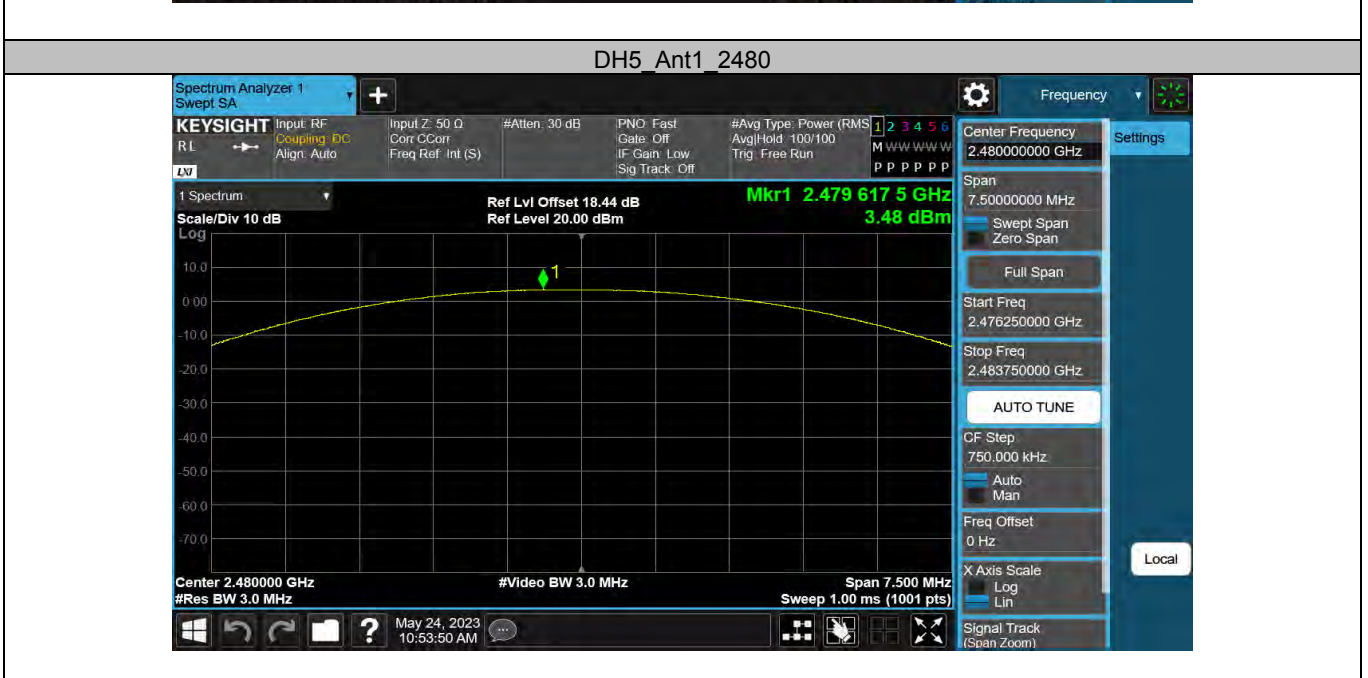
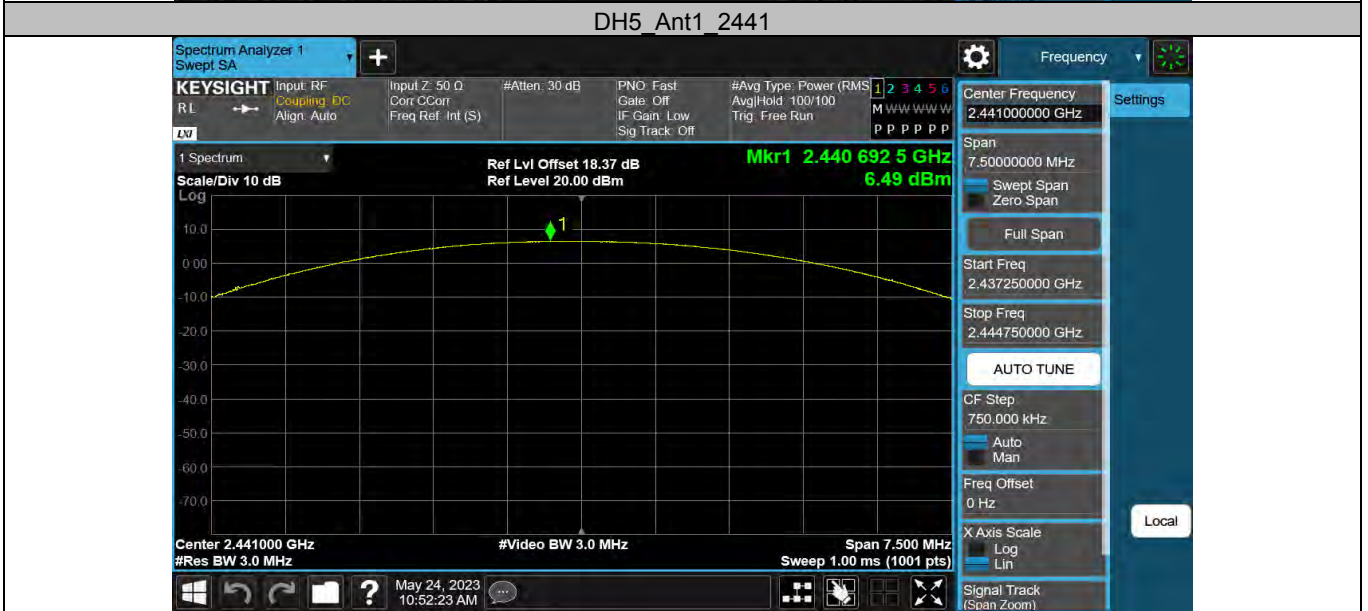
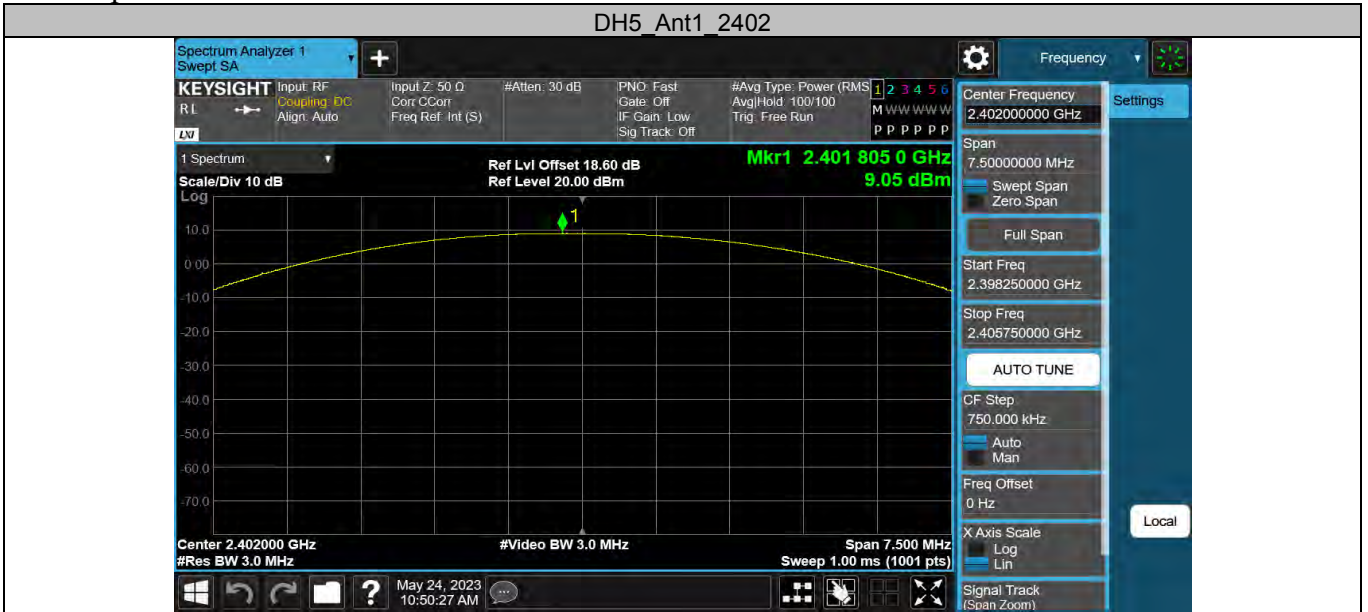


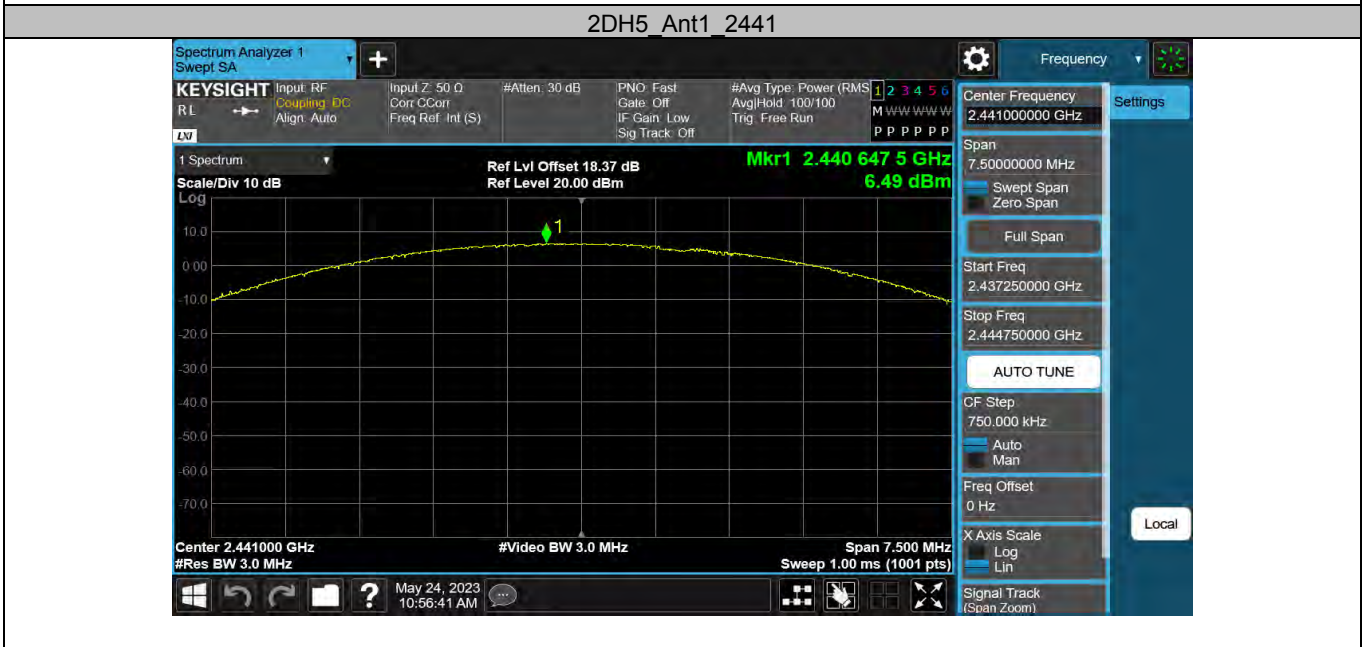
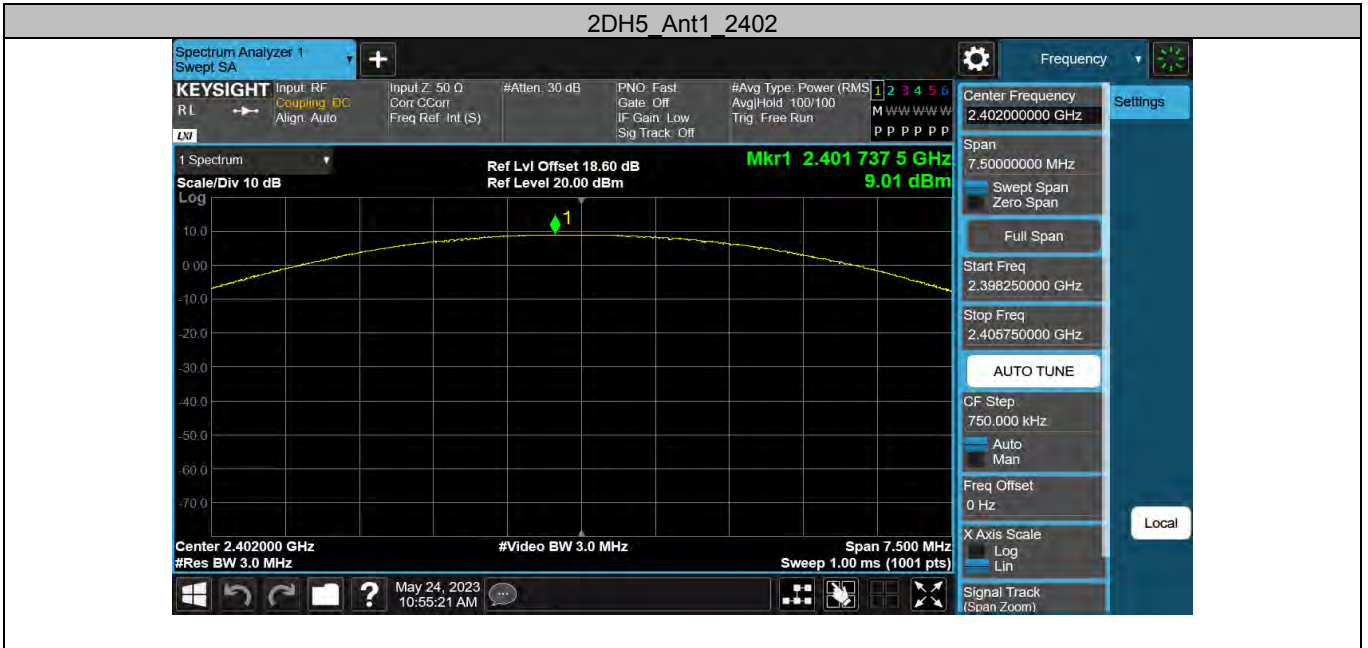
13. APPENDIX

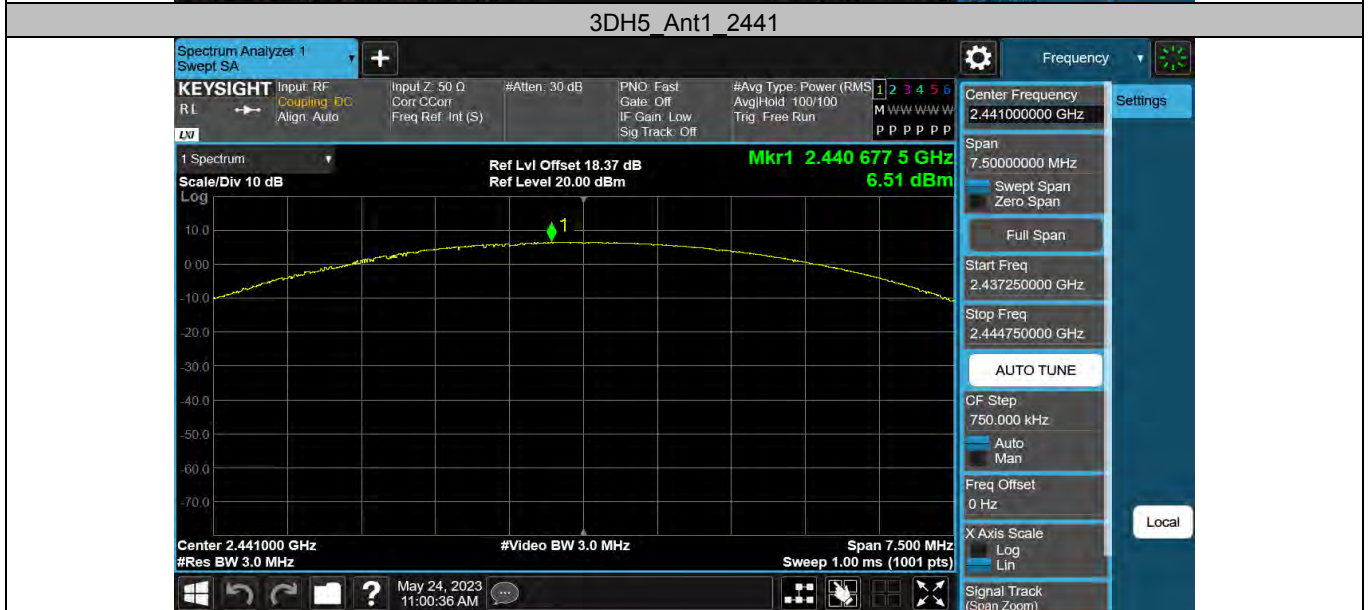
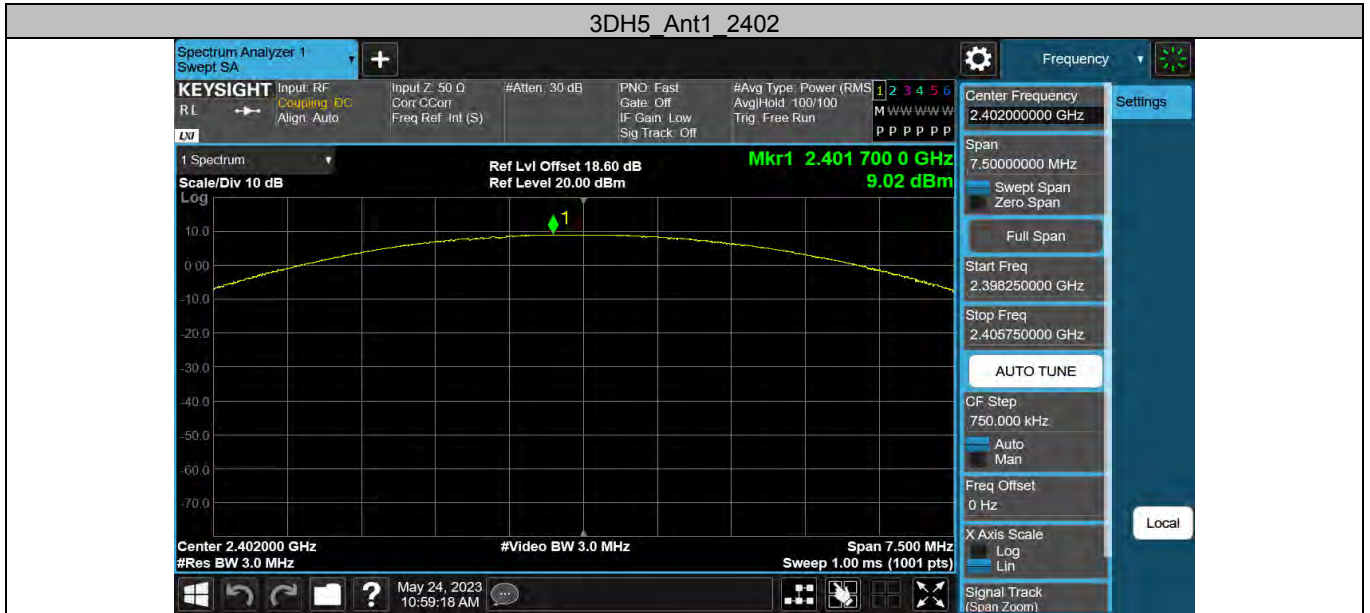
Appendix A: Maximum conducted output power Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	9.05	≤20.97	PASS
		2441	6.49	≤20.97	PASS
		2480	3.48	≤20.97	PASS
2DH5	Ant1	2402	9.01	≤20.97	PASS
		2441	6.49	≤20.97	PASS
		2480	3.48	≤20.97	PASS
3DH5	Ant1	2402	9.02	≤20.97	PASS
		2441	6.51	≤20.97	PASS
		2480	3.50	≤20.97	PASS

Test Graphs



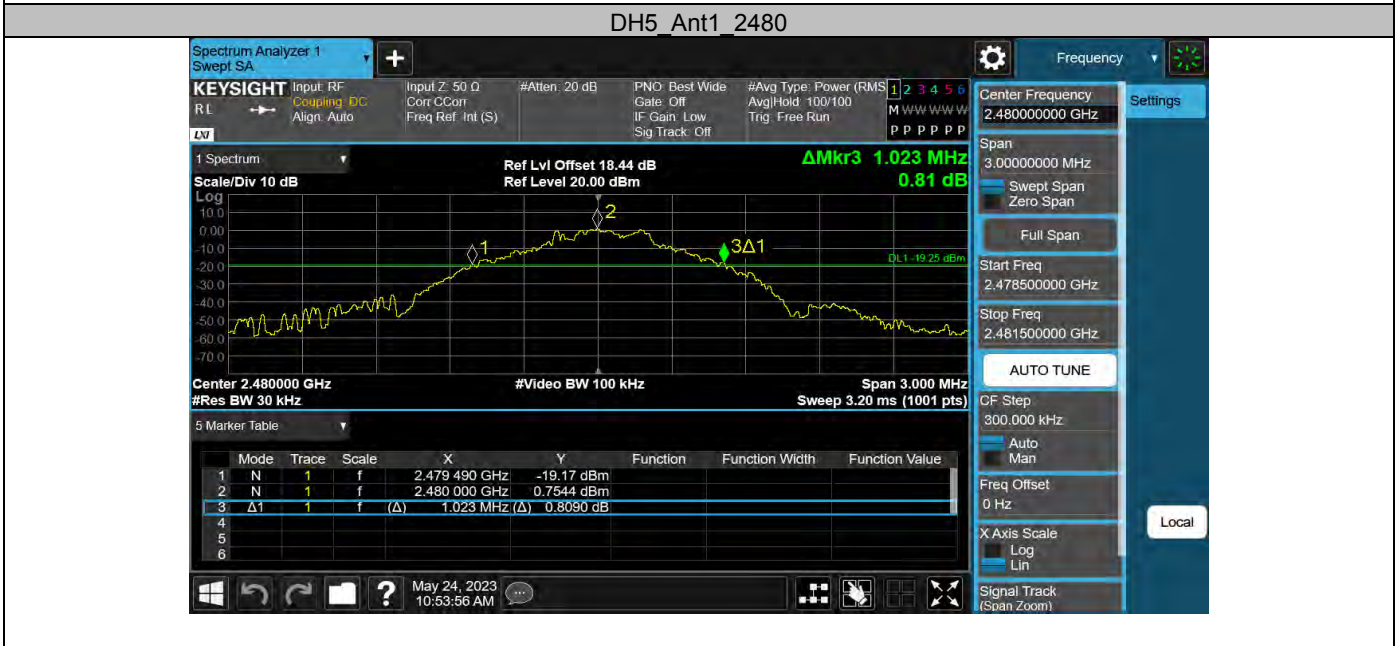
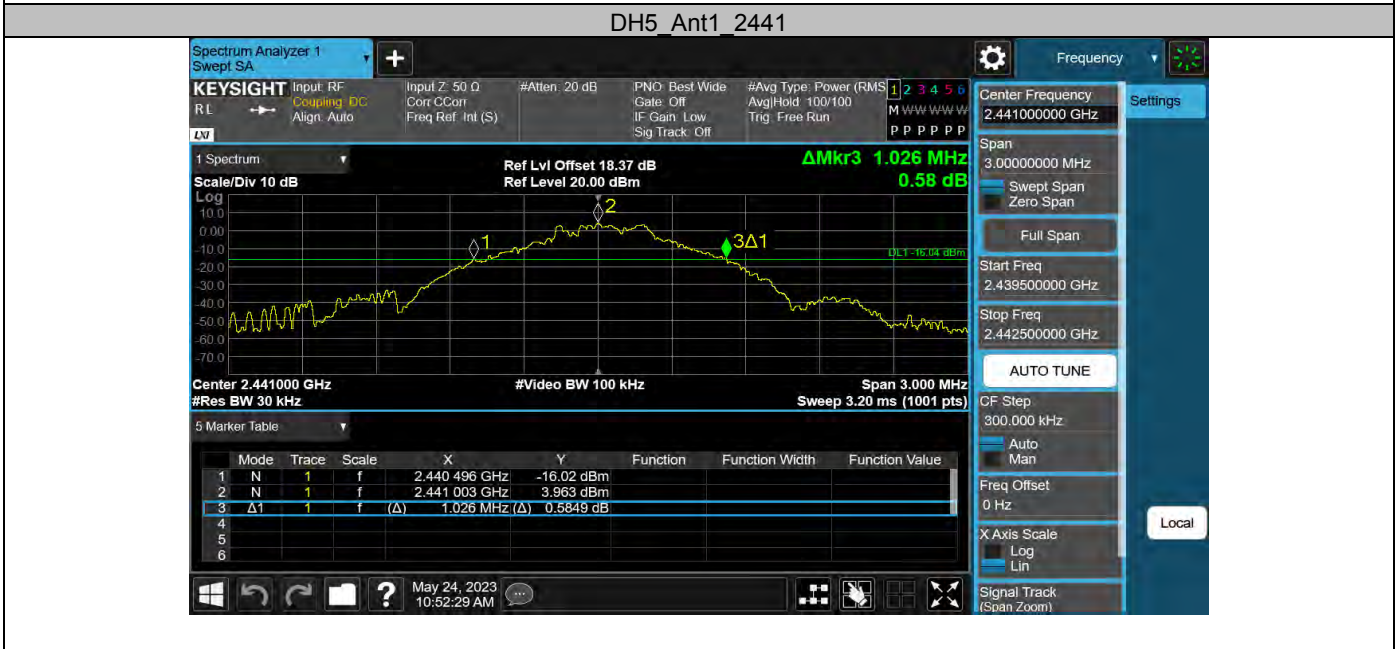
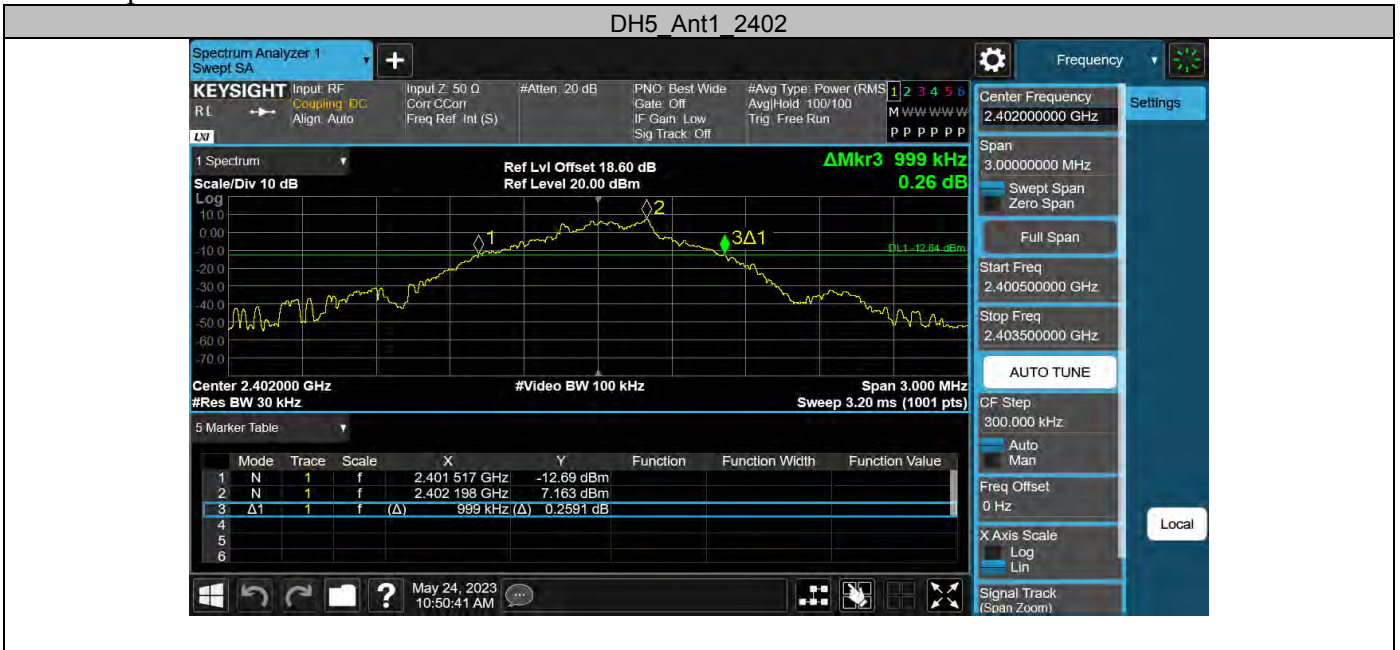




