

**Test Result**

Mode	Channel	RU & Index	Ant. 0 (dBm)	Ant. 1 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	N/A	17.223	17.488	N/A	30	PASS
	6		17.541	17.444	N/A	30	PASS
	11		17.71	17.541	N/A	30	PASS
IEEE 802.11g	1		17.495	17.621	N/A	30	PASS
	6		17.591	17.512	N/A	30	PASS
	11		17.787	17.625	N/A	30	PASS
IEEE 802.11n_20	1		11.251	11.47	14.37	30	PASS
	6		11.869	10.876	14.41	30	PASS
	11		11.916	11.492	14.72	30	PASS
IEEE 802.11n_40	3		11.591	11.48	14.55	30	PASS
	6		11.642	11.458	14.56	30	PASS
	9		10.354	10.276	13.33	30	PASS
IEEE 802.11ax_20	1	242RU61	11.798	11.596	14.71	30	PASS
		26RU0	11.26	10.973	14.13	30	PASS
		26RU4	11.45	11.406	14.44	30	PASS
		26RU8	10.879	10.562	13.73	30	PASS
		52RU37	10.066	10.768	13.44	30	PASS
		52RU38	10.089	10.051	13.08	30	PASS
		52RU40	10.837	10.579	13.72	30	PASS
		106RU53	11.529	11.229	14.39	30	PASS
		106RU54	11.326	10.943	14.15	30	PASS
	6	242RU61	11.83	11.686	14.77	30	PASS
		26RU0	10.772	10.5	13.65	30	PASS
		26RU4	11.489	11.027	14.27	30	PASS
		26RU8	10.906	10.633	13.78	30	PASS
		52RU37	9.982	9.807	12.91	30	PASS
		52RU38	10.325	9.941	13.15	30	PASS
		52RU40	11.063	10.893	13.99	30	PASS
		106RU53	11.622	11.06	14.36	30	PASS
		106RU54	11.773	11.706	14.75	30	PASS
	11	242RU61	12.054	11.503	14.8	30	PASS
		26RU0	11.148	11.067	14.12	30	PASS
		26RU4	11.195	10.753	13.99	30	PASS
		26RU8	11.052	10.568	13.83	30	PASS
		52RU37	10.42	10.014	13.23	30	PASS
		52RU38	10.784	10.146	13.49	30	PASS
		52RU40	11.292	10.901	14.11	30	PASS
		106RU53	11.319	11.437	14.39	30	PASS
IEEE 802.11ax_40	3	106RU54	11.475	11.478	14.49	30	PASS
		484RU65	11.228	11.301	14.27	30	PASS
		26RU0	11.482	11.473	14.49	30	PASS
		26RU8	10.931	10.783	13.87	30	PASS
		26RU17	10.983	10.556	13.79	30	PASS
		52RU37	10.654	10.663	13.67	30	PASS
		52RU40	10.486	10.515	13.51	30	PASS
		52RU44	10.92	10.472	13.71	30	PASS
		106RU53	10.736	10.644	13.7	30	PASS
		106RU54	10.69	10.327	13.52	30	PASS
		106RU56	10.717	10.609	13.67	30	PASS
		242RU61	10.439	10.296	13.38	30	PASS
	6	242RU62	10.641	10.229	13.45	30	PASS
		484RU65	11.383	11.236	14.32	30	PASS
		26RU0	11.48	11.528	14.51	30	PASS
		26RU8	11.063	10.787	13.94	30	PASS
		26RU17	11.067	11.539	14.32	30	PASS
		52RU37	10.217	10.045	13.14	30	PASS
		52RU40	10.662	10.442	13.56	30	PASS
		52RU44	10.986	10.497	13.76	30	PASS
		106RU53	10.566	10.418	13.5	30	PASS
		106RU54	10.803	10.411	13.62	30	PASS
		106RU56	10.736	10.453	13.61	30	PASS
		242RU61	10.48	10.216	13.36	30	PASS

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		242RU62	10.785	10.399	13.61	30	PASS
	9	484RU65	10.671	10.592	13.64	30	PASS
		26RU0	11.693	11.773	14.74	30	PASS
		26RU8	11.215	10.941	14.09	30	PASS
		26RU17	10.617	11.347	14.01	30	PASS
		52RU37	10.463	10.153	13.32	30	PASS
		52RU40	10.918	10.788	13.86	30	PASS
		52RU44	10.946	10.588	13.78	30	PASS
		106RU53	10.795	10.476	13.65	30	PASS
		106RU54	11.017	10.577	13.81	30	PASS
		106RU56	10.744	10.45	13.61	30	PASS
		242RU61	10.761	10.355	13.57	30	PASS
		242RU62	10.839	10.462	13.66	30	PASS



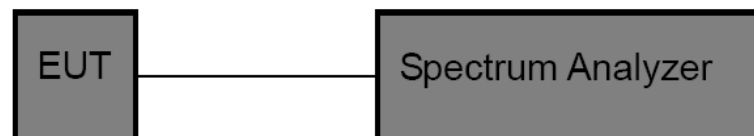
3.7. Power Spectral Density

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e)

Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	8 dBm (in any 3 kHz)	2400~2483.5

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:
Set analyzer center frequency to DTS channel center frequency.
Set the span to 1.5 times the DTS bandwidth.
Set the RBW to: 3 kHz.
Set the VBW to: 10 kHz.
Detector: peak.
Sweep time: auto.
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

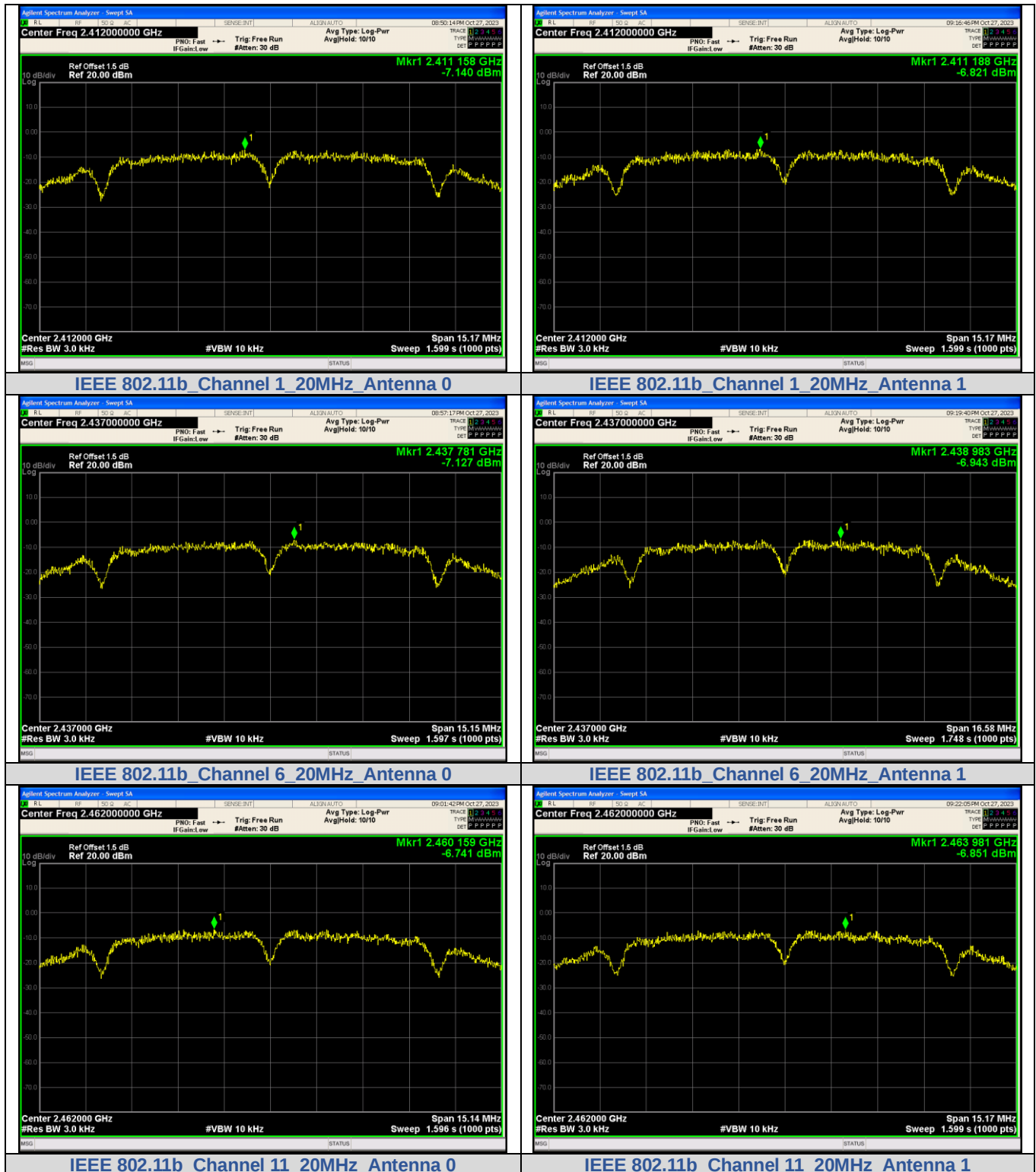
Please refer to the clause 2.4.

**Test Result**

Mode	Channel	RU & Index	PSD (dBm/3kHz) Ant. 0	PSD (dBm/3kHz) Ant. 1	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	N/A	-7.140	-6.821	N/A	8	PASS
	6		-7.127	-6.943	N/A		PASS
	11		-6.741	-6.851	N/A		PASS
IEEE 802.11g	1		-9.546	-9.100	N/A		PASS
	6		-8.806	-9.070	N/A		PASS
	11		-9.056	-8.793	N/A		PASS
IEEE 802.11n_20	1		-14.151	-15.333	-11.69		PASS
	6		-13.313	-15.645	-11.31		PASS
	11		-13.491	-15.222	-11.26		PASS
IEEE 802.11n_40	3		-16.098	-17.192	-13.6		PASS
	6		-16.569	-15.738	-13.12		PASS
	9		-17.056	-16.738	-13.88		PASS
IEEE 802.11ax_20	1	SU	-14.376	-14.656	-11.5		PASS
		26RU4	-6.498	-7.026	-3.74		PASS
		52RU38	-10.459	-9.940	-7.18		PASS
		106RU53	-11.976	-11.842	-8.9		PASS
		242RU61	-14.209	-14.939	-11.55		PASS
	6	26RU4	-6.343	-6.418	-3.37		PASS
		52RU38	-9.789	-10.124	-6.94		PASS
		106RU53	-12.539	-12.102	-9.3		PASS
		242RU61	-13.978	-14.879	-11.39		PASS
	11	26RU4	-7.187	-8.452	-4.76		PASS
		52RU38	-9.760	-10.771	-7.23		PASS
		106RU53	-11.819	-12.852	-9.29		PASS
IEEE 802.11ax_40	3	484RU65	-17.975	-17.227	-14.57		PASS
		26RU8	-6.695	-6.697	-3.69		PASS
		52RU40	-9.130	-9.146	-6.13		PASS
		106RU54	-12.363	-11.028	-8.63		PASS
		242RU61	-12.864	-15.750	-11.06		PASS
	6	484RU65	-17.666	-17.550	-14.6		PASS
		26RU8	-6.735	-6.861	-3.79		PASS
		52RU40	-9.623	-9.892	-6.75		PASS
		106RU54	-11.085	-12.017	-8.52		PASS
		242RU61	-12.722	-15.516	-10.89		PASS
	9	484RU65	-18.704	-18.156	-15.41		PASS
		26RU8	-6.994	-6.683	-3.83		PASS
		52RU40	-9.091	-9.396	-6.23		PASS
		106RU54	-11.918	-11.313	-8.59		PASS
		242RU61	-12.785	-15.421	-10.9		PASS



Test plot as follows:



