

TEST REPORT

Applicant: Imin Technology Pte Ltd
EUT Description: POS Device
Model: I25M02
Brand: iMin
FCC ID: 2AYD5-I25M02
Standards: FCC 47 CFR Part 15 Subpart E
Date of Receipt: 2026/03/11
Date of Test: 2026/03/11 to 2026/04/29
Date of Issue: 2026/04/29

TOWE. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

the results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. without written approval of TOWE, the test report shall not be reproduced except in full.



Jim Huang
Approved By:



Carey Chen
Reviewed By:

Revision History

Rev.	Issue Date	Description	Revised by
01	2026/04/29	Original	Carey Chen

Summary of Test Results

Clause	FCC Part	Test Items	Result
4.1	§15.203	Antenna Requirement	PASS
4.2	§15.407g	Frequency Stability	---
4.3	§15.207	AC Power Line Conducted Emission	PASS
4.4	§15.407a(8)	Maximum e.i.r.p. Output Power	PASS
4.5	§15.407a(8)	Maximum Power Spectral Density	PASS
4.6	§15.407a(10)	Emission Bandwidth	PASS
4.7	§2.1049	99% Occupied Bandwidth	Reporting purposes only
4.8	§15.407b(7)	In-Band Emissions (Channel Mask)	PASS
4.9	§15.407d(6)	Contention Based Protocol	PASS
4.10	§15.407b(6) §15.205 §15.209	Unwanted Emissions	PASS

Test Method:

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024.

KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

KDB 987594 D01 U-NII 6GHz General Requirements v01r02.

KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01.

Remark: Pass is EUT meets standard requirements.

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1 General Description

1.1 Lab Information

1.1.1 Testing Location

These measurements tests were conducted at the Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. facility located at F401 and F101, Building E, Hongwei Industrial Zone, Liuxian 3rd Road, Bao'an District, Shenzhen, China. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014

Tel.: +86-755-27212361

Contact Email: info@towewireless.com

1.1.2 Test Facility / Accreditations

A2LA (Certificate Number: 7088.01)

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

FCC Designation No.: CN1353

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized as an accredited testing laboratory.

Test Firm Registration Number: 684095

Designation Number: CN1353.

ISED CAB identifier: CN0152

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0152

Company Number: 31000

1.2 Client Information

1.2.1 Applicant

Applicant:	Imin Technology Pte Ltd
Address:	11 Bishan street 21 #03-05 Singapore 573943

1.2.2 Manufacturer

Manufacturer:	Imin Technology Pte Ltd
Address:	11 Bishan street 21 #03-05 Singapore 573943

1.3 Product Information

EUT Description:	POS Device		
Model No.:	I25M02		
Brand:	iMin		
Hardware Version:	N/A		
Software Version:	N/A		
SN:	RF Conducted	NMR151NLENGG00002	
	RSE & AC power line	NMR151NHENGG00013	
Modulation Type:	802.11ac:	OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM	
	802.11ax:	OFDM/OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM	
Smart System:	☐ SISO:	802.11ac/ax	/
	☒ MIMO	802.11ac/ax	(2)TX(2)RX
Device Type:	☒ LPI device	☐ VLP device	
Classification:	☒ Low power Indoor Client(6XD) ☐ Low power Indoor Access points(6ID) ☐ Subordinate device(6PP) ☐ Low power Dual Client(6CD)		
Frequency Range:	U-NII-5:	5925 ~ 6425 MHz	
	U-NII-6:	6425 ~ 6525 MHz	
	U-NII-7:	6525 ~ 6875 MHz	
	U-NII-8:	6875 ~ 7125 MHz	
Antenna Type:	☐ External, ☒ Integrated		
Antenna Gain:	Frequency Range	Ant1(dBi)	Ant2(dBi)
	5925 ~ 6425 MHz:	3.52	3.52
	6425 ~ 6525 MHz:	2.86	2.86
	6525 ~ 6875 MHz:	2.77	2.77
	6875 ~ 7125 MHz:	3.71	3.71
Remark: The above EUT's information was declared by applicant, please refer to the specifications or user's manual for more detailed description.			

2 Test Configuration

2.1 Test Channel

In section 15.31(m), regards to the operating frequency range over 10 MHz, the selected channel see below:

Frequency Channels for U-NII-5		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH1)	5955MHz
	The channel (CH45)	6175MHz
	The channel (CH93)	6415MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH3)	5965MHz
	The channel (CH43)	6165MHz
	The channel (CH91)	6405MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH7)	5985MHz
	The channel (CH39)	6145MHz
	The channel (CH87)	6385MHz
Modulation Type	Test Channel	Test Frequency
802.11ac160/ax160	The channel (CH15)	6025MHz
	The channel (CH47)	6185MHz
	The channel (CH79)	6345MHz

Frequency Channels for U-NII-6		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH97)	6435MHz
	The channel (CH105)	6475MHz
	The channel (CH113)	6515MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH99)	6445MHz
	The channel (CH107)	6485MHz
	The channel (CH115)	6525MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH103)	6465MHz
Modulation Type	Test Channel	Test Frequency
802.11ac160/ax160	The channel (CH111)	6505MHz

Frequency Channels for U-NII-7		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH117)	6535MHz
	The channel (CH149)	6695MHz
	The channel (CH181)	6855MHz
	The channel (CH185)	6875MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH123)	6565MHz
	The channel (CH147)	6685MHz
	The channel (CH179)	6845MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH119)	6545MHz
	The channel (CH135)	6625MHz
	The channel (CH151)	6705MHz
	The channel (CH167)	6785MHz
	The channel (CH183)	6865MHz
Modulation Type	Test Channel	Test Frequency
802.11ac160/ax160	The channel (CH143)	6665MHz
	The channel (CH175)	6825MHz

Frequency Channels for U-NII-8		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH189)	6895MHz
	The channel (CH209)	6995MHz
	The channel (CH233)	7115MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH187)	6885MHz
	The channel (CH195)	6925MHz
	The channel (CH203)	6965MHz
	The channel (CH227)	7085MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH199)	6945MHz
	The channel (CH215)	7025MHz
Modulation Type	Test Channel	Test Frequency
802.11ac160/ax160	The channel (CH207)	6985MHz

Straddle Channel		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH185)	6875MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH115)	6525MHz
	The channel (CH187)	6885MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH119)	6545MHz
	The channel (CH183)	6865MHz
Modulation Type	Test Channel	Test Frequency
802.11ac160/ax160	The channel (CH111)	6505MHz
	The channel (CH175)	6825MHz

2.2 Worst-case configuration and Mode

Modulation Type	SISO - Data Rate	MIMO(2)TX(2)RX Data Rate
802.11ac20	N/A	MCS0 (13 Mbps)
802.11ac40	N/A	MCS0 (27 Mbps)
802.11ac80	N/A	MCS0 (58.5 Mbps)
802.11ac160	N/A	MCS0 (117 Mbps)
802.11ax20	N/A	MCS0 (17.2 Mbps)
802.11ax40	N/A	MCS0 (34.4 Mbps)
802.11ax80	N/A	MCS0 (72.1 Mbps)
802.11ax160	N/A	MCS0 (144.1 Mbps)
Transmitting mode:	Keep the EUT was programmed to be in continuously transmitting mode.	
Normal Link:	Keep the EUT operation to normal function.	

2.3 Support Unit used in test

Description	Manufacturer	Model	Serial Number
Router	MSI	RadiX AXE6600	3028ZD00UU00010231000818
Coupler	Qotana	DBPD0200001800C	22122900036
Variable Att	Tonscend	JS0806-2	23C80620671

2.4 Test Environment

Temperature:	Normal: 15°C ~ 35°C
Humidity:	45 ~ 56 % RH Ambient
Voltage:	DC 9V
AC Voltage:	AC 120V/60Hz for Conducted Emissions
Remark: The testing environment is within the scope of the EUT user manual and meets the requirements of the standard testing environment.	

2.5 Test RF Cable

For all conducted test items: The offset level is set spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

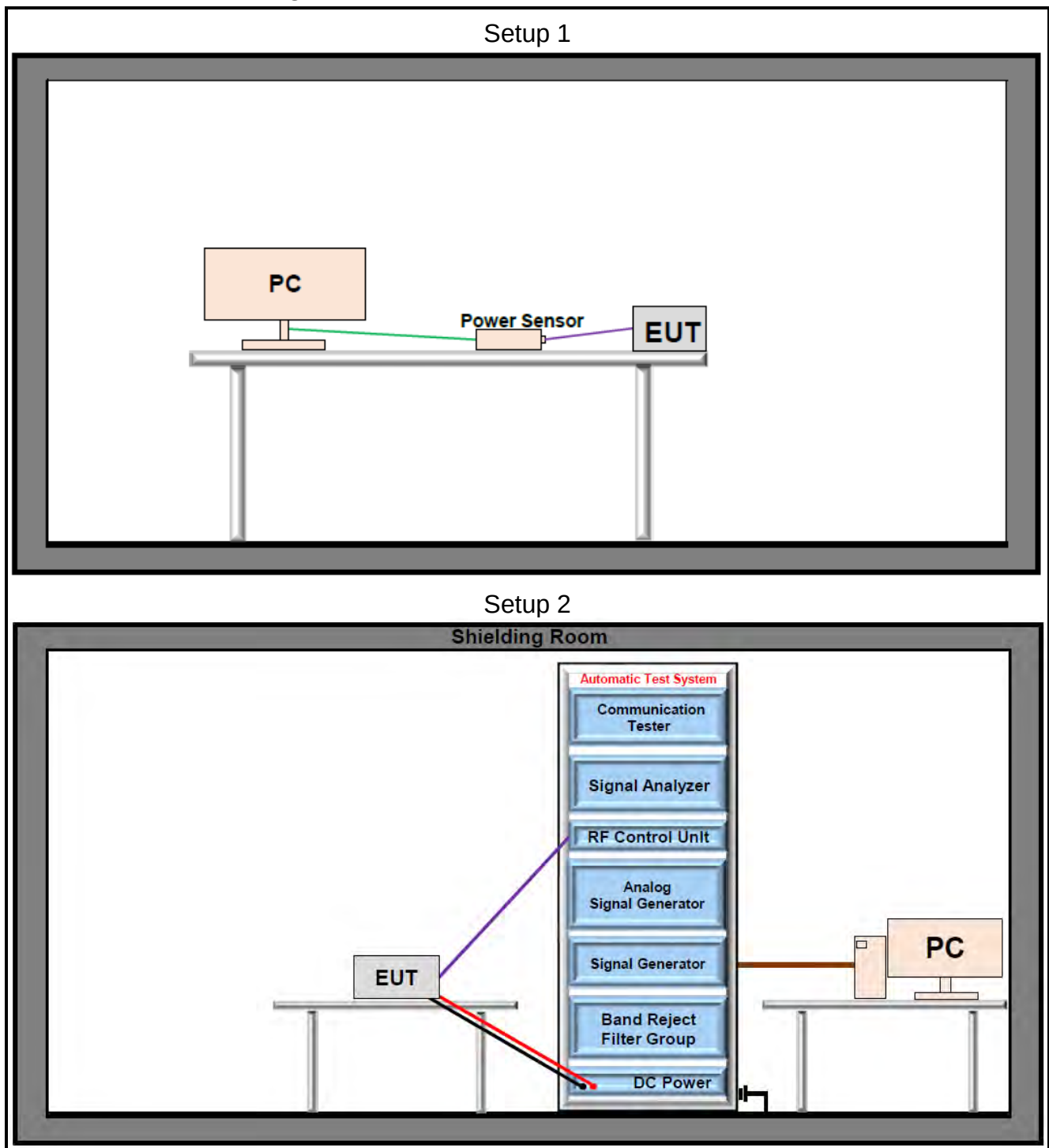
Offset = RF cable loss + attenuator factor.

2.6 Modifications

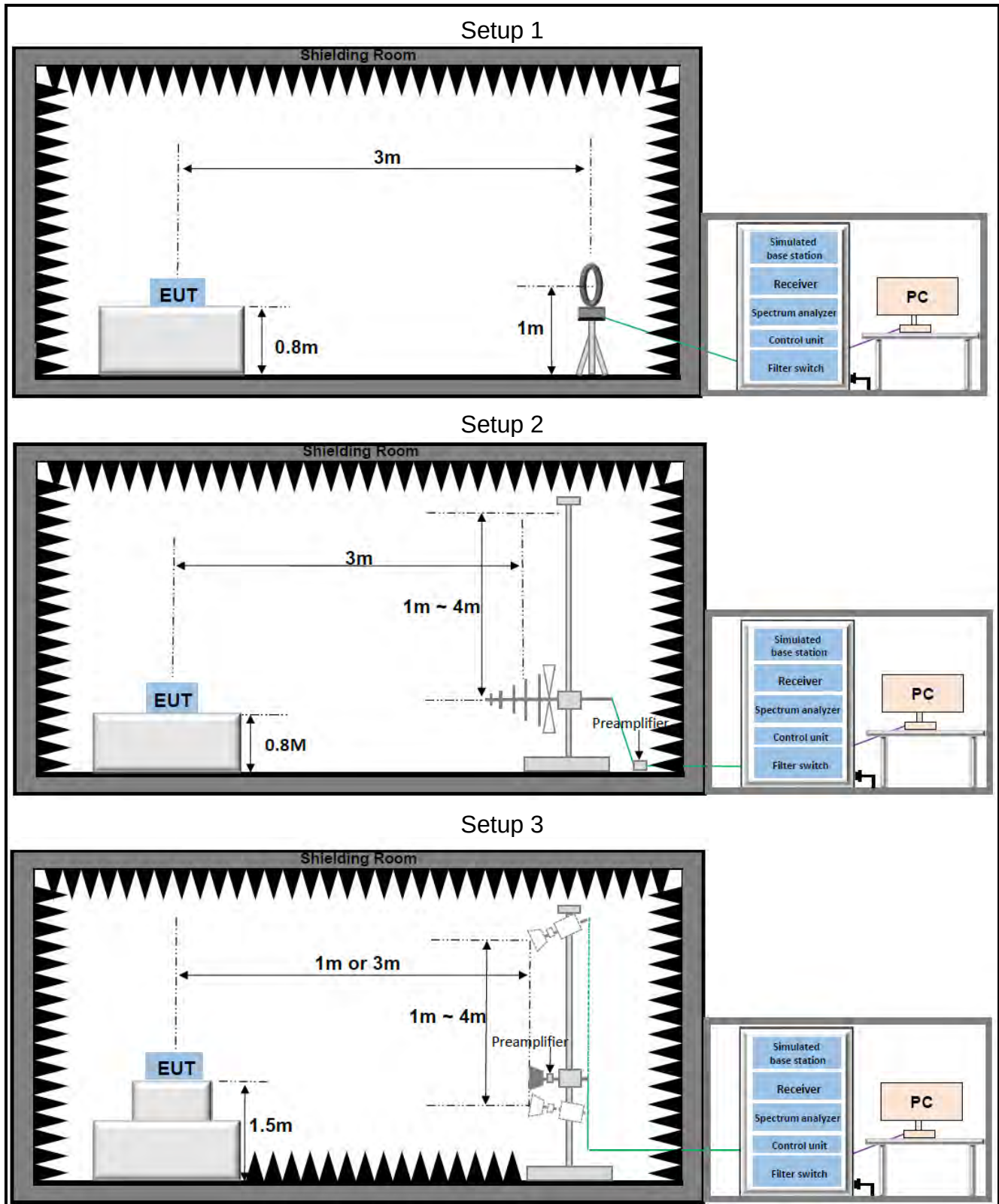
No modifications were made during testing.

