

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	-2.61	≤ 30	PASS
	19	-1.96	≤ 30	PASS
	39	-3.08	≤ 30	PASS
BLE 2M	0	-2.64	≤ 30	PASS
	19	-1.64	≤ 30	PASS
	39	-2.58	≤ 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	2.126	2.499	85.08	0.8508	0.7017
	19	2.126	2.499	85.08	0.8508	0.7017
	39	2.126	2.499	85.08	0.8508	0.7017
BLE 2M	1	1.070	1.874	57.11	0.5711	2.4329
	19	1.070	1.874	57.11	0.5711	2.4329
	38	1.070	1.874	57.06	0.5706	2.4367

Test Graphs



BLE 2M_Channel 19

BLE 2M_Channel 38

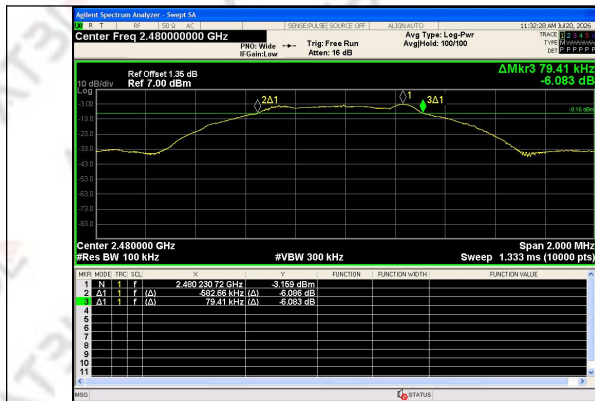
3.6dB Bandwidth and 99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.67	≥0.5	PASS
	19	2440	0.66		PASS
	39	2480	0.66		PASS
BLE 2M	0	2404	1.16		PASS
	19	2440	1.17		PASS
	39	2478	1.18		PASS

Test Graphs





BLE 1M_Channel 39



BLE 2M_Channel 38

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0402
BLE 1M	19	2440	1.0386
BLE 1M	39	2480	1.0369
BLE 2M	1	2404	2.0663
BLE 2M	19	2440	2.0654
BLE 2M	38	2478	2.0733

Test Graphs



BLE 1M_Channel 0



BLE 2M_Channel 1



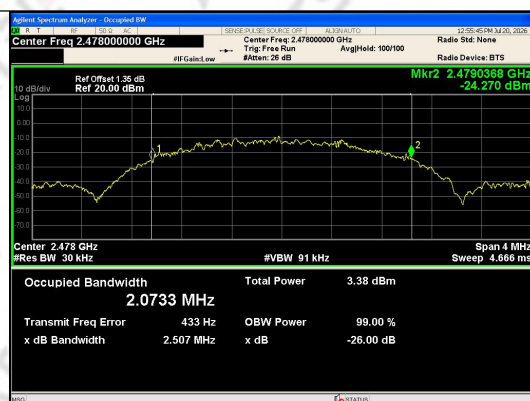
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



