Appendix Test Data

Report No.:	1819C60055212501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-5-14	Finish Test Date:	2026-5-19
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24℃	Relative Humidity:	68%
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	0.957	2401.562	2402.519	---	---
DH5	Ant1	2441	0.951	2440.556	2441.507	---	---
DH5	Ant1	2480	0.942	2479.562	2480.504	---	---
2DH5	Ant1	2402	1.329	2401.358	2402.687	---	---
2DH5	Ant1	2441	1.311	2440.367	2441.678	---	---
2DH5	Ant1	2480	1.275	2479.391	2480.666	---	---
3DH5	Ant1	2402	1.266	2401.388	2402.654	---	---
3DH5	Ant1	2441	1.299	2440.379	2441.678	---	---
3DH5	Ant1	2480	1.314	2479.367	2480.681	---	---

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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	0.84382	2401.6050	2402.4488	---	---
DH5	Ant1	2441	0.85025	2440.5956	2441.4459	---	---
DH5	Ant1	2480	0.85264	2479.5918	2480.4444	---	---
2DH5	Ant1	2402	1.1819	2401.4342	2402.6161	---	---
2DH5	Ant1	2441	1.1893	2440.4268	2441.6161	---	---
2DH5	Ant1	2480	1.1910	2479.4249	2480.6159	---	---
3DH5	Ant1	2402	1.1861	2401.4394	2402.6255	---	---
3DH5	Ant1	2441	1.1876	2440.4298	2441.6174	---	---
3DH5	Ant1	2480	1.1718	2479.4390	2480.6108	---	---

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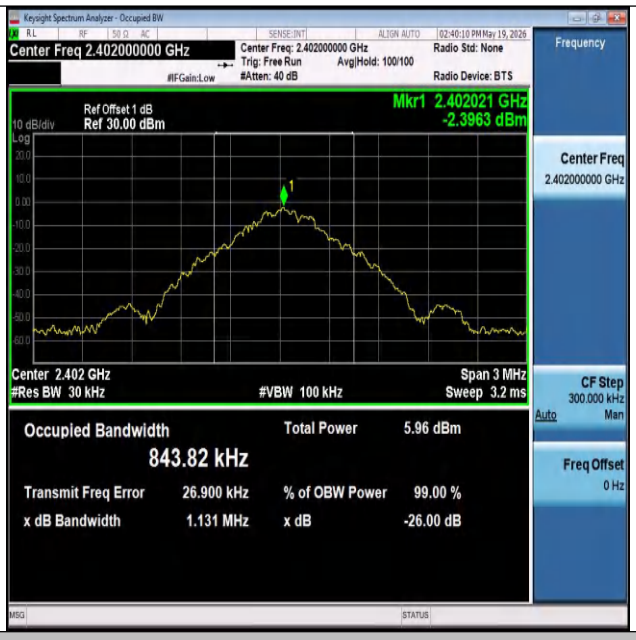
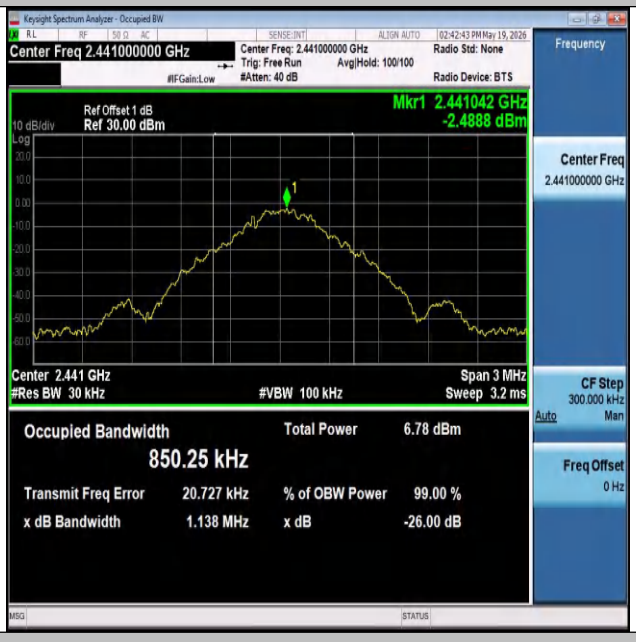
Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441

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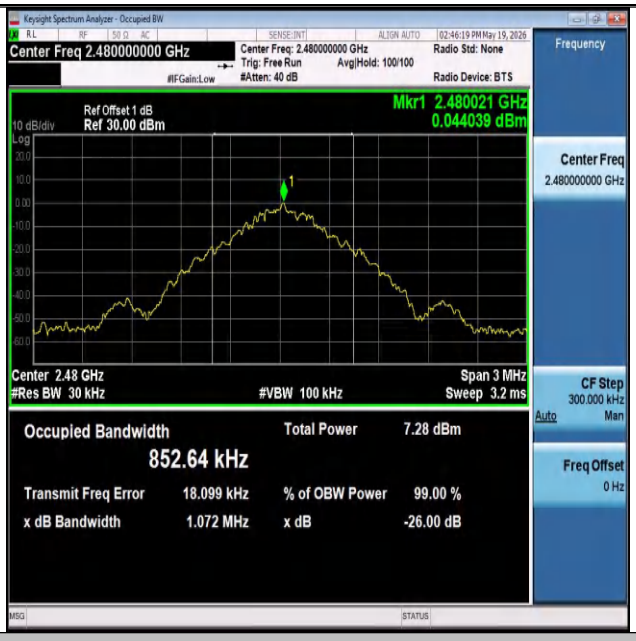
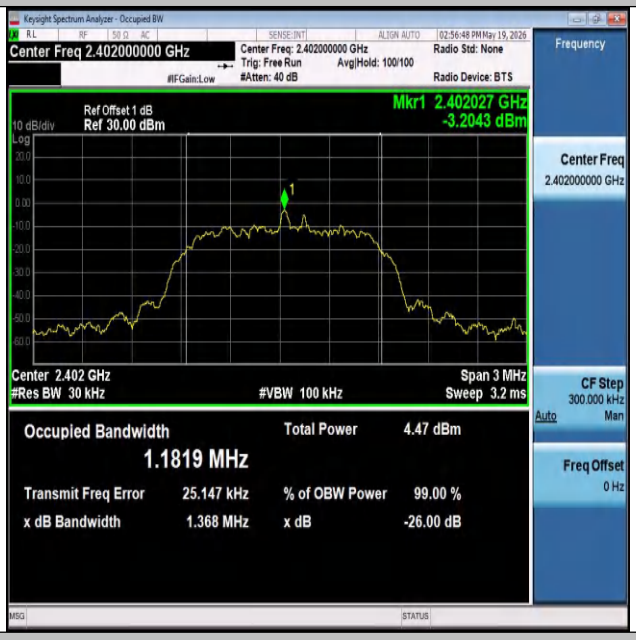


DH5-Ant1-2480



2DH5-Ant1-2402

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2DH5-Ant1-2441

2DH5-Ant1-2480

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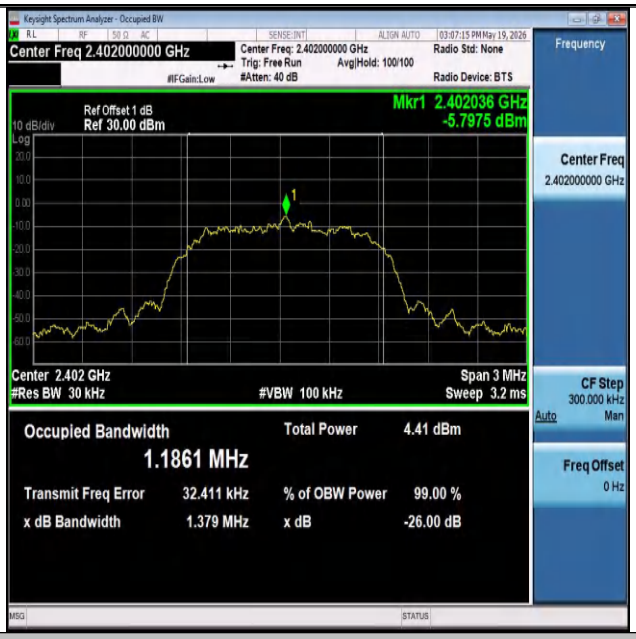

3DH5-Ant1-2402

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	-0.68	≤20.97	PASS
DH5	Ant1	2441	0.37	≤20.97	PASS
DH5	Ant1	2480	0.75	≤20.97	PASS
2DH5	Ant1	2402	-0.43	≤20.97	PASS
2DH5	Ant1	2441	0.54	≤20.97	PASS
2DH5	Ant1	2480	0.93	≤20.97	PASS
3DH5	Ant1	2402	-0.01	≤20.97	PASS
3DH5	Ant1	2441	0.99	≤20.97	PASS
3DH5	Ant1	2480	**1.41**	≤20.97	PASS