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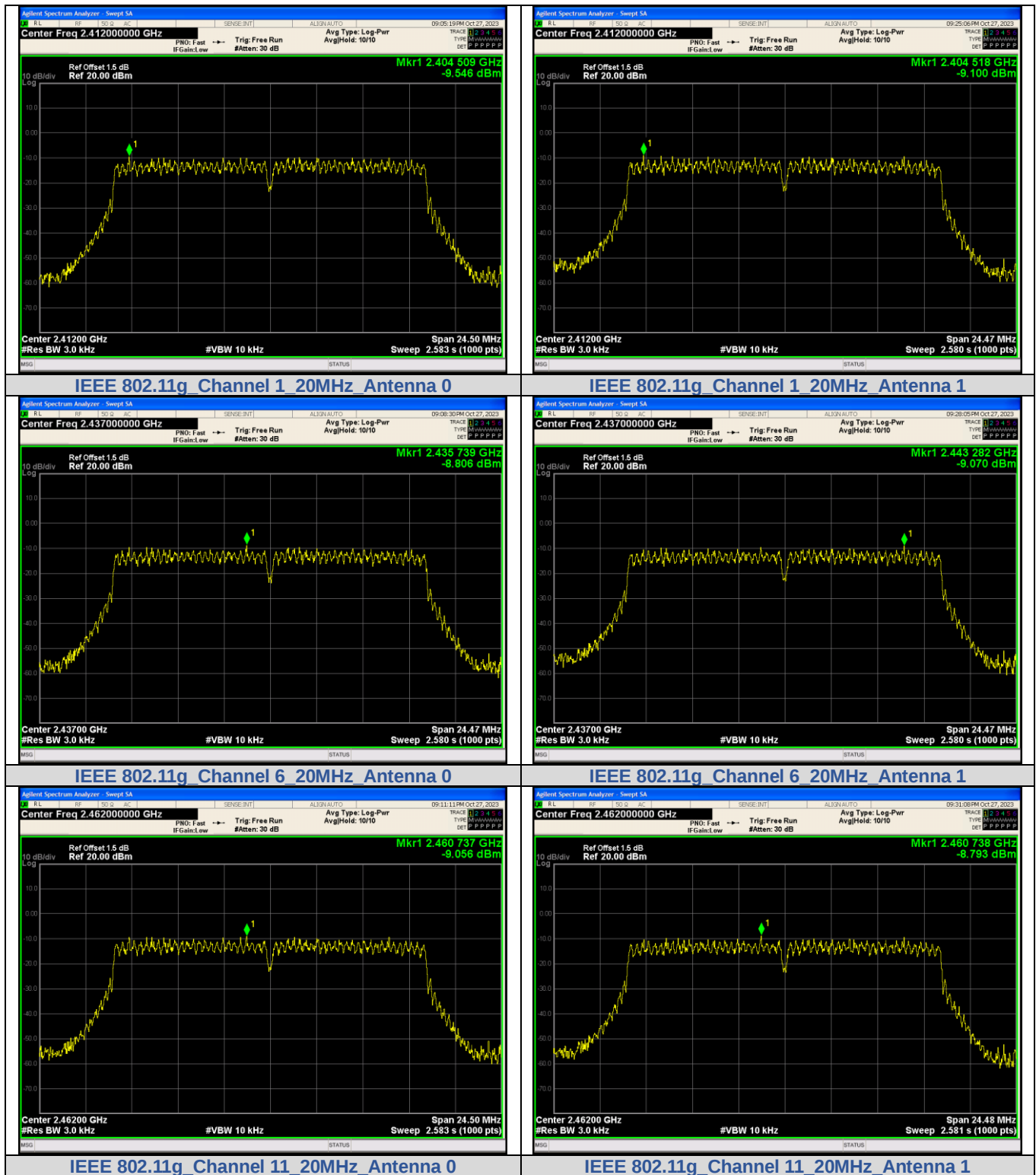
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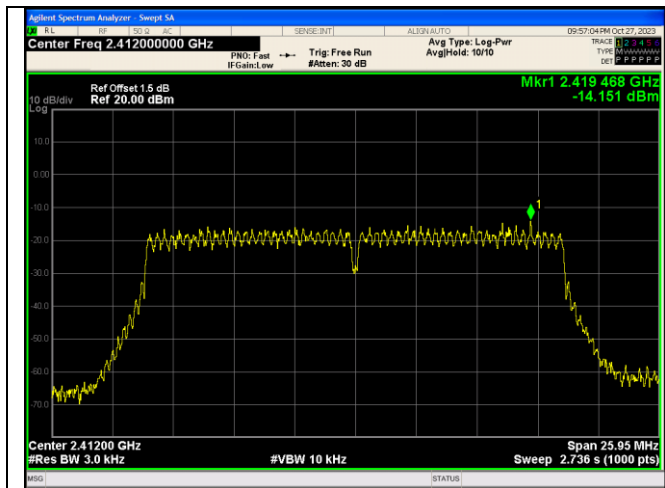
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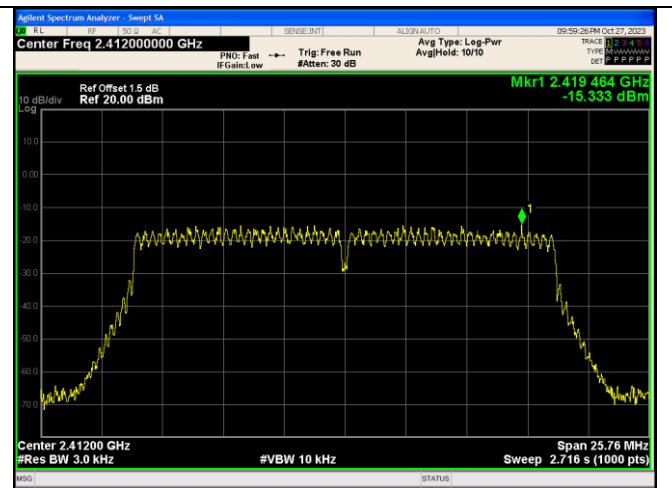
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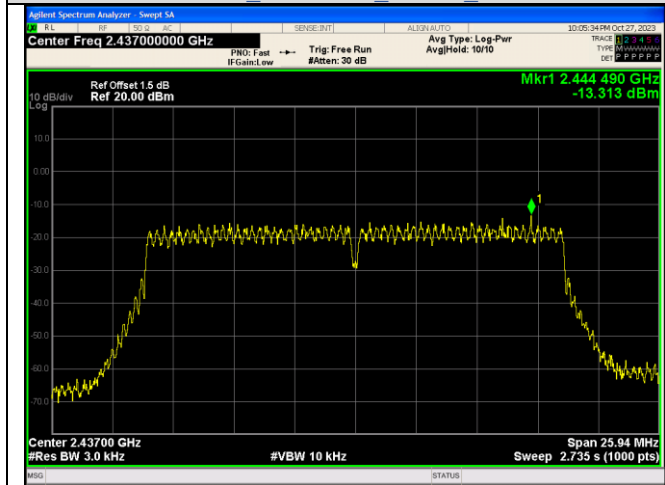
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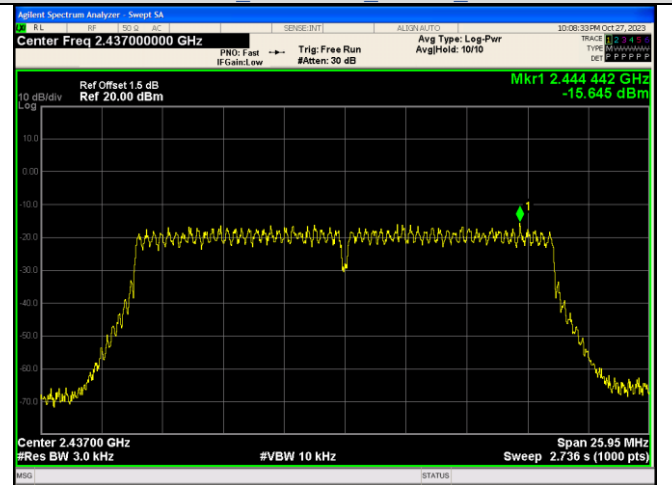
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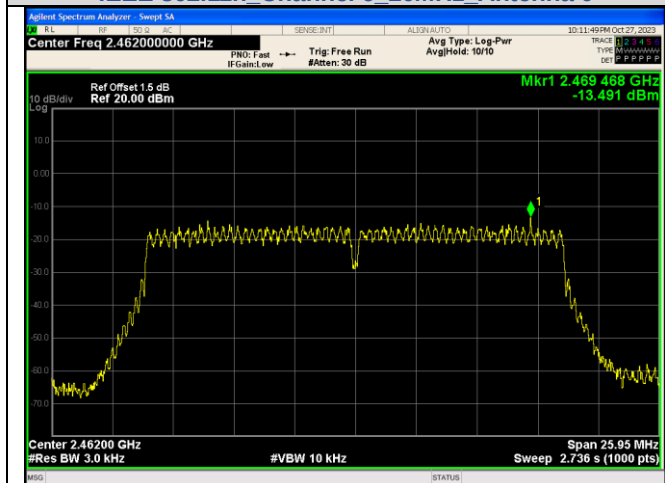
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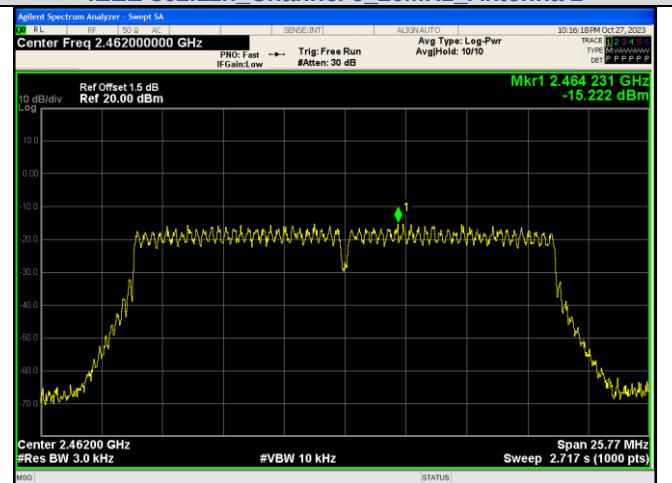
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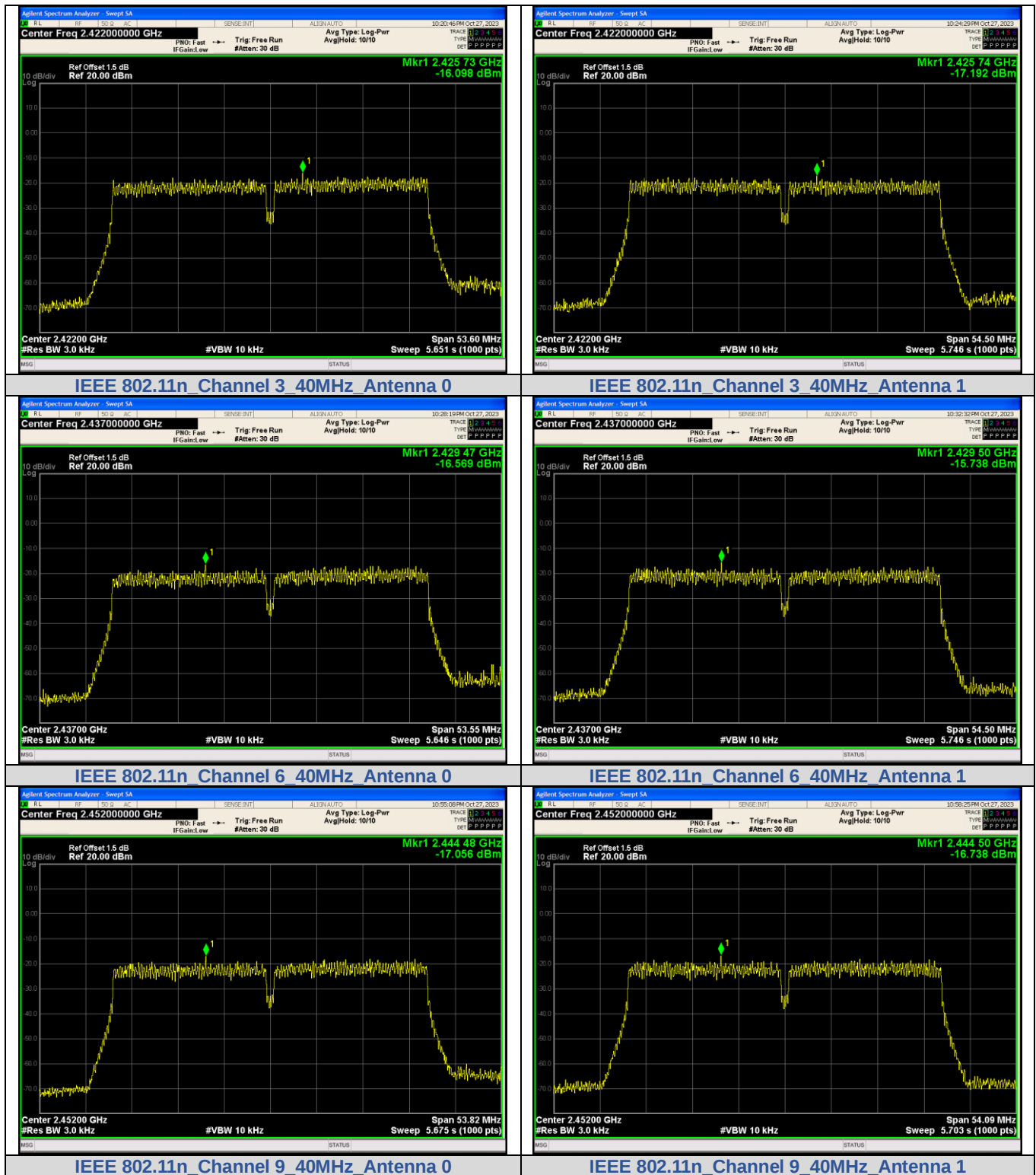
IEEE 802.11n Channel 6 20MHz Antenna 1



