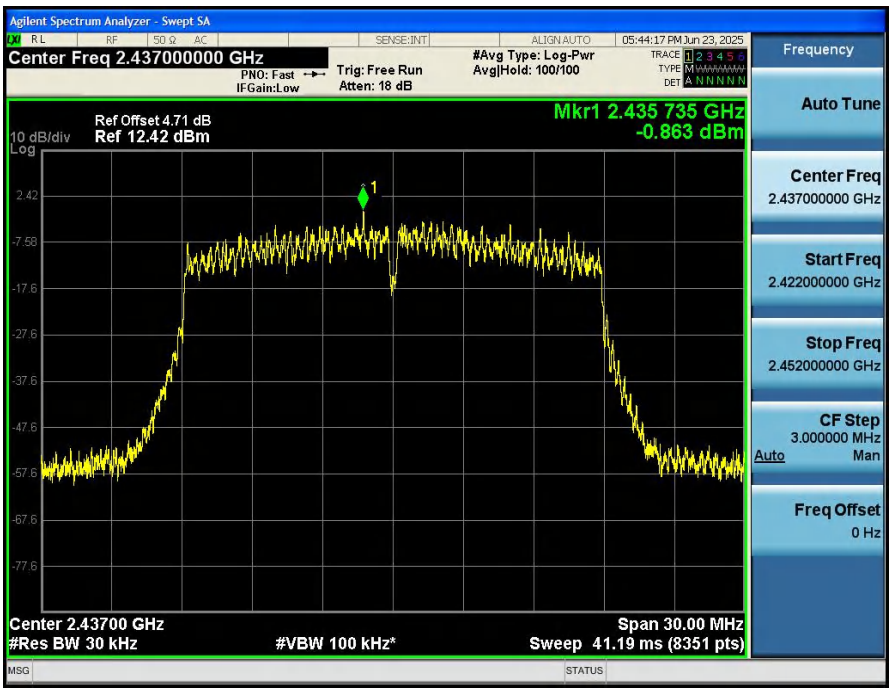
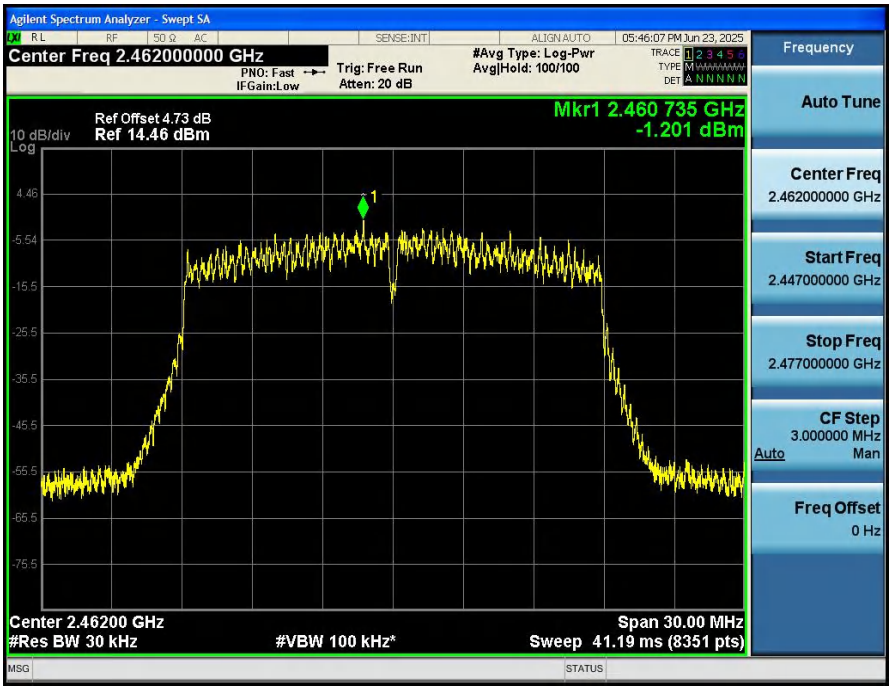


Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462



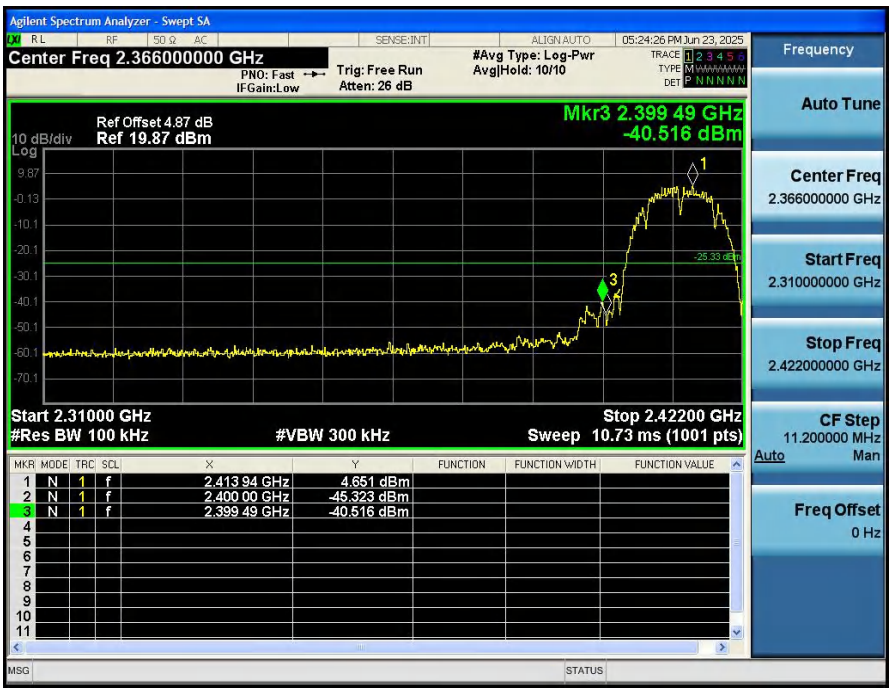
Appendix F: Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq (MHz)	Ref_level (dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.488	4.675	-40.516	-25.325	Pass
NVNT	ANT1	802.11b	2462.00	2483.536	3.770	-52.611	-26.230	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	4.461	-46.275	-25.539	Pass
NVNT	ANT1	802.11g	2462.00	2485.744	4.229	-50.993	-25.771	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.488	4.387	-46.147	-25.613	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2486.992	3.891	-49.967	-26.109	Pass