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Test Graphs

DH5-Ant1-2402-PASS

DH5-Ant1-2441-PASS

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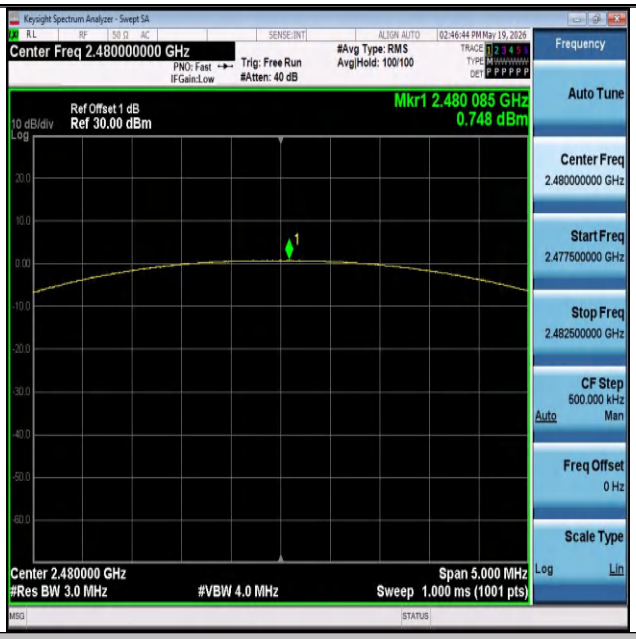
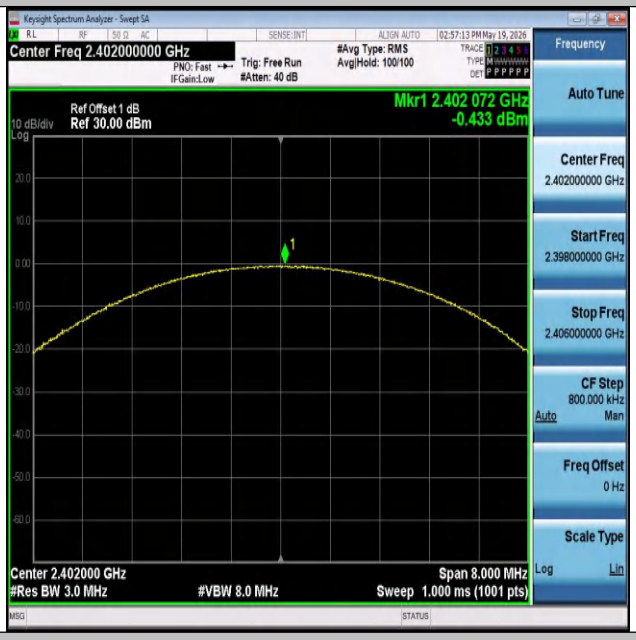


DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS

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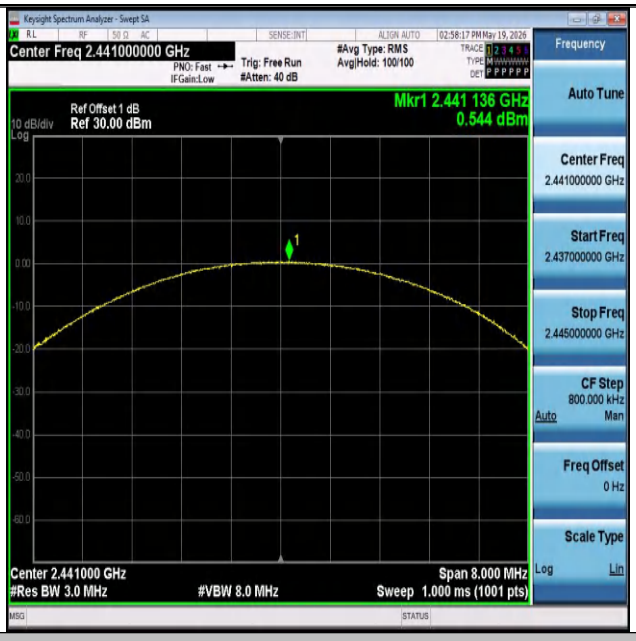
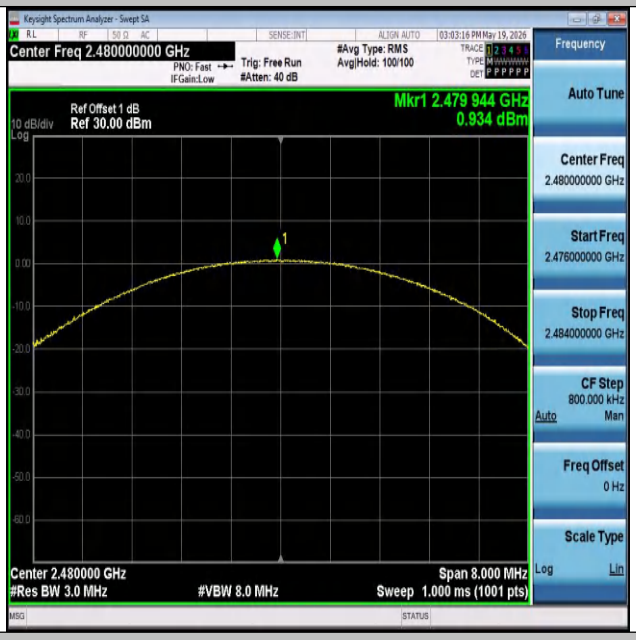


2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS

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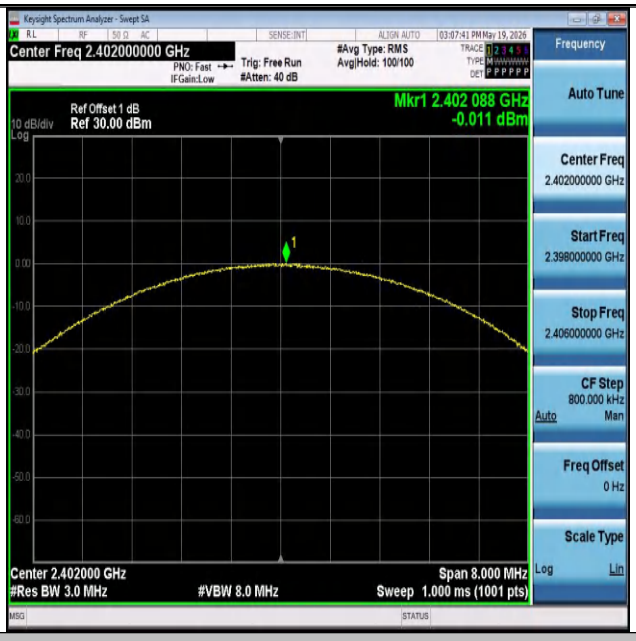
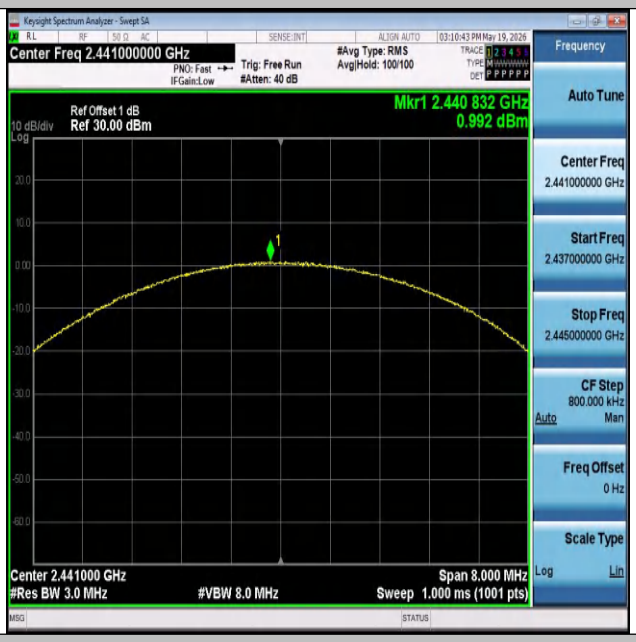


3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

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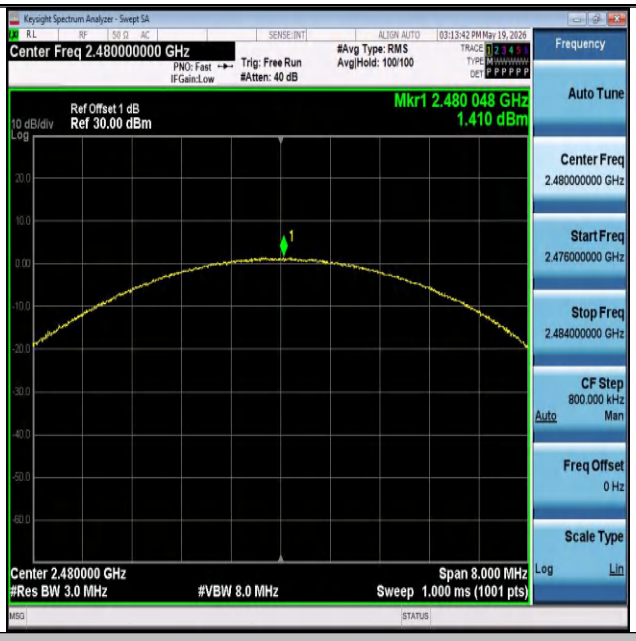

3DH5-Ant1-2480-PASS

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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥0.957	PASS
2DH5	Ant1	Hop	1.006	≥0.886	PASS
3DH5	Ant1	Hop	0.998	≥0.876	PASS

Note: For conducted power less than 0.125 W(20.97 dBm), the limit can be set using hopping channel carrier frequencies that are separated by 25 kHz or two thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

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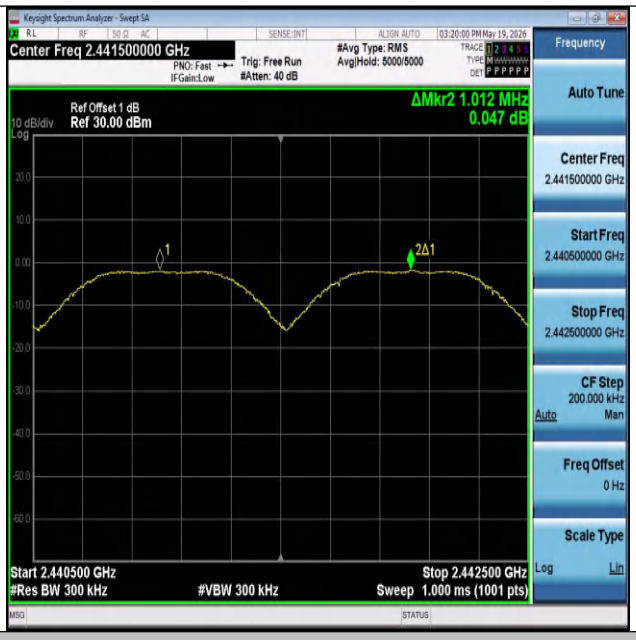
Test Graphs



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	2.915	121	0.353	≤0.4	PASS
2DH5	Ant1	Hop	2.920	115	0.336	≤0.4	PASS
3DH5	Ant1	Hop	2.923	116	0.339	≤0.4	PASS

