



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-M007
Trade Name:	MLF
Date of Receipt:	Aug 26, 2025
Date of Test:	Aug 26 ~ Sep 25, 2025
FCC ID:	2BRZO-MLF-M007

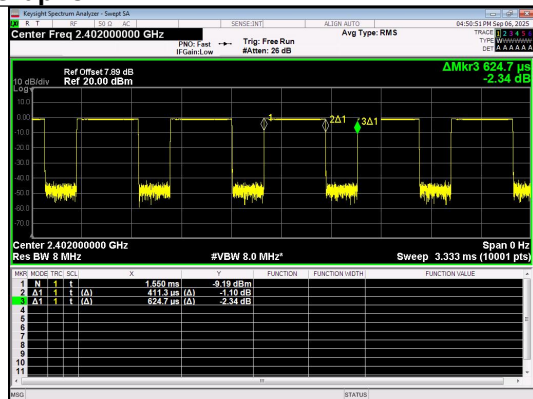


A.1 DUTY CYCLE

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	65.85	0.6585	1.8144	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

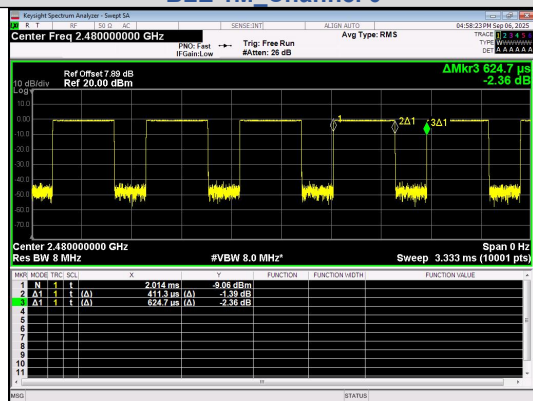
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



BLE 1M_Channel 39



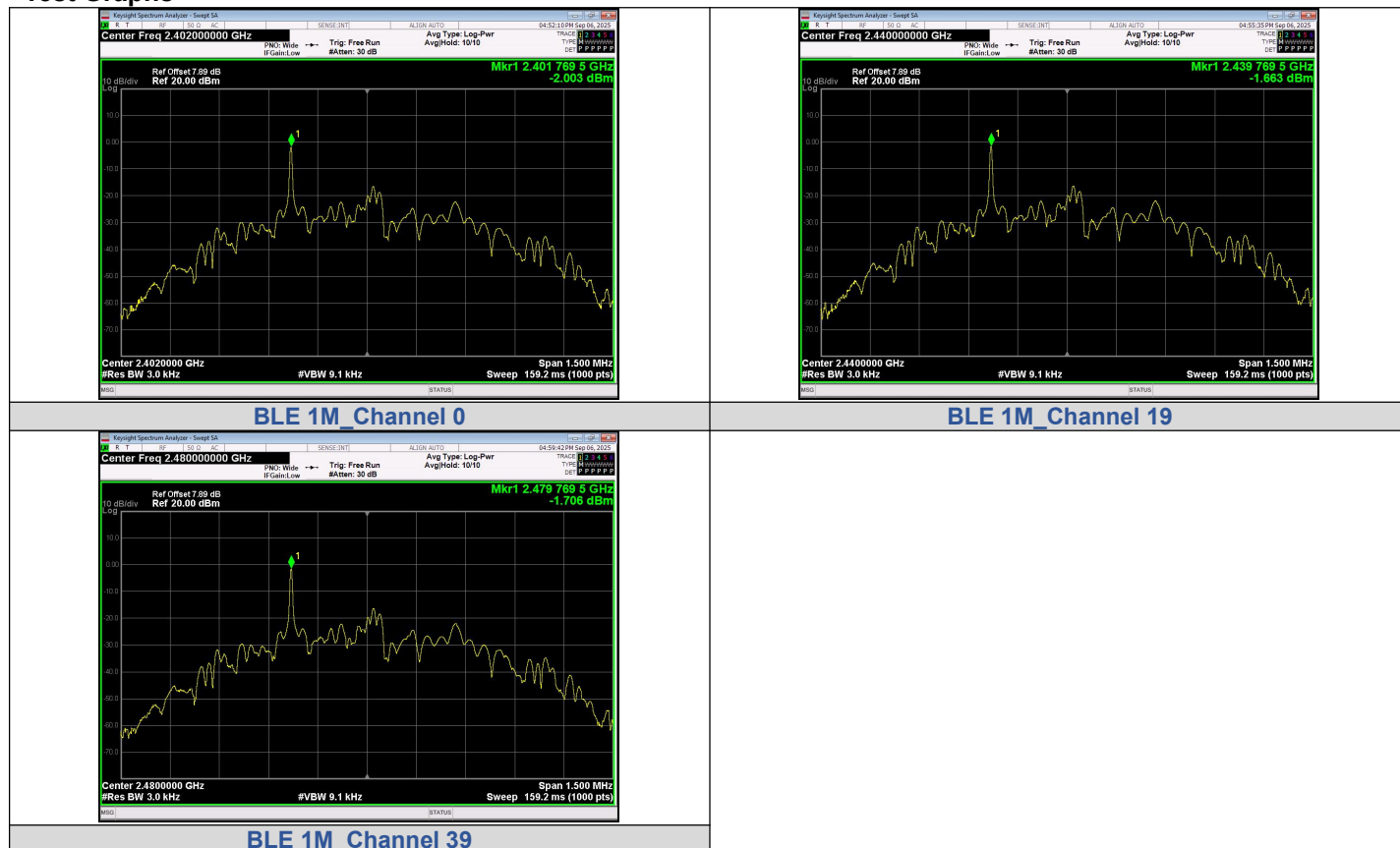
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A.2 POWER SPECTRAL DENSITY

