

Appendix Report

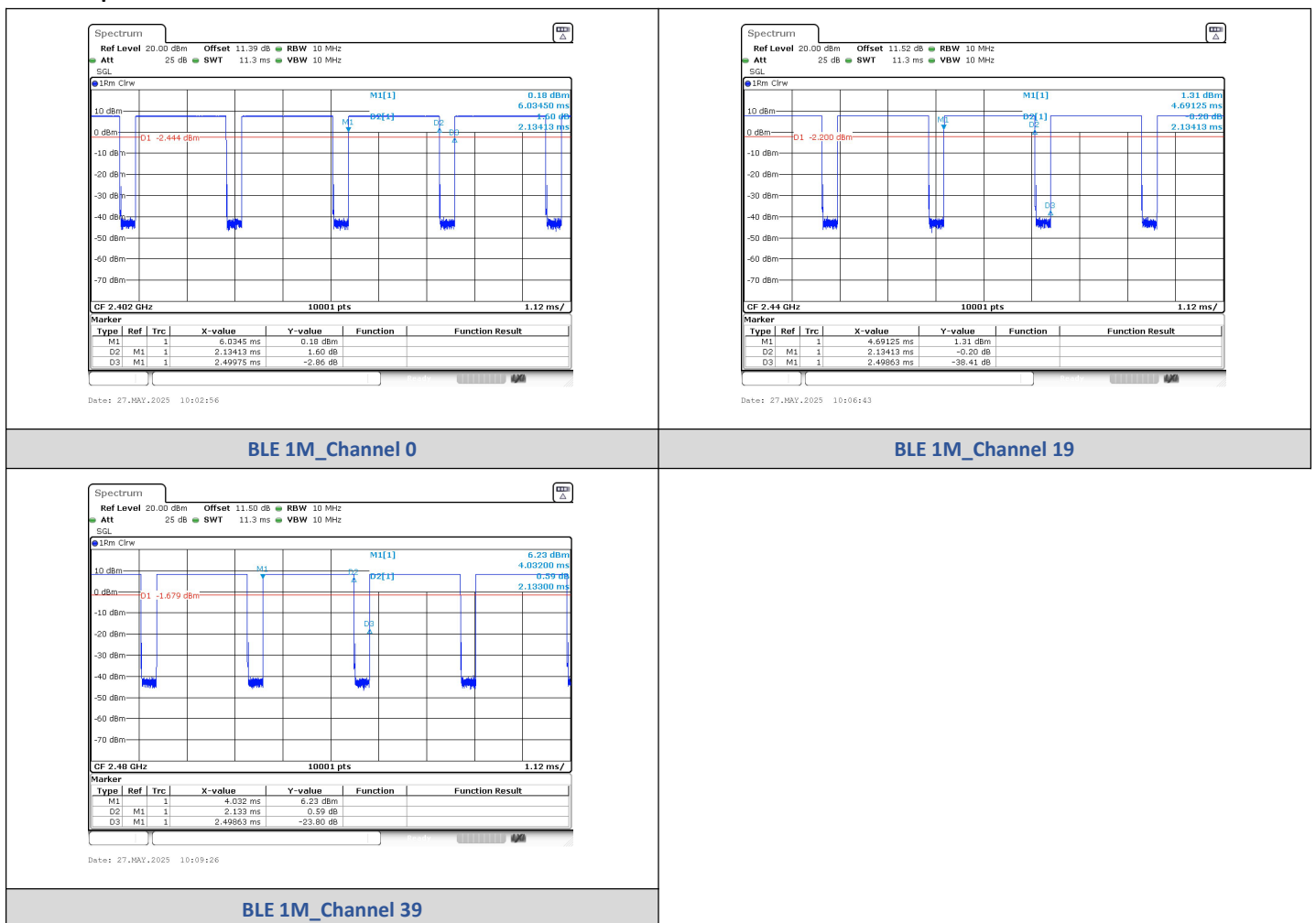
Project No.:	CISR250522131
Test Engineer:	James Wang
Supervised by:	Rory Huang

1) 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	2.134	2.500	85.37	0.8537	0.6869	0.4686
	19	2.134	2.499	85.41	0.8541	0.6849	0.4686
	39	2.133	2.499	85.37	0.8537	0.6869	0.4688

