

JAPAN MIC

Radio Test Report

Applicant: INVENTEC CORPORATION
No.66, Hougang Street, Shilin District, Taipei City, Taiwan.

Manufacturer: HP Inc.
1501 Page Mill Road, Palo Alto CA 94304 USA

Product Name: WLAN module

Brand Name: HP

Model No.: HSC-I014RWL

Report Number: TERF2604001400E2

Place of Testing SGS Taiwan Ltd. Central RF Lab
No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803.

Test Result PASS

Classification of Specified Radio Equipment Article 2 Clause 1 Item 19

Date of EUT Received: April 22, 2026

Date of Test: April 23, 2026 ~ May 26, 2026

Issue Date: July 02, 2026

Approved By: _____

Chun Chieh Chen

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 Annex 43 of Article 88, Paragraph 1 or the test method more than equivalent.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2604001400E2	00	Original	June 26, 2026	Mini Yeh	
TERF2604001400E2	01	Update Section 1.2	July 02, 2026	Mini Yeh	*

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.

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1 DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)

1.1 Product Description

Product Name:	WLAN module
Brand Name:	HP
Model No.:	HSC-I014RWL
Hardware Version:	N/A
Firmware Version:	N/A
Power Supply:	4 Vdc

1.2 RF Specification

Type, frequency of
transmittable radio wave and
rated output

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

802.11 b: **8.228 mW/MHz**

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

802.11 g: **5.505 mW/MHz**

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

802.11n20: **4.096 mW/MHz**

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

802.11n40: **2.150 mW/MHz**

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

802.11ax20/be20: **0.981 mW/MHz**

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

802.11ax40/be40: **0.524 mW/MHz**

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1.3 Antenna Designation

Antenna Type	Supplier	Antenna Port	Part Number	Peak Gain (dBi)
PIFA	Vendor 1	Main	6036B0396101 (81EAB615.GBC)	2.61
		Aux	6036B0396201 (81EAB615.GBB)	2.66
PIFA	Vendor 2	Main	WA-P-LE-02-460	1.84
		Aux	WA-P-LE-02-459	1.88
PIFA	Vendor 1	Main	6036B0395901 (81EAB615.GBE)	2.65
		Aux	6036B0396001 (81EAB615.GBD)	2.58
PIFA	Vendor 2	Main	WA-P-LE-02-462	2.52
		Aux	WA-P-LE-02-461	2.79
PIFA	Vendor 1	Main	6036B0395701 (81EAB615.GBG)	2.14
		Aux	6036B0395801 (81EAB615.GBF)	2.51
PIFA	Vendor 2	Main	WA-P-LE-02-464	2.54
		Aux	WA-P-LE-02-463	2.66

Note:

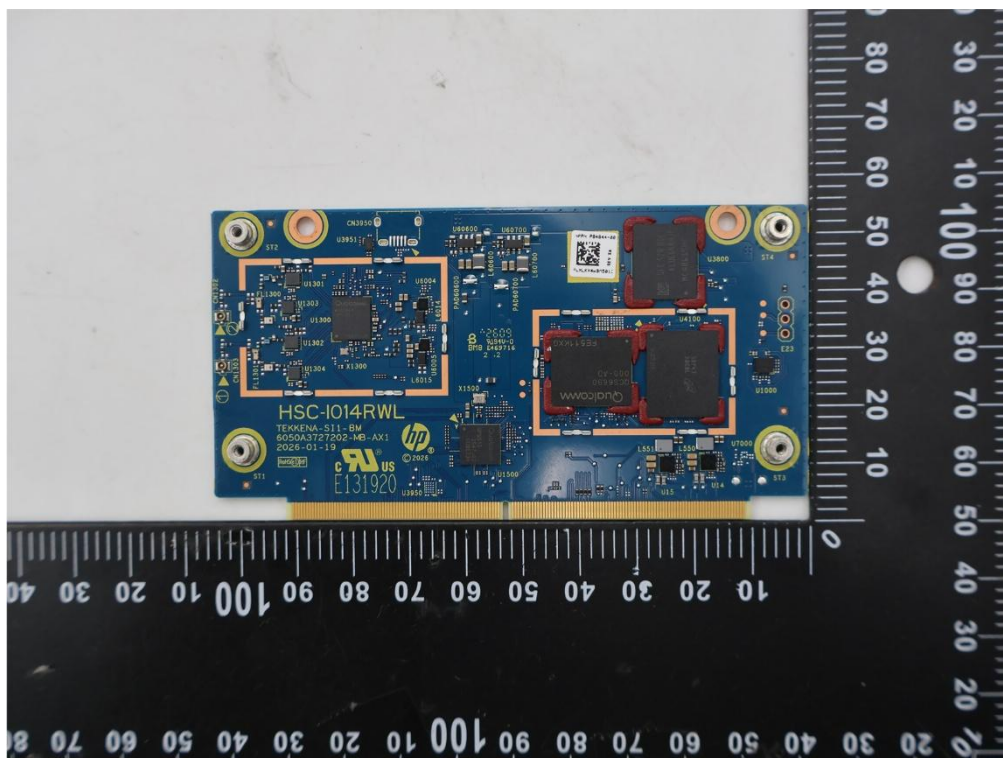
The antenna information is provided by the applicant, and the laboratory shall not be held liable for the accuracy, completeness, or reliability of any applicant-supplied data.

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1.4 Assemble (Not easy open)

The RF chip pin distance is less than 0.5mm, so it can't be easily replaced.



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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 (2TX 2RX)

	unit	-----	-----	Limit	Result
Ambient Temperature	°C	22-26		≥ 5 ≤ 35	PASS
Relative Humidity	%	55-60		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	4		-----	-----
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	12.62		-----	-----
Off Time (Burst wave)	msec	0.02		-----	-----
Ratio (Burst wave)	%	99.84		-----	-----

802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Declaration Output Power	mW/MHz	8.228		≤ 10	PASS
	dBm/MHz	9.153		≤ 10	PASS
E.I.R.P.	dBm/MHz	11.79	11.65	< 12.14	PASS
Peak Antenna Gain (Chain0)	dBi	2.52		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.79		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	1.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	1.41		-----	-----
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 (2TX 2RX)			

	unit	-----	-----	Limit	Result
Ambient Temperature	°C	22-26		≥ 5 ≤ 35	PASS
Relative Humidity	%	55-60		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	4		-----	-----
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)	%	99.15		-----	-----

802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Declaration Output Power	mW/MHz	5.505		≤ 10	PASS
	dBm/MHz	7.407		≤ 10	PASS
E.I.R.P.	dBm/MHz	9.73	10.05	< 12.14	PASS
Peak Antenna Gain (Chain0)	dBi	2.52		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.79		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	1.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	1.41		-----	-----
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	°C	22-26		≥ 5 ≤ 35	PASS
Relative Humidity	%	55-60		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	4		-----	-----
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)	%	99.67		-----	-----

802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Declaration Output Power	mW/MHz	4.096		≤ 10	PASS
	dBm/MHz	6.123		≤ 10	PASS
E.I.R.P.	dBm/MHz	8.77	8.69	< 12.14	PASS
Peak Antenna Gain (Chain0)	dBi	2.52		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.79		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	1.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	1.41		-----	-----
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	22-26		$\geq$ 5 $\leq$ 35	PASS
Relative Humidity	%	55-60		$\geq$ 45 $\leq$ 85	PASS
Input Power Voltage	VDC	4		-----	-----
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)	%	99.67		-----	-----

802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Declaration Output Power	mW/MHz	2.150		≤ 5	PASS
	dBm/MHz	3.325		≤ 6.99	PASS
E.I.R.P.	dBm/MHz	5.95	5.74	< 9.13	PASS
Peak Antenna Gain (Chain0)	dBi	2.52		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.79		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	1.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	1.41		-----	-----
Interference Prevention Function	-----	PASS	PASS	-----	PASS

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

	unit	-----	-----	Limit	Result
Ambient Temperature	°C	22-26		≥ 5 ≤ 35	PASS
Relative Humidity	%	55-60		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	4		-----	-----
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)	%	99.69		-----	-----

802.11be_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Declaration Output Power	mW/MHz	0.981		≤ 10	PASS
	dBm/MHz	-0.082		≤ 10	PASS
E.I.R.P.	dBm/MHz	2.56	2.17	< 12.14	PASS
Peak Antenna Gain (Chain0)	dBi	2.52		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.79		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	1.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	1.41		-----	-----
Interference Prevention Function	-----	PASS	PASS	-----	PASS

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

	unit	-----	-----	Limit	Result
Ambient Temperature	°C	22-26		≥ 5 ≤ 35	PASS
Relative Humidity	%	55-60		≥ 45 ≤ 85	PASS
Input Power Voltage	VDC	4		-----	-----
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)	%	99.69		-----	-----

802.11be_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Declaration Output Power	mW/MHz	0.524		≤ 5	PASS
	dBm/MHz	-2.804		≤ 6.99	PASS
E.I.R.P.	dBm/MHz	-0.72	-0.16	< 9.13	PASS
Peak Antenna Gain (Chain0)	dBi	2.52		-----	-----
Peak Antenna Gain (Chain1)	dBi	2.79		-----	-----
Tested Circuit Insertion Loss (Chain0)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (Chain1)	dB	11.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain0)	dB	1.41		-----	-----
Tested Circuit Insertion Loss (RX_Chain1)	dB	1.41		-----	-----
Interference Prevention Function	-----	PASS	PASS	-----	PASS