IEEE 802.11n Channel 11 20MHz Antenna 0



IEEE 802.11n Channel 11 20MHz Antenna 1



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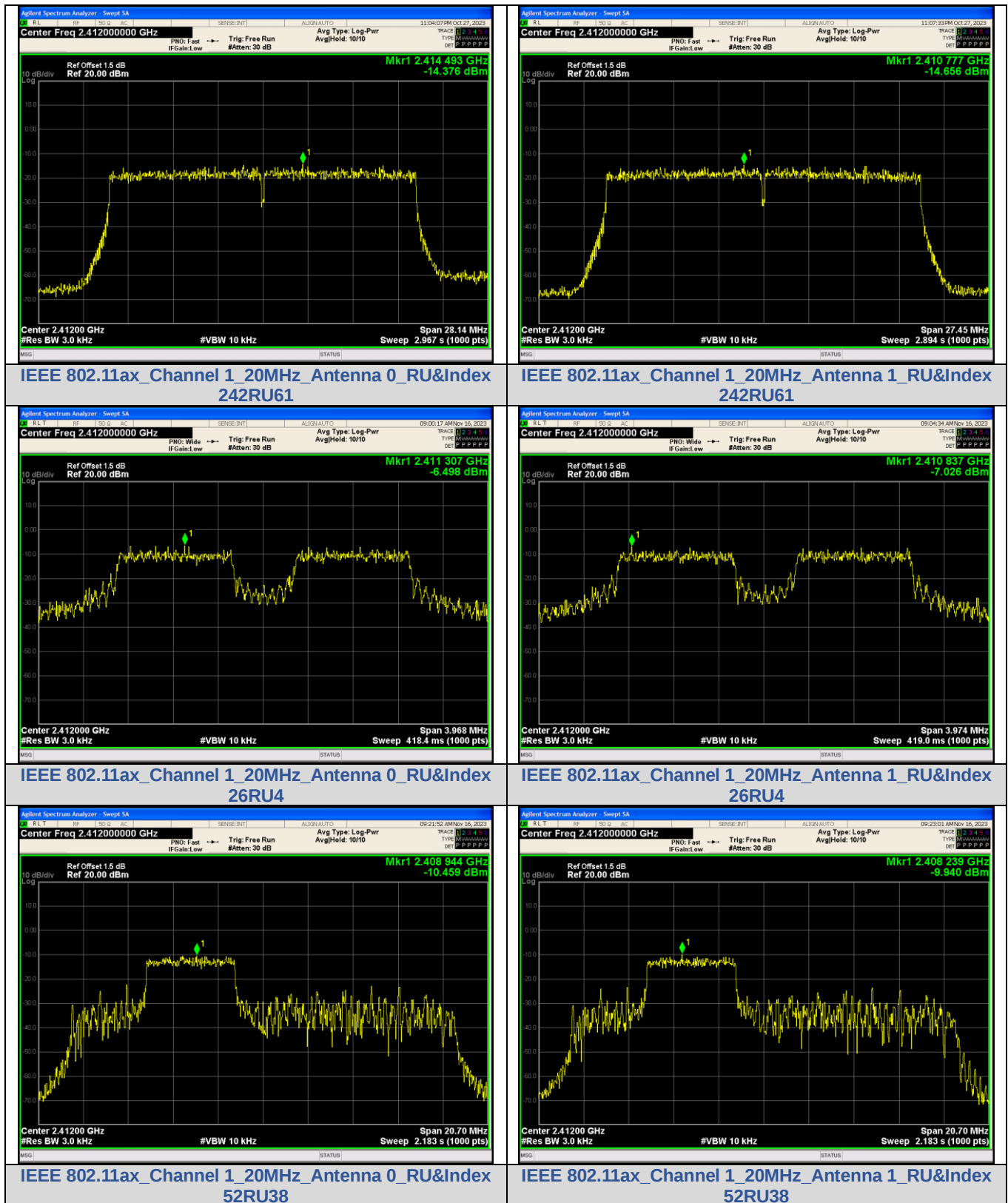
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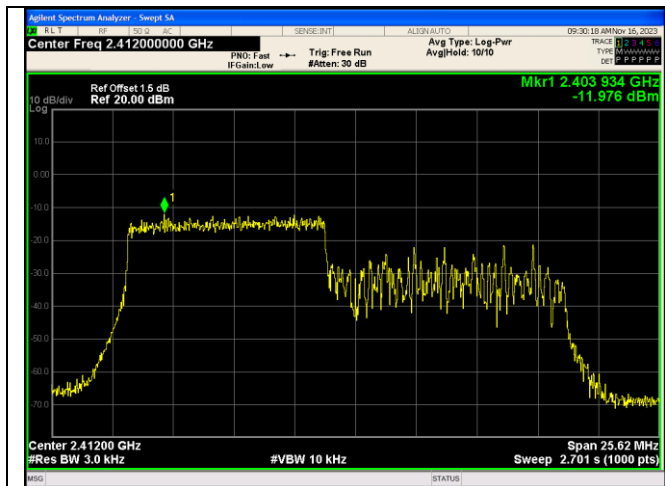
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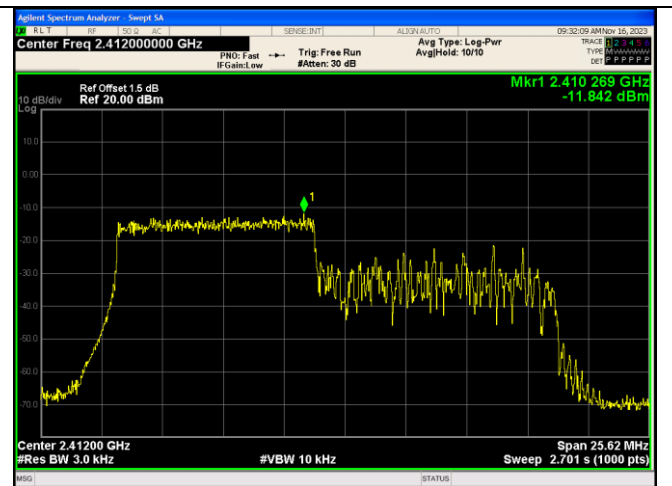
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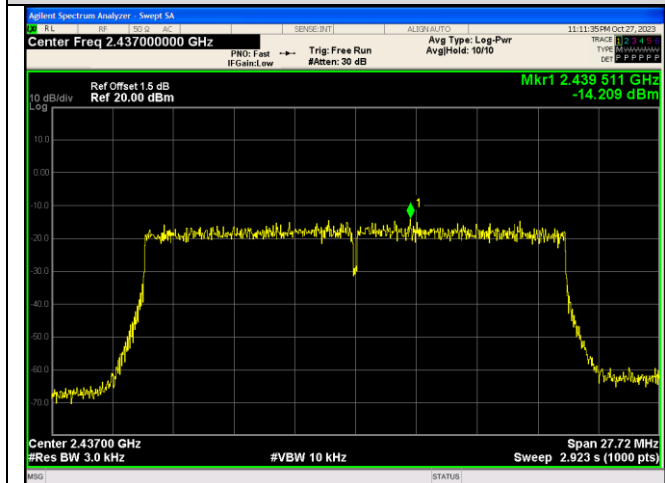