2.7 Test Setup Diagram

2.7.1 Conducted Configuration



2.7.2 Radiated Configuration



Directional gain calculations:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

If all antennas have the same gain, G_{ANT} , Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices

$$\text{Array Gain} = 10 \log(N_{ANT}/N_{SS}=1) \text{ dB}$$

- For power measurements on IEEE 802.11 devices:

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for } N_{ANT} \leq 4;$$

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for channel widths } \geq 40 \text{ MHz for any } N_{ANT};$$

$$\text{Array Gain} = 5 \log(N_{ANT}/N_{SS}=1) \text{ dB or } 3 \text{ dB, whichever is less, for 20-MHz channel widths with } N_{ANT} \geq 5.$$

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Unequal antenna gains, with equal transmit powers. For antenna gains given by $G_1, G_2, \dots, G_N$ dBi

- If transmit signals are correlated, then

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]}$$

- If all transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

The Power and PSD limit should be modified if the directional gain of EUT is over 6dBi.

The EUT supports CDD System.

Transmit signals are completely correlated				
Operation Band	ANT Gain1 (dBi)	ANT Gain2 (dBi)	Directional gain For Power (dBi)	Directional gain For PSD (dBi)
5925 ~ 6425 MHz	3.52	3.52	3.52	6.53
6425 ~ 6525 MHz	2.86	2.86	2.86	5.87
6525 ~ 6875 MHz	2.77	2.77	2.77	5.78
6875 ~ 7125 MHz	3.71	3.71	3.71	6.72

3 Equipment and Measurement Uncertainty

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, whichever is less, and where applicable is traceable to recognized national standards.

3.1 Test Equipment List

RF Conducted					
Description	Manufacturer	Model	S.N.	Last Due	Cal Due
Signal Analyzer	Keysight	N9020A	US46470429	2026/03/05	2027/03/04
Signal Generator	R&S	SMR20	101027	2026/03/05	2027/03/04
Vector Signal Generator	R&S	SMM100A	549353	2025/05/29	2026/05/28
Power Sensor	Anritsu	MA24408A	12520	2025/05/29	2026/05/28
RF Control Unit	Tonscend	JS0806-2	23C80620671	2025/05/29	2026/05/28
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2025/05/29	2026/05/28
Attenuator	Yin Saige	SMA-10dBm	N/A	N/A	N/A
Measurement Software	Tonscend	TS1120-3	10659	N/A	N/A

Radiated Emission					
Description	Manufacturer	Model	S.N.	Last Due	Cal Due
Double-Ridged Horn Antennas	Tonscend	HA32-18	806HA003608251015	2025/12/13	2028/12/12
Biconic Logarithmic Periodic Antennas	Tonscend	BLA32-30	80SBLA001011251010	2025/12/13	2028/12/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	1290	2023/06/25	2026/06/24
Loop Antenna	Schwarzbeck	FMZB 1519C	1519C-028	2023/06/29	2026/06/28
Signal Analyzer	Keysight	N9020A	MY57120015	2026/01/19	2028/01/18
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2025/05/29	2026/05/28
EMI Tester Receiver	Rohde & Schwarz	ESR7	102719	2025/05/29	2026/05/28
Low Noise Amplifier	Tonscend	TAP9K3G40	806JSAP044710251054	2026/01/19	2028/01/18
Low Noise Amplifier	Tonscend	TAP01018050	806JSAF044509251052	2026/01/19	2028/01/18
Low Noise Amplifier	Tonscend	TAP18040048	AP22G806247	2025/03/11	2027/03/10
Hygrometer	BINGYU	HTC-1	N/A	2025/07/25	2026/07/24
Radio Frequency Switch	Townshend	JS0806s	806JSSX019811251028	N/A	N/A
Test Software	Tonscend	TS+	Version: 5.0.0	N/A	N/A

Conducted Emission					
Description	Manufacturer	Model	S.N.	Last Due	Cal Due
EMI Tester Receiver	Rohde & Schwarz	ESR3	103108	2025/05/29	2026/05/28
LISN	Rohde & Schwarz	ENV 216	102836	2026/01/19	2027/01/18
Test software	Rohde & Schwarz	ELEKTRA V4.61	N/A	N/A	N/A

3.2 Measurement Uncertainty

Parameter	U _{lab}
Frequency Error	679.98Hz
Output Power	0.76dB
Conducted Spurious Emissions	2.22dB
Conducted Emissions(150kHz~30MHz)	2.43dB
Radiated Emissions(9kHz~30MHz)	2.40dB
Radiated Emissions(30MHz~1000MHz)	4.66dB
Radiated Emissions(1GHz~18GHz)	5.42dB
Radiated Emissions(18GHz~40GHz)	5.46dB

Uncertainty figures are valid to a confidence level of 95%

4 Test Results

4.1 Antenna Requirement

Standard Applicable:	47 CFR Part 15E Section 15.203
15.203 requirement: 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, 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.	
The antenna gain and type as provided by the manufacturer are as follows: The antenna Type is Integrated. With Antenna gain is 5925 ~ 6425 MHz: 3.52dBi(Ant1); 3.52dBi(Ant2); 6425 ~ 6525 MHz: 2.86dBi(Ant1); 2.86dBi(Ant2); 6525 ~ 6875 MHz: 2.77dBi(Ant1); 2.77dBi(Ant2); 6875 ~ 7125 MHz: 3.71dBi(Ant1); 3.71dBi(Ant2); Antenna Anti-Replacement Construction: An embedded-in antenna design is used.	

4.2 Frequency Stability

Standard Applicable:	47 CFR Part 15E Section 15.407(g)
Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.	

4.3 AC Power Line Conducted Emissions

Limits

Frequency range (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

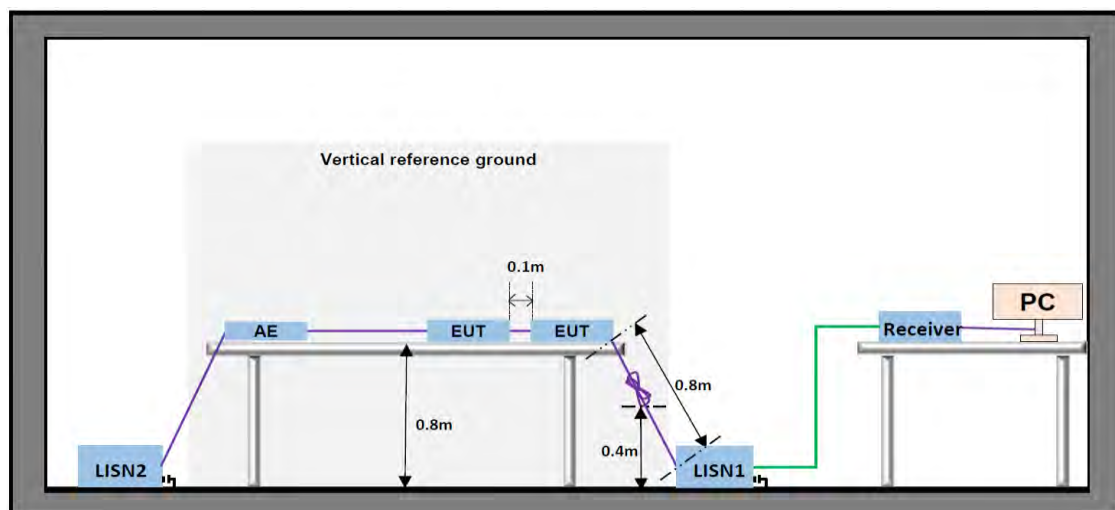
Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, Section 6.2.

Test Settings

1. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
2. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
3. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
4. Set the test-receiver system to Peak detect function and specified bandwidth (if bandwidth =9kHz) with maximum hold mode. Then measurement is also conducted by average detector and Quasi-Peak detector function respectively.
5. Both sides of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Test Setup

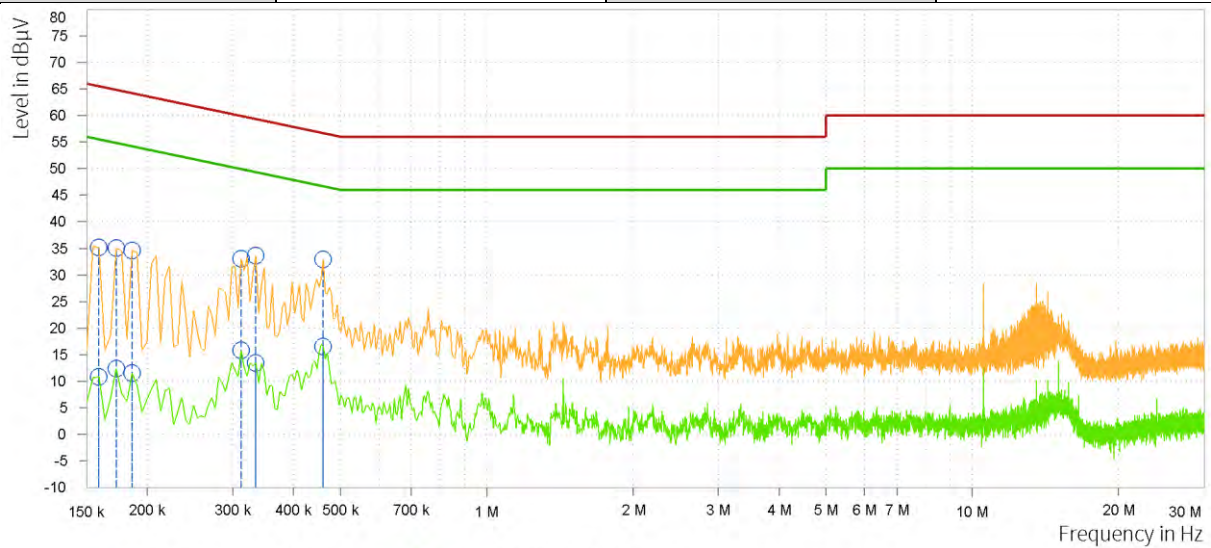


Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result:

Test mode:	6E WIFI		
Test Voltage:	AC 120V / 60Hz	Phase:	Line



○ AVG Level @CriticalPoint √ AVG Limit @FCC Part 15.407
 √ AVG Level @Spectrum Overview √ QPK Limit @FCC Part 15.407
 ○ PK+ Level @CriticalPoint
 √ PK+ Level @Spectrum Overview

Rg	Frequency [MHz]	PK+ Level [dBμV]	PK+: QPK Limit [dBμV]	PK+ Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line
1	0.159	35.17	65.52	30.35	10.82	55.52	44.70	9.51	L1
2	0.173	35.01	64.84	29.83	12.37	54.84	42.47	9.53	L1
3	0.186	34.56	64.21	29.66	11.47	54.21	42.74	9.54	L1
4	0.312	33.04	59.92	26.87	15.81	49.92	34.11	9.80	L1
5	0.335	33.63	59.34	25.71	13.39	49.34	35.95	9.78	L1
6	0.461	32.93	56.68	23.75	16.52	46.68	30.17	9.88	L1

Note:

- The following Quasi-Peak and Average measurements were performed on the EUT:
- $\text{Margin[dB]} = \text{Limit[dB}\mu\text{V]} - \text{Level[dB}\mu\text{V]}$



Rg	Frequency [MHz]	PK+ Level [dBμV]	PK+: QPK Limit [dBμV]	PK+ Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line
1	0.164	35.30	65.28	29.99	14.77	55.28	40.51	9.61	N
2	0.182	34.52	64.42	29.90	12.29	54.42	42.12	9.62	N
3	0.200	33.55	63.63	30.08	12.20	53.63	41.43	9.62	N
4	0.398	29.16	57.91	28.75	15.15	47.91	32.76	9.89	N
5	0.461	29.60	56.68	27.08	19.31	46.68	27.37	9.84	N
6	0.731	24.15	56.00	31.85	8.91	46.00	37.09	9.95	N

Note:

- The following Quasi-Peak and Average measurements were performed on the EUT:
- $\text{Margin[dB]} = \text{Limit[dB}\mu\text{V]} - \text{Level[dB}\mu\text{V]}$

4.4 Maximum e.i.r.p. Output Power

Limits

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 12.4.2(Straddle Channel) &12.4.3.2(Other Channel).

Test Settings

1. PM-G:
Set to the maximum power setting and enable the EUT transmit continuously.
The power output was measured on the EUT antenna port using RF Cable with an attenuator connected to a power sensor. Output power was read directly from the power sensor.
Measure and record the results in the test report.
2. SA:
RBW = 1MHz
VBW $\geq$ 3MHz
Span = Encompass the EBW (or, alternatively, the entire 99% occupied bandwidth)
Sweep = Auto
Detector = power averaging (rms)

Test Setup

Refer to section 2.7.1- Setup 1 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.5 Maximum Power Spectral Density

Limits

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.F

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously
2. The transmitter output is connected to a spectrum analyzer
3. RBW = 1MHz
4. VBW $\geq$ 3 times RBW
5. Sweep = Auto
6. Detector = RMS
7. Trace = Max hold
8. The trace was allowed to stabilize
9. Measure and record the results in the test report.

Test Setup

Refer to section 2.7.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.6 Emission Bandwidth

Limits

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.C.1.

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The transmitter output is connected to a spectrum analyzer:
3. RBW = 1% - 5%(99%BW)
4. VBW = 3 times the RBW
5. Sweep = Auto
6. Detector = Peak
7. Trace = Max hold
8. The trace was allowed to stabilize
9. Measure and record the results in the test report.

