Appendix Test Data

Report No.:	1812C60023212501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-1-7	Finish Test Date:	2026-1-8
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	22.5℃	Relative Humidity:	32%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.849	2401.562	2402.411	---	---
DH5	Ant1	2441	0.849	2440.568	2441.417	---	---
DH5	Ant1	2480	0.849	2479.565	2480.414	---	---
2DH5	Ant1	2402	1.284	2401.364	2402.648	---	---
2DH5	Ant1	2441	1.278	2440.367	2441.645	---	---
2DH5	Ant1	2480	1.266	2479.376	2480.642	---	---
3DH5	Ant1	2402	1.308	2401.349	2402.657	---	---
3DH5	Ant1	2441	1.287	2440.361	2441.648	---	---
3DH5	Ant1	2480	1.281	2479.358	2480.639	---	---

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Test Graphs

DH5-Ant1-2402

DH5-Ant1-2441

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DH5-Ant1-2480

2DH5-Ant1-2402

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2DH5-Ant1-2441

2DH5-Ant1-2480

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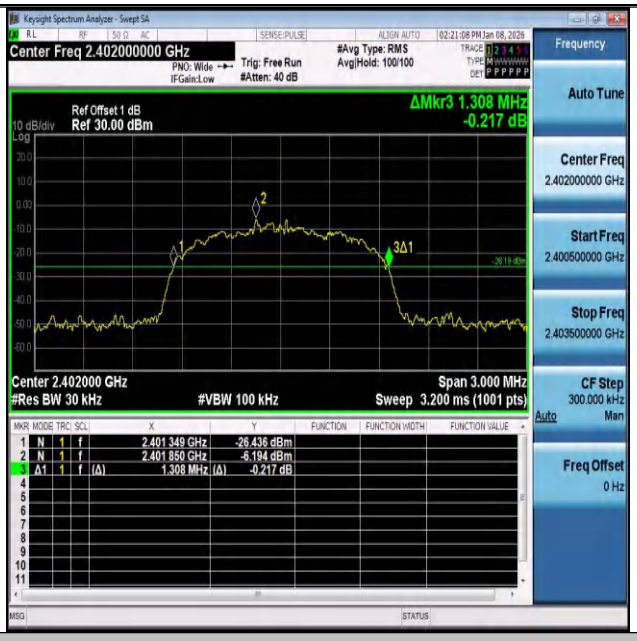

3DH5-Ant1-2402

3DH5-Ant1-2441

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3DH5-Ant1-2480

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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.77089	2401.6184	2402.3893	---	---
DH5	Ant1	2441	0.75418	2440.6261	2441.3803	---	---
DH5	Ant1	2480	0.76053	2479.6226	2480.3832	---	---
2DH5	Ant1	2402	1.1658	2401.4154	2402.5812	---	---
2DH5	Ant1	2441	1.1650	2440.4152	2441.5802	---	---
2DH5	Ant1	2480	1.1728	2479.4115	2480.5843	---	---
3DH5	Ant1	2402	1.1651	2401.4228	2402.5879	---	---
3DH5	Ant1	2441	1.1679	2440.4179	2441.5858	---	---
3DH5	Ant1	2480	1.1618	2479.4234	2480.5852	---	---

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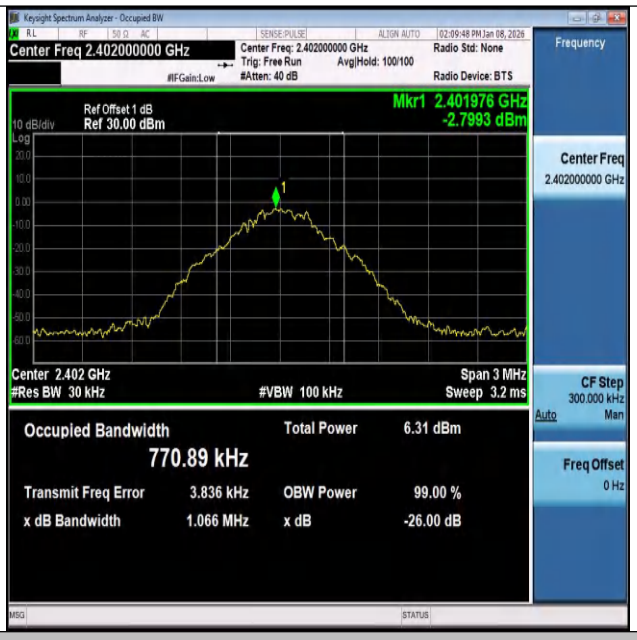
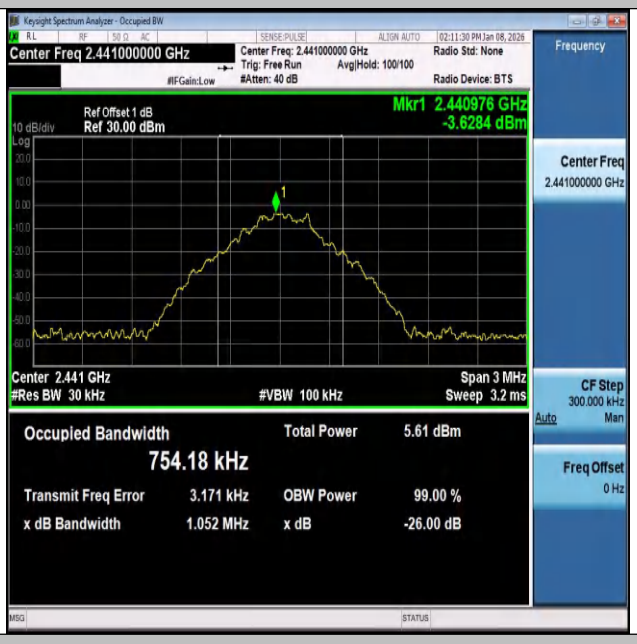
Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441

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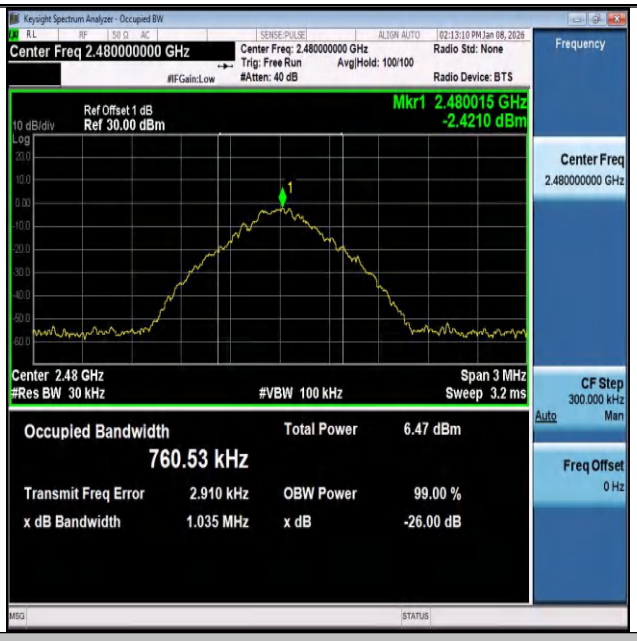
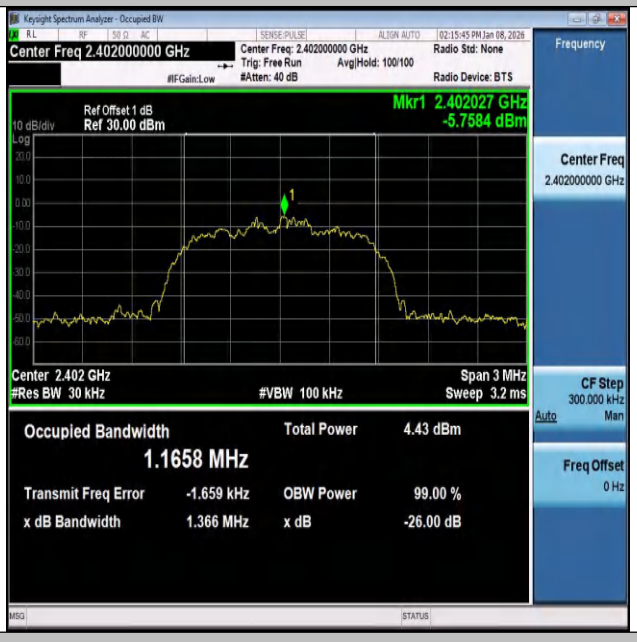


DH5-Ant1-2480



2DH5-Ant1-2402

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2DH5-Ant1-2441

2DH5-Ant1-2480

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3DH5-Ant1-2402

3DH5-Ant1-2441

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3DH5-Ant1-2480

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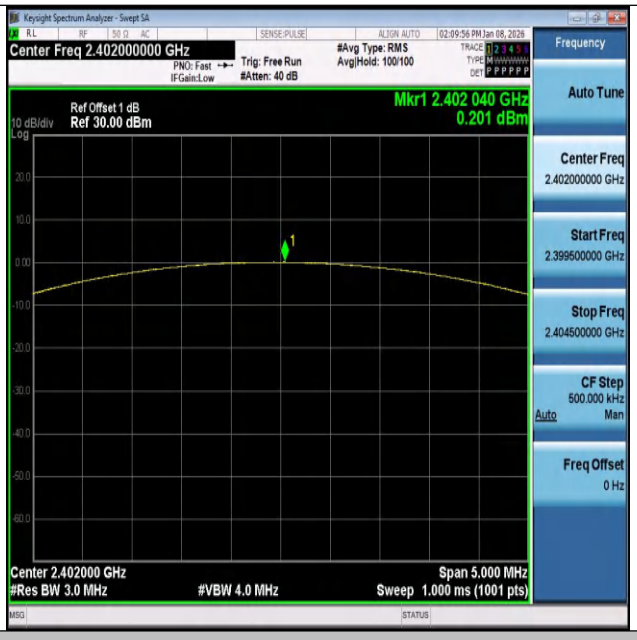
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.20	≤20.97	PASS
DH5	Ant1	2441	-0.86	≤20.97	PASS
DH5	Ant1	2480	0.39	≤20.97	PASS
2DH5	Ant1	2402	-0.76	≤20.97	PASS
2DH5	Ant1	2441	-1.22	≤20.97	PASS
2DH5	Ant1	2480	-0.33	≤20.97	PASS
3DH5	Ant1	2402	-0.81	≤20.97	PASS
3DH5	Ant1	2441	-1.18	≤20.97	PASS
3DH5	Ant1	2480	-0.40	≤20.97	PASS

Test Graphs



DH5-Ant1-2402-PASS

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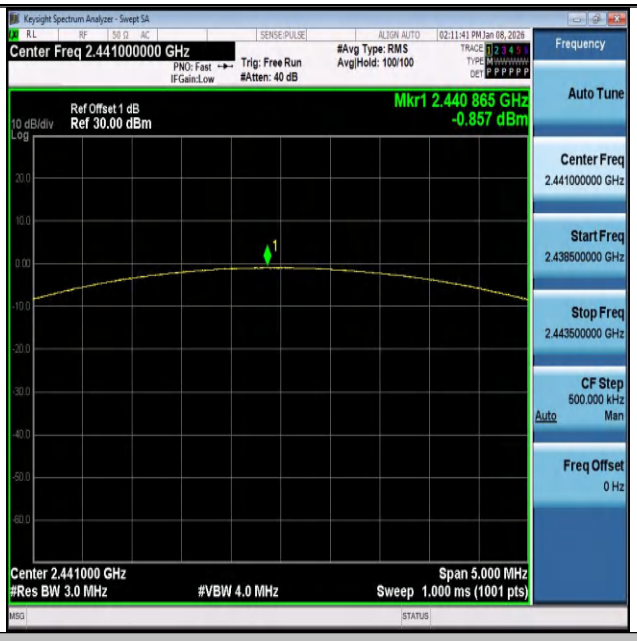
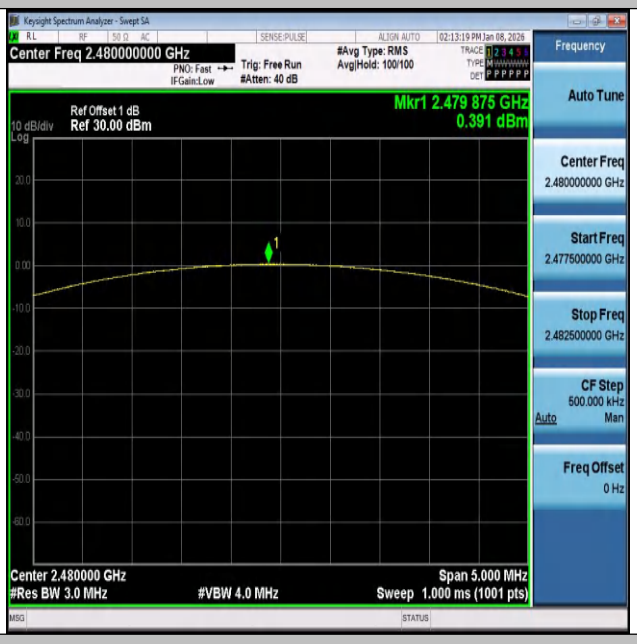


DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS

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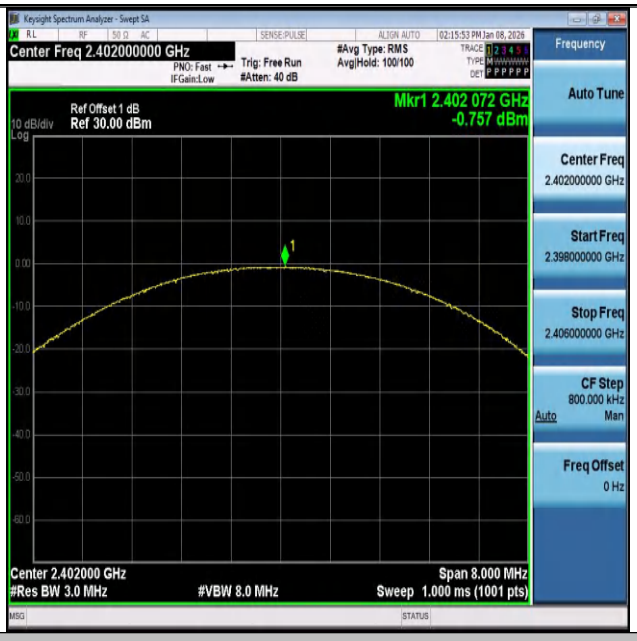
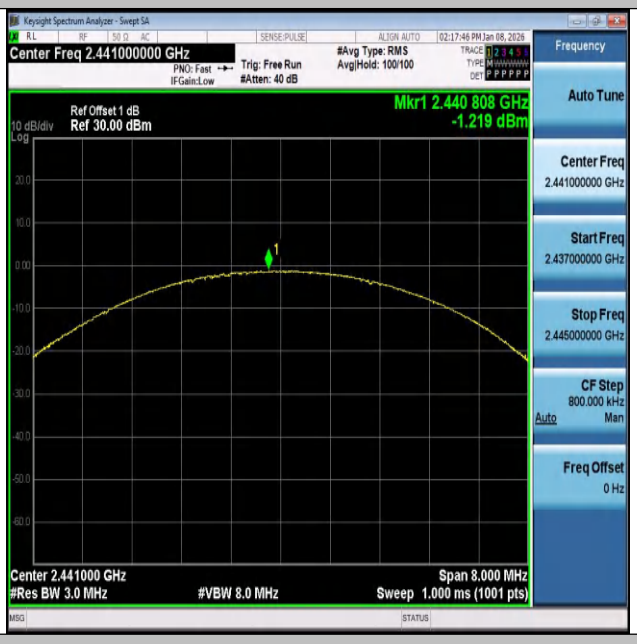


2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

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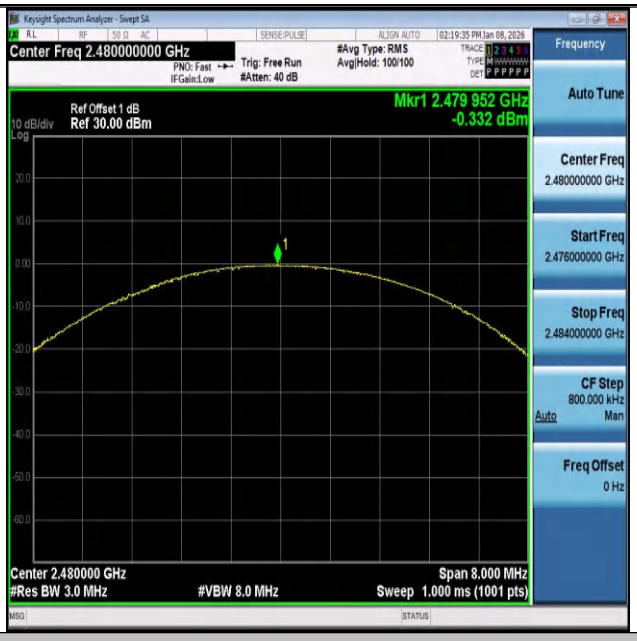
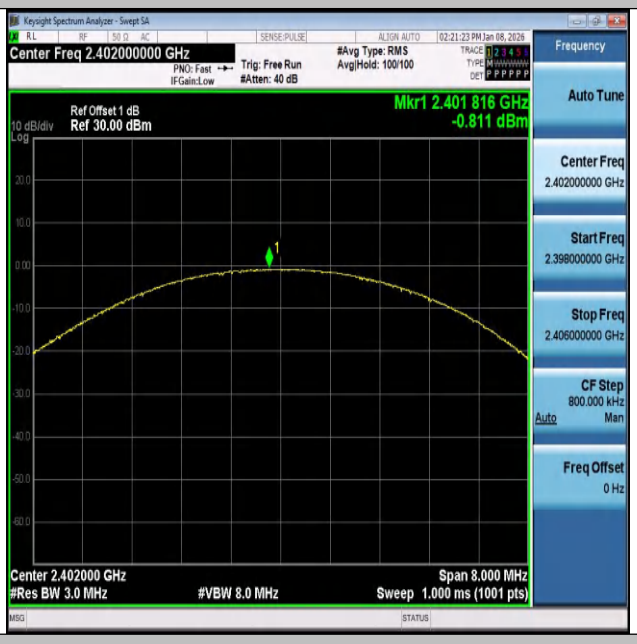


2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS

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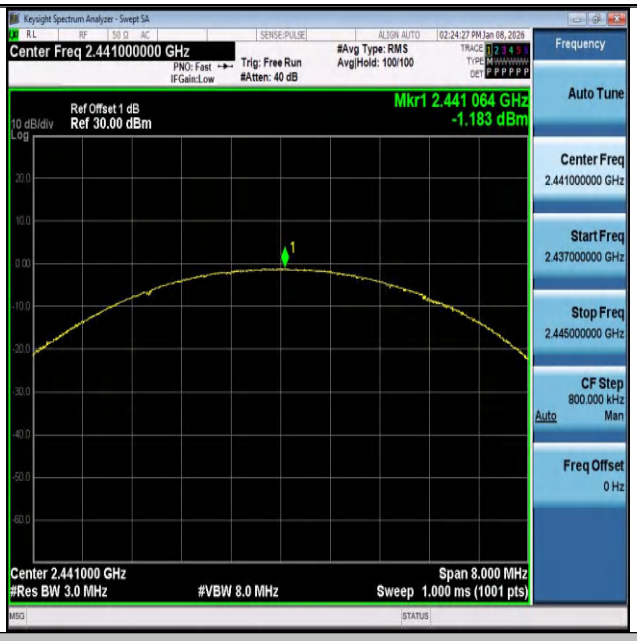
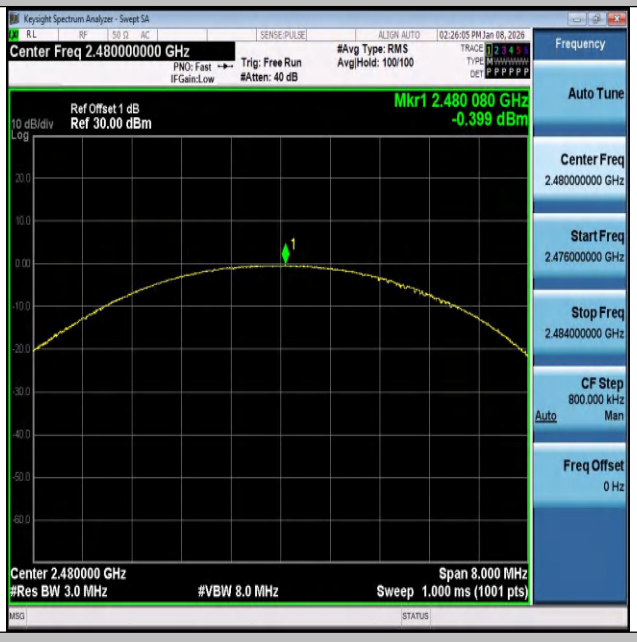


3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS

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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.986	≥0.566	PASS
2DH5	Ant1	Hop	1.000	≥0.856	PASS
3DH5	Ant1	Hop	0.996	≥0.872	PASS

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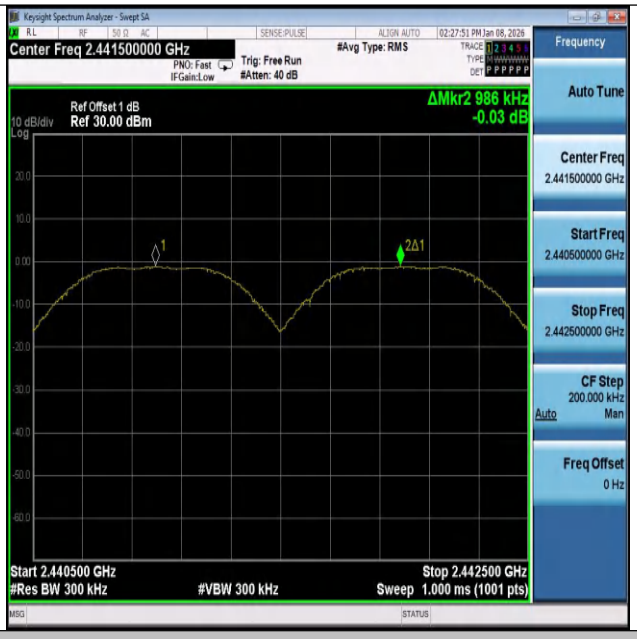
Test Graphs



DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS

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3DH5-Ant1-Hop-PASS

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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.880	115	0.331	≤0.4	PASS
2DH5	Ant1	Hop	2.884	113	0.326	≤0.4	PASS
3DH5	Ant1	Hop	2.885	107	0.309	≤0.4	PASS

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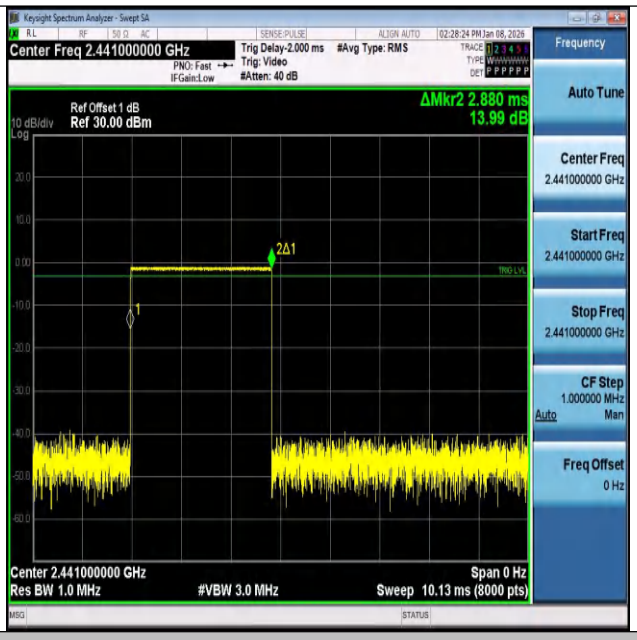
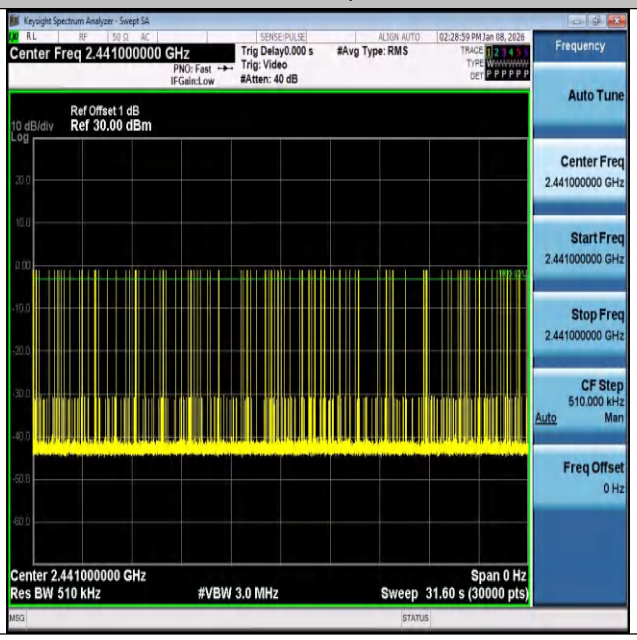
Test Graphs