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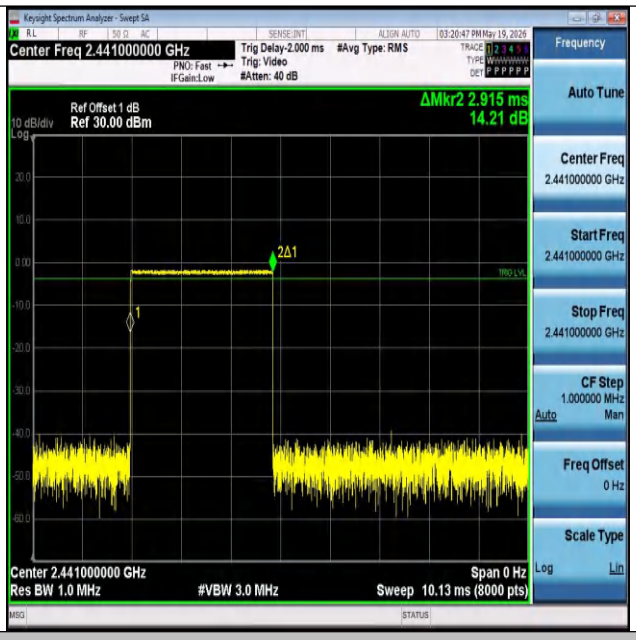
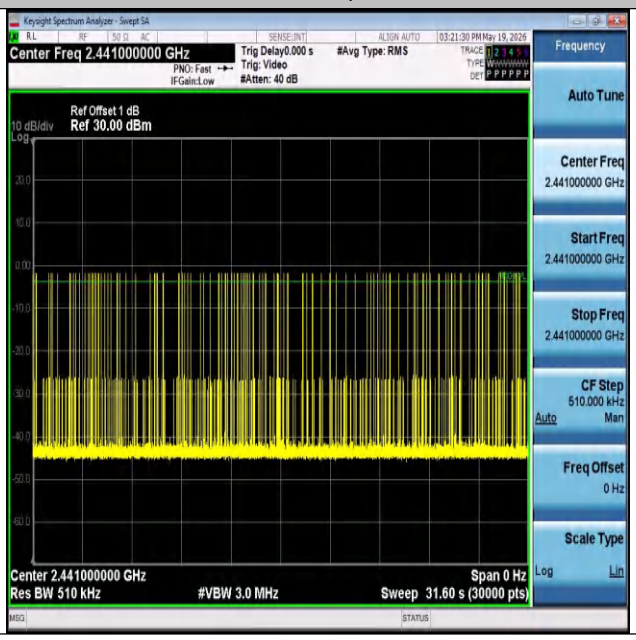
Test Graphs



DH5-Ant1-Hop-PASS



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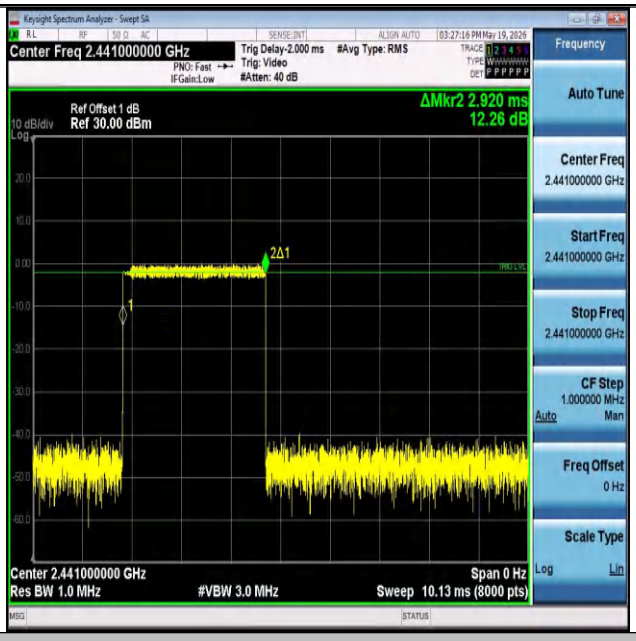
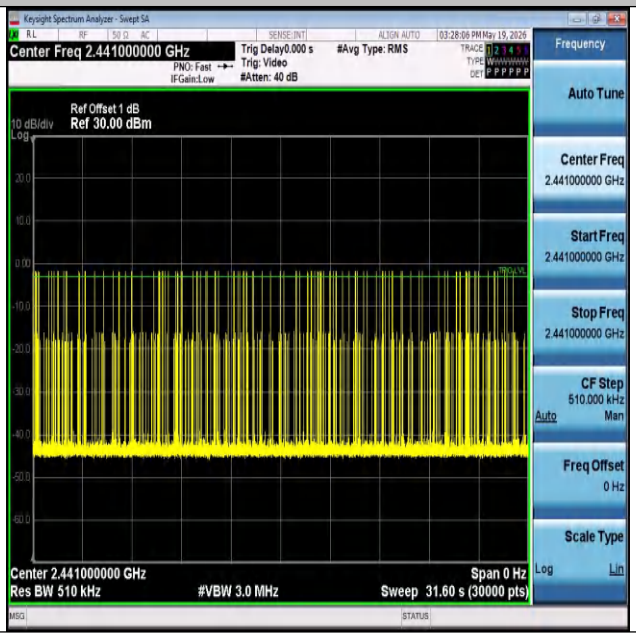


2DH5-Ant1-Hop-PASS



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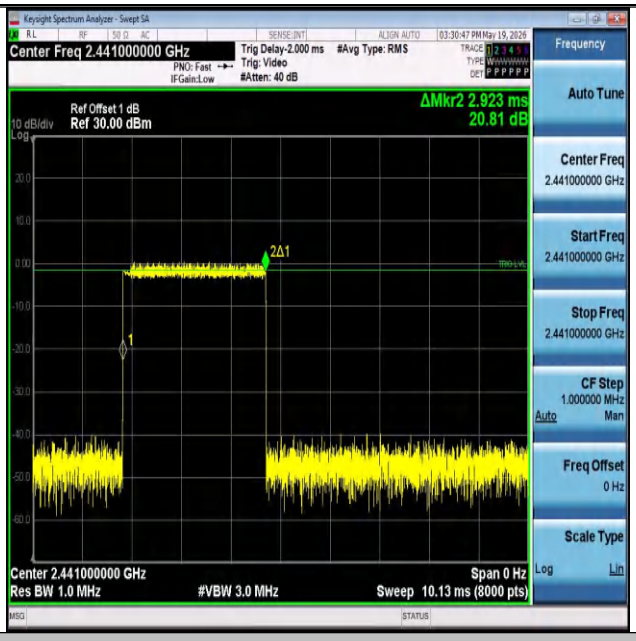

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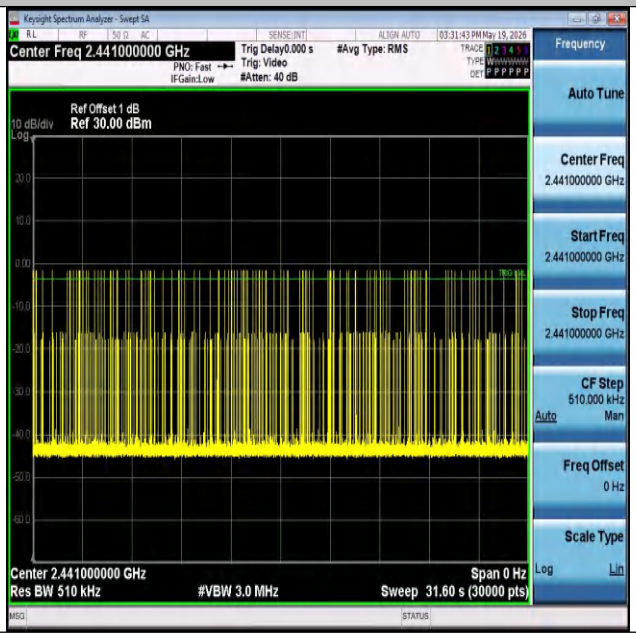

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Appendix F: Number of Hopping Channel

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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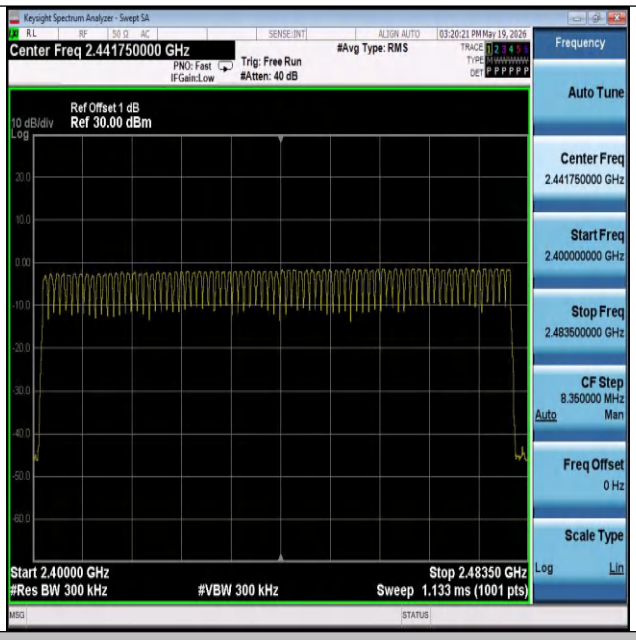
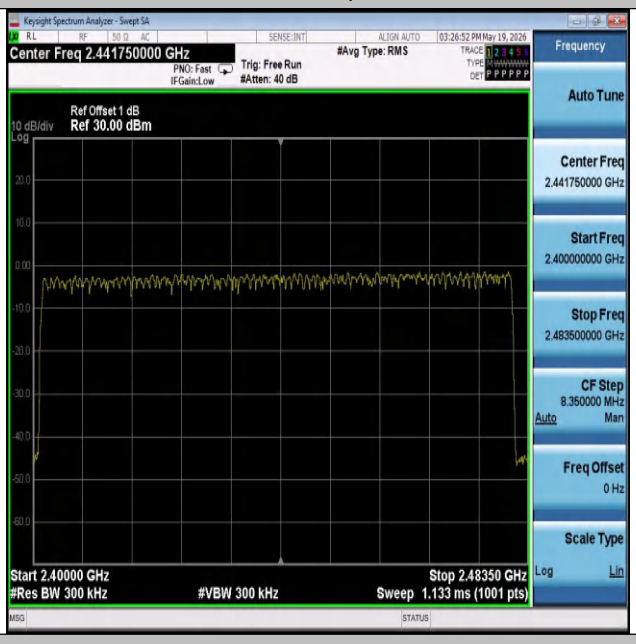
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS

