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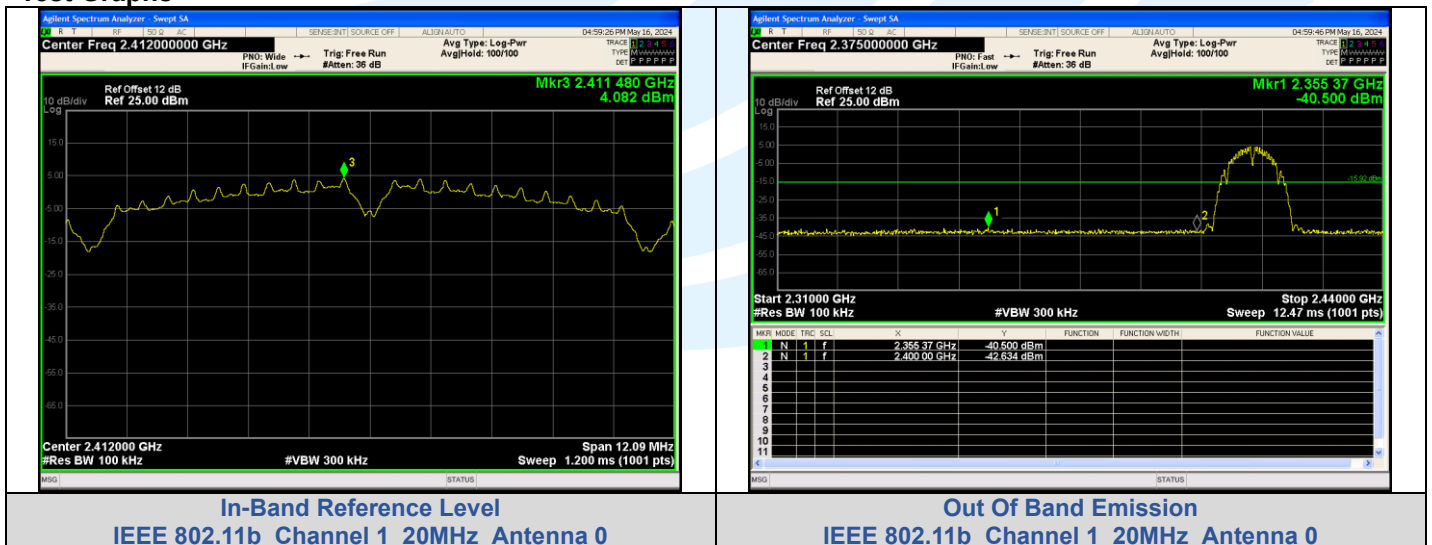
UTTR-RF-RSS247-V1.1

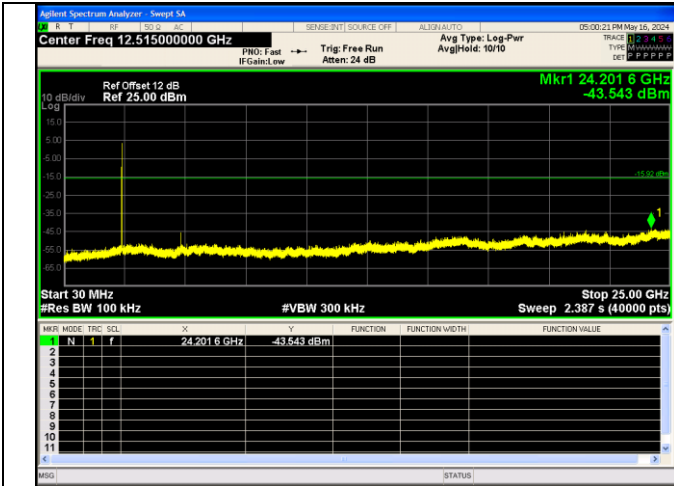
A.3 CONDUCTED OUT OF BAND EMISSION

Test Result

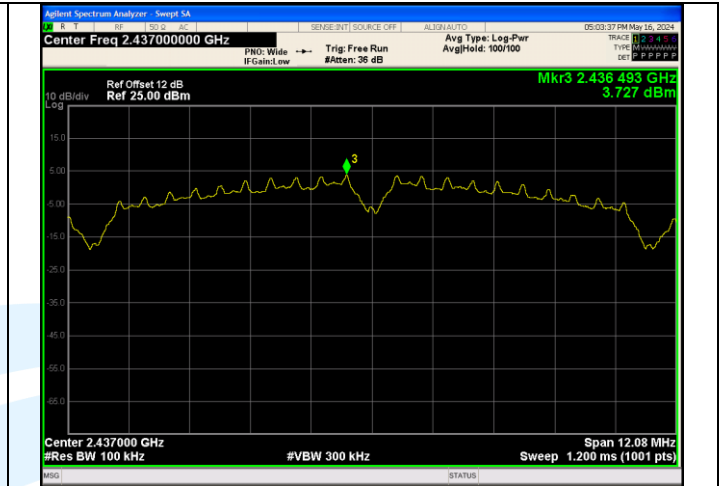
Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	N/A	0	2355.37	-40.500	-15.92	-24.580	PASS
				2400.00	-42.634	-15.92	-26.714	PASS
				24201.6	-43.542	-15.92	-27.622	PASS
				24284.0	-43.025	-16.27	-26.755	PASS
				2483.50	-42.884	-17.12	-25.764	PASS
IEEE 802.11g	6			24789.6	-43.230	-17.12	-26.110	PASS
				2400.00	-37.941	-18.76	-19.181	PASS
				24514.3	-43.230	-18.76	-24.470	PASS
				24774.0	-43.235	-18.98	-24.255	PASS
				2483.50	-42.901	-18.96	-23.941	PASS
IEEE 802.11n_20	11	24908.9	-43.172	-18.96	-24.212	PASS		
		2398.27	-36.702	-18.89	-17.812	PASS		
		2400.00	-37.939	-18.89	-19.049	PASS		
		24505.6	-43.114	-18.89	-24.224	PASS		
		24302.1	-43.000	-18.87	-24.130	PASS		
IEEE 802.11n_40	3	2483.50	-41.242	-16.59	-24.652	PASS		
		24230.3	-43.423	-16.59	-26.833	PASS		
		2398.66	-36.949	-19.95	-16.999	PASS		
		2400.00	-39.898	-19.95	-19.948	PASS		
		24336.4	-43.517	-19.95	-23.567	PASS		
IEEE 802.11ax_20	6	24327.0	-43.440	-19.47	-23.970	PASS		
		2483.50	-41.408	-19.73	-21.678	PASS		
		24911.4	-42.794	-19.73	-23.064	PASS		
		2400.00	-33.875	-16.77	-17.105	PASS		
		24943.8	-43.388	-16.77	-26.618	PASS		
IEEE 802.11ax_40	9	24976.3	-42.892	-16.75	-26.142	PASS		
		2483.50	-41.475	-16.94	-24.535	PASS		
		24348.9	-43.146	-16.94	-26.206	PASS		
		2400.00	-38.917	-20.23	-18.687	PASS		
		24340.2	-42.744	-20.23	-22.514	PASS		
IEEE 802.11ax_40	3	24438.2	-42.794	-20.27	-22.524	PASS		
		2483.50	-41.726	-21.07	-20.656	PASS		
		24966.3	-43.704	-21.07	-22.634	PASS		

Test Graphs

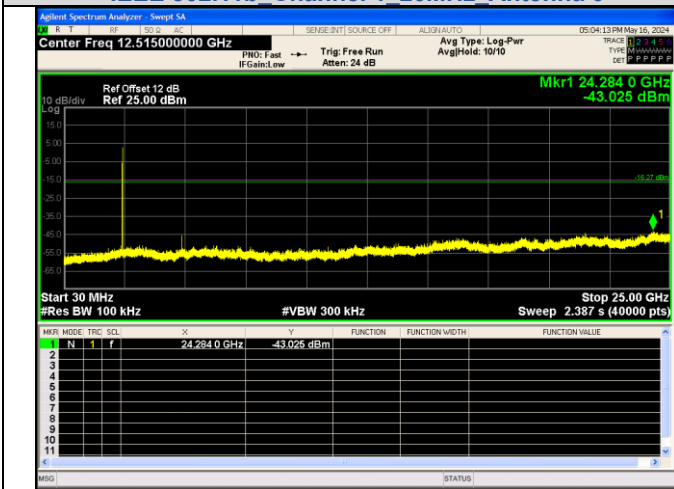




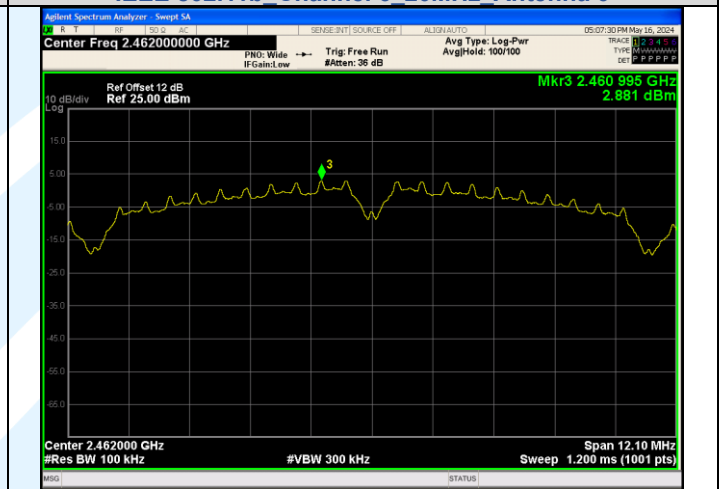
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IEEE 802.11b Channel 1 20MHz Antenna 0



