



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:	CD Hi-Fi Console
Model Number:	R710
Trade Name:	ruark audio
Sample Number:	33000262245
Date of Receipt:	2026.06.01
Date of Test:	2026.06.01 ~ 2026.09.11
FCC ID:	2AJAA-R710

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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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	0.393	0.625	62.91	0.6291	2.0128	2.5445
	19	0.393	0.625	62.91	0.6291	2.0128	2.5445
	39	0.393	0.625	62.93	0.6293	2.0114	2.5445
BLE 2M	0	0.208	0.625	33.28	0.3328	4.7782	4.8077
	19	0.208	0.625	33.30	0.3330	4.7756	4.8077
	39	0.208	0.625	33.30	0.3330	4.7756	4.8077

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

Test Graphs





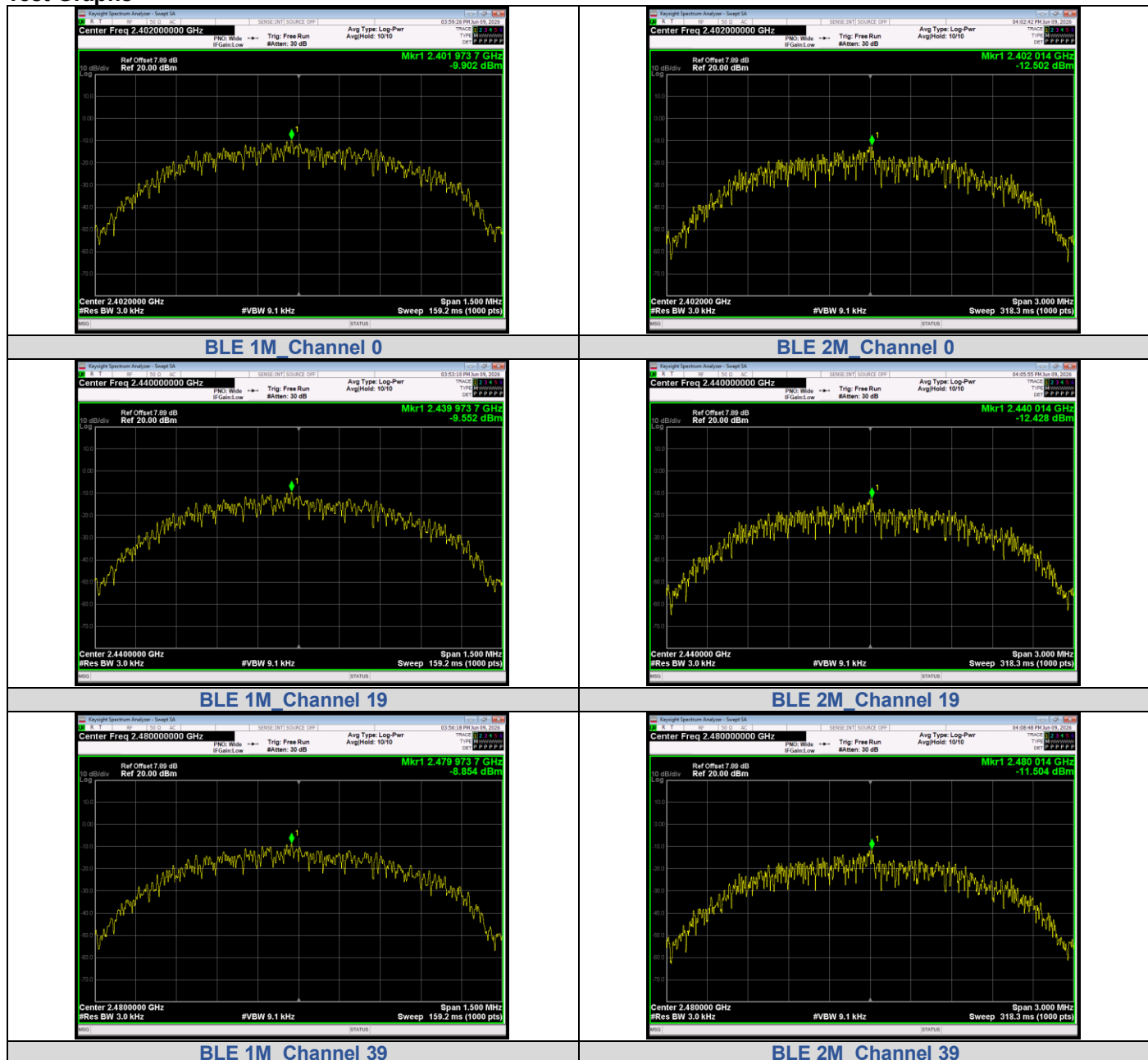
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POWER SPECTRAL DENSITY

