



TEST REPORT

No.24T04N002517-003-WLAN 2G

for

DATALOGIC S.R.L.

MOBILE COMPUTER / BARCODE READER

Model Name: AELWF

with

Hardware Version: V3

Software Version: 1.15.000.20241025 release-keys

FCC ID: U4G-AELWF

ISED Number: 3862E-AELWF

Issued Date: 2024-11-28

Designation Number: CN1210

ISED Assigned Code: 23289

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

Test Laboratory:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04N002517-003-WLAN 2G	Rev.0	1st edition	2024-11-28

Note: the latest revision of the test report supersedes all previous versions.

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1. Summary of Test Report

1.1. Test Items

Description	MOBILE COMPUTER / BARCODE READER
Model Name	AELWF
Applicant's name	DATALOGIC S.R.L.
Manufacturer's Name	DATALOGIC S.R.L.

1.2. Test Standards

FCC Part15-2023; ANSI C63.10-2013; RSS-247 Issue 3; RSS-Gen Issue 5 A2.

1.3. Test Result

Pass

Please refer to "5.2. Test Results"

1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road,
Futian District, Shenzhen, Guangdong, P. R. China 51800

1.5. Project data

Testing Start Date:	2024-10-23
Testing End Date:	2024-11-20

1.6. Signature

Lin Zechuang
(Prepared this test report)

An Ran
(Reviewed this test report)

Zhang Bojun
(Approved this test report)



2. Client Information

2.1. Applicant Information

Company Name: Datalogic S.r.l.
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Contact Person Ruggero Cacioppo
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Telephone: +39 0516765611
Fax: /

2.2. Manufacturer Information

Company Name: Datalogic S.r.l.
Address: Via San Vitalino 13 CALDERARA DI RENO, BO 40012 Italy
Contact Person Ruggero Cacioppo
E-Mail ruggero.cacioppo@datalogic.com
Telephone: +39 0516765611
Fax: /

**3. Equipment Under Test (EUT) and Ancillary Equipment (AE)****3.1. About EUT**

Description	MOBILE COMPUTER / BARCODE READER
Model Name	AELWF
RF Protocol	IEEE 802.11b/g/n-HT20/n-HT40/ax-HE20/ax-HE40
Operating Frequency	ISM 2412MHz~2462MHz
Type of Modulation	DSSS/CCK/OFDM/OFDMA
Antenna Type	Integrated antenna
Antenna Gain	Antenna 8=0.3 dBi; Antenna 9 =0.9 dBi Directional Gain: 0.9 dBi (see Note2)
Power Supply	Battery
FCC ID	U4G-AELWF
ISED Number	3862E-AELWF
Condition of EUT as received	No abnormality in appearance

Note1: Components list, please refer to documents of the manufacturer; it is also included in the original test record of Shenzhen Academy of Information and Communications Technology.

Note2: After confirmation with the customer, the Directional gain = $10 \log [(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/NANT]$ dBi = $10 \log [(10^{0.8/10} + 10^{1.0/10})/2]$ dBi ≈ 0.9 dBi.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of Receipt
UT08aa	X24L00107	V3	1.15.000.2024102 5 release-keys	2024-10-23
UT01aa	X24L00216	V3	1.15.000.2024102 5 release-keys	2024-10-23

*EUT ID: is used to identify the test sample in the lab internally.

UT08aa is used for conduction test, UT01aa is used for radiation test and AC Power line Conducted Emission test.

3.3. Internal Identification of AE used during the test

AE No.	Description	AE ID*
AE1	Battery	/
AE2	Charger	/
AE3	USB Cable	/

AE1

Model	AEL-BY-184
Manufacturer	TWS TECHNOLOGY (GUANGZHOU) LIMITED
Capacity	3870mAh(Min.)/4000mAh(Typ.)
Nominal Voltage	3.87V

AE2



No. 24T04N002517-003-WLAN 2G

Model	S018BYU12000150; SGVSSDWLC; 2ACP0183C
Manufacturer	Datalogic
AE3	
Model	94ACC0327
Manufacturer	Datalogic

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment under Test (EUT) is a model of MOBILE COMPUTER / BARCODE READER with integrated antenna and battery.

It consists of normal options: Lithium Battery, Charger and USB Cable.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

4. Reference Documents

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part15	FCC CFR 47, Part 15, Subpart C: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.247 Operation within the bands 902–928MHz, 2400–2483.5 MHz, and 5725–5850 MHz	2023
ANSI C63.10	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	2013
RSS-247	Spectrum Management and Telecommunications Radio Standards Specification Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and License-Exempt Local Area Network (LE-LAN) Devices	Issue 3 August, 2023
RSS-Gen	Spectrum Management and Telecommunications Radio Standards Specification General Requirements for Compliance of Radio Apparatus	Issue 5 February,2021 Amendment 2

5. Test Results

5.1. Testing Environment

Normal Temperature: 15~35°C

Relative Humidity: 20~75%

5.2. Test Results

No	Test cases	Sub-clause of FCC Part 15	Sub-clause of ISED	Verdict
0	Antenna Requirement	15.203	RSS-Gen section 6.8	P
1	Maximum Peak Output Power	15.247 (b)	RSS-247 section 5.4	P
2	Peak Power Spectral Density	15.247 (e)	RSS-247 section 5.2	P
3	6dB Bandwidth	15.247 (a)	RSS-247 section 5.2	P
4	Band Edges Compliance	15.247 (d)	RSS-247 section 5.5	P
5	Transmitter Spurious Emission - Conducted	15.247 (d)	RSS-247 section 5.5/ RSS-Gen section 6.13	P
6	Transmitter Spurious Emission - Radiated	15.247, 15.205, 15.209	RSS-247 section 5.5/ RSS-Gen section 6.13	P
7	99% Occupied Bandwidth	/	RSS-Gen section 6.7	P
8	AC Power line Conducted Emission	15.107, 15.207	RSS-Gen section 8.8	P

See **ANNEX A** for details.

5.3. Statements

SAICT has evaluated the test cases requested by the applicant/manufacture as listed in section 5.2 of this report, for the EUT specified in section 3, according to the standards or reference documents listed in section 4.2.

Disclaimer:

A. After confirmation with the customer, the sample information provided by the customer may affect the validity of the measurement results in this report, and the impact and consequences arising therefrom shall be borne by the customer.

B. The samples in this report are provided by the customer, and the test results are only applicable to the samples received.

6. Test Equipments Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Signal Analyzer	N9020A	My48011880	Keysight	2025-03-26	1 year
2	Power Sensor	U2021XA	MY55430013	Keysight	2024-12-27	1 year
3	RF Control Unit	JS0806-2	21C8060398	Tonscend	2025-05-06	1 year
4	Shielding Room	S81	CT000986-1344	ETS-Lindgren	2026-09-12	5 years

Radiated test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Test Receiver	ESR7	101676	Rohde & Schwarz	2024-11-22	1 year
2	Hybrid antenna	VULB 9163	330	Schwarzbeck	2027-04-21	3 years
3	Horn Antenna	3117	00066577	ETS-Lindgren	2025-04-17	3 years
4	Anechoic Chamber	FACT3-2.0	1285	ETS-Lindgren	2025-05-28	2 years
5	Spectrum Analyzer	FSV40	101192	Rohde & Schwarz	2025-01-12	1 year
6	Loop Antenna	HLA6120	35779	TESEQ	2025-05-10	3 years
7	Horn Antenna	QSH-SL-1 8-26-S-20	17013	Q-par	2026-02-01	3 years
8	Test Receiver	ESCI	100702	Rohde & Schwarz	2025-01-10	1 year
9	LISN	ENV216	102067	Rohde & Schwarz	2025-10-07	1 year

Test software

No.	Equipment	Manufacturer	Version
1	JS1120-3	Tonscend	3.5
2	EMC32	Rohde & Schwarz	10.50.40

EUT is engineering software provided by the customer to control the transmitting signal. The EUT was programmed to be in continuously transmitting mode.

7. Laboratory Environment

Shielded room

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2M Ω
Ground system resistance	< 4 Ω

Anechoic chamber

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2M Ω
Ground system resistance	< 4 Ω
Normalised site attenuation (NSA)	< ± 4 dB, 3 m distance, from 30 to 1000 MHz
Voltage Standing Wave Ratio (VSWR)	≤ 6 dB, from 1 to 18 GHz, 3m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

8. Measurement Uncertainty

Test Name	Uncertainty ($k=2$)	
1. Maximum Peak Output Power	1.32dB	
2. Peak Power Spectral Density	1.32dB	
3. 6dB Bandwidth	4.56kHz	
4. Band Edges Compliance	1.92dB	
5. Transmitter Spurious Emission - Conducted	$30\text{MHz} \leq f < 1\text{GHz}$	1.41dB
	$1\text{GHz} \leq f < 7\text{GHz}$	1.92dB
	$7\text{GHz} \leq f < 13\text{GHz}$	2.31dB
	$13\text{GHz} \leq f \leq 26\text{GHz}$	2.61dB
6. Transmitter Spurious Emission - Radiated	$9\text{kHz} \leq f < 30\text{MHz}$	1.79dB
	$30\text{MHz} \leq f < 1\text{GHz}$	4.86dB
	$1\text{GHz} \leq f < 18\text{GHz}$	4.82dB
	$18\text{GHz} \leq f \leq 40\text{GHz}$	2.90dB
7. AC Power line Conducted Emission	$150\text{kHz} \leq f \leq 30\text{MHz}$	2.62dB

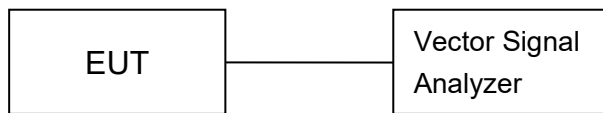
ANNEX A: Detailed Test Results

Test Configuration

The measurement is made according to ANSI C63.10.

1) Conducted Measurements

1. Connect the EUT to the test system correctly.
2. Set the EUT to the required work mode.
3. Set the EUT to the required channel.
4. Set the spectrum analyzer to start measurement.
5. Record the values.



