

iAppendix 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	2.46	≤30	PASS
	19	2.77	≤30	PASS
	39	2.61	≤30	PASS
BLE 2M	0	2.48	≤30	PASS
	19	2.82	≤30	PASS
	39	2.85	≤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	2.122	2.499	84.90	0.8490	0.7109
	19	2.120	2.499	84.85	0.8485	0.7135
	39	2.122	2.499	84.90	0.8490	0.7109
BLE 2M	0	1.064	1.874	56.76	0.5676	2.4596
	19	1.065	1.875	56.83	0.5683	2.4542
	39	1.065	1.874	56.81	0.5681	2.4558

Test Graphs

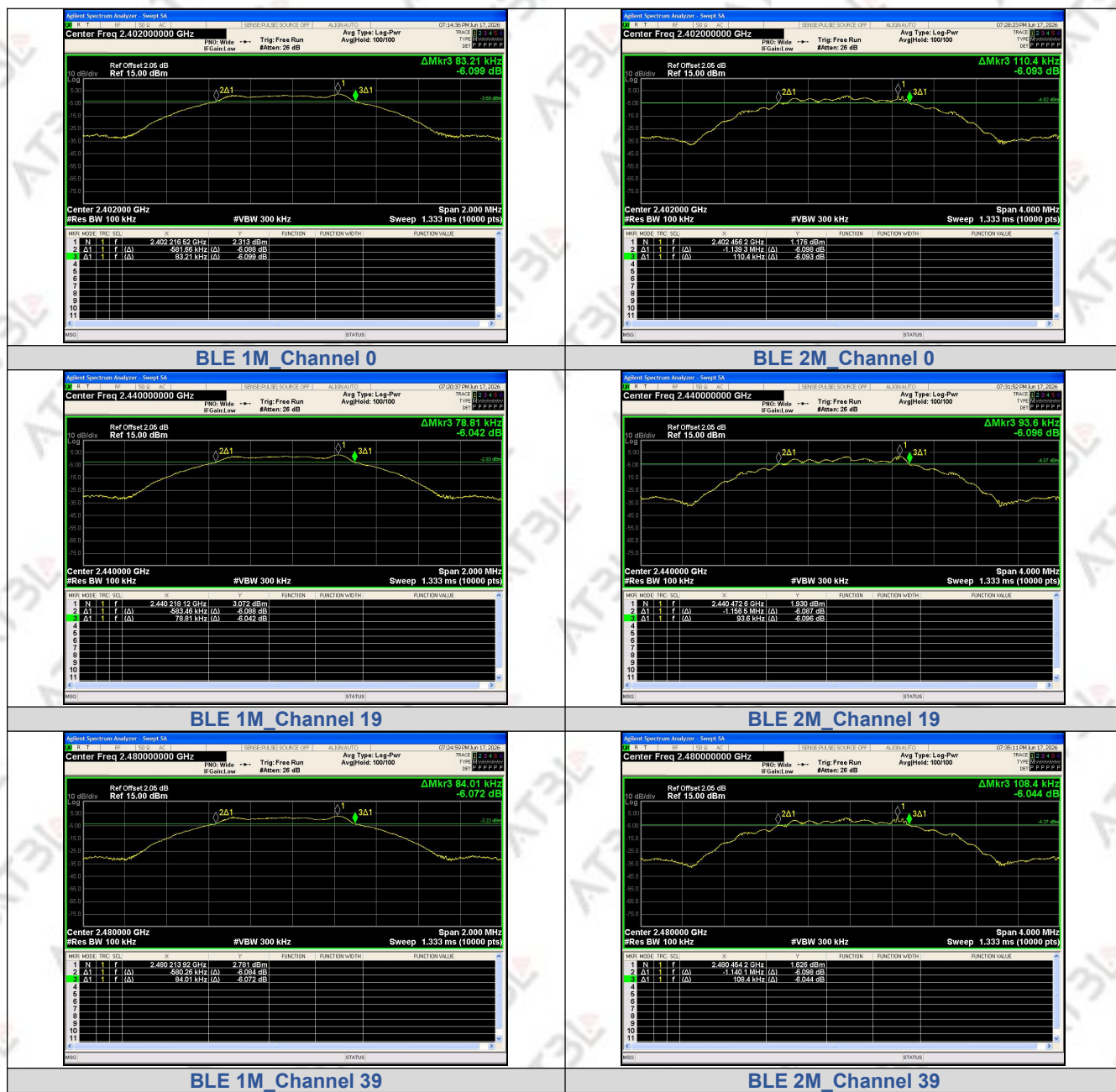


3.6dB Bandwidth and 99% Bandwidth

Test Result

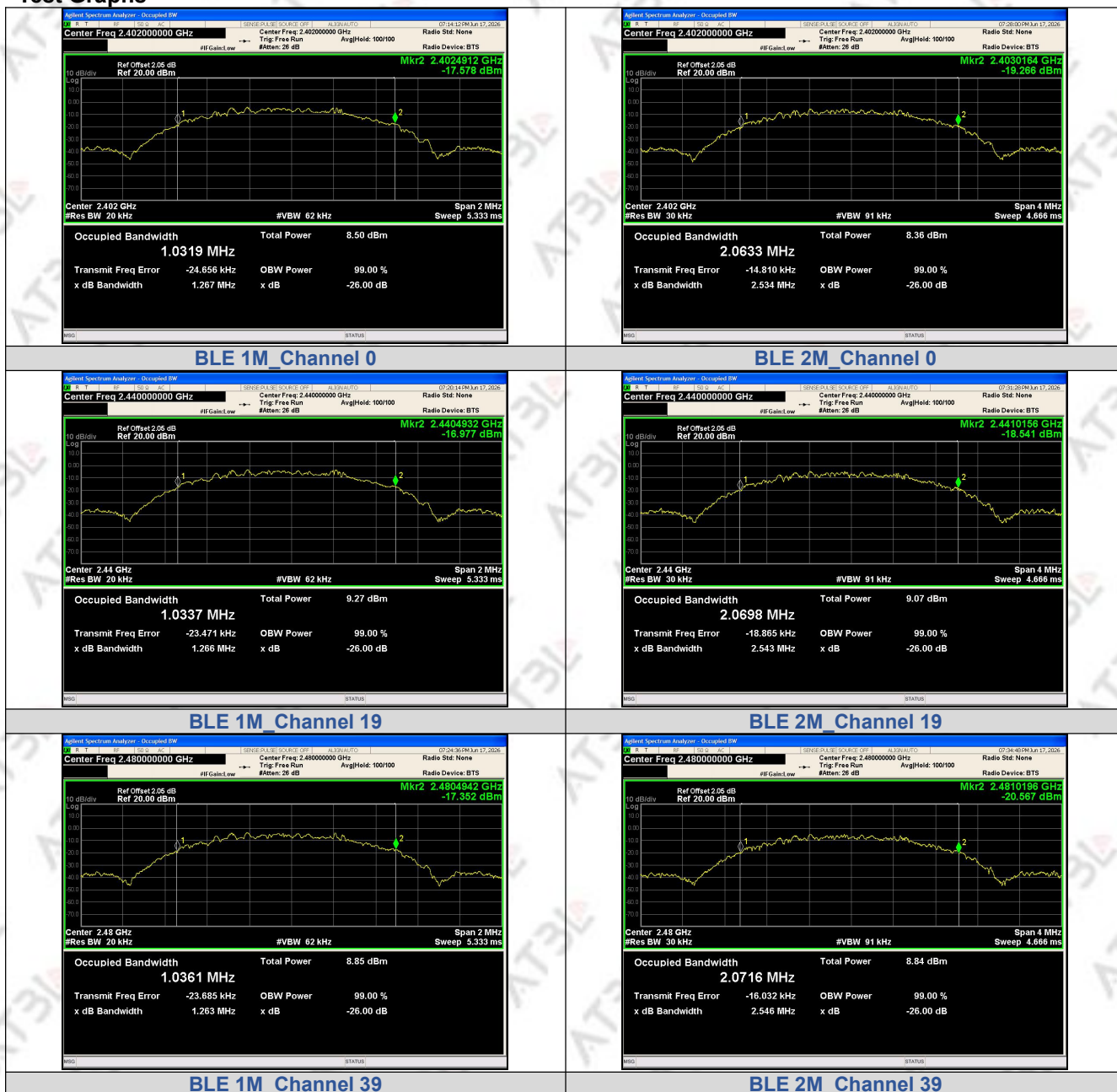
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.67	≥0.5	PASS
	19	2440	0.67		PASS
	39	2480	0.67		PASS
BLE 2M	0	2402	1.25		PASS
	19	2440	1.25		PASS
	39	2480	1.25		PASS