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-9.900	≤ 8	PASS
BLE 1M	19	-9.550	≤ 8	PASS
BLE 1M	39	-8.850	≤ 8	PASS
BLE 2M	0	-12.500	≤ 8	PASS
BLE 2M	19	-12.430	≤ 8	PASS
BLE 2M	39	-11.500	≤ 8	PASS

Test Graphs





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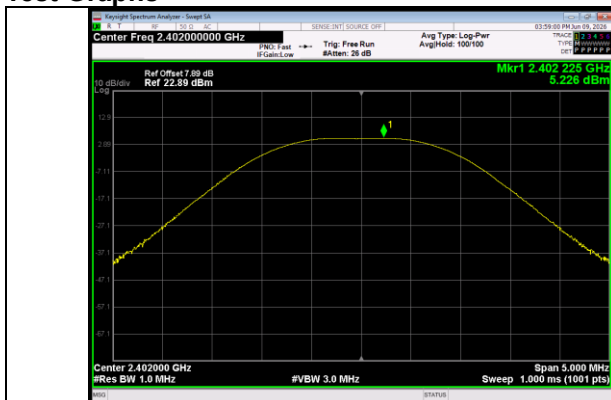
CONDUCTED PEAK OUTPUT POWER

Test Result

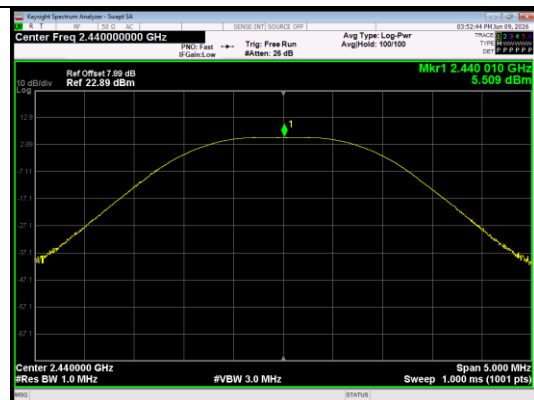
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	5.23	3.33	None	≤30	PASS
	19	5.51	3.56	None	≤30	PASS
	39	6.23	4.2	None	≤30	PASS
BLE 2M	0	5.29	3.38	None	≤30	PASS
	19	5.39	3.46	None	≤30	PASS
	39	6.06	4.04	None	≤30	PASS

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	5.23	≤30	5.23	≤36.02	None	PASS
	19	5.51	≤30	5.51	≤36.02	None	PASS
	39	6.23	≤30	6.23	≤36.02	None	PASS
BLE 2M	0	5.29	≤30	5.29	≤36.02	None	PASS
	19	5.39	≤30	5.39	≤36.02	None	PASS
	39	6.06	≤30	6.06	≤36.02	None	PASS