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

1_Reference_Level_NVNT_ANT1_802_11b_2412

2_Bandedge_NVNT_ANT1_802_11b_2412

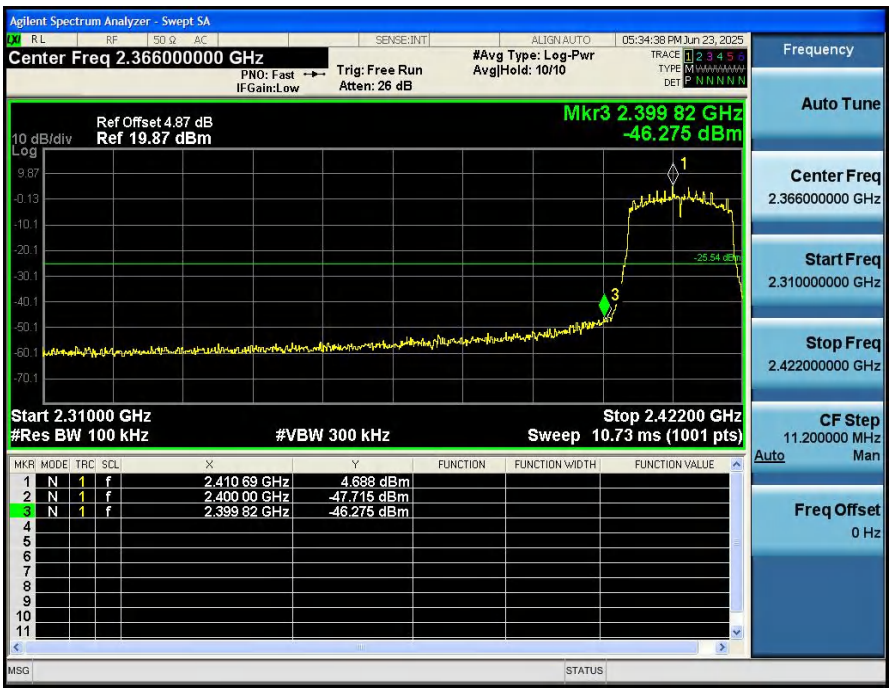


1_Reference_Level_NVNT_ANT1_802_11b_2462

2_Bandedge_NVNT_ANT1_802_11b_2462

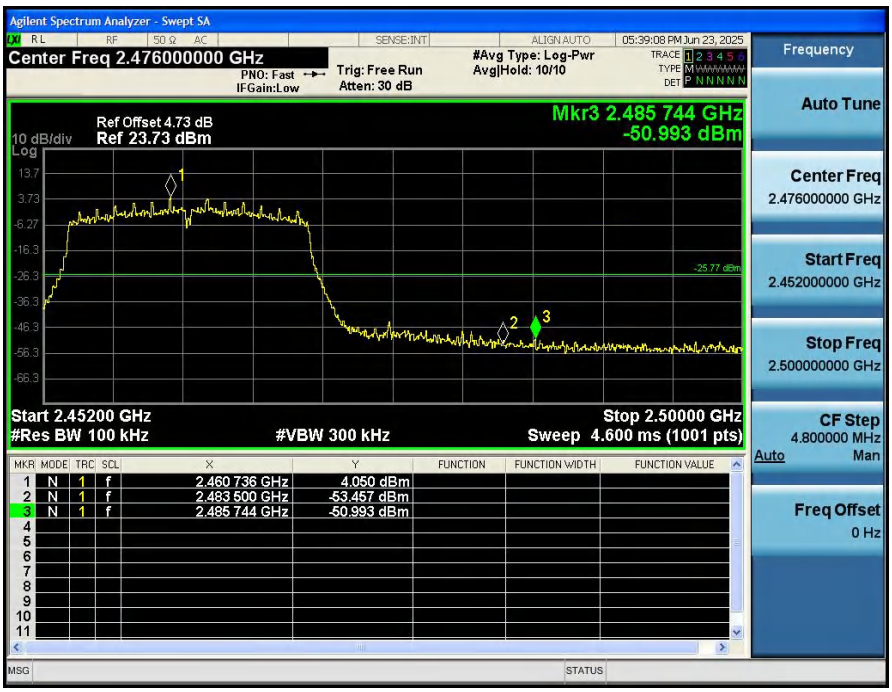
1_Reference_Level_NVNT_ANT1_802_11g_2412

