4. Maximum conducted output power and e.i.r.p

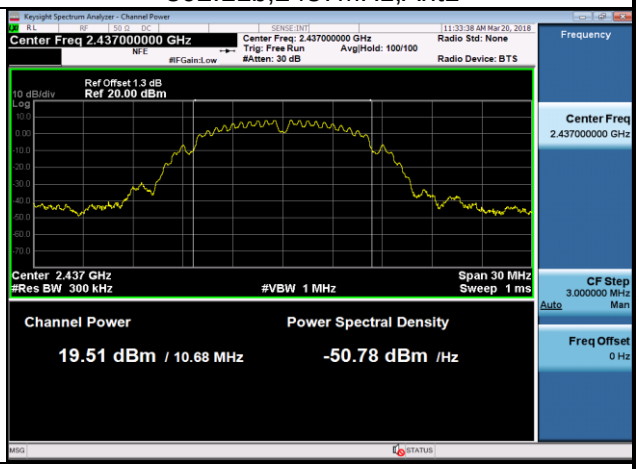
4.1 Test Data

WLAN AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11b	2412	Ant1	0.51	20.20	30	22.70	Pass
802.11b	2437	Ant1	0.51	20.02	30	22.52	Pass
802.11b	2462	Ant1	0.51	18.74	30	21.24	Pass
802.11g	2412	Ant1	0.62	19.63	30	22.13	Pass
802.11g	2437	Ant1	0.62	20.04	30	22.54	Pass
802.11g	2462	Ant1	0.62	19.17	30	21.67	Pass
802.11n (HT20)	2412	Ant1	0.66	19.88	30	22.38	Pass
802.11n (HT20)	2437	Ant1	0.66	20.21	30	22.71	Pass
802.11n (HT20)	2462	Ant1	0.66	18.98	30	21.48	Pass

4.2 Test Plots

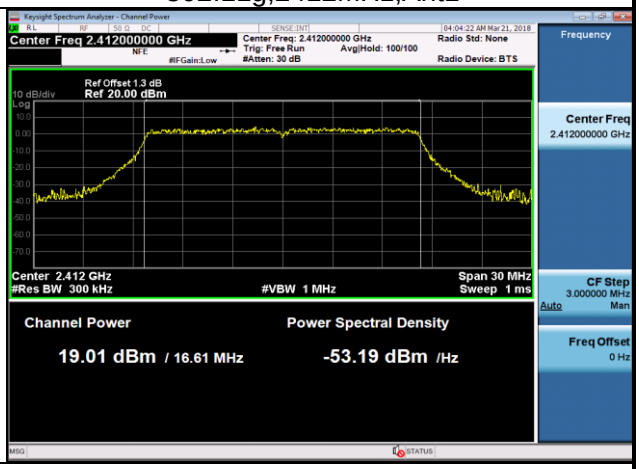
802.11b,2412MHz,Ant1

802.11b,2437MHz,Ant1

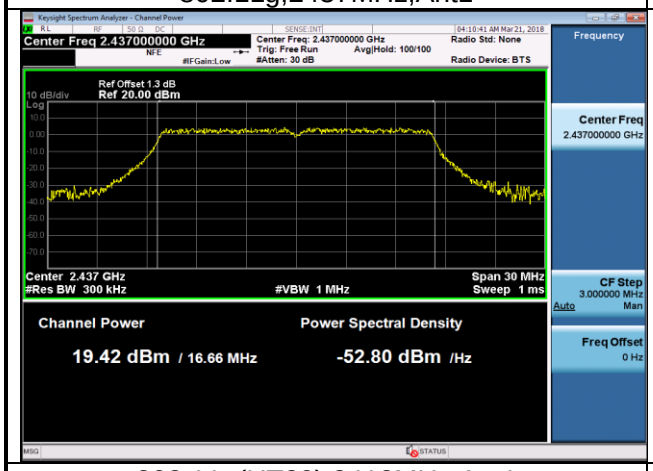


802.11b,2462MHz,Ant1

802.11g,2412MHz,Ant1



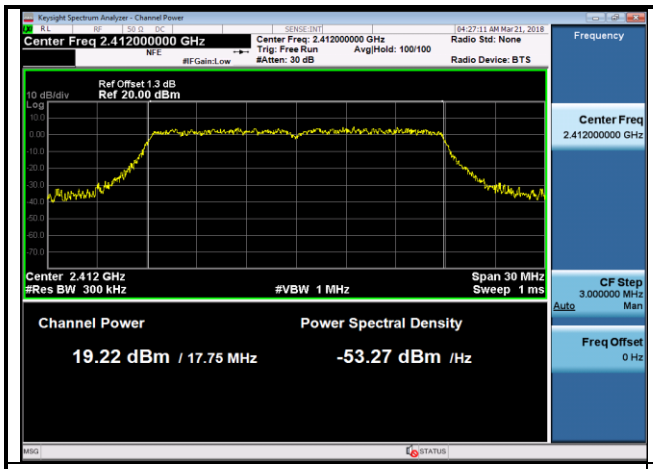
802.11g,2437MHz,Ant1

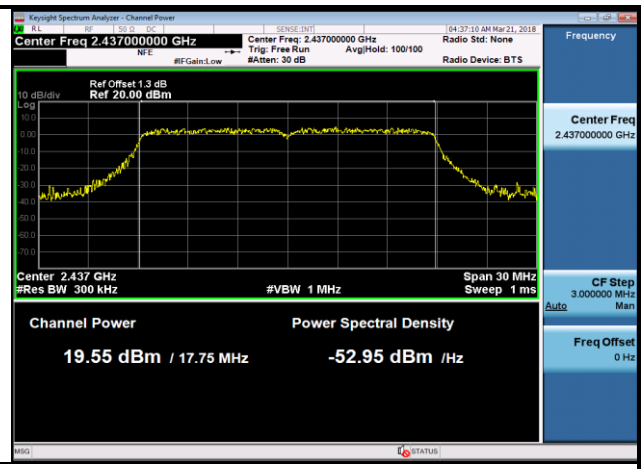


802.11g,2462MHz,Ant1

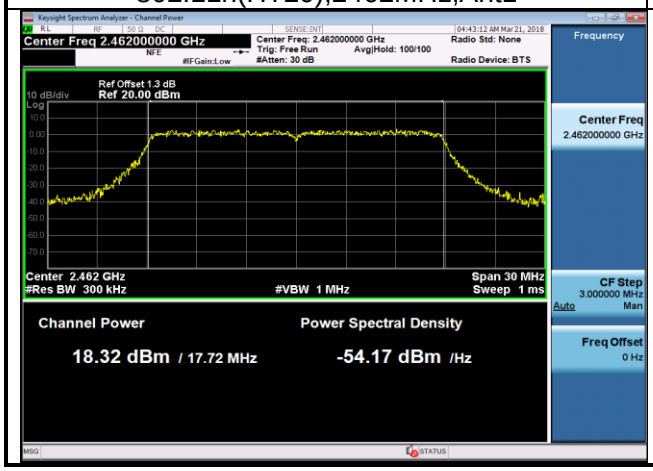
802.11n(HT20),2412MHz,Ant1

802.11n(HT20),2437MHz,Ant1





802.11n(HT20),2462MHz,Ant1



5. Power spectrum density

5.1 Test Data

WLAN AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11b	2412	Ant1	0.51	7.799	100	8	Pass
802.11b	2437	Ant1	0.51	3.323	30	8	Pass
802.11b	2462	Ant1	0.51	6.052	100	8	Pass
802.11g	2412	Ant1	0.62	3.033	100	8	Pass
802.11g	2437	Ant1	0.62	3.559	100	8	Pass
802.11g	2462	Ant1	0.62	2.527	100	8	Pass
802.11n (HT20)	2412	Ant1	0.66	3.004	100	8	Pass
802.11n (HT20)	2437	Ant1	0.66	3.573	100	8	Pass
802.11n (HT20)	2462	Ant1	0.66	2.304	100	8	Pass