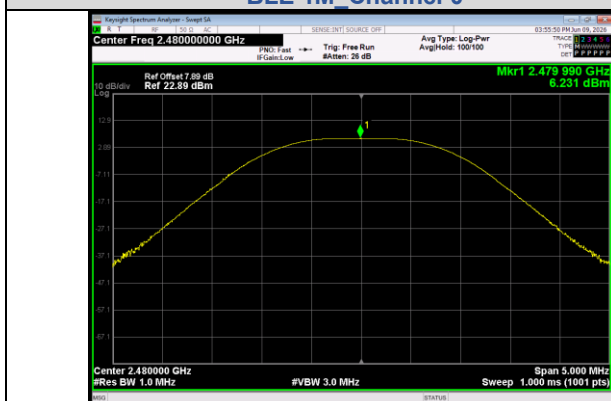
Test Graphs



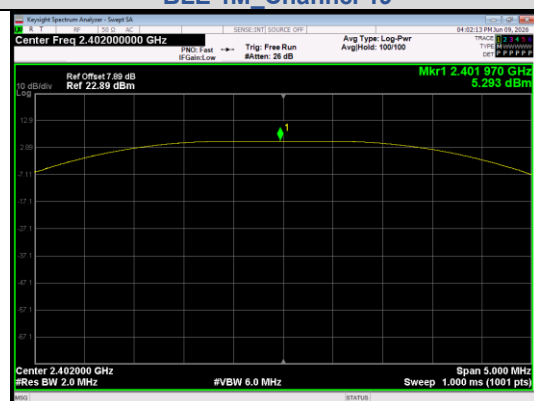
Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



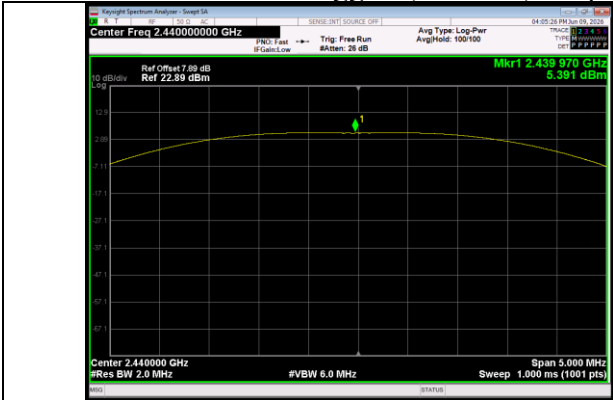
Peak Output Power
BLE 1M_Channel 39



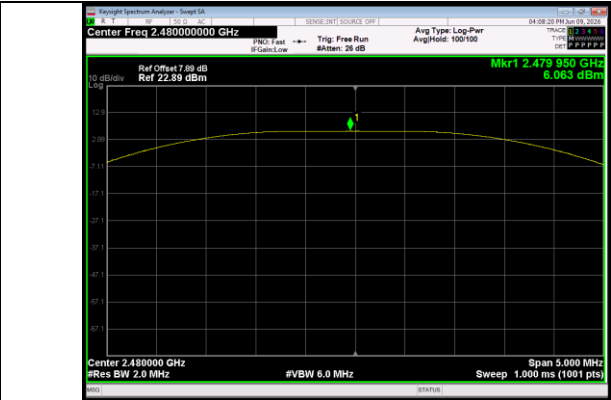
Peak Output Power
BLE 2M_Channel 0



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Peak Output Power
BLE 2M_Channel 19