Test Graphs

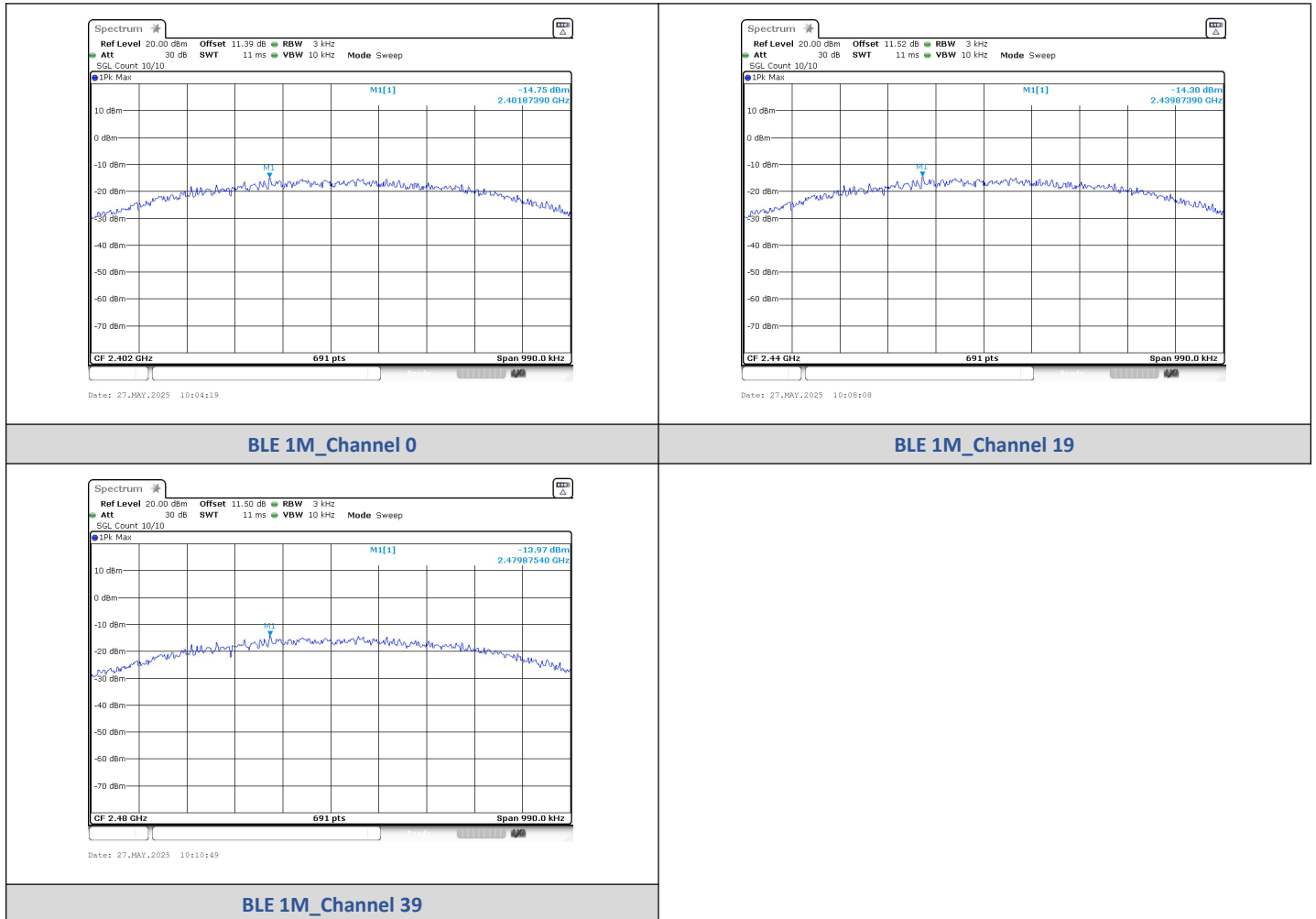


2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-14.750	≤8	PASS
BLE 1M	19	-14.300	≤8	PASS
BLE 1M	39	-13.970	≤8	PASS