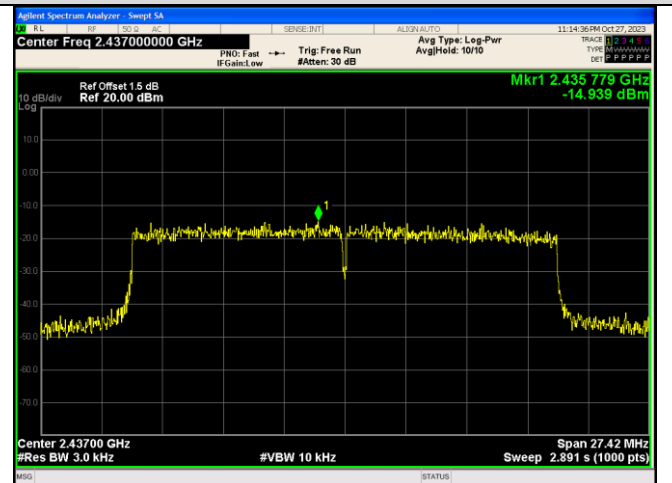
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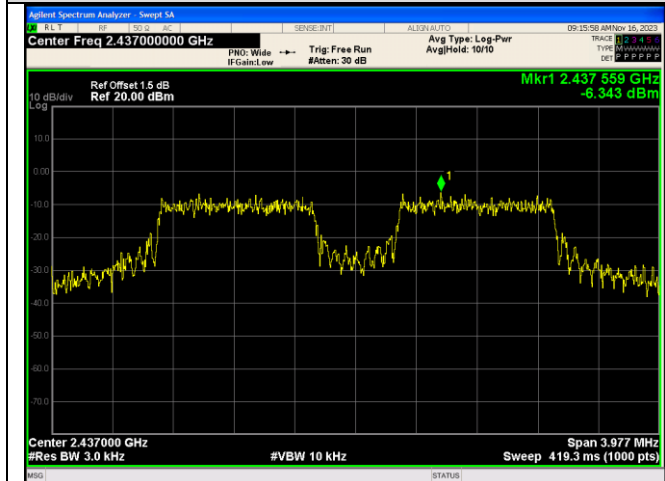
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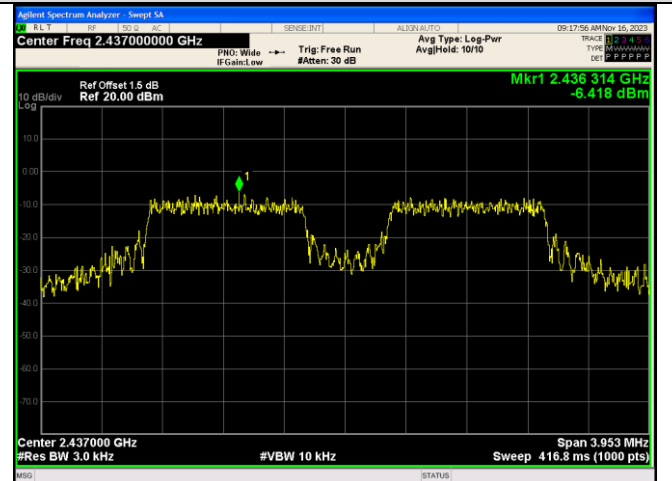
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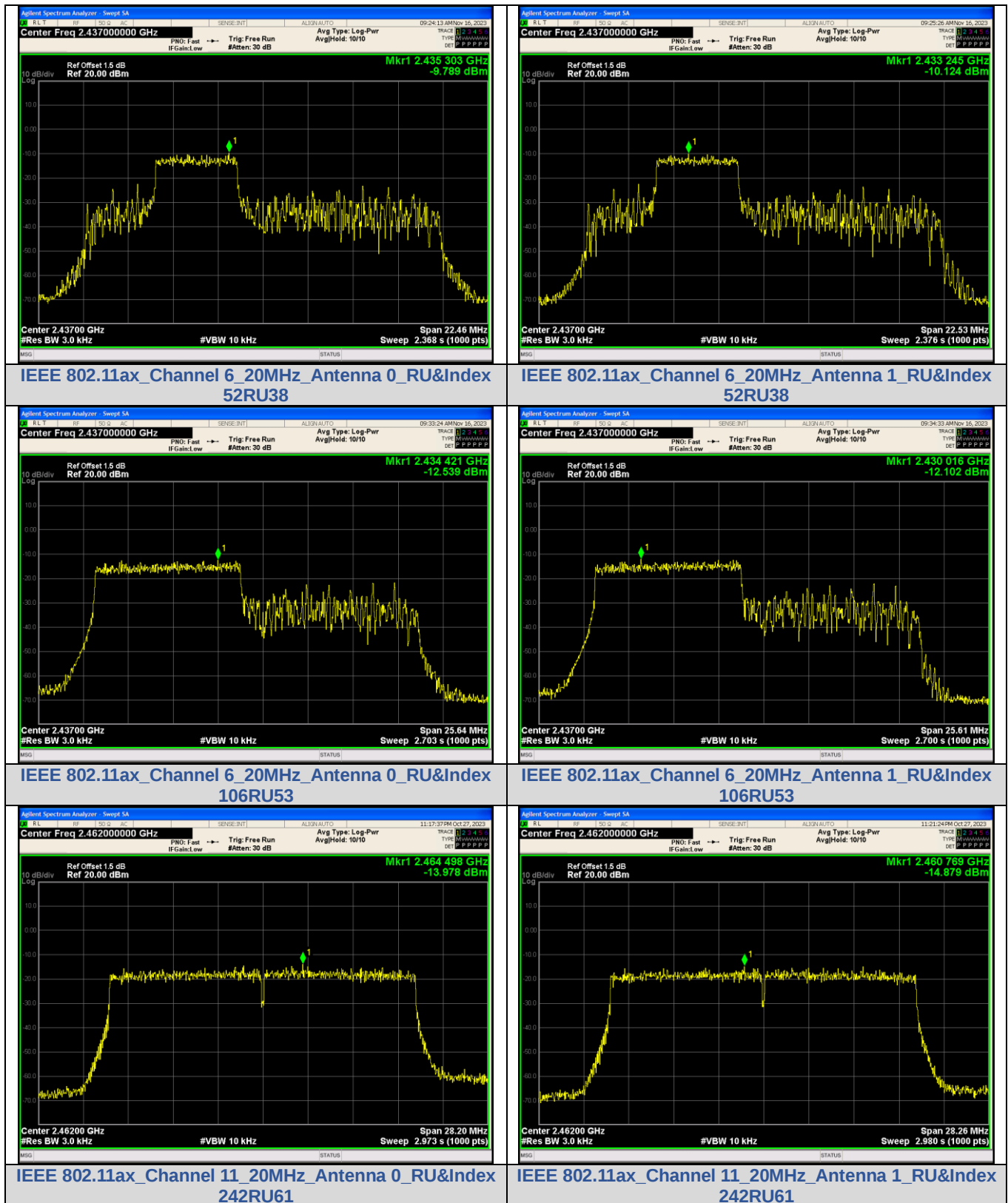
IEEE 802.11ax_Channel 6_20MHz_Antenna 1_RU&Index 242RU61



IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index 26RU4



IEEE 802.11ax_Channel 6_20MHz_Antenna 1_RU&Index 26RU4



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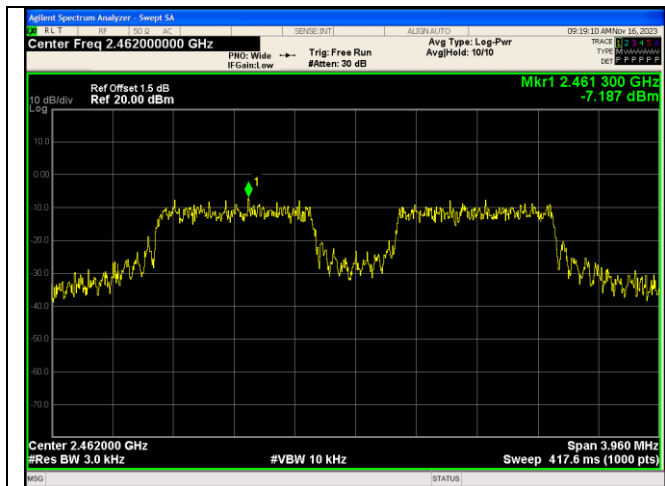
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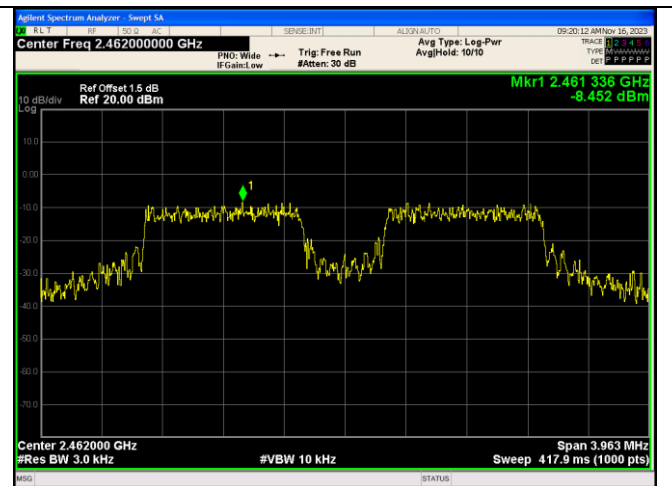


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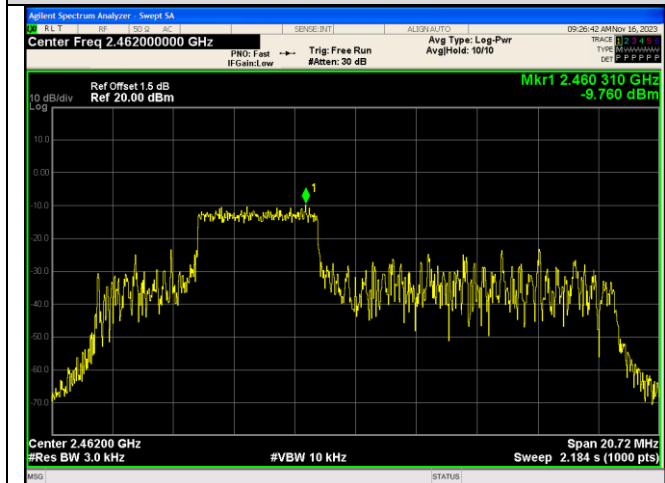
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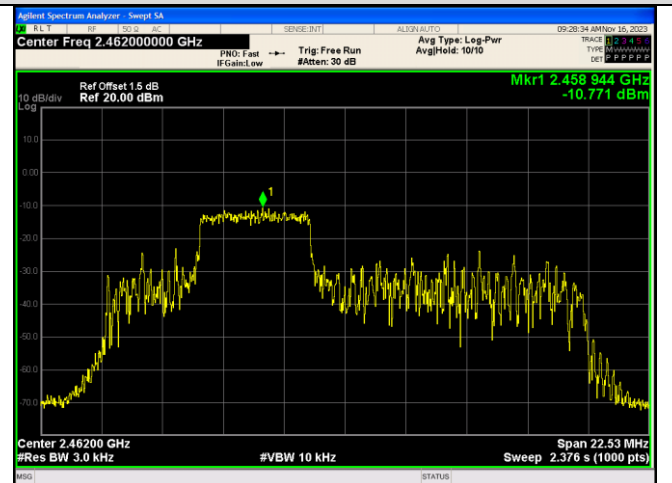
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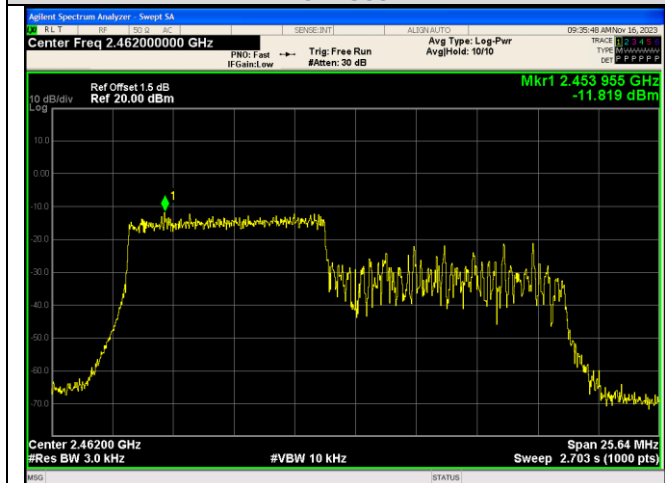
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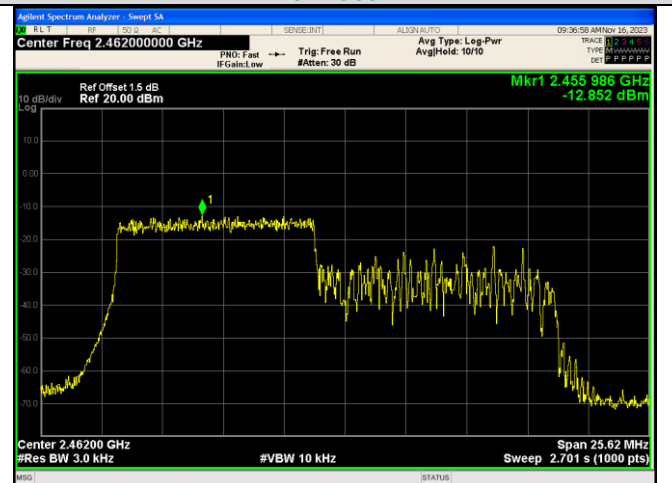
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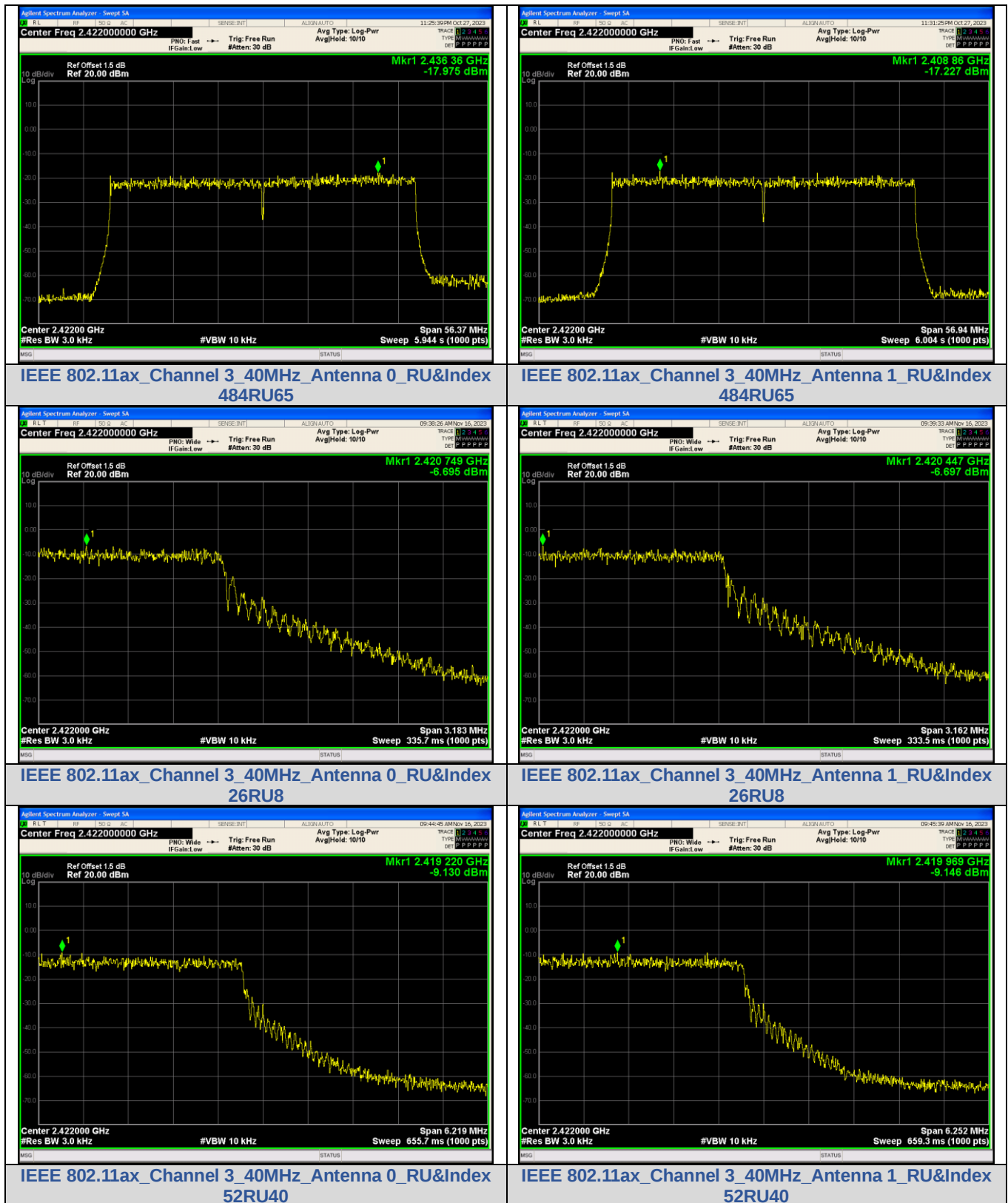
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IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index 106RU53