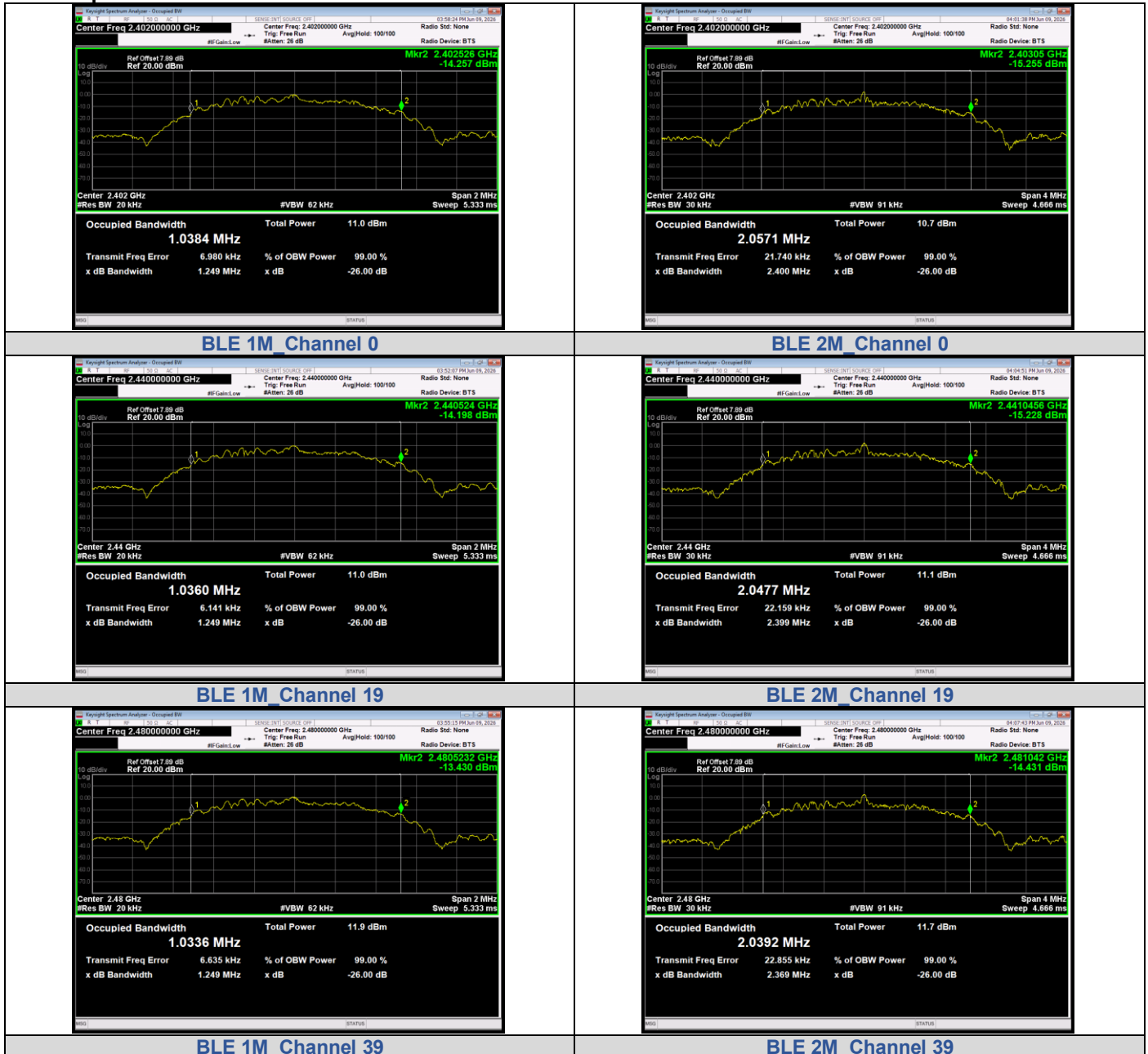


Peak Output Power
BLE 2M_Channel 39

99% BANDWIDTH Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0384
BLE 1M	19	2440	1.0360
BLE 1M	39	2480	1.0336
BLE 2M	0	2402	2.0571
BLE 2M	19	2440	2.0477
BLE 2M	39	2480	2.0392