2_Bandedge_NVNT_ANT1_802_11g_2412



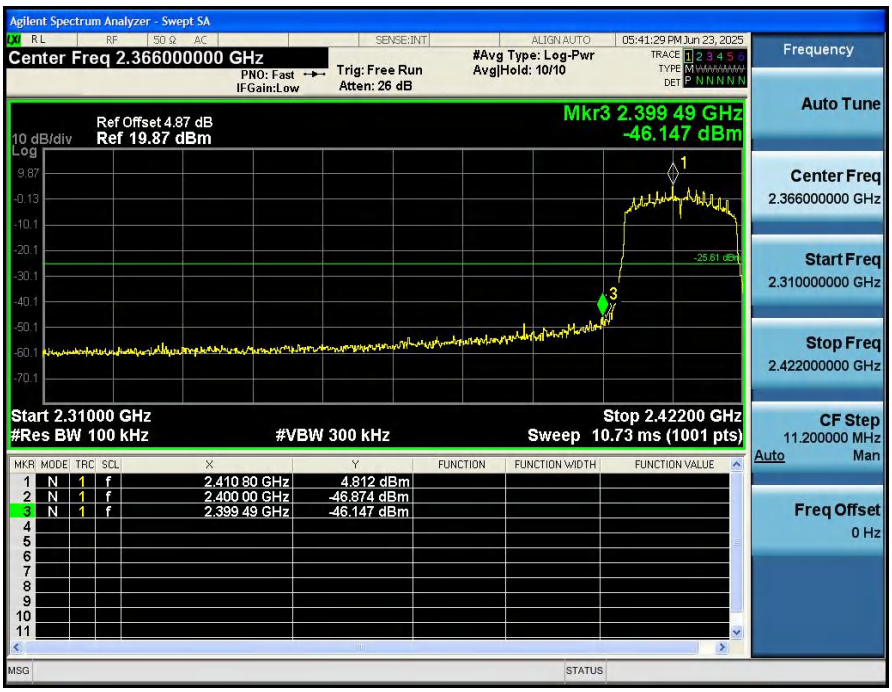
1_Reference_Level_NVNT_ANT1_802_11g_2462

2_Bandedge_NVNT_ANT1_802_11g_2462



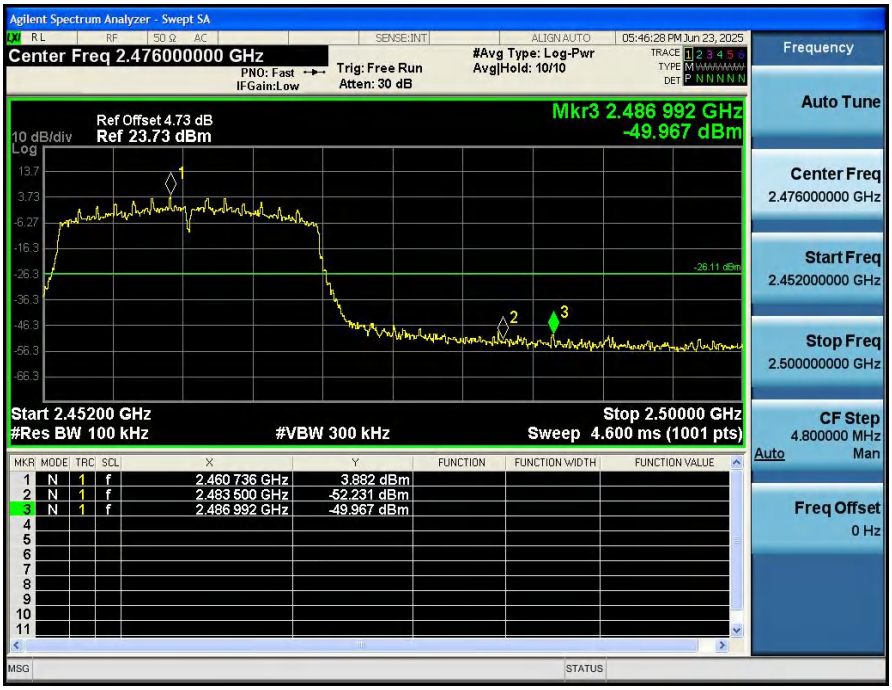
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462

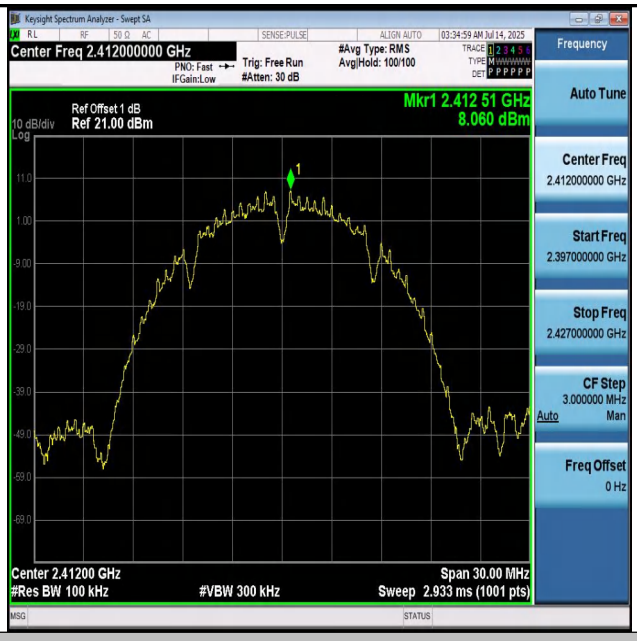
2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.476000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
#Avg Type: Log-Pwr
Avg|Hold: 10/10
05:46:28 PM Jun 23, 2025
Ref Offset 4.73 dB
10 dB/div
Ref 23.73 dBm
Mkr3 2.486 992 GHz
-49.967 dBm
-26.11 dBm
Start 2.45200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.50000 GHz
Sweep 4.600 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.460 736 GHz 3.882 dBm
2 N 1 f 2.483 500 GHz -52.231 dBm
3 N 1 f 2.486 992 GHz -49.967 dBm
Frequency
Auto Tune
Center Freq
2.476000000 GHz
Start Freq
2.452000000 GHz
Stop Freq
2.500000000 GHz
CF Step
4.800000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