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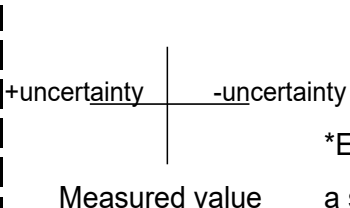
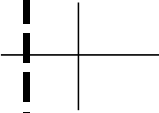
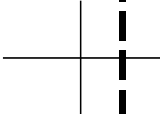
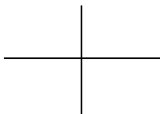
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3 ABOUT UNCERTAINTY OF MEASURED VALUE

- *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 1						
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	Calibration Authority	Cal. Method
Attenuator	Mini-Circuits	BW-S10W2+	2	12/07/2025	SGS	C)
DC Block	Mini-Circuits	BLK-18-S+	10	12/07/2025	SGS	C)
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071571	06/24/2025	ETC	C)
Power Meter	Anritsu	ML2496A	1242004	10/23/2025	ETC	C)
Power Sensor	Anritsu	MA2411B	1207365	11/06/2025	ETC	C)
Power Sensor	Anritsu	MA2411B	1207368	10/23/2025	ETC	C)
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N/A	N/A

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	4.657	4.550	≤ 5.000	PASS
	dBm/MHz	6.6810	6.5798	≤ 6.990	
RF Output Power (Chain1)	mW/MHz	3.571	3.418	≤ 5.000	PASS
	dBm/MHz	5.5281	5.3380	≤ 6.990	
Total Output Power (Chain0+1)	mW/MHz	8.228	7.968	≤ 10	PASS
	dBm/MHz	9.153	9.013	≤ 10	
RF Output Power Tolerance (Chain0+1)	%	0.00	-3.16	≤ 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	2.864	3.055	≤ 5.000	PASS
	dBm/MHz	4.5691	4.8498	≤ 6.990	
RF Output Power (Chain1)	mW/MHz	2.254	2.450	≤ 5.000	PASS
	dBm/MHz	3.5297	3.8913	≤ 6.990	
Total Output Power (Chain0+1)	mW/MHz	5.118	5.505	≤ 10	PASS
	dBm/MHz	7.091	7.407	≤ 10	
RF Output Power Tolerance (Chain0+1)	%	-7.03	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	2.255	2.191	≤ 5.000	PASS
	dBm/MHz	3.5315	3.4065	≤ 6.990	
RF Output Power (Chain1)	mW/MHz	1.841	1.833	≤ 5.000	PASS
	dBm/MHz	2.6497	2.6306	≤ 6.990	
Total Output Power (Chain0+1)	mW/MHz	4.096	4.024	≤ 10	PASS
	dBm/MHz	6.123	6.046	≤ 10	
RF Output Power Tolerance (Chain0+1)	%	0.00	-1.76	≤ 20	PASS

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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	1.293	1.113	≤ 2.500	PASS
	dBm/MHz	1.1150	0.46455	≤ 3.979	
RF Output Power (Chain1)	mW/MHz	0.858	0.928	≤ 2.500	PASS
	dBm/MHz	-0.66698	-0.32224	≤ 3.979	
Total Output Power (Chain0+1)	mW/MHz	2.150	2.041	≤ 5	PASS
	dBm/MHz	3.325	3.099	≤ 6.99	
RF Output Power Tolerance (Chain0+1)	%	0.00	-5.07	≤ 20	PASS

RF Output Power					
802.11be_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
RF Output Power (Chain0)	mW/MHz	0.542	0.527	≤ 5.000	PASS
	dBm/MHz	-2.6605	-2.7833	≤ 6.990	
RF Output Power (Chain1)	mW/MHz	0.439	0.372	≤ 5.000	PASS
	dBm/MHz	-3.5719	-4.2995	≤ 6.990	
Total Output Power (Chain0+1)	mW/MHz	0.981	0.898	≤ 10	PASS
	dBm/MHz	-0.082	-0.465	≤ 10	
RF Output Power Tolerance (Chain0+1)	%	0.00	-8.45	≤ 20	PASS

RF Output Power					
802.11be_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
RF Output Power (Chain0)	mW/MHz	0.255	0.291	≤ 2.500	PASS
	dBm/MHz	-5.9315	-5.3617	≤ 3.979	
RF Output Power (Chain1)	mW/MHz	0.206	0.233	≤ 2.500	PASS
	dBm/MHz	-6.8602	-6.3202	≤ 3.979	
Total Output Power (Chain0+1)	mW/MHz	0.461	0.524	≤ 5	PASS
	dBm/MHz	-3.361	-2.804	≤ 6.99	
RF Output Power Tolerance (Chain0+1)	%	-12.03	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	2412.042	2472.042	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	17.41294	16.99029	≤ 50.00	
Reading Frequency (Chain1)	MHz	2412.036	2472.039	≥ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	14.92537	15.77670	≤ 50.00	
Frequency Tolerance					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Reading Frequency (Chain0)	MHz	2411.988	2472.030	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	-4.97512	12.13592	≤ 50.00	
Reading Frequency (Chain1)	MHz	2412.045	2472.003	≥ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	18.65672	1.21359	≤ 50.00	
Frequency Tolerance					
802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Reading Frequency (Chain0)	MHz	2412.030	2471.991	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	12.43781	-3.64078	≤ 50.00	
Reading Frequency (Chain1)	MHz	2412.015	2472.009	≥ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	6.21891	3.64078	≤ 50.00	
Frequency Tolerance					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Reading Frequency (Chain0)	MHz	2422.048	2462.033	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	19.81833	13.40374	≤ 50.00	
Reading Frequency (Chain1)	MHz	2422.036	2462.027	≥ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	14.86375	10.96669	≤ 50.00	
Frequency Tolerance					
802.11be_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Reading Frequency (Chain0)	MHz	2412.021	2472.025	≥ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	8.70647	10.11327	≤ 50.00	
Reading Frequency (Chain1)	MHz	2412.022	2472.027	≥ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	9.12106	10.92233	≤ 50.00	

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Frequency Tolerance					
802.11be_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Reading Frequency (Chain0)	MHz	2422.025	2462.025	$\geq$ -50.00	PASS
Frequency Tolerance (Chain0)	ppm	10.32205	10.15435	$\leq$ 50.00	
Reading Frequency (Chain1)	MHz	2422.026	2462.028	$\geq$ -50.00	PASS
Frequency Tolerance (Chain1)	ppm	10.73493	11.37287	$\leq$ 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	12.711	12.563	≤ 26	PASS
Occupied Bandwidth (Chain1)	MHz	12.652	12.665	≤ 26	PASS
Occupied Bandwidth					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Occupied Bandwidth (Chain0)	MHz	16.657	16.664	≤ 26	PASS
Occupied Bandwidth (Chain1)	MHz	16.563	16.528	≤ 26	PASS
Occupied Bandwidth					
802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Occupied Bandwidth (Chain0)	MHz	17.671	17.664	≤ 26	PASS
Occupied Bandwidth (Chain1)	MHz	17.665	17.677	≤ 26	PASS
Occupied Bandwidth					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Occupied Bandwidth (Chain0)	MHz	36.215	36.146	≤ 40	PASS
Occupied Bandwidth (Chain1)	MHz	36.199	36.204	≤ 40	PASS
Occupied Bandwidth					
802.11be_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Occupied Bandwidth (Chain0)	MHz	19.016	18.776	≤ 26	PASS
Occupied Bandwidth (Chain1)	MHz	19.043	18.803	≤ 26	PASS
Occupied Bandwidth					
802.11be_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Occupied Bandwidth (Chain0)	MHz	37.787	37.755	≤ 40	PASS
Occupied Bandwidth (Chain1)	MHz	37.768	37.797	≤ 40	PASS

