



Keyway Testing Technology (Guangdong) Co., Ltd
Laboratory Address: Room 2102, Building 6, Dongyi Intelligent Equipment New
Energy Vehicle Park, No.30 of Tangxia District, Dongshen Road, Tangxia Town,
Dongguan, 523710, People's Republic of China

E.U.T:	Wireless Headphones
Model Number:	HQ60
Trade Name:	N/A
Sample Number:	33000270429
Date of Receipt:	May 12, 2026
Date of Test:	May 13 ~ 30, 2026
FCC ID:	2BVW8-HQ60

Note: The test data have all been compensated for cable loss, and when measuring the entire 2400-2500MHz, the maximum loss value 7.89 dB.and when measuring the entire 30MHz-25GHz, Input Compensation Coefficient (dB) = Max Cable Loss (dB)



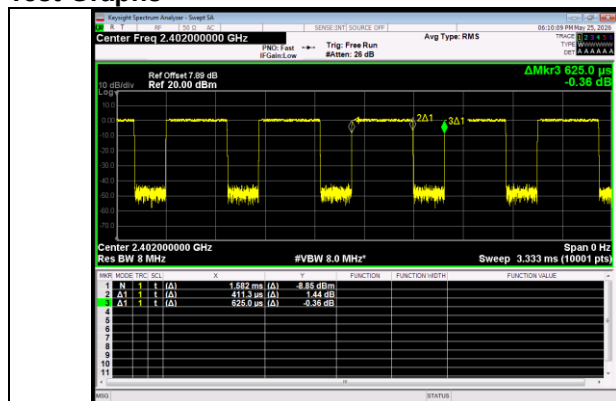
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A.1 DUTY CYCLE

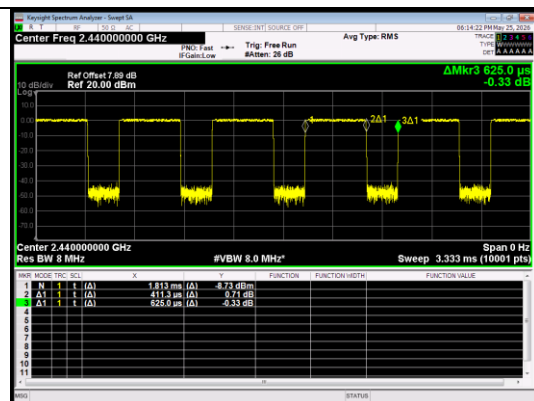
Test Result

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	65.81	0.6581	1.8171	2.4331
	39	0.411	0.625	65.85	0.6585	1.8144	2.4331

