

Appendix A_Conduction Data for BLE:**1.Conducted Peak Output Power**

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power Limit (dBm)	Result
BLE 1M	0	-2.12	≤30	PASS
	19	-2.24	≤30	PASS
	39	-2.04	≤30	PASS
BLE 2M	0	-2.33	≤30	PASS
	19	-2.04	≤30	PASS
	39	-1.72	≤30	PASS

2.Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
BLE 1M	0	0.404	0.625	64.62	0.6462	1.8963
	19	0.404	0.625	64.67	0.6467	1.893
	39	0.404	0.625	64.69	0.6469	1.8916
BLE 2M	0	0.220	0.625	35.17	0.3517	4.5383
	19	0.220	0.625	35.22	0.3522	4.5321
	39	0.220	0.625	35.22	0.3522	4.5321

Test Graphs

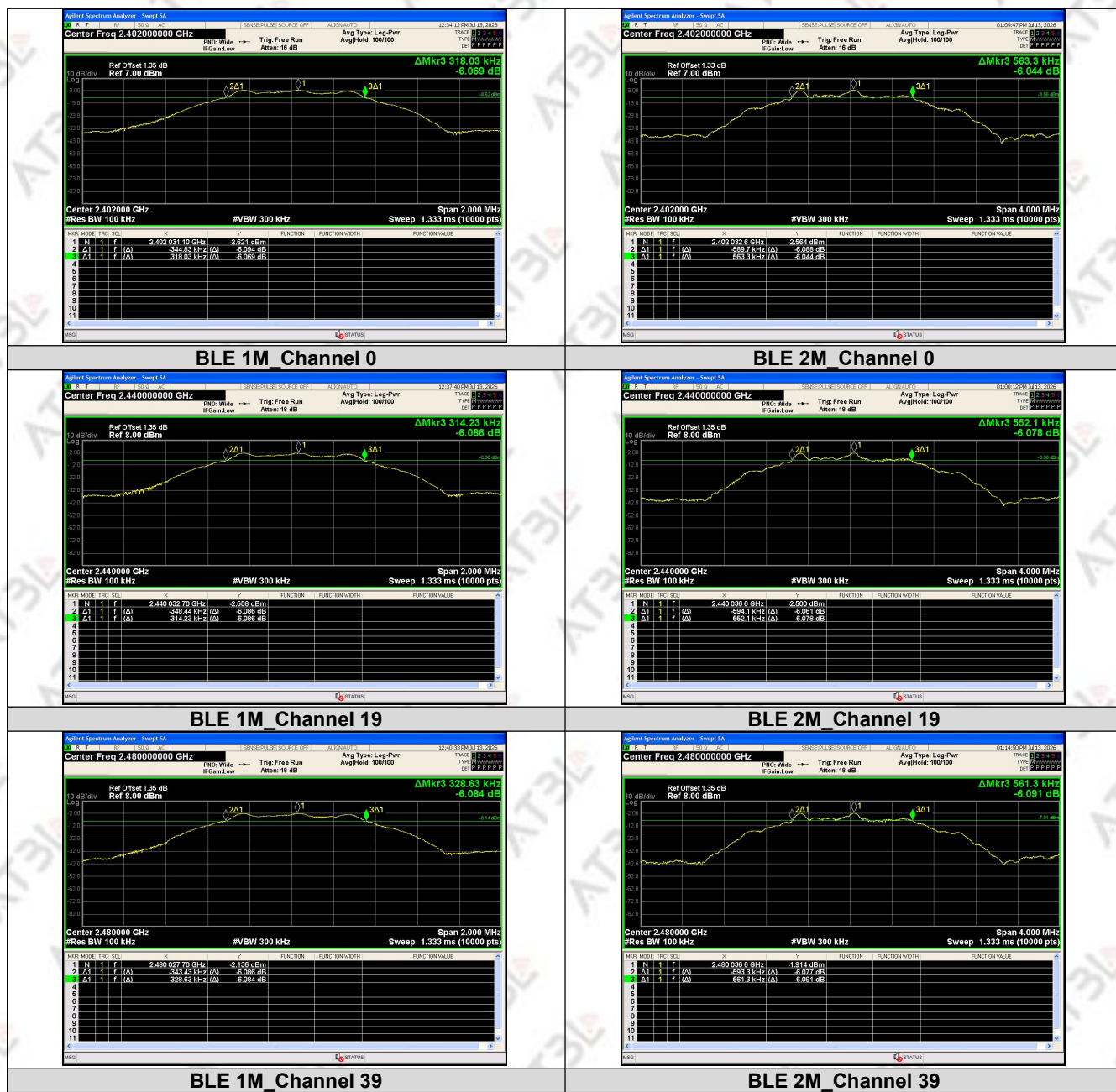


3.6dB Bandwidth and 99% Bandwidth

Test Result

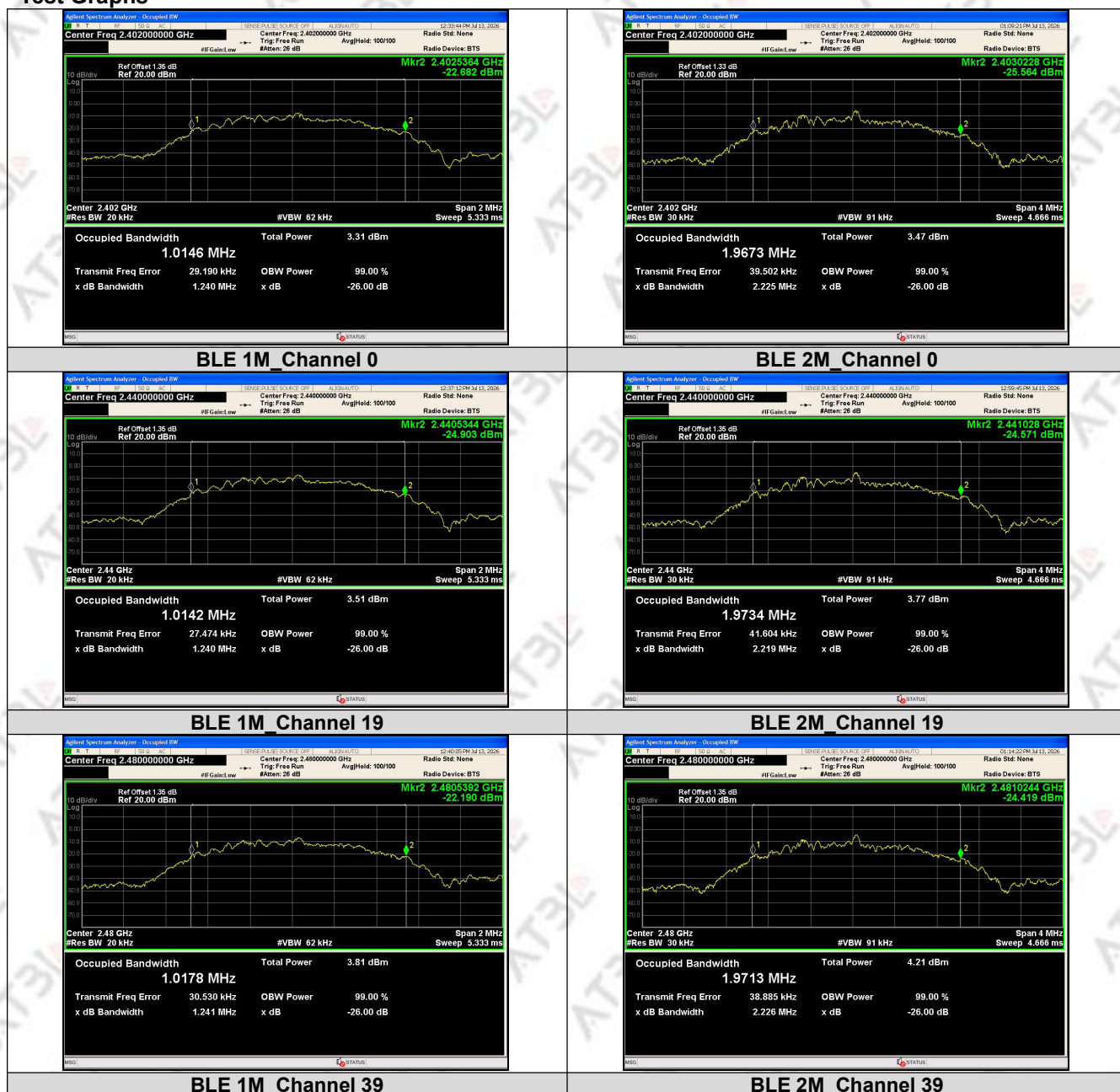
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.66	≥0.5	PASS
	19	2440	0.67		PASS
	39	2480	0.68		PASS
BLE 2M	0	2404	1.16		PASS
	19	2440	1.15		PASS
	39	2478	1.16		PASS