DH5-Ant1-Hop-PASS



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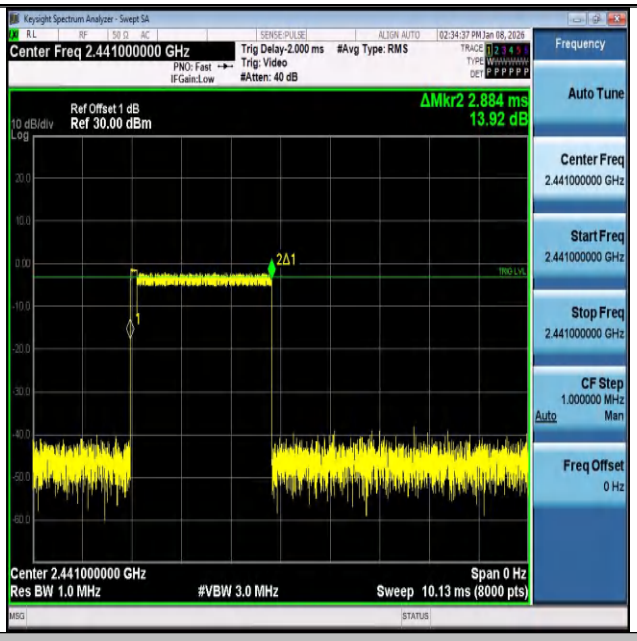
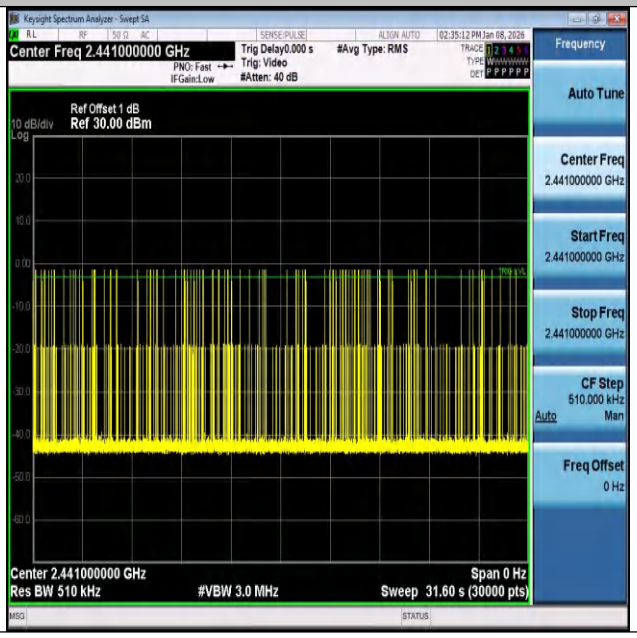


2DH5-Ant1-Hop-PASS



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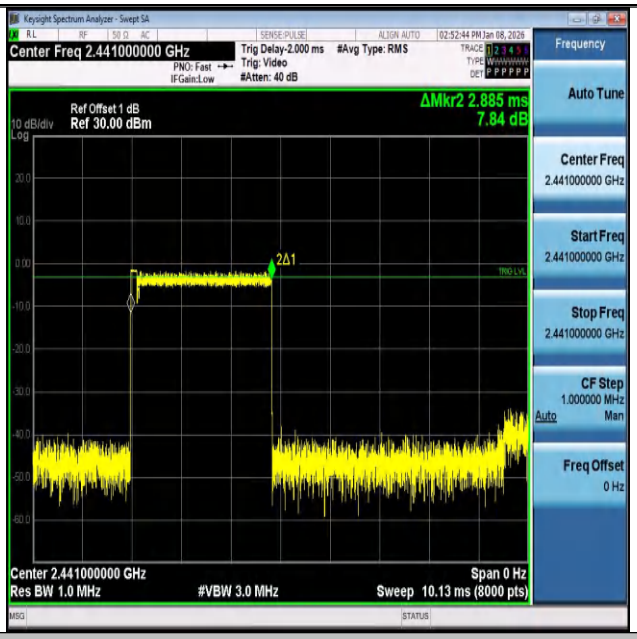
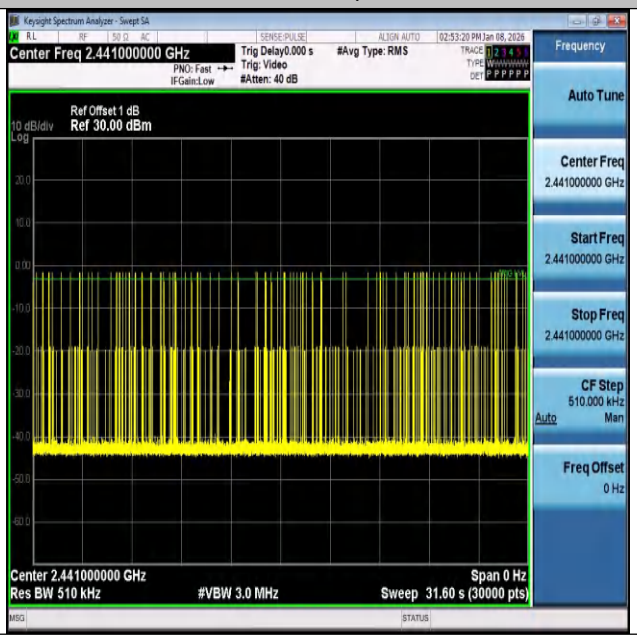


3DH5-Ant1-Hop-PASS



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Appendix F: Number of Hopping Channel

Test Result

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

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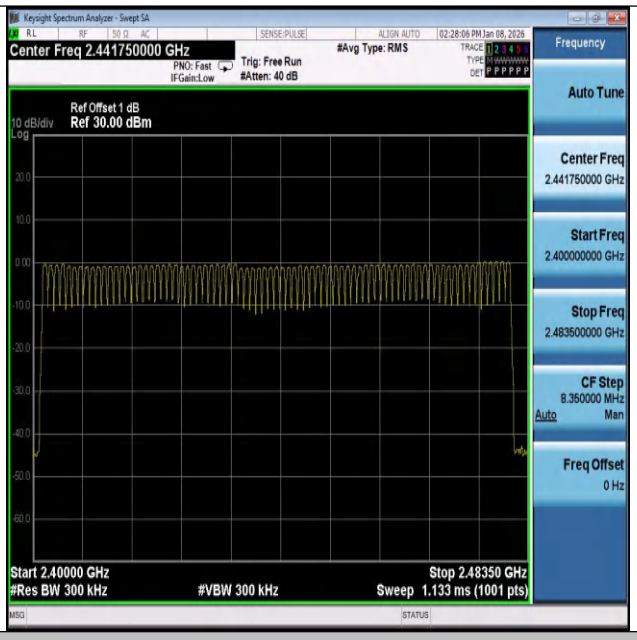
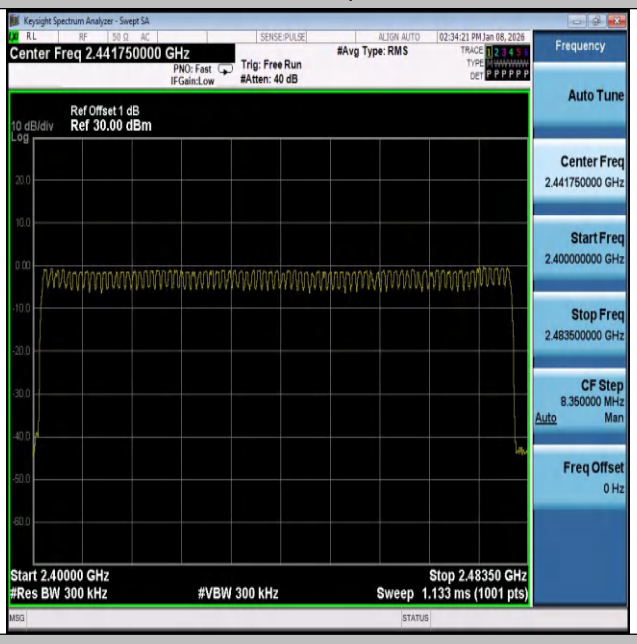
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS

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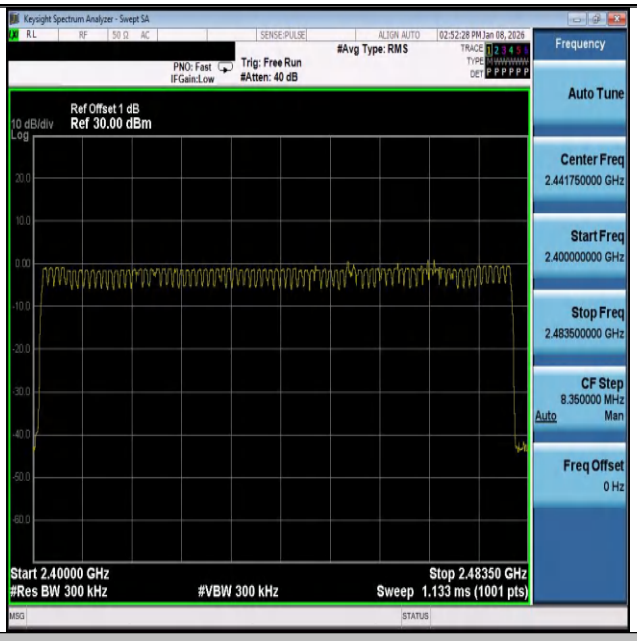

3DH5-Ant1-Hop-PASS

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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.18	-56.9	≤-20.18	PASS
DH5	Ant1	High	2480	-0.04	-56.58	≤-20.04	PASS
DH5	Ant1	Low	Hop_2402	-0.80	-56.64	≤-20.8	PASS
DH5	Ant1	High	Hop_2480	-0.45	-56.69	≤-20.45	PASS
2DH5	Ant1	Low	2402	-1.08	-56.88	≤-21.08	PASS
2DH5	Ant1	High	2480	-0.54	-55.8	≤-20.54	PASS
2DH5	Ant1	Low	Hop_2402	-2.83	-57.38	≤-22.83	PASS
2DH5	Ant1	High	Hop_2480	-1.94	-56.46	≤-21.94	PASS
3DH5	Ant1	Low	2402	-1.11	-55.62	≤-21.11	PASS
3DH5	Ant1	High	2480	-0.54	-55.95	≤-20.54	PASS
3DH5	Ant1	Low	Hop_2402	-5.88	-55.56	≤-25.88	PASS
3DH5	Ant1	High	Hop_2480	-1.21	-56.31	≤-21.21	PASS

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

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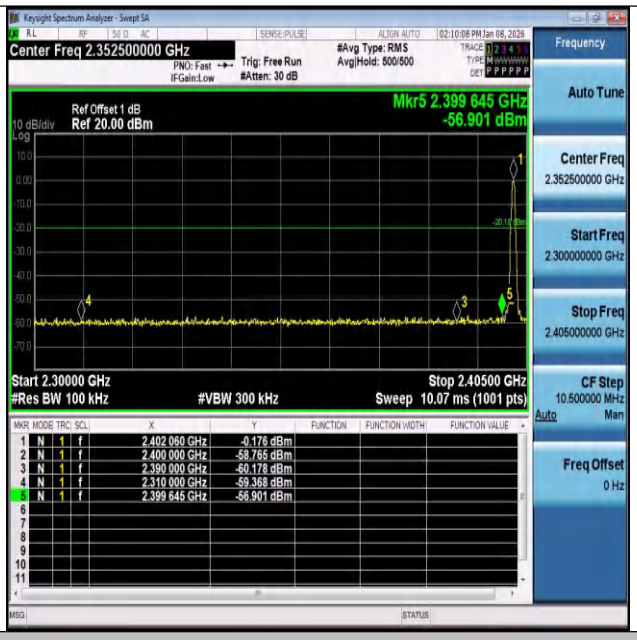
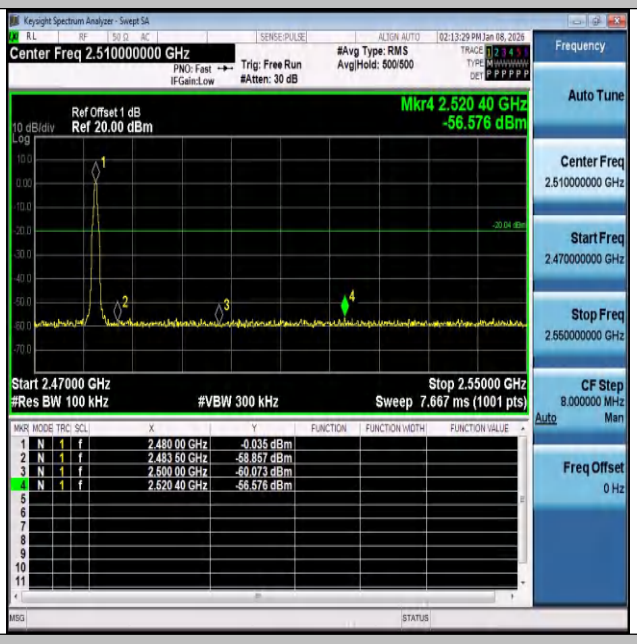
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS