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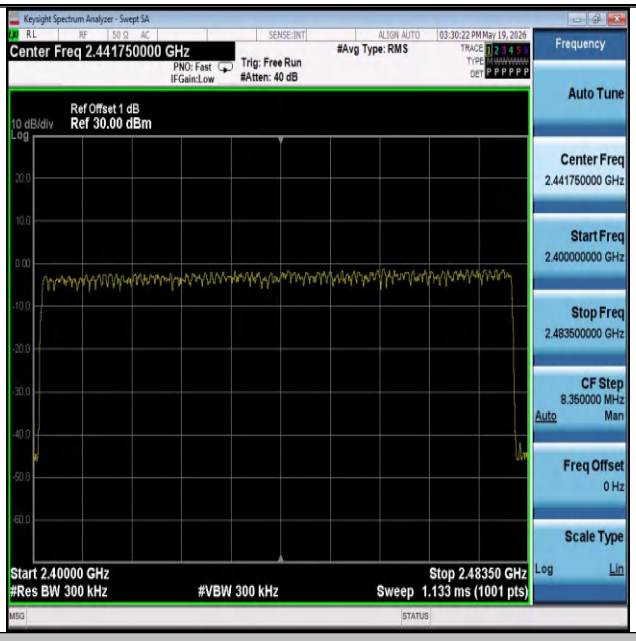

3DH5-Ant1-Hop-PASS

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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	-0.76	-51.78	≤-20.76	PASS
DH5	Ant1	High	2480	0.38	-55.58	≤-19.62	PASS
DH5	Ant1	Low	Hop_2402	-3.60	-58.28	≤-23.6	PASS
DH5	Ant1	High	Hop_2480	-1.76	-56.89	≤-21.76	PASS
2DH5	Ant1	Low	2402	-2.78	-53.79	≤-22.78	PASS
2DH5	Ant1	High	2480	-1.44	-56.76	≤-21.44	PASS
2DH5	Ant1	Low	Hop_2402	-5.43	-58.07	≤-25.43	PASS
2DH5	Ant1	High	Hop_2480	-2.20	-57.29	≤-22.2	PASS
3DH5	Ant1	Low	2402	-2.72	-53.02	≤-22.72	PASS
3DH5	Ant1	High	2480	-1.40	-56.83	≤-21.4	PASS
3DH5	Ant1	Low	Hop_2402	-3.10	-57.43	≤-23.1	PASS
3DH5	Ant1	High	Hop_2480	-1.77	-57.8	≤-21.77	PASS

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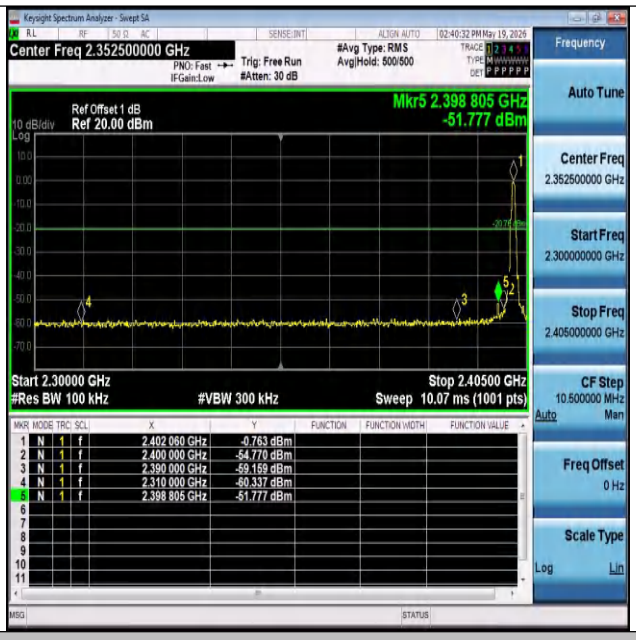
Test Graphs



DH5-Ant1-2402-PASS

DH5-Ant1-2480-PASS

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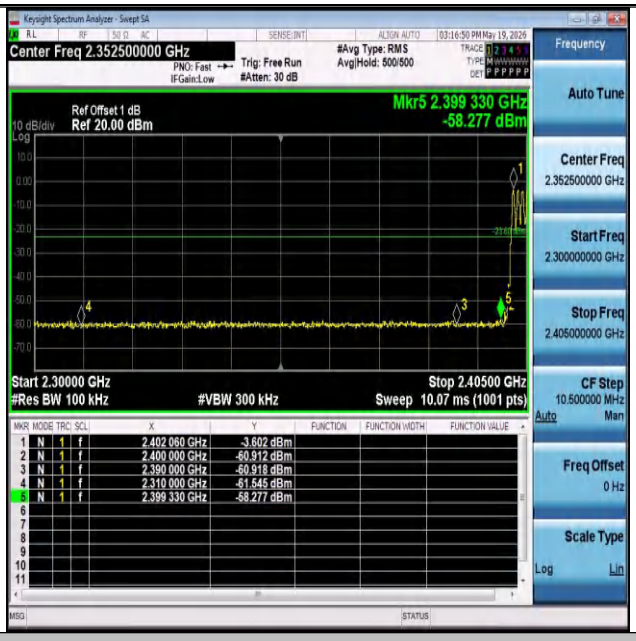
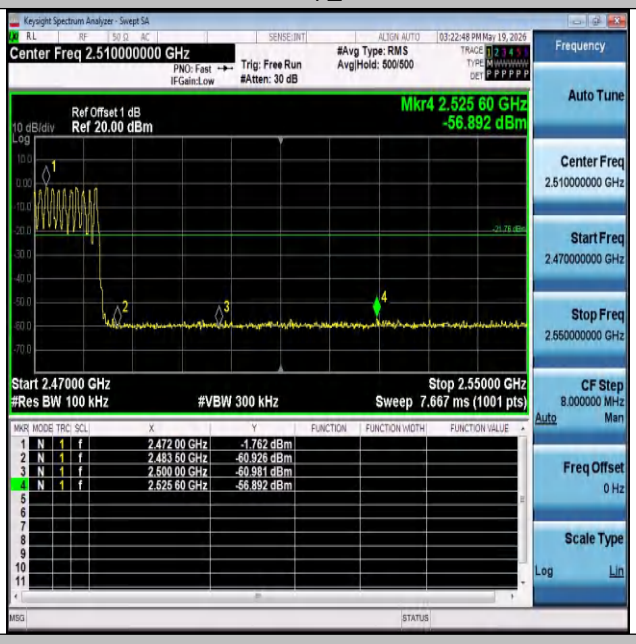


DH5-Ant1-Hop_2402-PASS



DH5-Ant1-Hop_2480-PASS

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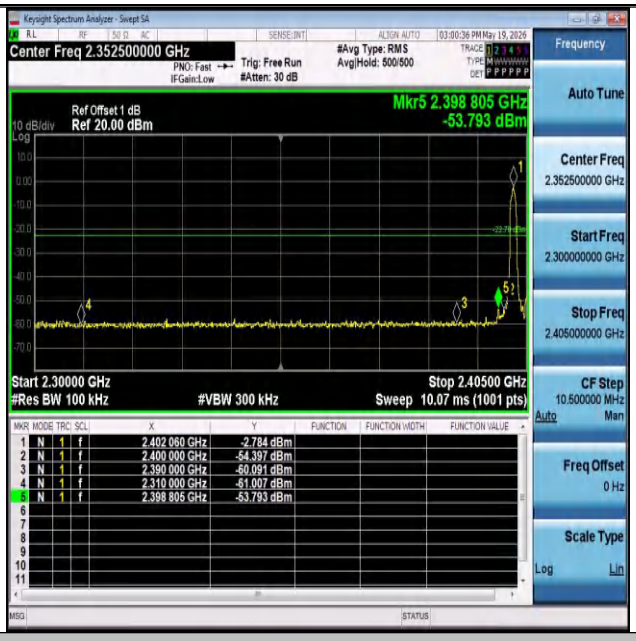

2DH5-Ant1-2402-PASS

2DH5-Ant1-2480-PASS

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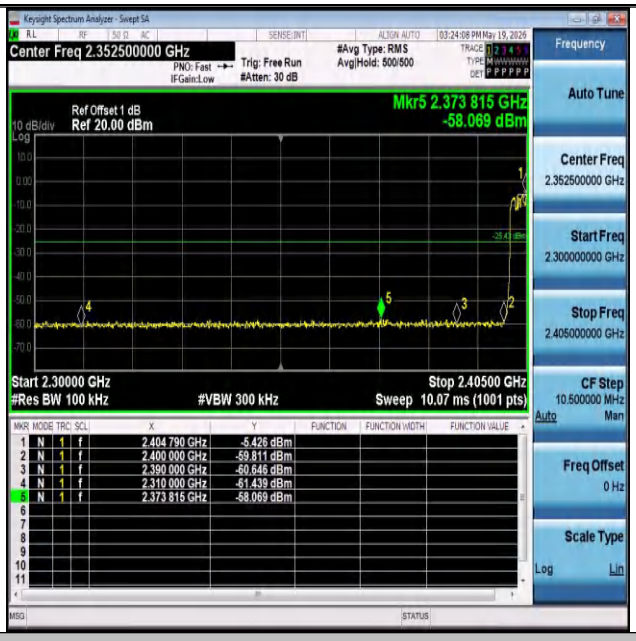
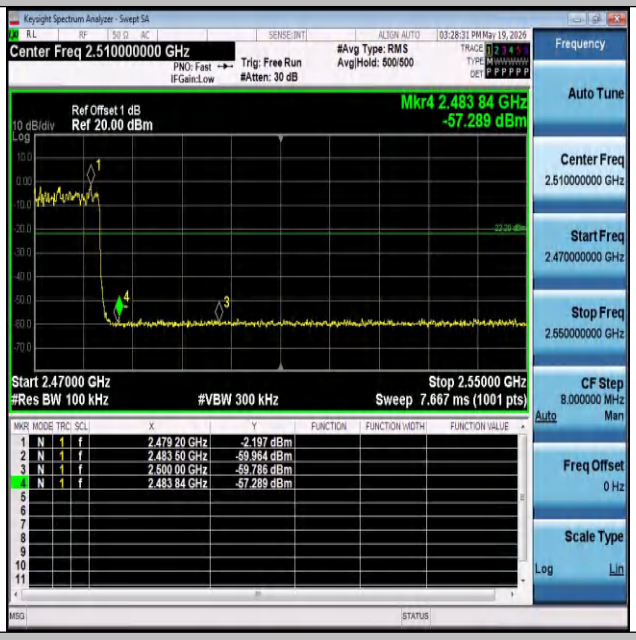