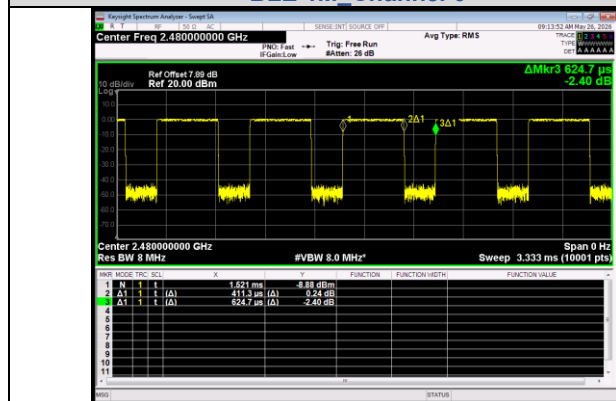
Test Graphs



BLE 1M Channel 0



BLE 1M Channel 19



BLE 1M Channel 39



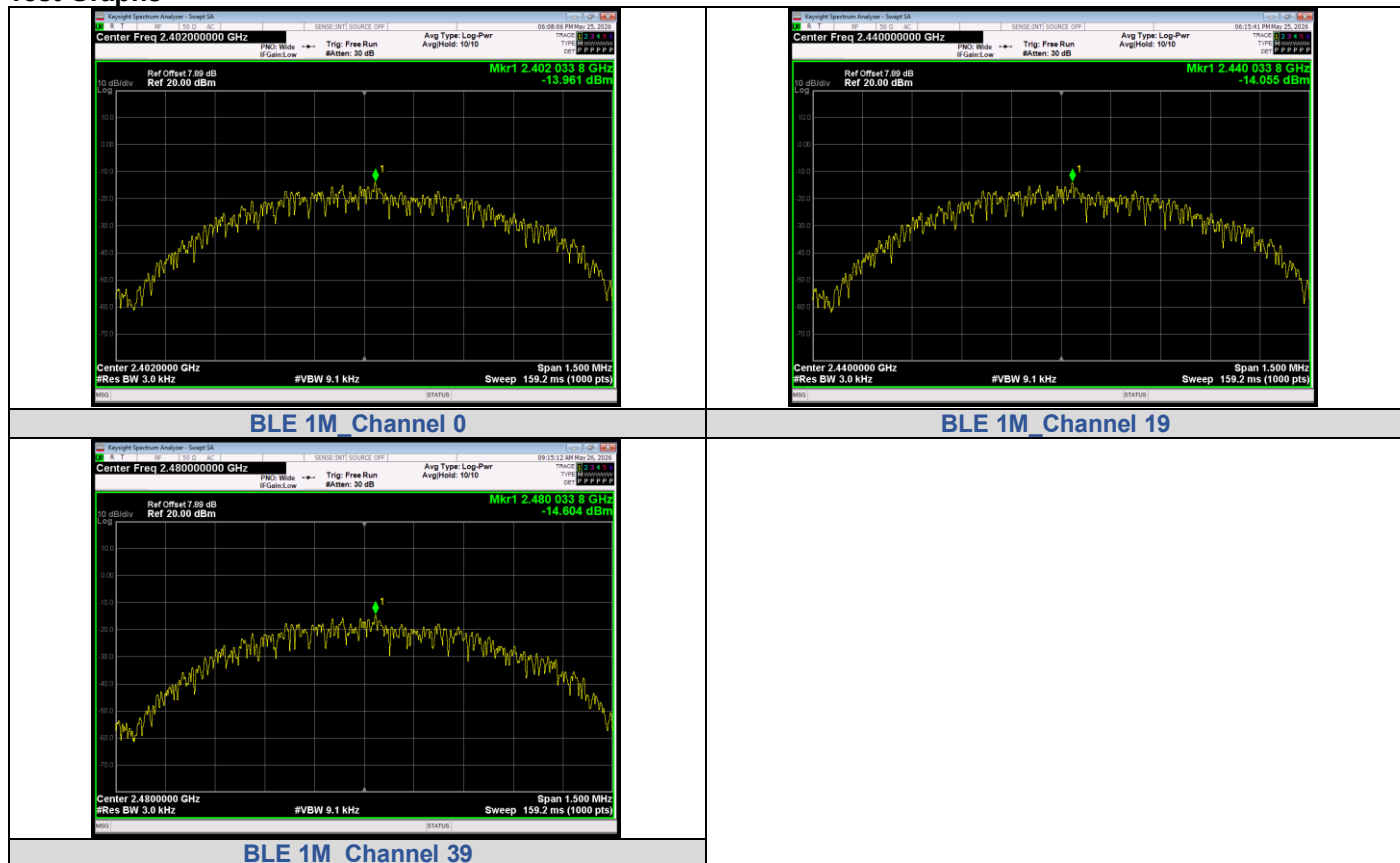
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A.2 POWER SPECTRAL DENSITY

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-13.960	≤ 8	PASS
BLE 1M	19	-14.050	≤ 8	PASS
BLE 1M	39	-14.600	≤ 8	PASS

