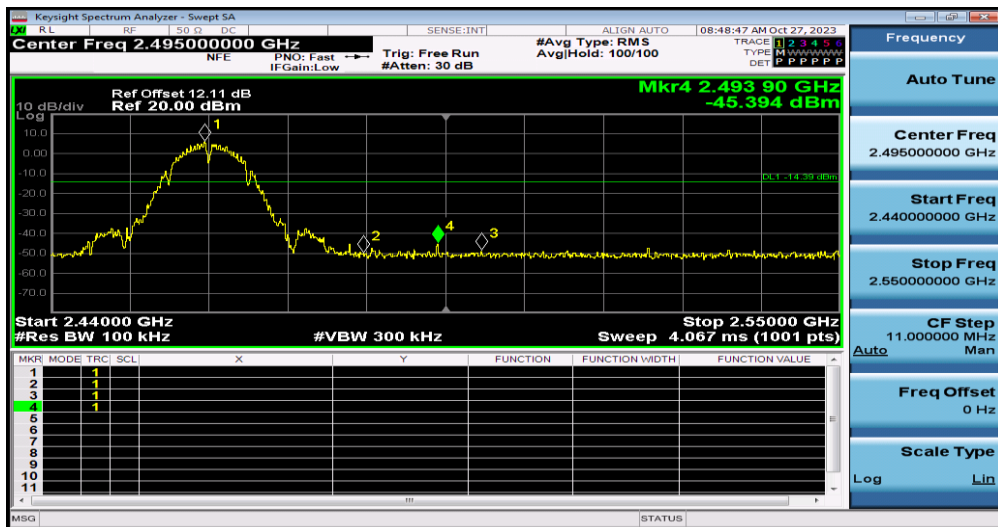
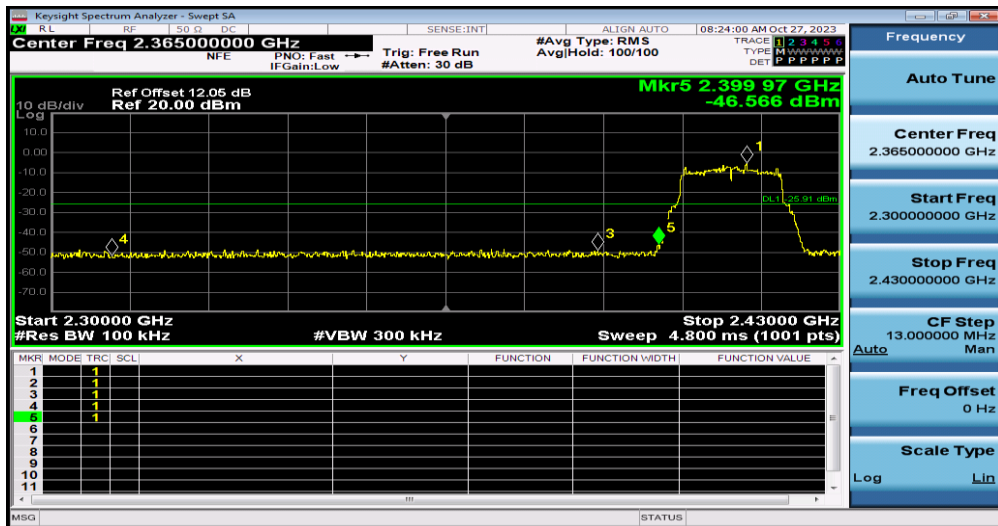
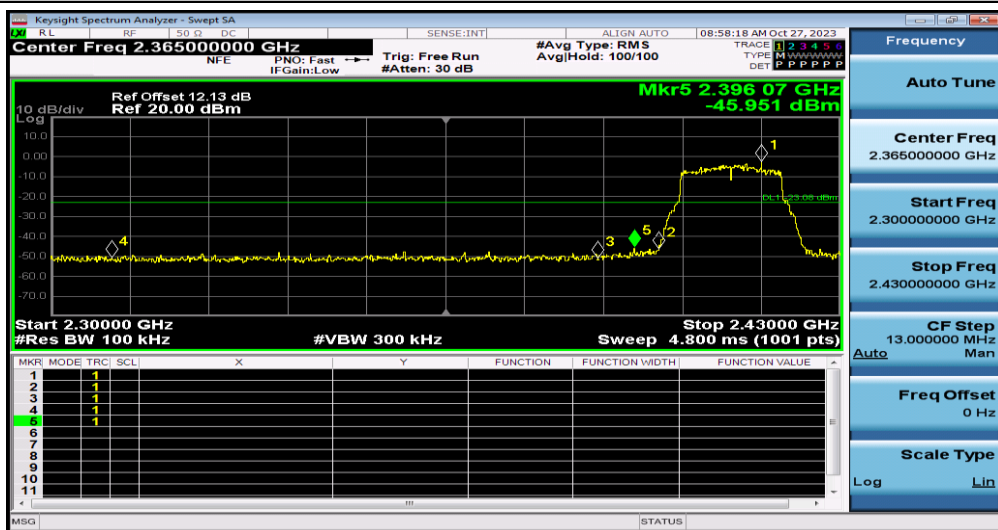