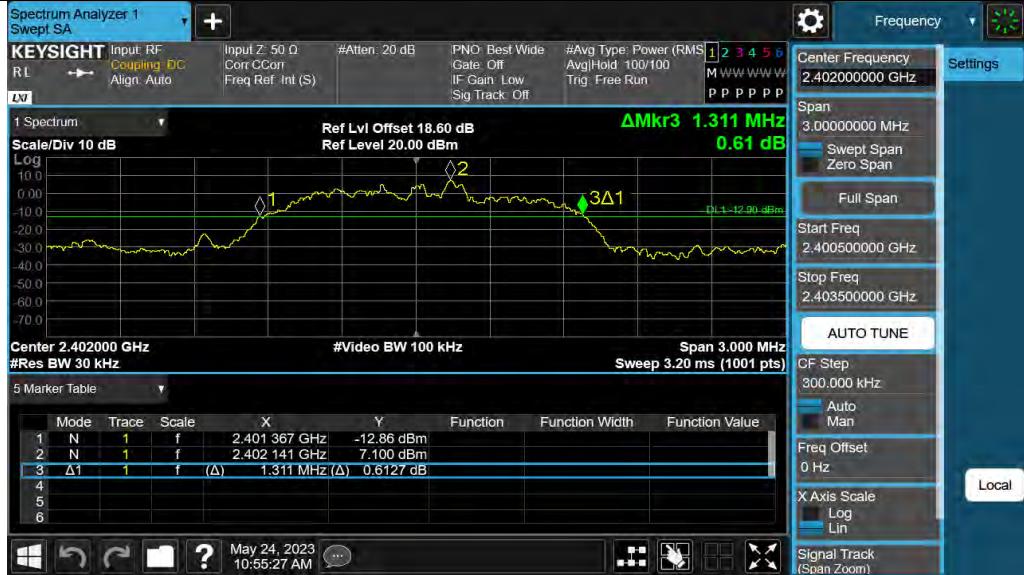
Appendix B: 20dB Emission Bandwidth
Test Result

Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.999	2401.517	2402.516	---	---
		2441	1.026	2440.496	2441.522	---	---
		2480	1.023	2479.490	2480.513	---	---
2DH5	Ant1	2402	1.311	2401.367	2402.678	---	---
		2441	1.302	2440.376	2441.678	---	---
		2480	1.296	2479.379	2480.675	---	---
3DH5	Ant1	2402	1.296	2401.367	2402.663	---	---
		2441	1.296	2440.361	2441.657	---	---
		2480	1.293	2479.361	2480.654	---	---

Test Graphs



2DH5 Ant1 2402

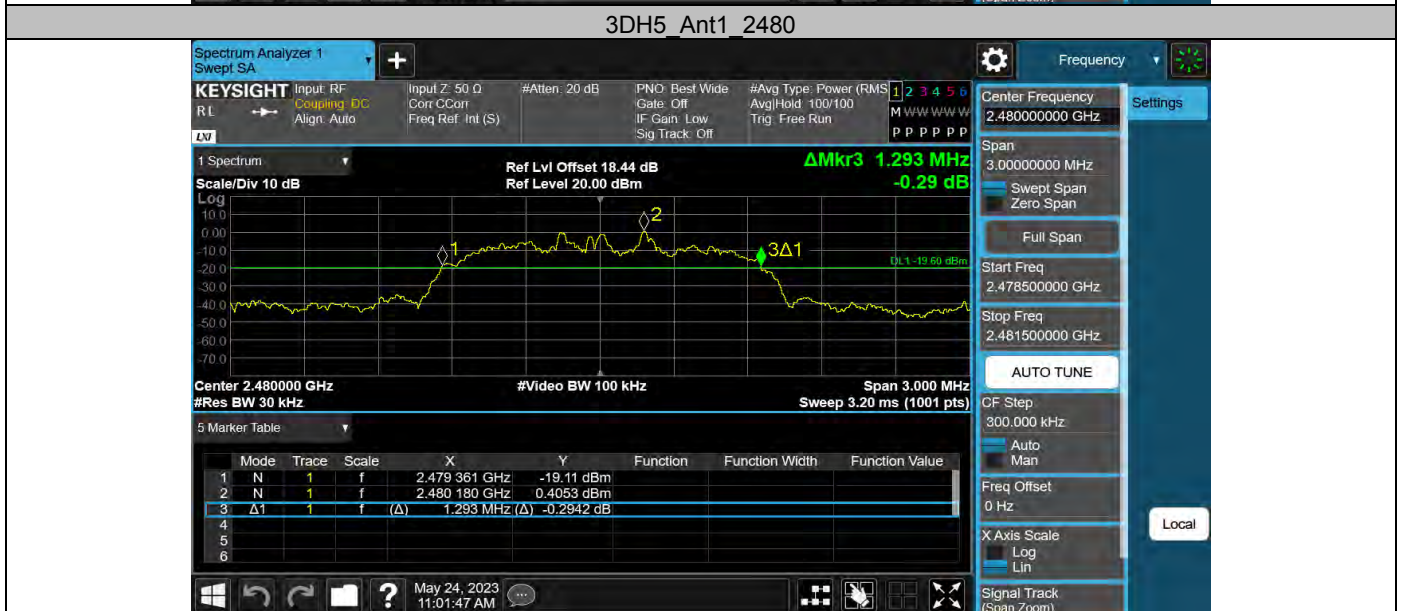
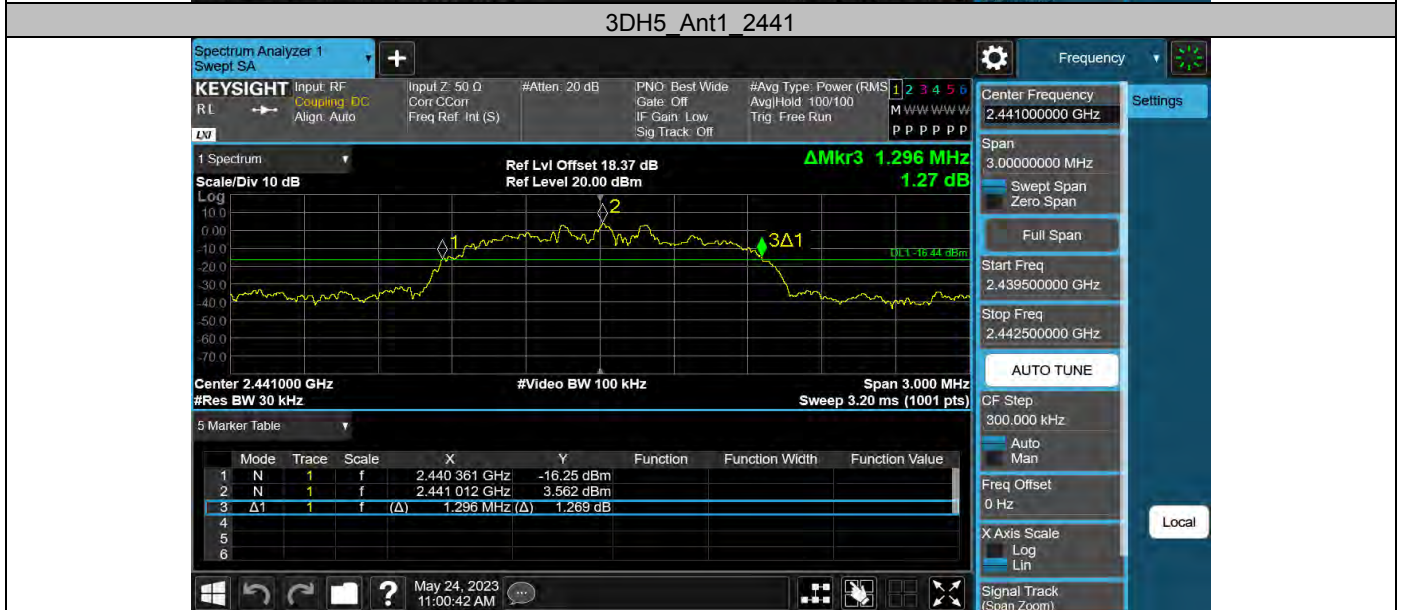
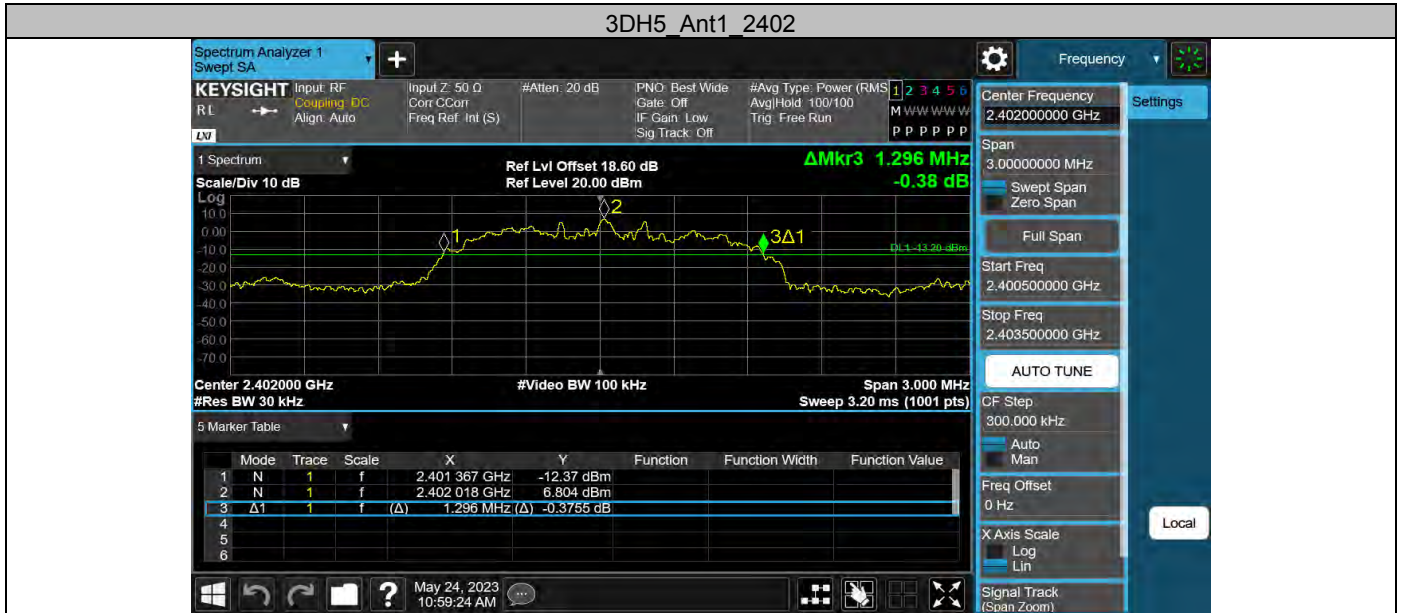


2DH5 Ant1 2441



2DH5 Ant1 2480



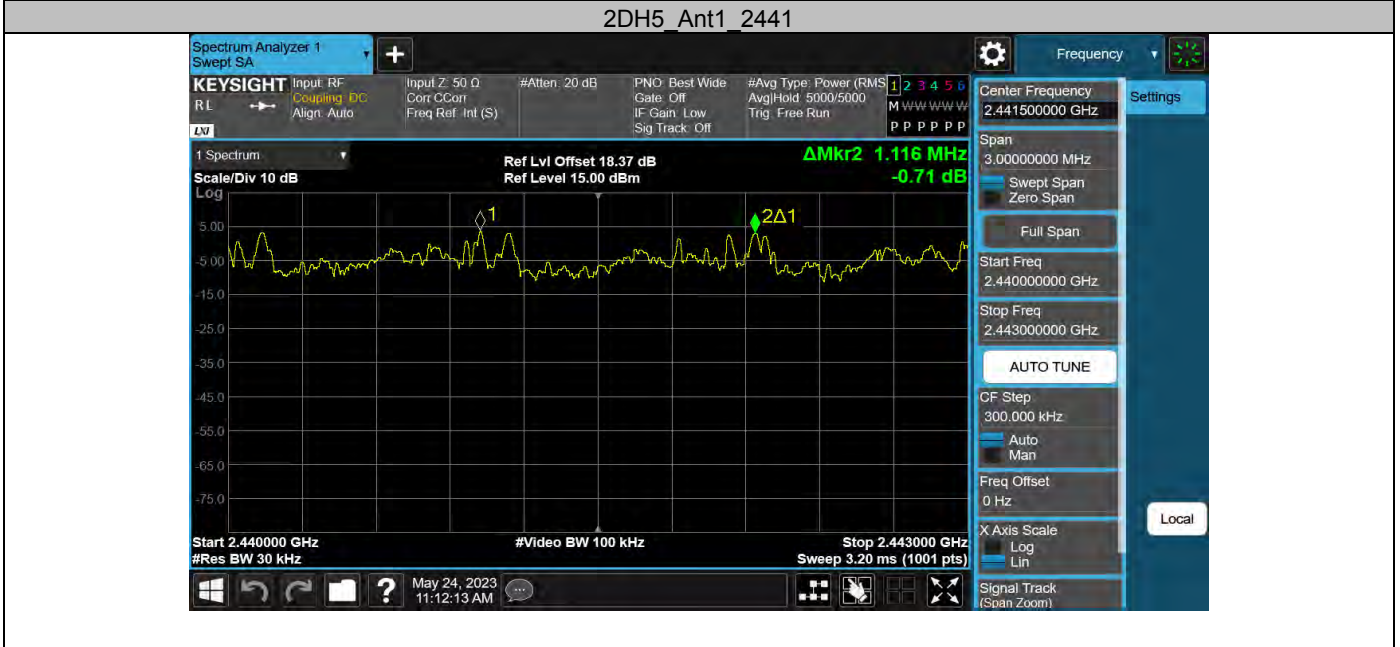
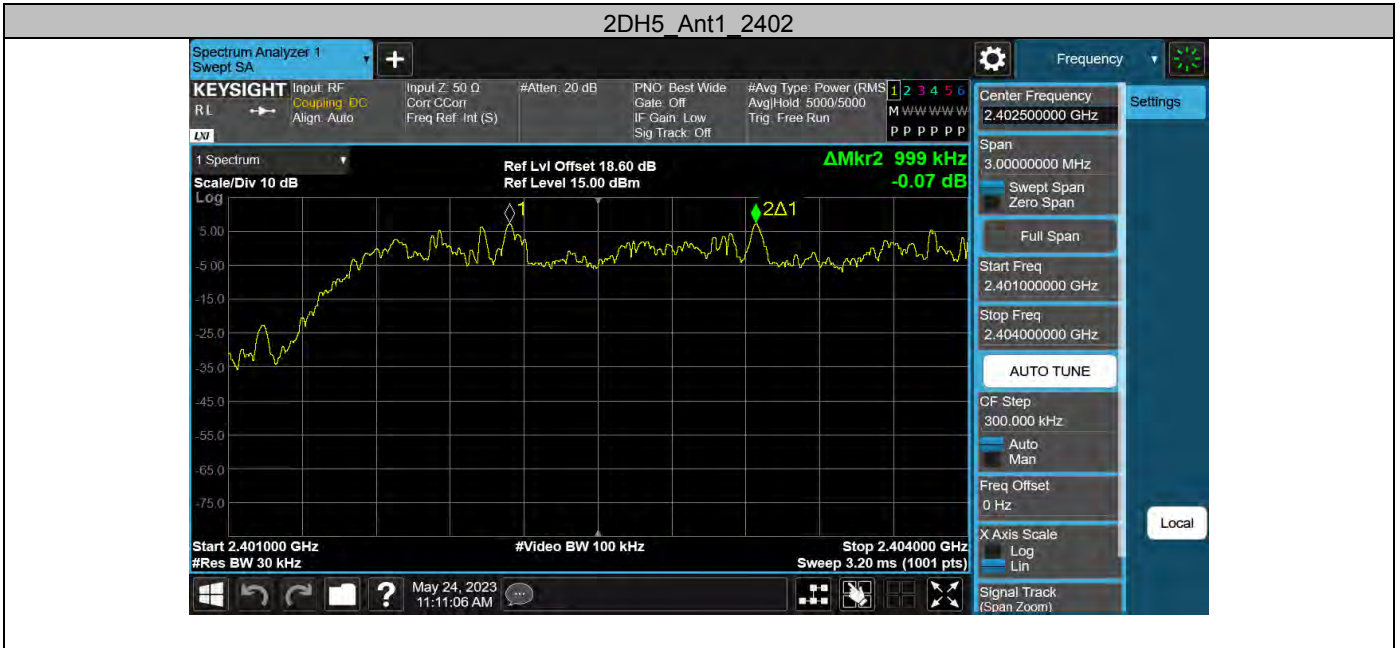


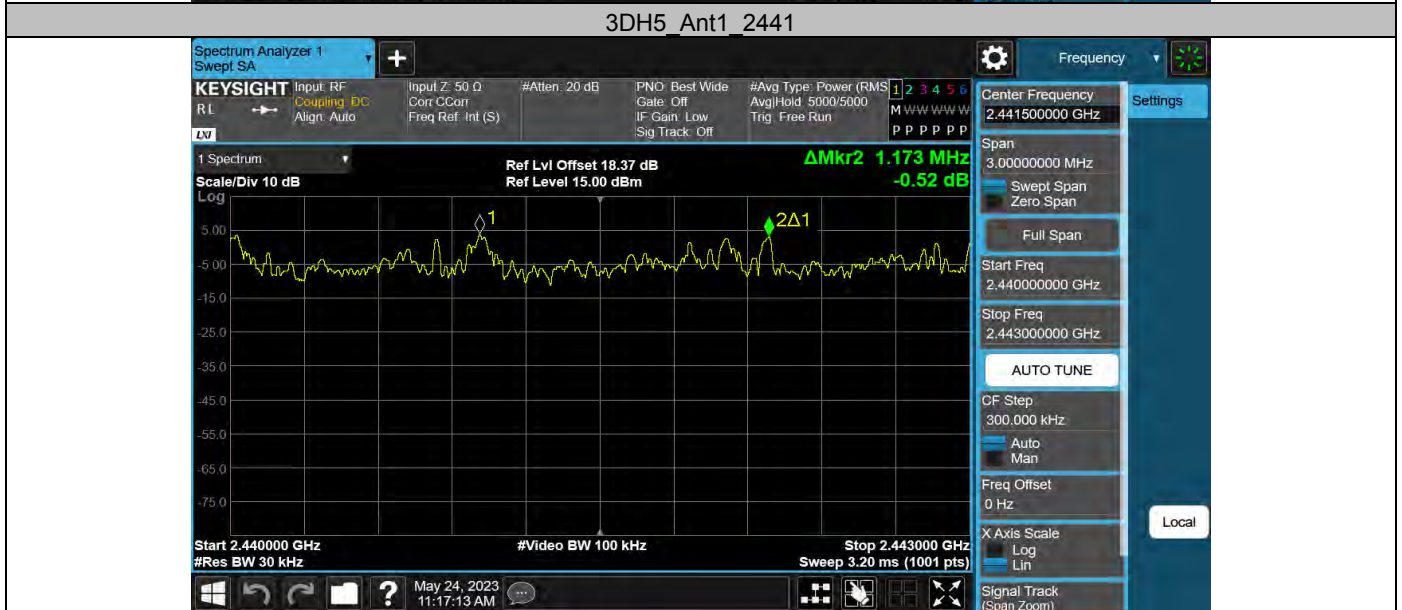
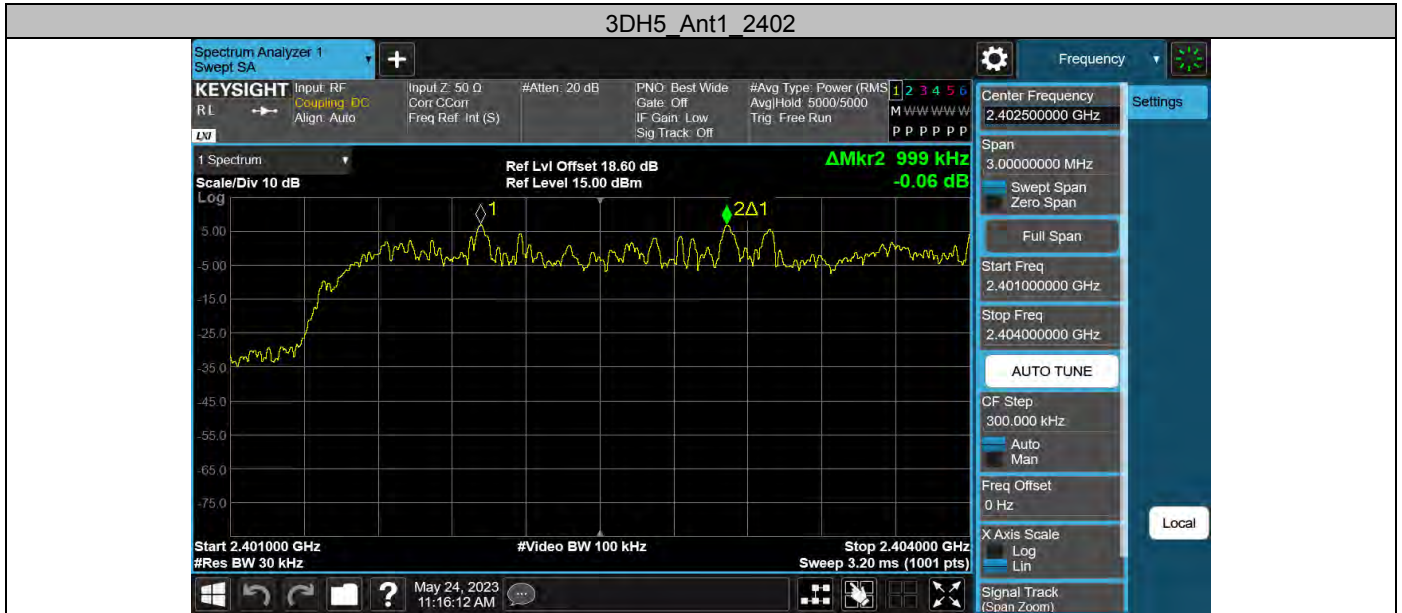
Appendix C: Carrier frequency separation
Test Result

Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.987	≥0.684	PASS
		2441	0.999	≥0.684	PASS
		2480	0.816	≥0.684	PASS
2DH5	Ant1	2402	0.999	≥0.874	PASS
		2441	1.116	≥0.874	PASS
		2480	1.002	≥0.874	PASS
3DH5	Ant1	2402	0.999	≥0.864	PASS
		2441	1.173	≥0.864	PASS
		2480	0.999	≥0.864	PASS