Test Graphs





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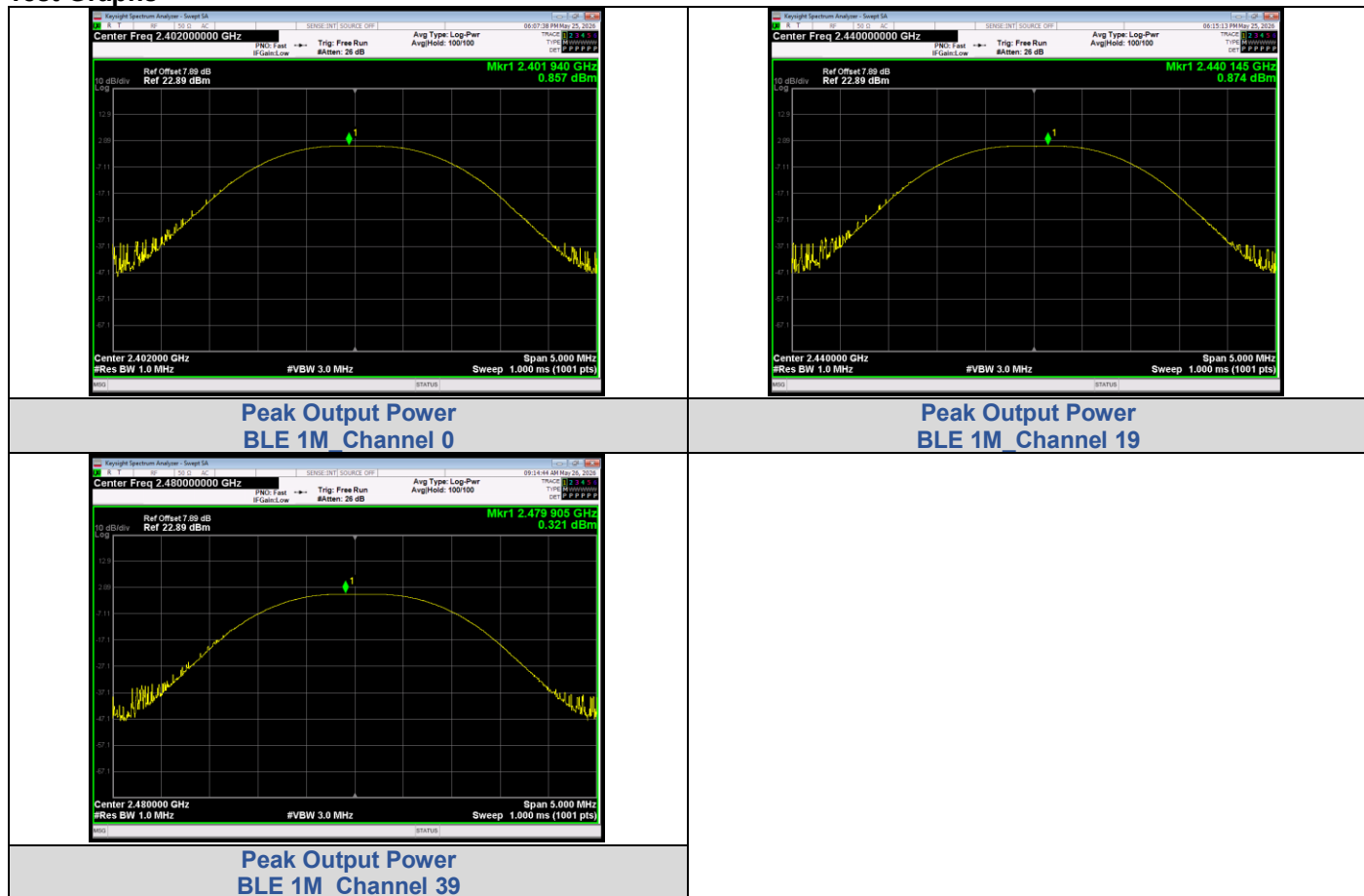
A.3 CONDUCTED PEAK OUTPUT POWER

