



Keyway Testing Technology (Guangdong) Co., Ltd
Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park,
No.30 of Tangxia District, Dongshen Road, Tangxia Town, Dongguan City,
Guangdong province, China

RF Conducted Test

E.U.T:	Power Pro Control System
Model Number:	WF-3611
Sample ID	33000254426
Sample(s) Status:	Engineer sample
Date of Receipt:	Oct. 17, 2025
Date of Test:	Oct. 17 ~ 27, 2025
FCC ID:	2BDDWWF3611
Report No.	2025102765356026-00
Tester	Jacob Ouyang



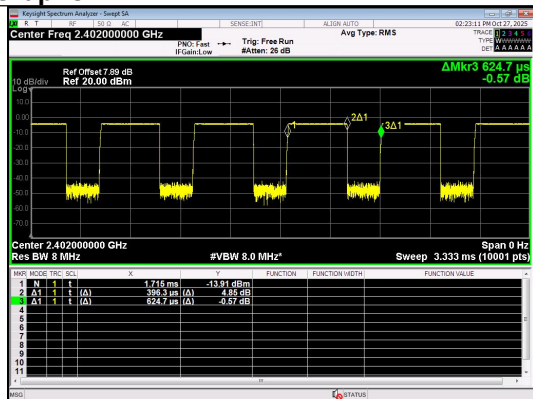
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A.1 DUTY CYCLE

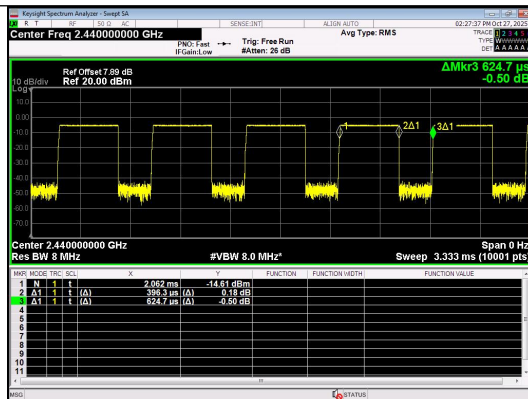
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	0.396	0.625	63.45	0.6345	1.9757	2.5253
	19	0.396	0.625	63.45	0.6345	1.9757	2.5253
	39	0.396	0.625	63.45	0.6345	1.9757	2.5253

Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



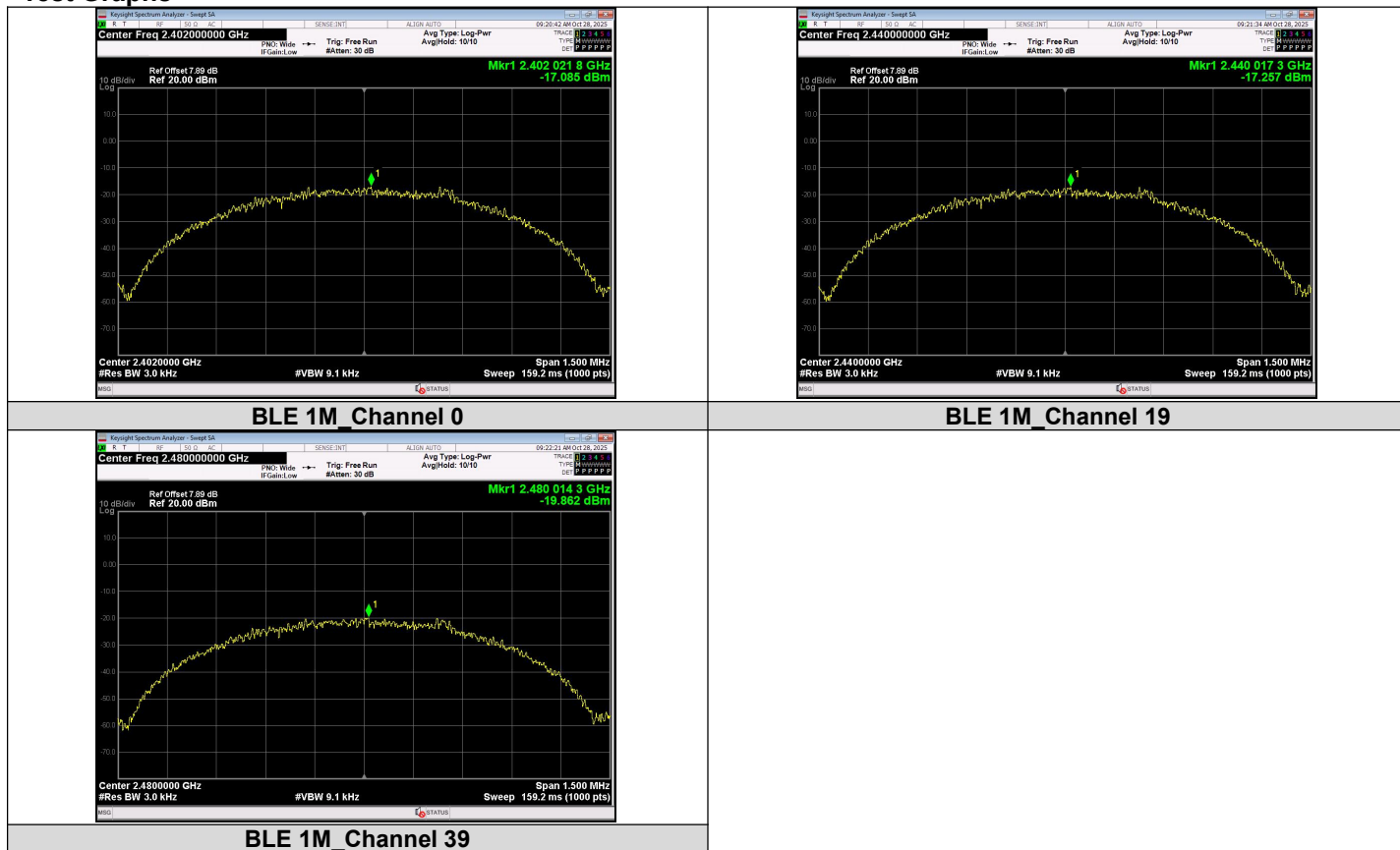
BLE 1M_Channel 39

A.2 POWER SPECTRAL DENSITY

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-17.090	≤8	PASS
BLE 1M	19	-17.260	≤8	PASS
BLE 1M	39	-19.860	≤8	PASS

