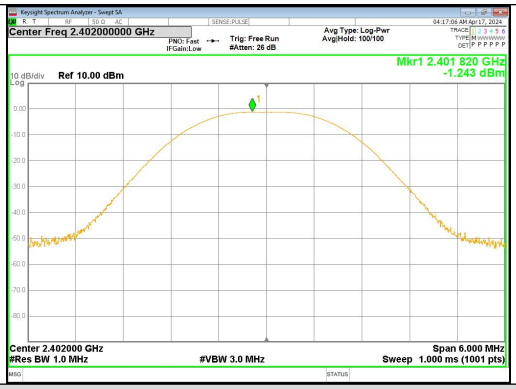
Conducted Peak Output Power

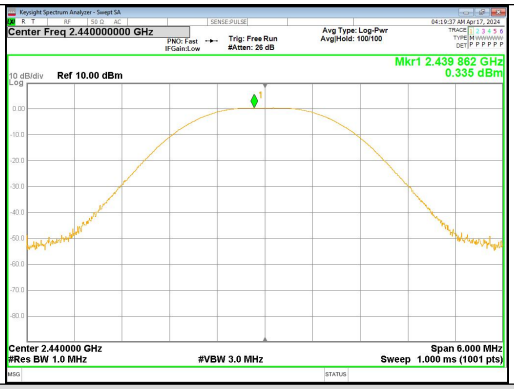
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
LE	0	-1.243	0.75	30	PASS
	19	0.335	1.08	30	PASS
	39	0.816	1.21	30	PASS
2LE	0	-1.184	0.76	30	PASS
	19	0.444	1.11	30	PASS
	39	0.769	1.19	30	PASS