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	0.86	1.22	None	≤30	PASS
	19	0.87	1.22	None	≤30	PASS
	39	0.32	1.08	None	≤30	PASS

Mode	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	ISED EIRP (dBm)	ISED EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
BLE 1M	0	0.86	≤30	0.857	≤36.02	None	PASS
	19	0.87	≤30	0.874	≤36.02	None	PASS
	39	0.32	≤30	0.321	≤36.02	None	PASS

Test Graphs





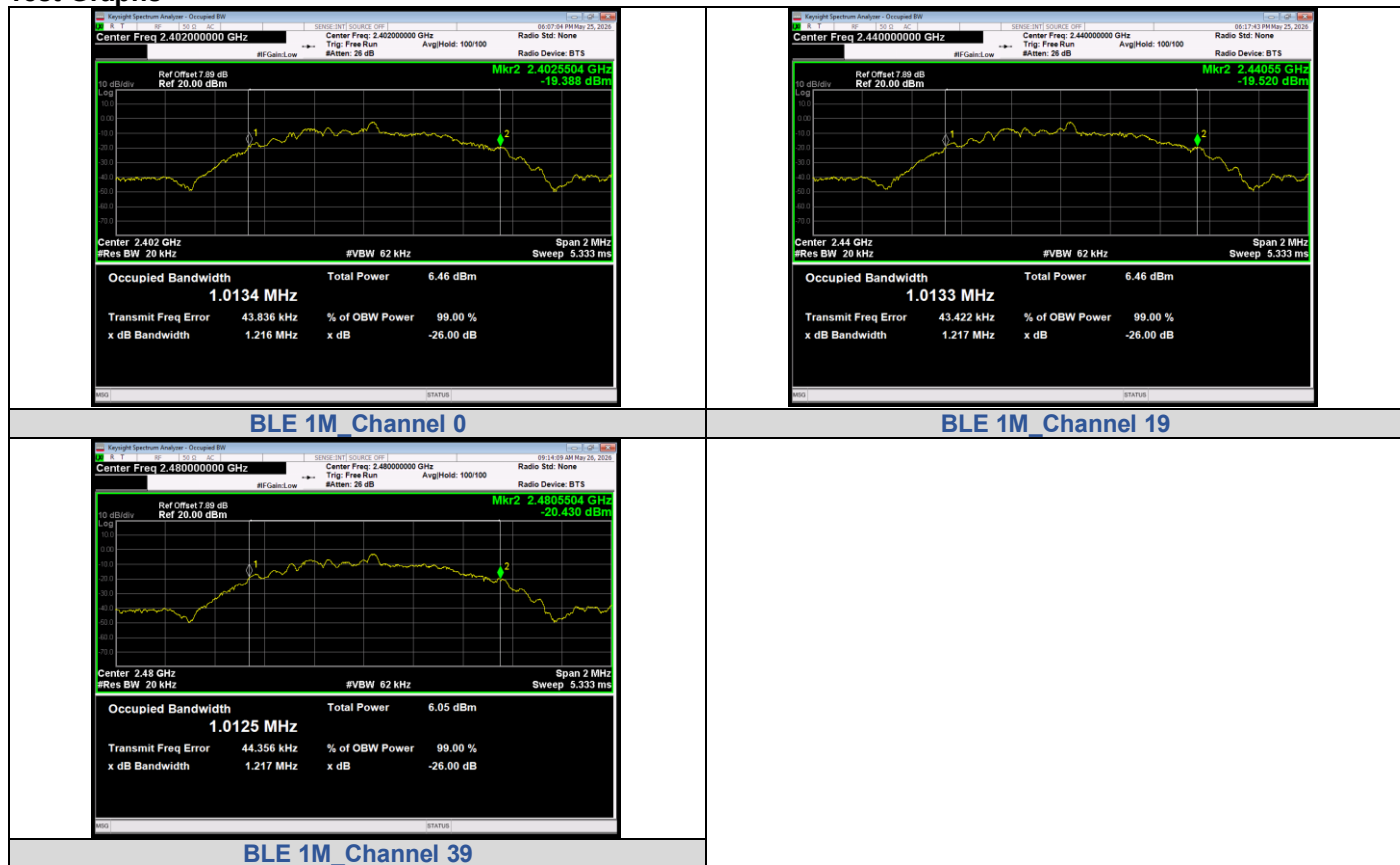
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A.4 99% BANDWIDTH