Test Notes

The signal analyzers' automatic bandwidth measurement capability of the spectrum analyzer was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to X= 26. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.

Test Setup

Refer to section 2.7.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.7 Occupied Bandwidth

Limits

None, for reporting purposes only.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.D.

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The transmitter output is connected to a spectrum analyzer:
3. RBW = 1% - 5%(99%BW)
4. VBW = 3 times the RBW
5. Sweep = Auto
6. Detector = Peak
7. Trace = Max hold
8. The trace was allowed to stabilize
9. Measure and record the results in the test report.

Test Setup

Refer to section 2.7.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.8 In-Band Emissions (Channel Mask)

Limits

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

Test Procedure

KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01 Section J.

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The transmitter output is connected to a spectrum analyzer:
3. Span = To encompass the entire 26 dB EBW of the signal.
4. RBW = Same RBW used for 26 dB EBW measurement.
5. VBW $\geq$ 3 times RBW.
6. Detector = RMS.
7. Sweep = Auto.
8. Point sweep $\geq$ 2 Span / RBW.
9. Trace = Max hold.
10. Trace average at least 100 traces in power averaging (rms) mode.
11. Use the peak search function on the instrument to find the peak of the spectrum.
12. Measure and record the results in the test report.

Test Setup

Refer to section 2.7.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.9 Contention Based Protocol

Limits

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm)¹. The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

BW_{EUT} : Transmission bandwidth of EUT signal.

BW_{Inc} : Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal).

f_{c1} : Center frequency of EUT transmission.

f_{c2} : Center frequency of simulated incumbent signal.

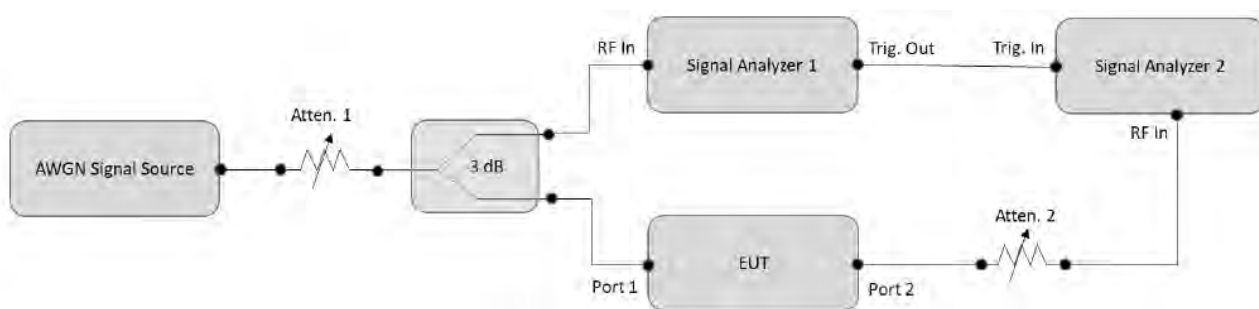
Test Procedure

KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01 Section I.

Test Settings

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EEUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
4. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
5. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
6. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
7. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
8. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
9. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
10. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

Test Setup



Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.10 Unwanted Emissions

Limits

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

Spurious emissions are permitted in an of the frequency bands:

MHz	MHz	MHz	MHz	GHz	GHz
0.090 - 0.110	12.29 - 12.293	149.9 - 150.05	1660 - 1710	4.5 - 5.15	14.47 - 14.5
0.495 - 0.505	12.51975 - 12.52025	156.52475 - 156.52525	1718.8 - 1722.2	5.35 - 5.46	15.35 - 16.2
2.1735 - 2.1905	12.5767 - 12.57725	156.7 - 156.9	2200 - 2300	7.25 - 7.75	17.7 - 21.4
4.125 - 128	13.36 - 13.41	162.0125 - 167.17	2310 - 2390	8.025 - 8.5	22.01 - 23.12
4.17725 - 4.17775	16.42 - 16.423	167.72 - 173.2	2483.5 - 2500	9.0 - 9.2	23.6 - 24.0
4.20725 - 4.20775	16.69475 - 16.69525	240 - 285	2655 - 2900	9.3 - 9.5	31.2 - 31.8
6.215 - 6.218	1680425 - 1680475	322 - 335.4	3260 - 3267	10.6 - 12.7	36.43 - 36.5
6.26775 - 6.26825	25.5 - 25.67	399.9 - 410	3332 - 3339	13.25 - 13.4	
6.31175 - 6.31225	37.5 - 38.25	608 - 614	3345.8 - 3358		
8.291 - 8.294	73 - 74.6	960 - 1240	3600 - 4400		
8.362 - 8.366	74.8 - 75.2	1300 - 1427			
8.37625 - 8.38675	108 - 121.94	1435 - 1626.5			
8.41425 - 8.41475	123 - 138	1645.5 - 1646.5			

Radiated disturbance of an intentional radiator:

Frequency	Field strength (μV/m)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	74.0	Peak	3
		54.0	Average	

Measurement methods

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 6.4 & 6.5 & 6.6.
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.G.3 ~ 6.

Test Settings

- For radiated emissions measurements performed at frequencies less than or equal to 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the reference ground plane.
- For radiated emissions measurements performed at frequencies above 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the ground plane.
- Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1m to 4m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e, field strength or received power), when orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25cm.
- For each suspected emission, the EUT was ranged its worst case and then tune the antenna tower(from 1~4m) and turntable(from 0~360°) find the maximum reading. Preamplicifier and a high pass filter are used for the test in order get better signal level comply with the guidelines.
- Set to the maximum power setting and enable the EUT transmit continuously.

6. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
7. spectrum analyzer setting:
Measurements Below 1000MHz: RBW = 120 kHz; VBW $\geq$ 300 kHz; Detector = Peak
Measurements Above 1000MHz: RBW = 1 MHz; VBW $\geq$ 3 MHz; Detector = Peak
Average Measurements Above 1000MHz:
RBW = 1 MHz, VBW $\geq$ 1/T, with peak detector for average measurements.
8. The field strength is calculated by adding the Antenna Factor, Cable Factor. The basic equation with a sample calculation is as follows:
Level = Reading(dB μ V) + Factor(dB):
Factor = Cable Factor(dB) + AF(dB/m) - Preamplifier gain(dB)
AF = Antenna Factor(dB/m)
Margin = Limit(dB μ V/m) – Level(dB μ V/m)
9. Repeat above procedures until all frequencies measured was complete.
10. Measure and record the results in the test report.

Test Notes

1. Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
2. Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. the disturbance between 9kHz to 30MHz and 18GHz to 40GHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded, so only the harmonics had been displayed.
3. These frequencies which near "-" should be ignored because they are Fundamental frequency.

Test Setup

Refer to section 2.7.2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

5 Test Setup Photos

The detailed test data see: **Appendix A - WIFI Setup Photos**

Appendix

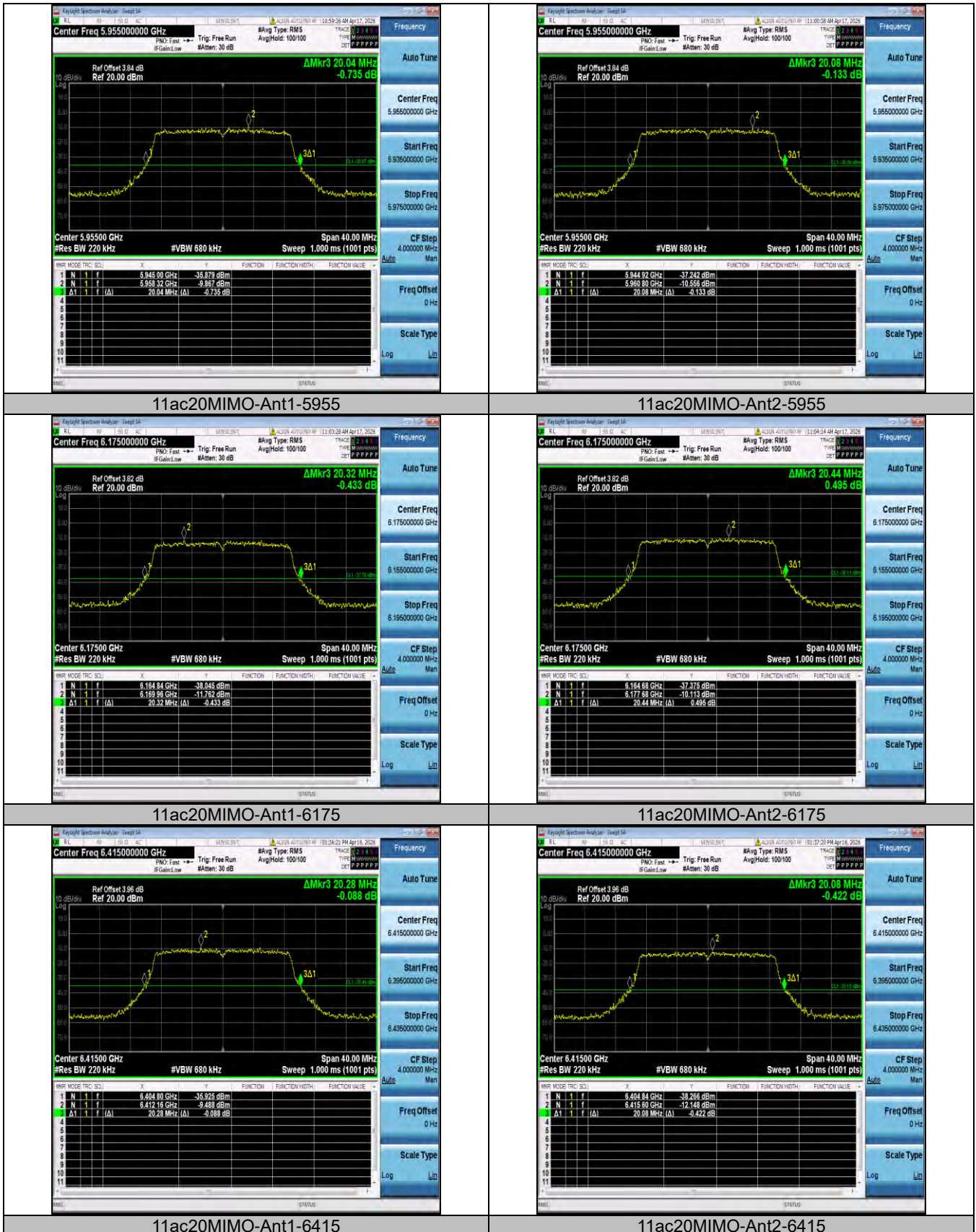
Emission Bandwidth Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11ac20MIMO	Ant1	5955	20.040	5945.000	5965.040	≤320	PASS
11ac20MIMO	Ant2	5955	20.080	5944.920	5965.000	≤320	PASS
11ac20MIMO	Ant1	6175	20.320	6164.840	6185.160	≤320	PASS
11ac20MIMO	Ant2	6175	20.440	6164.680	6185.120	≤320	PASS
11ac20MIMO	Ant1	6415	20.280	6404.800	6425.080	≤320	PASS
11ac20MIMO	Ant2	6415	20.080	6404.840	6424.920	≤320	PASS
11ac20MIMO	Ant1	6435	20.560	6424.720	6445.280	≤320	PASS
11ac20MIMO	Ant2	6435	20.400	6424.840	6445.240	≤320	PASS
11ac20MIMO	Ant1	6475	20.120	6464.880	6485.000	≤320	PASS
11ac20MIMO	Ant2	6475	20.080	6464.960	6485.040	≤320	PASS
11ac20MIMO	Ant1	6515	20.120	6504.800	6524.920	≤320	PASS
11ac20MIMO	Ant2	6515	20.600	6504.520	6525.120	≤320	PASS
11ac20MIMO	Ant1	6535	20.160	6524.880	6545.040	≤320	PASS
11ac20MIMO	Ant2	6535	20.280	6524.680	6544.960	≤320	PASS
11ac20MIMO	Ant1	6695	20.240	6684.720	6704.960	≤320	PASS
11ac20MIMO	Ant2	6695	20.080	6684.920	6705.000	≤320	PASS
11ac20MIMO	Ant1	6855	20.200	6845.000	6865.200	≤320	PASS
11ac20MIMO	Ant2	6855	20.200	6844.880	6865.080	≤320	PASS
11ac20MIMO	Ant1	6875	20.040	6865.000	6885.040	≤320	PASS
11ac20MIMO	Ant2	6875	20.160	6864.800	6884.960	≤320	PASS
11ac20MIMO	Ant1	6895	20.360	6884.760	6905.120	≤320	PASS
11ac20MIMO	Ant2	6895	20.360	6884.760	6905.120	≤320	PASS
11ac20MIMO	Ant1	6995	20.080	6985.040	7005.120	≤320	PASS
11ac20MIMO	Ant2	6995	20.320	6984.840	7005.160	≤320	PASS
11ac20MIMO	Ant1	7115	20.480	7104.840	7125.320	≤320	PASS
11ac20MIMO	Ant2	7115	19.920	7105.080	7125.000	≤320	PASS
11ac40MIMO	Ant1	5965	39.680	5945.320	5985.000	≤320	PASS
11ac40MIMO	Ant2	5965	39.680	5945.240	5984.920	≤320	PASS
11ac40MIMO	Ant1	6165	40.080	6145.080	6185.160	≤320	PASS
11ac40MIMO	Ant2	6165	38.880	6145.640	6184.520	≤320	PASS
11ac40MIMO	Ant1	6405	39.920	6385.000	6424.920	≤320	PASS
11ac40MIMO	Ant2	6405	39.360	6385.400	6424.760	≤320	PASS
11ac40MIMO	Ant1	6445	39.440	6425.160	6464.600	≤320	PASS
11ac40MIMO	Ant2	6445	39.200	6425.240	6464.440	≤320	PASS
11ac40MIMO	Ant1	6485	39.760	6465.000	6504.760	≤320	PASS
11ac40MIMO	Ant2	6485	39.520	6465.320	6504.840	≤320	PASS
11ac40MIMO	Ant1	6525	39.680	6505.080	6544.760	≤320	PASS
11ac40MIMO	Ant2	6525	40.000	6504.840	6544.840	≤320	PASS
11ac40MIMO	Ant1	6565	39.520	6545.160	6584.680	≤320	PASS
11ac40MIMO	Ant2	6565	39.360	6545.320	6584.680	≤320	PASS
11ac40MIMO	Ant1	6685	39.760	6664.920	6704.680	≤320	PASS
11ac40MIMO	Ant2	6685	39.760	6665.160	6704.920	≤320	PASS
11ac40MIMO	Ant1	6845	39.520	6825.160	6864.680	≤320	PASS
11ac40MIMO	Ant2	6845	39.360	6825.240	6864.600	≤320	PASS
11ac40MIMO	Ant1	6885	39.600	6865.080	6904.680	≤320	PASS
11ac40MIMO	Ant2	6885	39.200	6865.400	6904.600	≤320	PASS
11ac40MIMO	Ant1	6925	39.360	6905.160	6944.520	≤320	PASS
11ac40MIMO	Ant2	6925	39.840	6905.240	6945.080	≤320	PASS
11ac40MIMO	Ant1	6965	39.840	6944.760	6984.600	≤320	PASS
11ac40MIMO	Ant2	6965	39.440	6945.320	6984.760	≤320	PASS
11ac40MIMO	Ant1	7085	39.600	7065.160	7104.760	≤320	PASS
11ac40MIMO	Ant2	7085	39.040	7065.480	7104.520	≤320	PASS
11ac80MIMO	Ant1	5985	81.920	5944.200	6026.120	≤320	PASS
11ac80MIMO	Ant2	5985	80.800	5944.520	6025.320	≤320	PASS
11ac80MIMO	Ant1	6145	82.240	6103.880	6186.120	≤320	PASS
11ac80MIMO	Ant2	6145	81.280	6104.200	6185.480	≤320	PASS
11ac80MIMO	Ant1	6385	81.600	6344.040	6425.640	≤320	PASS