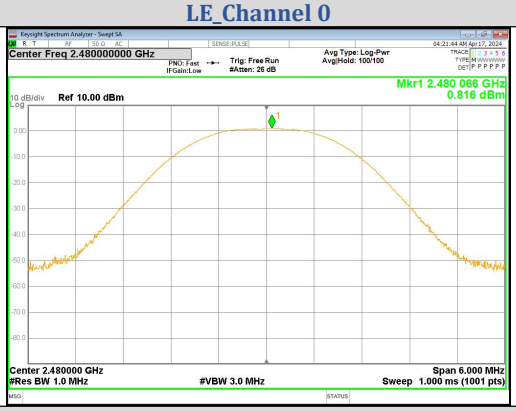
Test Graphs



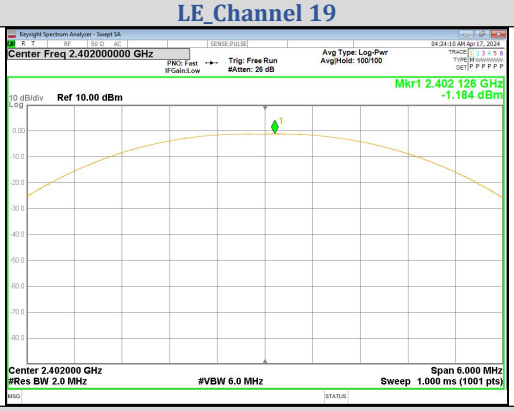
Peak Output Power
LE_Channel 0



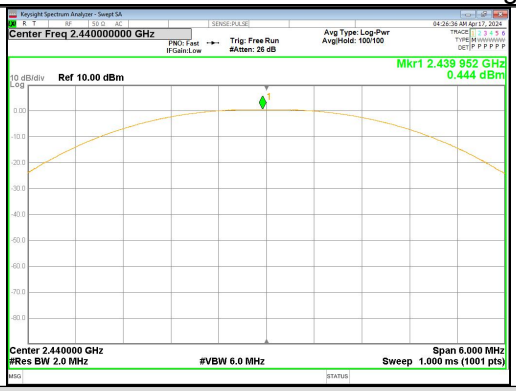
Peak Output Power
LE_Channel 19



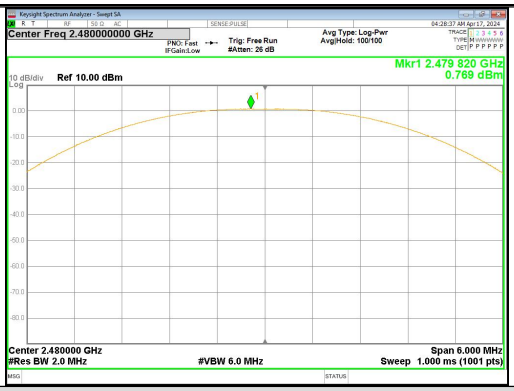
Peak Output Power
LE_Channel 39



Peak Output Power
2LE_Channel 0



Peak Output Power
2LE_Channel 19



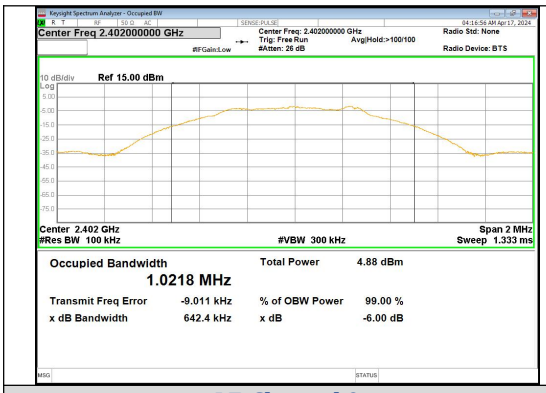
Peak Output Power
2LE_Channel 39

6dB Bandwidth

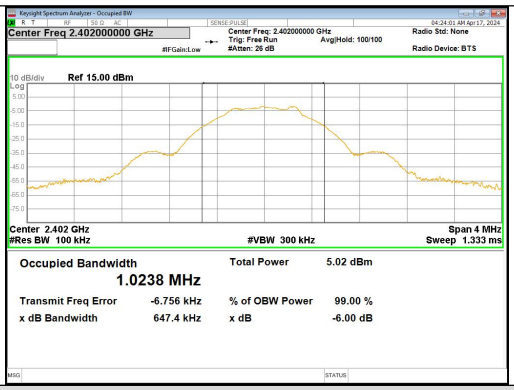
Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
LE	0	2402	0.6424	0.5	PASS
	19	2440	0.6414		PASS
	39	2480	0.6399		PASS
2LE	0	2402	0.6474		PASS
	19	2440	0.6474		PASS
	39	2480	0.6431		PASS