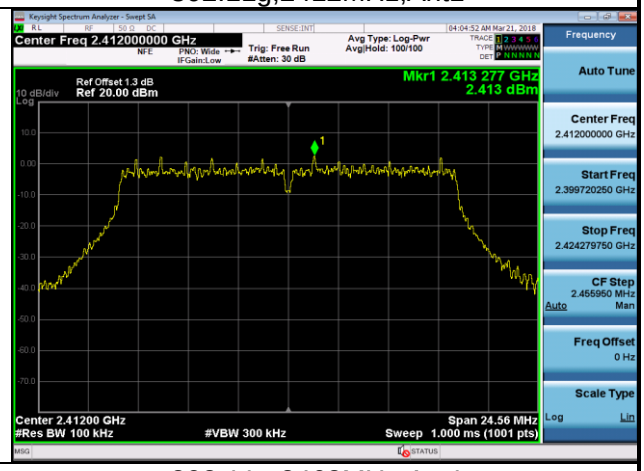
5.2 Test Plots

802.11b,2412MHz,Ant1

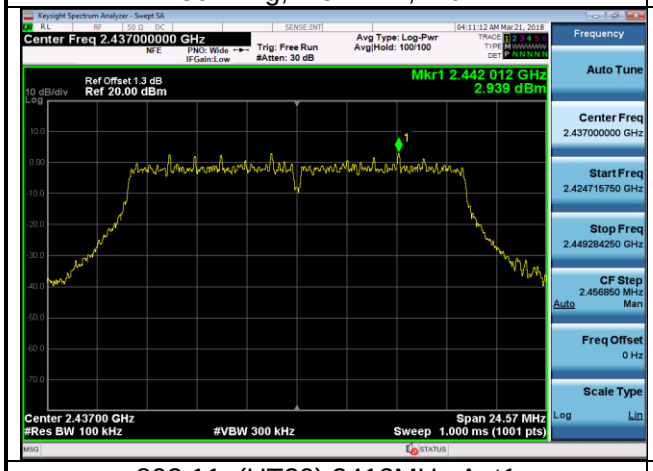
802.11b,2437MHz,Ant1

802.11b,2462MHz,Ant1

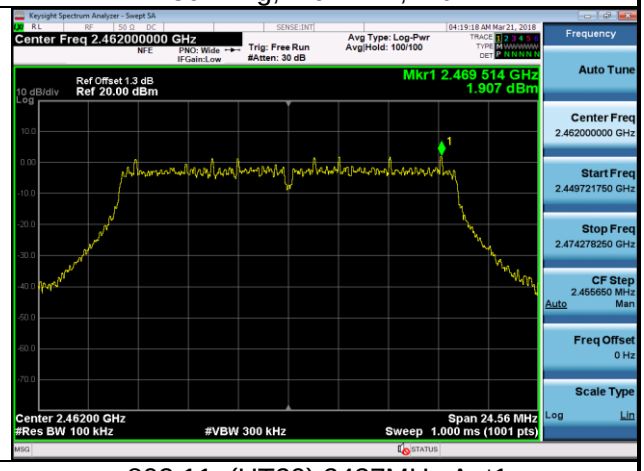
802.11g,2412MHz,Ant1



802.11g,2437MHz,Ant1

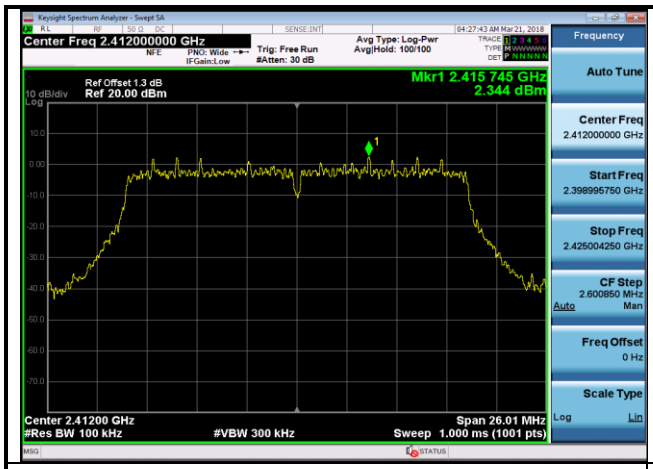


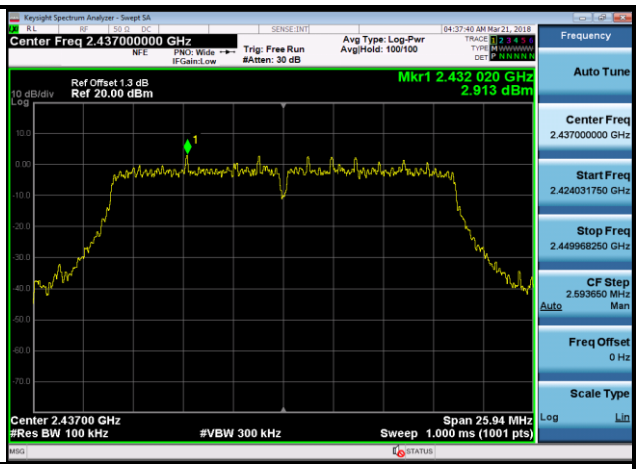
802.11g,2462MHz,Ant1



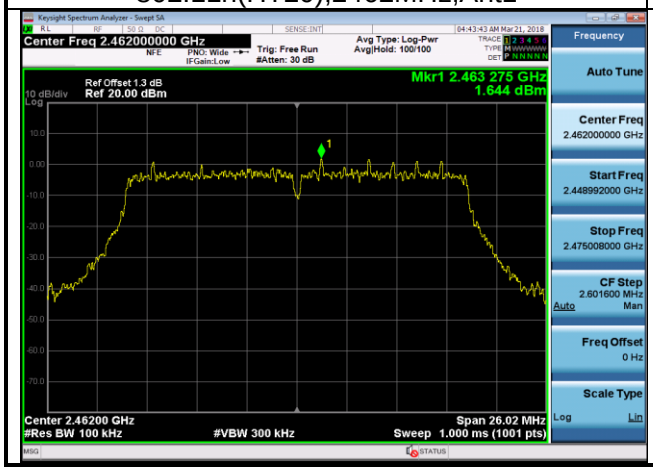
802.11n(HT20),2412MHz,Ant1

802.11n(HT20),2437MHz,Ant1





802.11n(HT20),2462MHz,Ant1



6. Emission outside the frequency band

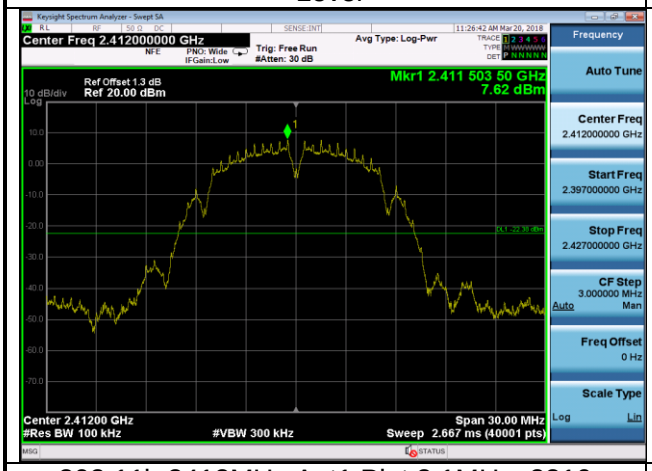
6.1 Test Data

WLAN Transmitter Spurious Emission						
Mode	Test Frequency (MHz)	Ant	Plot No.	Frequency Range	Emission (dBm)	Result
802.11b	2412	Ant1	1	Reference Level	7.62	Pass
802.11b	2412	Ant1	2	Band Edge	-42.67	Pass
802.11b	2412	Ant1	3	1MHz~2310MHz	-55.45	Pass
802.11b	2412	Ant1	4	2500MHz~5000MHz	-48.89	Pass
802.11b	2412	Ant1	5	5000MHz~25000MHz	-44.30	Pass
802.11b	2462	Ant1	1	Reference Level	6.28	Pass
802.11b	2462	Ant1	2	Band Edge	-51.81	Pass
802.11b	2462	Ant1	3	1MHz~2310MHz	-55.95	Pass
802.11b	2462	Ant1	4	2500MHz~5000MHz	-48.20	Pass
802.11b	2462	Ant1	5	5000MHz~25000MHz	-43.67	Pass
802.11g	2412	Ant1	1	Reference Level	2.47	Pass
802.11g	2412	Ant1	2	Band Edge	-37.92	Pass
802.11g	2412	Ant1	3	1MHz~2310MHz	-55.12	Pass
802.11g	2412	Ant1	4	2500MHz~5000MHz	-49.14	Pass
802.11g	2412	Ant1	5	5000MHz~25000MHz	-43.90	Pass
802.11g	2437	Ant1	1	Reference Level	2.81	Pass
802.11g	2437	Ant1	2	Band Edge	-53.66	Pass