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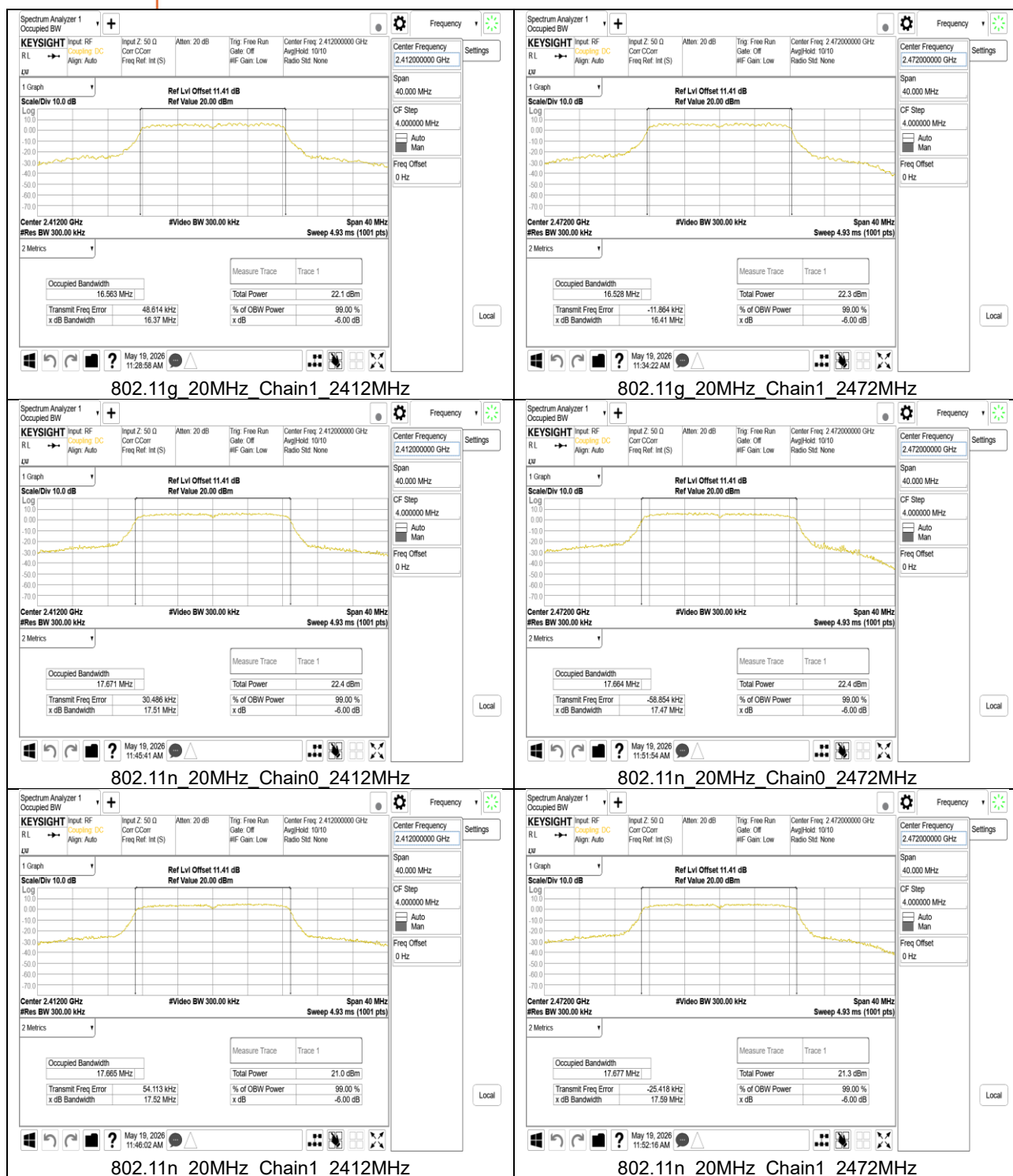
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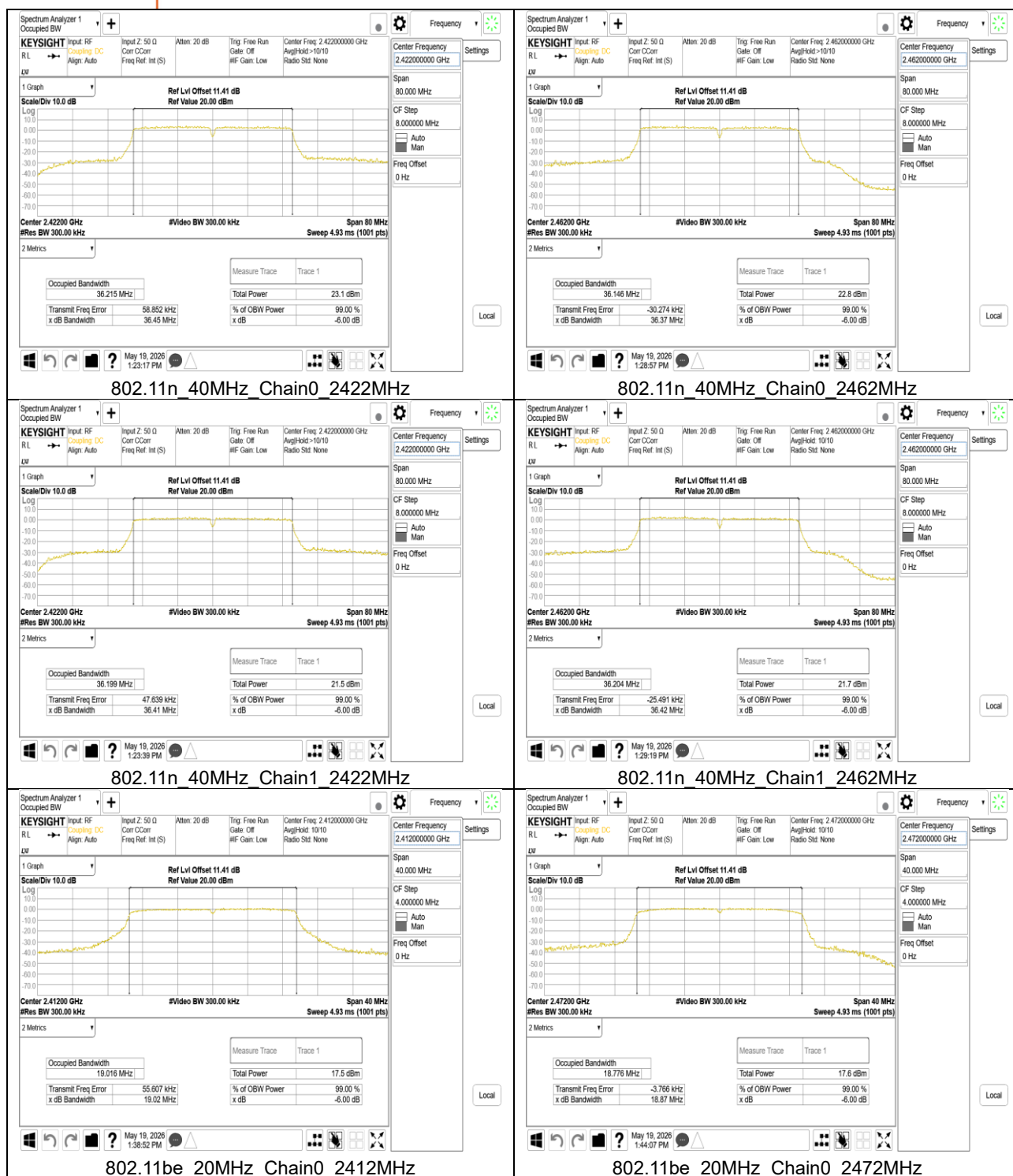
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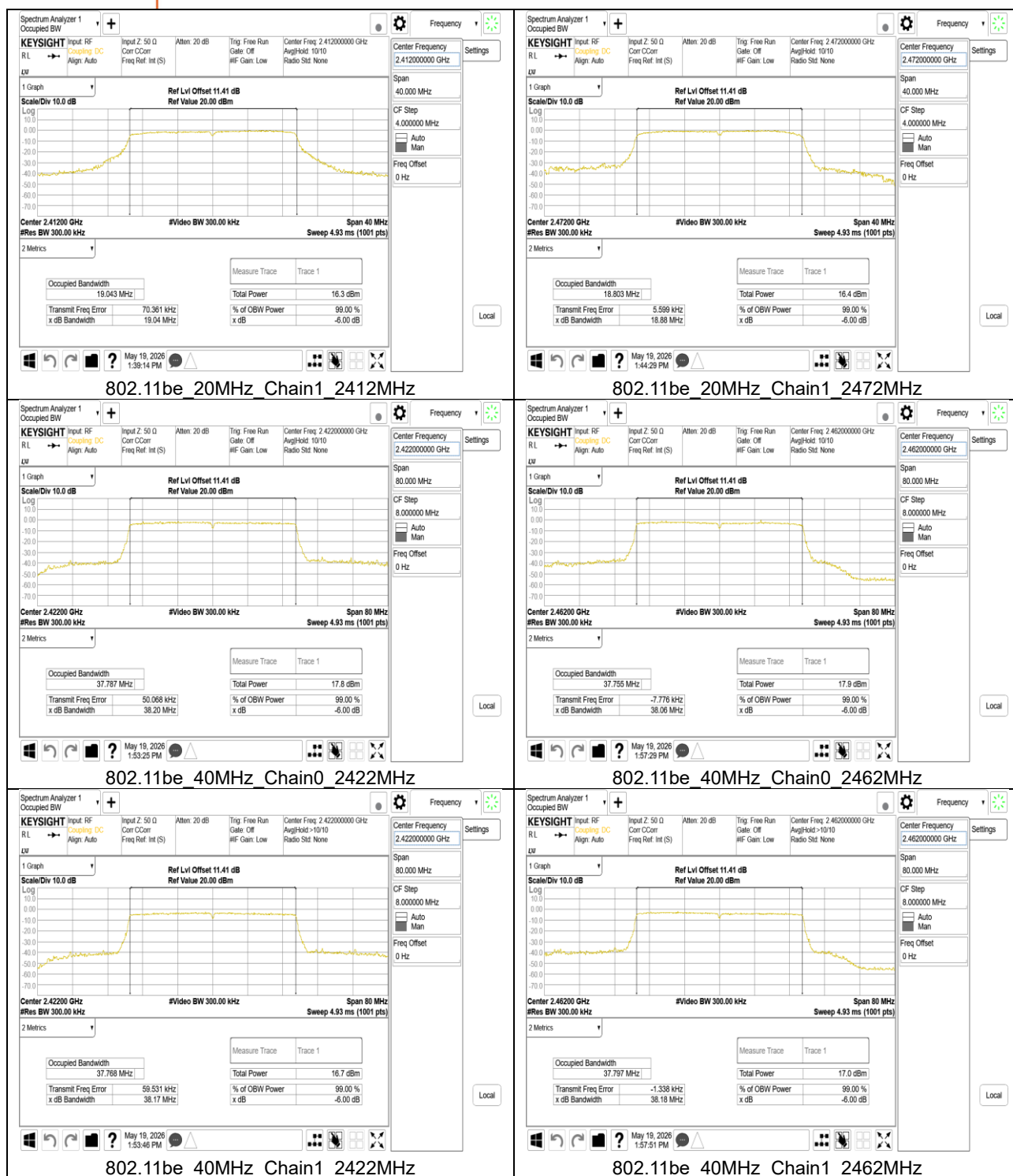
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8 UNWANTED EMISSION STRENGTH