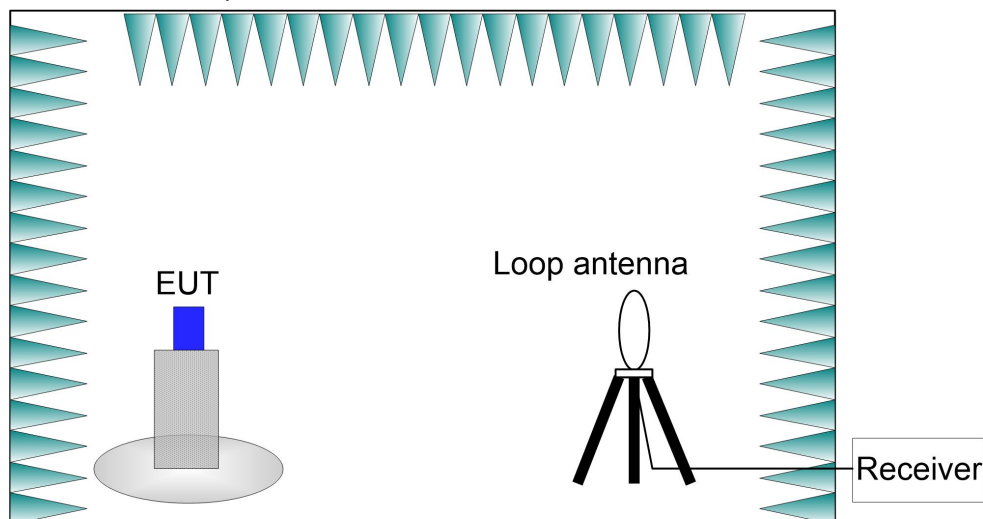
2) Radiated Measurements

Test setup:

9kHz-30MHz:

The EUT are measured in a anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The test setup refers to figure below.

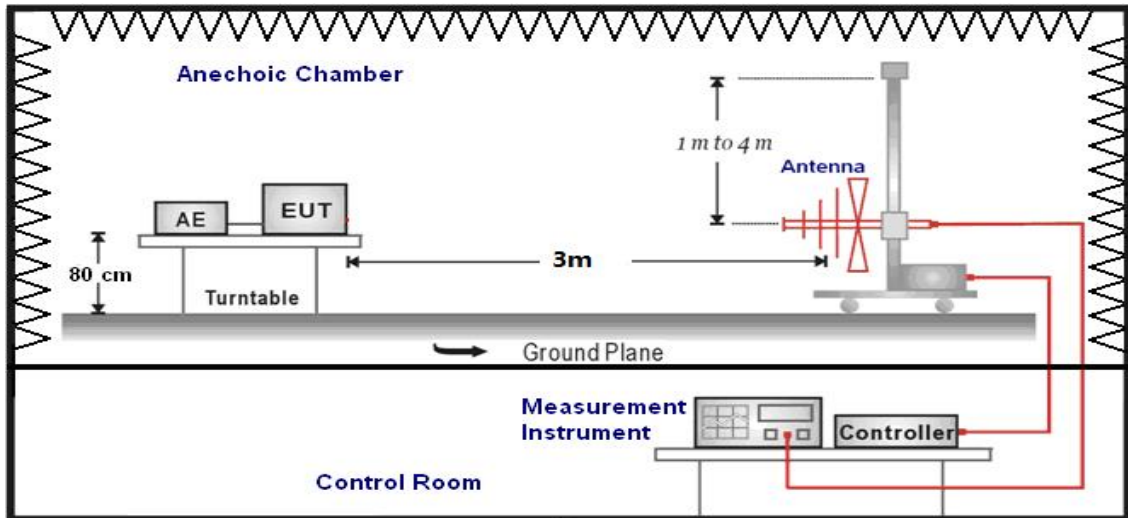
Detected emissions were maximized at each frequency by rotating the EUT and adjusting the receiver antenna polarization.



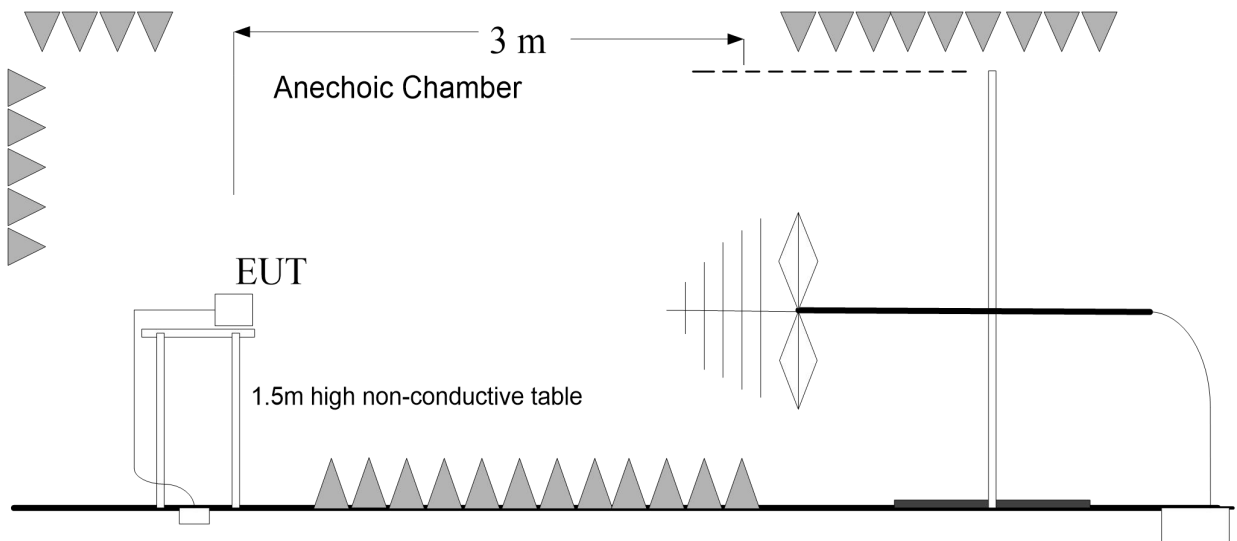
30MHz-26.5GHz:

The EUT are measured in a anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving antenna is 1.0 meter to 4.0 meter above the ground. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT and adjusting the receiver antenna polarization.

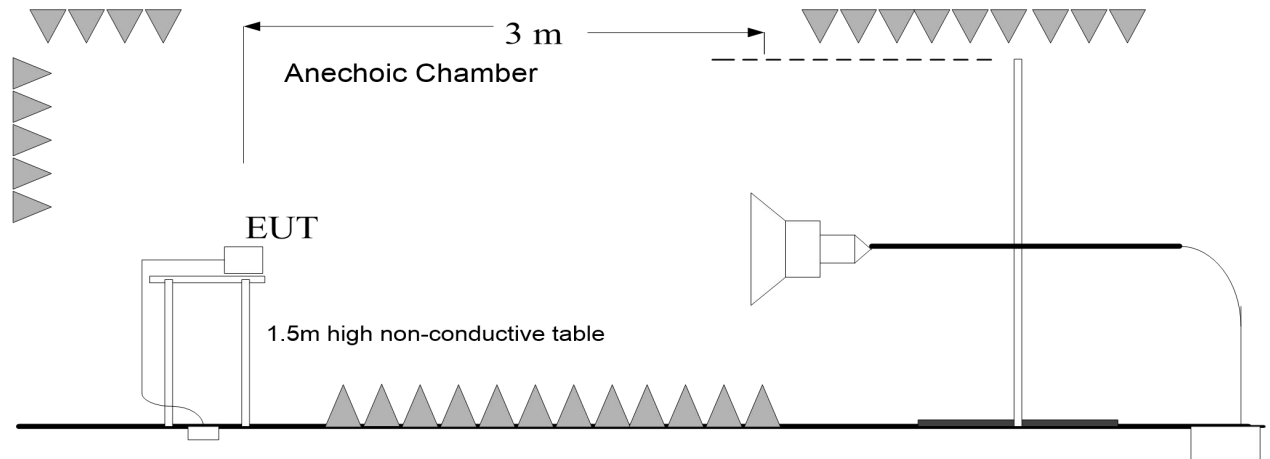
30MHz-1GHz:



1GHz-3GHz:

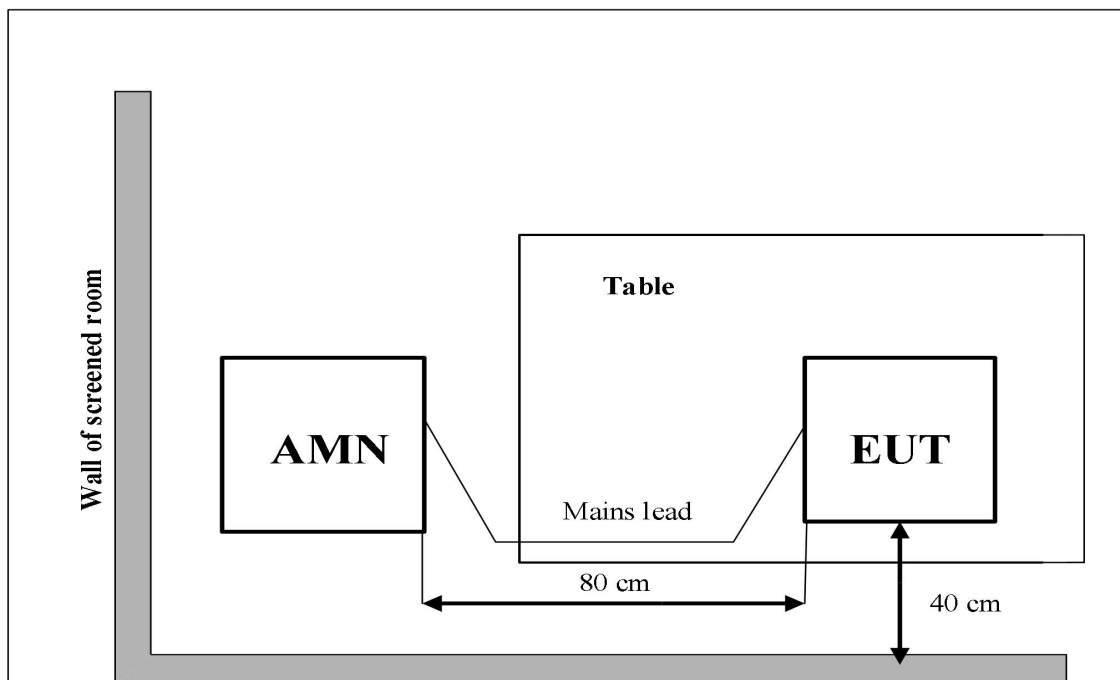


3GHz-26.5GHz:



3) AC Power line Conducted Emission Measurement

For WLAN, the EUT is working under test mode. The EUT is commanded to operate at maximum transmitting power.