IEEE 802.11ax_Channel 11_20MHz_Antenna 1_RU&Index 106RU53



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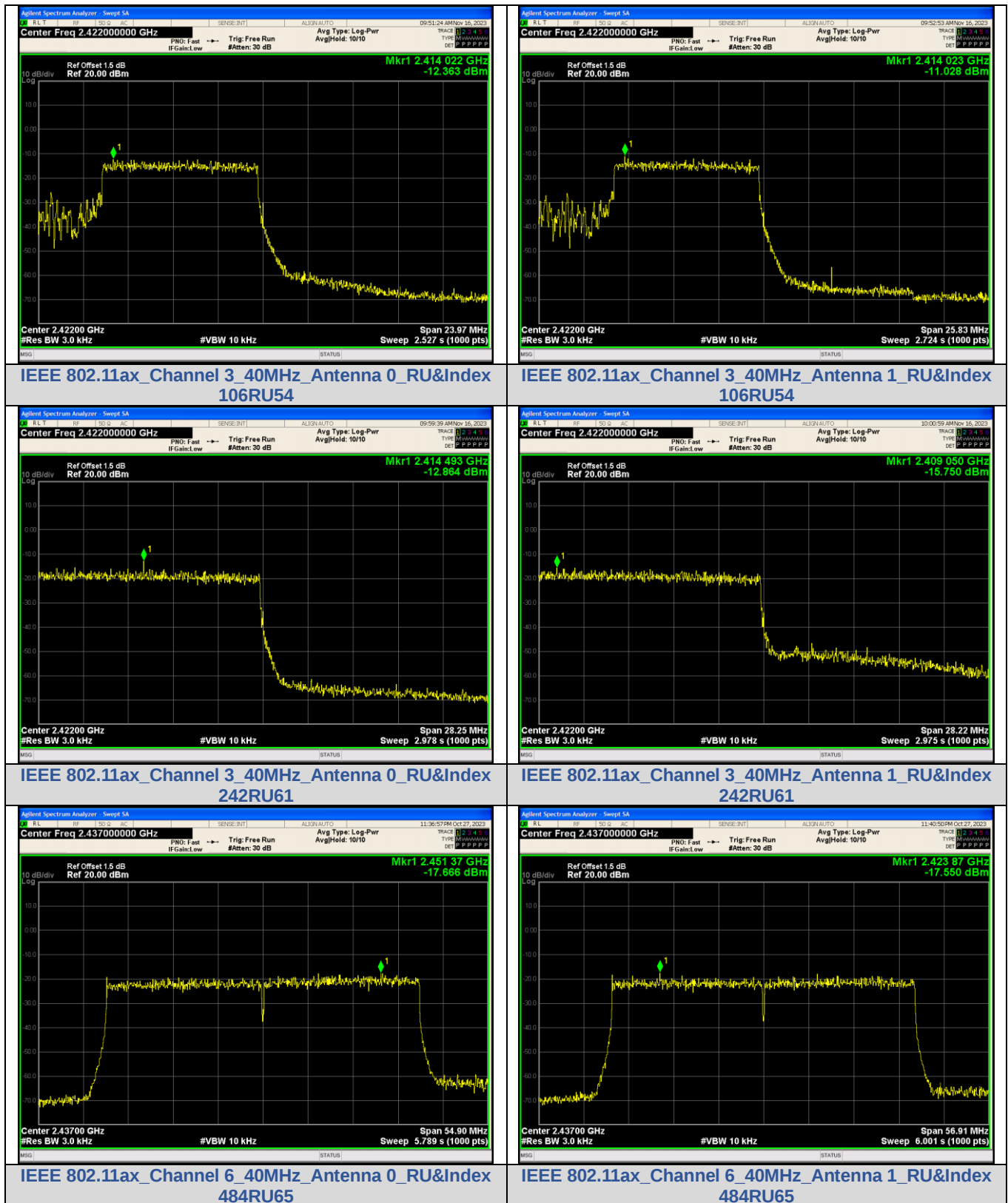
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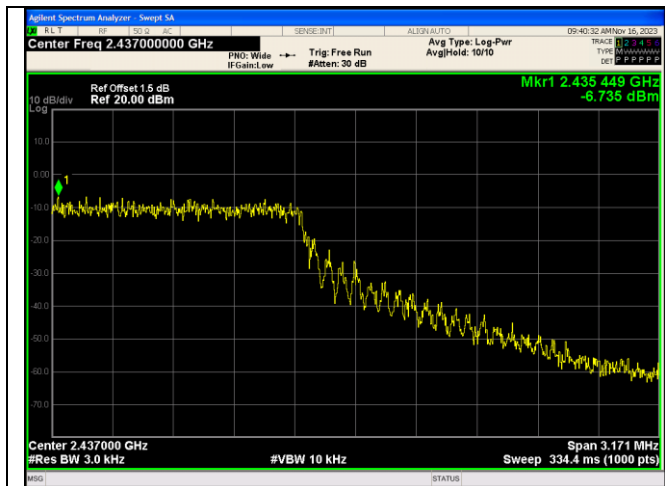
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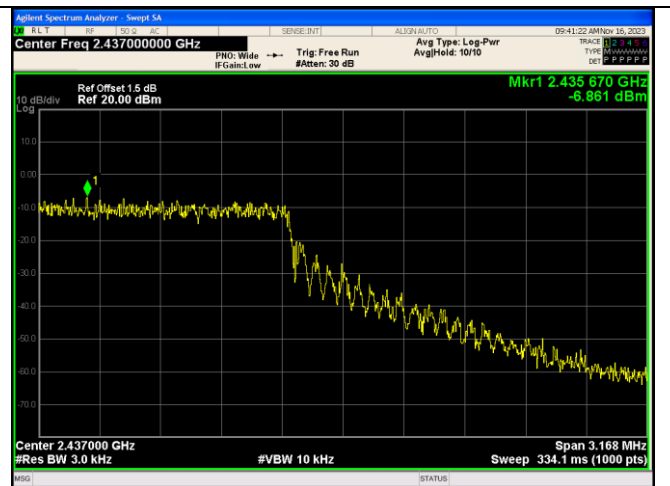
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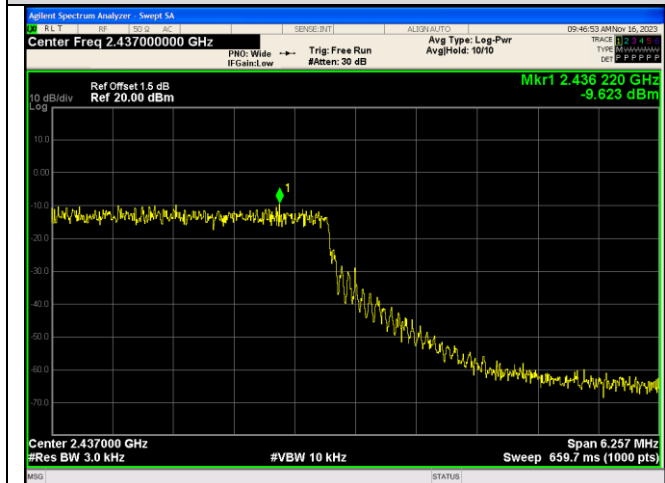
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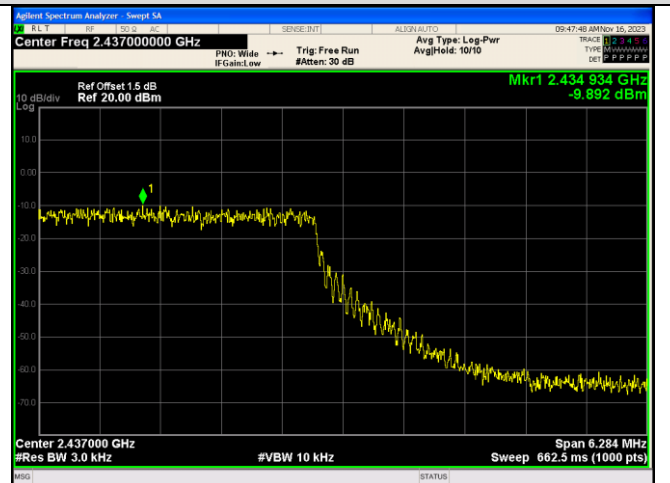
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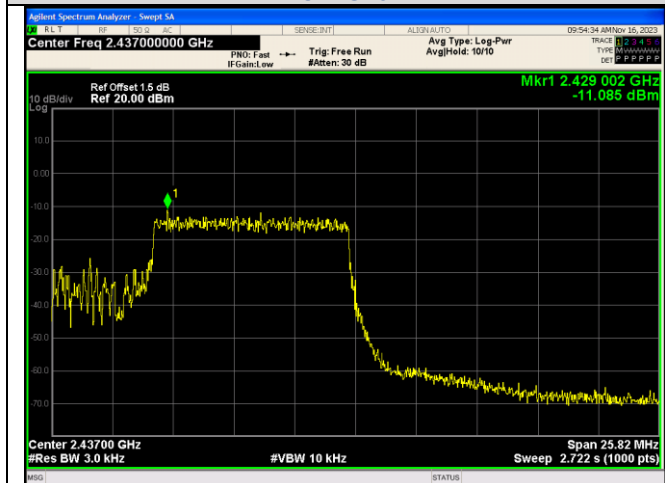
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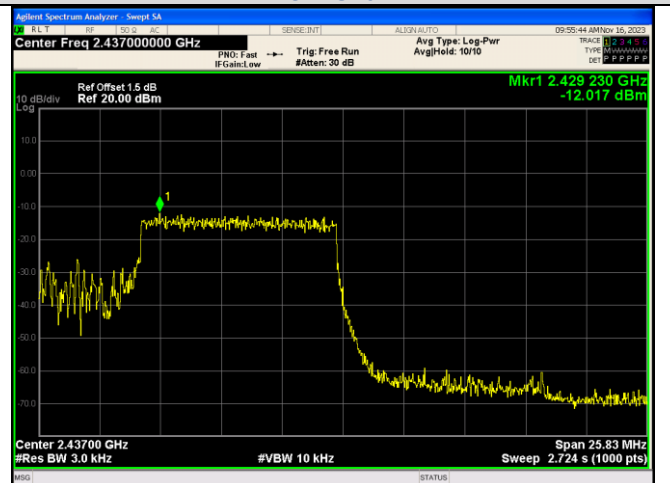
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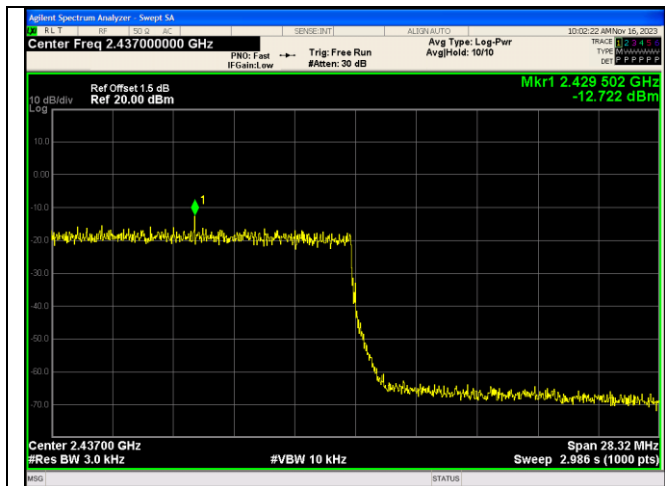
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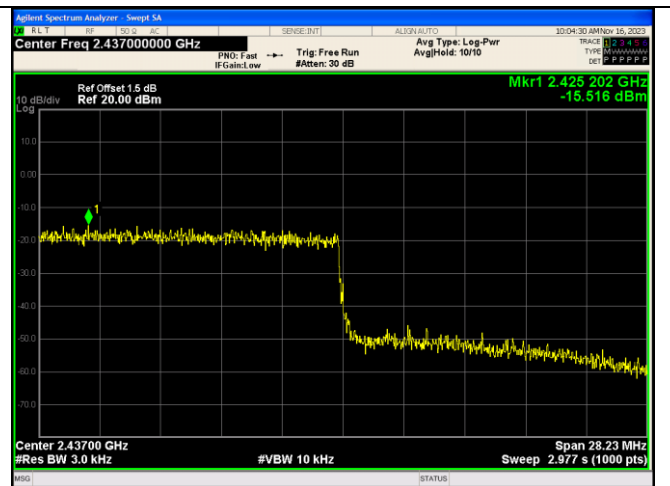