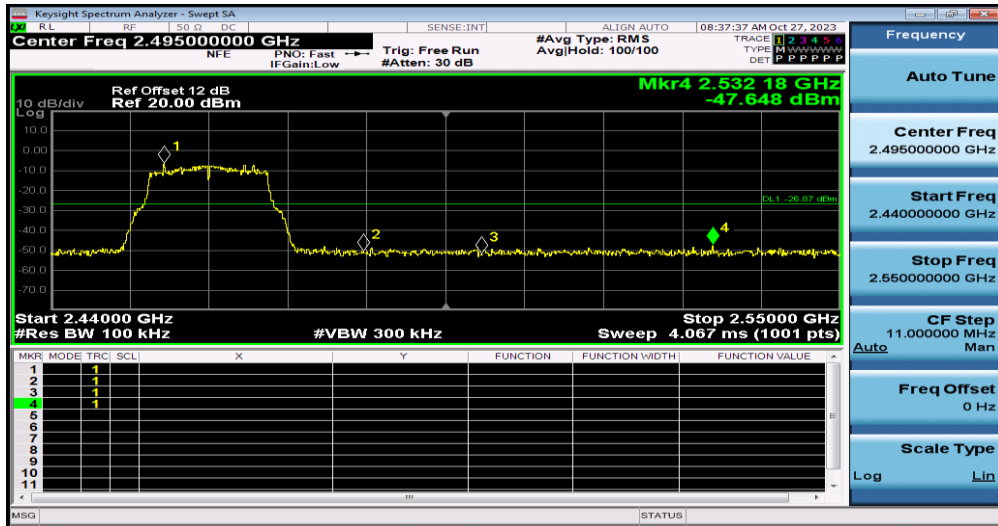
11B-Ant1-2462



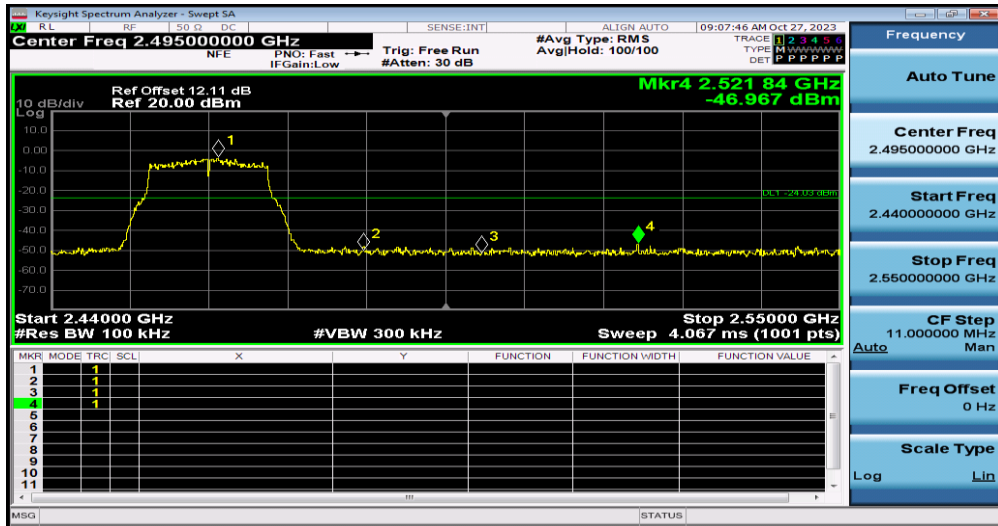
11G-Ant0-2412



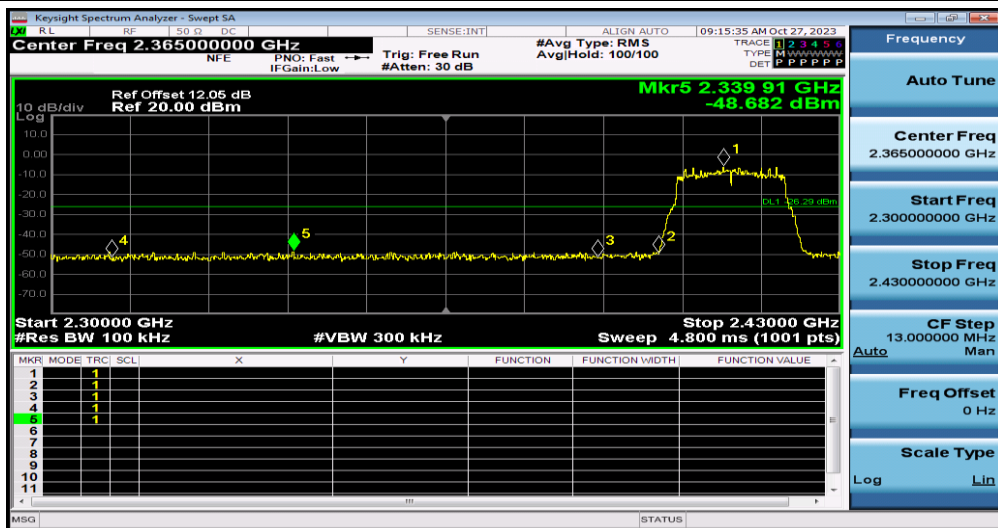
11G-Ant1-2412



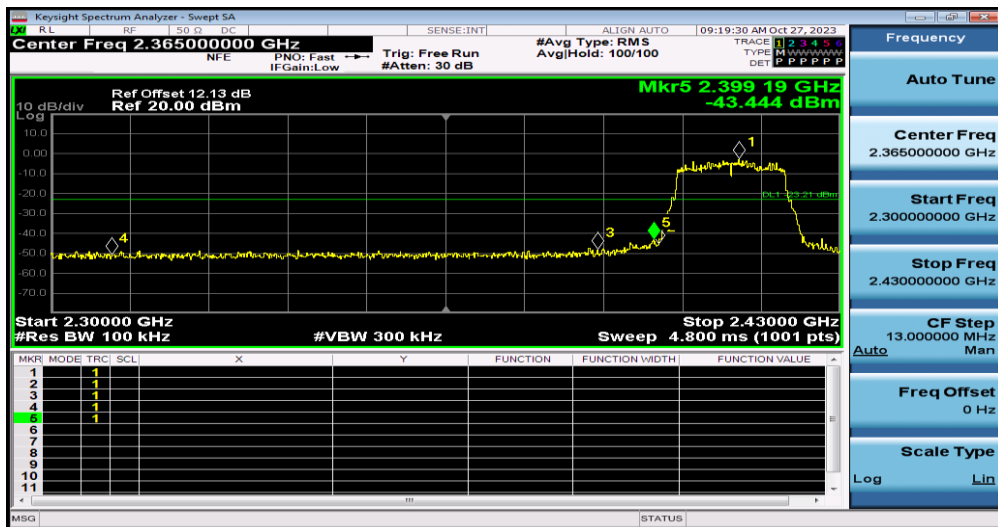
11G-Ant0-2462



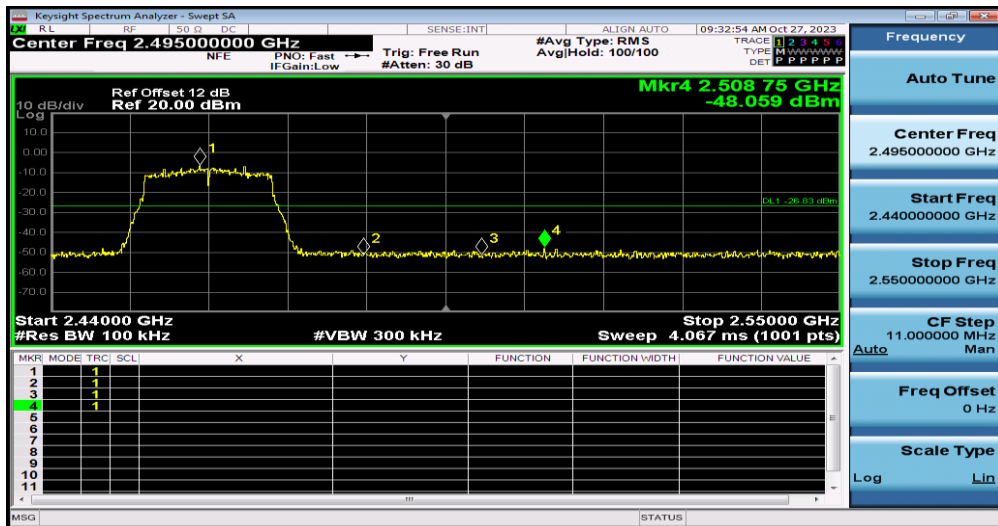
11G-Ant1-2462



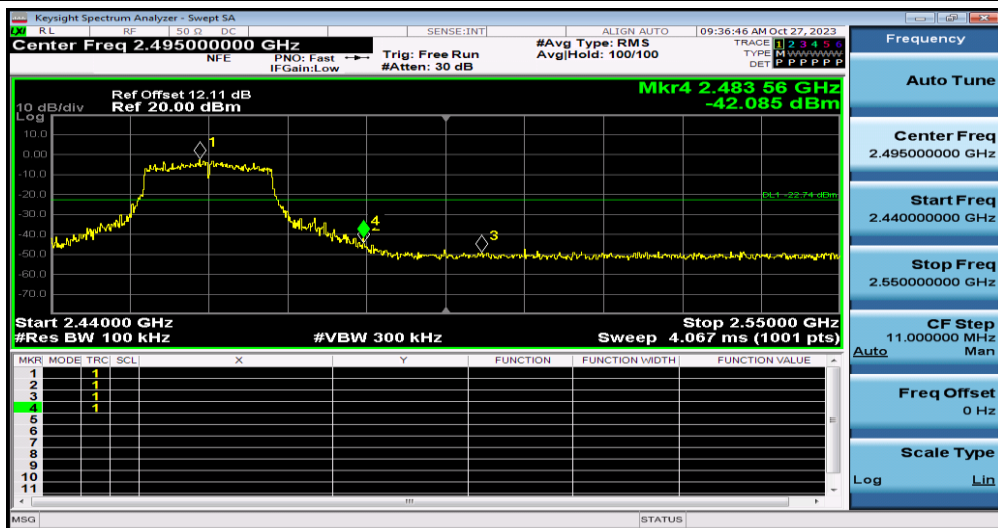
11N20MIMO-Ant0-2412



11N20MIMO-Ant1-2412



11N20MIMO-Ant0-2462



11N20MIMO-Ant1-2462

Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	0~Reference	3.28	3.28	---	PASS
11B	Ant1	2412	0~Reference	3.36	3.36	---	PASS
11B	Ant0	2412	30~1000	3.28	-60.33	≤-16.72	PASS
11B	Ant1	2412	30~1000	3.36	-59.98	≤-16.64	PASS
11B	Ant0	2412	1000~26500	3.28	-51.04	≤-16.72	PASS
11B	Ant1	2412	1000~26500	3.36	-50.62	≤-16.64	PASS
11B	Ant0	2437	0~Reference	4.60	4.60	---	PASS
11B	Ant1	2437	0~Reference	3.95	3.95	---	PASS
11B	Ant0	2437	30~1000	4.60	-60.03	≤-15.4	PASS
11B	Ant1	2437	30~1000	3.95	-60.34	≤-16.05	PASS
11B	Ant0	2437	1000~26500	4.60	-51.69	≤-15.4	PASS
11B	Ant1	2437	1000~26500	3.95	-51.41	≤-16.05	PASS
11B	Ant0	2462	0~Reference	2.80	2.80	---	PASS
11B	Ant1	2462	0~Reference	5.48	5.48	---	PASS
11B	Ant0	2462	30~1000	2.80	-60.09	≤-17.2	PASS
11B	Ant1	2462	30~1000	5.48	-59.85	≤-14.52	PASS
11B	Ant0	2462	1000~26500	2.80	-51.61	≤-17.2	PASS
11B	Ant1	2462	1000~26500	5.48	-51.55	≤-14.52	PASS
11G	Ant0	2412	0~Reference	-7.44	-7.44	---	PASS
11G	Ant1	2412	0~Reference	-4.03	-4.03	---	PASS
11G	Ant0	2412	30~1000	-7.44	-59.66	≤-27.44	PASS
11G	Ant1	2412	30~1000	-4.03	-60.38	≤-24.03	PASS
11G	Ant0	2412	1000~26500	-7.44	-51.11	≤-27.44	PASS
11G	Ant1	2412	1000~26500	-4.03	-52.45	≤-24.03	PASS
11G	Ant0	2437	0~Reference	-7.91	-7.91	---	PASS
11G	Ant1	2437	0~Reference	-3.77	-3.77	---	PASS
11G	Ant0	2437	30~1000	-7.91	-60.8	≤-27.91	PASS
11G	Ant1	2437	30~1000	-3.77	-60.57	≤-23.77	PASS
11G	Ant0	2437	1000~26500	-7.91	-51.75	≤-27.91	PASS
11G	Ant1	2437	1000~26500	-3.77	-51.36	≤-23.77	PASS
11G	Ant0	2462	0~Reference	-8.11	-8.11	---	PASS
11G	Ant1	2462	0~Reference	-4.68	-4.68	---	PASS
11G	Ant0	2462	30~1000	-8.11	-60.58	≤-28.11	PASS
11G	Ant1	2462	30~1000	-4.68	-60.5	≤-24.68	PASS
11G	Ant0	2462	1000~26500	-8.11	-50.79	≤-28.11	PASS
11G	Ant1	2462	1000~26500	-4.68	-52.02	≤-24.68	PASS
11N20MIMO	Ant0	2412	0~Reference	-7.16	-7.16	---	PASS

11N20MIMO	Ant1	2412	0~Reference	-4.75	-4.75	---	PASS
11N20MIMO	Ant0	2412	30~1000	-7.16	-60.11	≤-27.16	PASS
11N20MIMO	Ant1	2412	30~1000	-4.75	-60.06	≤-24.75	PASS
11N20MIMO	Ant0	2412	1000~26500	-7.16	-50.47	≤-27.16	PASS
11N20MIMO	Ant1	2412	1000~26500	-4.75	-51.44	≤-24.75	PASS
11N20MIMO	Ant0	2437	0~Reference	-6.57	-6.57	---	PASS
11N20MIMO	Ant1	2437	0~Reference	-4.88	-4.88	---	PASS
11N20MIMO	Ant0	2437	30~1000	-6.57	-60.39	≤-26.57	PASS
11N20MIMO	Ant1	2437	30~1000	-4.88	-58.87	≤-24.88	PASS
11N20MIMO	Ant0	2437	1000~26500	-6.57	-51.72	≤-26.57	PASS
11N20MIMO	Ant1	2437	1000~26500	-4.88	-52.14	≤-24.88	PASS
11N20MIMO	Ant0	2462	0~Reference	-8.10	-8.10	---	PASS
11N20MIMO	Ant1	2462	0~Reference	-3.03	-3.03	---	PASS
11N20MIMO	Ant0	2462	30~1000	-8.10	-60.28	≤-28.1	PASS
11N20MIMO	Ant1	2462	30~1000	-3.03	-60.45	≤-23.03	PASS
11N20MIMO	Ant0	2462	1000~26500	-8.10	-52.46	≤-28.1	PASS
11N20MIMO	Ant1	2462	1000~26500	-3.03	-51.9	≤-23.03	PASS