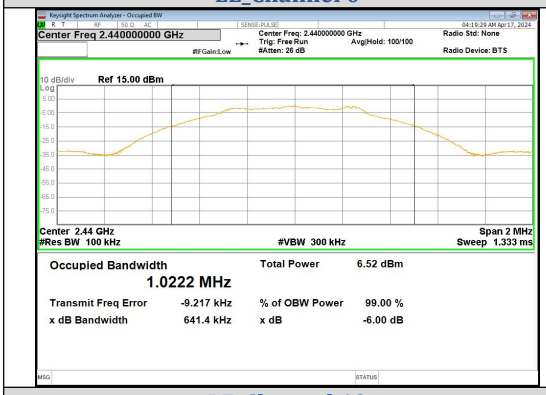
Test Graphs



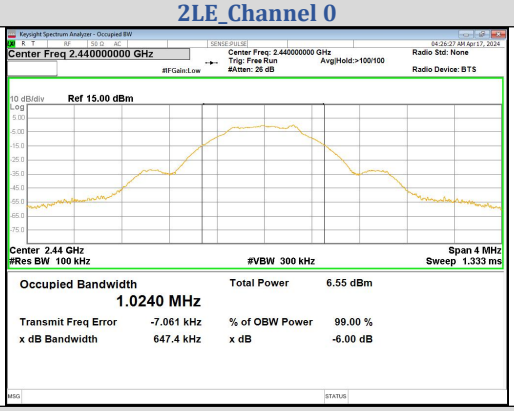
LE_Channel 0



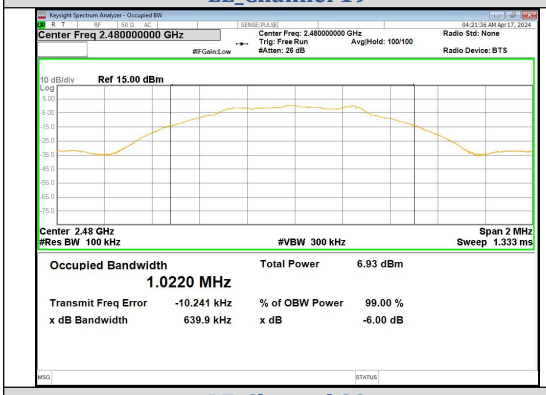
2LE_Channel 0



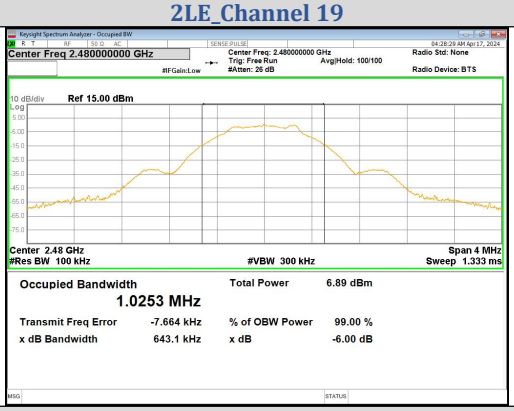
LE_Channel 19



2LE_Channel 19



LE_Channel 39



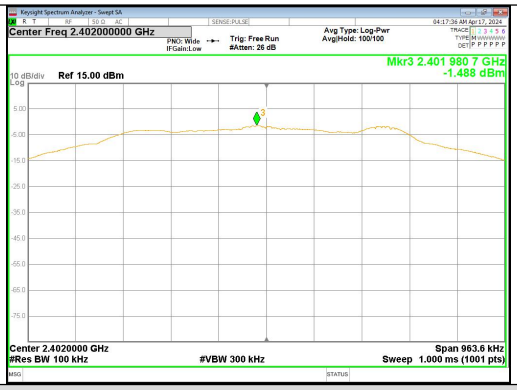
2LE_Channel 39

Conducted Out Of Band Emission

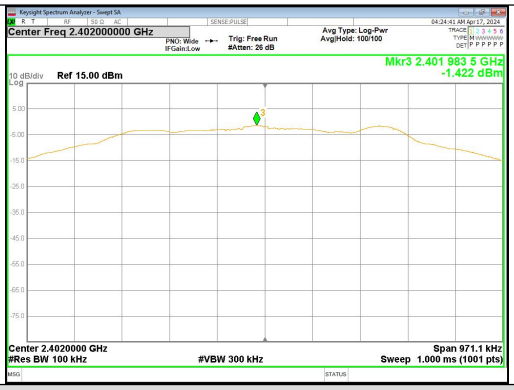
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-58.561	-21.49	-37.071	PASS
		4802.51	-64.543	-21.49	-43.053	PASS
		7207.18	-63.941	-21.49	-42.451	PASS
		9608.11	-65.583	-21.49	-44.093	PASS
		24891.4	-50.552	-21.49	-29.062	PASS
	19	4878.67	-63.984	-19.95	-44.034	PASS
		7320.17	-63.852	-19.95	-43.902	PASS
		9759.80	-67.038	-19.95	-47.088	PASS
		24880.8	-50.382	-19.95	-30.432	PASS
	39	2483.50	-62.345	-19.47	-42.875	PASS
		4960.45	-64.486	-19.47	-45.016	PASS
		7439.41	-64.077	-19.47	-44.607	PASS
		9920.86	-66.360	-19.47	-46.890	PASS
		24686.0	-51.392	-19.47	-31.922	PASS
2LE	0	2400.00	-57.681	-21.42	-36.261	PASS
		4803.76	-65.093	-21.42	-43.673	PASS
		7204.06	-63.496	-21.42	-42.076	PASS
		9608.73	-66.121	-21.42	-44.701	PASS
		24837.7	-50.431	-21.42	-29.011	PASS
	19	4879.30	-63.746	-19.86	-43.886	PASS
		7320.80	-63.340	-19.86	-43.480	PASS
		9761.05	-65.990	-19.86	-46.130	PASS
		24889.5	-49.543	-19.86	-29.683	PASS
	39	2483.50	-63.060	-19.56	-43.500	PASS
		4959.20	-63.371	-19.56	-43.811	PASS
		7438.78	-62.302	-19.56	-42.742	PASS
		9920.86	-63.139	-19.56	-43.579	PASS
		24622.9	-50.995	-19.56	-31.435	PASS

