



Appendix A

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

Product Name: Smart watch

Trade Mark: MyBat Pro

Test Model: Monarch

Environmental Conditions

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



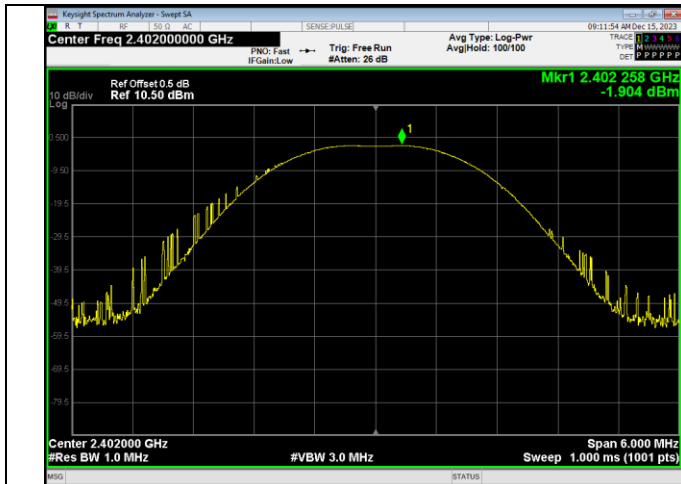
Conducted Peak Output Power

Test Result

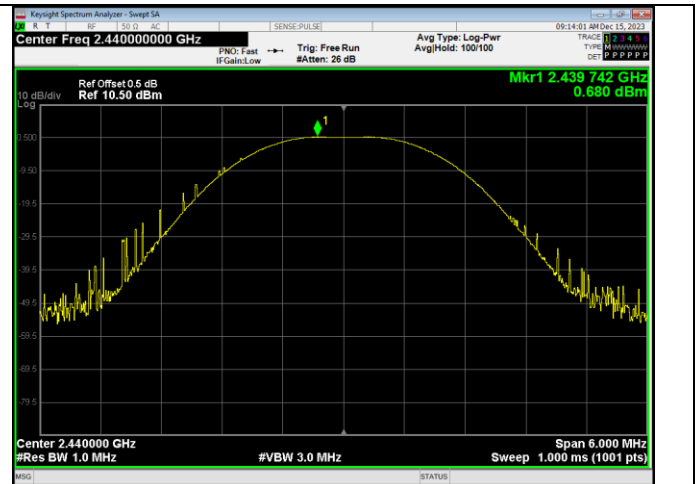
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
LE	0	-1.904	0.65	None	30	PASS
	19	0.680	1.17	None	30	PASS
	39	1.046	1.27	None	30	PASS

Mode	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	ISED EIRP (dBm)	ISED EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
LE	0	-1.904	30	-1.904	36.02	None	PASS
	19	0.680	30	0.68	36.02	None	PASS
	39	1.046	30	1.046	36.02	None	PASS

