Appendix

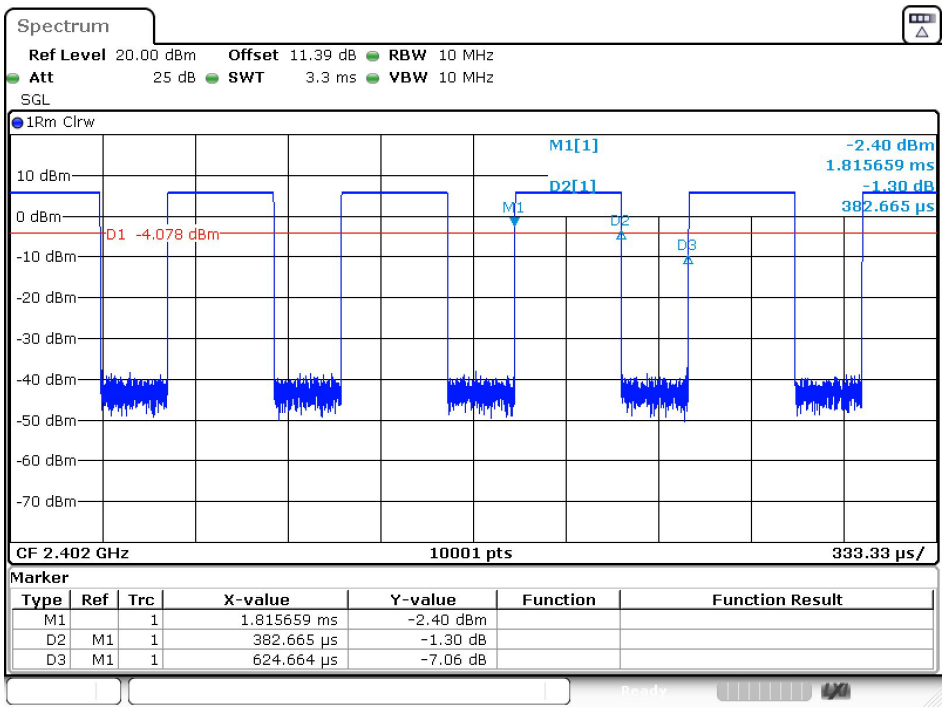
Report No.:	CISRR24112214308
FCC ID:	2BME5-D8
Product Name:	Handheld Translation Device
Model No.:	D8
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Duty Cycle

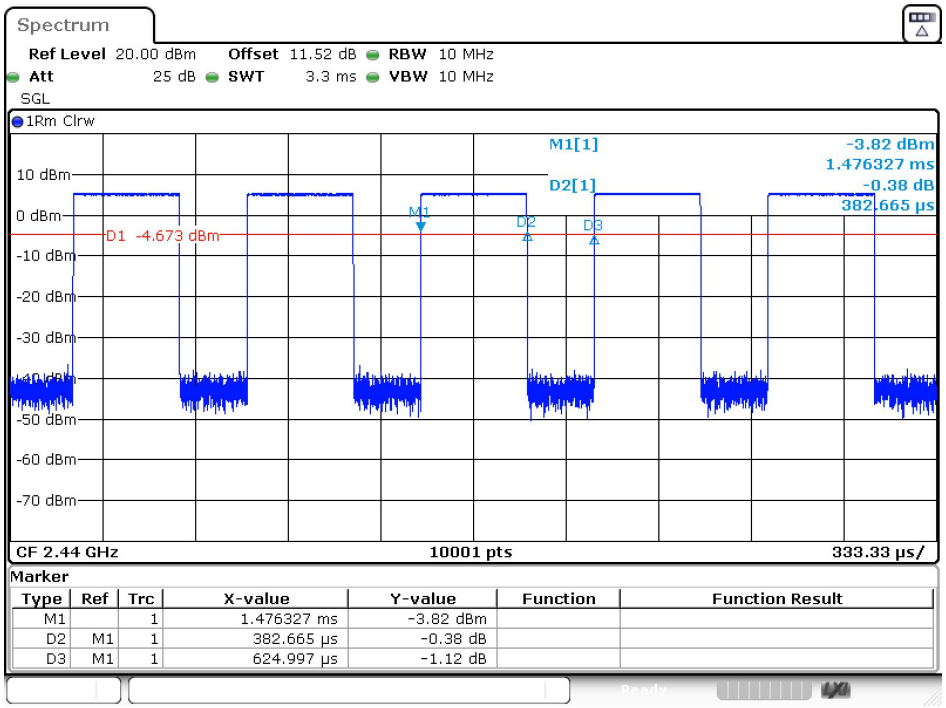
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	0.383	0.625	61.26	0.6126	2.1282	2.6110
	19	0.383	0.625	61.23	0.6123	2.1304	2.6110
	39	0.383	0.625	61.23	0.6123	2.1304	2.6110

