

## Appendix B

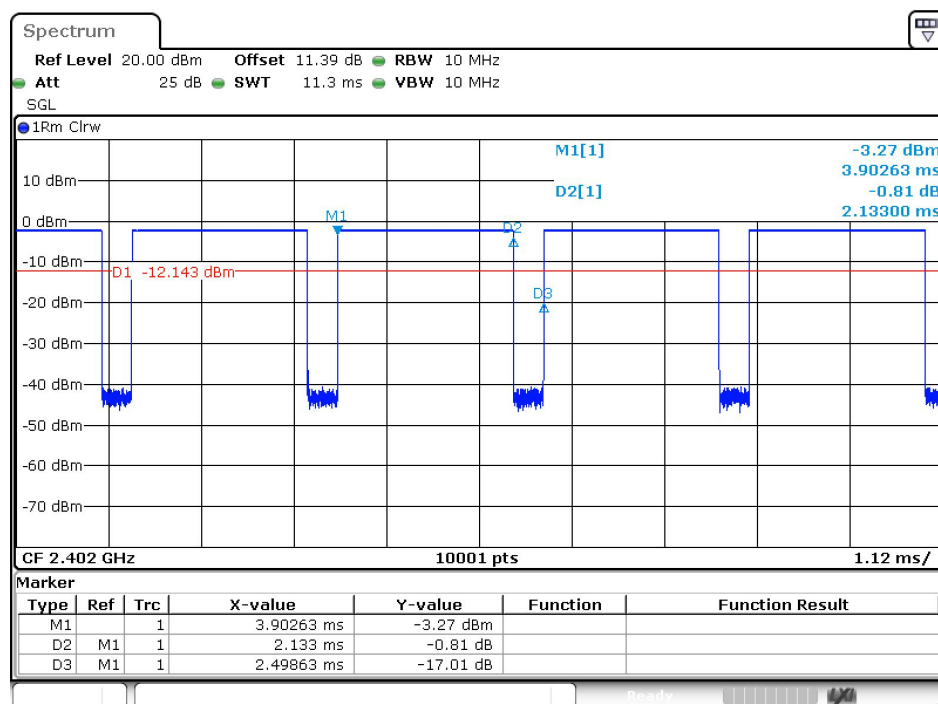
Report No.:	CISRR24090301002
FCC ID:	2BFQI-MK68
Product Name:	keyboard
Model No.:	MK68
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

## 1) Duty Cycle

### Test Result

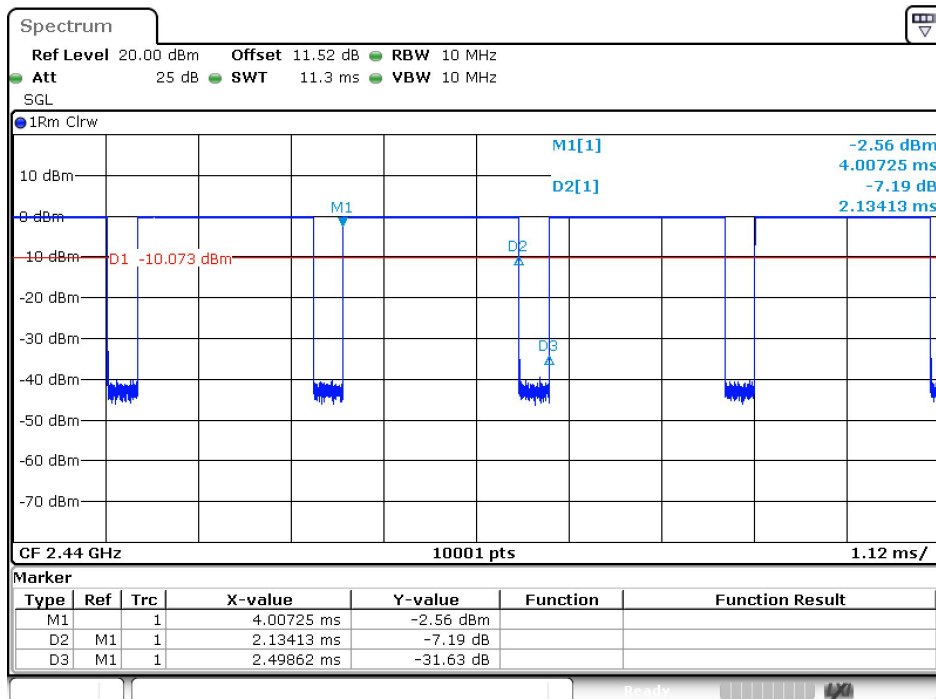
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.133	2.499	85.37	0.8537	0.6869	0.47
	19	2.134	2.499	85.41	0.8541	0.6849	0.47
	39	2.134	2.499	85.41	0.8541	0.6849	0.47

