



Appendix A

RF Test Data for BT (BLE) (Conducted Measurement)

Product Name: Smart watch

Trade Mark:N/A

Test Model: WS-18

Environmental Conditions

Temperature:	25.8° C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

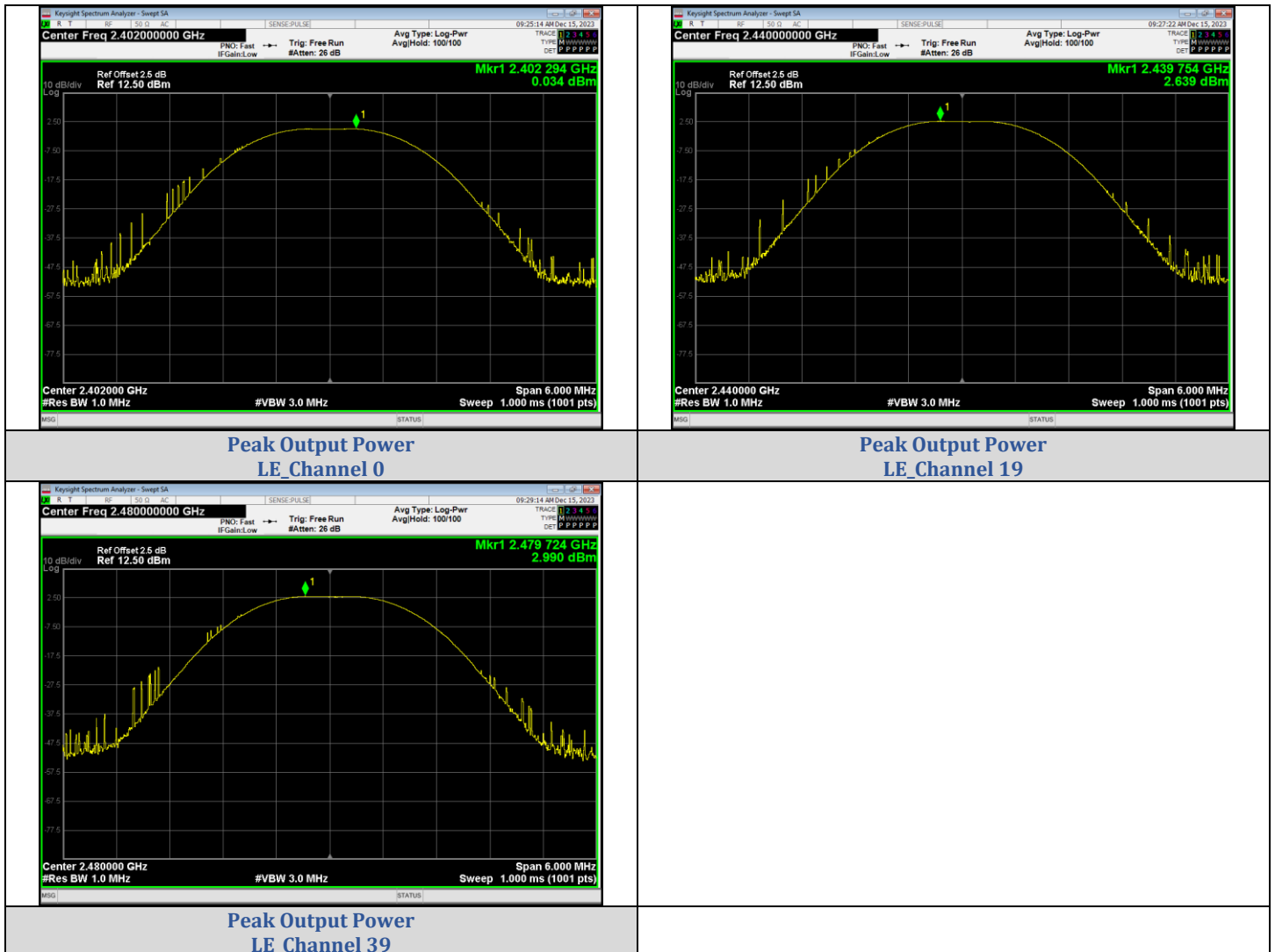


Conducted Peak Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
LE	0	0.034	1.01	None	30	PASS
	19	2.639	1.84	None	30	PASS
	39	2.990	1.99	None	30	PASS

