

JAPAN MIC

Radio Test Report

Applicant: Coretronic Reality Inc.
15F., No. 225, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City
231030, Taiwan (ROC)

Manufacturer: Coretronic Reality Inc.
15F., No. 225, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City
231030, Taiwan (ROC)

Product Name: COREXOM

Brand Name: Coretronic Reality Inc.

Model No.: R6490WGQ

Family Model No.: R5430WGQ

Model Difference: Refer to section 1.2

Report Number: TERF2606002101E2

Place of Testing SGS Taiwan Ltd. Central RF Lab
No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333

Test Result PASS

Classification of Specified Radio Equipment Article 2 Clause 1 Item 19

Date of EUT Received: June 12, 2026

Date of Test: June 16, 2026~July 8, 2026

Issue Date: August 10, 2026

Approved By: _____



Jay Lin

We hereby declare that:

The data presented with this application to be true and correct; and that our testing equipment is regularly serviced and properly calibrated; and We agree to maintain records of data for a minimum of ten (10) years in our laboratory for immediate presentation upon request by the Certification Body.

Measurement was conducted by the following test method:

the test method of Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and Communication notification in MIC Notification No. 88 of 2004, Annex 43 or the test method more than equivalent.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2606002101E2	00	Original	July 30, 2026	Susan Lin	
TERF2606002101E2	01	Update test method on page 1	August 10, 2026	Susan Lin	*

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received. And are assessed as identical in hardware and firmware to each other.

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1 DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)

1.1 Product Description

Product Name:	COREXOM
Brand Name:	Coretronic Reality Inc.
Model No.:	R6490WGQ
Family Model No.:	R5430WGQ
Model Difference:	Refer to section 1.2
Hardware Version:	N/A
Firmware Version:	Android13
Power Supply:	3.8 Vdc

1.2 Model Difference

Model	Difference
R6490WGQ	With BT+Wi-Fi/GPS, Memory : uMCP 8GB LPDDR4X + 128GB UFS
R5430WGQ	With BT+Wi-Fi/GPS, Memory : uMCP 4GB LPDDR4X + 64GB UFS

1.3 RF Specification

Type, frequency of transmittable
radio wave and rated output

G1D 2412MHz-2472MHz(Interval of 5MHz 13ch)

802.11 b: 7.825 mW/MHz

G1D D1D 2412MHz-2472MHz(Interval of 5MHz 13ch)

802.11 g: 3.667 mW/MHz

G1D D1D 2412MHz-2472MHz(Interval of 5MHz 13ch)

802.11n20: 4.741 mW/MHz

G1D D1D 2422MHz-2462MHz(Interval of 5MHz 9ch)

802.11n40: 2.827 mW/MHz

G1D D1D 2412MHz-2472MHz(Interval of 5MHz 13ch)

802.11ax20: 5.128 mW/MHz

G1D D1D 2422MHz-2462MHz(Interval of 5MHz 9ch)

802.11ax40: 3.352 mW/MHz

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SGS Taiwan Ltd.

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1.4 Antenna Designation

Antenna Type	Part Number	Supplier	Polarization (H or V)	Peak Gain (dBi)
Dipole	AN2457-3908BRS	Cortec Technology Inc.	H+V	2.89
Dipole	A8MEE-100007	ADVANCED WIRELESS & ANTENNA Inc.	H+V	2.5

Note: The antenna information is provided by the applicant, and the laboratory shall not be held liable for the accuracy, completeness, or reliability of any applicant-supplied data.

1.5 Assemble (Not easy open)

The shielding is directly soldered to the PCB board.

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2 DESCRIPTION OF TEST

2.1 Test Conditions

Test Category	2.4GHz Band Wideband Low-Power Data Communication System			
	802.11b 20MHz System (1TX 1RX)			

	unit	-----	-----	Limit	Result
Ambient Temperature	°C	21.3~24.2		≥ 5 ≤ 35	PASS
Relative Humidity	%	59~68		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	3.8		-----	-----
The reason why the tests are performed only at rated voltage:	When the input voltage to receiver RF circuit varies below $\pm 1\%$ as the input voltage from the external power supply to the receiver varies $\pm 10\%$ (excluding power supply).				
On Time (Burst wave)	msec	0.66		-----	-----
Off Time (Burst wave)	msec	0.01		-----	-----
Ratio (Burst wave)	%	97.94		-----	-----

802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Declaration Output Power	mW/MHz	7.825		≤ 10	PASS
	dBm/MHz	8.935		≤ 10	PASS
E.I.R.P.	dBm/MHz	11.83	11.68	< 12.14	PASS
Peak Antenna Gain (Chain0)	dBi	2.89		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	0.80		-----	-----
Interference Prevention Function	-----	PASS	PASS	-----	PASS

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Test Category	2.4GHz Band Wideband Low-Power Data Communication System			
	802.11g 20MHz System (1TX 1RX)			

	unit	-----	-----	Limit	Result
Ambient Temperature	°C	21.3~24.2		≥ 5 ≤ 35	PASS
Relative Humidity	%	59~68		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	3.8		-----	-----
The reason why the tests are performed only at rated voltage:	When the input voltage to receiver RF circuit varies below $\pm 1\%$ as the input voltage from the external power supply to the receiver varies $\pm 10\%$ (excluding power supply).				
On Time (Burst wave)	msec	2.10		-----	-----
Off Time (Burst wave)	msec	0.02		-----	-----
Ratio (Burst wave)	%	99.24		-----	-----

802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Declaration Output Power	mW/MHz	3.667		≤ 10	PASS
	dBm/MHz	5.64		≤ 10	PASS
E.I.R.P.	dBm/MHz	8.27	8.53	< 12.14	PASS
Peak Antenna Gain (Chain0)	dBi	2.89		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	0.80		-----	-----
Interference Prevention Function	-----	PASS	PASS	-----	PASS

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Test Category	2.4GHz Band Wideband Low-Power Data Communication System			
	802.11n 20MHz System (2TX 2RX)			

	unit	-----	-----	Limit	Result
Ambient Temperature	℃	21.3~24.2		≥ 5 ≤ 35	PASS
Relative Humidity	%	59~68		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	3.8		-----	-----
The reason why the tests are performed only at rated voltage:	When the input voltage to receiver RF circuit varies below $\pm 1\%$ as the input voltage from the external power supply to the receiver varies $\pm 10\%$ (excluding power supply).				
On Time (Burst wave)	msec	5.43		-----	-----
Off Time (Burst wave)	msec	0.02		-----	-----
Ratio (Burst wave)	%	99.71		-----	-----

802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Declaration Output Power	mW/MHz	4.741		≤ 10	PASS
	dBm/MHz	6.759		≤ 10	PASS
E.I.R.P.	dBm/MHz	9.65	9.28	< 12.14	PASS
Peak Antenna Gain (Chain0)	dBi	2.89		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.89		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	0.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	0.80		-----	-----
Interference Prevention Function	-----	PASS	PASS	-----	PASS

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Test Category	2.4GHz Band Wideband Low-Power Data Communication System			
	802.11n 40MHz System (2TX 2RX)			

	unit	-----	-----	Limit	Result
Ambient Temperature	°C	21.3~24.2		≥ 5 ≤ 35	PASS
Relative Humidity	%	59~68		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	3.8		-----	-----
The reason why the tests are performed only at rated voltage:	When the input voltage to receiver RF circuit varies below $\pm 1\%$ as the input voltage from the external power supply to the receiver varies $\pm 10\%$ (excluding power supply).				
On Time (Burst wave)	msec	5.43		-----	-----
Off Time (Burst wave)	msec	0.02		-----	-----
Ratio (Burst wave)	%	99.71		-----	-----

802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Declaration Output Power	mW/MHz	2.827		≤ 5	PASS
	dBm/MHz	4.513		≤ 6.99	PASS
E.I.R.P.	dBm/MHz	7.29	7.40	< 9.13	PASS
Peak Antenna Gain (Chain0)	dBi	2.89		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.89		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	0.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	0.80		-----	-----
Interference Prevention Function	-----	PASS	PASS	-----	PASS

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Test Category	2.4GHz Band Wideband Low-Power Data Communication System			
	802.11ax 20MHz System (2TX 2RX)			

	unit	-----	-----	Limit	Result
Ambient Temperature	℃	21.3~24.2		≥ 5 ≤ 35	PASS
Relative Humidity	%	59~68		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	3.8		-----	-----
The reason why the tests are performed only at rated voltage:	When the input voltage to receiver RF circuit varies below $\pm 1\%$ as the input voltage from the external power supply to the receiver varies $\pm 10\%$ (excluding power supply).				
On Time (Burst wave)	msec	5.44		-----	-----
Off Time (Burst wave)	msec	0.02		-----	-----
Ratio (Burst wave)	%	99.71		-----	-----

