

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 96
47 CFR FCC Part 2

Report No.: RFBEDW-WTW-P26020065-5

FCC ID: GKRRXLN4N

Product: LGA Module

Brand: COMPAL

Model No.: RXL-N4n

Received Date: 2026/2/5

Test Date: 2026/2/24 ~ 2026/4/7

Issued Date: 2026/4/29

Applicant: Compal Electronics, Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

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FCC Registration / 788550 / TW0003

Designation Number:

Approved by: _____

Jeremy Lin

Jeremy Lin / Project Engineer

, Date: _____

2026/4/29

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Prepared by : Polly Chien / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBEDW-WTW-P26020065-5	Original release.	2026/4/29

1 Certificate

Product: LGA Module

Brand: COMPAL

Test Model: RXL-N4n

Sample Status: Engineering sample

Applicant: Compal Electronics, Inc.

Test Date: 2026/2/24 ~ 2026/4/7

Standard: 47 CFR FCC Part 96
47 CFR FCC Part 2

Measurement procedure: ANSI/TIA/EIA-603-E 2016
ANSI C63.26-2015
KDB 971168 D01 Power Meas License Digital Systems v03r01
KDB 940660 D01 Part 96 CBRS Eqpt v03
KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 96.41(b)	Maximum EIRP	Pass	Meet the requirement of limit.
Part 2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
Part 2.1046 Part 96.41(b)	Maximum Power Spectral Density	N/A	This device is End User Device.
Part 96.41(g)	Peak to Average Ratio	Pass	Meet the requirement of limit.
Part 2.1049	Bandwidth	Pass	Meet the requirement of limit.
Part 2.1051 Part 96.41(e)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
Part 2.1053 Part 96.41(e)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -8.33 dB at 92.08 MHz
Part 2.1053 Part 96.41(e)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -0.96 dB at 7359.96 MHz
Part 2.1055	Frequency Stability	Pass	Meet the requirement of limit.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Parameter	Specification	Uncertainty (±)
Effective Radiated Power and Equivalent Isotropically Radiated Power	-	1.371 dB
Peak to Average Ratio	-	0.920 dB
Bandwidth	-	960 Hz
Conducted Spurious Emissions	-	2.12 dB
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.6 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB
Frequency Stability	-	0.176 ppm

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	LGA Module
Brand	COMPAL
Test Model	RXL-N4n
Status of EUT	Engineering sample
Power Supply Rating	3.8Vdc
EUT Category	End User Device
Modulation Type	DFT-s-OFDM*, CP-OFDM
5G NR support SISO bands	5G NR: n48
5G NR support MIMO bands	5G NR: n48
PC3 for Power Class	5G NR: n48
5G NR support SISO bands	5G NR: n48
Band Covered Information	n48 cover n42, n43 (Part 96)

Note:

1. EUT Overview

SISO

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Output Power: Full Power

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
10 MHz	3555 ~ 3694.98	BPSK	0.165	22.18	8M61G7D
		QPSK	0.166	22.21	8M58G7D
		16QAM	0.105	20.2	8M58D7W
		64QAM	0.09	19.54	8M58D7W
		256QAM	0.056	17.45	8M59D7W
15 MHz	3557.52 ~ 3692.49	BPSK	0.166	22.19	12M9G7D
		QPSK	0.105	22.2	13M6G7D
		16QAM	0.104	20.16	13M6D7W
		64QAM	0.088	19.45	13M6D7W
		256QAM	0.054	17.36	13M6D7W
20 MHz	3560.01 ~ 3690	BPSK	0.164	22.16	17M9G7D
		QPSK	0.165	22.17	18M2G7D
		16QAM	0.104	20.18	18M2D7W
		64QAM	0.089	19.51	18M3D7W
		256QAM	0.055	17.4	18M2D7W
30 MHz	3565.02 ~ 3684.99	BPSK	0.065	18.15	26M8G7D
		QPSK	0.166	22.19	27M9G7D
		16QAM	0.067	18.23	27M9D7W
		64QAM	0.067	18.24	27M9D7W
		256QAM	0.055	17.41	27M9D7W
40 MHz	3570 ~ 3679.98	BPSK	0.064	18.05	35M8G7D
		QPSK	0.167	22.22	37M9G7D
		16QAM	0.063	18.02	37M9D7W
		64QAM	0.06	17.75	37M9D7W
		256QAM	0.053	17.28	37M9D7W

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Output Power: dBm/10 MHz

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
15 MHz	3557.52 ~ 3692.49	BPSK	0.164	22.14	12M9G7D
		QPSK	0.164	22.16	13M6G7D
		16QAM	0.102	20.1	13M6D7W
		64QAM	0.087	19.38	13M6D7W
		256QAM	0.054	17.3	13M6D7W
20 MHz	3560.01 ~ 3690	BPSK	0.162	22.09	17M9G7D
		QPSK	0.164	22.15	18M2G7D
		16QAM	0.102	20.1	18M2D7W
		64QAM	0.088	19.46	18M3D7W
		256QAM	0.055	17.38	18M2D7W
30 MHz	3565.02 ~ 3684.99	BPSK	0.064	18.08	26M8G7D
		QPSK	0.163	22.12	27M9G7D
		16QAM	0.066	18.2	27M9D7W
		64QAM	0.065	18.15	27M9D7W
		256QAM	0.055	17.4	27M9D7W
40 MHz	3570 ~ 3679.98	BPSK	0.063	17.99	35M8G7D
		QPSK	0.158	21.98	37M9G7D
		16QAM	0.063	18.01	37M9D7W
		64QAM	0.058	17.66	37M9D7W
		256QAM	0.052	17.17	37M9D7W

MIMO

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Output Power: Full Power

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
10 MHz	3555 ~ 3694.98	BPSK	0.164	22.15	8M61G7D
		QPSK	0.166	22.21	8M58G7D
		16QAM	0.111	20.47	8M58D7W
		64QAM	0.090	19.52	8M58D7W
		256QAM	0.055	17.42	8M59D7W
15 MHz	3557.52 ~ 3692.49	BPSK	0.156	21.94	12M9G7D
		QPSK	0.168	22.26	13M6G7D
		16QAM	0.099	19.97	13M6D7W
		64QAM	0.085	19.31	13M6D7W
		256QAM	0.055	17.43	13M6D7W
20 MHz	3560.01 ~ 3690	BPSK	0.158	22	17M9G7D
		QPSK	0.170	22.31	18M2G7D
		16QAM	0.101	20.03	18M2D7W
		64QAM	0.086	19.35	18M3D7W
		256QAM	0.056	17.48	18M2D7W
30 MHz	3565.02 ~ 3684.99	BPSK	0.063	17.99	26M8G7D
		QPSK	0.162	22.09	27M9G7D
		16QAM	0.064	18.09	27M9D7W
		64QAM	0.060	17.8	27M9D7W
		256QAM	0.055	17.4	27M9D7W

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
40 MHz	3570 ~ 3679.98	BPSK	0.062	17.89	35M8G7D
		QPSK	0.164	22.14	37M9G7D
		16QAM	0.064	18.03	37M9D7W
		64QAM	0.059	17.7	37M9D7W
		256QAM	0.053	17.28	37M9D7W

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Output Power: dBm/10 MHz

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
15 MHz	3557.52 ~ 3692.49	BPSK	0.153	21.85	12M9G7D
		QPSK	0.164	22.14	13M6G7D
		16QAM	0.097	19.88	13M6D7W
		64QAM	0.084	19.22	13M6D7W
		256QAM	0.055	17.37	13M6D7W
20 MHz	3560.01 ~ 3690	BPSK	0.156	21.93	17M9G7D
		QPSK	0.167	22.24	18M2G7D
		16QAM	0.099	19.95	18M2D7W
		64QAM	0.084	19.25	18M3D7W
		256QAM	0.055	17.4	18M2D7W
30 MHz	3565.02 ~ 3684.99	BPSK	0.062	17.9	26M8G7D
		QPSK	0.158	21.98	27M9G7D
		16QAM	0.063	17.99	27M9D7W
		64QAM	0.059	17.71	27M9D7W
		256QAM	0.054	17.29	27M9D7W
40 MHz	3570 ~ 3679.98	BPSK	0.060	17.79	35M8G7D
		QPSK	0.160	22.05	37M9G7D
		16QAM	0.062	17.94	37M9D7W
		64QAM	0.058	17.61	37M9D7W
		256QAM	0.053	17.22	37M9D7W

2. The EUT uses following support units.

Jig	
Brand	Compal
Model	ZYN8
Adapter	
Brand	ChenzhouFrecom Electronics Co. Ltd
Model	F24L5-120200SPAU
Input Power	100-240V~50/60Hz 0.6A
Output Power	12.0V~2.0A 24.0W

3. For detailed information about each WWAN bands frequency range, bandwidth mode of the product, please refer to section 3.3 of the report.

4. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Type	External				
Connector	I-pex				
Band	Freq. Range (MHz)	Peak Gain without cable loss (dBi)			
		Ant. 0 (Main)	Ant. 1 (DRx)	Ant. 2 (DRx)	Ant. 3 (DRx)
NR n42 (Ant 0)	3400 ~ 3600	-1.5	-1.5	-1.5	-1.5
NR n43 (Ant 0)	3600 ~ 3800	-1	-1	-1	-1
NR n48 (Ant 0)	3550 ~ 3700	-1	-1	-1	-1

Ant. No.	Cable Loss (dB)	Cable Length (mm)
Ant. 0	1.5	141.1
Ant. 1	1.3	120.3
Ant. 2	1	78.2
Ant. 3	1.3	121.2

Note:

1. NR n42 (3550~3600MHz) and NR n43 (3600~3700MHz) are also covered by NR n48.

2. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

* The MIMO mode is completely uncorrelated, so the directional gain is selected the maximum gain among all antennas.

* For MIMO mode:

i). The MIMO mode signal was uncorrelated signal.

ii). Regarding EIRP calculation that we will use the maximum antenna gain/frequency band as calculation parameters.

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/2] \text{ dBi.}$$

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	- The antenna of EUT can be used in the following ways: 0 degree/90 degrees. Pre-scan these ways and find the worst case as a representative test condition. - Pre-Scan has been conducted to determine the worst-case from all possible combinations of EUT configure mode (1TX or 2TX if available), channel, bandwidth, modulation and RB mode. See below table(s) for details.
Worst Case:	1. 0 degree/90 degrees Worst Condition: 90 degrees

Following channel(s) was (were) selected for the final test as listed below:

3.3.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

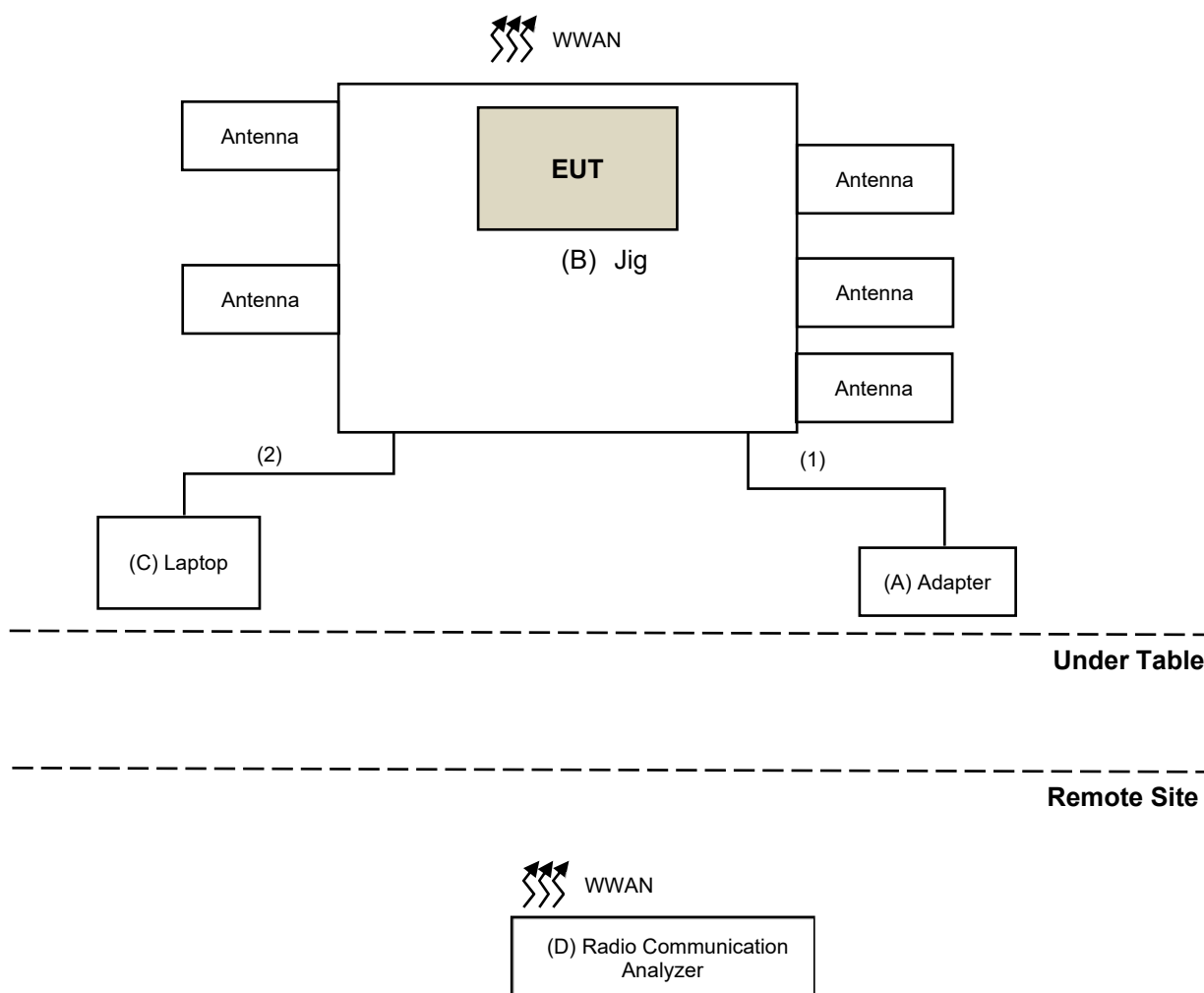
Test Item	Tx/Rx condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Maximum EIRP	PC3 (1TX) PC3 (2TX)	637000(3555.00 MHz) 641666(3624.99 MHz) 646333(3694.98 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		637168(3557.52 MHz) 641666(3624.99 MHz) 646166(3692.49 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		637334(3560.01 MHz) 641666(3624.99 MHz) 646000(3690.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		637668(3565.02 MHz) 641666(3624.99 MHz) 645666(3684.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		638000(3570.00 MHz) 641666(3624.99 MHz) 645332(3679.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	PC3 (2TX)	641666(3624.99 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	PC3 (2TX)	637000(3555.00 MHz) 641666(3624.99 MHz) 646333(3694.98 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		637168(3557.52 MHz) 641666(3624.99 MHz) 646166(3692.49 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		637334(3560.01 MHz) 641666(3624.99 MHz) 646000(3690.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		637668(3565.02 MHz) 641666(3624.99 MHz) 645666(3684.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB
		638000(3570.00 MHz) 641666(3624.99 MHz) 645332(3679.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tx/Rx condition	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	PC3 (2TX)	637000(3555.00 MHz) 641666(3624.99 MHz) 646333(3694.98 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		637168(3557.52 MHz) 641666(3624.99 MHz) 646166(3692.49 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		637334(3560.01 MHz) 641666(3624.99 MHz) 646000(3690.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		637668(3565.02 MHz) 641666(3624.99 MHz) 645666(3684.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
		638000(3570.00 MHz) 641666(3624.99 MHz) 645332(3679.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	PC3 (2TX)	637000(3555.00 MHz) 641666(3624.99 MHz) 646333(3694.98 MHz)	10 MHz	QPSK	1 RB Full RB
		637168(3557.52 MHz) 641666(3624.99 MHz) 646166(3692.49 MHz)	15 MHz	QPSK	1 RB Full RB
		637334(3560.01 MHz) 641666(3624.99 MHz) 646000(3690.00 MHz)	20 MHz	QPSK	1 RB Full RB
		637668(3565.02 MHz) 641666(3624.99 MHz) 645666(3684.99 MHz)	30 MHz	QPSK	1 RB Full RB
		638000(3570.00 MHz) 641666(3624.99 MHz) 645332(3679.98 MHz)	40 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	PC3 (2TX)	645332(3679.98 MHz)	40 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	PC3 (2TX)	637000(3555.00 MHz) 641666(3624.99 MHz) 646333(3694.98 MHz)	10 MHz	QPSK	1 RB
		637334(3560.01 MHz) 641666(3624.99 MHz) 646000(3690.00 MHz)	20 MHz	QPSK	1 RB
		638000(3570.00 MHz) 641666(3624.99 MHz) 645332(3679.98 MHz)	40 MHz	QPSK	1 RB
Frequency Stability	PC3 (2TX)	638000(3570.00 MHz) 645332(3679.98 MHz)	40 MHz	QPSK	Full RB

3.4 Test Program Used and Operation Descriptions

Set the EUT under transmission condition continuously at specific channel frequency.

3.5 Connection Diagram of EUT and Peripheral Devices



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	Frecom	F24L15-120200SPA	N/A	N/A	Supplied by applicant
B	Jig	Compal	ZYN8	NA	NA	Supplied by applicant
C	Laptop	Lenovo	X260 4G	N/A	N/A	Provided by Lab
D	Radio Communication Analyzer	Anritsu	MT8000A	6272278595	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	AC Cable	1	1	No	0	Supplied by applicant
2	Type-C to USB A Cable	1	1	No	0	Provided by Lab

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 Maximum EIRP

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140953	2025/7/31	2026/7/30
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2025/5/26	2026/5/25

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/3/1 ~ 2026/4/3

4.2 Modulation Characteristics

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140953	2025/7/31	2026/7/30
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2025/5/26	2026/5/25

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/3/1 ~ 2026/4/2

4.3 Peak to Average Ratio

Refer to section 4.2 to get the tested date and information of the instruments.

4.4 Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140953	2025/7/31	2026/7/30
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2025/5/26	2026/5/25

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/2/24 ~ 2026/4/2

4.5 Conducted Spurious Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140953	2025/7/31	2026/7/30
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2025/5/26	2026/5/25

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/2/28 ~ 2026/3/31

4.6 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2025/9/16	2026/9/15
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Agilent	N9038A	MY51210203	2025/8/27	2026/8/26
Preamplifier Agilent	8447D	2944A10638	2025/4/27	2026/4/26
Preamplifier EMCI	EMC001340	980201	2025/9/21	2026/9/20
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2025/4/27	2026/4/26
Signal & Spectrum Analyzer R&S	FSW43	101582	2025/4/15	2026/4/14
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4(Hwaya).
2. Tested Date: 2026/3/27

4.7 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1169	2025/11/9	2026/11/8
	BBHA 9170	9170-480	2025/11/9	2026/11/8
		BBHA9170243	2025/11/9	2026/11/8
MXE EMI Receiver Agilent	N9038A	MY51210203	2025/8/27	2026/8/26
Preamplifier Agilent	8449B	3008A02367	2026/1/3	2027/1/2
Preamplifier EMCI	EMC 184045	980116	2025/9/21	2026/9/20
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2025/6/30	2026/6/29
	EMC102-KM-KM-3000	150929	2025/6/30	2026/6/29
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2026/1/3	2027/1/2
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2026/1/3	2027/1/2
Signal & Spectrum Analyzer R&S	FSW43	101582	2025/4/15	2026/4/14
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4(Hwaya).
2. Tested Date: 2026/3/30

4.8 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
3-channel DC power supply OWON	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	8050A	4660081	2025/6/6	2026/6/5
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Terchy	MHU-225AU	920842	2025/6/25	2026/6/24

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/4/7

5 Limits of Test Items

5.1 Maximum EIRP

For NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz):

Device Category	Maximum EIRP (dBm/10 MHz)
End User Device	23
Category A CBSD	30
Category B CBSD	47

5.2 Modulation Characteristics

Systems operating in the Citizens Broadband Radio Service must use digital modulation techniques.

A curve or equivalent data which shows that the equipment will meet the modulation requirements of the rules under which the equipment is to be licensed.

5.3 Peak to Average Ratio

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.

5.4 Bandwidth

According to FCC 47 CFR part 2.1049, the occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5% of the total mean power radiated by a given emission.

5.5 Conducted Spurious Emissions

For NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz):

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B MHz (where B is the bandwidth in MHz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B MHz below the lower CBSD-assigned channel edge. At all frequencies greater than B MHz above the upper CBSD assigned channel edge and less than B MHz below the lower CBSD-assigned channel edge, the conducted power of any end user device emission shall not exceed -25 dBm/MHz.

Additional protection levels: The conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Note: This device can be implement MIMO function, so the limit of emission mask / conducted emissions needs to be reduced by $10 \cdot \log(\text{NumbersAnt})$ according to FCC KDB 662911 D01 guidance.

5.6 Radiated Spurious Emissions below 1GHz

For NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz):

The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

5.7 Radiated Spurious Emissions above 1GHz

For NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz):

The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

5.8 Frequency Stability

For NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz):

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation (authorized frequency block).

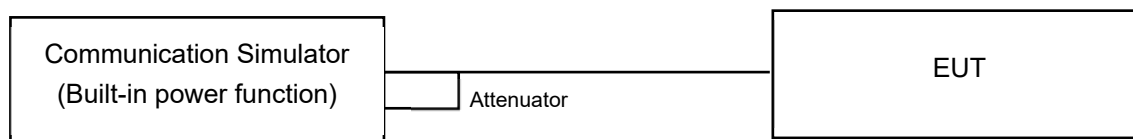
6 Test Arrangements

6.1 Maximum EIRP

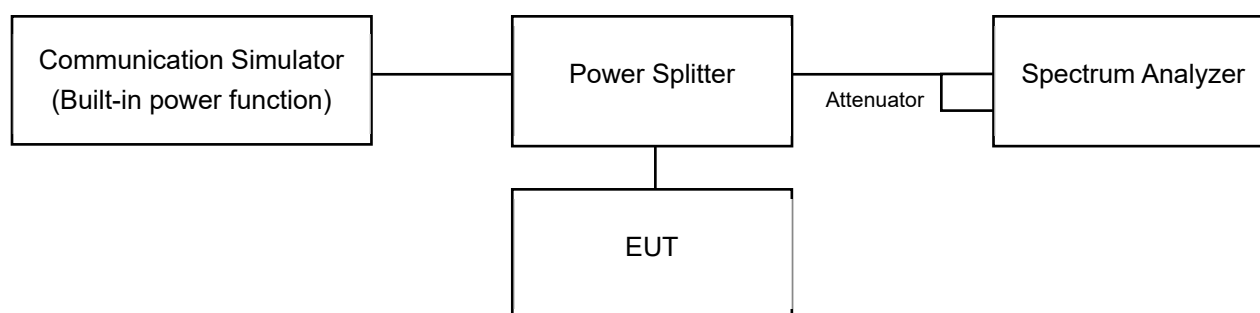
6.1.1 Test Setup

Conducted Power Measurement:

For full power measurement:



For per 10 MHz power measurement:



6.1.2 Test Procedure

Conducted Power Measurement:

For full power measurement:

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology. The average (rms) power measurement was performed on emulator and power value was measured from power function on emulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

For per 10 MHz power measurement:

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology and link to spectrum analyzer measurements. Set the EUT to transmit under low, middle and high channel and record the power level shown on spectrum analyzer. Power measurements use detector average (rms).

Measurement method refers to ANSI C63.26 section 5.2.4.4.

- Set span to $2 \times$ to $3 \times$ the OBW.
- Set RBW = 1% to 5% of the OBW.
- Set VBW $\geq 3 \times$ RBW.
- Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- Set Sweep time = auto-couple.
- Detector = power averaging (rms).
- Set sweep trigger to "free run."
- Trace average at least 100 traces in power averaging (rms) mode.
- Use the Band/Channel Power function to determine the integrated power per 10 MHz bandwidth, according to the 47 CFR FCC Part 96 standard.
- If Duty cycle < 98%, Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission.

Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{EIRP} = P_{\text{Meas}} + G_T$$

$$\text{ERP} = P_{\text{Meas}} + G_T - 2.15$$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively

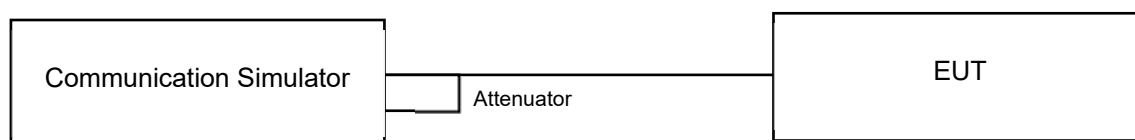
(expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

6.2 Modulation Characteristics

6.2.1 Test Setup

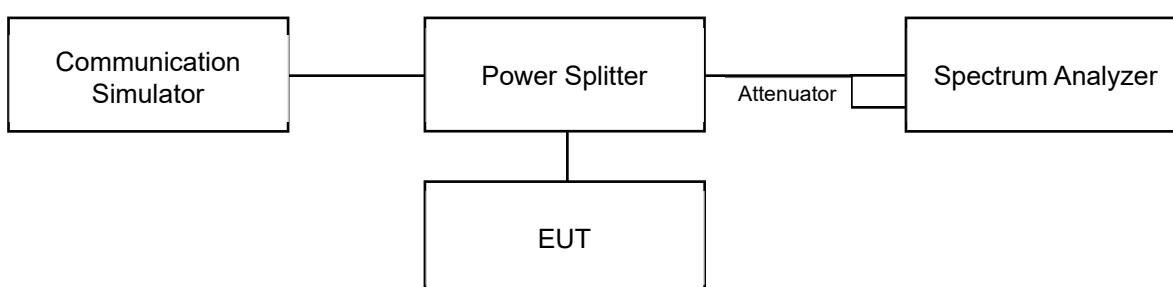


6.2.2 Test Procedure

Connect the EUT to Communication Simulator via the antenna connector, the frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

6.3 Peak to Average Ratio

6.3.1 Test Setup

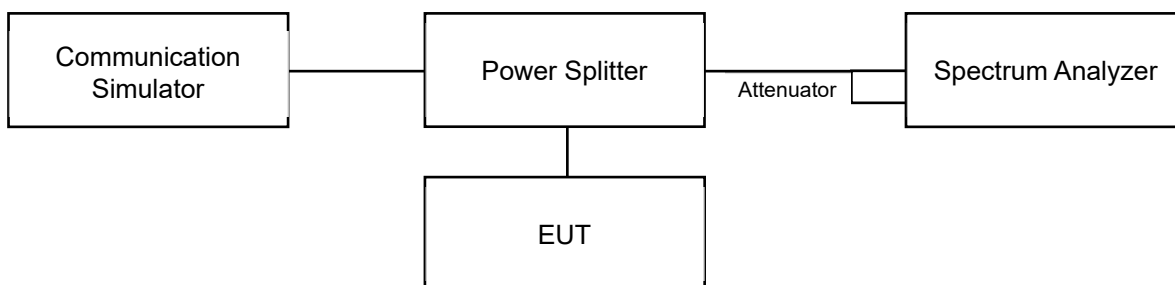


6.3.2 Test Procedure

- Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
- Set the number of counts to a value that stabilizes the measured CCDF curve;
- Record the maximum PAPR level associated with a probability of 0.1%.

6.4 Bandwidth

6.4.1 Test Setup



6.4.2 Test Procedure

For the 26 dBc bandwidth measurement method, please refer to section 5.4.3 of ANSI C63.26.

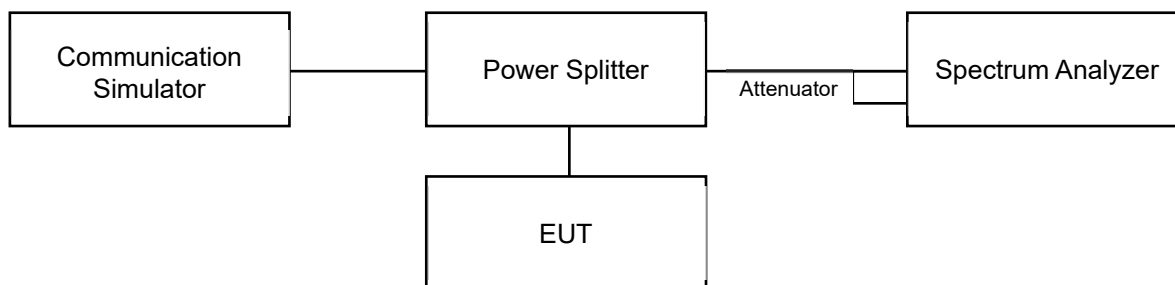
- a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times$ RBW.
- c. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
- d. The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “-X dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- f. Determine the following reference values: 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).
- g. Determine the “-X dB amplitude” as equal to (Reference Value - X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- h. 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 amplitude” determined in step f). If a marker is below this “-X dB amplitude” value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers.
- i. The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

For the occupied bandwidth measurement method, please refer to section 5.4.4 of ANSI C63.26.

