

Appendix A

Report No.:	CISRR240611083
FCC ID:	2BG5H-S7
Product Name:	MP3 Player
Model No.:	S7
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

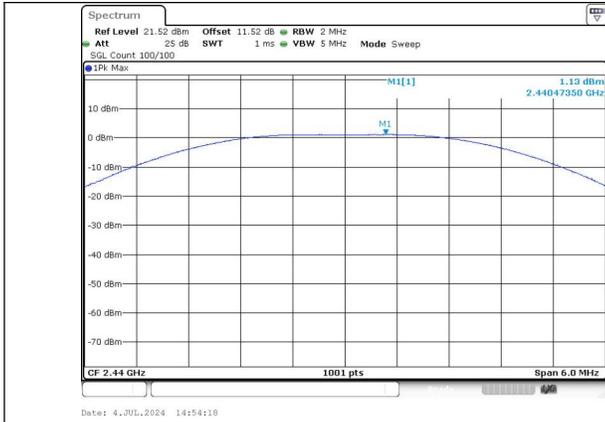
Conducted Output Power

Test Result

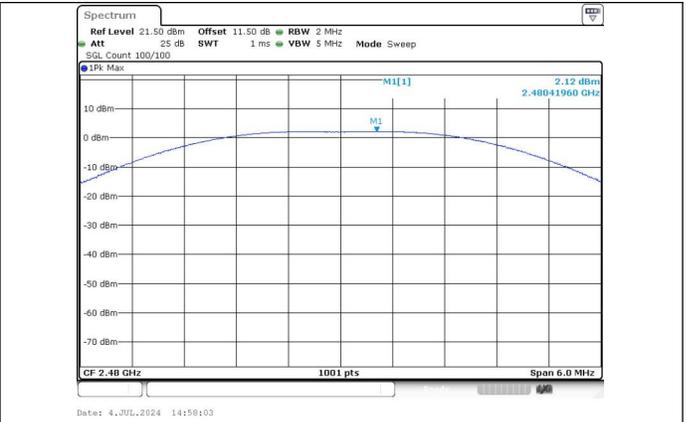
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	0.366	1.09	≤30	PASS
	19	1.080	1.28	≤30	PASS
	39	2.056	1.61	≤30	PASS
BLE 2M	0	0.398	1.1	≤30	PASS
	19	1.133	1.3	≤30	PASS
	39	2.119	1.63	≤30	PASS