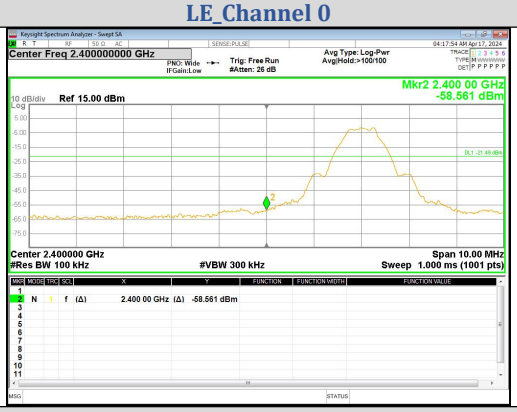
Test Graphs



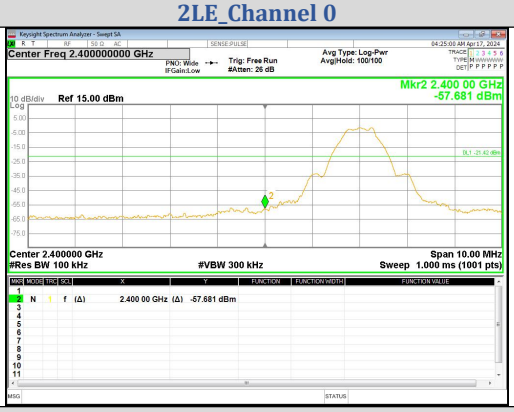
In-Band Reference Level
LE_Channel 0



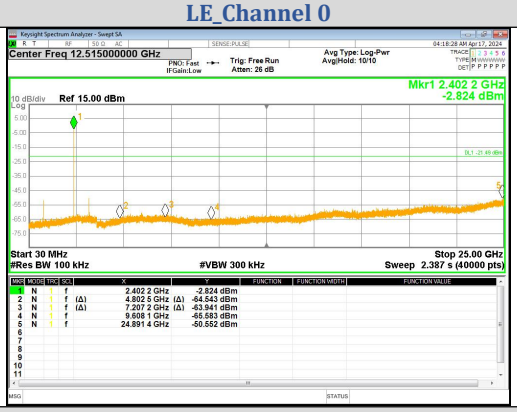
In-Band Reference Level
2LE_Channel 0



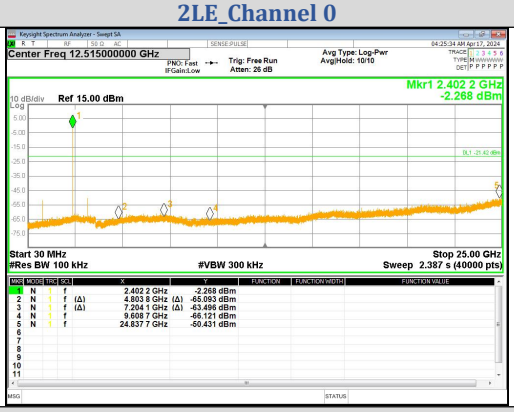
Out Of Band Emission
LE_Channel 0



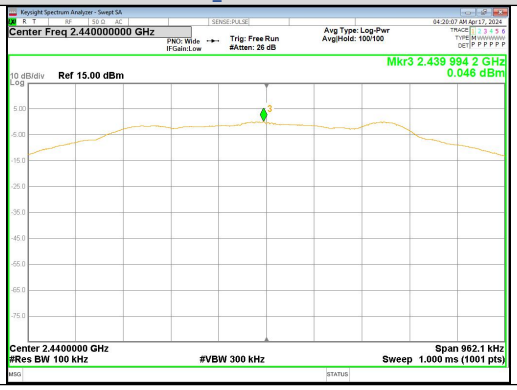
Out Of Band Emission
2LE_Channel 0

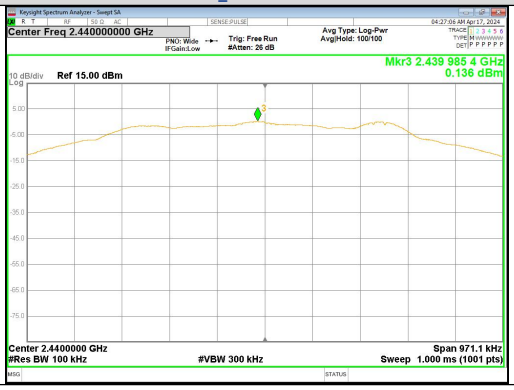


Spurious Emission
LE_Channel 0

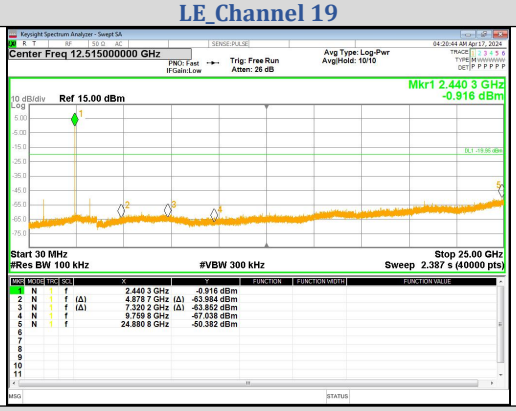


Spurious Emission
2LE_Channel 0

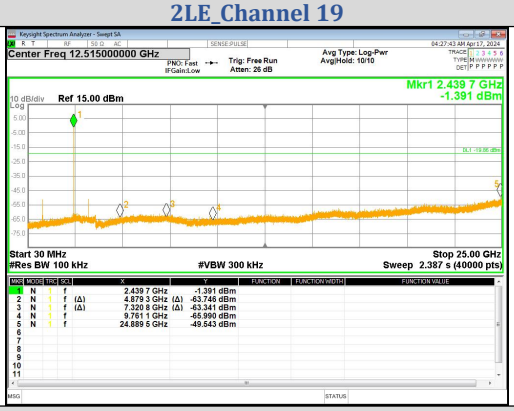




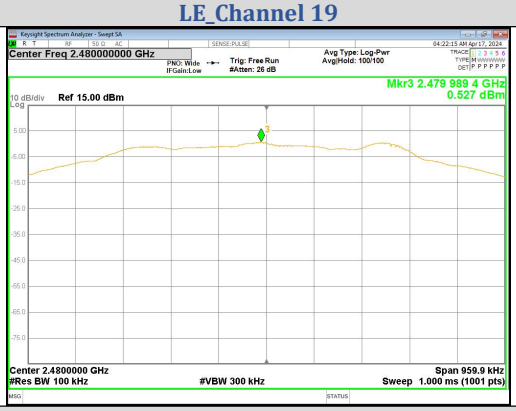
In-Band Reference Level LE_Channel 19



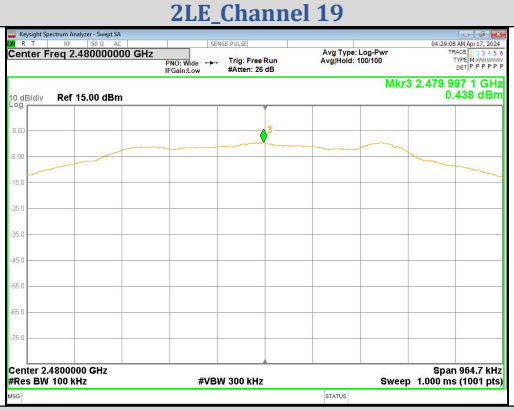
In-Band Reference Level 2LE_Channel 19



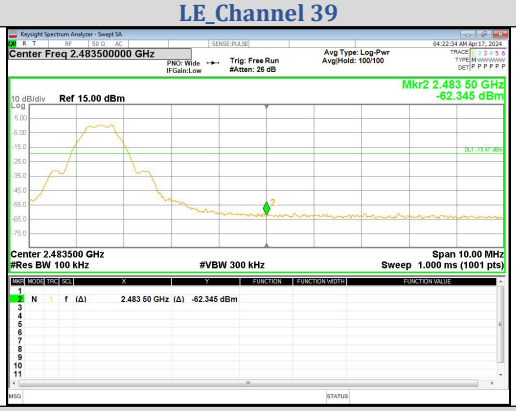
Spurious Emissions LE_Channel 19



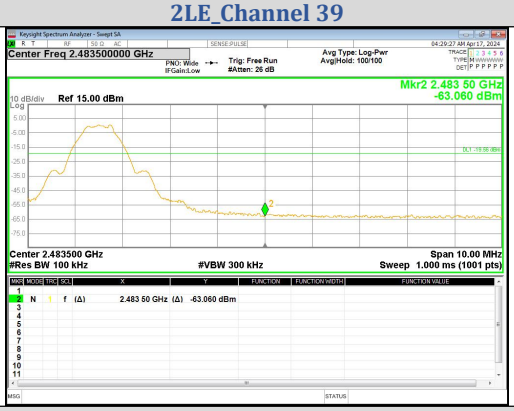
Spurious Emissions 2LE_Channel 19