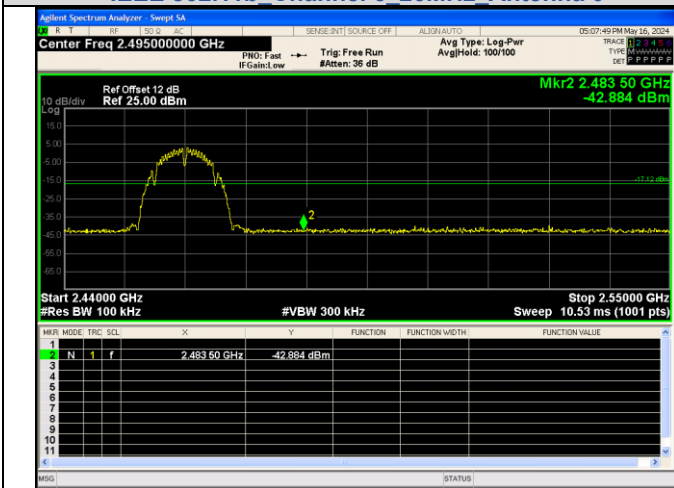
In-Band Reference Level
IEEE 802.11b Channel 6 20MHz Antenna 0



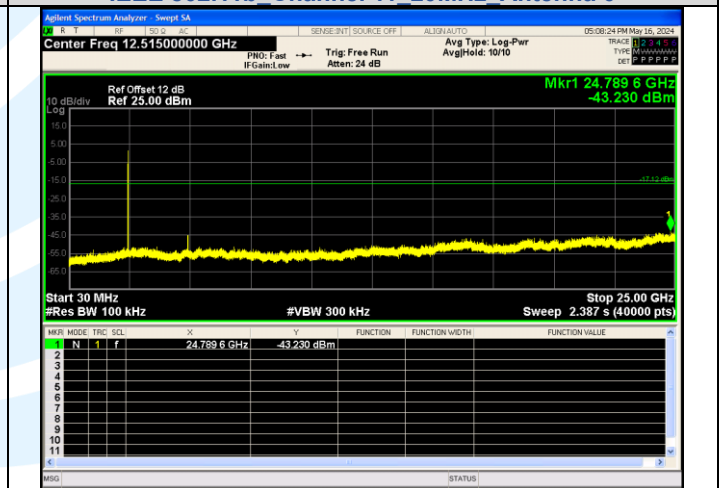
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IEEE 802.11b Channel 6 20MHz Antenna 0



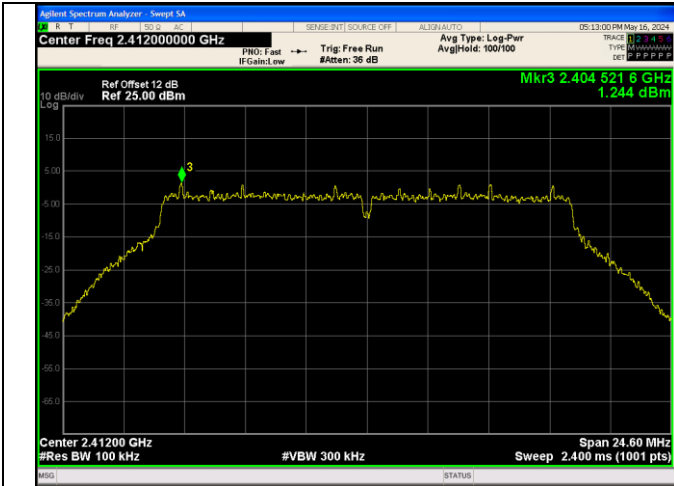
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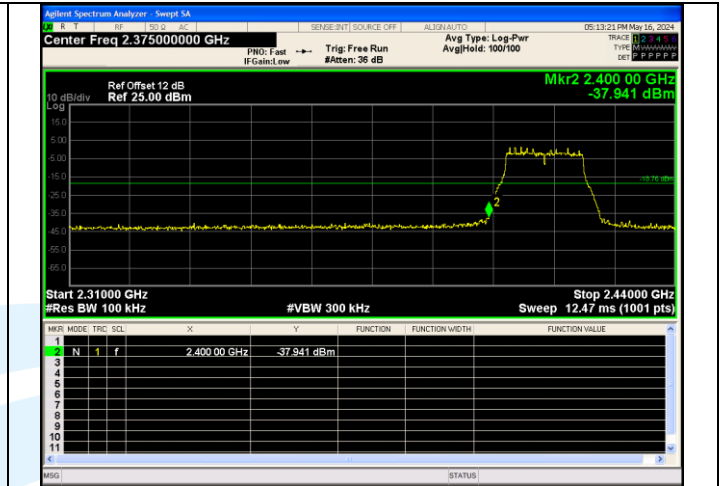
Out Of Band Emission
IEEE 802.11b Channel 11 20MHz Antenna 0



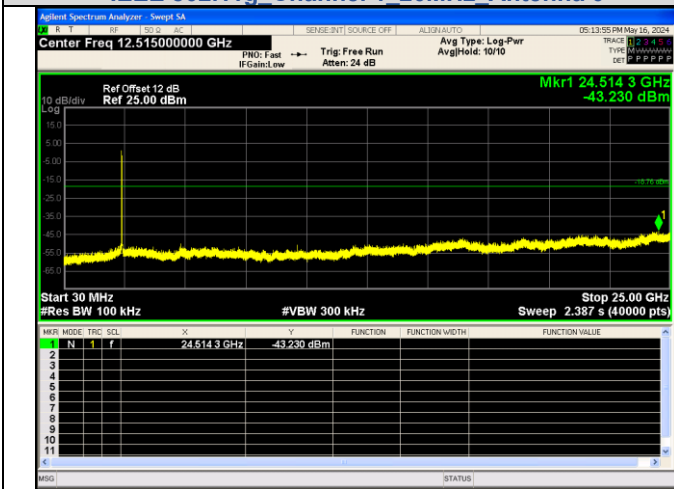
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IEEE 802.11b Channel 11 20MHz Antenna 0



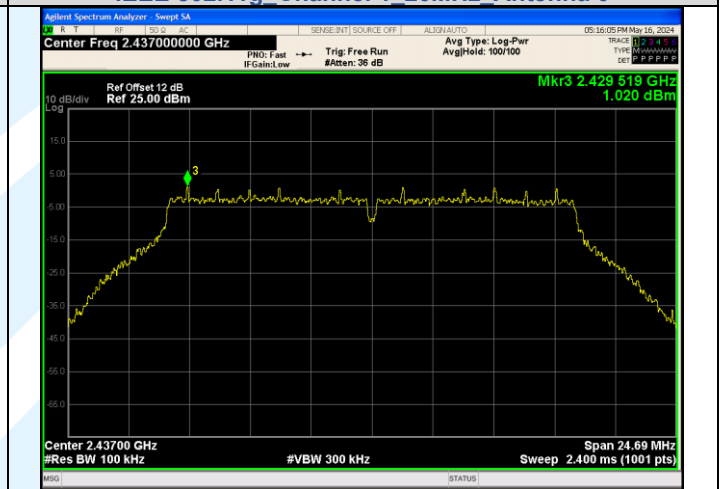
**In-Band Reference Level
 IEEE 802.11g Channel 1 20MHz Antenna 0**



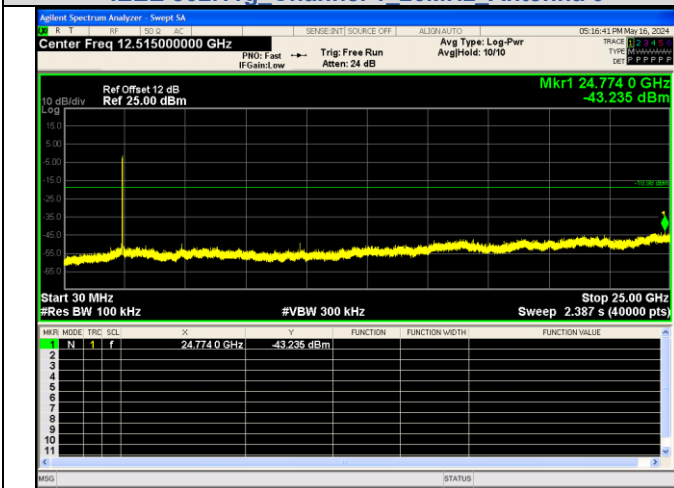
**Out Of Band Emission
 IEEE 802.11g Channel 1 20MHz Antenna 0**



