



Keyway Testing Technology (Guangdong) Co., Ltd
Room 2102,Building 6,Dongyi Intelligent Equipment New Energy Vehicle Park,N.30
of Tangxia District,Dongshen Road,Tangxia Town,Dongguan City,Guangdong,China

E.U.T:	OWS Bluetooth Headphones
Model Number:	MLF-M018
Trade Name:	MLF
Date of Receipt:	Aug 26, 2025
Date of Test:	Aug 26 ~ Sep 17, 2025
FCC ID:	2BRZO-MLF-M018

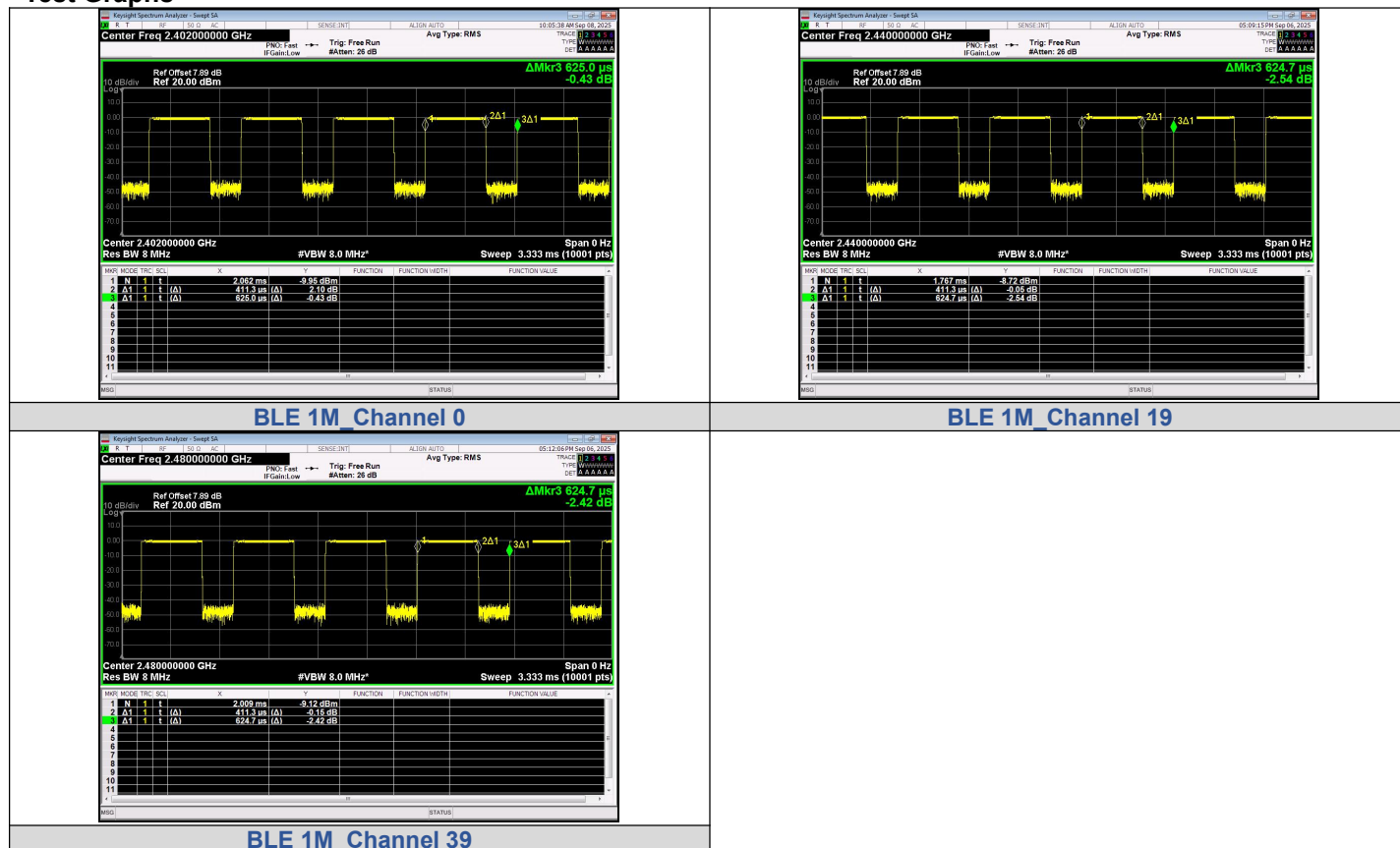


A.1 DUTY CYCLE

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	0.411	0.625	65.81	0.6581	1.8171	2.4331
	19	0.411	0.625	65.85	0.6585	1.8144	2.4331
	39	0.411	0.625	65.85	0.6585	1.8144	2.4331