802.11ax_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Declaration Output Power	mW/MHz	5.128		≤ 10	PASS
	dBm/MHz	7.099		≤ 10	PASS
E.I.R.P.	dBm/MHz	9.99	8.51	< 12.14	PASS
Peak Antenna Gain (Chain0)	dBi	2.89		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.89		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	0.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	0.80		-----	-----
Interference Prevention Function	-----	PASS	PASS	-----	PASS

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Test Category	2.4GHz Band Wideband Low-Power Data Communication System			
	802.11ax 40MHz System (2TX 2RX)			

	unit	-----	-----	Limit	Result
Ambient Temperature	℃	21.3~24.2		≥ 5 ≤ 35	PASS
Relative Humidity	%	59~68		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	3.8		-----	-----
The reason why the tests are performed only at rated voltage:	When the input voltage to receiver RF circuit varies below $\pm 1\%$ as the input voltage from the external power supply to the receiver varies $\pm 10\%$ (excluding power supply).				
On Time (Burst wave)	msec	5.45		-----	-----
Off Time (Burst wave)	msec	0.02		-----	-----
Ratio (Burst wave)	%	99.71		-----	-----

802.11ax_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Declaration Output Power	mW/MHz	3.352		≤ 5	PASS
	dBm/MHz	5.253		≤ 6.99	PASS
E.I.R.P.	dBm/MHz	6.31	8.14	< 9.13	PASS
Peak Antenna Gain (Chain0)	dBi	2.89		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.89		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	10.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	0.80		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	0.80		-----	-----
Interference Prevention Function	-----	PASS	PASS	-----	PASS

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2.2 Voltage Variation

Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input DC Power	3.80	4.18	3.42
Output DC Power	2.22	2.22	2.22
Voltage Variation (%)	0	0	0
Note: Voltage Variation (%) = (Output High or Low Voltage - Output Normal Voltage)/Output Normal Voltage X 100			
During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.			

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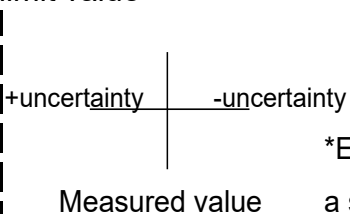
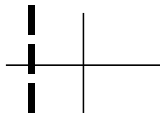
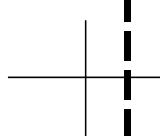
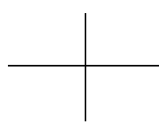
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3 ABOUT UNCERTAINTY OF MEASURED VALUE

- *In this test, the influence of an error or uncertainty may be done according to the following factors.
- Bias of a measurement equipment, Change by aging, Attrition, Noise
 - Skill and capability of an inspector
 - Environment (Temperature, Humidity)
 - Dispersion in a EUT (Equipment Under Test)
 - Uncertainty of calibration of a measurement equipment

Therefore, Synthetic uncertainty is calculated using "k=2" of coverage factor, and about 95% of confidence level shall be obtained.

In consideration of the above, it judged as follows.

JUDGE	Measured value and Standard limit value	
PASS	Case1	 *Even if it takes uncertainty into consideration, a standard limit value is fulfilled.
	Case2	 *Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.
FAIL	Case3	 *Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.
	Case4	 *Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.

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4 MEASUREMENT EQUIPMENT LIST

Conducted Emission Test Site: Conducted F						
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	Calibration Authority	Cal. Method
Attenuator	Marvelous	MVE2213-10	RF04	11/13/2025	SGS	C)
Attenuator	Woken	WATT-218FS-10	RF12	11/13/2025	SGS	C)
Attenuator	Woken	WATT-218FS-10	RF20	11/13/2025	SGS	C)
DC Block	PASTERNAK	PE8210	RF38	11/13/2025	SGS	C)
DC Power Supply	Gwinstek	SPS-3610	GEW902165	12/31/2025	ETC	C)
Power Meter	Anritsu	ML2496A	2138005	09/22/2025	ETC	C)
Power Sensor	Anritsu	MA2411B	1911395	09/22/2025	ETC	C)
Power Sensor	Anritsu	MA2411B	1911396	09/22/2025	ETC	C)
Spectrum Analyzer	KEYSIGHT	N9010B	MY63440390	02/02/2026	ETC	C)
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N/A	N/A

Carrier Sense

Conducted Emission Test Site: Conducted A						
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	Calibration Authority	Cal. Method
Attenuator	KEYSIGHT	11716C	RF44	11/13/2025	SGS	C)
EMI Test Receiver	Anritsu	N9038A	MY52260216	11/24/2025	ETC	C)
Power Divider	Titan	T0510E2W118Q	RF60	11/13/2025	SGS	C)
Signal Generator	Keysight	N5182B	MY59101143	01/26/2026	ETC	C)
Splitter	Marvelous Microwave	MVE8586	RF49	11/13/2025	SGS	C)
Splitter	Marvelous Microwave	MVE8586	RF50	11/13/2025	SGS	C)

Note 1: The validity of measurement equipment is one year from the first day of the following month of the calibration date.
(e.g. If the calibration date is December 15th, 2014, measurement equipment can be used from December 15th, 2014 to December 31st, 2015.)

Note 2: Calibration Method

- a): Calibration conducted by the National Institute of Information and Communications Technology(NICT)(hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)
- b): Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)
- c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)
- d) : Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)

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5 OUTPUT POWER

RF Output Power					
802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
RF Output Power (Chain0)	mW/MHz	7.825	7.561	≤ 10.000	PASS
	dBm/MHz	8.935	8.786	≤ 10.000	
RF Output Power Tolerance	%	0.00	-3.38	≤ 20	PASS
RF Output Power					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
RF Output Power (Chain0)	mW/MHz	3.451	3.667	≤ 10.000	PASS
	dBm/MHz	5.380	5.643	≤ 10.000	
RF Output Power Tolerance	%	-5.88	0.00	≤ 20	PASS
RF Output Power					
802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
RF Output Power (Chain0)	mW/MHz	3.408	1.812	≤ 5.000	PASS
	dBm/MHz	5.325	2.581	≤ 6.990	
RF Output Power (Chain1)	mW/MHz	1.334	2.546	≤ 5.000	PASS
	dBm/MHz	1.251	4.059	≤ 6.990	
Total Output Power (Chain0+1)	mW/MHz	4.741	4.358	≤ 10	PASS
	dBm/MHz	6.759	6.393	≤ 10	
RF Output Power Tolerance (Chain0+1)	%	0.00	-8.09	≤ 20	PASS
RF Output Power					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
RF Output Power (Chain0)	mW/MHz	1.473	1.443	≤ 2.500	PASS
	dBm/MHz	1.683	1.593	≤ 3.979	
RF Output Power (Chain1)	mW/MHz	1.280	1.384	≤ 2.500	PASS
	dBm/MHz	1.074	1.412	≤ 3.979	
Total Output Power (Chain0+1)	mW/MHz	2.754	2.827	≤ 5	PASS
	dBm/MHz	4.399	4.513	≤ 6.99	
RF Output Power Tolerance (Chain0+1)	%	-2.59	0.00	≤ 20	PASS

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RF Output Power					
802.11ax_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
RF Output Power (Chain0)	mW/MHz	3.063	1.182	≤ 5.000	PASS
	dBm/MHz	4.861	0.726	≤ 6.990	
RF Output Power (Chain1)	mW/MHz	2.065	2.465	≤ 5.000	PASS
	dBm/MHz	3.149	3.918	≤ 6.990	
Total Output Power (Chain0+1)	mW/MHz	5.128	3.647	≤ 10	PASS
	dBm/MHz	7.099	5.619	≤ 10	
RF Output Power Tolerance (Chain0+1)	%	0.00	-28.88	≤ 20	PASS

RF Output Power					
802.11ax_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
RF Output Power (Chain0)	mW/MHz	0.889	1.391	≤ 2.500	PASS
	dBm/MHz	-0.509	1.434	≤ 3.979	
RF Output Power (Chain1)	mW/MHz	1.309	1.961	≤ 2.500	PASS
	dBm/MHz	1.168	2.925	≤ 3.979	
Total Output Power (Chain0+1)	mW/MHz	2.198	3.352	≤ 5	PASS
	dBm/MHz	3.420	5.253	≤ 6.99	
RF Output Power Tolerance (Chain0+1)	%	-34.44	0.00	≤ 20	PASS