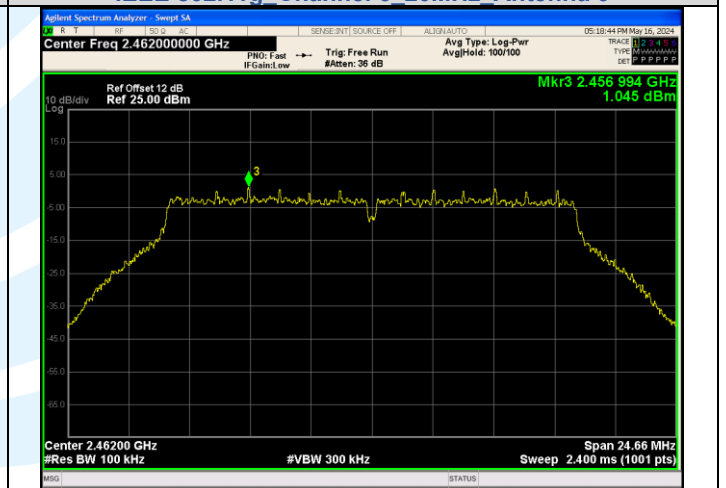
**30.0 MHz - 25000.0 MHz
 IEEE 802.11g Channel 1 20MHz Antenna 0**



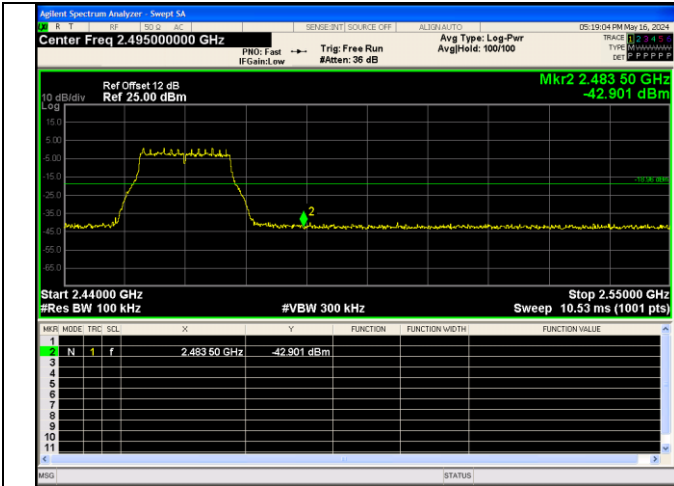
**In-Band Reference Level
 IEEE 802.11g Channel 6 20MHz Antenna 0**



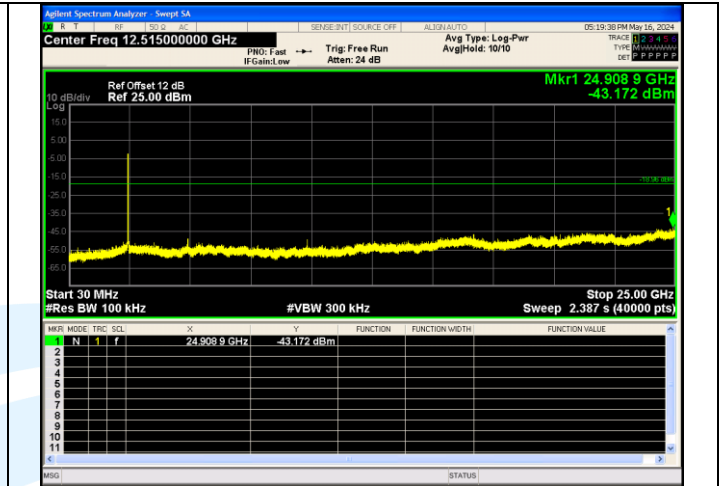
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 IEEE 802.11g Channel 6 20MHz Antenna 0**



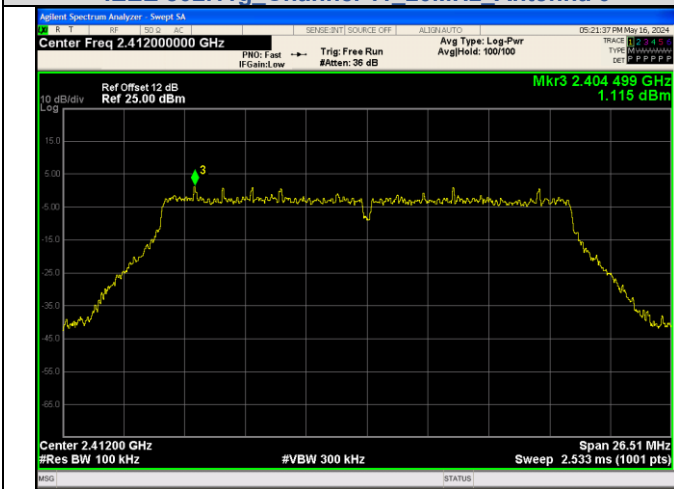
**In-Band Reference Level
 IEEE 802.11g Channel 11 20MHz Antenna 0**



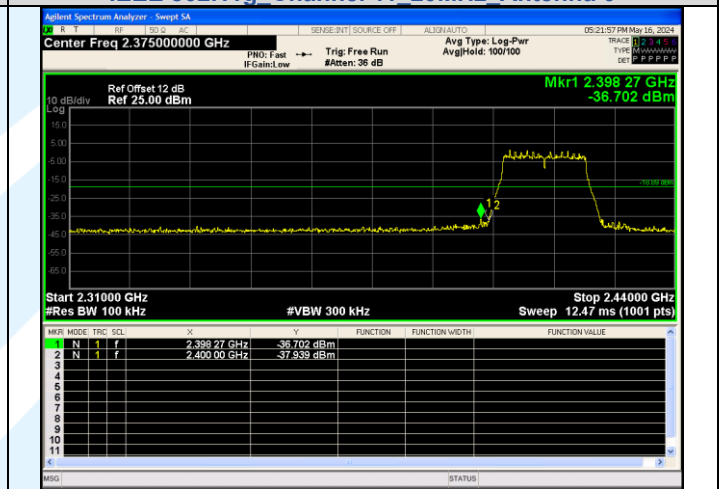
Out Of Band Emission
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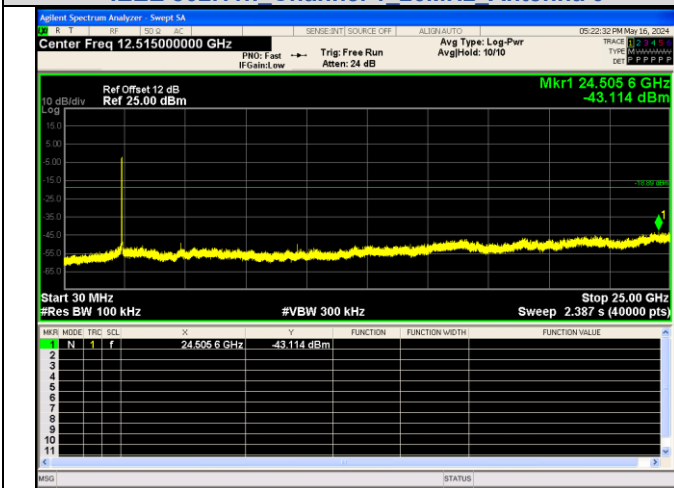
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IEEE 802.11g Channel 11 20MHz Antenna 0



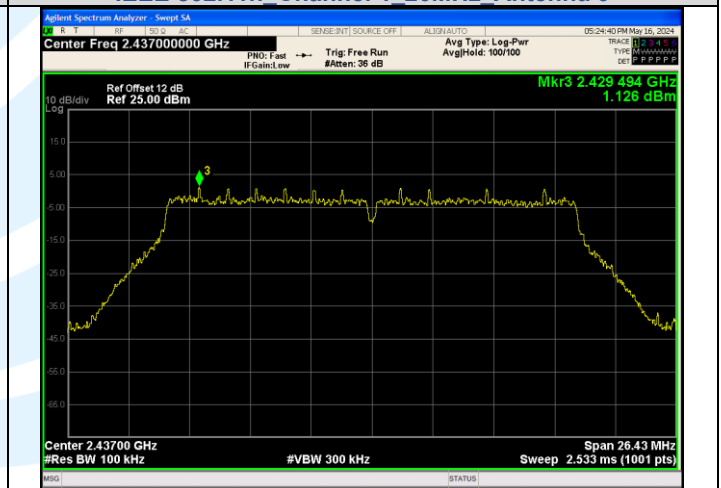
In-Band Reference Level
IEEE 802.11n Channel 1 20MHz Antenna 0