A.0 Antenna requirement

Measurement Limit:

Standard	Requirement
FCC CRF Part 15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Conclusion: The Directional gains of antenna used for transmitting: Antenna 8:0.3dBi; Antenna 9:0.9dBi; Directional gain:0.9dBi.

The RF transmitter uses an integrate antenna without connector.

A.1 Maximum Output Power

Measurement of method: See ANSI C63.10-2013-Clause 11.9.2.3.2.

Method AVGPM-G is a measurement using a gated RF average power meter.

Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Measurement Limit:

Standard	Limit (dBm)
FCC CRF Part 15.247(b)	< 30
RSS-247	< 36 (E.I.R.P)

Measurement Results:

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant8	2412	17.68	≤30.00	0.30	17.98	≤36.00	PASS
	Ant9	2412	18.72	≤30.00	0.90	19.62	≤36.00	PASS
	Ant8	2437	18.10	≤30.00	0.30	18.40	≤36.00	PASS
	Ant9	2437	18.77	≤30.00	0.90	19.67	≤36.00	PASS
	Ant8	2462	17.43	≤30.00	0.30	17.73	≤36.00	PASS
	Ant9	2462	18.38	≤30.00	0.90	19.28	≤36.00	PASS
11G	Ant8	2412	16.85	≤30.00	0.30	17.15	≤36.00	PASS
	Ant9	2412	17.79	≤30.00	0.90	18.69	≤36.00	PASS
	Ant8	2437	16.76	≤30.00	0.30	17.06	≤36.00	PASS
	Ant9	2437	17.82	≤30.00	0.90	18.72	≤36.00	PASS
	Ant8	2462	16.79	≤30.00	0.30	17.09	≤36.00	PASS
	Ant9	2462	17.71	≤30.00	0.90	18.61	≤36.00	PASS
11N20	Ant8	2412	16.44	≤30.00	0.30	16.74	≤36.00	PASS
	Ant9	2412	17.61	≤30.00	0.90	18.51	≤36.00	PASS
	MIMO	2412	20.07	≤30.00	0.90	20.97	≤36.00	PASS
	Ant8	2437	17.29	≤30.00	0.30	17.59	≤36.00	PASS
	Ant9	2437	17.70	≤30.00	0.90	18.60	≤36.00	PASS
	MIMO	2437	20.51	≤30.00	0.90	21.41	≤36.00	PASS
	Ant8	2462	16.43	≤30.00	0.30	16.73	≤36.00	PASS
	Ant9	2462	17.40	≤30.00	0.90	18.30	≤36.00	PASS
	MIMO	2462	19.95	≤30.00	0.90	20.85	≤36.00	PASS
11N40	Ant8	2422	18.07	≤30.00	0.30	18.37	≤36.00	PASS
	Ant9	2422	18.69	≤30.00	0.90	19.59	≤36.00	PASS
	MIMO	2422	21.40	≤30.00	0.90	22.30	≤36.00	PASS
	Ant8	2437	18.26	≤30.00	0.30	18.56	≤36.00	PASS

	Ant9	2437	18.53	≤30.00	0.90	19.43	≤36.00	PASS
	MIMO	2437	21.41	≤30.00	0.90	22.31	≤36.00	PASS
	Ant8	2452	15.69	≤30.00	0.30	15.99	≤36.00	PASS
	Ant9	2452	16.08	≤30.00	0.90	16.98	≤36.00	PASS
	MIMO	2452	18.90	≤30.00	0.90	19.80	≤36.00	PASS
11AX2 0	Ant8	2412	15.70	≤30.00	0.30	16.00	≤36.00	PASS
	Ant9	2412	16.76	≤30.00	0.90	17.66	≤36.00	PASS
	MIMO	2412	19.27	≤30.00	0.90	20.17	≤36.00	PASS
	Ant8	2437	16.51	≤30.00	0.30	16.81	≤36.00	PASS
	Ant9	2437	16.77	≤30.00	0.90	17.67	≤36.00	PASS
	MIMO	2437	19.65	≤30.00	0.90	20.55	≤36.00	PASS
	Ant8	2462	15.62	≤30.00	0.30	15.92	≤36.00	PASS
	Ant9	2462	16.46	≤30.00	0.90	17.36	≤36.00	PASS
11AX4 0	MIMO	2462	19.07	≤30.00	0.90	19.97	≤36.00	PASS
	Ant8	2422	16.61	≤30.00	0.30	16.91	≤36.00	PASS
	Ant9	2422	17.28	≤30.00	0.90	18.18	≤36.00	PASS
	MIMO	2422	19.97	≤30.00	0.90	20.87	≤36.00	PASS
	Ant8	2437	16.94	≤30.00	0.30	17.24	≤36.00	PASS
	Ant9	2437	17.00	≤30.00	0.90	17.90	≤36.00	PASS
	MIMO	2437	19.98	≤30.00	0.90	20.88	≤36.00	PASS
	Ant8	2452	16.30	≤30.00	0.30	16.60	≤36.00	PASS
	Ant9	2452	16.53	≤30.00	0.90	17.43	≤36.00	PASS
	MIMO	2452	19.43	≤30.00	0.90	20.33	≤36.00	PASS

Note:

The data rate 1Mbps (11b mode), 6Mbps (11g mode), MCS0 (11n mode) and MCS0 (11ax mode) are selected as the Worst-Case. The Full RU of 802.11ax is the type with maximum outpower level. Between SISO and MIMO, the MIMO of 11n and 11ax and is the worst type. The following cases and test graphs are performed with this condition.

The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

Conclusion: PASS

**A.2 Peak Power Spectral Density****Method of Measurement: See ANSI C63.10-clause 11.10.2.****Measurement Limit:**

Standard	Limit (dBm/3 kHz)
FCC CRF Part 15.247(e) & RSS-247 section 5.2	< 8

Measurement Results:

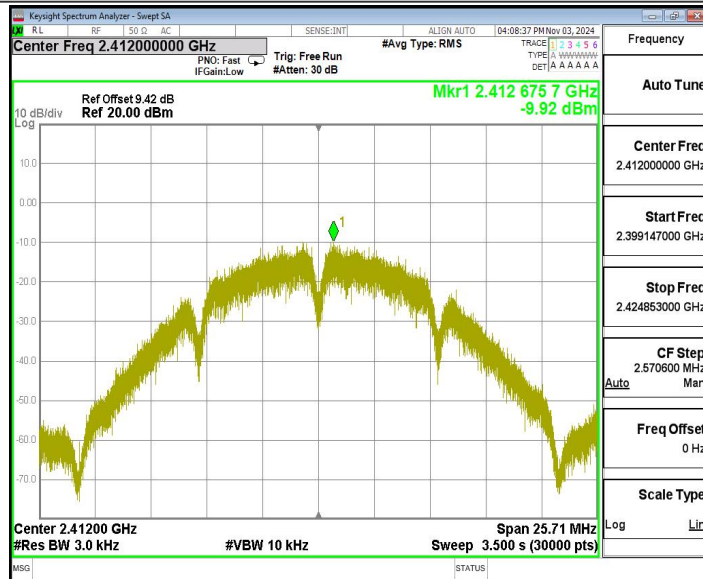
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant8	2412	-9.92	≤8.00	PASS
	Ant9	2412	-8.06	≤8.00	PASS
	Ant8	2437	-9.70	≤8.00	PASS
	Ant9	2437	-8.51	≤8.00	PASS
	Ant8	2462	-10.22	≤8.00	PASS
	Ant9	2462	-9.45	≤8.00	PASS
11G	Ant8	2412	-13.97	≤8.00	PASS
	Ant9	2412	-12.79	≤8.00	PASS
	Ant8	2437	-12.41	≤8.00	PASS
	Ant9	2437	-11.7	≤8.00	PASS
	Ant8	2462	-13.46	≤8.00	PASS
	Ant9	2462	-12.20	≤8.00	PASS
11N20	Ant8	2412	-14.97	≤8.00	PASS
	Ant9	2412	-13.78	≤8.00	PASS
	total	2412	-11.32	≤8.00	PASS
	Ant8	2437	-13.15	≤8.00	PASS
	Ant9	2437	-13.32	≤8.00	PASS
	total	2437	-10.22	≤8.00	PASS
	Ant8	2462	-15.10	≤8.00	PASS
	Ant9	2462	-14.20	≤8.00	PASS
	total	2462	-11.62	≤8.00	PASS
11AX20	Ant8	2412	-16.50	≤8.00	PASS
	Ant9	2412	-16.23	≤8.00	PASS
	total	2412	-13.35	≤8.00	PASS
	Ant8	2437	-15.98	≤8.00	PASS
	Ant9	2437	-14.55	≤8.00	PASS
	total	2437	-12.20	≤8.00	PASS
	Ant8	2462	-16.04	≤8.00	PASS
	Ant9	2462	-16.67	≤8.00	PASS
	total	2462	-13.33	≤8.00	PASS

Note: The 20M bandwidth mode has the worst PSD.

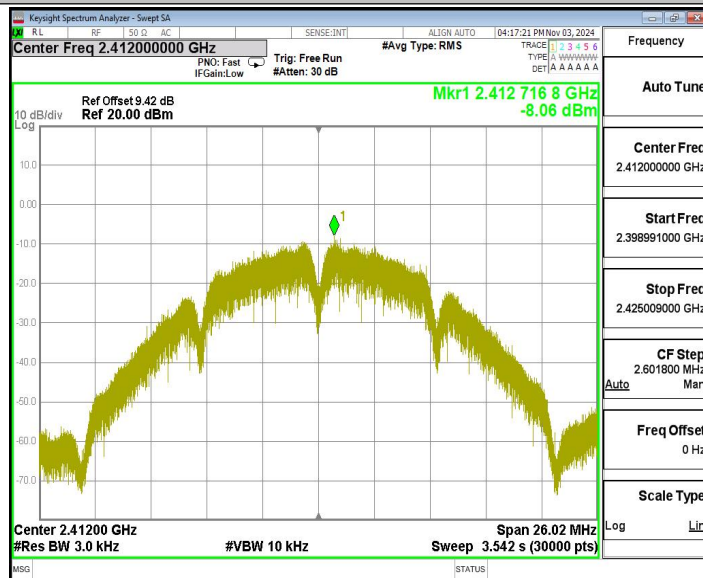
See below for test graphs.**Conclusion: PASS**