Test Graphs



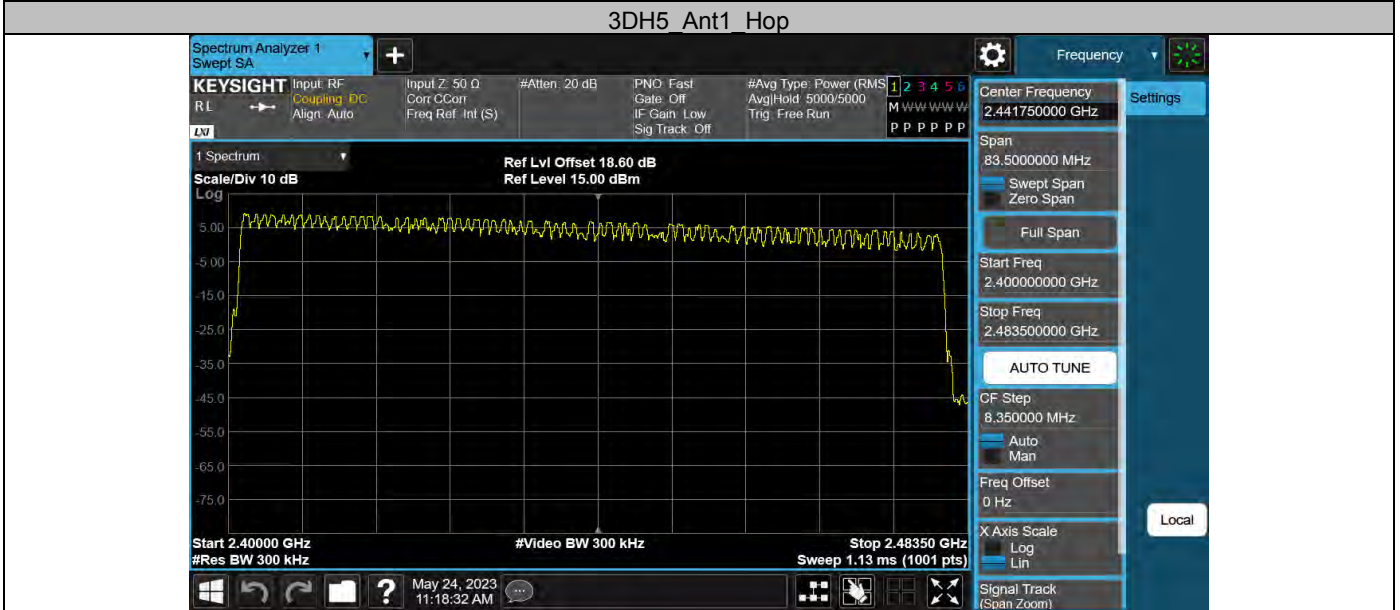
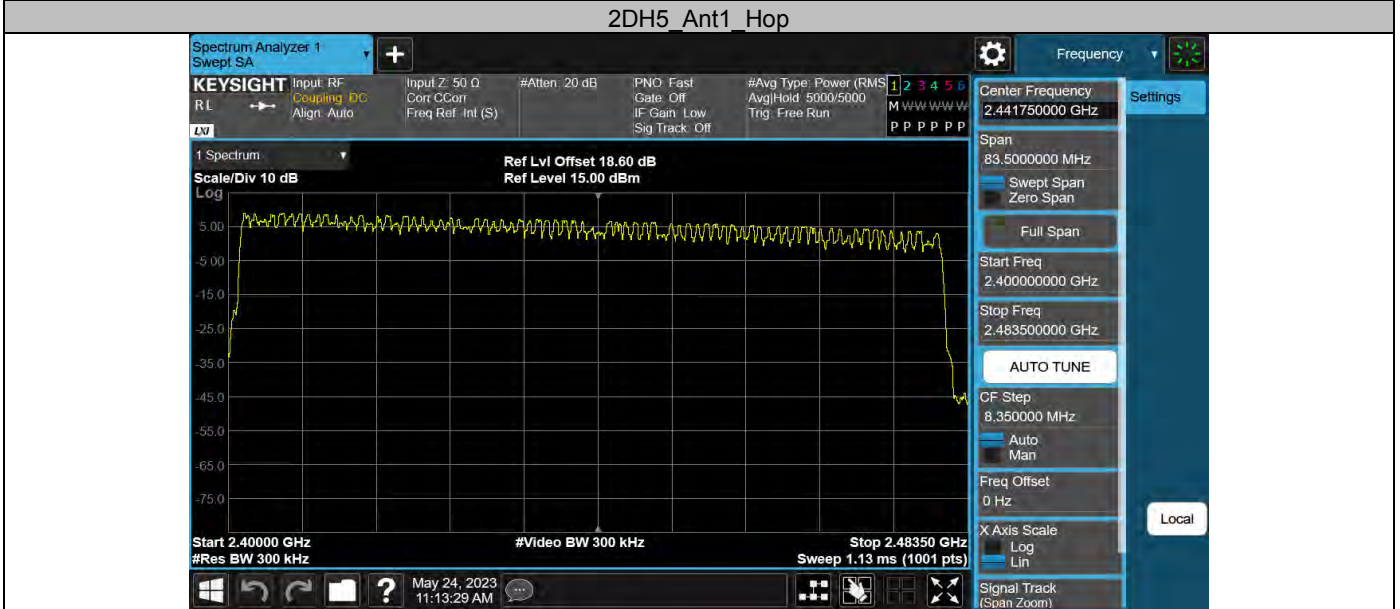




Appendix D: Number of hopping channels
 Test Result

Test Mode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

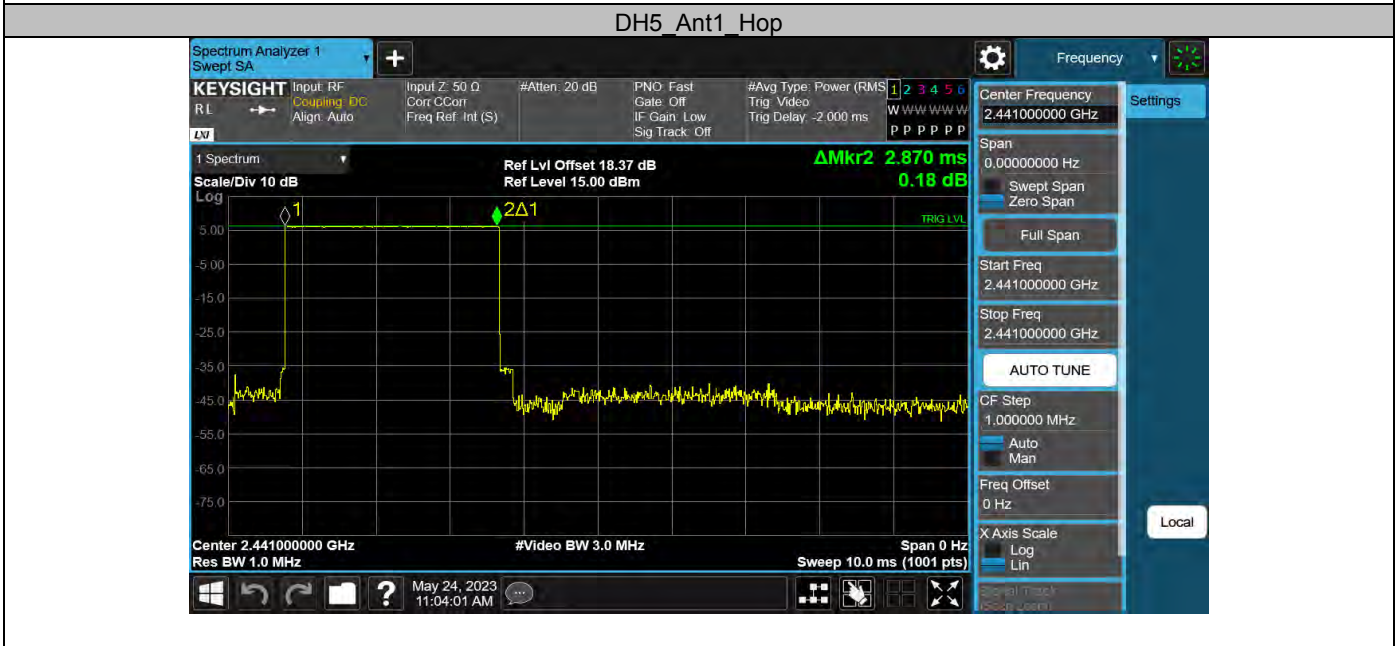
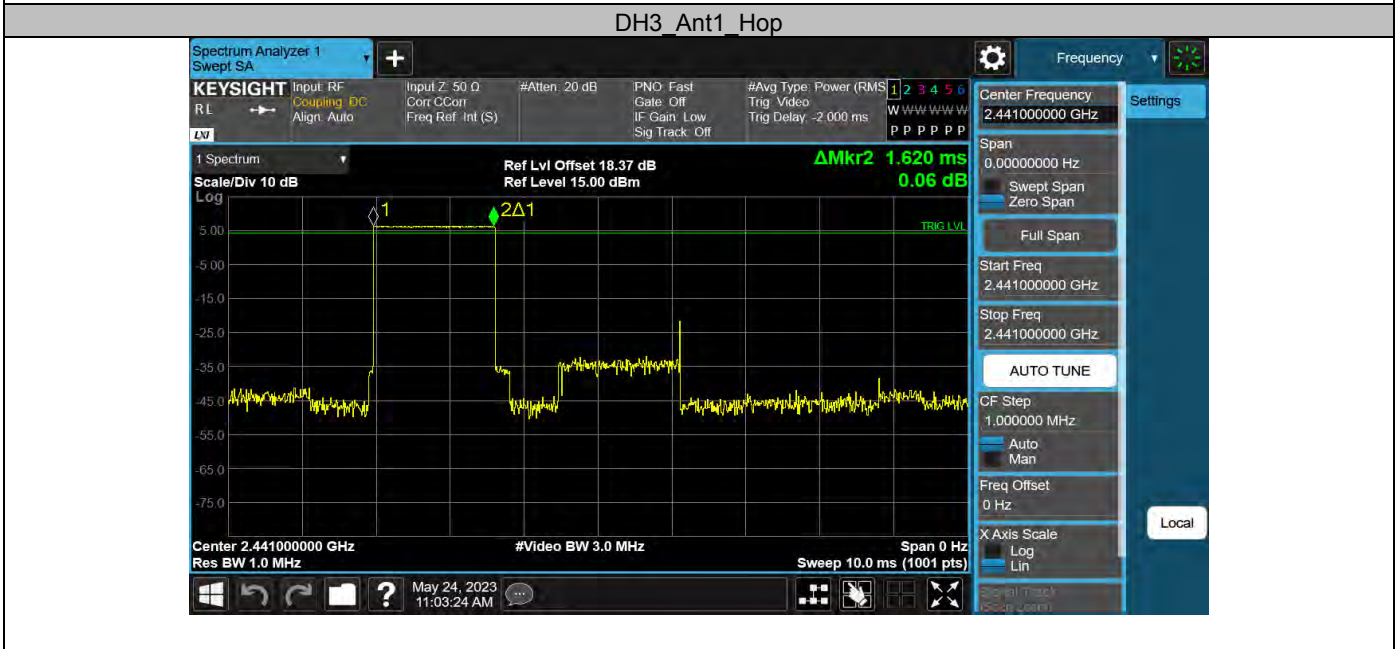
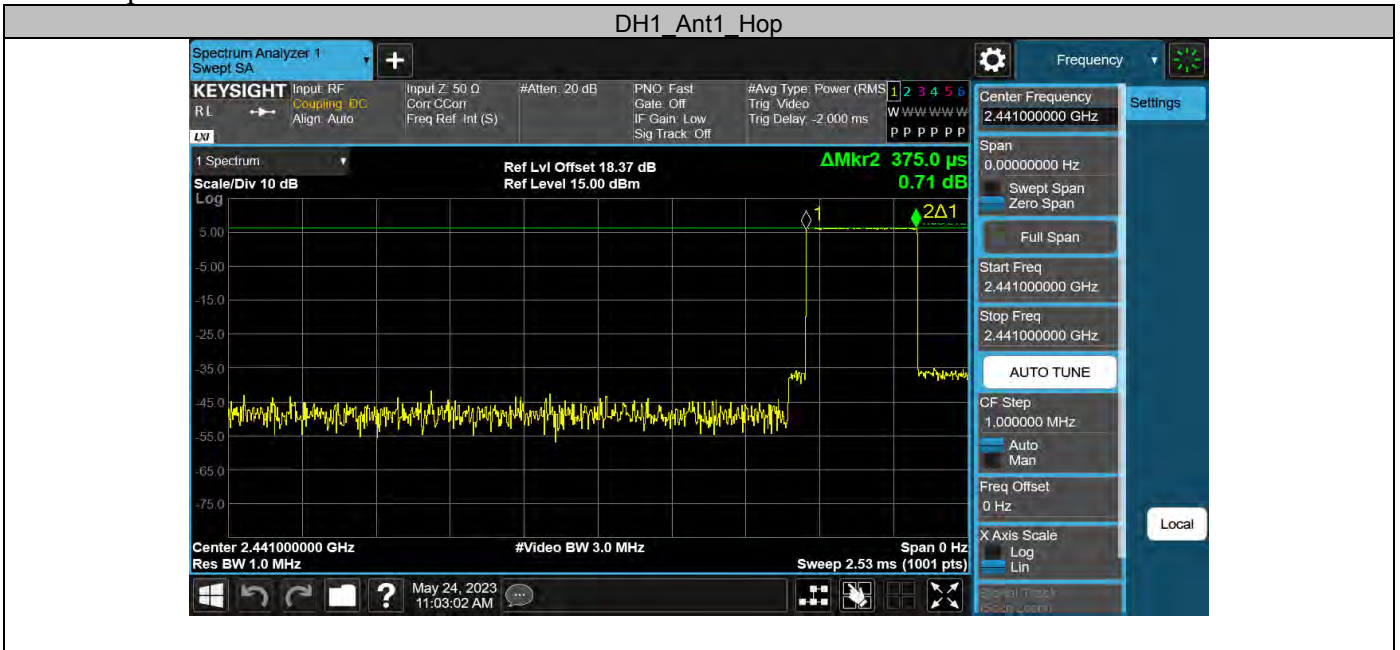
Test Graphs

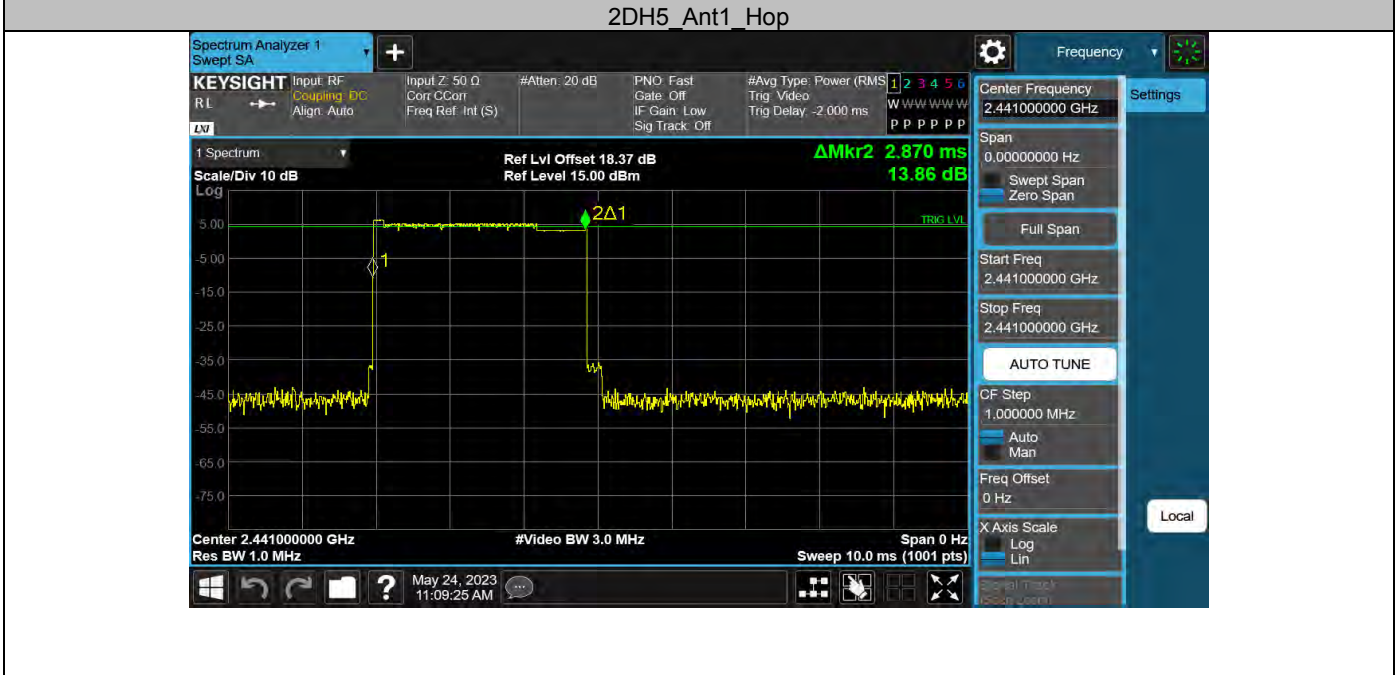
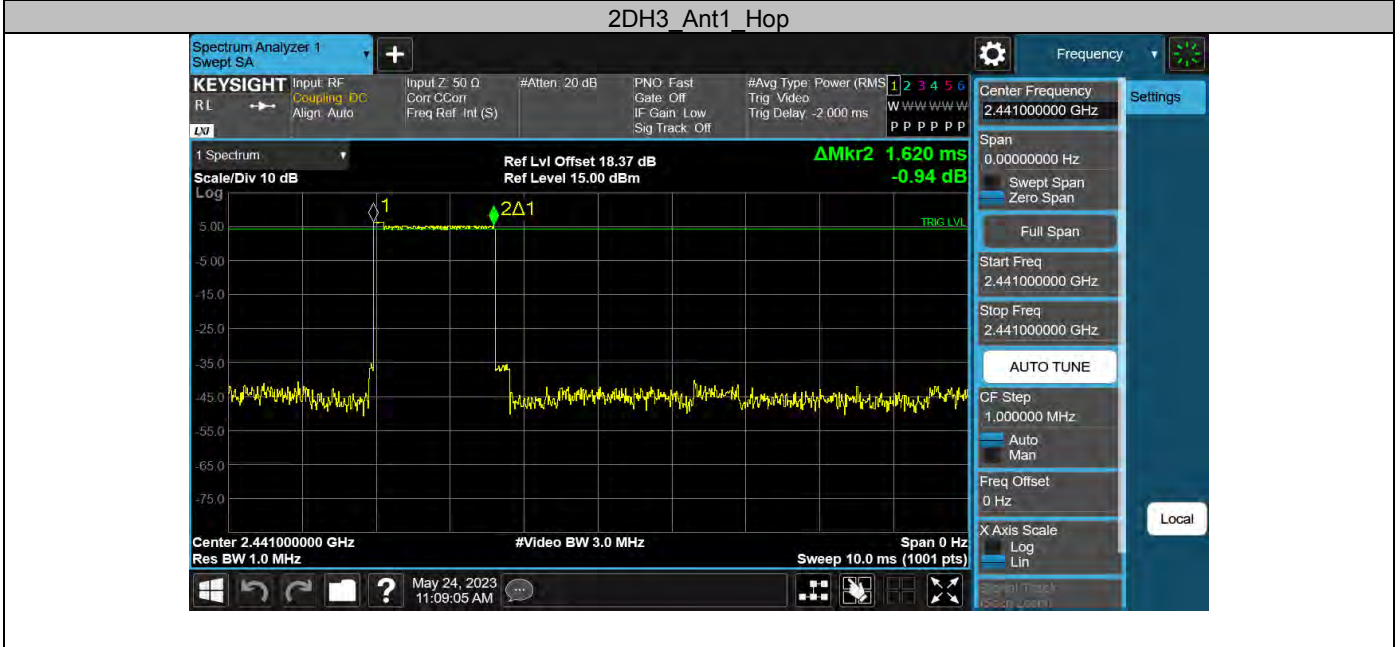
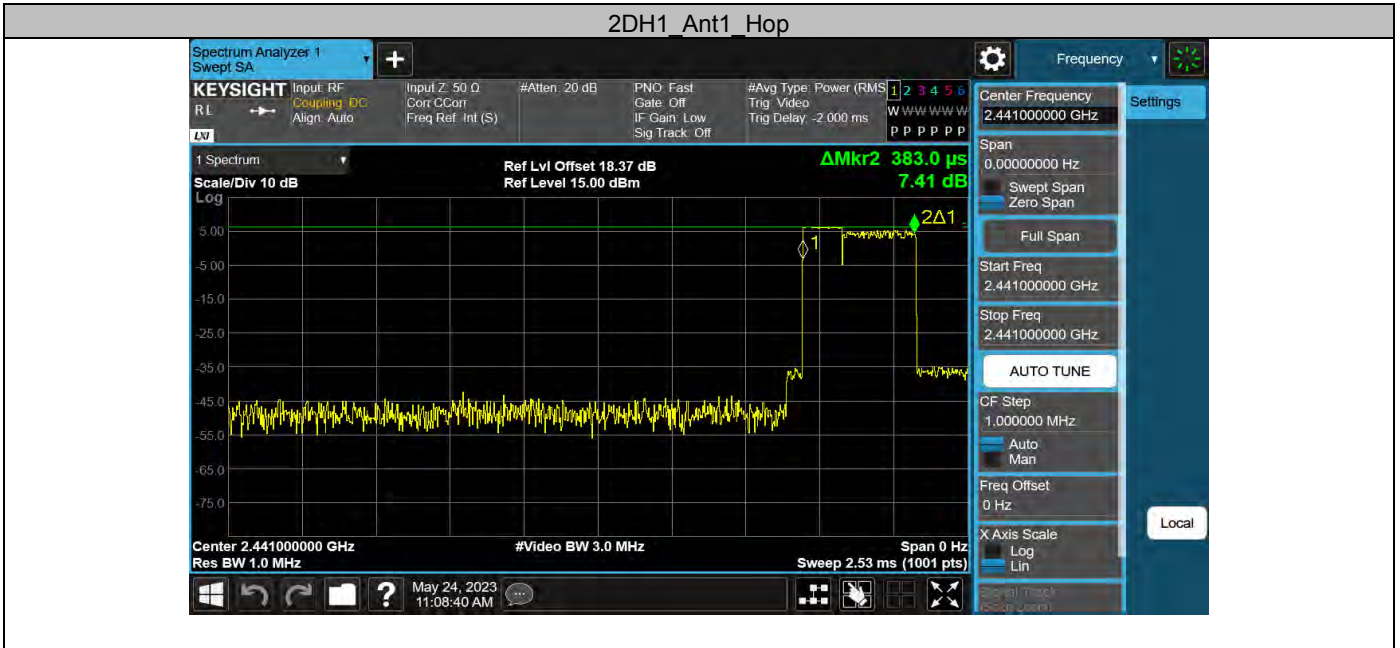


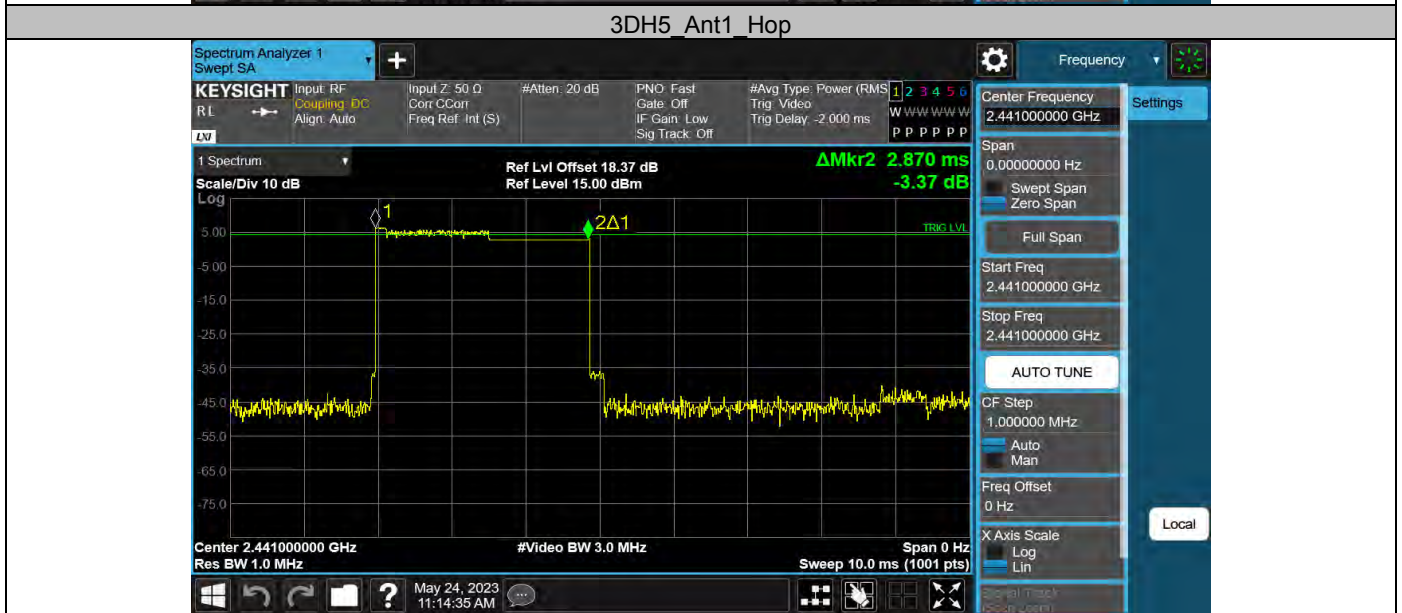
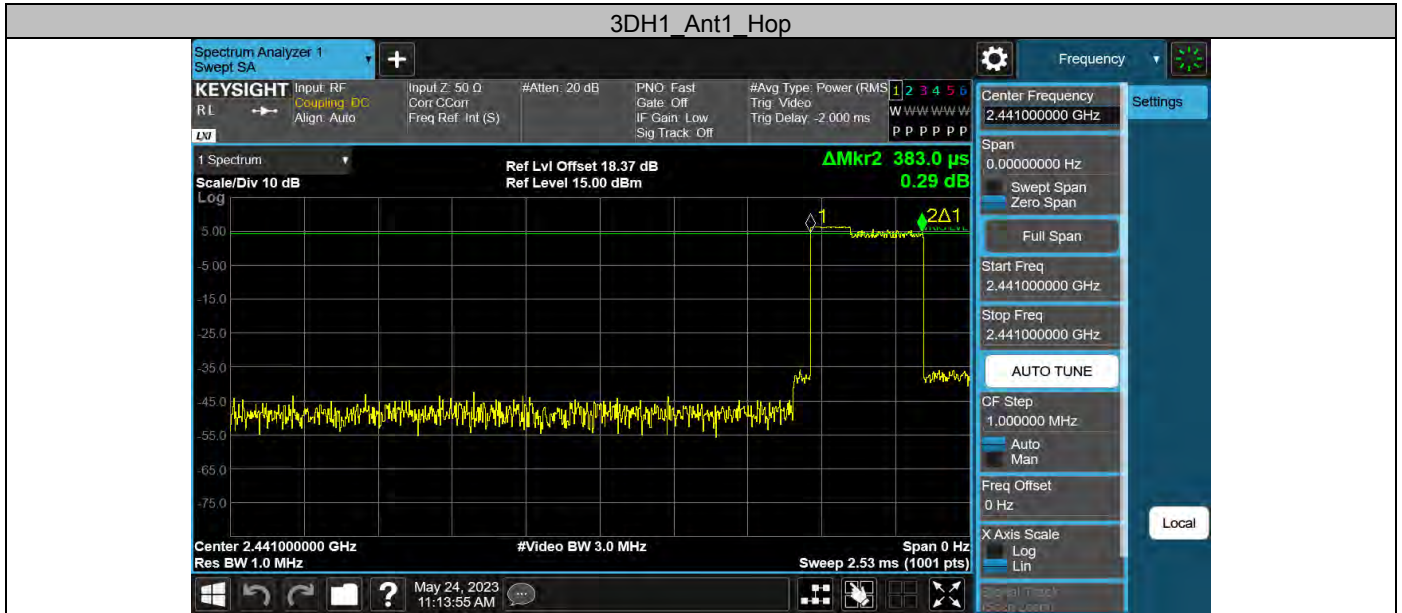
Appendix E: Time of occupancy Test Result