Test Graphs

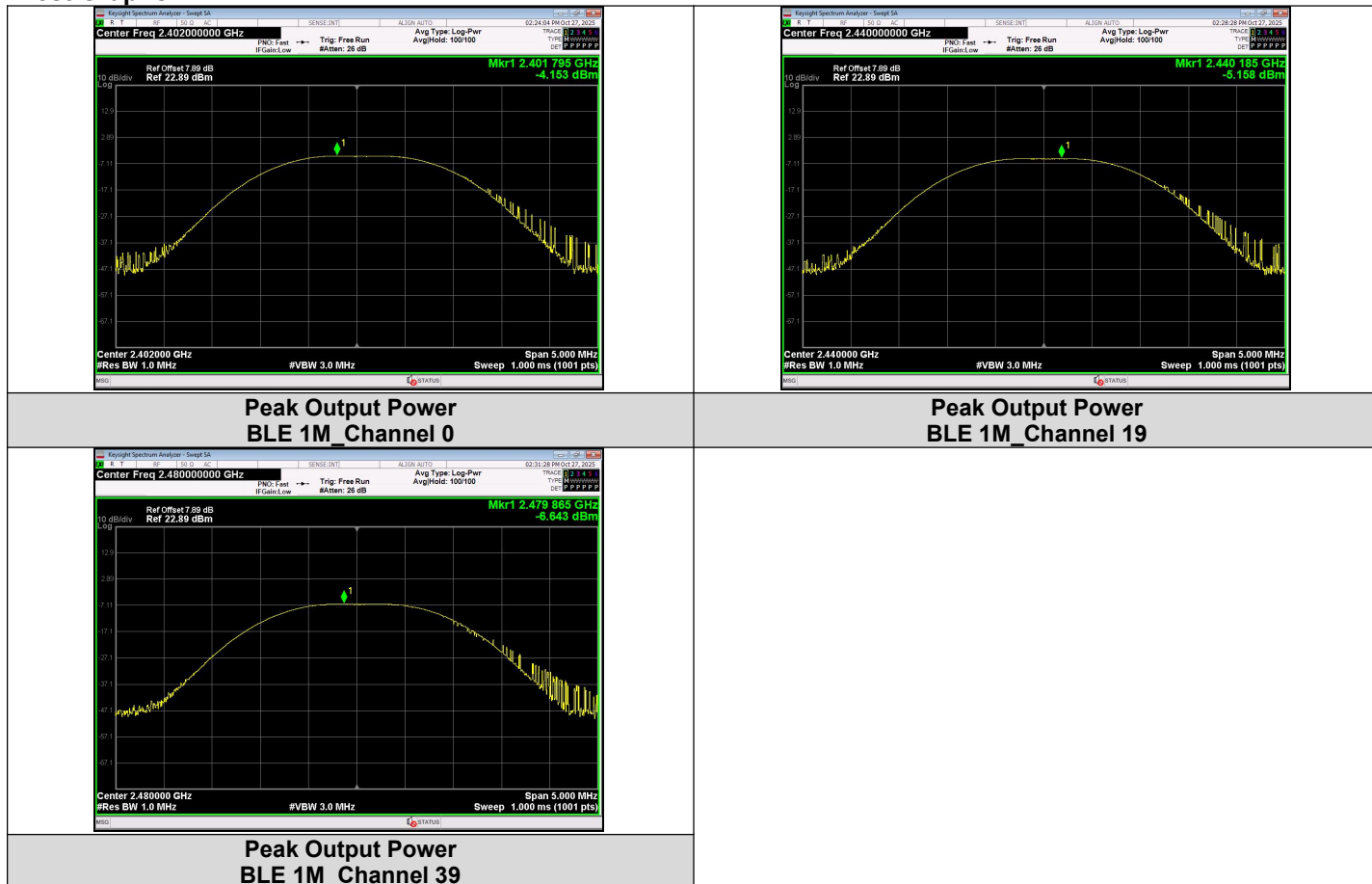


A.3 CONDUCTED PEAK OUTPUT POWER

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	-4.15	0.38	None	≤30	PASS
	19	-5.16	0.3	None	≤30	PASS
	39	-6.64	0.22	None	≤30	PASS