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6 FREQUENCY TOLERANCE

Frequency Tolerance					
802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Reading Frequency (Chain0)	MHz	2411.991	2471.990	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	-3.73134	-4.04531	≤ 50.00	
Frequency Tolerance					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Reading Frequency (Chain0)	MHz	2411.991	2471.990	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	-3.73134	-4.04531	≤ 50.00	
Frequency Tolerance					
802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Reading Frequency (Chain0)	MHz	2411.991	2471.990	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	-3.73134	-4.04531	≤ 50.00	
Reading Frequency (Chain1)	MHz	2411.991	2471.990	≥ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	-3.73134	-4.04531	≤ 50.00	
Frequency Tolerance					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Reading Frequency (Chain0)	MHz	2421.991	2461.992	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	-3.71594	-3.24939	≤ 50.00	
Reading Frequency (Chain1)	MHz	2421.990	2461.992	≥ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	-4.12882	-3.24939	≤ 50.00	
Frequency Tolerance					
802.11ax_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Reading Frequency (Chain0)	MHz	2411.991	2471.990	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	-3.73134	-4.04531	≤ 50.00	
Reading Frequency (Chain1)	MHz	2411.991	2471.990	≥ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	-3.73134	-4.04531	≤ 50.00	
Frequency Tolerance					
802.11ax_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Reading Frequency (Chain0)	MHz	2421.990	2461.993	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	-4.12882	-2.84322	≤ 50.00	
Reading Frequency (Chain1)	MHz	2421.991	2461.992	≥ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	-3.71594	-3.24939	≤ 50.00	

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7 OCCUPIED BANDWIDTH

Occupied Bandwidth					
802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Occupied Bandwidth (Chain0)	MHz	13.778	14.891	≤ 26	PASS
Occupied Bandwidth					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Occupied Bandwidth (Chain0)	MHz	19.607	19.555	≤ 26	PASS
Occupied Bandwidth					
802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Occupied Bandwidth (Chain0)	MHz	18.329	18.100	≤ 26	PASS
Occupied Bandwidth (Chain1)	MHz	18.602	17.923	≤ 26	PASS
Occupied Bandwidth					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Occupied Bandwidth (Chain0)	MHz	36.323	35.995	≤ 40	PASS
Occupied Bandwidth (Chain1)	MHz	36.308	35.894	≤ 40	PASS
Occupied Bandwidth					
802.11ax_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Occupied Bandwidth (Chain0)	MHz	19.185	19.033	≤ 26	PASS
Occupied Bandwidth (Chain1)	MHz	19.233	18.991	≤ 26	PASS
Occupied Bandwidth					
802.11ax_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Occupied Bandwidth (Chain0)	MHz	37.883	37.541	≤ 40	PASS
Occupied Bandwidth (Chain1)	MHz	37.856	37.523	≤ 40	PASS

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8 UNWANTED EMISSION STRENGTH

Unwanted Emission Strength (Chain 0)					
802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.1977	0.1706	≤ 2.50	PASS
	MHz	2354.10	2342.20	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	4.8084	0.1694	≤ 25.00	PASS
	MHz	2398.87	2387.42	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.1698	5.5976	≤ 25.00	PASS
	MHz	2491.91	2484.63	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.3681	0.3192	≤ 2.50	PASS
	MHz	3938.00	3820.00	-----	
Unwanted Emission Strength (Chain 0)					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.5309	0.1954	≤ 2.50	PASS
	MHz	2385.80	2334.20	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	9.6383	0.1469	≤ 25.00	PASS
	MHz	2398.66	2391.65	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.0953	15.3109	≤ 25.00	PASS
	MHz	2490.05	2484.00	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.2851	0.3373	≤ 2.50	PASS
	MHz	5072.50	3855.00	-----	
Unwanted Emission Strength (Chain 0&1)					
802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.3589	0.1675	≤ 1.25	PASS
	MHz	2386.40	2351.90	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	8.3560	0.1603	≤ 12.50	PASS
	MHz	2399.69	2399.61	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.1644	9.8855	≤ 12.50	PASS
	MHz	2485.16	2483.62	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.4416	0.3846	≤ 1.25	PASS
	MHz	3804.00	3716.00	-----	
Under 2387MHz (Chain1)	μW/MHz	0.1510	0.1778	≤ 1.25	PASS
	MHz	2386.50	2288.80	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	7.8886	0.1483	≤ 12.50	PASS
	MHz	2399.99	2392.10	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.1337	9.0157	≤ 12.50	PASS
	MHz	2483.99	2483.70	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.2871	0.3981	≤ 1.25	PASS
	MHz	3735.50	3793.00	-----	

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Unwanted Emission Strength (Total)					
802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz	μW/MHz	0.5099	0.3453	≤ 2.50	PASS
	MHz	2386.50	2351.90	-----	
2387 ~ 2400MHz	μW/MHz	16.2446	0.3086	≤ 25.00	PASS
	MHz	2399.99	2399.61	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.2981	18.9012	≤ 25.00	PASS
	MHz	2485.16	2483.70	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.7286	0.7827	≤ 2.50	PASS
	MHz	3804.00	3793.00	-----	
Unwanted Emission Strength (Chain 0&1)					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.9506	0.1824	≤ 1.25	PASS
	MHz	2385.70	2248.30	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	3.1696	0.2773	≤ 12.50	PASS
	MHz	2399.99	2397.50	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.1698	4.9774	≤ 12.50	PASS
	MHz	2483.67	2483.78	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.2793	0.3573	≤ 1.25	PASS
	MHz	3847.50	3883.50	-----	
Under 2387MHz (Chain1)	μW/MHz	0.7482	0.1770	≤ 1.25	PASS
	MHz	2386.82	2326.00	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	2.7040	0.3192	≤ 12.50	PASS
	MHz	2399.93	2399.28	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.2371	7.2277	≤ 12.50	PASS
	MHz	2484.62	2483.66	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.2864	0.3420	≤ 1.25	PASS
	MHz	3827.00	3875.50	-----	
Unwanted Emission Strength (Total)					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 2387MHz	μW/MHz	1.6988	0.3594	≤ 2.50	PASS
	MHz	2386.82	2326.00	-----	
2387 ~ 2400MHz	μW/MHz	5.8735	0.5965	≤ 25.00	PASS
	MHz	2399.99	2399.28	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.4070	12.2051	≤ 25.00	PASS
	MHz	2484.62	2483.78	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.5657	0.6993	≤ 2.50	PASS
	MHz	3847.50	3883.50	-----	

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Unwanted Emission Strength (Chain 0&1)					
802.11ax_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.190	0.171	≤ 1.25	PASS
	MHz	2386.67	2307.10	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	10.765	0.136	≤ 12.50	PASS
	MHz	2399.91	2399.70	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.137	5.998	≤ 12.50	PASS
	MHz	2488.52	2483.96	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.337	0.335	≤ 1.25	PASS
	MHz	3886.00	3824.00	-----	
Under 2387MHz (Chain1)	μW/MHz	0.378	0.172	≤ 1.25	PASS
	MHz	2386.75	2352.20	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	10.715	0.168	≤ 12.50	PASS
	MHz	2399.95	2394.97	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.149	10.740	≤ 12.50	PASS
	MHz	2486.64	2483.75	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.330	0.364	≤ 1.25	PASS
	MHz	3815.50	3859.00	-----	
Unwanted Emission Strength (Total)					
802.11ax_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz	μW/MHz	0.5681	0.3424	≤ 2.50	PASS
	MHz	2386.75	2352.20	-----	
2387 ~ 2400MHz	μW/MHz	21.4798	0.3040	≤ 25.00	PASS
	MHz	2399.95	2399.70	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.2867	16.7378	≤ 25.00	PASS
	MHz	2488.52	2483.96	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.6669	0.6989	≤ 2.50	PASS
	MHz	3886.00	3859.00	-----	

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Unwanted Emission Strength (Chain 0&1)					
802.11ax_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.9311	0.1531	≤ 1.25	PASS
	MHz	2386.85	2382.30	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	2.6122	0.3184	≤ 12.50	PASS
	MHz	2394.60	2399.72	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.1778	7.2778	≤ 12.50	PASS
	MHz	2484.82	2483.51	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.3606	0.2825	≤ 1.25	PASS
	MHz	3878.50	3791.50	-----	
Under 2387MHz (Chain1)	μW/MHz	0.8375	0.1742	≤ 1.25	PASS
	MHz	2385.35	2362.60	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	3.2137	0.7015	≤ 12.50	PASS
	MHz	2400.00	2399.99	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.2754	9.1622	≤ 12.50	PASS
	MHz	2483.67	2483.52	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.2864	0.3304	≤ 1.25	PASS
	MHz	3754.00	3784.00	-----	
Unwanted Emission Strength (Total)					
802.11ax_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 2387MHz	μW/MHz	1.7686	0.3273	≤ 2.50	PASS
	MHz	2386.85	2382.30	-----	
2387 ~ 2400MHz	μW/MHz	5.8258	1.0199	≤ 25.00	PASS
	MHz	2400.00	2399.99	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.4533	16.4400	≤ 25.00	PASS
	MHz	2484.82	2483.52	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.6470	0.6129	≤ 2.50	PASS
	MHz	3878.50	3791.50	-----	