Test Graphs





**Peak Output Power
BLE 2M_Channel 19**

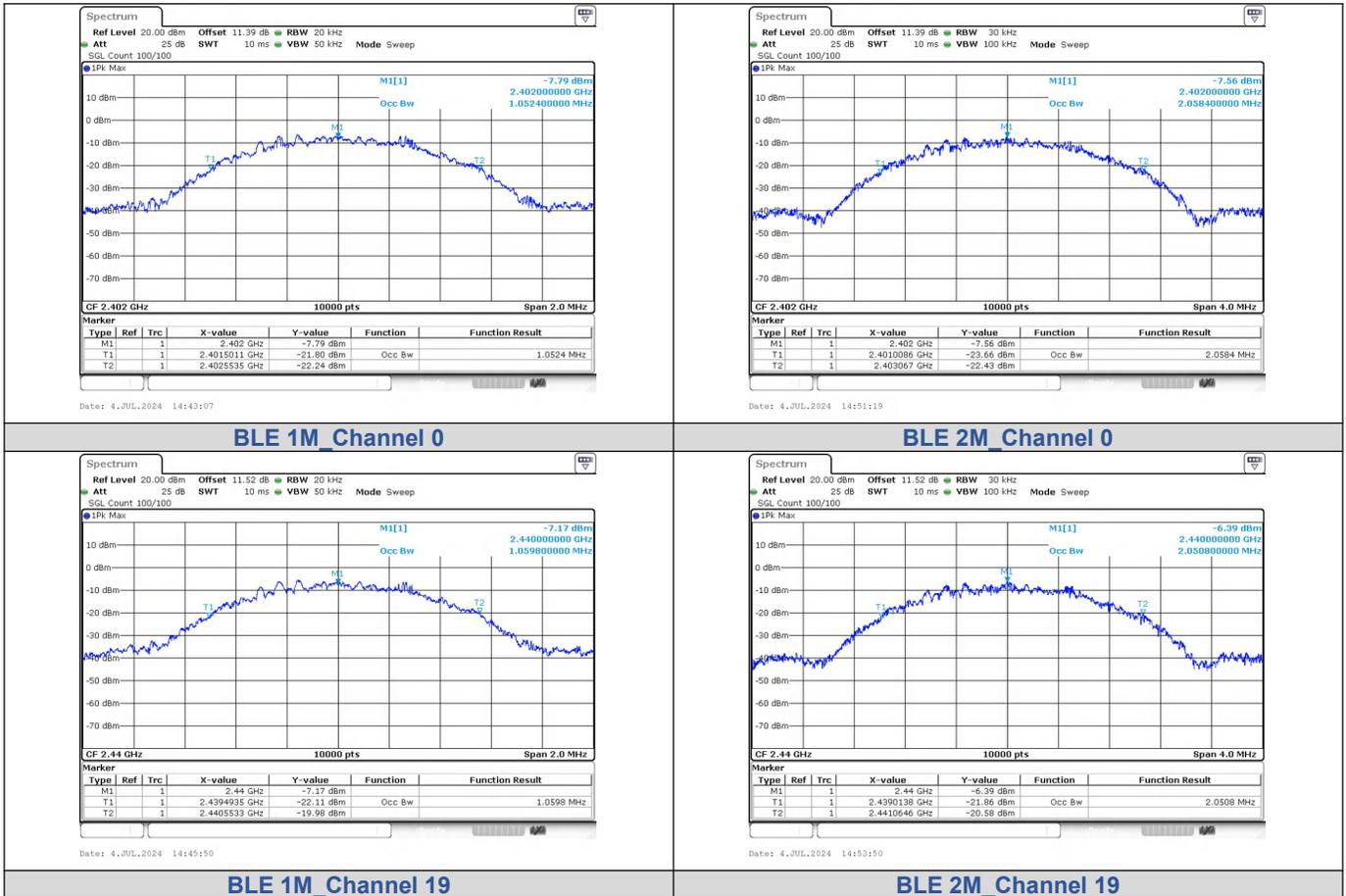


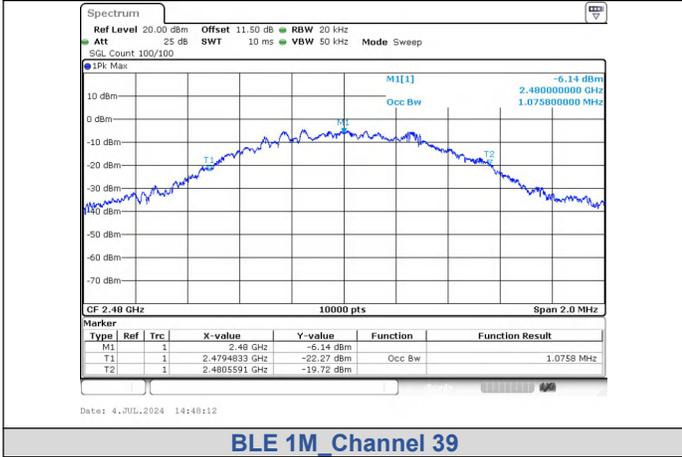
**Peak Output Power
BLE 2M_Channel 39**

99% Bandwidth Test Result

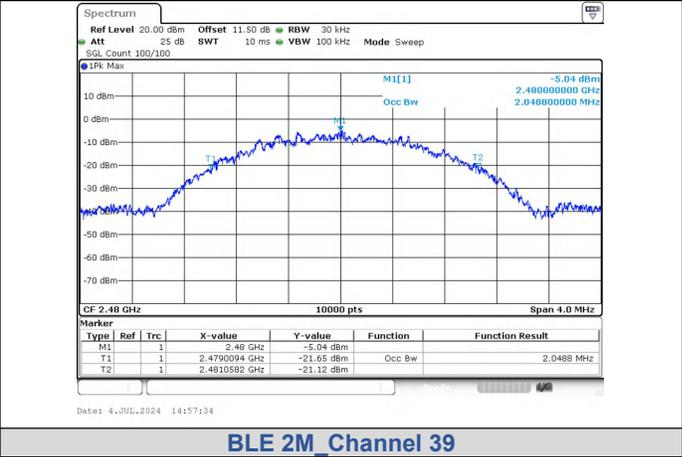
Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0524
BLE 1M	19	2440	1.0598
BLE 1M	39	2480	1.0758
BLE 2M	0	2402	2.0584
BLE 2M	19	2440	2.0508
BLE 2M	39	2480	2.0488