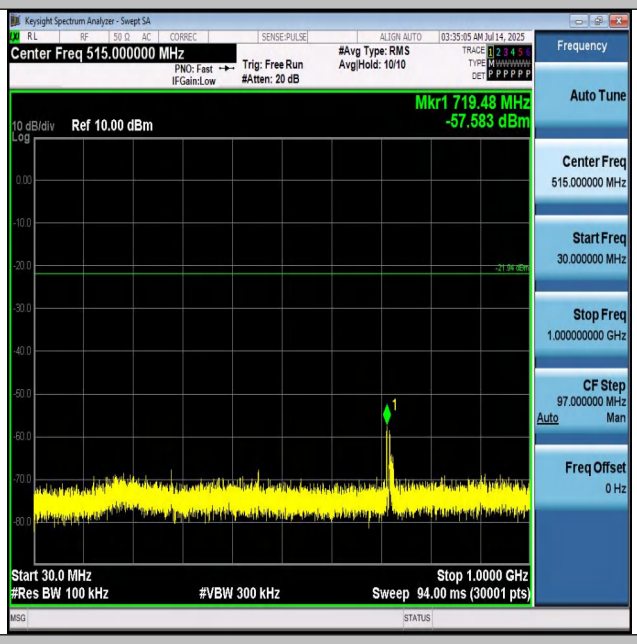
Appendix G: Spurious Emission

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Result
11B	Ant1	2412	0~Reference	8.06	8.06	---	Pass
11B	Ant1	2412	30~1000	8.06	-57.58	≤-21.94	Pass
11B	Ant1	2412	1000~26500	8.06	-45.08	≤-21.94	Pass
11B	Ant1	2437	0~Reference	7.30	7.30	---	Pass
11B	Ant1	2437	30~1000	7.30	-68.43	≤-22.7	Pass
11B	Ant1	2437	1000~26500	7.30	-47.53	≤-22.7	Pass
11B	Ant1	2462	0~Reference	7.64	7.64	---	Pass
11B	Ant1	2462	30~1000	7.64	-66.55	≤-22.36	Pass
11B	Ant1	2462	1000~26500	7.64	-50.12	≤-22.36	Pass
11G	Ant1	2412	0~Reference	3.53	3.53	---	Pass
11G	Ant1	2412	30~1000	3.53	-67.53	≤-26.47	Pass
11G	Ant1	2412	1000~26500	3.53	-52.48	≤-26.47	Pass
11G	Ant1	2437	0~Reference	3.20	3.20	---	Pass
11G	Ant1	2437	30~1000	3.20	-68.25	≤-26.8	Pass
11G	Ant1	2437	1000~26500	3.20	-53.37	≤-26.8	Pass
11G	Ant1	2462	0~Reference	3.54	3.54	---	Pass
11G	Ant1	2462	30~1000	3.54	-67.58	≤-26.46	Pass
11G	Ant1	2462	1000~26500	3.54	-52.41	≤-26.46	Pass
11N20SISO	Ant1	2412	0~Reference	4.80	4.80	---	Pass
11N20SISO	Ant1	2412	30~1000	4.80	-67.68	≤-25.2	Pass
11N20SISO	Ant1	2412	1000~26500	4.80	-51.45	≤-25.2	Pass
11N20SISO	Ant1	2437	0~Reference	4.49	4.49	---	Pass
11N20SISO	Ant1	2437	30~1000	4.49	-68.27	≤-25.51	Pass
11N20SISO	Ant1	2437	1000~26500	4.49	-52.92	≤-25.51	Pass
11N20SISO	Ant1	2462	0~Reference	4.04	4.04	---	Pass
11N20SISO	Ant1	2462	30~1000	4.04	-65.92	≤-25.96	Pass
11N20SISO	Ant1	2462	1000~26500	4.04	-53.3	≤-25.96	Pass

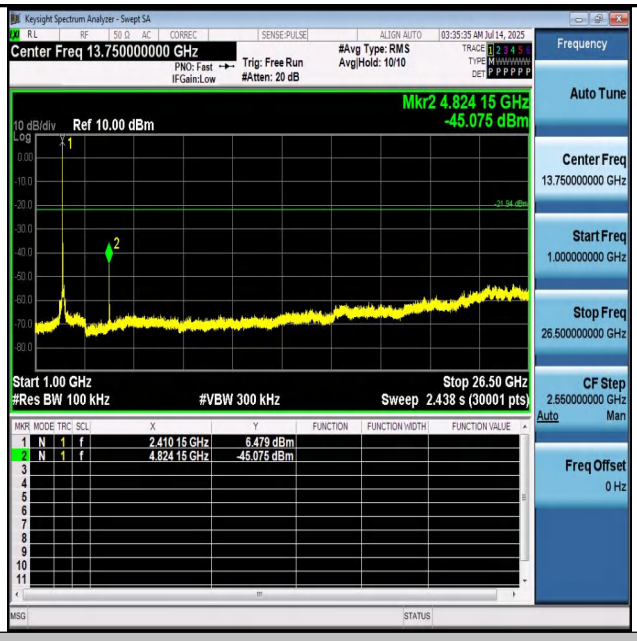
Note:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'Input Correction' of the Spectrum Analyzer during the test.