Test Graphs



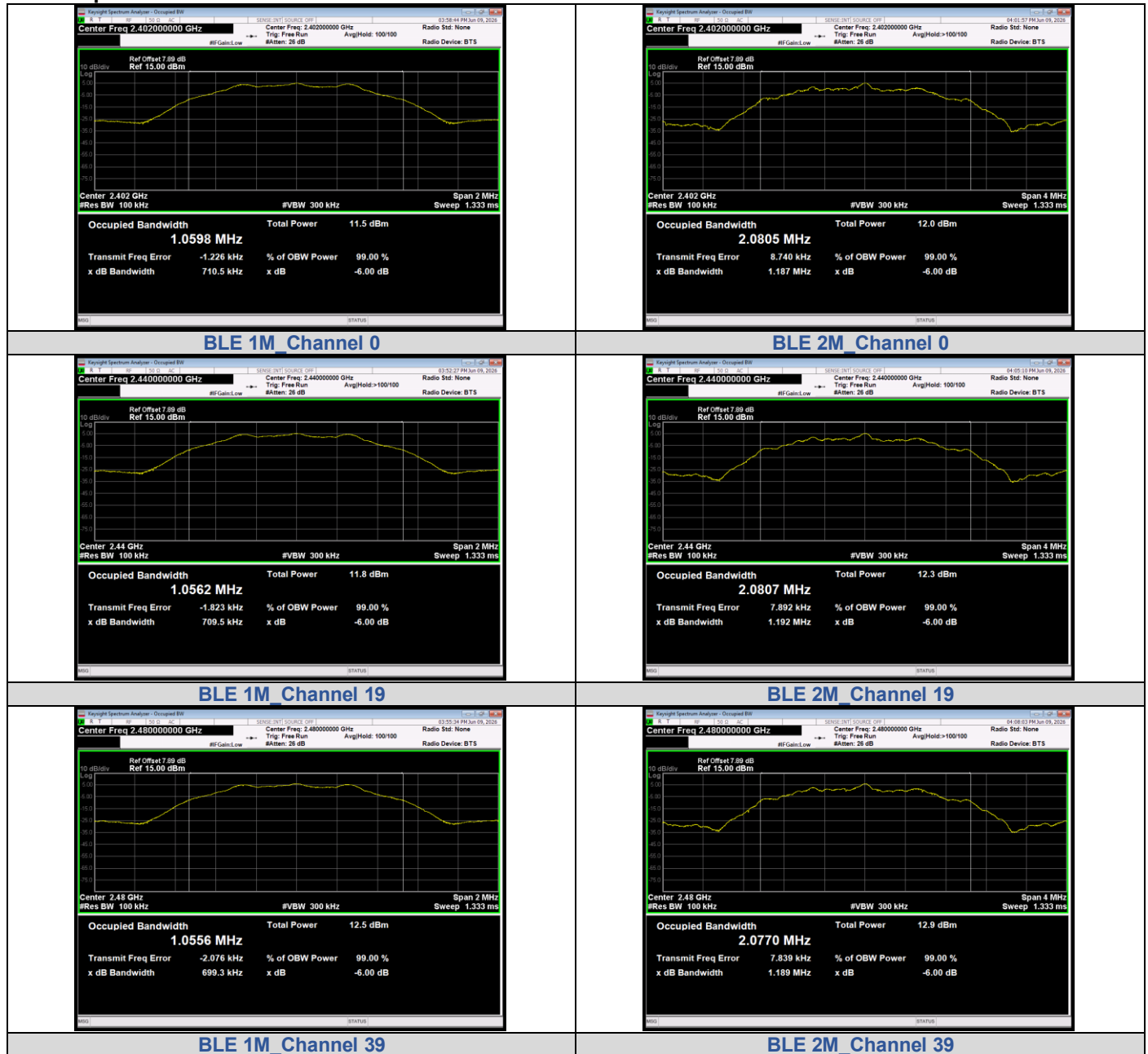


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6DB BANDWIDTH Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.7105	≥0.5	PASS
	19	2440	0.7095		PASS
	39	2480	0.6993		PASS
BLE 2M	0	2402	1.187		PASS
	19	2440	1.192		PASS
	39	2480	1.189		PASS