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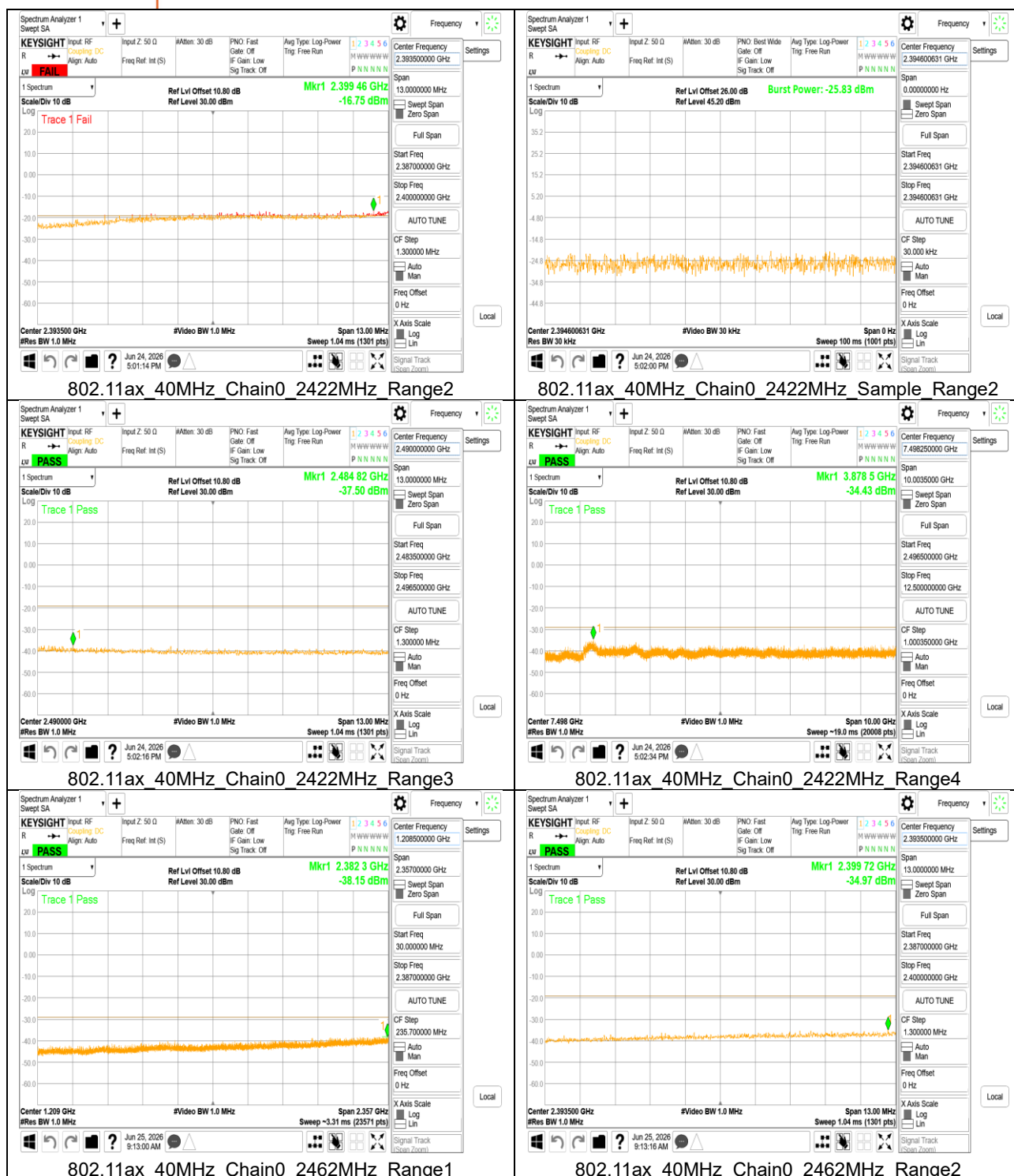
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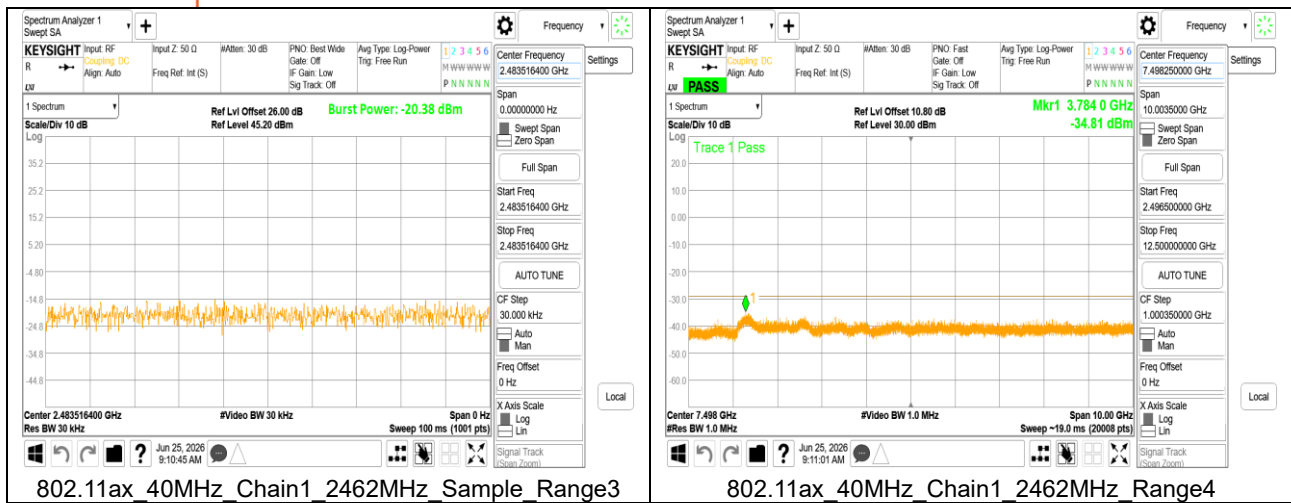
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9 SECONDARILY EMITTED RADIO WAVE STRENGTH

Secondarily emitted radio wave strength					
802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 1GHz (Chain0)	nW	0.740	0.029	≤ 4.00	PASS
	MHz	739.70	730.50	-----	
1 - 12.5GHz (Chain0)	nW	2.377	0.088	≤ 20.00	PASS
	MHz	3374.00	2163.00	-----	
Secondarily emitted radio wave strength					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 1GHz (Chain0)	nW	0.452	0.036	≤ 4.00	PASS
	MHz	739.70	745.30	-----	
1 - 12.5GHz (Chain0)	nW	0.118	0.294	≤ 20.00	PASS
	MHz	2165.00	2166.00	-----	
Secondarily emitted radio wave strength					
802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 1GHz (Chain0)	nW	0.622	0.267	≤ 2.00	PASS
	MHz	744.70	736.40	-----	
1 - 12.5GHz (Chain0)	nW	0.166	0.208	≤ 10.00	PASS
	MHz	2166.00	2166.00	-----	
Under 1GHz (Chain1)	nW	0.543	0.148	≤ 2.00	PASS
	MHz	91.00	91.00	-----	
1 - 12.5GHz (Chain1)	nW	0.161	0.006	≤ 10.00	PASS
	MHz	3498.05	2518.02	-----	
Under 1GHz (Chain0+1)	nW	1.166	0.415	≤ 4.00	PASS
	MHz	744.70	736.40	-----	
1 - 12.5GHz (Chain0+1)	nW	0.327	0.215	≤ 20.00	PASS
	MHz	3498.05	2518.02	-----	

