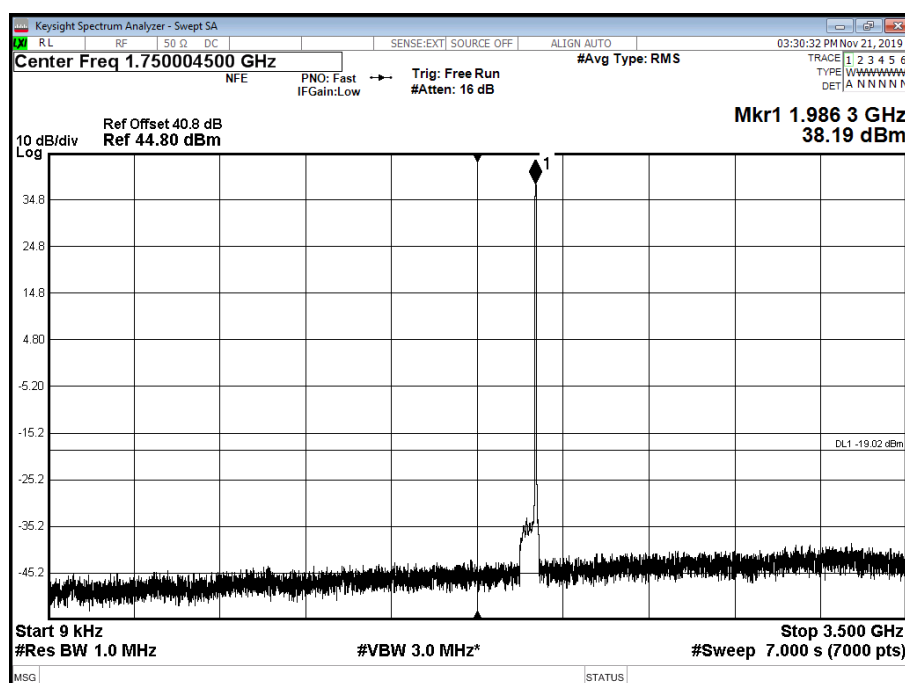
Maximum Output Power 46 dBm



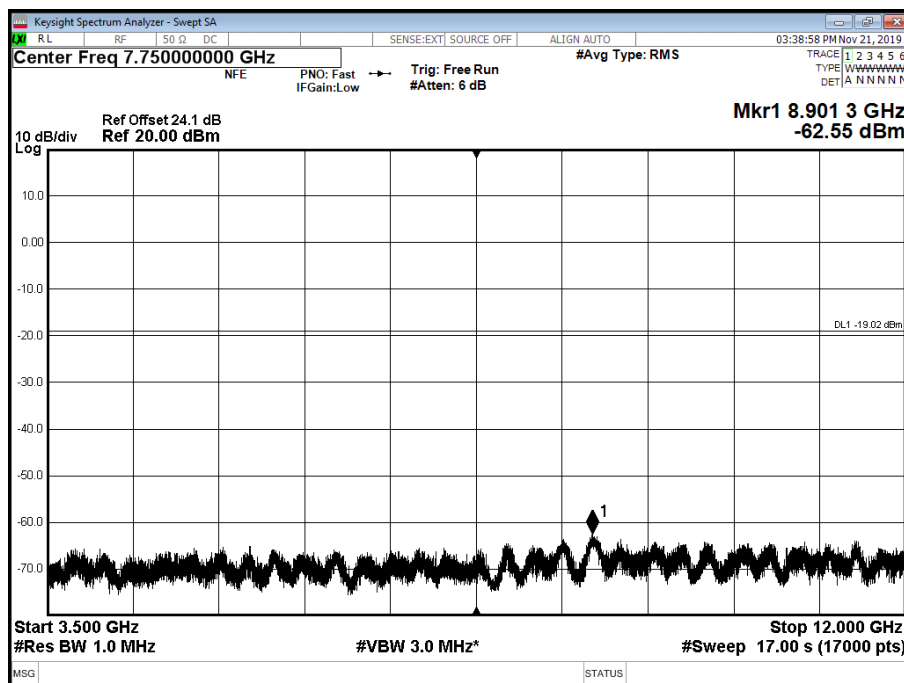
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position B - Band 1 - Range 0.009 to 3500 MHz