Test Graphs



Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0319
BLE 1M	19	2440	1.0337
BLE 1M	39	2480	1.0361
BLE 2M	0	2402	2.0633
BLE 2M	19	2440	2.0698
BLE 2M	39	2480	2.0716

Test Graphs

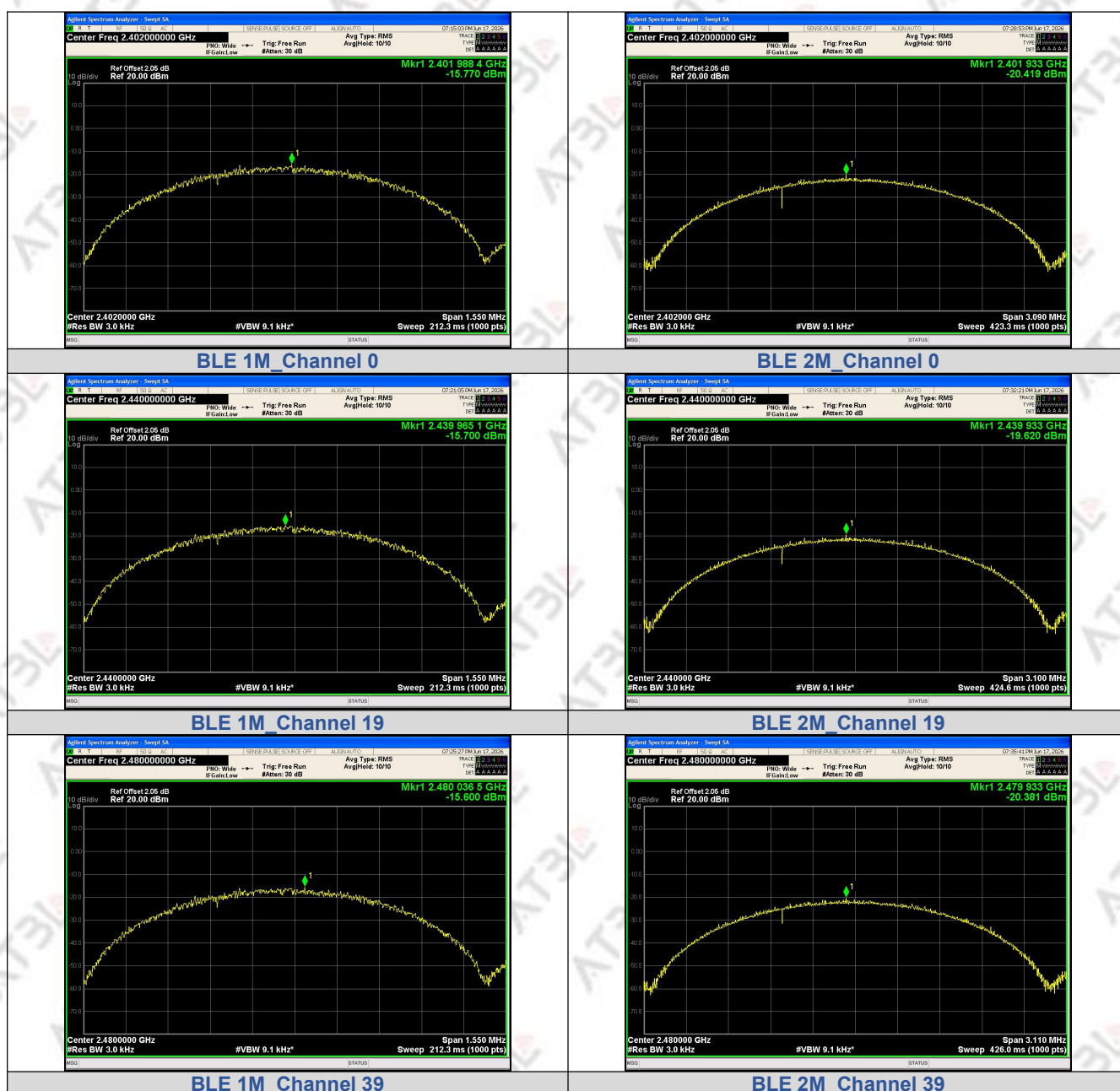


4.Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-15.77	≤8	PASS
BLE 1M	19	-15.70	≤8	PASS
BLE 1M	39	-15.60	≤8	PASS
BLE 2M	0	-20.42	≤8	PASS
BLE 2M	19	-19.62	≤8	PASS
BLE 2M	39	-20.38	≤8	PASS

Test Graphs



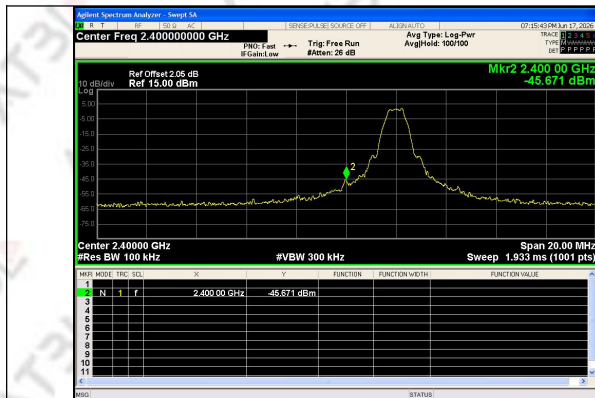
5. Conducted Spurious & Band Edge Emission

Test Result

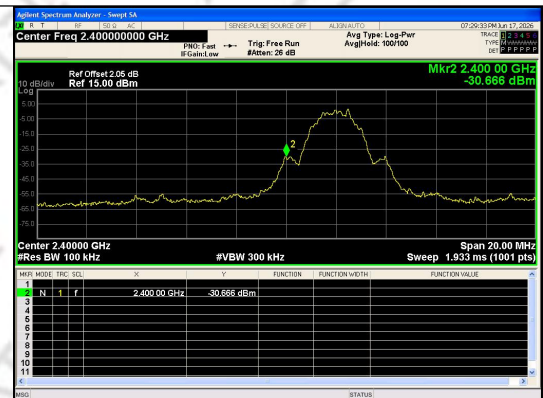
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-45.671	-17.68	-27.991	PASS
		4804.26	-54.166	-17.68	-36.486	PASS
		7205.13	-63.423	-17.68	-45.743	PASS
		9609.12	-66.701	-17.68	-49.021	PASS
		24916.3	-52.236	-17.68	-34.556	PASS
	19	4879.17	-54.949	-16.92	-38.029	PASS
