

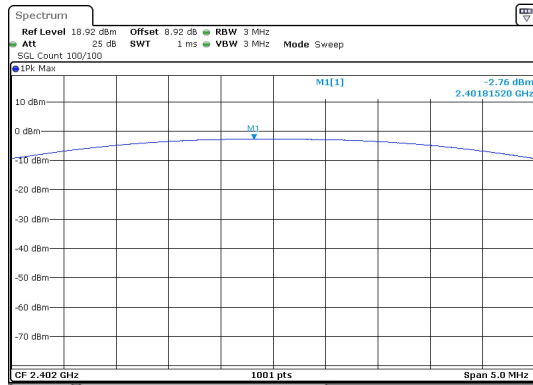
Appendix A

Report No.:	CISRR240513023
FCC ID:	2BFQI-V3
Product Name:	keyboard
Model No.:	V3
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

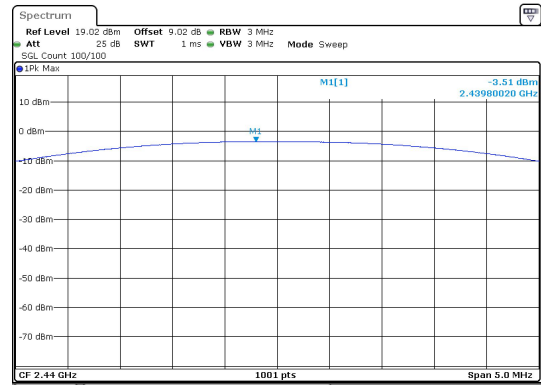
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	LE	0	-2.76	0.53	30	PASS
		19	-3.51	0.45		PASS
		39	-2.79	0.53		PASS



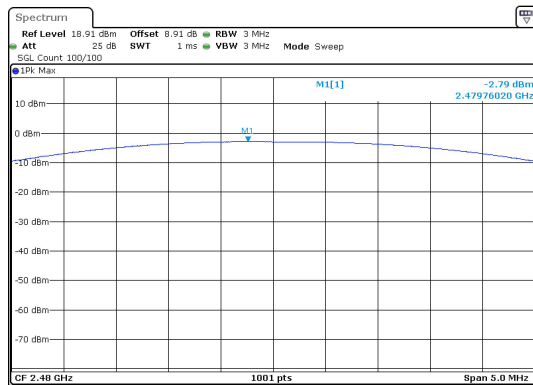
Date: 21.JUN.2024 19:18:09

Peak Output Power
BLE 1M_Channel 0



Date: 21.JUN.2024 19:20:57

Peak Output Power
BLE 1M_Channel 19



Date: 21.JUN.2024 19:23:12

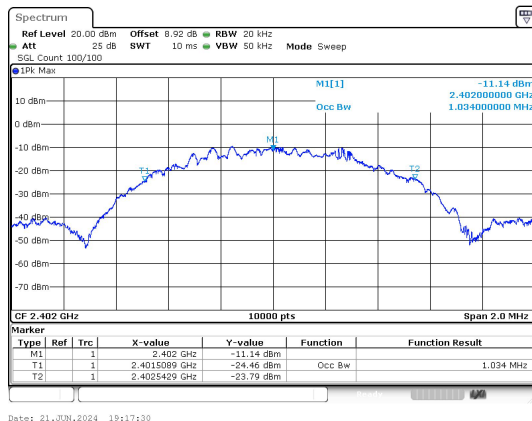
Peak Output Power
BLE 1M_Channel 39

2) 99% Bandwidth

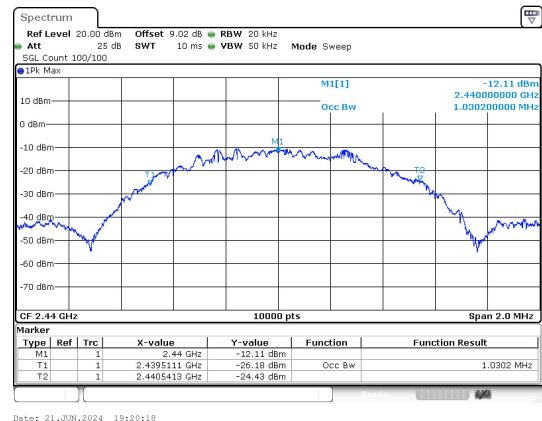
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0340
BLE 1M	19	2440	1.0302
BLE 1M	39	2480	1.0356