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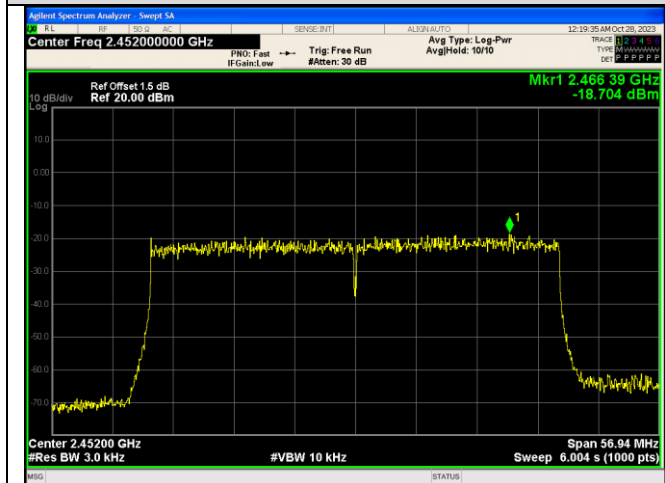
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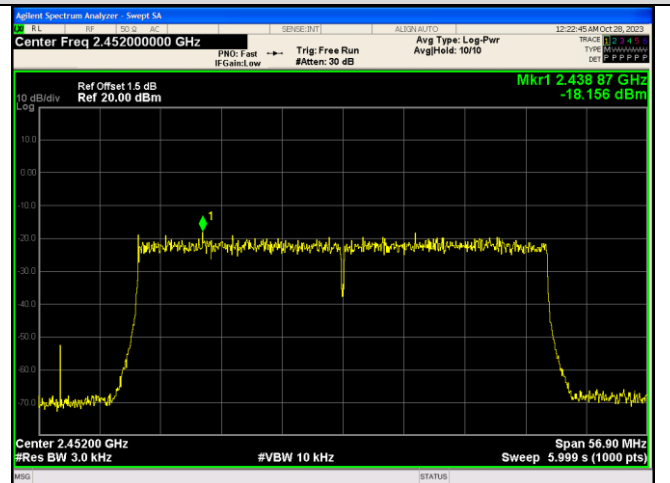
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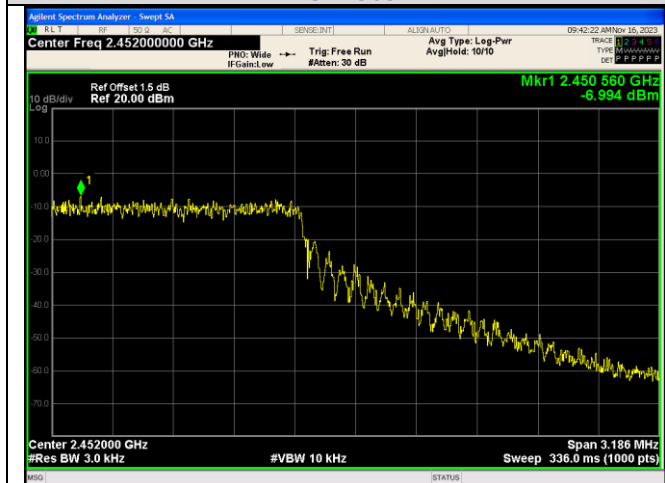
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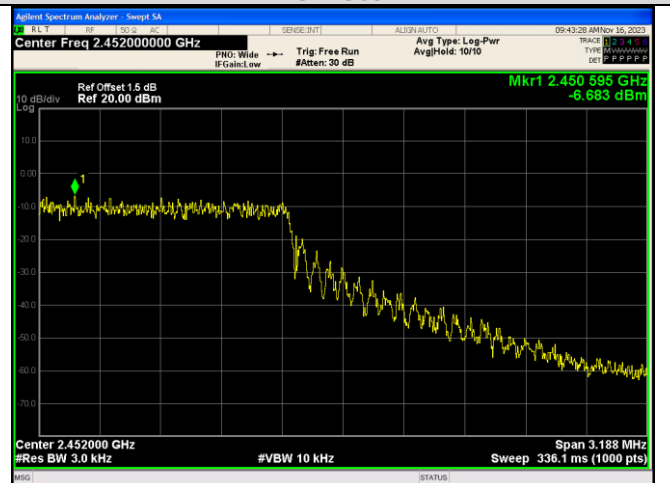
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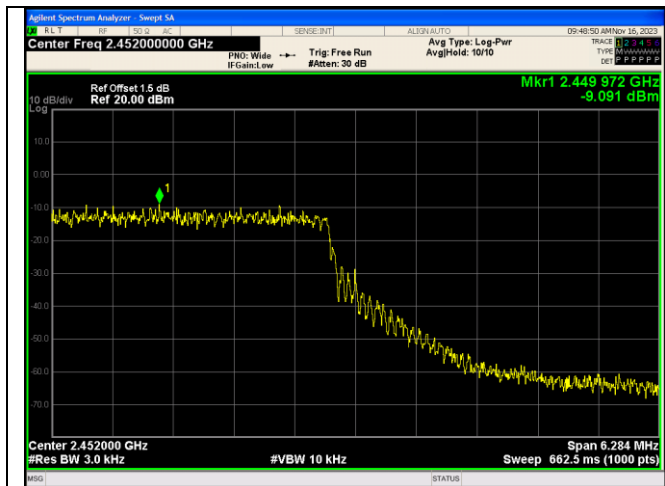
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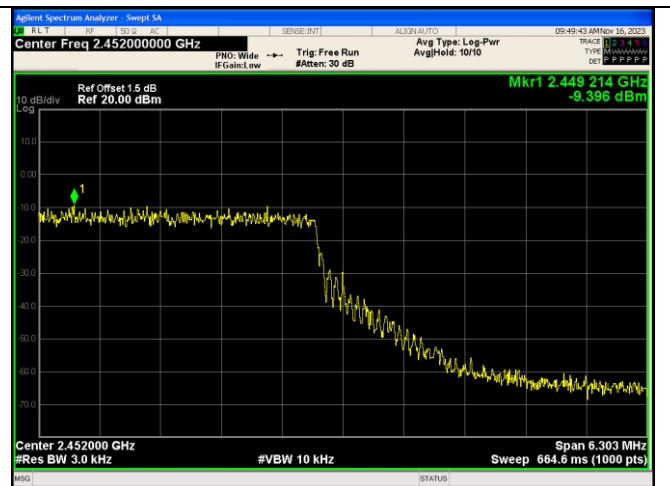
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index 26RU8



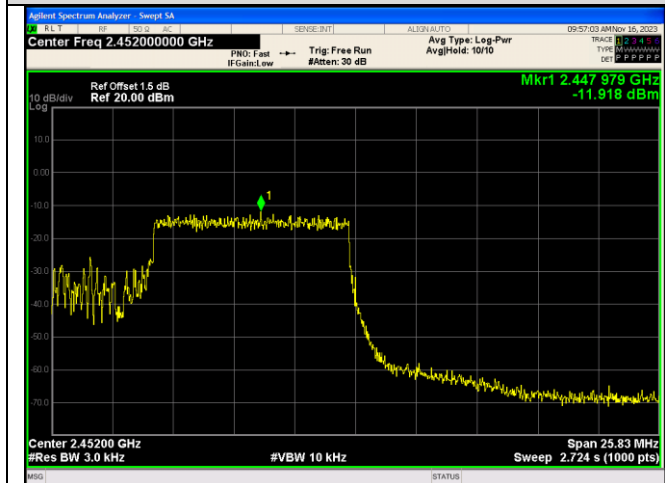
IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index 26RU8



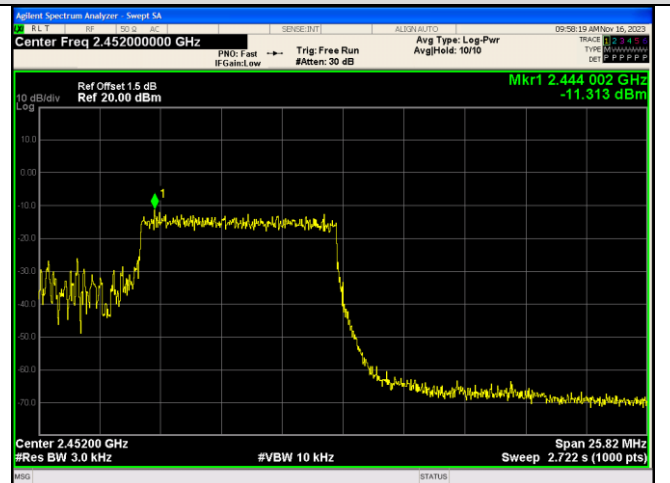
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index 52RU40