- a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times$ RBW.
- c. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
- d. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- e. If the instrument does not have a 99% OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5% of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5% of the total is reached and record that frequency as the upper OBW frequency. The 99% power OBW can be determined by computing the difference these two frequencies.
- f. The OBW shall be reported by providing plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

6.5 Conducted Spurious Emissions

6.5.1 Test Setup



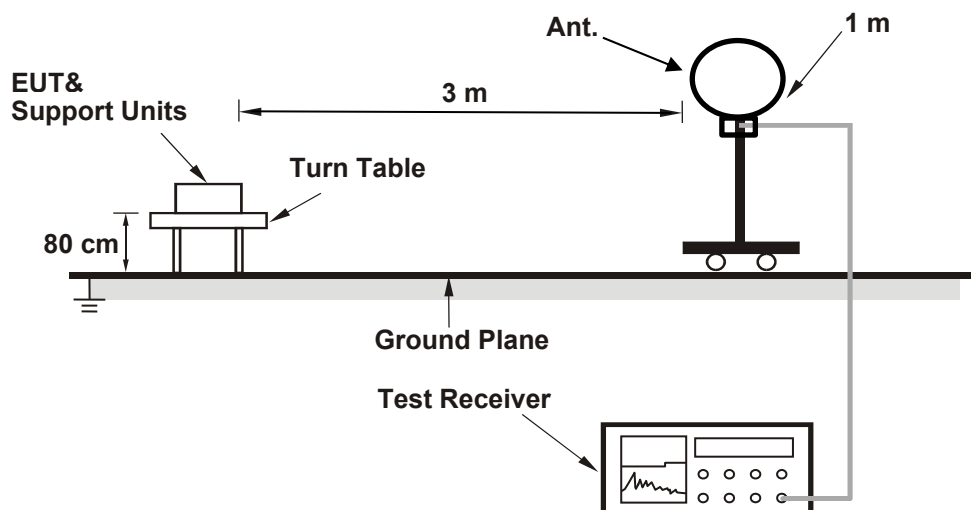
6.5.2 Test Procedure

- a. Measurement refer to ANSI C63.26 section 5.7.
- b. All measurements were done at 3 channels: low, middle and high operational frequency range.
- c. Measuring frequency range is from 9 kHz up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. 10 dB attenuation pad is connected with spectrum.
- d. The fundamental frequency above 1 GHz, the spectrum set RBW = 1 MHz, VBW = 3 MHz, Detector = Average.
- e. The fundamental frequency below 1 GHz, the spectrum set RBW $\geq$ 100 kHz, VBW $\geq$ 3 x RBW, Detector = Average.
- f. Measuring frequency band edge, narrow RBW (no less than 1% of the OBW) is used for conducted emission measurement.
- g. For the emissions measurement method, certain channel BW modes demonstrate compliance by integrating with the smaller RBW allowed by the rule.
For example: Where Reference RBW = 1 MHz and a smaller RBW = 100 kHz is used, worst-case integrated BW power = [Max Measured Value (dBm) with RBW = 100 kHz] + $10 \cdot \log(1000/100)$. To compensate for this integration before comparison to the value, the adjusted reference level offset was increase by 10 dB accordingly.
- a. The device has MIMO function, so the limit of conducted spurious emissions need to be measurement add $10\log(\text{NumbersANT})$ according to FCC KDB 662911 D01 guidance. Therefore, the $10\log(\text{NumbersANT})$ value is added to the spectrum Ref. level offset during testing. For example, the band edge and conducted spurious emission plots for the MIMO (2TX) WWAN bands show that a reference level offset of 18.01 dB is used (15 dB includes attenuation and cable loss + $10 \cdot \log(2)$ to account for MIMO WWAN bands reference level = $15 + 3.01 = 18.01$ dB).
- b. Record the maximum power value test plot.

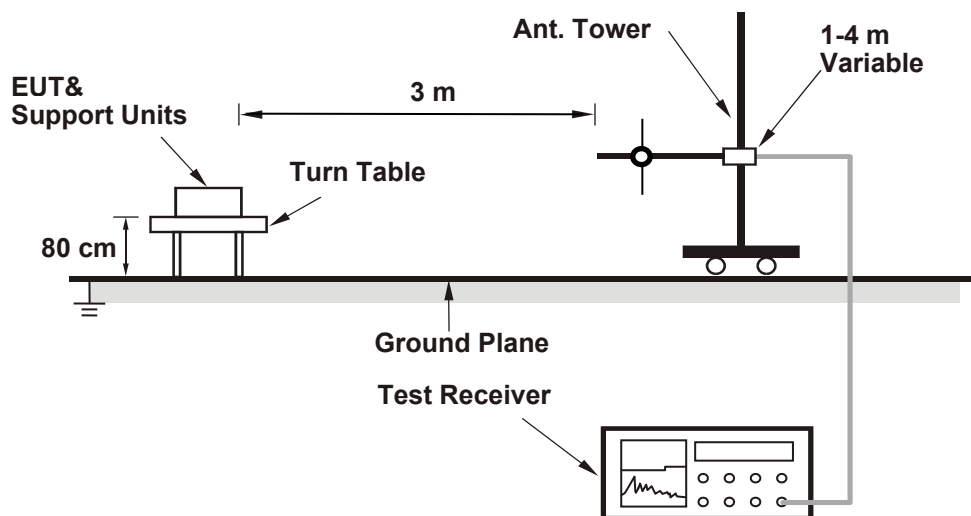
6.6 Radiated Spurious Emissions below 1GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.6.2 Test Procedure

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

- a. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- d. Following ANSI C63.26 section 5.5 and 5.2.7
- e. $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- f. $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

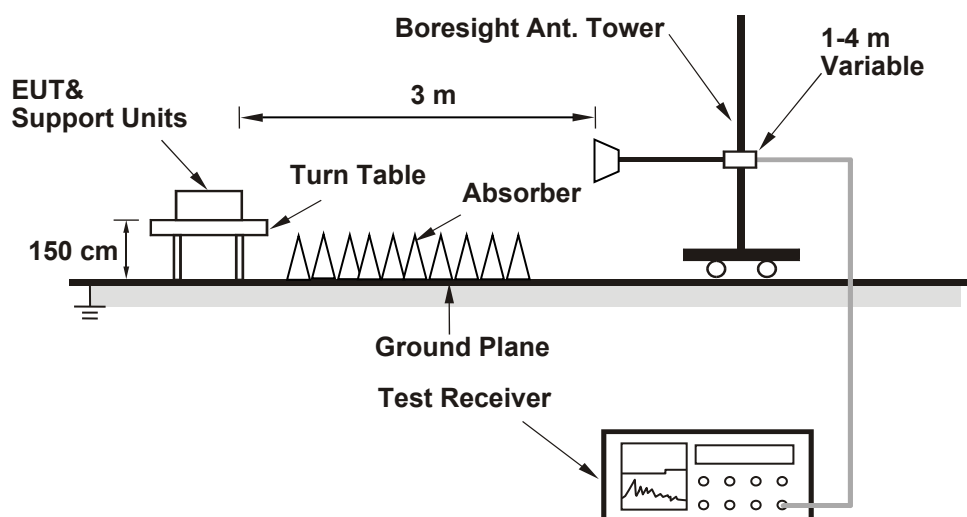
Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.
2. The amplitude of spurious emissions in the range 9 kHz to 30 MHz which are attenuated more than 20 dB below the permissible value need not be reported.

6.7 Radiated Spurious Emissions above 1GHz

6.7.1 Test Setup

For radiated emission above 1 GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.7.2 Test Procedure

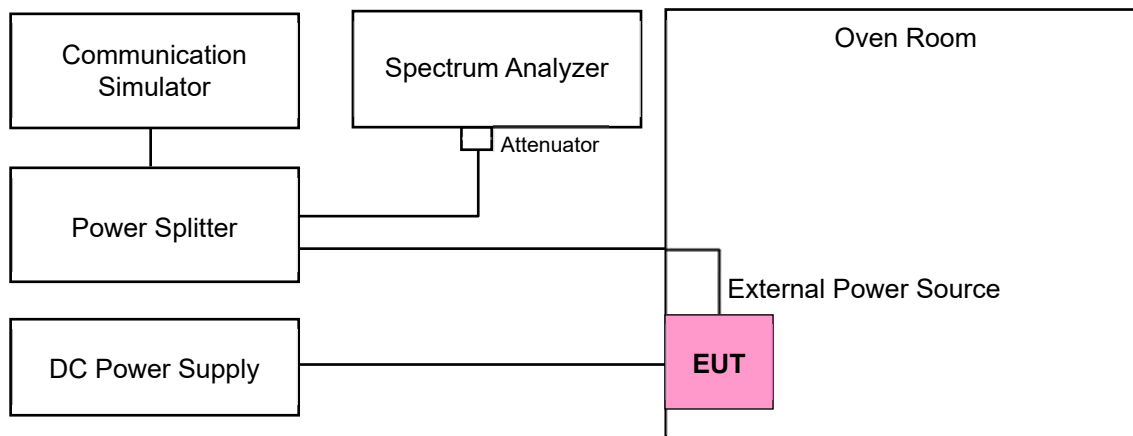
The EUT is configured to set data modulation and maximum power using WWAN technology.

- In the semi-anechoic chamber, EUT placed on the 1.5 m height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- Following ANSI C63.26 section 5.5 and 5.2.7
- $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

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

6.8 Frequency Stability

6.8.1 Test Setup



6.8.2 Test Procedure

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

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

Note: The frequency error was recorded frequency error from the communication simulator.

7 Test Results of Test Item

7.1 Maximum EIRP

Environmental Conditions:	23°C, 62% RH	Tested By:	Charles Hsiao
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7.1.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 637000	CH 641666	CH 646332
			3555 MHz	3624.99 MHz	3694.98 MHz
BPSK	1	1	23.15	23.18	23.17
	1	0	22.60	22.66	22.61
QPSK	1	1	23.07	23.20	23.18
	1	0	22.00	22.18	22.12
	1	11	22.97	23.13	23.10
	1	22	23.10	23.18	23.21
	1	23	21.99	22.17	22.15
	12	0	22.04	22.21	22.14
	12	6	23.04	23.14	23.12
	12	12	21.99	22.21	22.26
	24	0	22.07	22.22	22.17
16QAM	1	0	21.05	21.19	21.20
64QAM	1	0	20.54	20.44	20.40
256QAM	1	0	18.31	18.45	18.40

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.6	23.18	21.6	22.18	23
QPSK	21.99	23.21	20.99	22.21	23
16QAM	21.05	21.2	20.05	20.2	23
64QAM	20.4	20.54	19.4	19.54	23
256QAM	18.31	18.45	17.31	17.45	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Spectrum Plot of Worst Value



QPSK CH 646332 (3694.98 MHz)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Channel Bandwidth: 15 MHz, Output Power: Full Power

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 637168	CH 641666	CH 646166
			3557.52 MHz	3624.99 MHz	3692.49 MHz
BPSK	1	1	19.08	23.19	22.99
	1	0	19.04	22.69	22.35
QPSK	1	1	19.09	23.20	23.01
	1	0	19.11	22.05	21.98
	1	19	22.97	23.03	22.98
	1	36	23.15	23.16	18.94
	1	37	22.14	22.02	19.00
	18	0	19.10	22.08	21.95
	18	10	23.04	23.10	23.08
	18	20	22.12	22.16	22.09
	36	0	19.13	22.08	19.09
	38	0	17.15	20.24	17.02
16QAM	1	0	18.16	21.16	20.87
64QAM	1	0	17.87	20.27	20.45
256QAM	1	0	18.31	18.36	18.07

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	19.04	23.21	18.04	22.19	23
QPSK	17.02	23.2	16.02	22.2	23
16QAM	18.16	21.16	17.16	20.16	23
64QAM	17.87	20.45	16.87	19.45	23
256QAM	18.07	18.36	17.07	17.36	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Channel Bandwidth: 20 MHz, Output Power: Full Power

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 637334	CH 641666	CH 646000
			3560.01 MHz	3624.99 MHz	3690 MHz
BPSK	1	1	19.15	23.16	23.01
	1	0	19.10	22.63	22.44
QPSK	1	1	19.10	23.16	22.99
	1	0	19.14	22.08	21.99
	1	26	23.05	23.04	23.05
	1	49	23.15	23.17	19.01
	1	50	22.15	22.08	19.00
	25	0	19.17	22.15	22.01
	25	13	23.14	23.13	23.12
	25	26	22.12	22.21	22.10
	50	0	19.17	22.12	19.15
	51	0	17.17	20.33	17.05
16QAM	1	0	18.20	21.18	20.97
64QAM	1	0	17.89	20.37	20.51
256QAM	1	0	18.36	18.40	18.16

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	19.1	23.16	18.1	22.16	23
QPSK	17.05	23.17	16.05	22.17	23
16QAM	18.2	21.18	17.2	20.18	23
64QAM	17.89	20.51	16.89	19.51	23
256QAM	18.16	18.4	17.16	17.4	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Channel Bandwidth: 30 MHz, Output Power: Full Power

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 637668	CH 641666	CH 645666
			3565.02 MHz	3624.99 MHz	3684.99 MHz
BPSK	1	1	12.56	19.15	12.62
	1	0	12.57	19.14	12.64
QPSK	1	1	11.98	19.15	12.43
	1	0	12.12	19.19	12.47
	1	39	23.06	23.13	22.95
	1	76	12.53	19.27	12.40
	1	77	12.63	19.31	12.47
	36	0	12.09	22.19	17.09
	36	21	12.11	23.19	12.55
	36	42	17.25	19.21	12.57
	75	0	12.03	19.24	12.53
	78	0	11.56	19.14	11.45
16QAM	1	0	11.98	19.23	11.92
64QAM	1	0	11.72	19.24	11.71
256QAM	1	0	11.86	18.41	11.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	12.56	19.15	11.56	18.15	23
QPSK	11.45	23.19	10.45	22.19	23
16QAM	11.92	19.23	10.92	18.23	23
64QAM	11.71	19.24	10.71	18.24	23
256QAM	11.84	18.41	10.84	17.41	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Channel Bandwidth: 40 MHz, Output Power: Full Power

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 638000	CH 641666	CH 645332
			3570 MHz	3624.99 MHz	3679.98 MHz
BPSK	1	1	12.11	19.03	12.50
	1	0	12.09	19.05	12.51
QPSK	1	1	12.04	19.06	12.47
	1	0	12.12	19.01	12.54
	1	53	23.07	23.04	22.95
	1	104	12.63	19.09	12.46
	1	105	12.68	19.11	12.47
	50	0	12.13	22.04	17.10
	50	28	12.15	23.22	12.61
	50	56	17.30	22.23	12.57
	100	0	12.12	18.67	12.58
	106	0	11.65	18.70	11.52
16QAM	1	0	12.02	19.02	12.02
64QAM	1	0	11.75	18.75	11.72
256QAM	1	0	11.92	18.28	11.85

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	12.09	19.05	11.09	18.05	23
QPSK	11.52	23.22	10.52	22.22	23
16QAM	12.02	19.02	11.02	18.02	23
64QAM	11.72	18.75	10.72	17.75	23
256QAM	11.85	18.28	10.85	17.28	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Channel Bandwidth: 15 MHz, Output Power: dBm/10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 637168	CH 641666	CH 646166
			3557.52 MHz	3624.99 MHz	3692.49 MHz
BPSK	1	1	19.02	23.14	22.9
	1	0	19.02	22.66	22.31
QPSK	1	1	19.05	23.16	22.93
	1	0	19.1	22.04	21.88
	1	19	22.88	22.95	22.94
	1	36	23.07	23.14	18.87
	1	37	22.06	22.01	18.98
	18	0	19.03	22	21.85
	18	10	23	23.02	23.05
	18	20	22.07	22.1	22.08
	36	0	17.5	20.41	17.48
	38	0	15.55	18.63	15.38
16QAM	1	0	18.09	21.1	20.81
64QAM	1	0	17.86	20.23	20.38
256QAM	1	0	18.23	18.3	17.98

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	19.02	23.14	18.02	22.14	23
QPSK	15.38	23.16	14.38	22.16	23
16QAM	18.09	21.1	17.09	20.1	23
64QAM	17.86	20.38	16.86	19.38	23
256QAM	17.98	18.3	16.98	17.3	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Channel Bandwidth: 20 MHz, Output Power: dBm/10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 637334	CH 641666	CH 646000
			3560.01 MHz	3624.99 MHz	3690 MHz
BPSK	1	1	19.06	23.09	22.94
	1	0	19.04	22.59	22.38
QPSK	1	1	19.03	23.15	22.92
	1	0	19.13	22.03	21.93
	1	26	22.94	22.94	23.03
	1	49	23.09	23.14	18.94
	1	50	22.05	22	18.96
	25	0	19.08	22.06	21.95
	25	13	23.04	23.1	23.06
	25	26	22.03	22.17	22.06
	50	0	16.32	19.21	16.27
	51	0	14.22	17.3	14.01
16QAM	1	0	18.13	21.1	20.94
64QAM	1	0	17.8	20.28	20.46
256QAM	1	0	18.26	18.38	18.09

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	19.04	23.09	18.04	22.09	23
QPSK	14.01	23.15	13.01	22.15	23
16QAM	18.13	21.1	17.13	20.1	23
64QAM	17.8	20.46	16.8	19.46	23
256QAM	18.09	18.38	17.09	17.38	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Channel Bandwidth: 30 MHz, Output Power: dBm/10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 637668	CH 641666	CH 645666
			3565.02 MHz	3624.99 MHz	3684.99 MHz
BPSK	1	1	12.49	19.07	12.52
	1	0	12.46	19.08	12.63
QPSK	1	1	11.9	19.06	12.38
	1	0	12.03	19.14	12.43
	1	39	22.98	23.12	22.89
	1	76	12.43	19.18	12.34
	1	77	12.57	19.26	12.44
	36	0	10.97	21.03	15.93
	36	21	10.98	22.06	11.36
	36	42	16.12	18.02	11.42
	75	0	7.23	14.42	7.73
	78	0	6.68	14.19	6.57
16QAM	1	0	11.92	19.2	11.82
64QAM	1	0	11.66	19.15	11.66
256QAM	1	0	11.76	18.4	11.73

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	12.46	19.08	11.46	18.08	23
QPSK	6.57	23.12	5.57	22.12	23
16QAM	11.82	19.2	10.82	18.2	23
64QAM	11.66	19.15	10.66	18.15	23
256QAM	11.73	18.4	10.73	17.4	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), Channel Bandwidth: 40 MHz, Output Power: dBm/10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 638000	CH 641666	CH 645332
			3570 MHz	3624.99 MHz	3679.98 MHz
BPSK	1	1	12	18.99	12.45
	1	0	12.07	18.99	12.46
QPSK	1	1	11.96	19.02	12.44
	1	0	12.01	18.9	12.45
	1	53	22.98	22.96	22.93
	1	104	12.53	19.03	12.38
	1	105	12.62	19.01	12.45
	50	0	9.67	19.64	14.64
	50	28	9.69	20.8	10.21
	50	56	14.85	19.79	10.17
	100	0	6.09	12.65	6.55
	106	0	5.55	12.55	5.4
16QAM	1	0	11.97	19.01	11.95
64QAM	1	0	11.69	18.66	11.61
256QAM	1	0	11.84	18.17	11.81

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	12	18.99	11	17.99	23
QPSK	5.4	22.98	4.4	21.98	23
16QAM	11.95	19.01	10.95	18.01	23
64QAM	11.61	18.66	10.61	17.66	23
256QAM	11.81	18.17	10.81	17.17	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.2 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO, Channel Bandwidth: 10 MHz

NR n48 SCS 30 kHz 10M											
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 637000			CH 641666			CH 646332		
			3555 MHz			3624.99 MHz			3694.98 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
BPSK	1	1	20.10	20.18	23.15	20.30	19.69	23.02	20.30	19.22	22.80
QPSK	1	1	20.00	20.15	23.09	20.27	19.77	23.04	20.25	19.45	22.88
	1	0	19.17	19.27	22.23	19.31	18.67	22.01	19.25	18.22	21.78
	1	11	20.10	20.11	23.12	20.28	19.67	23.00	20.23	19.08	22.70
	1	22	20.16	20.24	23.21	20.29	19.60	22.97	20.20	19.16	22.72
	1	23	19.03	19.16	22.11	19.30	18.56	21.96	19.22	18.10	21.71
	12	0	19.25	19.30	22.29	19.37	18.69	22.05	19.30	18.24	21.81
	12	6	20.05	20.15	23.11	20.23	19.72	22.99	20.18	19.37	22.80
	12	12	19.20	19.30	22.26	19.36	18.64	22.03	19.26	18.18	21.76
	24	0	19.21	19.25	22.24	19.33	18.71	22.04	19.37	18.24	21.85
16QAM	1	0	18.42	18.49	21.47	18.36	17.77	21.09	18.30	17.19	20.79
64QAM	1	0	17.42	17.60	20.52	17.60	16.95	20.30	17.62	16.47	20.09
256QAM	1	0	15.40	15.42	18.42	15.59	15.00	18.32	15.55	14.44	18.04

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	22.8	23.15	21.8	22.15	23
QPSK	21.71	23.21	20.71	22.21	23
16QAM	20.79	21.47	19.79	20.47	23
64QAM	20.09	20.52	19.09	19.52	23
256QAM	18.04	18.42	17.04	17.42	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO, Channel Bandwidth: 15 MHz, Output Power: Full Power

NR n48 SCS 30 kHz 15M											
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 637168			CH 641666			CH 646166		
			3557.52 MHz			3624.99 MHz			3692.49 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
BPSK	1	1	16.06	16.19	19.14	20.13	19.73	22.94	20.07	18.97	22.57
QPSK	1	1	16.14	16.18	19.17	20.18	19.70	22.96	20.11	19.09	22.64
	1	0	16.19	16.22	19.22	19.07	18.50	21.80	19.15	17.98	21.61
	1	19	20.04	20.25	23.16	20.16	19.56	22.88	20.11	19.00	22.60
	1	36	20.14	19.45	22.82	20.25	19.50	22.90	16.03	14.94	18.53
	1	37	19.13	19.23	22.19	19.13	18.49	21.83	15.98	14.91	18.49
	18	0	16.20	16.29	19.26	19.30	18.72	22.03	19.09	18.11	21.64
	18	10	20.19	20.30	23.26	20.30	19.61	22.98	20.12	19.10	22.65
	18	20	19.25	19.43	22.35	19.26	19.51	22.40	19.11	18.03	21.61
	36	0	16.14	16.31	19.24	19.21	18.67	21.96	9.29	8.25	11.81
16QAM	1	0	15.10	15.24	18.18	18.19	17.72	20.97	18.12	17.04	20.62
64QAM	1	0	14.92	14.97	17.96	17.43	16.93	20.20	17.86	16.65	20.31
256QAM	1	0	15.41	15.43	18.43	15.38	14.92	18.17	15.29	14.28	17.82

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	19.14	22.94	18.14	21.94	23
QPSK	11.81	23.26	10.81	22.26	23
16QAM	18.18	20.97	17.18	19.97	23
64QAM	17.96	20.31	16.96	19.31	23
256QAM	17.82	18.43	16.82	17.43	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO, Channel Bandwidth: 20 MHz, Output Power: Full Power

NR n48 SCS 30 kHz 20M											
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 637334			CH 641666			CH 646000		
			3560.01 MHz			3624.99 MHz			3690 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
BPSK	1	1	16.11	16.22	19.18	20.19	19.79	23.00	20.13	18.99	22.61
QPSK	1	1	16.17	16.20	19.20	20.28	19.79	23.05	20.19	19.09	22.69
	1	0	16.23	16.29	19.27	19.13	18.59	21.88	19.17	18.01	21.64
	1	26	20.07	20.32	23.21	20.24	19.61	22.95	20.12	19.02	22.62
	1	49	20.14	19.45	22.82	20.31	19.57	22.97	16.05	14.96	18.55
	1	50	19.20	19.30	22.26	19.23	18.51	21.90	15.98	14.92	18.49
	25	0	16.26	16.32	19.30	19.32	18.75	22.05	19.17	18.11	21.68
	25	13	20.22	20.37	23.31	20.33	19.65	23.01	20.19	19.11	22.69
	25	26	19.31	19.44	22.39	19.32	19.60	22.47	19.15	18.11	21.67
	50	0	16.23	16.35	19.30	19.31	18.70	22.03	9.31	8.34	11.86
16QAM	1	0	15.20	15.33	18.28	18.28	17.75	21.03	18.15	17.07	20.65
64QAM	1	0	15.00	15.02	18.02	17.47	17.01	20.26	17.88	16.73	20.35
256QAM	1	0	15.41	15.52	18.48	15.42	14.92	18.19	15.35	14.29	17.86

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	19.18	23	18.18	22	23
QPSK	11.86	23.31	10.86	22.31	23
16QAM	18.28	21.03	17.28	20.03	23
64QAM	18.02	20.35	17.02	19.35	23
256QAM	17.86	18.48	16.86	17.48	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO, Channel Bandwidth: 30 MHz, Output Power: Full Power

NR n48 SCS 30 kHz 30M											
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 637668			CH 641666			CH 645666		
			3565.02 MHz			3624.99 MHz			3684.99 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
BPSK	1	1	8.92	9.08	12.01	15.95	16.01	18.99	9.36	8.35	11.89
QPSK	1	1	9.42	9.45	12.45	15.97	16.09	19.04	9.39	8.71	12.07
	1	0	9.01	9.11	12.07	16.08	16.15	19.13	9.39	8.44	11.95
	1	39	20.05	20.11	23.09	20.06	19.80	22.94	20.06	18.98	22.56
	1	76	9.67	9.50	12.60	16.04	15.52	18.80	9.28	8.25	11.81
	1	77	9.63	9.47	12.56	16.09	15.65	18.89	9.21	8.18	11.74
	36	0	9.10	9.14	12.13	19.18	19.13	22.17	14.09	13.01	16.59
	36	21	9.13	9.39	12.27	20.21	19.95	23.09	9.36	8.94	12.17
	36	42	14.25	14.18	17.23	19.23	18.74	22.00	9.30	8.35	11.86
	75	0	9.01	9.05	12.04	15.63	15.42	18.54	9.36	8.36	11.90
16QAM	1	0	9.06	9.21	12.15	16.03	16.13	19.09	8.88	7.98	11.46
64QAM	1	0	8.75	8.83	11.80	15.83	15.75	18.80	9.03	7.86	11.49
256QAM	1	0	8.71	8.92	11.83	15.37	15.40	18.40	8.56	7.69	11.16

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	11.89	18.99	10.89	17.99	23
QPSK	11.74	23.09	10.74	22.09	23
16QAM	11.46	19.09	10.46	18.09	23
64QAM	11.49	18.8	10.49	17.8	23
256QAM	11.16	18.4	10.16	17.4	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO, Channel Bandwidth: 40 MHz, Output Power: Full Power

NR n48 SCS 30 kHz 40M											
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 638000			CH 641666			CH 645332		
			3570 MHz			3624.99 MHz			3679.98 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
BPSK	1	1	9.00	9.09	12.06	16.01	15.75	18.89	9.43	8.37	11.94
QPSK	1	1	8.96	9.25	12.12	16.02	15.89	18.97	9.42	8.81	12.14
	1	0	9.04	9.11	12.09	16.12	15.86	19.00	9.44	8.46	11.99
	1	53	20.05	20.21	23.14	20.12	19.60	22.88	20.11	19.02	22.61
	1	104	9.71	9.56	12.65	16.12	15.32	18.75	9.29	8.25	11.81
	1	105	9.64	9.52	12.59	16.17	15.35	18.79	9.25	8.26	11.79
	50	0	9.14	9.15	12.16	19.20	18.83	22.03	14.10	13.04	16.61
	50	28	9.13	9.42	12.29	20.30	19.70	23.02	9.38	8.98	12.19
	50	56	14.25	14.26	17.27	19.25	18.50	21.90	9.39	8.42	11.94
	100	0	9.11	9.05	12.09	15.70	15.14	18.44	9.40	8.40	11.94
16QAM	1	0	9.09	9.27	12.19	16.12	15.91	19.03	8.94	8.07	11.54
64QAM	1	0	8.84	8.93	11.90	15.87	15.5	18.70	9.04	7.95	11.54
256QAM	1	0	8.78	9	11.90	15.39	15.15	18.28	8.66	7.71	11.22

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	11.94	18.89	10.94	17.89	23
QPSK	11.79	23.14	10.79	22.14	23
16QAM	11.54	19.03	10.54	18.03	23
64QAM	11.54	18.7	10.54	17.7	23
256QAM	11.22	18.28	10.22	17.28	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO, Channel Bandwidth: 15 MHz, Output Power: dBm/10 MHz

NR n48 SCS 30 kHz 15M											
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 637168			CH 641666			CH 646166		
			3557.52 MHz			3624.99 MHz			3692.49 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
BPSK	1	1	15.99	16.14	19.08	20.02	19.65	22.85	20.01	18.86	22.48
QPSK	1	1	16.03	16.06	19.06	20.07	19.62	22.86	19.99	19.03	22.55
	1	0	16.07	16.13	19.11	18.96	18.43	21.71	19.09	17.88	21.54
	1	19	19.98	20.15	23.08	20.08	19.5	22.81	20	18.88	22.49
	1	36	20.02	19.38	22.72	20.19	19.39	22.82	15.94	14.87	18.45
	1	37	19.03	19.15	22.10	19.05	18.41	21.75	15.92	14.82	18.42
	18	0	16.14	16.16	19.16	19.22	18.62	21.94	19.04	18.05	21.58
	18	10	20.05	20.21	23.14	20.2	19.5	22.87	20.01	19.02	22.55
	18	20	19.11	19.32	22.23	19.15	19.43	22.30	19.01	17.92	21.51
	36	0	14.37	14.58	17.49	17.5	16.93	20.23	7.54	6.5	10.06
16QAM	1	0	15.05	15.16	18.12	18.12	17.61	20.88	18.05	16.94	20.54
64QAM	1	0	14.81	14.92	17.88	17.33	16.81	20.09	17.76	16.58	20.22
256QAM	1	0	15.34	15.37	18.37	15.3	14.86	18.10	15.18	14.21	17.73