802.11g	2437	Ant1	3	1MHz~2310MHz	-55.91	Pass
802.11g	2437	Ant1	4	2500MHz~5000MHz	-48.99	Pass
802.11g	2437	Ant1	5	5000MHz~25000MHz	-43.80	Pass
802.11g	2462	Ant1	1	Reference Level	1.92	Pass
802.11g	2462	Ant1	2	Band Edge	-47.15	Pass
802.11g	2462	Ant1	3	1MHz~2310MHz	-55.89	Pass
802.11g	2462	Ant1	4	2500MHz~5000MHz	-48.08	Pass

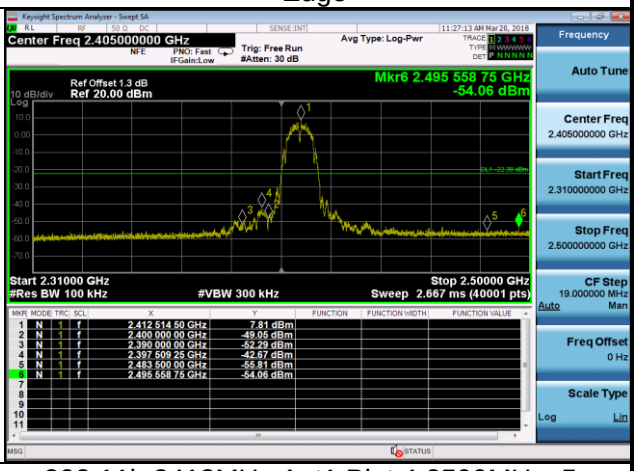
802.11g	2462	Ant1	5	5000MHz~25000MHz	-43.62	Pass
802.11n (HT20)	2412	Ant1	1	Reference Level	2.68	Pass
802.11n (HT20)	2412	Ant1	2	Band Edge	-35.85	Pass
802.11n (HT20)	2412	Ant1	3	1MHz~2310MHz	-55.21	Pass
802.11n (HT20)	2412	Ant1	4	2500MHz~5000MHz	-48.80	Pass
802.11n (HT20)	2412	Ant1	5	5000MHz~25000MHz	-43.49	Pass
802.11n (HT20)	2437	Ant1	1	Reference Level	2.72	Pass
802.11n (HT20)	2437	Ant1	2	Band Edge	-54.19	Pass
802.11n (HT20)	2437	Ant1	3	1MHz~2310MHz	-56.18	Pass
802.11n (HT20)	2437	Ant1	4	2500MHz~5000MHz	-48.42	Pass
802.11n (HT20)	2437	Ant1	5	5000MHz~25000MHz	-43.89	Pass
802.11n (HT20)	2462	Ant1	1	Reference Level	1.62	Pass
802.11n (HT20)	2462	Ant1	2	Band Edge	-44.47	Pass
802.11n (HT20)	2462	Ant1	3	1MHz~2310MHz	-55.95	Pass
802.11n (HT20)	2462	Ant1	4	2500MHz~5000MHz	-48.21	Pass
802.11n (HT20)	2462	Ant1	5	5000MHz~25000MHz	-43.66	Pass

9.2 Test Plots

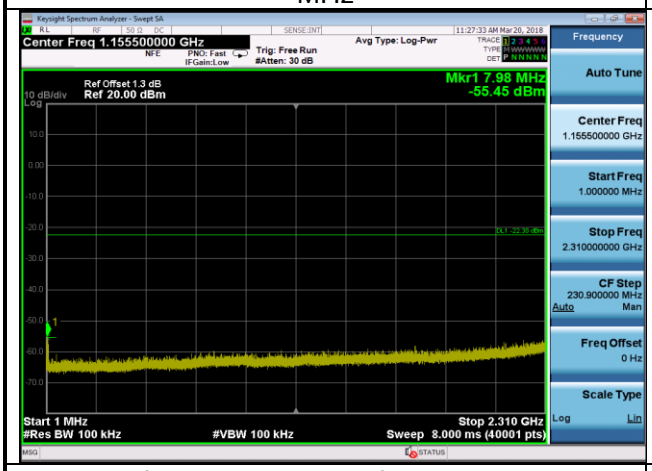
802.11b,2412MHz,Ant1,Plot 1,Reference Level



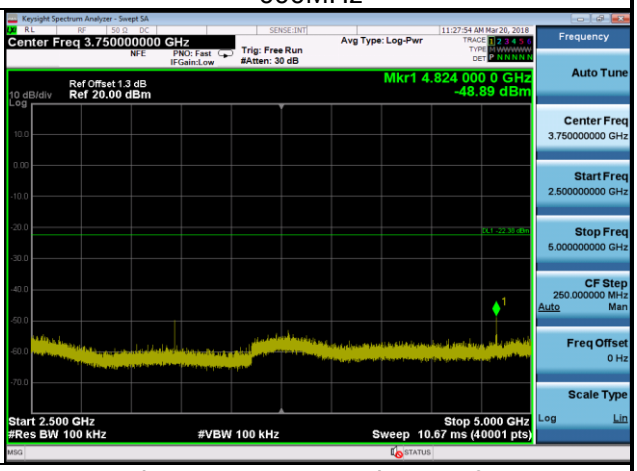
802.11b,2412MHz,Ant1,Plot 2,Band Edge



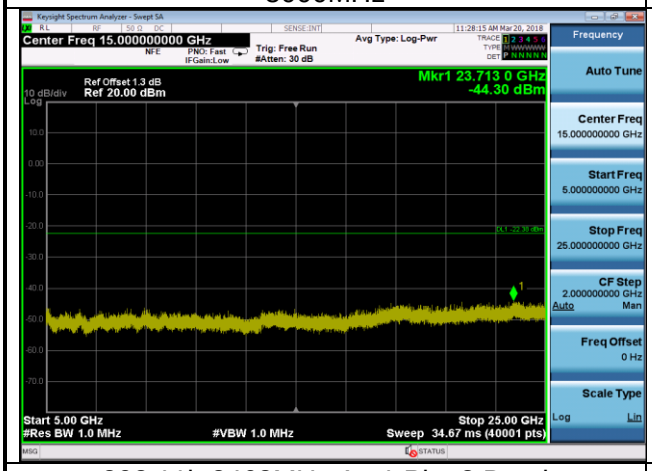
802.11b,2412MHz,Ant1,Plot 3,1MHz~2310 MHz