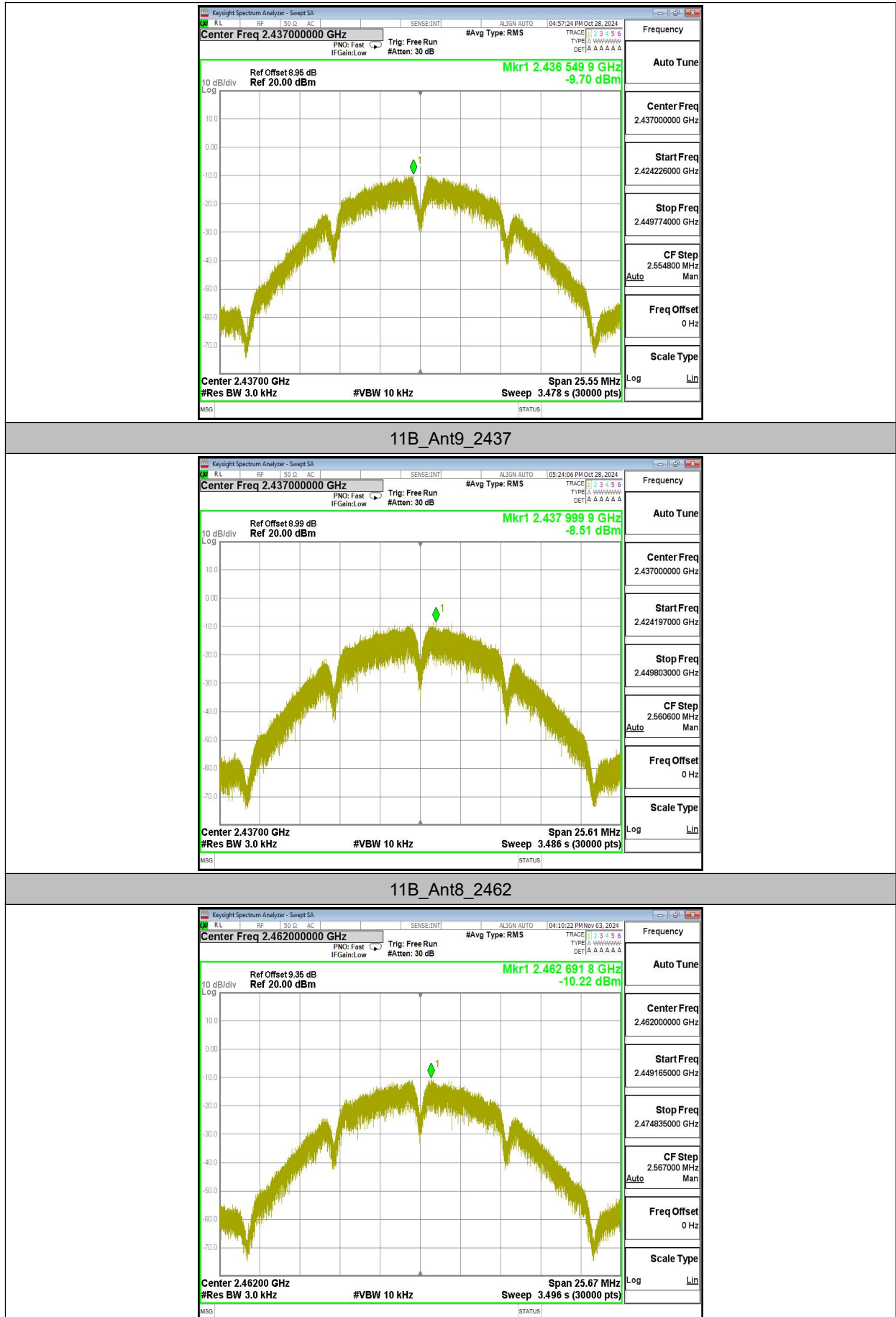
11B_Ant8_2412



11B_Ant9_2412



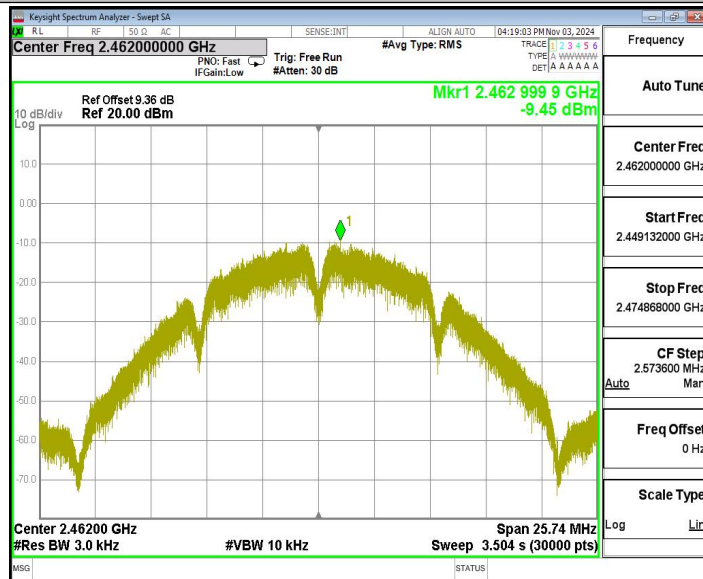
11B_Ant8_2437



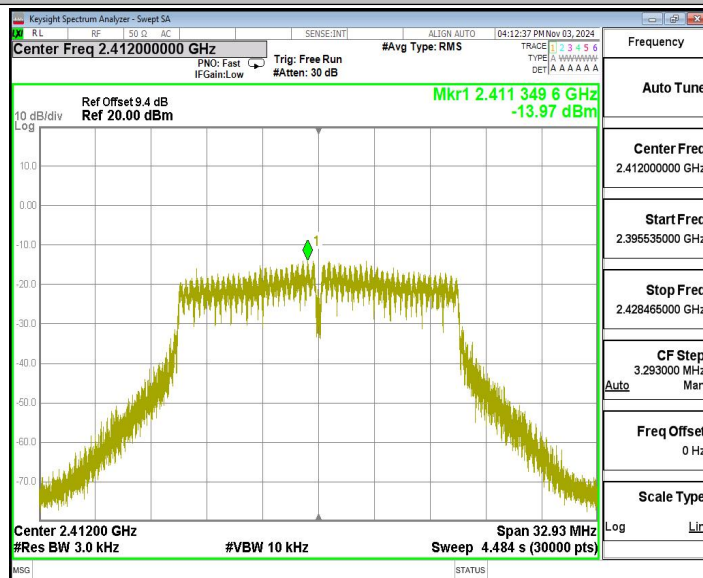


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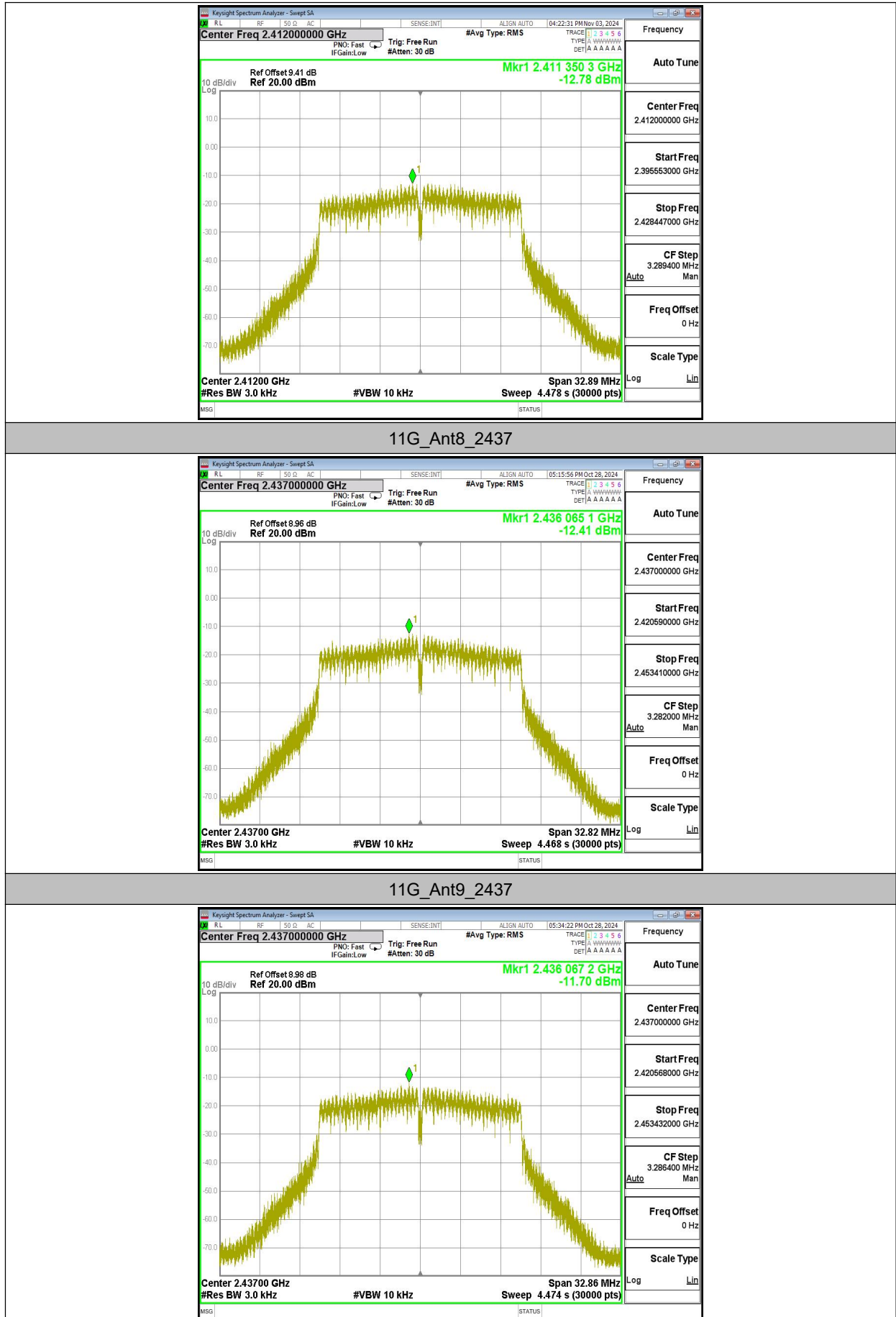
11B_Ant9_2462