Test Graphs

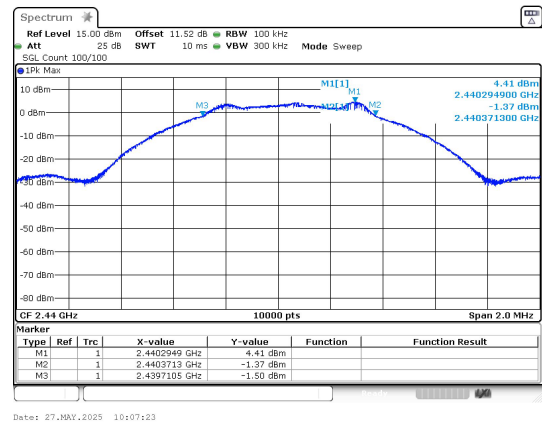
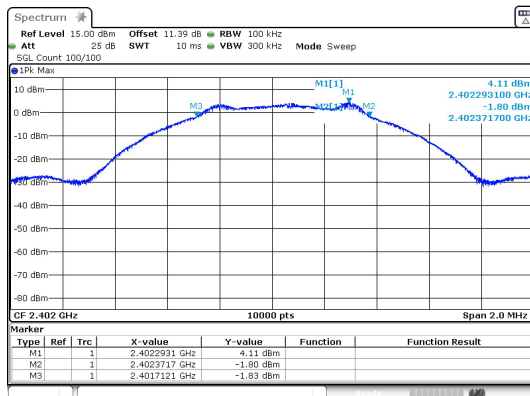


3) 6dB Bandwidth

Test Result

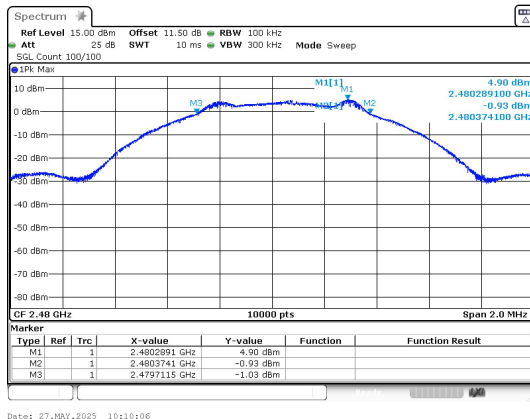
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS

Test Graphs



BLE 1M_Channel 0

BLE 1M_Channel 19



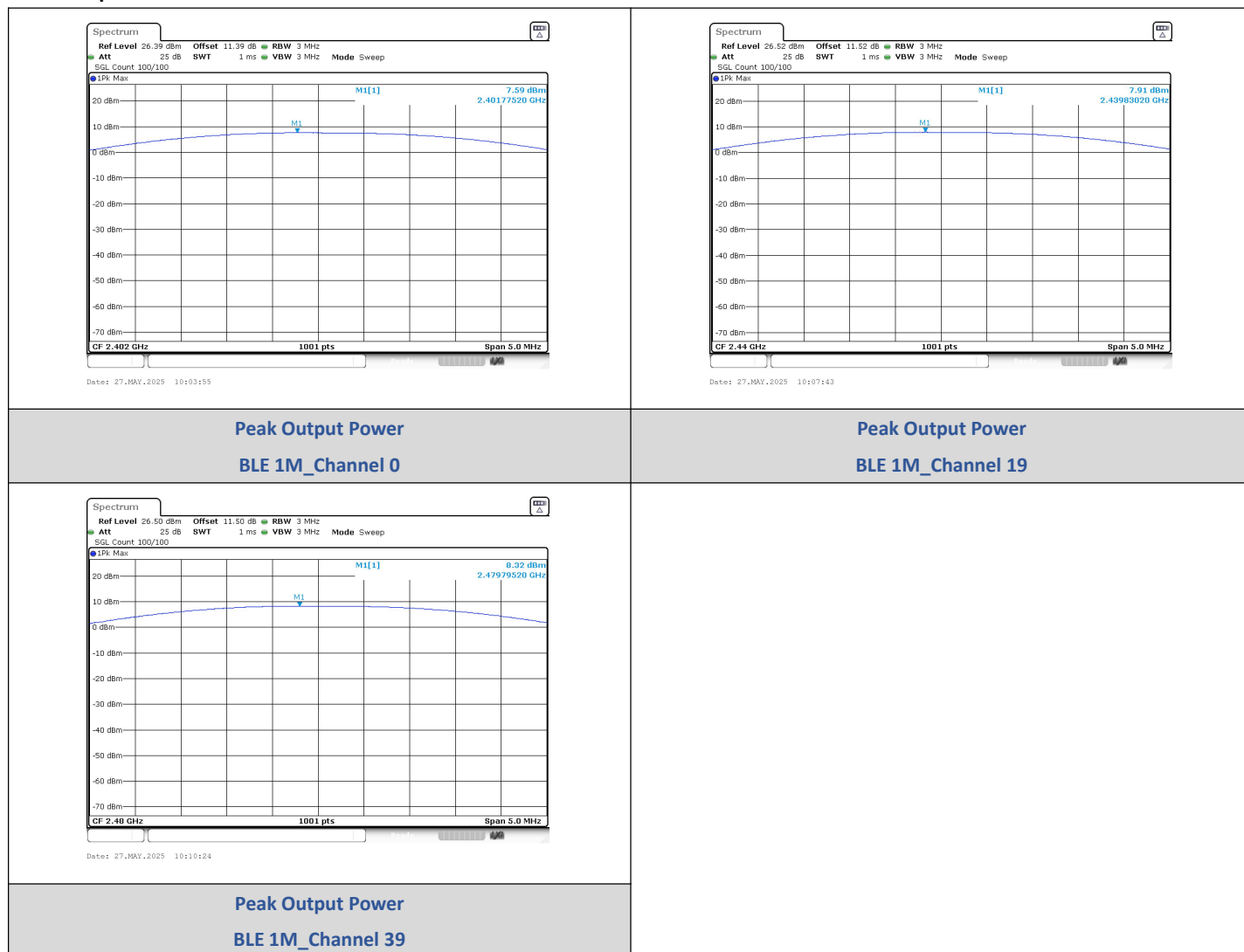
BLE 1M_Channel 39

4) Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	7.59	5.74	≤30	PASS
	19	7.91	6.18	≤30	PASS
	39	8.32	6.79	≤30	PASS

Test Graphs

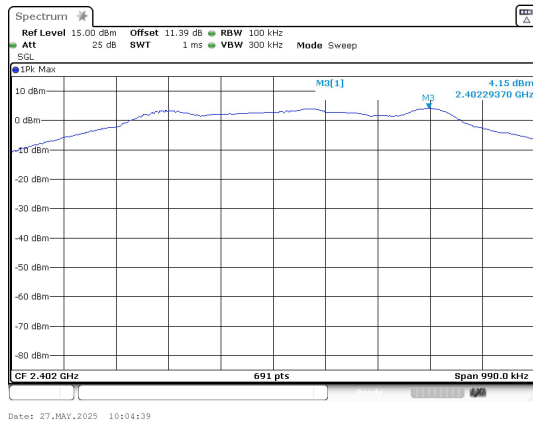


5) Conducted Out Of Band Emission

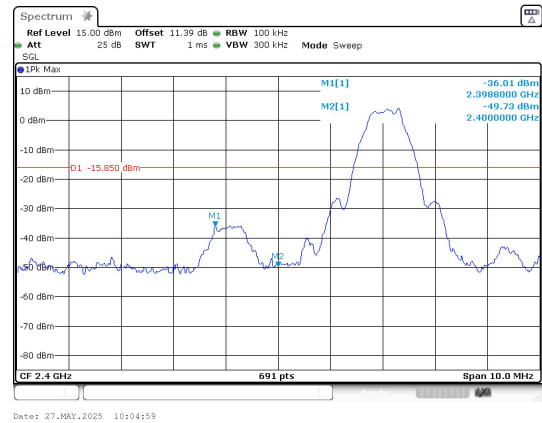
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2248.60	-48.250	-15.85	-32.400	PASS
		2398.80	-36.013	-15.85	-20.163	PASS
		2400.00	-49.730	-15.85	-33.880	PASS
	19	2632.29	-47.756	-15.63	-32.126	PASS
		2288.54	-46.211	-15.08	-31.131	PASS
		2483.50	-47.500	-15.08	-32.420	PASS