Test Mode	Antenna	Freq(MHz)	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.375	320	0.120	≤0.4	PASS
DH3	Ant1	Hop	1.620	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.870	106.67	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.383	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.620	160	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.870	106.67	0.306	≤0.4	PASS
3DH1	Ant1	Hop	0.383	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.620	160	0.259	≤0.4	PASS
3DH5	Ant1	Hop	2.870	106.67	0.306	≤0.4	PASS

Test Graphs



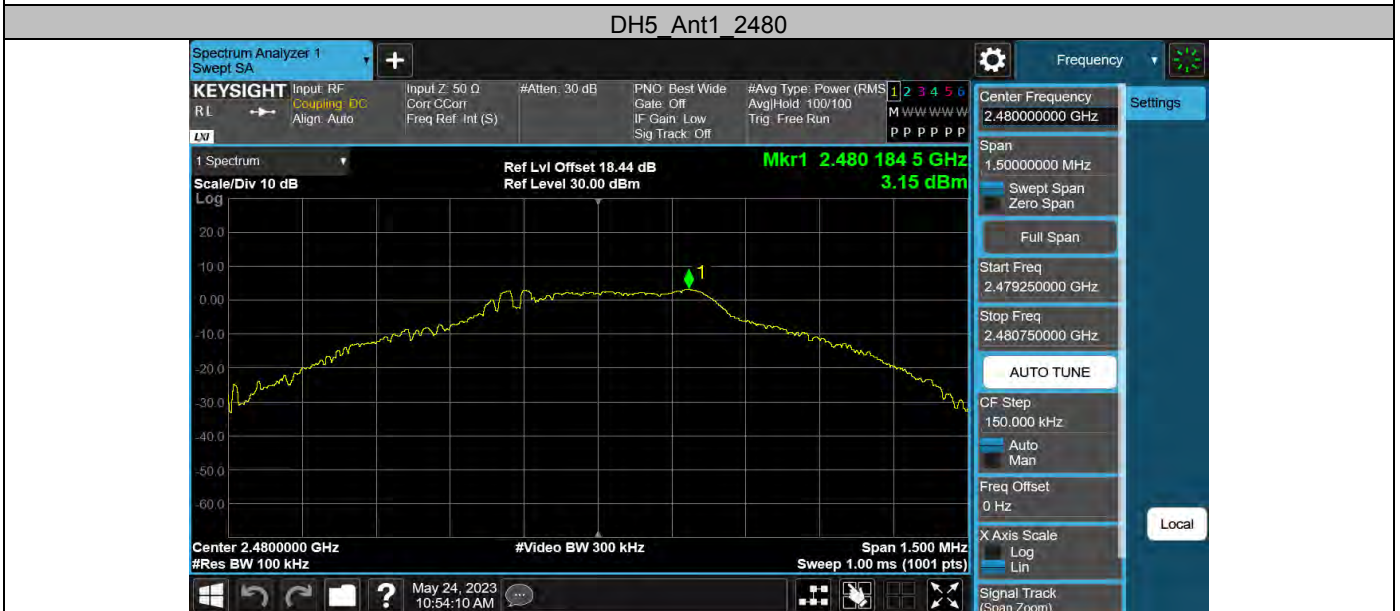


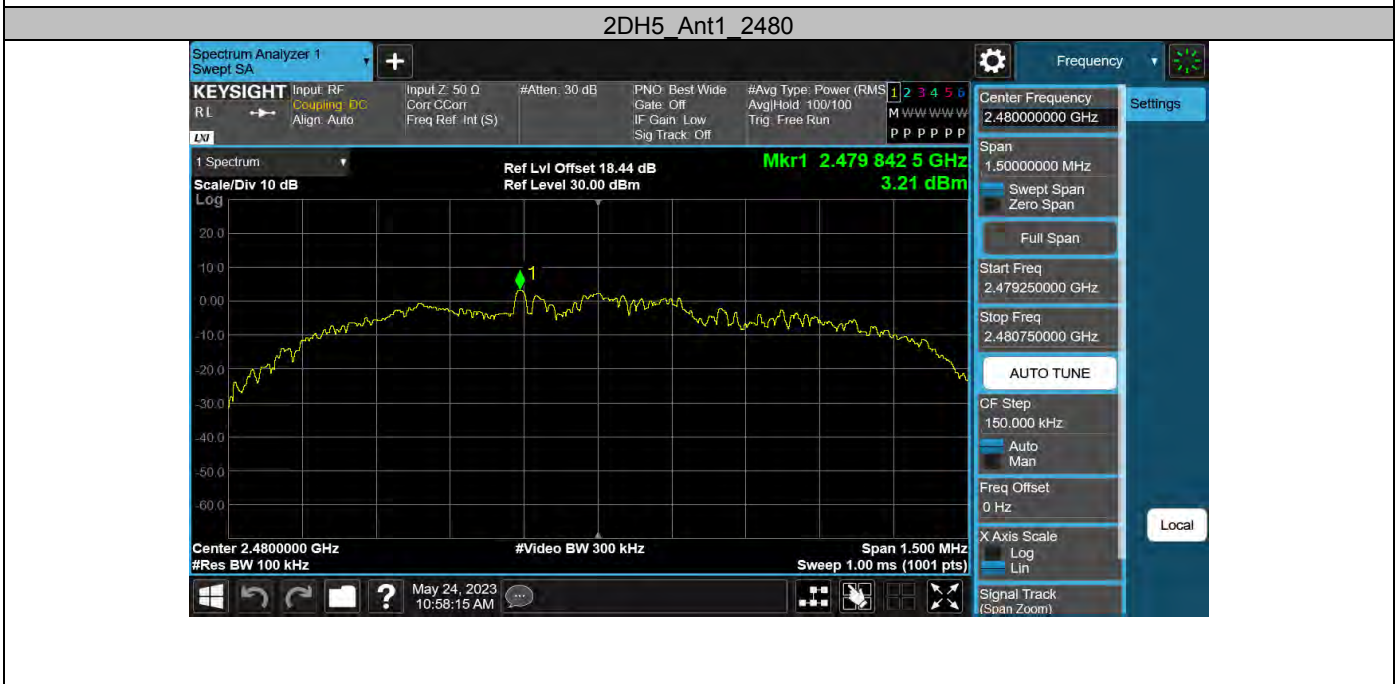
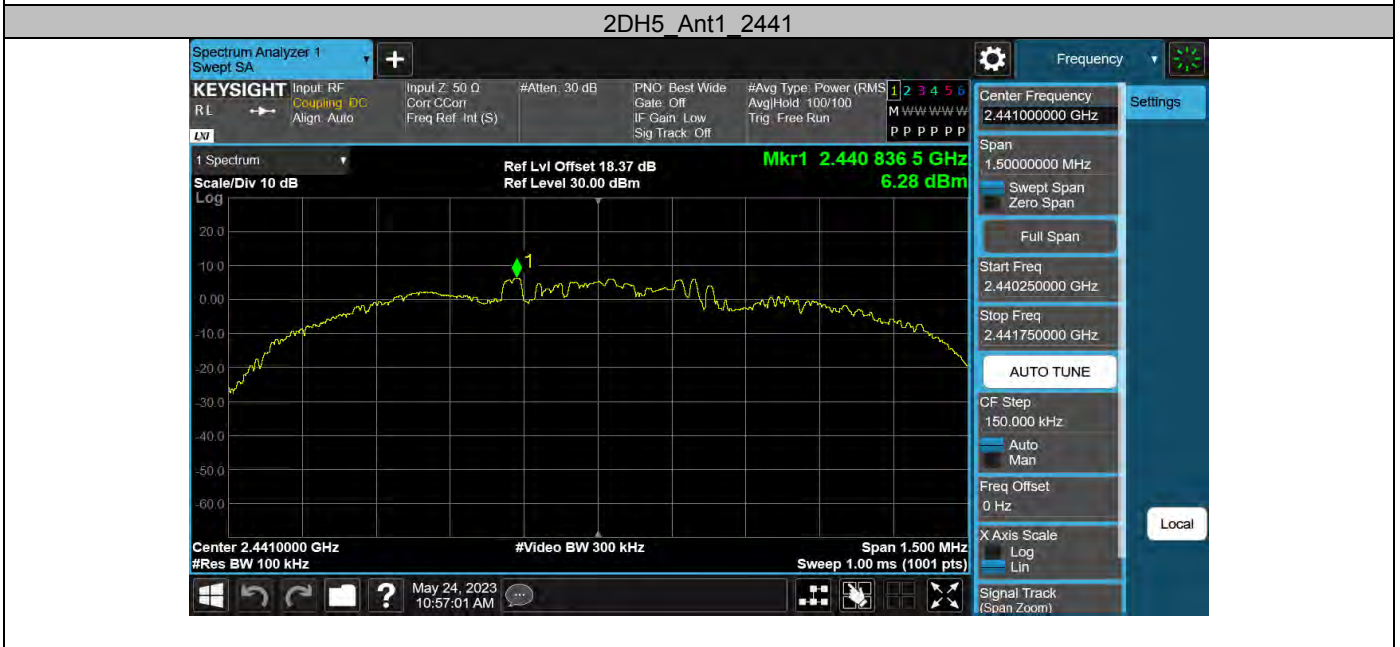
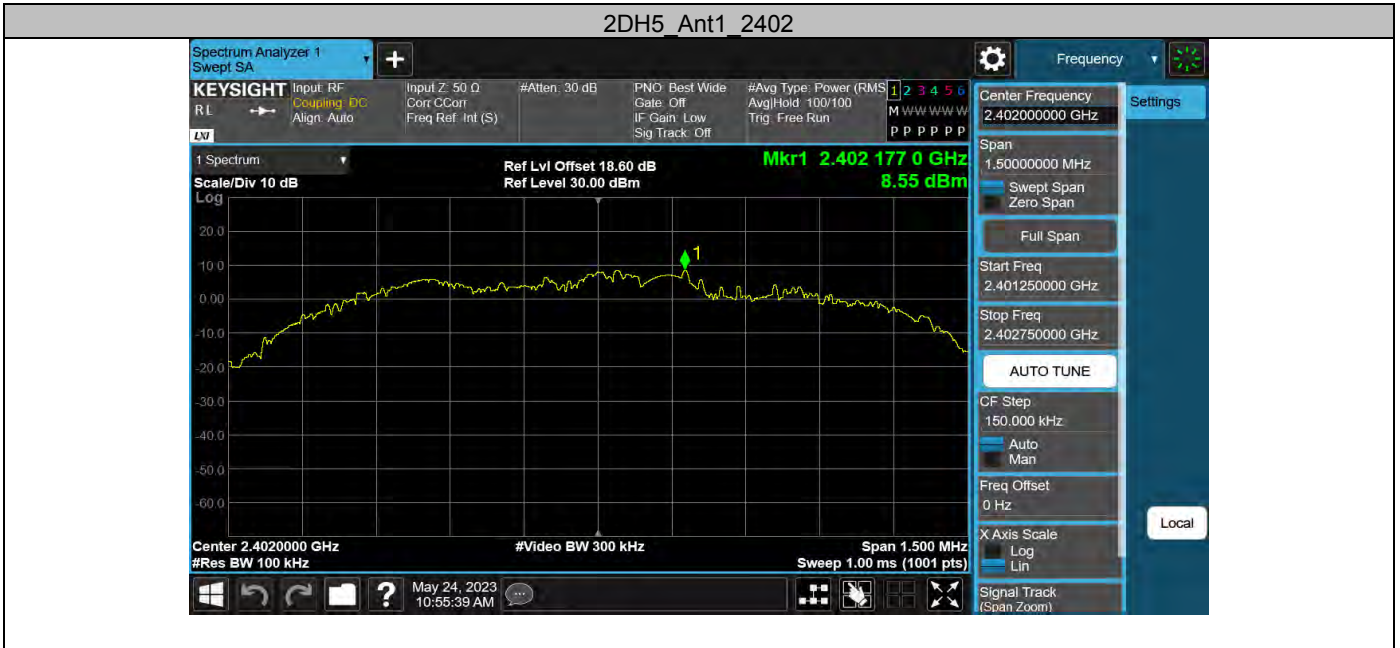


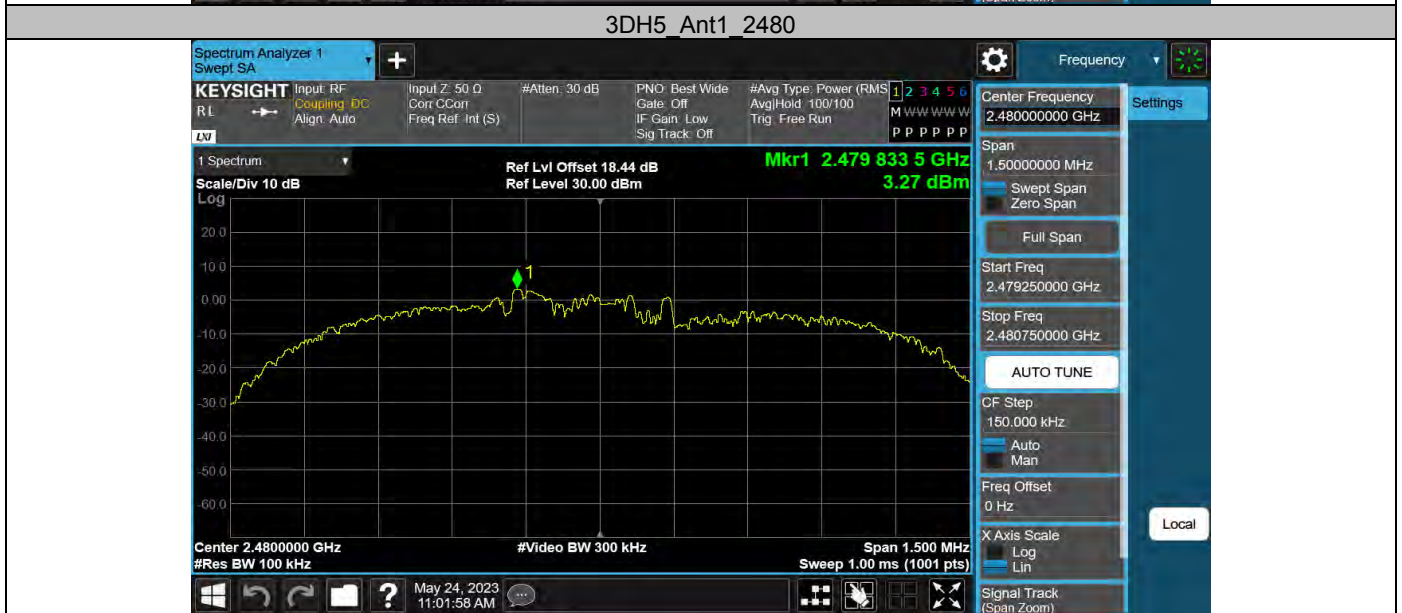
Appendix F: Reference level measurement
 Test Result

Test Mode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
DH5	Ant1	2402	2401.84	8.89
		2441	2441.18	6.22
		2480	2480.18	3.15
2DH5	Ant1	2402	2402.18	8.55
		2441	2440.84	6.28
		2480	2479.84	3.21
3DH5	Ant1	2402	2402.19	8.86
		2441	2440.85	6.16
		2480	2479.83	3.27

Test Graphs



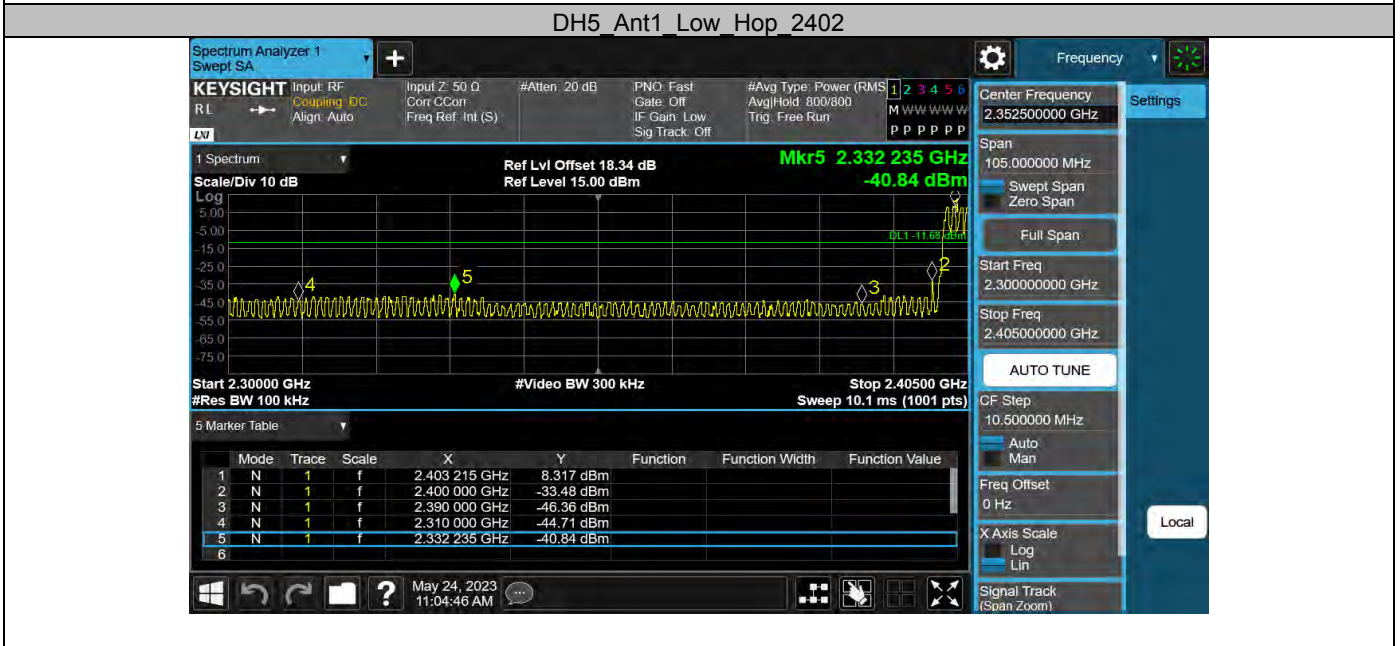
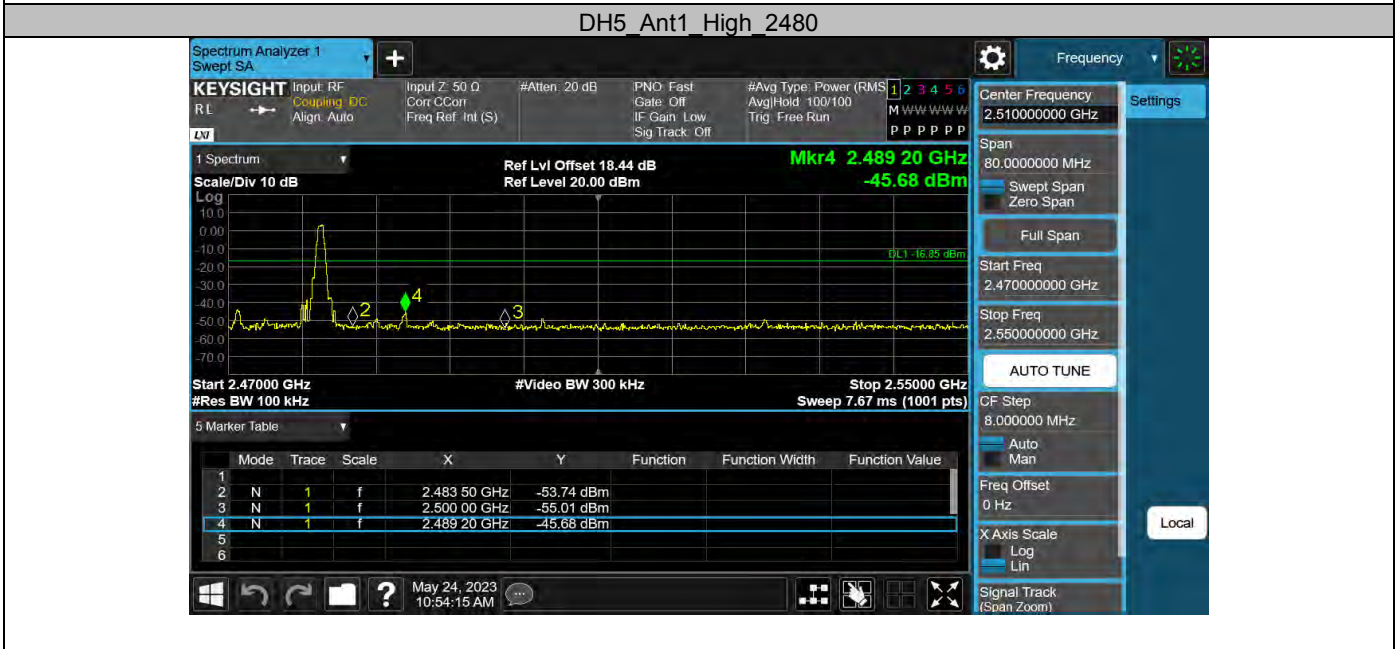
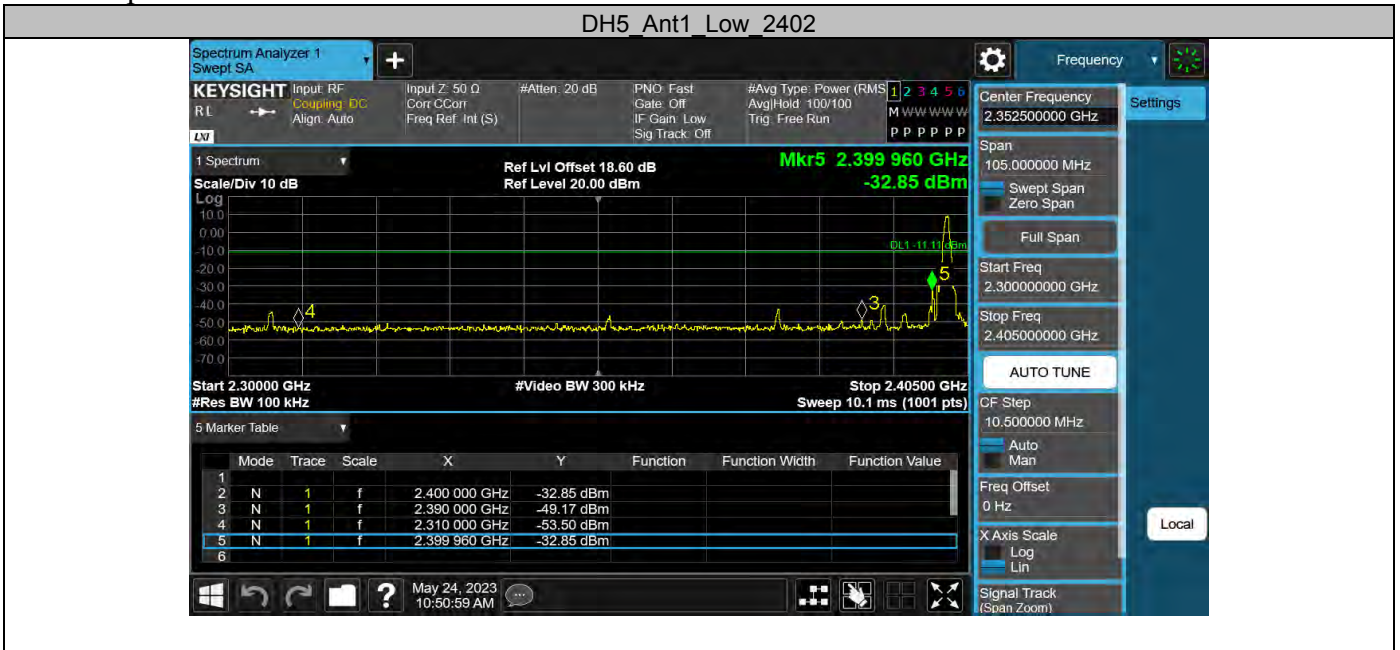




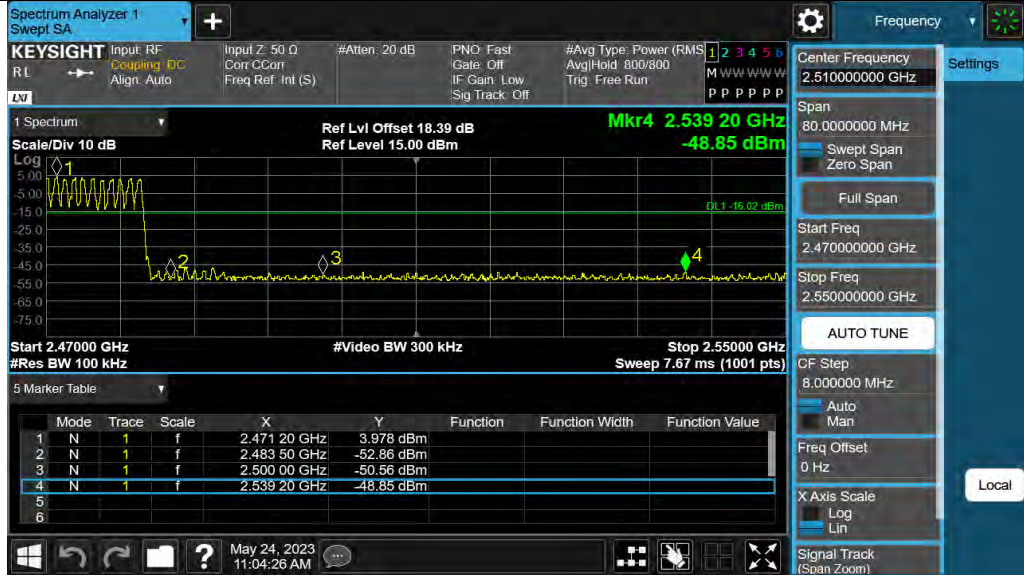
Appendix G: Band edge measurements
 Test Result

Test Mode	Antenna	Ch Name	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	8.89	-32.86	≤-11.11	PASS
		High	2480	3.15	-45.68	≤-16.85	PASS
		Low	Hop_2402	8.32	-40.84	≤-11.68	PASS
		High	Hop_2480	3.98	-48.86	≤-16.02	PASS
2DH5	Ant1	Low	2402	8.55	-32.87	≤-11.45	PASS
		High	2480	3.21	-46.71	≤-16.79	PASS
		Low	Hop_2402	7.45	-40.62	≤-12.55	PASS
		High	Hop_2480	3.15	-48.14	≤-16.85	PASS
3DH5	Ant1	Low	2402	8.86	-33.61	≤-11.14	PASS
		High	2480	3.27	-47.35	≤-16.73	PASS
		Low	Hop_2402	6.67	-40.89	≤-13.33	PASS
		High	Hop_2480	2.36	-47.88	≤-17.64	PASS