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-2.003	≤8	PASS
BLE 1M	19	-1.663	≤8	PASS
BLE 1M	39	-1.706	≤8	PASS

Test Graphs





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A.3 CONDUCTED PEAK OUTPUT POWER

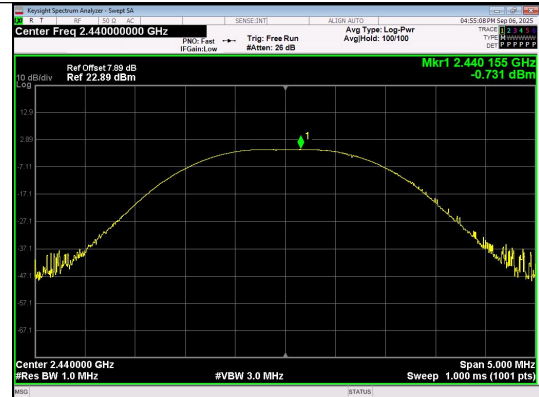
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	-1.00	0.79	None	≤30	PASS
	19	-0.73	0.85	None	≤30	PASS
	39	-0.73	0.85	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

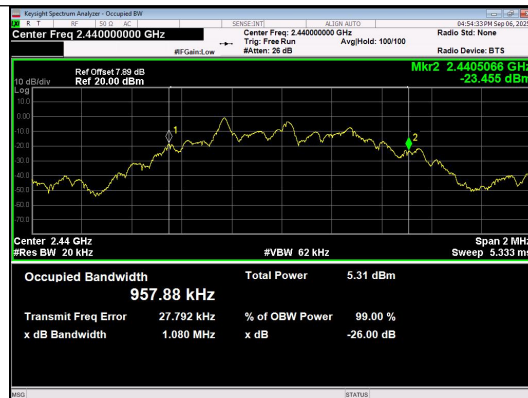
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	0.95355
BLE 1M	19	2440	0.95788
BLE 1M	39	2480	0.95963

Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



BLE 1M_Channel 39



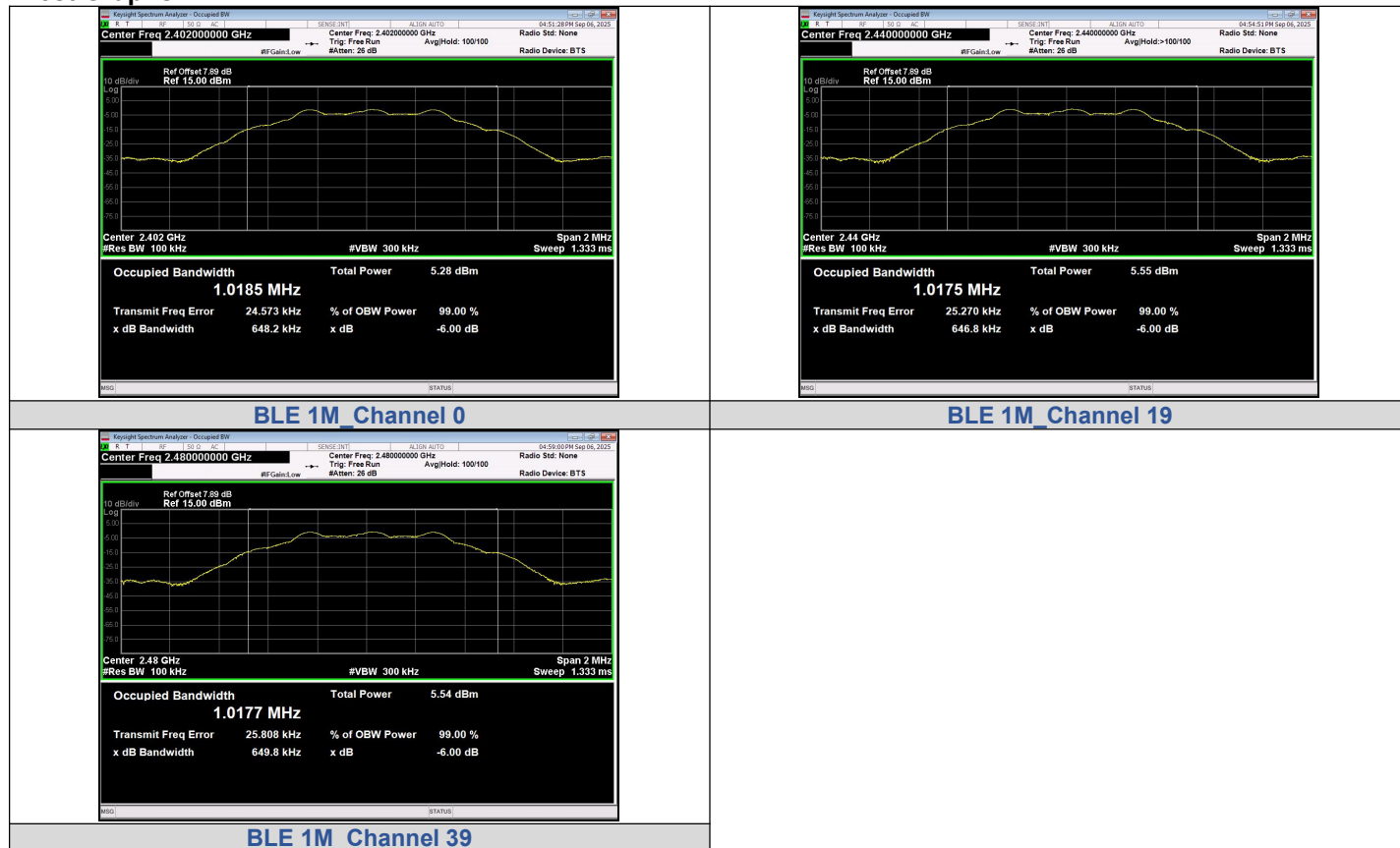
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A.5 6DB BANDWIDTH

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	0.6500		PASS
	39	2480	0.6500		PASS

Test Graphs





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A.6 CONDUCTED OUT OF BAND EMISSION