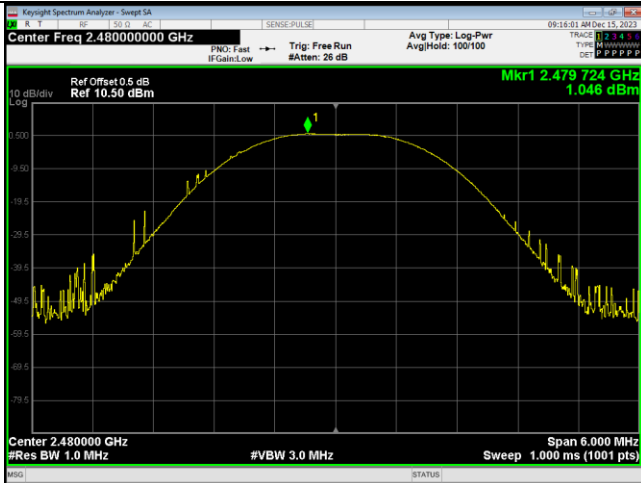
Test Graphs



Peak Output Power
LE_Channel 0



Peak Output Power
LE_Channel 19



Peak Output Power
LE_Channel 39

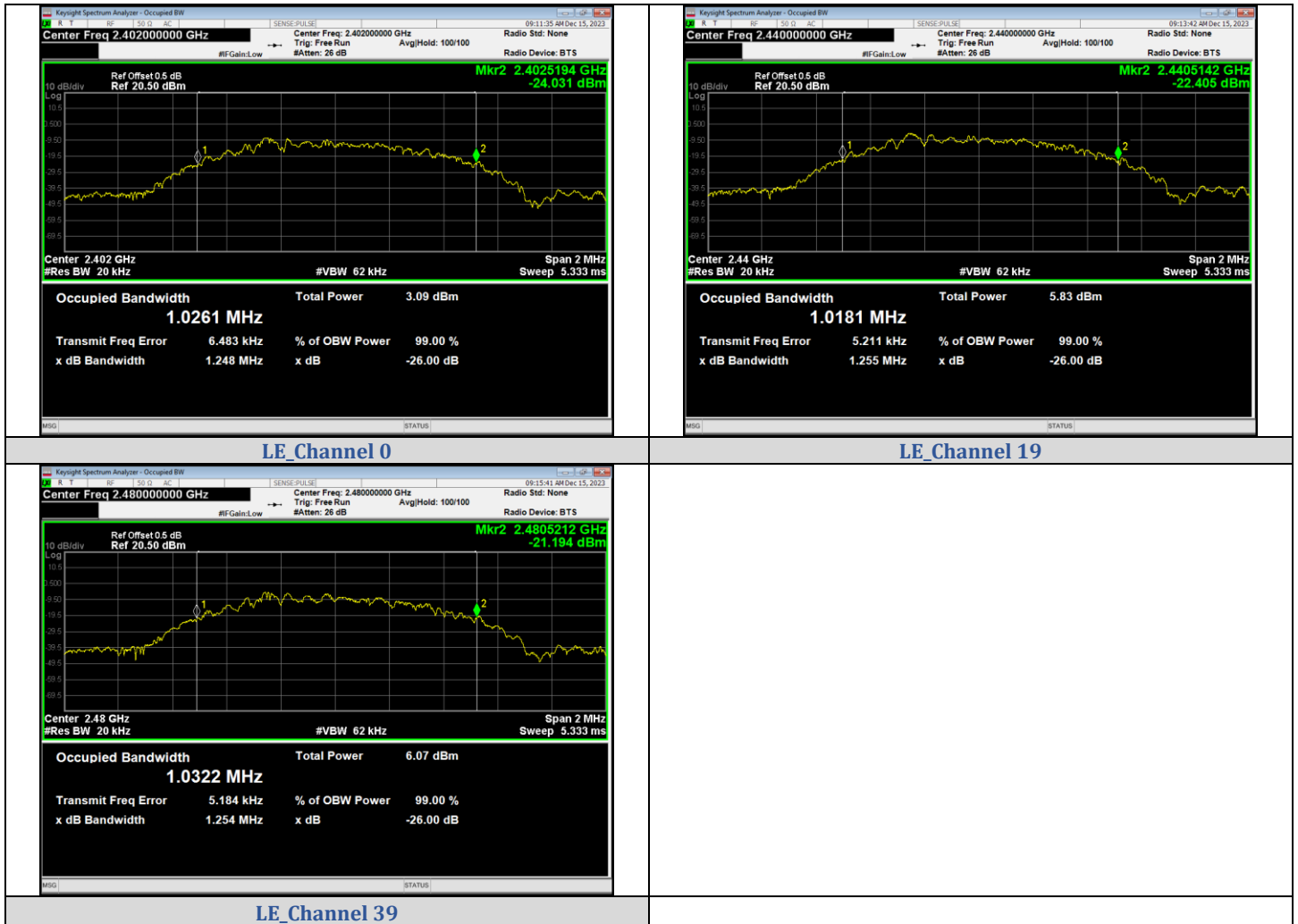


99% Bandwidth

Test Result

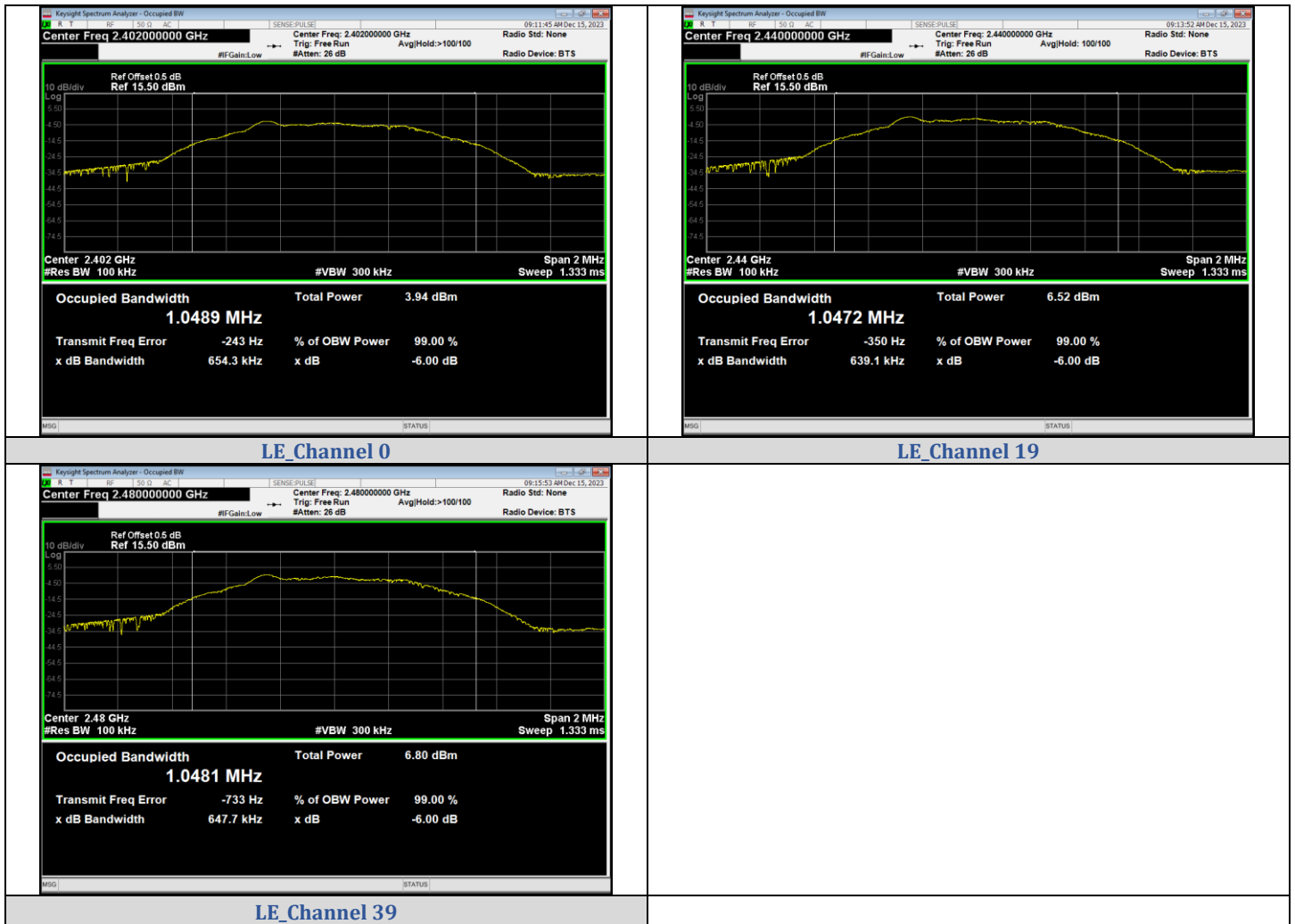
Mode	Channel	99% BW (MHz)
LE	0	1.0261
LE	19	1.0181
LE	39	1.0322