2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS

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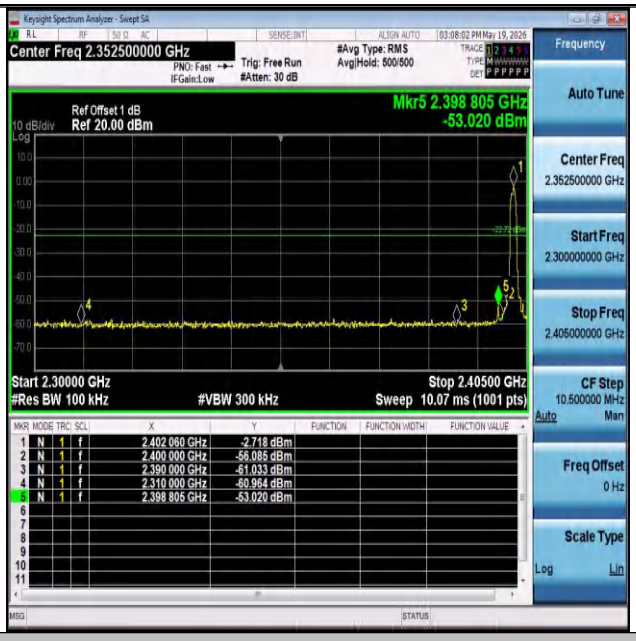

3DH5-Ant1-2402-PASS

3DH5-Ant1-2480-PASS

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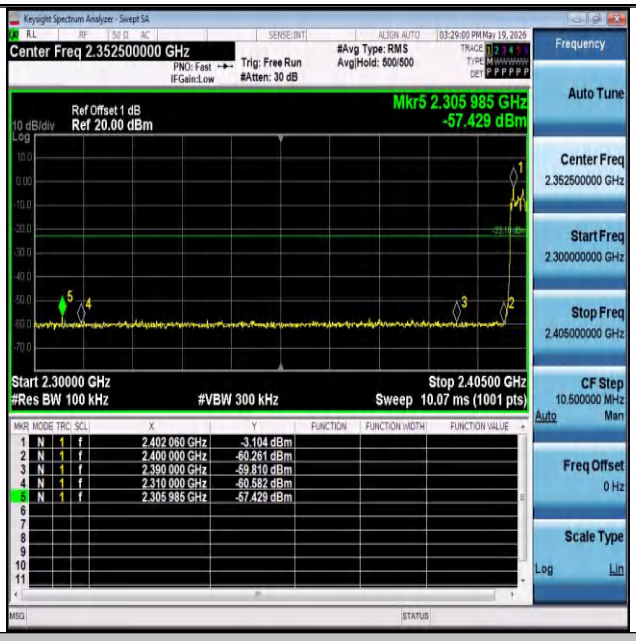

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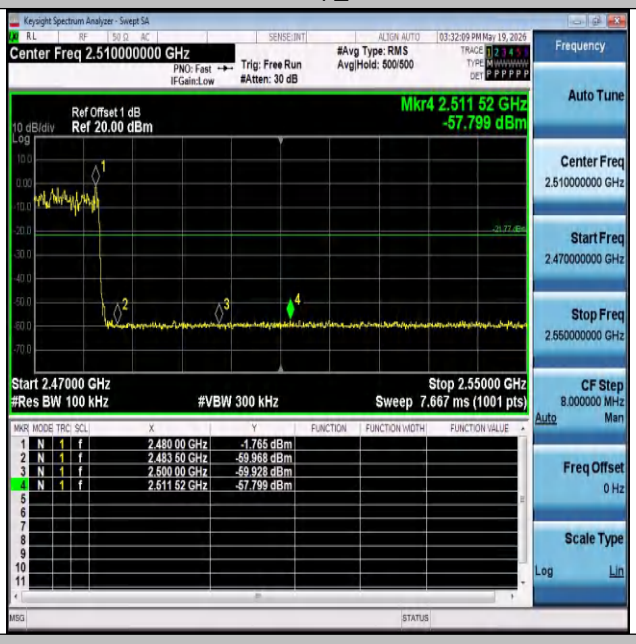

3DH5-Ant1-Hop_2480-PASS

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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	-1.32	-1.32	---	PASS
DH5	Ant1	2402	30~1000	-1.32	-59.62	≤-21.32	PASS
DH5	Ant1	2402	1000~26500	-1.32	-41.55	≤-21.32	PASS
DH5	Ant1	2441	0~Reference	-0.05	-0.05	---	PASS
DH5	Ant1	2441	30~1000	-0.05	-59.19	≤-20.05	PASS
DH5	Ant1	2441	1000~26500	-0.05	-39.42	≤-20.05	PASS
DH5	Ant1	2480	0~Reference	0.55	0.55	---	PASS
DH5	Ant1	2480	30~1000	0.55	-59.24	≤-19.45	PASS
DH5	Ant1	2480	1000~26500	0.55	-40.11	≤-19.45	PASS
2DH5	Ant1	2402	0~Reference	-3.54	-3.54	---	PASS
2DH5	Ant1	2402	30~1000	-3.54	-59.21	≤-23.54	PASS
2DH5	Ant1	2402	1000~26500	-3.54	-44.25	≤-23.54	PASS
2DH5	Ant1	2441	0~Reference	-2.64	-2.64	---	PASS
2DH5	Ant1	2441	30~1000	-2.64	-58.28	≤-22.64	PASS
2DH5	Ant1	2441	1000~26500	-2.64	-45.73	≤-22.64	PASS
2DH5	Ant1	2480	0~Reference	-2.03	-2.03	---	PASS
2DH5	Ant1	2480	30~1000	-2.03	-59.41	≤-22.03	PASS
2DH5	Ant1	2480	1000~26500	-2.03	-43.75	≤-22.03	PASS
3DH5	Ant1	2402	0~Reference	-2.84	-2.84	---	PASS
3DH5	Ant1	2402	30~1000	-2.84	-58.52	≤-22.84	PASS
3DH5	Ant1	2402	1000~26500	-2.84	-44.2	≤-22.84	PASS
3DH5	Ant1	2441	0~Reference	-1.93	-1.93	---	PASS
3DH5	Ant1	2441	30~1000	-1.93	-59.22	≤-21.93	PASS
3DH5	Ant1	2441	1000~26500	-1.93	-44.12	≤-21.93	PASS
3DH5	Ant1	2480	0~Reference	-1.46	-1.46	---	PASS
3DH5	Ant1	2480	30~1000	-1.46	-58.74	≤-21.46	PASS
3DH5	Ant1	2480	1000~26500	-1.46	-43.49	≤-21.46	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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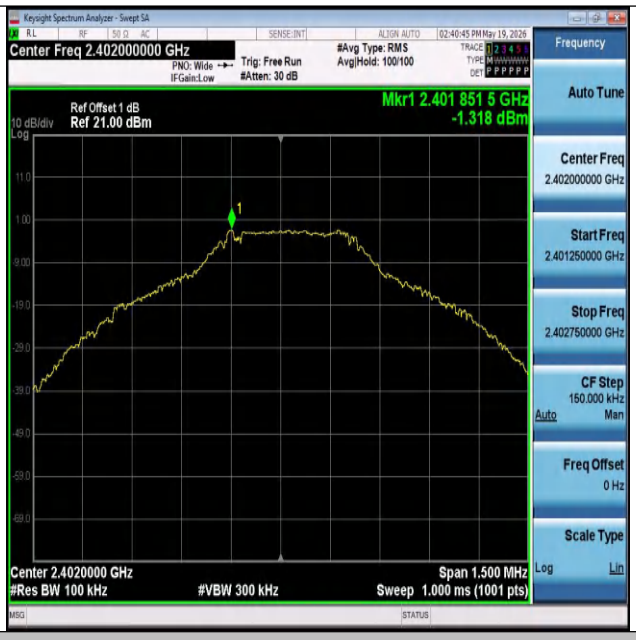
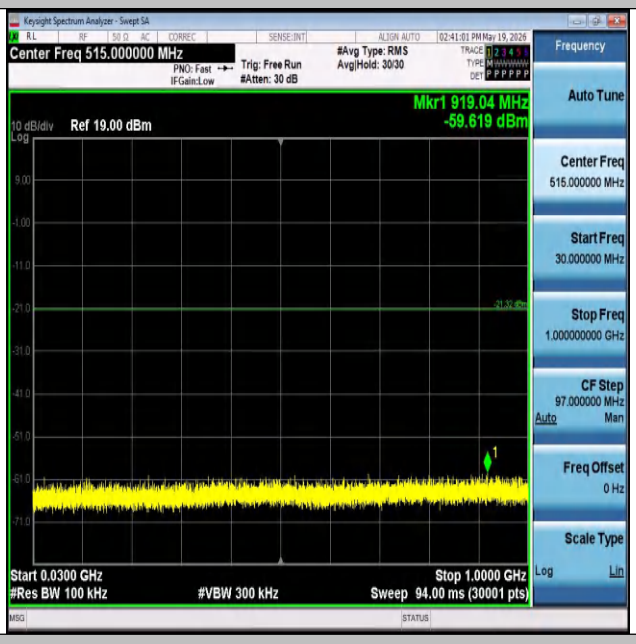
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS