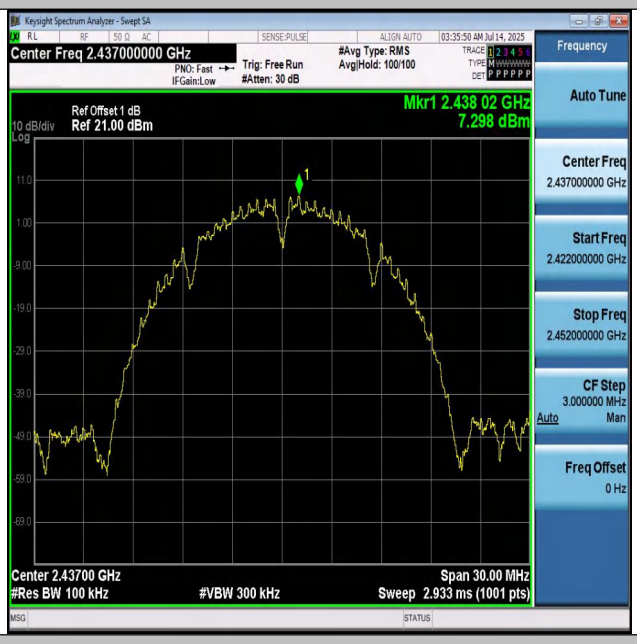
11B-Ant1-2412-0~Reference-PASS



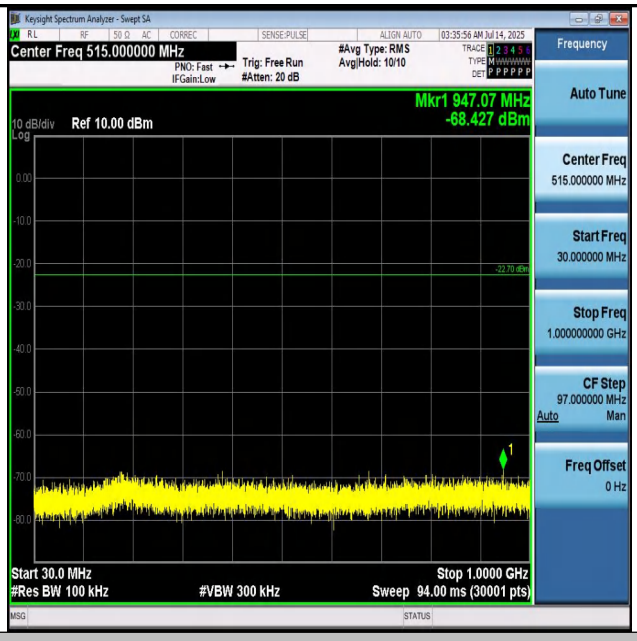
11B-Ant1-2412-30~1000-PASS



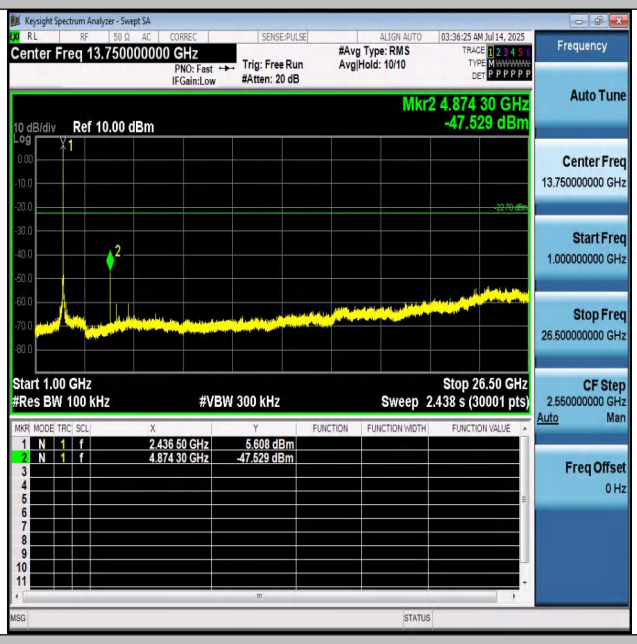
11B-Ant1-2412-1000~26500-PASS



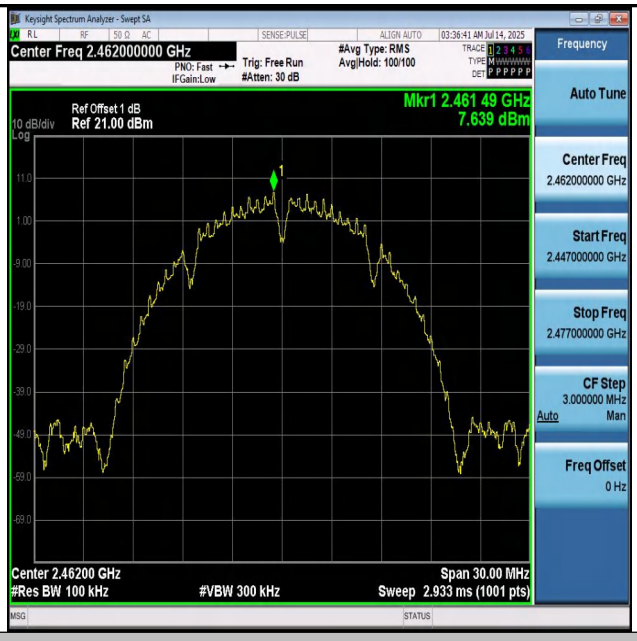
11B-Ant1-2437-0~Reference-PASS



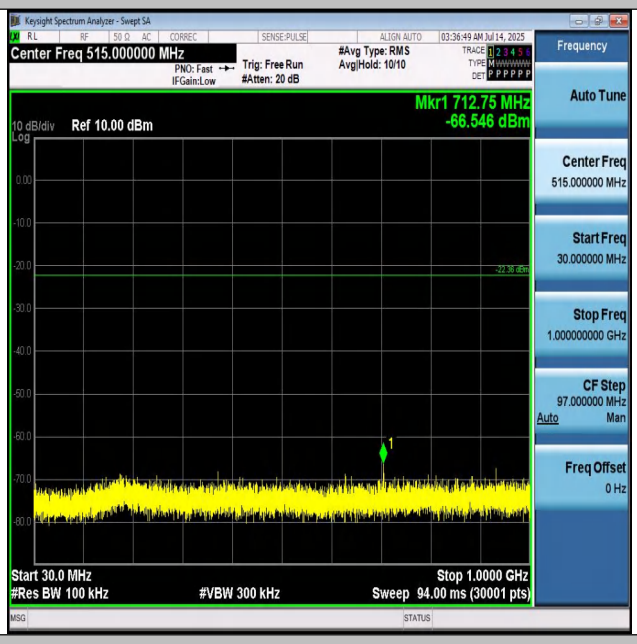
11B-Ant1-2437-30~1000-PASS



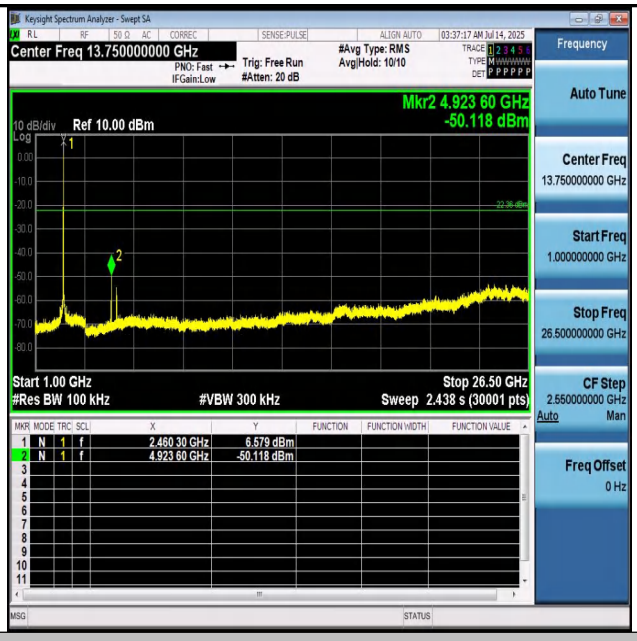