11G_Ant8_2412

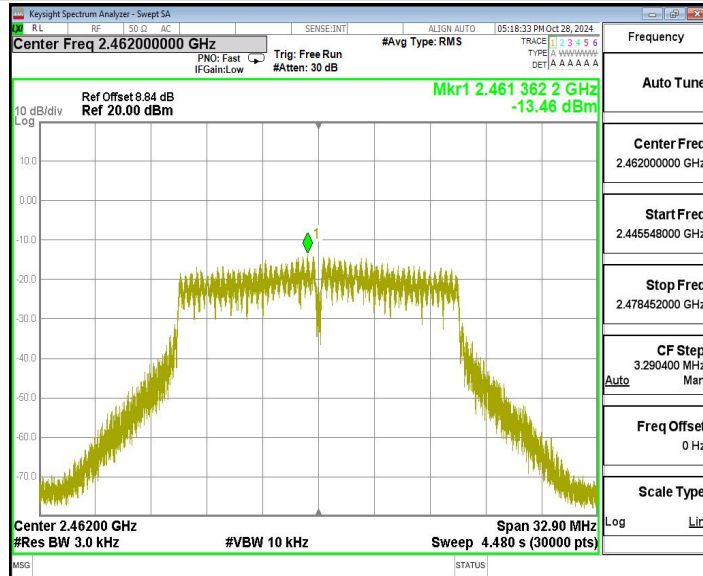


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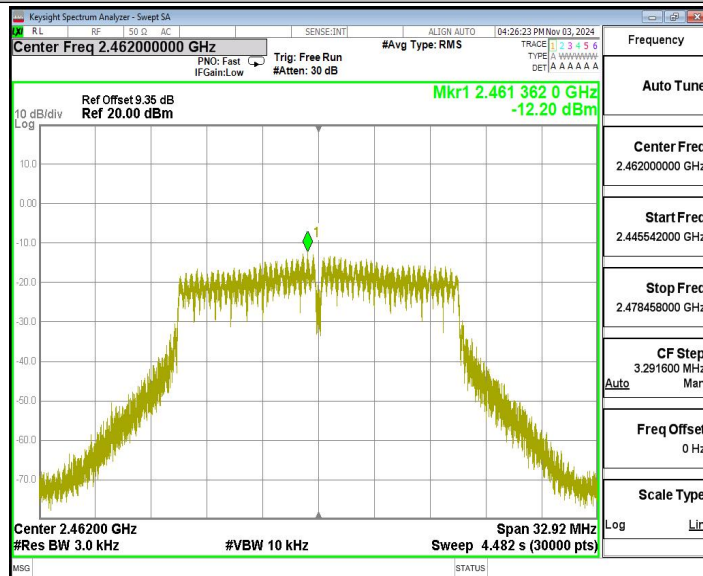




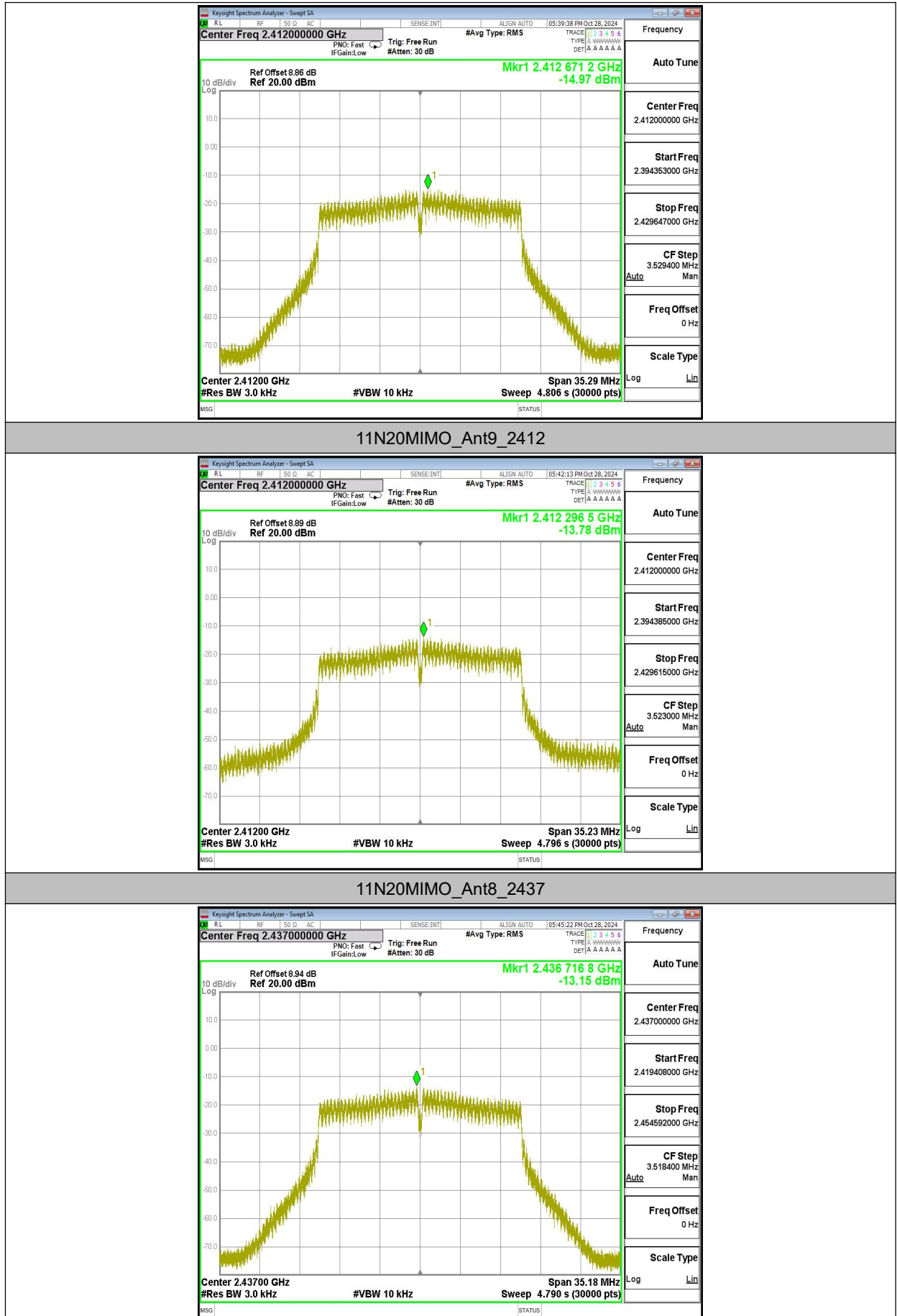
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11G_Ant9_2462