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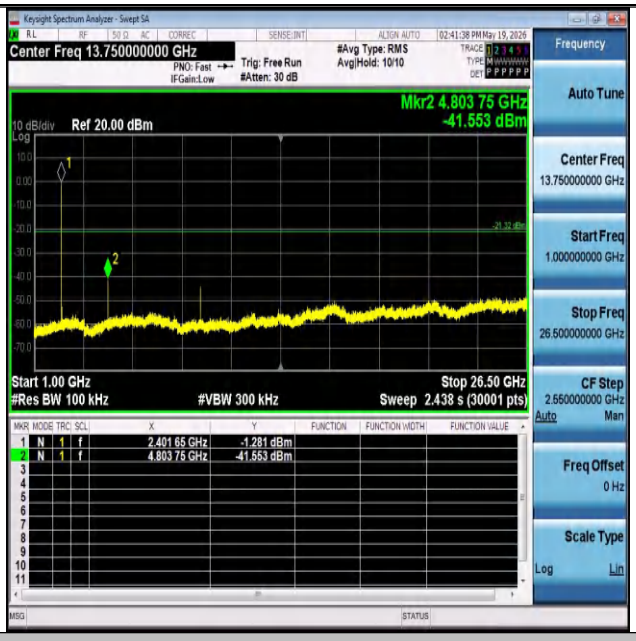
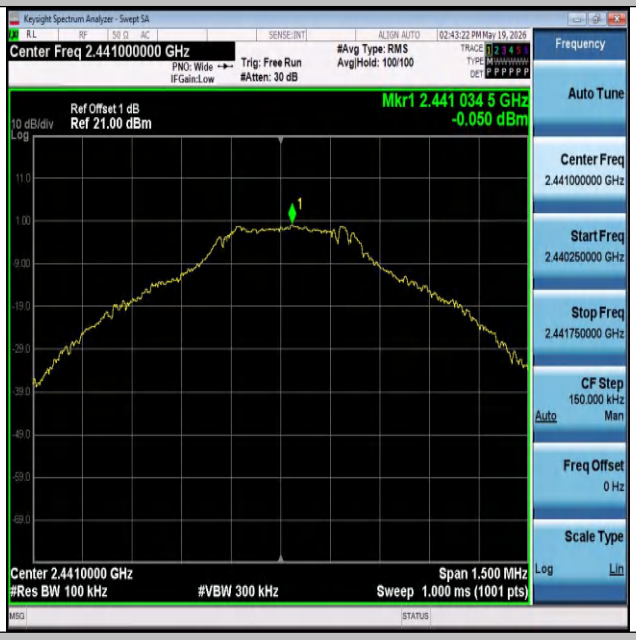


DH5-Ant1-2402-1000~26500-PASS



DH5-Ant1-2441-0~Reference-PASS

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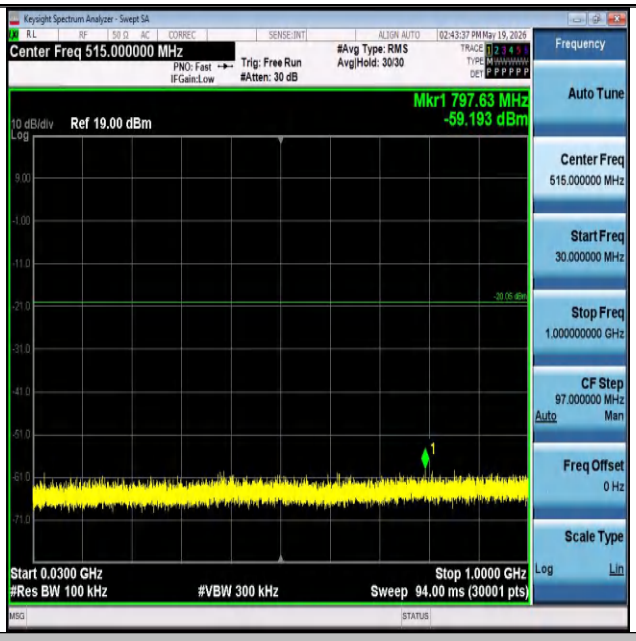
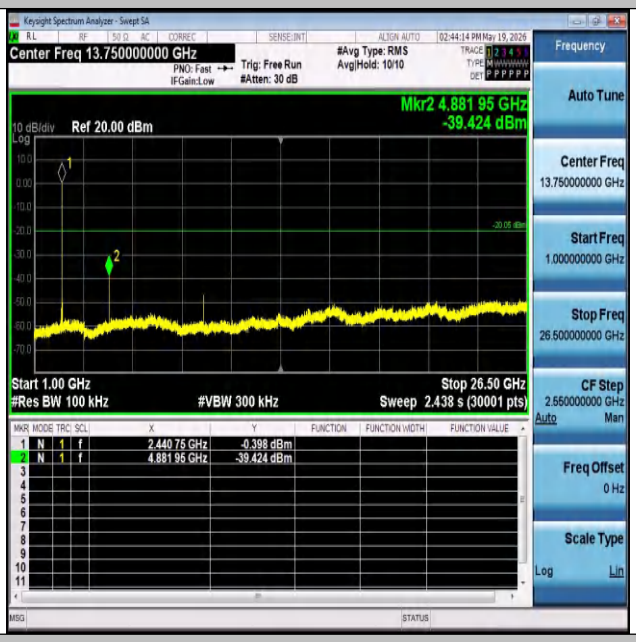


DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS

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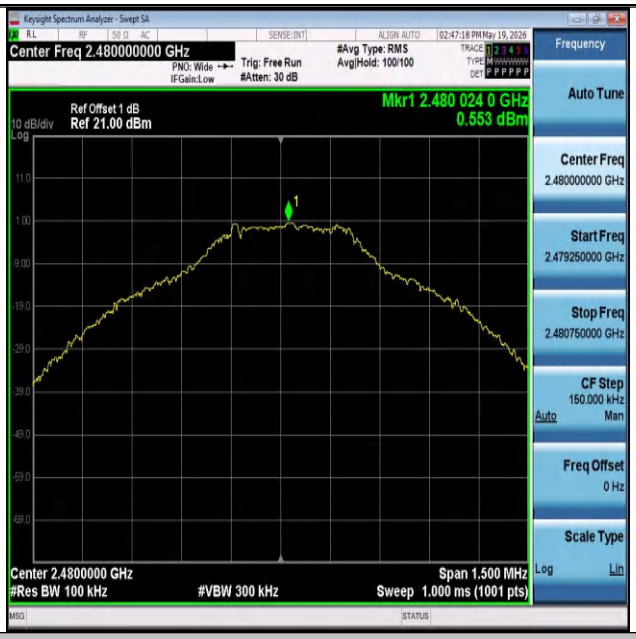
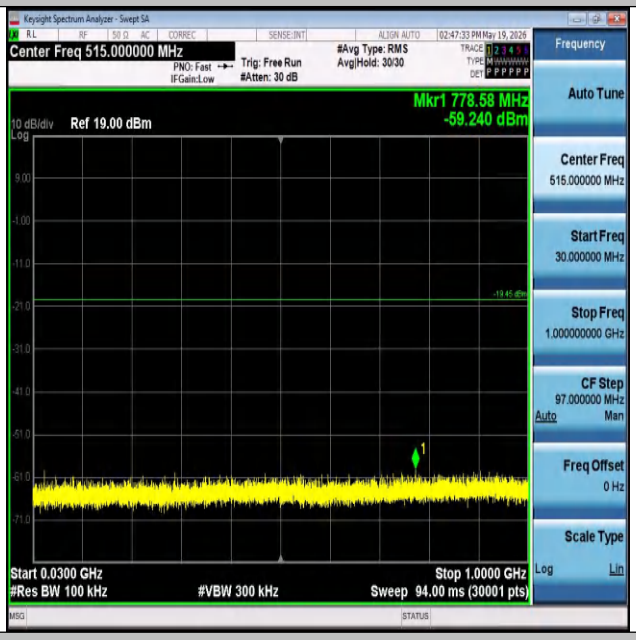


DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS

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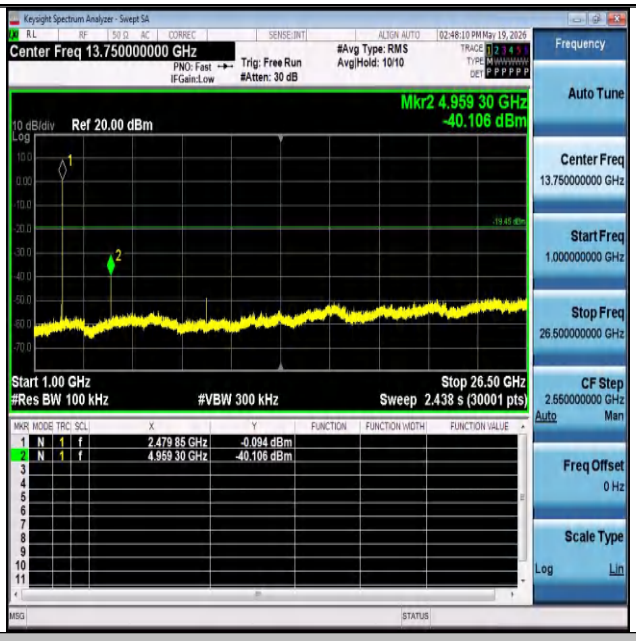
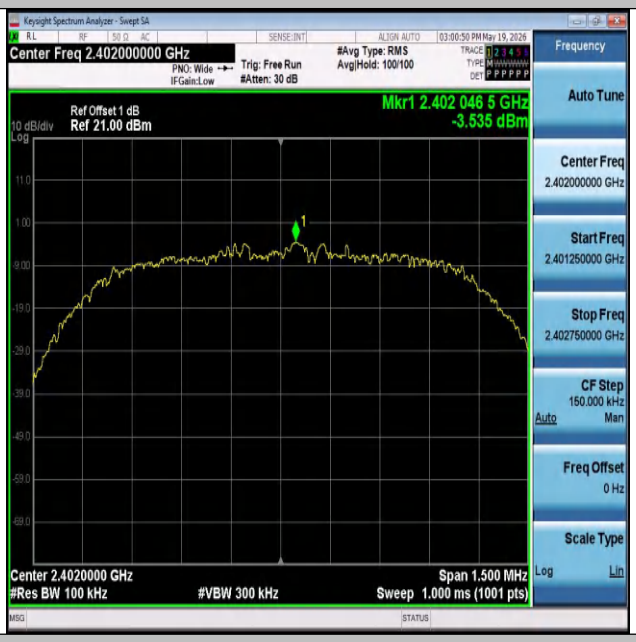