### Test Graphs



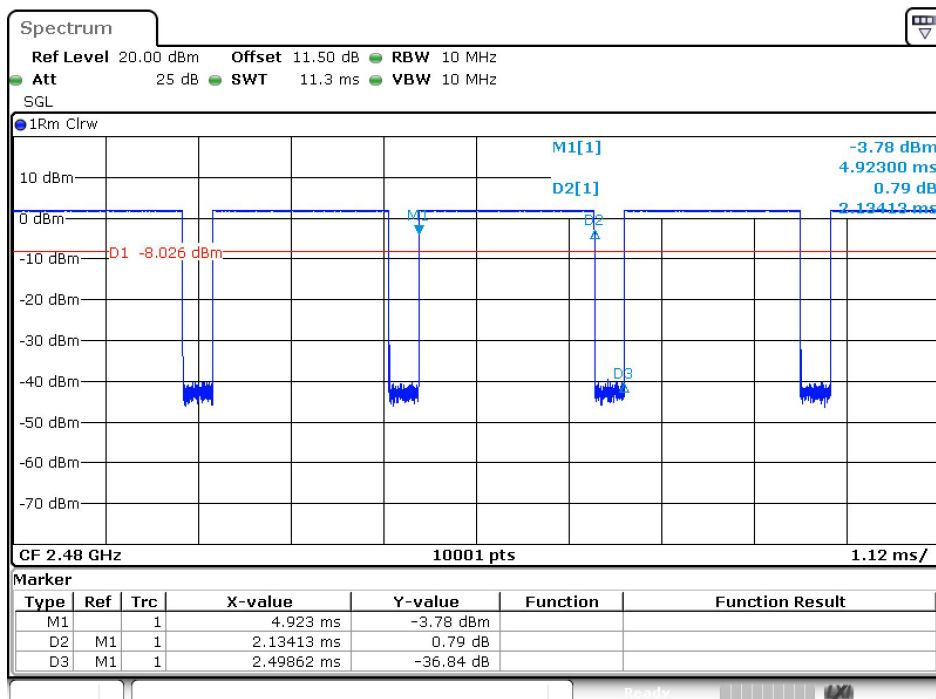
Date: 6.SEP.2024 09:24:26

BLE 1M\_Channel 0



Date: 6.SEP.2024 09:28:41

### BLE 1M\_Channel 19



Date: 6.SEP.2024 09:31:41

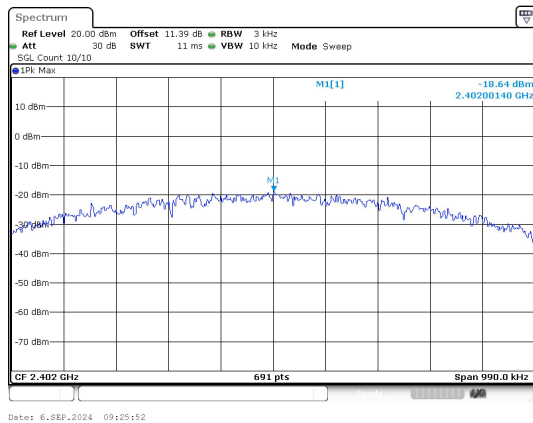
### BLE 1M\_Channel 39

## 2) Power Spectral Density

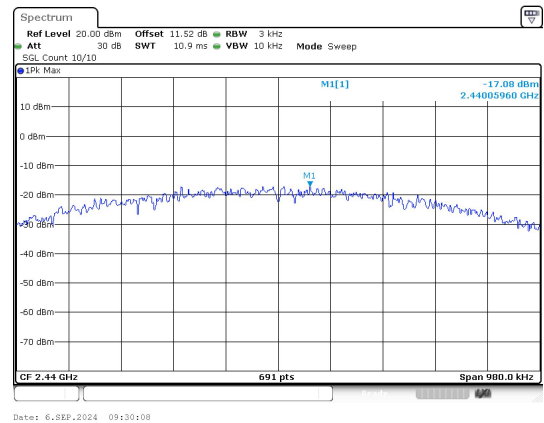
### Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-18.64	≤8	PASS