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	19.08	22.85	18.08	21.85	23
QPSK	10.06	23.14	9.06	22.14	23
16QAM	18.12	20.88	17.12	19.88	23
64QAM	17.88	20.22	16.88	19.22	23
256QAM	17.73	18.37	16.73	17.37	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

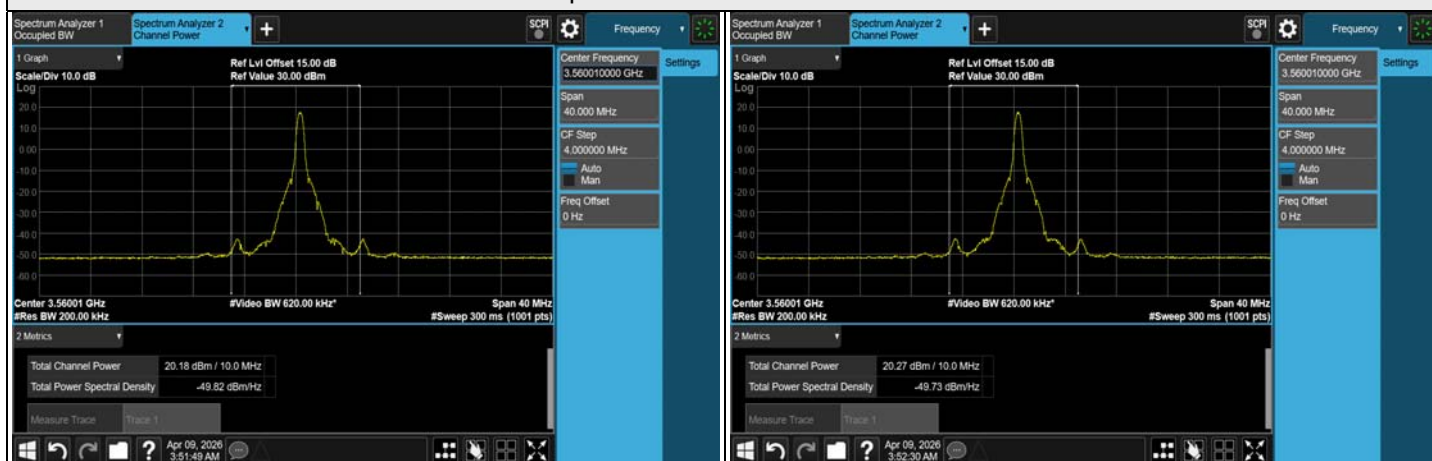
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO, Channel Bandwidth: 20 MHz, Output Power: dBm/10 MHz

NR n48 SCS 30 kHz 20M											
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 637334			CH 641666			CH 646000		
			3560.01 MHz			3624.99 MHz			3690 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
BPSK	1	1	16.02	16.11	19.08	20.11	19.73	22.93	20.07	18.94	22.55
QPSK	1	1	16.06	16.12	19.10	20.23	19.68	22.97	20.07	19.03	22.59
	1	0	16.17	16.21	19.20	19.06	18.5	21.80	19.05	17.9	21.52
	1	26	20.18	20.27	23.24	20.15	19.52	22.86	20.07	18.94	22.55
	1	49	20.07	19.4	22.76	20.19	19.48	22.86	15.95	14.88	18.46
	1	50	19.14	19.18	22.17	19.16	18.4	21.81	15.92	14.87	18.44
	25	0	16.16	16.18	19.18	19.23	18.68	21.97	19.07	18.06	21.60
	25	13	20.12	20.28	23.21	20.22	19.56	22.91	20.12	19.04	22.62
	25	26	19.18	19.31	22.26	19.27	19.46	22.38	19.02	17.99	21.55
	50	0	13.16	13.28	16.23	16.3	15.61	18.98	6.28	5.3	8.83
16QAM	1	0	15.12	15.26	18.20	18.21	17.65	20.95	18.1	17.02	20.60
64QAM	1	0	14.92	14.92	17.93	17.35	16.91	20.15	17.76	16.64	20.25
256QAM	1	0	15.33	15.45	18.40	15.33	14.84	18.10	15.24	14.18	17.75

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	19.08	22.93	18.08	21.93	23
QPSK	8.83	23.24	7.83	22.24	23
16QAM	18.2	20.95	17.2	19.95	23
64QAM	17.93	20.25	16.93	19.25	23
256QAM	17.75	18.4	16.75	17.4	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Spectrum Plot of Worst Value



QPSK CH 637334 (3560.01 MHz) Ant.0

QPSK CH 637334 (3560.01 MHz) Ant.3

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO, Channel Bandwidth: 30 MHz, Output Power: dBm/10 MHz

NR n48 SCS 30 kHz 30M											
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 637668			CH 641666			CH 645666		
			3565.02 MHz			3624.99 MHz			3684.99 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
BPSK	1	1	8.82	8.97	11.91	15.84	15.93	18.90	9.25	8.3	11.81
QPSK	1	1	9.3	9.36	12.34	15.88	16.04	18.97	9.28	8.62	11.97
	1	0	8.9	9.04	11.98	15.99	16.1	19.06	9.29	8.37	11.86
	1	39	19.94	20	22.98	19.94	19.71	22.84	19.99	18.91	22.49
	1	76	9.56	9.43	12.51	15.93	15.44	18.70	9.2	8.2	11.74
	1	77	9.57	9.37	12.48	16.04	15.59	18.83	9.12	8.1	11.65
	36	0	7.79	7.8	10.81	17.8	17.83	20.83	12.76	11.69	15.27
	36	21	7.8	8	10.91	18.89	18.64	21.78	8.03	7.62	10.84
	36	42	12.92	12.82	15.88	17.86	17.43	20.66	7.99	7.01	10.54
	75	0	4.01	4.04	7.04	10.54	10.4	13.48	4.31	3.31	6.85
16QAM	1	0	8.97	9.14	12.07	15.94	16.01	18.99	8.76	7.93	11.38
64QAM	1	0	8.65	8.76	11.72	15.77	15.63	18.71	8.91	7.74	11.37
256QAM	1	0	8.59	8.81	11.71	15.26	15.29	18.29	8.49	7.64	11.10

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	11.81	18.9	10.81	17.9	23
QPSK	6.85	22.98	5.85	21.98	23
16QAM	11.38	18.99	10.38	17.99	23
64QAM	11.37	18.71	10.37	17.71	23
256QAM	11.1	18.29	10.1	17.29	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO, Channel Bandwidth: 40 MHz, Output Power: dBm/10 MHz

NR n48 SCS 30 kHz 40M											
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)								
			CH 638000			CH 641666			CH 645332		
			3570 MHz			3624.99 MHz			3679.98 MHz		
			TX 1	TX 2	Total	TX 1	TX 2	Total	TX 1	TX 2	Total
BPSK	1	1	8.93	9.04	12.00	15.91	15.65	18.79	9.34	8.26	11.84
QPSK	1	1	8.87	9.18	12.04	15.91	15.82	18.88	9.33	8.73	12.05
	1	0	8.93	9.04	12.00	16	15.76	18.89	9.36	8.38	11.91
	1	53	19.96	20.12	23.05	20.05	19.55	22.82	20.02	18.92	22.52
	1	104	9.61	9.45	12.54	16.04	15.23	18.66	9.21	8.15	11.72
	1	105	9.59	9.41	12.51	16.12	15.29	18.74	9.15	8.19	11.71
	50	0	6.57	6.59	9.59	16.62	16.32	19.48	11.54	10.47	14.05
	50	28	6.58	6.83	9.72	17.76	17.18	20.49	6.88	6.48	9.69
	50	56	11.69	11.76	14.74	16.7	15.99	19.37	6.89	5.88	9.42
	100	0	3.06	3.04	6.06	9.7	9.14	12.44	3.34	2.33	5.87
16QAM	1	0	8.98	9.18	12.09	16.04	15.81	18.94	8.83	8	11.45
64QAM	1	0	8.78	8.86	11.83	15.8	15.39	18.61	8.92	7.83	11.42
256QAM	1	0	8.67	8.9	11.80	15.34	15.08	18.22	8.55	7.61	11.12

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
BPSK	11.84	18.79	10.84	17.79	23
QPSK	5.87	23.05	4.87	22.05	23
16QAM	11.45	18.94	10.45	17.94	23
64QAM	11.42	18.61	10.42	17.61	23
256QAM	11.12	18.22	10.12	17.22	23

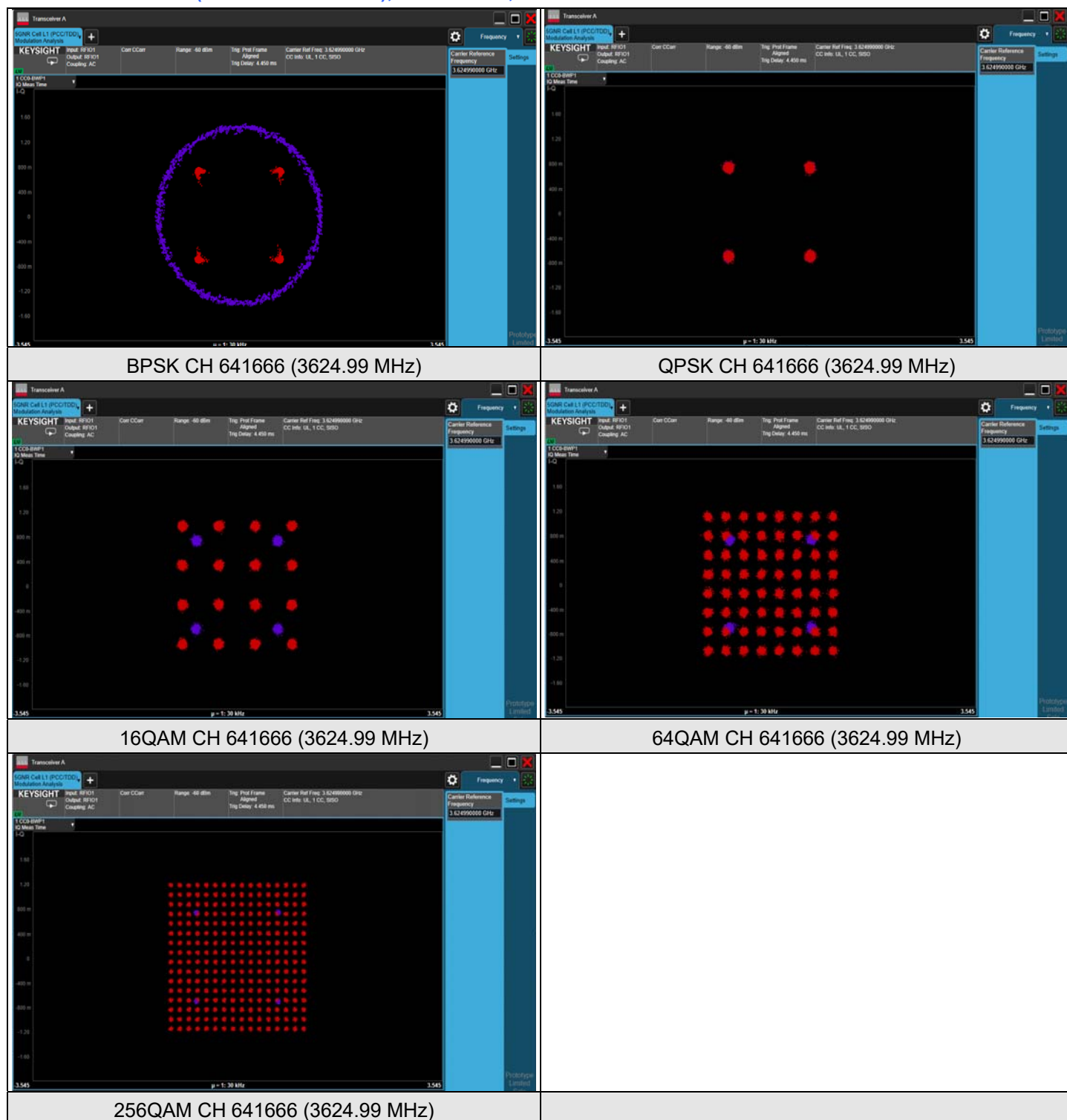
Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.2 Modulation Characteristics

Environmental Conditions:	22°C, 73% RH	Tested By:	Willy Cheng
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7.2.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 40 MHz



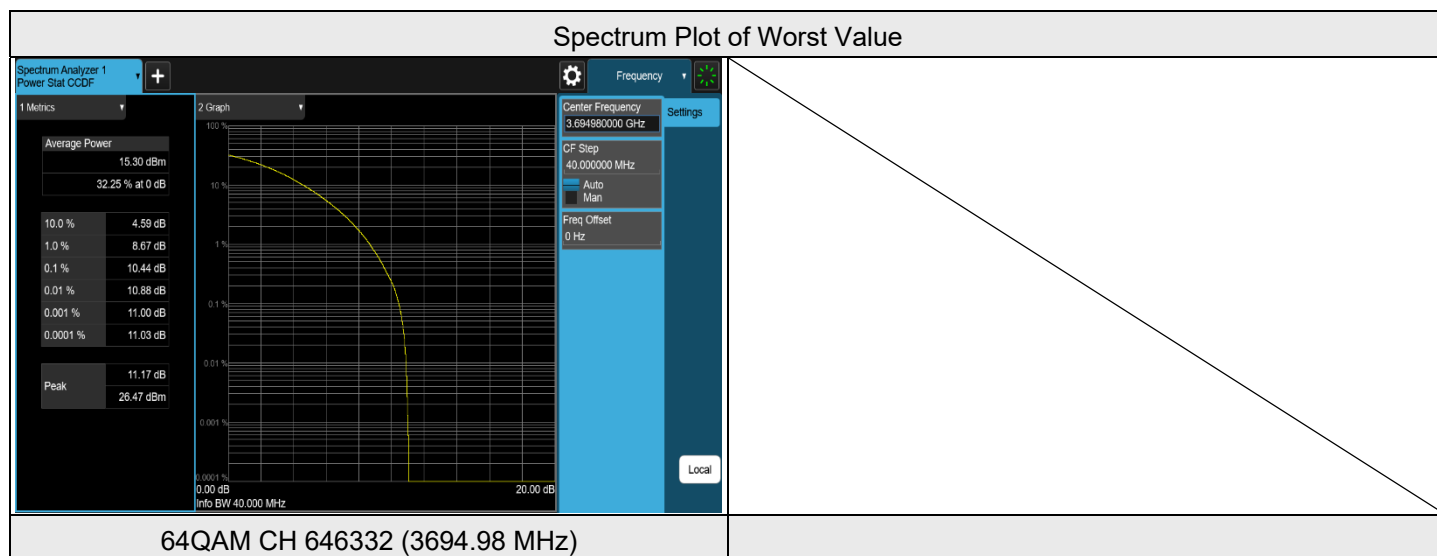
7.3 Peak to Average Ratio

Environmental Conditions:	25°C, 66% RH	Tested By:	James Yang
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7.3.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

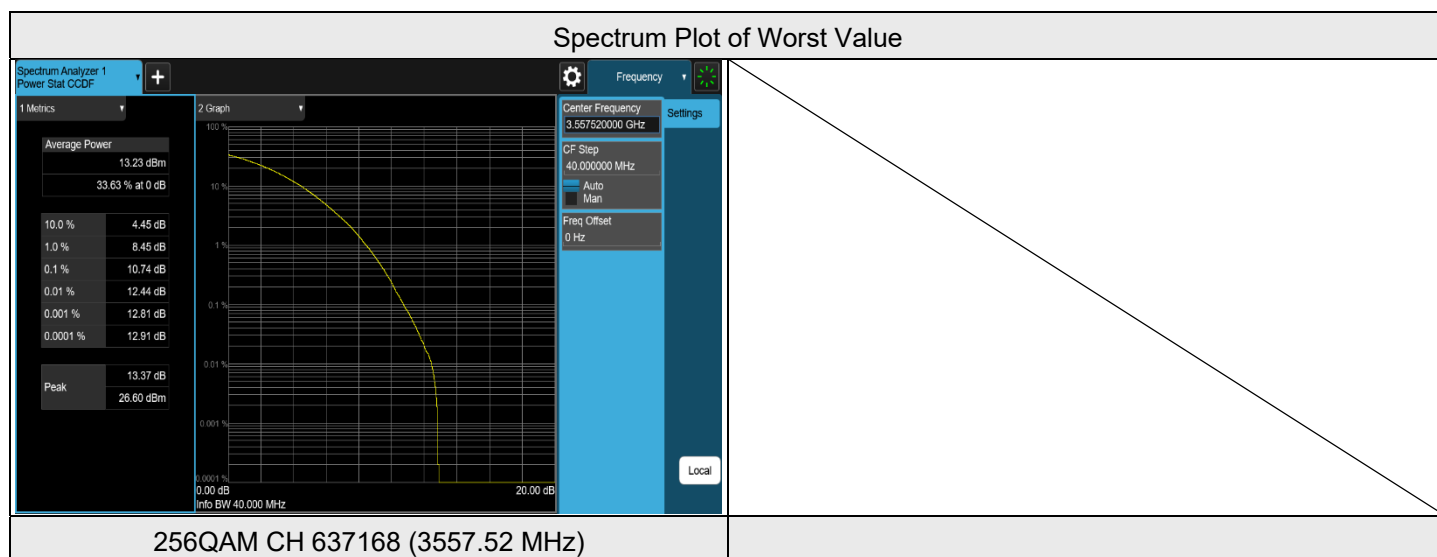
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 10 MHz

NR n48 SCS 30 kHz 10M					
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
BPSK	637000	3555	6.20	13	PASS
BPSK	641666	3624.99	6.47	13	PASS
BPSK	646332	3694.98	6.20	13	PASS
QPSK	637000	3555	8.54	13	PASS
QPSK	641666	3624.99	8.57	13	PASS
QPSK	646332	3694.98	9.79	13	PASS
16QAM	637000	3555	8.74	13	PASS
16QAM	641666	3624.99	8.52	13	PASS
16QAM	646332	3694.98	9.35	13	PASS
64QAM	637000	3555	9.47	13	PASS
64QAM	641666	3624.99	9.34	13	PASS
64QAM	646332	3694.98	10.44	13	PASS
256QAM	637000	3555	10.38	13	PASS
256QAM	641666	3624.99	10.33	13	PASS
256QAM	646332	3694.98	10.30	13	PASS



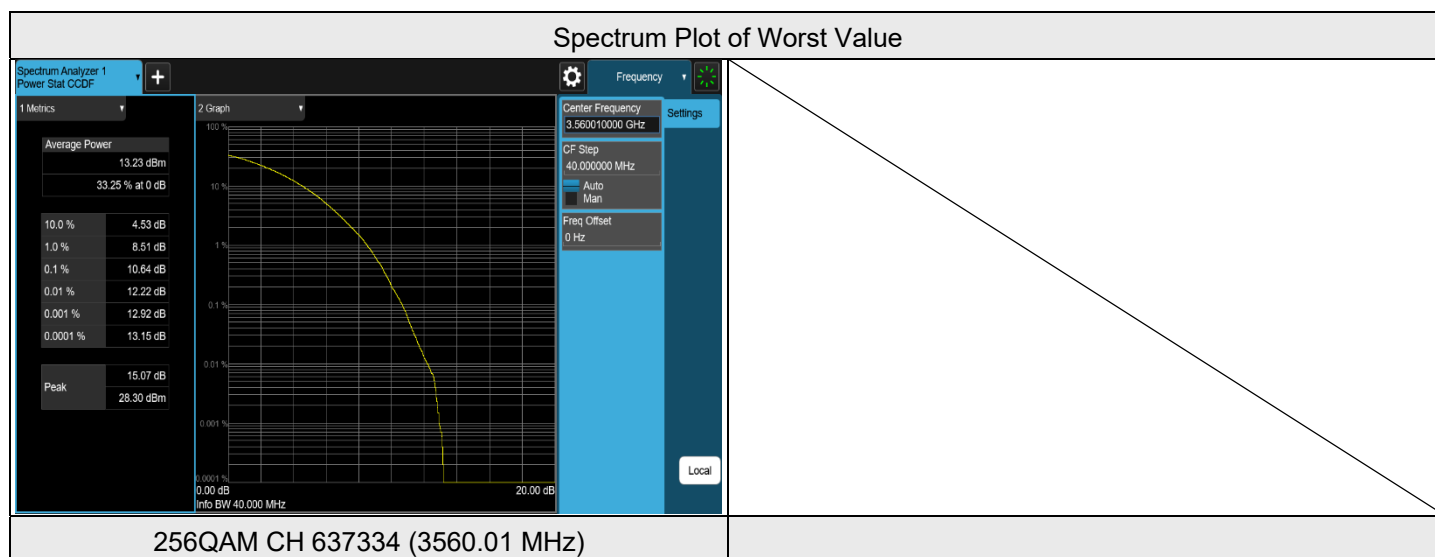
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 15 MHz

NR n48 SCS 30 kHz 15M					
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
BPSK	637168	3557.52	6.79	13	PASS
BPSK	641666	3624.99	6.43	13	PASS
BPSK	646166	3692.49	6.51	13	PASS
QPSK	637168	3557.52	9.28	13	PASS
QPSK	641666	3624.99	8.85	13	PASS
QPSK	646166	3692.49	9.07	13	PASS
16QAM	637168	3557.52	8.98	13	PASS
16QAM	641666	3624.99	8.99	13	PASS
16QAM	646166	3692.49	8.99	13	PASS
64QAM	637168	3557.52	9.58	13	PASS
64QAM	641666	3624.99	9.53	13	PASS
64QAM	646166	3692.49	9.95	13	PASS
256QAM	637168	3557.52	10.74	13	PASS
256QAM	641666	3624.99	10.23	13	PASS
256QAM	646166	3692.49	10.68	13	PASS



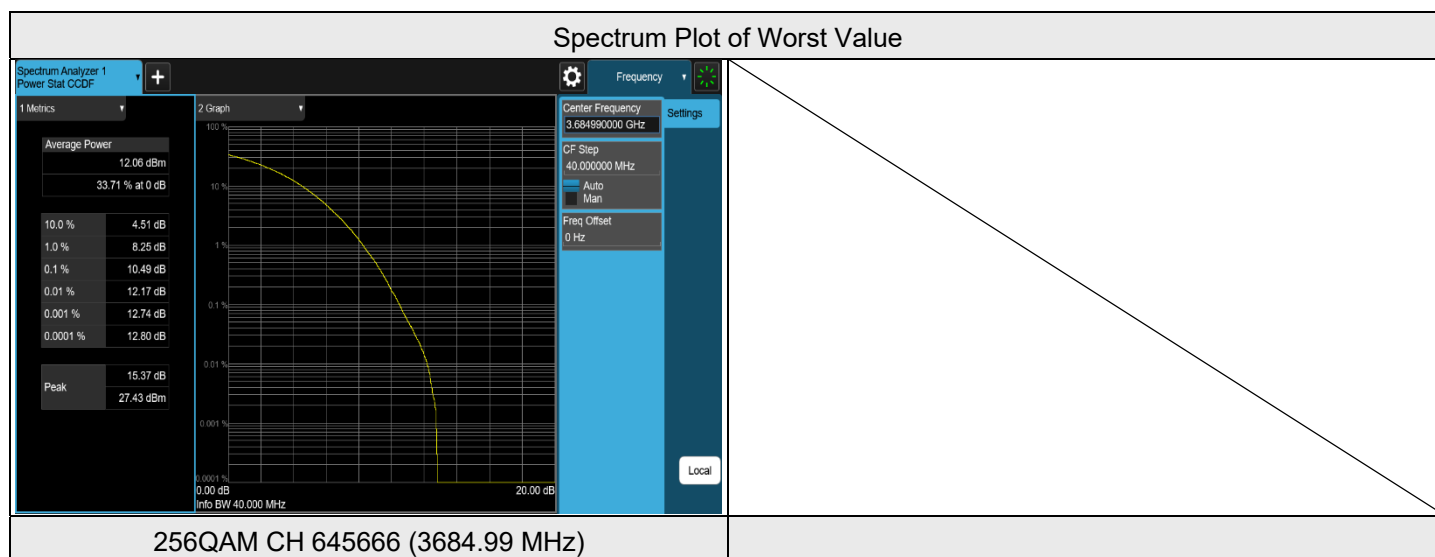
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 20 MHz

NR n48 SCS 30 kHz 20M					
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
BPSK	637334	3560.01	6.01	13	PASS
BPSK	641666	3624.99	6.05	13	PASS
BPSK	646000	3690	5.78	13	PASS
QPSK	637334	3560.01	9.33	13	PASS
QPSK	641666	3624.99	8.63	13	PASS
QPSK	646000	3690	8.51	13	PASS
16QAM	637334	3560.01	9.38	13	PASS
16QAM	641666	3624.99	8.65	13	PASS
16QAM	646000	3690	8.63	13	PASS
64QAM	637334	3560.01	10.53	13	PASS
64QAM	641666	3624.99	9.57	13	PASS
64QAM	646000	3690	9.66	13	PASS
256QAM	637334	3560.01	10.64	13	PASS
256QAM	641666	3624.99	10.16	13	PASS
256QAM	646000	3690	10.05	13	PASS



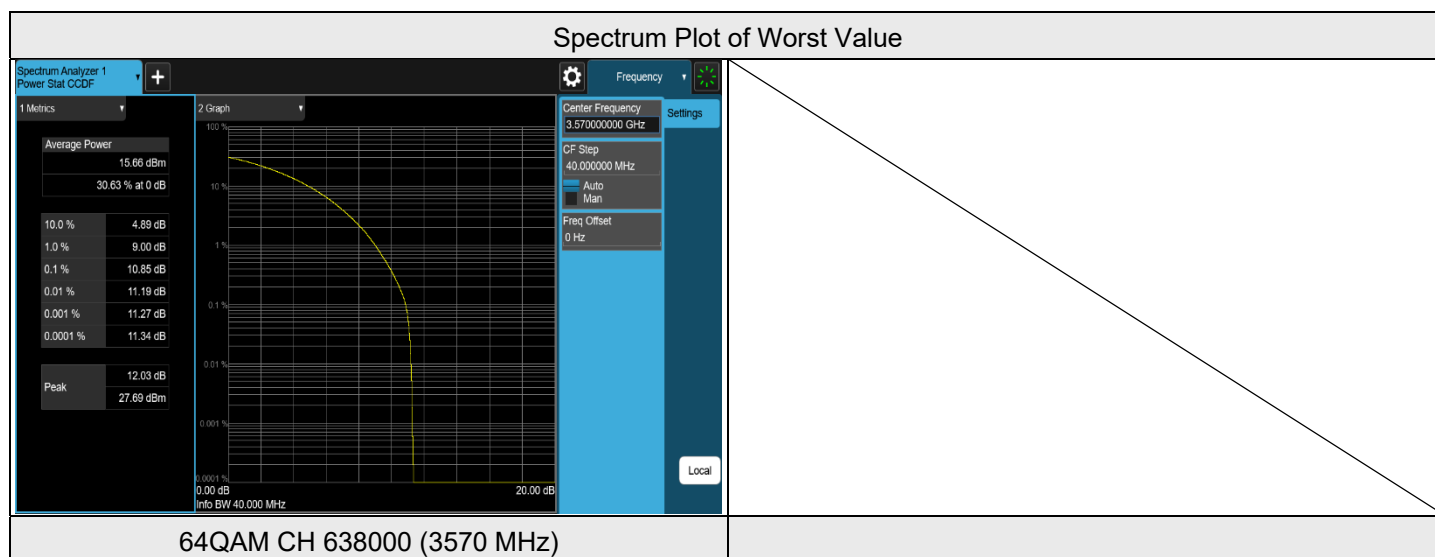
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 30 MHz

NR n48 SCS 30 kHz 30M					
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
BPSK	637668	3565.02	6.20	13	PASS
BPSK	641666	3624.99	5.79	13	PASS
BPSK	645666	3684.99	6.08	13	PASS
QPSK	637668	3565.02	9.14	13	PASS
QPSK	641666	3624.99	9.22	13	PASS
QPSK	645666	3684.99	9.24	13	PASS
16QAM	637668	3565.02	9.39	13	PASS
16QAM	641666	3624.99	9.71	13	PASS
16QAM	645666	3684.99	8.56	13	PASS
64QAM	637668	3565.02	10.17	13	PASS
64QAM	641666	3624.99	9.13	13	PASS
64QAM	645666	3684.99	10.12	13	PASS
256QAM	637668	3565.02	10.34	13	PASS
256QAM	641666	3624.99	10.47	13	PASS
256QAM	645666	3684.99	10.49	13	PASS