Test Graphs



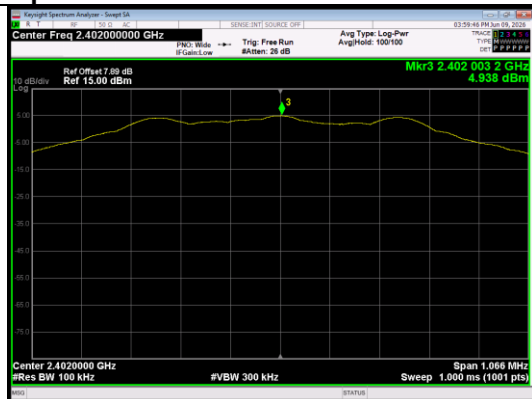
CONDUCTED SPURIOUS & BAND EDGE EMISSION

Test Result

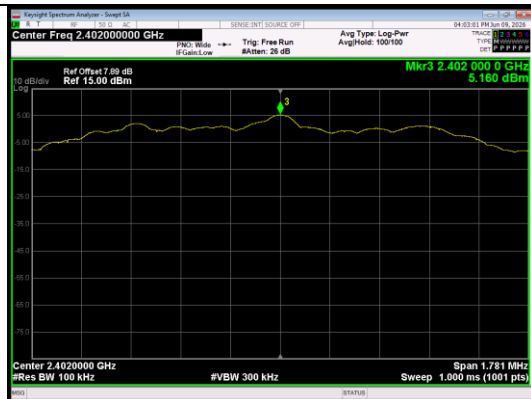
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2394.00	-49.657	-15.06	-34.596	PASS
		2400.00	-50.079	-15.06	-35.019	PASS
		4803.80	-53.527	-15.06	-38.467	PASS
	19	4880.54	-54.801	-14.64	-40.161	PASS
		2483.50	-53.606	-14.01	-39.596	PASS
		23727.8	-55.424	-14.01	-41.414	PASS
BLE 2M	0	2400.00	-26.506	-14.84	-11.666	PASS
		23609.1	-55.077	-14.84	-40.237	PASS
	19	23835.7	-55.528	-14.7	-40.828	PASS
		2483.50	-51.657	-14.0	-37.657	PASS
	39	2487.73	-52.841	-14.0	-38.841	PASS

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

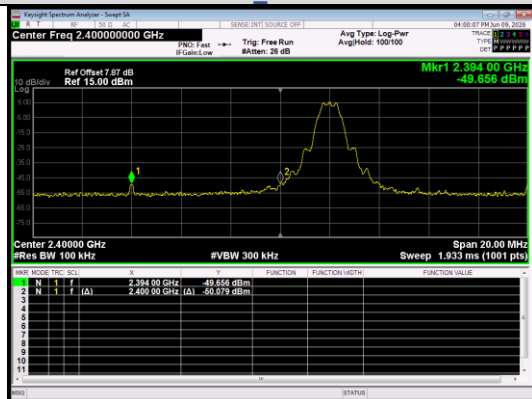
Test Graphs



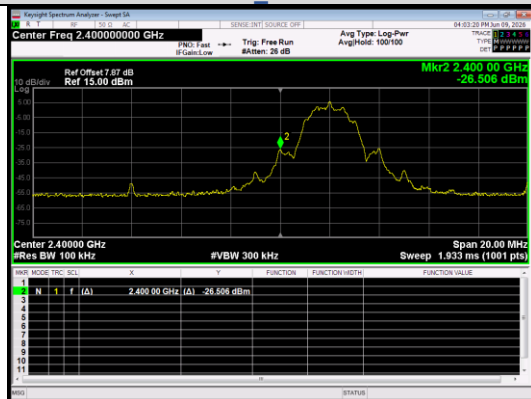
In-Band Reference Level
BLE 1M Channel 0



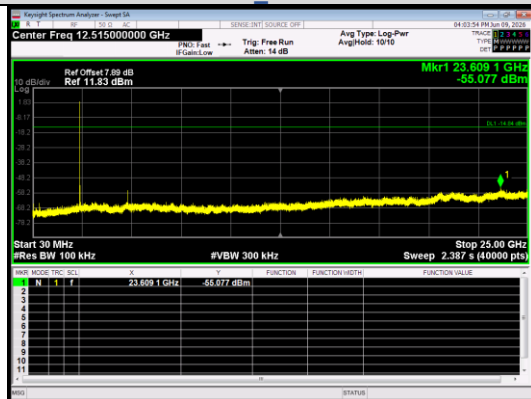
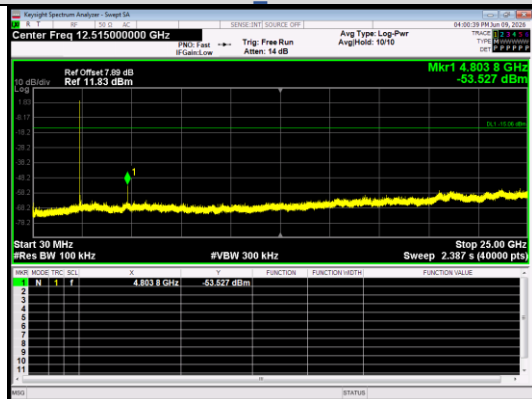
In-Band Reference Level
BLE 2M Channel 0