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Secondarily emitted radio wave strength					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 1GHz (Chain0)	nW	0.311	0.001	≤ 2.00	PASS
	MHz	730.40	746.50	-----	
1 - 12.5GHz (Chain0)	nW	0.353	0.093	≤ 10.00	PASS
	MHz	2152.00	5263.00	-----	
Under 1GHz (Chain1)	nW	0.068	0.062	≤ 2.00	PASS
	MHz	101.80	91.10	-----	
1 - 12.5GHz (Chain1)	nW	0.710	0.317	≤ 10.00	PASS
	MHz	1855.00	1827.00	-----	
Under 1GHz (Chain0+1)	nW	0.379	0.064	≤ 4.00	PASS
	MHz	730.40	746.50	-----	
1 - 12.5GHz (Chain0+1)	nW	1.063	0.410	≤ 20.00	PASS
	MHz	2152.00	5263.00	-----	
Secondarily emitted radio wave strength					
802.11ax_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 1GHz (Chain0)	nW	0.032	0.039	≤ 2.00	PASS
	MHz	734.10	730.70	-----	
1 - 12.5GHz (Chain0)	nW	0.284	0.193	≤ 10.00	PASS
	MHz	2414.00	2153.00	-----	
Under 1GHz (Chain1)	nW	0.092	0.000	≤ 2.00	PASS
	MHz	91.00	902.30	-----	
1 - 12.5GHz (Chain1)	nW	2.642	0.002	≤ 10.00	PASS
	MHz	5255.00	2508.63	-----	
Under 1GHz (Chain0+1)	nW	0.124	0.039	≤ 4.00	PASS
	MHz	734.10	902.30	-----	
1 - 12.5GHz (Chain0+1)	nW	2.926	0.195	≤ 20.00	PASS
	MHz	5255.00	2508.63	-----	

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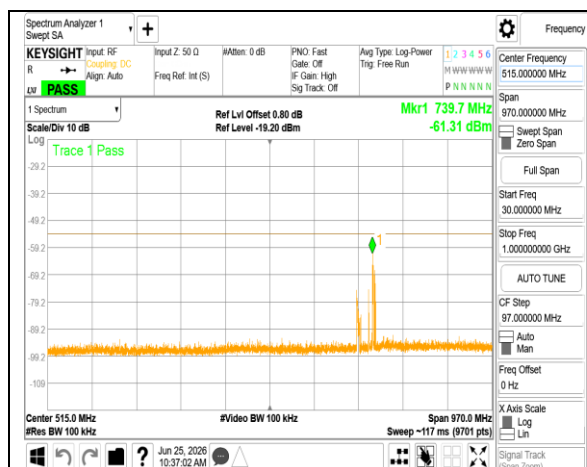
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Secondarily emitted radio wave strength					
802.11ax_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 1GHz (Chain0)	nW	0.164	0.008	$\leq$ 2.00	PASS
	MHz	730.80	729.70	-----	
1 - 12.5GHz (Chain0)	nW	0.082	0.182	$\leq$ 10.00	PASS
	MHz	2134.00	2151.00	-----	
Under 1GHz (Chain1)	nW	0.132	0.130	$\leq$ 2.00	PASS
	MHz	896.20	91.00	-----	
1 - 12.5GHz (Chain1)	nW	1.109	0.769	$\leq$ 10.00	PASS
	MHz	3486.00	3402.00	-----	
Under 1GHz (Chain0+1)	nW	0.296	0.138	$\leq$ 4.00	PASS
	MHz	896.20	729.70	-----	
1 - 12.5GHz (Chain0+1)	nW	1.191	0.951	$\leq$ 20.00	PASS
	MHz	3486.00	3402.00	-----	

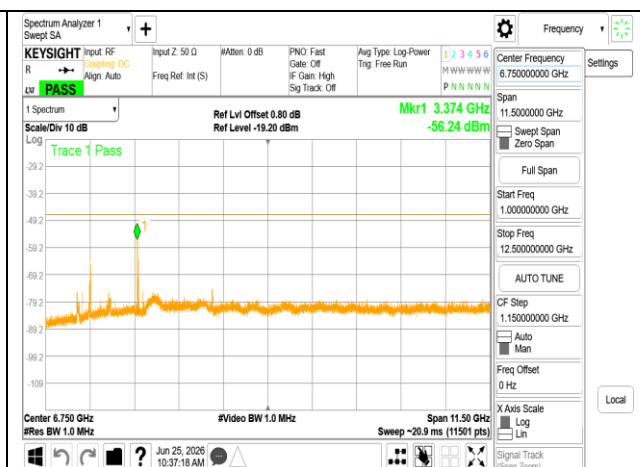
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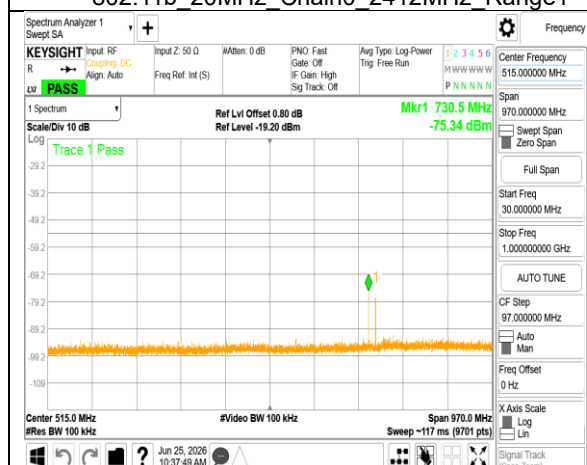
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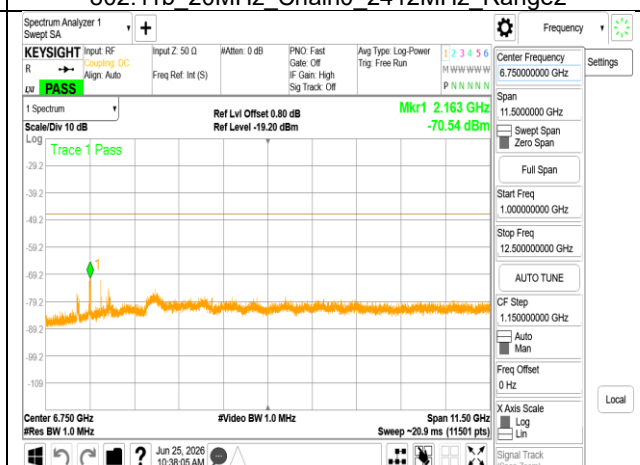
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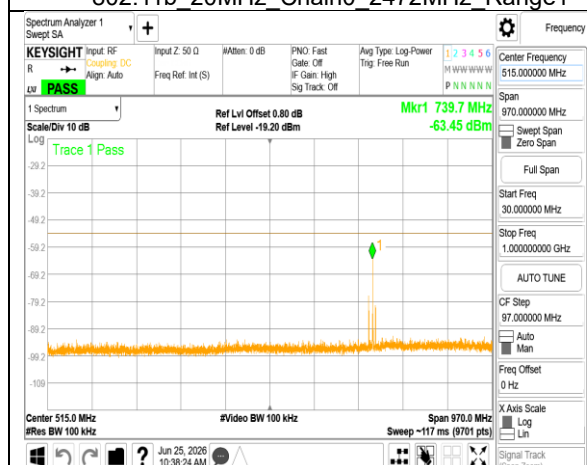
802.11b 20MHz Chain0 2412MHz Range2