Test Graphs

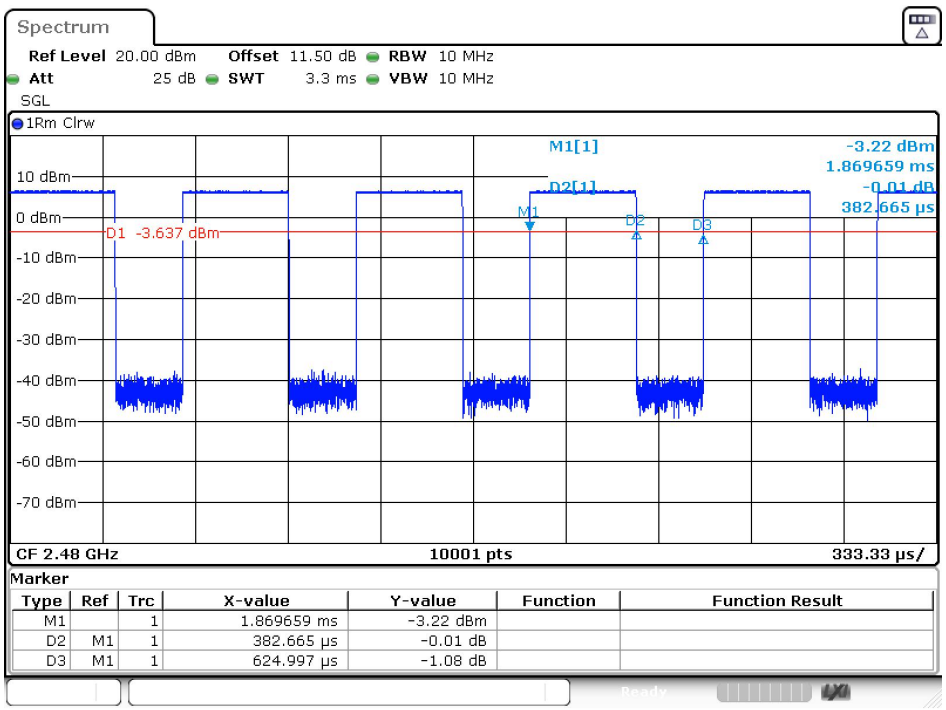


BLE 1M_Channel 0



Date: 29.NOV.2024 14:09:45

BLE 1M_Channel 19



Date: 29.NOV.2024 14:12:01

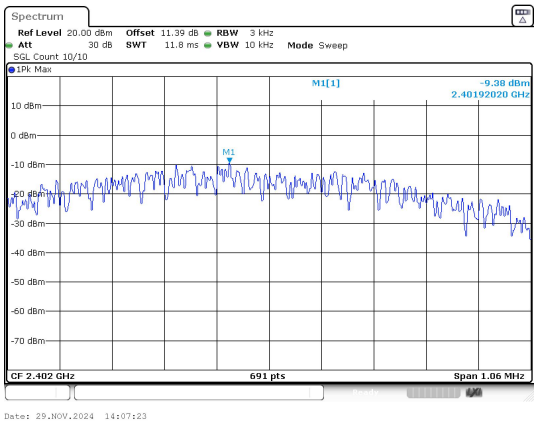
BLE 1M_Channel 39

2) Power Spectral Density

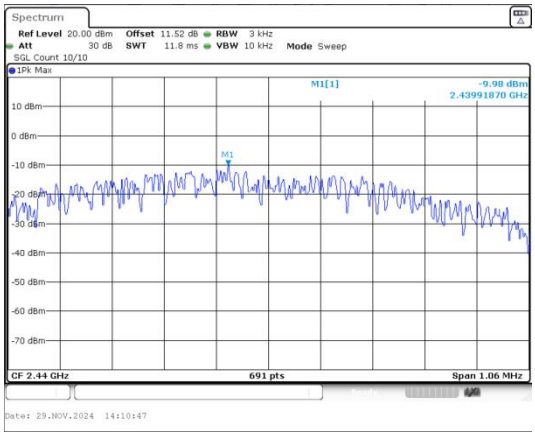
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-9.380	≤8	PASS
BLE 1M	19	-9.980	≤8	PASS
BLE 1M	39	-9.350	≤8	PASS