		7319.37	-64.211	-16.92	-47.291	PASS
		9760.81	-65.913	-16.92	-48.993	PASS
		24978.2	-52.637	-16.92	-35.717	PASS
	39	2483.50	-57.839	-17.19	-40.649	PASS
		4960.33	-57.143	-17.19	-39.953	PASS
		7441.72	-64.350	-17.19	-47.160	PASS
		9919.37	-65.711	-17.19	-48.521	PASS
		24858.9	-52.978	-17.19	-35.788	PASS
BLE 2M	0	2400.00	-30.666	-18.73	-11.936	PASS
		2502.03	-50.010	-18.73	-31.280	PASS
		4803.02	-54.525	-18.73	-35.795	PASS
		7205.75	-64.227	-18.73	-45.497	PASS
		9609.12	-67.388	-18.73	-48.658	PASS
	19	2338.48	-50.721	-18.05	-32.671	PASS
		4881.05	-59.356	-18.05	-41.306	PASS
		7321.86	-64.354	-18.05	-46.304	PASS
		9759.56	-65.114	-18.05	-47.064	PASS
	39	2376.56	-50.555	-18.3	-32.255	PASS
		2483.50	-56.388	-18.3	-38.088	PASS
		4960.95	-59.396	-18.3	-41.096	PASS
		7438.60	-65.870	-18.3	-47.570	PASS
		9921.87	-64.714	-18.3	-46.414	PASS