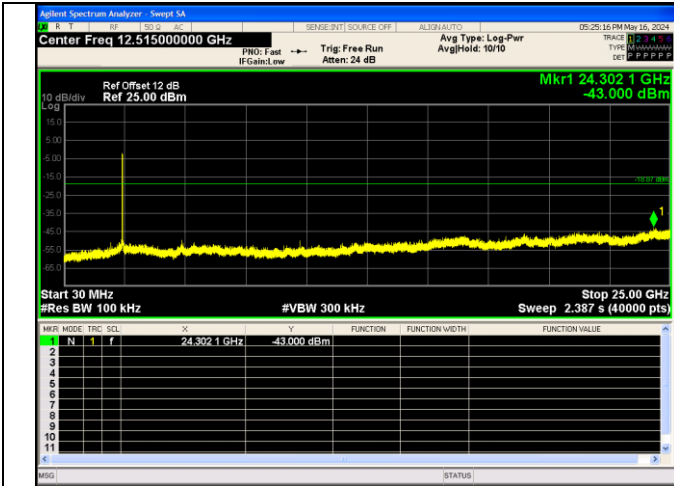
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IEEE 802.11n Channel 1 20MHz Antenna 0



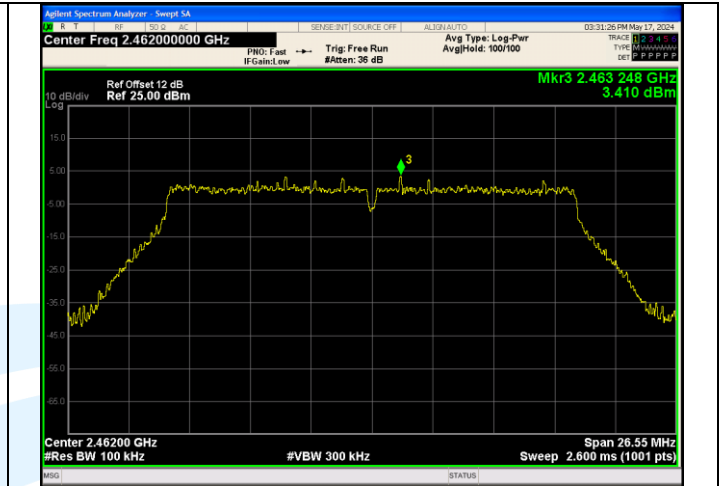
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IEEE 802.11n Channel 1 20MHz Antenna 0



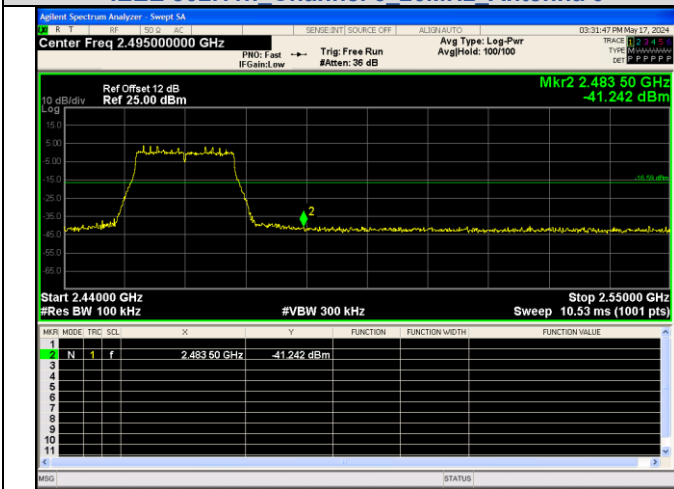
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IEEE 802.11n Channel 6 20MHz Antenna 0



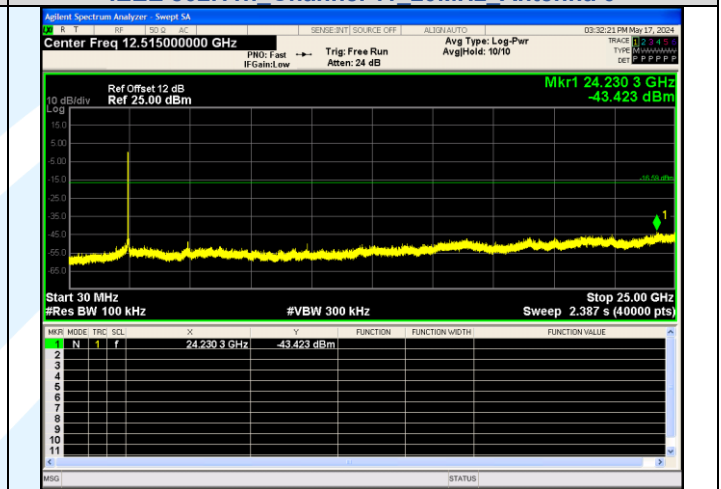
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IEEE 802.11n Channel 6 20MHz Antenna 0



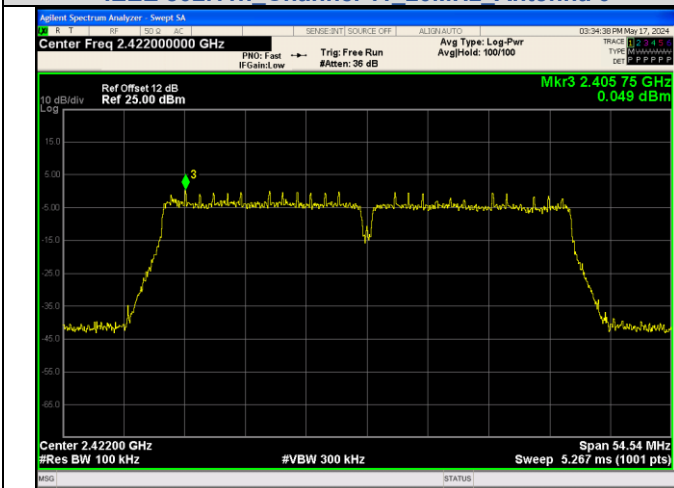
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IEEE 802.11n Channel 11 20MHz Antenna 0



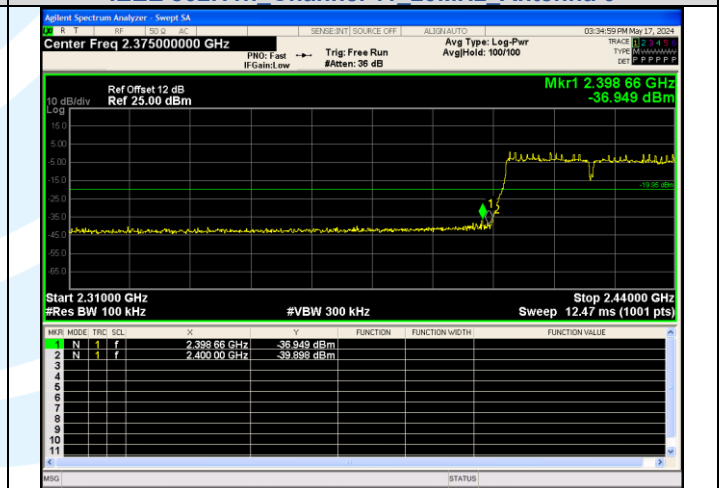
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IEEE 802.11n Channel 11 20MHz Antenna 0



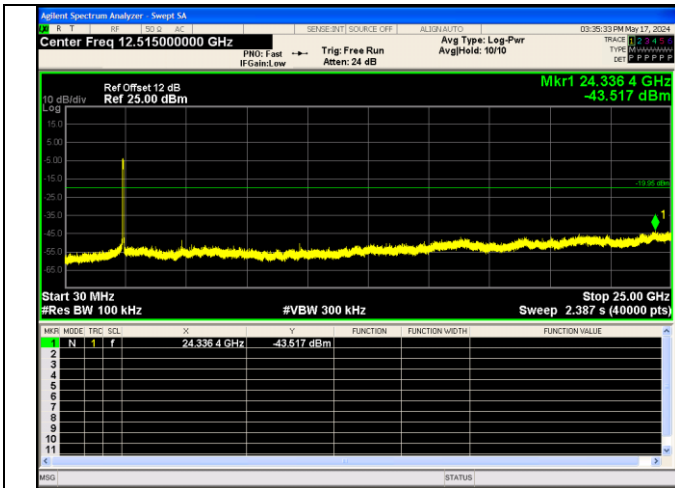
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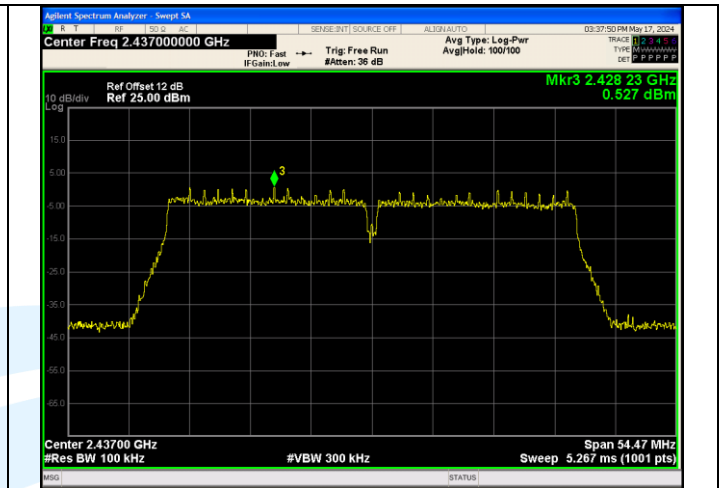
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IEEE 802.11n Channel 3 40MHz Antenna 0