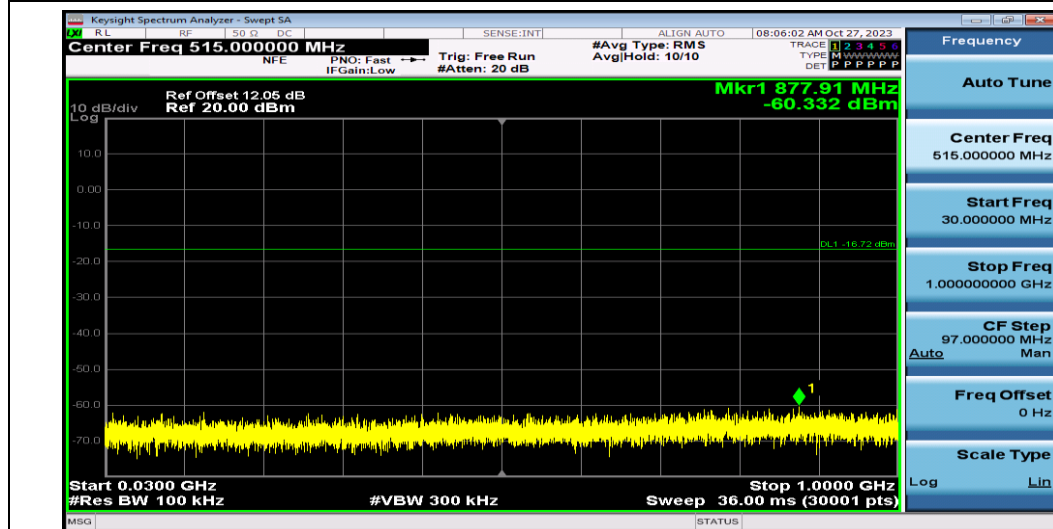
Test Graphs



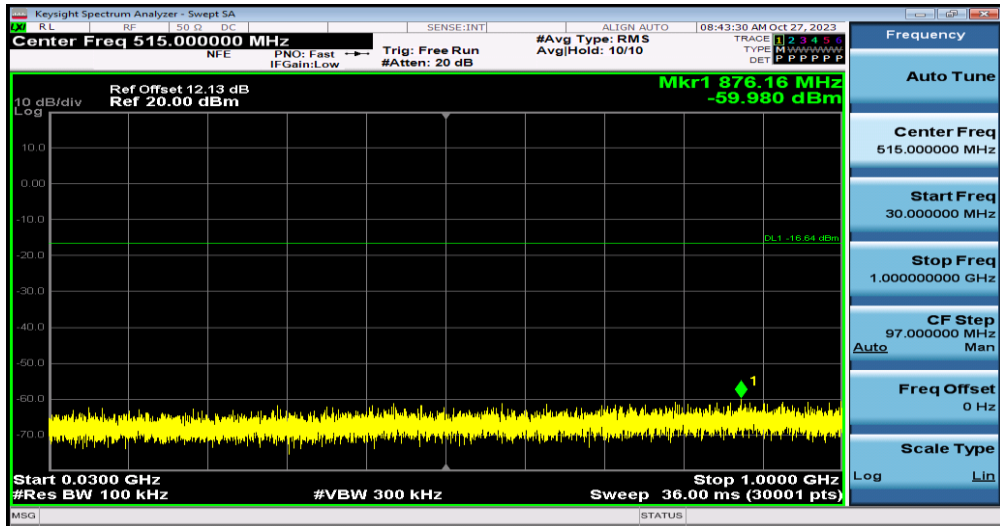
11B-Ant0-2412-0~Reference



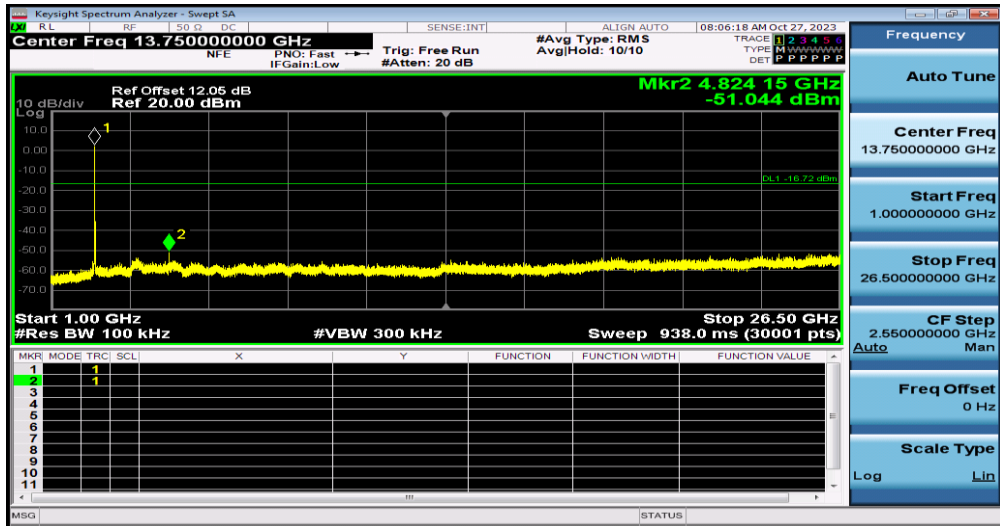
11B-Ant1-2412-0~Reference



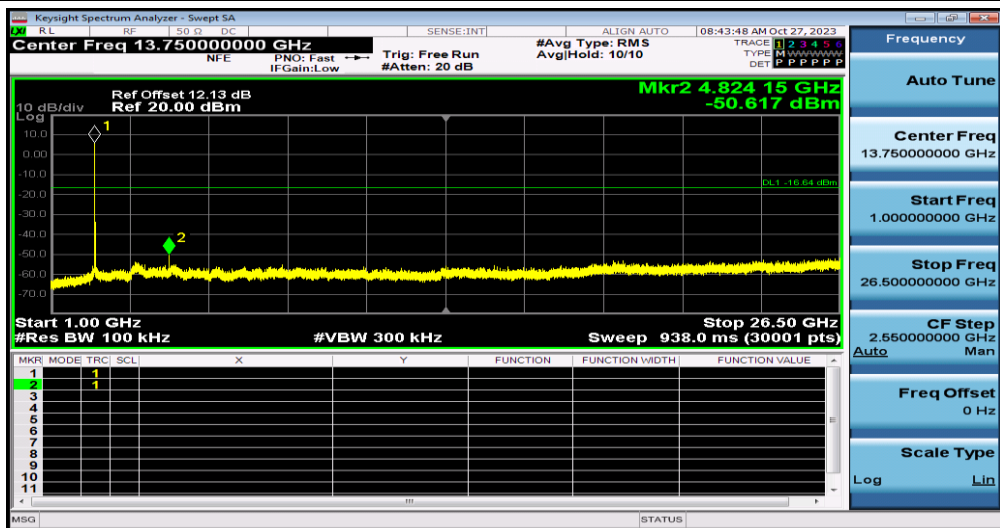
11B-Ant0-2412-30~1000



11B-Ant1-2412-30~1000



11B-Ant0-2412-1000~26500



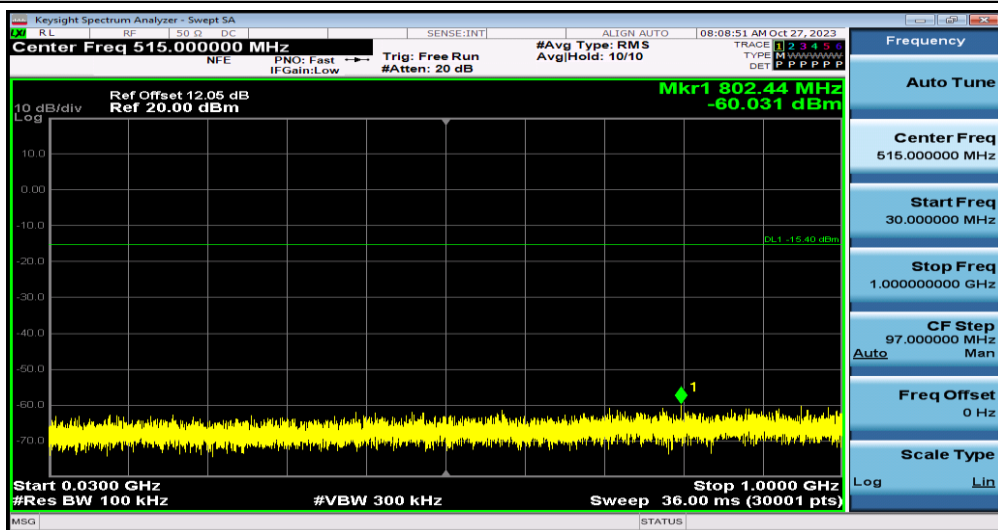
11B-Ant1-2412-1000~26500



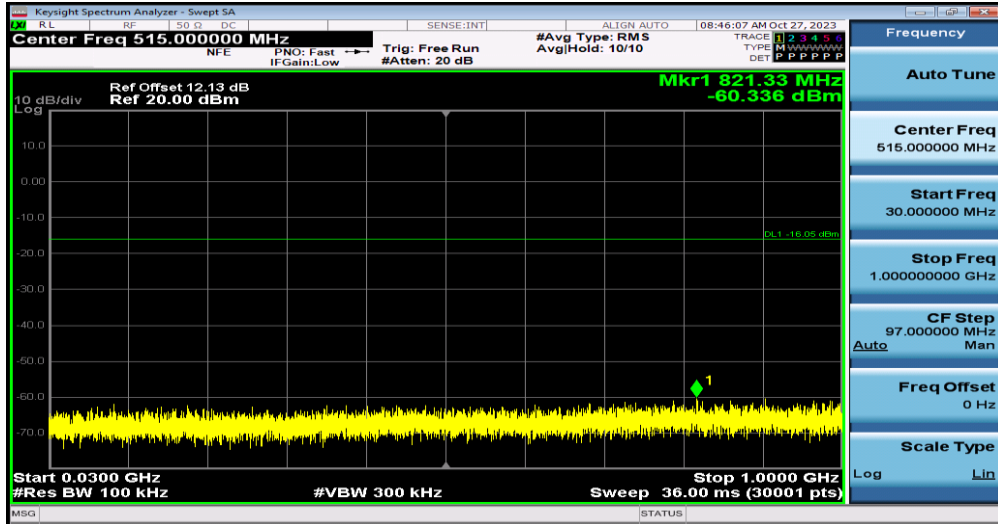
11B-Ant0-2437-0~Reference



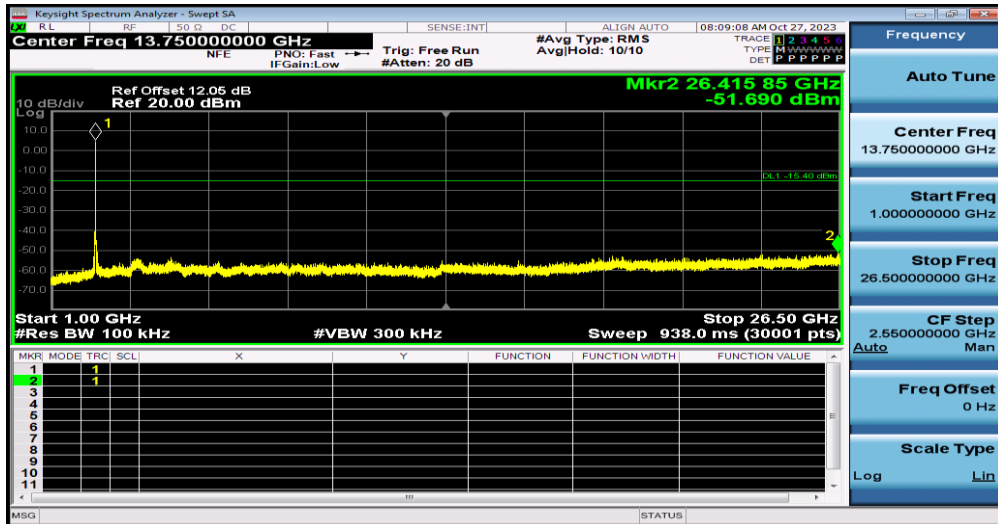
11B-Ant1-2437-0~Reference



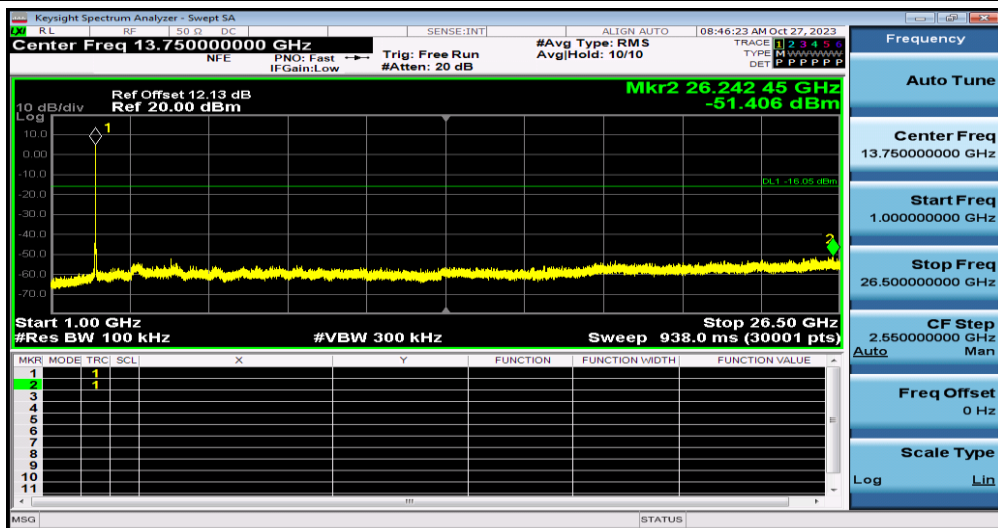
11B-Ant0-2437-30~1000



11B-Ant1-2437-30~1000



11B-Ant0-2437-1000~26500



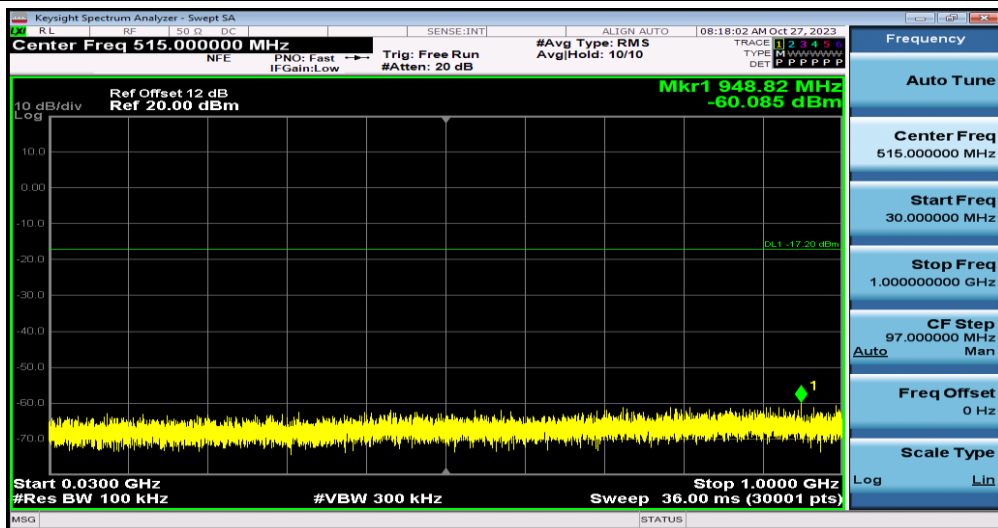
11B-Ant1-2437-1000~26500



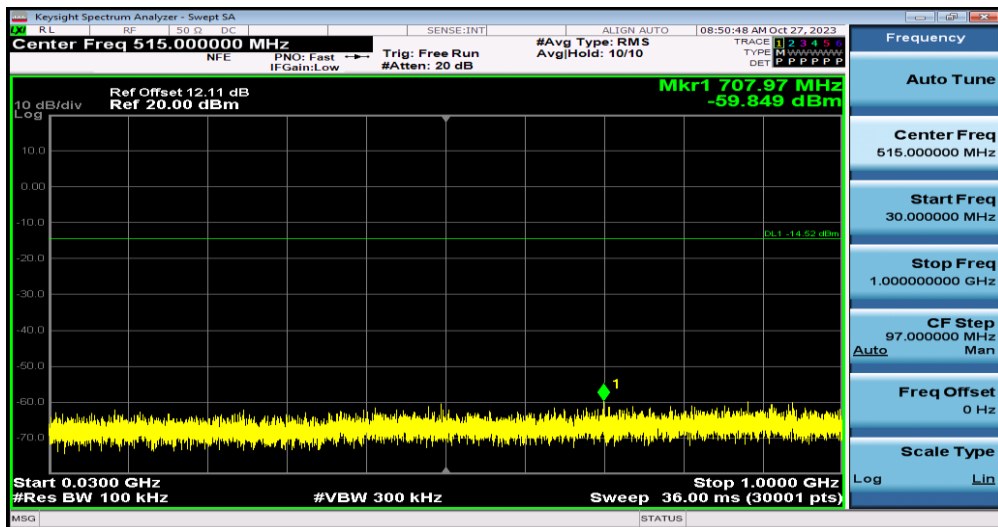
11B-Ant0-2462-0~Reference



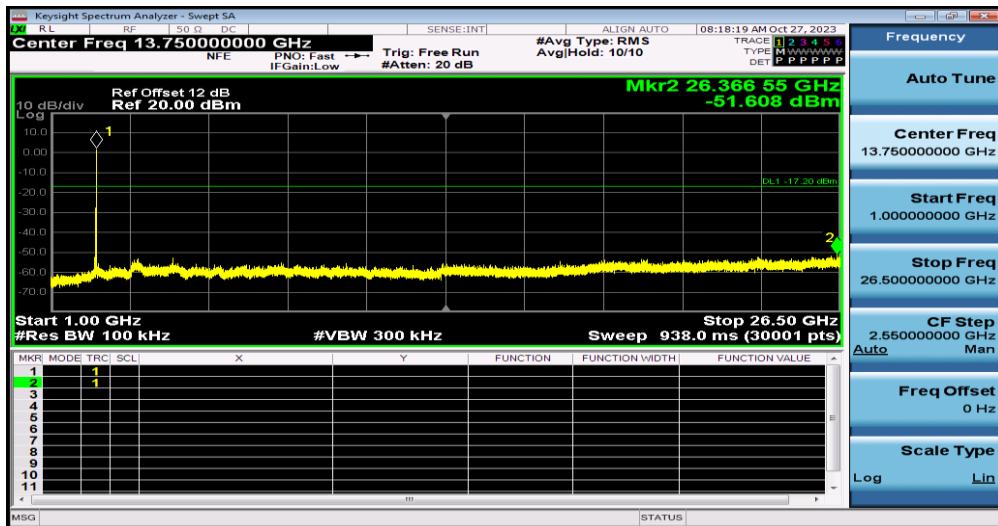
11B-Ant1-2462-0~Reference



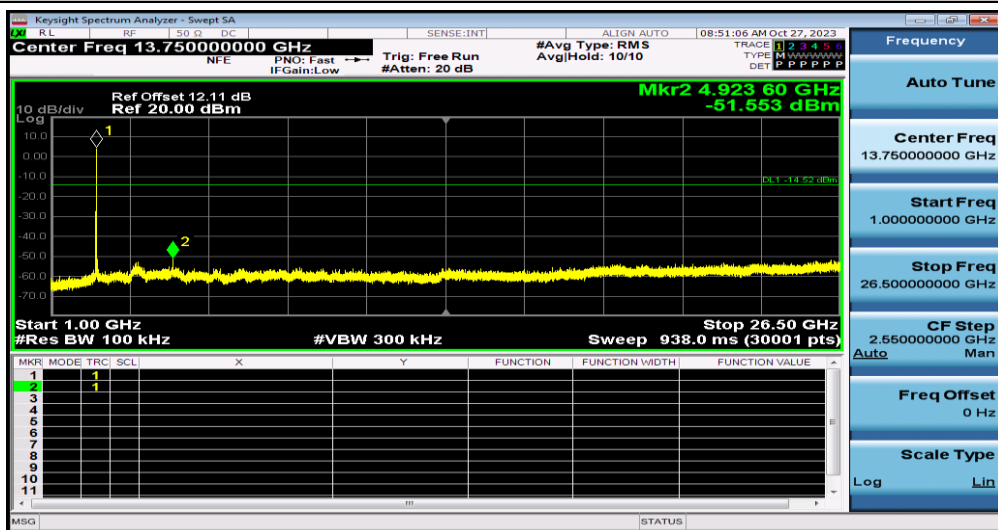
11B-Ant0-2462-30~1000



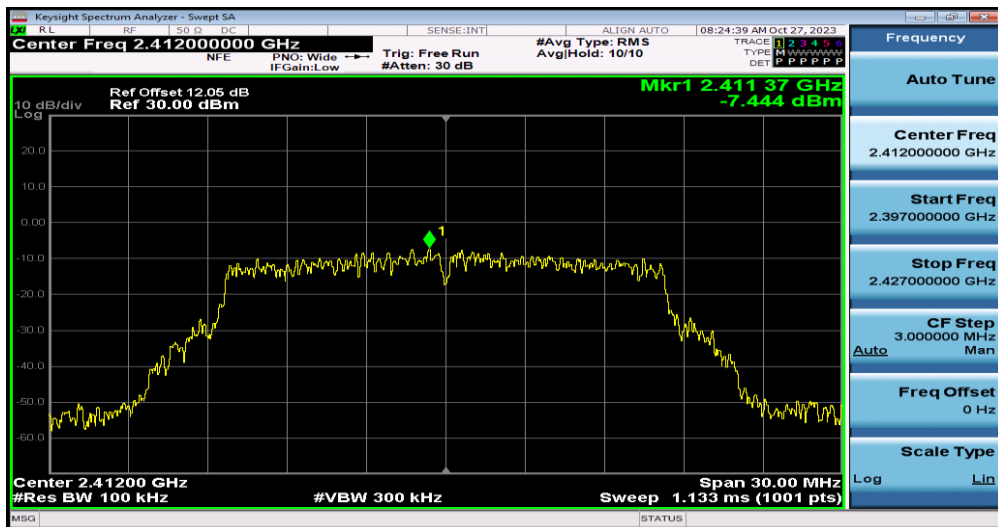
11B-Ant1-2462-30~1000