11ac80MIMO	Ant2	6385	81.920	6344.040	6425.960	≤320	PASS
11ac80MIMO	Ant1	6465	81.920	6424.040	6505.960	≤320	PASS
11ac80MIMO	Ant2	6465	81.600	6424.520	6506.120	≤320	PASS
11ac80MIMO	Ant1	6545	81.120	6504.200	6585.320	≤320	PASS
11ac80MIMO	Ant2	6545	81.440	6504.360	6585.800	≤320	PASS
11ac80MIMO	Ant1	6625	81.920	6583.880	6665.800	≤320	PASS
11ac80MIMO	Ant2	6625	82.240	6584.040	6666.280	≤320	PASS
11ac80MIMO	Ant1	6705	81.920	6663.720	6745.640	≤320	PASS
11ac80MIMO	Ant2	6705	80.800	6664.680	6745.480	≤320	PASS
11ac80MIMO	Ant1	6785	81.440	6744.360	6825.800	≤320	PASS
11ac80MIMO	Ant2	6785	82.080	6744.200	6826.280	≤320	PASS
11ac80MIMO	Ant1	6865	81.600	6823.880	6905.480	≤320	PASS
11ac80MIMO	Ant2	6865	81.600	6824.040	6905.640	≤320	PASS
11ac80MIMO	Ant1	6945	81.920	6904.040	6985.960	≤320	PASS
11ac80MIMO	Ant2	6945	81.920	6904.200	6986.120	≤320	PASS
11ac80MIMO	Ant1	7025	82.080	6984.040	7066.120	≤320	PASS
11ac80MIMO	Ant2	7025	81.440	6984.200	7065.640	≤320	PASS
11ac160MIMO	Ant1	6025	164.160	5943.080	6107.240	≤320	PASS
11ac160MIMO	Ant2	6025	163.200	5943.400	6106.600	≤320	PASS
11ac160MIMO	Ant1	6185	164.160	6103.080	6267.240	≤320	PASS
11ac160MIMO	Ant2	6185	164.800	6102.760	6267.560	≤320	PASS
11ac160MIMO	Ant1	6345	164.160	6262.760	6426.920	≤320	PASS
11ac160MIMO	Ant2	6345	164.160	6262.760	6426.920	≤320	PASS
11ac160MIMO	Ant1	6505	164.480	6422.760	6587.240	≤320	PASS
11ac160MIMO	Ant2	6505	164.800	6422.120	6586.920	≤320	PASS
11ac160MIMO	Ant1	6665	165.120	6582.760	6747.880	≤320	PASS
11ac160MIMO	Ant2	6665	163.840	6582.760	6746.600	≤320	PASS
11ac160MIMO	Ant1	6825	165.760	6741.800	6907.560	≤320	PASS
11ac160MIMO	Ant2	6825	164.480	6742.120	6906.600	≤320	PASS
11ac160MIMO	Ant1	6985	164.800	6902.440	7067.240	≤320	PASS
11ac160MIMO	Ant2	6985	164.480	6902.440	7066.920	≤320	PASS
11ax20MIMO	Ant1	5955	21.080	5944.320	5965.400	≤320	PASS
11ax20MIMO	Ant2	5955	20.640	5944.560	5965.200	≤320	PASS
11ax20MIMO	Ant1	6175	20.960	6164.600	6185.560	≤320	PASS
11ax20MIMO	Ant2	6175	21.240	6164.480	6185.720	≤320	PASS
11ax20MIMO	Ant1	6415	21.000	6404.440	6425.440	≤320	PASS
11ax20MIMO	Ant2	6415	21.040	6404.520	6425.560	≤320	PASS
11ax20MIMO	Ant1	6435	20.560	6424.600	6445.160	≤320	PASS
11ax20MIMO	Ant2	6435	21.440	6424.080	6445.520	≤320	PASS
11ax20MIMO	Ant1	6475	21.400	6464.280	6485.680	≤320	PASS
11ax20MIMO	Ant2	6475	21.080	6464.320	6485.400	≤320	PASS
11ax20MIMO	Ant1	6515	21.040	6504.320	6525.360	≤320	PASS
11ax20MIMO	Ant2	6515	20.920	6504.480	6525.400	≤320	PASS
11ax20MIMO	Ant1	6535	20.680	6524.640	6545.320	≤320	PASS
11ax20MIMO	Ant2	6535	21.360	6524.240	6545.600	≤320	PASS
11ax20MIMO	Ant1	6695	20.840	6684.640	6705.480	≤320	PASS
11ax20MIMO	Ant2	6695	20.640	6684.720	6705.360	≤320	PASS
11ax20MIMO	Ant1	6855	20.640	6844.520	6865.160	≤320	PASS
11ax20MIMO	Ant2	6855	20.800	6844.520	6865.320	≤320	PASS
11ax20MIMO	Ant1	6875	20.960	6864.320	6885.280	≤320	PASS
11ax20MIMO	Ant2	6875	21.040	6864.400	6885.440	≤320	PASS
11ax20MIMO	Ant1	6895	20.720	6884.560	6905.280	≤320	PASS
11ax20MIMO	Ant2	6895	20.880	6884.480	6905.360	≤320	PASS
11ax20MIMO	Ant1	6995	21.200	6984.440	7005.640	≤320	PASS
11ax20MIMO	Ant2	6995	20.880	6984.600	7005.480	≤320	PASS
11ax20MIMO	Ant1	7115	21.080	7104.360	7125.440	≤320	PASS
11ax20MIMO	Ant2	7115	20.840	7104.640	7125.480	≤320	PASS
11ax40MIMO	Ant1	5965	40.000	5945.000	5985.000	≤320	PASS
11ax40MIMO	Ant2	5965	40.240	5944.840	5985.080	≤320	PASS
11ax40MIMO	Ant1	6165	40.160	6144.920	6185.080	≤320	PASS
11ax40MIMO	Ant2	6165	40.800	6144.520	6185.320	≤320	PASS
11ax40MIMO	Ant1	6405	40.320	6384.920	6425.240	≤320	PASS
11ax40MIMO	Ant2	6405	39.840	6385.080	6424.920	≤320	PASS
11ax40MIMO	Ant1	6445	40.160	6424.600	6464.760	≤320	PASS
11ax40MIMO	Ant2	6445	40.400	6424.600	6465.000	≤320	PASS
11ax40MIMO	Ant1	6485	40.320	6464.840	6505.160	≤320	PASS
11ax40MIMO	Ant2	6485	39.920	6465.000	6504.920	≤320	PASS
11ax40MIMO	Ant1	6525	40.560	6504.440	6545.000	≤320	PASS

11ax40MIMO	Ant2	6525	40.560	6504.520	6545.080	≤320	PASS
11ax40MIMO	Ant1	6565	39.680	6545.080	6584.760	≤320	PASS
11ax40MIMO	Ant2	6565	40.320	6544.840	6585.160	≤320	PASS
11ax40MIMO	Ant1	6685	40.160	6664.840	6705.000	≤320	PASS
11ax40MIMO	Ant2	6685	40.800	6664.360	6705.160	≤320	PASS
11ax40MIMO	Ant1	6845	40.320	6824.680	6865.000	≤320	PASS
11ax40MIMO	Ant2	6845	40.320	6824.840	6865.160	≤320	PASS
11ax40MIMO	Ant1	6885	40.160	6864.840	6905.000	≤320	PASS
11ax40MIMO	Ant2	6885	40.480	6864.680	6905.160	≤320	PASS
11ax40MIMO	Ant1	6925	39.840	6905.080	6944.920	≤320	PASS
11ax40MIMO	Ant2	6925	40.160	6904.920	6945.080	≤320	PASS
11ax40MIMO	Ant1	6965	40.720	6944.440	6985.160	≤320	PASS
11ax40MIMO	Ant2	6965	40.720	6944.680	6985.400	≤320	PASS
11ax40MIMO	Ant1	7085	40.320	7064.840	7105.160	≤320	PASS
11ax40MIMO	Ant2	7085	40.080	7065.000	7105.080	≤320	PASS
11ax80MIMO	Ant1	5985	81.760	5944.200	6025.960	≤320	PASS
11ax80MIMO	Ant2	5985	81.280	5944.360	6025.640	≤320	PASS
11ax80MIMO	Ant1	6145	80.960	6104.360	6185.320	≤320	PASS
11ax80MIMO	Ant2	6145	82.560	6103.400	6185.960	≤320	PASS
11ax80MIMO	Ant1	6385	82.240	6343.560	6425.800	≤320	PASS
11ax80MIMO	Ant2	6385	81.600	6344.200	6425.800	≤320	PASS
11ax80MIMO	Ant1	6465	81.600	6424.040	6505.640	≤320	PASS
11ax80MIMO	Ant2	6465	81.760	6424.040	6505.800	≤320	PASS
11ax80MIMO	Ant1	6545	81.600	6504.040	6585.640	≤320	PASS
11ax80MIMO	Ant2	6545	81.600	6504.200	6585.800	≤320	PASS
11ax80MIMO	Ant1	6625	81.600	6584.040	6665.640	≤320	PASS
11ax80MIMO	Ant2	6625	83.680	6583.560	6667.240	≤320	PASS
11ax80MIMO	Ant1	6705	81.120	6664.360	6745.480	≤320	PASS
11ax80MIMO	Ant2	6705	81.440	6664.360	6745.800	≤320	PASS
11ax80MIMO	Ant1	6785	81.920	6744.360	6826.280	≤320	PASS
11ax80MIMO	Ant2	6785	81.440	6744.360	6825.800	≤320	PASS
11ax80MIMO	Ant1	6865	81.600	6824.200	6905.800	≤320	PASS
11ax80MIMO	Ant2	6865	81.760	6824.200	6905.960	≤320	PASS
11ax80MIMO	Ant1	6945	81.440	6904.200	6985.640	≤320	PASS
11ax80MIMO	Ant2	6945	81.920	6903.880	6985.800	≤320	PASS
11ax80MIMO	Ant1	7025	81.760	6984.520	7066.280	≤320	PASS
11ax80MIMO	Ant2	7025	81.760	6984.200	7065.960	≤320	PASS
11ax160MIMO	Ant1	6025	164.480	5942.440	6106.920	≤320	PASS
11ax160MIMO	Ant2	6025	164.160	5942.760	6106.920	≤320	PASS
11ax160MIMO	Ant1	6185	163.520	6102.760	6266.280	≤320	PASS
11ax160MIMO	Ant2	6185	165.120	6102.760	6267.880	≤320	PASS
11ax160MIMO	Ant1	6345	164.800	6262.760	6427.560	≤320	PASS
11ax160MIMO	Ant2	6345	164.800	6262.760	6427.560	≤320	PASS
11ax160MIMO	Ant1	6505	163.840	6423.400	6587.240	≤320	PASS
11ax160MIMO	Ant2	6505	163.840	6422.760	6586.600	≤320	PASS
11ax160MIMO	Ant1	6665	163.840	6582.760	6746.600	≤320	PASS
11ax160MIMO	Ant2	6665	164.800	6582.440	6747.240	≤320	PASS
11ax160MIMO	Ant1	6825	163.840	6742.760	6906.600	≤320	PASS
11ax160MIMO	Ant2	6825	165.120	6742.760	6907.880	≤320	PASS
11ax160MIMO	Ant1	6985	164.160	6902.440	7066.600	≤320	PASS
11ax160MIMO	Ant2	6985	163.200	6903.400	7066.600	≤320	PASS