Unwanted Emission Strength (Chain 0&1)					
802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.0216	0.0227	≤ 1.25	PASS
	MHz	2383.7	2339.9	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	1.8450	0.0282	≤ 12.50	PASS
	MHz	2399.98	2394.06	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.0228	0.1315	≤ 12.50	PASS
	MHz	2483.64	2483.52	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.0196	0.0251	≤ 1.25	PASS
	MHz	4694.0	3676.5	-----	
Under 2387MHz (Chain1)	μW/MHz	0.0239	0.0205	≤ 1.25	PASS
	MHz	2360.2	2377.3	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	1.0593	0.0367	≤ 12.50	PASS
	MHz	2399.64	2399.70	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.0237	0.1303	≤ 12.50	PASS
	MHz	2487.36	2484.74	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.0281	0.0255	≤ 1.25	PASS
	MHz	3870.0	3837.0	-----	

Unwanted Emission Strength (Total)					
802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz	μW/MHz	0.0456	0.0432	≤ 2.50	PASS
	MHz	2383.70	2377.30	-----	
2387 ~ 2400MHz	μW/MHz	2.9043	0.0649	≤ 25.00	PASS
	MHz	2399.98	2399.70	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.0465	0.2618	≤ 25.00	PASS
	MHz	2487.36	2484.74	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.0477	0.0506	≤ 2.50	PASS
	MHz	4694.00	3837.00	-----	

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Unwanted Emission Strength (Chain 0&1)					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.1667	0.0208	≤ 1.25	PASS
	MHz	2387	2383.6	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	4.2855	0.0300	≤ 12.50	PASS
	MHz	2399.77	2399.55	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.0413	1.8621	≤ 12.50	PASS
	MHz	2485.44	2485.18	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.0222	0.0267	≤ 1.25	PASS
	MHz	11406	5078	-----	
Under 2387MHz (Chain1)	μW/MHz	0.0670	0.0310	≤ 1.25	PASS
	MHz	2386.5	2386.5	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	2.1429	0.0488	≤ 12.50	PASS
	MHz	2399.35	2393.32	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.0296	2.4491	≤ 12.50	PASS
	MHz	2484.90	2484.47	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.0255	0.0254	≤ 1.25	PASS
	MHz	3786.5	8477.0	-----	

Unwanted Emission Strength (Total)					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz	μW/MHz	0.2337	0.0518	≤ 2.50	PASS
	MHz	2387.00	2386.50	-----	
2387 ~ 2400MHz	μW/MHz	6.4284	0.0787	≤ 25.00	PASS
	MHz	2399.77	2399.55	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.0709	4.3112	≤ 25.00	PASS
	MHz	2485.44	2485.18	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.0478	0.0521	≤ 2.50	PASS
	MHz	11406.00	8477.00	-----	

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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	0.1687	0.0259	≤ 1.25	PASS
	MHz	2386.7	2384.0	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	3.9719	0.0389	≤ 12.50	PASS
	MHz	2399.83	2390.86	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.0255	2.1135	≤ 12.50	PASS
	MHz	2485.99	2483.92	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.0271	0.0260	≤ 1.25	PASS
	MHz	3851.5	3809.0	-----	
Under 2387MHz (Chain1)	μW/MHz	0.0437	0.0245	≤ 1.25	PASS
	MHz	2387.0	2386.4	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	1.7100	0.0392	≤ 12.50	PASS
	MHz	2399.71	2399.48	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.0255	1.0965	≤ 12.50	PASS
	MHz	2484.42	2484.03	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.0245	0.0270	≤ 1.25	PASS
	MHz	3921.5	3719.0	-----	

Unwanted Emission Strength (Total)					
802.11n_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz	μW/MHz	0.2123	0.0504	≤ 2.50	PASS
	MHz	2387.00	2386.40	-----	
2387 ~ 2400MHz	μW/MHz	5.6819	0.0781	≤ 25.00	PASS
	MHz	2399.83	2399.48	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.0510	3.2100	≤ 25.00	PASS
	MHz	2485.99	2484.03	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.0516	0.0530	≤ 2.50	PASS
	MHz	3921.5	3809.0	-----	

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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	0.4198	0.0256	≤ 1.25	PASS
	MHz	2385.81	2386.1	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	1.5205	0.9183	≤ 12.50	PASS
	MHz	2399.76	2398.49	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.1337	1.4355	≤ 12.50	PASS
	MHz	2483.69	2483.55	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.0257	0.0228	≤ 1.25	PASS
	MHz	3929.0	10918.0	-----	
Under 2387MHz (Chain1)	μW/MHz	0.5610	0.0259	≤ 1.25	PASS
	MHz	2386.3	2386.0	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	6.2087	0.2812	≤ 12.50	PASS
	MHz	2399.45	2394.66	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.1175	3.3113	≤ 12.50	PASS
	MHz	2483.91	2483.82	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.0245	0.0251	≤ 1.25	PASS
	MHz	11214.0	4748.5	-----	

Unwanted Emission Strength (Total)					
802.11n_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 2387MHz	μW/MHz	0.9808	0.0515	≤ 2.50	PASS
	MHz	2386.30	2386.10	-----	
2387 ~ 2400MHz	μW/MHz	7.7292	1.1995	≤ 25.00	PASS
	MHz	2399.76	2398.49	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.2511	4.7468	≤ 25.00	PASS
	MHz	2483.91	2483.82	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.0503	0.0478	≤ 2.50	PASS
	MHz	11214.00	10918.00	-----	

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Unwanted Emission Strength (Chain 0&1)					
802.11be_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.046	0.020	≤ 1.25	PASS
	MHz	2386.7	2277.7	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	0.366	0.020	≤ 12.50	PASS
	MHz	2399.96	2397.00	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.019	3.192	≤ 12.50	PASS
	MHz	2485.44	2483.51	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.024	0.025	≤ 1.25	PASS
	MHz	3793.5	3872.0	-----	
Under 2387MHz (Chain1)	μW/MHz	0.029	0.014	≤ 1.25	PASS
	MHz	2386.7	2386.2	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	0.316	0.025	≤ 12.50	PASS
	MHz	2399.97	2392.15	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.017	2.891	≤ 12.50	PASS
	MHz	2483.62	2483.61	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.022	0.024	≤ 1.25	PASS
	MHz	4713.0	3787.5	-----	

Unwanted Emission Strength (Total)					
802.11be_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 2387MHz	μW/MHz	0.0750	0.0337	≤ 2.50	PASS
	MHz	2386.70	2386.20	-----	
2387 ~ 2400MHz	μW/MHz	0.6819	0.0459	≤ 25.00	PASS
	MHz	2399.97	2397.00	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.0357	6.0822	≤ 25.00	PASS
	MHz	2485.44	2483.61	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.0455	0.0487	≤ 2.50	PASS
	MHz	4713.00	3872.00	-----	

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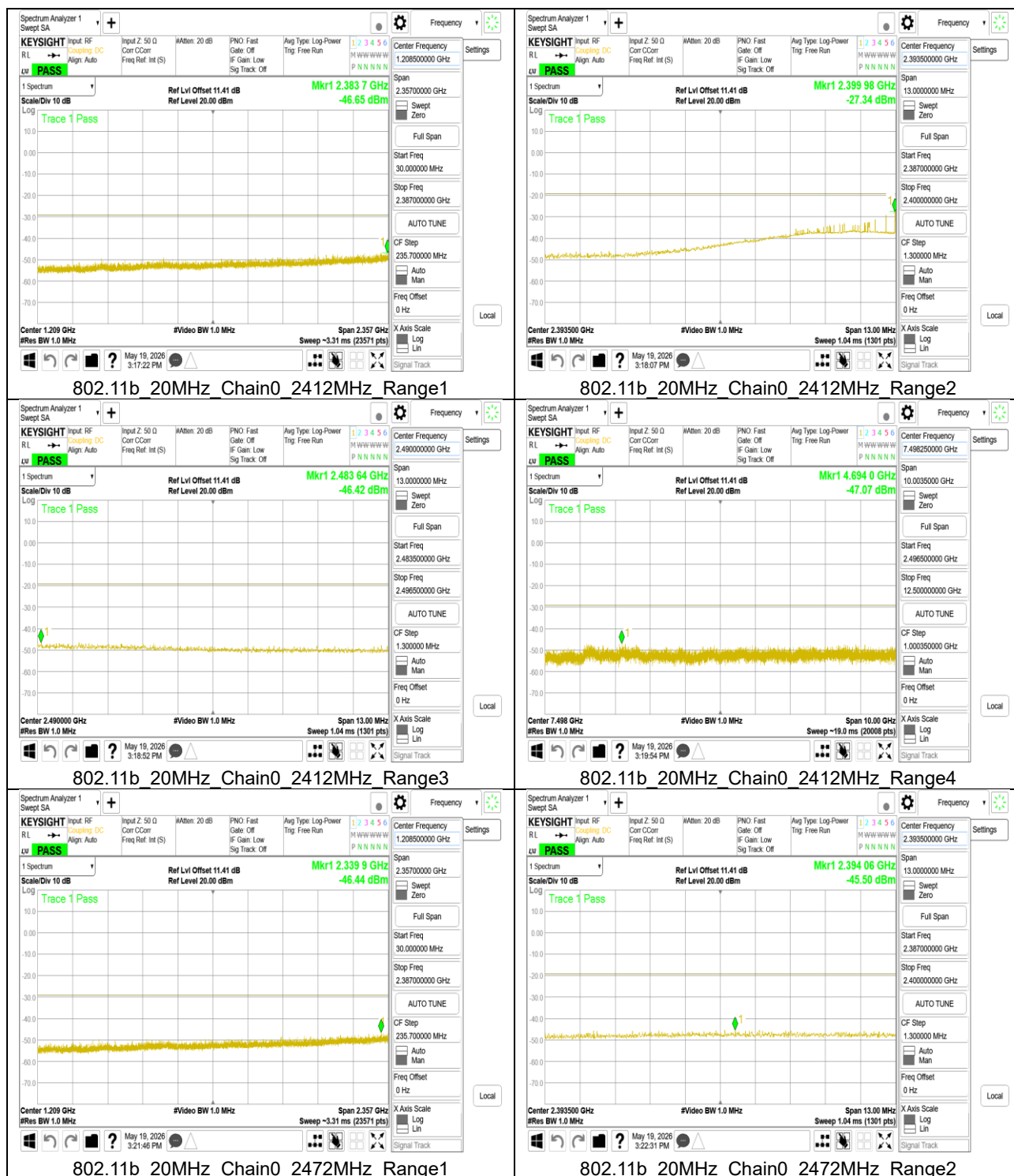
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Unwanted Emission Strength (Chain 0&1)					
802.11be_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 2387MHz (Chain0)	μW/MHz	0.1125	0.0223	≤ 1.25	PASS
	MHz	2386.8	2160.1	-----	
2387 ~ 2400MHz (Chain0)	μW/MHz	0.5200	0.0524	≤ 12.50	PASS
	MHz	2396.02	2396.94	-----	
2483.5 ~ 2496.5MHz (Chain0)	μW/MHz	0.0174	1.3092	≤ 12.50	PASS
	MHz	2486.28	2483.53	-----	
2496.5MHz ~ 12.5GHz (Chain0)	μW/MHz	0.0236	0.0271	≤ 1.25	PASS
	MHz	3840.0	3696.5	-----	
Under 2387MHz (Chain1)	μW/MHz	0.0887	0.0194	≤ 1.25	PASS
	MHz	2386.5	2340.8	-----	
2387 ~ 2400MHz (Chain1)	μW/MHz	0.4581	0.0287	≤ 12.50	PASS
	MHz	2399.95	2398.05	-----	
2483.5 ~ 2496.5MHz (Chain1)	μW/MHz	0.0172	0.4613	≤ 12.50	PASS
	MHz	2488.72	2483.60	-----	
2496.5MHz ~ 12.5GHz (Chain1)	μW/MHz	0.0243	0.0232	≤ 1.25	PASS
	MHz	3812.0	10573.0	-----	