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0134
BLE 1M	19	2440	1.0133
BLE 1M	39	2480	1.0125

Test Graphs





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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	0.6585	≥0.5	PASS
	19	2440	0.6573		PASS
	39	2480	0.6589		PASS

Test Graphs



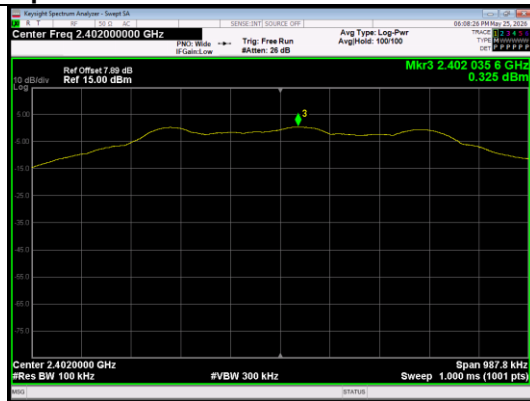
A.6 CONDUCTED SPURIOUS & BAND EDGE EMISSION

Test Result

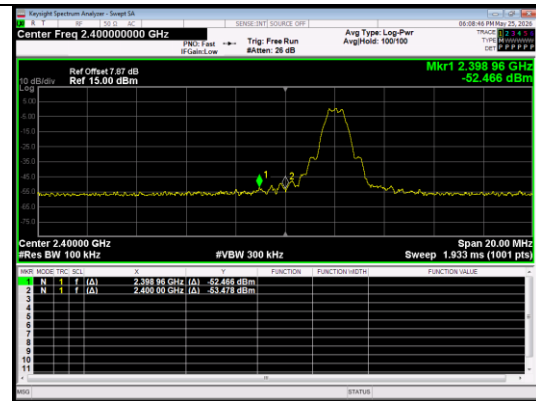
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.96	-52.466	-19.68	-32.786	PASS
		2400.00	-53.478	-19.68	-33.798	PASS
		4803.80	-42.625	-19.68	-22.945	PASS
	19	4880.54	-44.170	-19.66	-24.510	PASS
	39	2483.50	-55.184	-20.17	-35.014	PASS
		4959.83	-45.415	-20.17	-25.245	PASS

Note: input compensation coefficient (dB)= Cable Loss (dB)

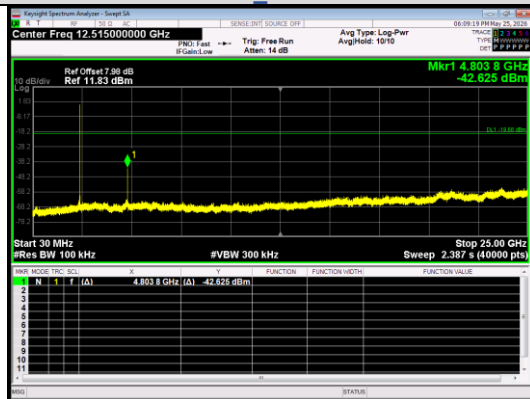
Test Graphs



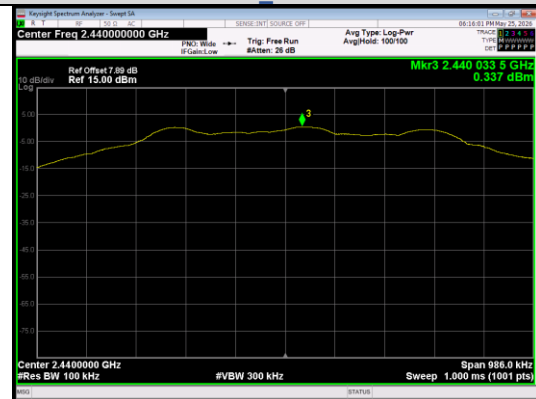
In-Band Reference Level
BLE 1M Channel 0