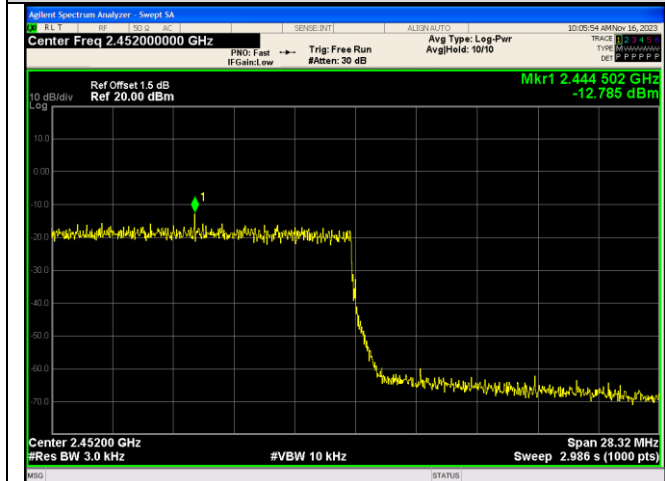
IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index 52RU40



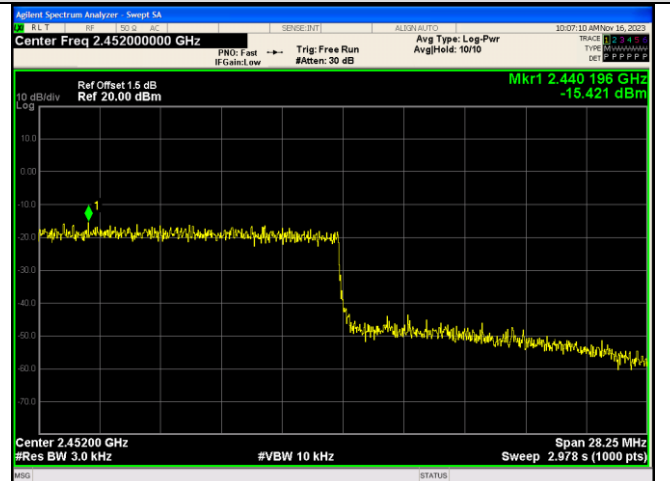
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index 106RU54



IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index 106RU54



IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index 242RU61



IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index 242RU61

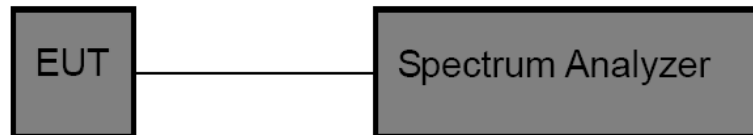


3.8. Duty Cycle

Limit

None, for report purposes only.

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:
Set analyzer center frequency to test channel center frequency.
Set the span to 0Hz.
Set the RBW to 10MHz.
Set the VBW to 10MHz.
Detector: Peak.
Sweep time: Auto.
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

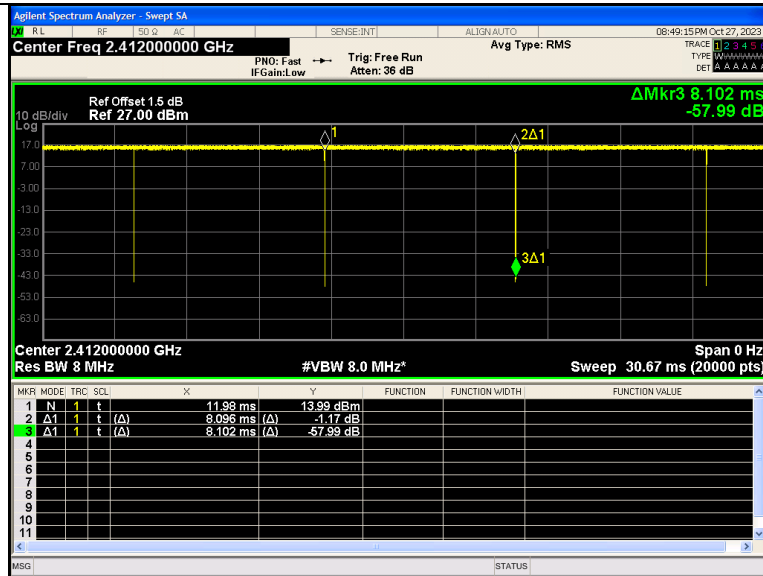
Please refer to the clause 2.4.

**Test Result**

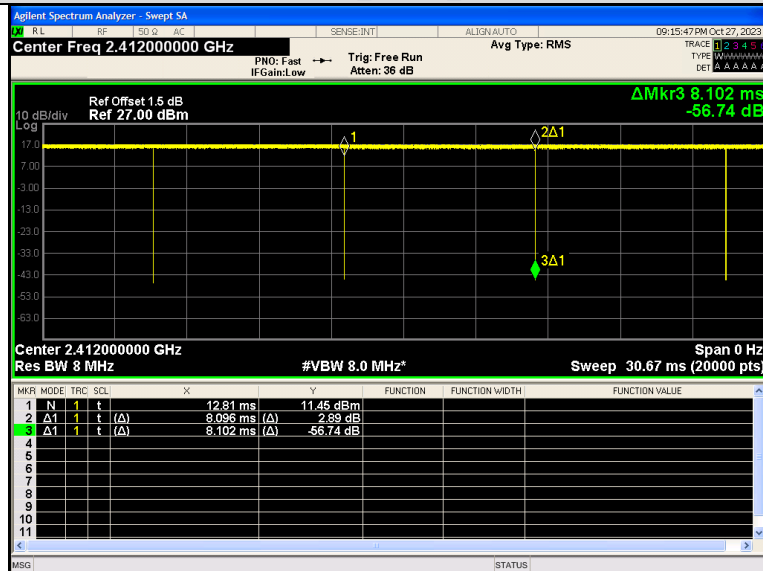
Mode	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	1/T Minimum VBW (kHz)	Final Setting for VBW (kHz)
IEEE 802.11b	1	N/A	0	8.096	8.102	99.92	0.12	1
			1	8.096	8.102	99.92	0.12	1
	6		0	8.097	8.103	99.92	0.12	1
			1	8.096	8.102	99.92	0.12	1
	11		0	8.096	8.102	99.92	0.12	1
			1	8.097	8.101	99.94	0.12	1
IEEE 802.11g	1		0	1.361	1.368	99.54	0.73	1
			1	1.362	1.368	99.56	0.73	1
	6		0	1.362	1.368	99.54	0.73	1
			1	1.362	1.368	99.56	0.73	1
	11		0	1.362	1.368	99.56	0.73	1
			1	1.362	1.368	99.54	0.73	1
IEEE 802.11n_20	1		0	1.273	1.280	99.51	0.79	1
			1	1.274	1.280	99.53	0.78	1
	6		0	1.275	1.280	99.57	0.78	1
			1	1.273	1.280	99.51	0.79	1
	11		0	1.273	1.280	99.51	0.79	1
			1	1.274	1.280	99.53	0.78	1
IEEE 802.11n_40	3		0	0.633	0.640	98.99	1.58	2
			1	0.633	0.640	98.96	1.58	2
	6		0	0.633	0.640	98.99	1.58	2
			1	0.633	0.640	98.96	1.58	2
	9		0	0.633	0.640	98.99	1.58	2
			1	0.633	0.640	98.99	1.58	2
IEEE 802.11ax_20	1	242RU61	0	0.988	0.994	99.36	1.01	2
			1	0.988	0.994	99.36	1.01	2
	6		0	0.988	0.994	99.36	1.01	2
			1	0.988	0.994	99.36	1.01	2
	11		0	0.988	0.994	99.40	1.01	2
			1	0.988	0.994	99.36	1.01	2
IEEE 802.11ax_40	3	484RU65	0	0.521	0.528	98.74	1.92	2
			1	0.521	0.528	98.74	1.92	2
	6		0	0.521	0.528	98.74	1.92	2
			1	0.521	0.528	98.71	1.92	2
	9		0	0.521	0.528	98.74	1.92	2
			1	0.521	0.528	98.71	1.92	2



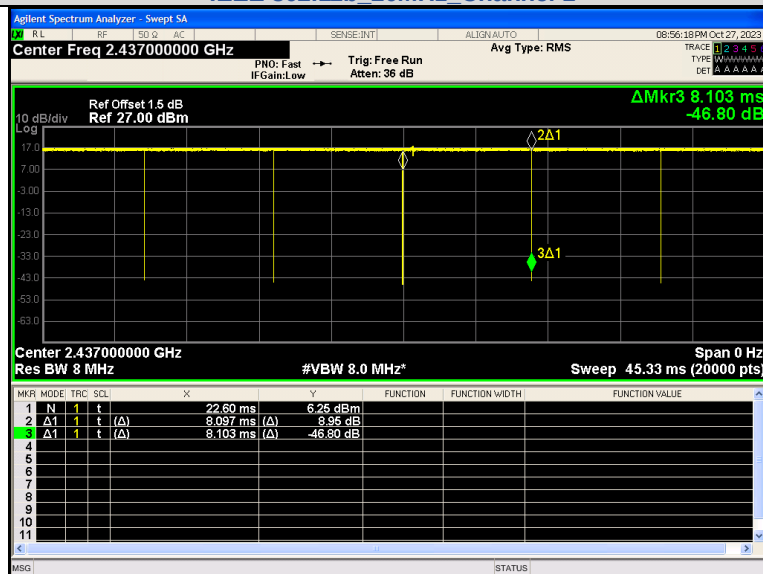
Test plot as follows:



IEEE 802.11b 20MHz Channel 1



IEEE 802.11b 20MHz Channel 1



IEEE 802.11b 20MHz Channel 6

CTC Laboratories, Inc.

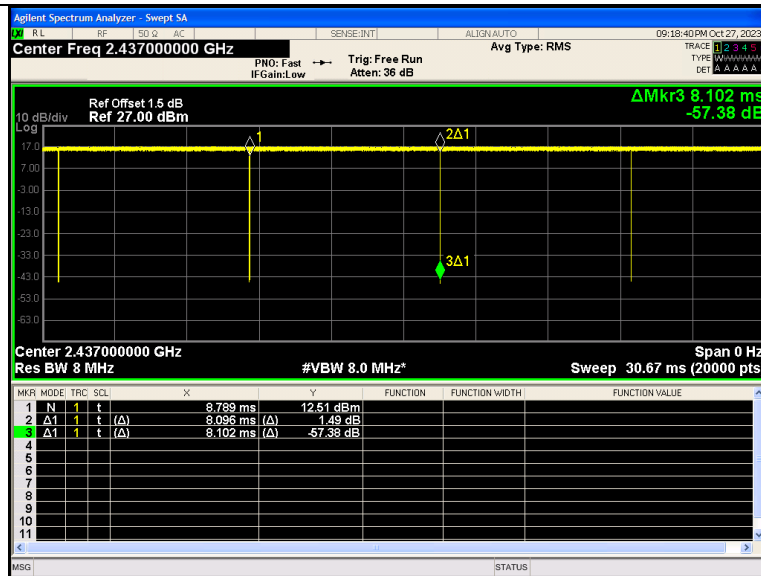
2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