Unwanted Emission Strength (Total)					
802.11be_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 2387MHz	μW/MHz	0.2012	0.0417	≤ 2.50	PASS
	MHz	2386.80	2340.80	-----	
2387 ~ 2400MHz	μW/MHz	0.9781	0.0811	≤ 25.00	PASS
	MHz	2399.95	2398.05	-----	
2483.5 ~ 2496.5MHz	μW/MHz	0.0346	1.7705	≤ 25.00	PASS
	MHz	2488.72	2483.60	-----	
2496.5MHz ~ 12.5GHz	μW/MHz	0.0478	0.0503	≤ 2.50	PASS
	MHz	3840.00	10573.00	-----	

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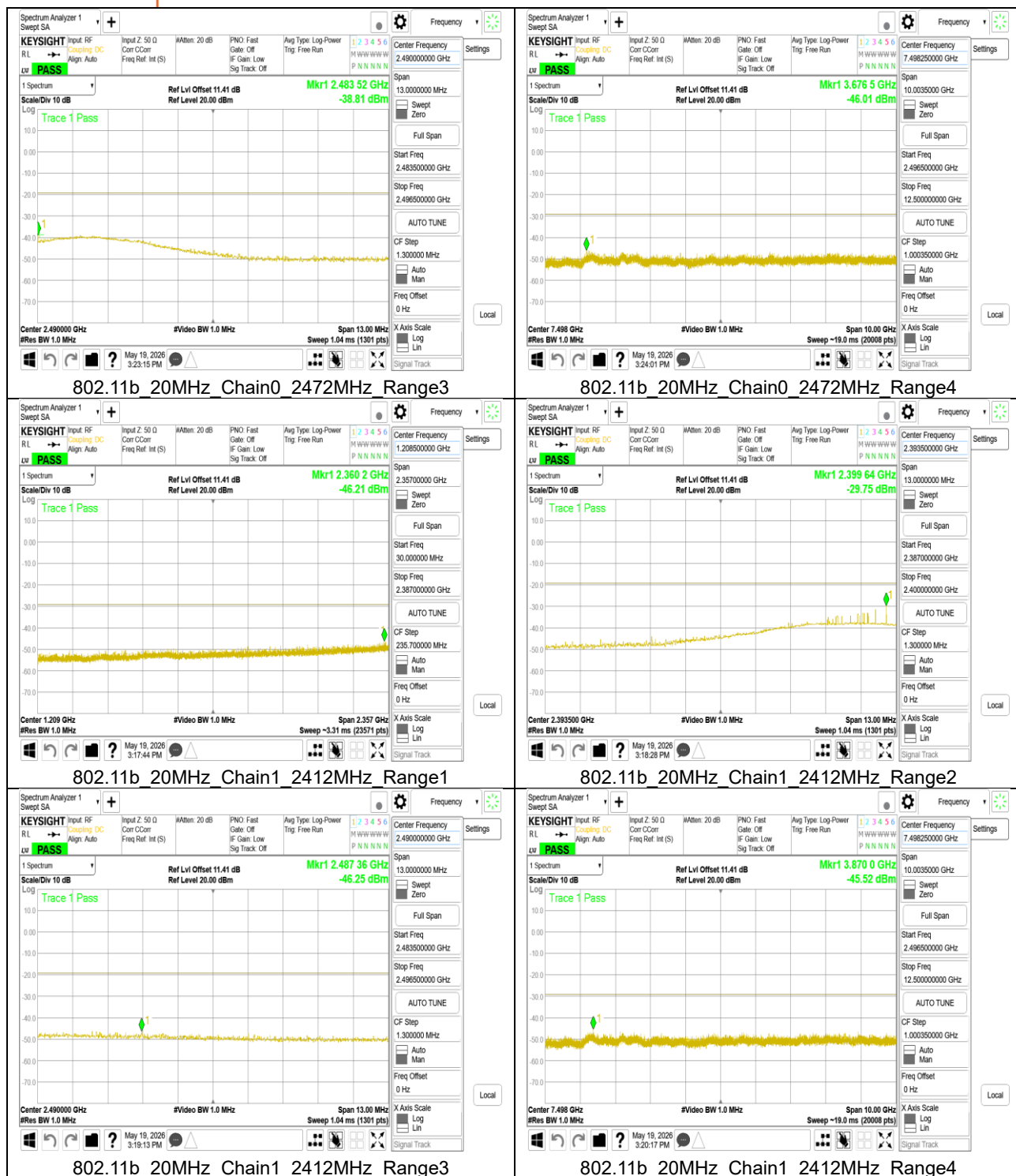
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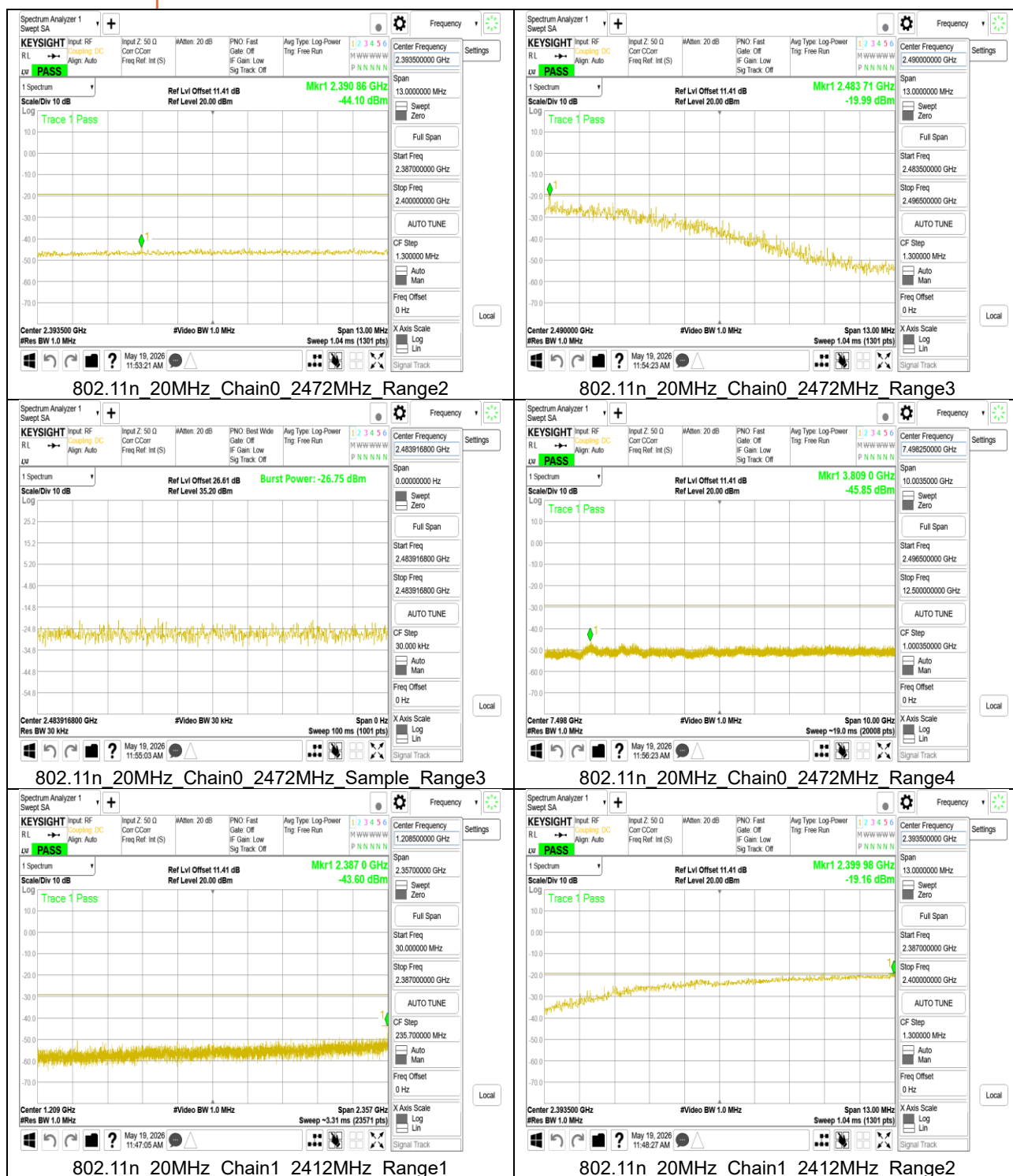