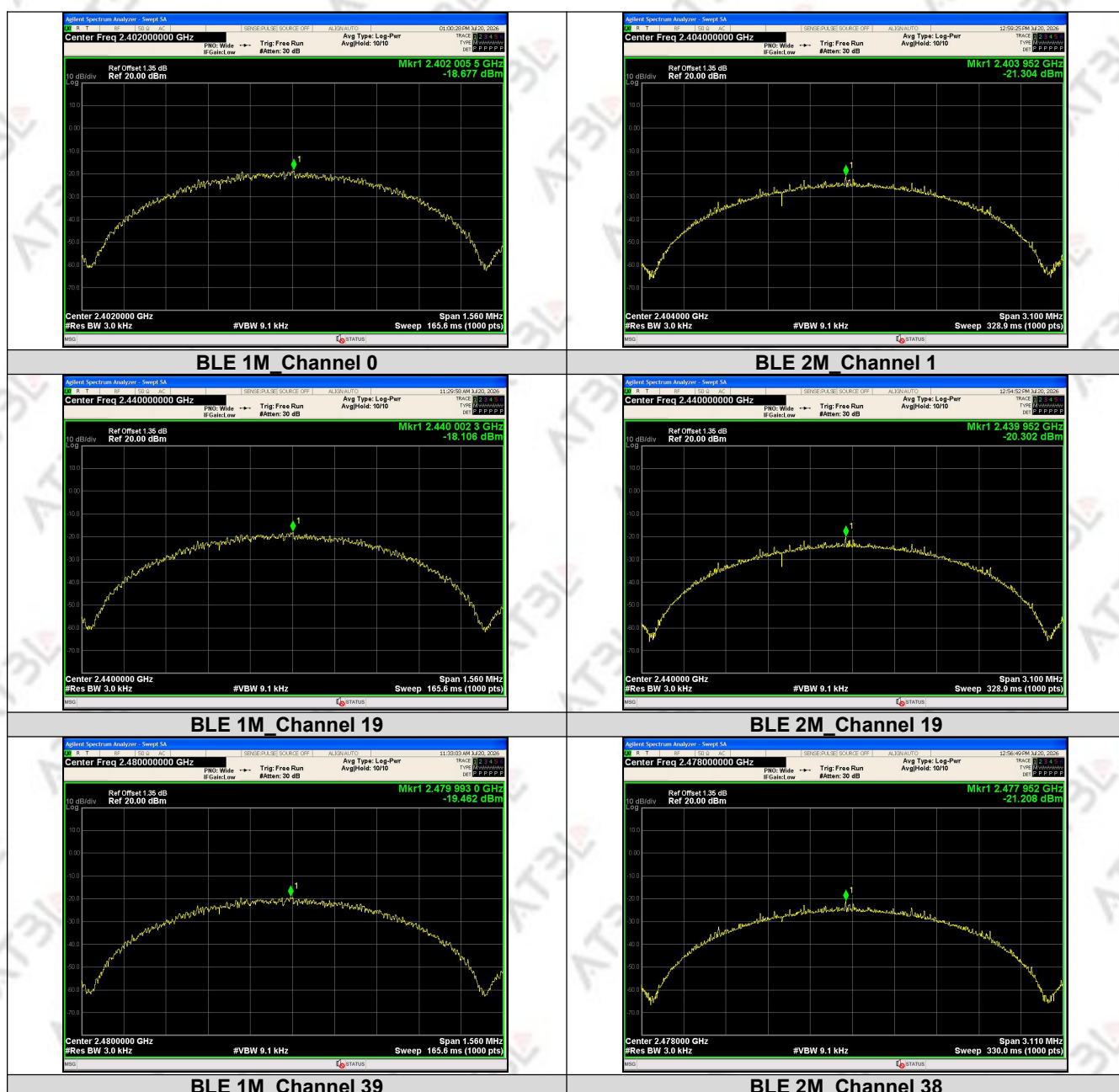
BLE 2M_Channel 38

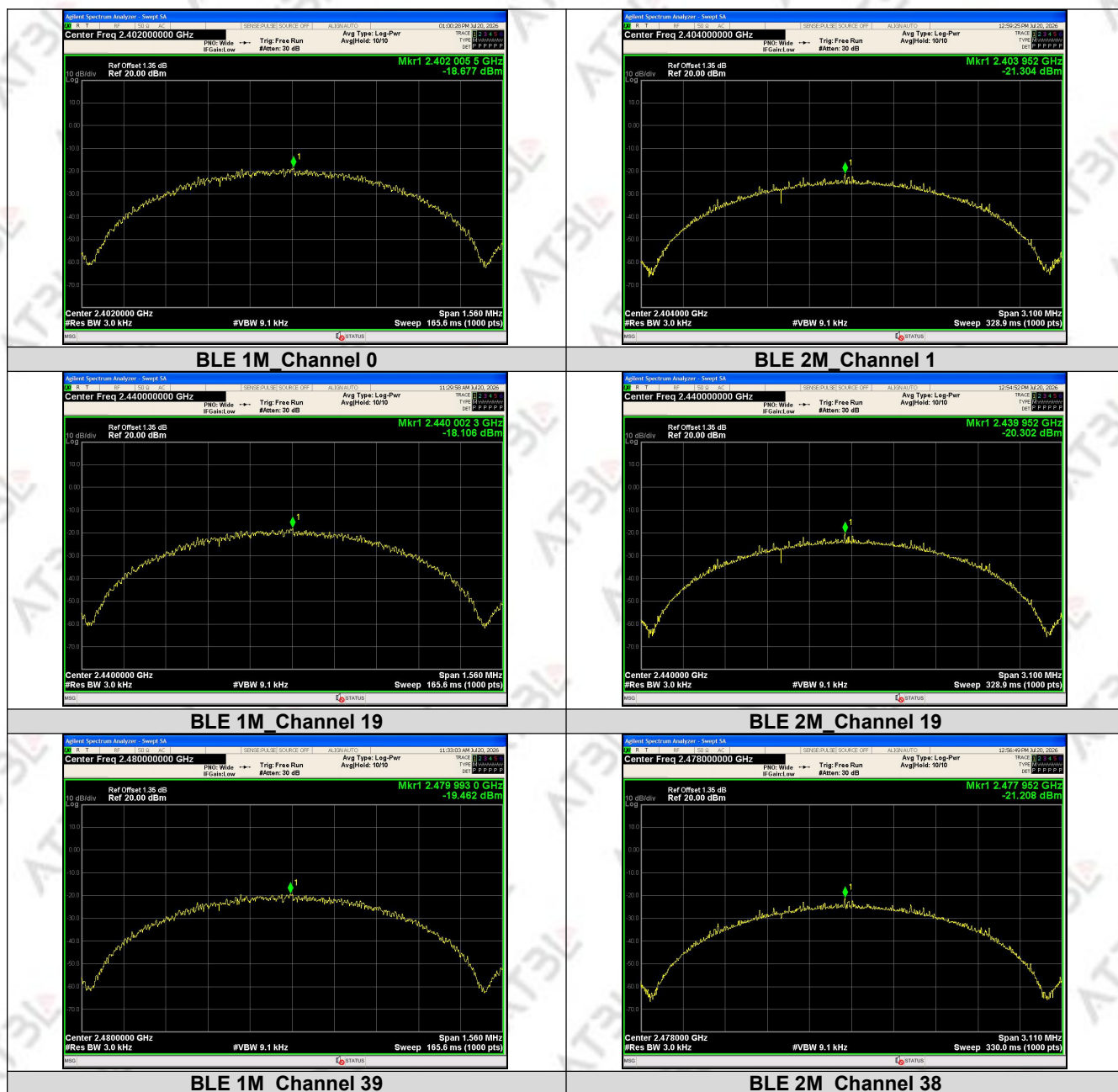
4.Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-18.680	≤8	PASS
BLE 1M	19	-18.110	≤8	PASS
BLE 1M	39	-19.460	≤8	PASS
BLE 2M	1	-21.300	≤8	PASS
BLE 2M	19	-20.300	≤8	PASS
BLE 2M	38	-21.210	≤8	PASS