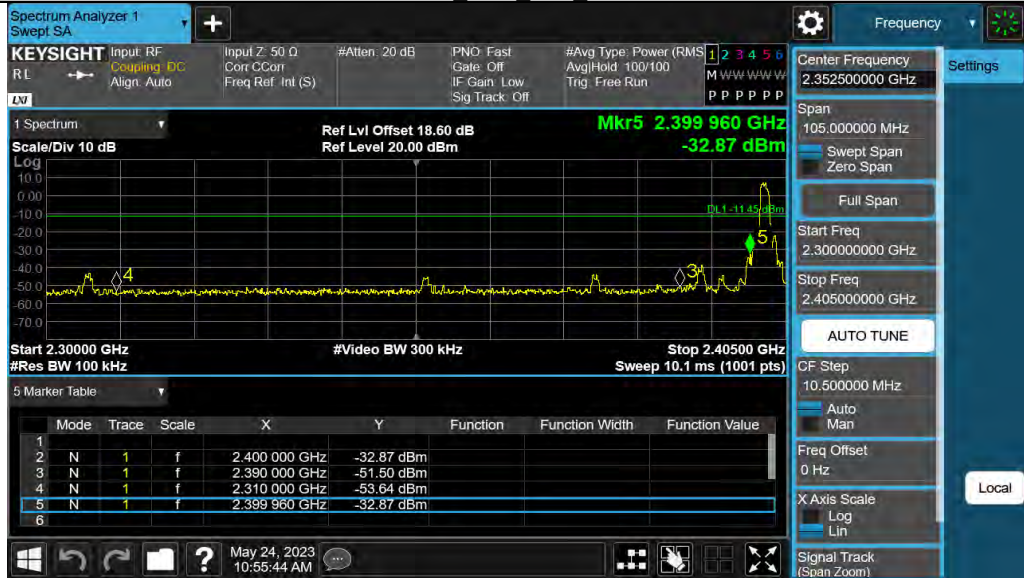
Test Graphs



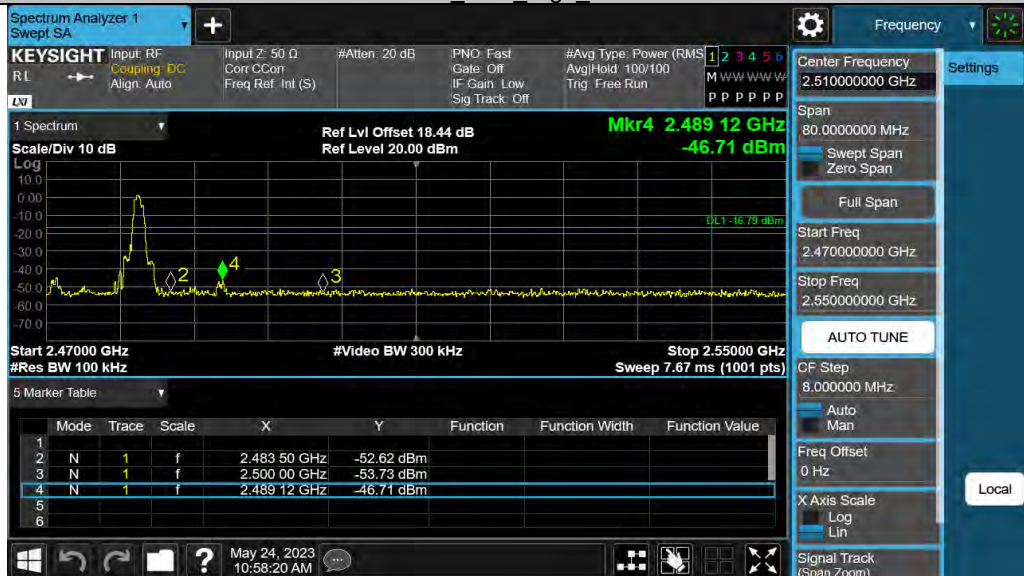
DH5 Ant1 High Hop 2480



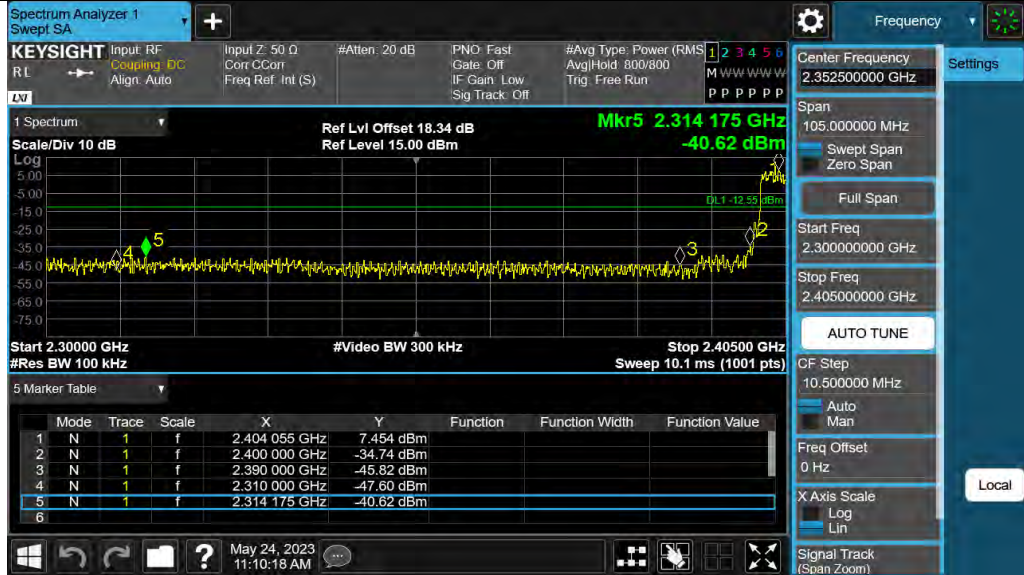
2DH5 Ant1 Low 2402



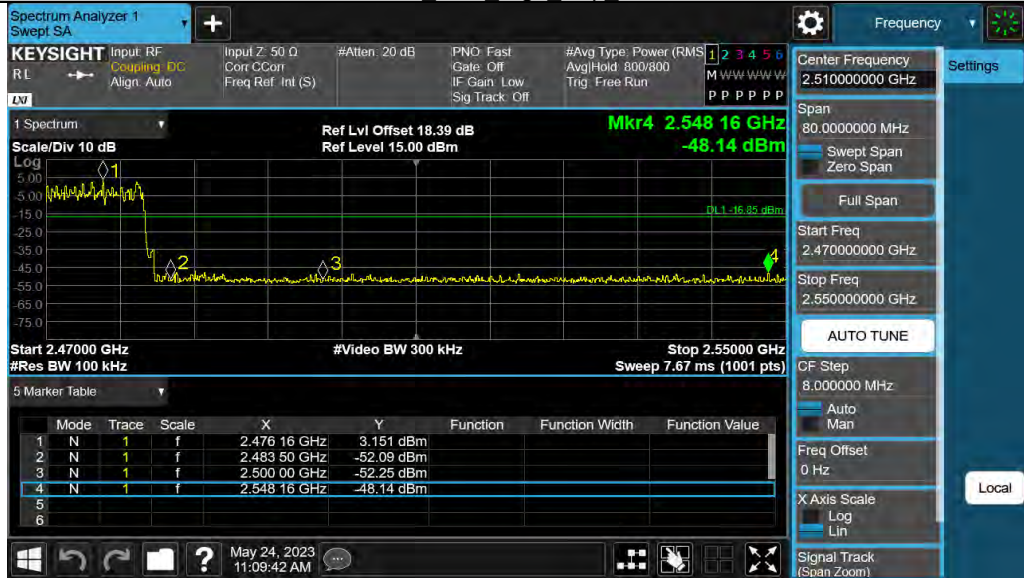
2DH5 Ant1 High 2480



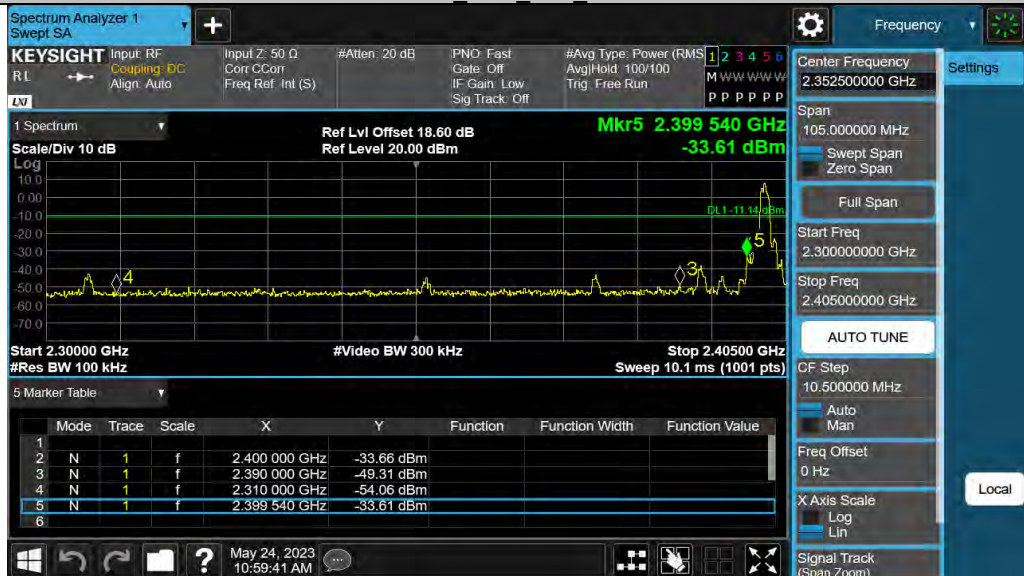
2DH5 Ant1 Low Hop 2402

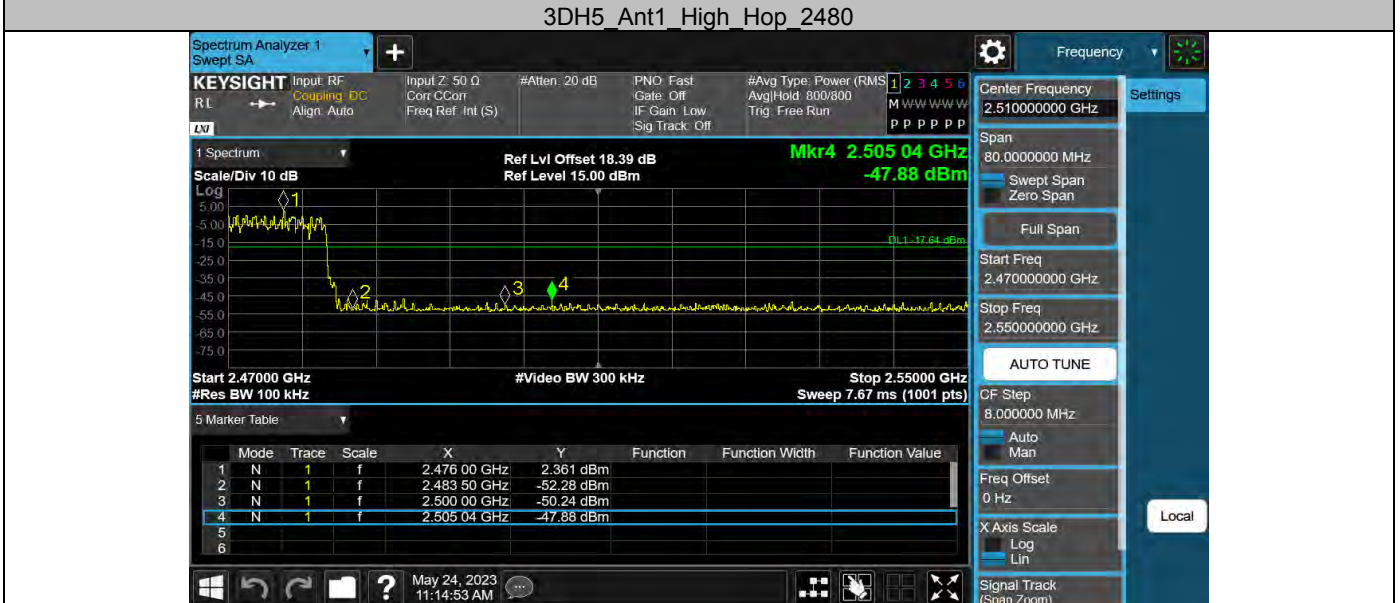
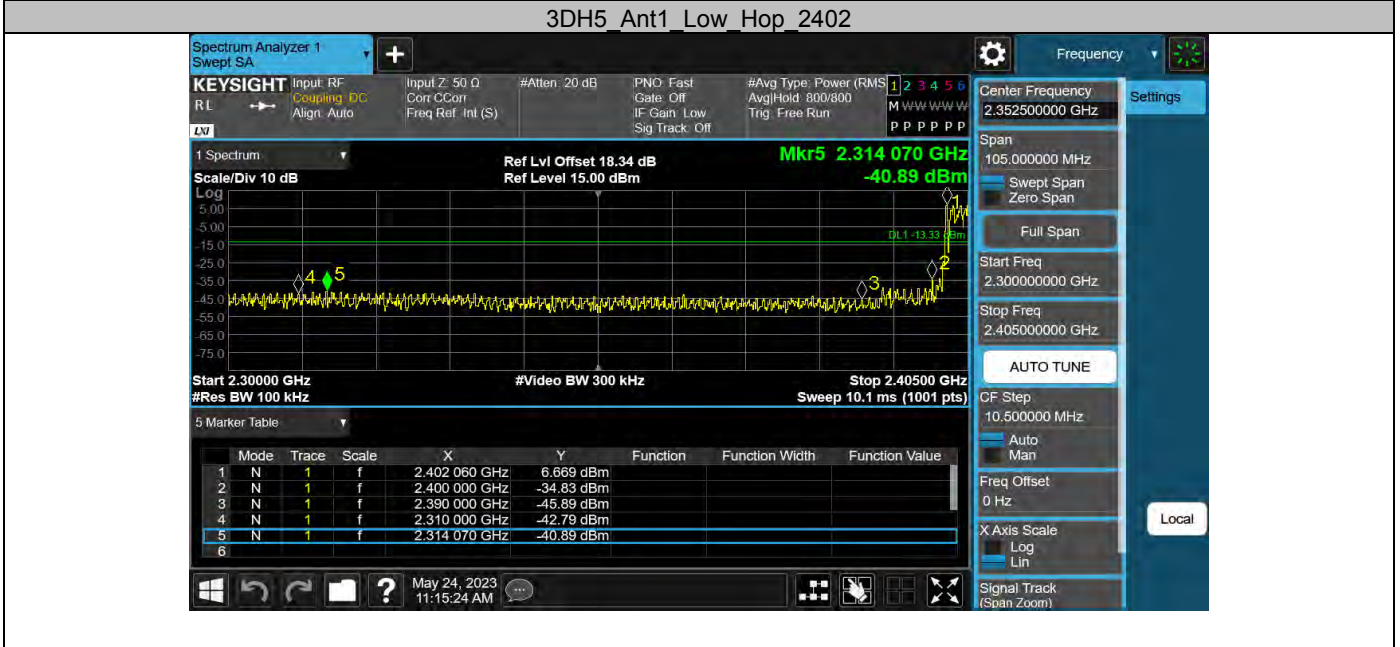
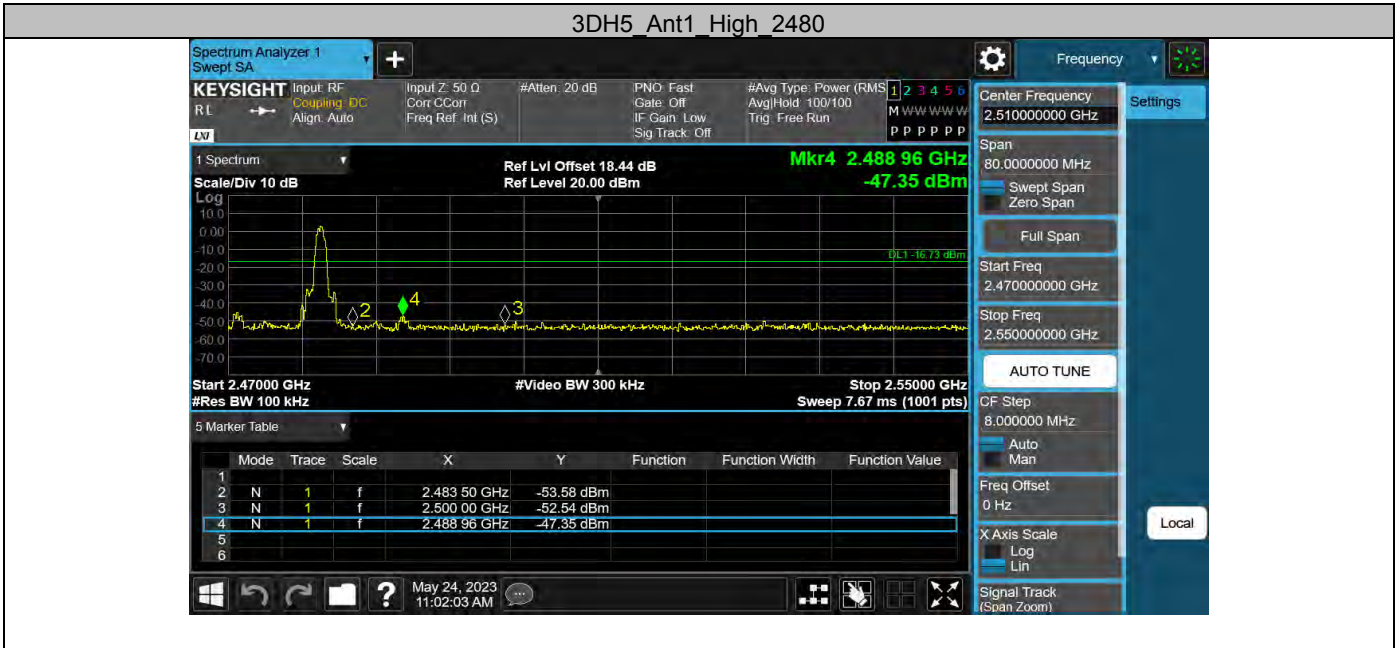


2DH5 Ant1 High Hop 2480



3DH5 Ant1 Low 2402

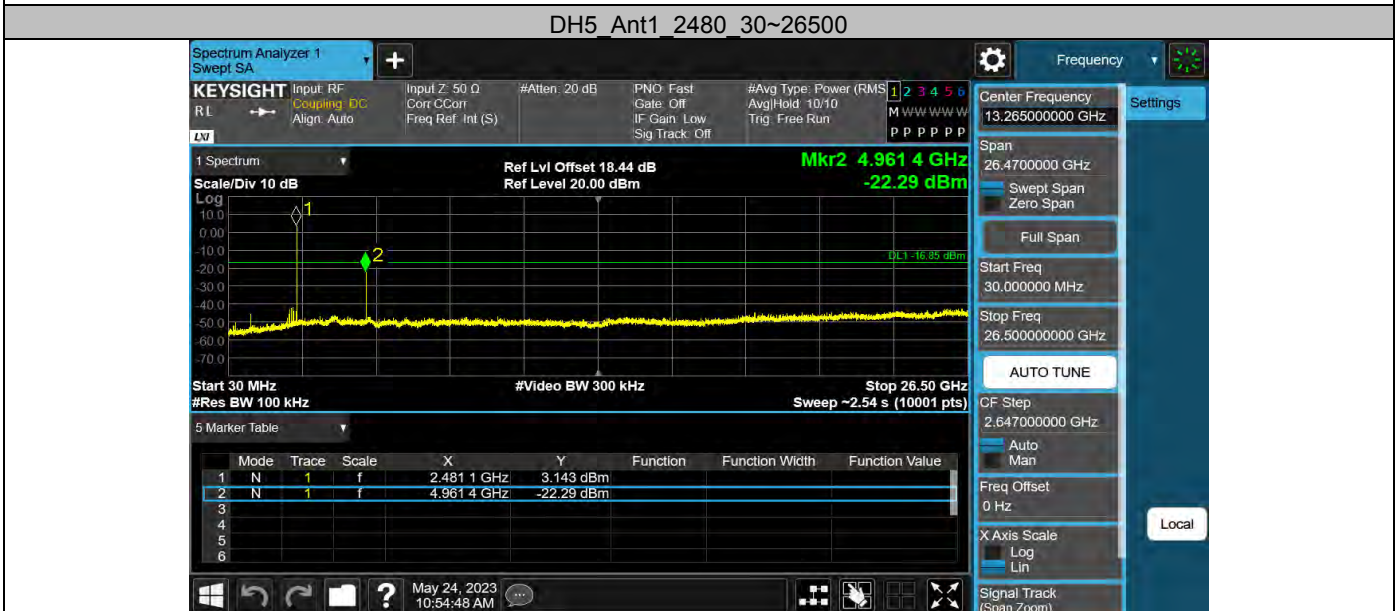
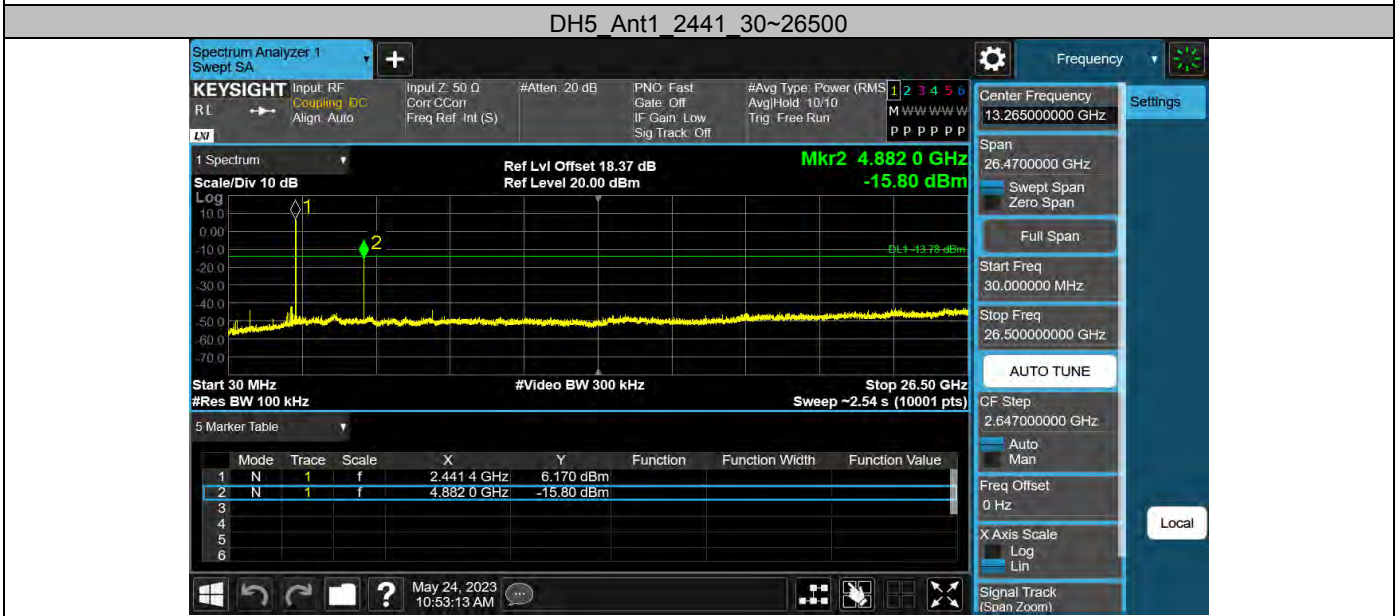
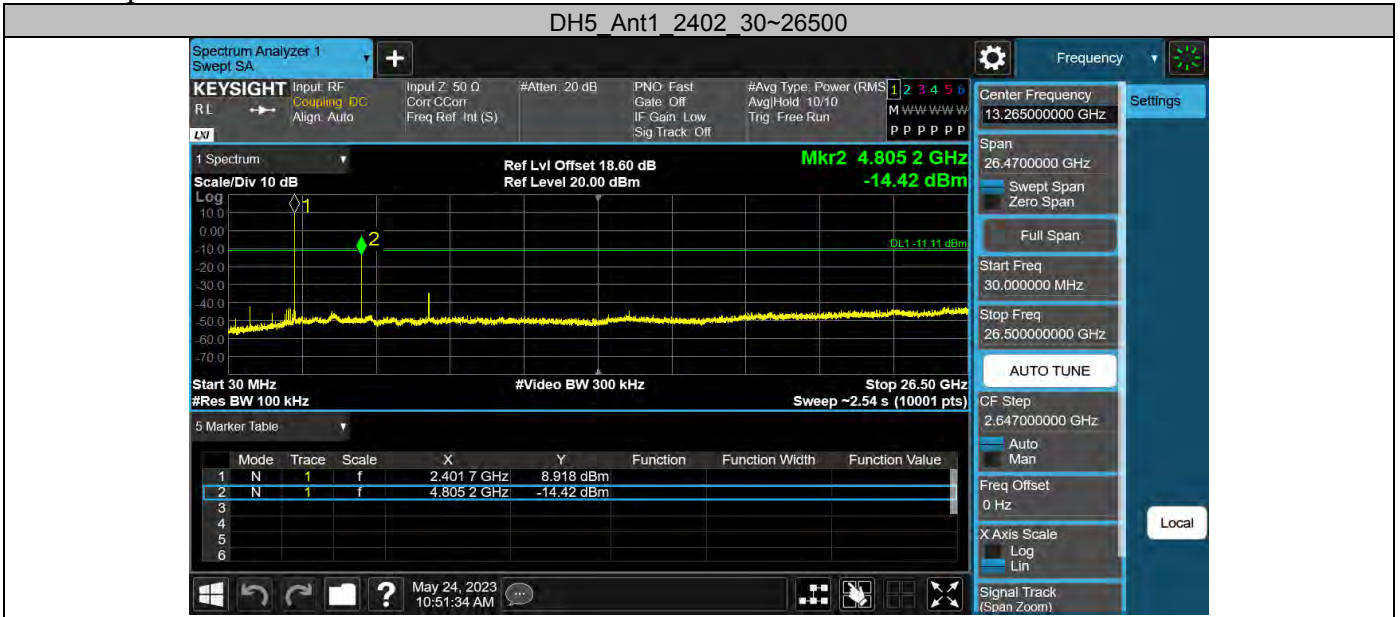