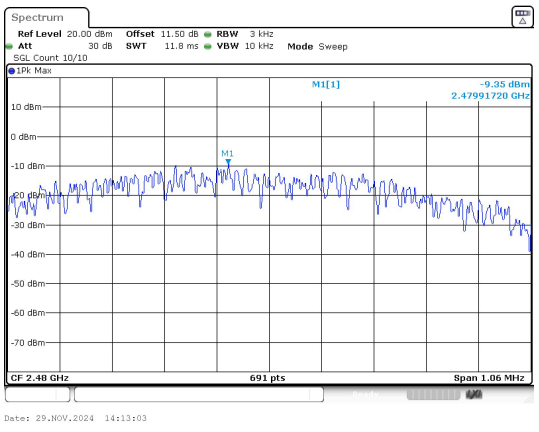
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



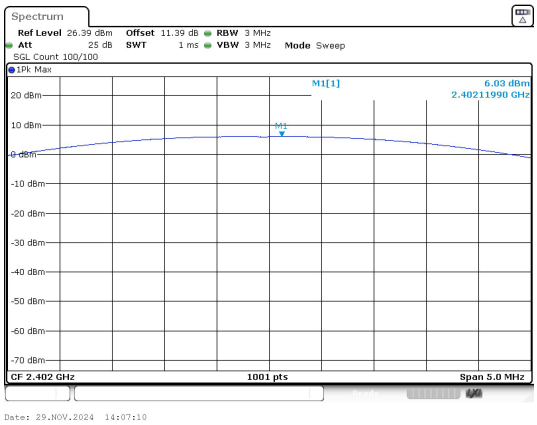
BLE 1M_Channel 39

3) Conducted Output Power

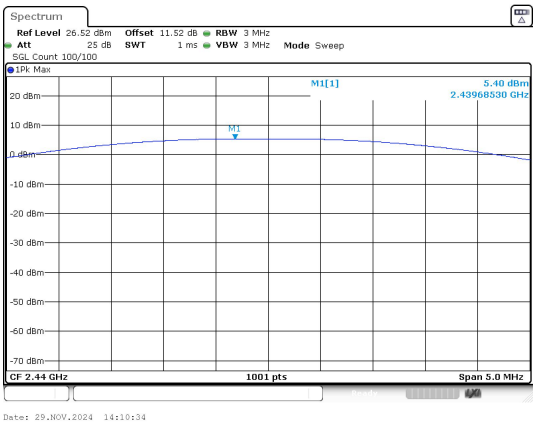
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	6.03	4.01	≤30	PASS
	19	5.40	3.47	≤30	PASS
	39	6.46	4.43	≤30	PASS

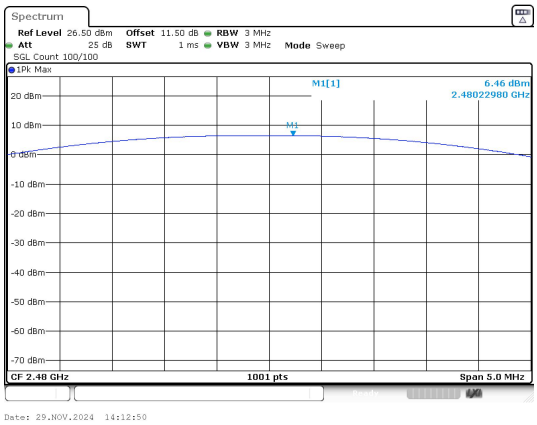
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