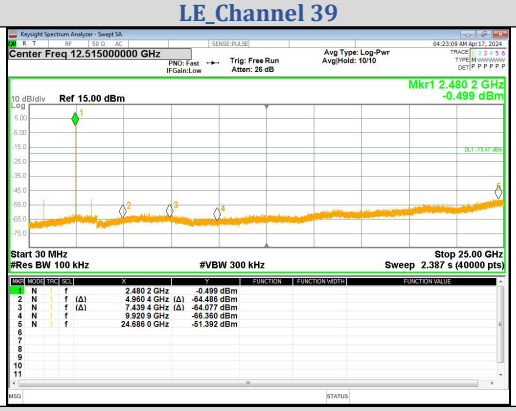
In-Band Reference Level LE_Channel 39



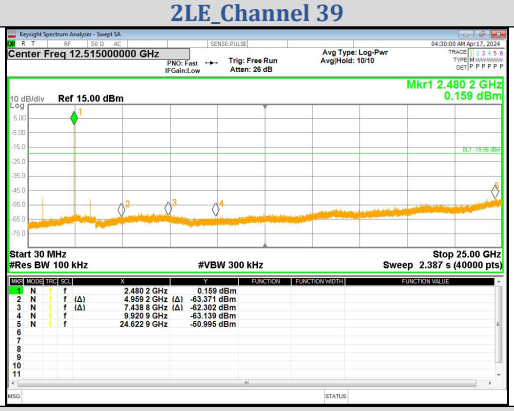
In-Band Reference Level 2LE_Channel 39



Out Of Band Emission LE_Channel 39



Out Of Band Emission 2LE_Channel 39



Spurious Emission LE_Channel 39

Spurious Emission 2LE_Channel 39

Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
LE	0	2.091	2.499	83.67	0.8367	0.7743
	19	2.091	2.499	83.67	0.8367	0.7743
	39	2.091	2.499	83.67	0.8367	0.7743
2LE	0	2.091	3.125	66.92	0.6692	1.7444
	19	2.091	2.499	83.67	0.8367	0.7743
	39	2.090	2.499	83.63	0.8363	0.7764

Test Graphs

LE

LE

LE

Keysight Spectrum Analyzer - Swept SA
Center Freq 2.402000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
04:23:44 AM Apr 17, 2024
ΔMkr3 3.125 ms
-8.01 dB
10 dB/div
Ref 16.00 dBm
Center 2.402000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz*
Span 0 Hz
Sweep 11.33 ms (10001 pts)