Test Graphs



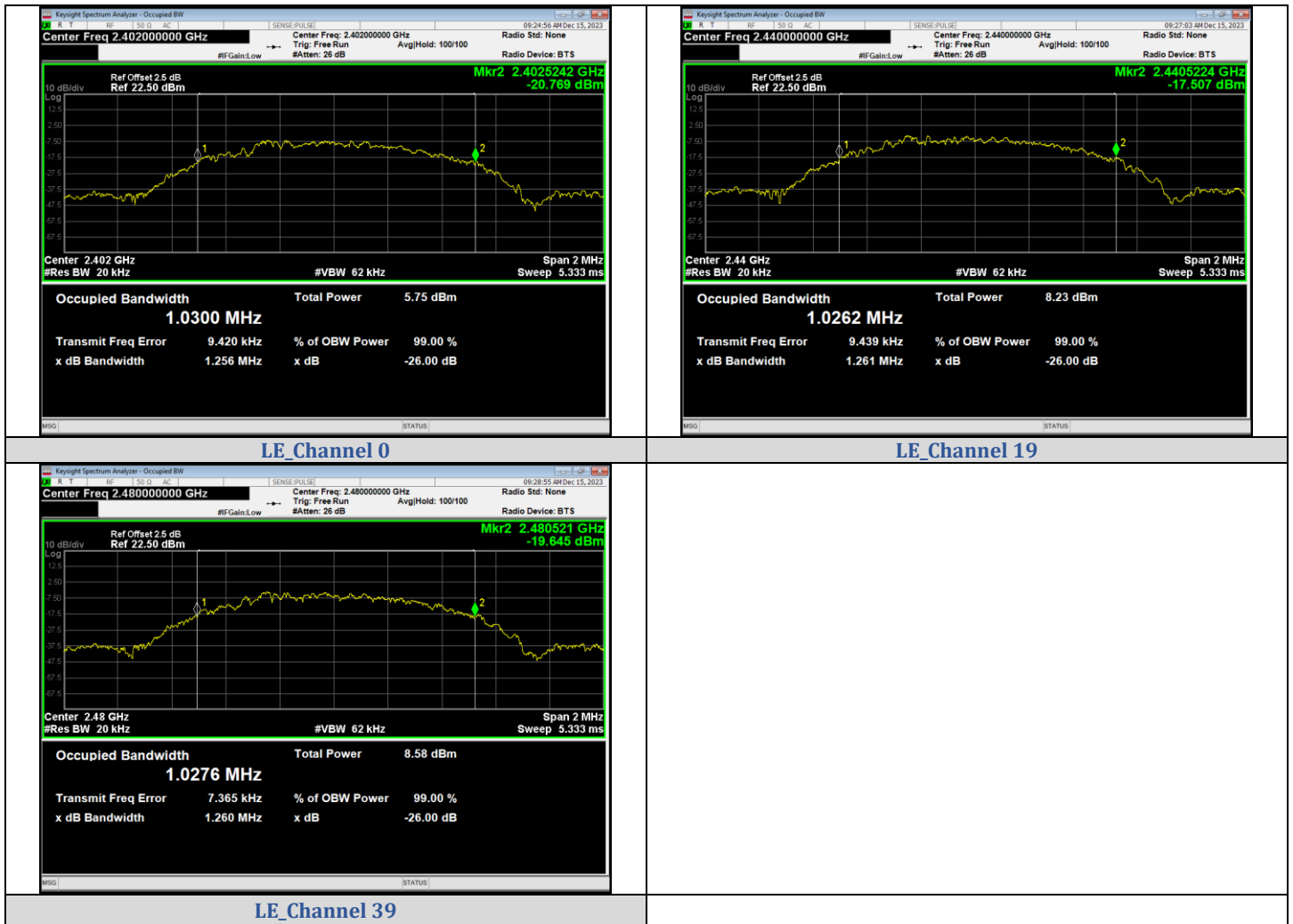


99% Bandwidth

Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.0300
LE	19	1.0262
LE	39	1.0276