Test Graphs





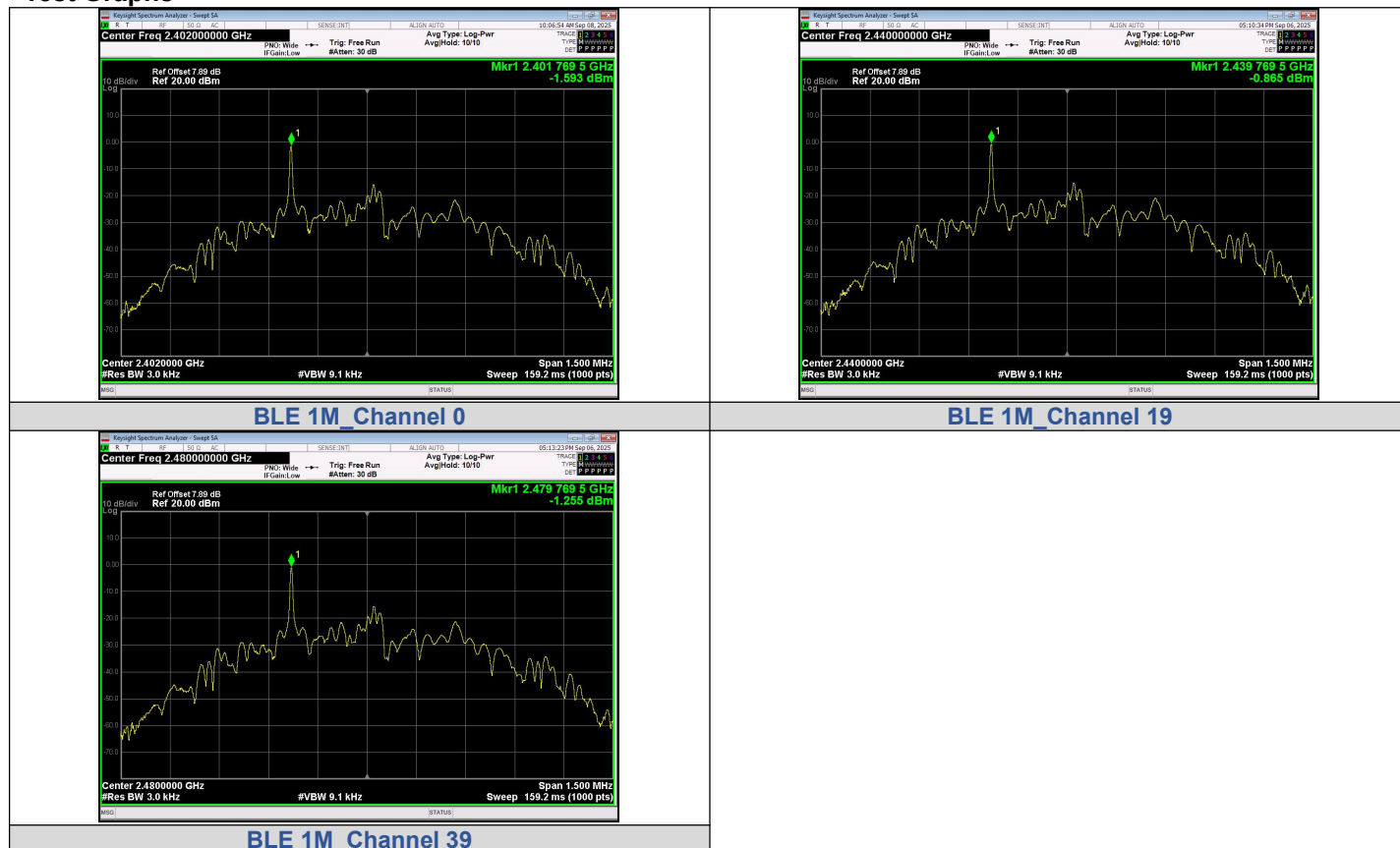
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A.2 POWER SPECTRAL DENSITY

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-1.593	≤8	PASS
BLE 1M	19	-0.865	≤8	PASS
BLE 1M	39	-1.255	≤8	PASS