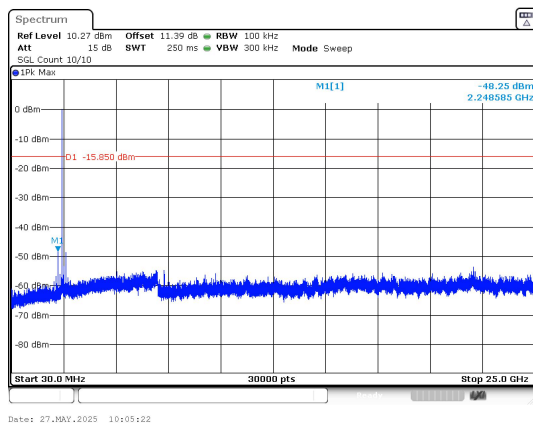
Test Graphs



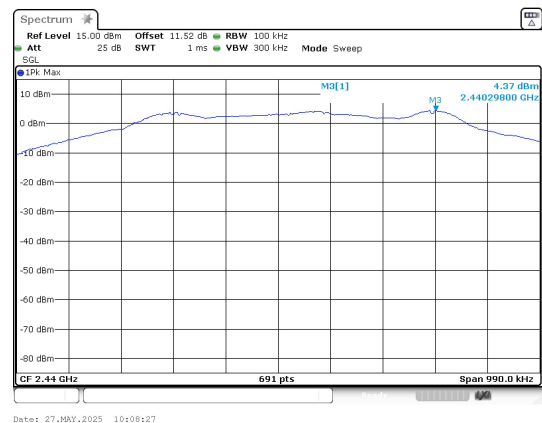
In-Band Reference Level
BLE 1M_Channel 0



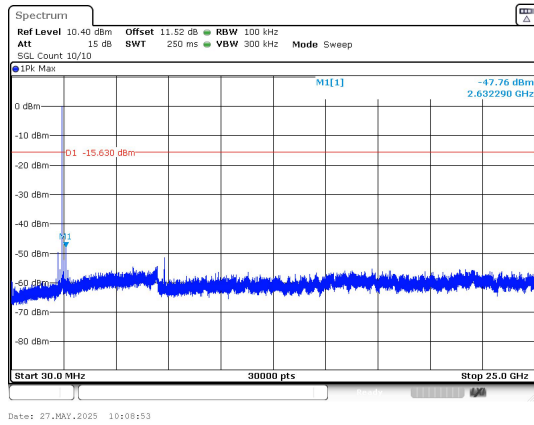
Out Of Band Emission
BLE 1M_Channel 0



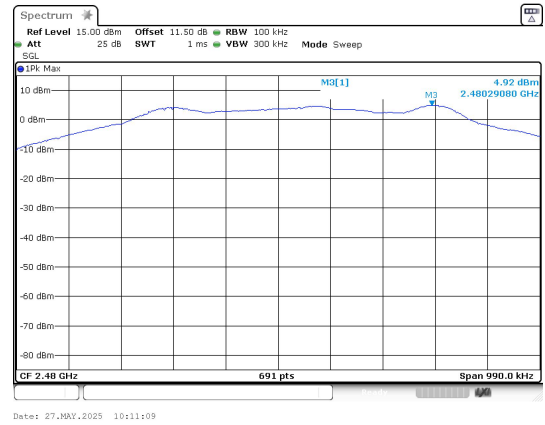
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



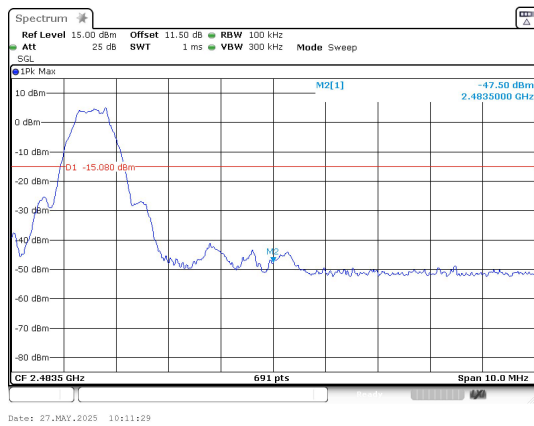
In-Band Reference Level
BLE 1M_Channel 19



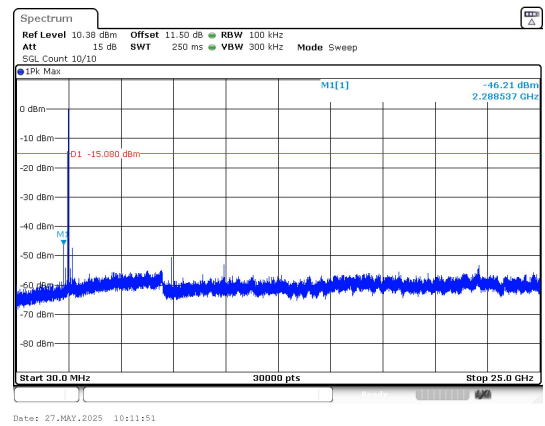
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



In-Band Reference Level
BLE 1M_Channel 39



Out Of Band Emission
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39

-----End of the report-----