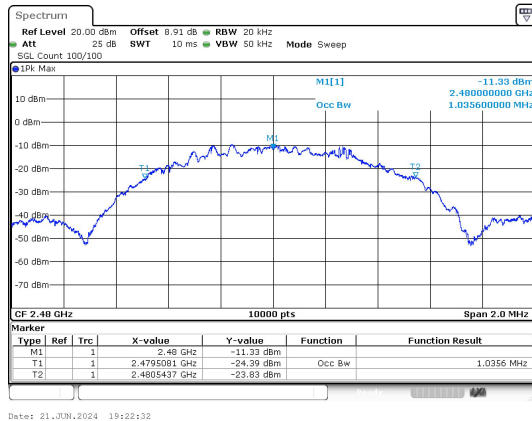
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



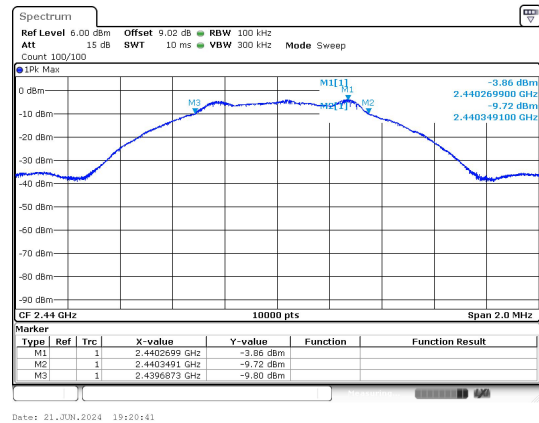
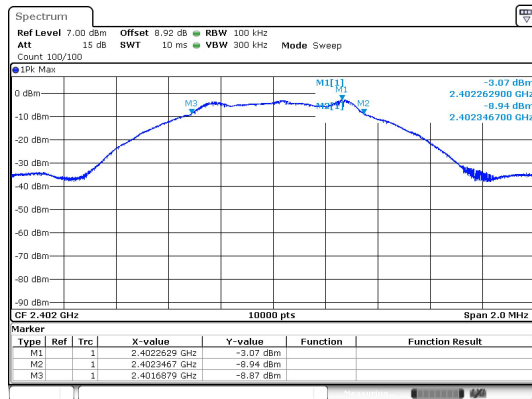
BLE 1M_Channel 39

3) 6dB Bandwidth

Test Result

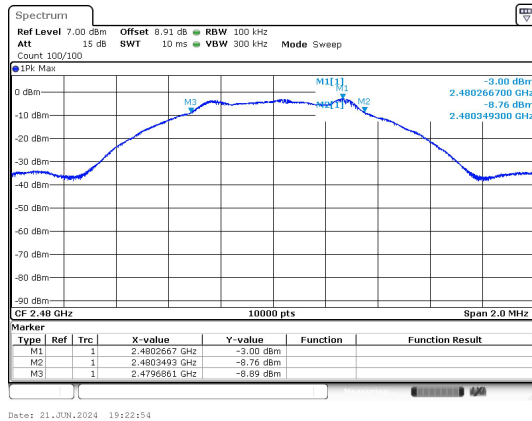
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS

Test Graphs



BLE 1M_Channel 0

BLE 1M_Channel 19



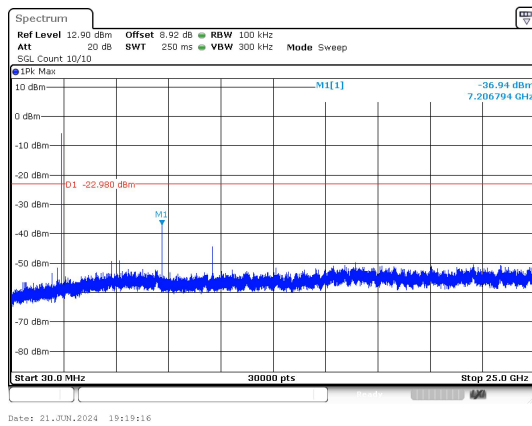
BLE 1M_Channel 39

4) Conducted Out Of Band Emission

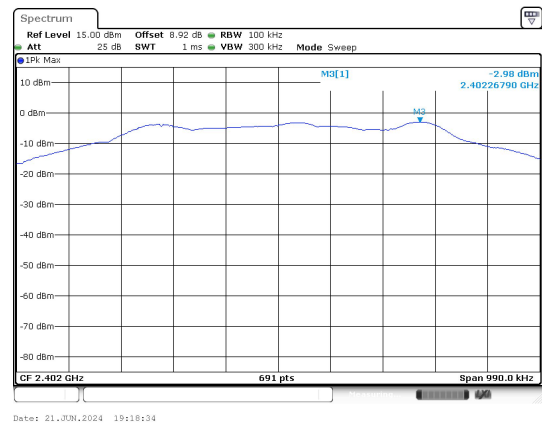
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-44.918	-22.98	-21.938	PASS
		2400.00	-52.451	-22.98	-29.471	PASS
		7206.80	-36.942	-22.98	-13.962	PASS
	19	7319.16	-40.167	-23.76	-16.407	PASS
	39	2483.50	-49.862	-23.08	-26.782	PASS
		9914.37	-39.570	-23.08	-16.490	PASS

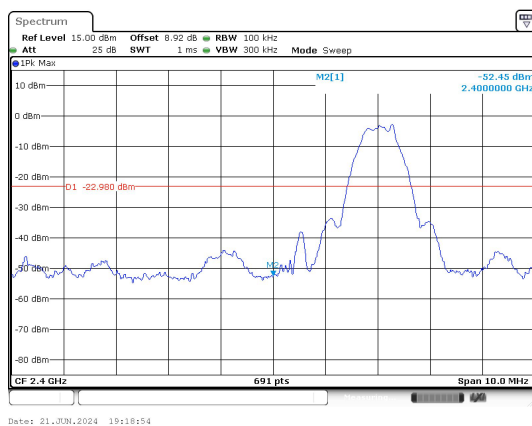
Test Graphs



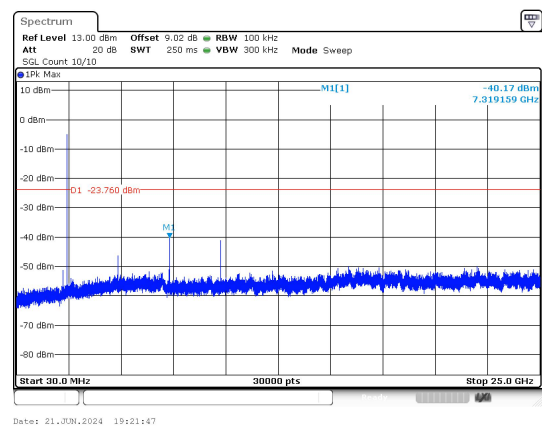
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



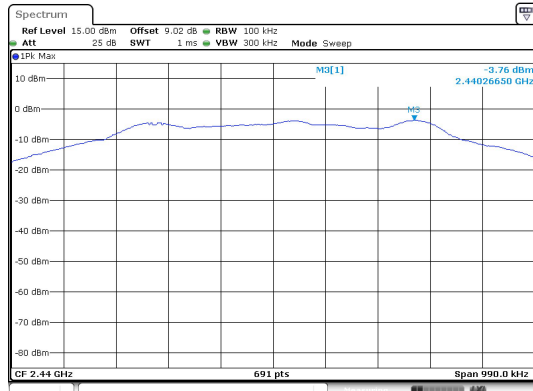
In-Band Reference Level
BLE 1M_Channel 0