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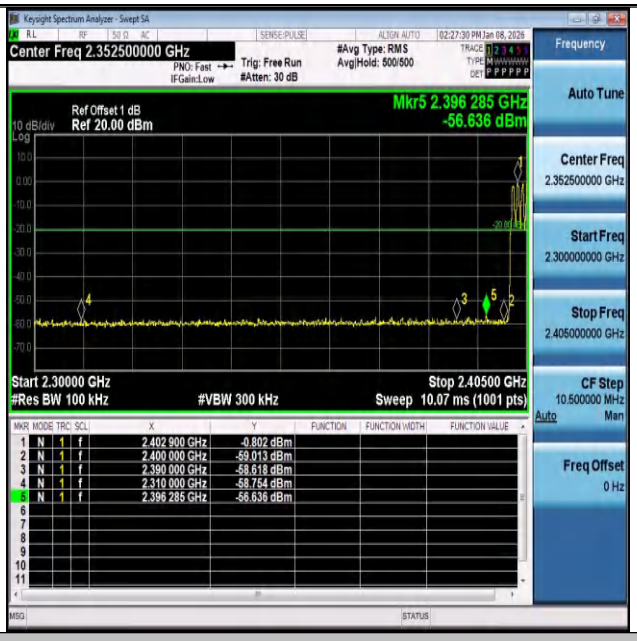
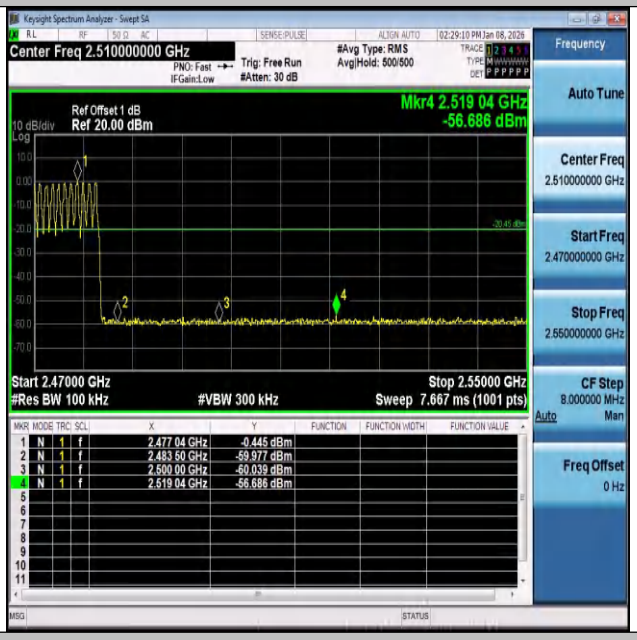


DH5-Ant1-Hop_2402-PASS



DH5-Ant1-Hop_2480-PASS

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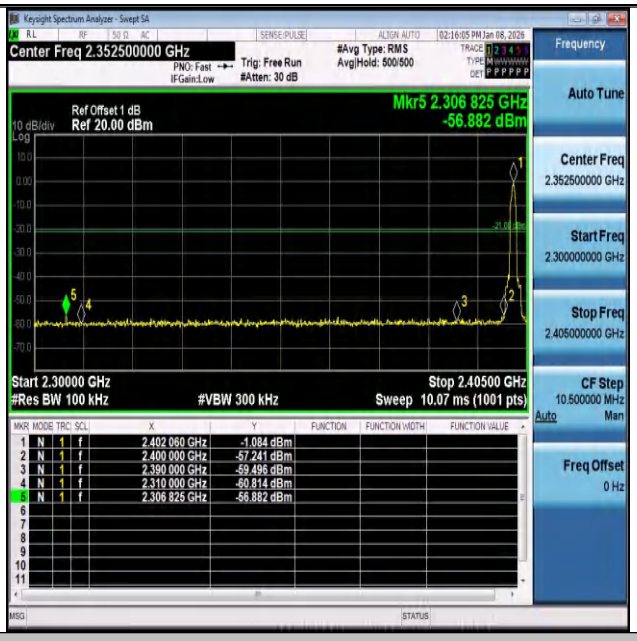
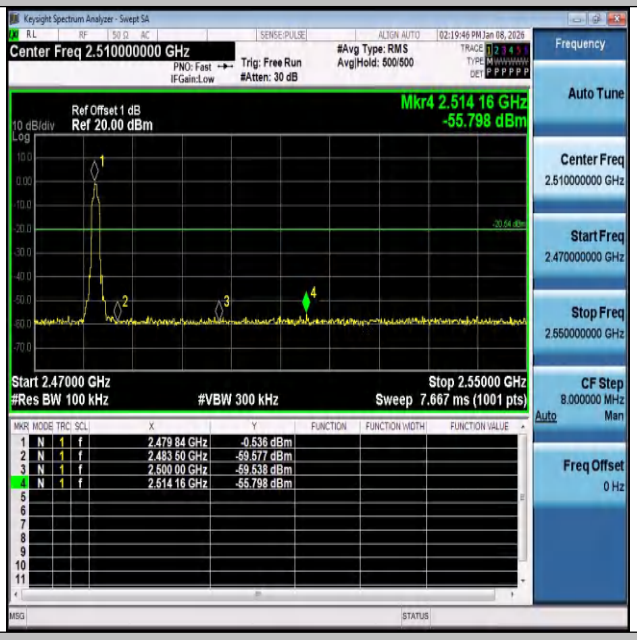


2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS

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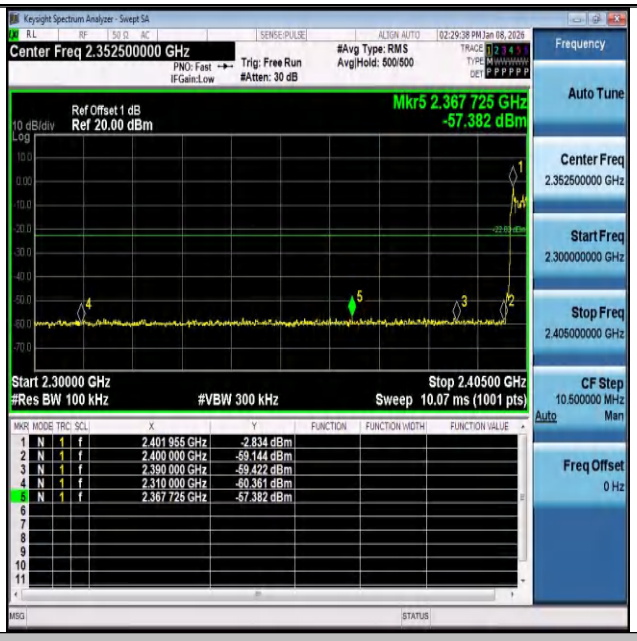

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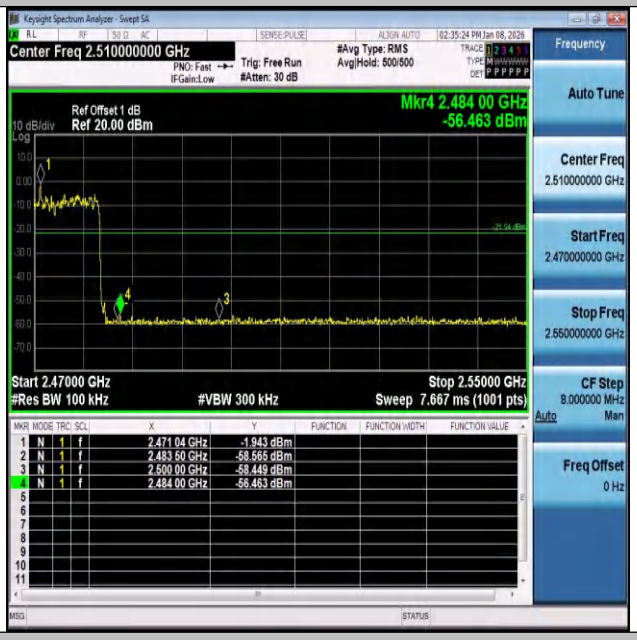

2DH5-Ant1-Hop_2480-PASS

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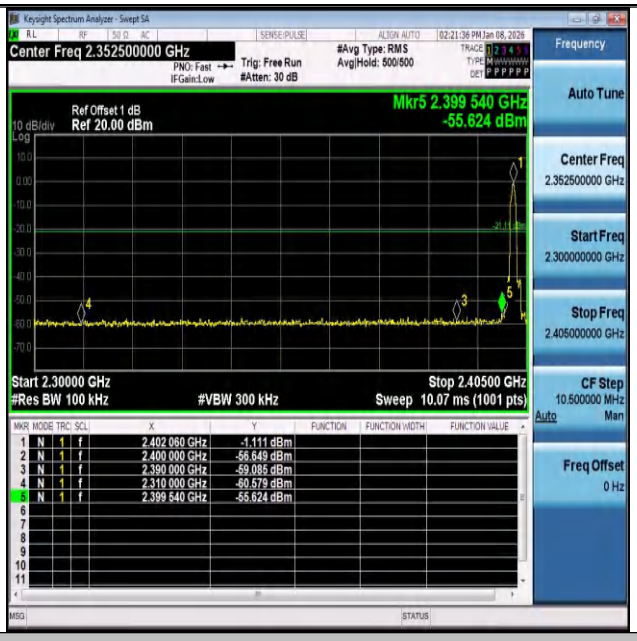
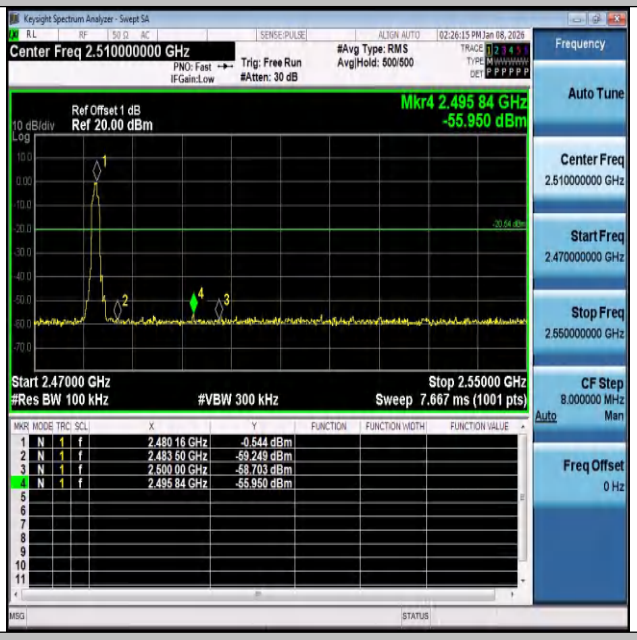


3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS

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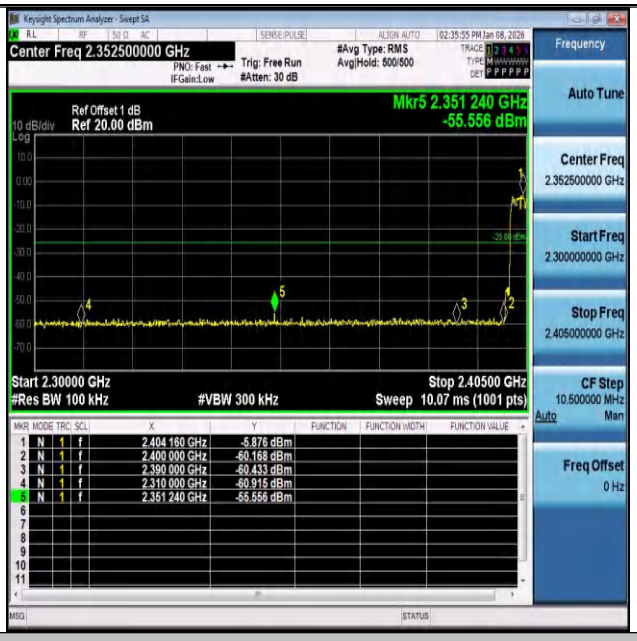