11B-Ant1-2437-1000~26500-PASS



11B-Ant1-2462-0~Reference-PASS

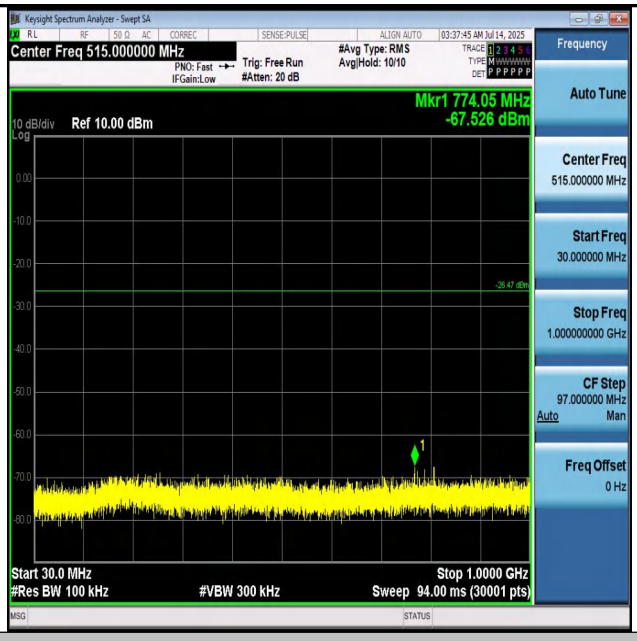


11B-Ant1-2462-30~1000-PASS

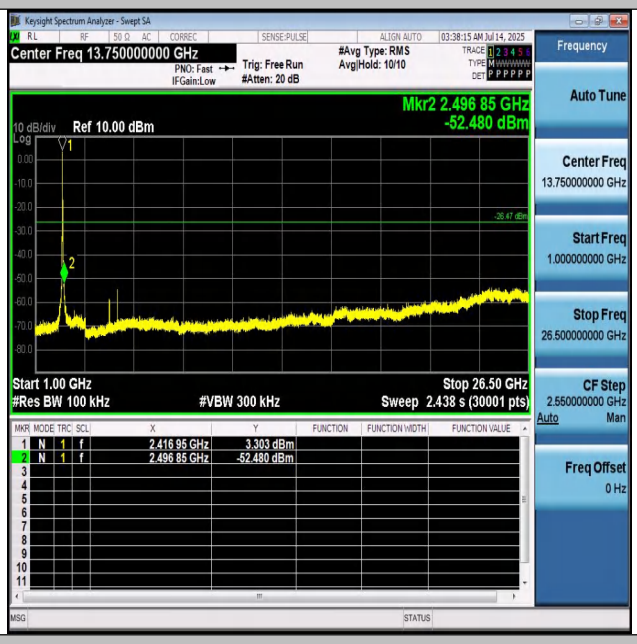


11B-Ant1-2462-1000~26500-PASS

11G-Ant1-2412-0~Reference-PASS

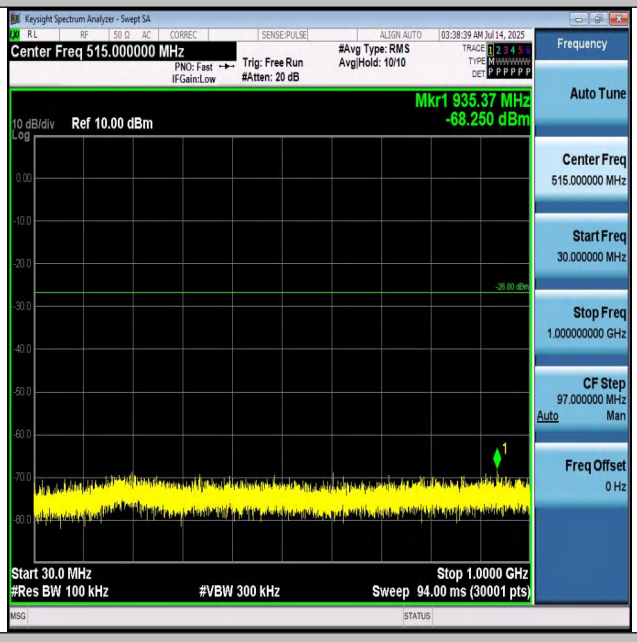


11G-Ant1-2412-30~1000-PASS

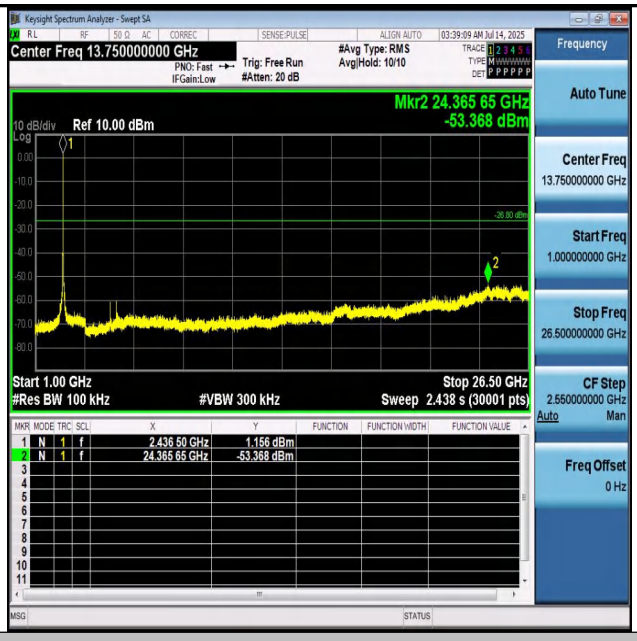


11G-Ant1-2412-1000~26500-PASS

11G-Ant1-2437-0~Reference-PASS