1 N 1 t 4.658 ms -10.02 dBm
2 Δ1 1 t (Δ) 2.091 ms (Δ) 6.68 dB
3 Δ1 1 t (Δ) 3.126 ms (Δ) -8.01 dB

2LE

Keysight Spectrum Analyzer - Swept SA
Center Freq 2.440000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
04:26:10 AM Apr 17, 2024
ΔMkr3 2.499 ms
-16.50 dB
10 dB/div
Ref 16.00 dBm
Center 2.440000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz*
Span 0 Hz
Sweep 11.33 ms (10001 pts)
1 N 1 t 4.266 ms -2.38 dBm
2 Δ1 1 t (Δ) 2.091 ms (Δ) -3.47 dB
3 Δ1 1 t (Δ) 2.499 ms (Δ) -16.50 dB

2LE

Keysight Spectrum Analyzer - Swept SA
Center Freq 2.480000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
04:28:11 AM Apr 17, 2024
ΔMkr3 2.499 ms
-10.25 dB
10 dB/div
Ref 16.00 dBm
Center 2.480000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz*
Span 0 Hz
Sweep 11.33 ms (10001 pts)
1 N 1 t 4.379 ms -0.24 dBm
2 Δ1 1 t (Δ) 2.090 ms (Δ) 0.12 dB
3 Δ1 1 t (Δ) 2.499 ms (Δ) -10.25 dB