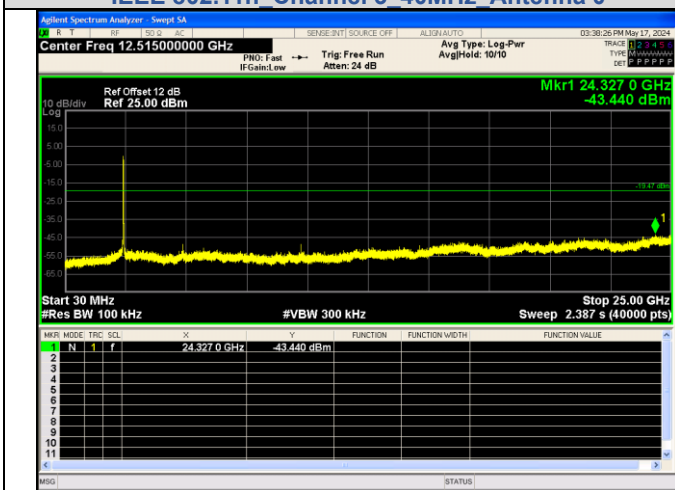
Out Of Band Emission
IEEE 802.11n Channel 3 40MHz Antenna 0



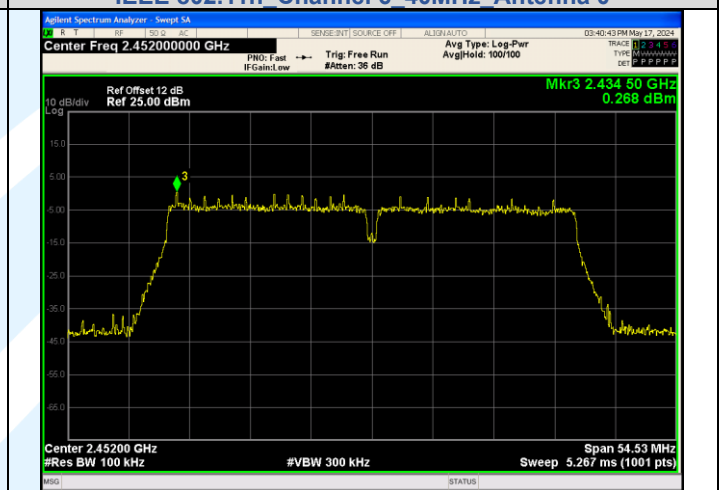
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IEEE 802.11n Channel 3 40MHz Antenna 0



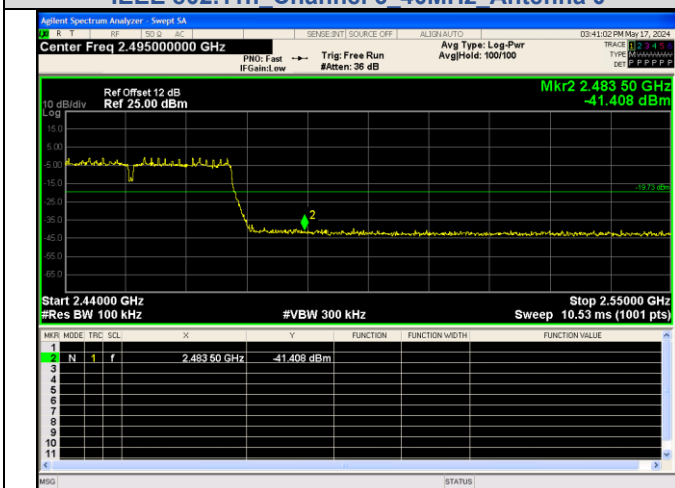
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IEEE 802.11n Channel 6 40MHz Antenna 0



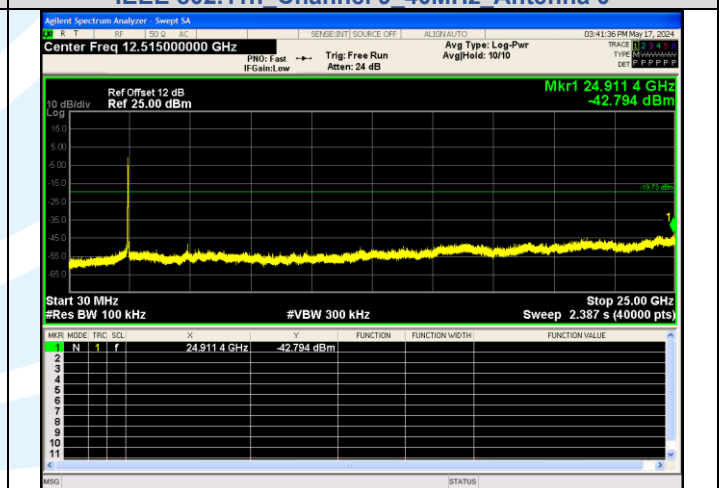
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IEEE 802.11n Channel 6 40MHz Antenna 0



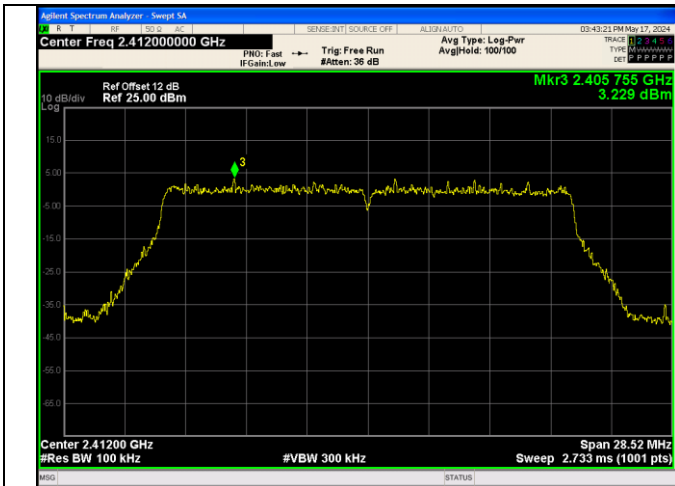
In-Band Reference Level
IEEE 802.11n Channel 9 40MHz Antenna 0