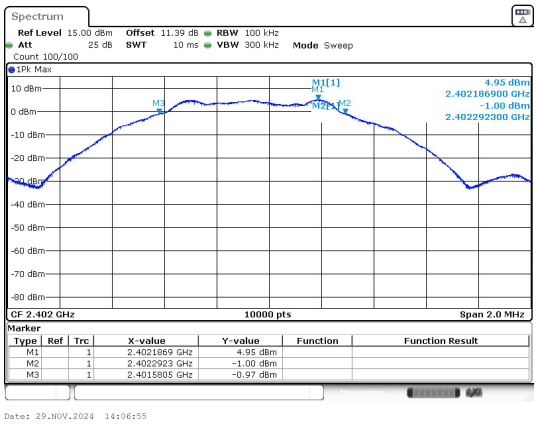
Peak Output Power
BLE 1M_Channel 39

4) 6dB Bandwidth

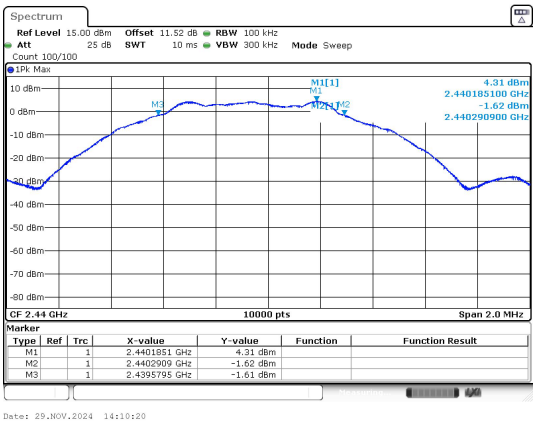
Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.7100	≥0.5	PASS
	19	2440	0.7100		PASS
	39	2480	0.7100		PASS

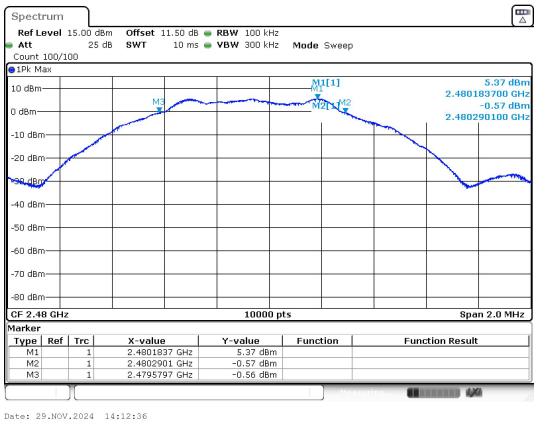
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



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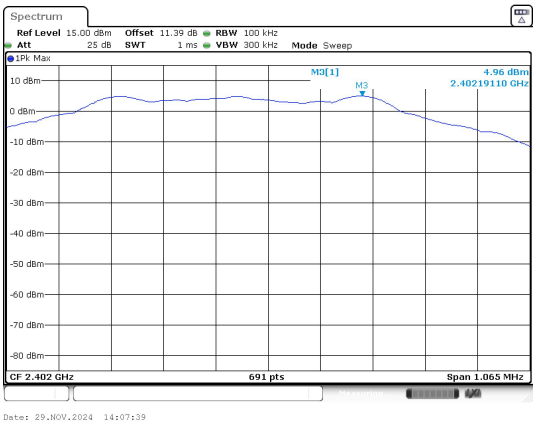
5) Conducted Out Of Band Emission

Test Result

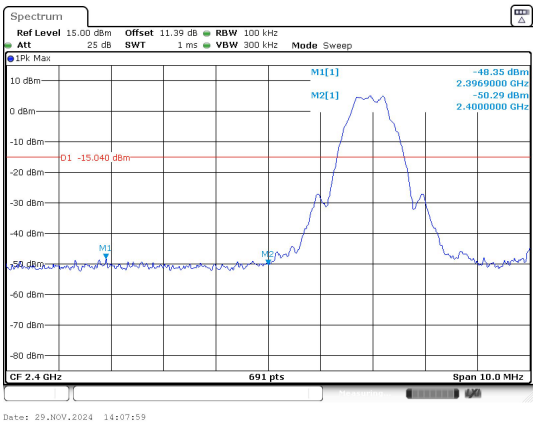
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	1740.90	-45.131	-15.04	-30.091	PASS
		2396.90	-48.351	-15.04	-33.311	PASS
		2400.00	-50.290	-15.04	-35.250	PASS
	19	5179.23	-52.183	-15.68	-36.503	PASS
	39	2483.50	-50.390	-14.62	-35.770	PASS
		6907.99	-52.718	-14.62	-38.098	PASS