Test Graphs



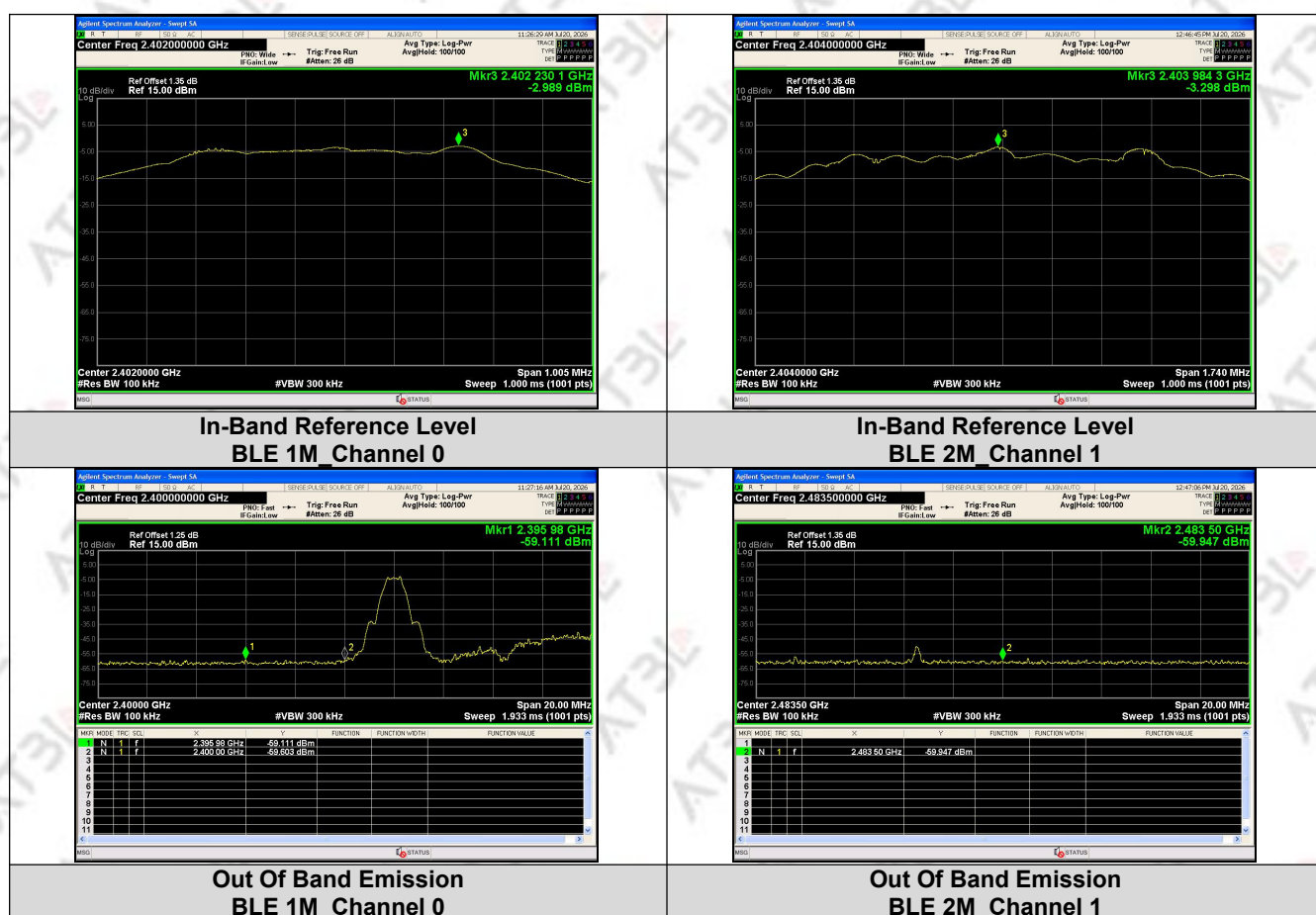


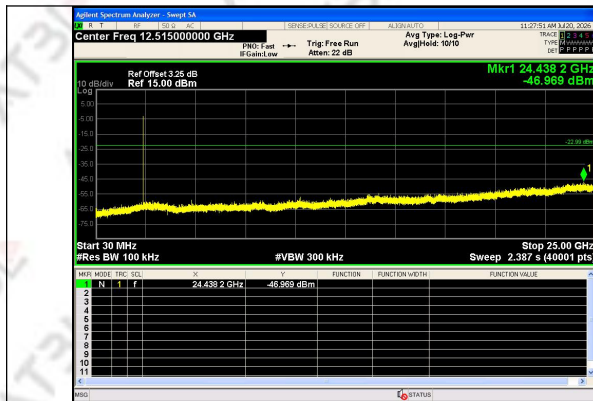
5. Conducted Spurious & Band Edge Emission

Test Result

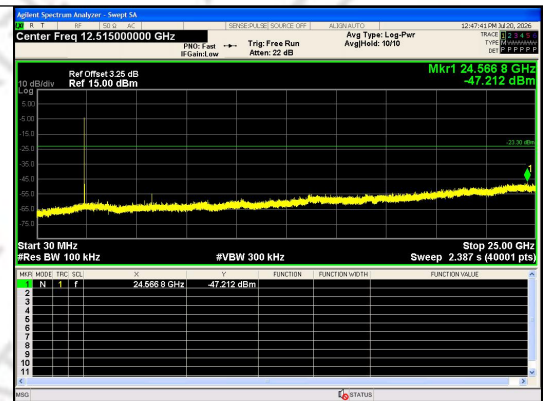
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2395.98	-59.111	-22.99	-36.121	PASS
		2400.00	-59.603	-22.99	-36.613	PASS
		24438.2	-46.969	-22.99	-23.979	PASS
	19	24430.7	-46.368	-22.09	-24.278	PASS
		2394.58	-59.086	-23.25	-35.836	PASS
		2400.00	-59.928	-23.25	-36.678	PASS
BLE 2M	1	23941.3	-47.495	-23.25	-24.245	PASS
		2483.50	-59.947	-23.3	-36.647	PASS
		24566.8	-47.212	-23.3	-23.912	PASS
	19	23612.3	-47.272	-22.33	-24.942	PASS
		2483.50	-60.048	-23.26	-36.788	PASS
		2601.29	-45.964	-23.26	-22.704	PASS

Test Graphs





30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



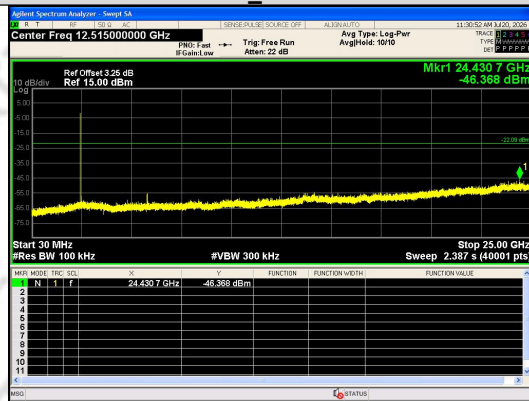
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 1