Test Graphs



**6dB Bandwidth****Test Result**

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
LE	0	2402	0.6543	0.5	PASS
	19	2440	0.6391		PASS
	39	2480	0.6477		PASS

Test Graphs

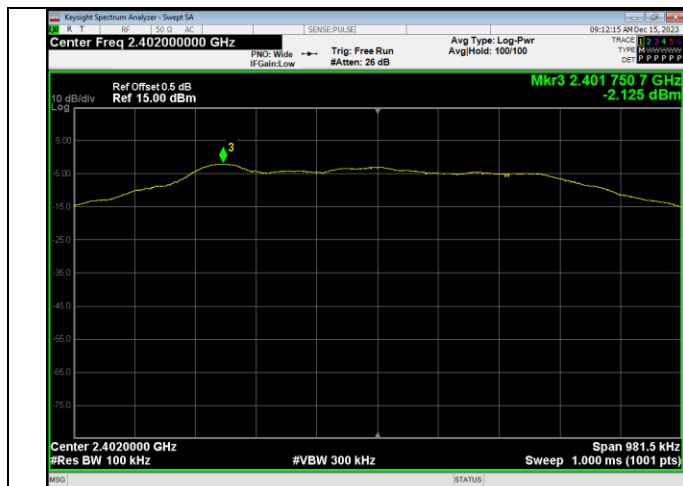
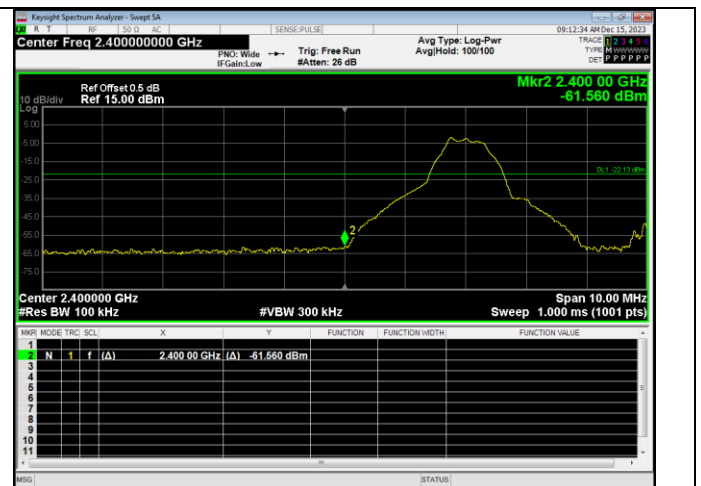
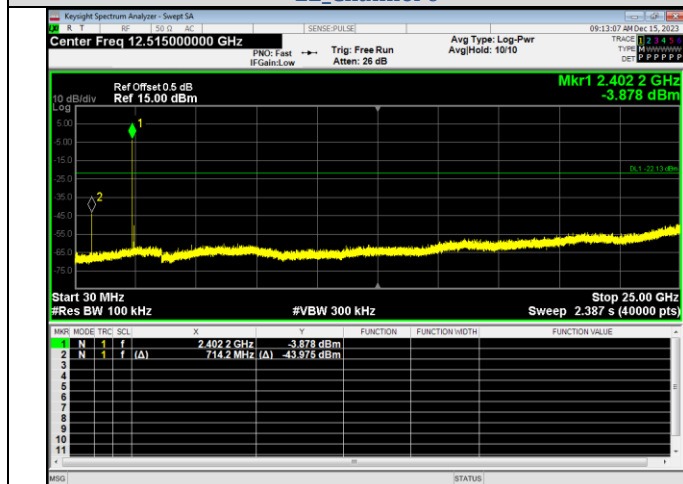
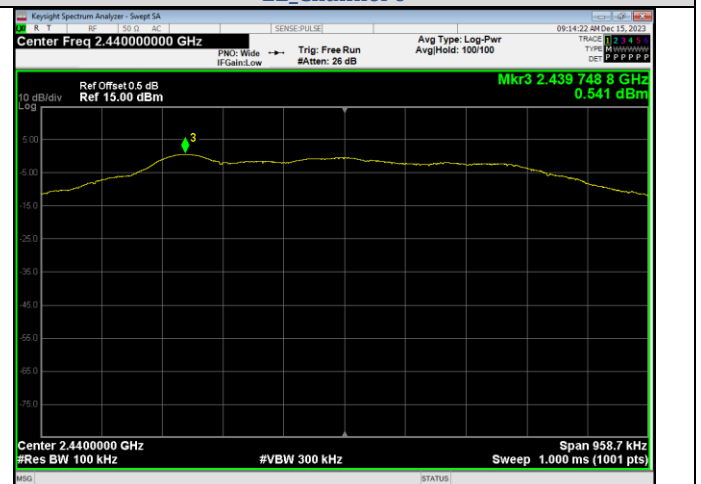