Out Of Band Emission
BLE 1M_Channel 0

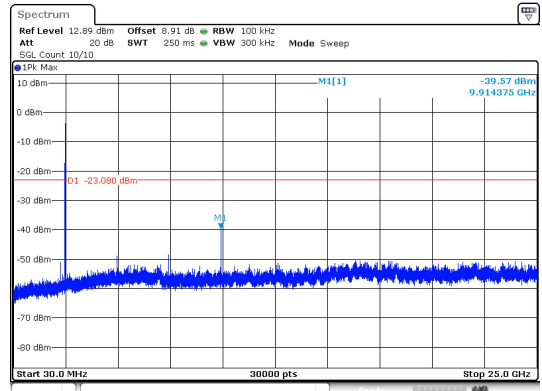


30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



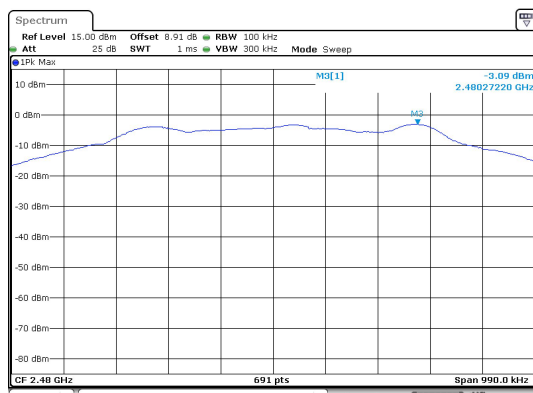
Date: 21.JUN.2024 19:21:23

In-Band Reference Level
BLE 1M_Channel 19



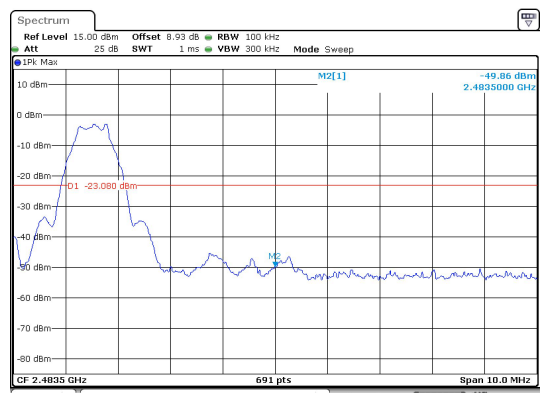
Date: 21.JUN.2024 19:24:19

30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39



Date: 21.JUN.2024 19:23:38