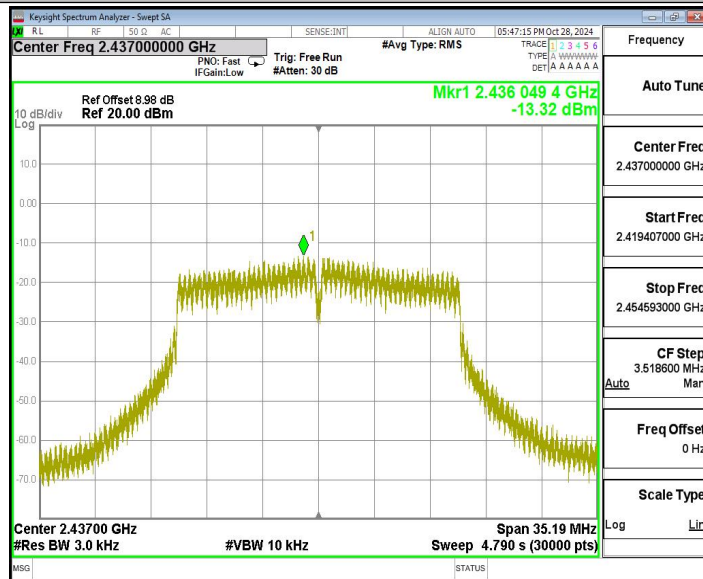


11N20MIMO_Ant8_2412

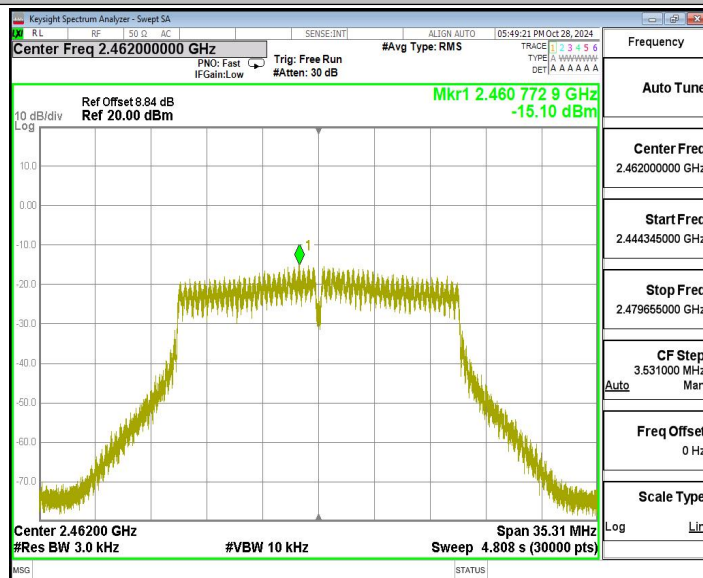




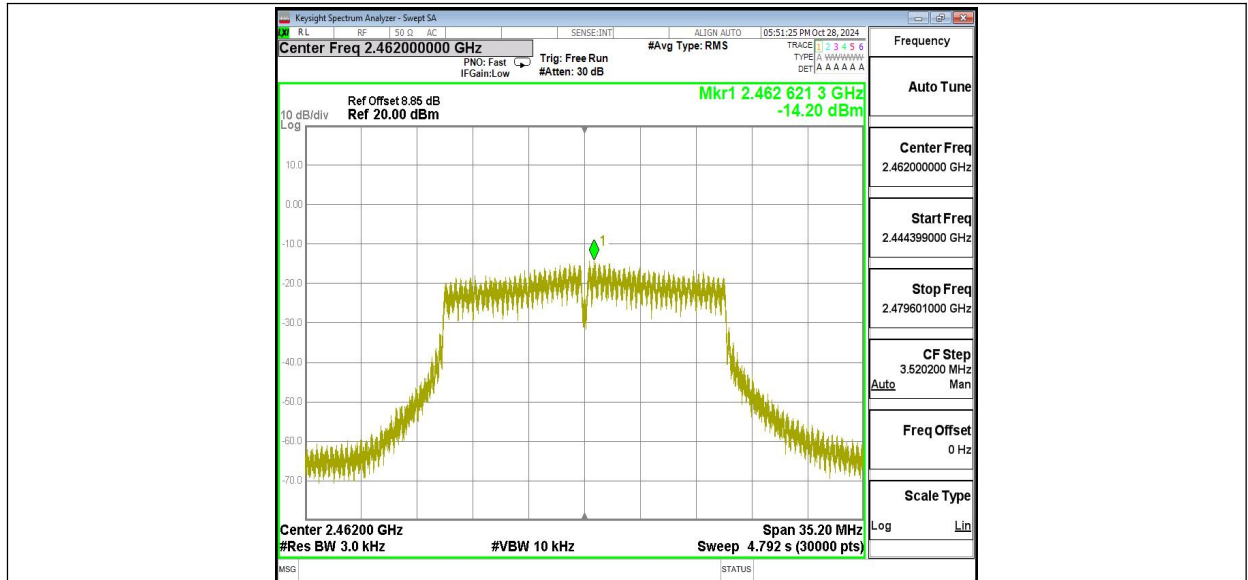
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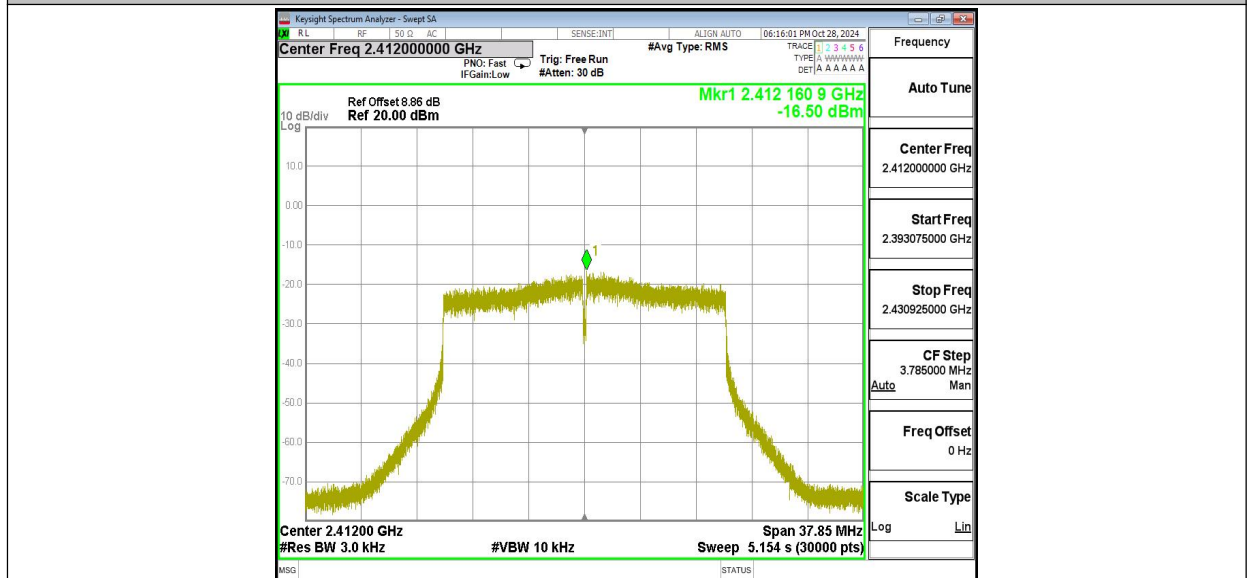
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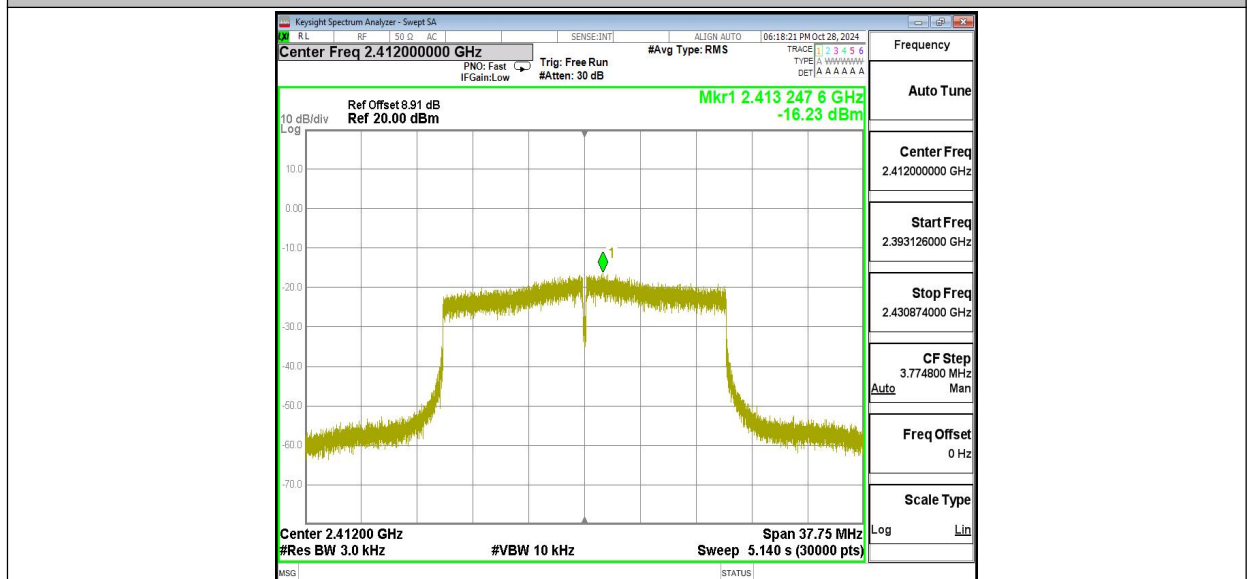
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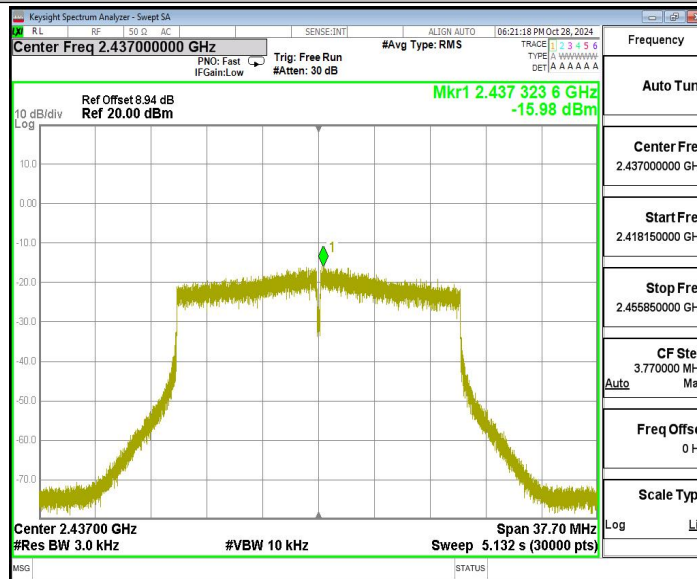
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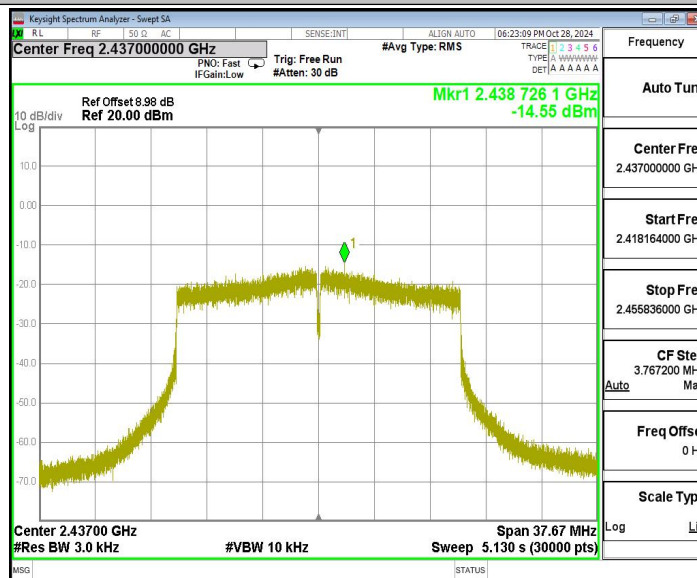
11AX20MIMO_Ant9_2412