Out Of Band Emission
IEEE 802.11n Channel 9 40MHz Antenna 0

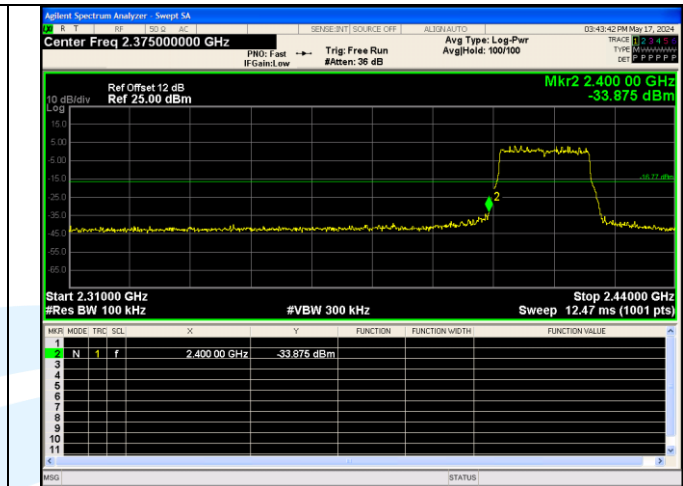


30.0 MHz - 25000.0 MHz
IEEE 802.11n Channel 9 40MHz Antenna 0



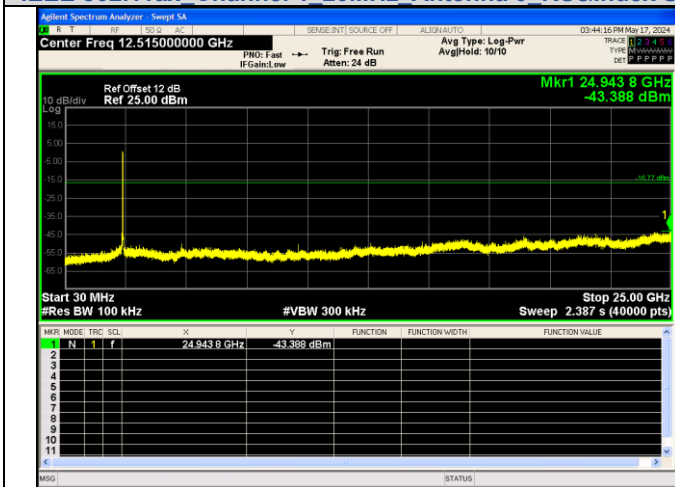
In-Band Reference Level

IEEE 802.11ax Channel 1 20MHz Antenna 0 RU&Index SU



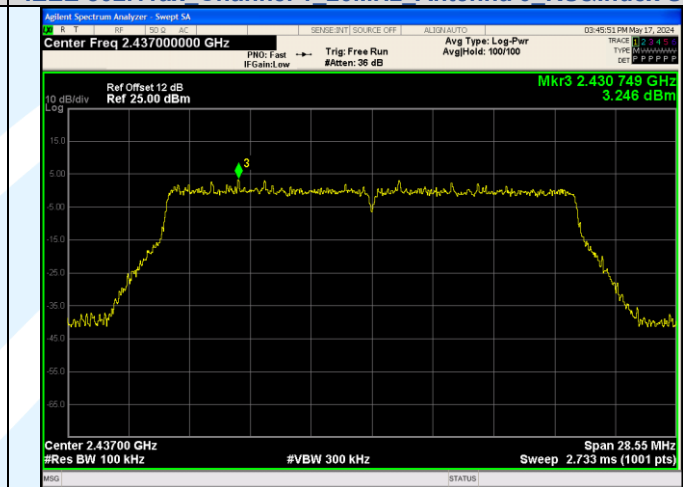
Out Of Band Emission

IEEE 802.11ax Channel 1 20MHz Antenna 0 RU&Index SU



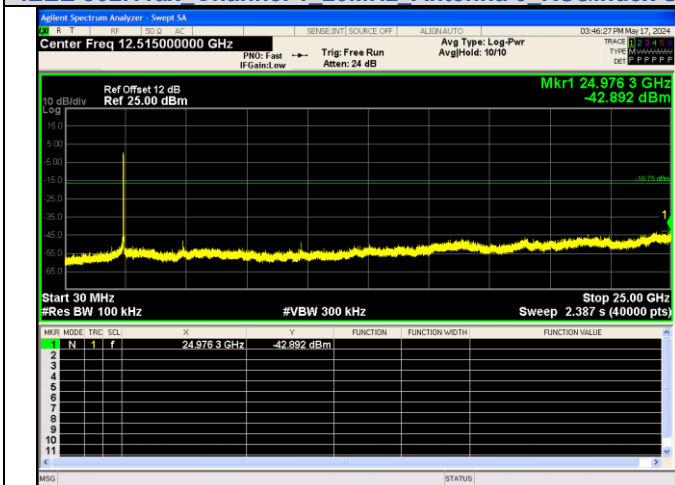
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IEEE 802.11ax Channel 1 20MHz Antenna 0 RU&Index SU



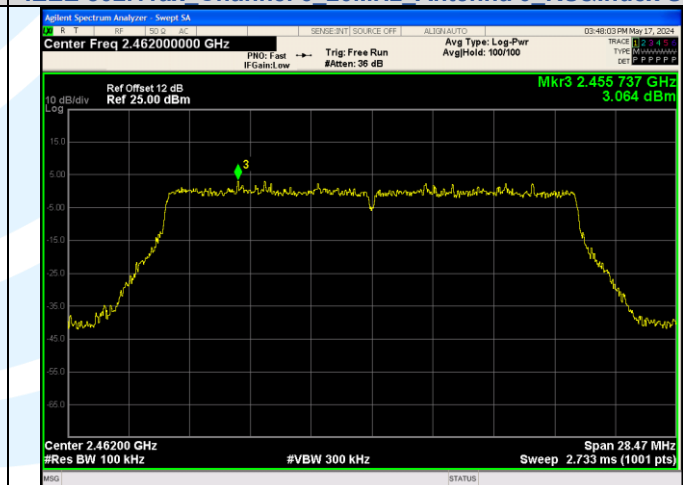
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IEEE 802.11ax Channel 6 20MHz Antenna 0 RU&Index SU



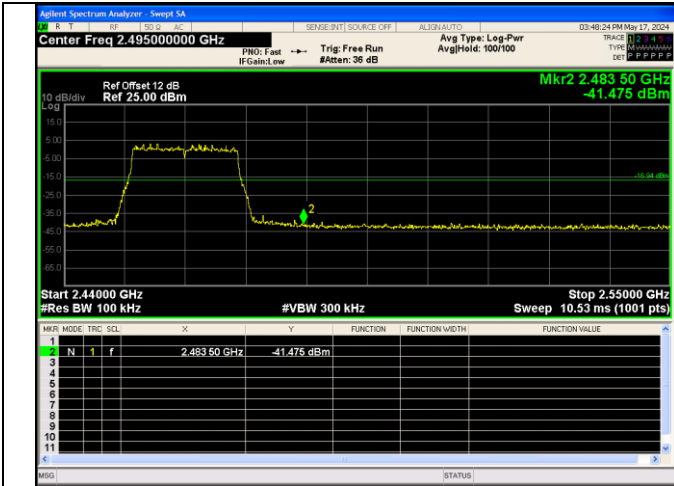
30.0 MHz - 25000.0 MHz

IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index SU

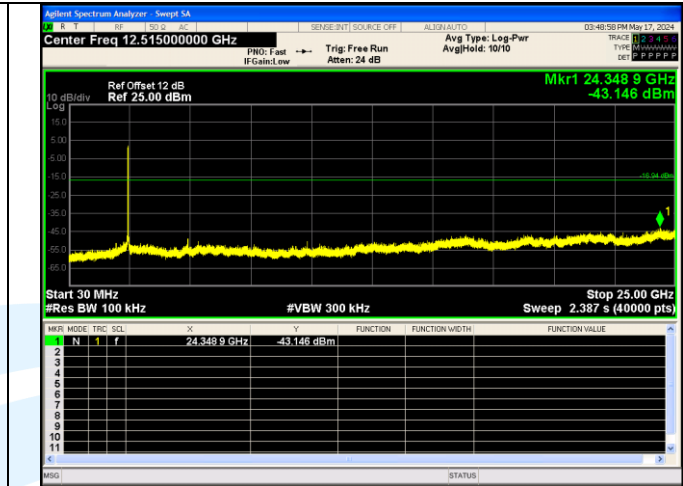


In-Band Reference Level

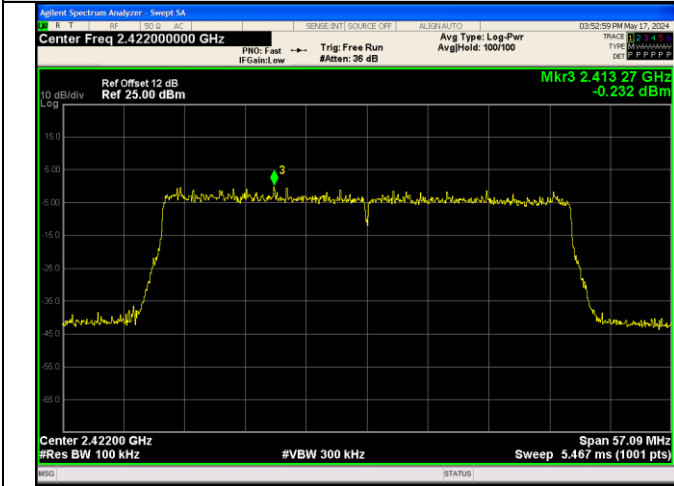
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



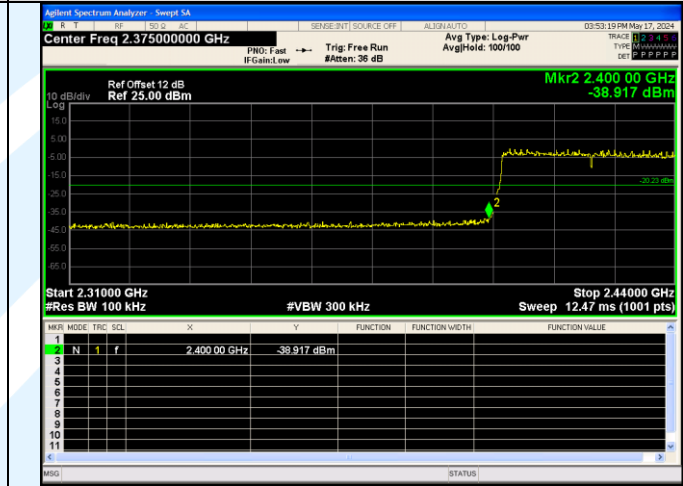
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IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



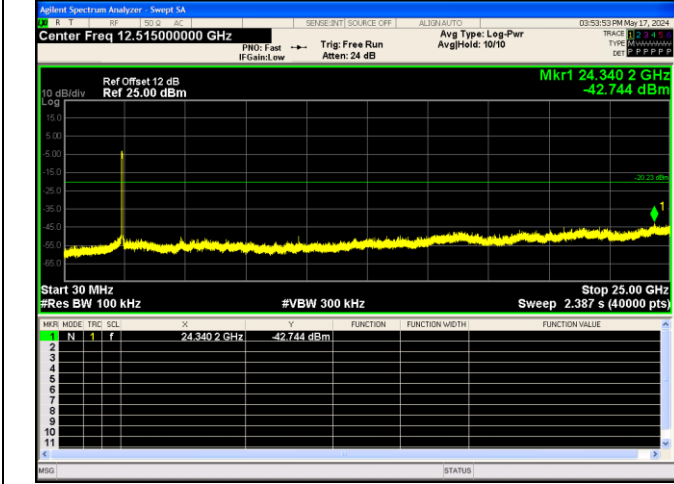
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IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