802.11b,2412MHz,Ant1,Plot 4,2500MHz~5 000MHz



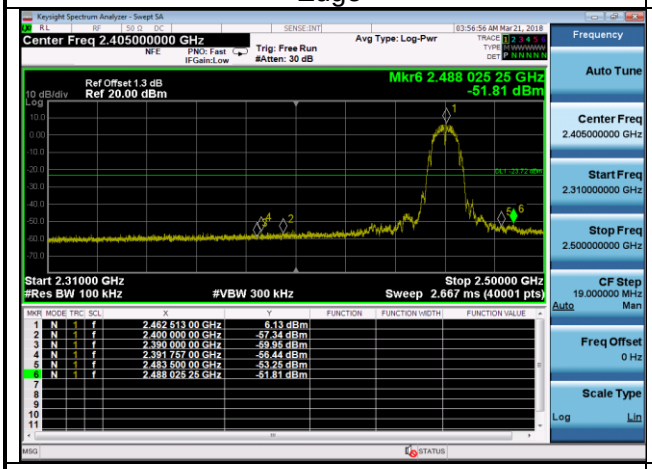
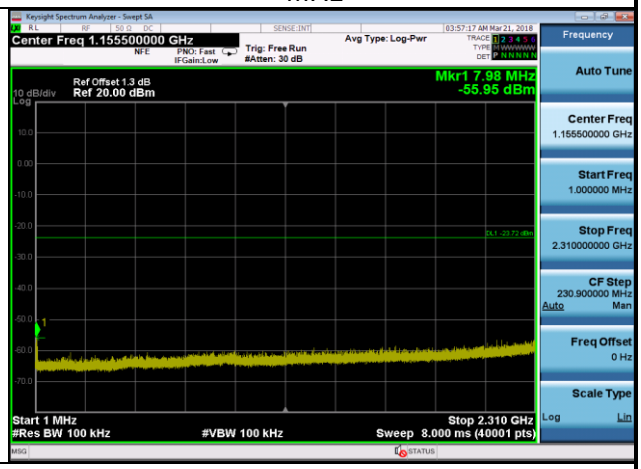
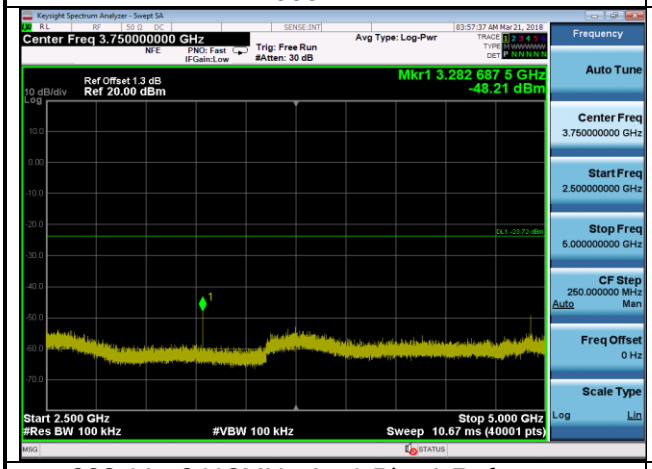
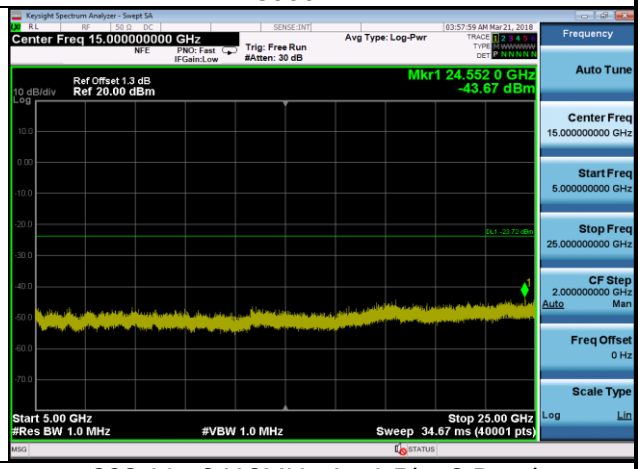
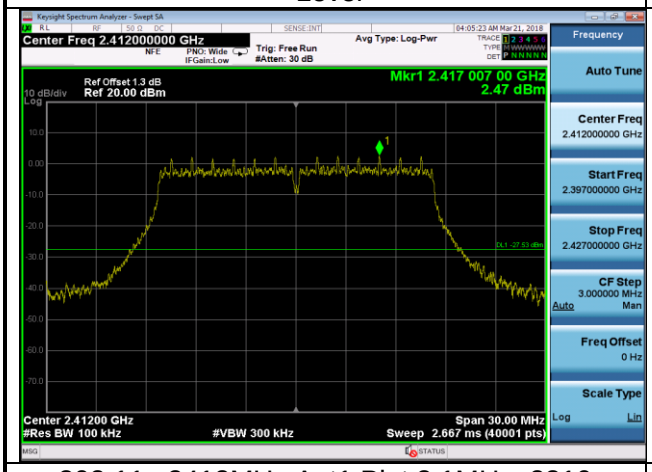
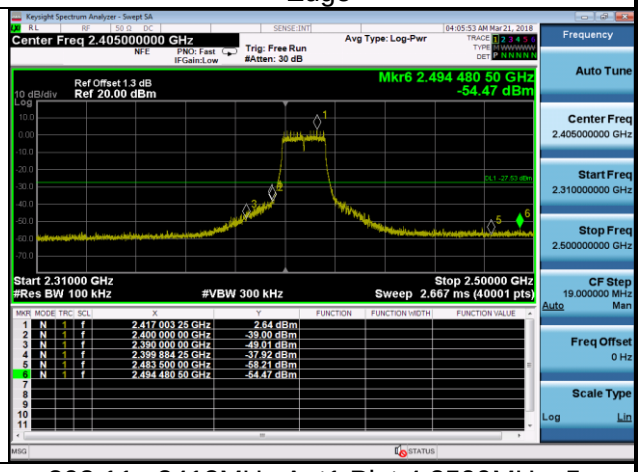
802.11b,2412MHz,Ant1,Plot 5,5000MHz~2 5000MHz