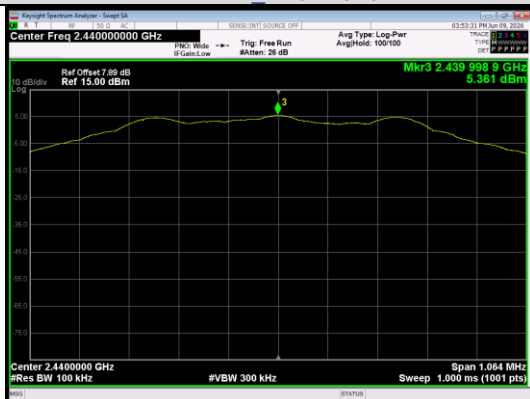
Out Of Band Emission
BLE 1M Channel 0



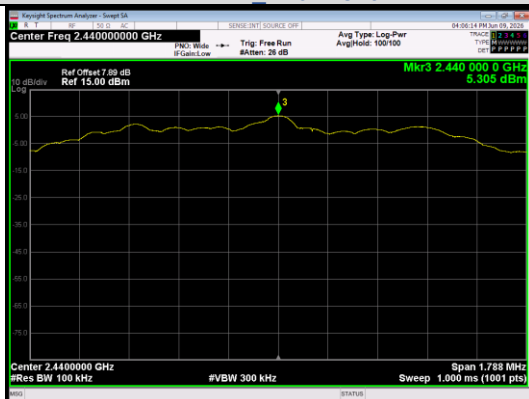
Out Of Band Emission
BLE 2M Channel 0



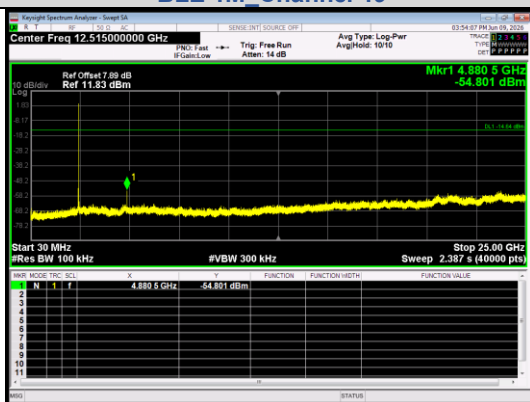
**30.0 MHz - 25000.0 MHz
 BLE 1M_Channel 0**



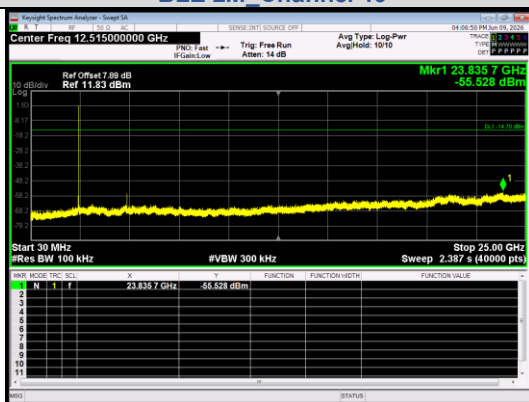
**30.0 MHz - 25000.0 MHz
 BLE 2M_Channel 0**