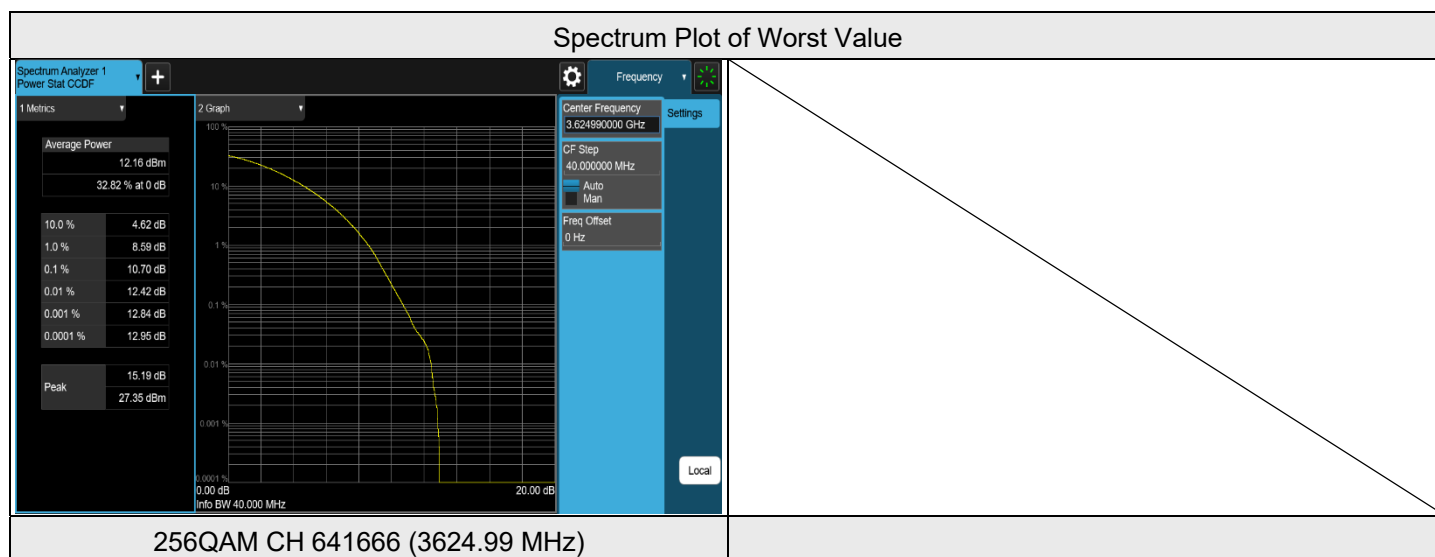
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 40 MHz

NR n48 SCS 30 kHz 40M					
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
BPSK	638000	3570	6.16	13	PASS
BPSK	641666	3624.99	6.13	13	PASS
BPSK	645332	3679.98	6.41	13	PASS
QPSK	638000	3570	10.10	13	PASS
QPSK	641666	3624.99	8.72	13	PASS
QPSK	645332	3679.98	8.77	13	PASS
16QAM	638000	3570	8.89	13	PASS
16QAM	641666	3624.99	9.38	13	PASS
16QAM	645332	3679.98	9.49	13	PASS
64QAM	638000	3570	10.85	13	PASS
64QAM	641666	3624.99	9.29	13	PASS
64QAM	645332	3679.98	9.65	13	PASS
256QAM	638000	3570	10.12	13	PASS
256QAM	641666	3624.99	10.17	13	PASS
256QAM	645332	3679.98	10.22	13	PASS



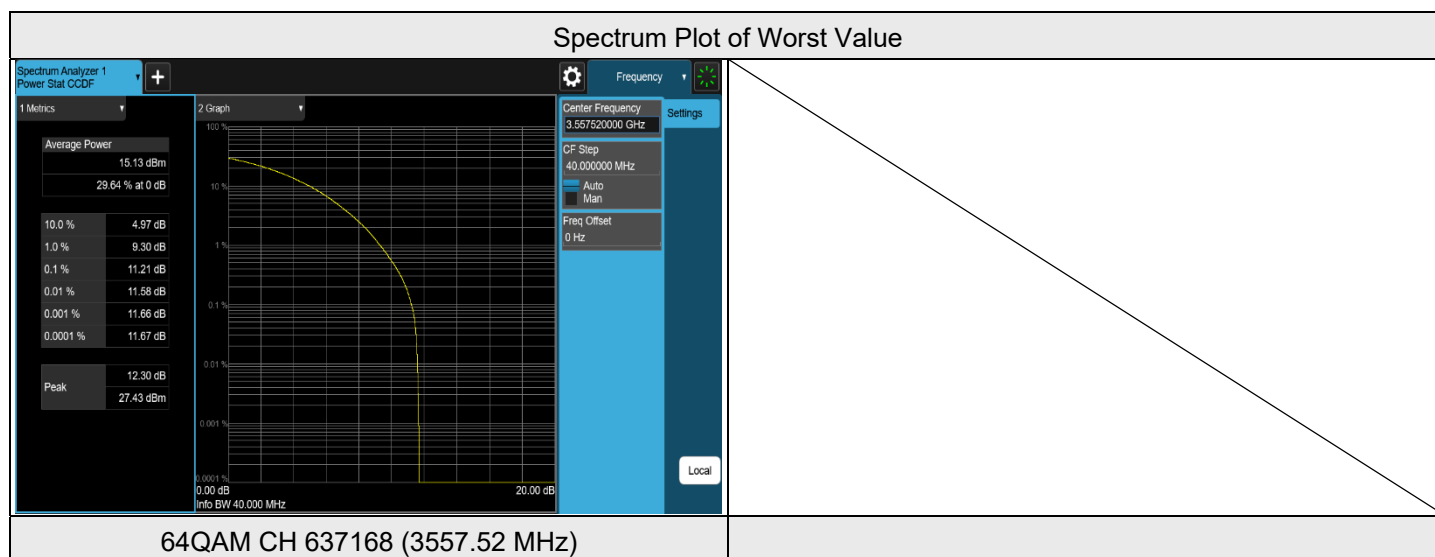
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 10 MHz

NR n48 SCS 30 kHz 10M					
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
BPSK	637000	3555	6.80	13	PASS
BPSK	641666	3624.99	6.41	13	PASS
BPSK	646332	3694.98	6.15	13	PASS
QPSK	637000	3555	8.80	13	PASS
QPSK	641666	3624.99	8.45	13	PASS
QPSK	646332	3694.98	8.86	13	PASS
16QAM	637000	3555	9.37	13	PASS
16QAM	641666	3624.99	8.66	13	PASS
16QAM	646332	3694.98	9.82	13	PASS
64QAM	637000	3555	10.57	13	PASS
64QAM	641666	3624.99	9.42	13	PASS
64QAM	646332	3694.98	9.96	13	PASS
256QAM	637000	3555	10.32	13	PASS
256QAM	641666	3624.99	10.70	13	PASS
256QAM	646332	3694.98	10.19	13	PASS



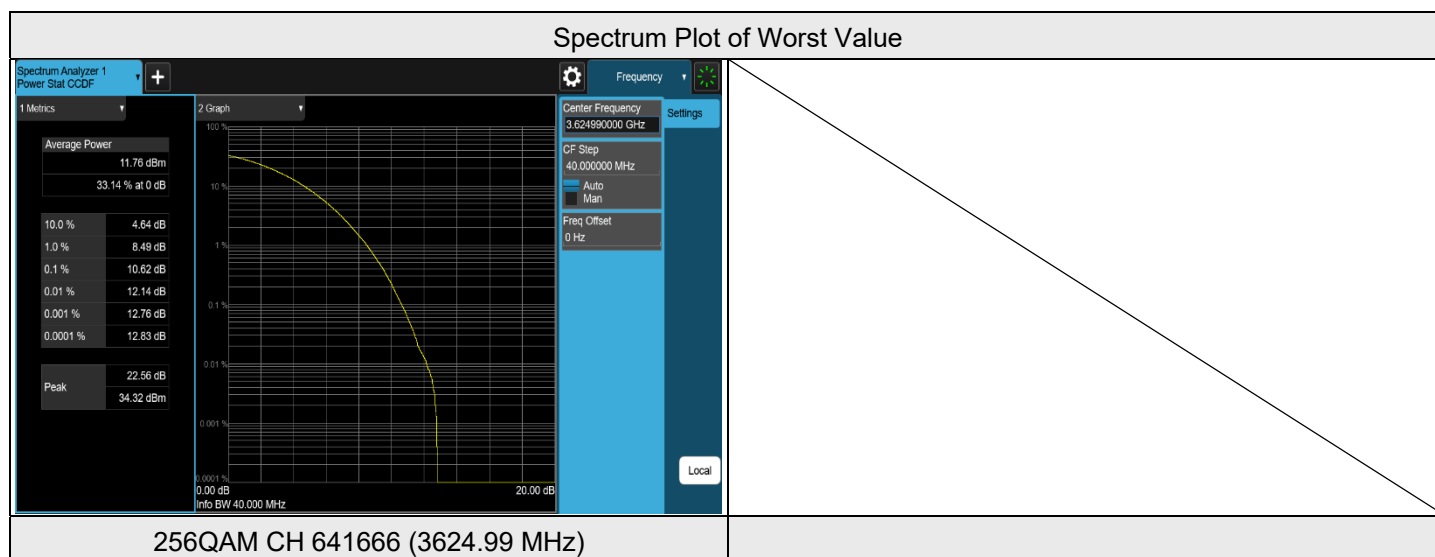
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 15 MHz

NR n48 SCS 30 kHz 15M					
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
BPSK	637168	3557.52	6.42	13	PASS
BPSK	641666	3624.99	6.00	13	PASS
BPSK	646166	3692.49	6.17	13	PASS
QPSK	637168	3557.52	9.83	13	PASS
QPSK	641666	3624.99	9.32	13	PASS
QPSK	646166	3692.49	8.77	13	PASS
16QAM	637168	3557.52	9.03	13	PASS
16QAM	641666	3624.99	9.00	13	PASS
16QAM	646166	3692.49	9.46	13	PASS
64QAM	637168	3557.52	11.21	13	PASS
64QAM	641666	3624.99	10.48	13	PASS
64QAM	646166	3692.49	9.14	13	PASS
256QAM	637168	3557.52	9.72	13	PASS
256QAM	641666	3624.99	10.37	13	PASS
256QAM	646166	3692.49	10.24	13	PASS



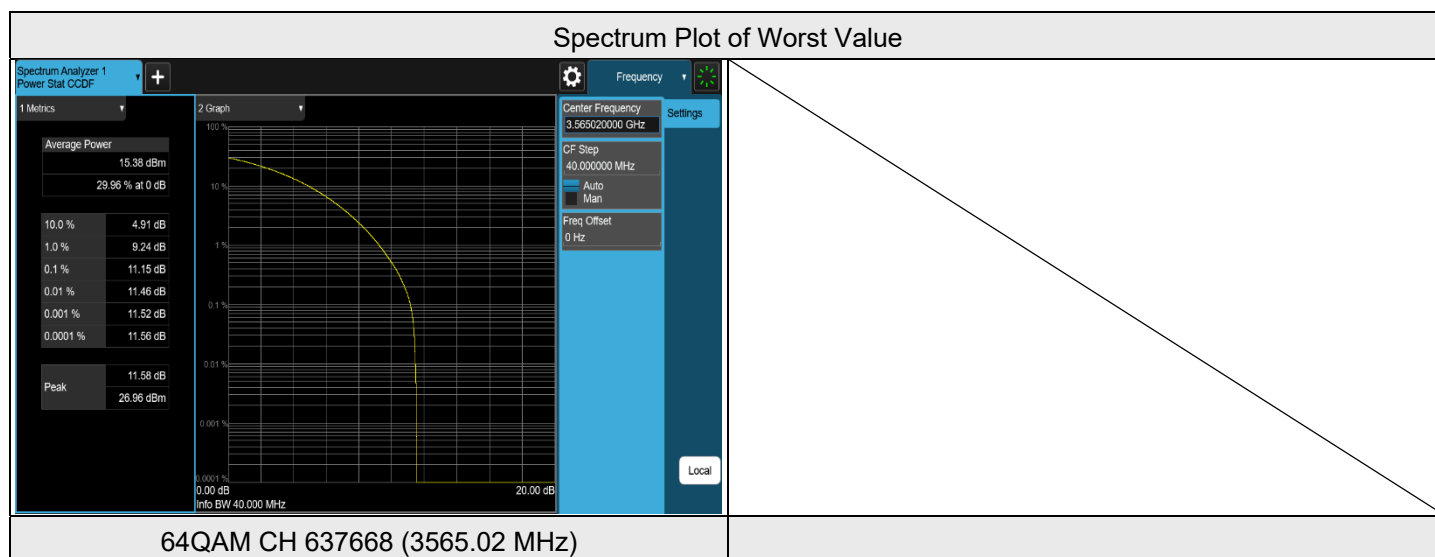
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 20 MHz

NR n48 SCS 30 kHz 20M					
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
BPSK	637334	3560.01	6.33	13	PASS
BPSK	641666	3624.99	5.96	13	PASS
BPSK	646000	3690	6.61	13	PASS
QPSK	637334	3560.01	9.40	13	PASS
QPSK	641666	3624.99	9.19	13	PASS
QPSK	646000	3690	8.57	13	PASS
16QAM	637334	3560.01	9.14	13	PASS
16QAM	641666	3624.99	9.47	13	PASS
16QAM	646000	3690	8.99	13	PASS
64QAM	637334	3560.01	9.95	13	PASS
64QAM	641666	3624.99	9.48	13	PASS
64QAM	646000	3690	9.08	13	PASS
256QAM	637334	3560.01	10.55	13	PASS
256QAM	641666	3624.99	10.62	13	PASS
256QAM	646000	3690	10.32	13	PASS



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 30 MHz

NR n48 SCS 30 kHz 30M					
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
BPSK	637668	3565.02	6.29	13	PASS
BPSK	641666	3624.99	6.35	13	PASS
BPSK	645666	3684.99	6.04	13	PASS
QPSK	637668	3565.02	10.38	13	PASS
QPSK	641666	3624.99	8.98	13	PASS
QPSK	645666	3684.99	9.35	13	PASS
16QAM	637668	3565.02	9.47	13	PASS
16QAM	641666	3624.99	9.35	13	PASS
16QAM	645666	3684.99	9.28	13	PASS
64QAM	637668	3565.02	11.15	13	PASS
64QAM	641666	3624.99	9.13	13	PASS
64QAM	645666	3684.99	9.49	13	PASS
256QAM	637668	3565.02	10.86	13	PASS
256QAM	641666	3624.99	11.08	13	PASS
256QAM	645666	3684.99	10.33	13	PASS



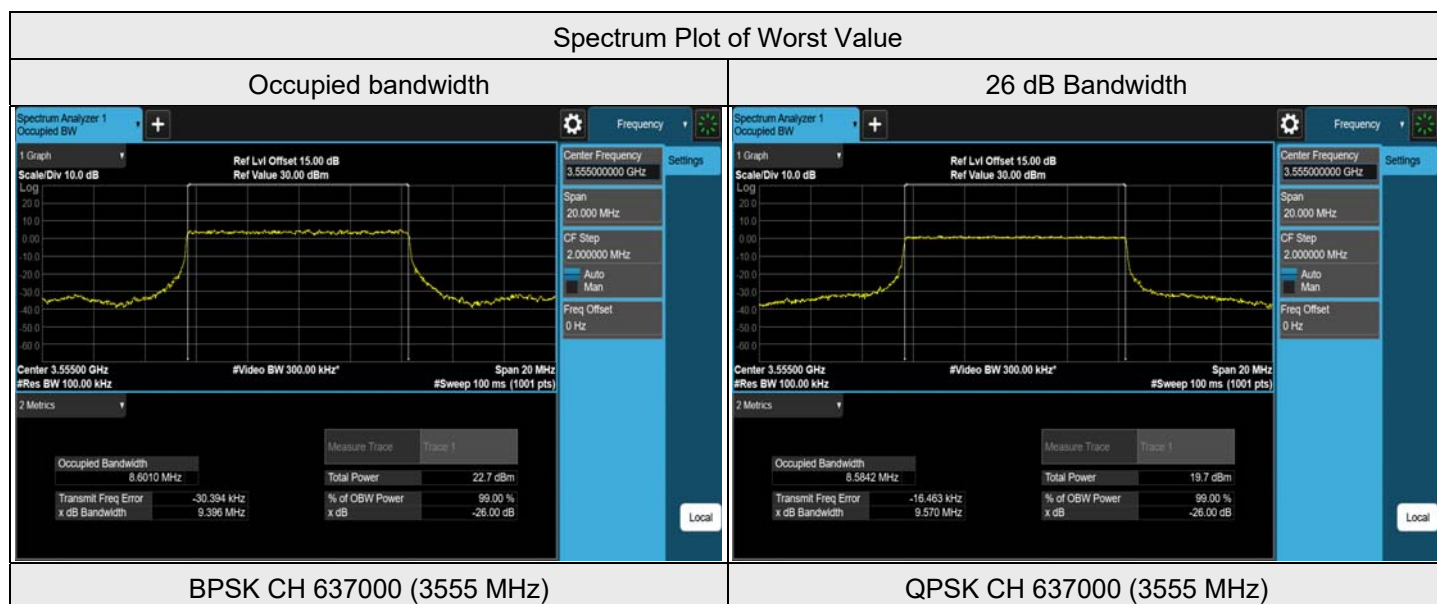
7.4 Bandwidth

Environmental Conditions:	25°C, 66% RH	Tested By:	James Yang
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7.4.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 10 MHz

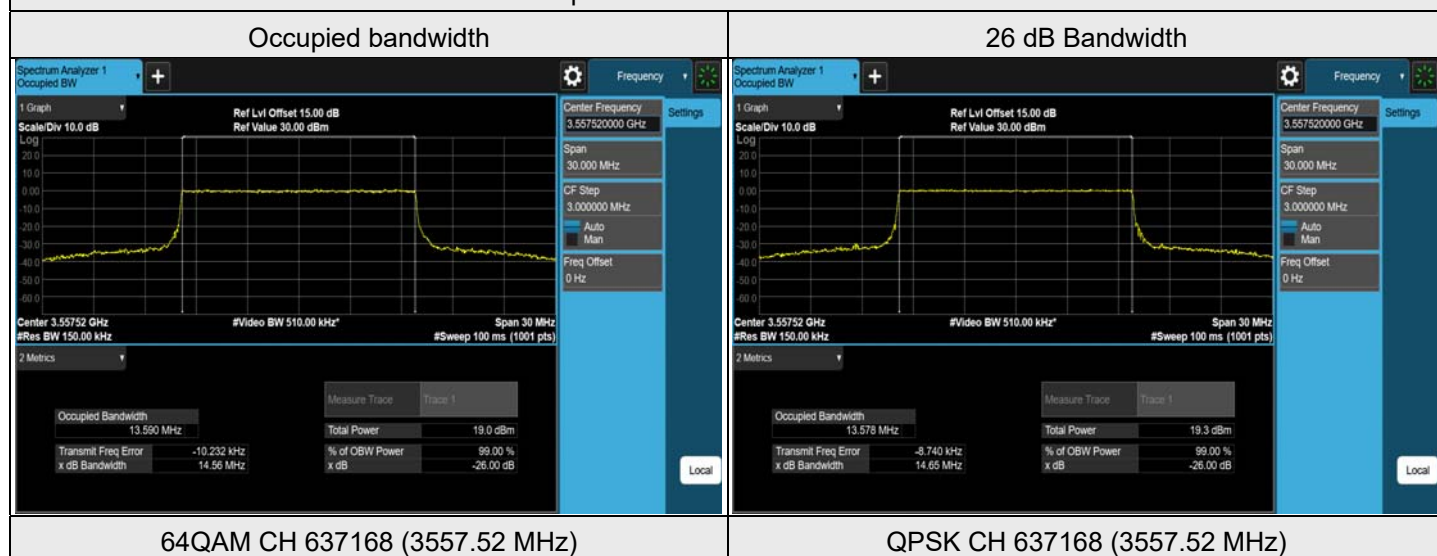
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637000	3555	8.6010	9.396
BPSK	641666	3624.99	8.5883	9.369
BPSK	646332	3694.98	8.5813	9.321
QPSK	637000	3555	8.5842	9.570
QPSK	641666	3624.99	8.5772	9.528
QPSK	646332	3694.98	8.5736	9.490
16QAM	637000	3555	8.5746	9.489
16QAM	641666	3624.99	8.5780	9.564
16QAM	646332	3694.98	8.5726	9.364
64QAM	637000	3555	8.5760	9.429
64QAM	641666	3624.99	8.5770	9.377
64QAM	646332	3694.98	8.5736	9.383
256QAM	637000	3555	8.5948	9.412
256QAM	641666	3624.99	8.5881	9.431
256QAM	646332	3694.98	8.5840	9.292



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637168	3557.52	12.8688	13.801
BPSK	641666	3624.99	12.8753	13.638
BPSK	646166	3692.49	12.8692	13.754
QPSK	637168	3557.52	13.5784	14.647
QPSK	641666	3624.99	13.5841	14.571
QPSK	646166	3692.49	13.5866	14.515
16QAM	637168	3557.52	13.5668	14.642
16QAM	641666	3624.99	13.5708	14.564
16QAM	646166	3692.49	13.5655	14.448
64QAM	637168	3557.52	13.5899	14.565
64QAM	641666	3624.99	13.5893	14.576
64QAM	646166	3692.49	13.5788	14.537
256QAM	637168	3557.52	13.5597	14.468
256QAM	641666	3624.99	13.5595	14.462
256QAM	646166	3692.49	13.5581	14.304

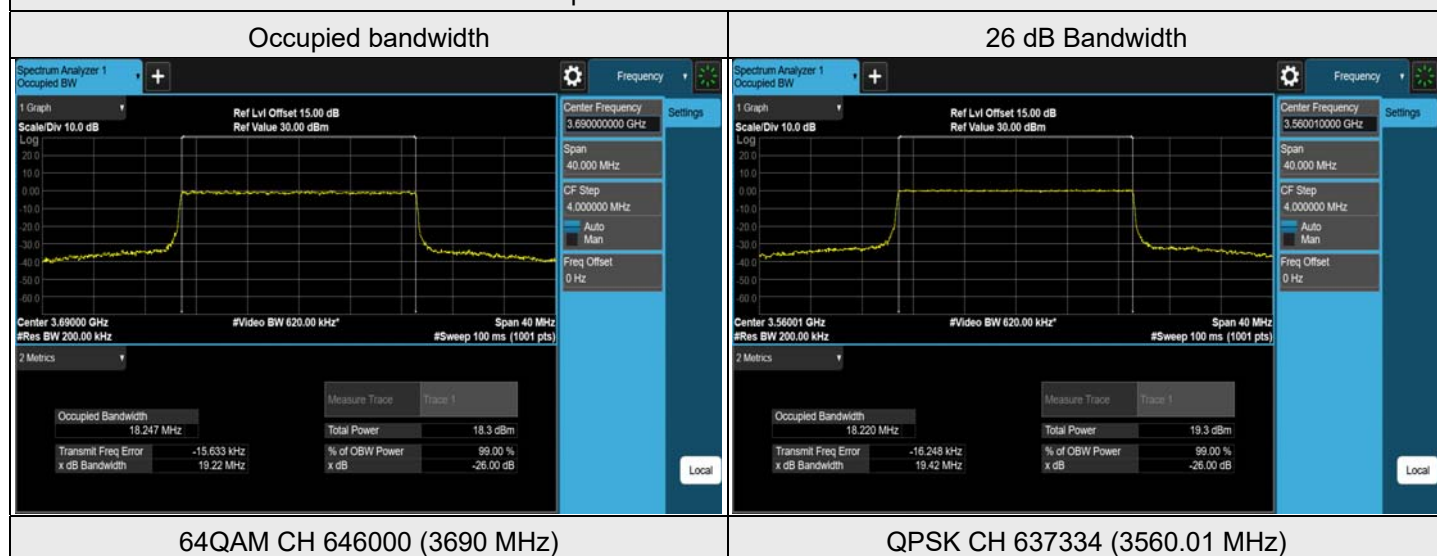
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637334	3560.01	17.8705	18.658
BPSK	641666	3624.99	17.8615	18.748
BPSK	646000	3690	17.8637	18.743
QPSK	637334	3560.01	18.2196	19.422
QPSK	641666	3624.99	18.2126	19.073
QPSK	646000	3690	18.2126	19.155
16QAM	637334	3560.01	18.2339	19.200
16QAM	641666	3624.99	18.2325	19.037
16QAM	646000	3690	18.2208	19.264
64QAM	637334	3560.01	18.2357	19.299
64QAM	641666	3624.99	18.2378	19.230
64QAM	646000	3690	18.2466	19.222
256QAM	637334	3560.01	18.2281	19.202
256QAM	641666	3624.99	18.2302	19.056
256QAM	646000	3690	18.2286	19.188

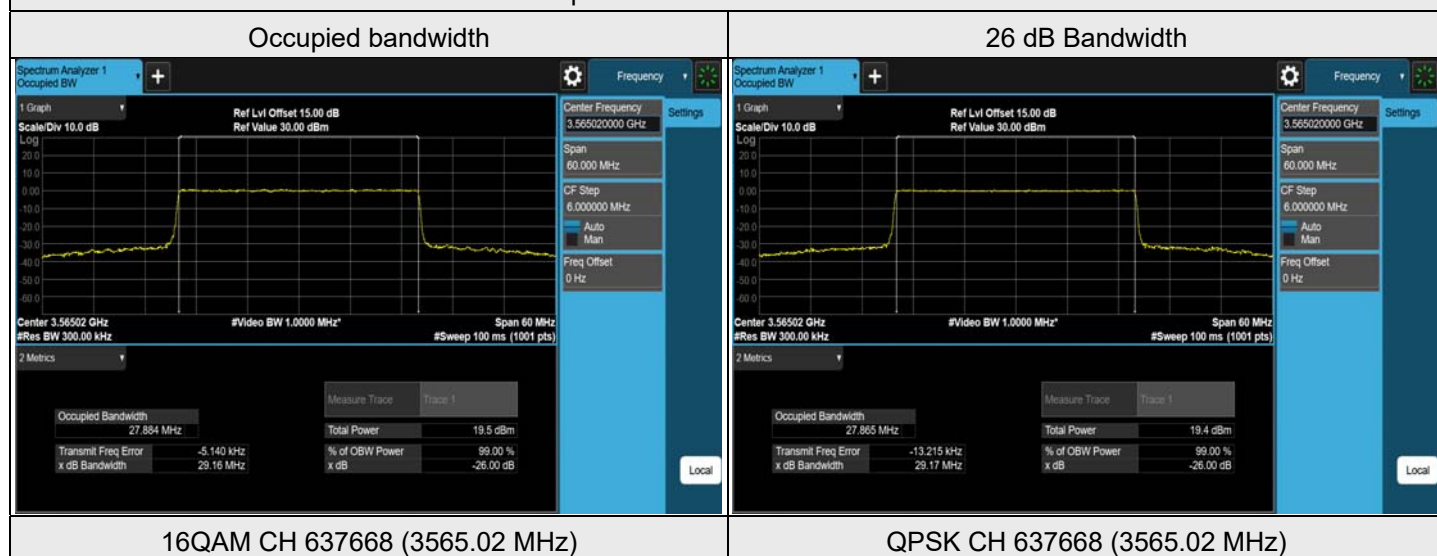
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637668	3565.02	26.7893	27.966
BPSK	641666	3624.99	26.7942	27.837
BPSK	645666	3684.99	26.7708	27.875
QPSK	637668	3565.02	27.8646	29.168
QPSK	641666	3624.99	27.8560	29.053
QPSK	645666	3684.99	27.8542	29.144
16QAM	637668	3565.02	27.8839	29.160
16QAM	641666	3624.99	27.8611	29.058
16QAM	645666	3684.99	27.8735	28.965
64QAM	637668	3565.02	27.8599	29.091
64QAM	641666	3624.99	27.8611	29.019
64QAM	645666	3684.99	27.8598	28.939
256QAM	637668	3565.02	27.8588	28.918
256QAM	641666	3624.99	27.8542	29.023
256QAM	645666	3684.99	27.8494	28.987

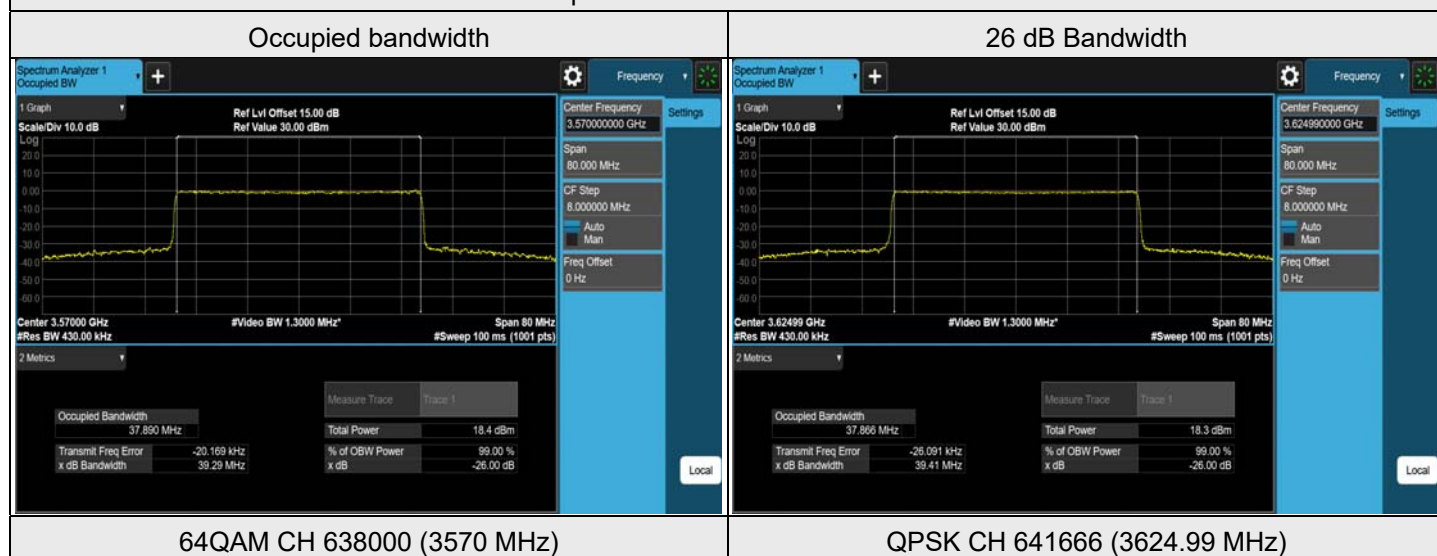
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	638000	3570	35.7184	37.199
BPSK	641666	3624.99	35.7743	37.143
BPSK	645332	3679.98	35.7445	37.151
QPSK	638000	3570	37.8759	39.377
QPSK	641666	3624.99	37.8656	39.414
QPSK	645332	3679.98	37.8673	39.389
16QAM	638000	3570	37.8786	39.278
16QAM	641666	3624.99	37.8674	39.305
16QAM	645332	3679.98	37.8714	39.268
64QAM	638000	3570	37.8899	39.293
64QAM	641666	3624.99	37.8717	39.330
64QAM	645332	3679.98	37.8851	39.262
256QAM	638000	3570	37.8604	39.244
256QAM	641666	3624.99	37.8569	39.244
256QAM	645332	3679.98	37.8704	39.283