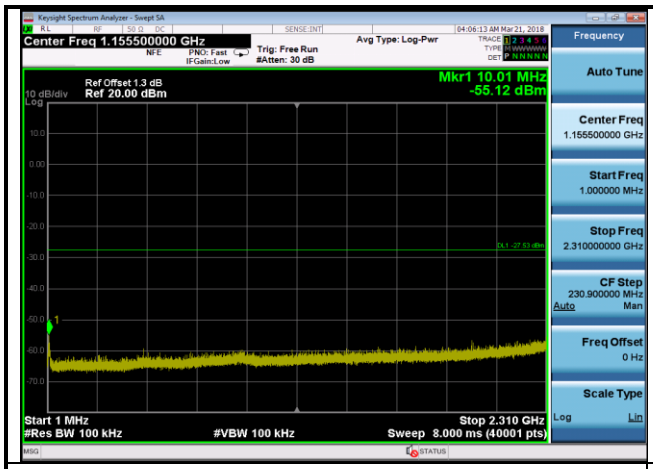


802.11b,2462MHz,Ant1,Plot 1,Reference Level

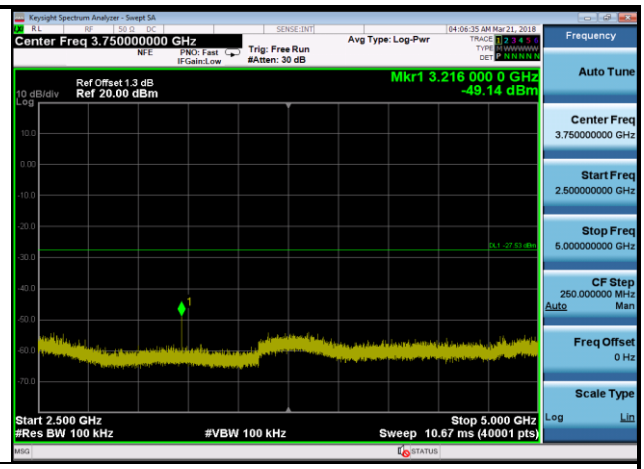
802.11b,2462MHz,Ant1,Plot 2,Band

802.11b,2462MHz,Ant1,Plot 3,1MHz~2310

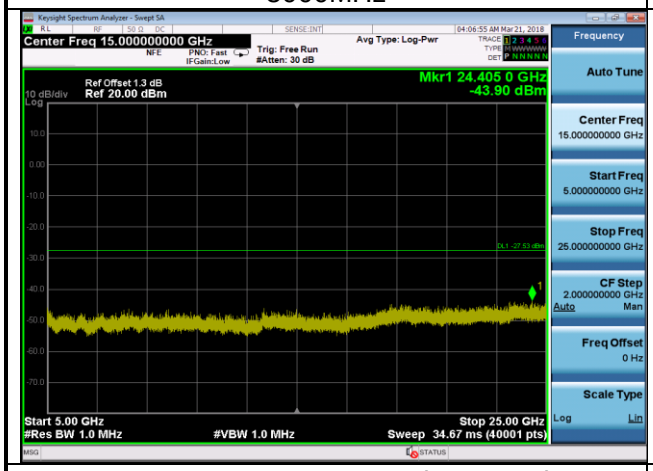
Edge	MHz
	
802.11b,2462MHz,Ant1,Plot 4,2500MHz~5 000MHz	802.11b,2462MHz,Ant1,Plot 5,5000MHz~2 5000MHz
	
802.11g,2412MHz,Ant1,Plot 1,Reference Level	802.11g,2412MHz,Ant1,Plot 2,Band Edge
	
802.11g,2412MHz,Ant1,Plot 3,1MHz~2310 MHz	802.11g,2412MHz,Ant1,Plot 4,2500MHz~5 000MHz



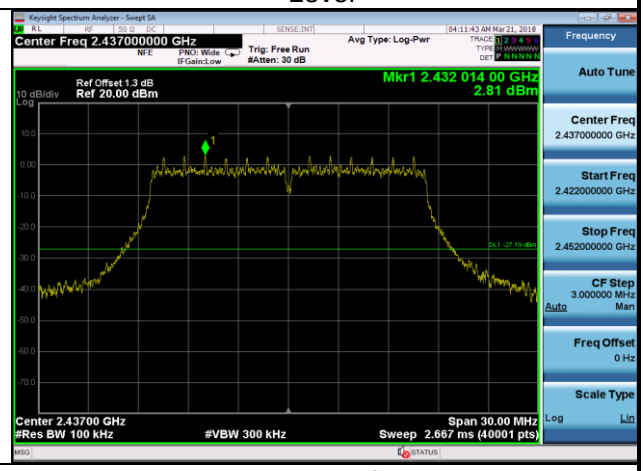
802.11g,2412MHz,Ant1,Plot 5,5000MHz~25000MHz



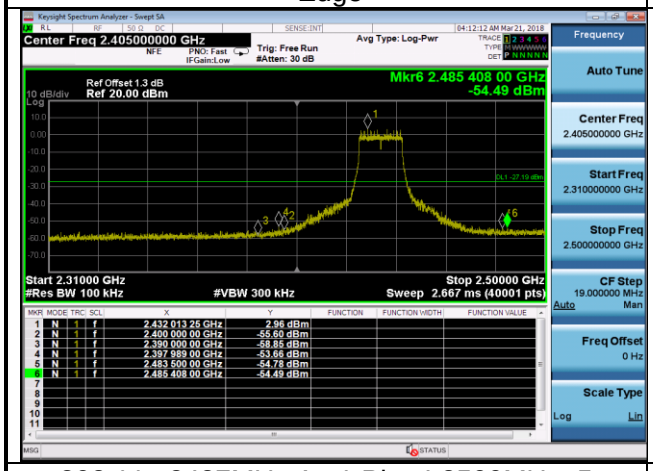
802.11g,2437MHz,Ant1,Plot 1,Reference Level



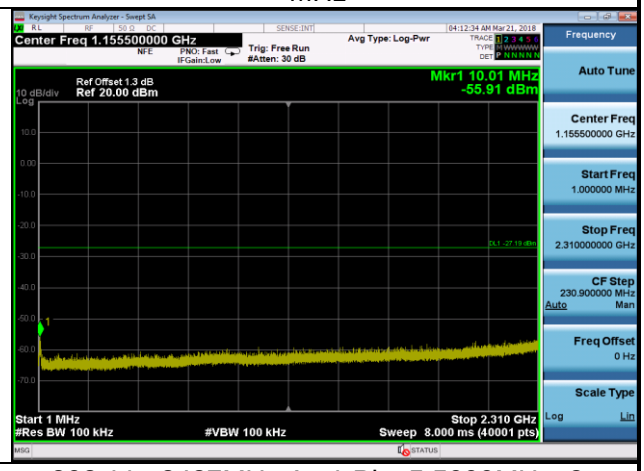
802.11g,2437MHz,Ant1,Plot 2,Band Edge



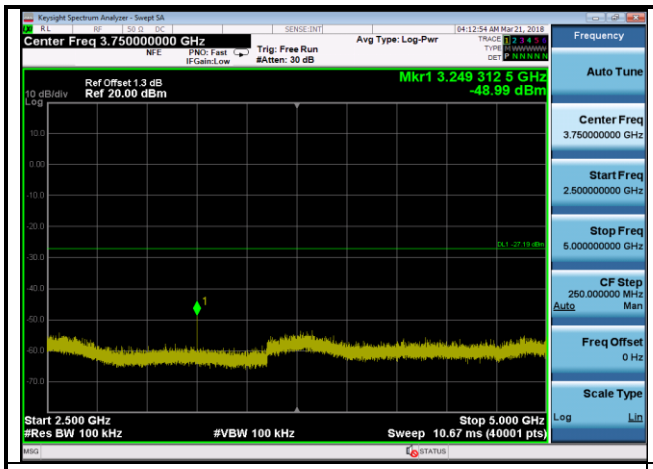
802.11g,2437MHz,Ant1,Plot 3,1MHz~2310 MHz