11B-Ant0-2462-1000~26500



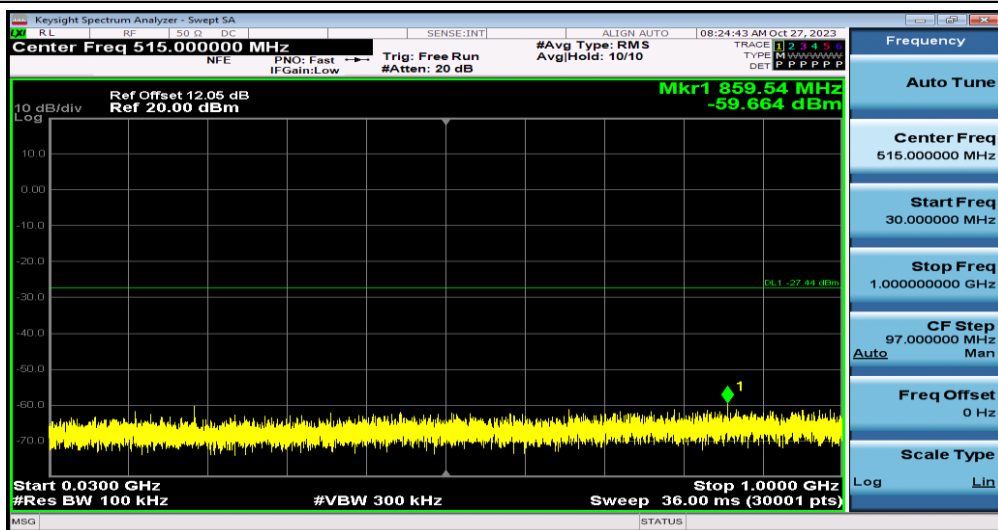
11B-Ant1-2462-1000~26500



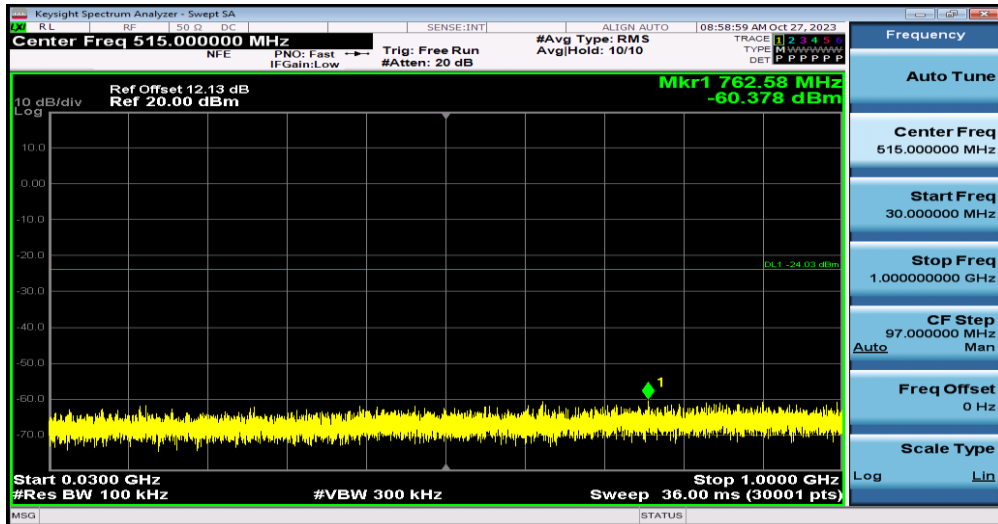
11G-Ant0-2412-0~Reference



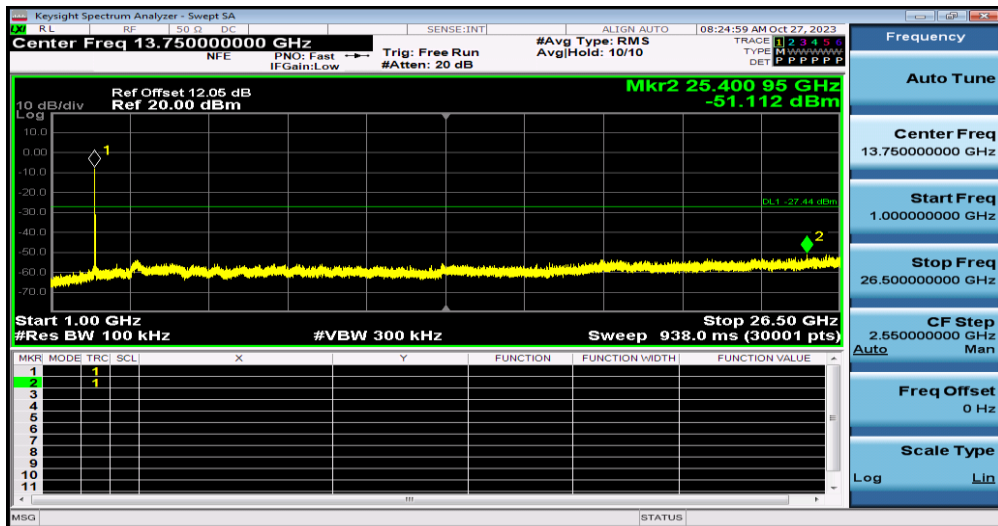
11G-Ant1-2412-0~Reference



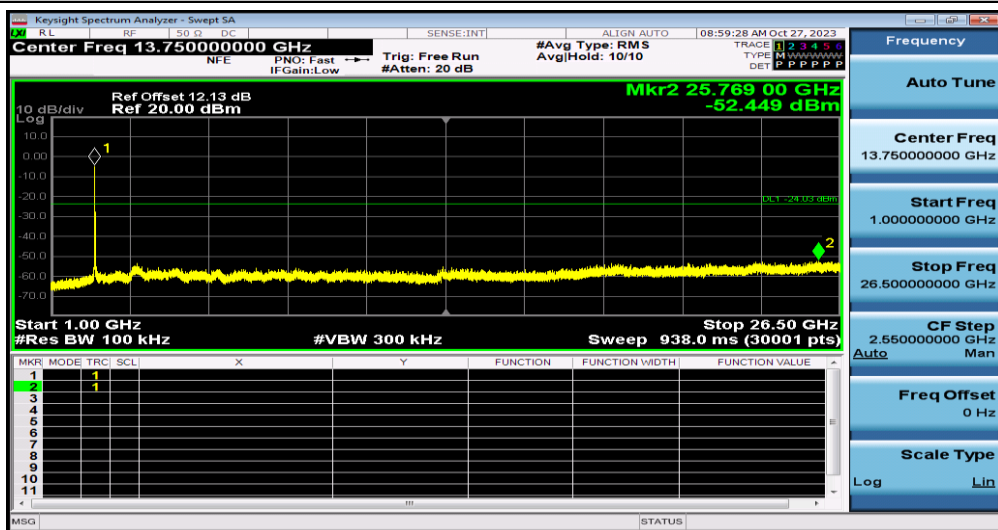
11G-Ant0-2412-30~1000



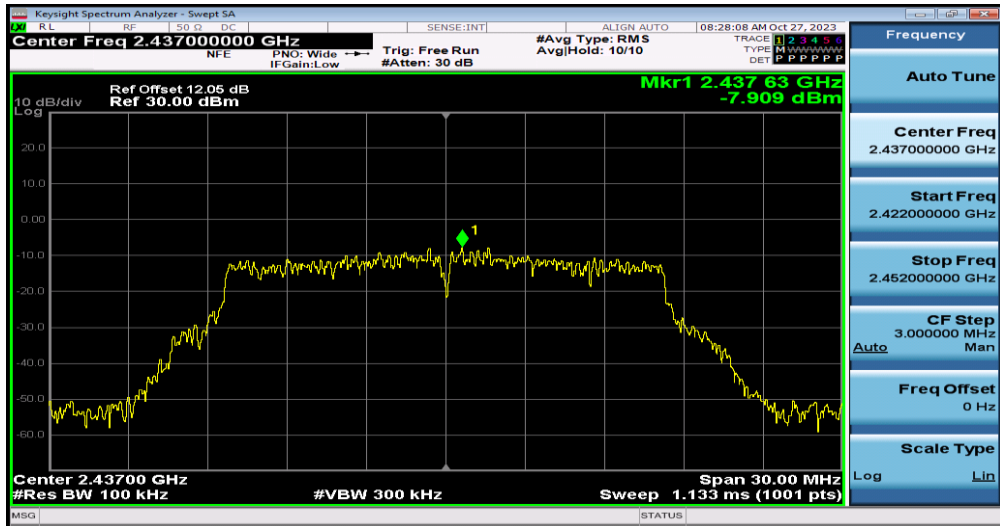
11G-Ant1-2412-30~1000



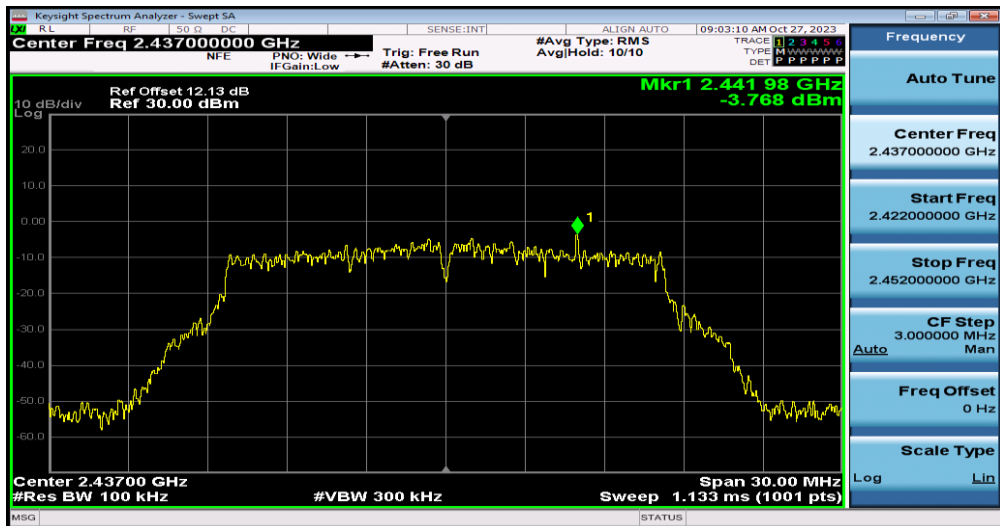
11G-Ant0-2412-1000~26500



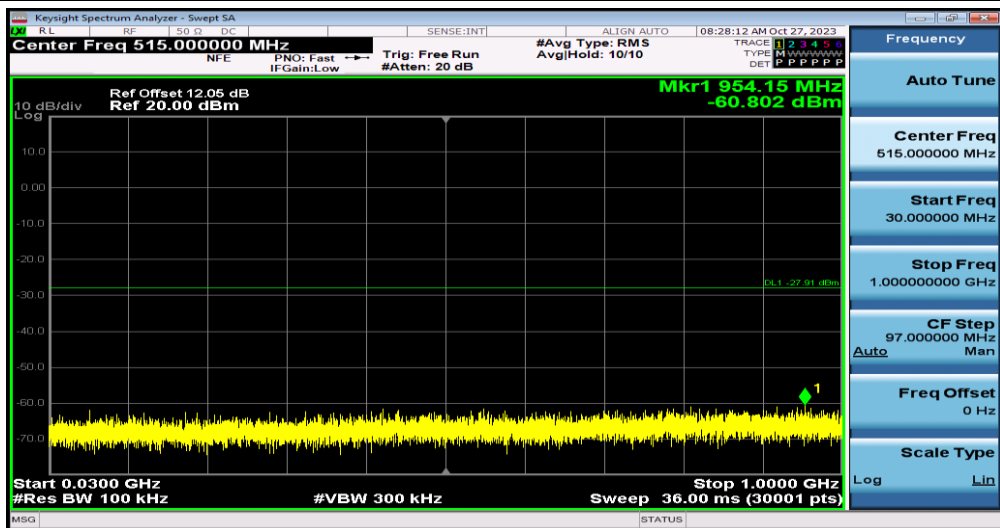
11G-Ant1-2412-1000~26500



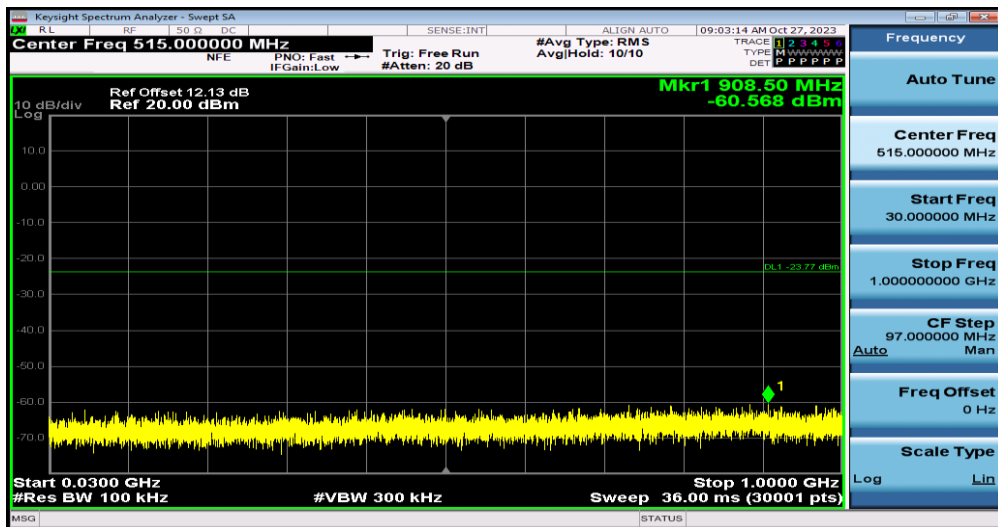
11G-Ant0-2437-0~Reference



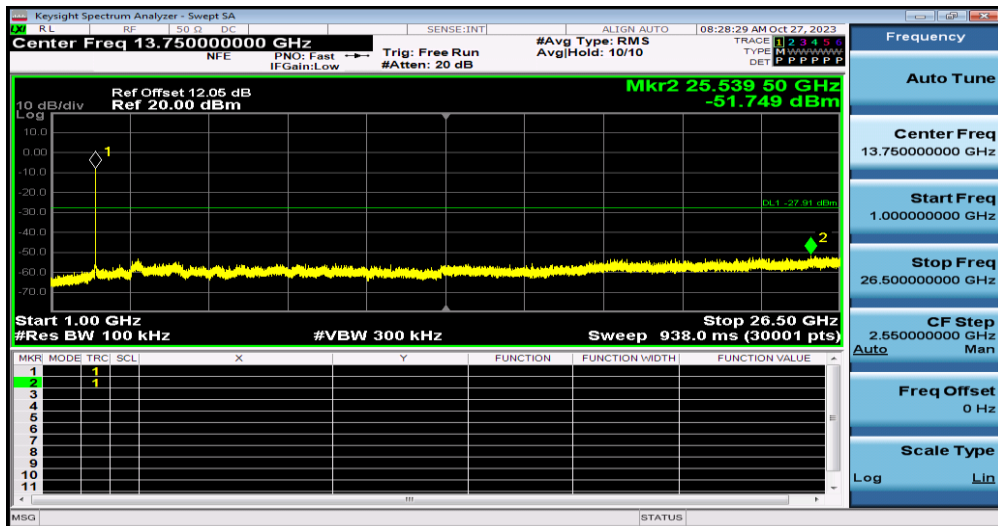
11G-Ant1-2437-0~Reference



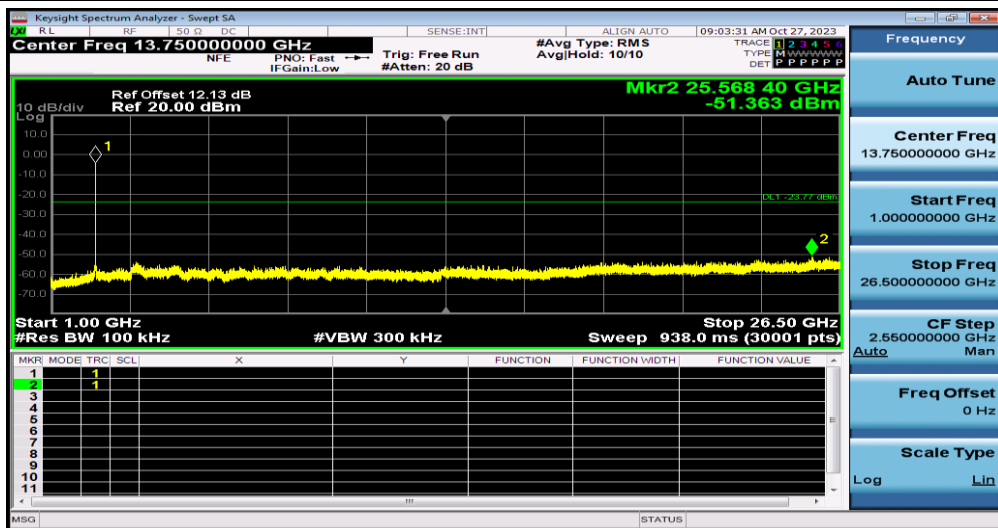
11G-Ant0-2437-30~1000



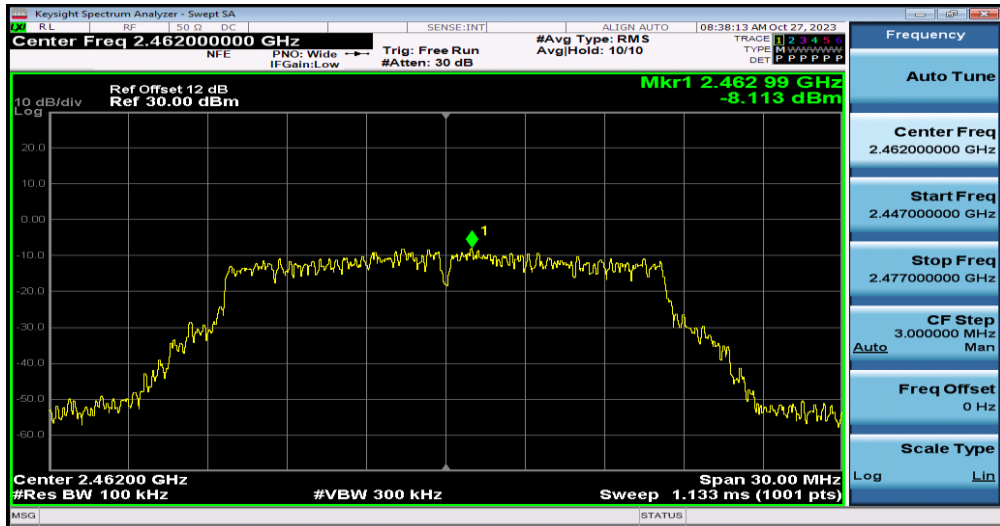
11G-Ant1-2437-30~1000



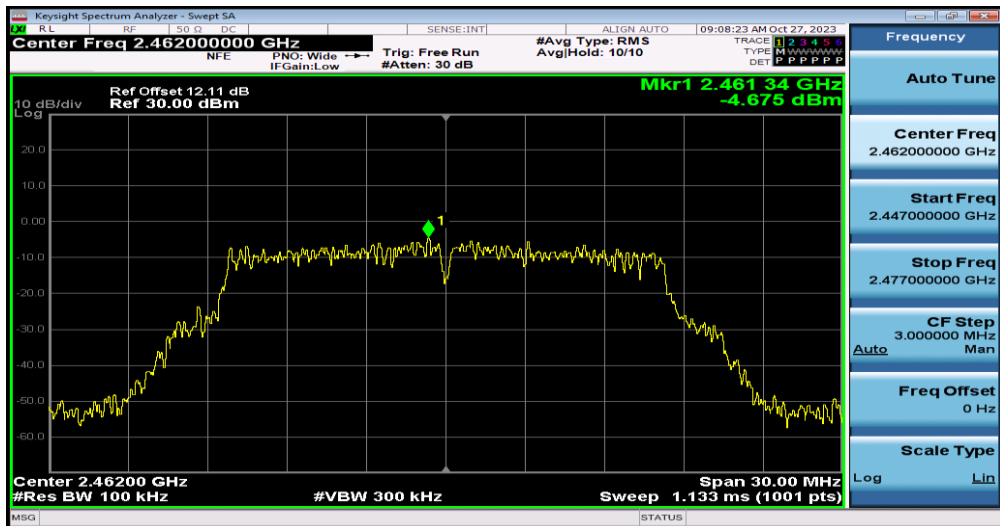
11G-Ant0-2437-1000~26500



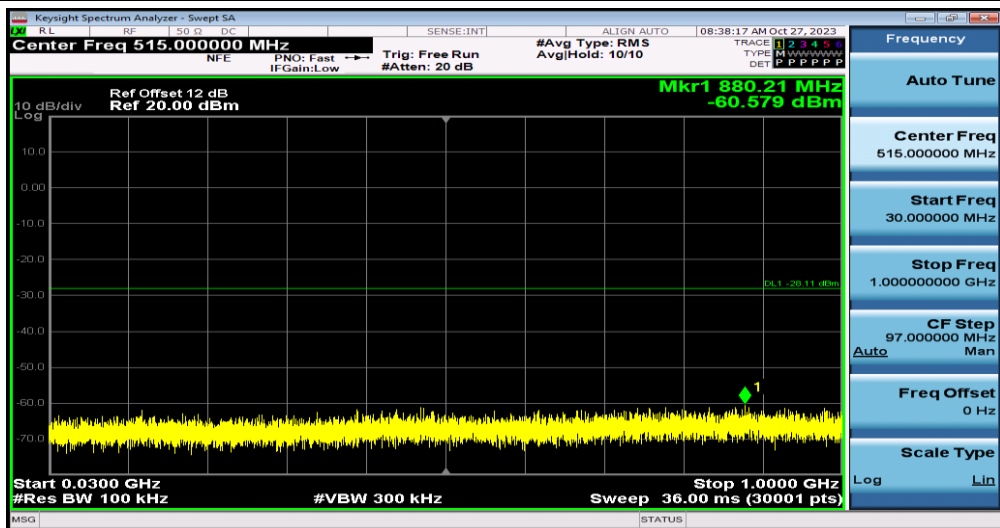
11G-Ant1-2437-1000~26500



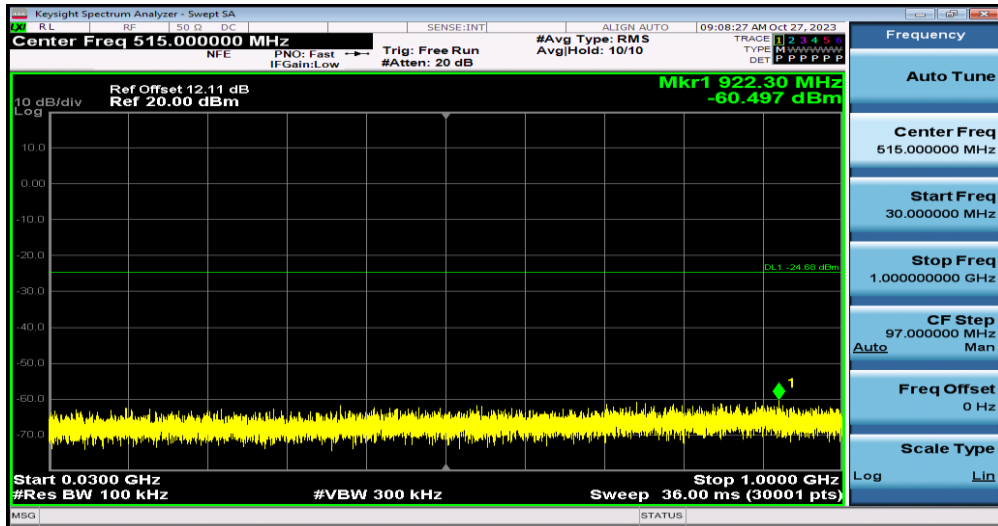
11G-Ant0-2462-0~Reference