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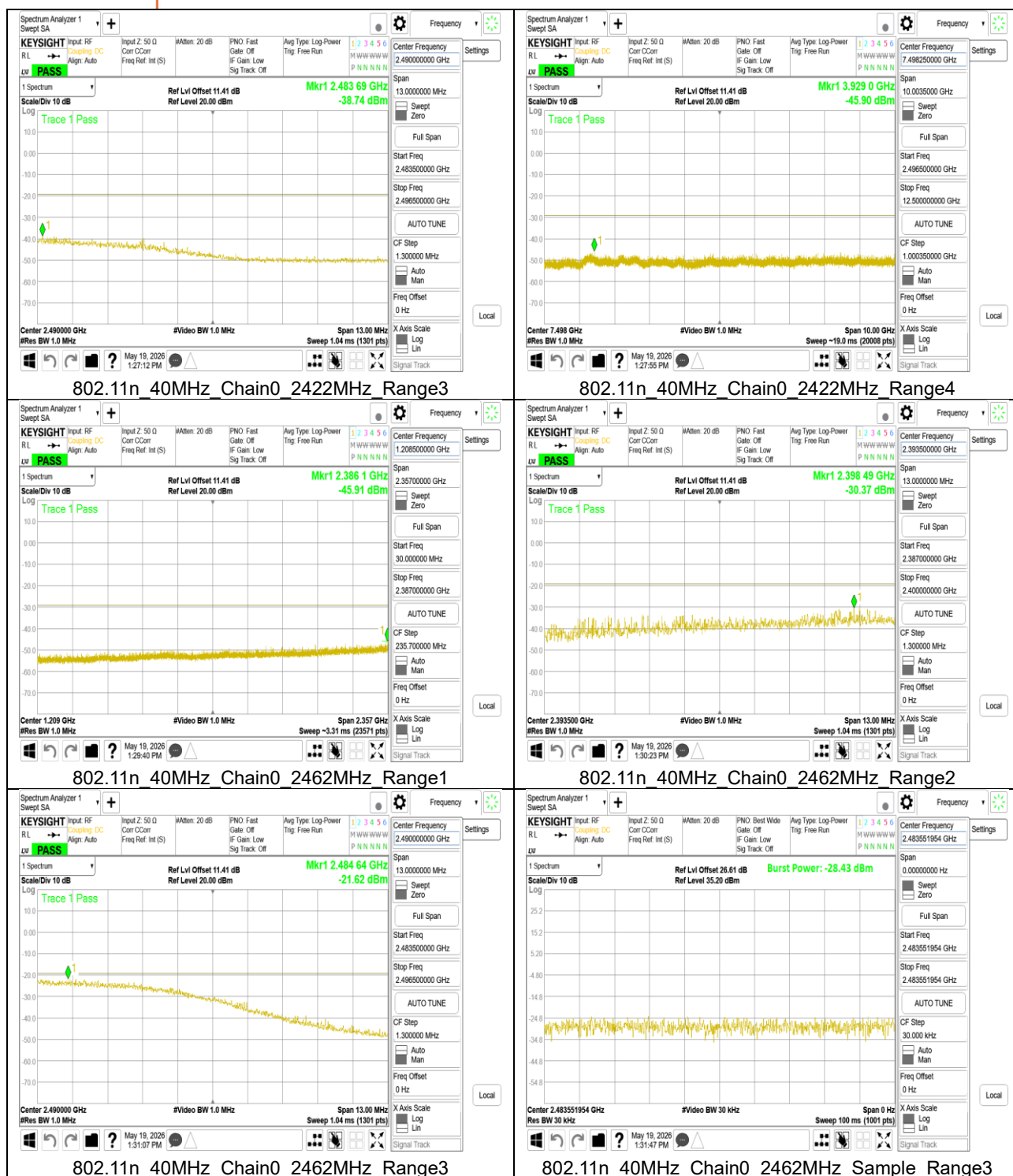
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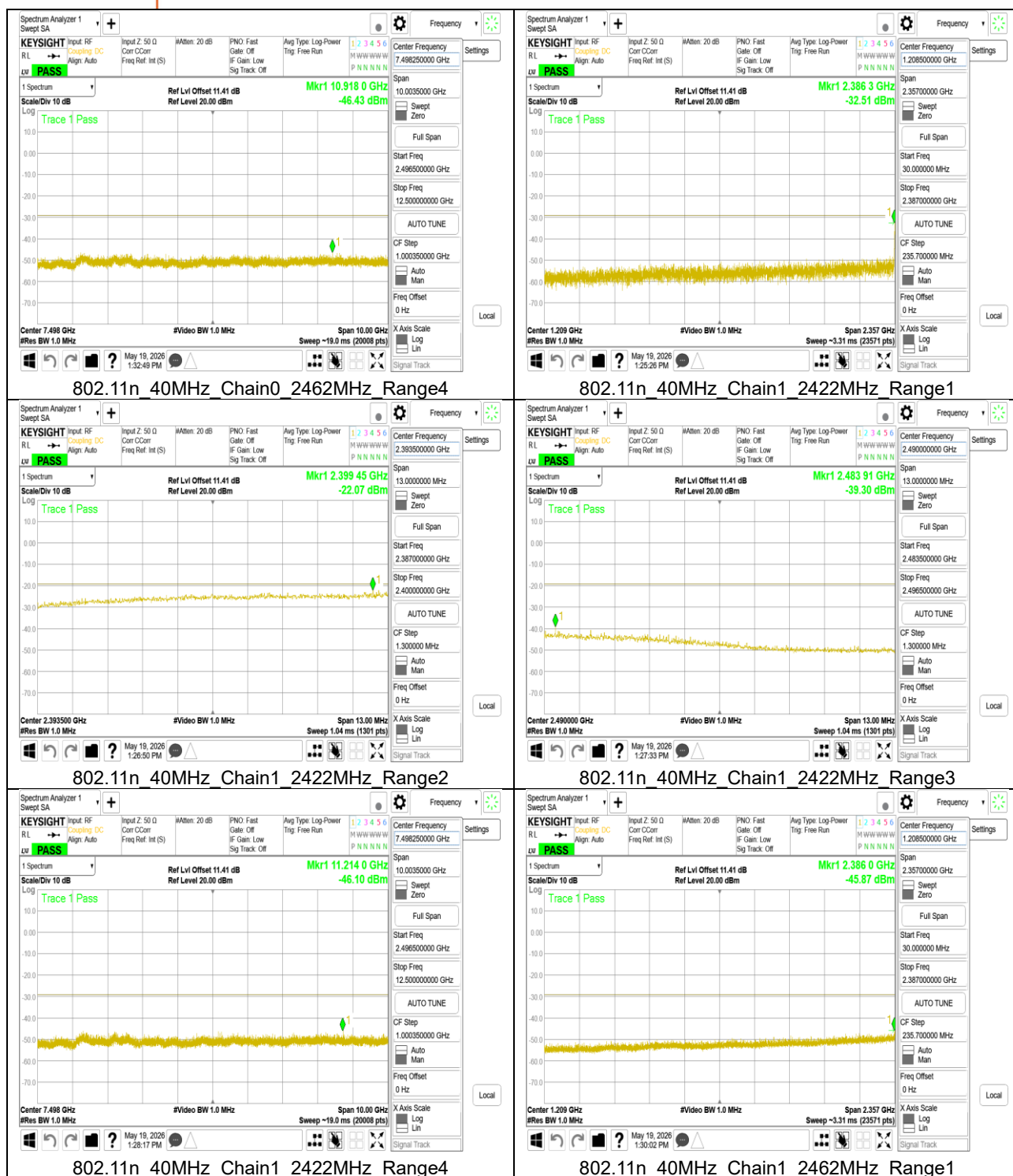
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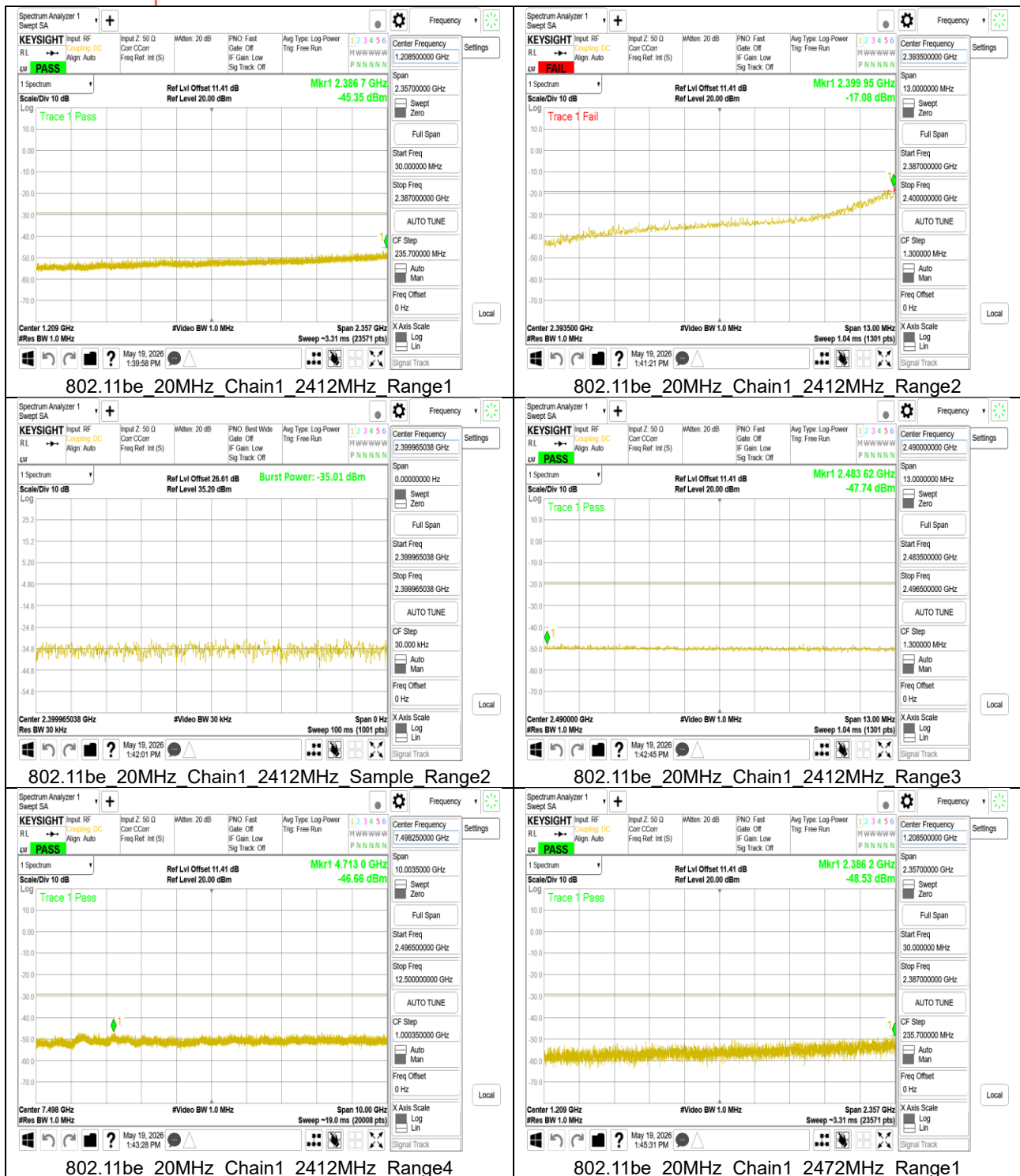
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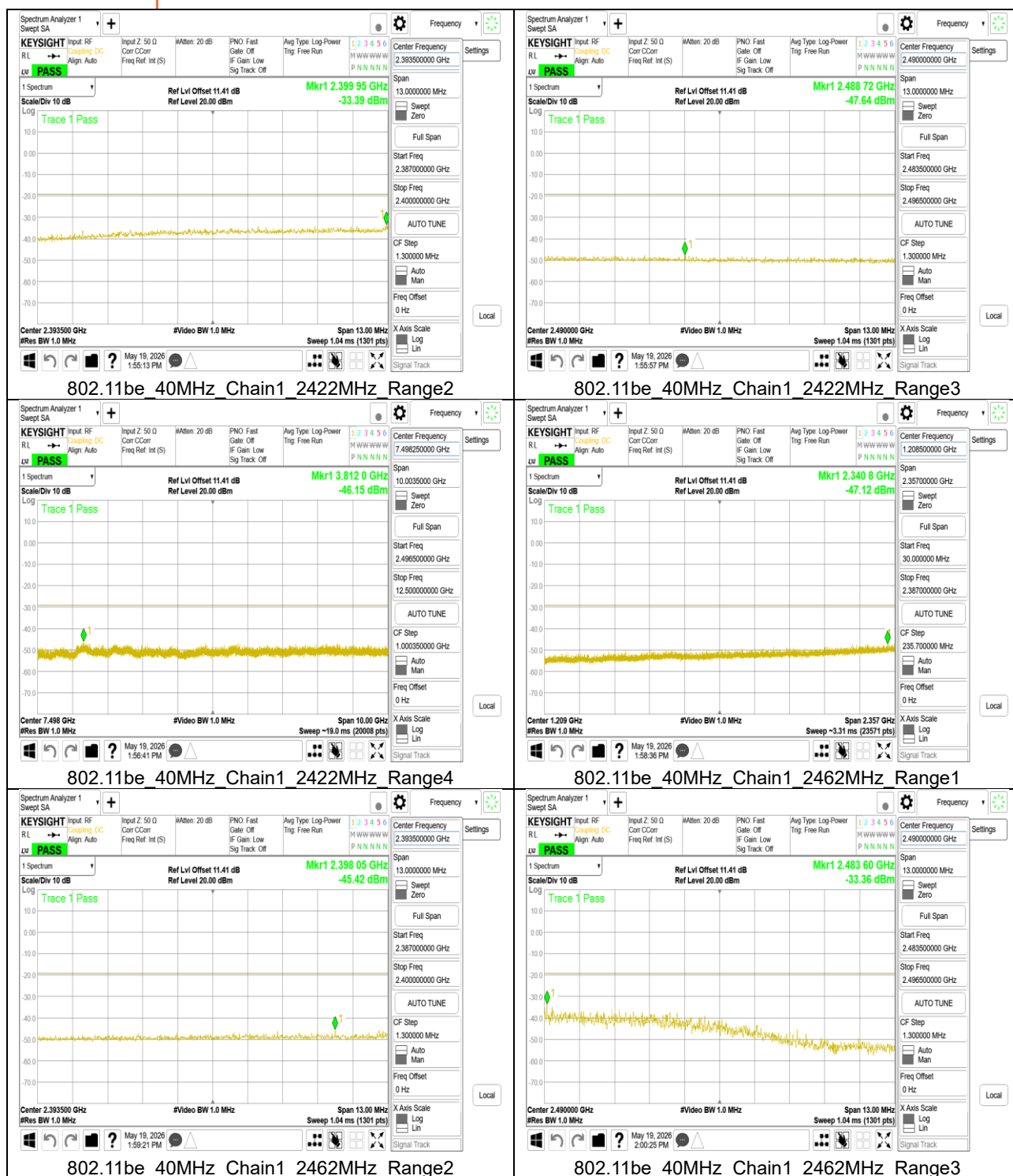
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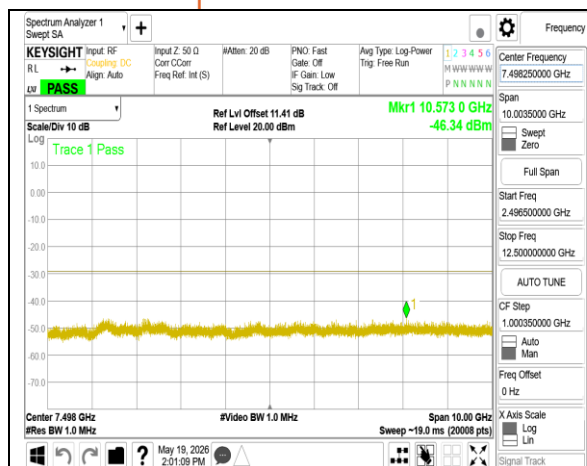
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9 SECONDARILY EMITTED RADIO WAVE STRENGTH