Test Graphs





BLE 1M_Channel 39



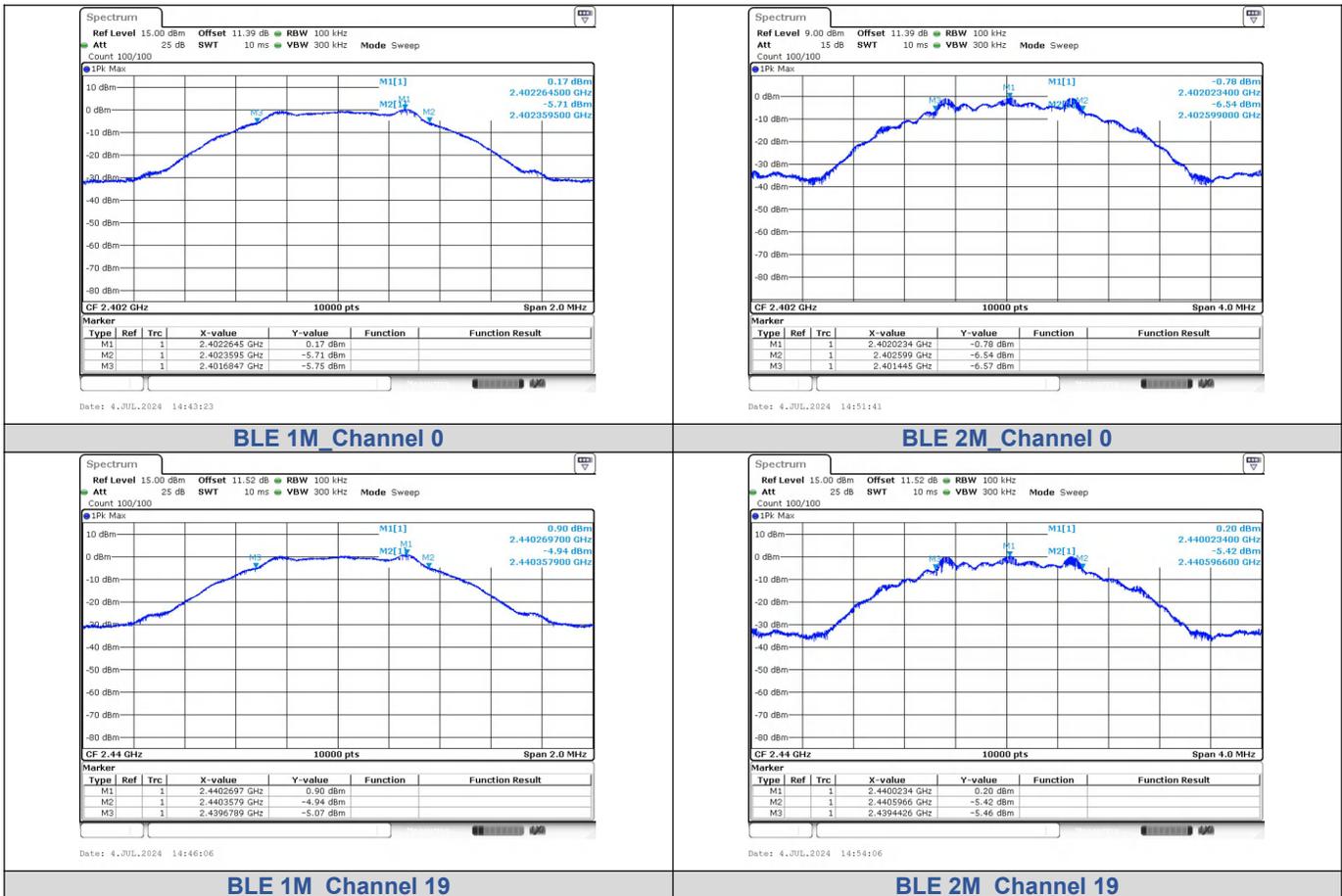
BLE 2M_Channel 39

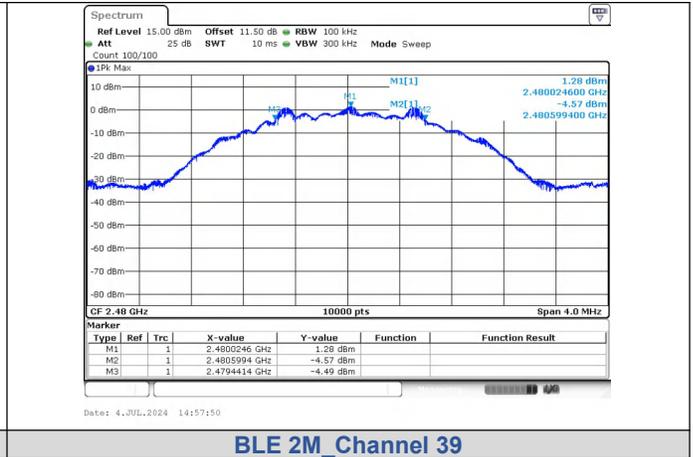
6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6800	≥0.5	PASS
	19	2440	0.6800		PASS
	39	2480	0.6900		PASS
BLE 2M	0	2402	1.150		PASS
	19	2440	1.160		PASS
	39	2480	1.160		PASS