11AX20MIMO_Ant8_2437



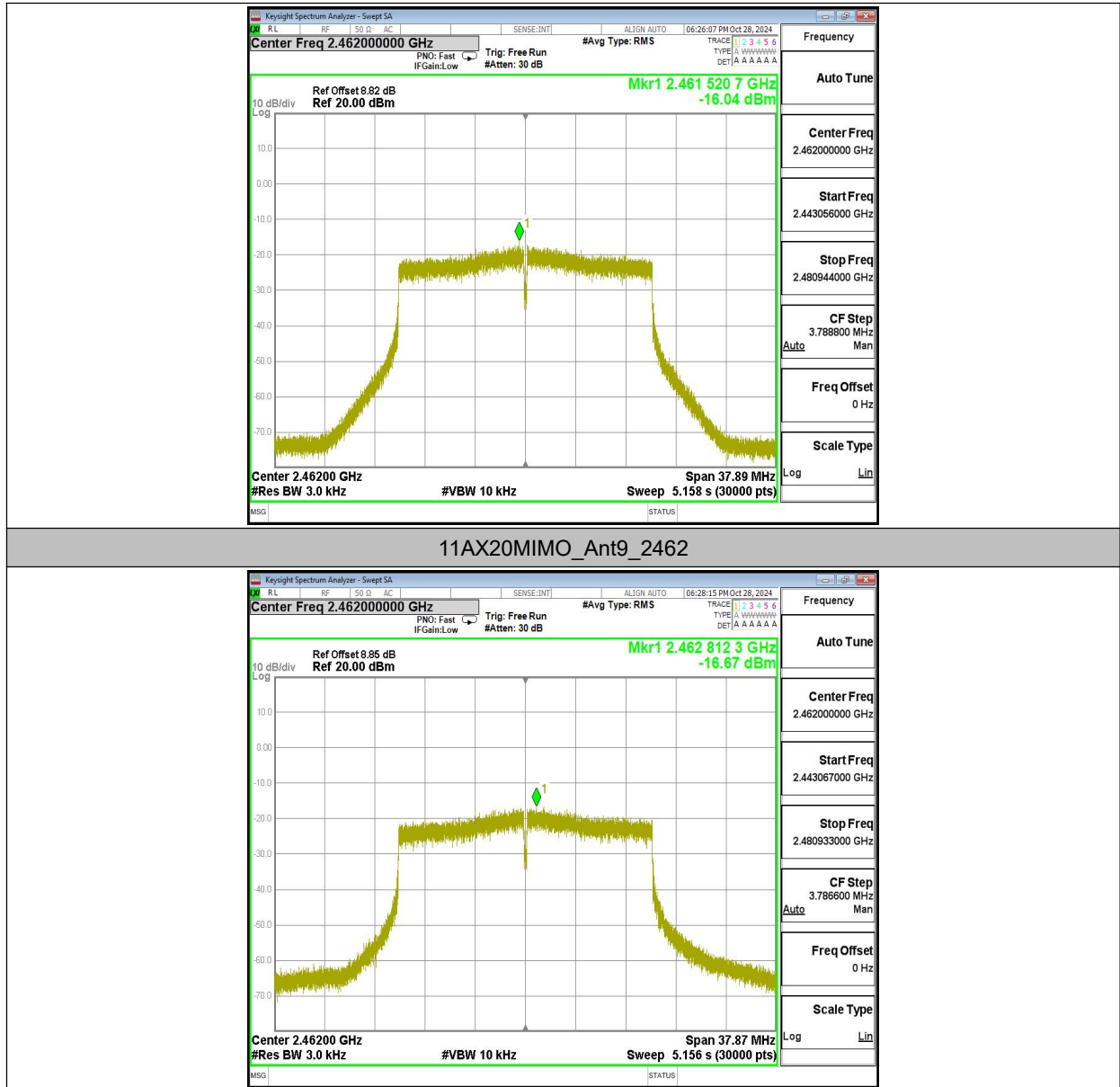
11AX20MIMO_Ant9_2437



11AX20MIMO_Ant8_2462



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A.3 6dB Bandwidth

Method of Measurement: See ANSI C63.10-clause 11.8.

Measurement Limit:

Standard	Limit (MHz)
FCC 47 CFR Part 15.247 (a) & RSS-247 section 5.2	≥ 0.5

Measurement Result:

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant8	2412	8.080	2407.960	2416.040	0.5	PASS
	Ant9	2412	7.160	2408.440	2415.600	0.5	PASS
	Ant8	2437	8.040	2433.000	2441.040	0.5	PASS
	Ant9	2437	7.160	2433.440	2440.600	0.5	PASS
	Ant8	2462	7.080	2458.480	2465.560	0.5	PASS
	Ant9	2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant8	2412	15.600	2404.240	2419.840	0.5	PASS
	Ant9	2412	10.680	2408.880	2419.560	0.5	PASS
	Ant8	2437	15.680	2429.240	2444.920	0.5	PASS
	Ant9	2437	16.080	2428.840	2444.920	0.5	PASS
	Ant8	2462	16.320	2453.840	2470.160	0.5	PASS
	Ant9	2462	14.400	2455.400	2469.800	0.5	PASS
11N20	Ant8	2412	16.040	2404.120	2420.160	0.5	PASS
	Ant9	2412	15.960	2404.440	2420.400	0.5	PASS
	Ant8	2437	17.160	2428.240	2445.400	0.5	PASS
	Ant9	2437	14.040	2430.480	2444.520	0.5	PASS
	Ant8	2462	15.040	2454.520	2469.560	0.5	PASS
	Ant9	2462	16.360	2454.400	2470.760	0.5	PASS
11N40	Ant8	2422	35.040	2404.480	2439.520	0.5	PASS
	Ant9	2422	34.480	2405.680	2440.160	0.5	PASS
	Ant8	2437	33.840	2419.480	2453.320	0.5	PASS
	Ant9	2437	30.640	2419.480	2450.120	0.5	PASS
	Ant8	2452	35.280	2434.240	2469.520	0.5	PASS
	Ant9	2452	36.320	2433.840	2470.160	0.5	PASS
11AX20	Ant8	2412	10.840	2408.680	2419.520	0.5	PASS
	Ant9	2412	18.480	2402.920	2421.400	0.5	PASS
	Ant8	2437	17.560	2427.760	2445.320	0.5	PASS
	Ant9	2437	18.400	2427.760	2446.160	0.5	PASS
	Ant8	2462	17.680	2453.480	2471.160	0.5	PASS
	Ant9	2462	17.760	2453.480	2471.240	0.5	PASS
11AX40	Ant8	2422	35.120	2404.480	2439.600	0.5	PASS

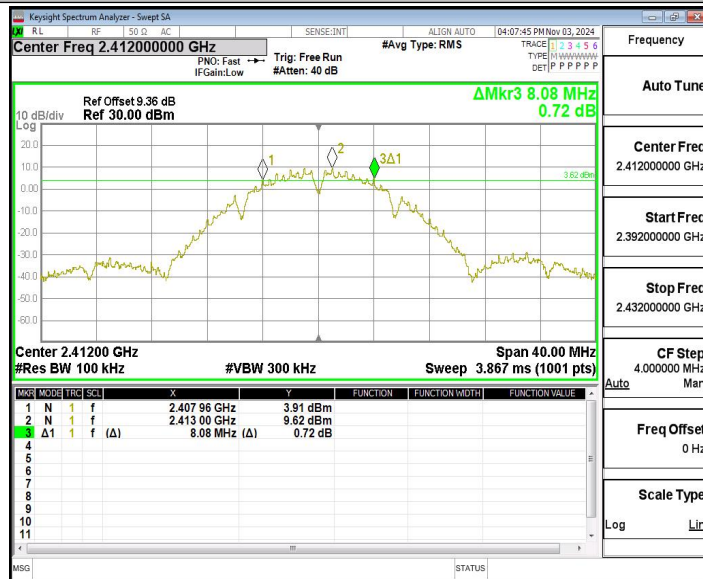


Ant9	2422	27.440	2413.040	2440.480	0.5	PASS
Ant8	2437	31.360	2419.480	2450.840	0.5	PASS
Ant9	2437	35.840	2419.320	2455.160	0.5	PASS
Ant8	2452	37.840	2432.960	2470.800	0.5	PASS
Ant9	2452	37.840	2433.120	2470.960	0.5	PASS

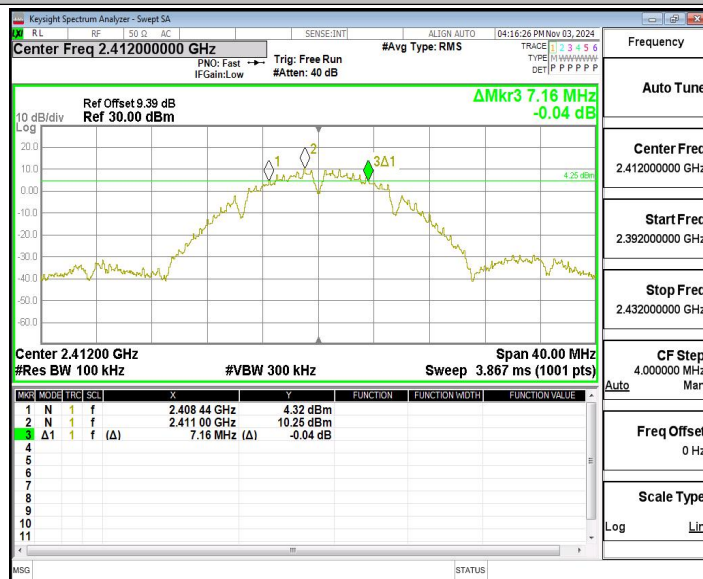
See below for test graphs.

Conclusion: PASS

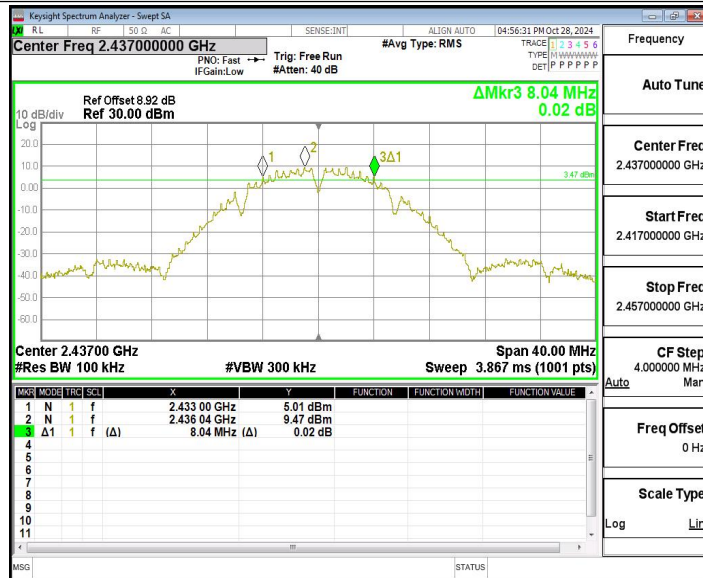
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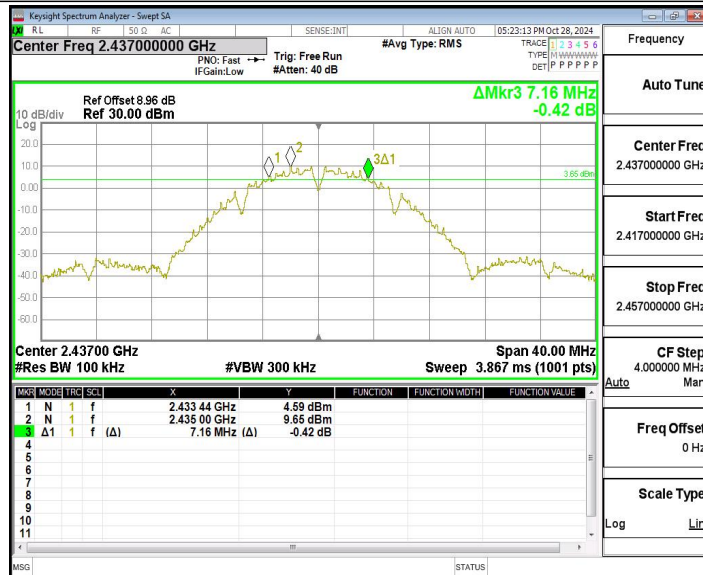
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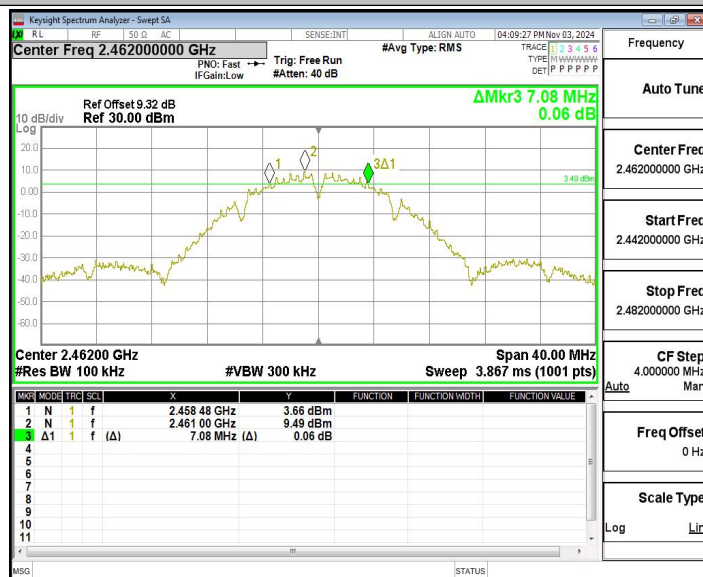
11B_Ant8_2437