Test Graphs



Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0146
BLE 1M	19	2440	1.0142
BLE 1M	39	2480	1.0178
BLE 2M	1	2404	1.9673
BLE 2M	19	2440	1.9734
BLE 2M	38	2478	1.9713

Test Graphs

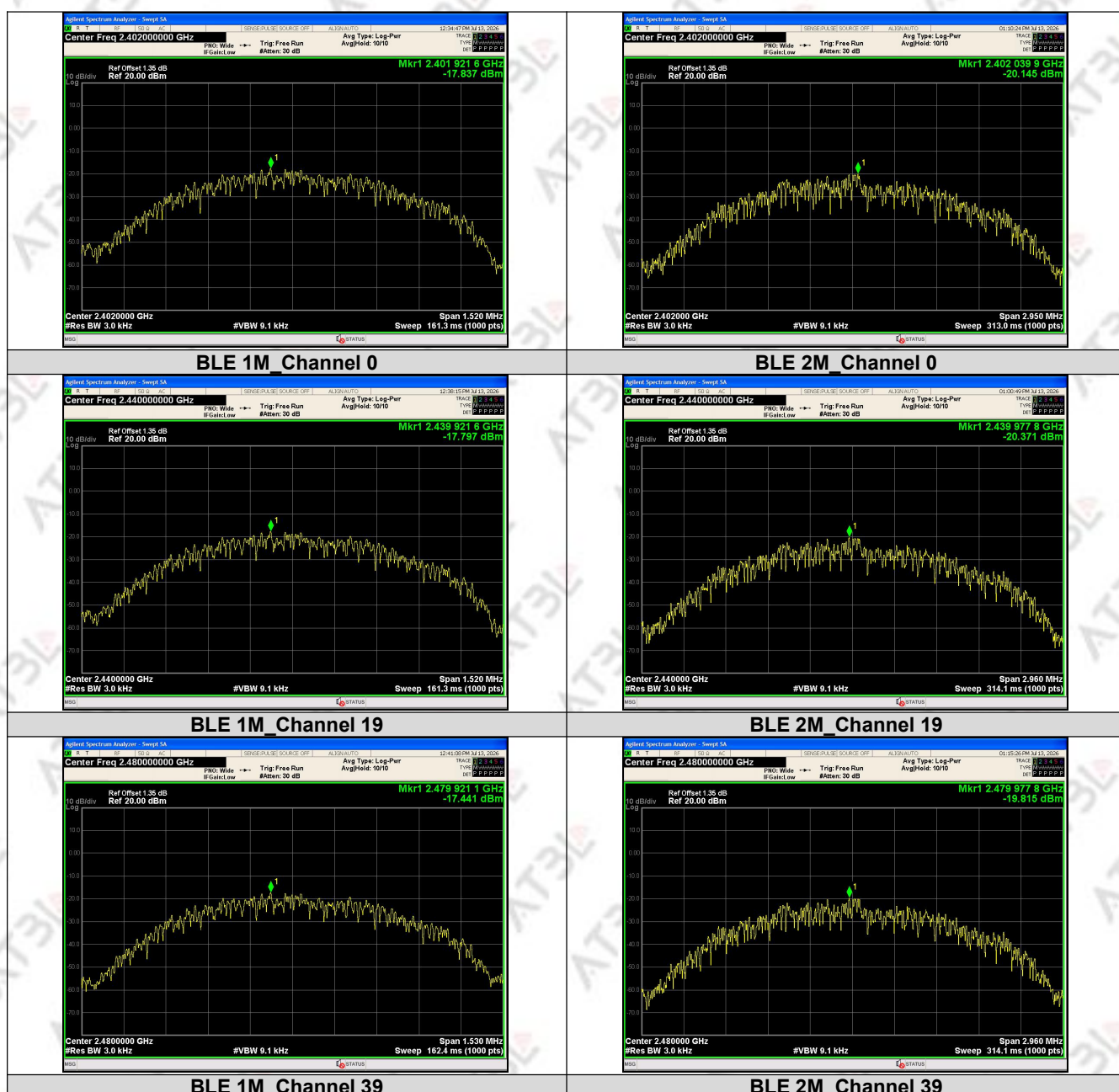


4.Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-17.84	≤8	PASS
BLE 1M	19	-17.8	≤8	PASS
BLE 1M	39	-17.44	≤8	PASS
BLE 2M	0	-20.14	≤8	PASS
BLE 2M	19	-20.37	≤8	PASS
BLE 2M	39	-19.82	≤8	PASS

Test Graphs



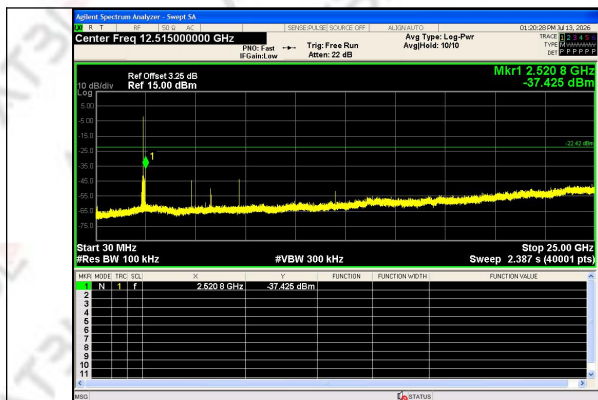
5. Conducted Spurious & Band Edge Emission

Test Result

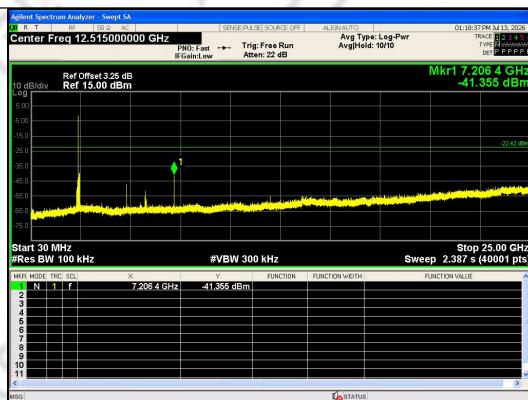