Test Graphs

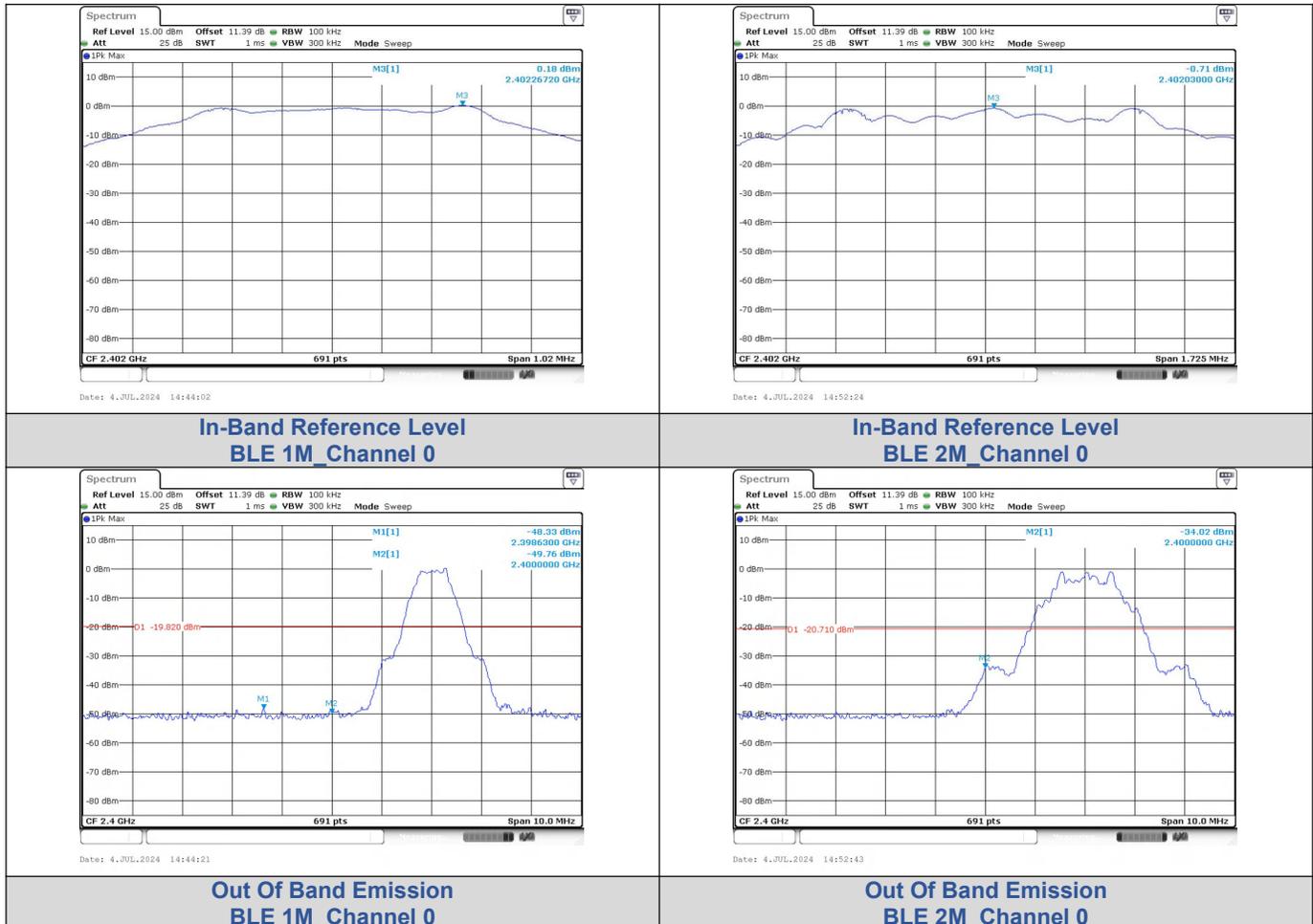


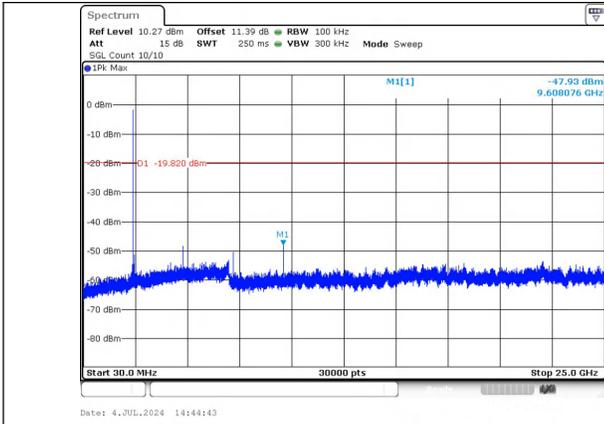


Conducted Out Of Band Emission Test Result

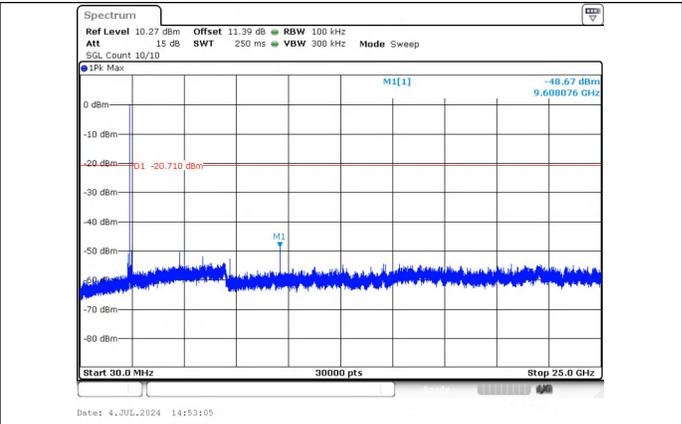
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.63	-48.335	-19.82	-28.515	PASS
		2400.00	-49.764	-19.82	-29.944	PASS
		9608.10	-47.927	-19.82	-28.107	PASS
	19	9760.39	-46.472	-19.12	-27.352	PASS
		2483.50	-50.400	-18.13	-32.270	PASS
		4959.49	-48.080	-18.13	-29.950	PASS
BLE 2M	0	2400.00	-34.024	-20.71	-13.314	PASS
		9608.08	-46.671	-20.71	-27.961	PASS
	19	9760.39	-46.789	-19.86	-26.929	PASS
		2483.50	-50.720	-18.76	-31.960	PASS
	39	4960.33	-46.805	-18.76	-28.045	PASS

Test Graphs

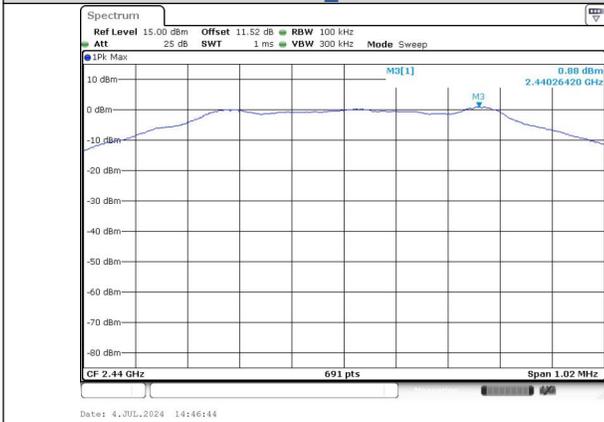




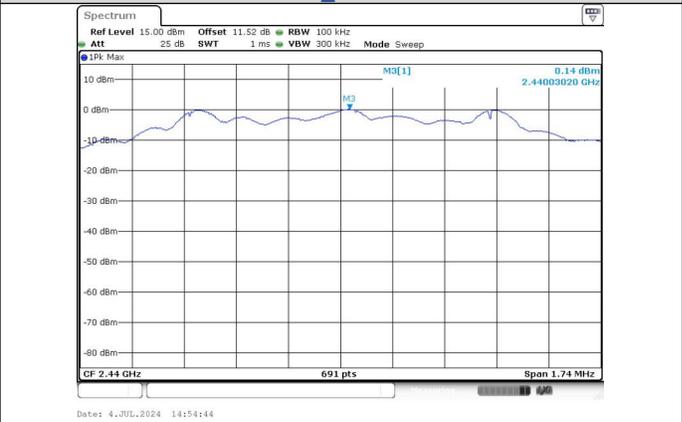
**30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0**



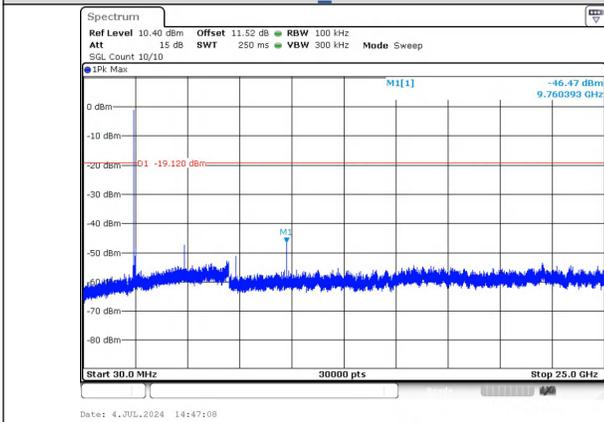
**30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0**



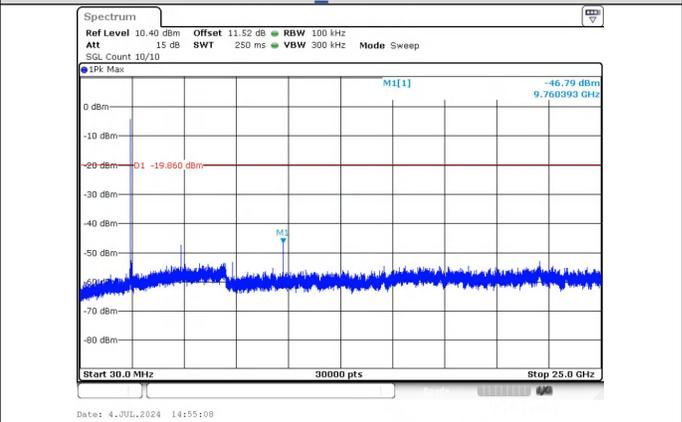
**In-Band Reference Level
BLE 1M_Channel 19**



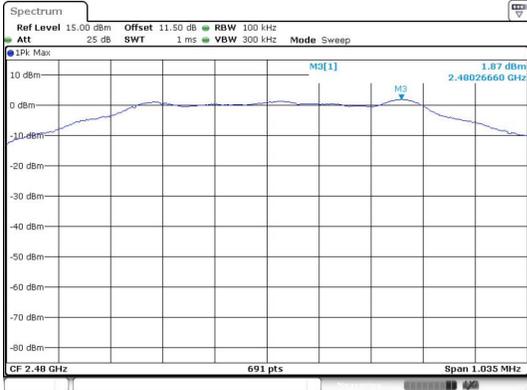
**In-Band Reference Level
BLE 2M_Channel 19**