DH5-Ant1-2480-1000~26500-PASS



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

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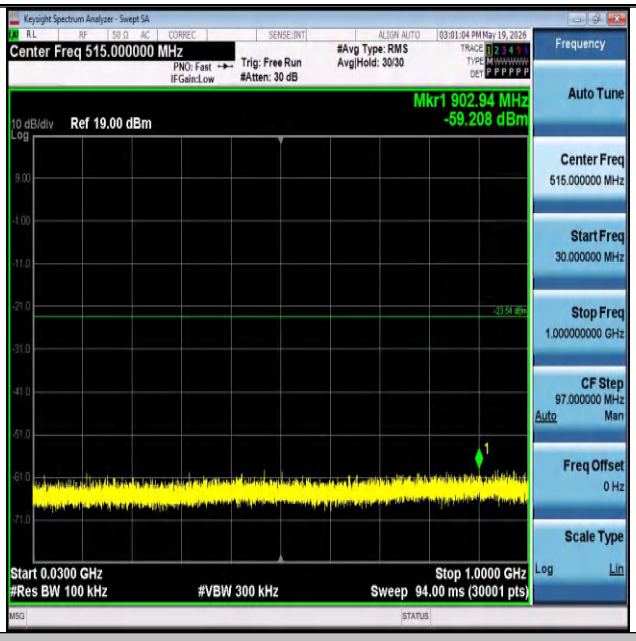
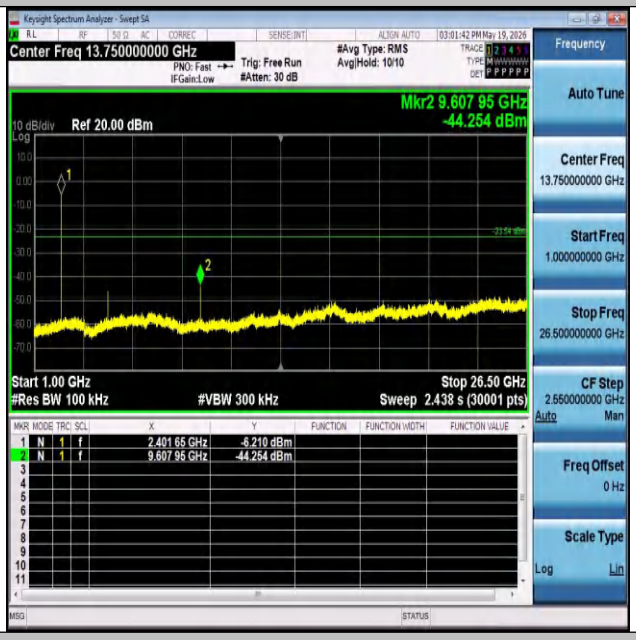


2DH5-Ant1-2402-30~1000-PASS



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

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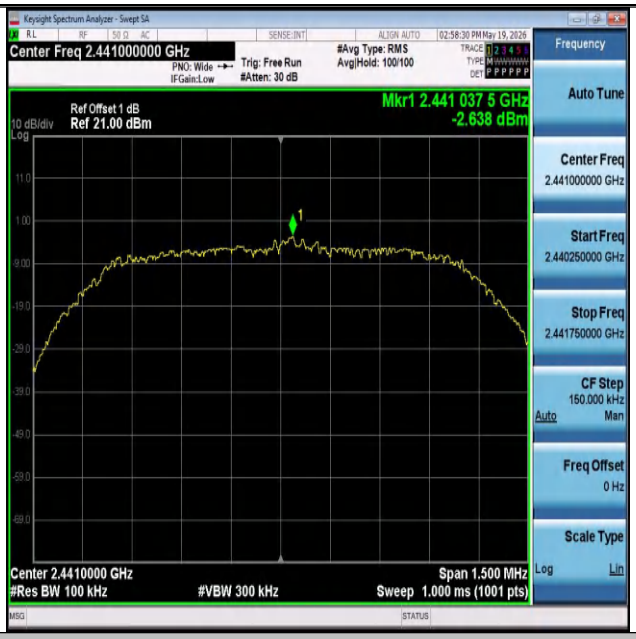

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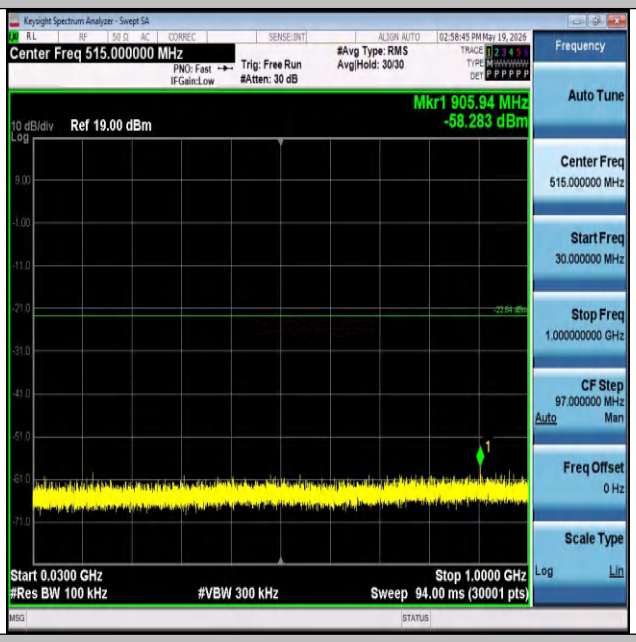

2DH5-Ant1-2441-30~1000-PASS

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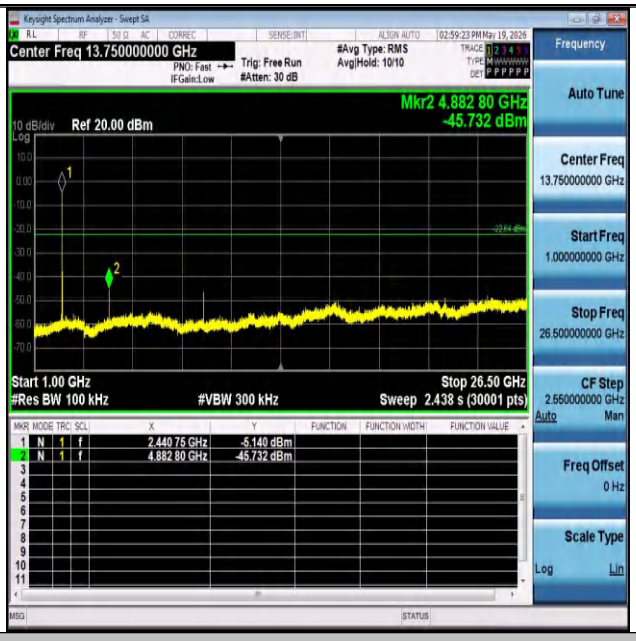

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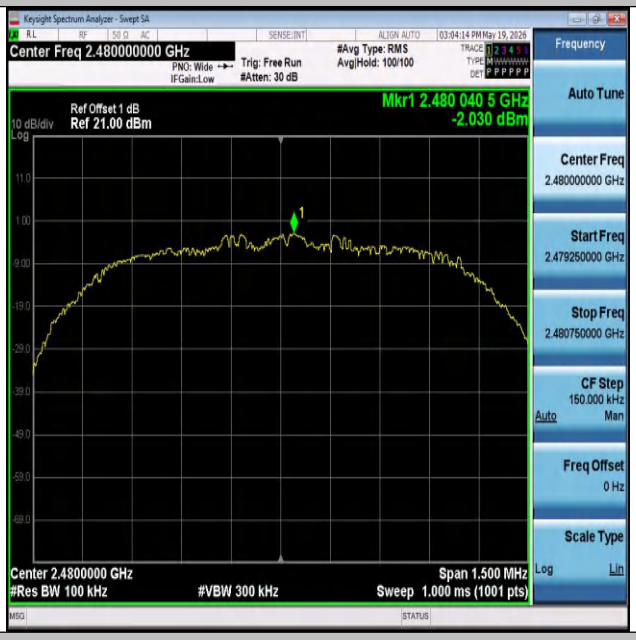