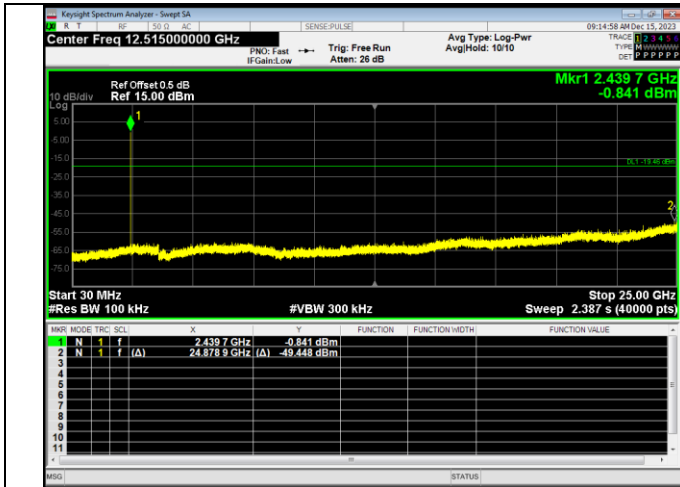
Conducted Out Of Band Emission

Test Result

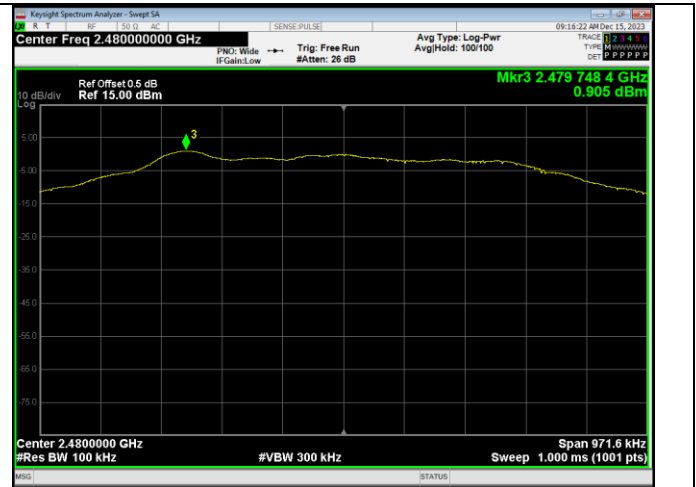
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-61.560	-22.13	-39.430	PASS
		714.20	-43.975	-22.13	-21.845	PASS
	19	24878.9	-49.448	-19.46	-29.988	PASS
	39	2483.50	-62.390	-19.1	-43.290	PASS
		24622.9	-49.852	-19.1	-30.752	PASS