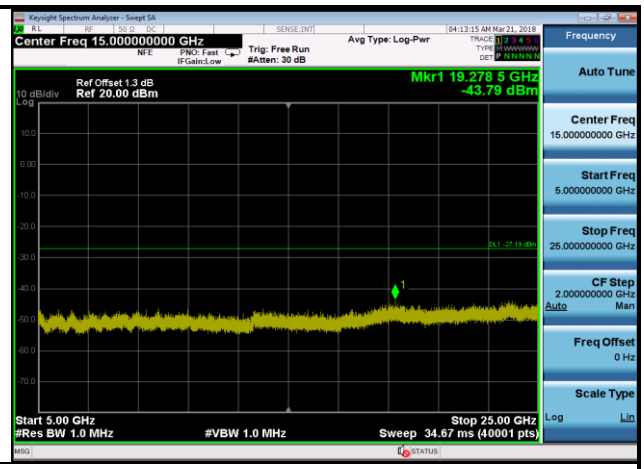
802.11g,2437MHz,Ant1,Plot 4,2500MHz~5000MHz



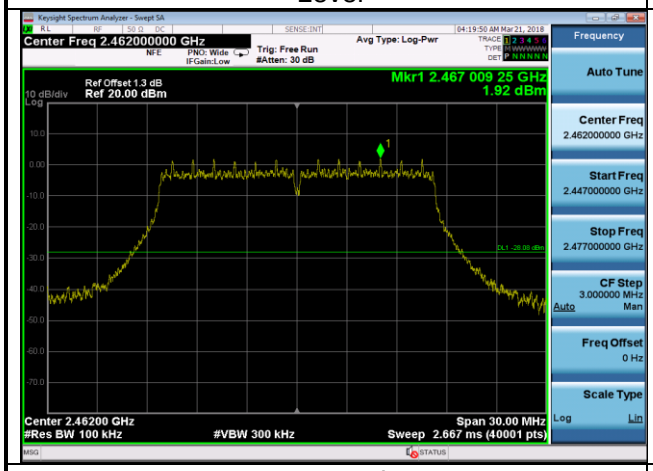
802.11g,2437MHz,Ant1,Plot 5,5000MHz~25000MHz



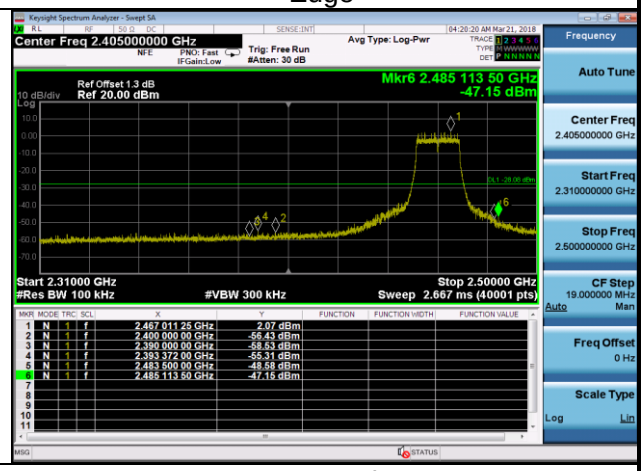
802.11g,2462MHz,Ant1,Plot 1,Reference Level



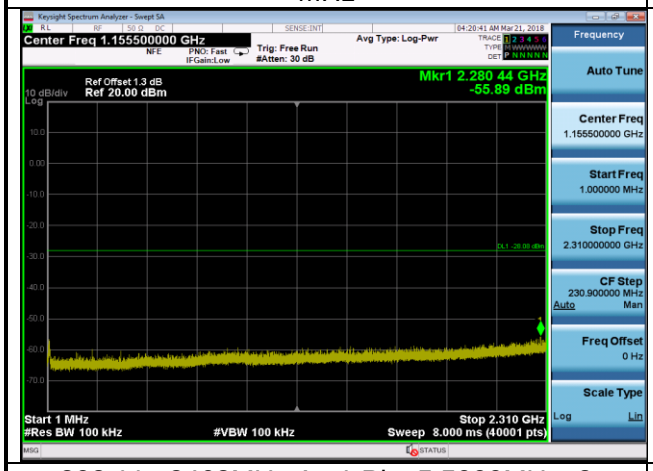
802.11g,2462MHz,Ant1,Plot 2,Band Edge



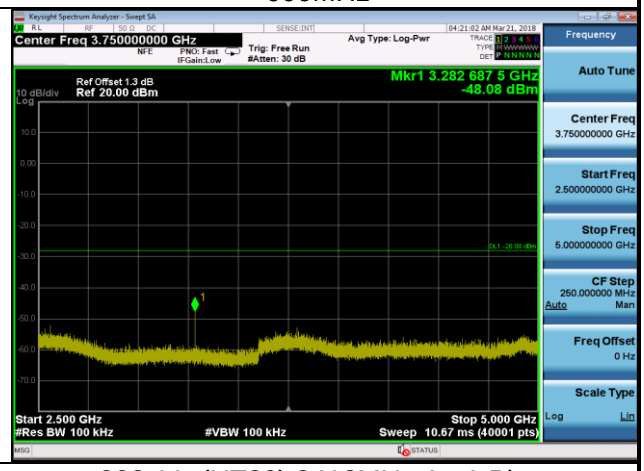
802.11g,2462MHz,Ant1,Plot 3,1MHz~2310 MHz



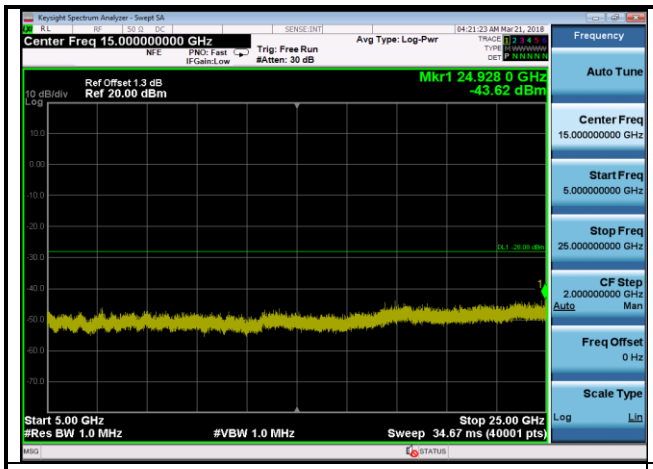
802.11g,2462MHz,Ant1,Plot 4,2500MHz~5 000MHz



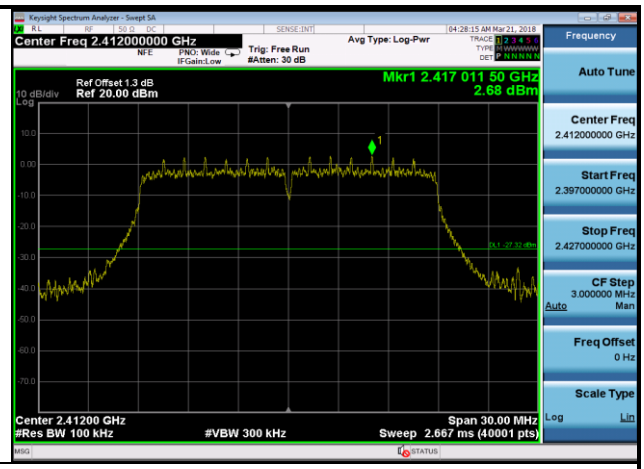
802.11g,2462MHz,Ant1,Plot 5,5000MHz~2 5000MHz