Test Graphs





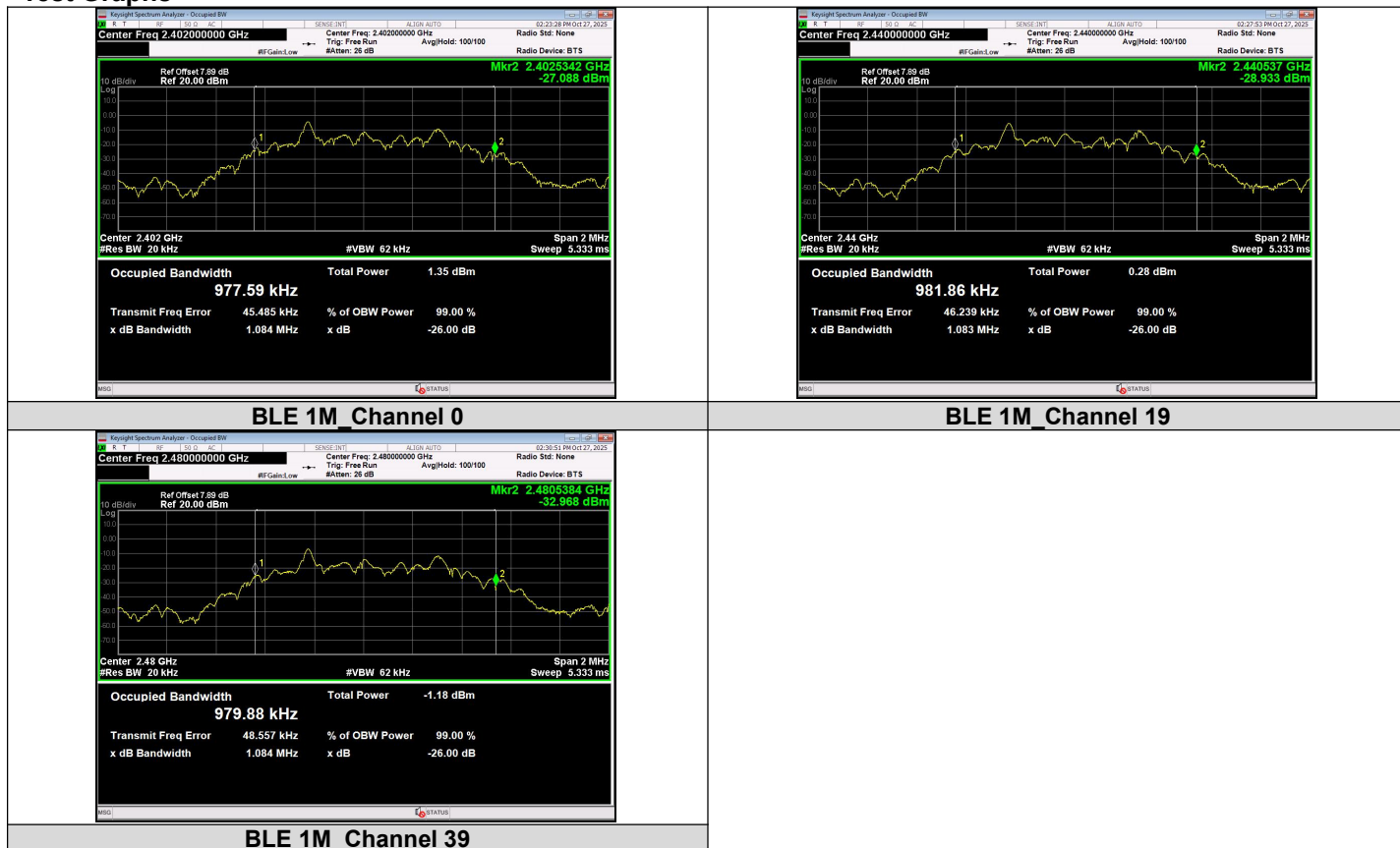
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A.4 99% BANDWIDTH

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	0.97759
BLE 1M	19	2440	0.98186
BLE 1M	39	2480	0.97988