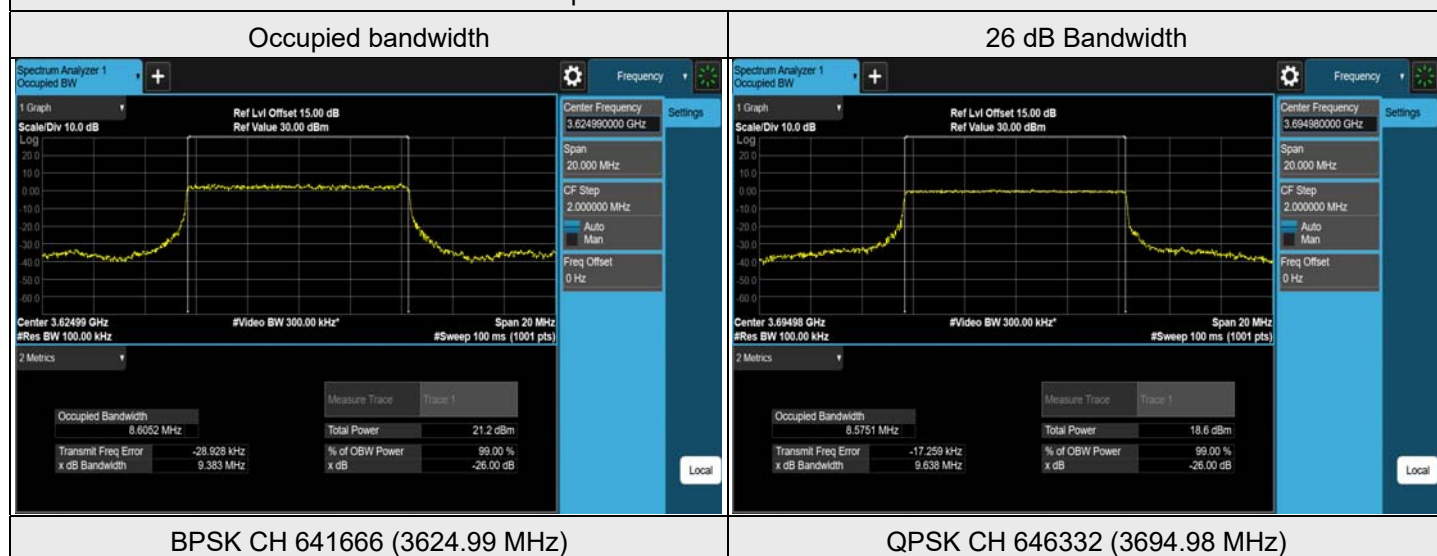
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637000	3555	8.6032	9.426
BPSK	641666	3624.99	8.6052	9.383
BPSK	646332	3694.98	8.5826	9.361
QPSK	637000	3555	8.5847	9.500
QPSK	641666	3624.99	8.5739	9.559
QPSK	646332	3694.98	8.5751	9.638
16QAM	637000	3555	8.5727	9.577
16QAM	641666	3624.99	8.5731	9.478
16QAM	646332	3694.98	8.5658	9.256
64QAM	637000	3555	8.5779	9.466
64QAM	641666	3624.99	8.5750	9.537
64QAM	646332	3694.98	8.5815	9.443
256QAM	637000	3555	8.5927	9.369
256QAM	641666	3624.99	8.5856	9.396
256QAM	646332	3694.98	8.5866	9.307

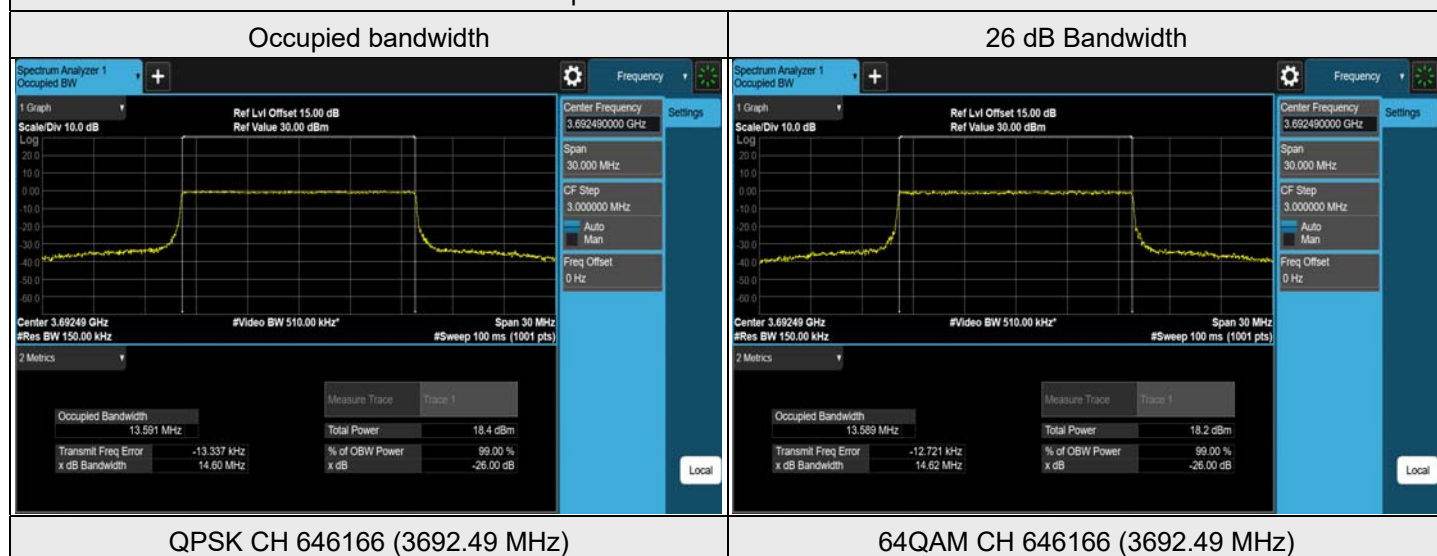
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637168	3557.52	12.8887	13.811
BPSK	641666	3624.99	12.8744	13.670
BPSK	646166	3692.49	12.8728	13.779
QPSK	637168	3557.52	13.5786	14.606
QPSK	641666	3624.99	13.5829	14.556
QPSK	646166	3692.49	13.5907	14.597
16QAM	637168	3557.52	13.5632	14.538
16QAM	641666	3624.99	13.5545	14.415
16QAM	646166	3692.49	13.5603	14.512
64QAM	637168	3557.52	13.5757	14.511
64QAM	641666	3624.99	13.5825	14.550
64QAM	646166	3692.49	13.5894	14.616
256QAM	637168	3557.52	13.5667	14.521
256QAM	641666	3624.99	13.5526	14.403
256QAM	646166	3692.49	13.5476	14.405

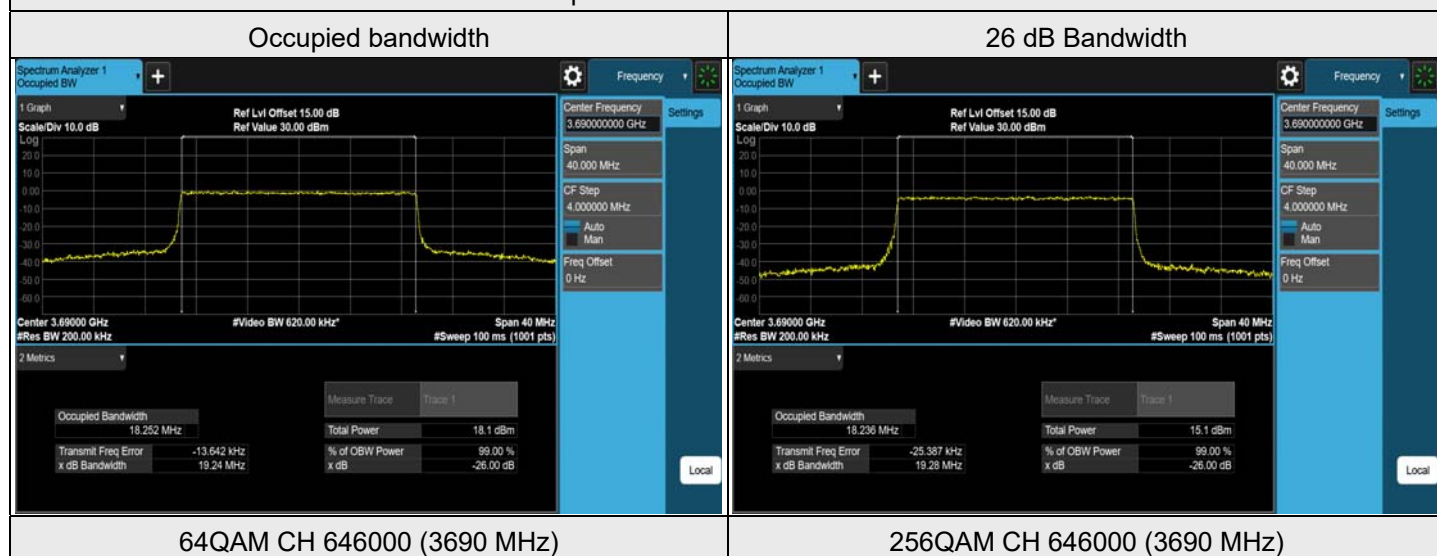
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637334	3560.01	17.8695	18.690
BPSK	641666	3624.99	17.8885	18.713
BPSK	646000	3690	17.8730	18.834
QPSK	637334	3560.01	18.2201	19.273
QPSK	641666	3624.99	18.2158	19.168
QPSK	646000	3690	18.2199	19.145
16QAM	637334	3560.01	18.2322	19.138
16QAM	641666	3624.99	18.2303	19.125
16QAM	646000	3690	18.2146	19.243
64QAM	637334	3560.01	18.2420	19.213
64QAM	641666	3624.99	18.2384	19.213
64QAM	646000	3690	18.2520	19.241
256QAM	637334	3560.01	18.2377	19.205
256QAM	641666	3624.99	18.2319	19.018
256QAM	646000	3690	18.2359	19.275

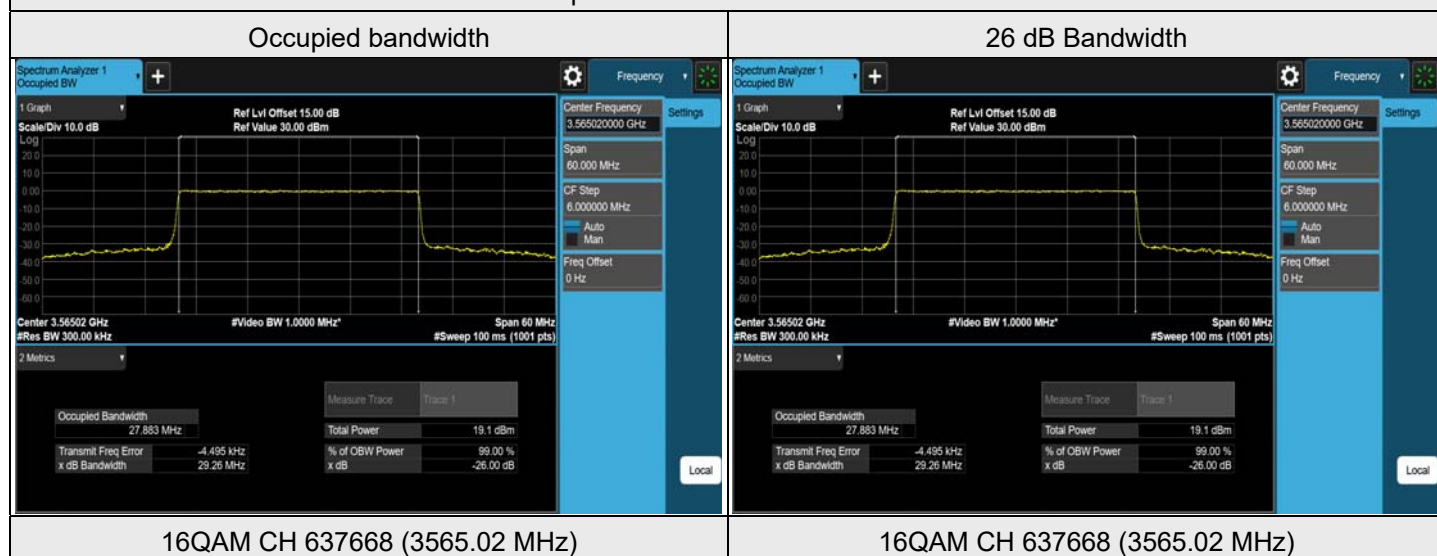
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637668	3565.02	26.8193	27.959
BPSK	641666	3624.99	26.7943	28.003
BPSK	645666	3684.99	26.7782	27.918
QPSK	637668	3565.02	27.8553	29.132
QPSK	641666	3624.99	27.8602	29.089
QPSK	645666	3684.99	27.8608	29.036
16QAM	637668	3565.02	27.8834	29.255
16QAM	641666	3624.99	27.8610	29.117
16QAM	645666	3684.99	27.8783	29.094
64QAM	637668	3565.02	27.8619	29.104
64QAM	641666	3624.99	27.8515	28.968
64QAM	645666	3684.99	27.8591	28.968
256QAM	637668	3565.02	27.8432	28.932
256QAM	641666	3624.99	27.8467	28.997
256QAM	645666	3684.99	27.8498	28.987

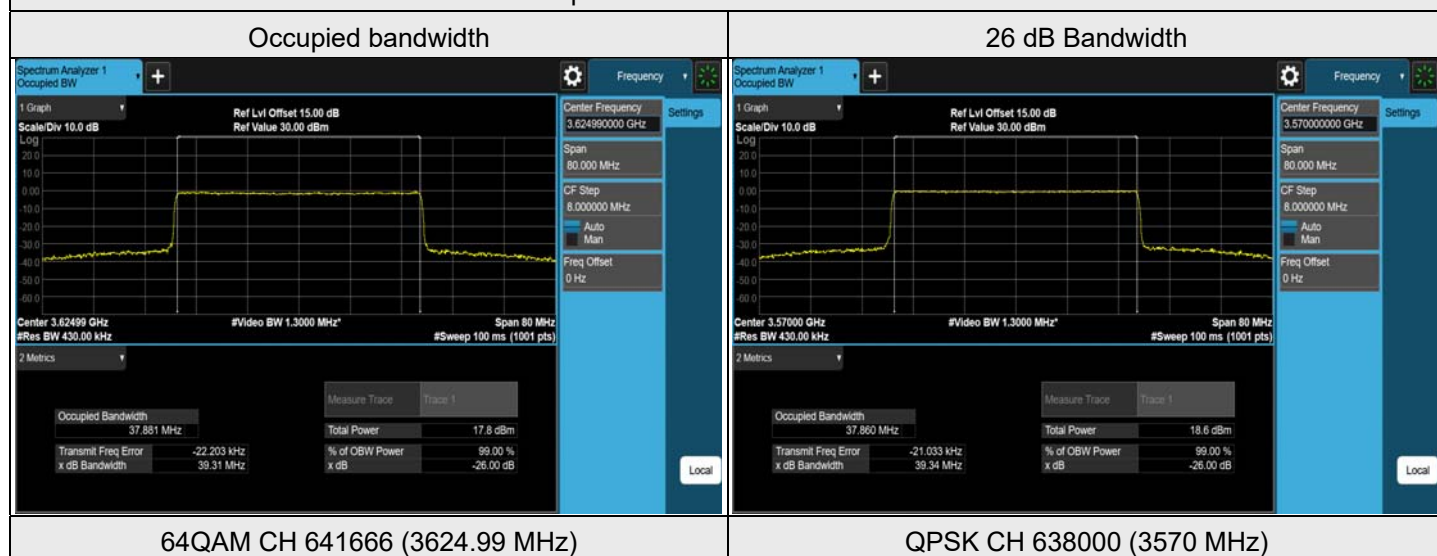
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	638000	3570	35.7760	37.144
BPSK	641666	3624.99	35.7702	37.179
BPSK	645332	3679.98	35.7789	37.168
QPSK	638000	3570	37.8597	39.344
QPSK	641666	3624.99	37.8571	39.341
QPSK	645332	3679.98	37.8522	39.324
16QAM	638000	3570	37.8730	39.271
16QAM	641666	3624.99	37.8718	39.318
16QAM	645332	3679.98	37.8706	39.289
64QAM	638000	3570	37.8605	39.240
64QAM	641666	3624.99	37.8813	39.314
64QAM	645332	3679.98	37.8290	39.281
256QAM	638000	3570	37.8600	39.261
256QAM	641666	3624.99	37.8607	39.262
256QAM	645332	3679.98	37.8592	39.273

Spectrum Plot of Worst Value

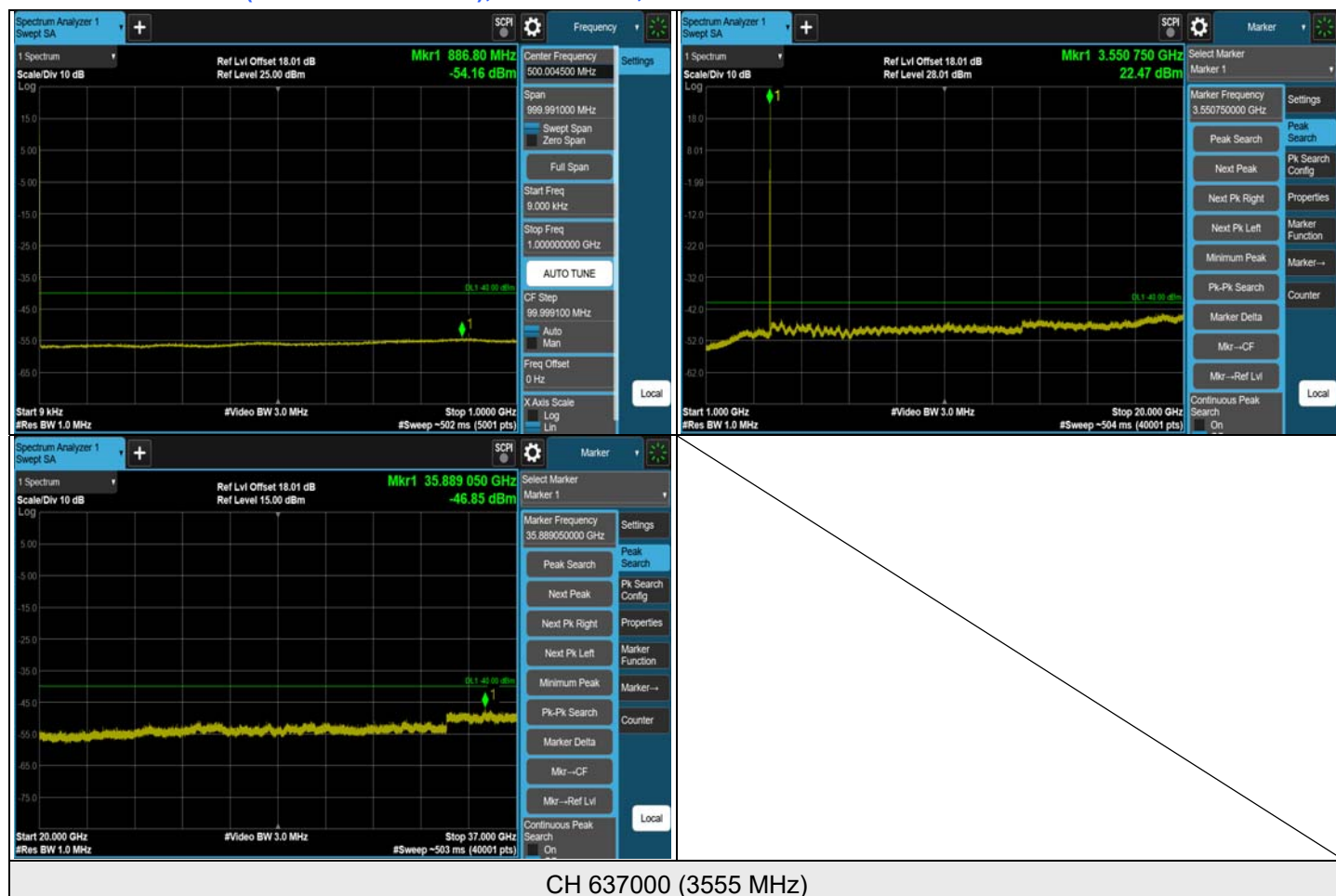


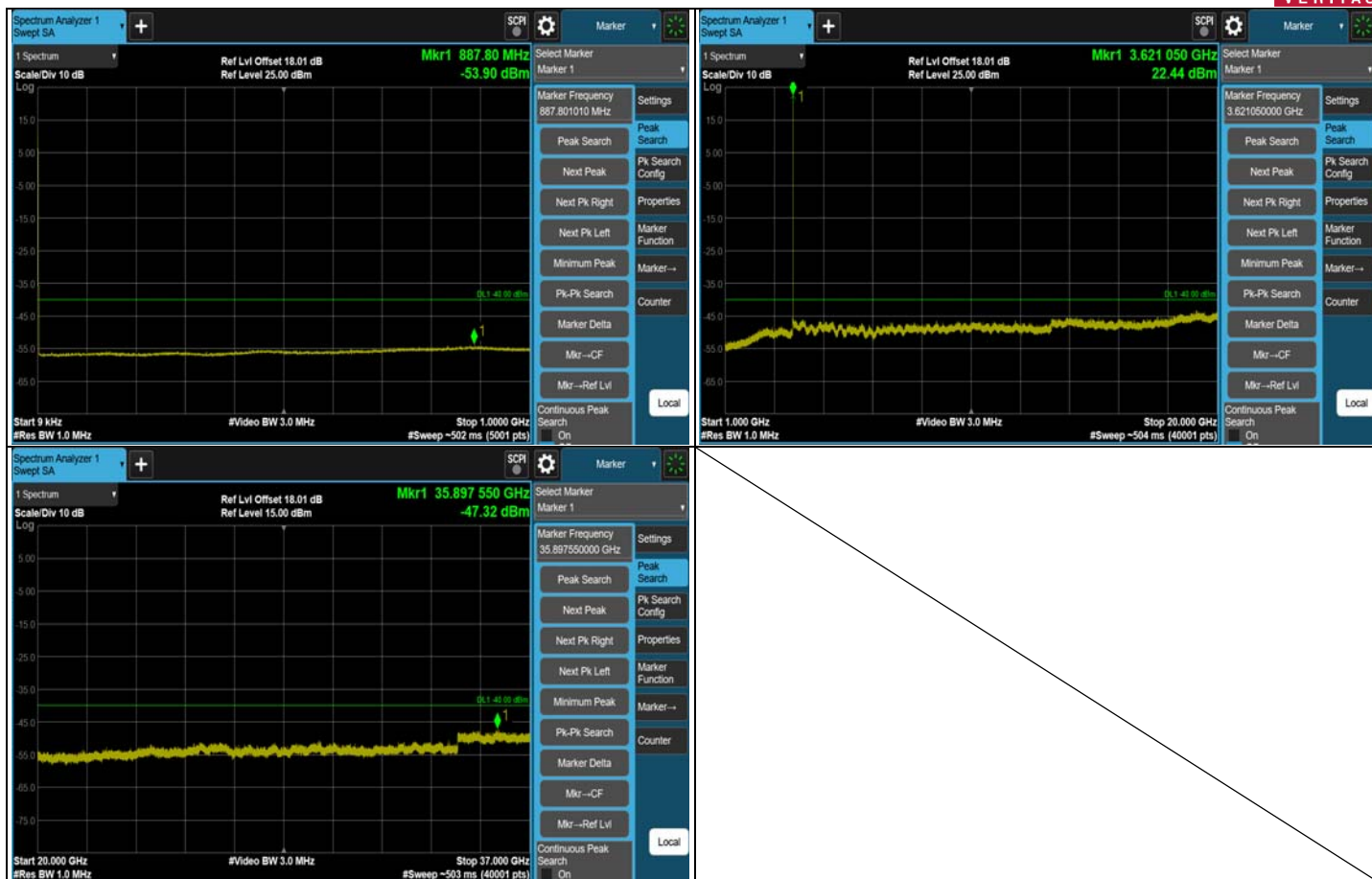
7.5 Conducted Spurious Emissions

Environmental Conditions:	25°C, 69% RH	Tested By:	Duke Wu
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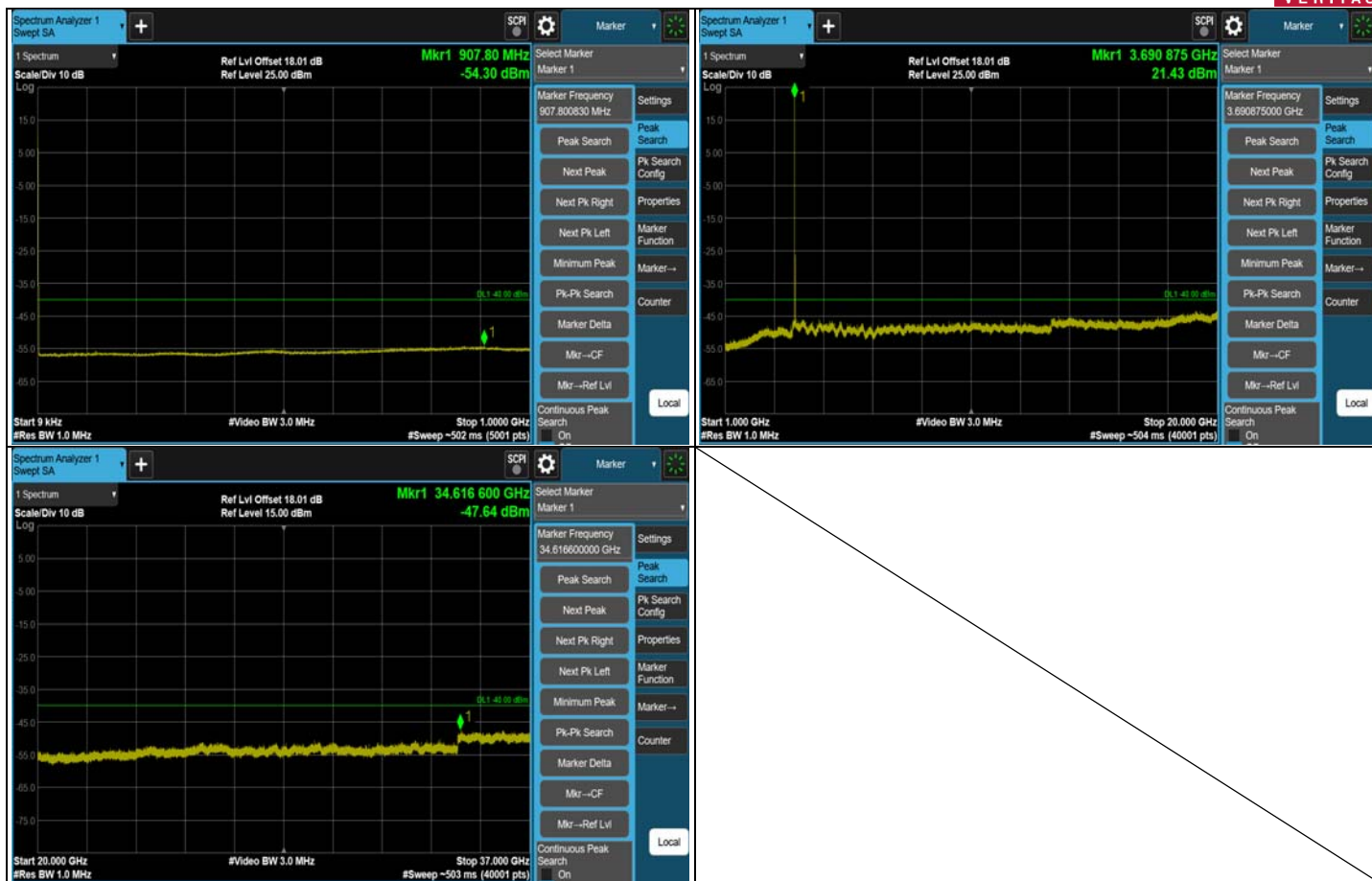
7.5.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 10 MHz





CH 641666 (3624.99 MHz)



CH 646332 (3694.98 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 10 MHz

CH 637000 (3555 MHz)