Test Graphs



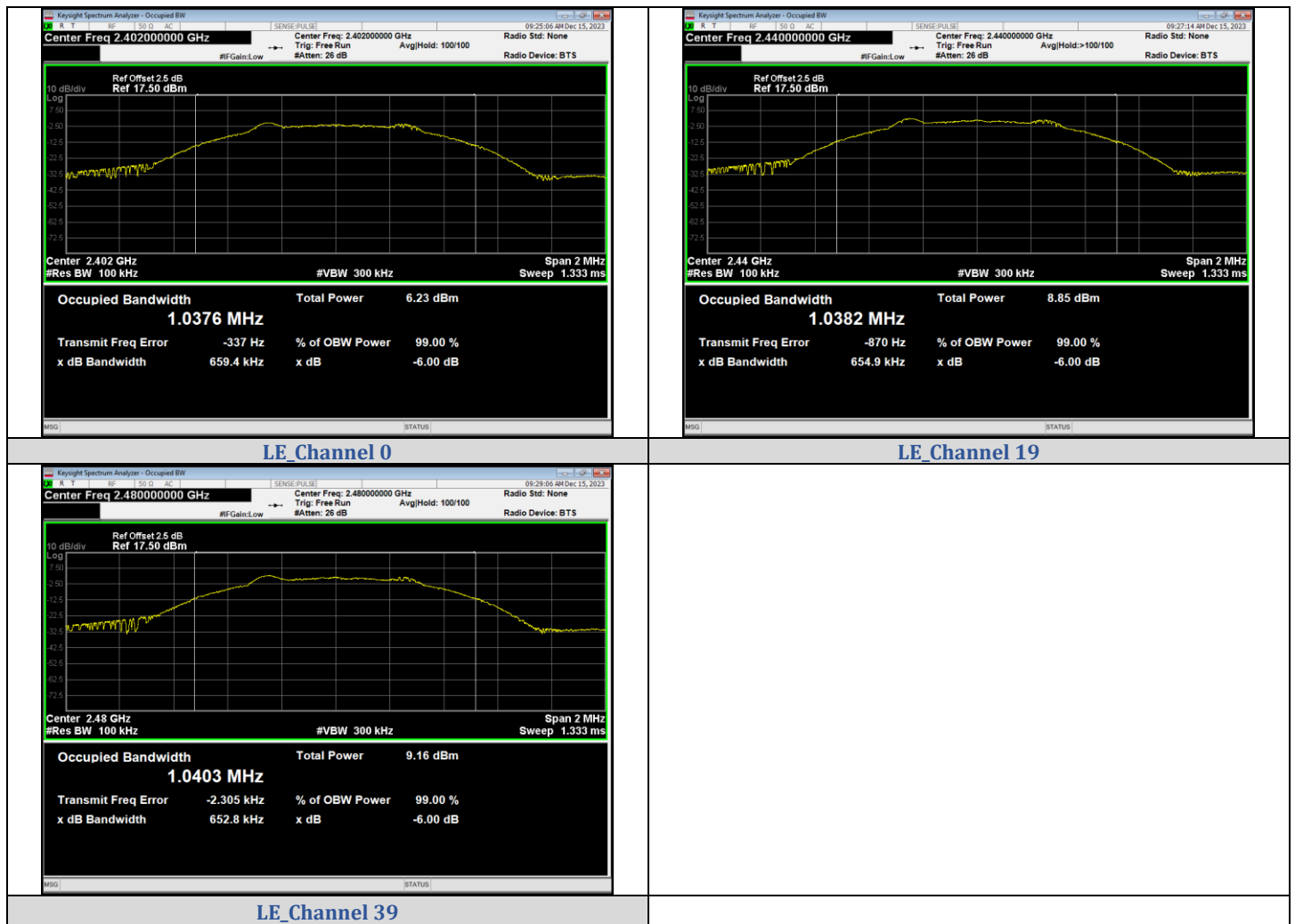


6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
LE	0	2402	0.6594	0.5	PASS
	19	2440	0.6549		PASS
	39	2480	0.6528		PASS