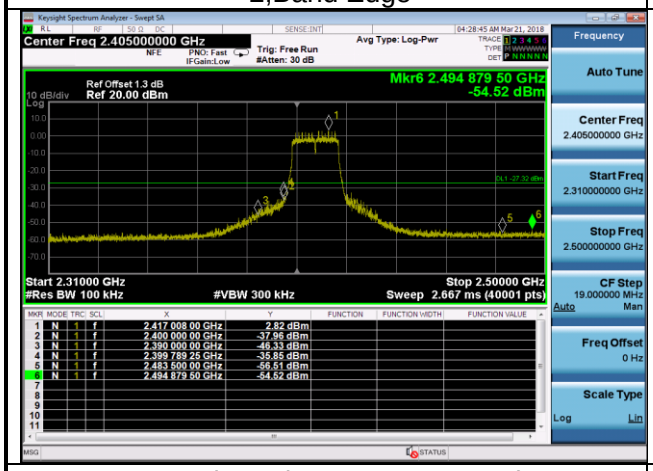
802.11n(HT20),2412MHz,Ant1,Plot 1,Reference Level



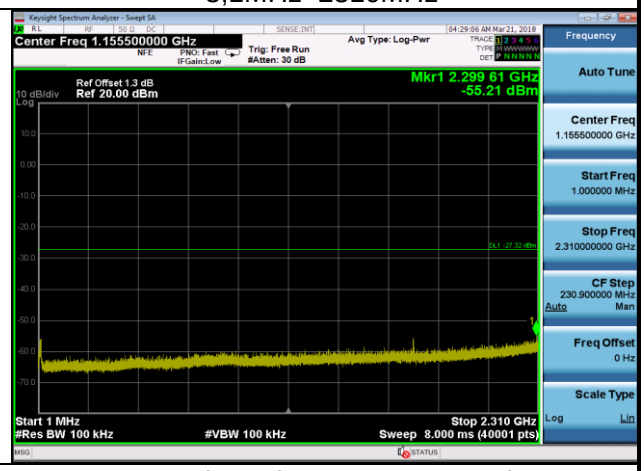
802.11n(HT20),2412MHz,Ant1,Plot 2,Band Edge



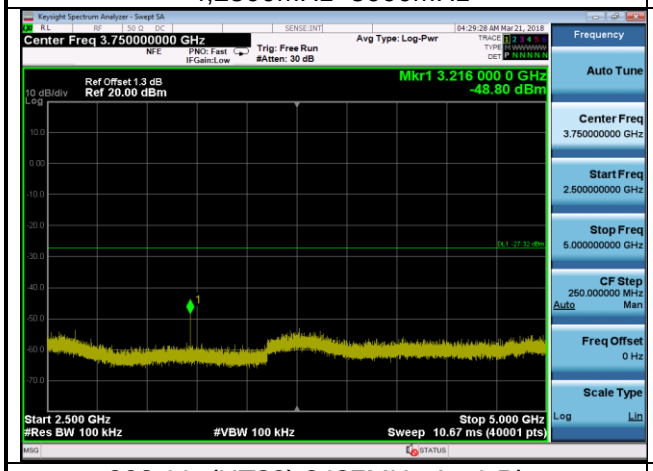
802.11n(HT20),2412MHz,Ant1,Plot 3,1MHz~2310MHz



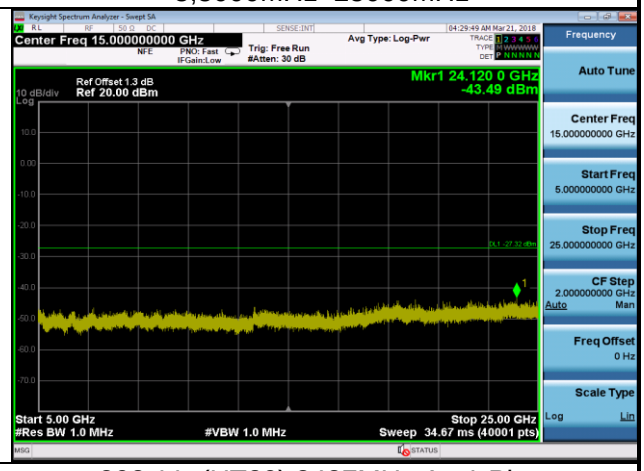
802.11n(HT20),2412MHz,Ant1,Plot 4,2500MHz~5000MHz



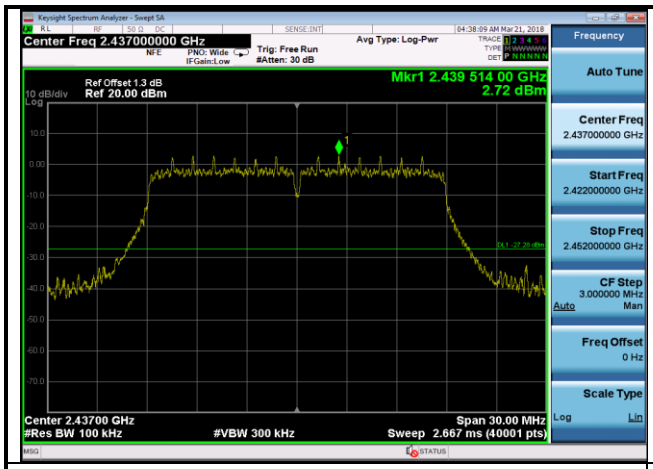
802.11n(HT20),2412MHz,Ant1,Plot 5,5000MHz~25000MHz



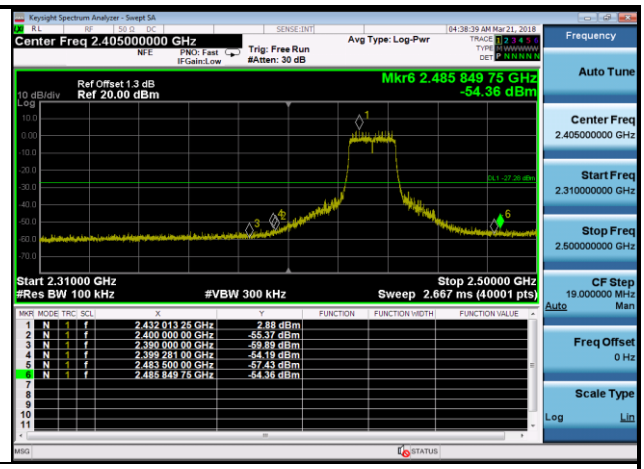
802.11n(HT20),2437MHz,Ant1,Plot 1,Reference Level



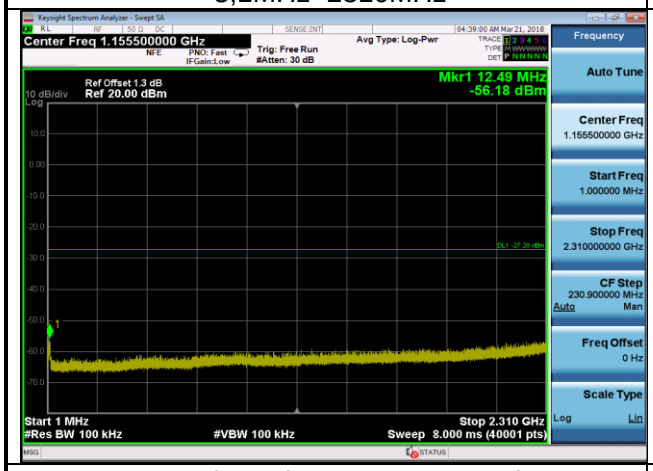
802.11n(HT20),2437MHz,Ant1,Plot 2,Band Edge