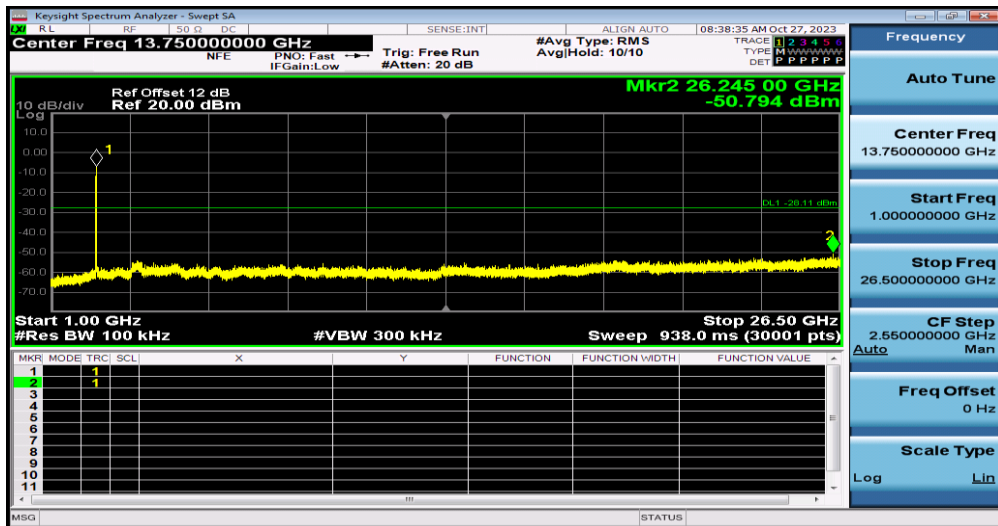
11G-Ant1-2462-0~Reference



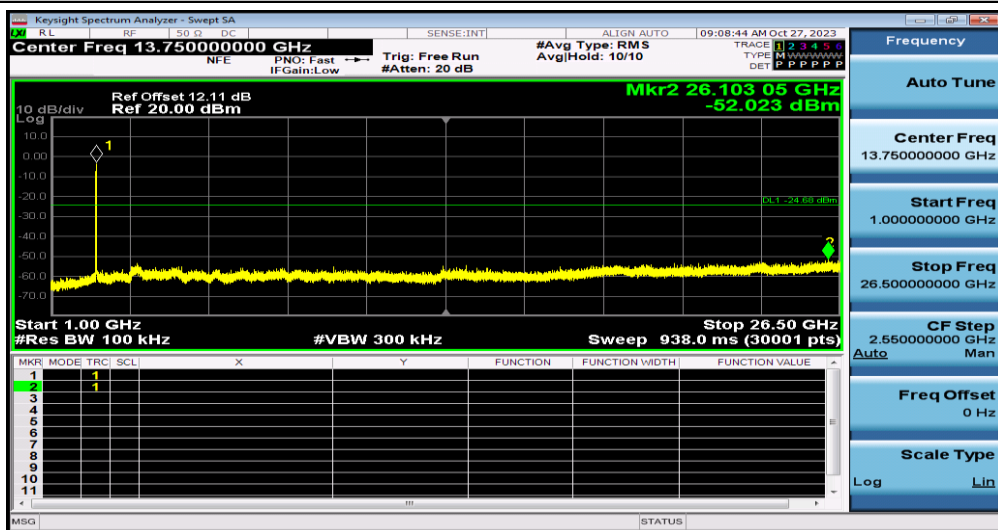
11G-Ant0-2462-30~1000



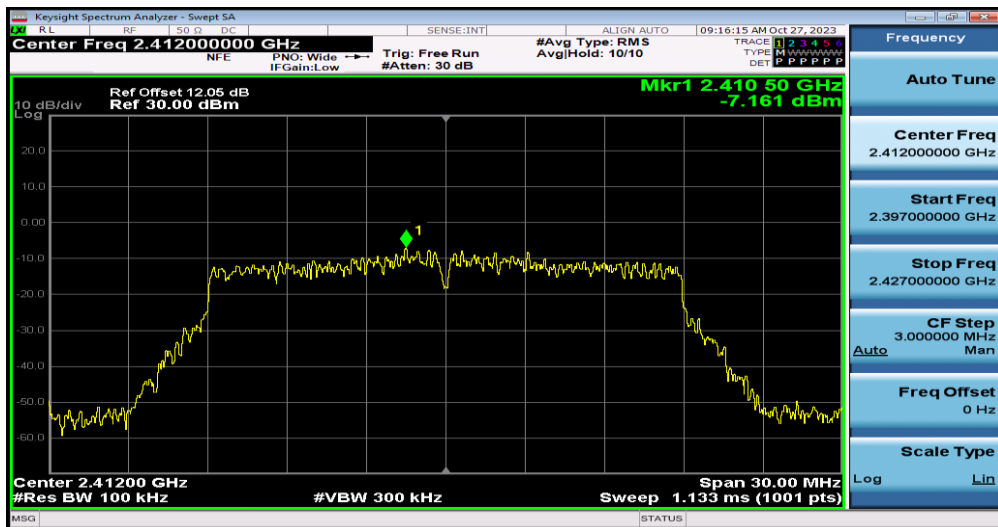
11G-Ant1-2462-30~1000



11G-Ant0-2462-1000~26500



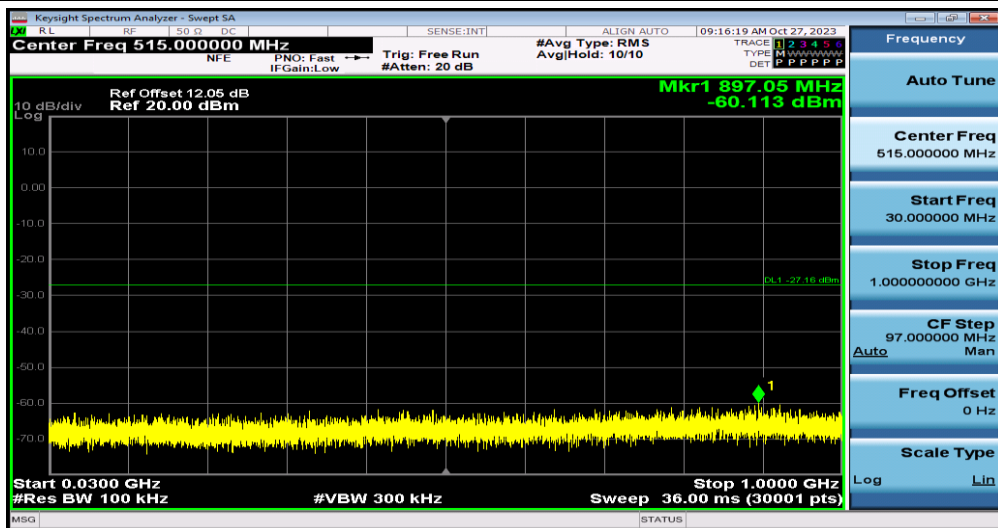
11G-Ant1-2462-1000~26500



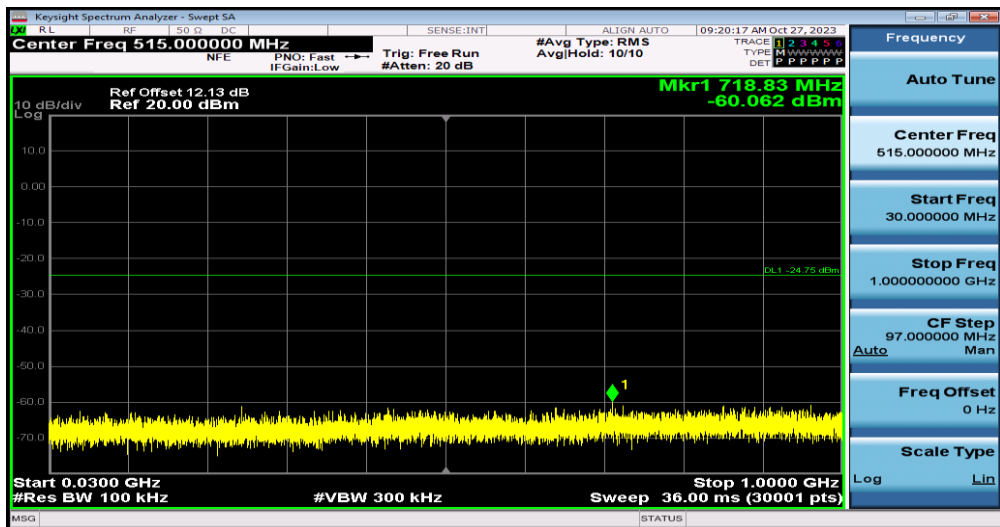
11N20MIMO-Ant0-2412-0~Reference



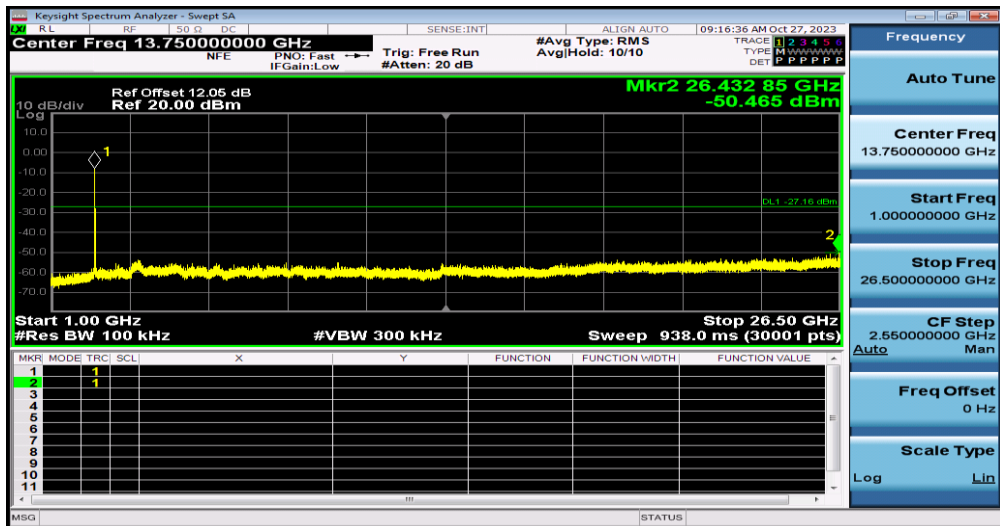
11N20MIMO-Ant1-2412-0~Reference



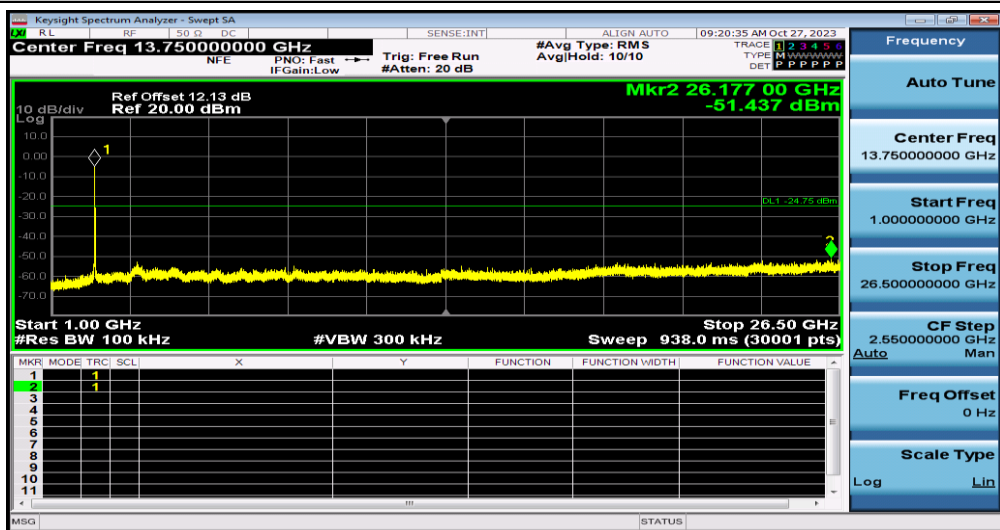
11N20MIMO-Ant0-2412-30~1000



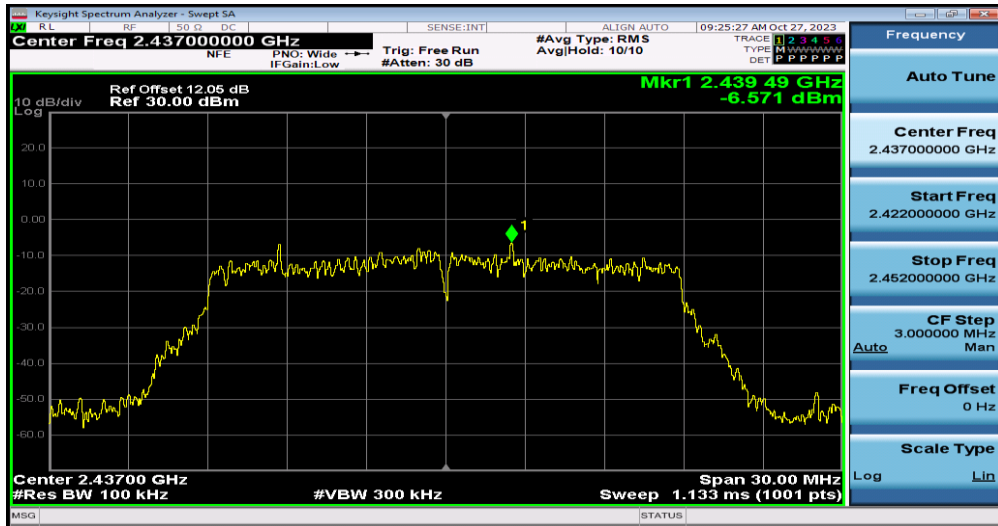
11N20MIMO-Ant1-2412-30~1000



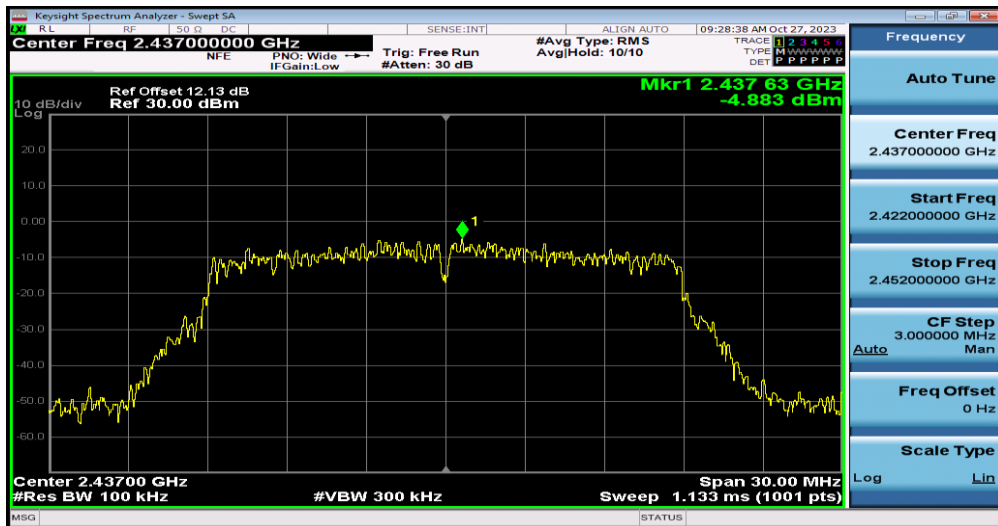
11N20MIMO-Ant0-2412-1000~26500



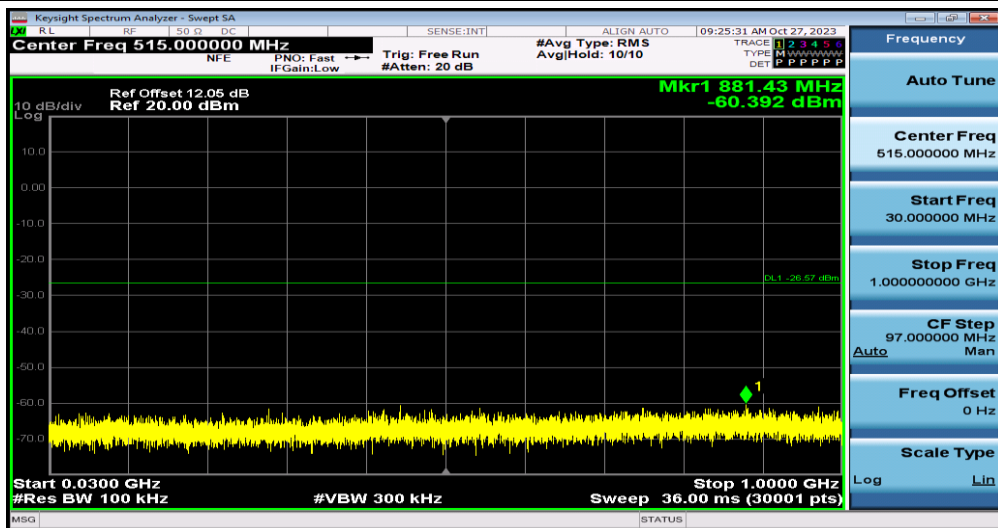
11N20MIMO-Ant1-2412-1000~26500



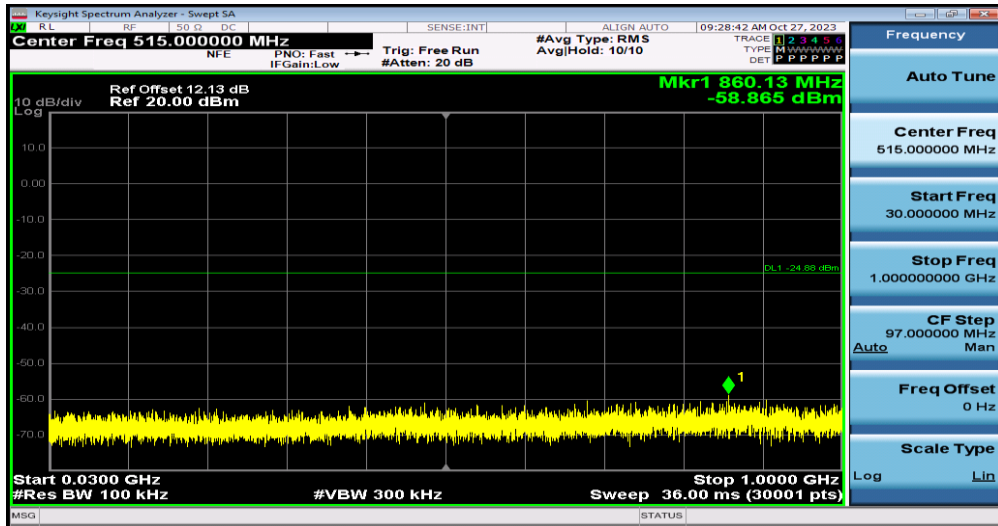
11N20MIMO-Ant0-2437-0~Reference



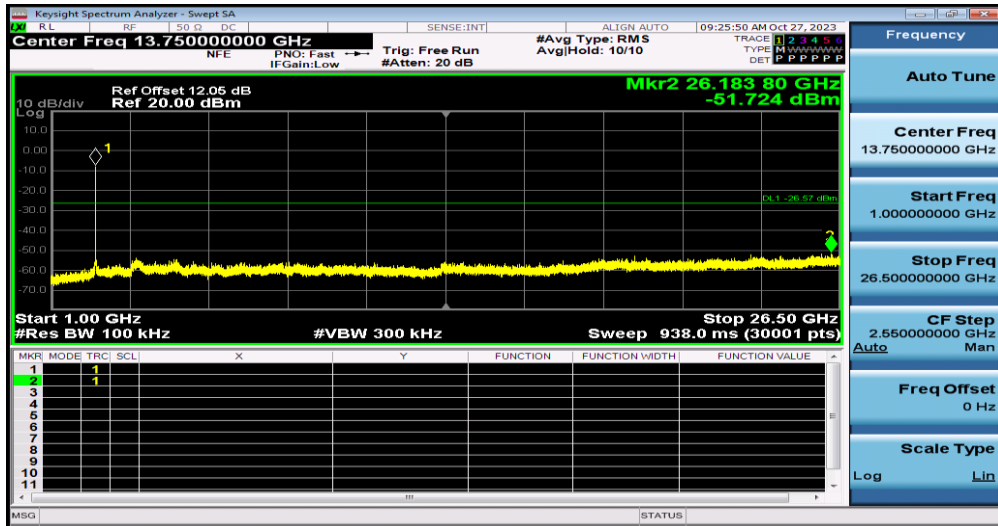
11N20MIMO-Ant1-2437-0~Reference



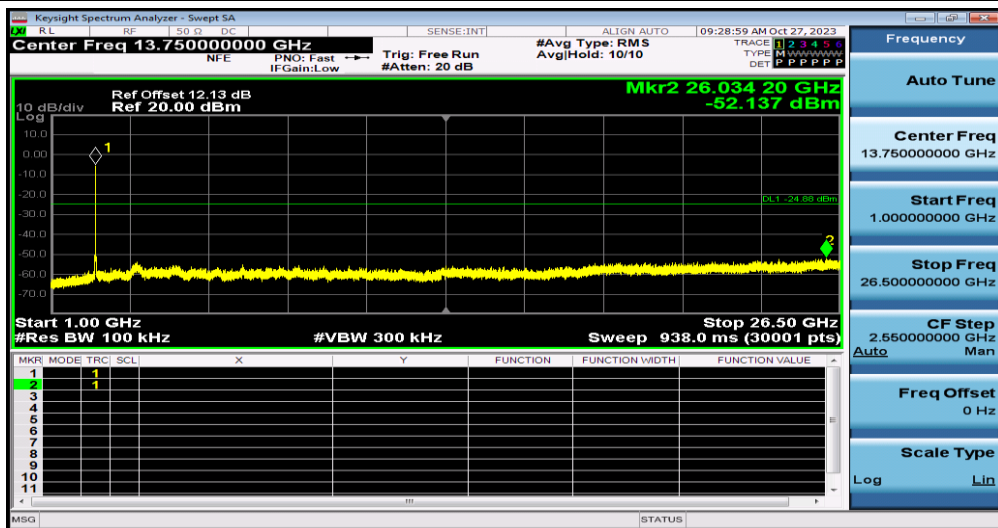
11N20MIMO-Ant0-2437-30~1000



11N20MIMO-Ant1-2437-30~1000