Test Graphs



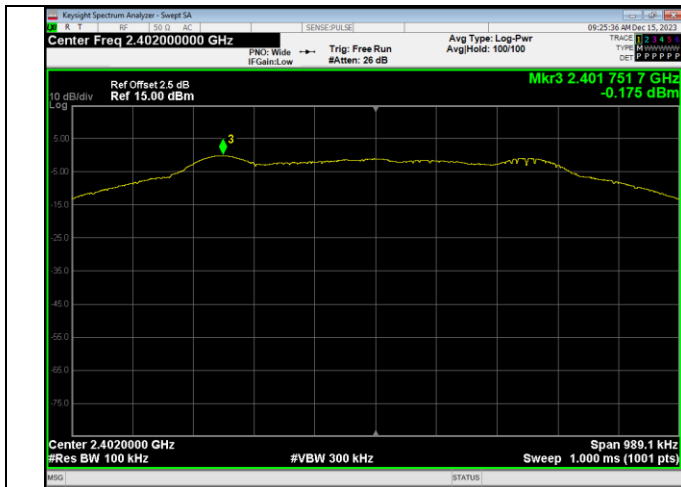
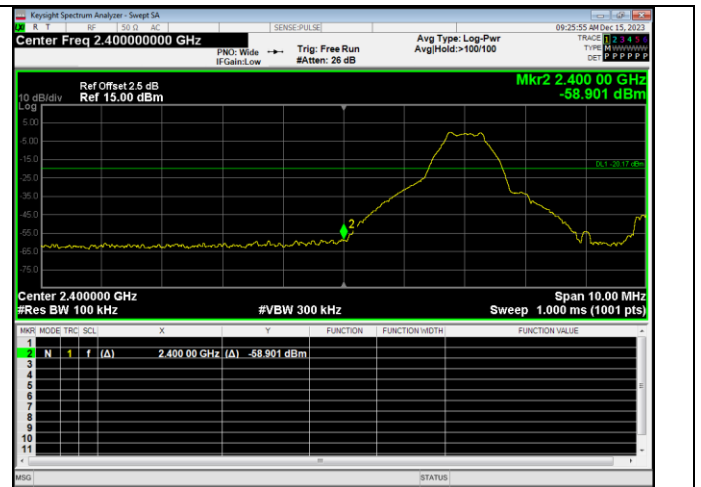
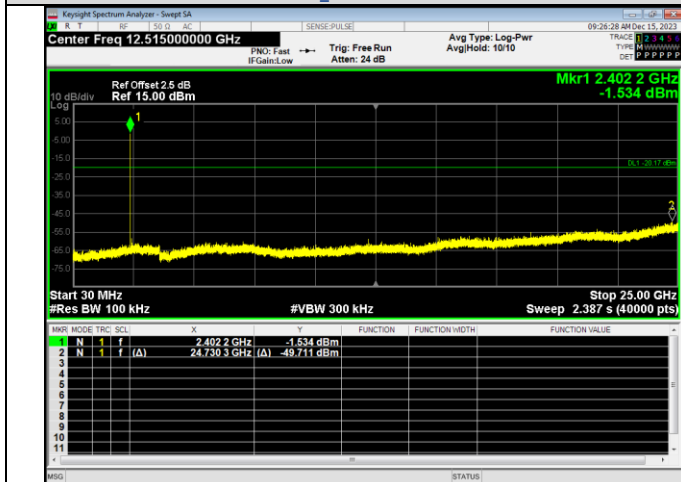
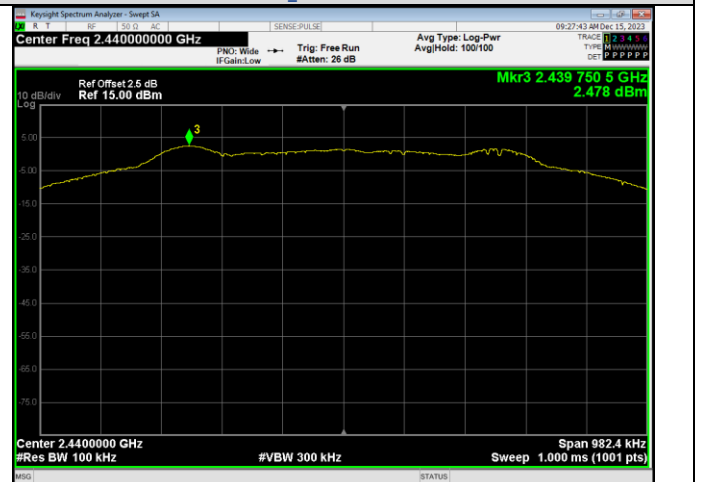