Test Graphs

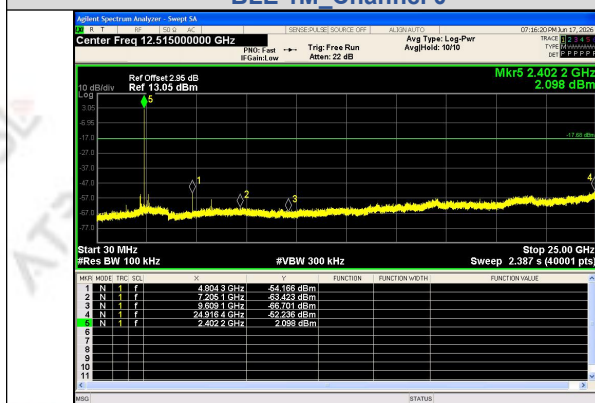




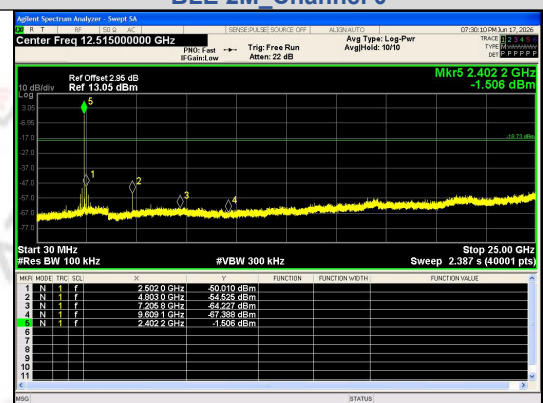
Out Of Band Emission
BLE 1M_Channel 0



Out Of Band Emission
BLE 2M_Channel 0



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



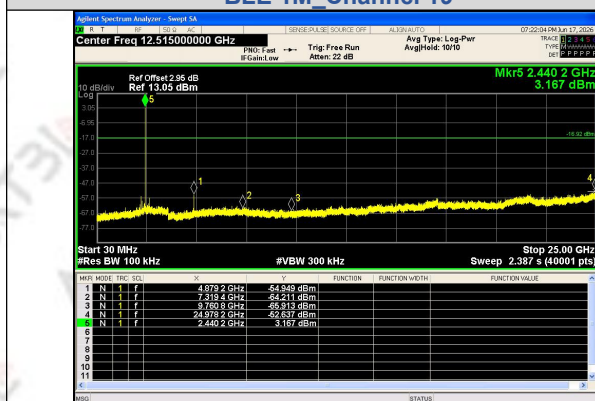
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0



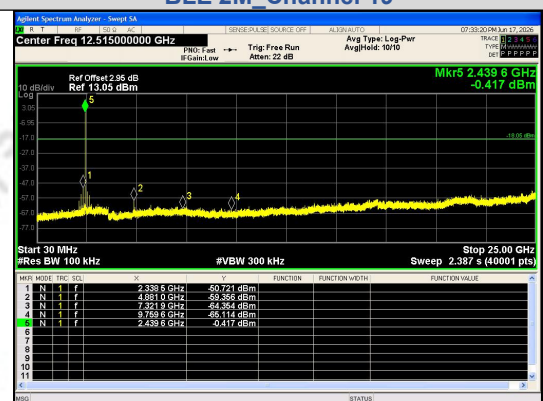
In-Band Reference Level
BLE 1M_Channel 19