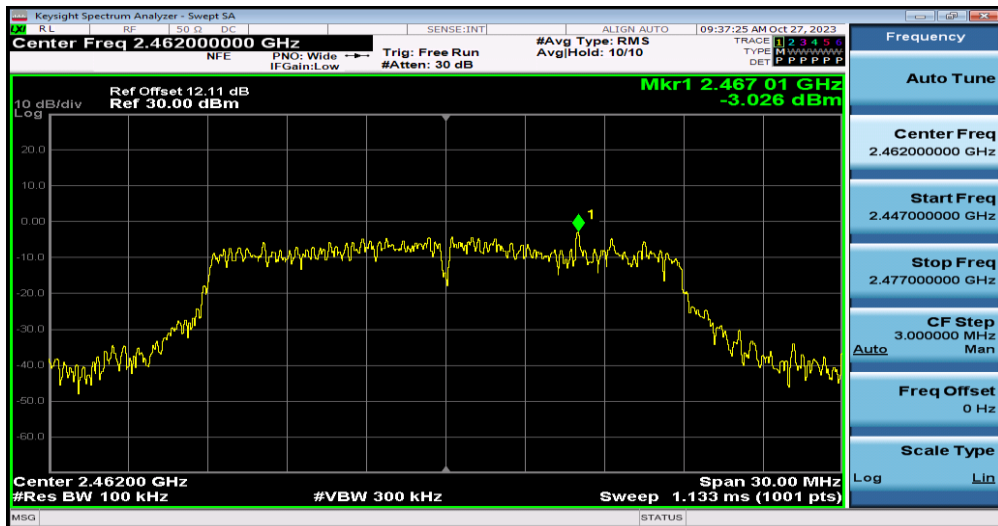
11N20MIMO-Ant0-2437-1000~26500



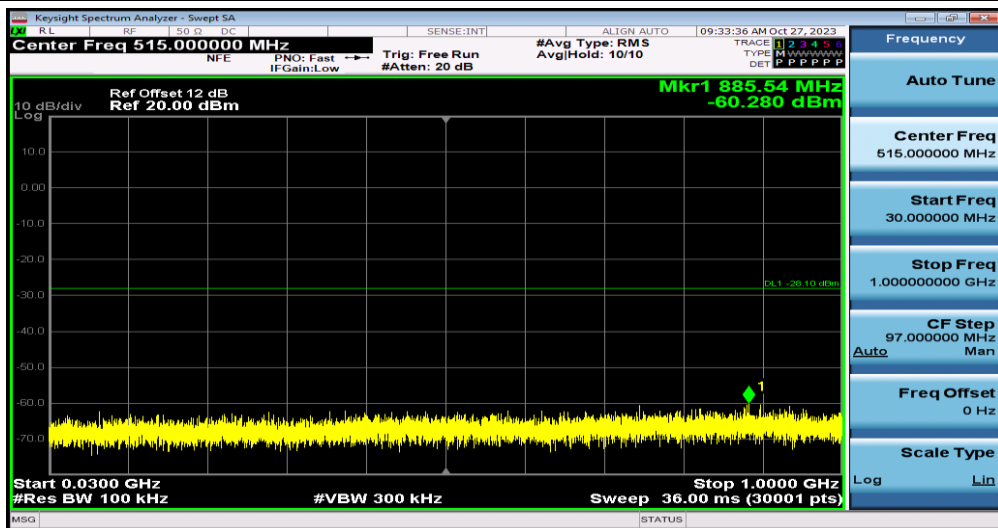
11N20MIMO-Ant1-2437-1000~26500



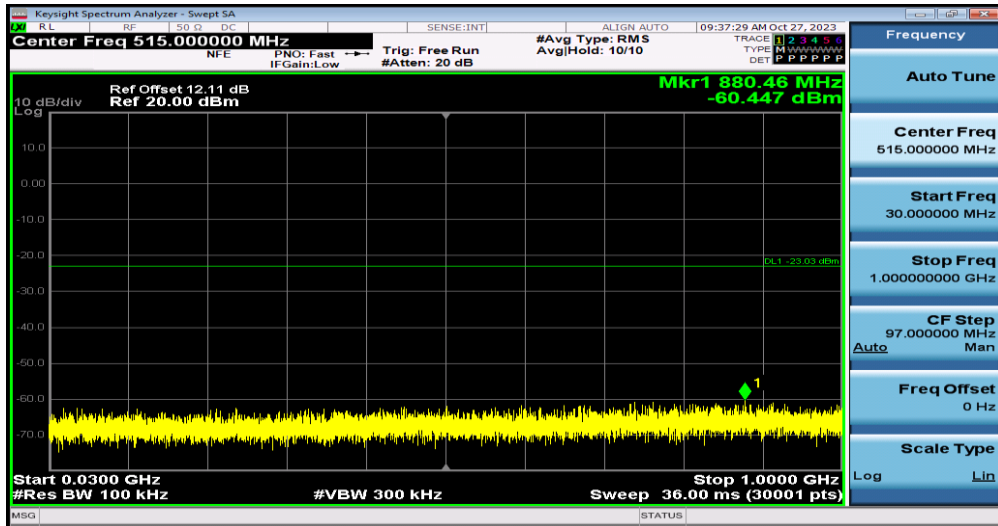
11N20MIMO-Ant0-2462-0~Reference



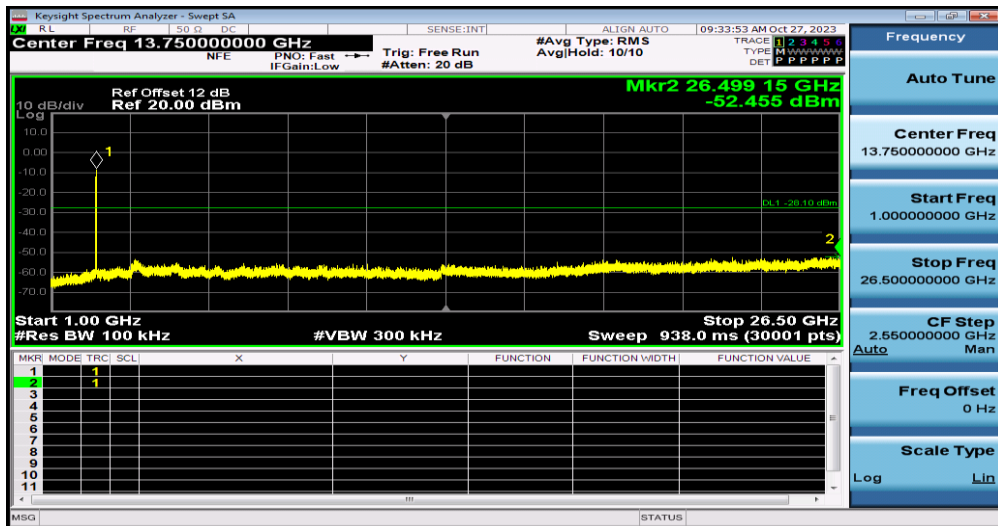
11N20MIMO-Ant1-2462-0~Reference



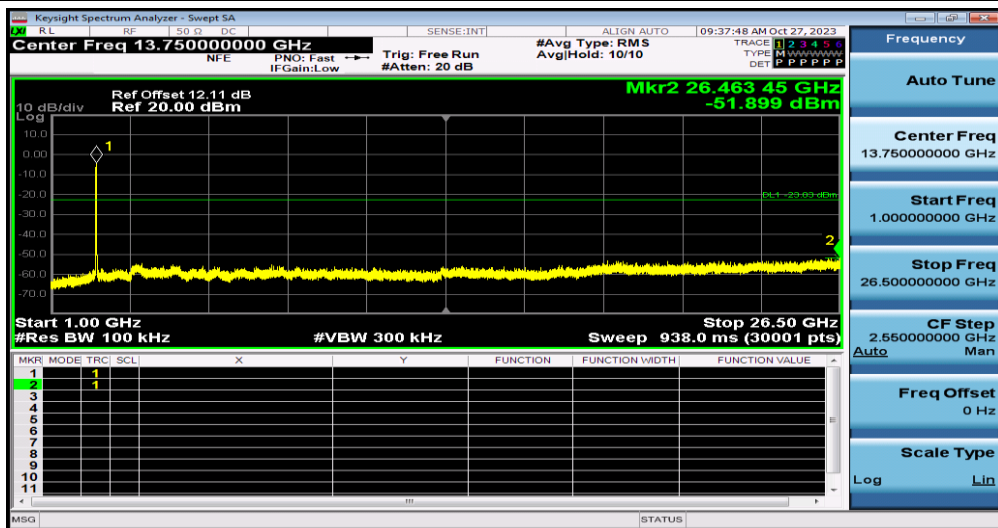
11N20MIMO-Ant0-2462-30~1000



11N20MIMO-Ant1-2462-30~1000



11N20MIMO-Ant0-2462-1000~26500



11N20MIMO-Ant1-2462-1000~26500

Appendix C: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant0	2412	8.42	8.51	98.94	0.05
11B	Ant1	2412	8.43	8.52	98.94	0.05
11B	Ant0	2437	8.41	8.51	98.82	0.05
11B	Ant1	2437	8.42	8.51	98.94	0.05
11B	Ant0	2462	8.42	8.52	98.83	0.05
11B	Ant1	2462	8.41	8.51	98.82	0.05
11G	Ant0	2412	1.39	1.49	93.29	0.30
11G	Ant1	2412	1.39	1.49	93.29	0.30
11G	Ant0	2437	1.40	1.50	93.33	0.30
11G	Ant1	2437	1.40	1.50	93.33	0.30
11G	Ant0	2462	1.40	1.50	93.33	0.30
11G	Ant1	2462	1.40	1.50	93.33	0.30
11N20MIMO	Ant0	2412	1.31	1.41	92.91	0.32