Test Graphs

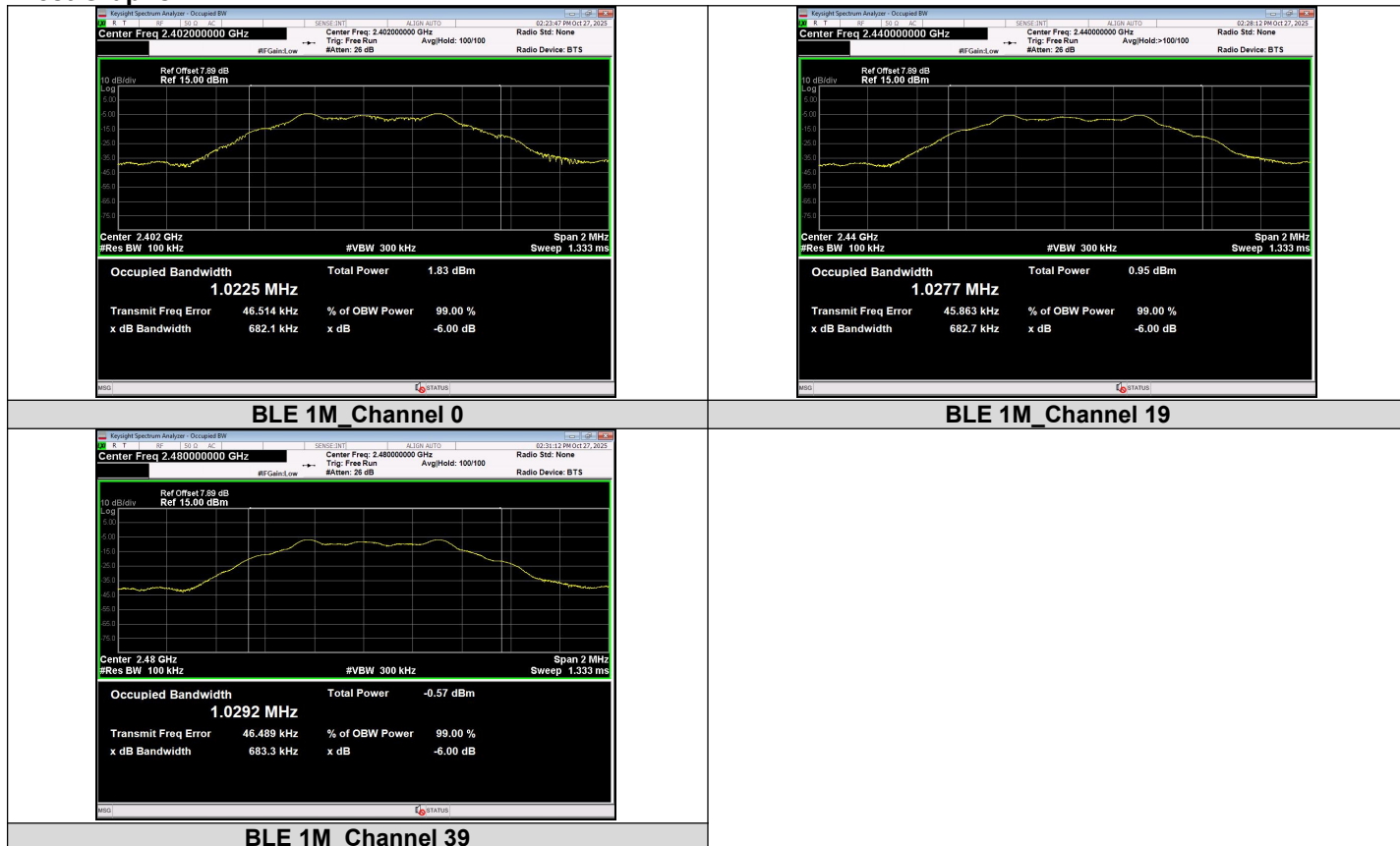


A.5 6DB BANDWIDTH

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6821	≥0.5	PASS
	19	2440	0.6827		PASS
	39	2480	0.6833		PASS