Test Graphs





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A.3 CONDUCTED PEAK OUTPUT POWER

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	-0.19	0.96	None	≤30	PASS
	19	0.47	1.11	None	≤30	PASS
	39	0.12	1.03	None	≤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



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A.4 99% BANDWIDTH

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	0.95653
BLE 1M	19	2440	0.95978
BLE 1M	39	2480	0.95816

Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



BLE 1M_Channel 39



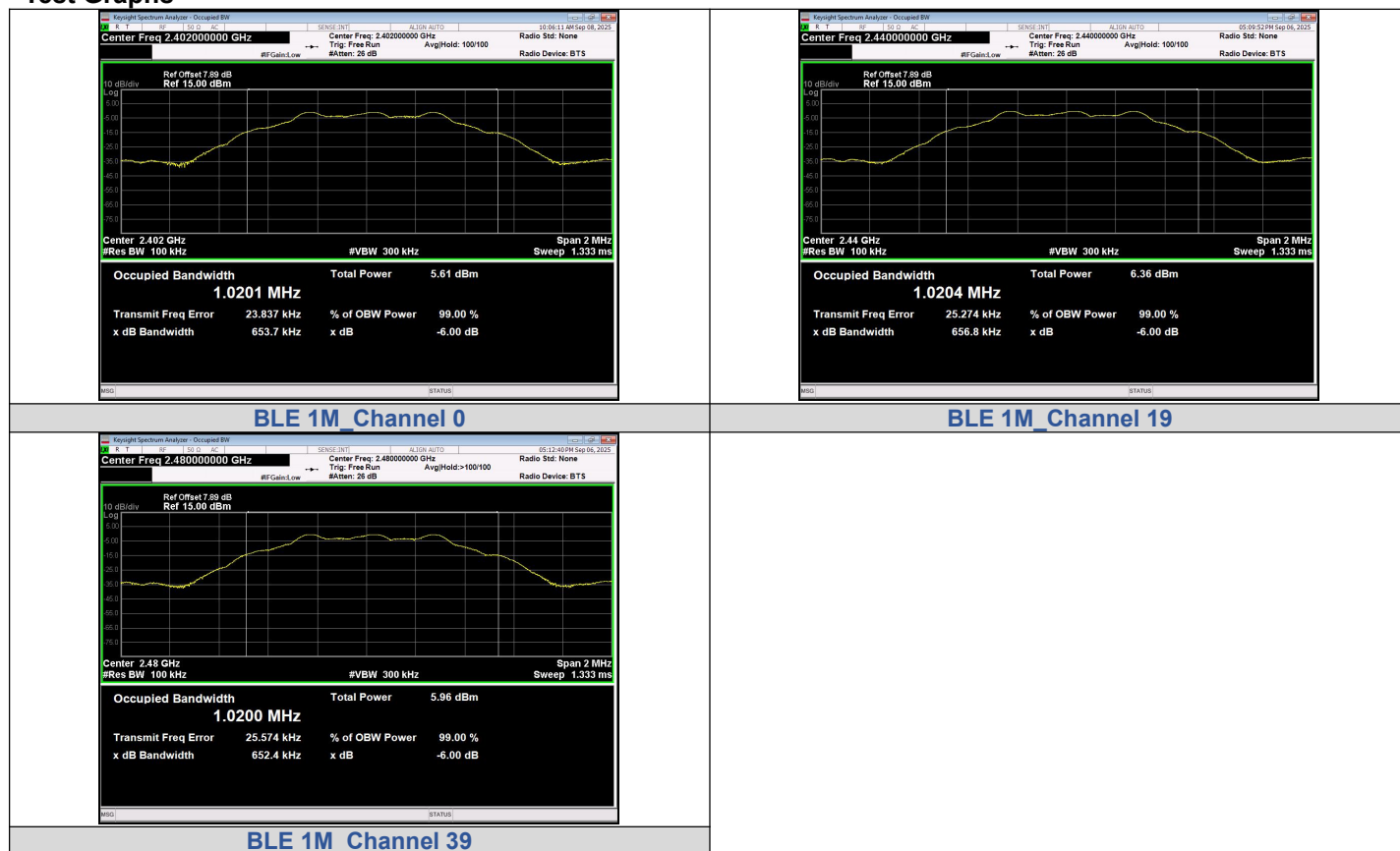
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A.5 6DB BANDWIDTH