BLE 1M	19	-17.09	≤8	PASS
BLE 1M	39	-15.44	≤8	PASS

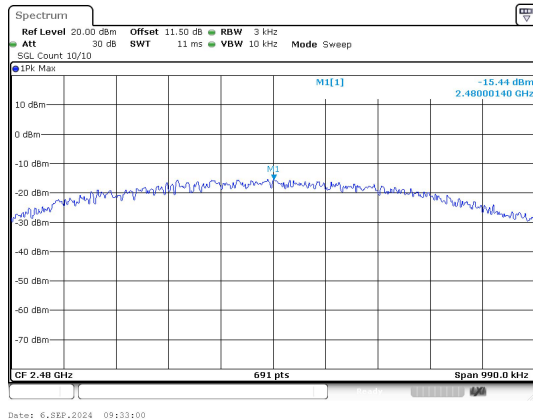
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



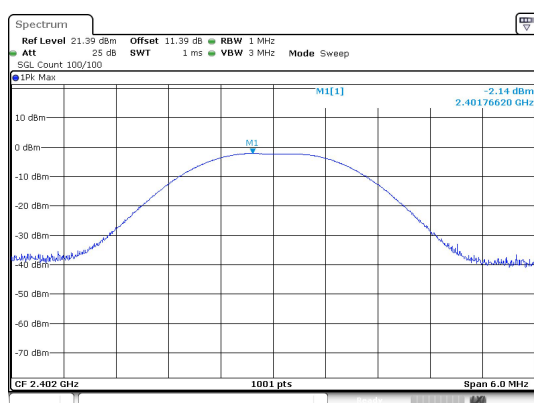
BLE 1M\_Channel 39

### 3) Conducted Peak Output Power

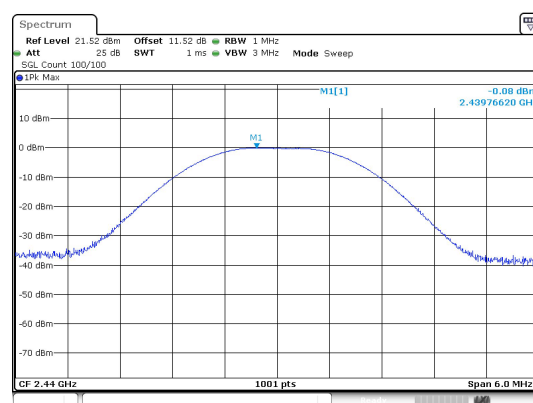
#### Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-2.14	0.61	≤30	PASS
	19	-0.08	0.98	≤30	PASS
	39	2.00	1.58	≤30	PASS