1 RB



FULL RB



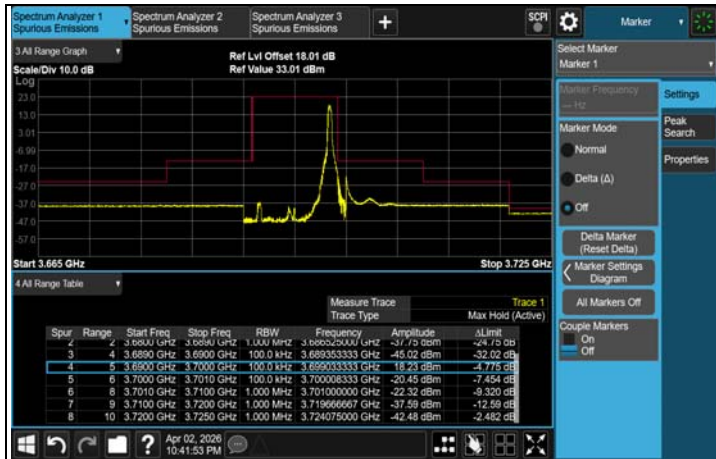
CH 646332 (3694.98 MHz)

1 RB

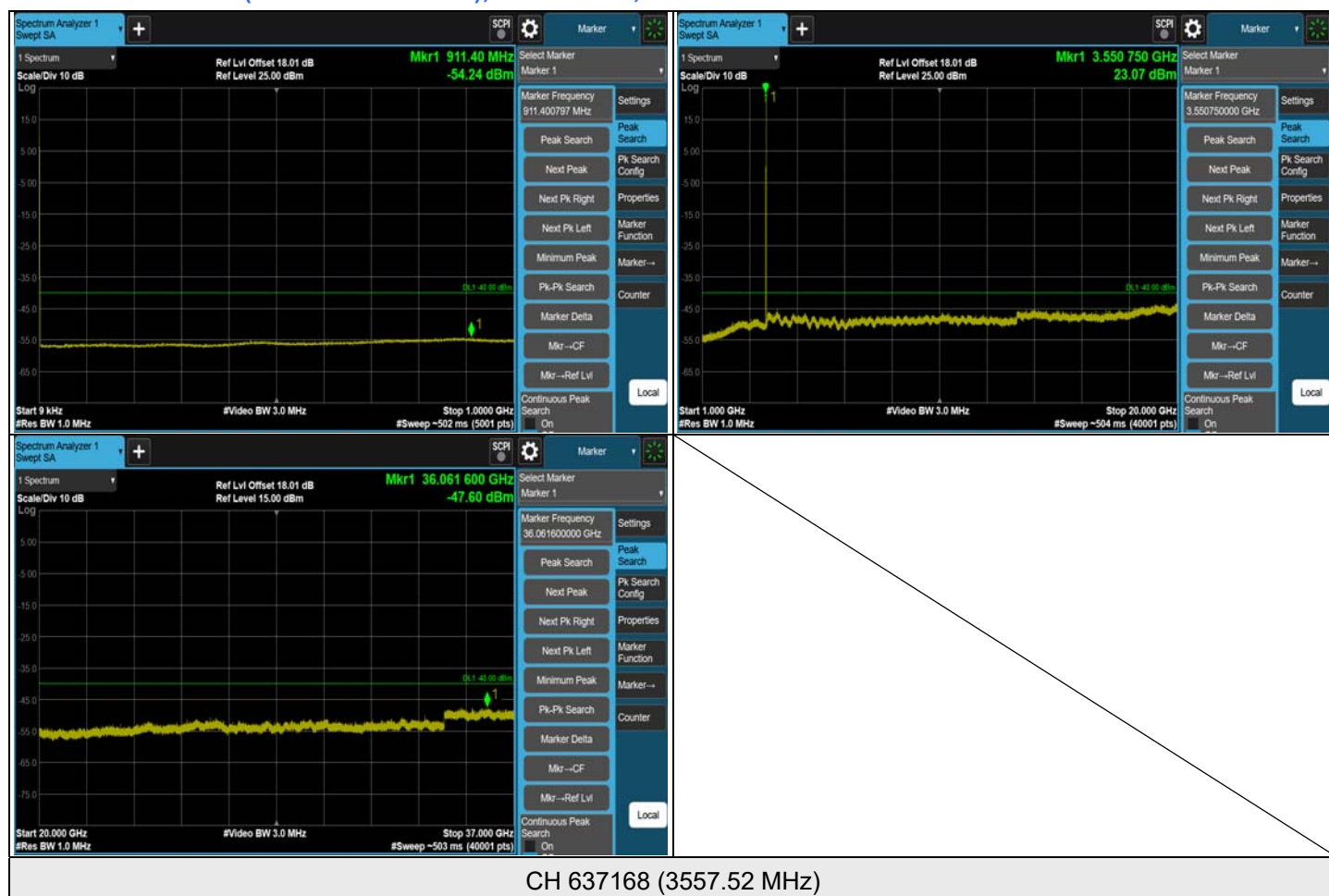


FULL RB

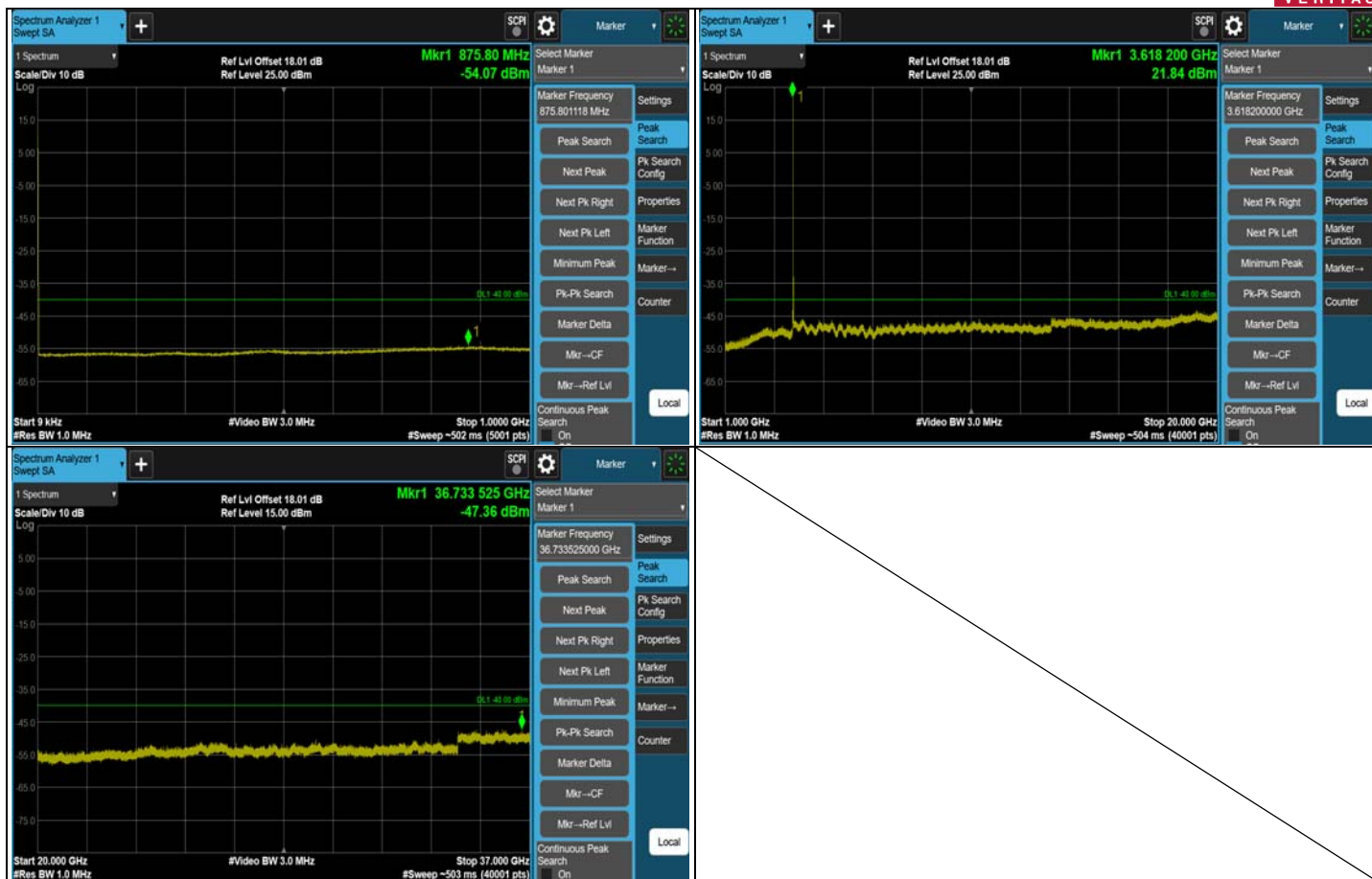




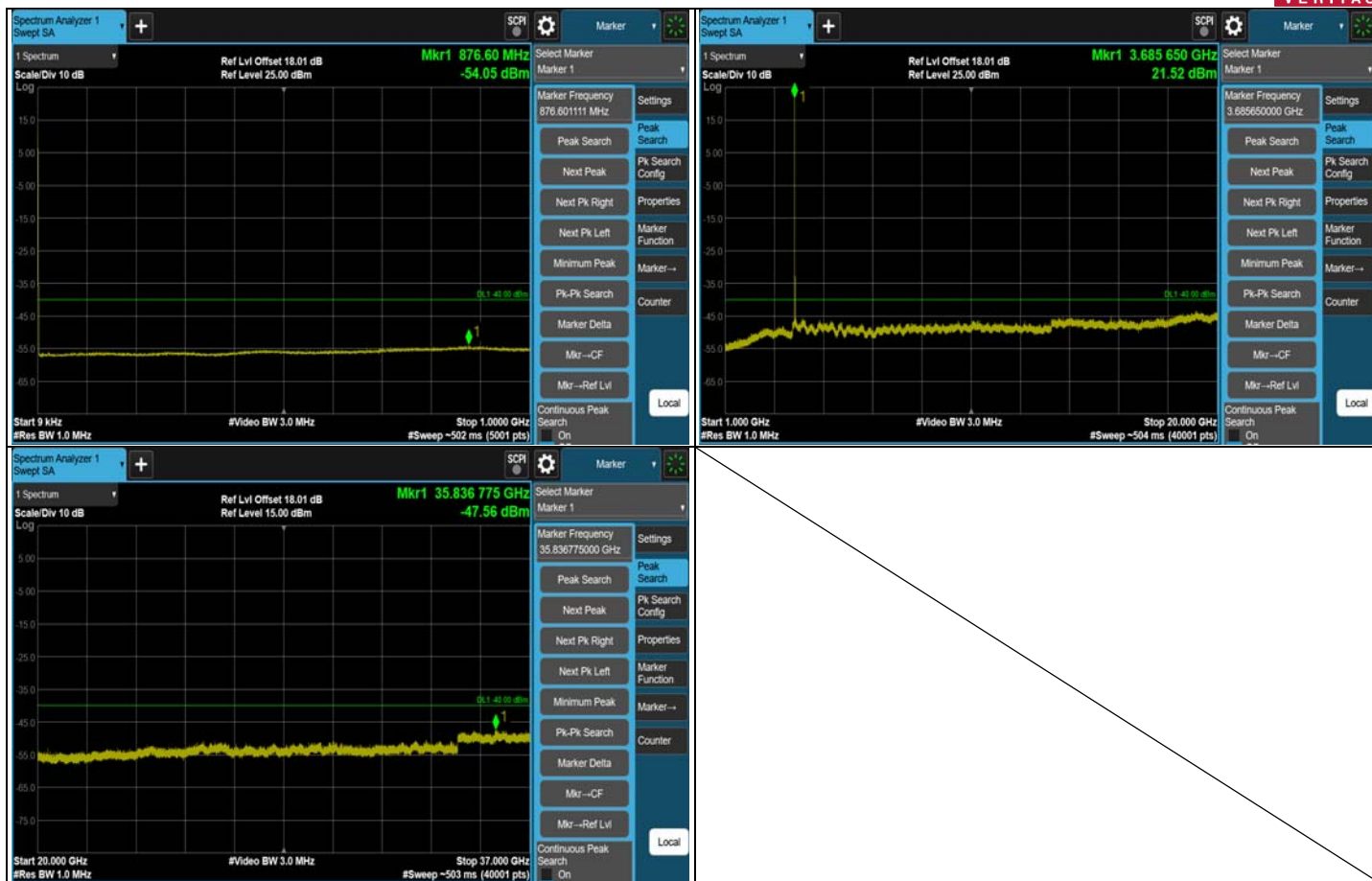
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 15 MHz



CH 637168 (3557.52 MHz)



CH 641666 (3624.99 MHz)



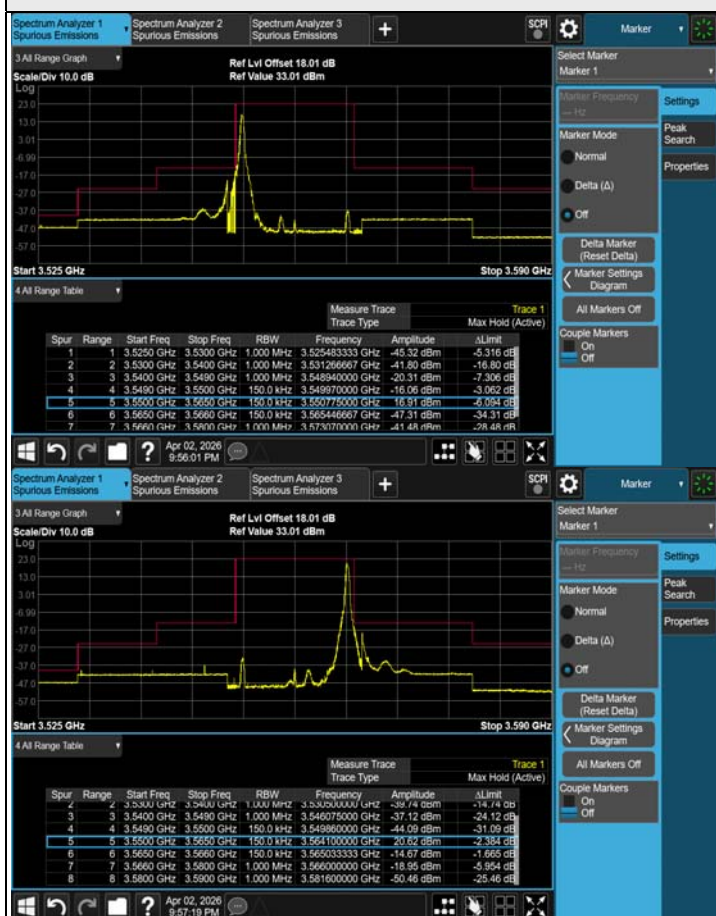
CH 646166 (3692.49 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 15 MHz

CH 637168 (3557.52 MHz)

1 RB

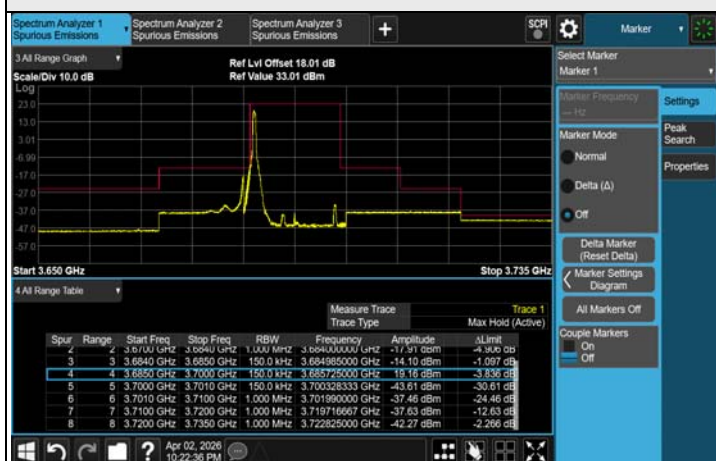


FULL RB



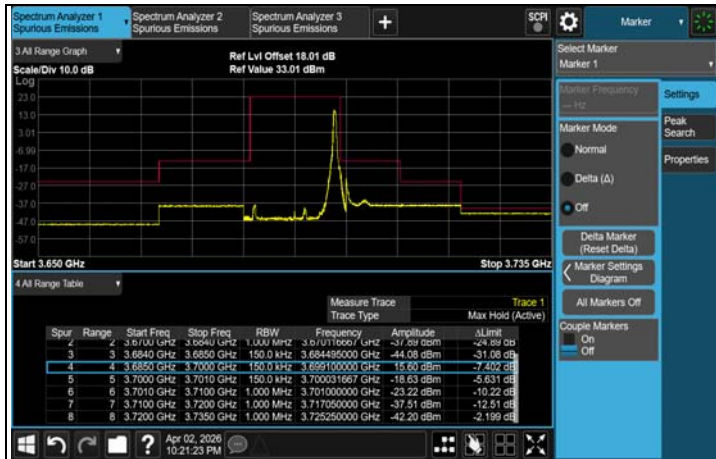
CH 646166 (3692.49 MHz)

1 RB

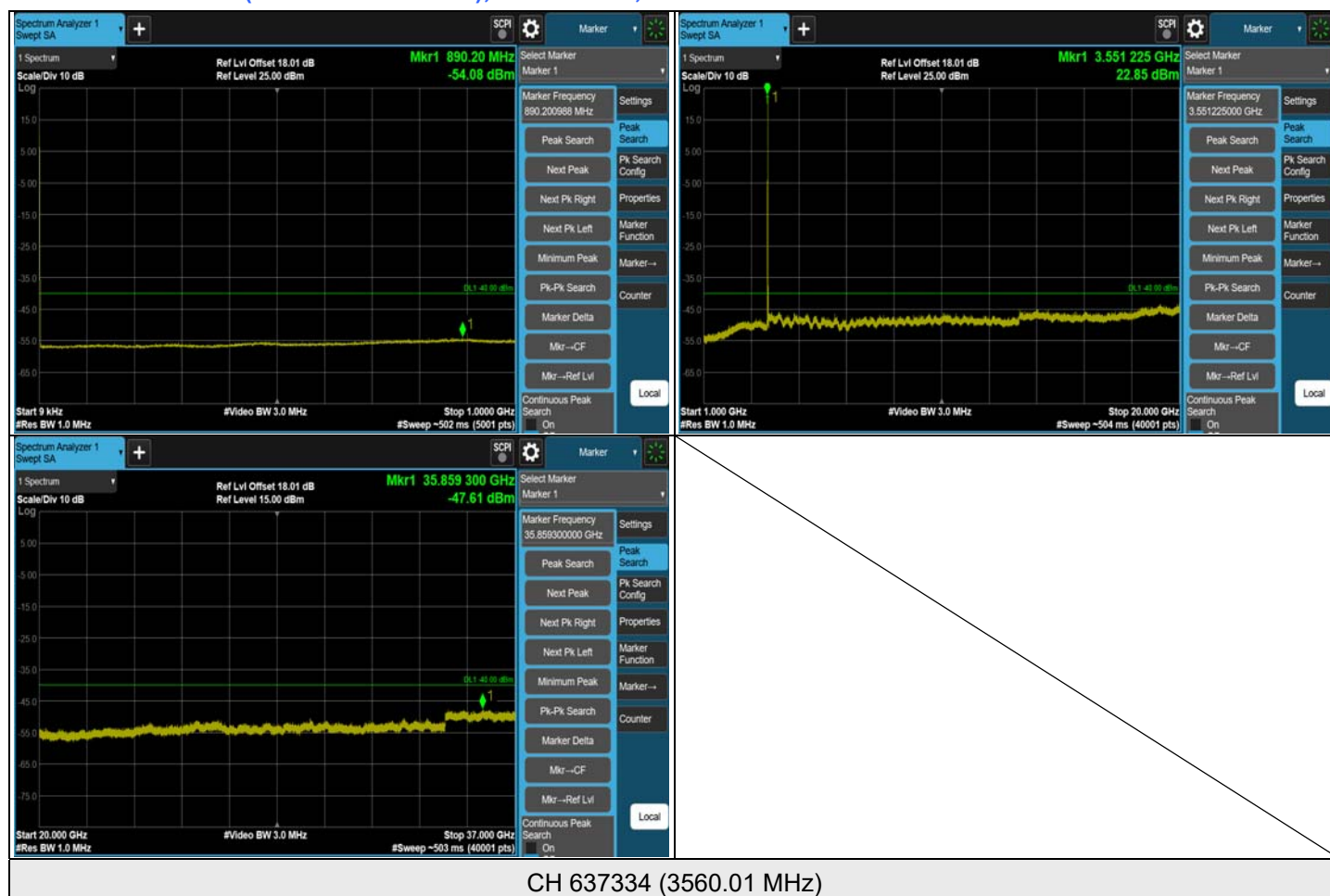


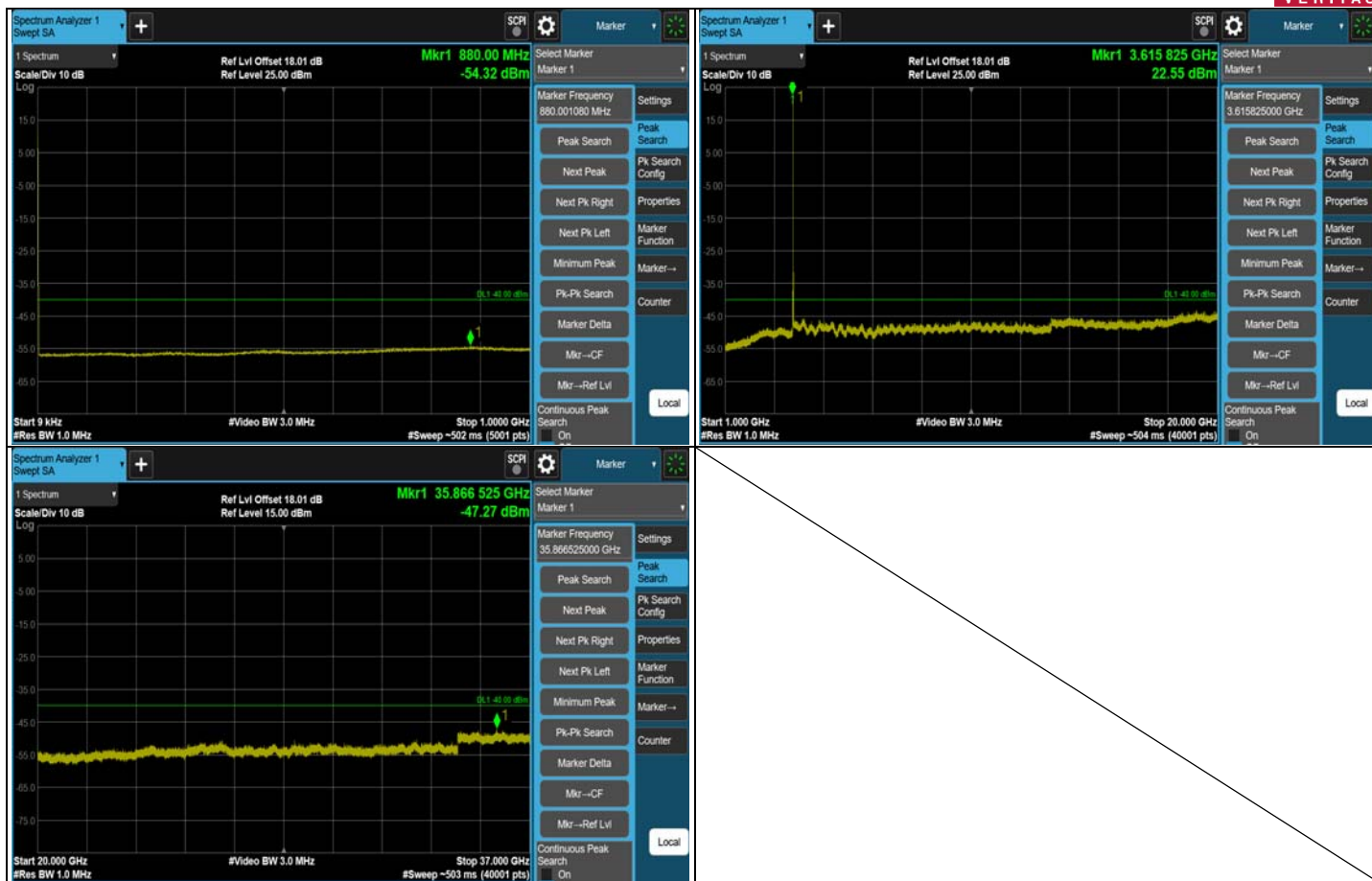
FULL RB



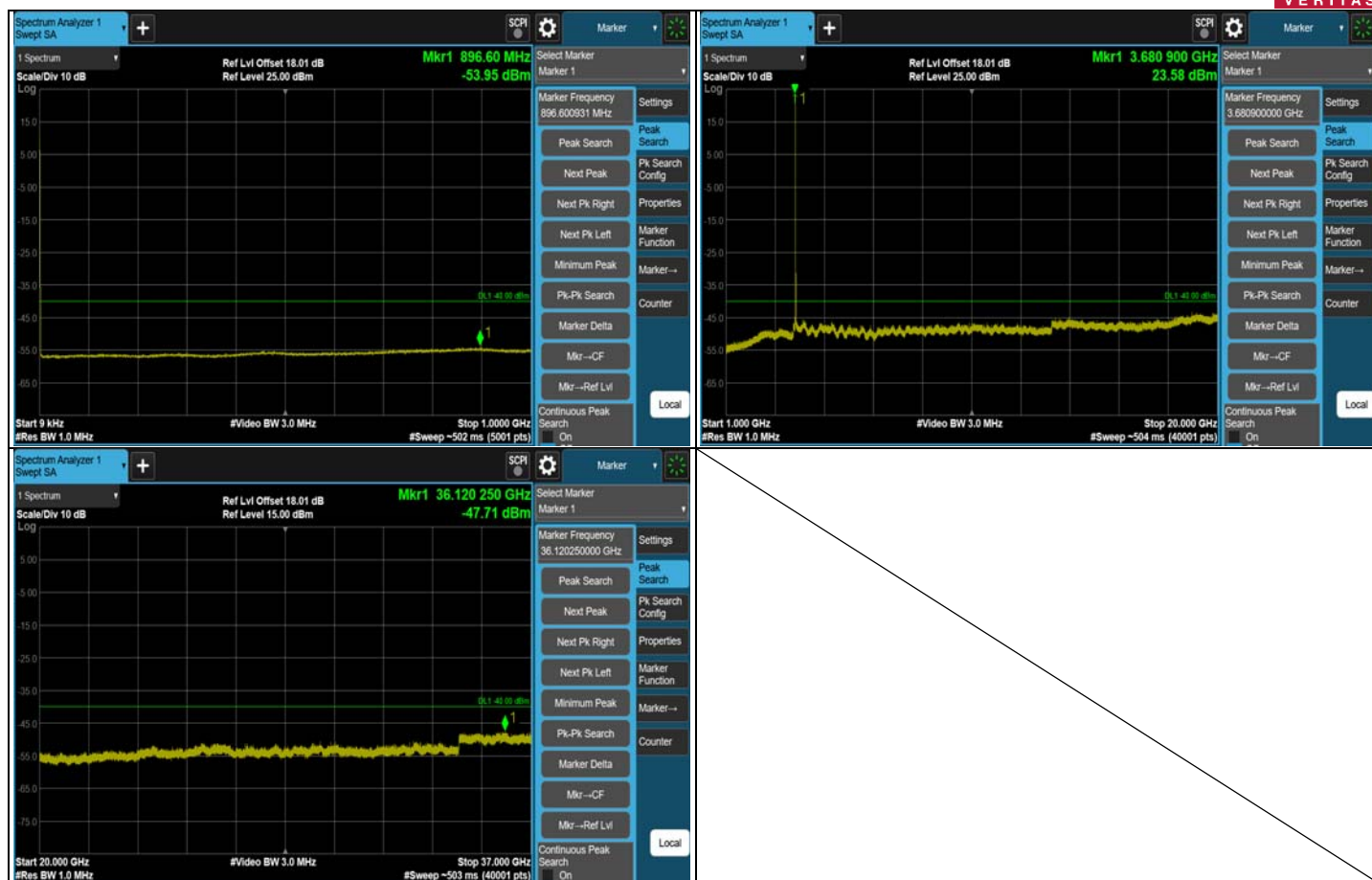


NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 20 MHz





CH 641666 (3624.99 MHz)



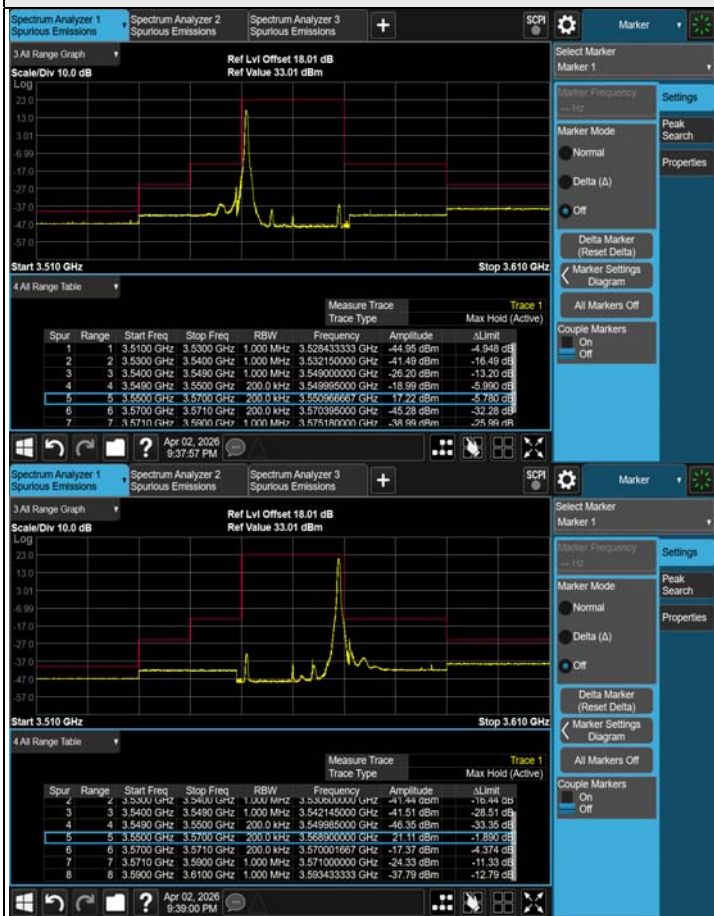
CH 646000 (3690 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