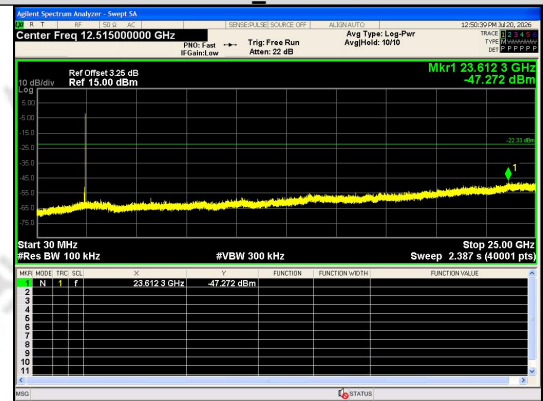
In-Band Reference Level
BLE 1M_Channel 19



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

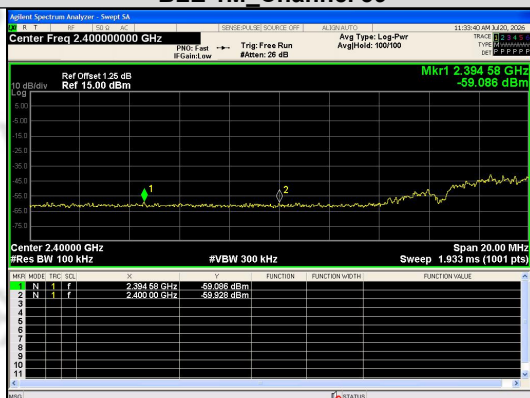


In-Band Reference Level

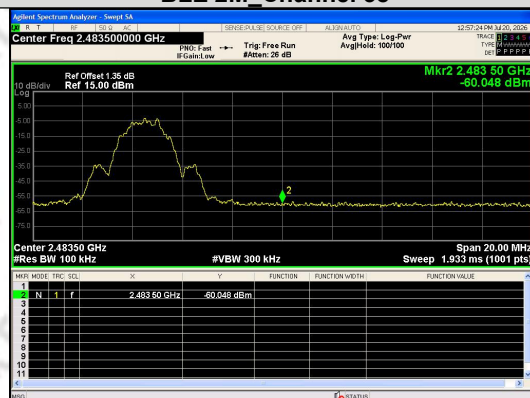


In-Band Reference Level

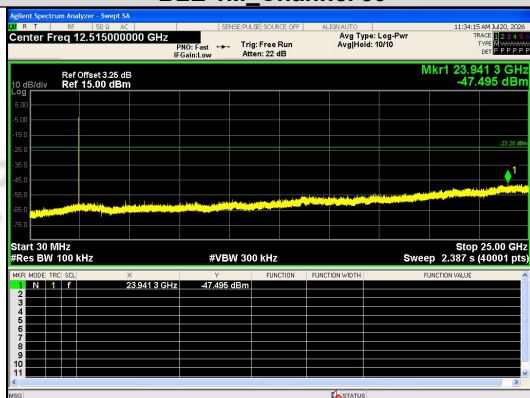
BLE 1M_Channel 39



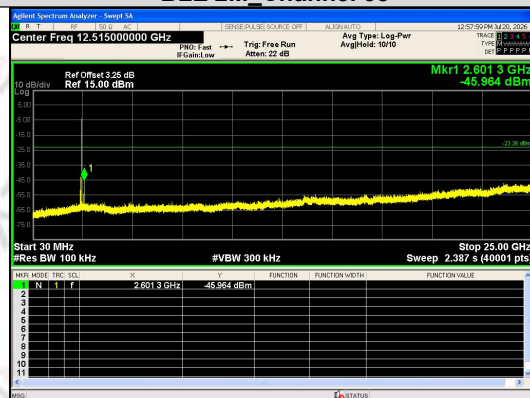
BLE 2M_Channel 38



Out Of Band Emission BLE 1M_Channel 39



Out Of Band Emission BLE 2M_Channel 38



30.0 MHz - 25000.0 MHz BLE 1M_Channel 39

30.0 MHz - 25000.0 MHz BLE 2M_Channel 38

*****END*****