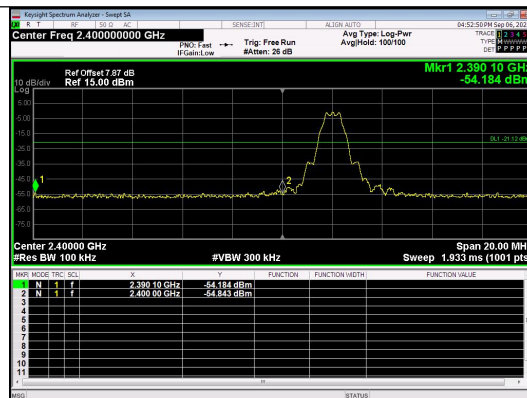
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2390.10	-54.184	-21.12	-33.064	PASS
		2400.00	-54.840	-21.12	-33.720	PASS
		4803.80	-36.769	-21.12	-15.649	PASS
	19	4879.92	-36.187	-20.84	-15.347	PASS
		2483.50	-56.540	-20.85	-35.690	PASS
		4959.83	-38.512	-20.85	-17.662	PASS

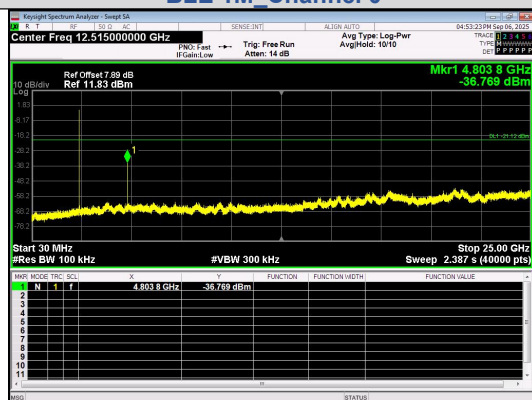
Test Graphs



In-Band Reference Level
BLE 1M_Channel 0



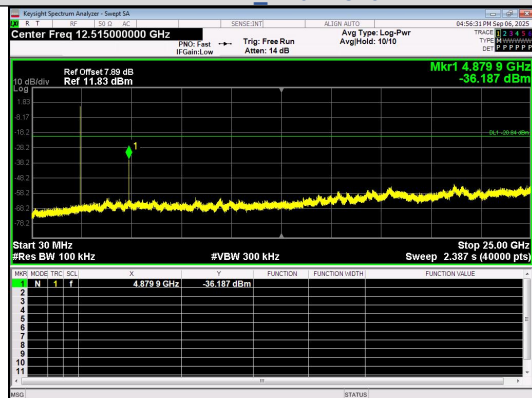
Out Of Band Emission
BLE 1M_Channel 0



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



In-Band Reference Level
BLE 1M_Channel 19



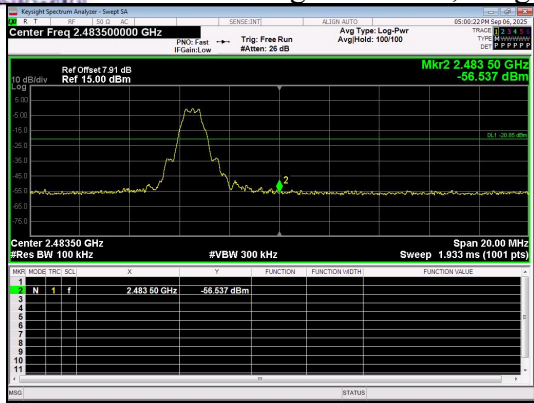
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



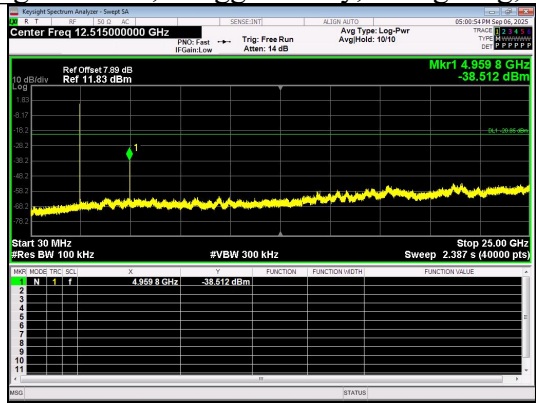
In-Band Reference Level
BLE 1M_Channel 39



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Out Of Band Emission
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39