11B_Ant9_2437



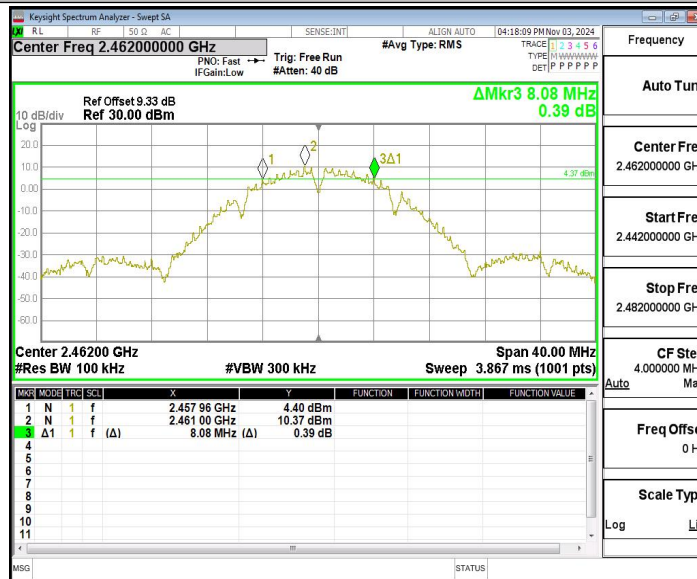
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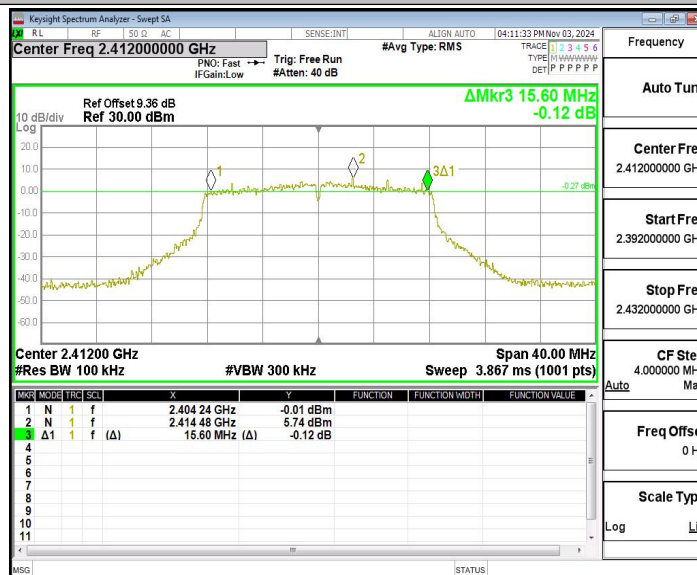


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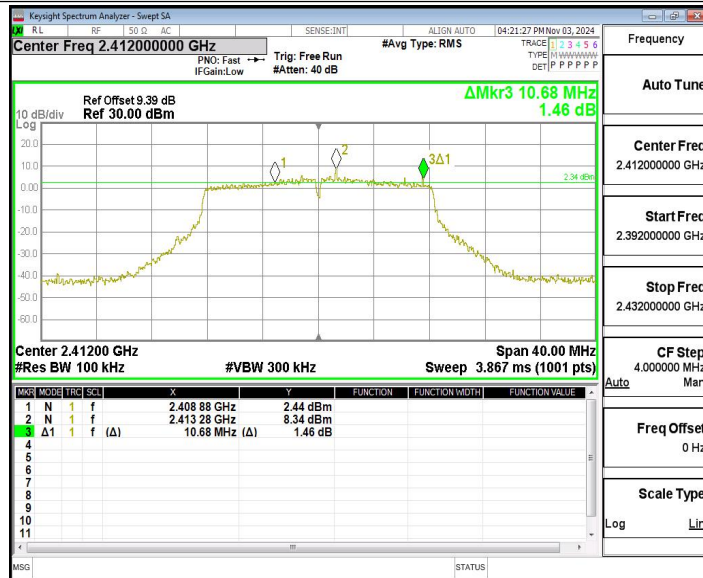
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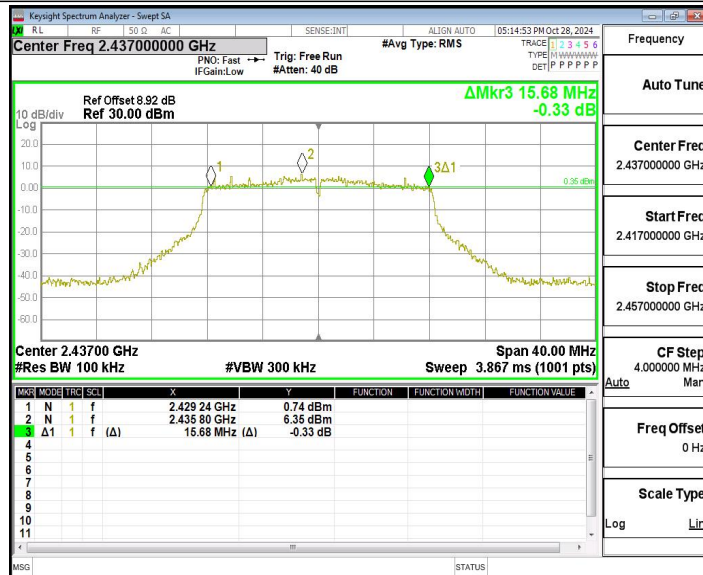
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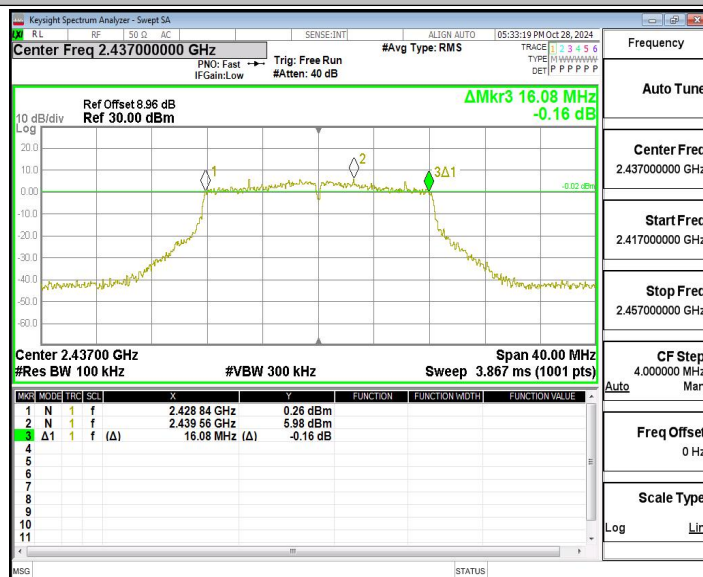
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11G_Ant8_2437

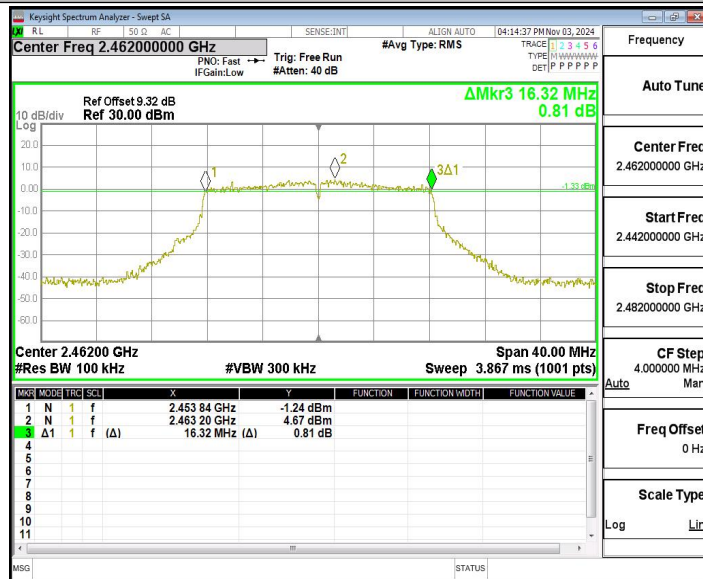


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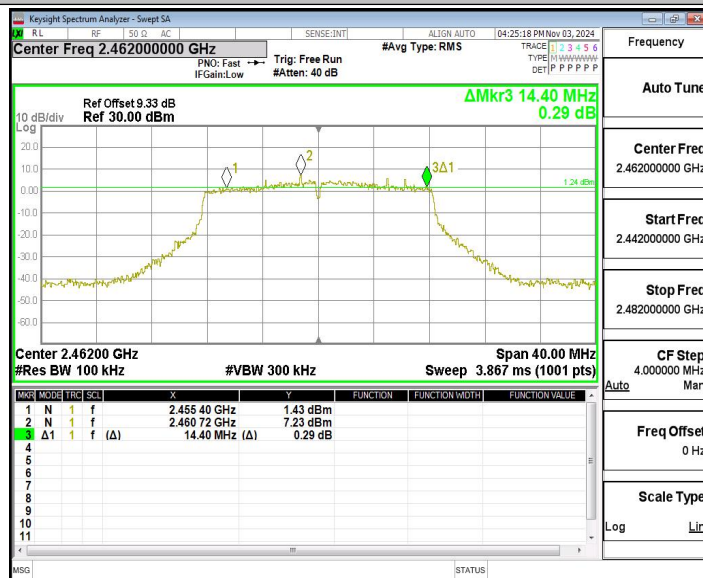




11G_Ant8_2462



11G_Ant9_2462



11N20MIMO_Ant8_2412