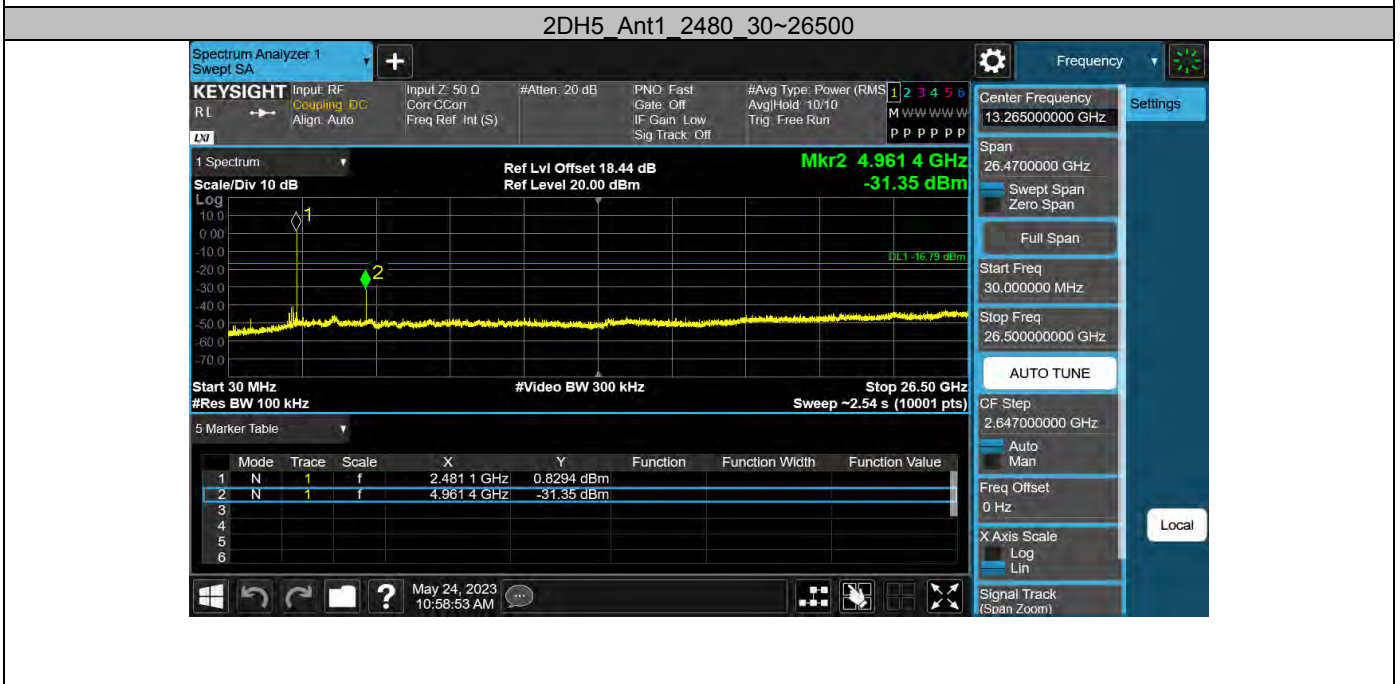
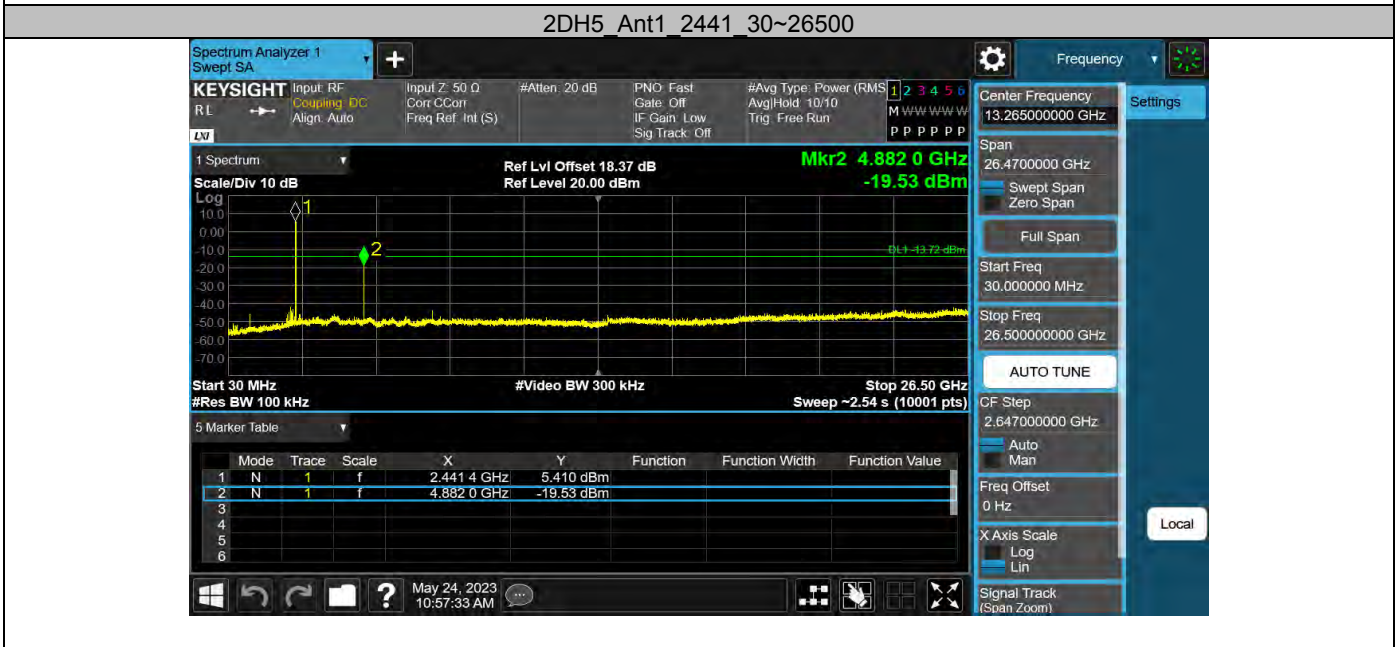
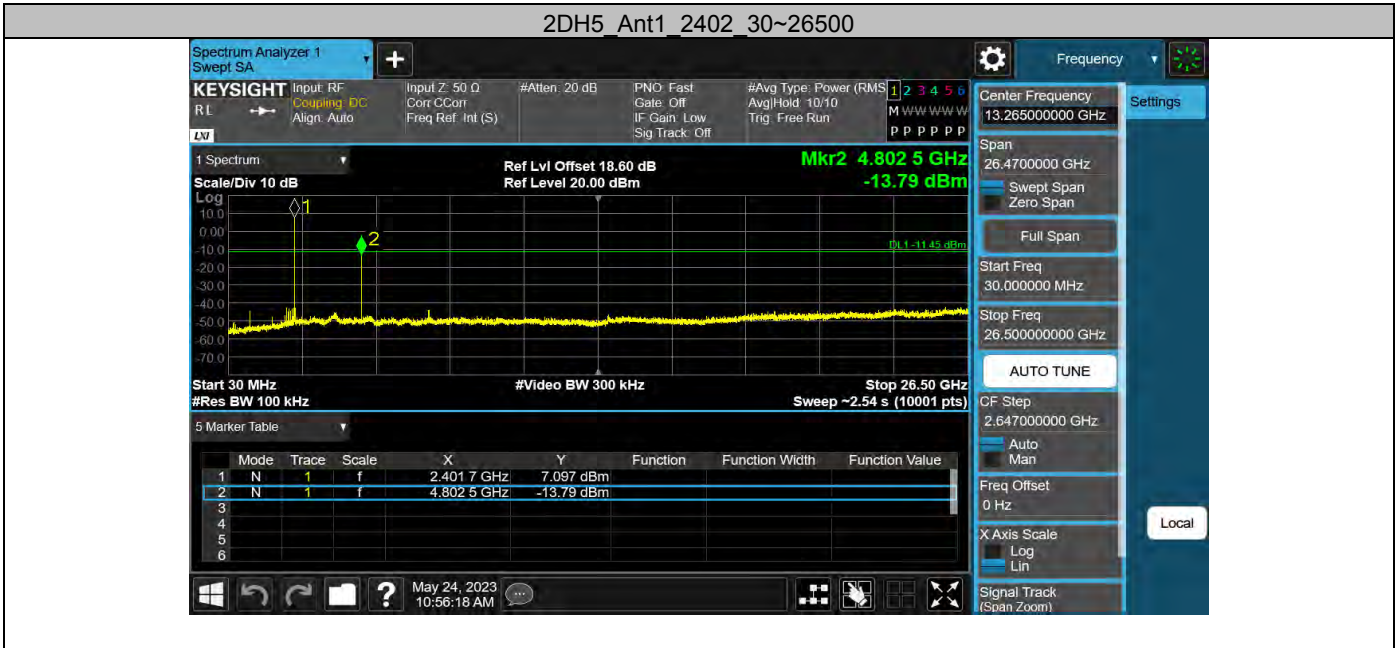


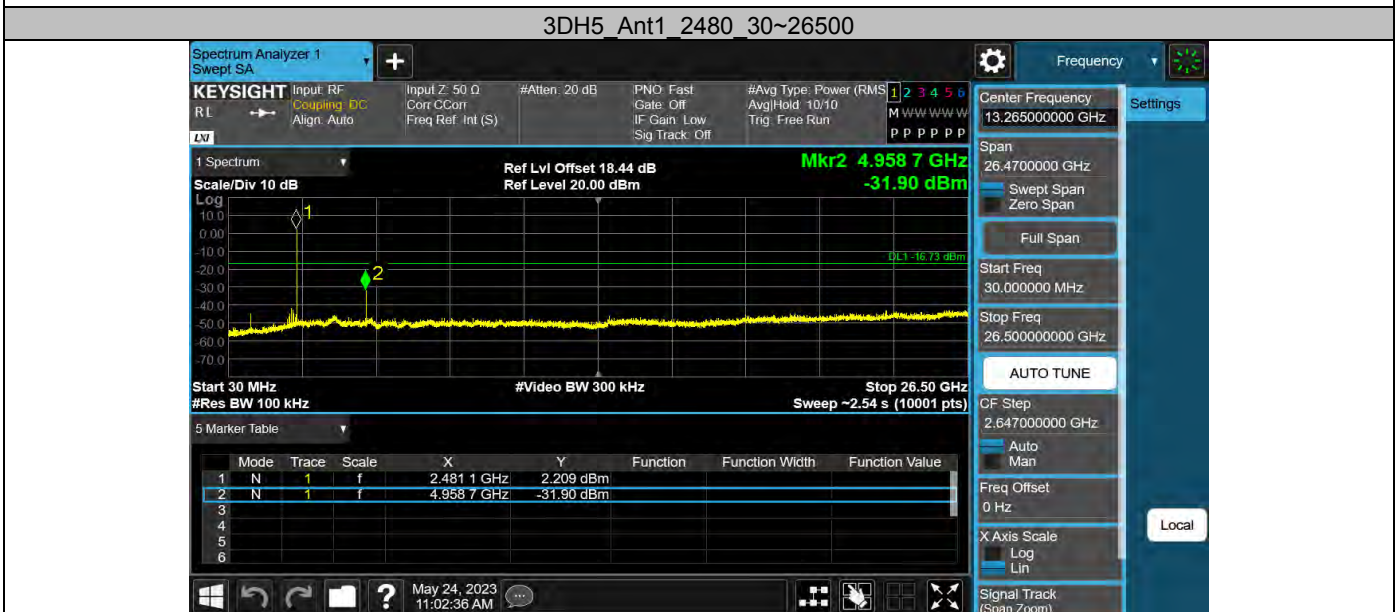
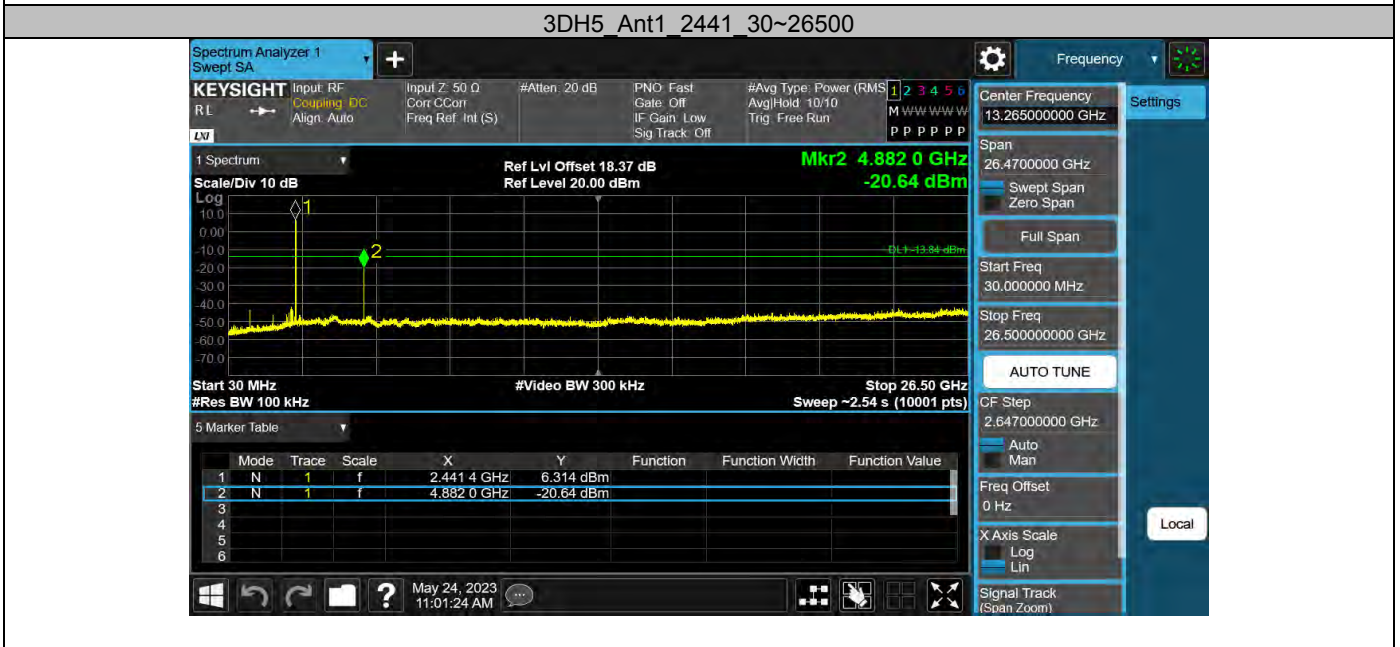
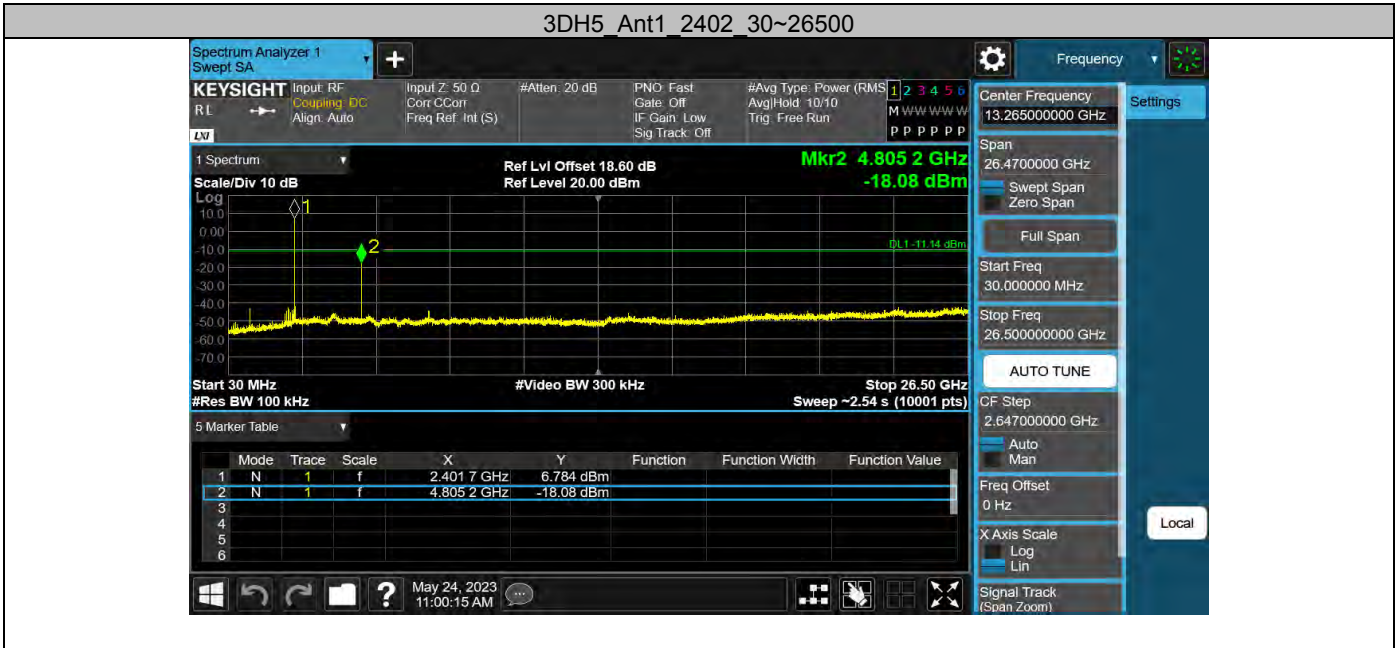
Appendix H: Conducted Spurious Emission Test Result

Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~26500	8.89	-14.42	≤-11.11	PASS
		2441	30~26500	6.22	-15.8	≤-13.78	PASS
		2480	30~26500	3.15	-22.29	≤-16.85	PASS
2DH5	Ant1	2402	30~26500	8.55	-13.79	≤-11.45	PASS
		2441	30~26500	6.28	-19.54	≤-13.72	PASS
		2480	30~26500	3.21	-31.35	≤-16.79	PASS
3DH5	Ant1	2402	30~26500	8.86	-18.08	≤-11.14	PASS
		2441	30~26500	6.16	-20.64	≤-13.84	PASS
		2480	30~26500	3.27	-31.9	≤-16.73	PASS

Test Graphs

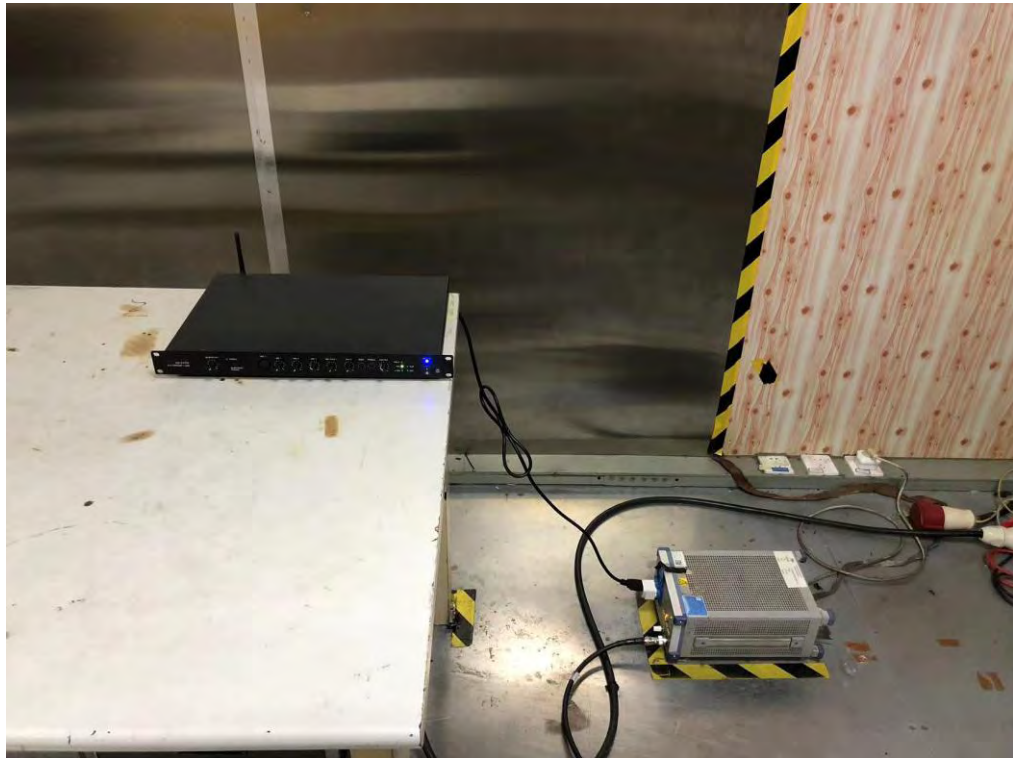




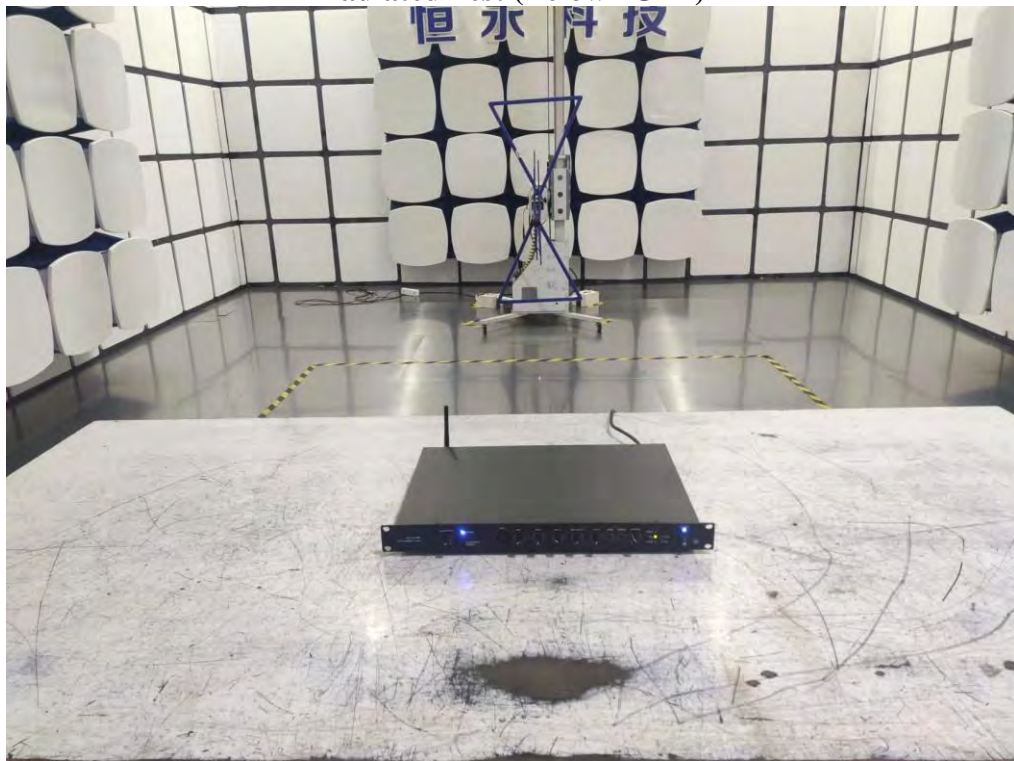


14. TEST SETUP PHOTO

Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)

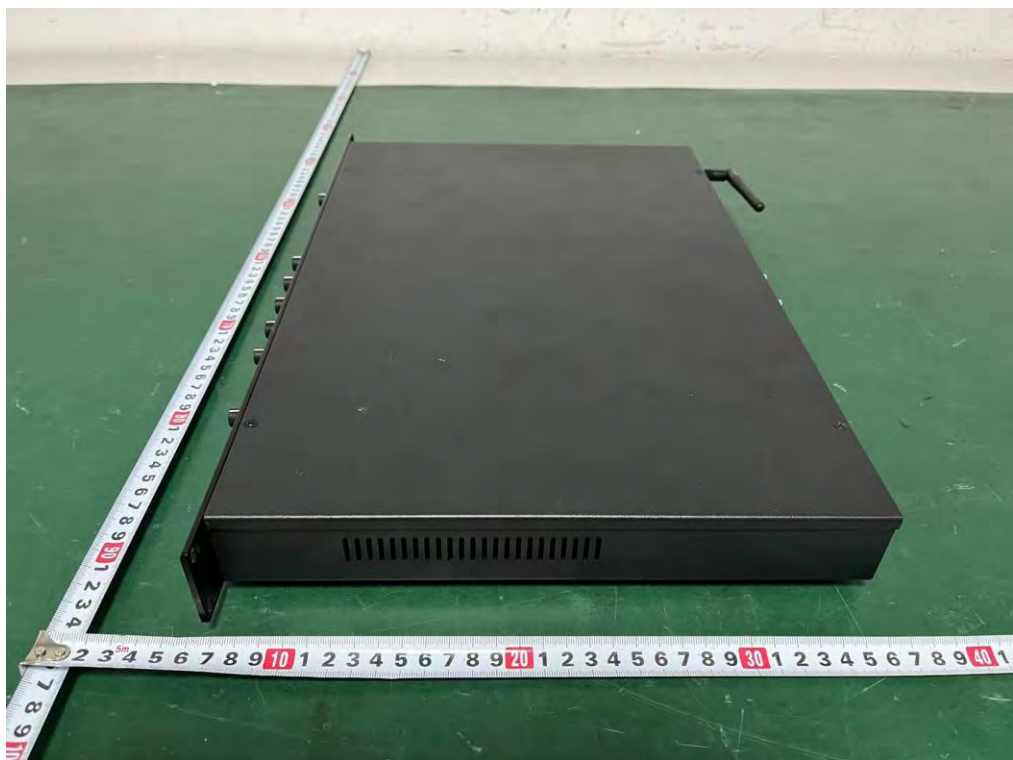
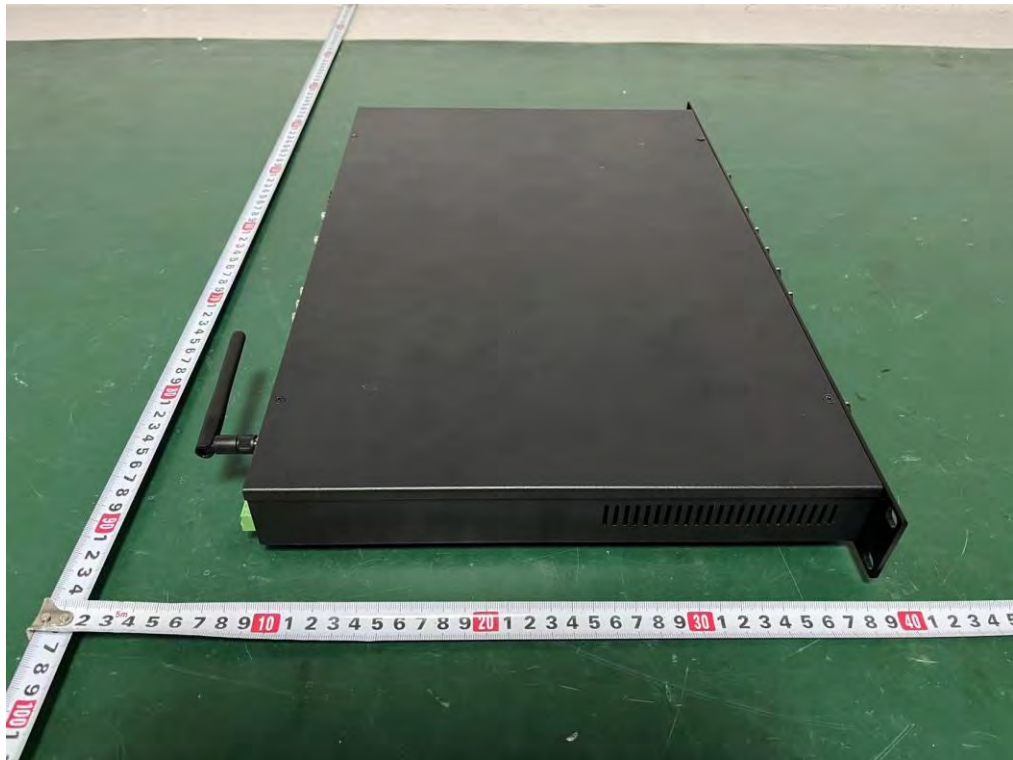