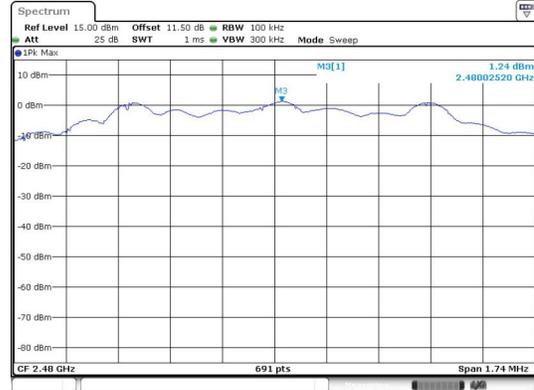
**30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19**



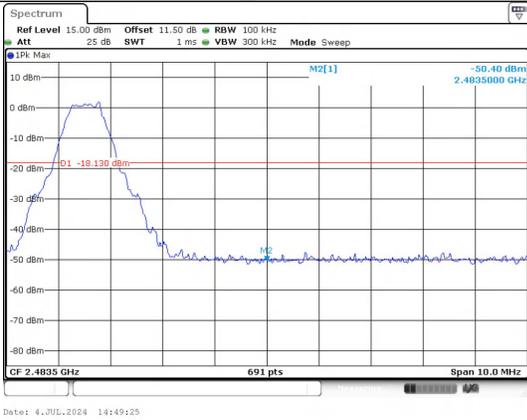
**30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19**



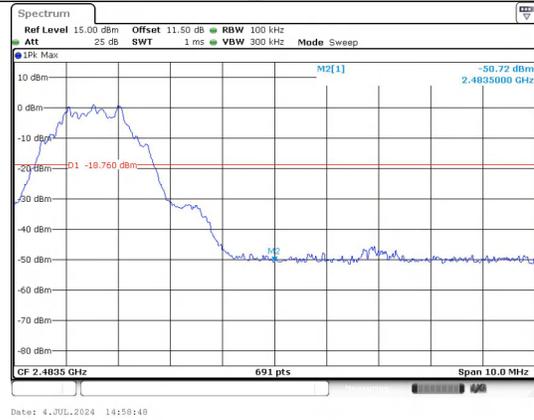
**In-Band Reference Level
BLE 1M_Channel 39**



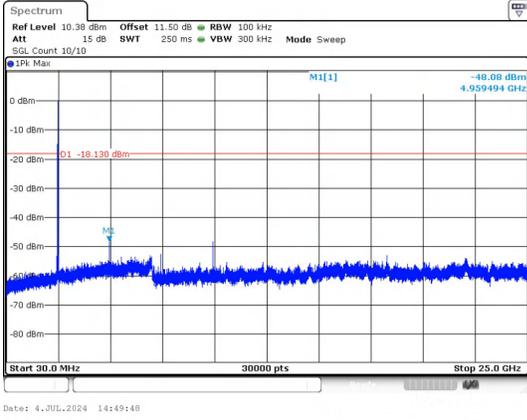
**In-Band Reference Level
BLE 2M_Channel 39**



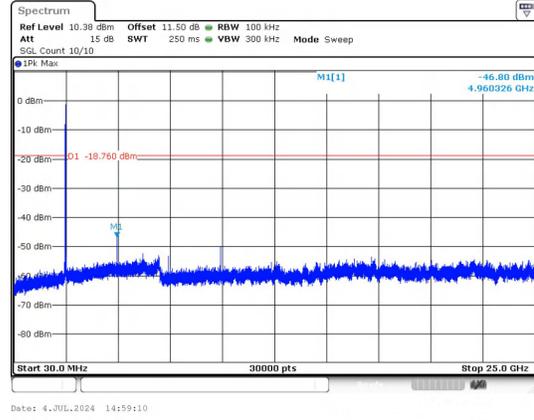
**Out Of Band Emission
BLE 1M_Channel 39**



**Out Of Band Emission
BLE 2M_Channel 39**



**30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39**



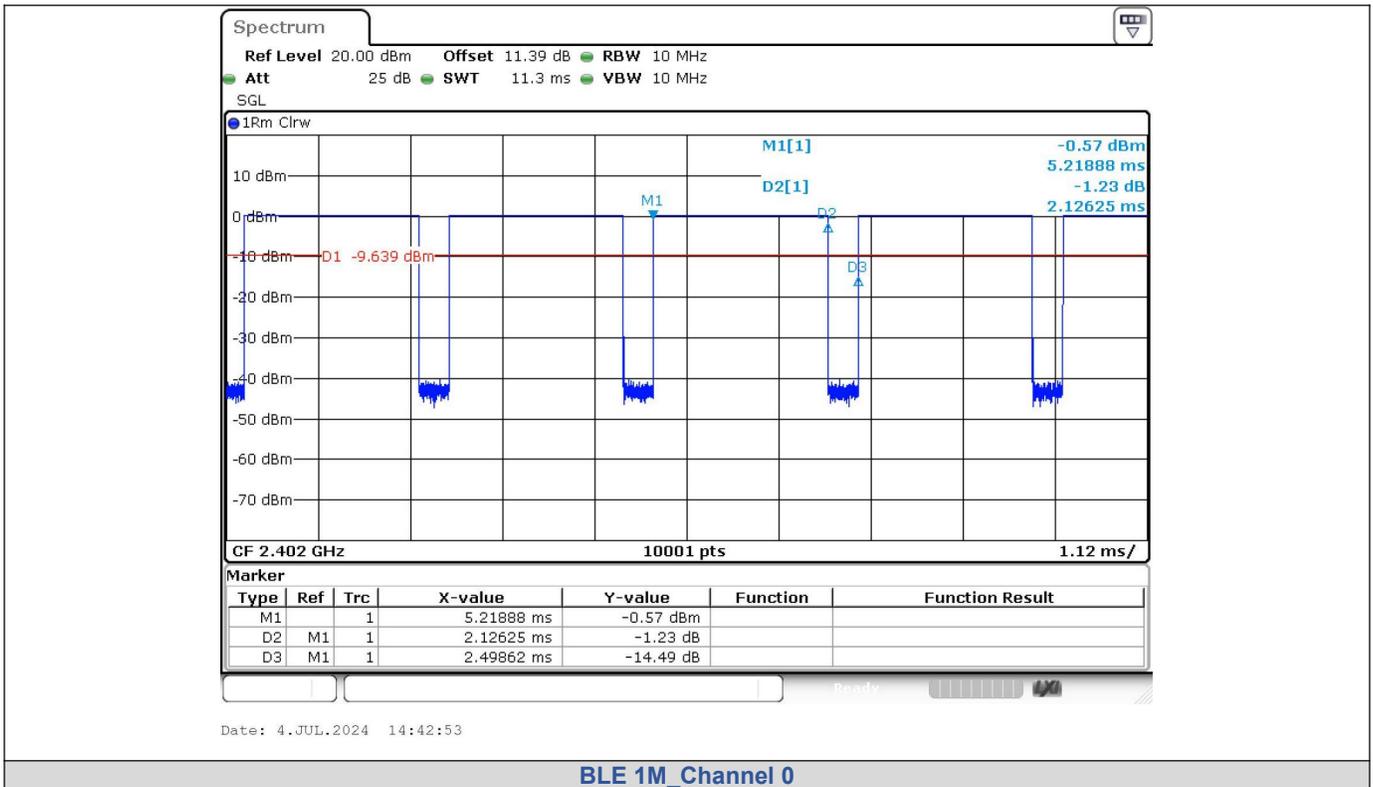
**30.0 MHz - 25000.0 MHz
BLE 2M_Channel 39**