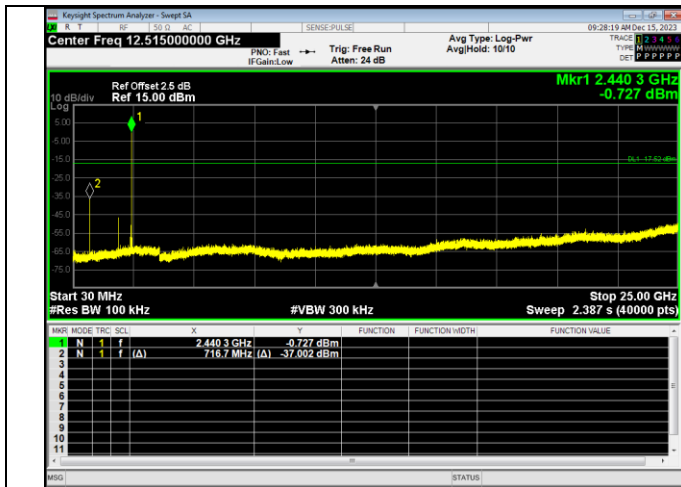
Conducted Out Of Band Emission

Test Result

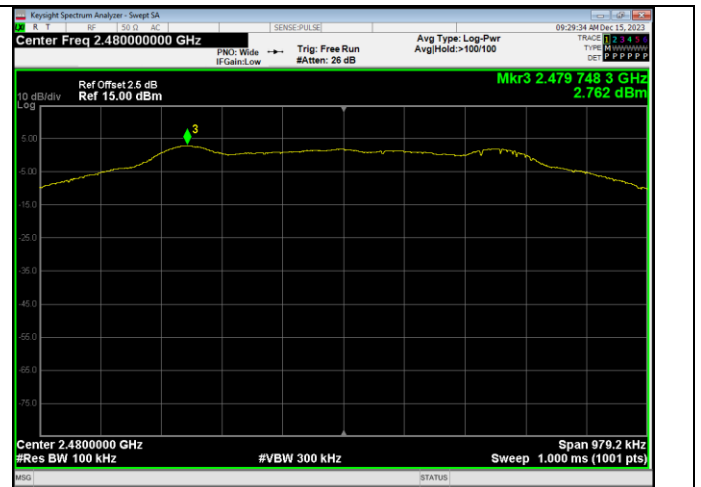
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-58.901	-20.17	-38.731	PASS
		24730.3	-49.711	-20.17	-29.541	PASS
	19	716.69	-37.002	-17.52	-19.482	PASS
	39	2483.50	-59.476	-17.24	-42.236	PASS
		3498.42	-24.038	-17.24	-6.798	PASS