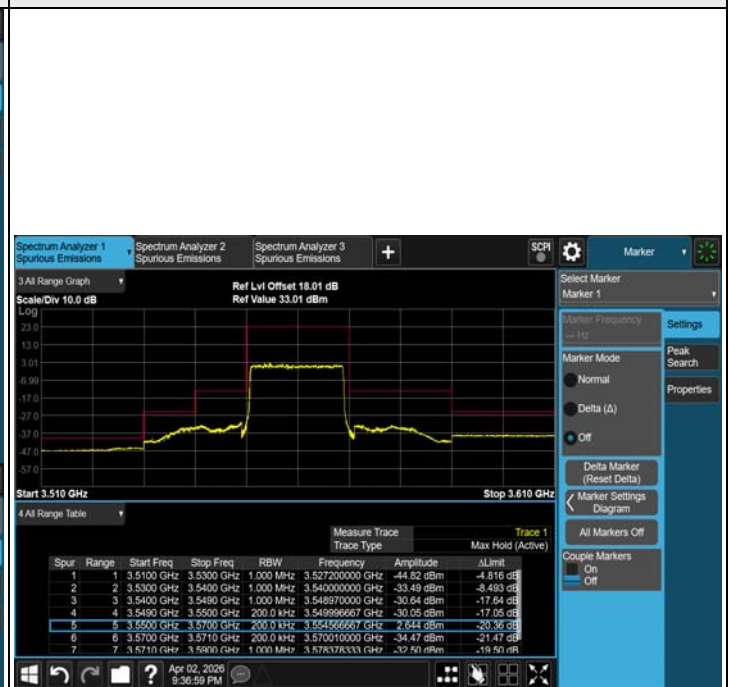
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 20 MHz

CH 637334 (3560.01 MHz)

1 RB

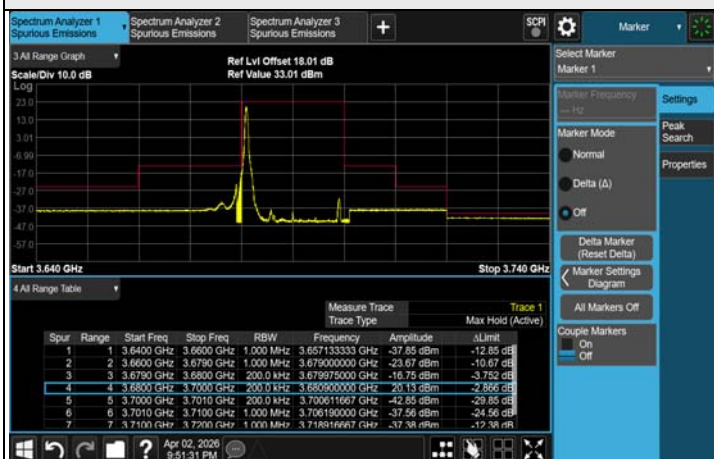


FULL RB



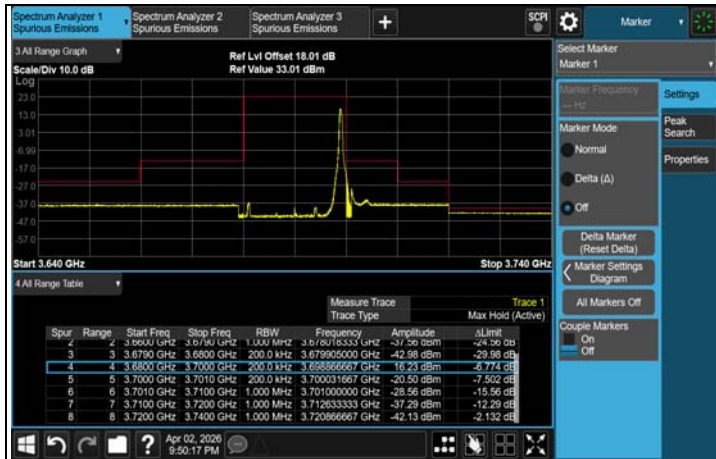
CH 646000 (3690 MHz)

1 RB

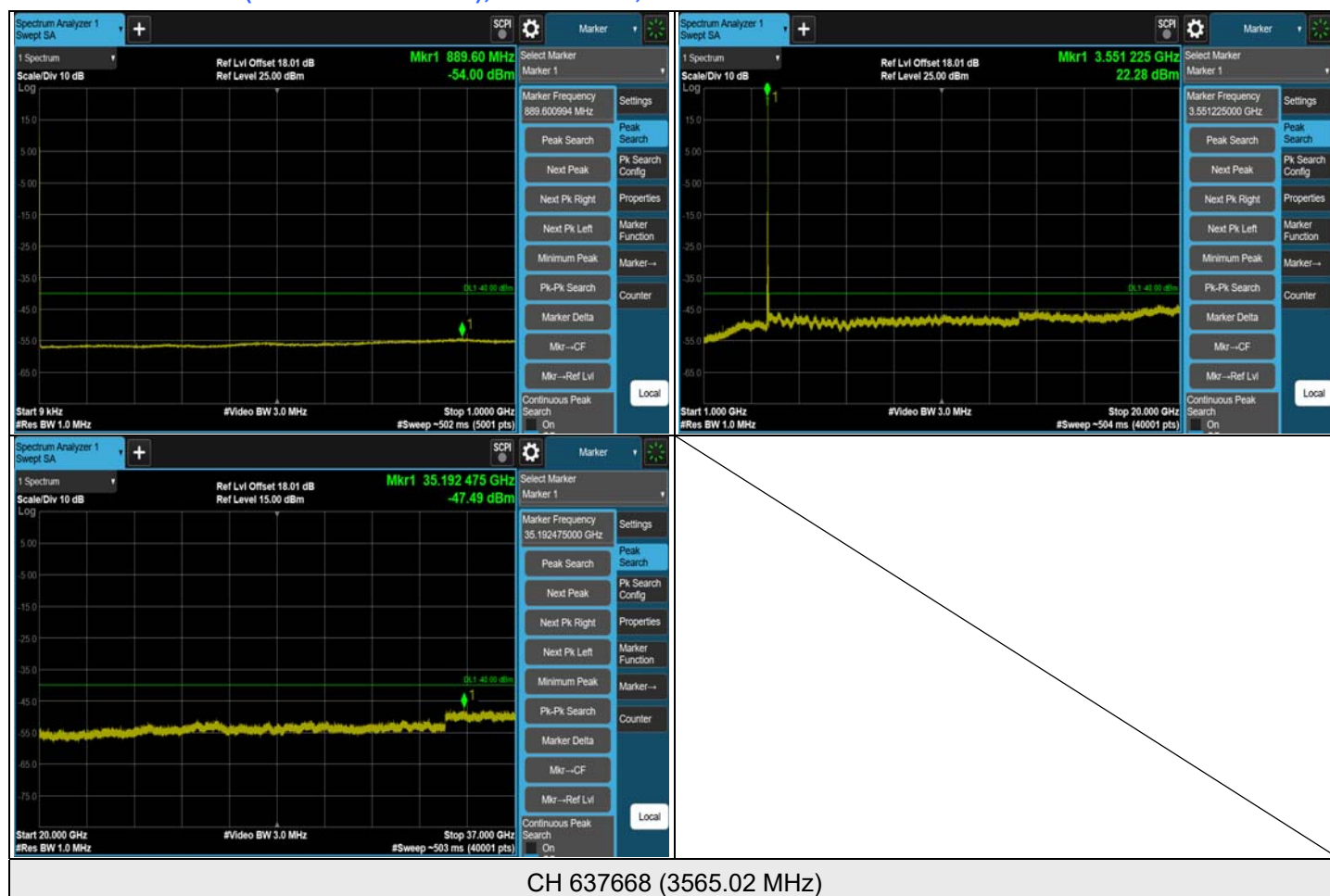


FULL RB

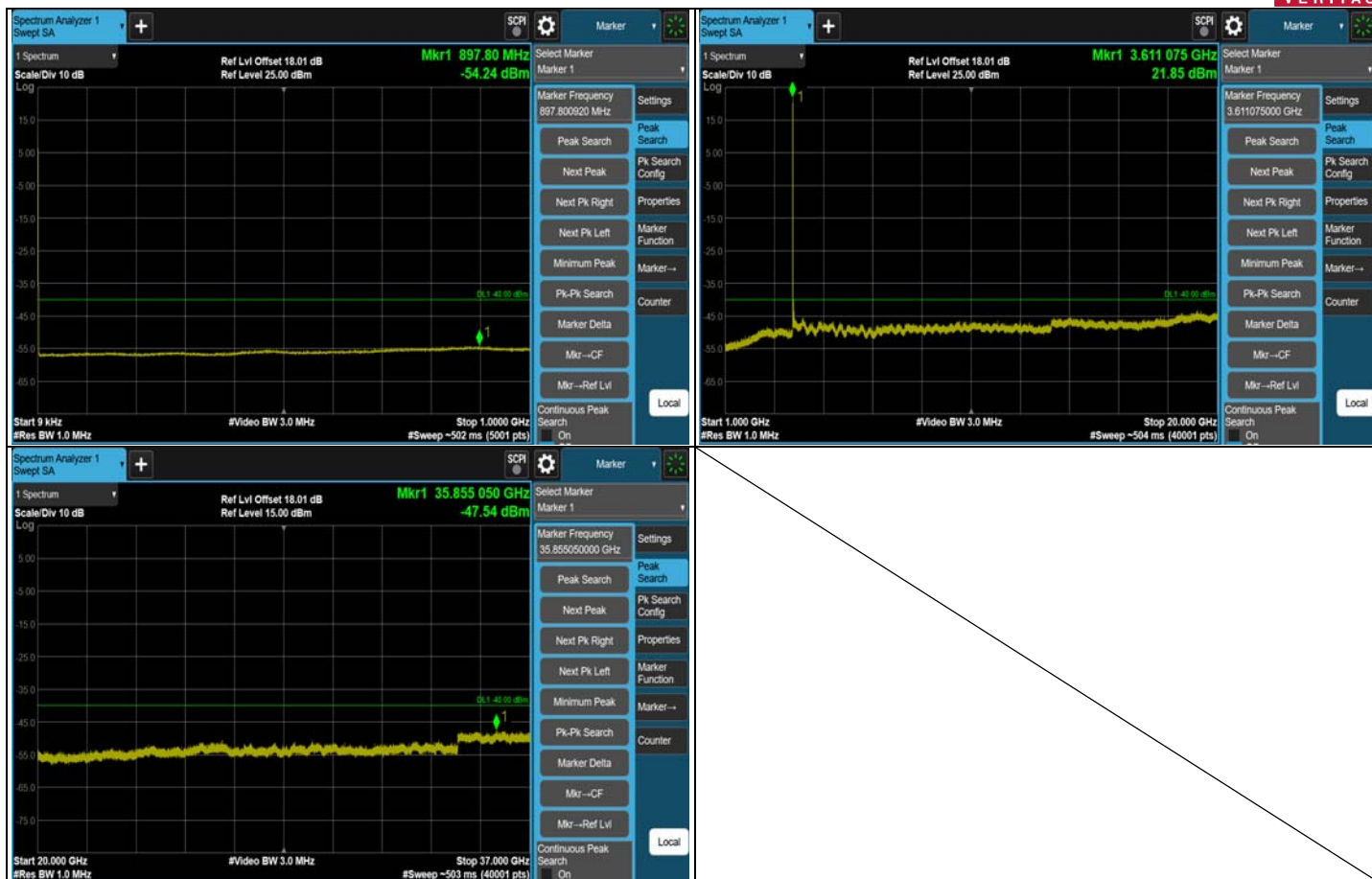




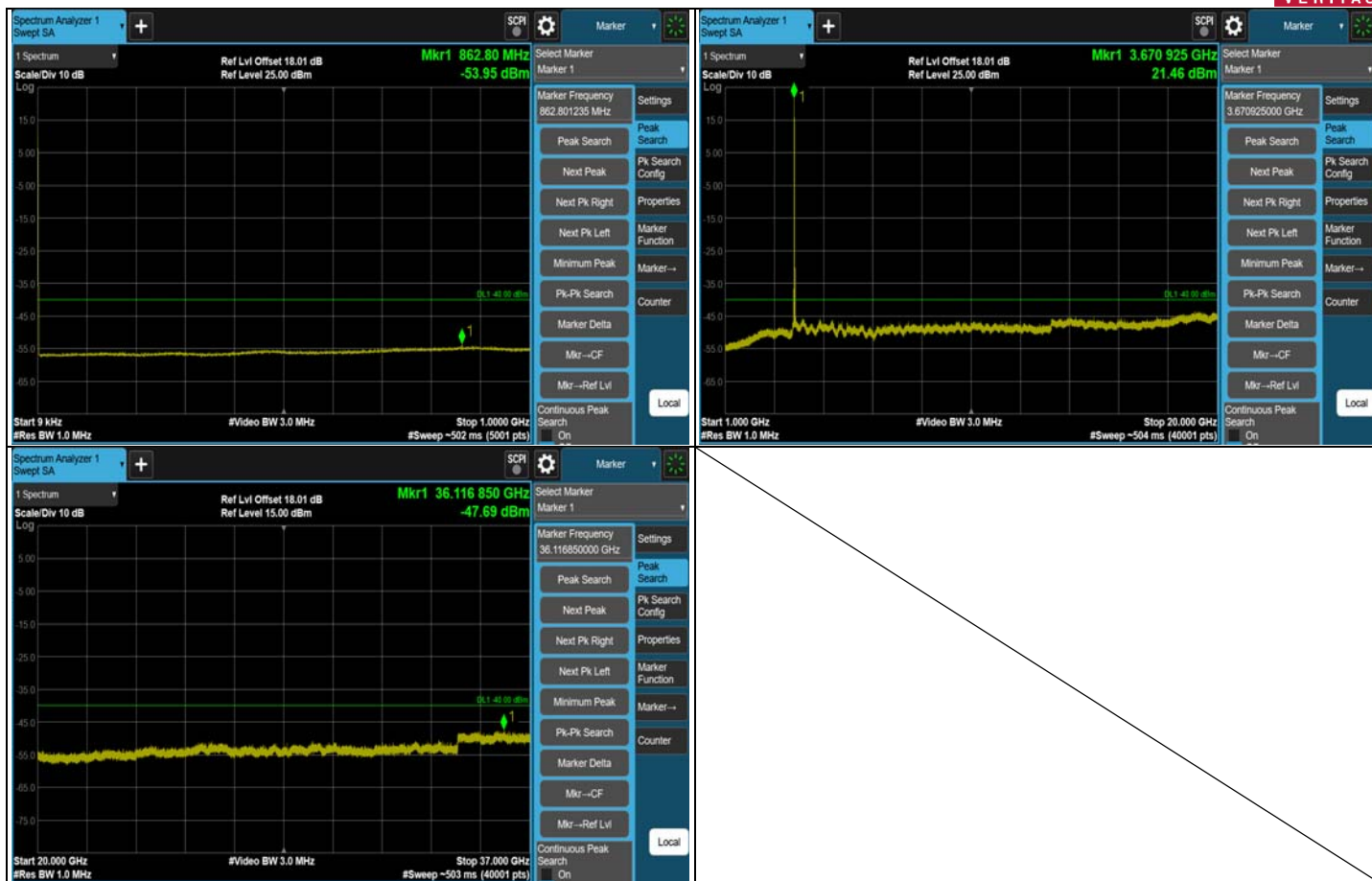
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 30 MHz



CH 637668 (3565.02 MHz)



CH 641666 (3624.99 MHz)



CH 645666 (3684.99 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 30 MHz

CH 637668 (3565.02 MHz)

1 RB

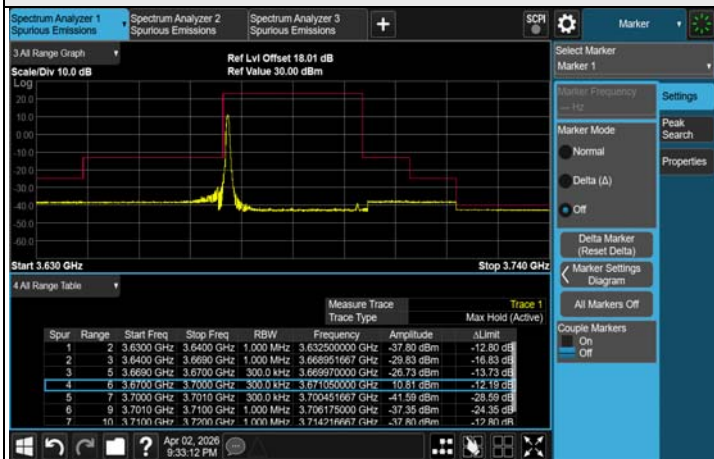


FULL RB



CH 645666 (3684.99 MHz)

1 RB

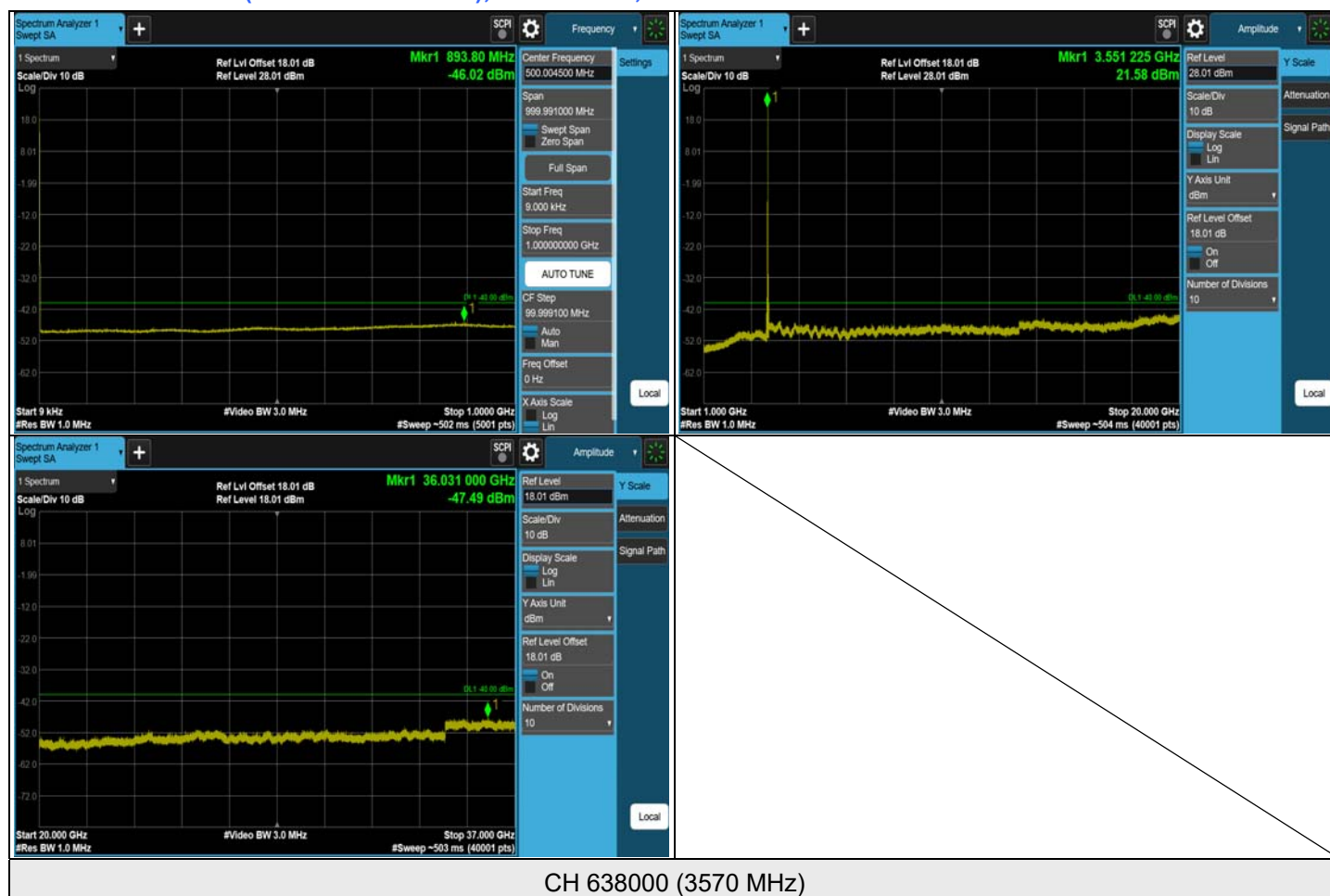


FULL RB

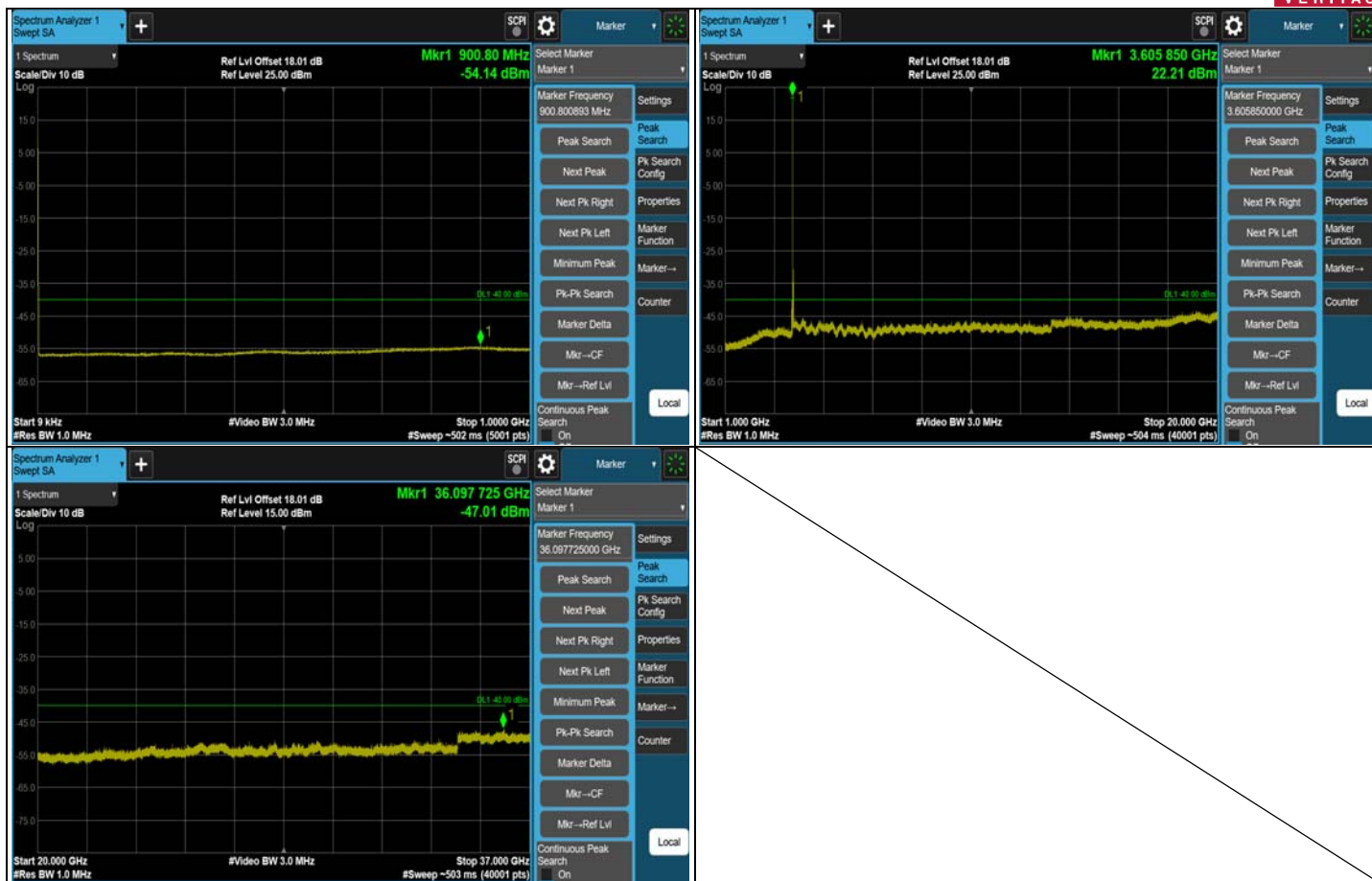




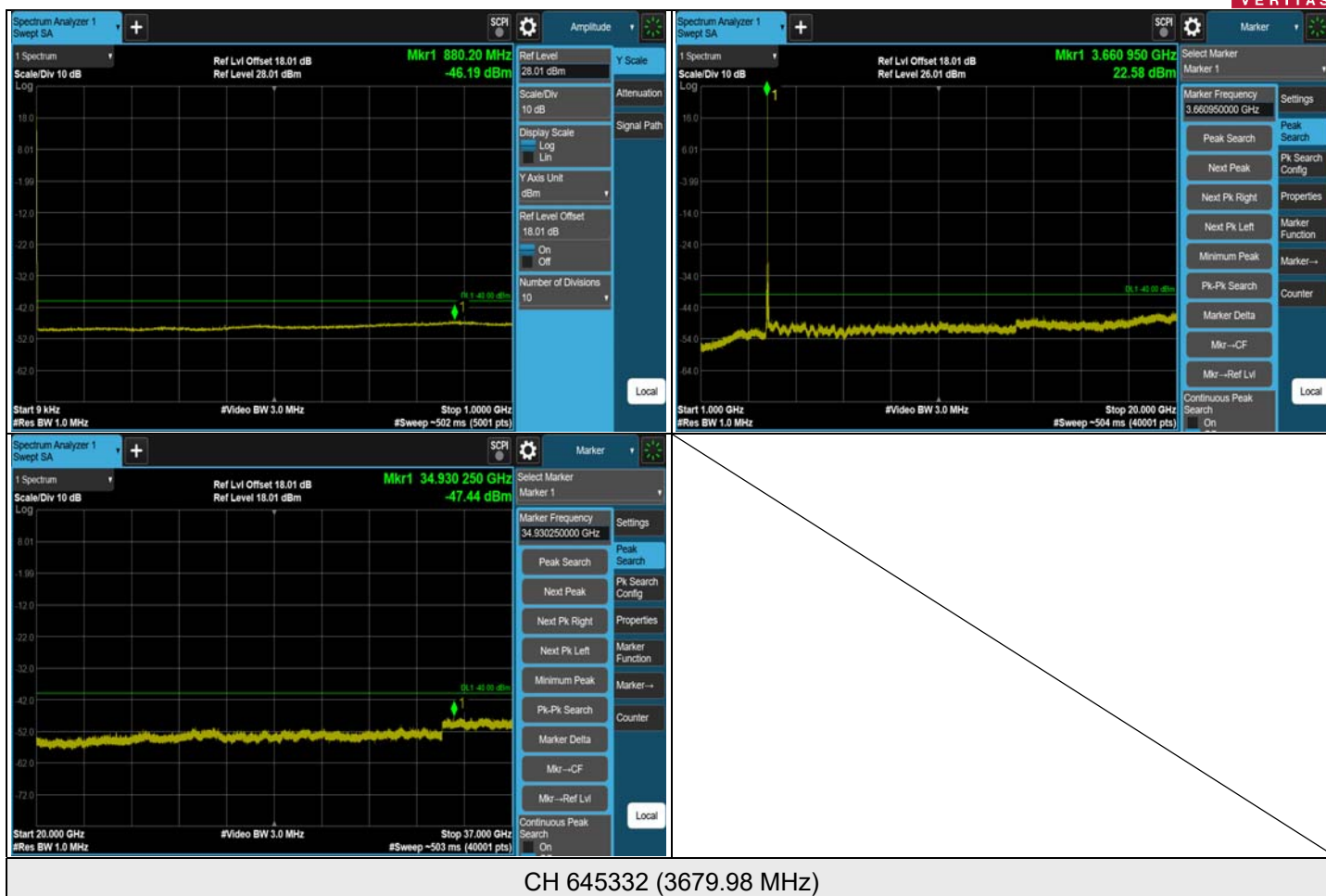
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 40 MHz



CH 638000 (3570 MHz)



CH 641666 (3624.99 MHz)