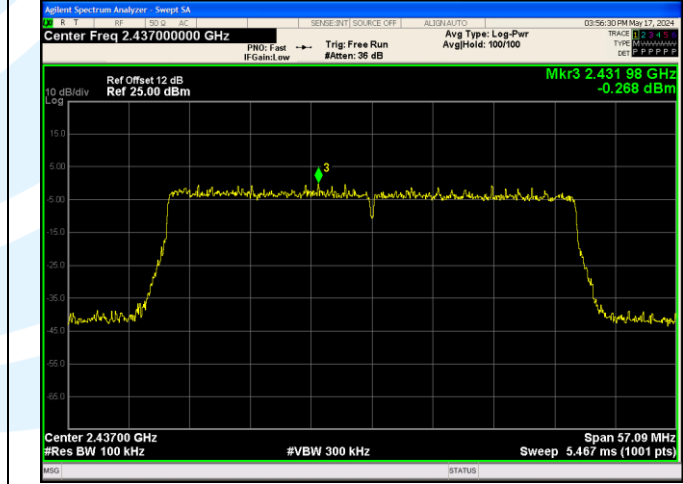
In-Band Reference Level
IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



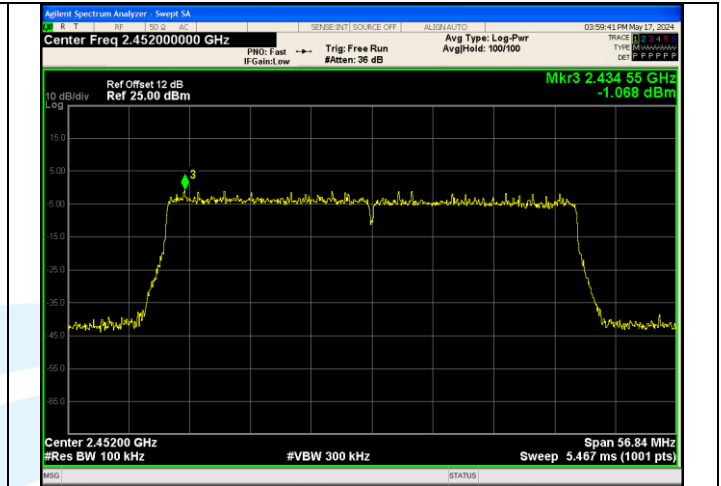
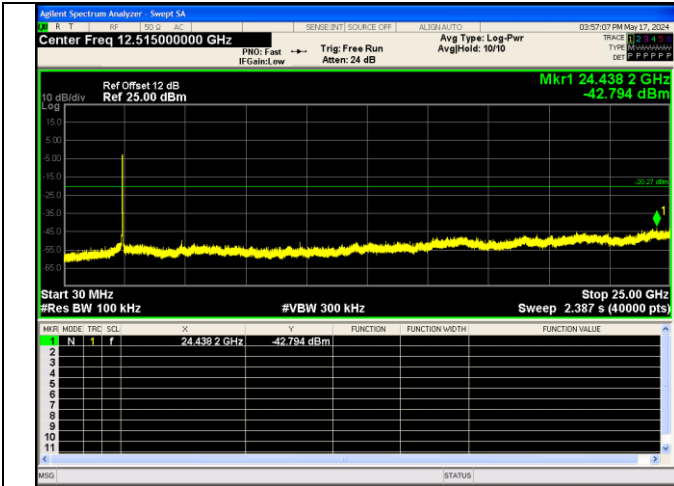
Out Of Band Emission
IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU

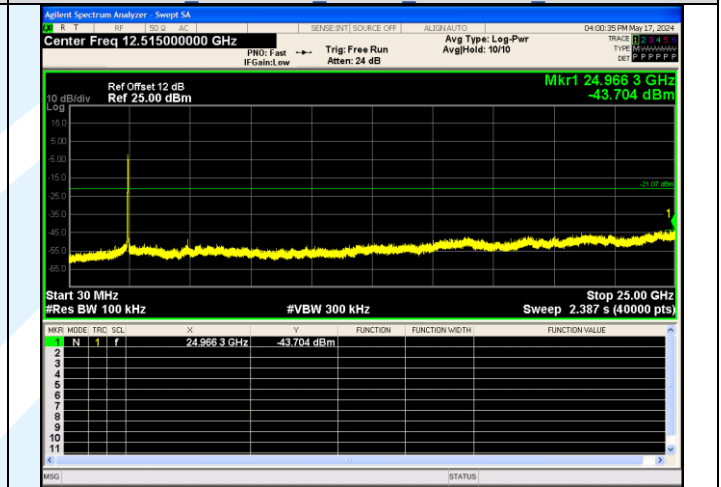
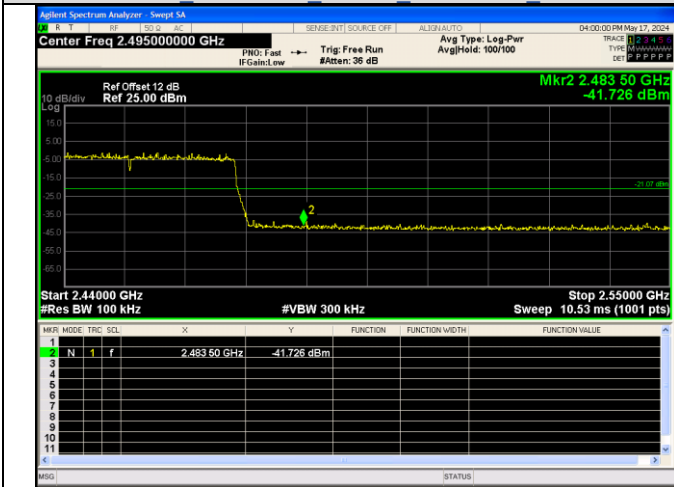


In-Band Reference Level
IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index SU



30.0 MHz - 25000.0 MHz
IEEE 802.11ax Channel 6 40MHz Antenna 0 RU&Index SU

In-Band Reference Level
IEEE 802.11ax Channel 9 40MHz Antenna 0 RU&Index SU



Out Of Band Emission
IEEE 802.11ax Channel 9 40MHz Antenna 0 RU&Index SU

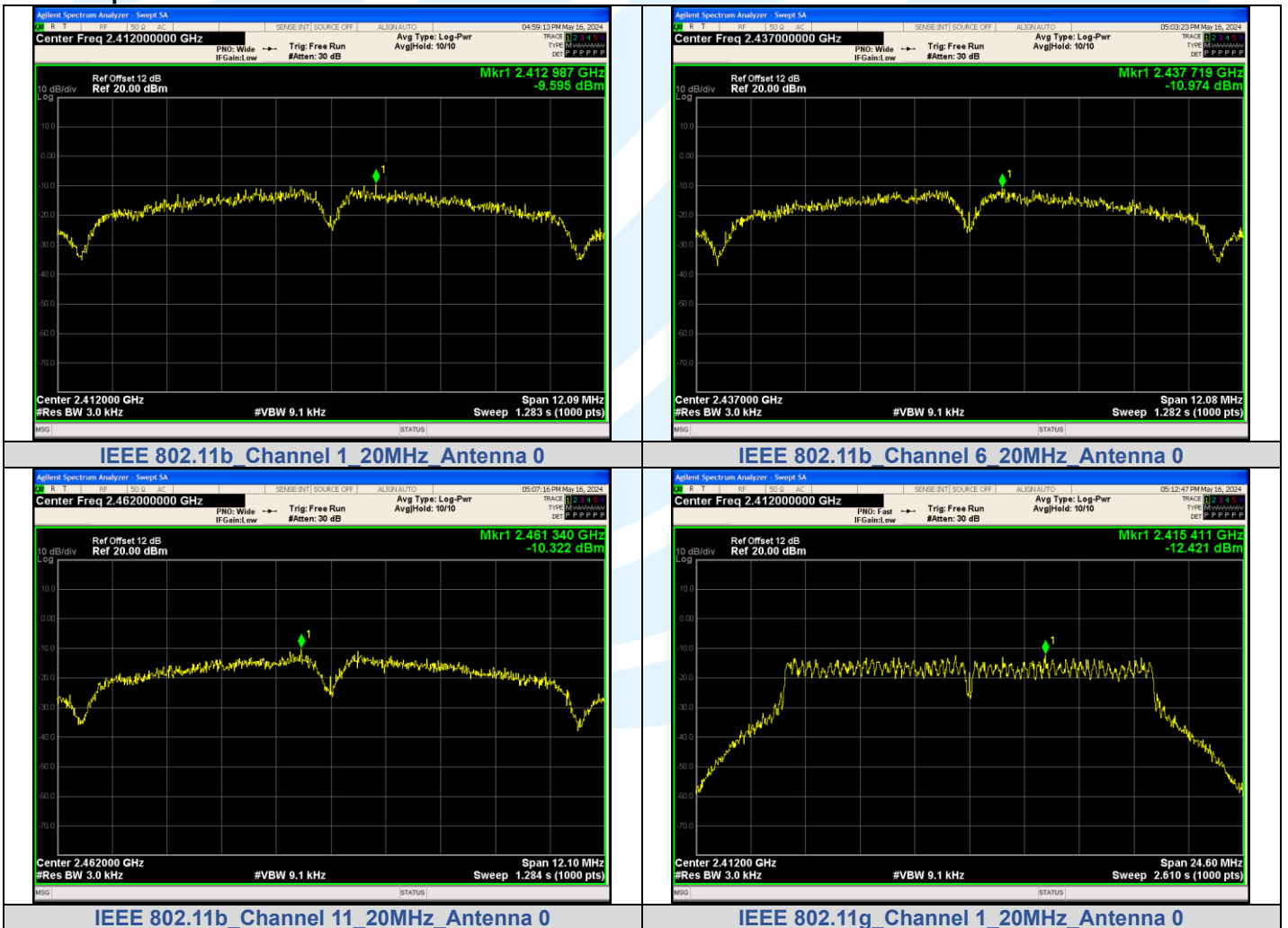
30.0 MHz - 25000.0 MHz
IEEE 802.11ax Channel 9 40MHz Antenna 0 RU&Index SU