In-Band Reference Level
BLE 1M_Channel 39



Date: 21.JUN.2024 19:23:57

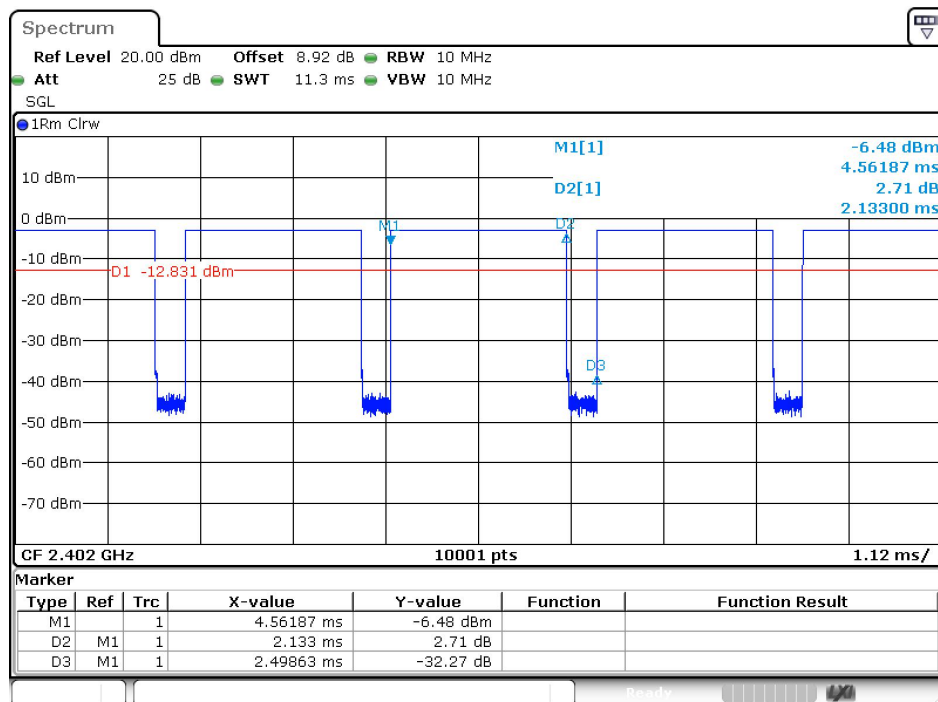
Out Of Band Emission
BLE 1M_Channel 39

5) Duty Cycle

Test Result

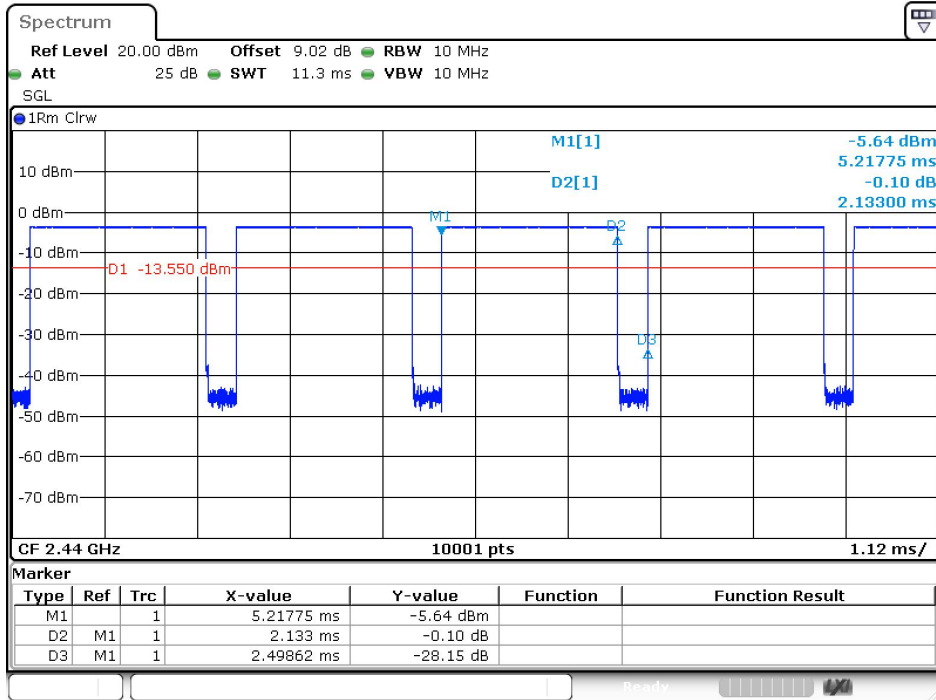
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.133	2.499	85.37	0.8537	0.6869	0.47
	19	2.133	2.499	85.37	0.8537	0.6869	0.47
	39	2.134	2.500	85.37	0.8537	0.6869	0.47