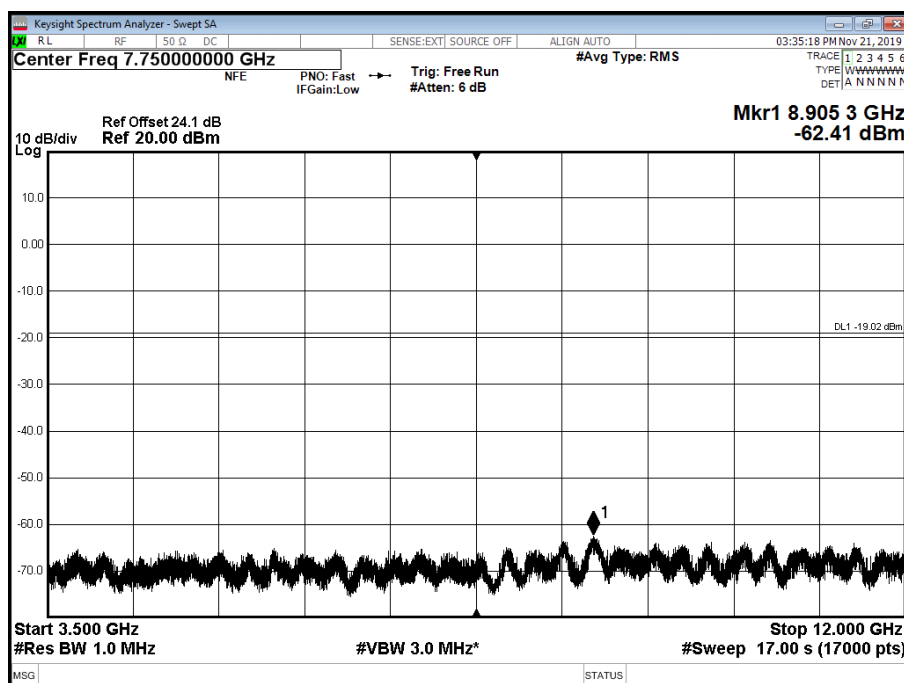
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position T - Band 1 - Range 0.009 to 3500 MHz



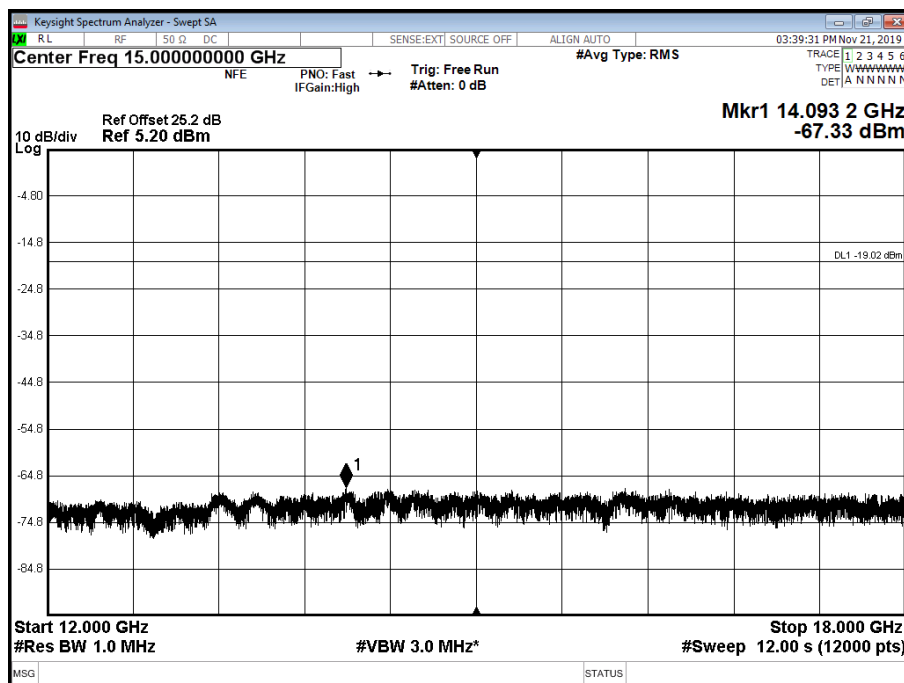
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position B - Band 2 - Range 3500 to 12000 MHz