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-54.286	-22.42	-31.866	PASS
		2520.76	-37.425	-22.42	-15.005	PASS
	19	7319.37	-38.832	-22.45	-16.382	PASS
		2483.50	-58.915	-22.19	-36.725	PASS
		7439.22	-38.528	-22.19	-16.338	PASS
BLE 2M	0	2400.00	-37.743	-22.42	-15.323	PASS
		7206.38	-41.355	-22.42	-18.935	PASS
	19	7318.74	-39.922	-22.37	-17.552	PASS
		2483.50	-58.571	-21.96	-36.611	PASS
		7438.60	-40.791	-21.96	-18.831	PASS

Test Graphs





30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



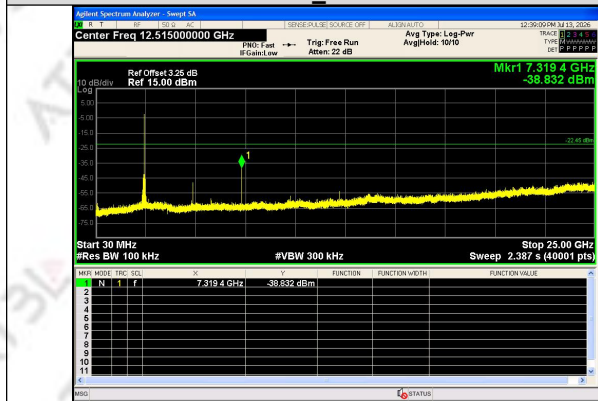
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0