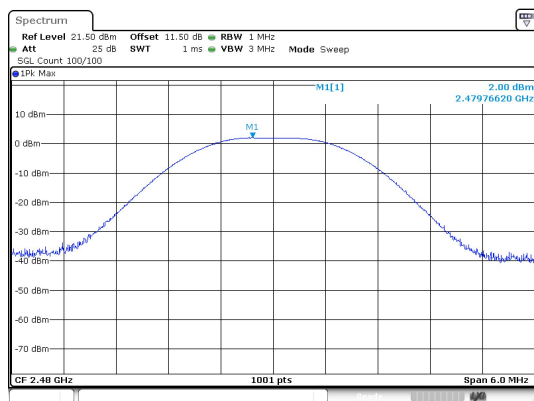
#### Test Graphs



Peak Output Power  
BLE 1M\_Channel 0



Peak Output Power  
BLE 1M\_Channel 19



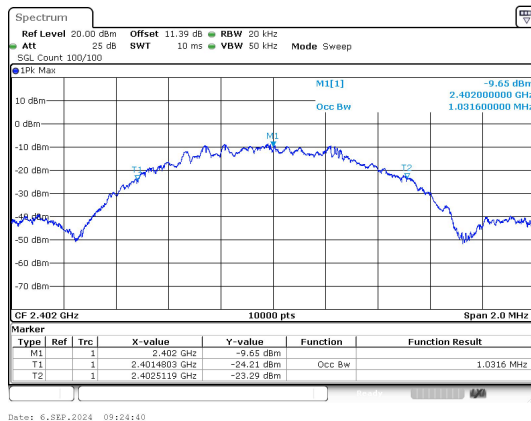
Peak Output Power  
BLE 1M\_Channel 39

## 4) 99% Bandwidth

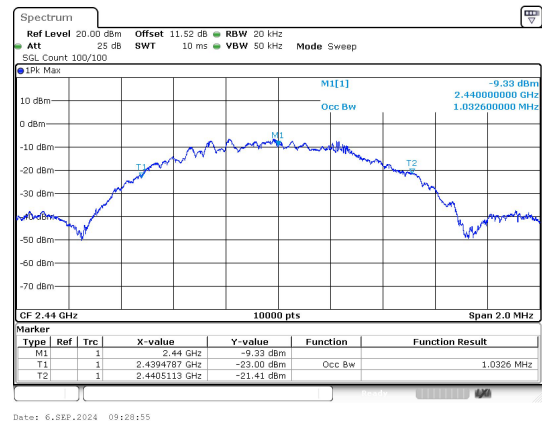
### Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0316
BLE 1M	19	2440	1.0326
BLE 1M	39	2480	1.0324

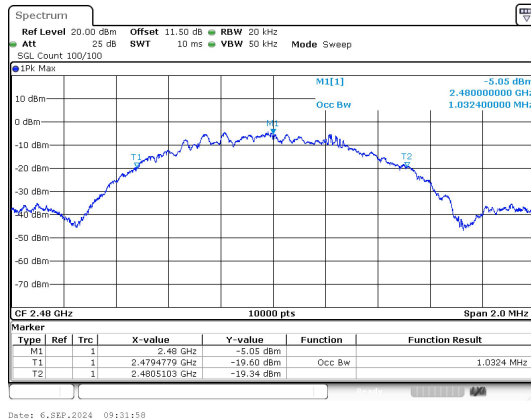
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



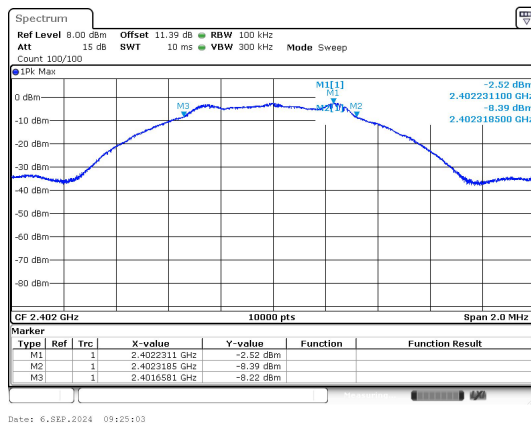
BLE 1M\_Channel 39

## 5) 6dB Bandwidth

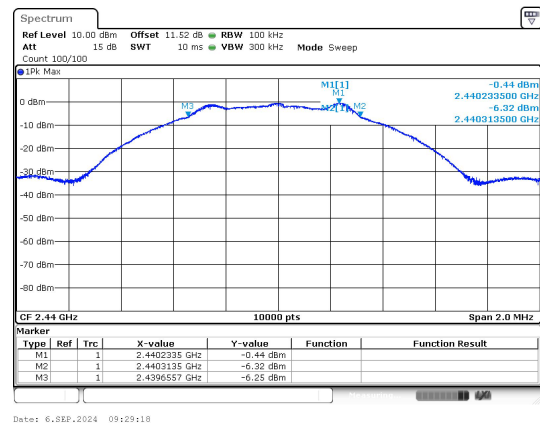
### Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6500		PASS
	39	2480	0.6600		PASS