Secondarily emitted radio wave strength					
802.11b	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 1GHz (Chain0)	nW	0.004	0.001	≤ 2.00	PASS
	MHz	729.0	738.9	-----	
1 - 12.5GHz (Chain0)	nW	0.064	0.078	≤ 10.00	PASS
	MHz	10360	9888	-----	
Under 1GHz (Chain1)	nW	0.001	0.001	≤ 2.00	PASS
	MHz	854.9	932.4	-----	
1 - 12.5GHz (Chain1)	nW	0.839	0.045	≤ 10.00	PASS
	MHz	2421	2466	-----	
Under 1GHz (Chain0+1)	nW	0.005	0.002	≤ 4.00	PASS
	MHz	854.90	932.40	-----	
1 - 12.5GHz (Chain0+1)	nW	0.903	0.122	≤ 20.00	PASS
	MHz	10360.00	9888.00	-----	
Secondarily emitted radio wave strength					
802.11g	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 1GHz (Chain0)	nW	0.001	0.001	≤ 2.00	PASS
	MHz	847.6	736.9	-----	
1 - 12.5GHz (Chain0)	nW	0.148	0.059	≤ 10.00	PASS
	MHz	2422	9888	-----	
Under 1GHz (Chain1)	nW	0.001	0.001	≤ 2.00	PASS
	MHz	826.3	930.4	-----	
1 - 12.5GHz (Chain1)	nW	0.096	0.139	≤ 10.00	PASS
	MHz	2424	2422	-----	
Under 1GHz (Chain0+1)	nW	0.001	0.002	≤ 4.00	PASS
	MHz	847.60	930.40	-----	
1 - 12.5GHz (Chain0+1)	nW	0.244	0.198	≤ 20.00	PASS
	MHz	2424.00	9888.00	-----	