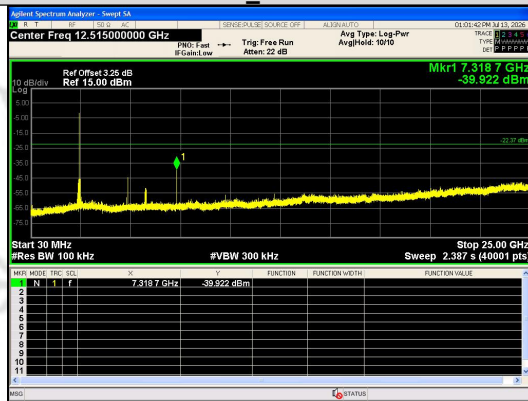
In-Band Reference Level
BLE 1M_Channel 19



In-Band Reference Level
BLE 2M_Channel 19



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



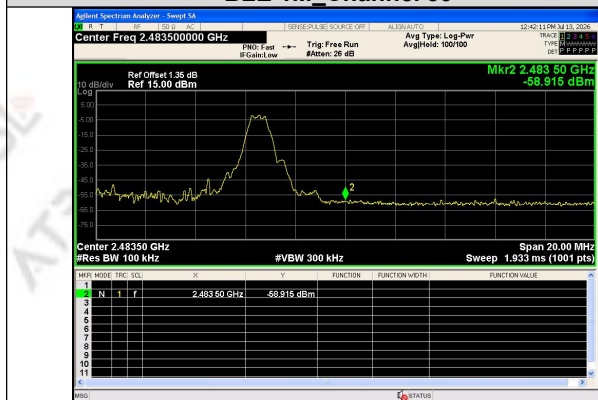
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19



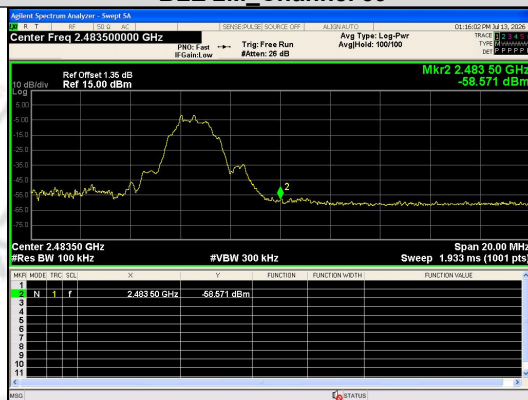
In-Band Reference Level
BLE 1M_Channel 39



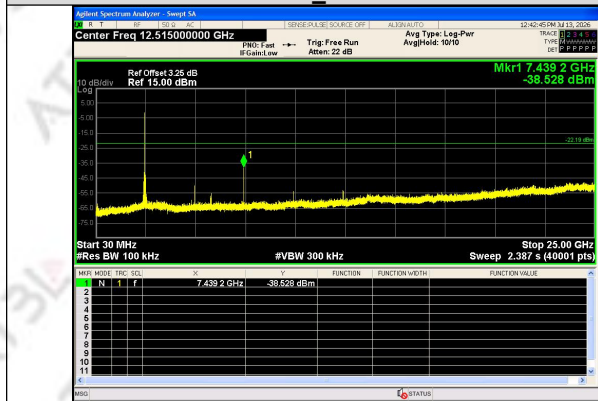
In-Band Reference Level
BLE 2M_Channel 39



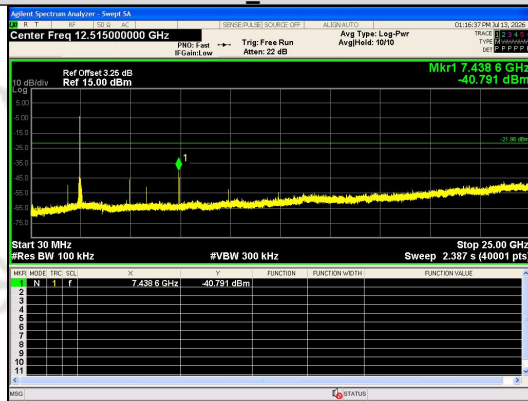
Out Of Band Emission
BLE 1M_Channel 39



Out Of Band Emission
BLE 2M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 2M_Channel 39

*****END*****