A.4 POWER SPECTRAL DENSITY

Test Result

Mode	Channel	RU & Index	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	N/A	-9.595	8	PASS
	6		-10.974		PASS
	11		-10.322		PASS
IEEE 802.11g	1		-12.421		PASS
	6		-12.820		PASS
	11		-12.143		PASS
IEEE 802.11n_20	1		-13.344		PASS
	6		-12.770		PASS
	11		-10.512		PASS
IEEE 802.11n_40	3	-13.350	PASS		
	6	-13.059	PASS		
	9	-13.668	PASS		
IEEE 802.11ax_20	1	SU	-11.190		PASS
	6		-10.251		PASS
	11		-11.553		PASS
IEEE 802.11ax_40	3		-12.989		PASS
	6		-13.905		PASS
	9		-15.338		PASS

Test Graphs



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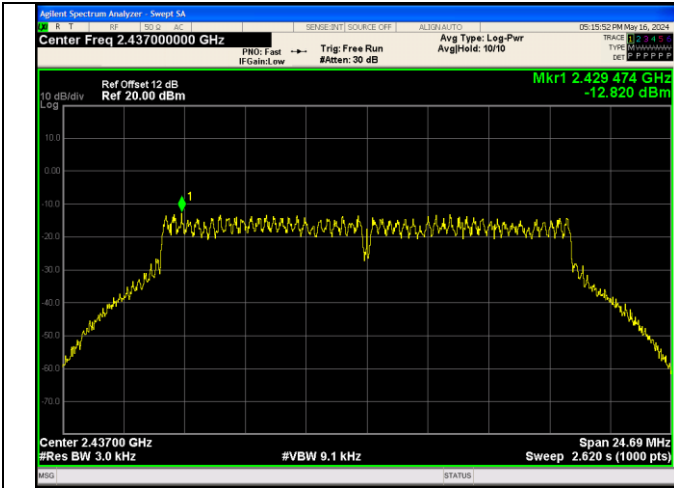
Tel: +86-755-28230888

Fax: +86-755-28230886

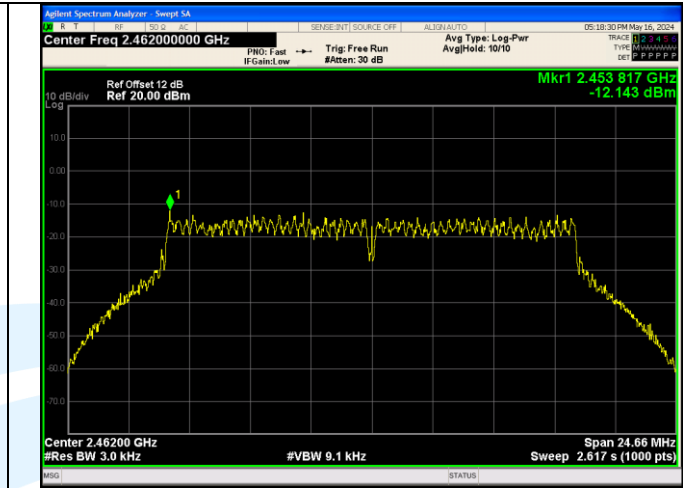
E-mail: info@uttlab.com

<http://www.uttlab.com>

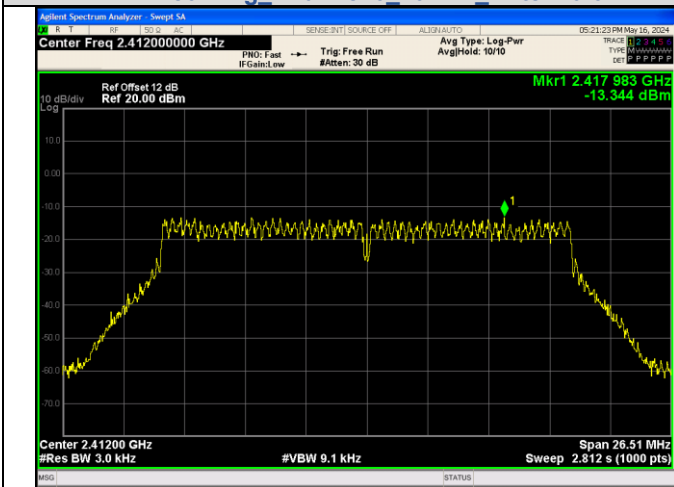
UTTR-RF-RSS247-V1.1



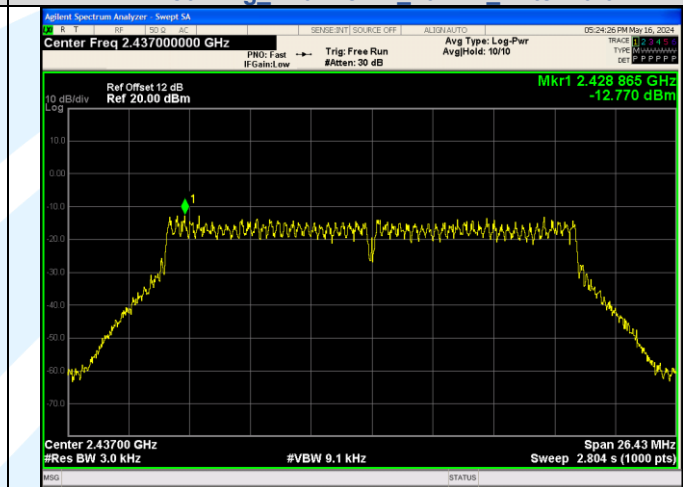
IEEE 802.11g Channel 6 20MHz Antenna 0



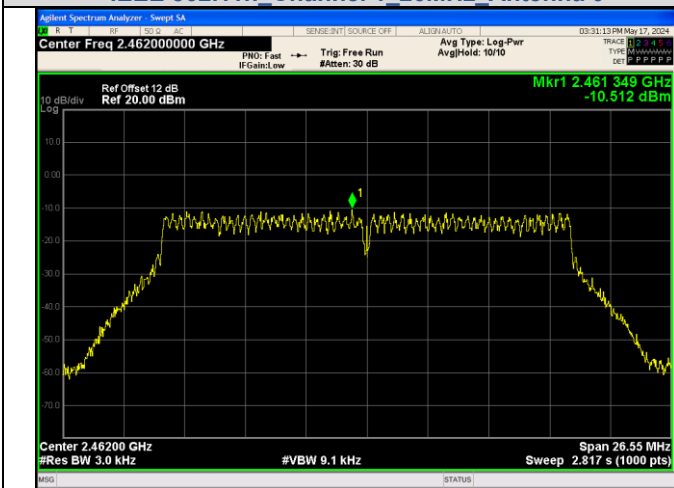
IEEE 802.11g Channel 11 20MHz Antenna 0



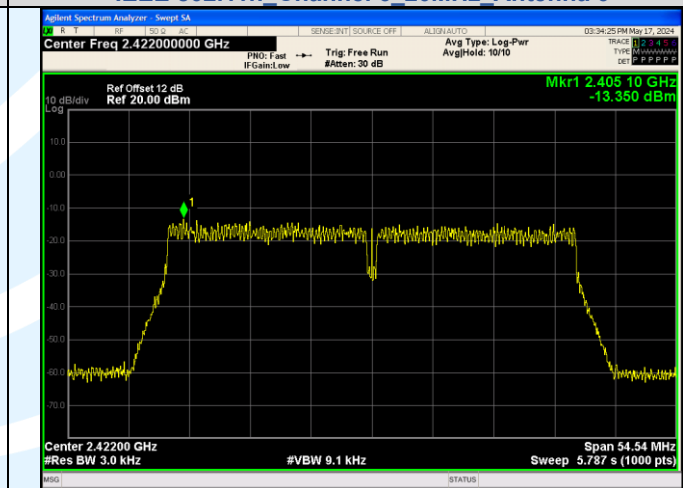
IEEE 802.11n Channel 1 20MHz Antenna 0



IEEE 802.11n Channel 6 20MHz Antenna 0



IEEE 802.11n Channel 11 20MHz Antenna 0



IEEE 802.11n Channel 3 40MHz Antenna 0