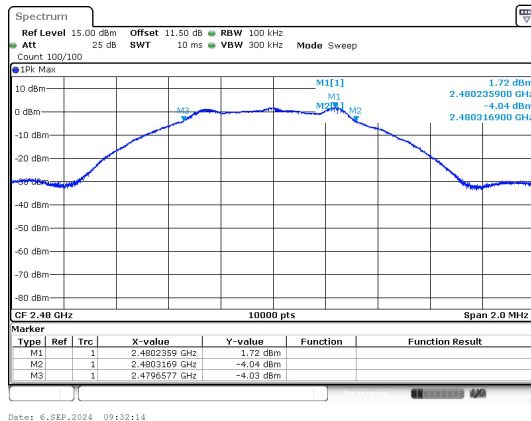
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



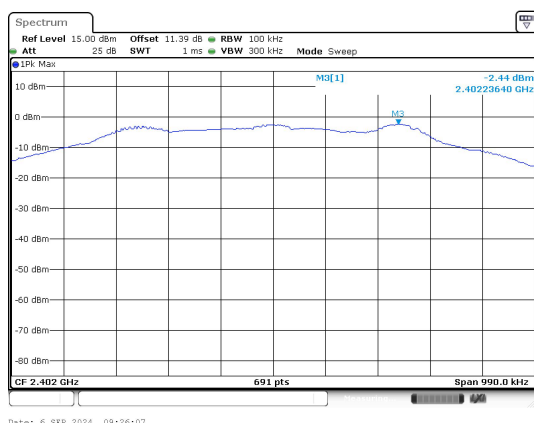
BLE 1M\_Channel 39

## 6) Conducted Out Of Band Emission

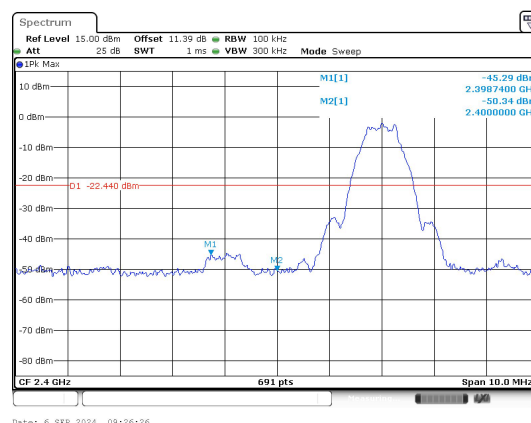
### Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.74	-45.293	-22.44	-22.853	PASS
		2400.00	-50.342	-22.44	-27.902	PASS
		9602.20	-45.801	-22.44	-23.361	PASS
	19	9753.73	-45.452	-20.35	-25.102	PASS
	39	2483.50	-49.390	-18.28	-31.110	PASS
		2527.42	-43.588	-18.28	-25.308	PASS