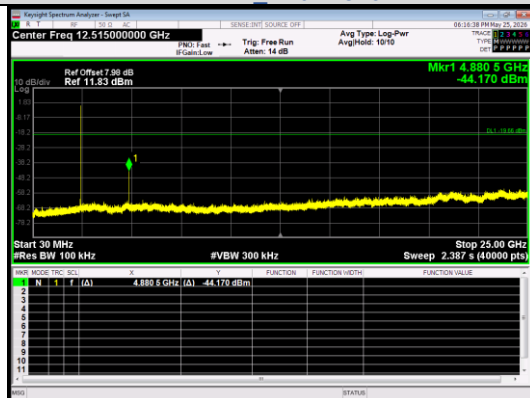
Out Of Band Emission
BLE 1M Channel 0



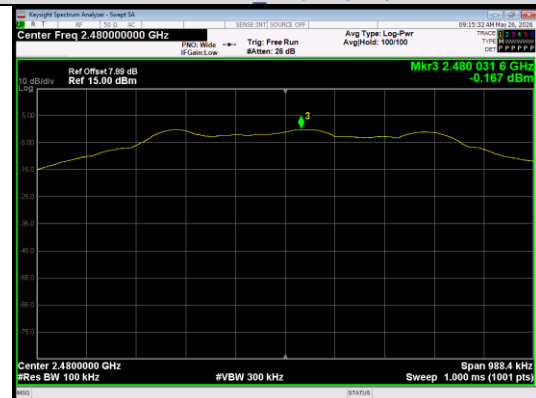
30.0 MHz - 25000.0 MHz
BLE 1M Channel 0



In-Band Reference Level
BLE 1M Channel 19



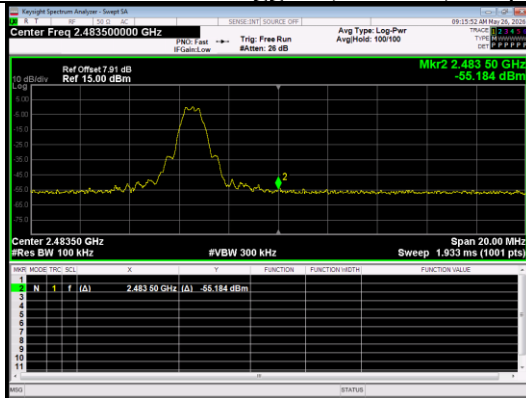
30.0 MHz - 25000.0 MHz
BLE 1M Channel 19



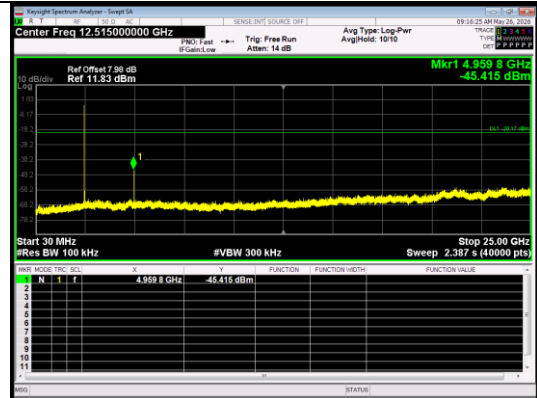
In-Band Reference Level
BLE 1M Channel 39



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Out Of Band Emission
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39