Test Graphs



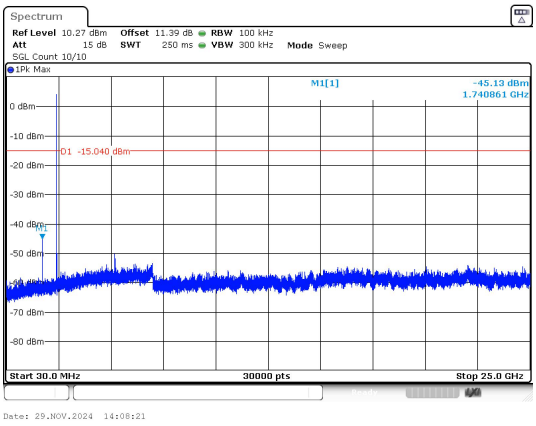
In-Band Reference Level

BLE 1M_Channel 0



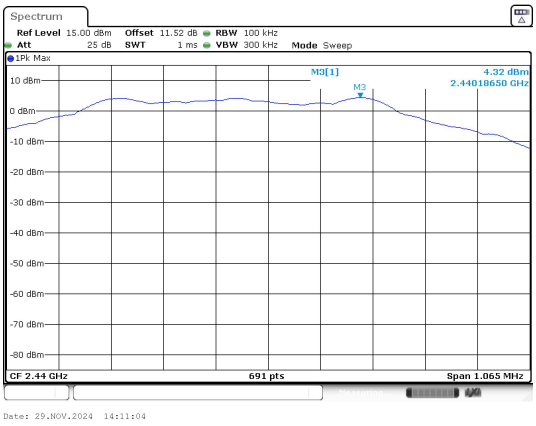
Out Of Band Emission

BLE 1M_Channel 0



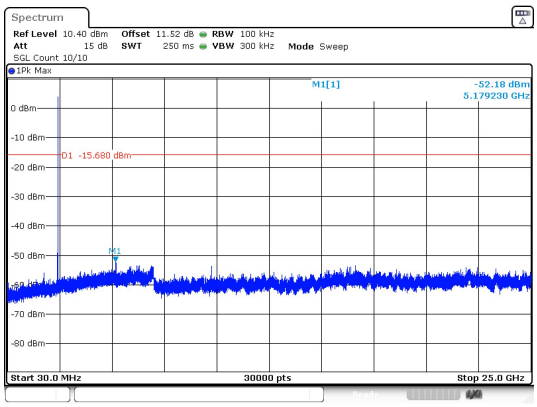
30.0 MHz - 25000.0 MHz

BLE 1M_Channel 0



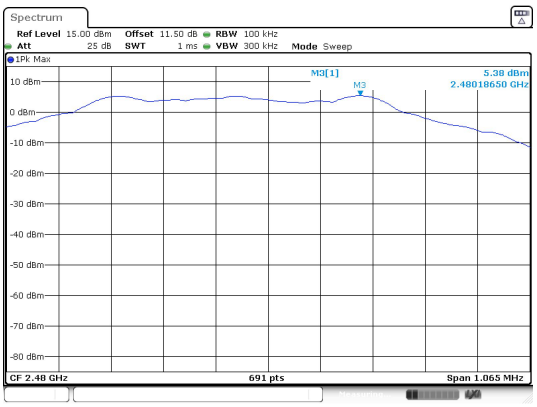
In-Band Reference Level

BLE 1M_Channel 19



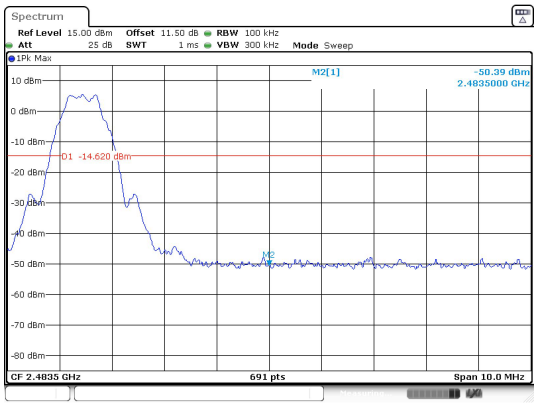
30.0 MHz - 25000.0 MHz

BLE 1M_Channel 19



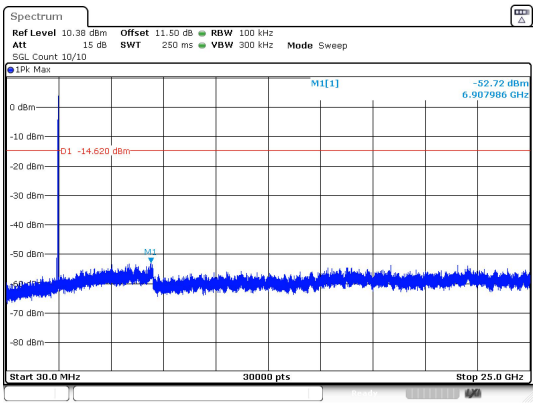
In-Band Reference Level

BLE 1M_Channel 39



Out Of Band Emission

BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz

BLE 1M_Channel 39

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