Test Graphs

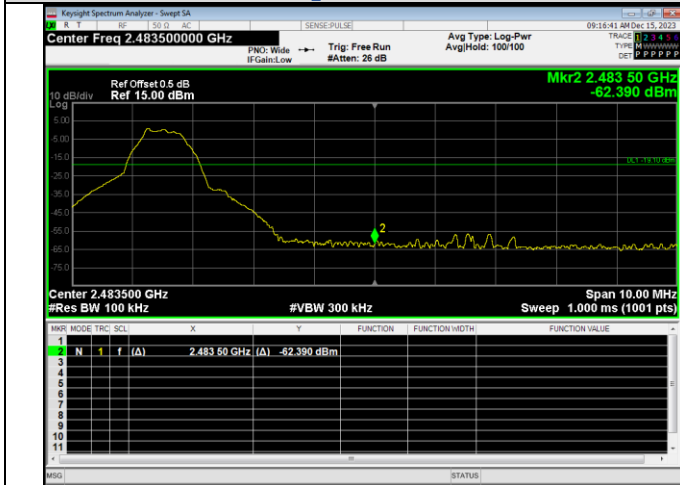
In-Band Reference Level
LE_Channel 0Out Of Band Emission
LE_Channel 0Spurious Emission
LE_Channel 0In-Band Reference Level
LE_Channel 19