15. EUT PHOTO

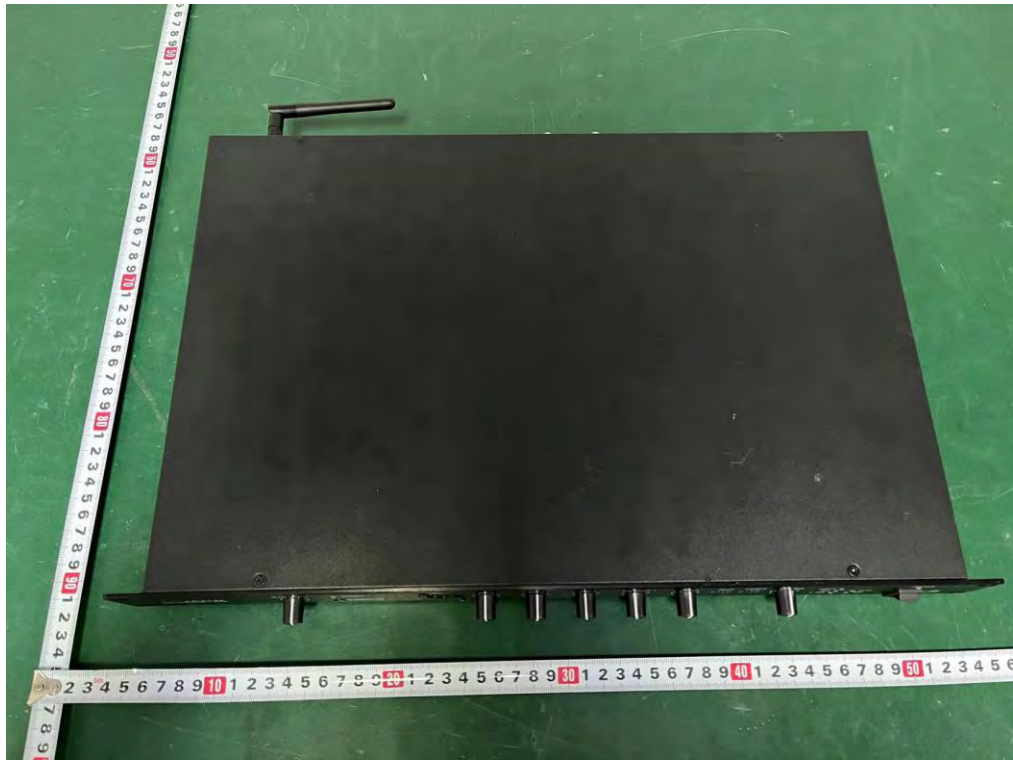
External Photos
M/N: ECA-70MIXAMP-1-240D



External Photos
M/N: ECA-70MIXAMP-1-240D



External Photos
M/N: ECA-70MIXAMP-1-240D



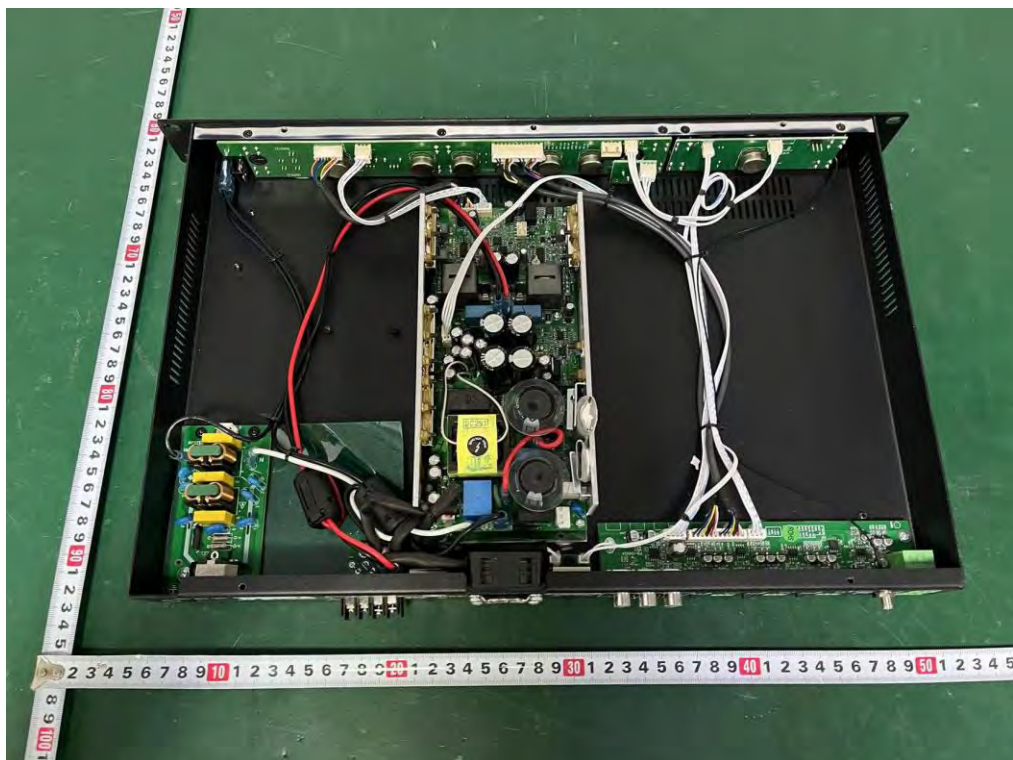
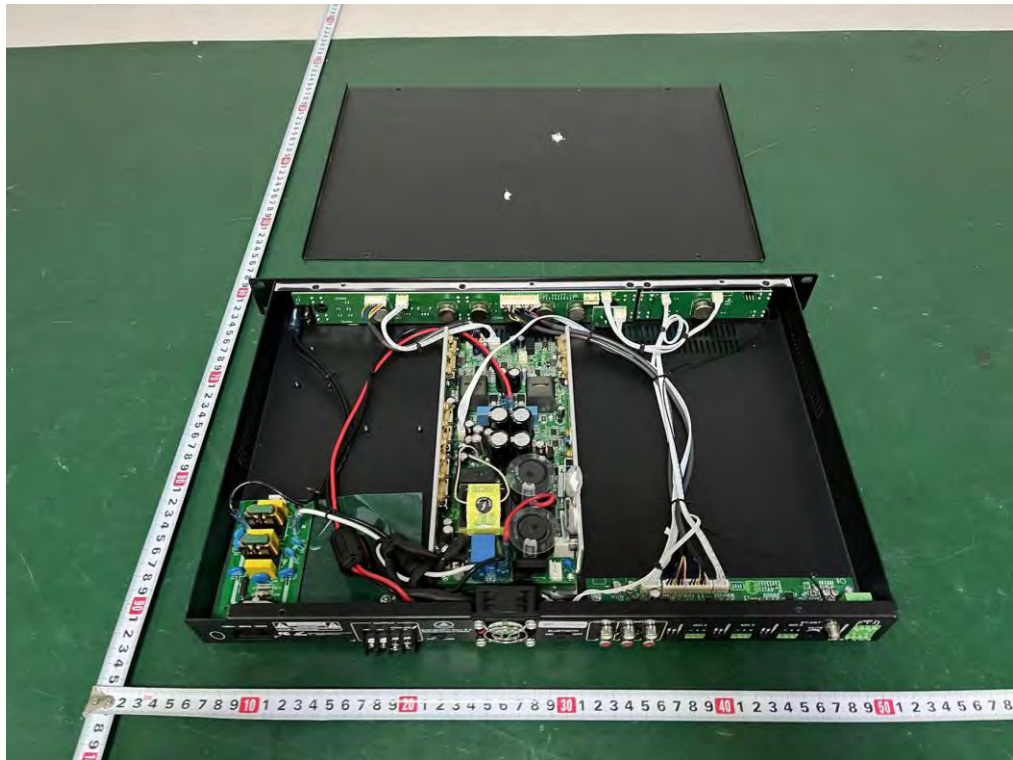
External Photos
M/N: ECA-70MIXAMP-1-240D



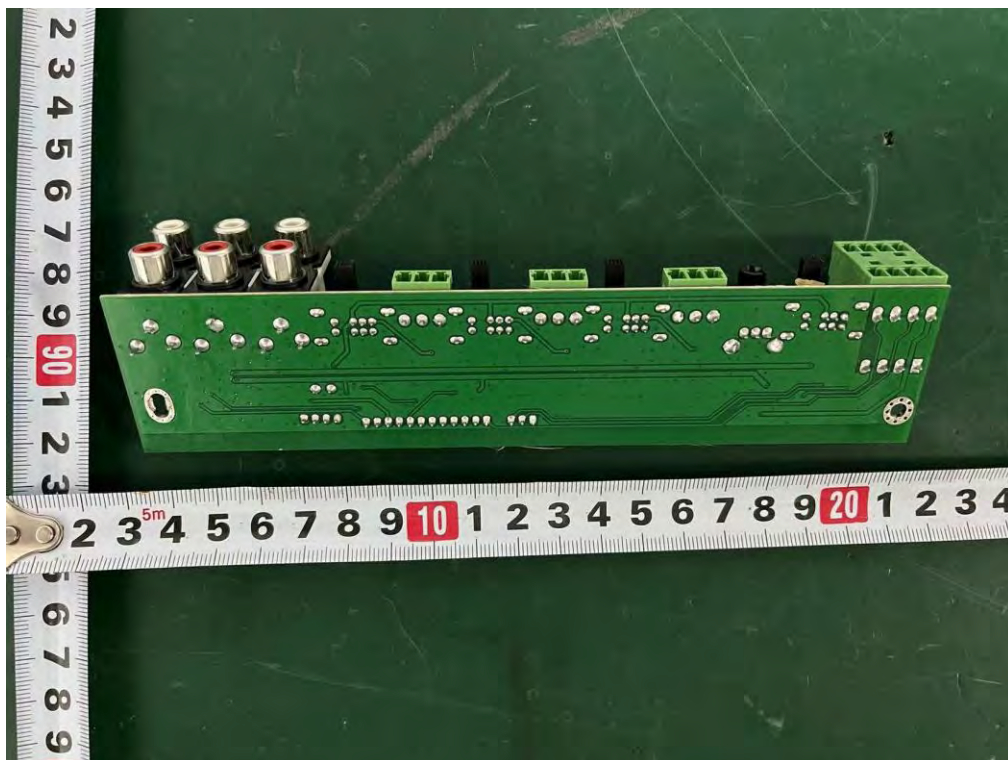
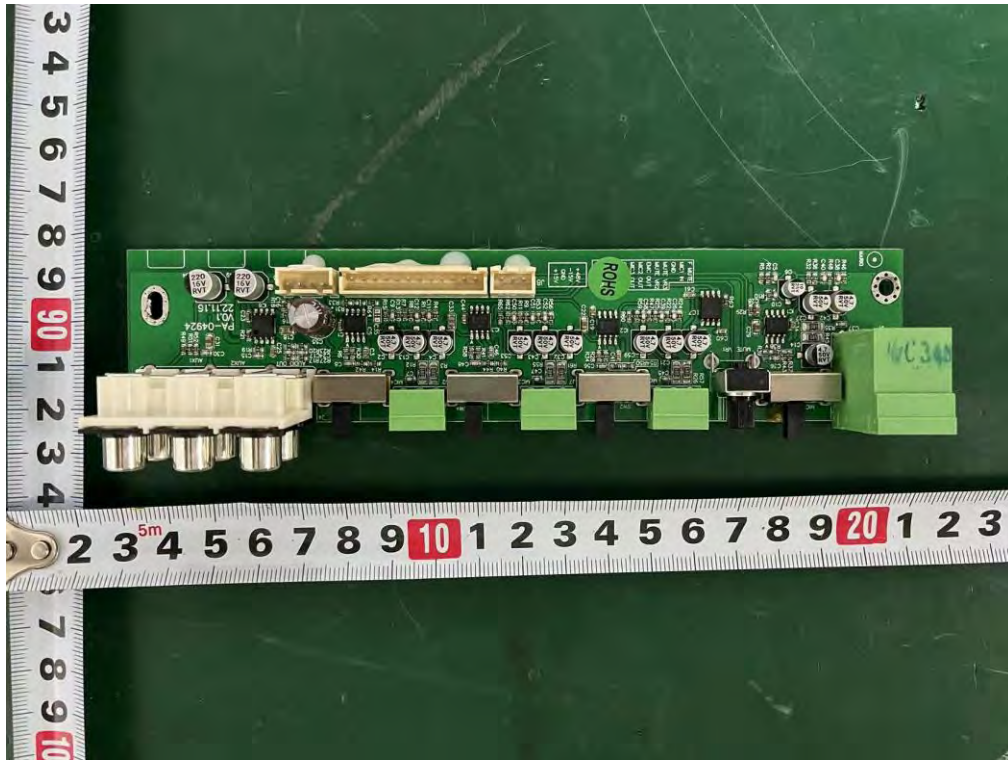
External Photos
M/N: ECA-70MIXAMP-1-240D



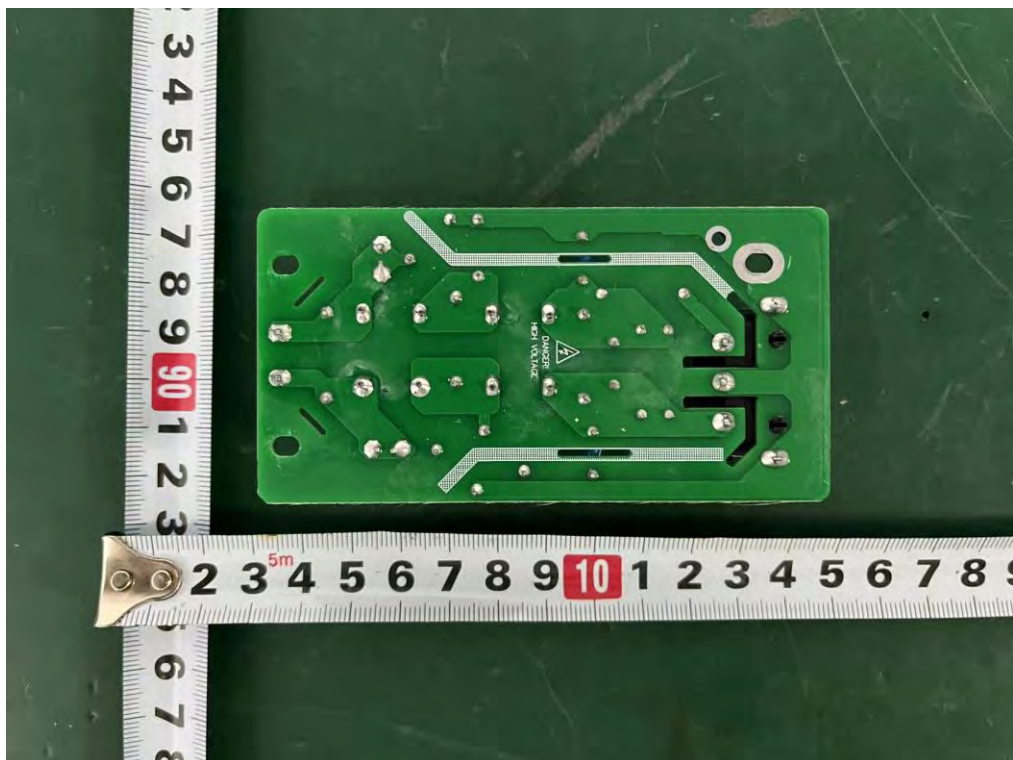
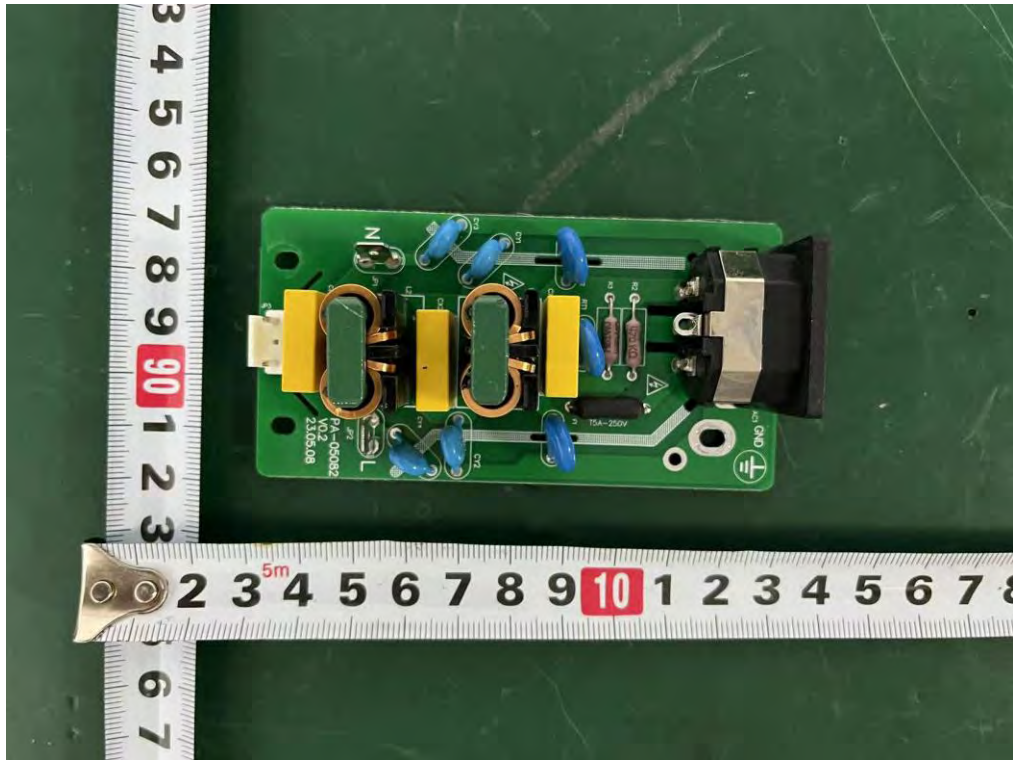
Internal Photos
M/N: ECA-70MIXAMP-1-240D



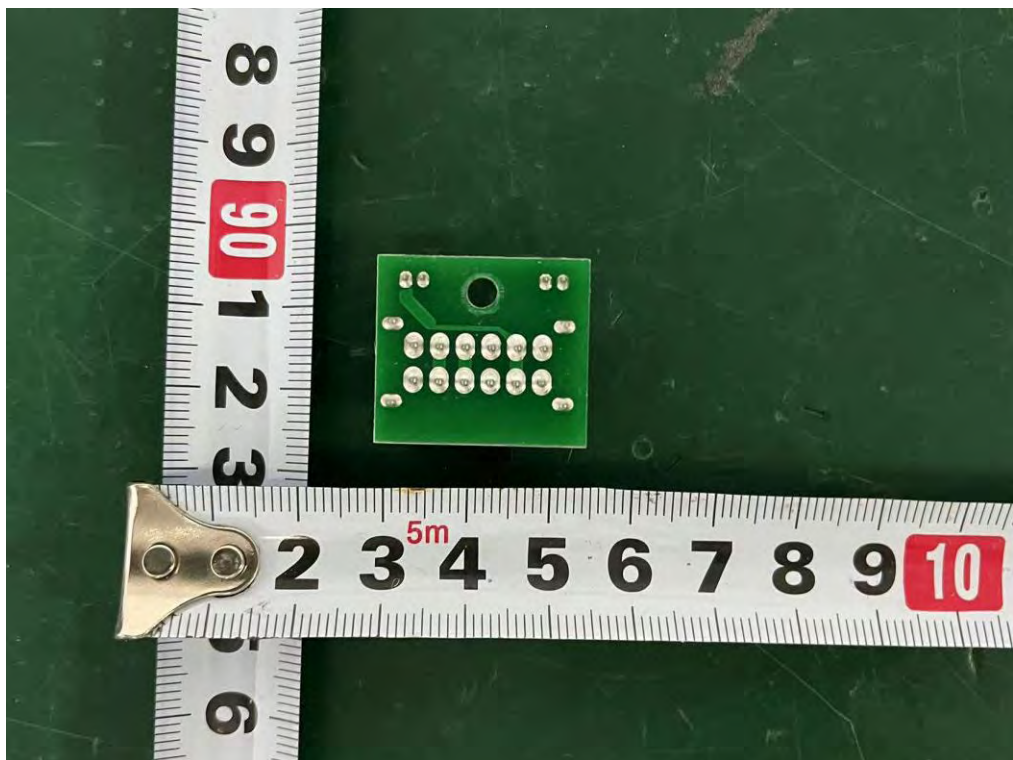
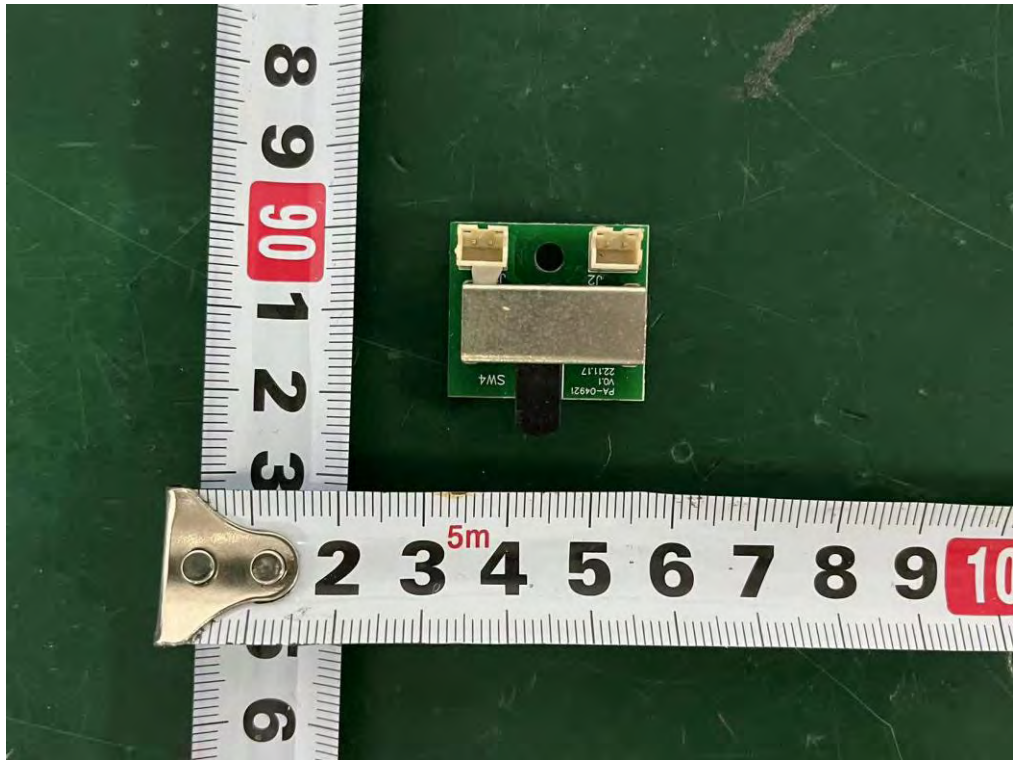
Internal Photos
M/N: ECA-70MIXAMP-1-240D