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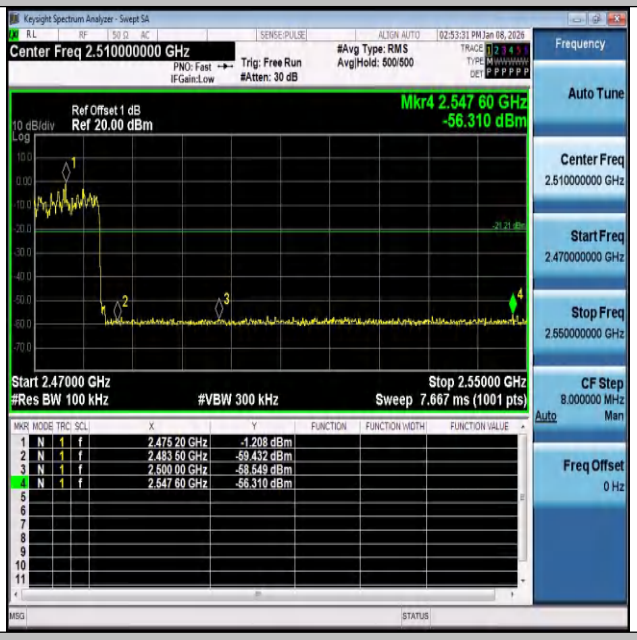

3DH5-Ant1-Hop_2480-PASS

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Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.94	-0.94	---	PASS
DH5	Ant1	2402	30~1000	-0.94	-68.69	≤-20.94	PASS
DH5	Ant1	2402	1000~26500	-0.94	-32.42	≤-20.94	PASS
DH5	Ant1	2441	0~Reference	-1.79	-1.79	---	PASS
DH5	Ant1	2441	30~1000	-1.79	-68.98	≤-21.79	PASS
DH5	Ant1	2441	1000~26500	-1.79	-32.51	≤-21.79	PASS
DH5	Ant1	2480	0~Reference	-0.40	-0.40	---	PASS
DH5	Ant1	2480	30~1000	-0.40	-69.15	≤-20.4	PASS
DH5	Ant1	2480	1000~26500	-0.40	-31.89	≤-20.4	PASS
2DH5	Ant1	2402	0~Reference	-2.24	-2.24	---	PASS
2DH5	Ant1	2402	30~1000	-2.24	-68.84	≤-22.24	PASS
2DH5	Ant1	2402	1000~26500	-2.24	-32.09	≤-22.24	PASS
2DH5	Ant1	2441	0~Reference	-2.36	-2.36	---	PASS
2DH5	Ant1	2441	30~1000	-2.36	-68.85	≤-22.36	PASS
2DH5	Ant1	2441	1000~26500	-2.36	-32.52	≤-22.36	PASS
2DH5	Ant1	2480	0~Reference	-6.18	-6.18	---	PASS
2DH5	Ant1	2480	30~1000	-6.18	-68.31	≤-26.18	PASS
2DH5	Ant1	2480	1000~26500	-6.18	-32.15	≤-26.18	PASS
3DH5	Ant1	2402	0~Reference	-5.96	-5.96	---	PASS
3DH5	Ant1	2402	30~1000	-5.96	-68.32	≤-25.96	PASS
3DH5	Ant1	2402	1000~26500	-5.96	-32.41	≤-25.96	PASS
3DH5	Ant1	2441	0~Reference	-2.33	-2.33	---	PASS
3DH5	Ant1	2441	30~1000	-2.33	-68.58	≤-22.33	PASS
3DH5	Ant1	2441	1000~26500	-2.33	-32.35	≤-22.33	PASS
3DH5	Ant1	2480	0~Reference	-2.00	-2.00	---	PASS
3DH5	Ant1	2480	30~1000	-2.00	-68.71	≤-22	PASS
3DH5	Ant1	2480	1000~26500	-2.00	-32.43	≤-22	PASS

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

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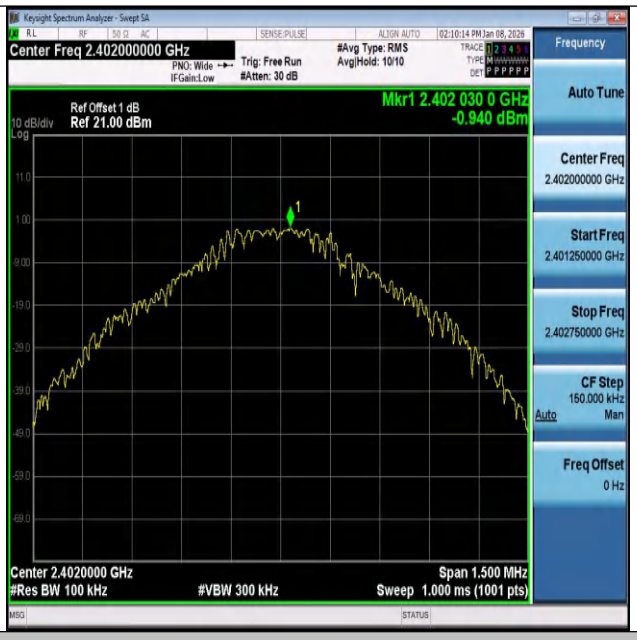
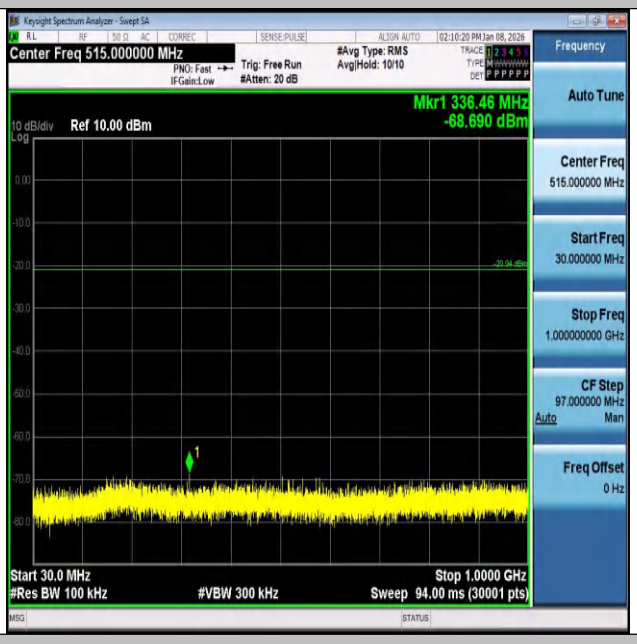
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS

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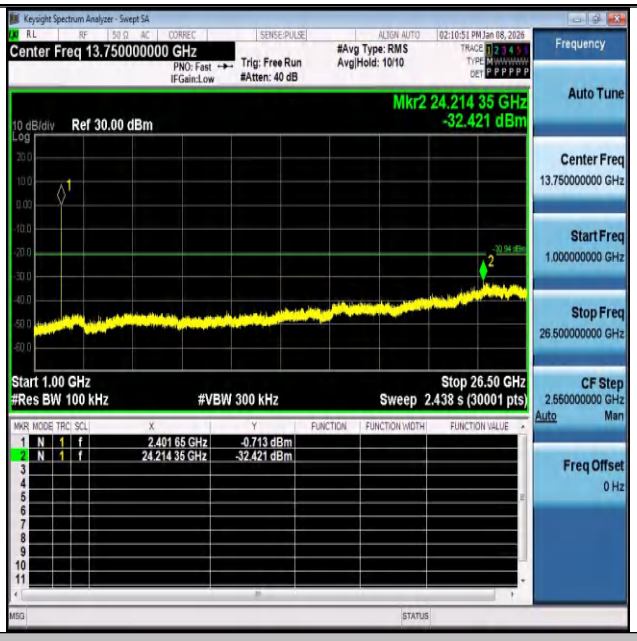

DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS

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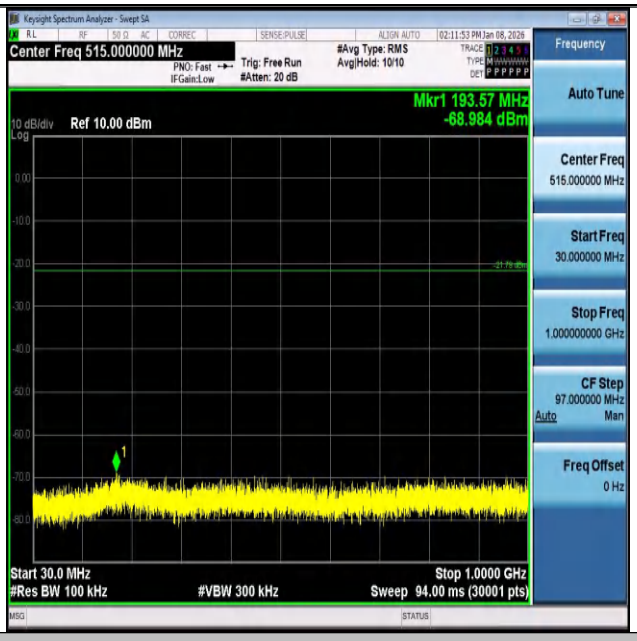

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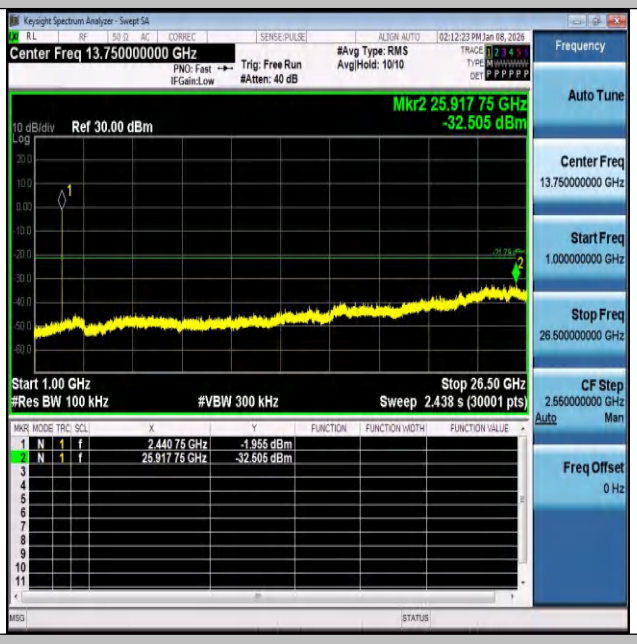

DH5-Ant1-2441-1000~26500-PASS

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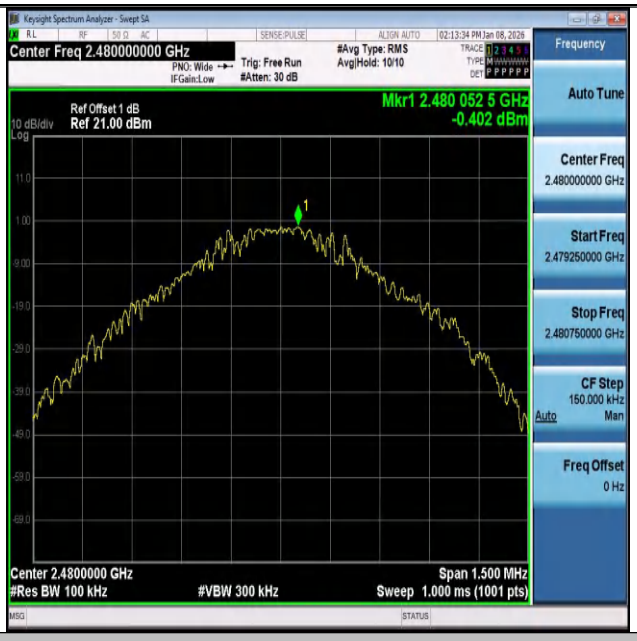
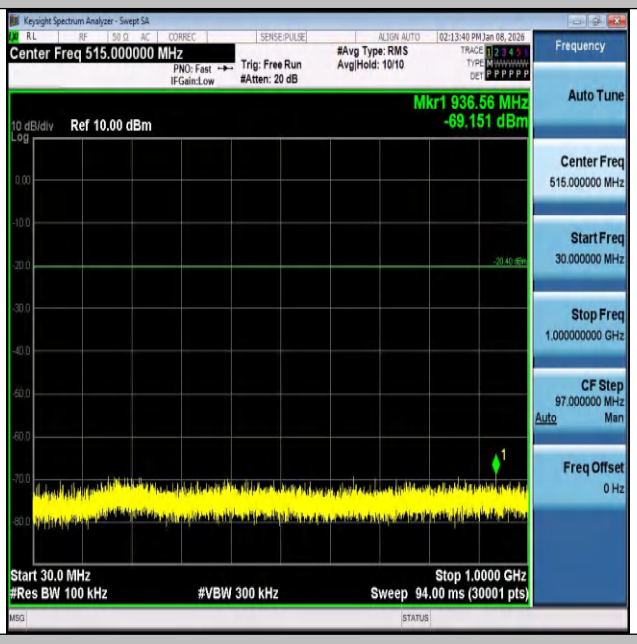


DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS

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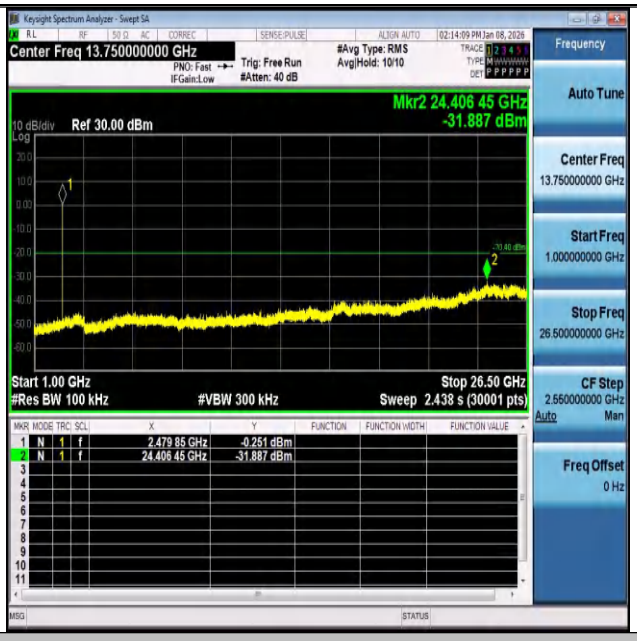
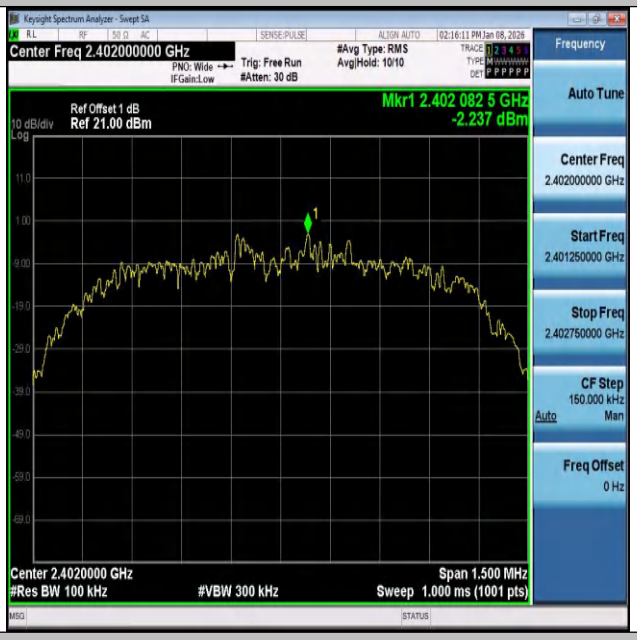


DH5-Ant1-2480-1000~26500-PASS



2DH5-Ant1-2402-0~Reference-PASS

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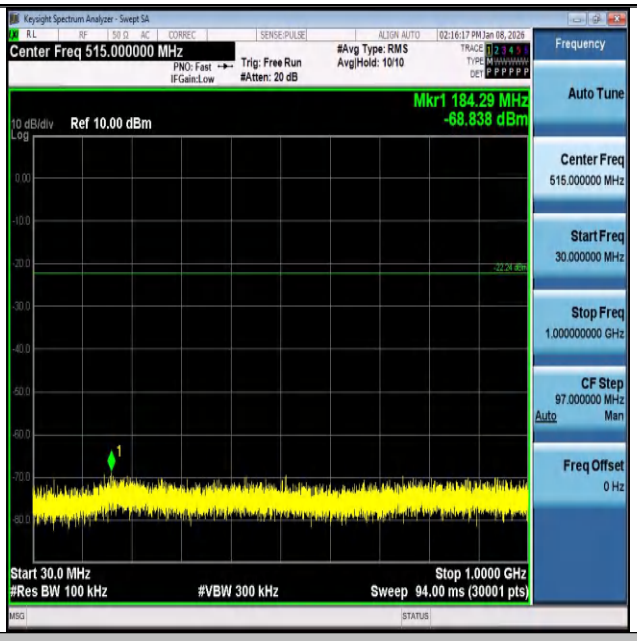

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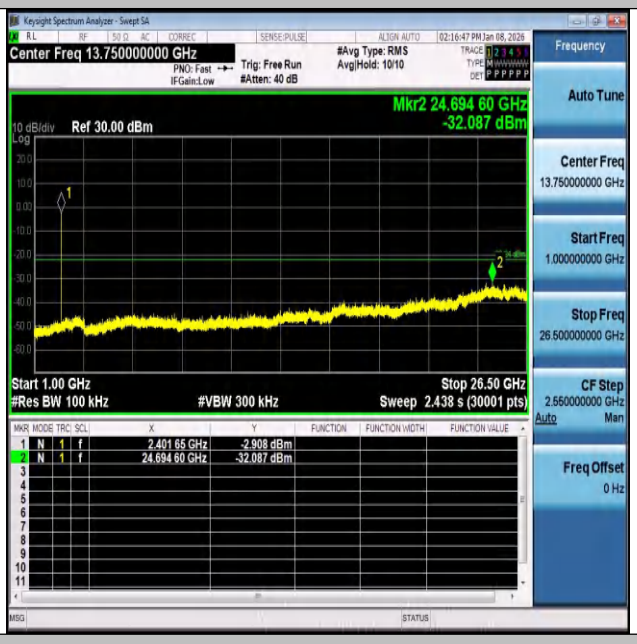

2DH5-Ant1-2402-1000~26500-PASS

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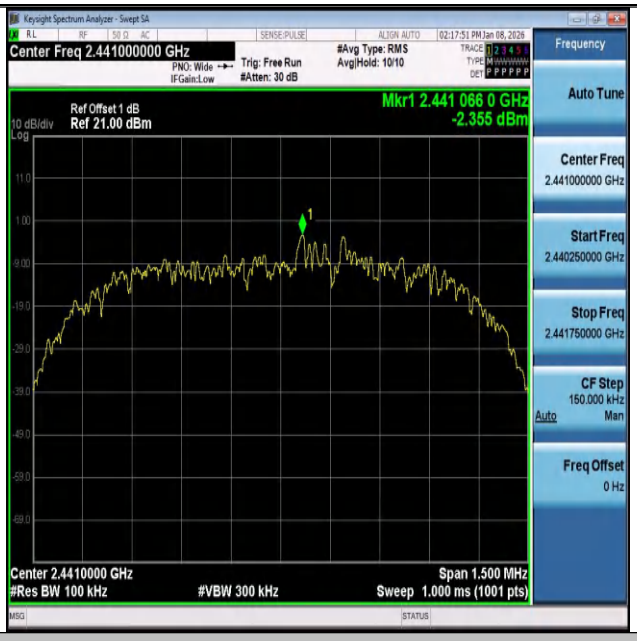

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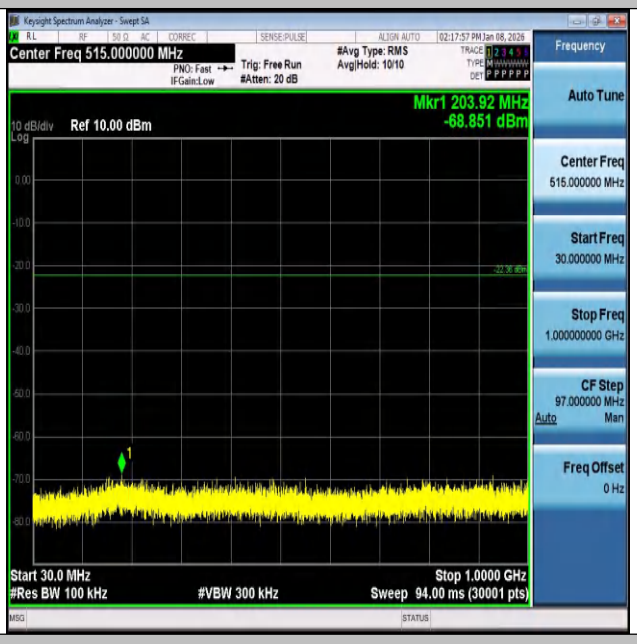

2DH5-Ant1-2441-30~1000-PASS

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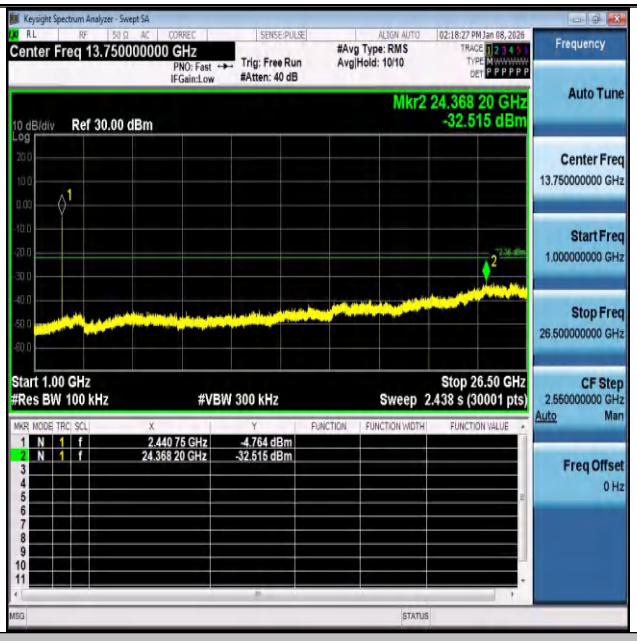

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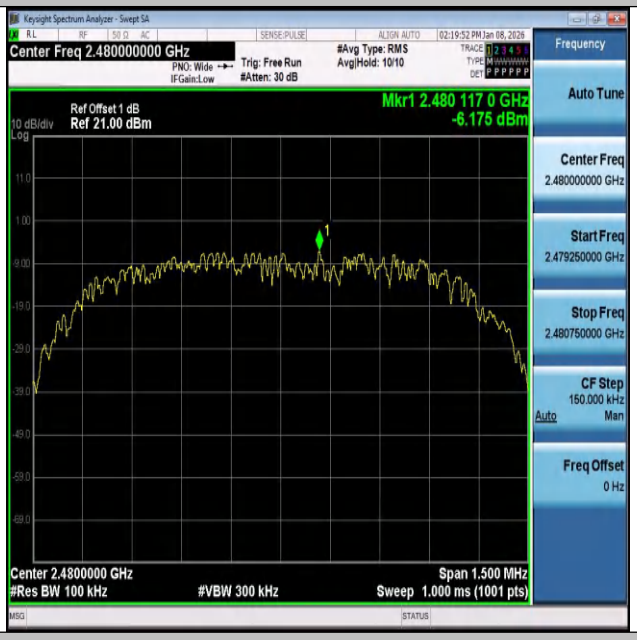

2DH5-Ant1-2480-0~Reference-PASS

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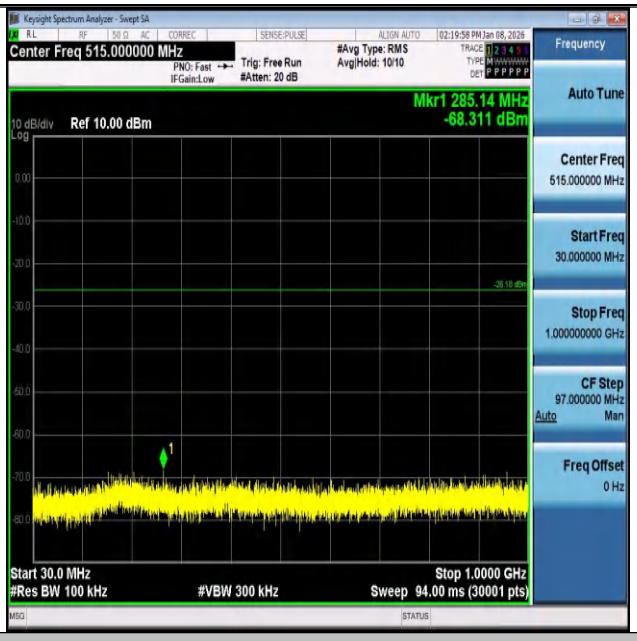