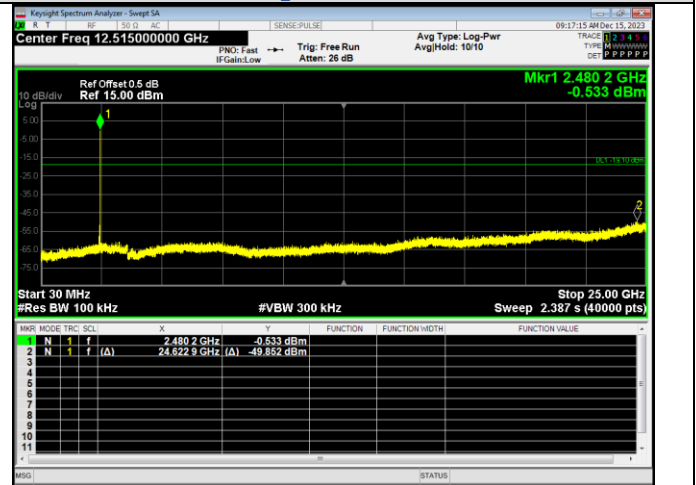
Spurious Emissions
LE_Channel 19



In-Band Reference Level
LE_Channel 39



Out Of Band Emission
LE_Channel 39



Spurious Emission
LE_Channel 39

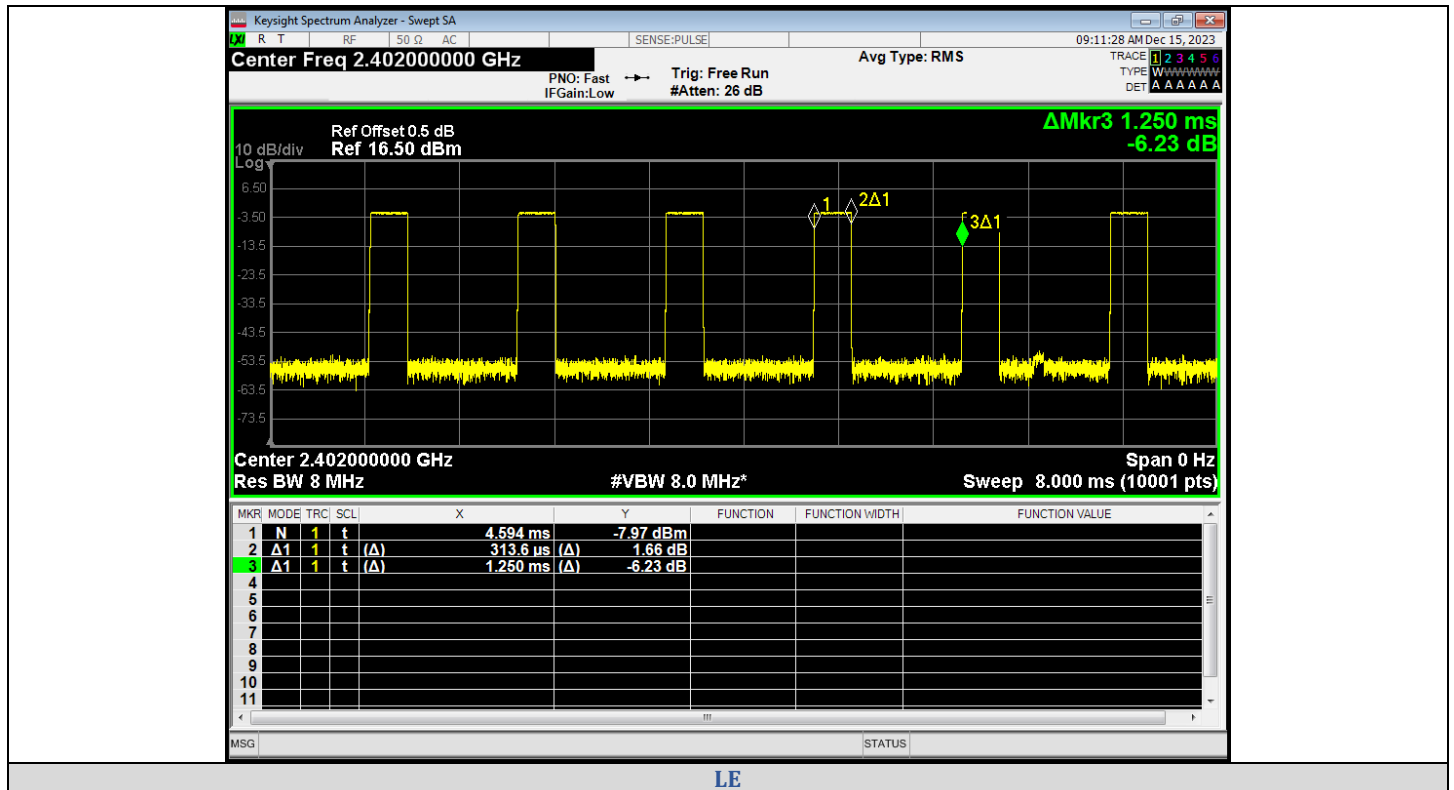


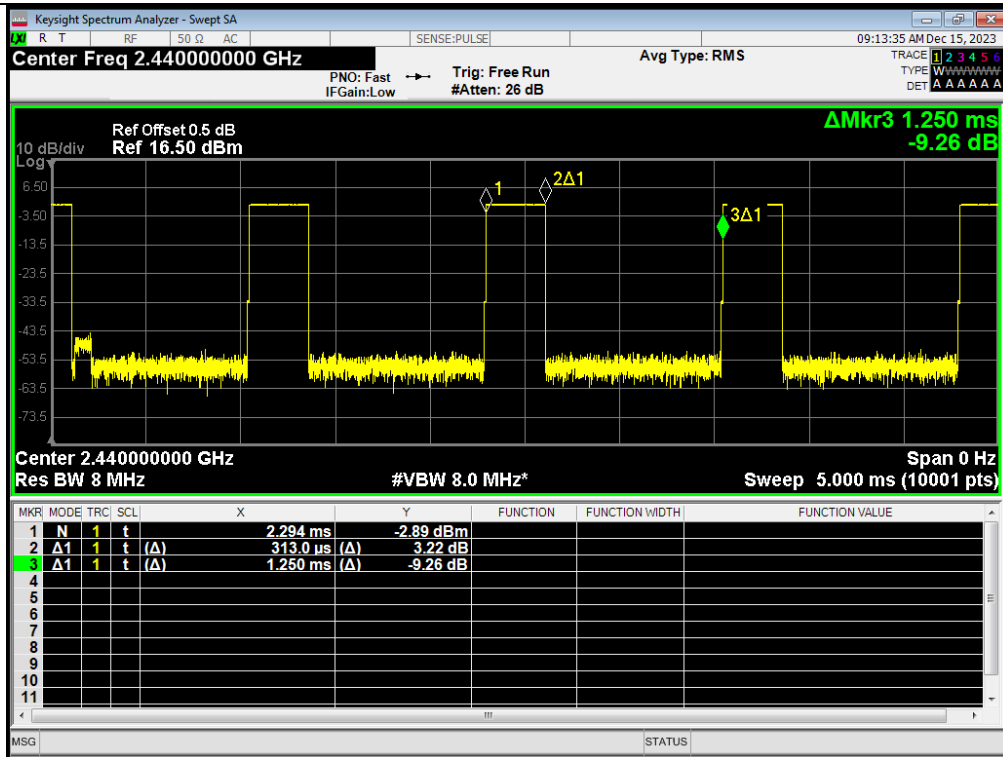
Duty Cycle

Test Result

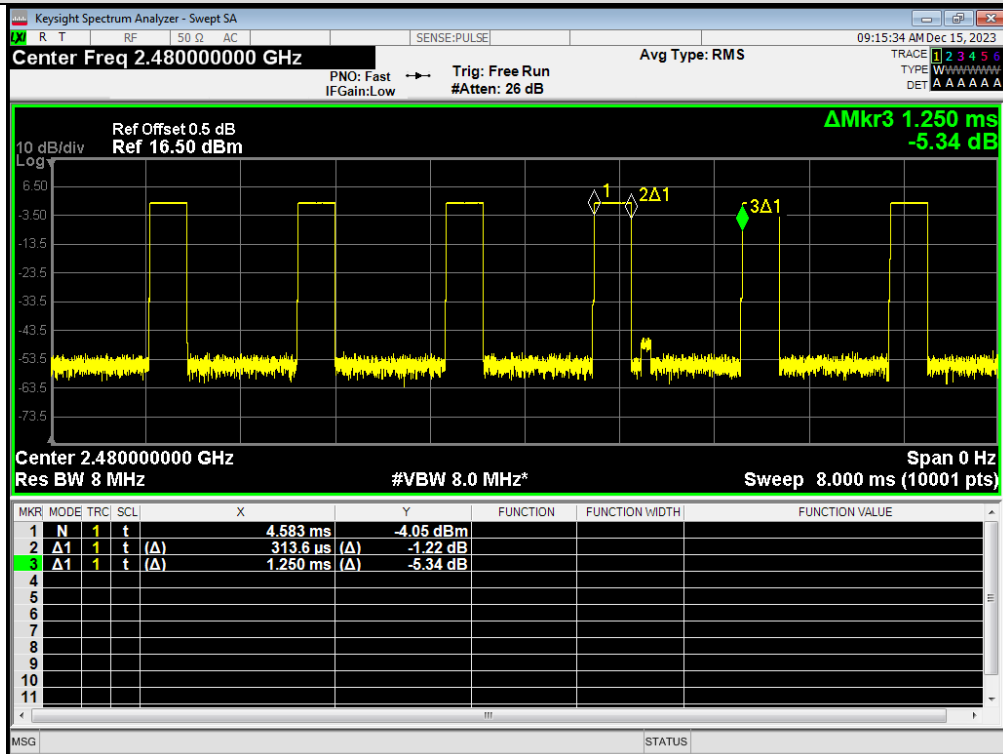
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
LE	0	0.314	1.250	25.10	0.2510	6.0033
	19	0.313	1.250	25.05	0.2505	6.0119
	39	0.314	1.250	25.10	0.2510	6.0033

Test Graphs





LE



LE



Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-17.750	8	PASS
LE	19	-15.161	8	PASS
LE	39	-15.049	8	PASS

Test Graphs