In-Band Reference Level
BLE 2M_Channel 19

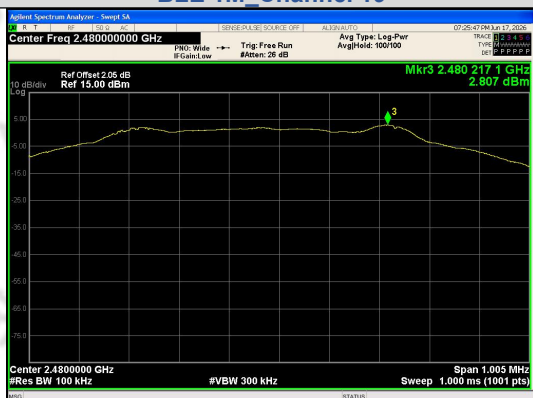


30.0 MHz - 25000.0 MHz

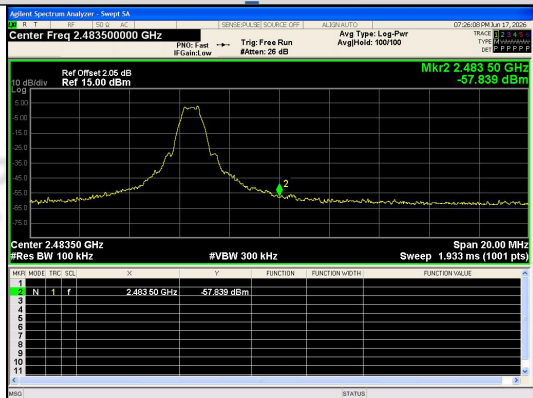
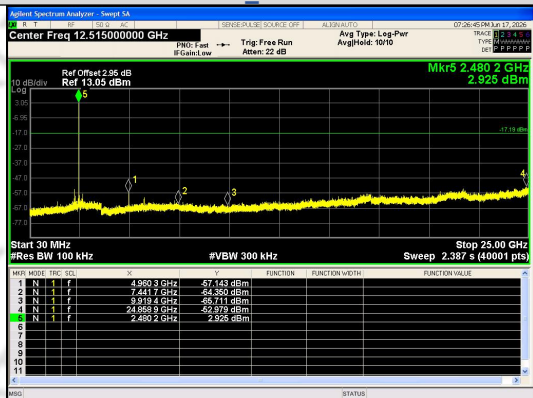
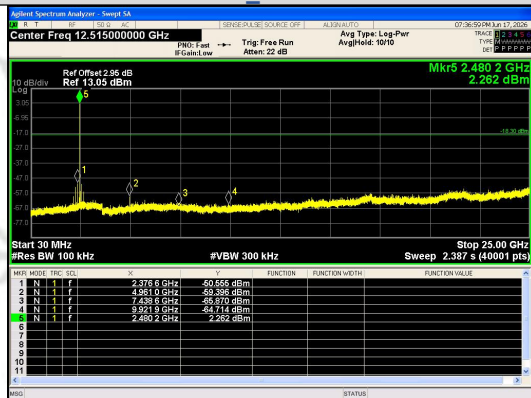


30.0 MHz - 25000.0 MHz

BLE 1M_Channel 19



BLE 2M_Channel 19

In-Band Reference Level
BLE 1M_Channel 39In-Band Reference Level
BLE 2M_Channel 39Out Of Band Emission
BLE 1M_Channel 39Out Of Band Emission
BLE 2M_Channel 3930.0 MHz - 25000.0 MHz
BLE 1M_Channel 3930.0 MHz - 25000.0 MHz
BLE 2M_Channel 39

*****END*****