Test Result

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

Test Graphs





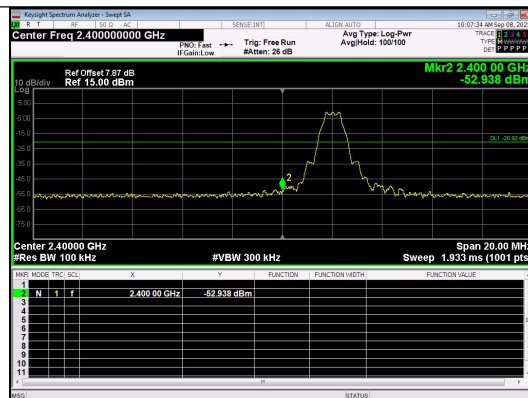
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A.6 CONDUCTED OUT OF BAND EMISSION

Test Result

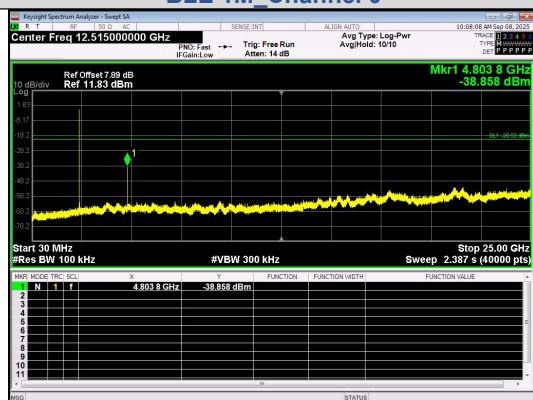
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-52.940	-20.92	-32.020	PASS
		4803.76	-38.858	-20.92	-17.938	PASS
	19	4879.30	-38.560	-20.23	-18.330	PASS
	39	2483.50	-56.020	-20.58	-35.440	PASS
		4959.83	-39.503	-20.58	-18.923	PASS

Test Graphs



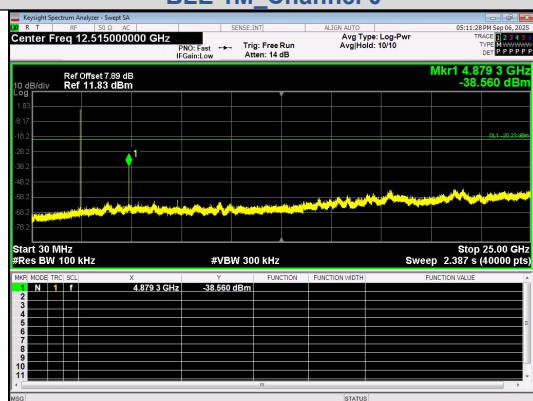
In-Band Reference Level
BLE 1M_Channel 0

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

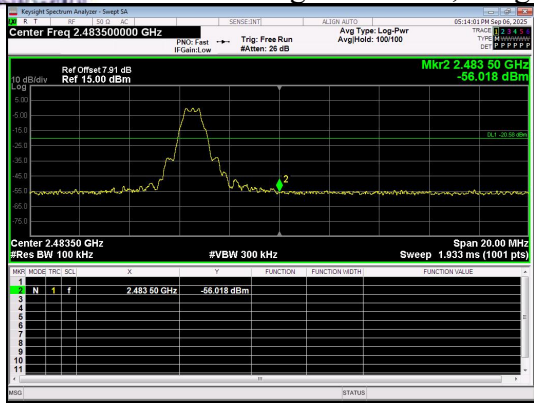


30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19

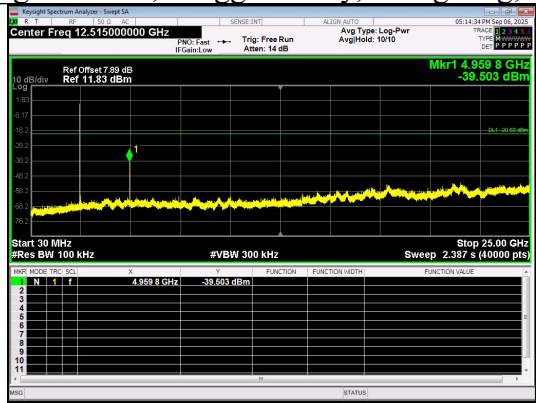
In-Band Reference Level
BLE 1M_Channel 39



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Out Of Band Emission
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39