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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	0.001	0.001	≤ 2.00	PASS
	MHz	944.0	700.0	-----	
1 - 12.5GHz (Chain0)	nW	0.083	0.104	≤ 10.00	PASS
	MHz	2421	2422	-----	
Under 1GHz (Chain1)	nW	0.001	0.001	≤ 2.00	PASS
	MHz	845.7	886.6	-----	
1 - 12.5GHz (Chain1)	nW	0.068	0.106	≤ 10.00	PASS
	MHz	2424	2457	-----	
Under 1GHz (Chain0+1)	nW	0.001	0.001	≤ 4.00	PASS
	MHz	944.00	886.60	-----	
1 - 12.5GHz (Chain0+1)	nW	0.151	0.210	≤ 20.00	PASS
	MHz	2424.00	2457.00	-----	
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	0.004	0.003	≤ 2.00	PASS
	MHz	729.3	730.3	-----	
1 - 12.5GHz (Chain0)	nW	0.051	0.077	≤ 10.00	PASS
	MHz	10360	2423	-----	
Under 1GHz (Chain1)	nW	0.001	0.001	≤ 2.00	PASS
	MHz	729.3	873.8	-----	
1 - 12.5GHz (Chain1)	nW	0.125	0.195	≤ 10.00	PASS
	MHz	2424	2423	-----	
Under 1GHz (Chain0+1)	nW	0.005	0.003	≤ 4.00	PASS
	MHz	729.30	873.80	-----	
1 - 12.5GHz (Chain0+1)	nW	0.176	0.271	≤ 20.00	PASS
	MHz	10360.00	2423.00	-----	
Secondarily emitted radio wave strength					
802.11be_20MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2412	2472	-----	-----
Channel Number	Ch.	1	13	-----	-----
Under 1GHz (Chain0)	nW	0.001	0.001	≤ 2.00	PASS
	MHz	866.4	619.5	-----	
1 - 12.5GHz (Chain0)	nW	0.100	0.176	≤ 10.00	PASS
	MHz	9648	9888	-----	
Under 1GHz (Chain1)	nW	0.001	0.001	≤ 2.00	PASS
	MHz	745.7	744.8	-----	
1 - 12.5GHz (Chain1)	nW	0.065	0.029	≤ 10.00	PASS
	MHz	2424	9888	-----	
Under 1GHz (Chain0+1)	nW	0.002	0.002	≤ 4.00	PASS
	MHz	866.40	744.80	-----	
1 - 12.5GHz (Chain0+1)	nW	0.165	0.205	≤ 20.00	PASS
	MHz	9648.00	9888.00	-----	

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Secondarily emitted radio wave strength					
802.11be_40MHz	unit	-----	-----	Limit	Result
Measurement Frequency	MHz	2422	2462	-----	-----
Channel Number	Ch.	3	11	-----	-----
Under 1GHz (Chain0)	nW	0.001	0.001	$\leq$ 2.00	PASS
	MHz	874.0	770.2	-----	
1 - 12.5GHz (Chain0)	nW	0.086	0.133	$\leq$ 10.00	PASS
	MHz	9688	9848	-----	
Under 1GHz (Chain1)	nW	0.001	0.001	$\leq$ 2.00	PASS
	MHz	745.1	935.5	-----	
1 - 12.5GHz (Chain1)	nW	0.138	0.098	$\leq$ 10.00	PASS
	MHz	2422	2424	-----	
Under 1GHz (Chain0+1)	nW	0.002	0.001	$\leq$ 4.00	PASS
	MHz	874.00	935.50	-----	
1 - 12.5GHz (Chain0+1)	nW	0.225	0.230	$\leq$ 20.00	PASS
	MHz	9688.00	9848.00	-----	

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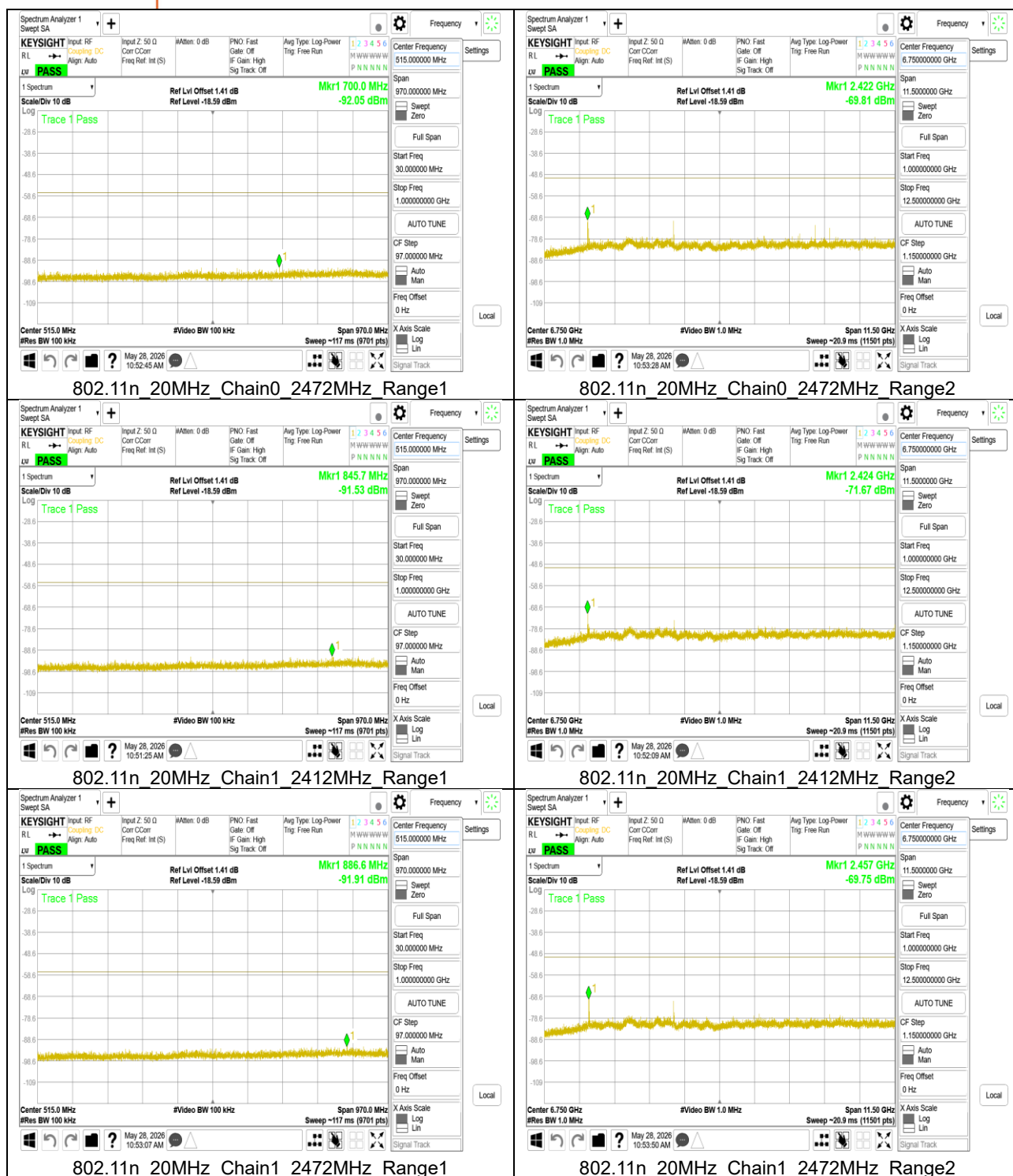
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10 CARRIER SENSE

Carrier Sense					
802.11n_40MHz	unit	----	----	Limit	Result
Measurement Frequency	MHz	2422	2462	----	----
Channel Number	Ch.	3	11	----	----
Interference Level	dBm	-55.53	-56.58	----	PASS
Carrier Sense Function	----	PASS	PASS	----	
Carrier Sense					
802.11be_40MHz	unit	----	----	Limit	Result
Measurement Frequency	MHz	2422	2462	----	----
Channel Number	Ch.	3	11	----	----
Interference Level	dBm	-44.53	-46.58	----	PASS
Carrier Sense Function	----	PASS	PASS	----	

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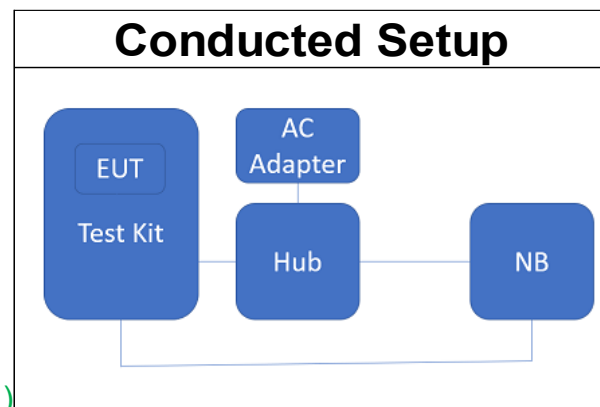
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11 TEST SETUP

11.1 Setup Diagram



~ End of Report ~

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