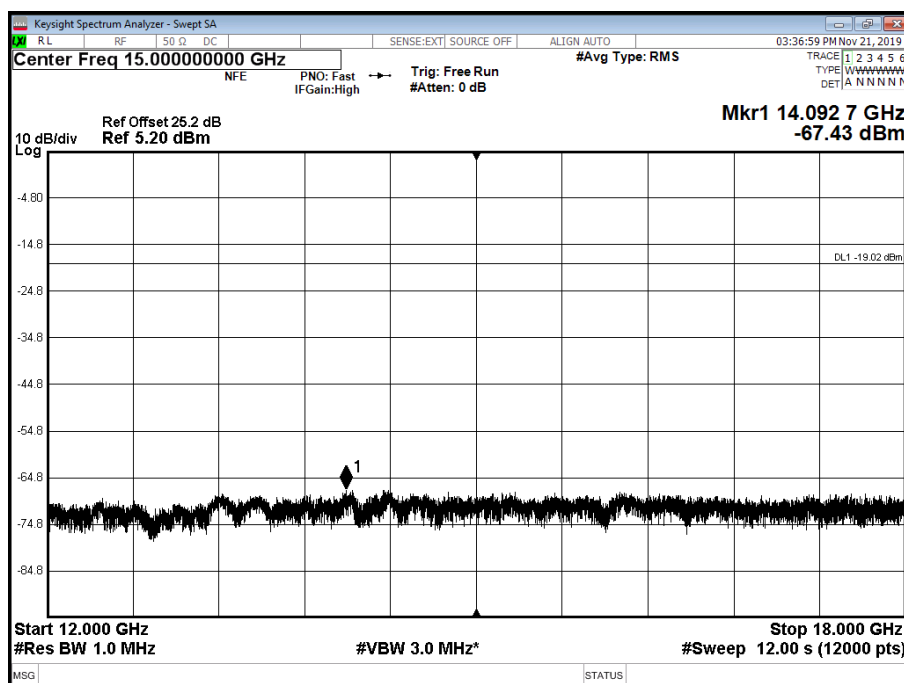
Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position T - Band 2 - Range 3500 to 12000 MHz



Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position B - Band 3 - Range 12000 to 18000 MHz

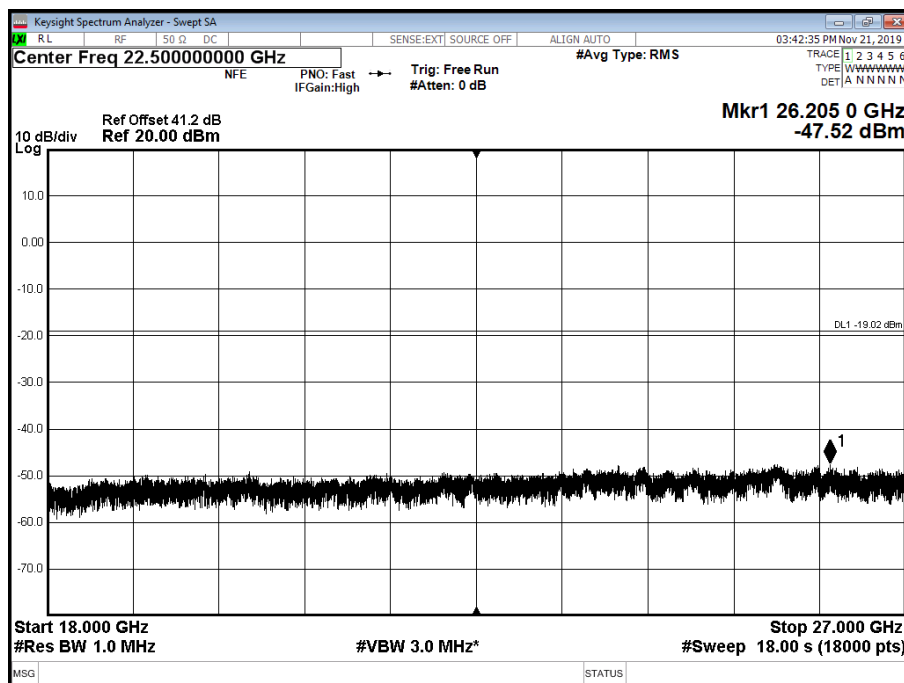


Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position T - Band 3 - Range 12000 to 18000 MHz