Test Graphs



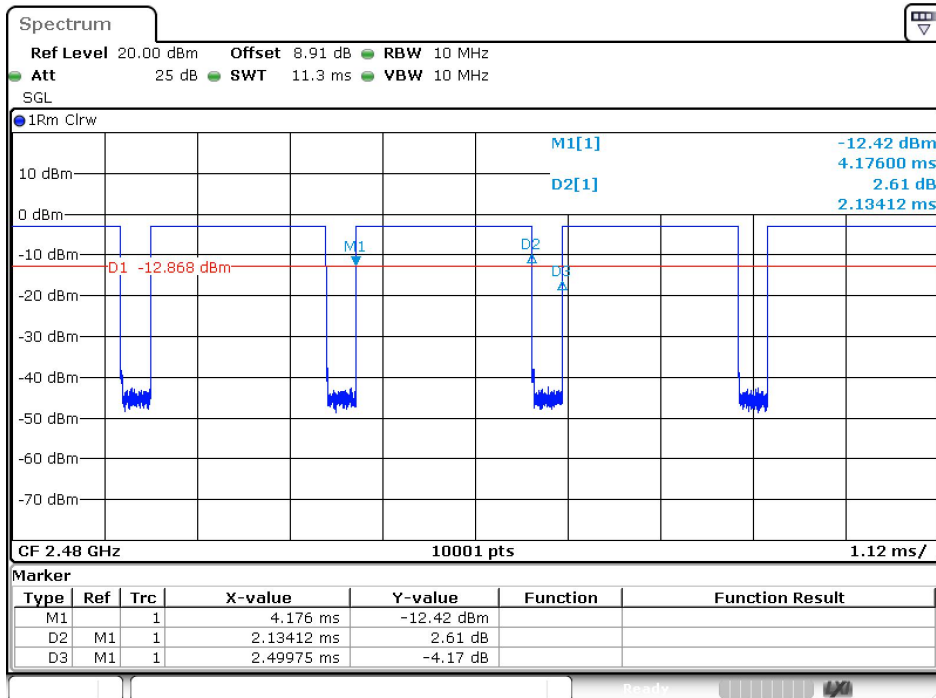
Date: 21.JUN.2024 19:17:15

BLE 1M_Channel 0



Date: 21.JUN.2024 19:20:04

BLE 1M_Channel 19



Date: 21.JUN.2024 19:22:17

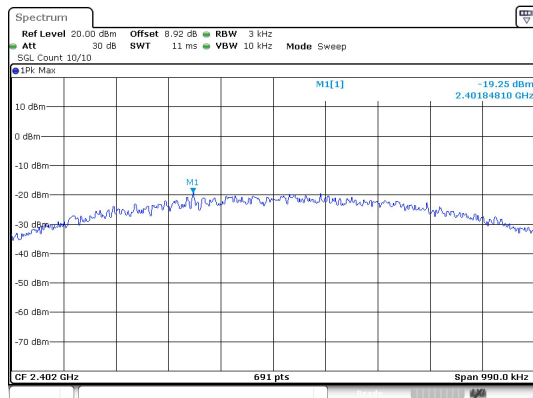
BLE 1M_Channel 39

6) Power Spectral Density

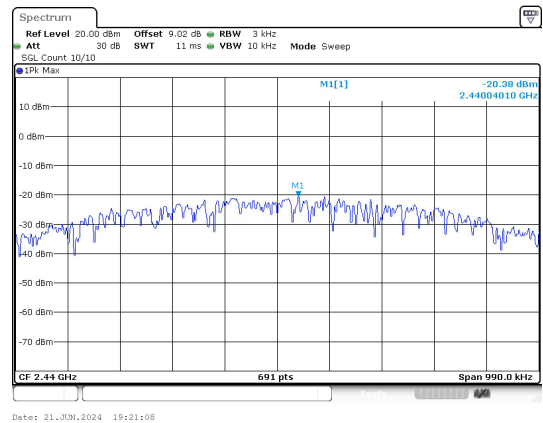
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-19.253	≤8	PASS
BLE 1M	19	-20.379	≤8	PASS
BLE 1M	39	-19.689	≤8	PASS

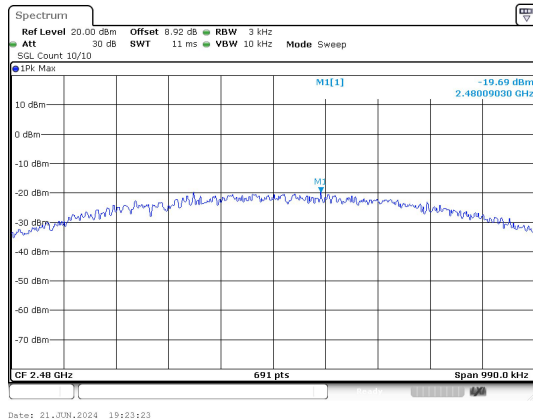
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



BLE 1M_Channel 39