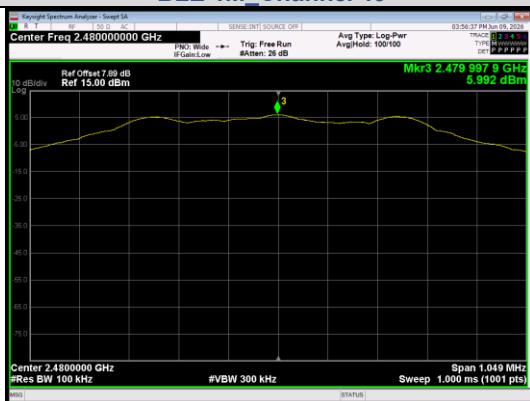
**In-Band Reference Level
 BLE 1M_Channel 19**



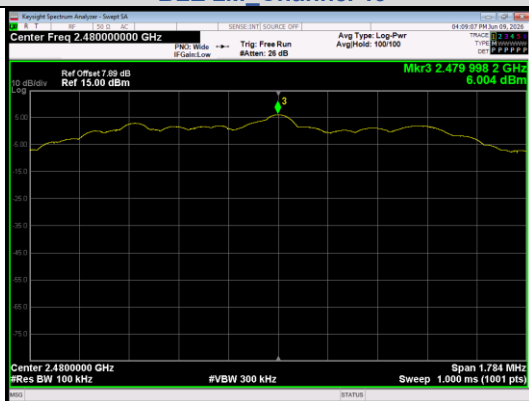
**In-Band Reference Level
 BLE 2M_Channel 19**



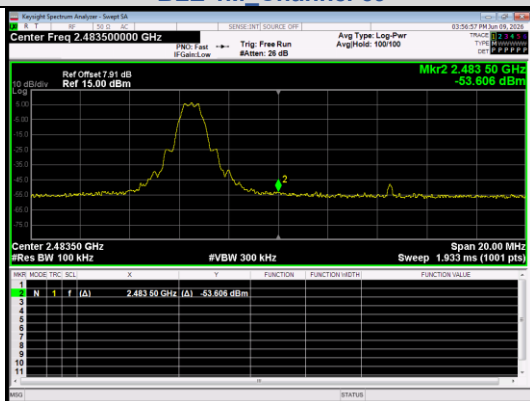
**30.0 MHz - 25000.0 MHz
 BLE 1M_Channel 19**



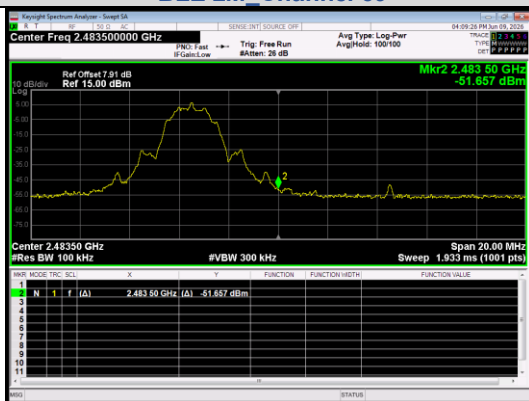
**30.0 MHz - 25000.0 MHz
 BLE 2M_Channel 19**



**In-Band Reference Level
 BLE 1M_Channel 39**



**In-Band Reference Level
 BLE 2M_Channel 39**

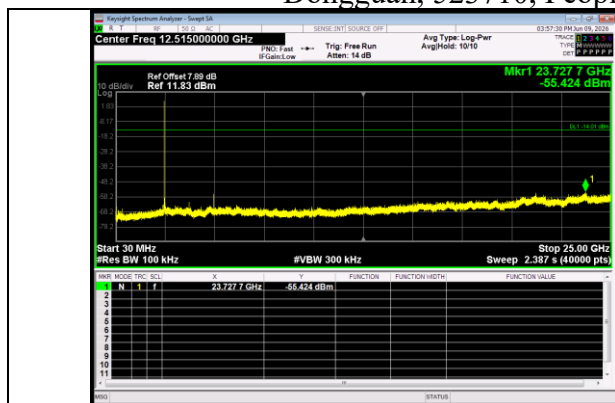


**Out Of Band Emission
 BLE 1M_Channel 39**

**Out Of Band Emission
 BLE 2M_Channel 39**



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30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 2M_Channel 39