Test Graphs

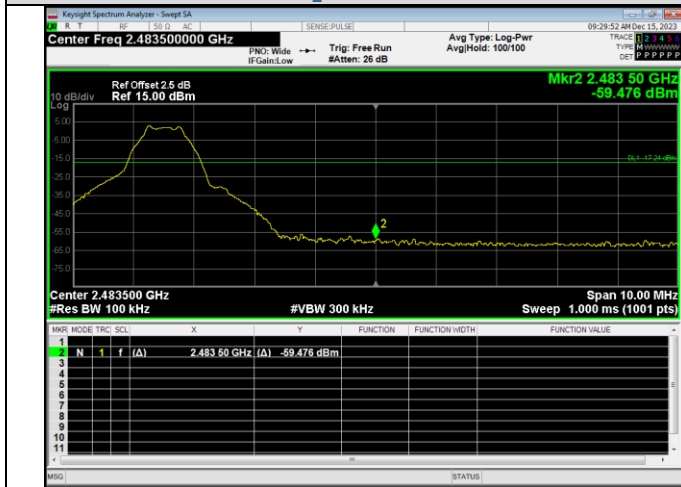
In-Band Reference Level
LE_Channel 0Out Of Band Emission
LE_Channel 0Spurious Emission
LE_Channel 0In-Band Reference Level
LE_Channel 19