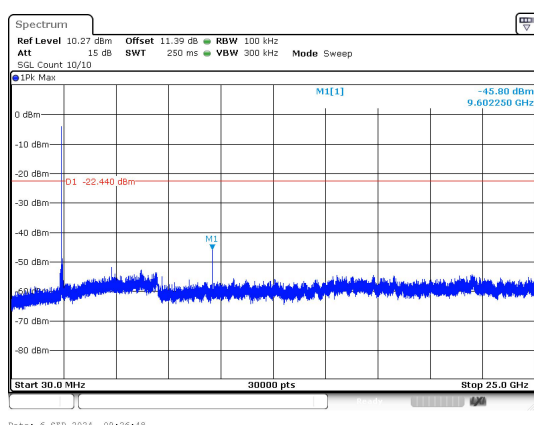
### Test Graphs



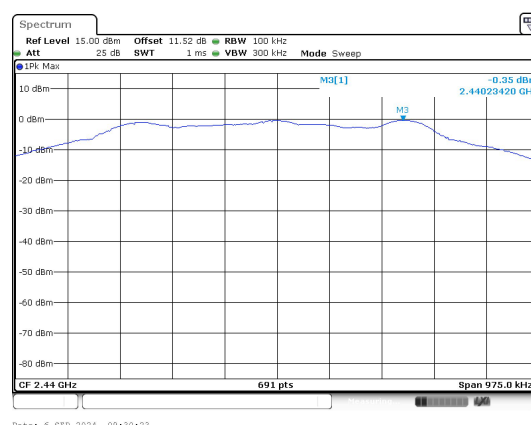
**In-Band Reference Level**  
**BLE 1M\_Channel 0**



**Out Of Band Emission**  
**BLE 1M\_Channel 0**

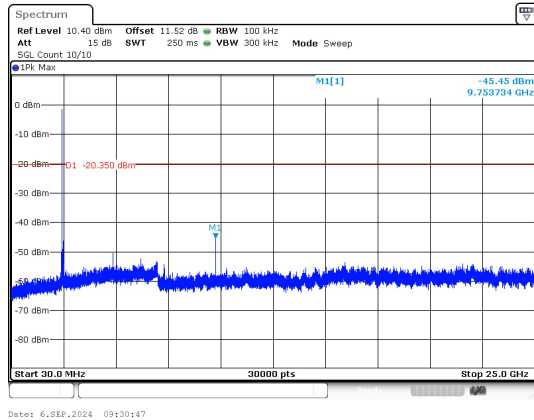


**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 0**

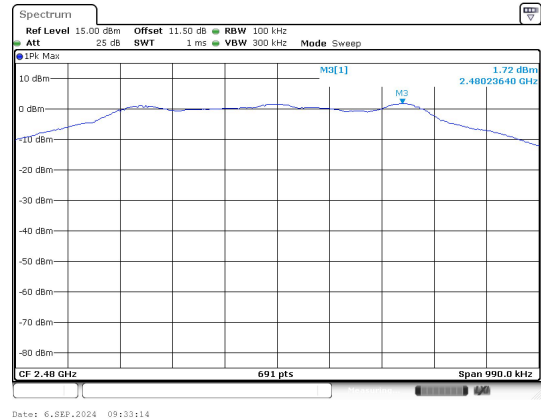


**In-Band Reference Level**  
**BLE 1M\_Channel 19**

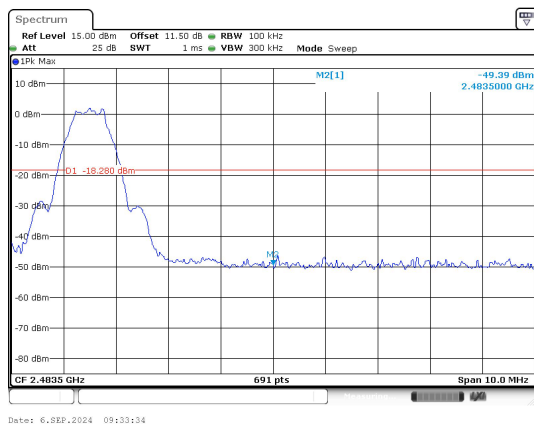




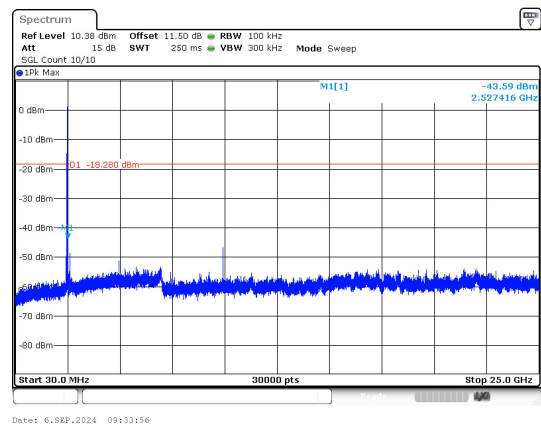
30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 19



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