Test Graphs



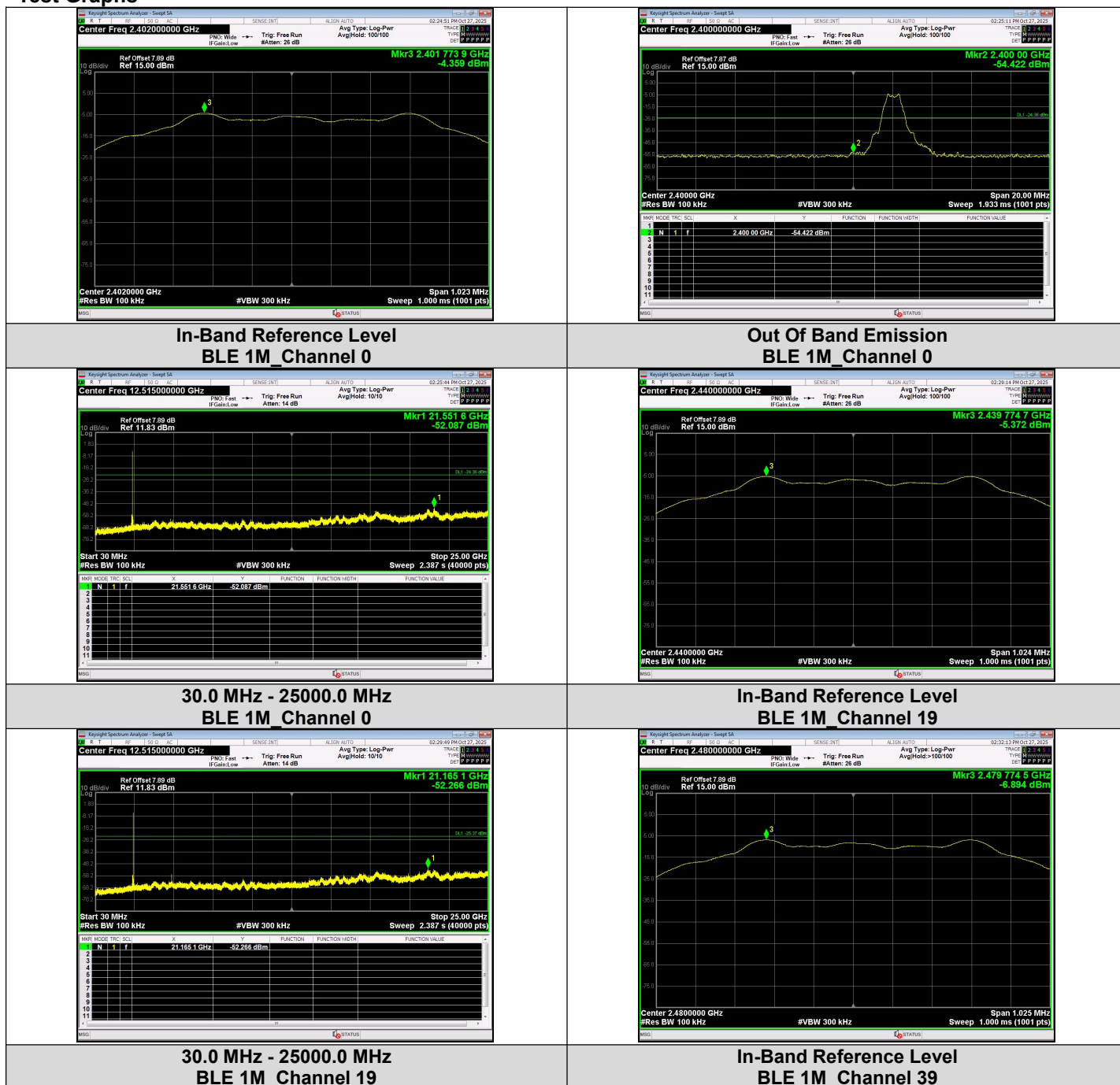
A.6 CONDUCTED SPURIOUS & BAND EDGE EMISSION

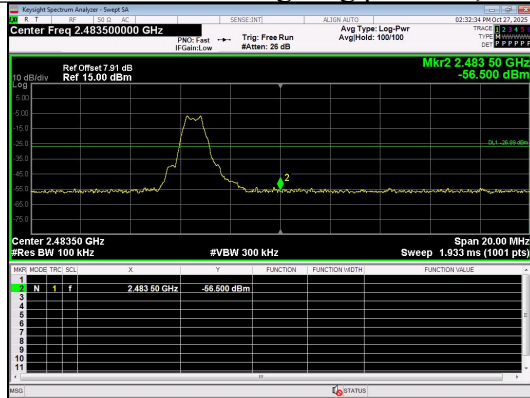
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-54.422	-24.36	-30.062	PASS
		21551.6	-52.087	-24.36	-27.727	PASS
	19	21165.1	-52.266	-25.37	-26.896	PASS
	39	2483.50	-56.500	-26.89	-29.610	PASS
		21155.8	-51.080	-26.89	-24.190	PASS

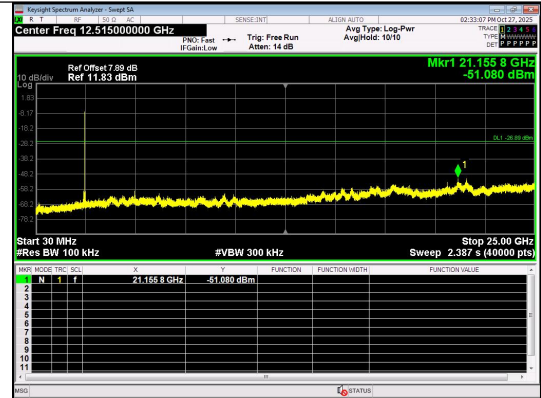
Note: input compensation coefficient (dB)= Cable Loss (dB)

Test Graphs





Out Of Band Emission
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39