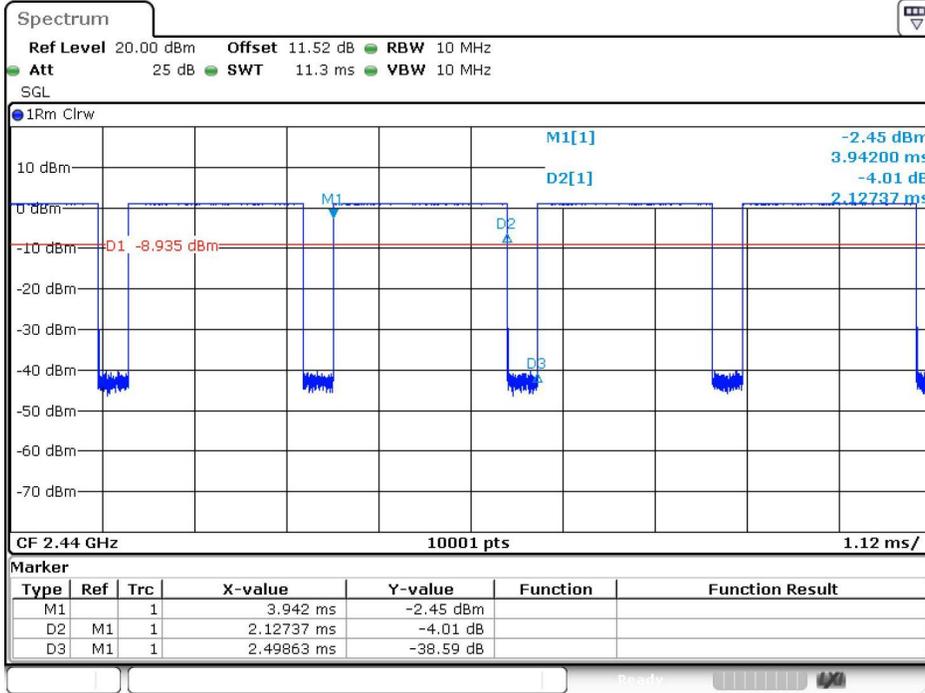
Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.126	2.499	85.10	0.8510	0.7007	0.47
	19	2.127	2.499	85.14	0.8514	0.6987	0.47
	39	2.126	2.499	85.10	0.8510	0.7007	0.47
BLE 2M	0	1.075	2.499	43.04	0.4304	3.6613	0.93
	19	1.074	2.499	43.00	0.4300	3.6653	0.93
	39	1.075	2.499	43.04	0.4304	3.6613	0.93