11N20MIMO	Ant1	2412	1.31	1.41	92.91	0.32
11N20MIMO	Ant0	2437	1.31	1.41	92.91	0.32
11N20MIMO	Ant1	2437	1.30	1.40	92.86	0.32
11N20MIMO	Ant0	2462	1.31	1.40	93.57	0.29
11N20MIMO	Ant1	2462	1.31	1.41	92.91	0.32

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.412000000 GHz

Trig Delay-2.000 ms

#Avg Type: RMS

08:02:25 AM Oct 27, 2023

Ref Offset 12.05 dB

Ref 25.00 dBm

Δ Mkr3 8.510 dB

-0.92 dB

Center 2.412000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 12.00 ms (3001 pts)

Span 0 Hz

Auto

Frequency

Auto Tune

Center Freq 2.412000000 GHz

Start Freq 2.412000000 GHz

Stop Freq 2.412000000 GHz

CF Step 8.000000 MHz

Man

Freq Offset 0 Hz

Scale Type Log Lin

NTNV-11B-Ant0-2412

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.412000000 GHz

Trig Delay-2.000 ms

#Avg Type: RMS

08:39:44 AM Oct 27, 2023

Ref Offset 12.13 dB

Ref 25.00 dBm

Δ Mkr3 8.520 dB

53.76 dB

Center 2.412000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 17.00 ms (3001 pts)