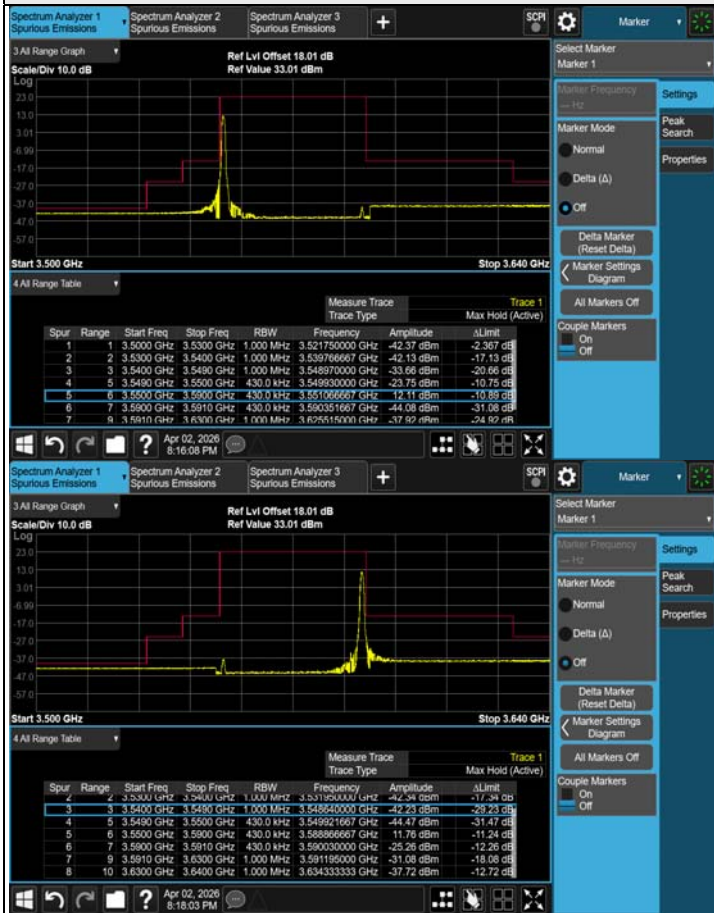
CH 645332 (3679.98 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

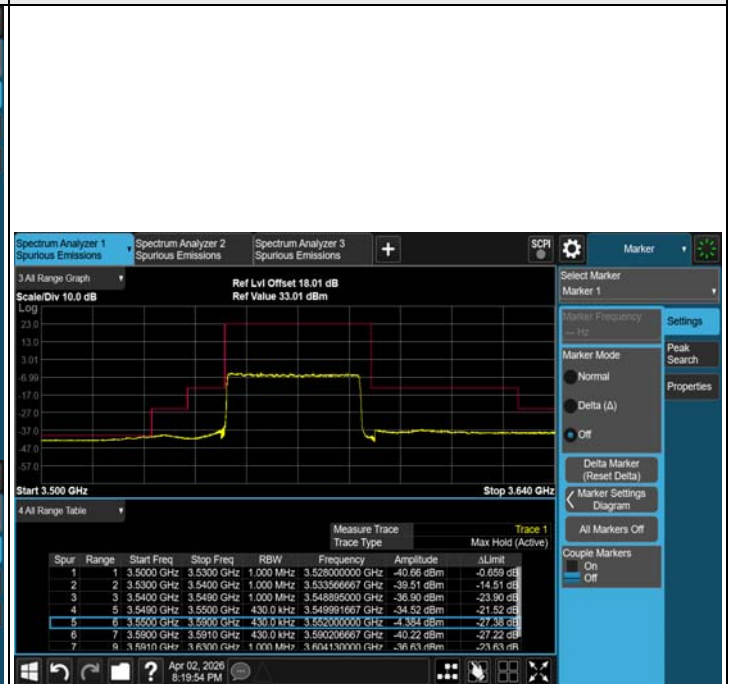
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 0, Channel Bandwidth: 40 MHz

CH 638000 (3570 MHz)

1 RB



FULL RB



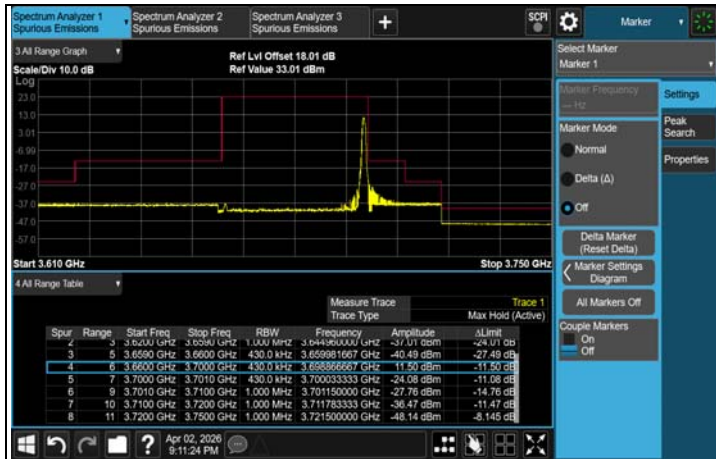
CH 645332 (3679.98 MHz)

1 RB

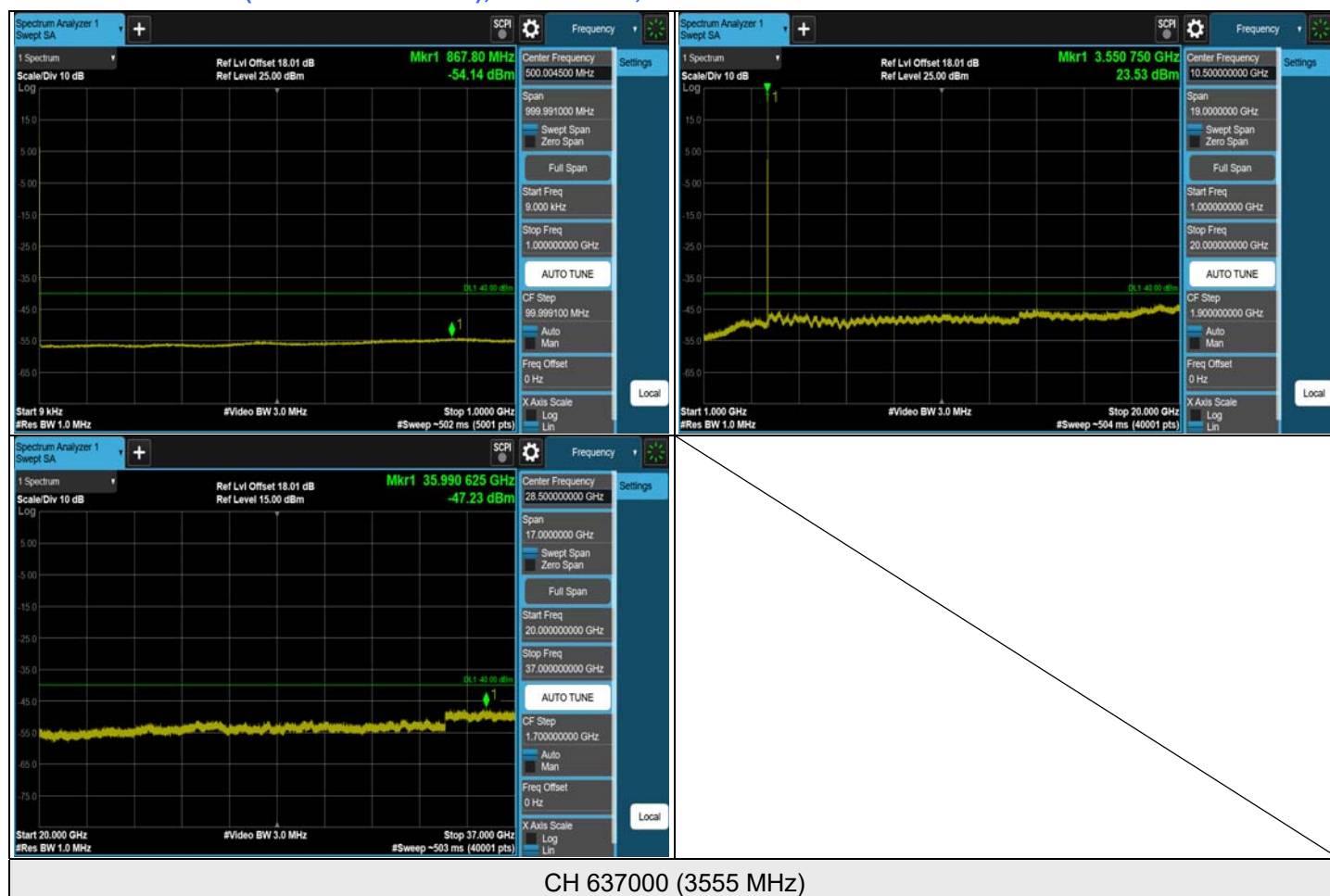


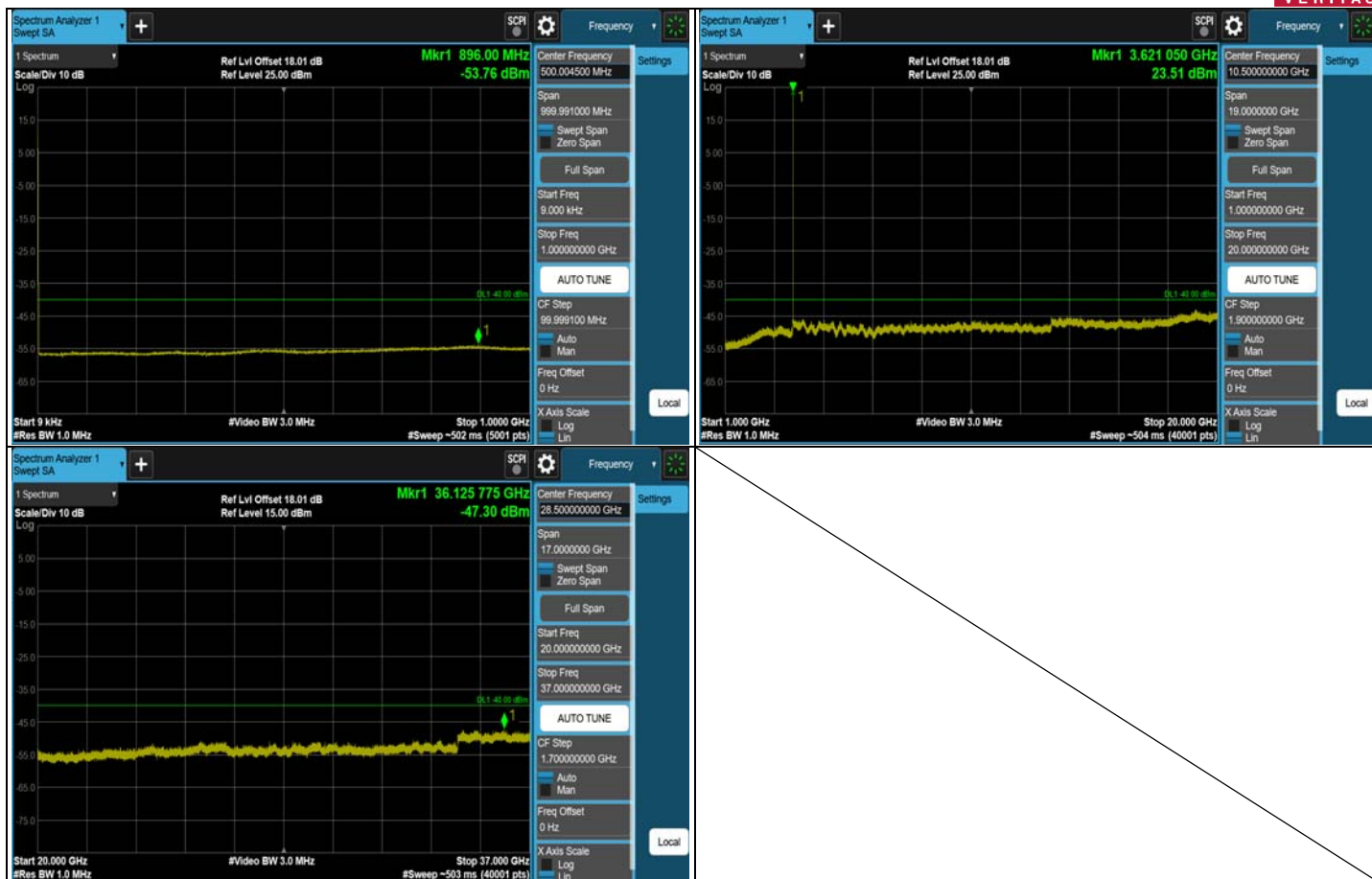
FULL RB



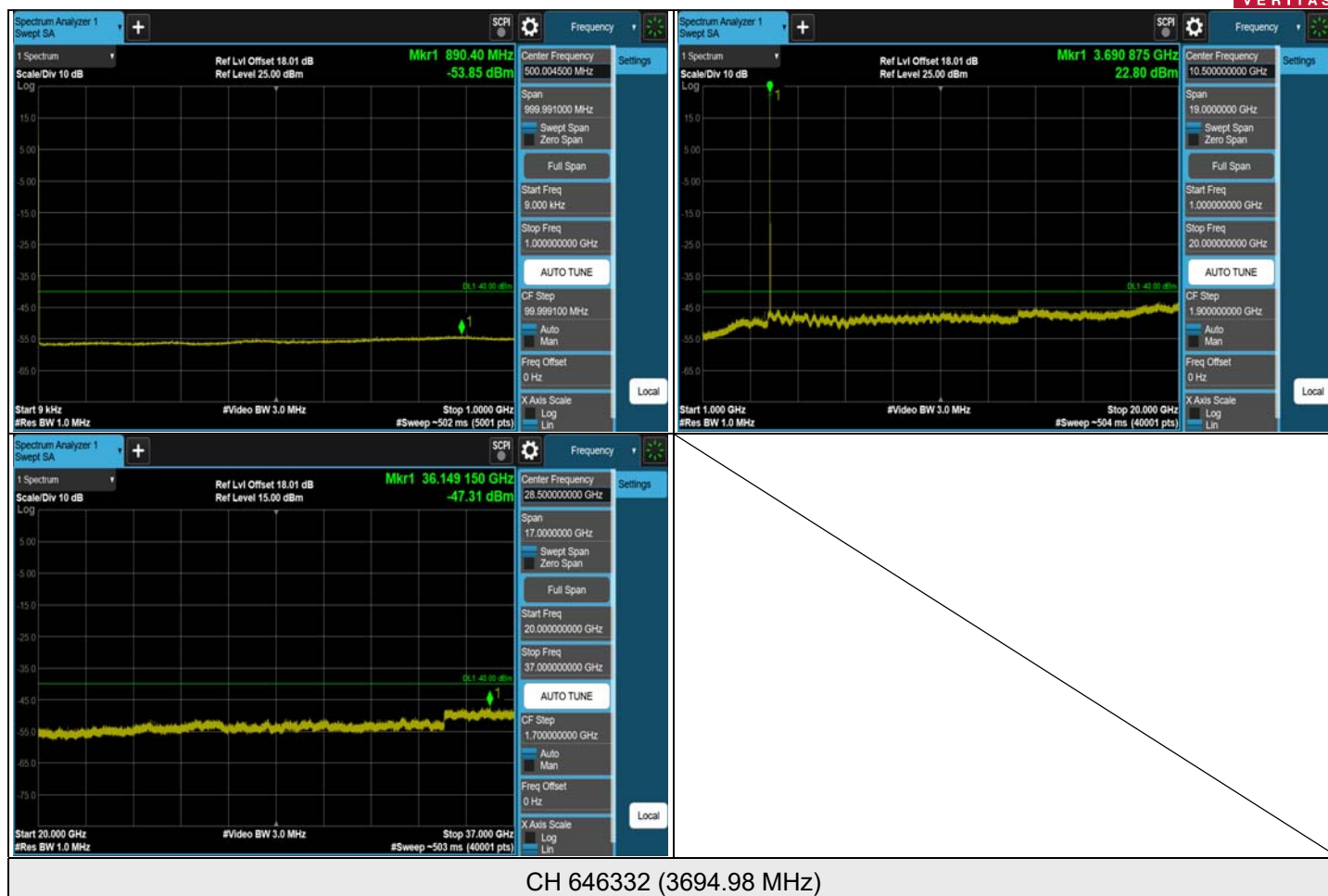


NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 10 MHz





CH 641666 (3624.99 MHz)



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

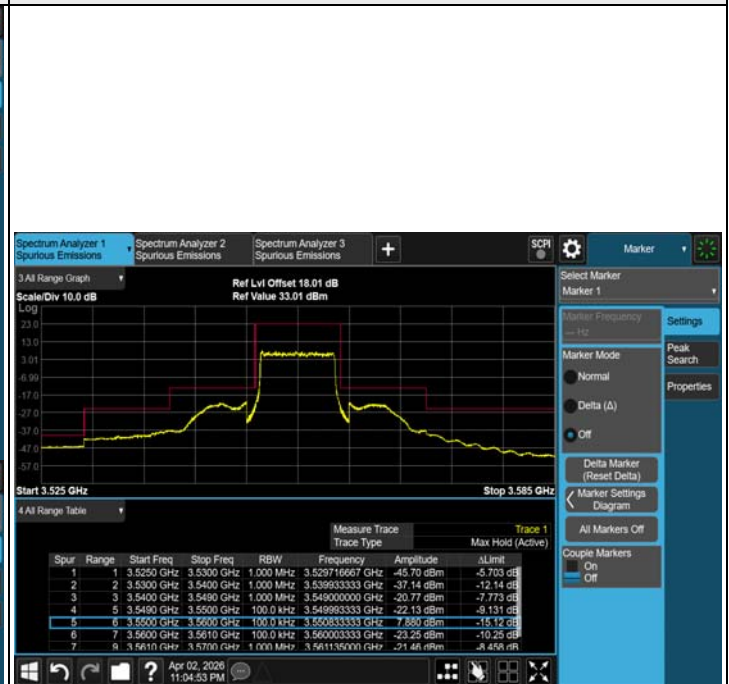
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 10 MHz

CH 637000 (3555 MHz)

1 RB



FULL RB



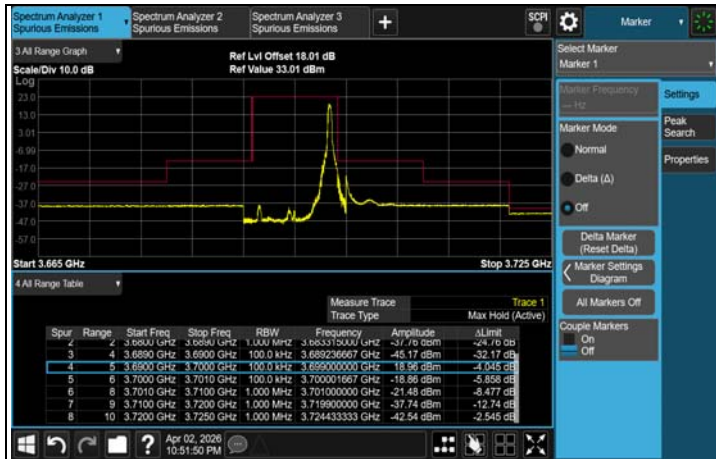
CH 646332 (3694.98 MHz)

1 RB

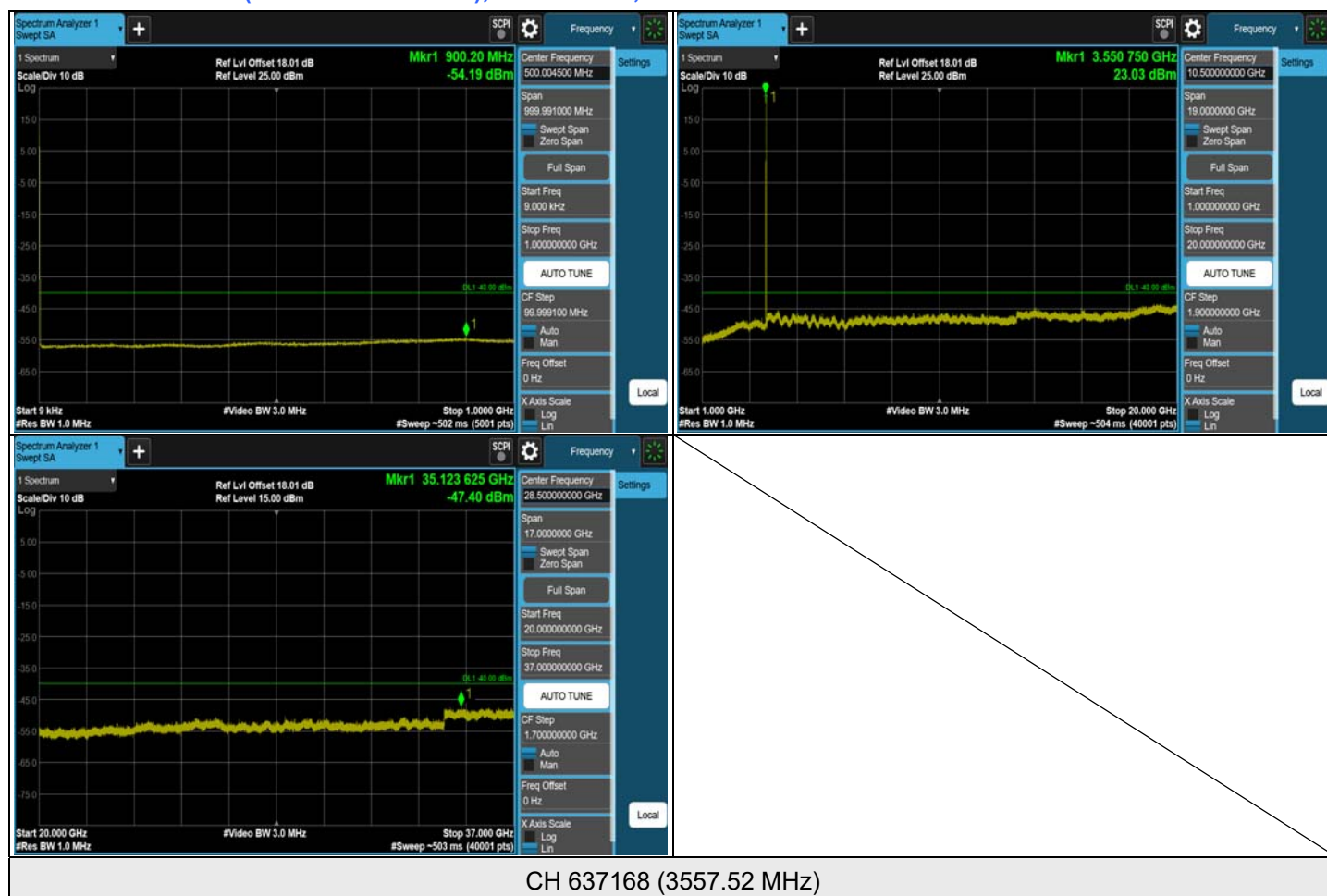


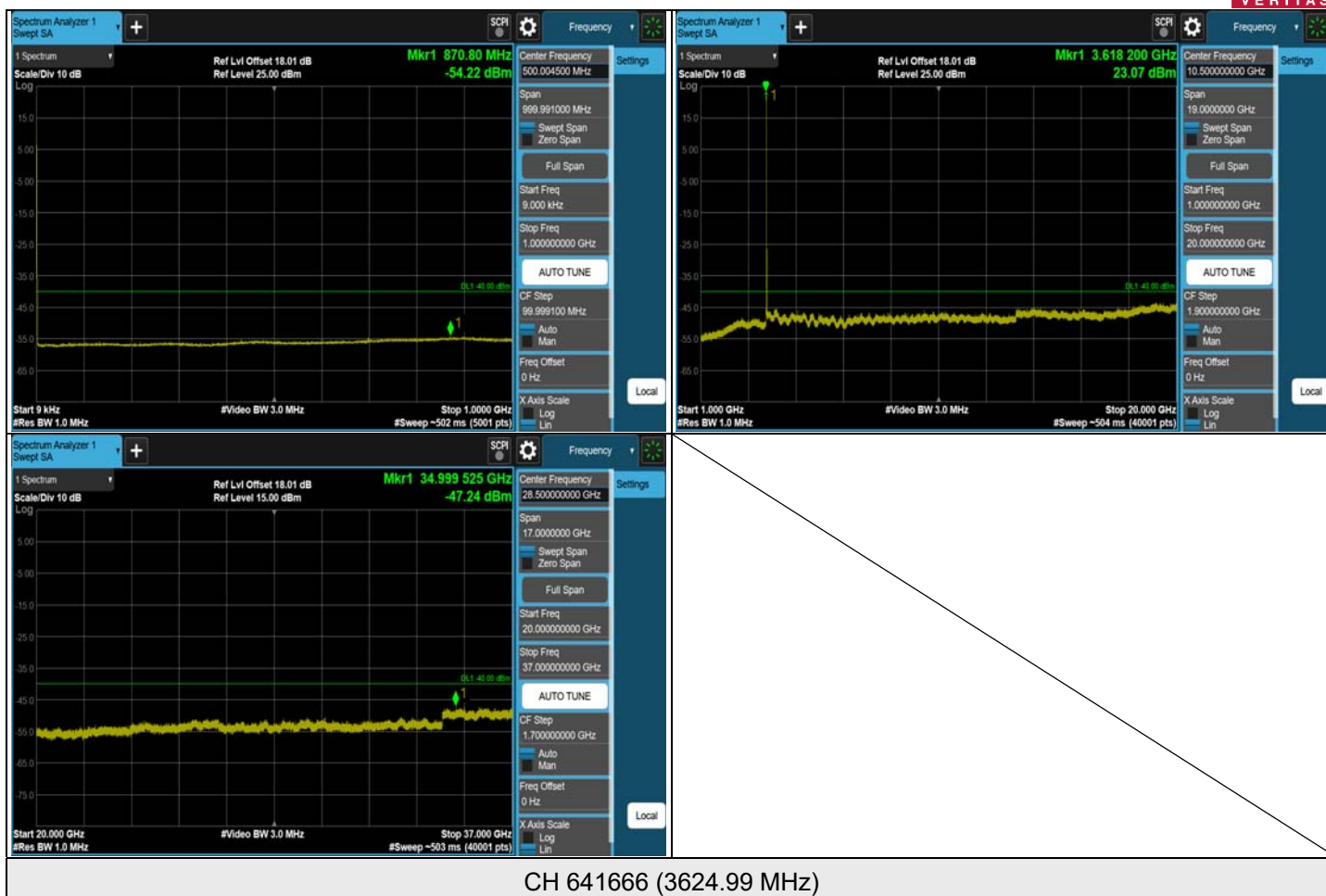
FULL RB

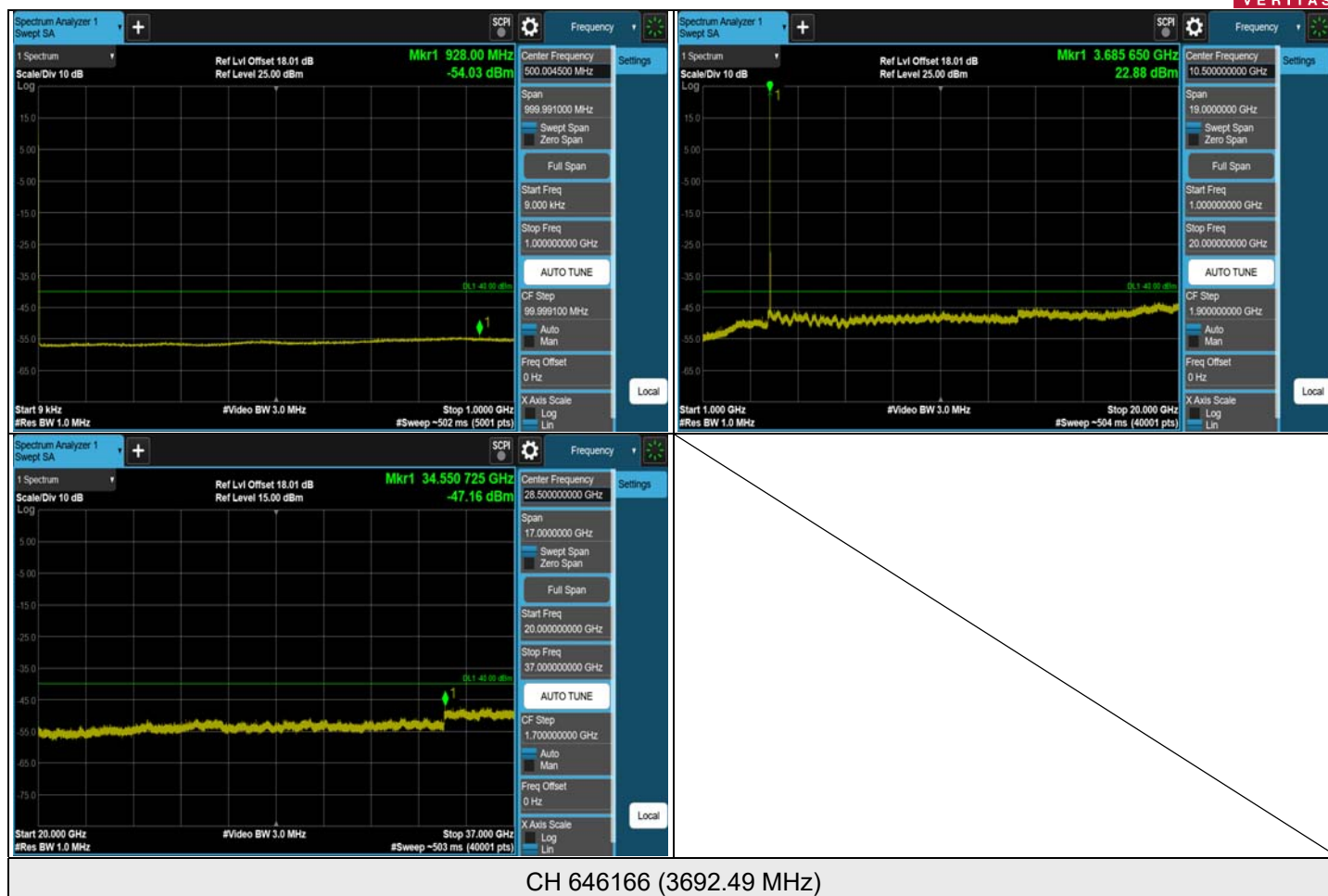




NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant 3, Channel Bandwidth: 15 MHz







Note: The signal at 9 kHz is IF signal from spectrum analyzer.