Test Graphs





11ac20MIMO-Ant1-6435



11ac20MIMO-Ant2-6435



11ac20MIMO-Ant1-6475



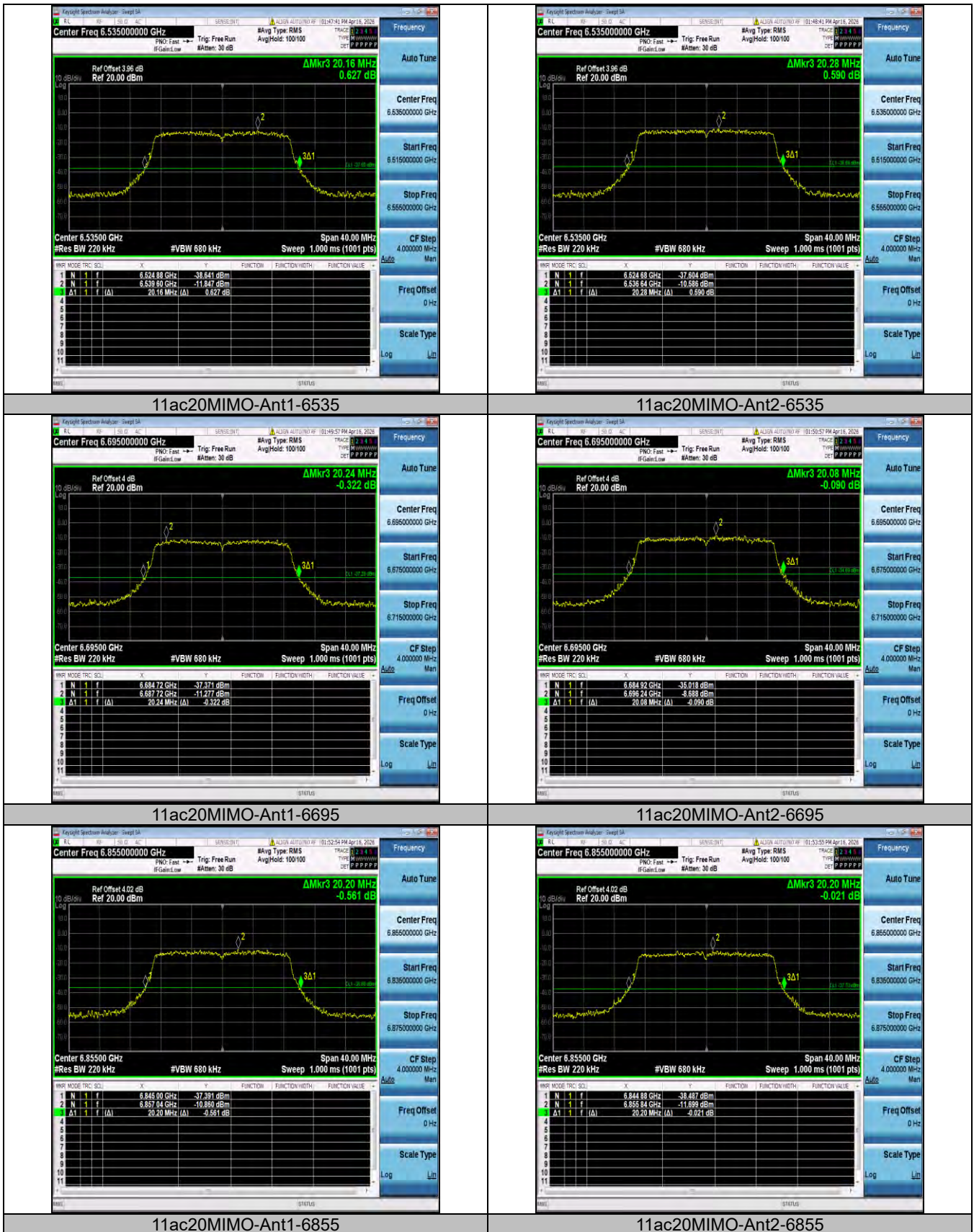
11ac20MIMO-Ant2-6475



11ac20MIMO-Ant1-6515



11ac20MIMO-Ant2-6515





11ac20MIMO-Ant1-6875



11ac20MIMO-Ant2-6875



11ac20MIMO-Ant1-6895



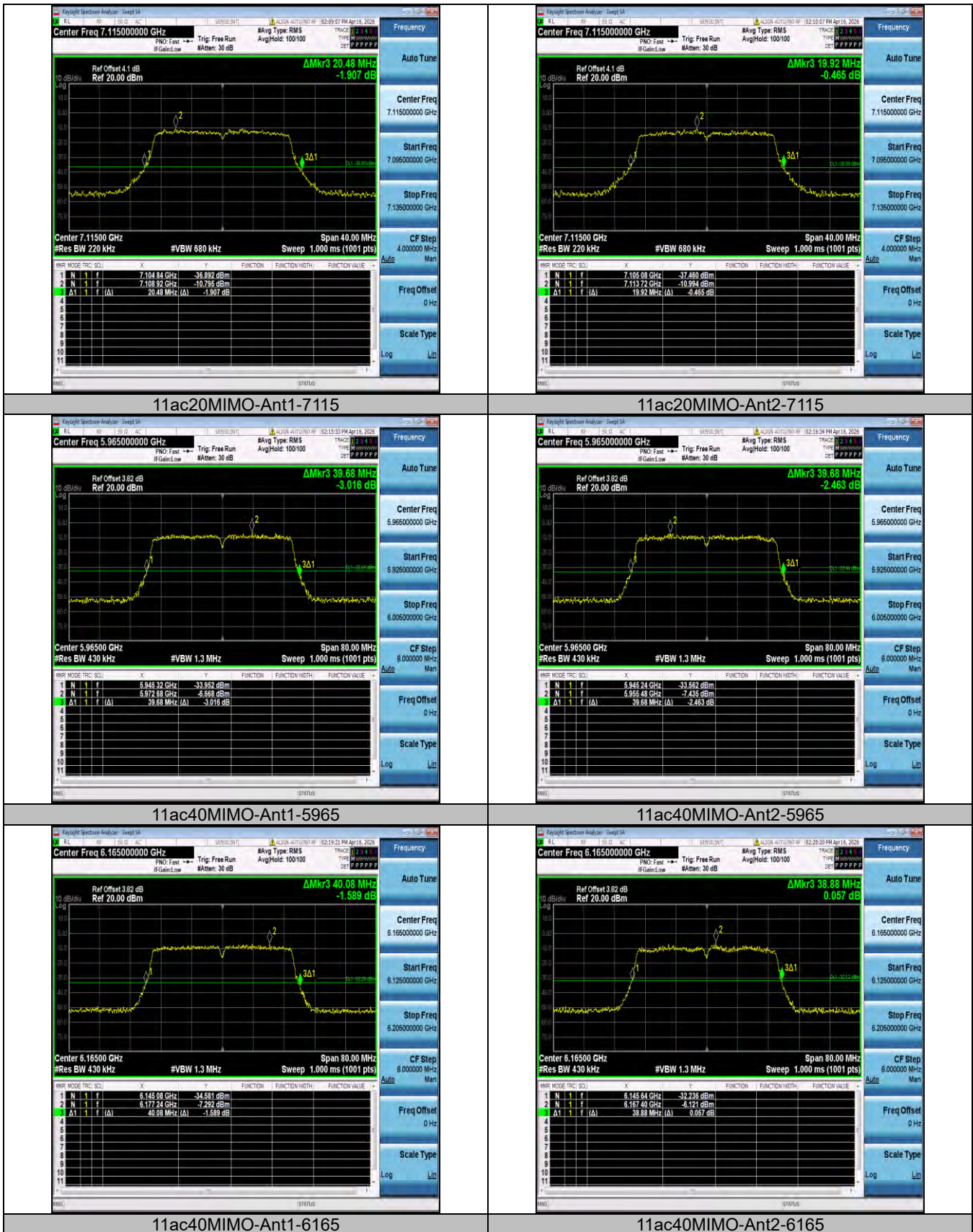
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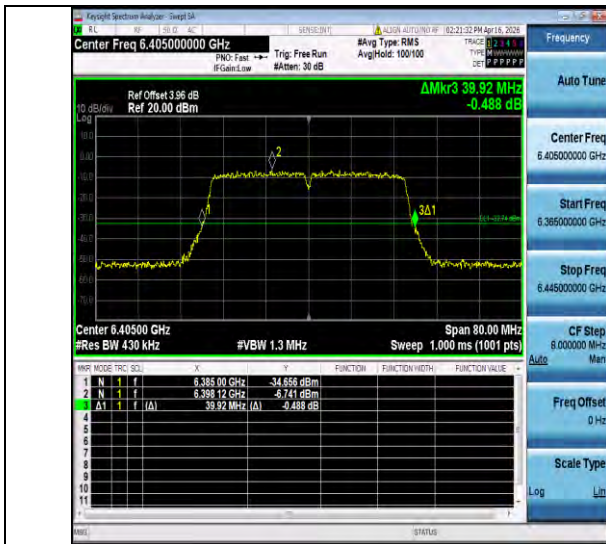


11ac20MIMO-Ant1-6995



11ac20MIMO-Ant2-6995

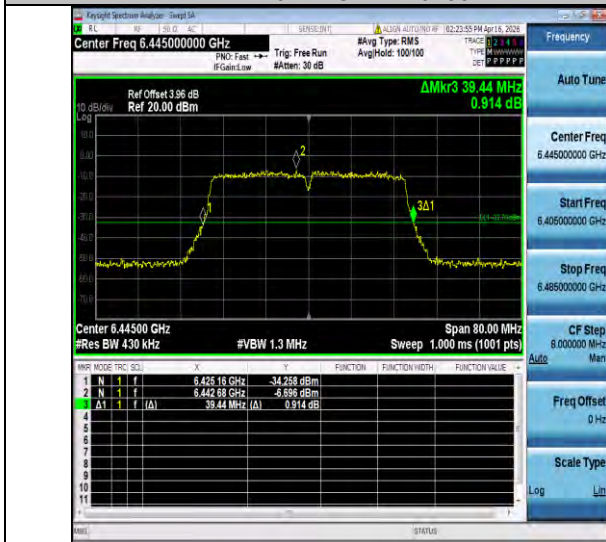




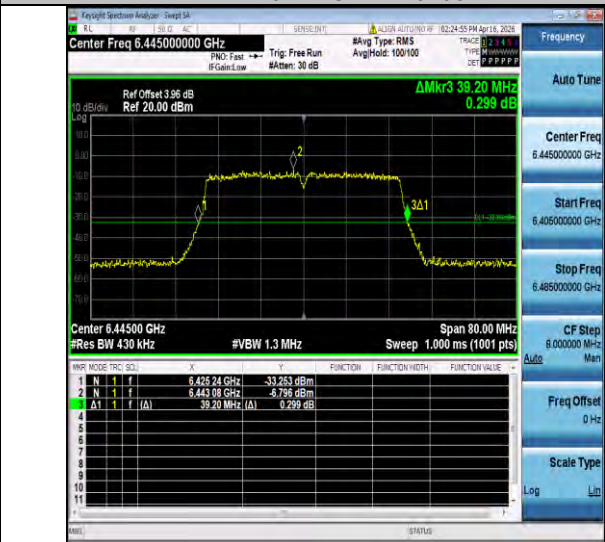
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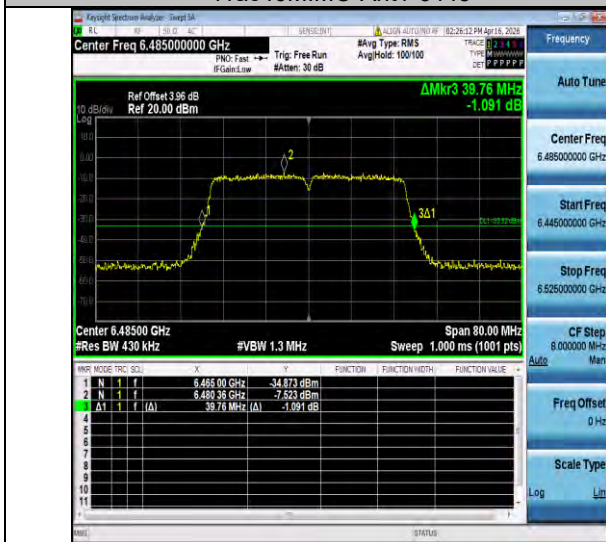
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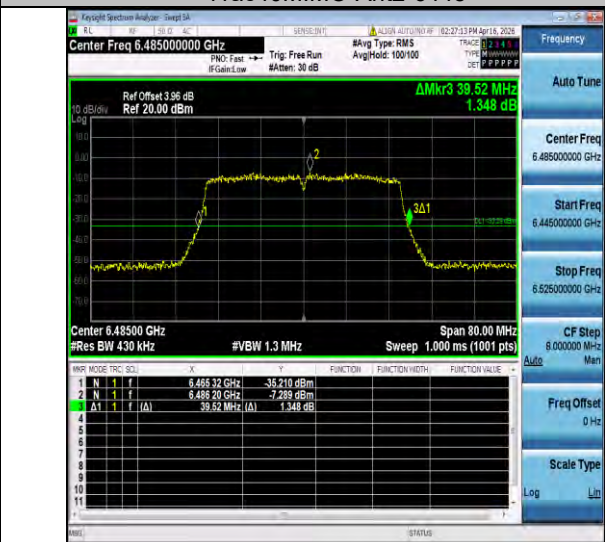
11ac40MIMO-Ant1-6445