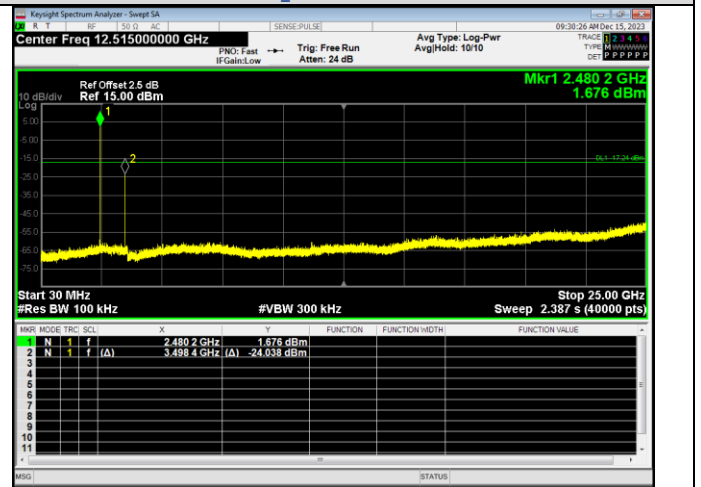
Spurious Emissions
LE_Channel 19



In-Band Reference Level
LE_Channel 39



Out Of Band Emission
LE_Channel 39



Spurious Emission
LE_Channel 39

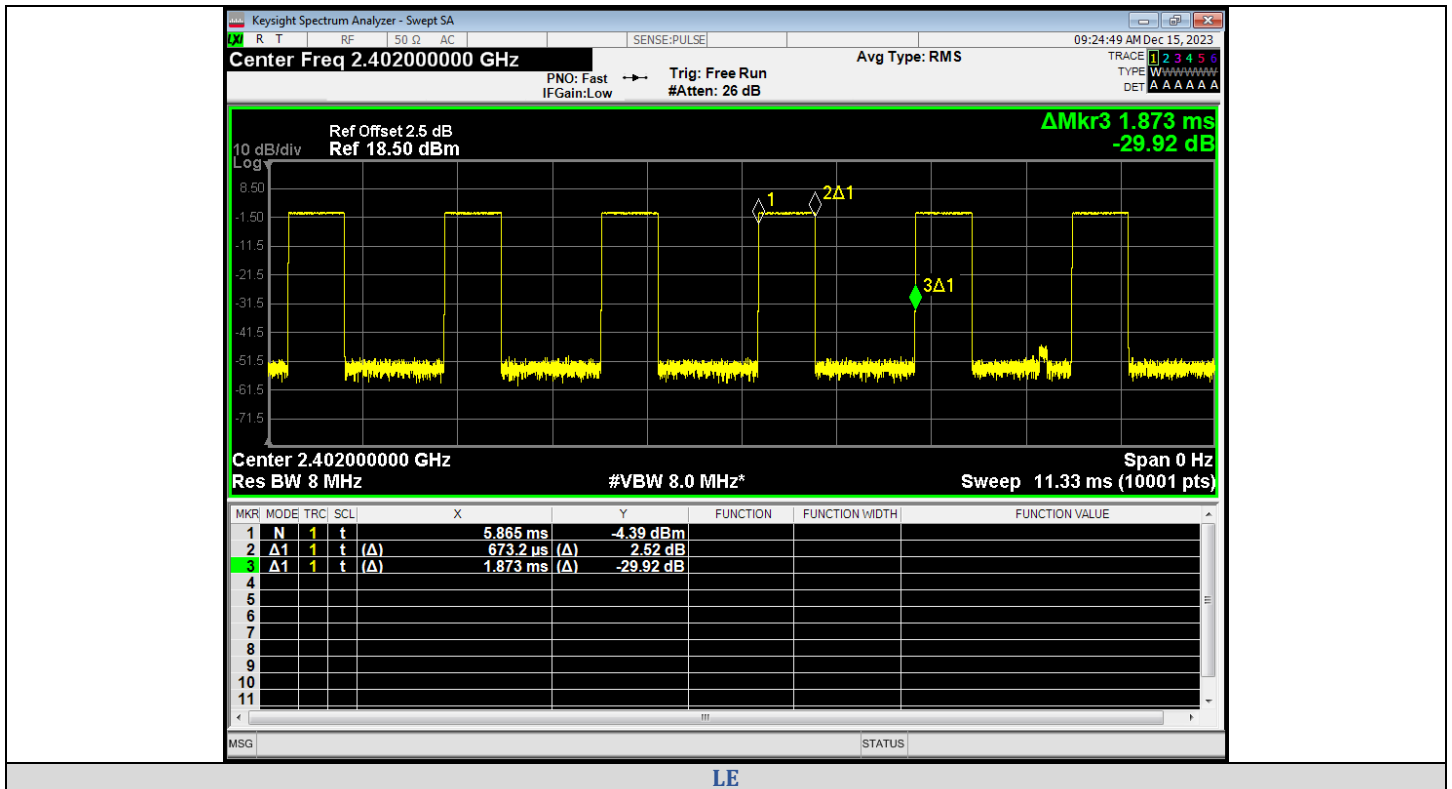


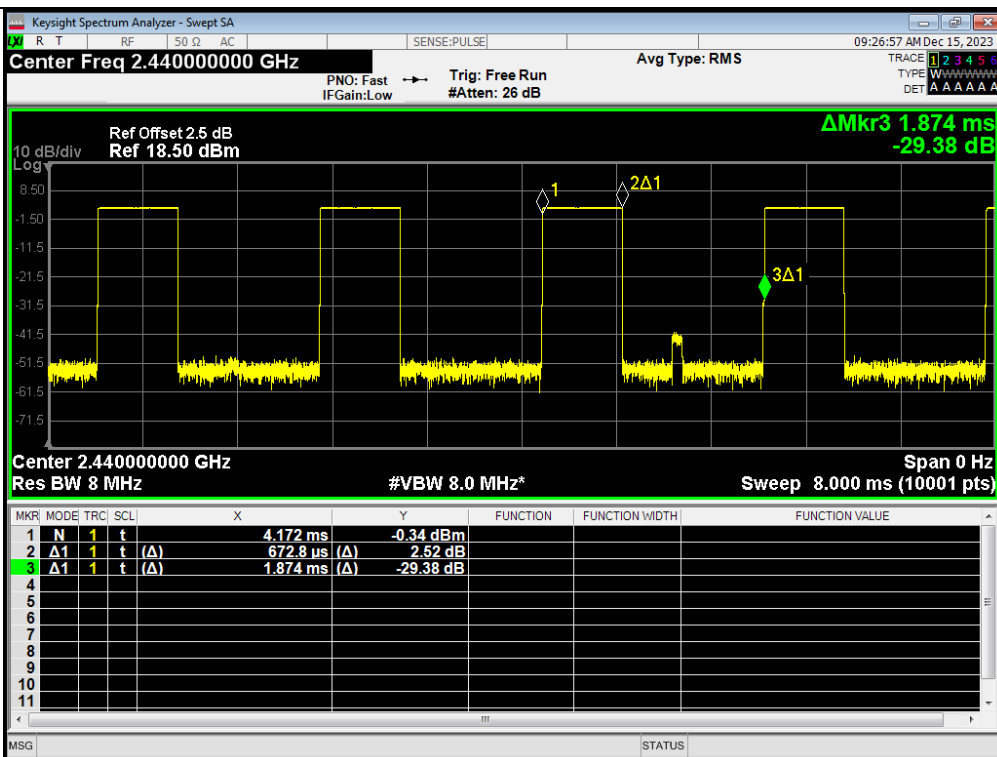
Duty Cycle

Test Result

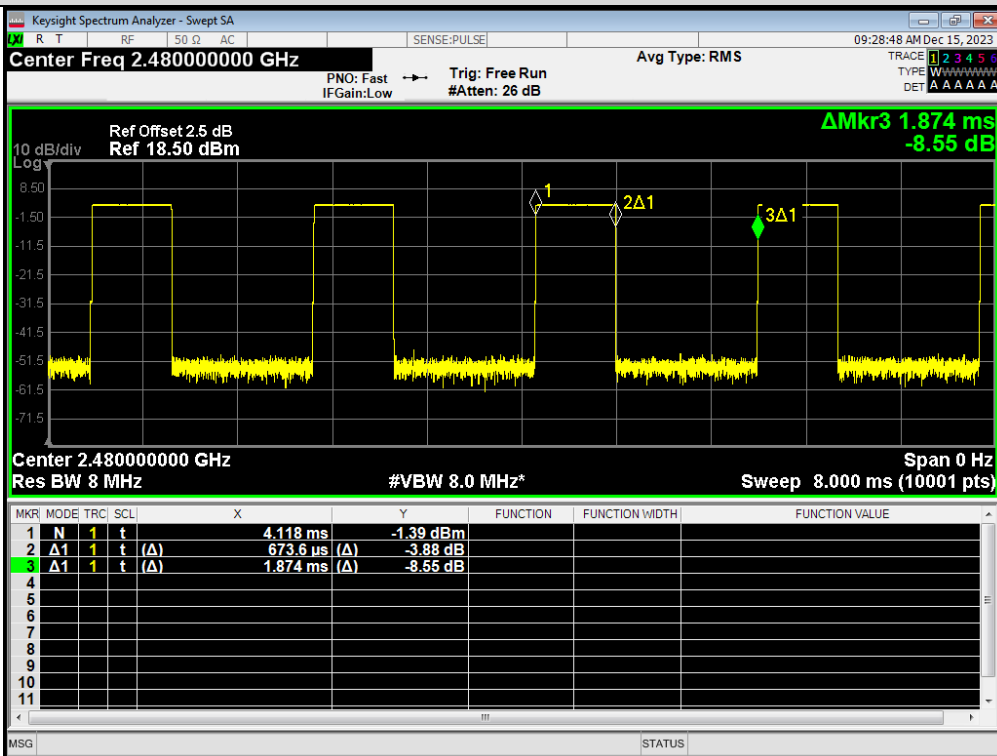
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
LE	0	0.673	1.873	35.93	0.3593	4.4454
	19	0.673	1.874	35.91	0.3591	4.4478
	39	0.674	1.874	35.94	0.3594	4.4442

Test Graphs





LE



LE



Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-16.475	8	PASS
LE	19	-14.089	8	PASS
LE	39	-13.966	8	PASS

Test Graphs