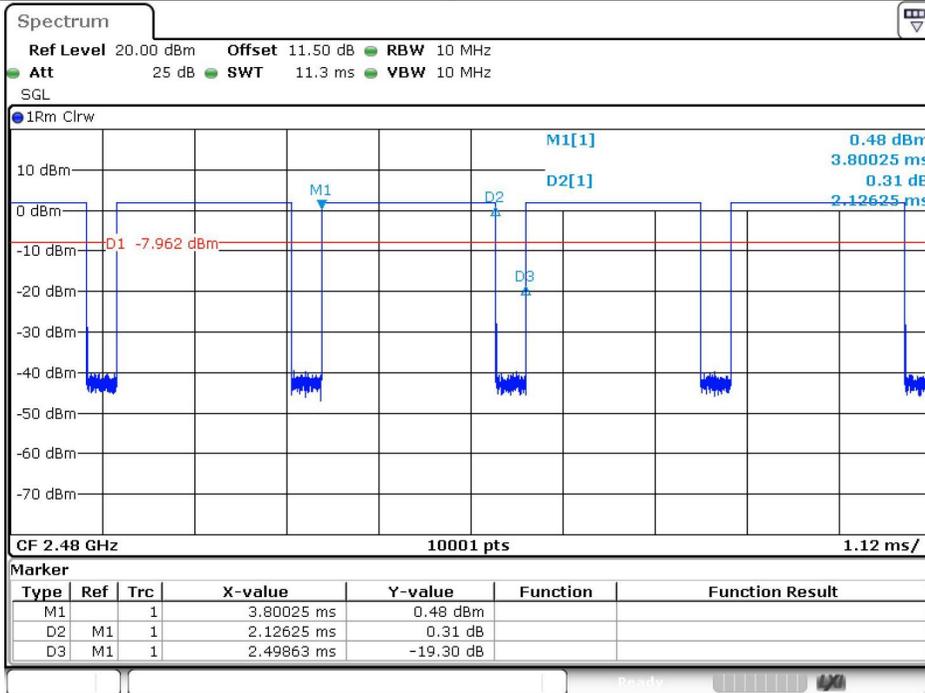
Test Graphs





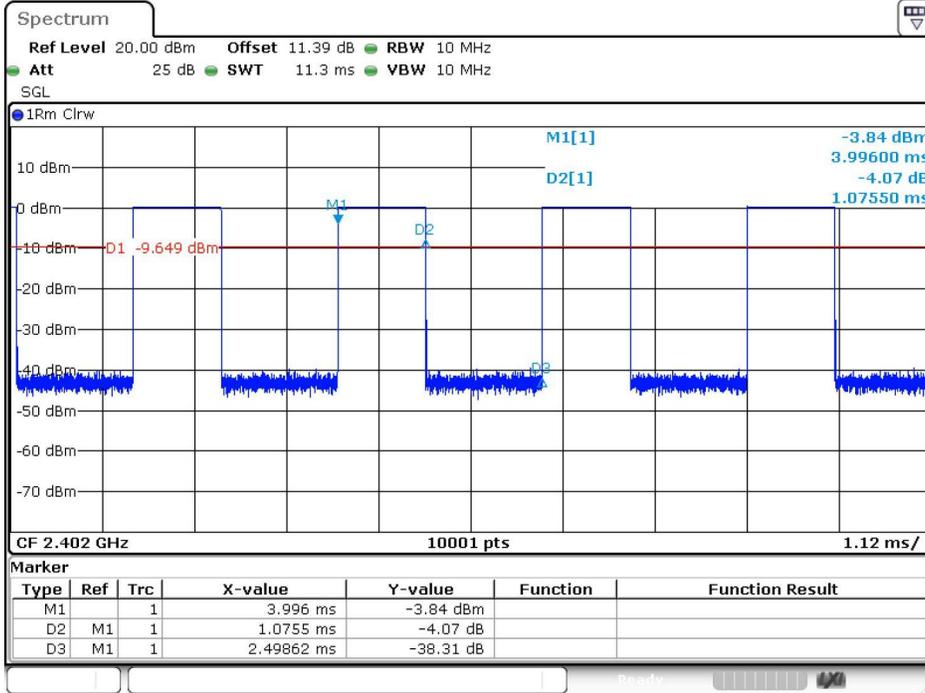
Date: 4.JUL.2024 14:45:36

BLE 1M_Channel 19



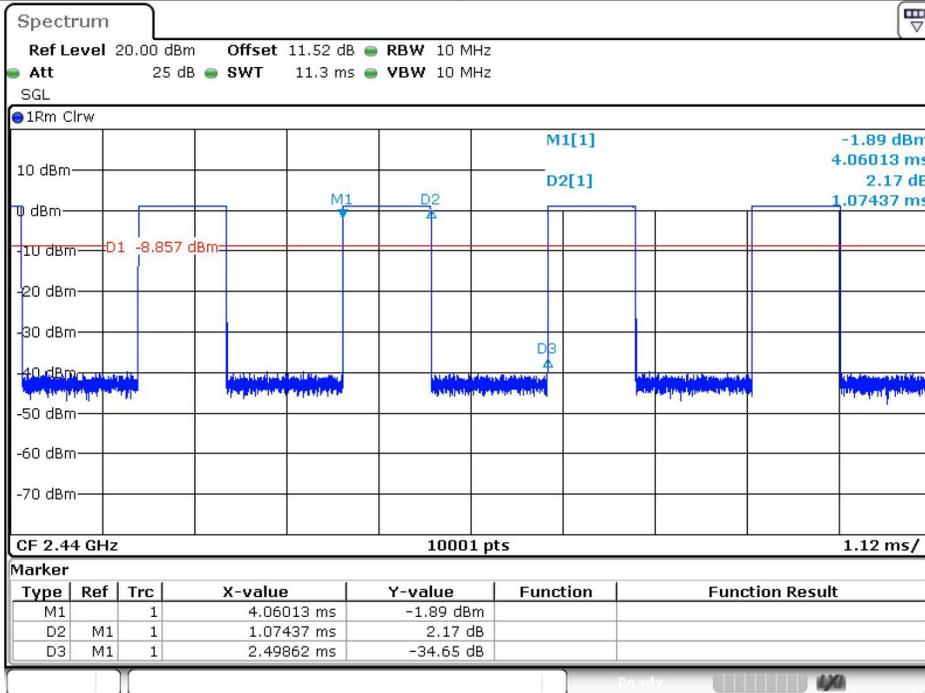
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BLE 1M_Channel 39