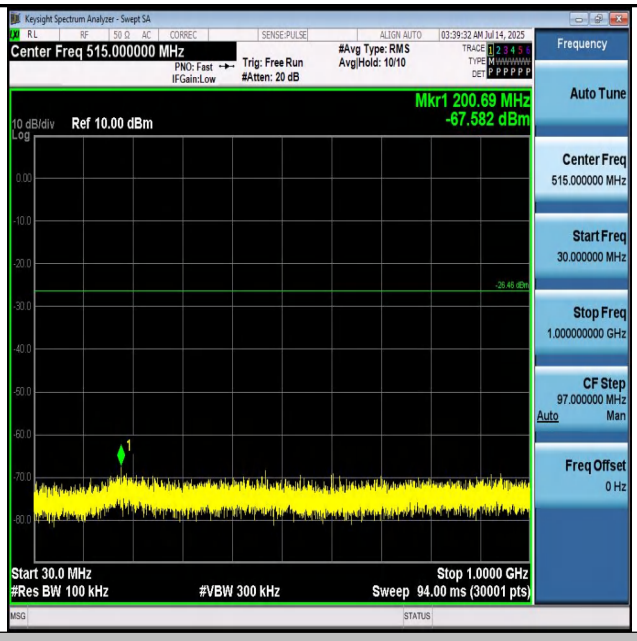


11G-Ant1-2437-30~1000-PASS

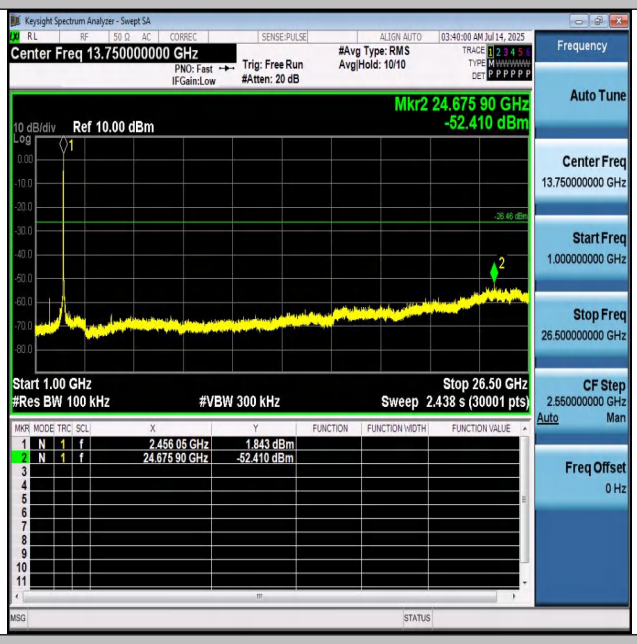


11G-Ant1-2437-1000~26500-PASS

11G-Ant1-2462-0~Reference-PASS

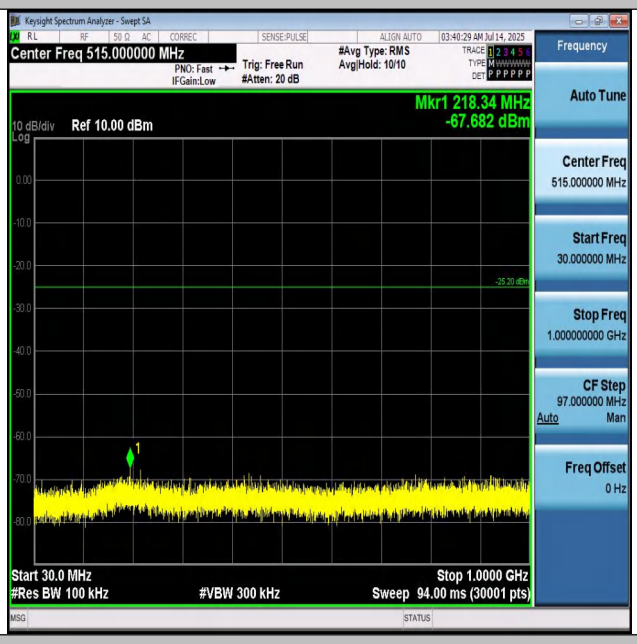


11G-Ant1-2462-30~1000-PASS

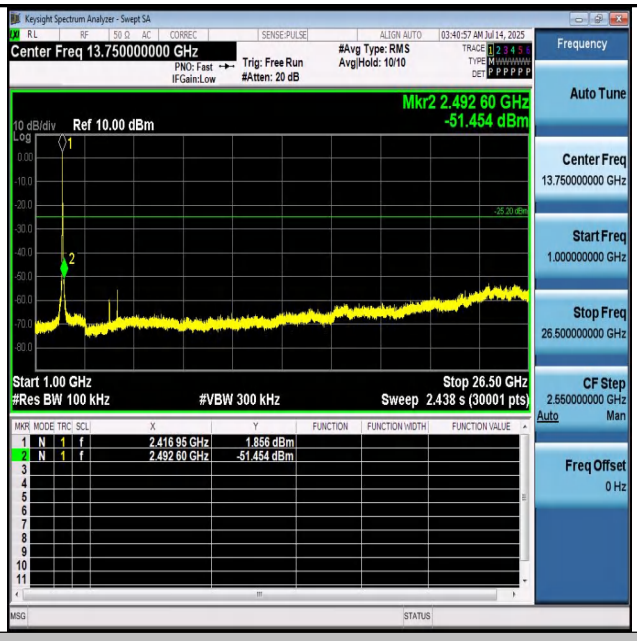


11G-Ant1-2462-1000~26500-PASS

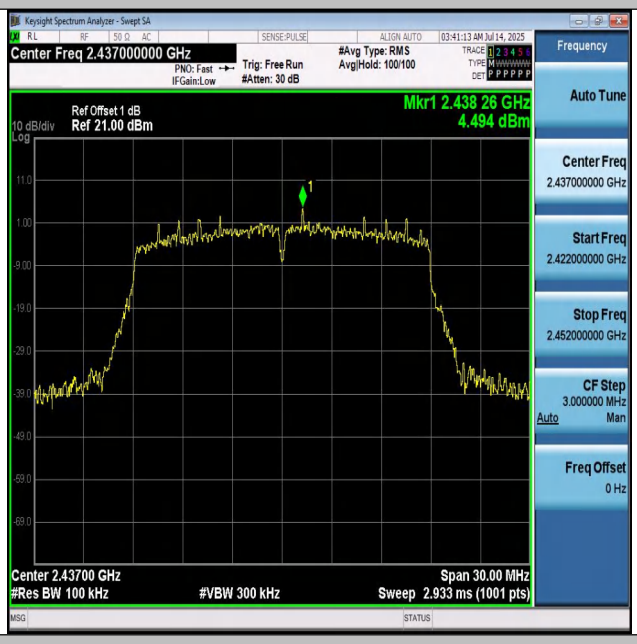
11N20SISO-Ant1-2412-0~Reference-PASS



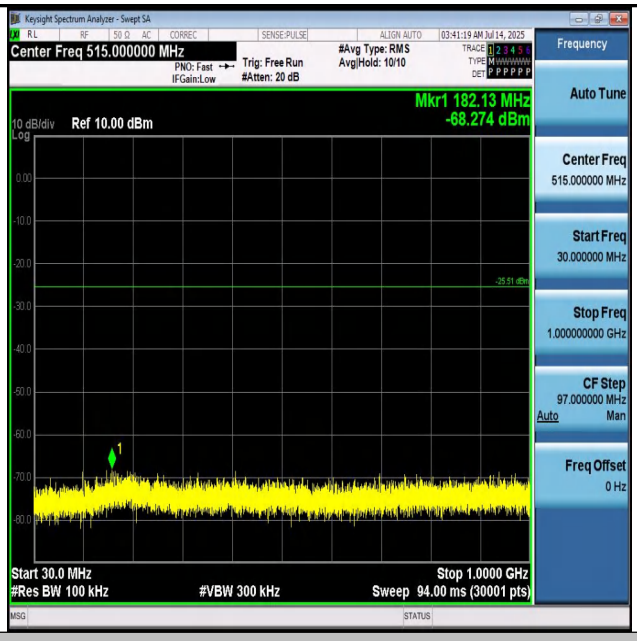