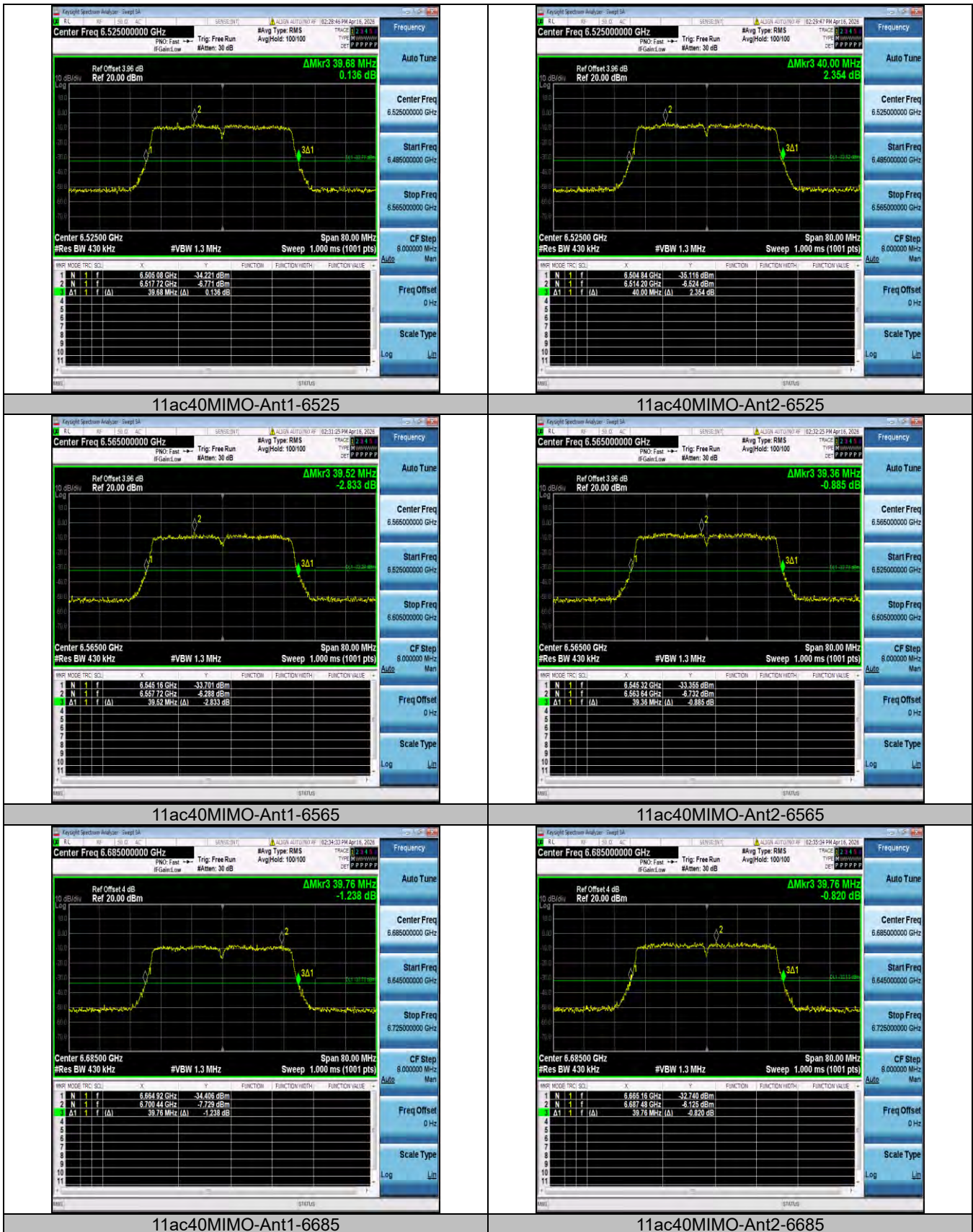
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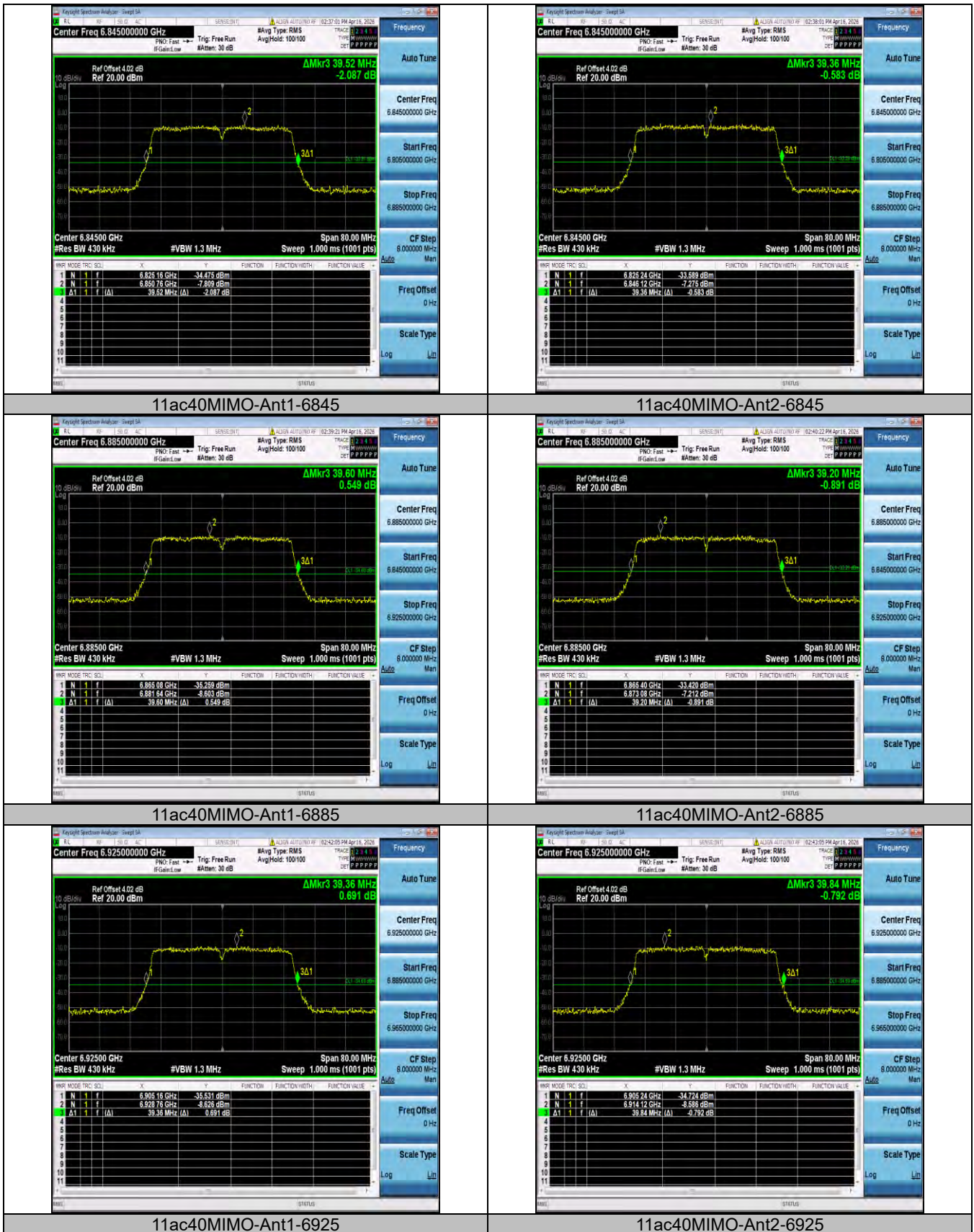


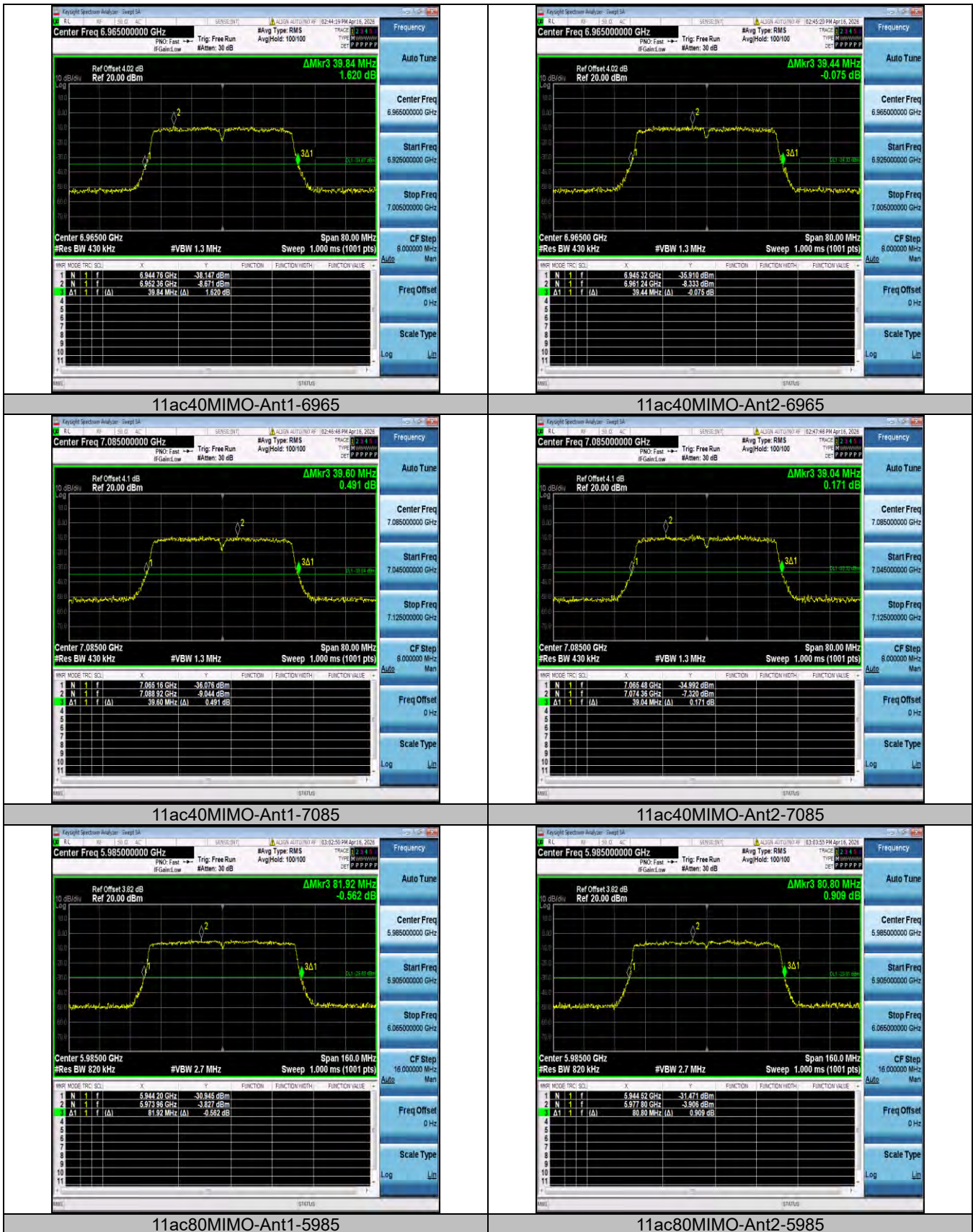
11ac40MIMO-Ant1-6485

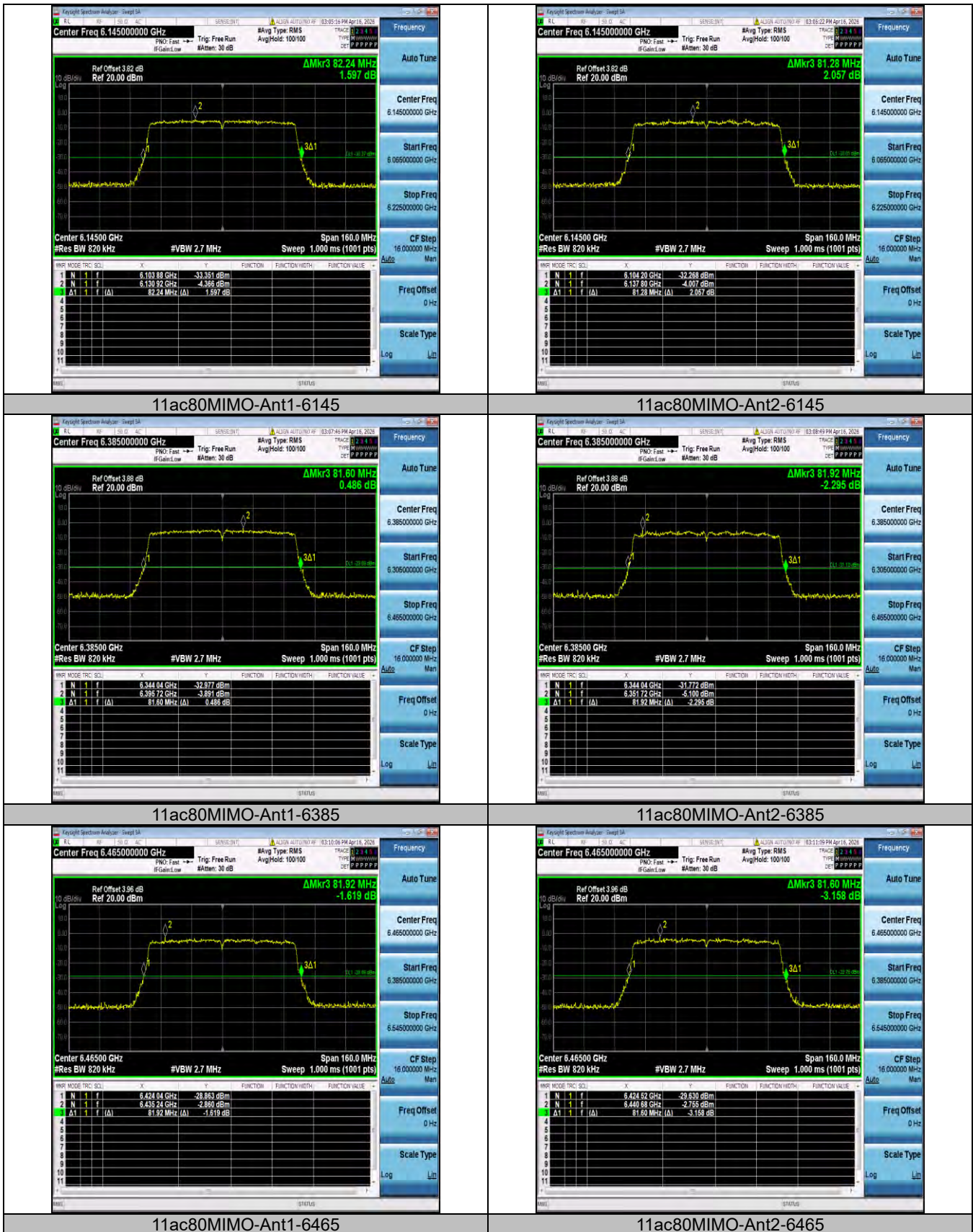


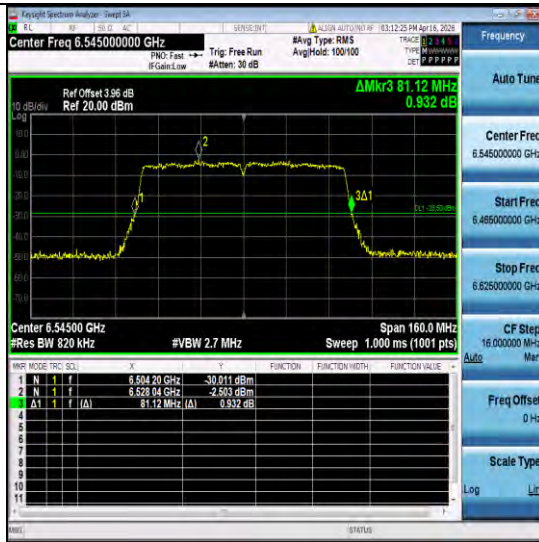
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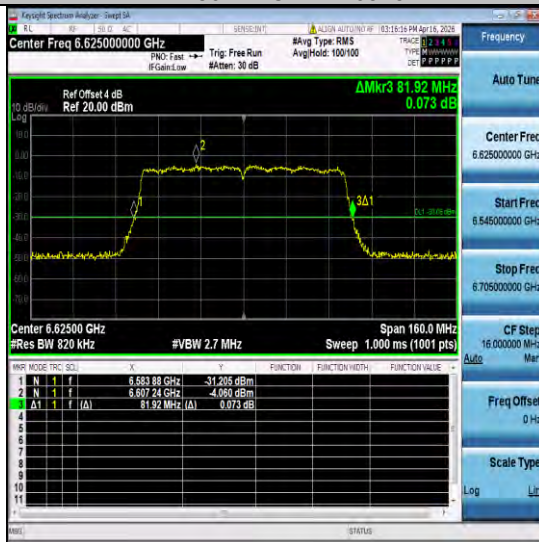