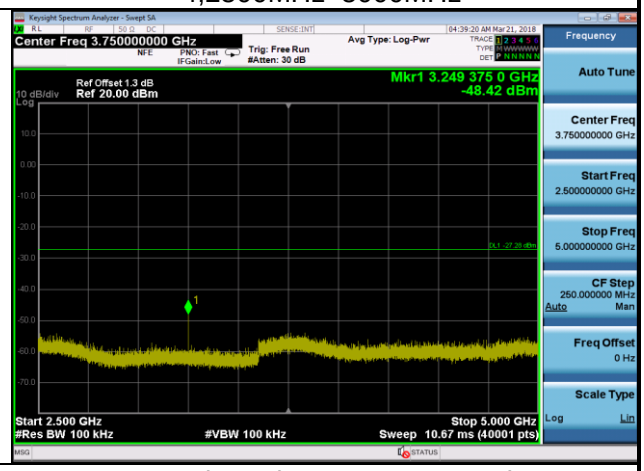
802.11n(HT20),2437MHz,Ant1,Plot 3,1MHz~2310MHz



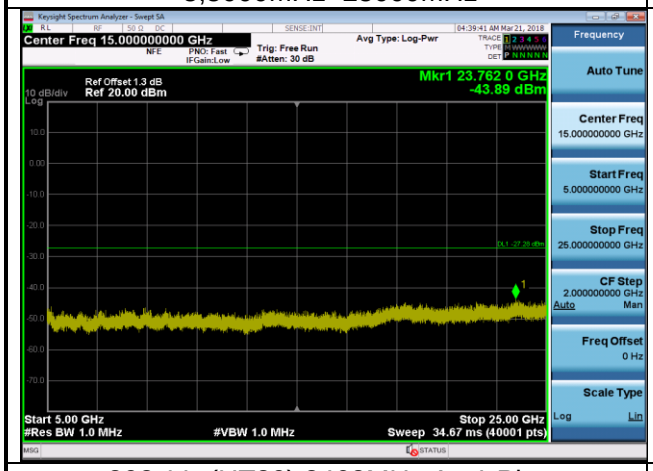
802.11n(HT20),2437MHz,Ant1,Plot 4,2500MHz~5000MHz



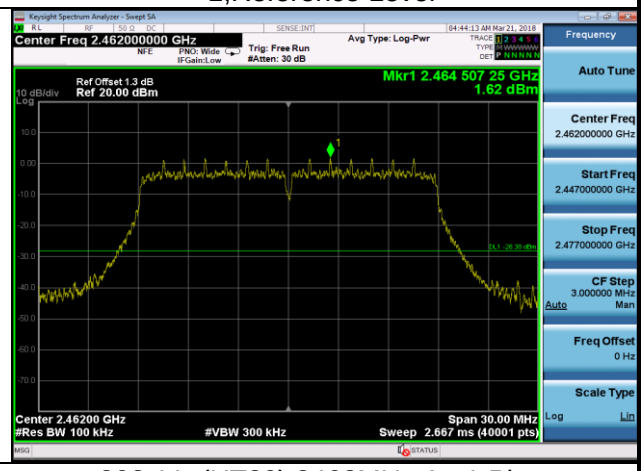
802.11n(HT20),2437MHz,Ant1,Plot 5,5000MHz~25000MHz



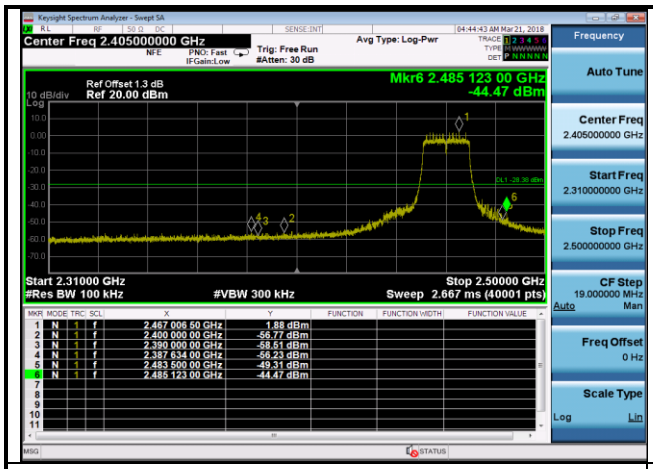
802.11n(HT20),2462MHz,Ant1,Plot 1,Reference Level



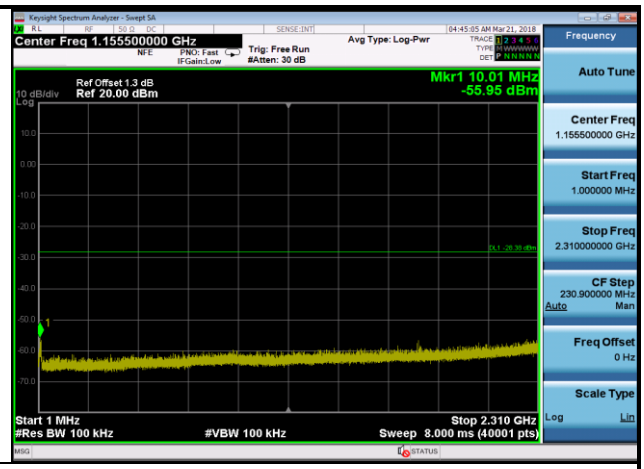
802.11n(HT20),2462MHz,Ant1,Plot 2,Band Edge



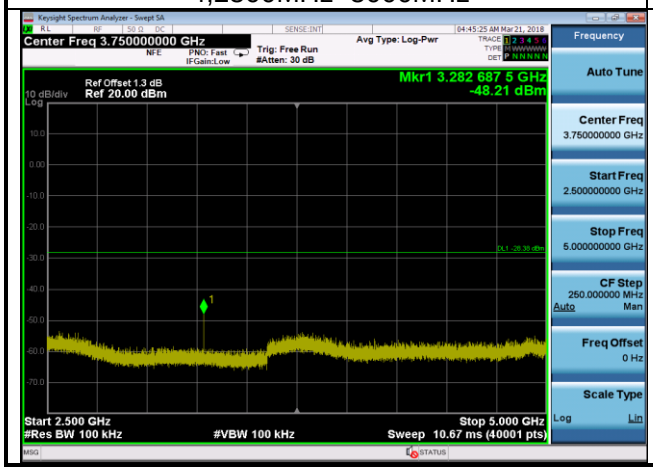
802.11n(HT20),2462MHz,Ant1,Plot 3,1MHz~2310MHz

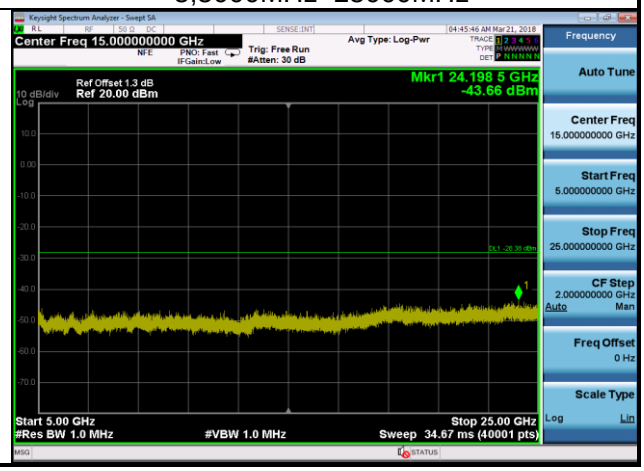


802.11n(HT20),2462MHz,Ant1,Plot 4,2500MHz~5000MHz



802.11n(HT20),2462MHz,Ant1,Plot 5,5000MHz~25000MHz





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