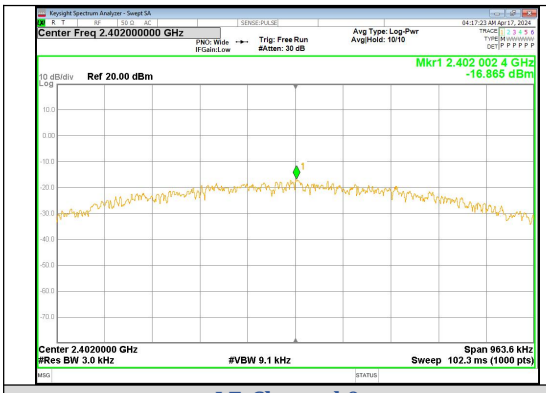
2LE

Power Spectral Density

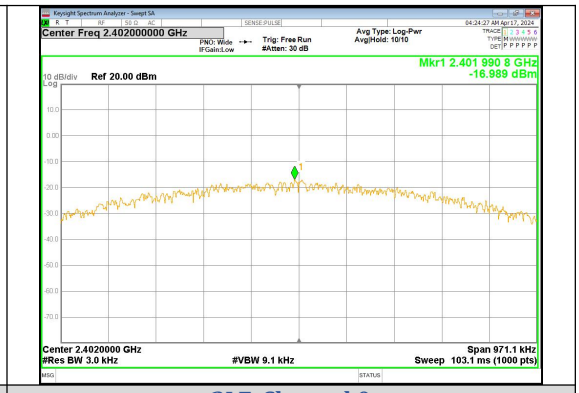
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-16.865	8	PASS
LE	19	-15.054	8	PASS
LE	39	-14.824	8	PASS
2LE	0	-16.989	8	PASS
2LE	19	-15.285	8	PASS
2LE	39	-15.284	8	PASS

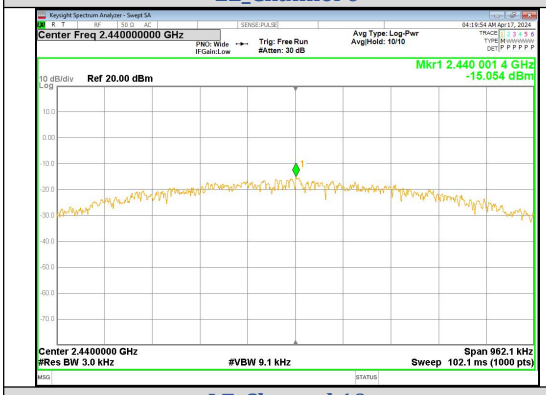
Test Graphs



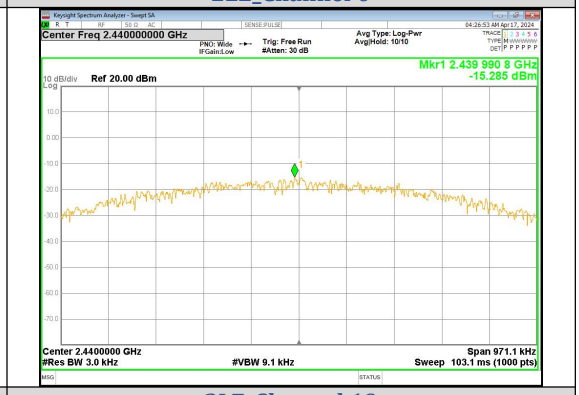
LE_Channel 0



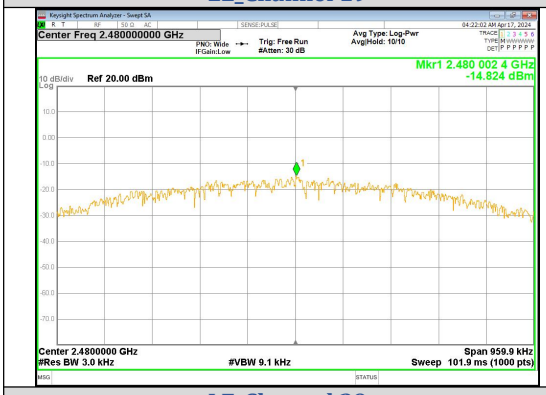
2LE_Channel 0



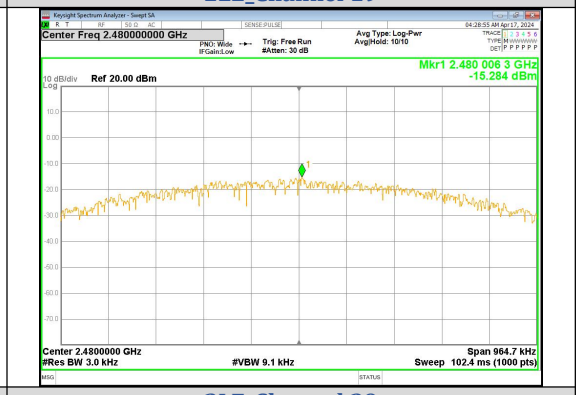
LE_Channel 19



2LE_Channel 19



LE_Channel 39



2LE_Channel 39