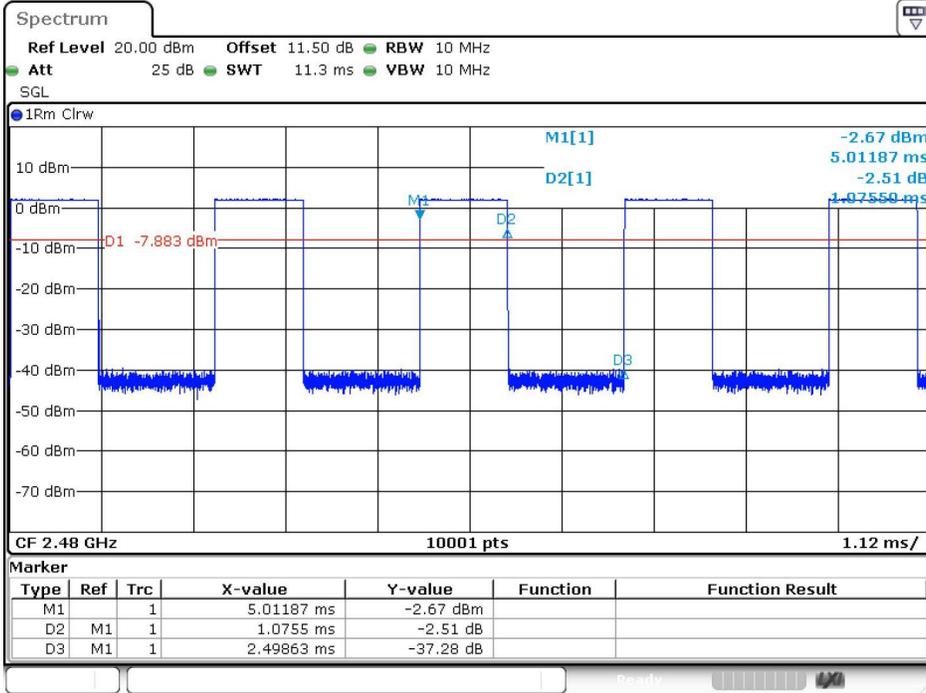
Date: 4.JUL.2024 14:51:04

BLE 2M_Channel 0



Date: 4.JUL.2024 14:53:36

BLE 2M_Channel 19



Date: 4.JUL.2024 14:57:20

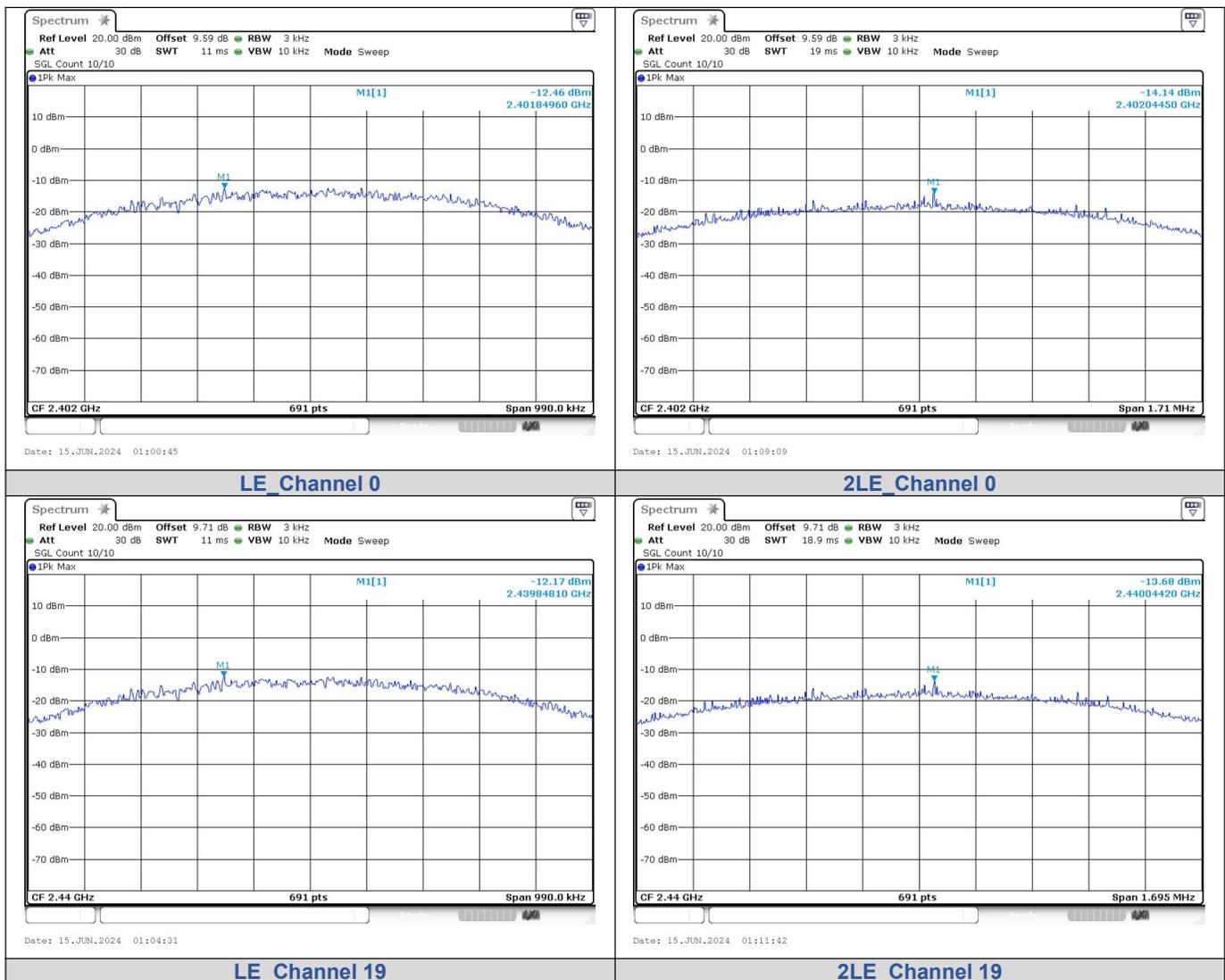
BLE 2M_Channel 39

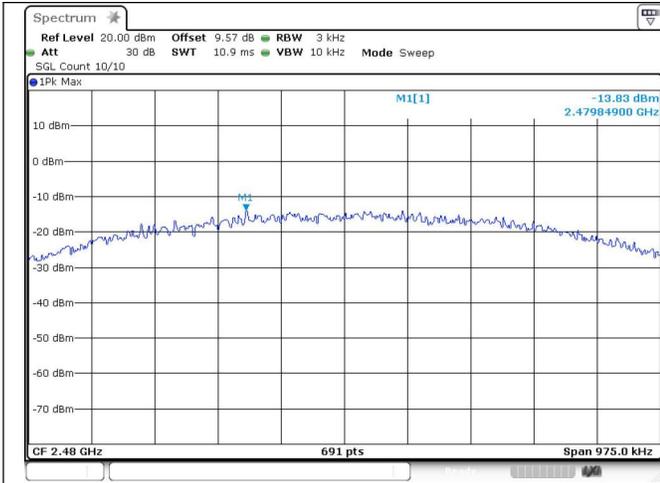
Power Spectral Density

Test Result

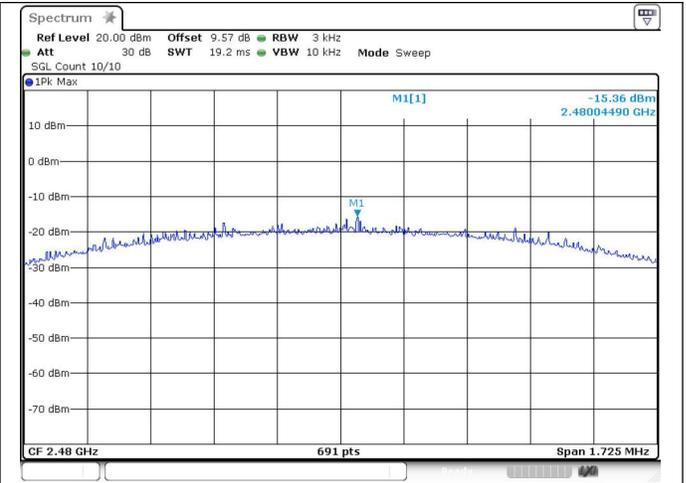
Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-12.460	8	PASS
LE	19	-12.171	8	PASS
LE	39	-13.828	8	PASS
2LE	0	-14.137	8	PASS
2LE	19	-13.684	8	PASS
2LE	39	-15.364	8	PASS

Test Graphs





LE_Channel 39



2LE_Channel 39