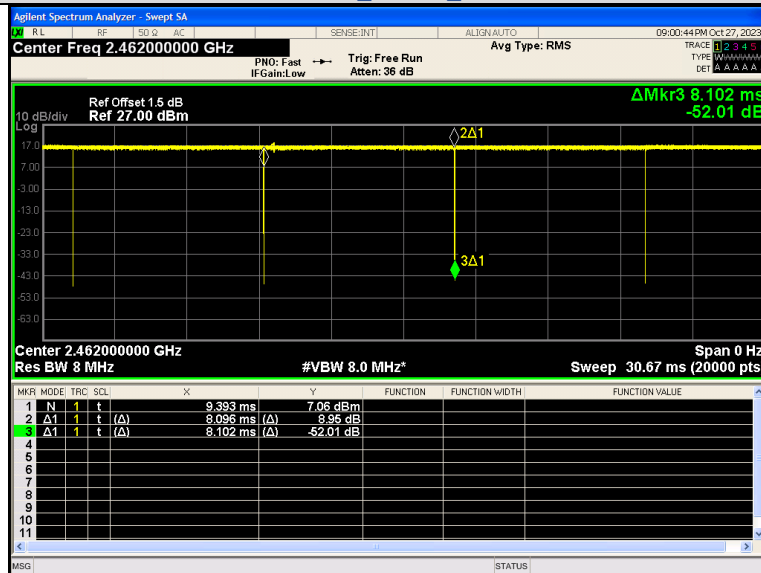
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

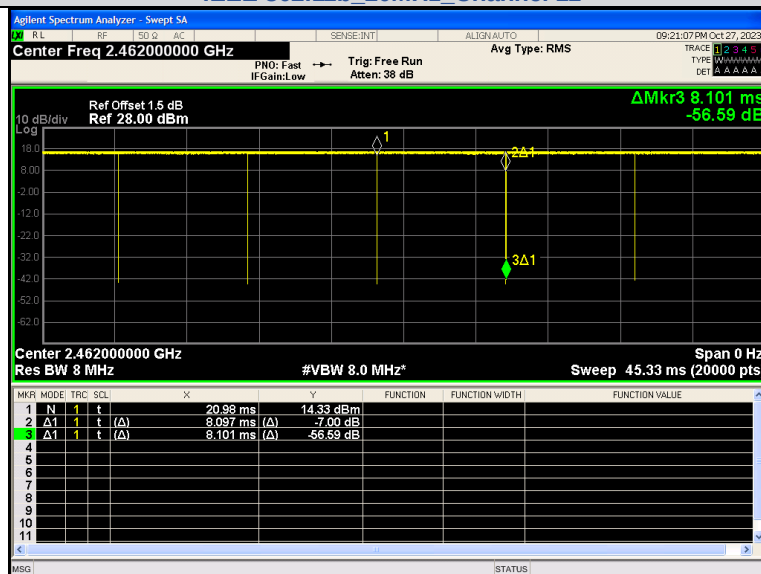
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : <http://yz.cnca.cn>



IEEE 802.11b 20MHz Channel 6



IEEE 802.11b 20MHz Channel 11



IEEE 802.11b 20MHz Channel 11

CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

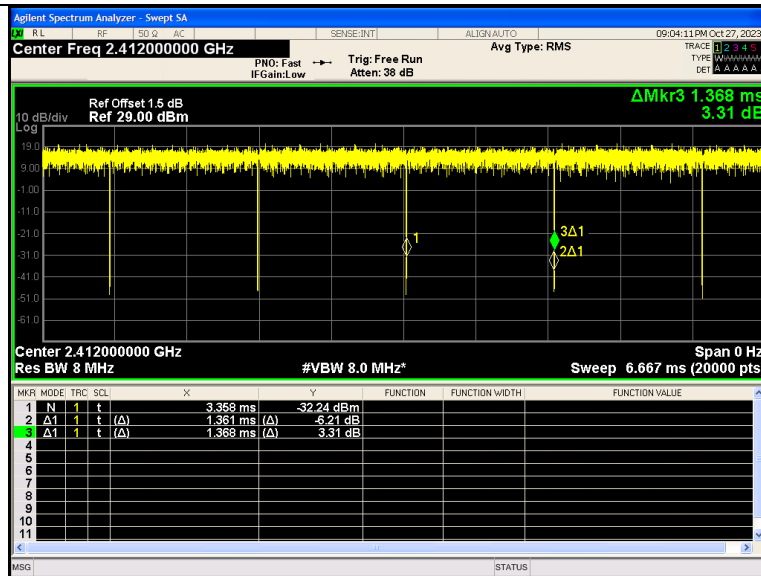
Tel.: (86)755-27521059

Fax: (86)755-27521011

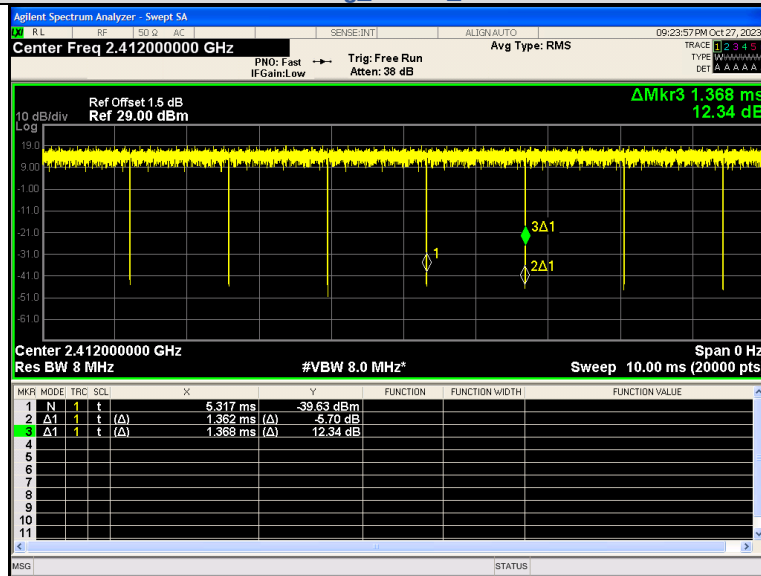
Http://www.sz-ctc.org.cn

For anti-fake verification, please visit the official website of Certification and

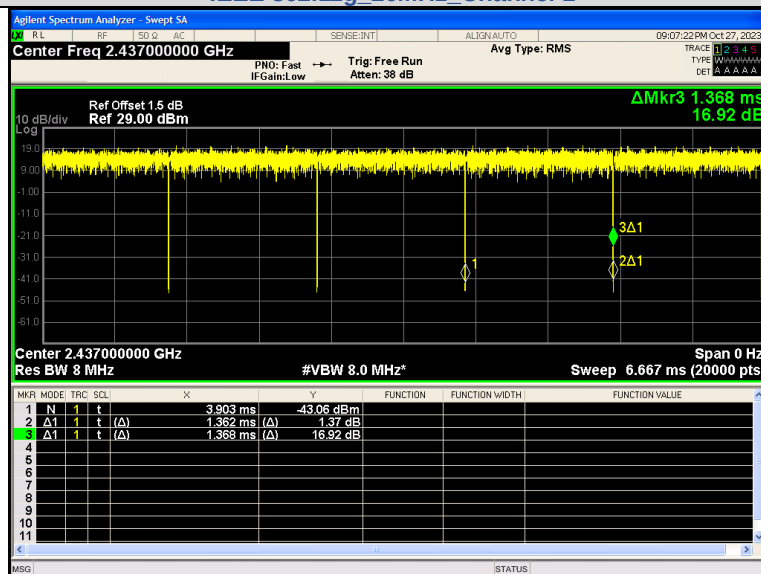
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IEEE 802.11g 20MHz Channel 1



IEEE 802.11g 20MHz Channel 1



IEEE 802.11g 20MHz Channel 6

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Tel.: (86)755-27521059

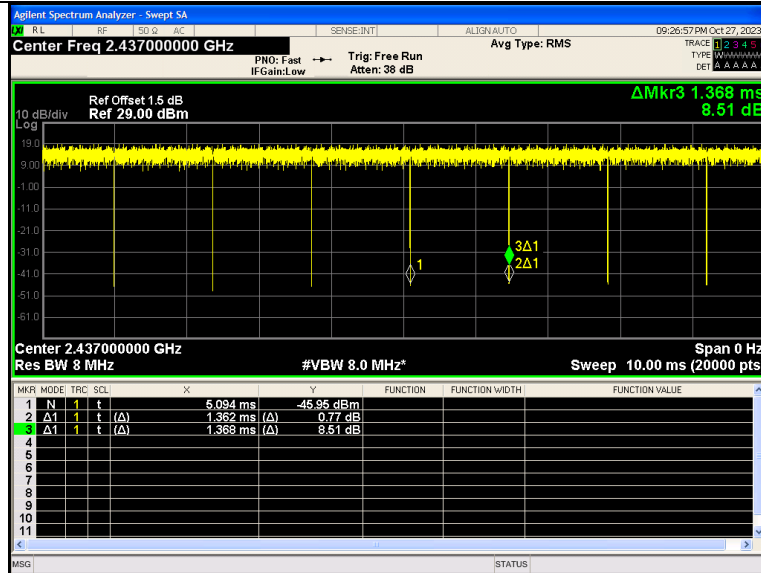
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

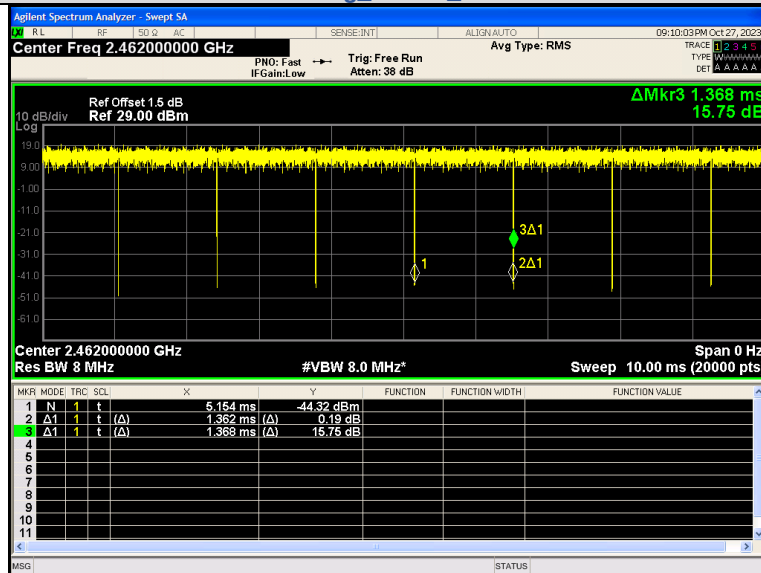


For anti-fake verification, please visit the official website of Certification and

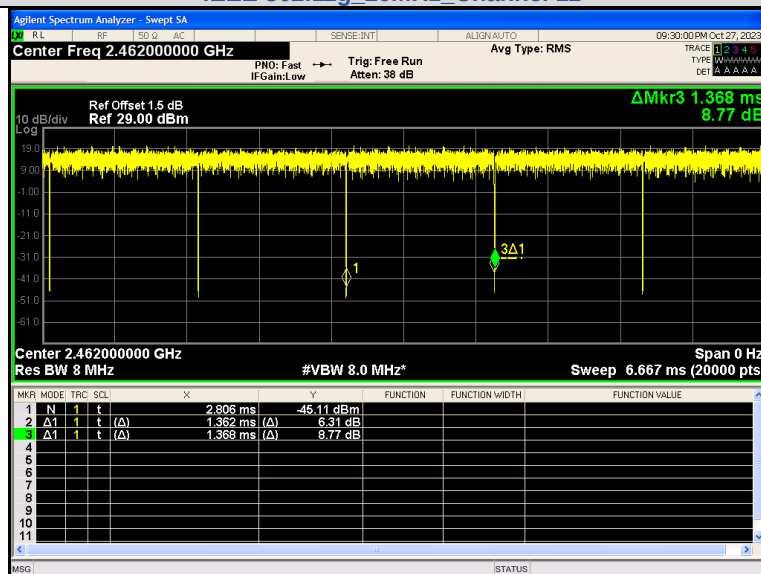
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IEEE 802.11g 20MHz Channel 6



IEEE 802.11g 20MHz Channel 11



IEEE 802.11g 20MHz Channel 11

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