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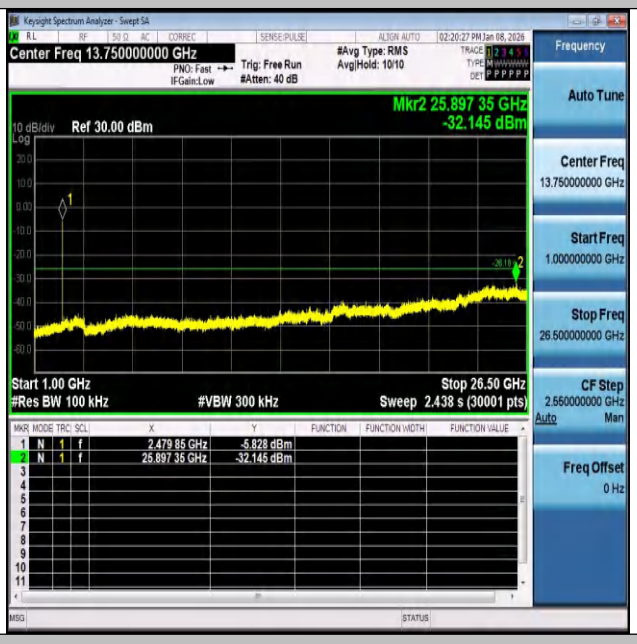

2DH5-Ant1-2480-1000~26500-PASS

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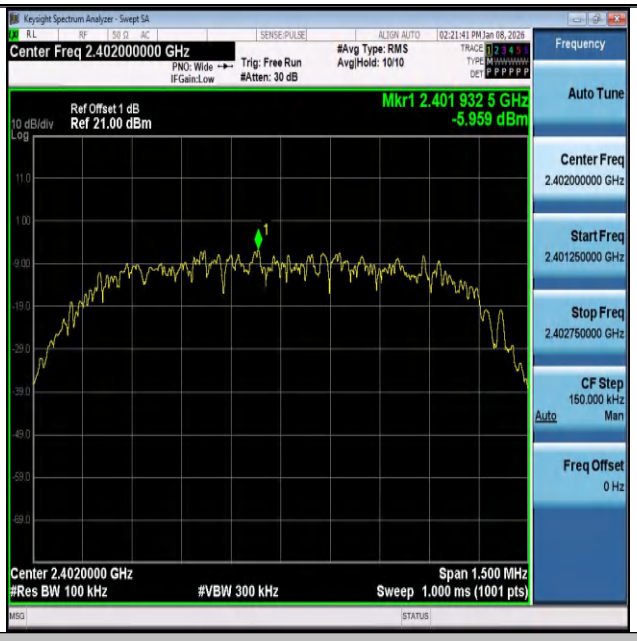
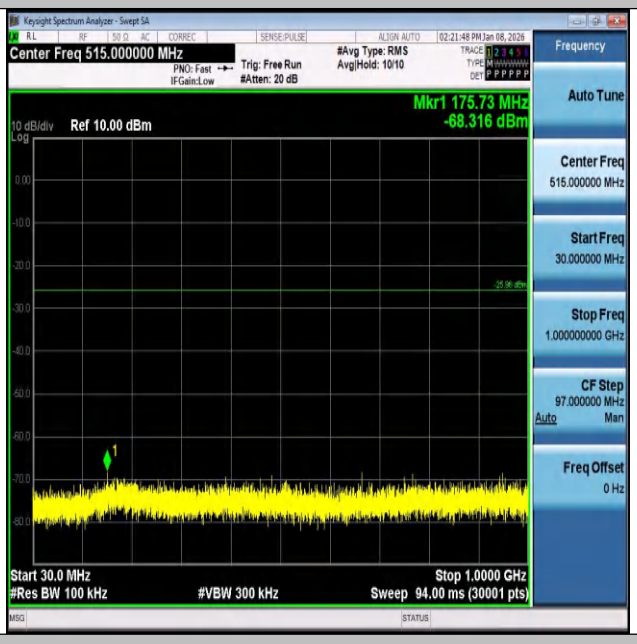


3DH5-Ant1-2402-0~Reference-PASS



3DH5-Ant1-2402-30~1000-PASS

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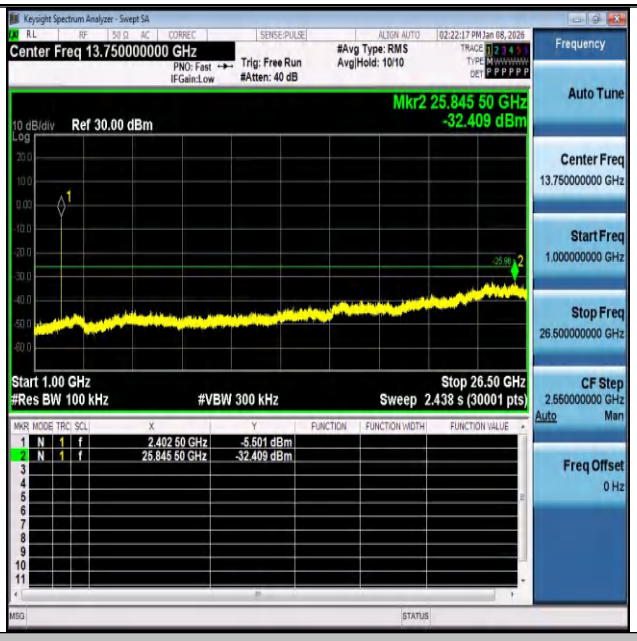

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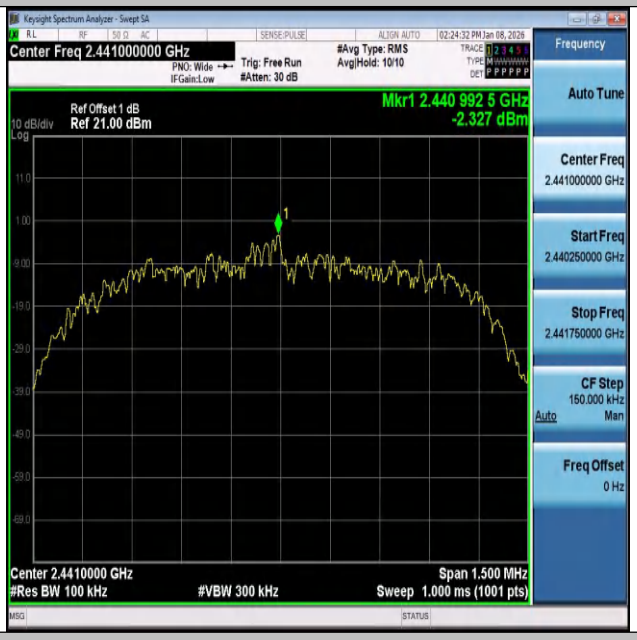

3DH5-Ant1-2441-0~Reference-PASS

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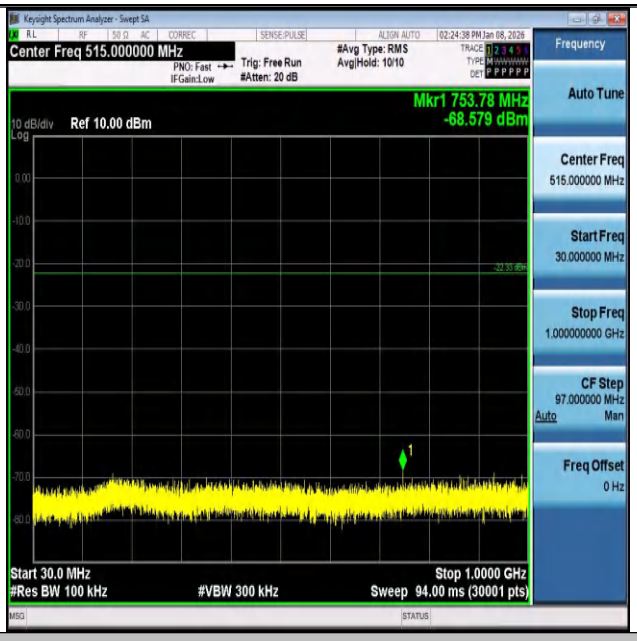

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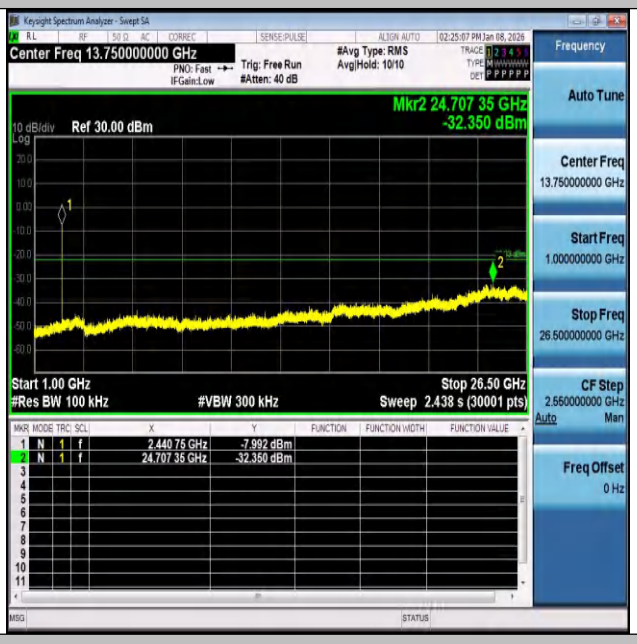

3DH5-Ant1-2441-1000~26500-PASS

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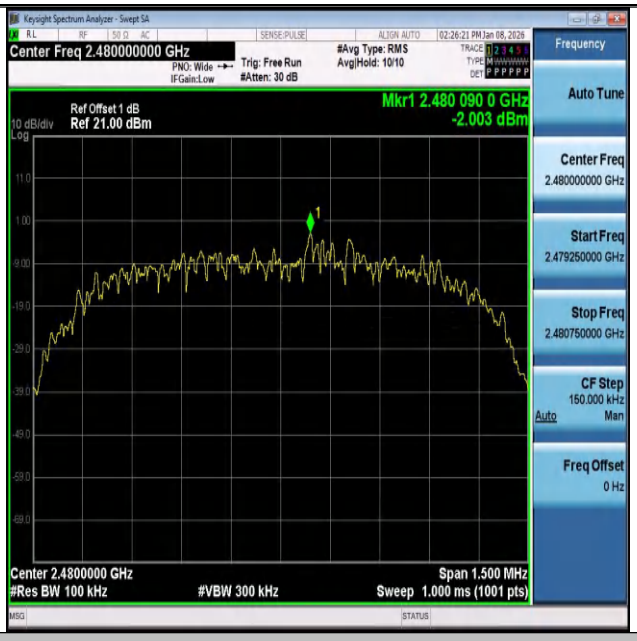
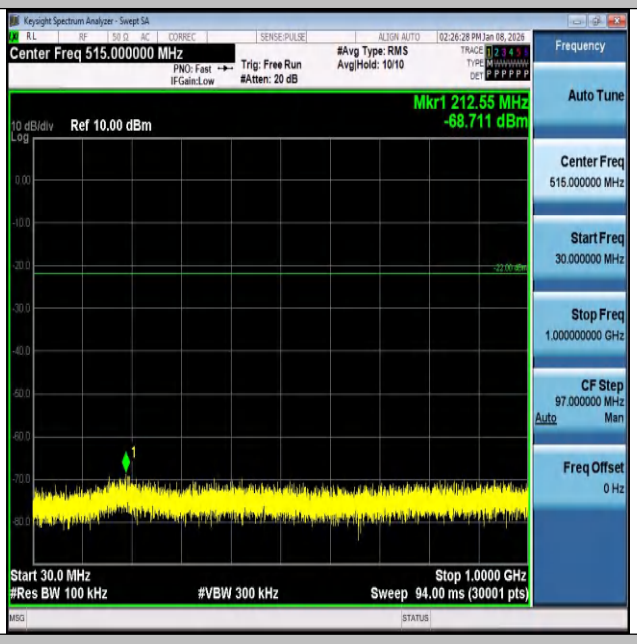