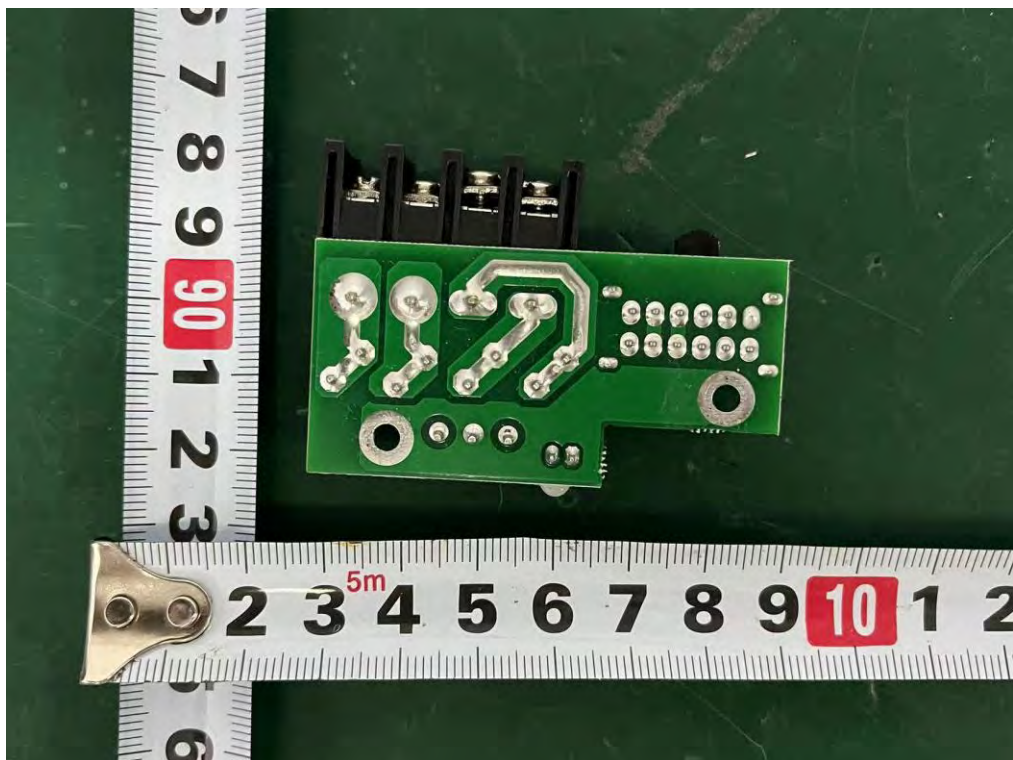
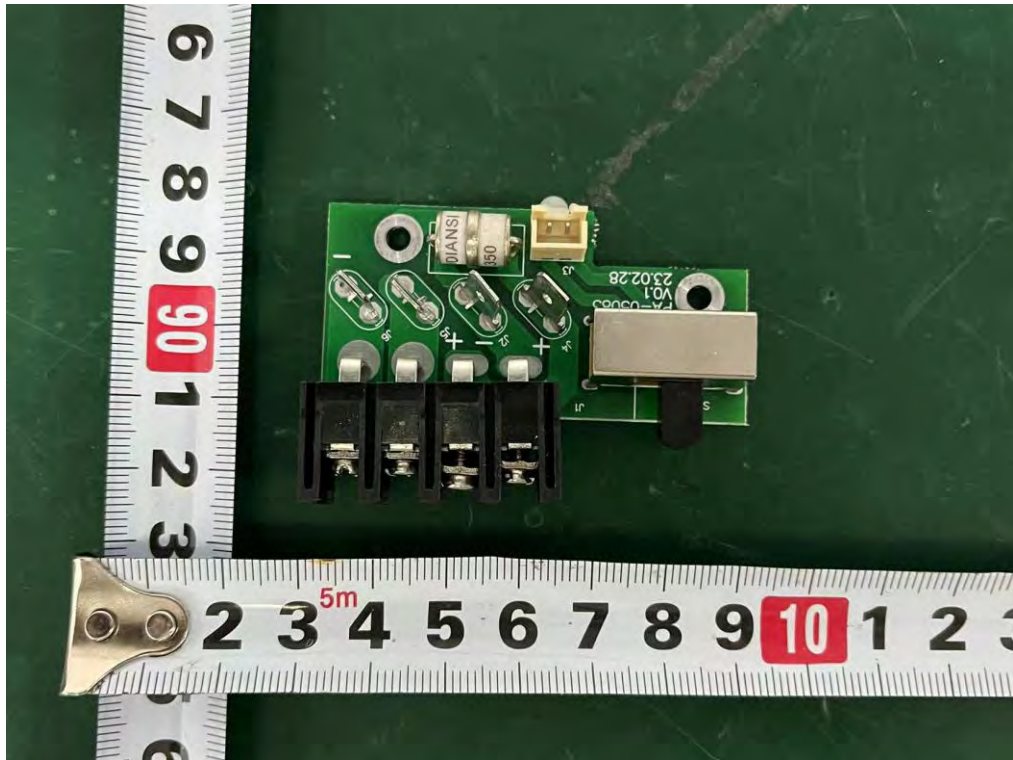
Internal Photos
M/N: ECA-70MIXAMP-1-240D



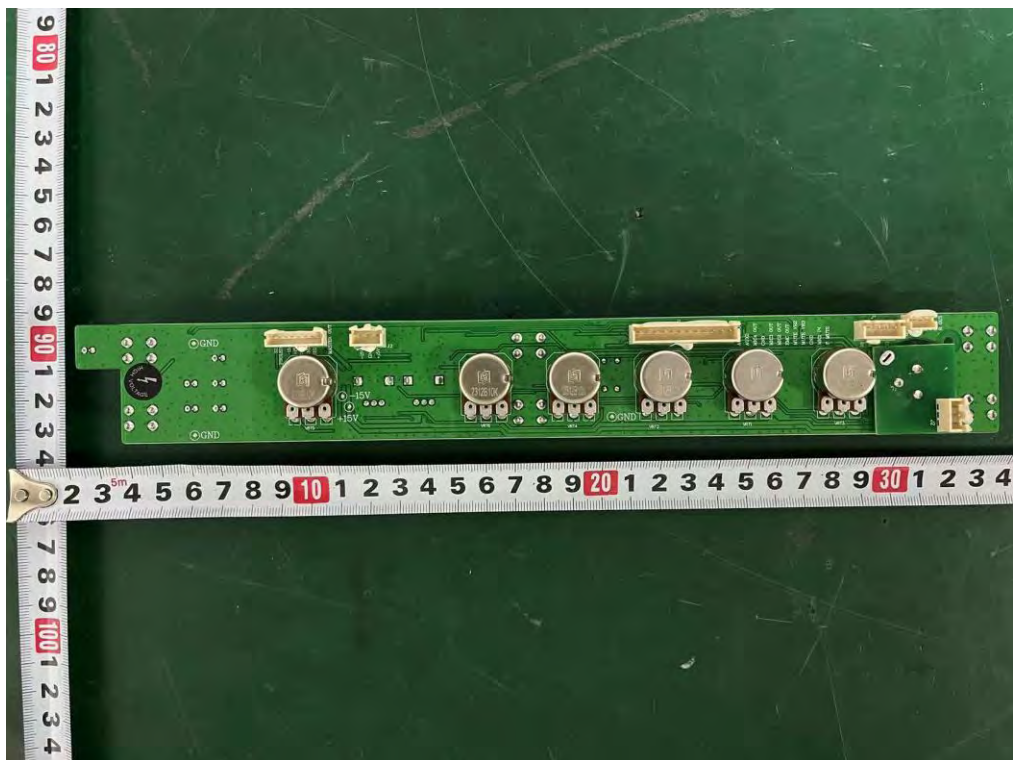
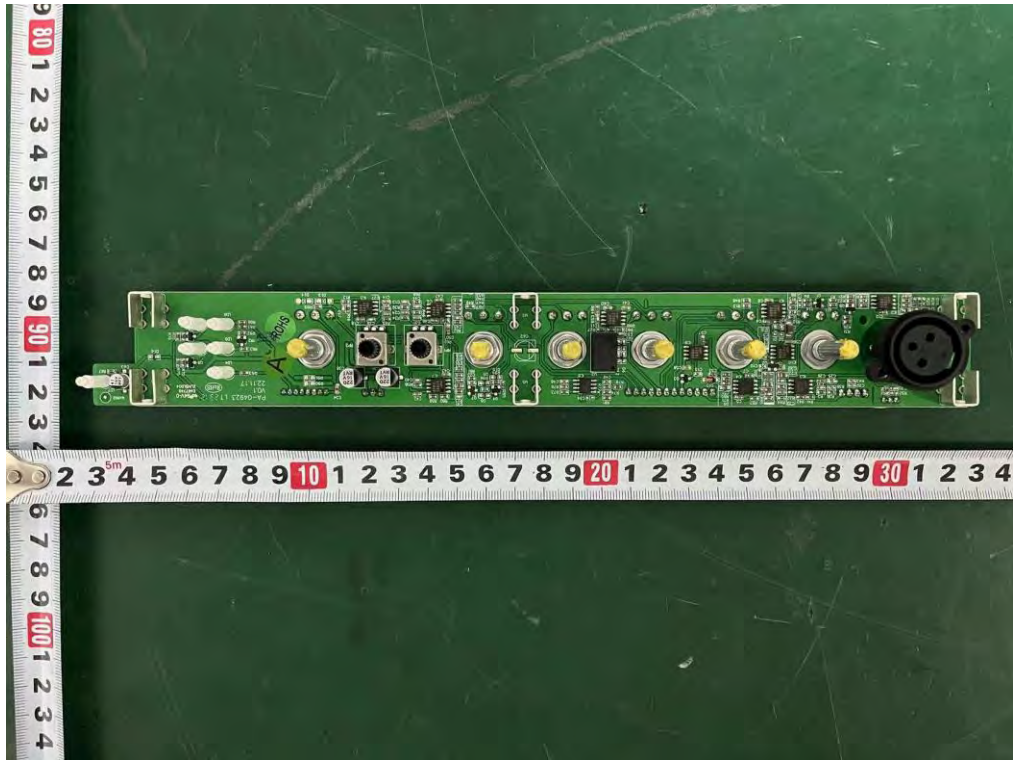
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M/N: ECA-70MIXAMP-1-240D



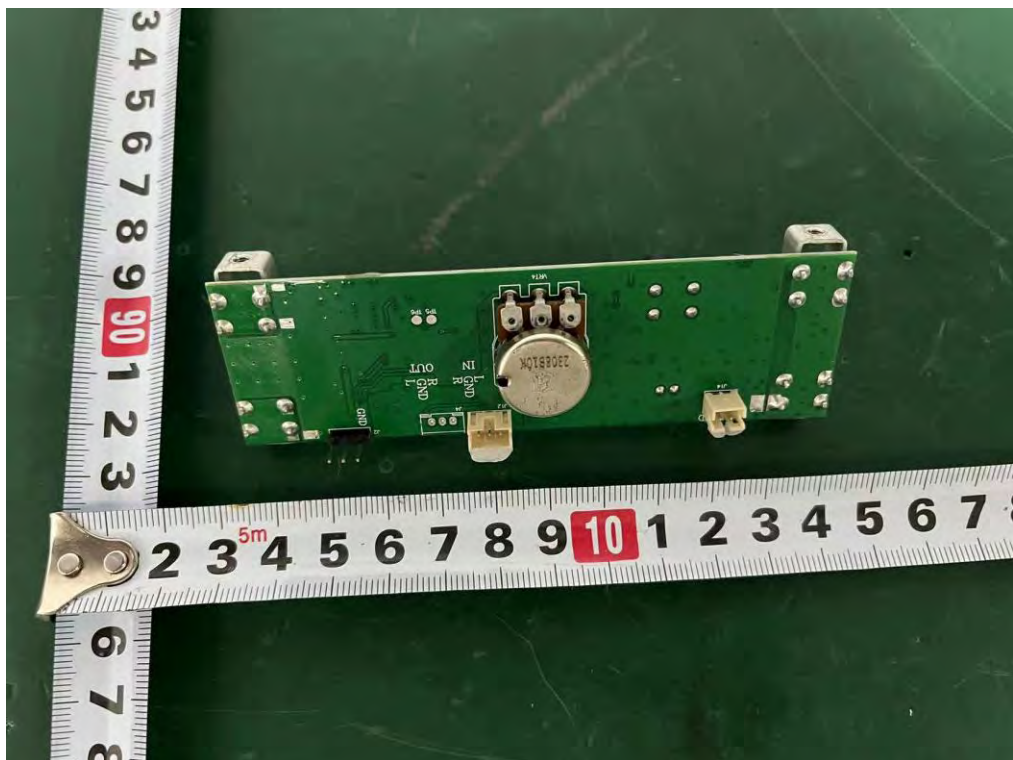
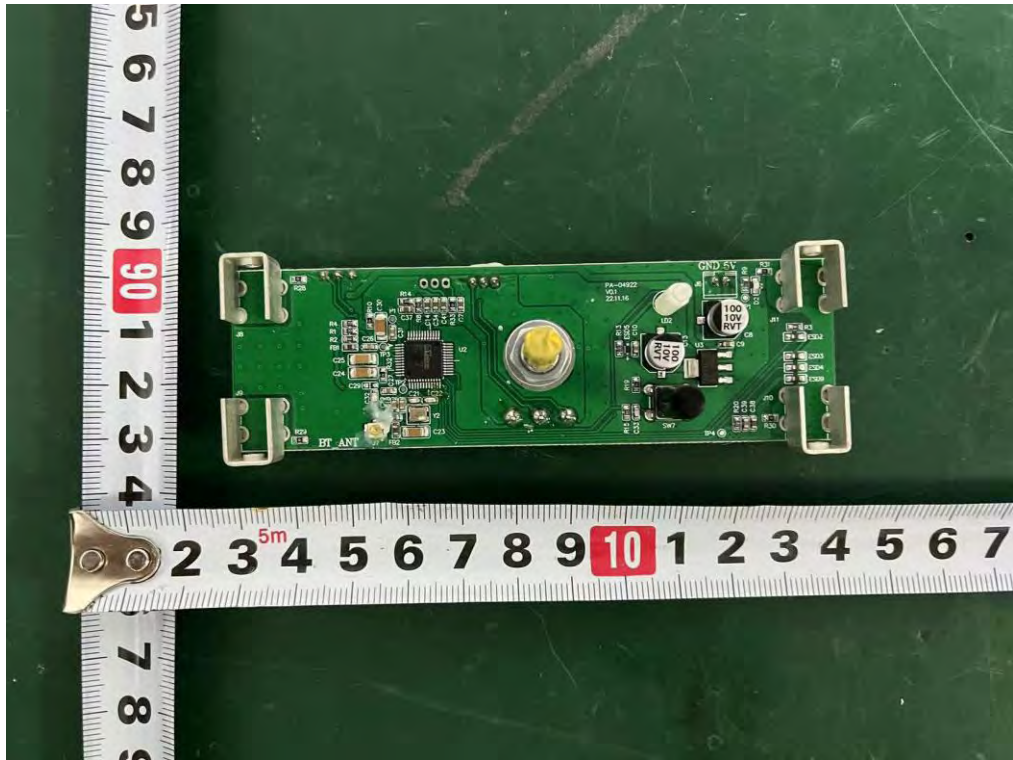
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M/N: ECA-70MIXAMP-1-240D



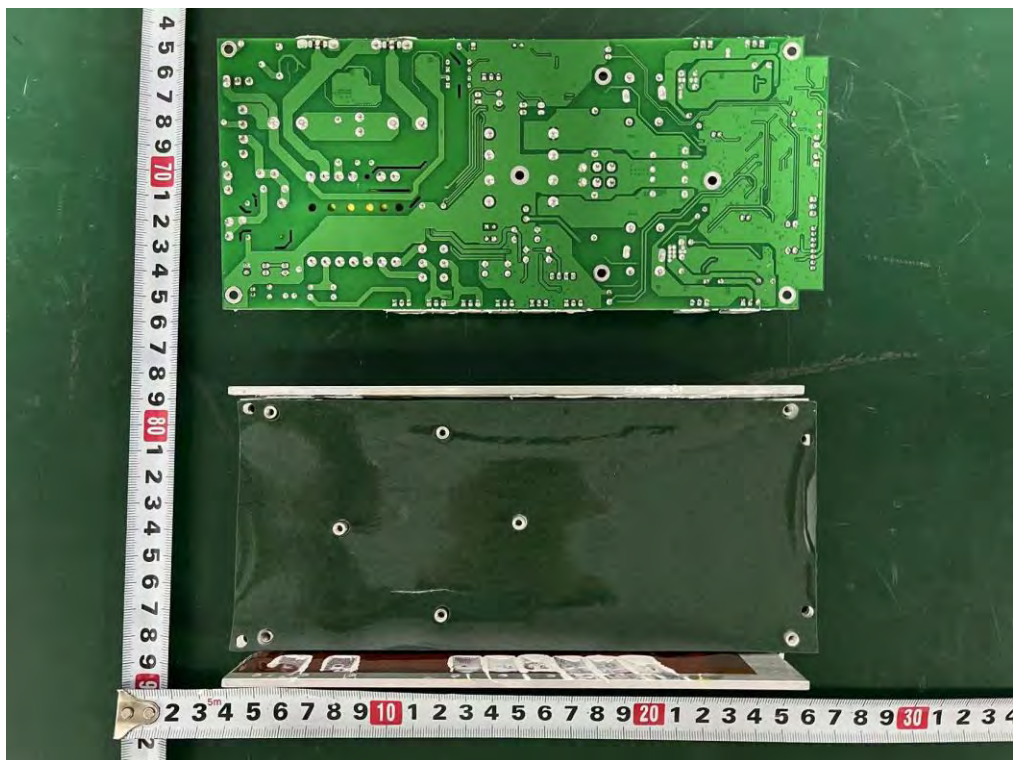
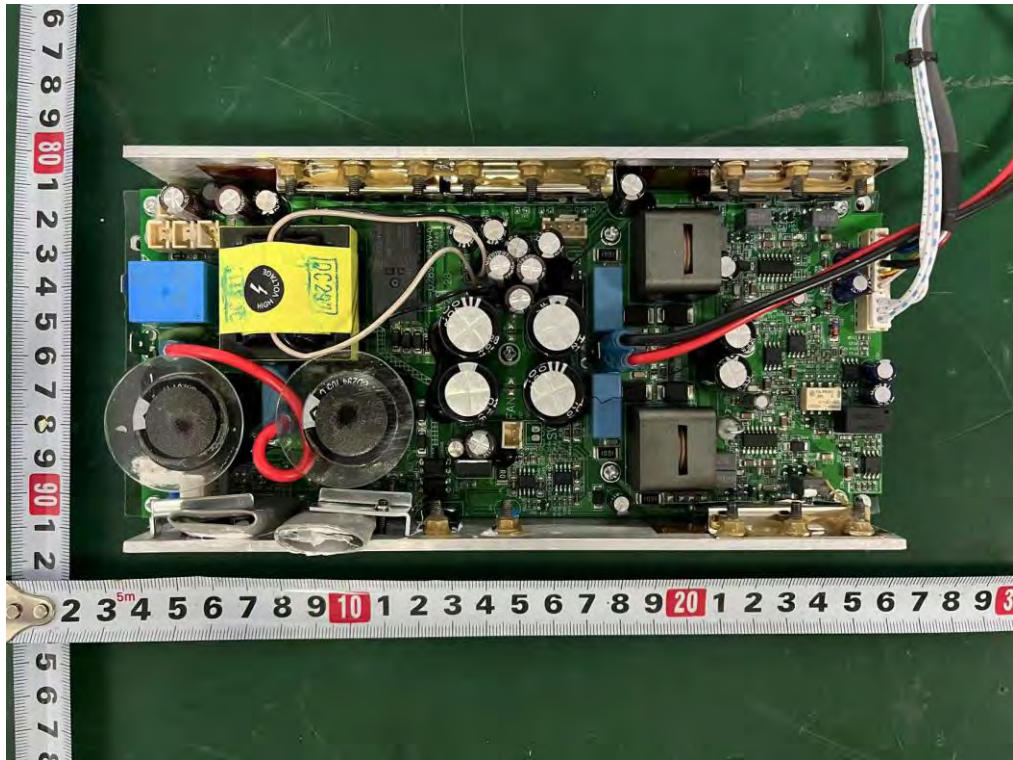
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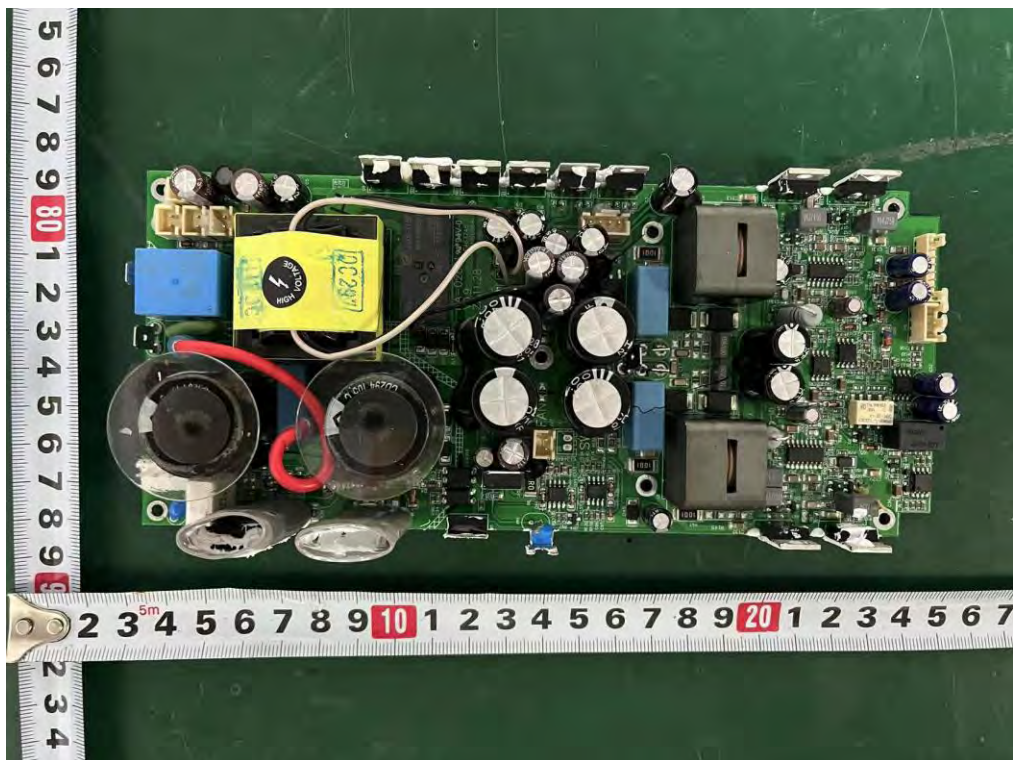
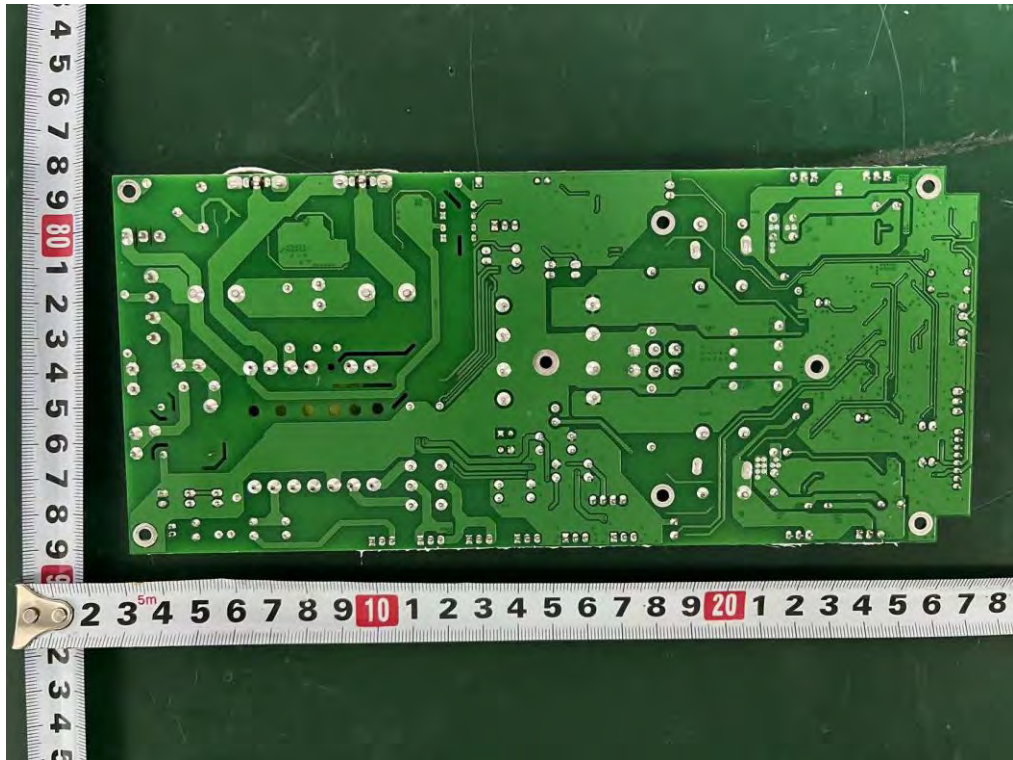
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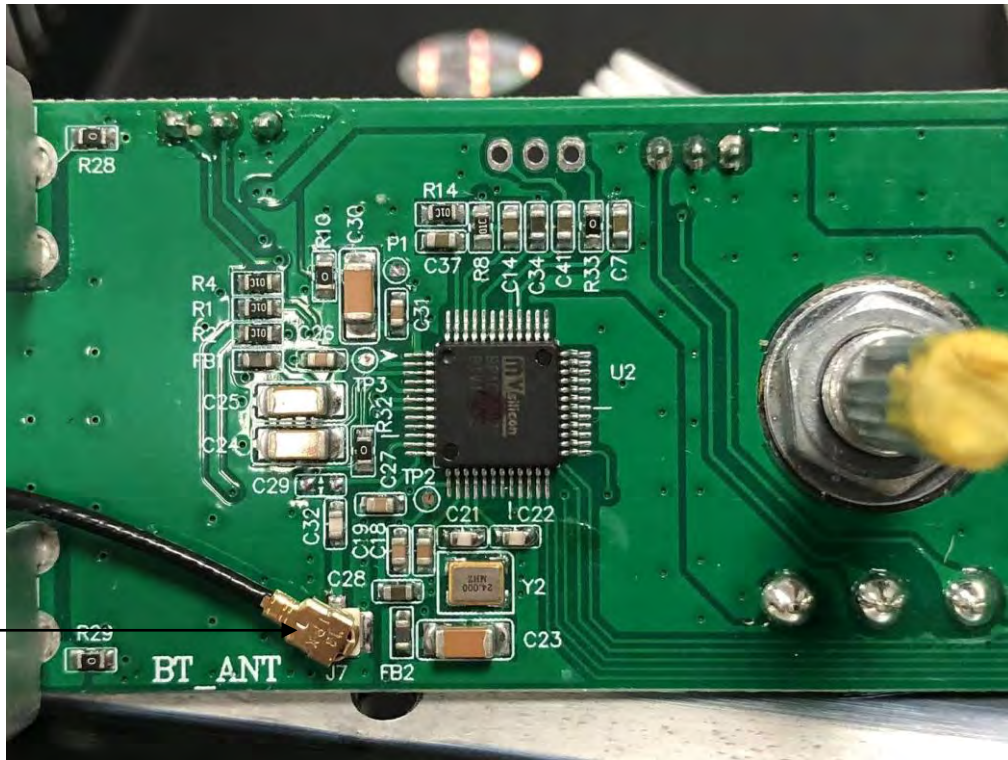
Internal Photos
M/N: ECA-70MIXAMP-1-240D



Internal Photos
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Bluetooth
Antenna

End of Test Report