11N20SISO-Ant1-2412-30~1000-PASS



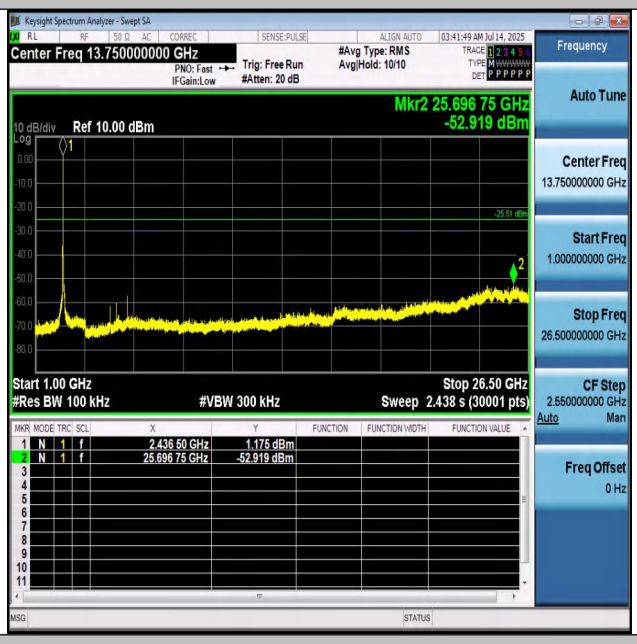
11N20SISO-Ant1-2412-1000~26500-PASS



11N20SISO-Ant1-2437-0~Reference-PASS

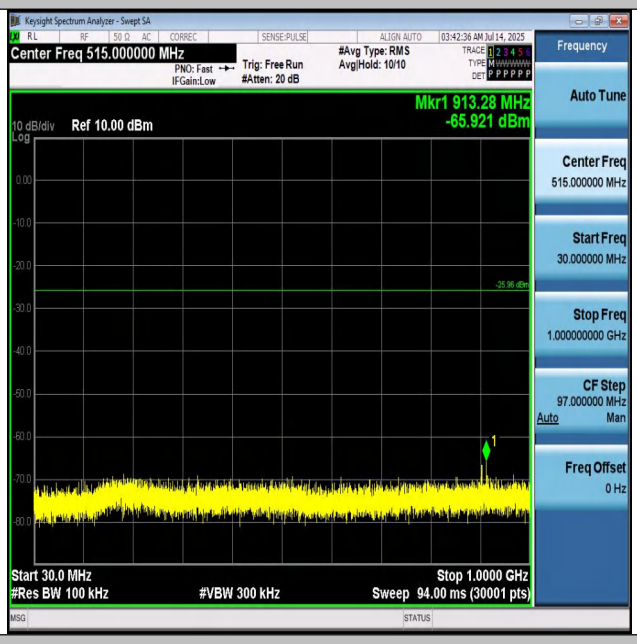


11N20SISO-Ant1-2437-30~1000-PASS



11N20SISO-Ant1-2437-1000~26500-PASS

11N20SISO-Ant1-2462-0~Reference-PASS



11N20SISO-Ant1-2462-30~1000-PASS

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