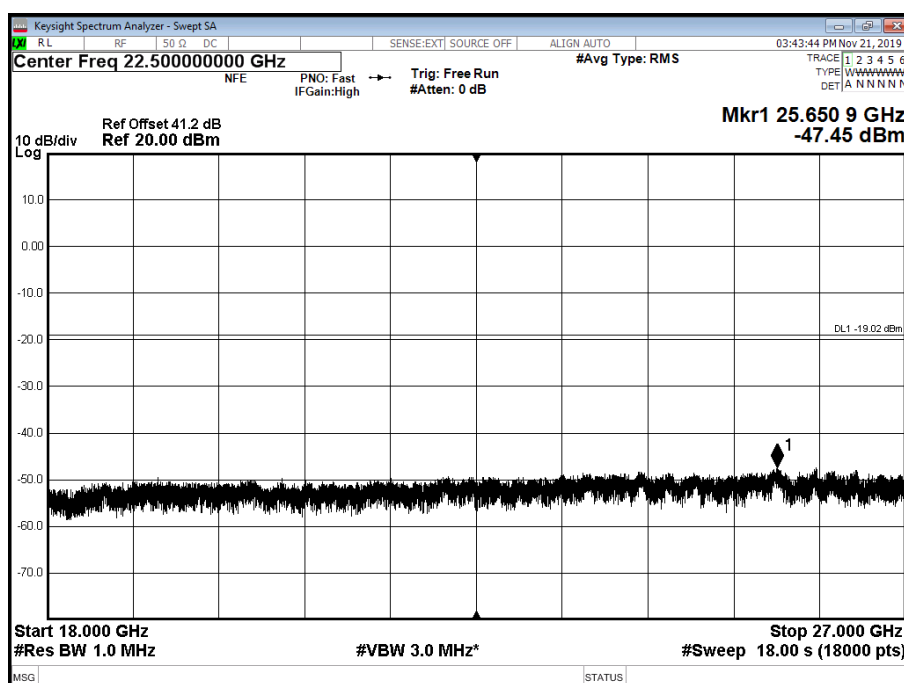




Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position B - Band 4 - Range 18000 to 27000 MHz



Antenna A - NR Modulation QPSK - NR Carrier Bandwidth 5.0 MHz 15 kHz SCS - Channel Position T - Band 4 - Range 18000 to 27000 MHz



Limit	-19dBm
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SECTION 3

TEST EQUIPMENT USED



3.1 TEST EQUIPMENT USED

List of absolute measuring and other principal items of test equipment.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Maximum Peak Output Power and Peak to Average Ratio - Conducted					
Spectrum Analyser	Keysight Technologies	N9030A	4653	12	06-Feb-2020
Frequency Standard	Spectracom	SecureSync 1200-0408-0601	4393	6	16-Apr-2020
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	16-Apr-2020
Hygrometer	Rotronic	Hygropalm	2404	12	02-May-2020
Power Supply	Farnell	H60-25	1092	-	O/P Mon
Multimeter	Iso-tech	IDM101	2424	12	12-Dec-2019
Attenuator 10 dB 100 W	Weinschel	BY0200	3593	12	18-Jul-2020
N-Type Cable	Rhophase	NPS-1803-1000-NPS	3701	-	O/P Mon
Network Analyser	Keysight Technologies	N5235B	5361	12	10-May-2020
ECAL Module	Keysight Technologies	N4693A	5362	12	22-Feb-2020
Attenuator 30 dB, 100 W	Weinschel	48-30-43	4863	12	18-Jul-2020
N-Type Cable	Rhophase	D5975	4233	-	O/P Mon
Occupied Bandwidth					
Spectrum Analyser	Keysight Technologies	N9030A	4653	12	06-Feb-2020
Frequency Standard	Spectracom	SecureSync 1200-0408-0601	4393	6	16-Apr-2020
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	16-Apr-2020
Hygrometer	Rotronic	Hygropalm	2404	12	02-May-2020
Power Supply	Farnell	H60-25	1092	-	O/P Mon
Multimeter	Iso-tech	IDM101	2424	12	12-Dec-2019
Attenuator 10 dB 100 W	Weinschel	BY0200	3593	12	18-Jul-2020
N-Type Cable	Rhophase	NPS-1803-1000-NPS	3701	-	O/P Mon
Network Analyser	Keysight Technologies	N5235B	5361	12	10-May-2020
ECAL Module	Keysight Technologies	N4693A	5362	12	22-Feb-2020
Attenuator 30 dB, 100 W	Weinschel	48-30-43	4863	12	18-Jul-2020
N-Type Cable	Rhophase	D5975	4233	-	O/P Mon
Band Edge					
Spectrum Analyser	Keysight Technologies	N9030A	4653	12	06-Feb-2020
Frequency Standard	Spectracom	SecureSync 1200-0408-0601	4393	6	16-Apr-2020
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	16-Apr-2020
Hygrometer	Rotronic	Hygropalm	2404	12	02-May-2020
Power Supply	Farnell	H60-25	1092	-	O/P Mon
Multimeter	Iso-tech	IDM101	2424	12	12-Dec-2019
Attenuator 10 dB 100 W	Weinschel	BY0200	3593	12	18-Jul-2020
N-Type Cable	Rhophase	NPS-1803-1000-NPS	3701	-	O/P Mon
Network Analyser	Keysight Technologies	N5235B	5361	12	10-May-2020
ECAL Module	Keysight Technologies	N4693A	5362	12	22-Feb-2020
Attenuator 30 dB, 100 W	Weinschel	48-30-43	4863	12	18-Jul-2020
N-Type Cable	Rhophase	D5975	4233	-	O/P Mon