Span 0 Hz

Auto

Frequency

Auto Tune

Center Freq 2.412000000 GHz

Start Freq 2.412000000 GHz

Stop Freq 2.412000000 GHz

CF Step 8.000000 MHz

Man

Freq Offset 0 Hz

Scale Type Log Lin

NTNV-11B-Ant1-2412

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.437000000 GHz

Trig Delay-2.000 ms

#Avg Type: RMS

08:07:15 AM Oct 27, 2023

Ref Offset 12.05 dB

Ref 25.00 dBm

Δ Mkr3 8.510 dB

-1.06 dB

Center 2.437000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 12.00 ms (3001 pts)

Span 0 Hz

Auto

Frequency

Auto Tune

Center Freq 2.437000000 GHz

Start Freq 2.437000000 GHz

Stop Freq 2.437000000 GHz

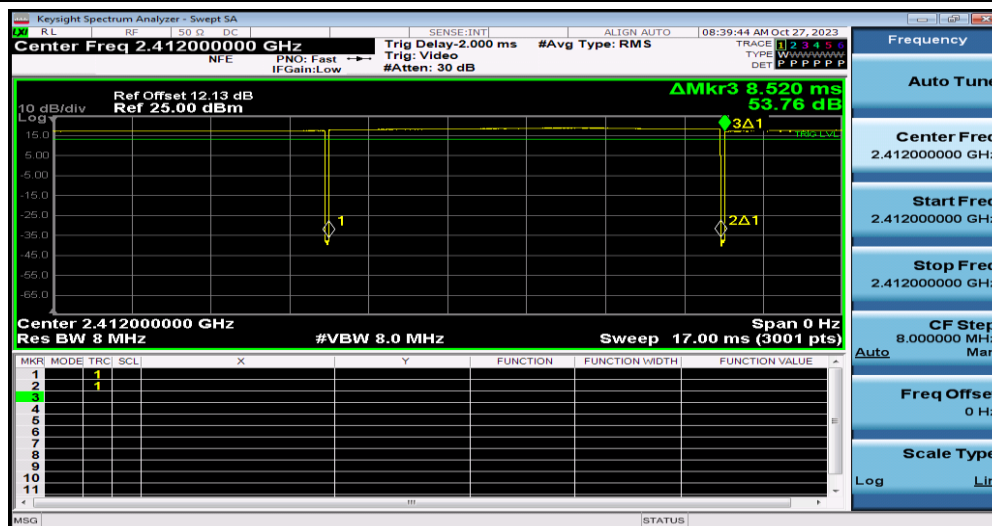
CF Step 8.000000 MHz

Man

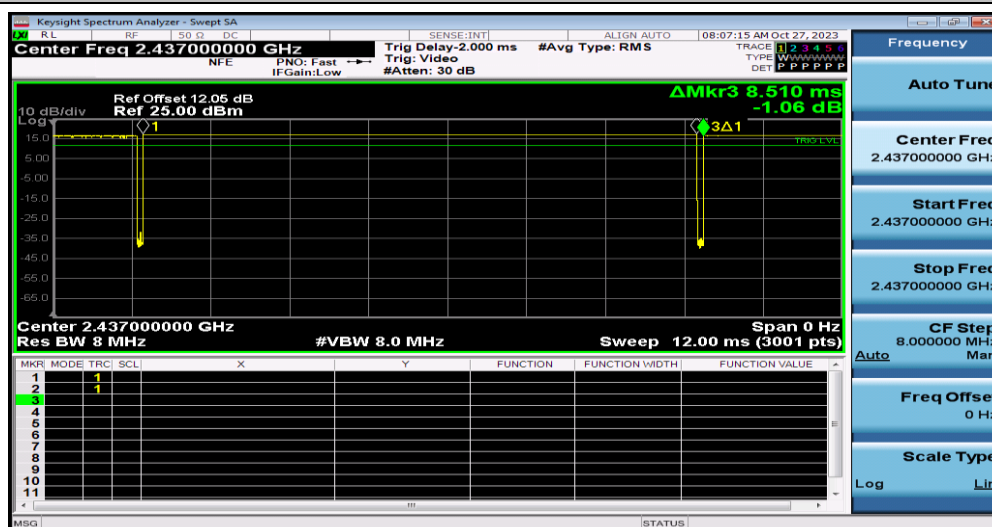
Freq Offset 0 Hz

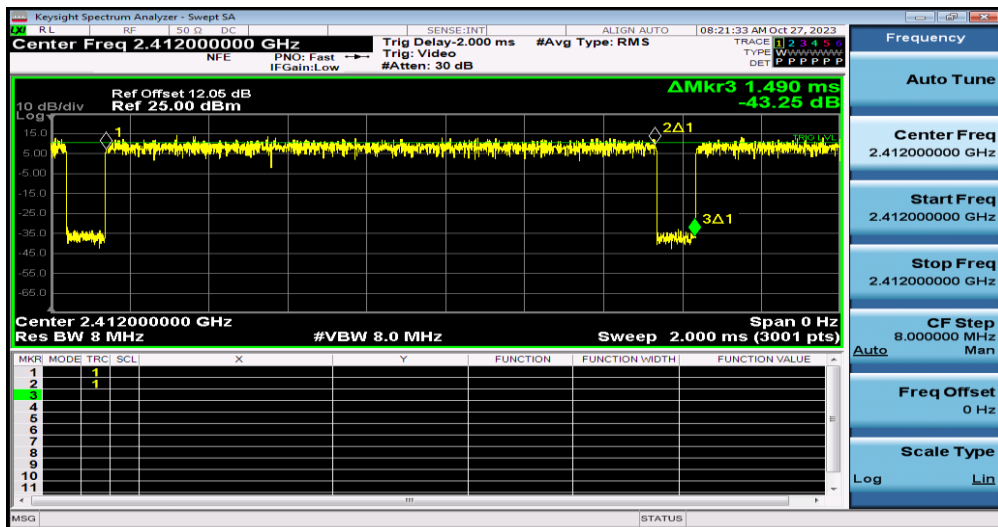
Scale Type Log Lin

NTNV-11B-Ant0-2412

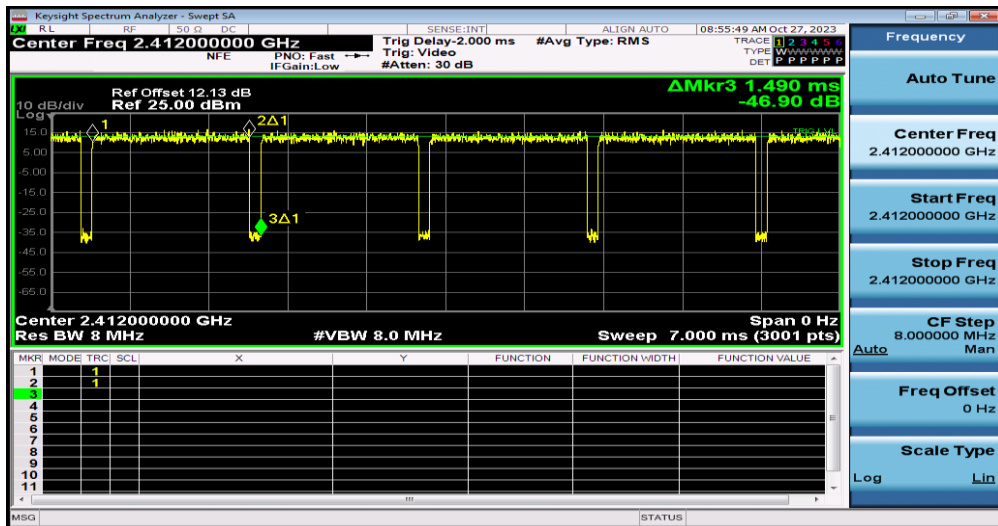


NTNV-11B-Ant1-2412

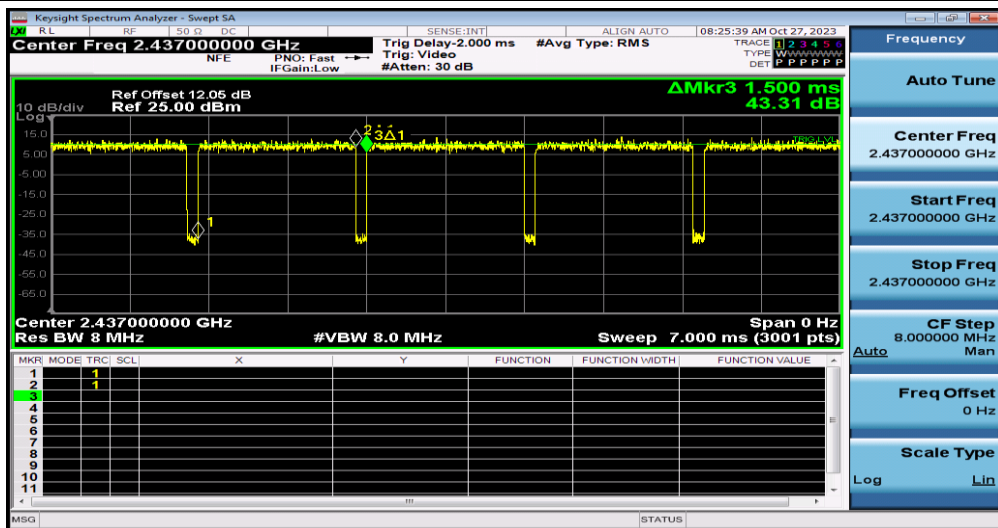




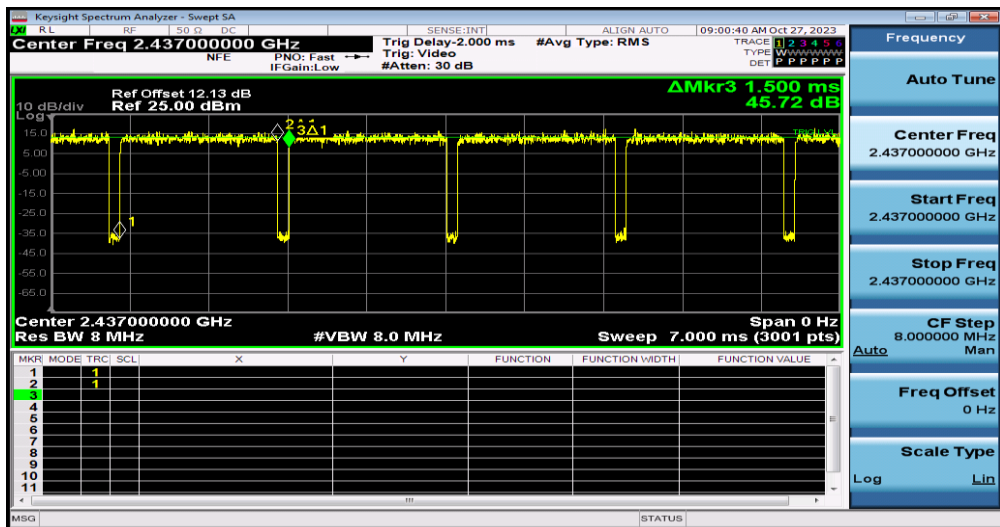
NTNV-11G-Ant0-2412



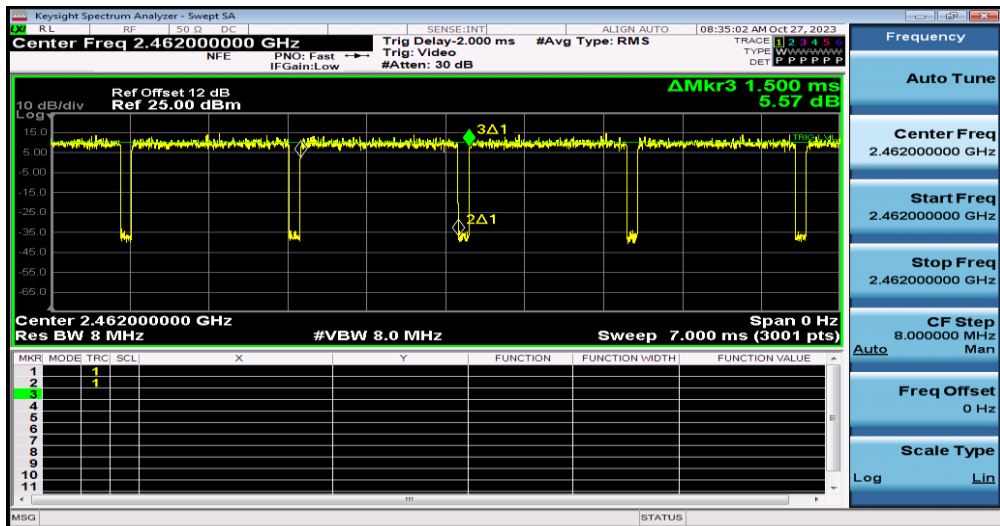
NTNV-11G-Ant1-2412



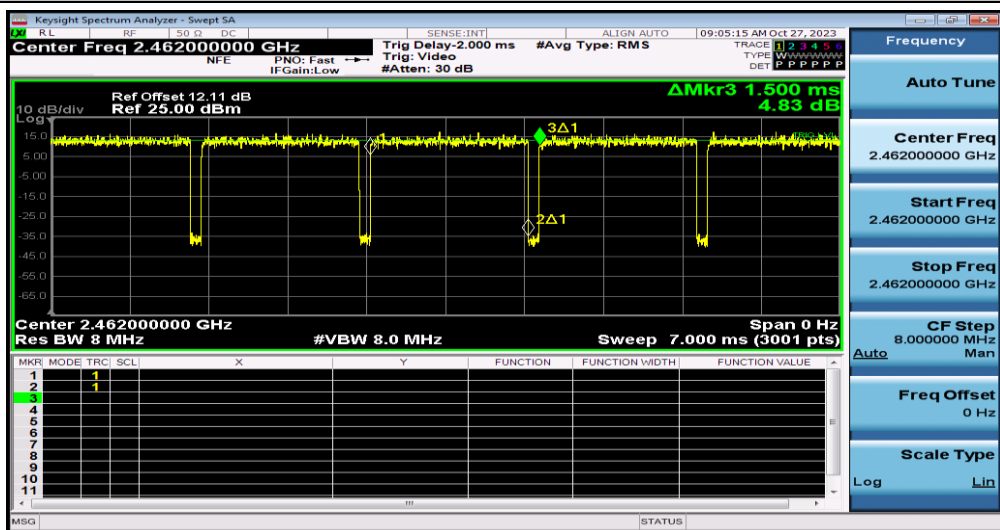
NTNV-11G-Ant0-2437



NTNV-11G-Ant1-2437



NTNV-11G-Ant0-2462



NTNV-11G-Ant1-2462