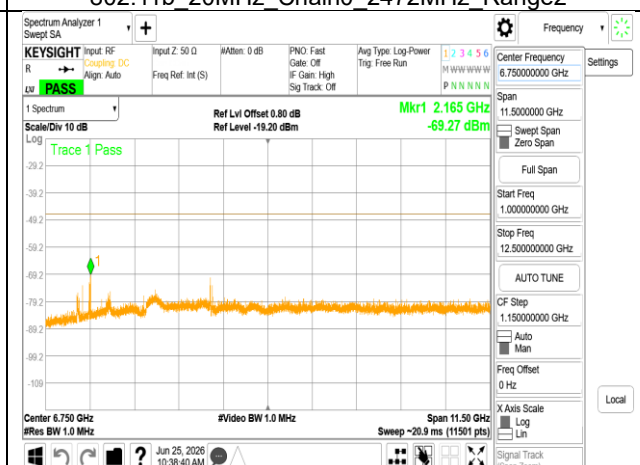
802.11b 20MHz Chain0 2472MHz Range1



802.11b 20MHz Chain0 2472MHz Range2



802.11g 20MHz Chain0 2412MHz Range1



802.11g 20MHz Chain0 2412MHz Range2

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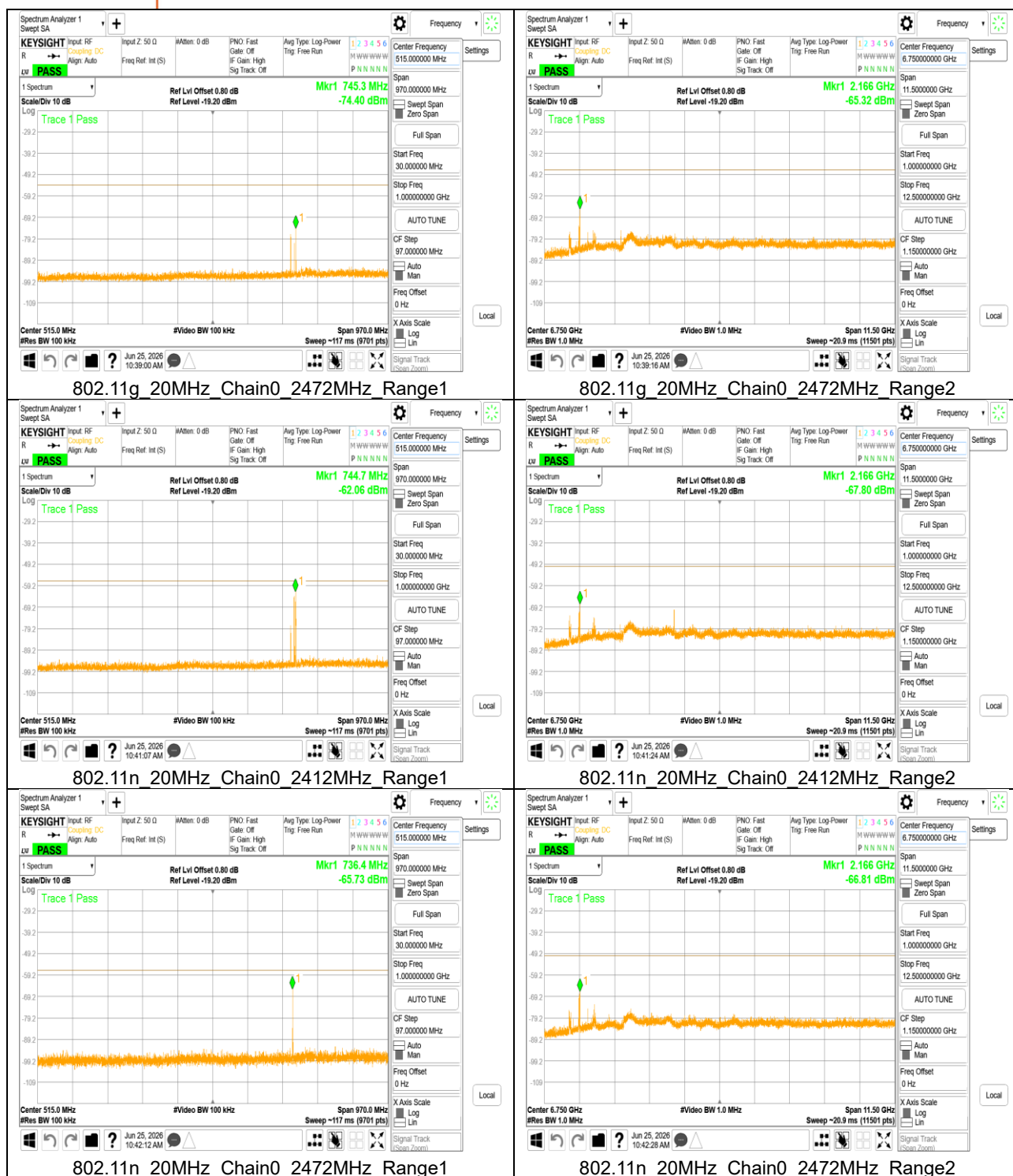
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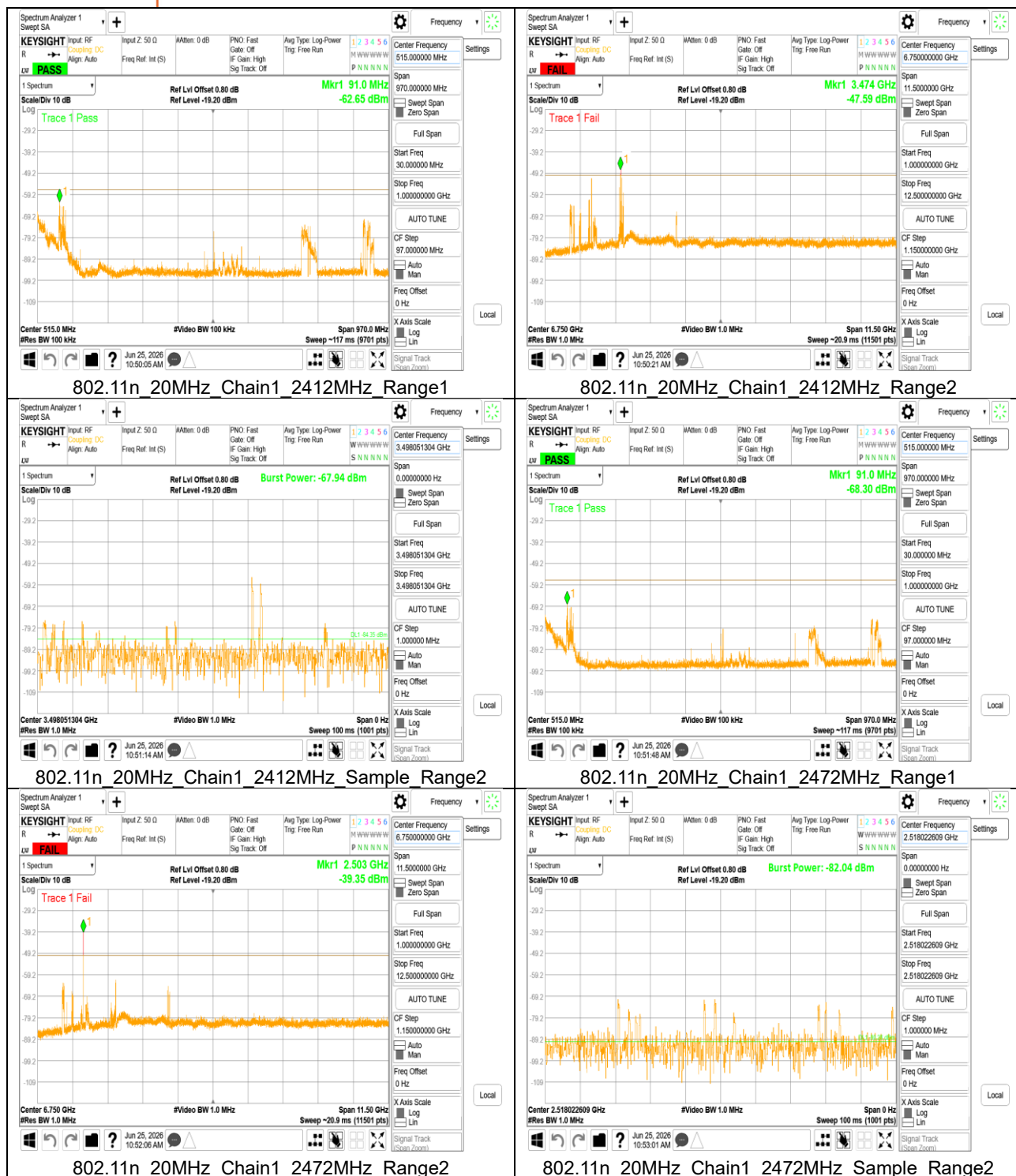
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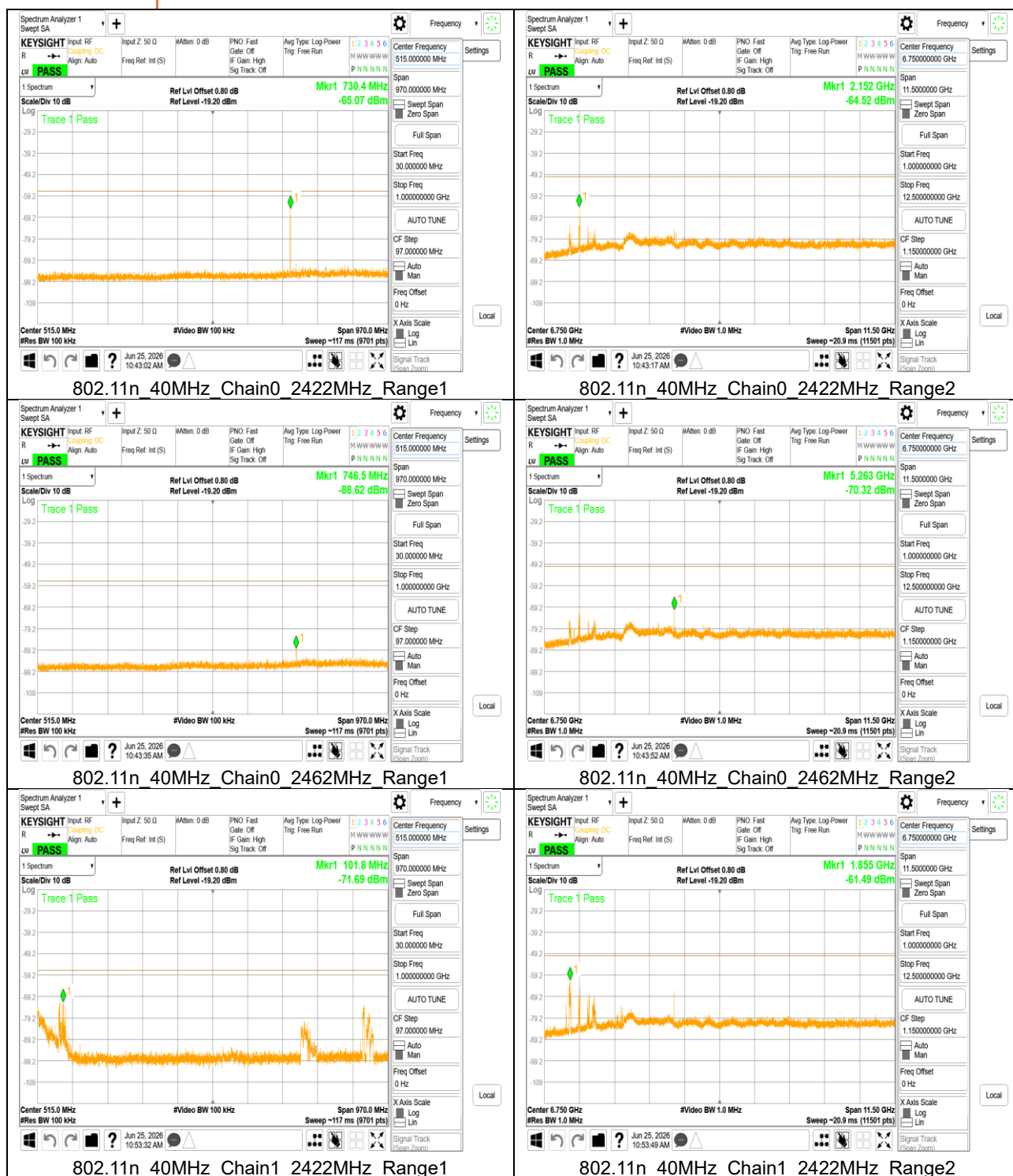