3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS

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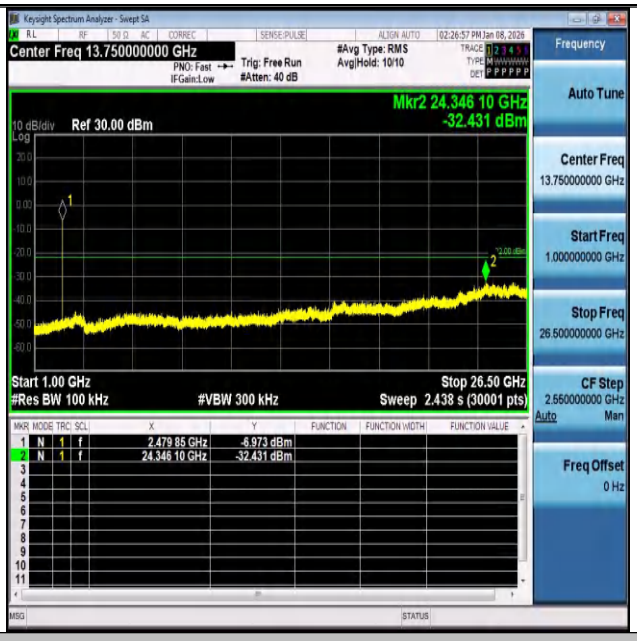

3DH5-Ant1-2480-1000~26500-PASS

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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.90	3.75	77.33	1.12
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

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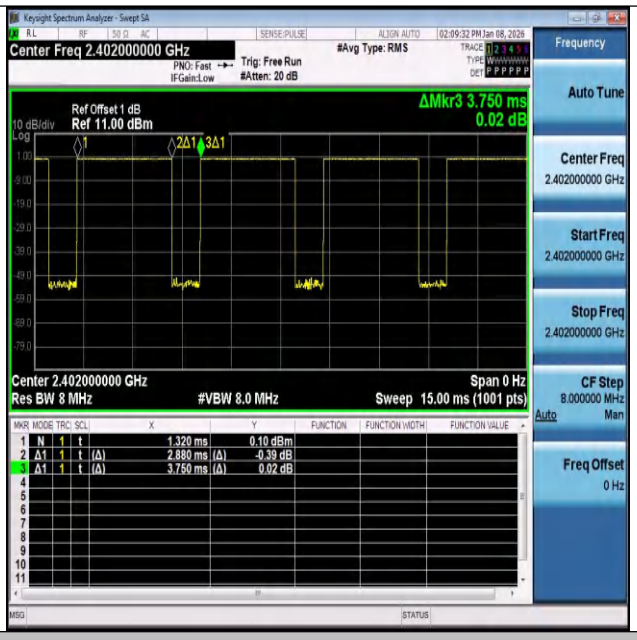
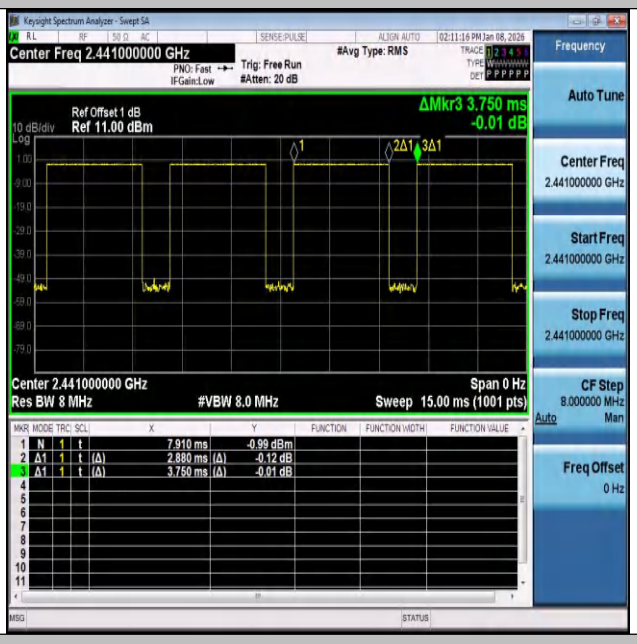
Test Graphs



NTNV-DH5-Ant1-2402



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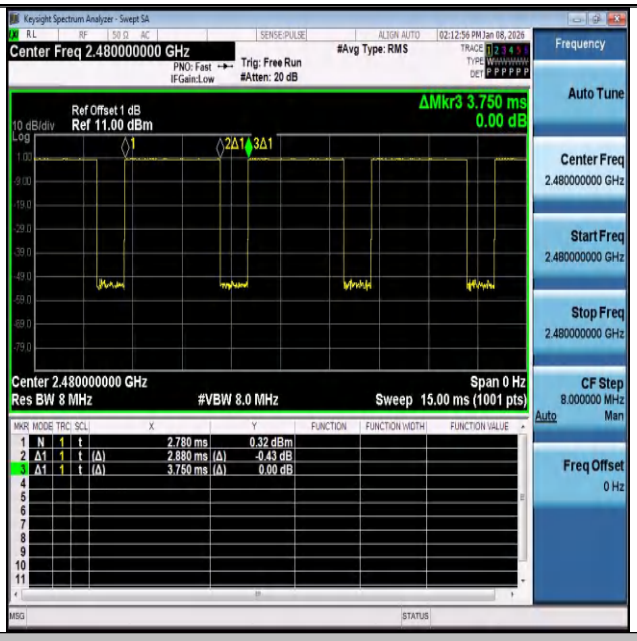

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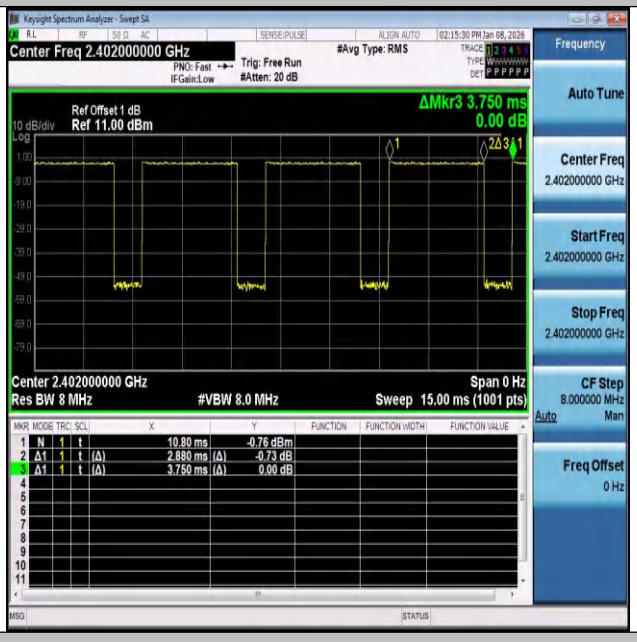

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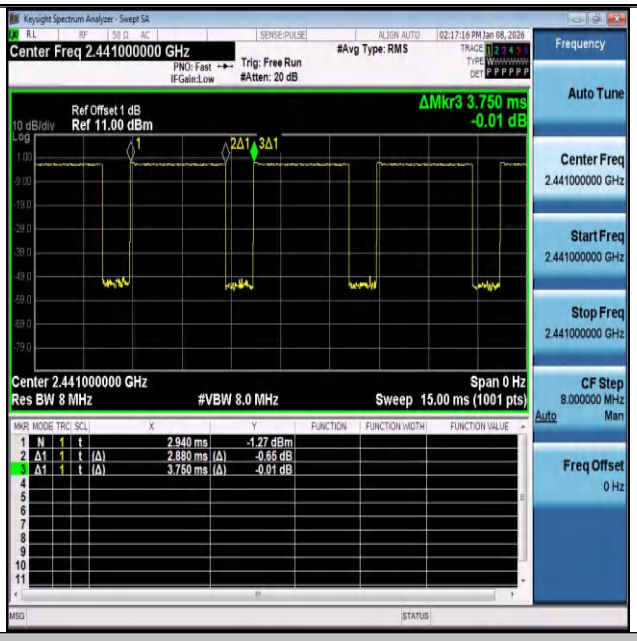

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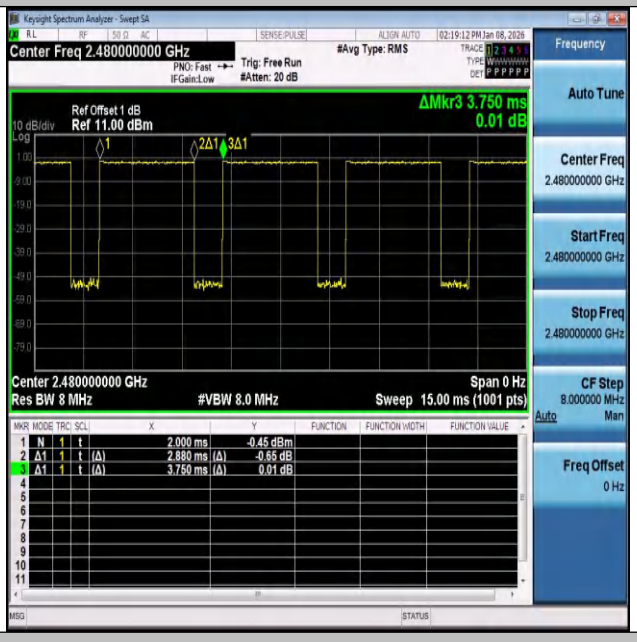

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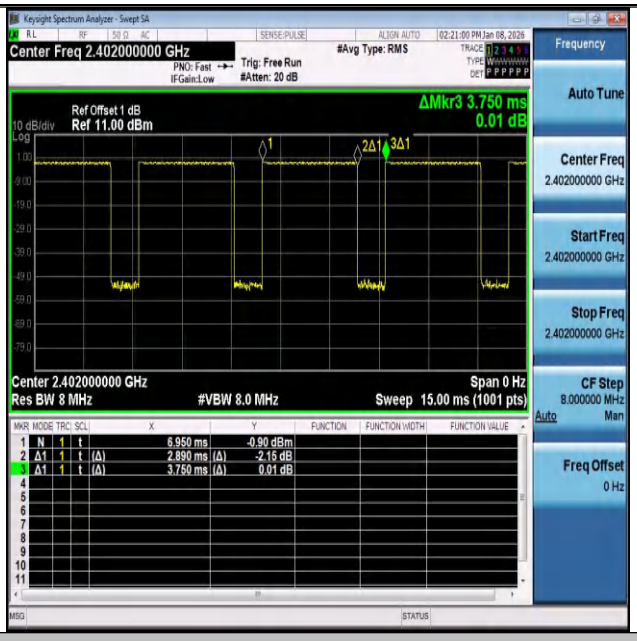

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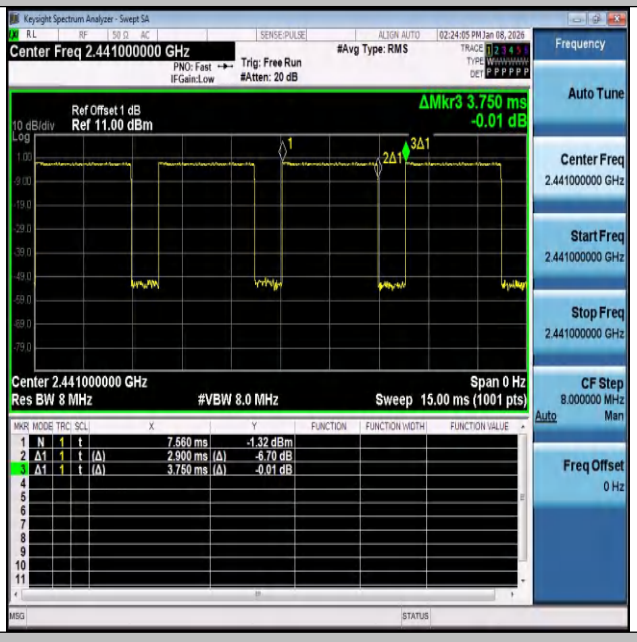

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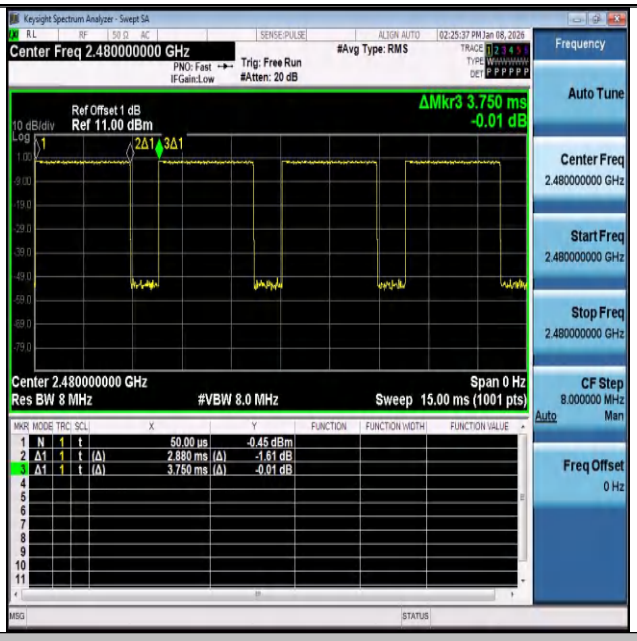

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