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Transmitter Spurious Emissions					
Spectrum Analyser	Keysight Technologies	N9030A	4653	12	06-Feb-2020
Frequency Standard	Spectracom	SecureSync 1200-0408-0601	4393	6	16-Apr-2020
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	16-Apr-2020
Hygromer	Rotronic	Hygropalm	2404	12	02-May-2020
Power Supply	Farnell	H60-25	1092	-	O/P Mon
Multimeter	Iso-tech	IDM101	2424	12	12-Dec-2019
Attenuator 30 dB, 100 W	Weinschel	48-30-43	4863	12	18-Jul-2020
N-Type Cable	Rhophase	NPS-1803-1000-NPS	3701	-	O/P Mon
N-Type Cable	Rhophase	D5975	4233	-	O/P Mon
Attenuator 10 dB 100 W	Weinschel	BY0200	3593	12	18-Jul-2020
3 GHz High Pass Filter	Wainwright	WHKX12-2580-3000-18000-80SS	5220	-	O/P Mon
Cable Attenuator	Aralab	CSF6767C-C2S6500	5175	-	O/P Mon
K-Type Cable (40 GHz)	Rosenberger	LU1-001-500	5021	-	O/P Mon
N5235B	Keysight Technologies	N5235B	5361	12	10-May-2020
N4693A	Keysight Technologies	N4693A	5362	12	22-Feb-2020
18 - 25 GHz Wave Guide	F.M.I. UK	-	-	-	O/P Mon
Attenuator 20 dB 100 W	Weinschel	CH9183	4869	12	18-Jul-2020

N/A – Not Applicable

O/P Mon – Output Monitored with Calibrated Equipment



3.2 MEASUREMENT UNCERTAINTY

For a 95% confidence level, the measurement uncertainties for defined systems are:-

Test Discipline	Frequency / Parameter		MU
Conducted Maximum Peak Output Power	30 MHz to 20 GHz Amplitude		± 0.7 dB
Conducted Emissions	30 MHz to 20 GHz Amplitude		± 2.1 dB
Occupied Bandwidth	Up to 20 MHz Bandwidth	5 MHz Bandwidth	± 11547 Hz
		10 MHz Bandwidth	± 23094 Hz
		15 MHz Bandwidth	± 34641 Hz
		20 MHz Bandwidth	± 46188 Hz
Band Edge	30 MHz to 20 GHz Amplitude		± 0.8 dB

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2007, clause 4.4.3 and 4.5.1.



SECTION 4

ACCREDITATION, DISCLAIMERS AND COPYRIGHT



4.1 ACCREDITATION, DISCLAIMERS AND COPYRIGHT



This report relates only to the actual item/items tested.

Our UKAS Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our UKAS Accreditation.

Results of tests not covered by our UKAS Accreditation Schedule are marked NUA (Not UKAS Accredited).

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ANNEX A

MODULE LIST



Configuration A			
Product	Product No	R-State	Serial No
Radio 4455 B2/B25/ B66A	KRC 161823/1	R1C	D829275242
Software Version:	CXP9013268/15	Revision:	R80EY