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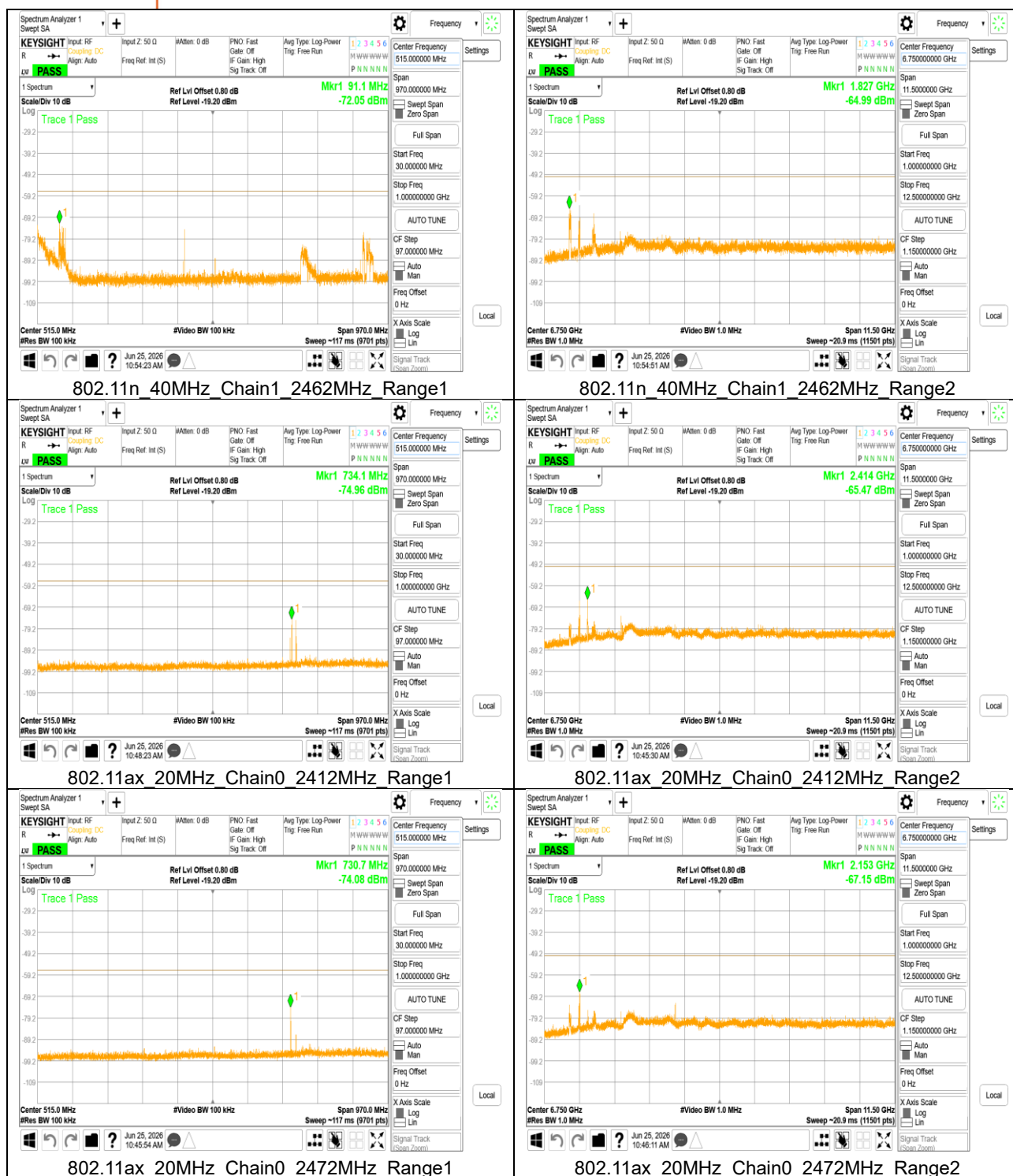
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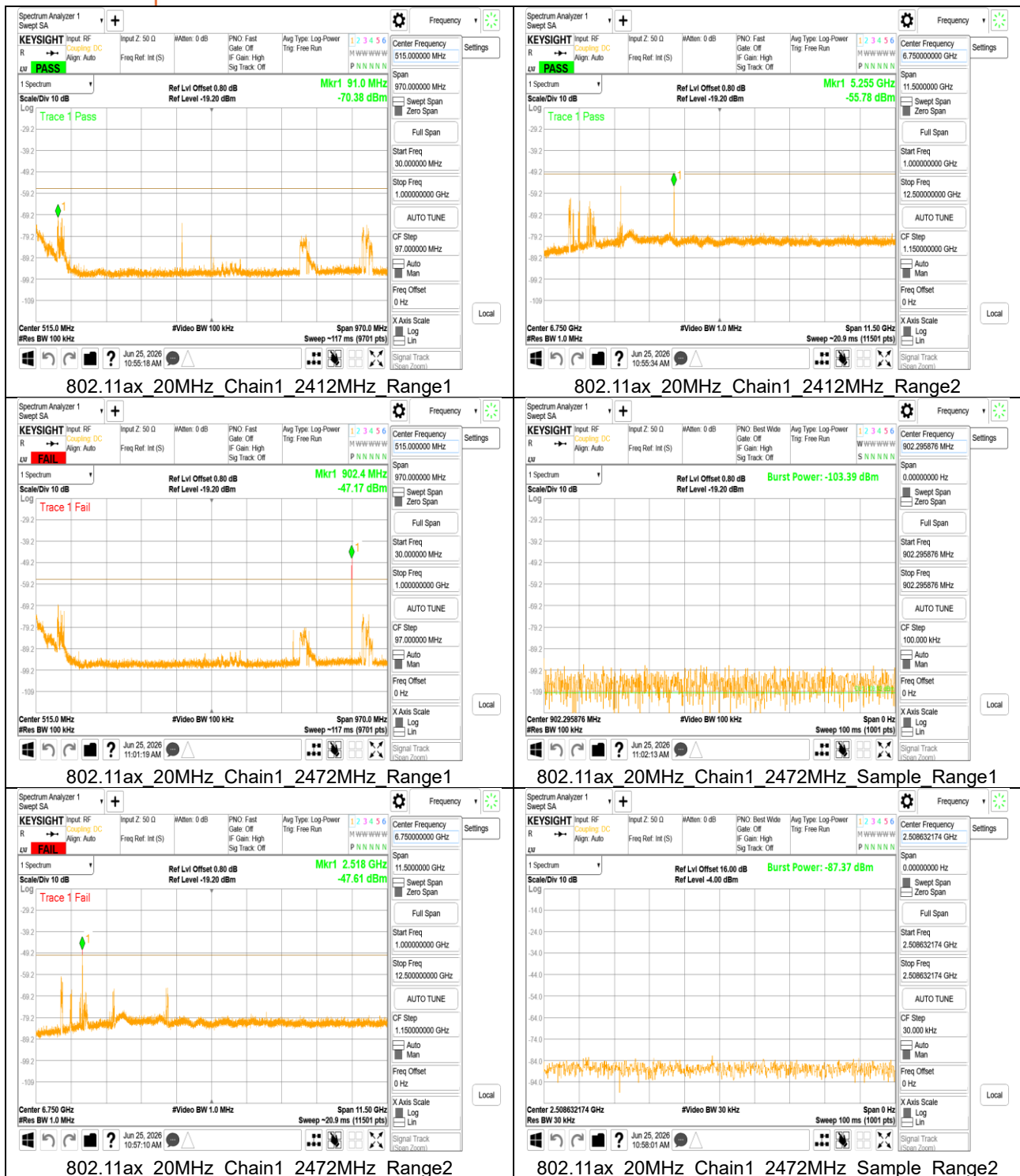
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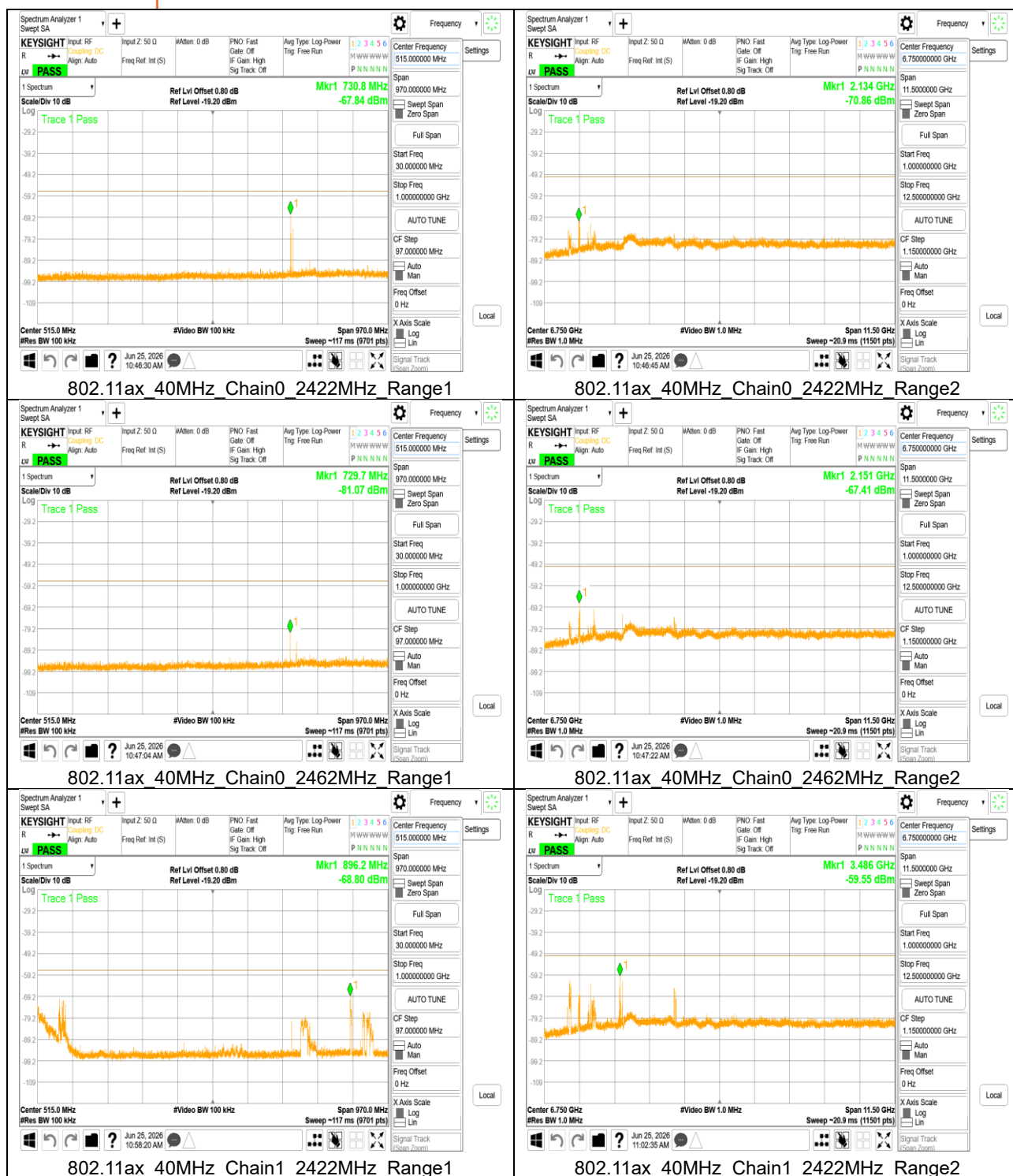
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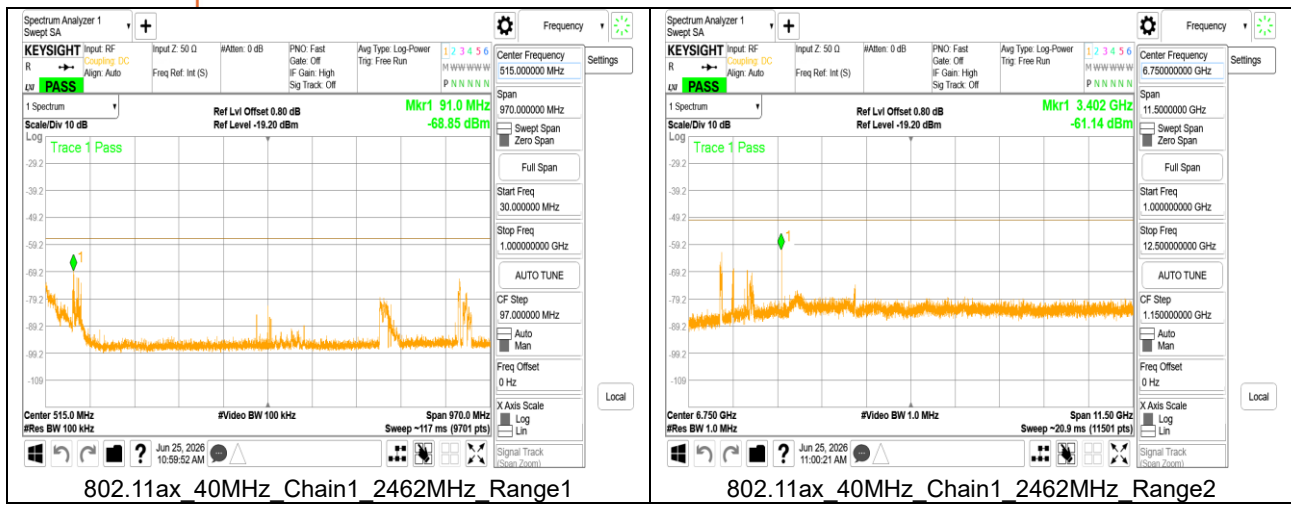
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10 CARRIER SENSE

Carrier Sense					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Interference Level	dBm	-52.05	-53.20	-----	PASS
Carrier Sense Function	-----	PASS	PASS	-----	
Carrier Sense					
802.11ax_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Interference Level	dBm	-50.05	-49.20	-----	PASS
Carrier Sense Function	-----	PASS	PASS	-----	

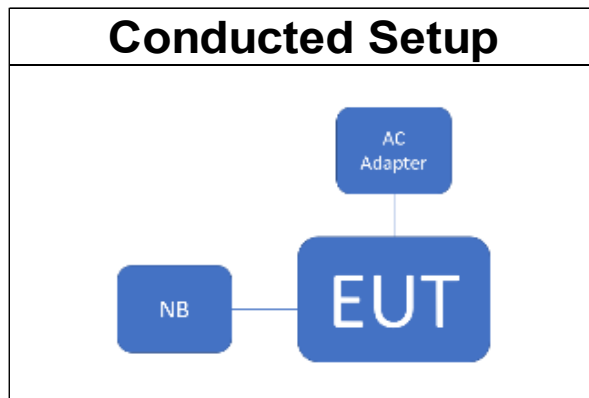
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11 TEST SETUP

11.1 Setup Diagram



~ End of Report ~

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