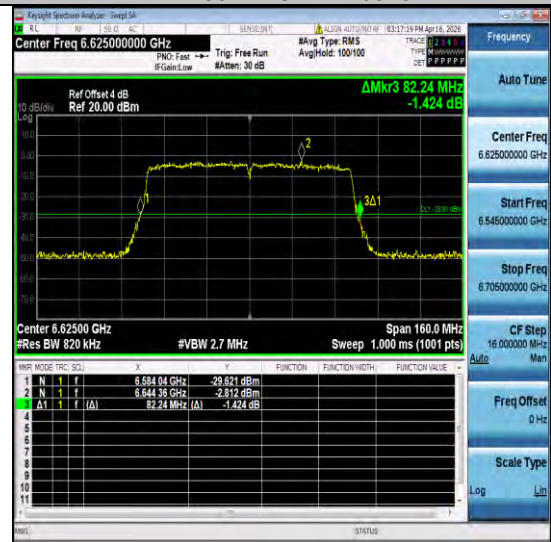
11ac80MIMO-Ant1-6545



11ac80MIMO-Ant2-6545



11ac80MIMO-Ant1-6625



11ac80MIMO-Ant2-6625



11ac80MIMO-Ant1-6705



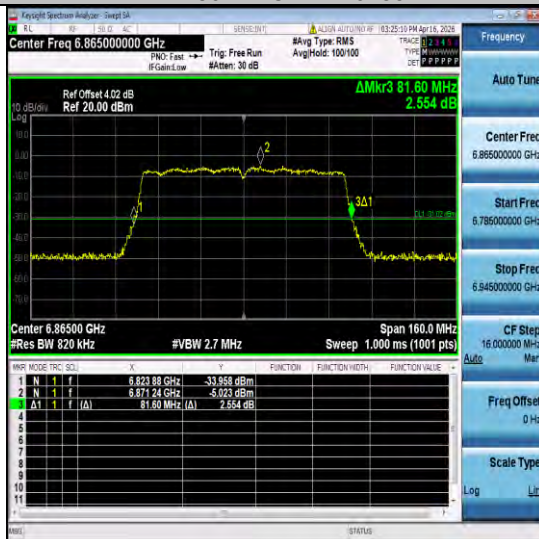
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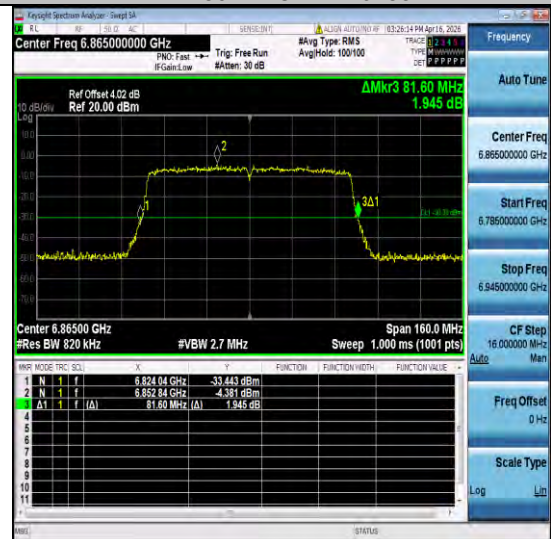
11ac80MIMO-Ant1-6785



11ac80MIMO-Ant2-6785



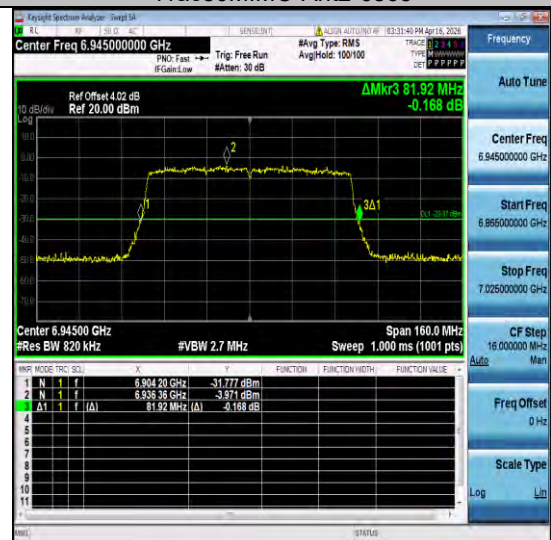
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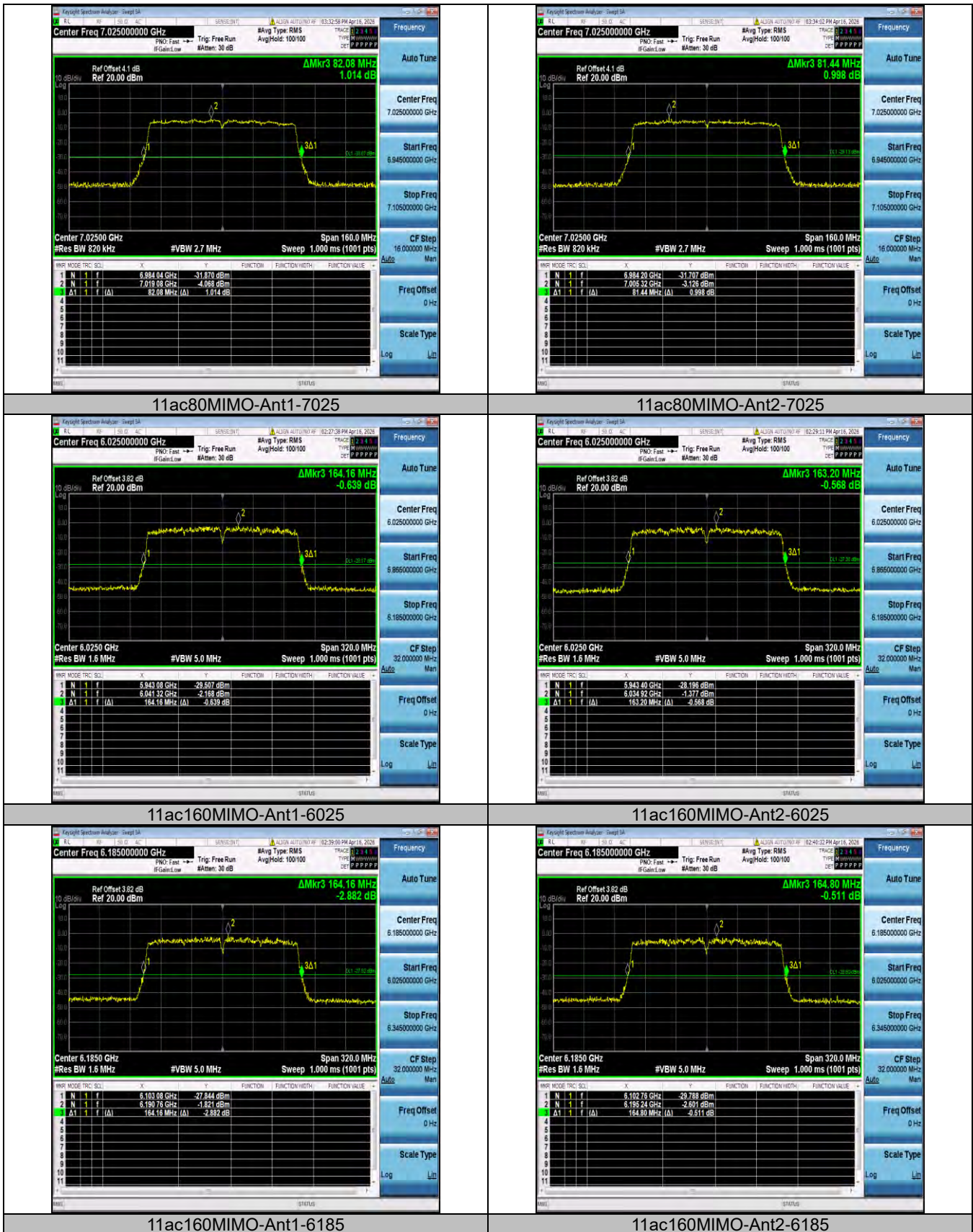
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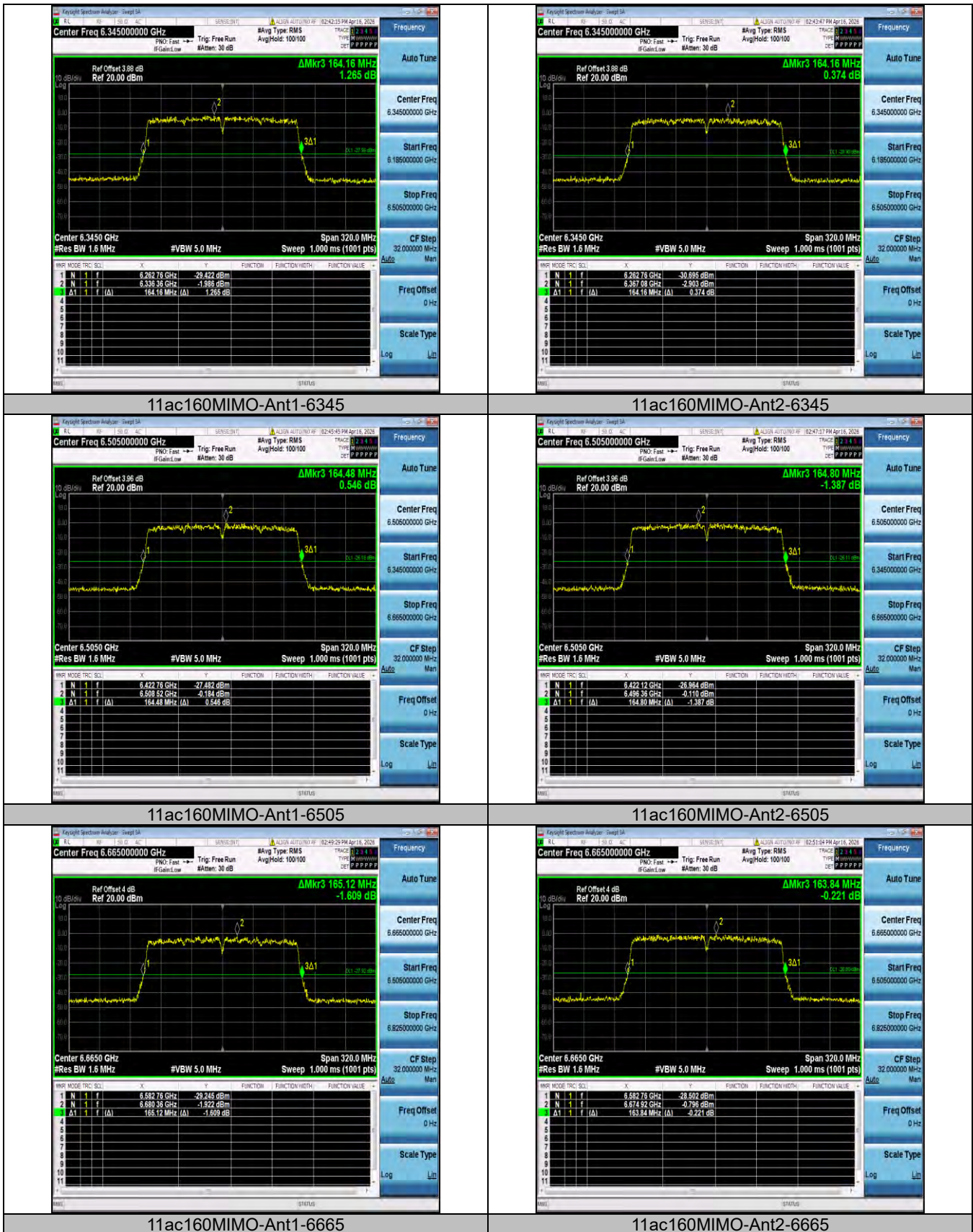


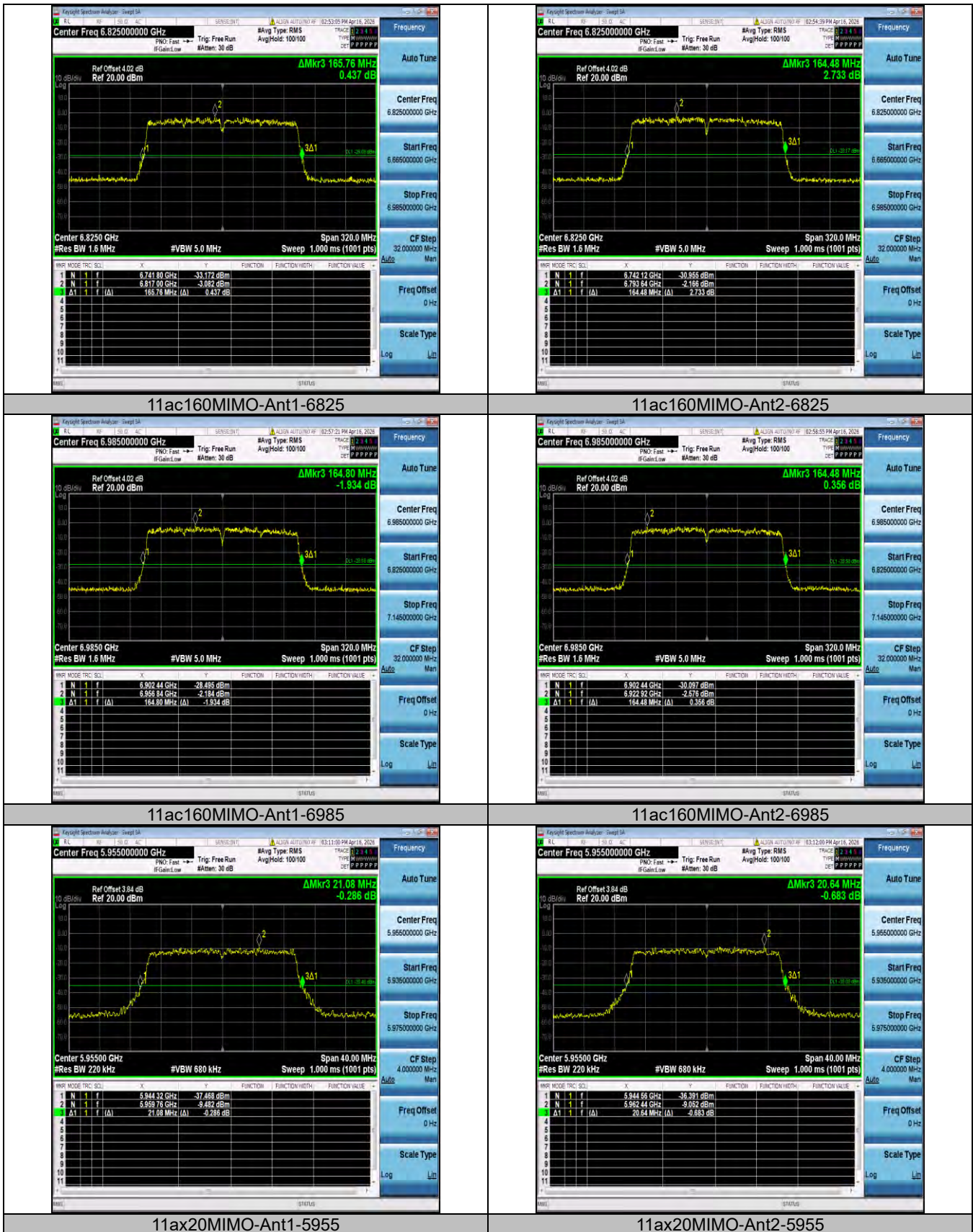
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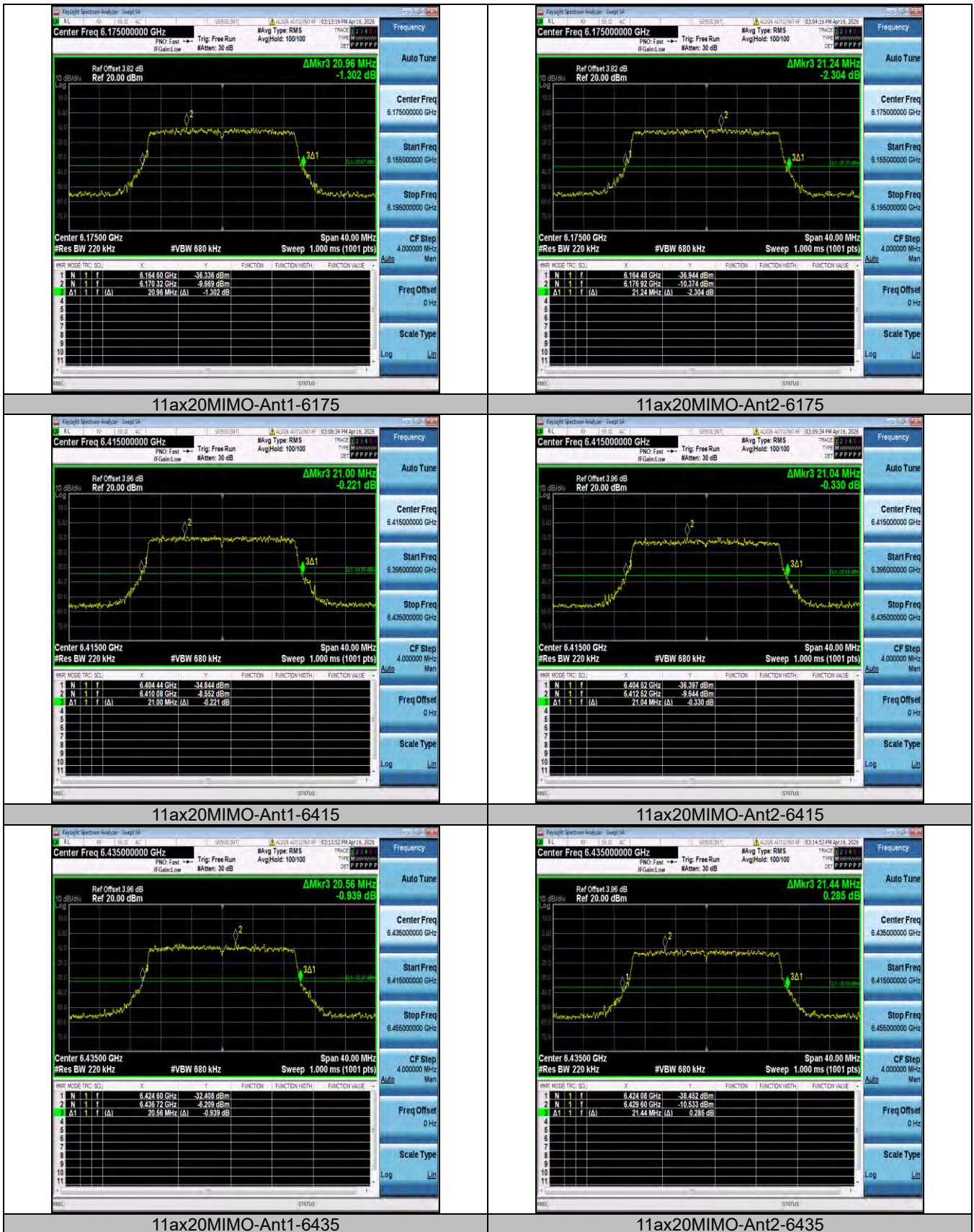


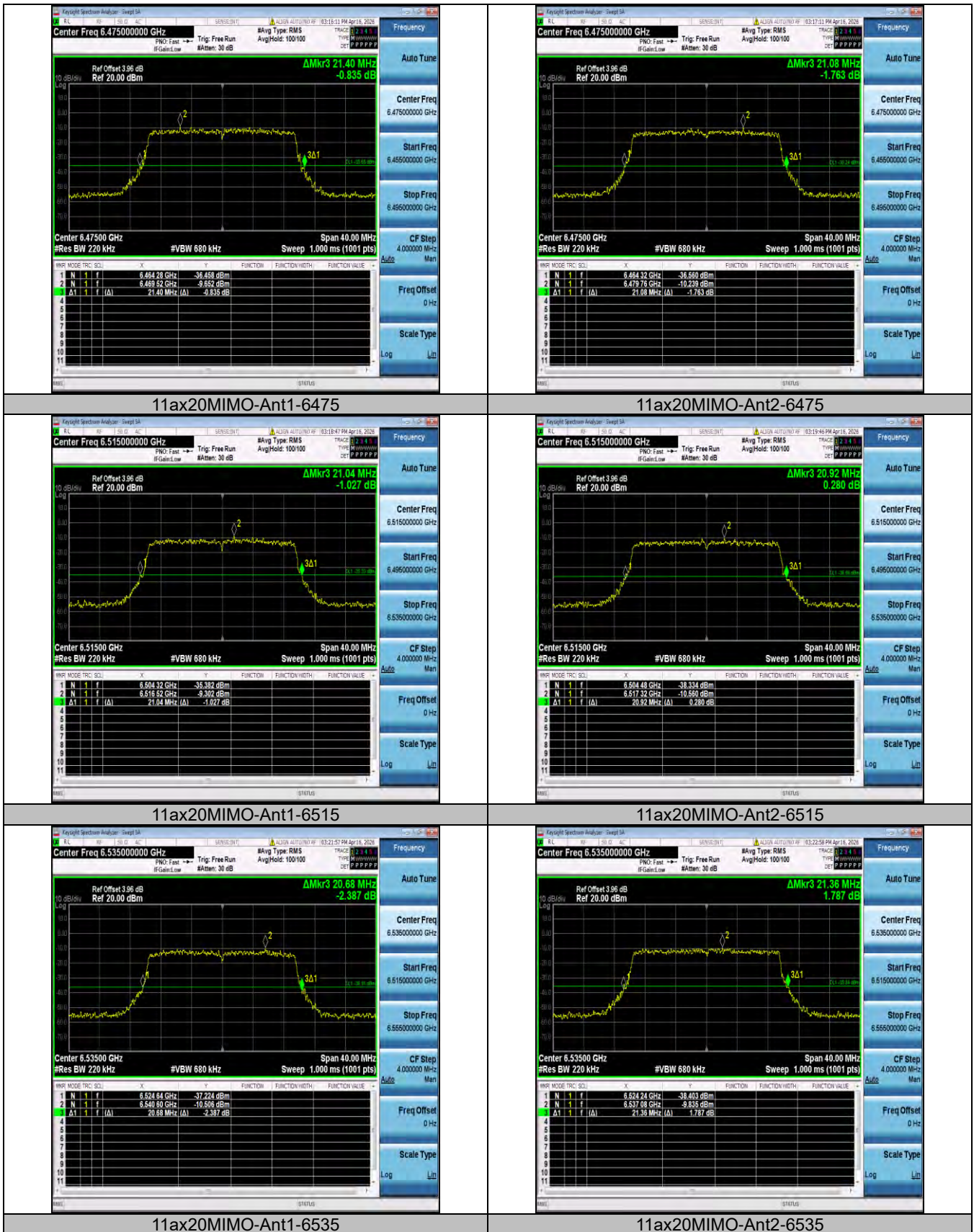
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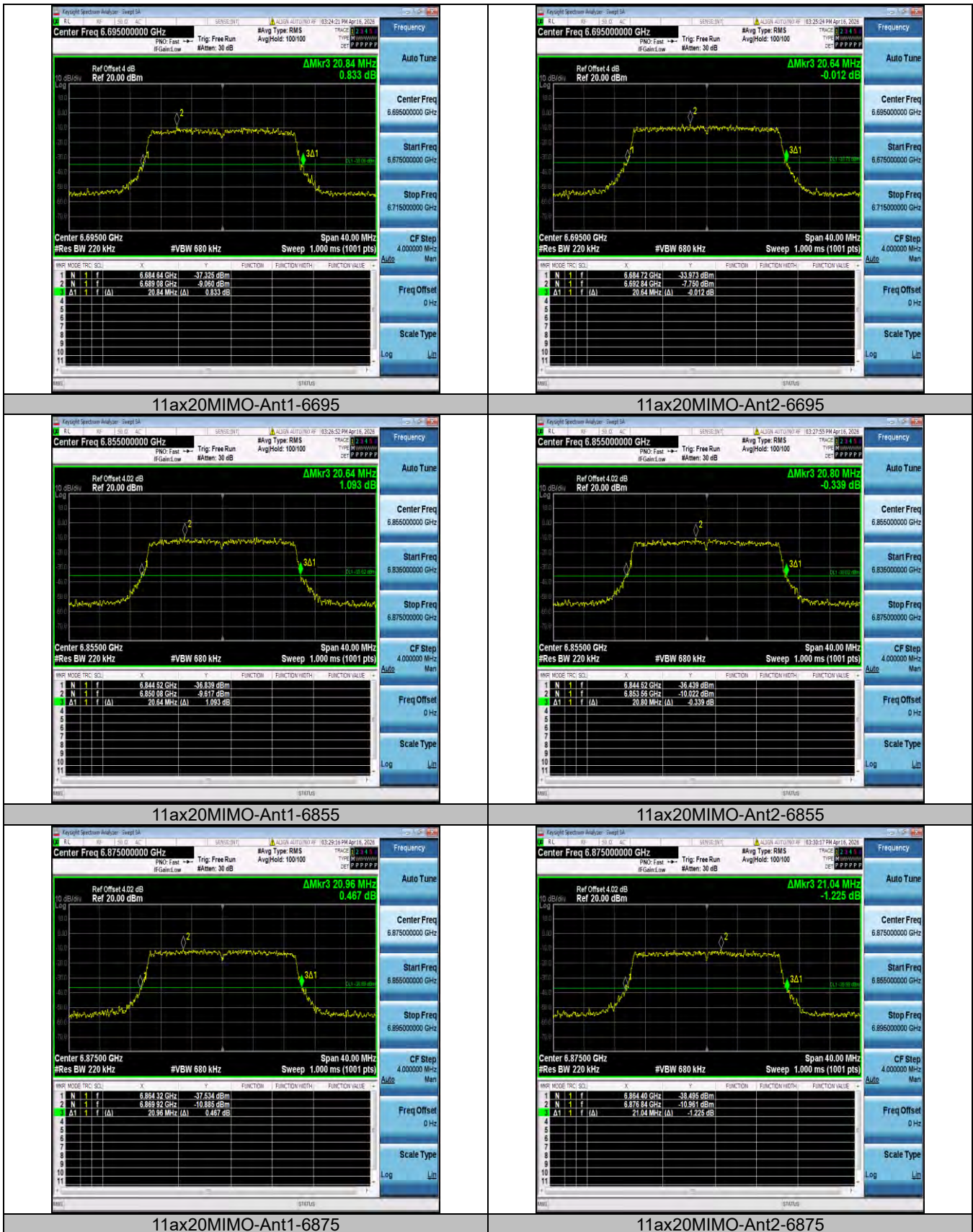






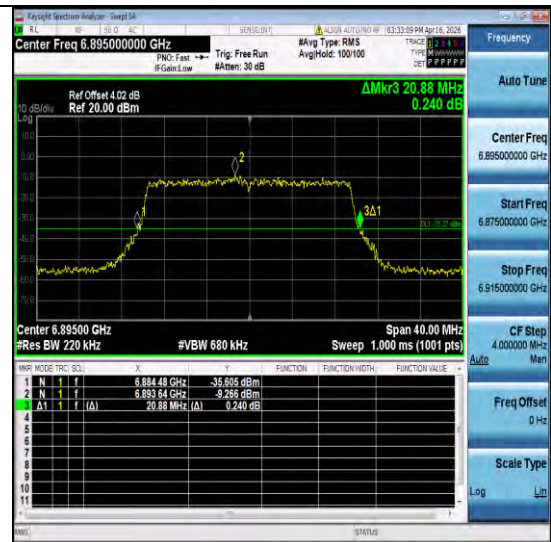








11ax20MIMO-Ant1-6895



11ax20MIMO-Ant2-6895



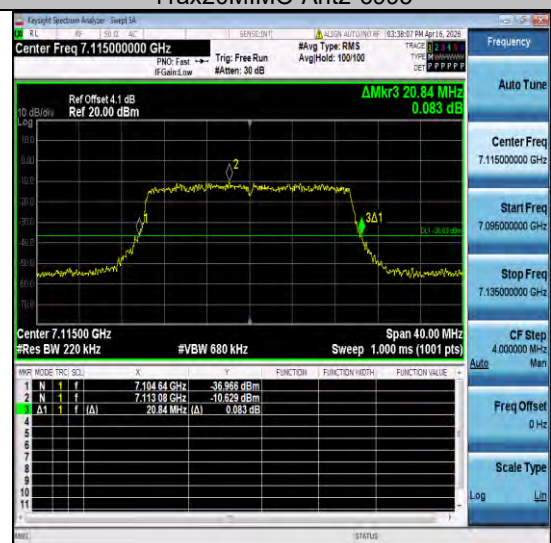
11ax20MIMO-Ant1-6995



11ax20MIMO-Ant2-6995



11ax20MIMO-Ant1-7115



11ax20MIMO-Ant2-7115