2DH5-Ant1-2480-0~Reference-PASS

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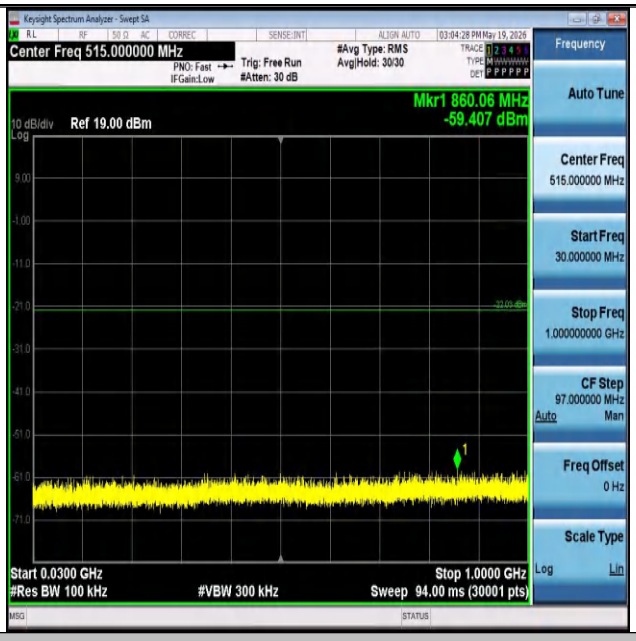
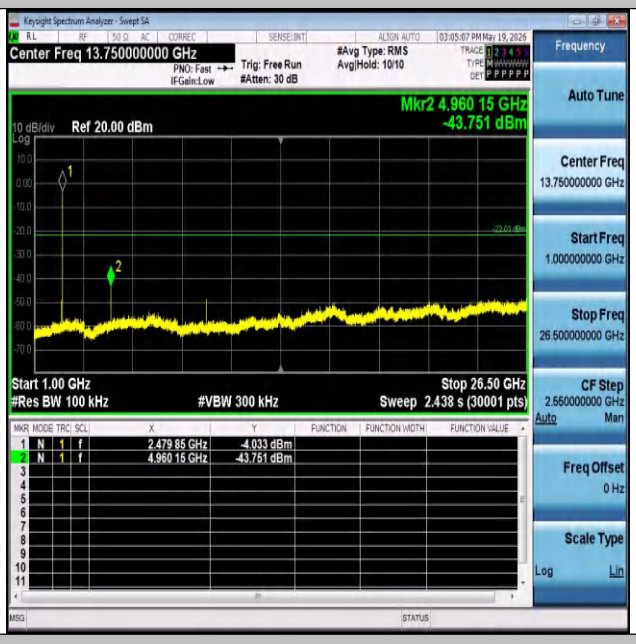


2DH5-Ant1-2480-30~1000-PASS



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

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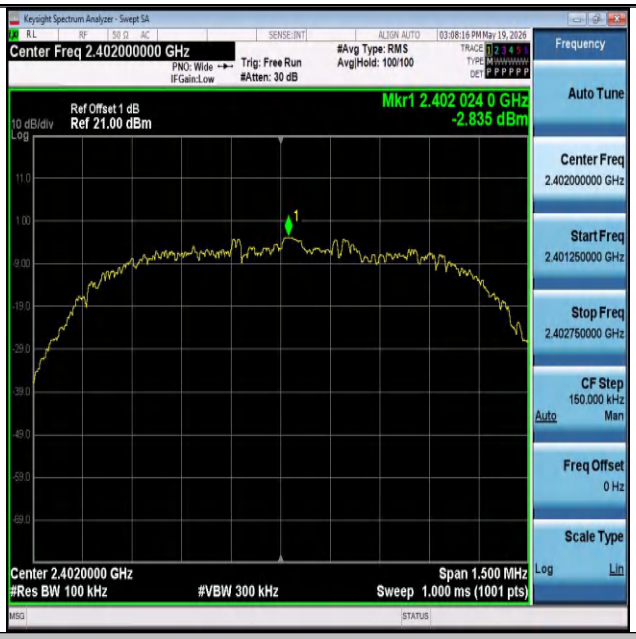
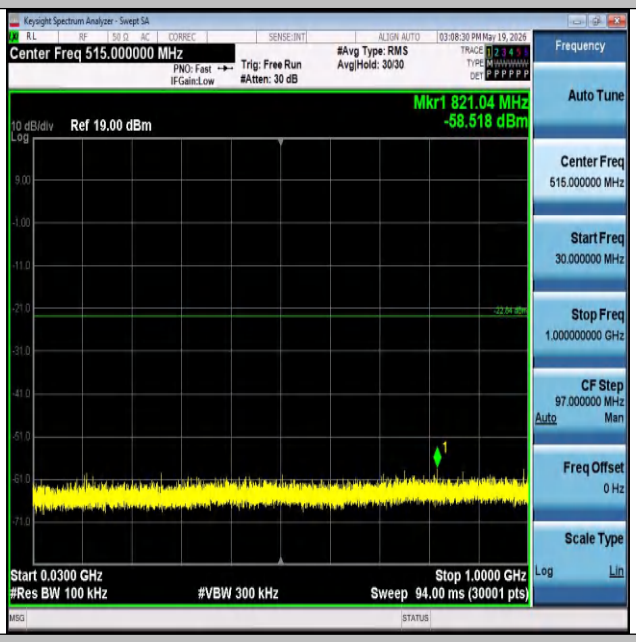


3DH5-Ant1-2402-0~Reference-PASS



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

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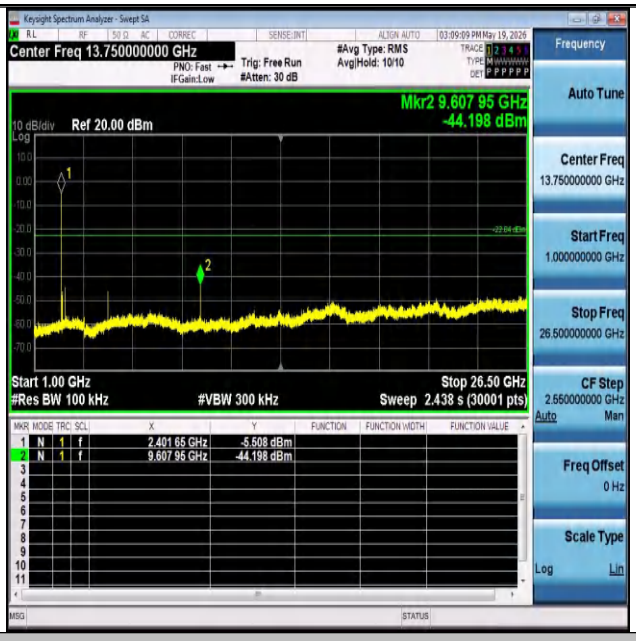

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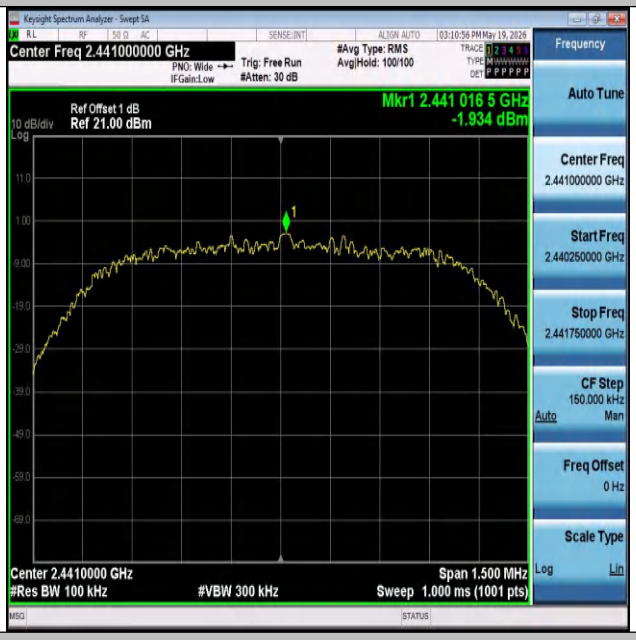

3DH5-Ant1-2441-0~Reference-PASS

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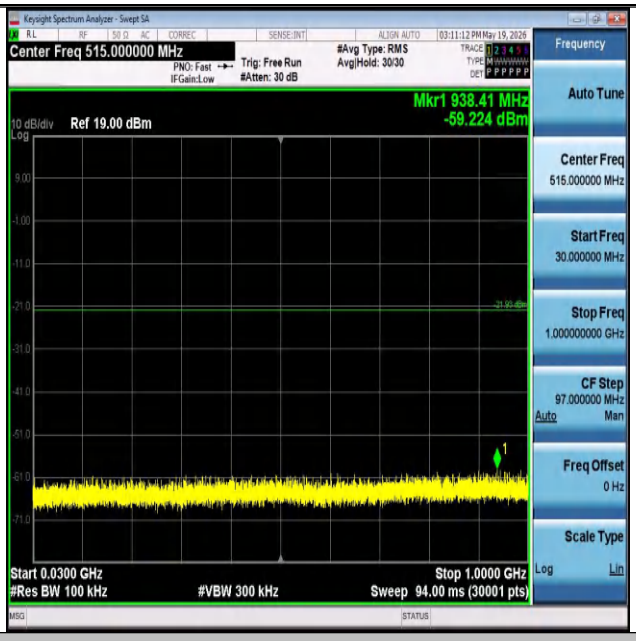
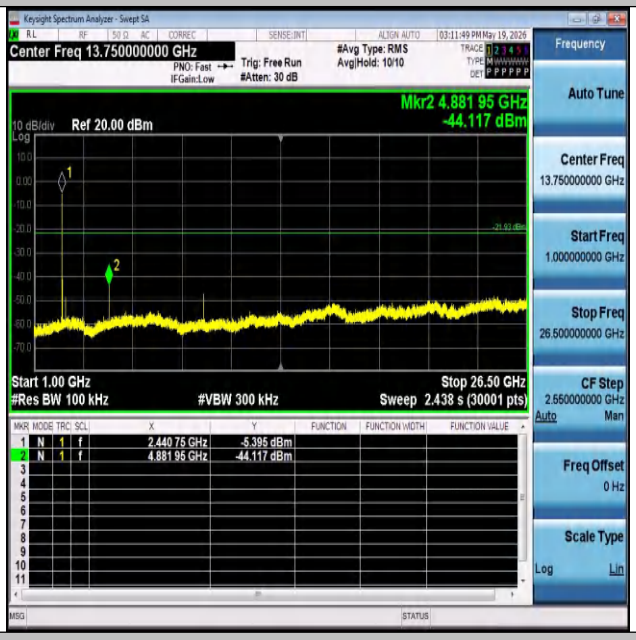


3DH5-Ant1-2441-30~1000-PASS



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

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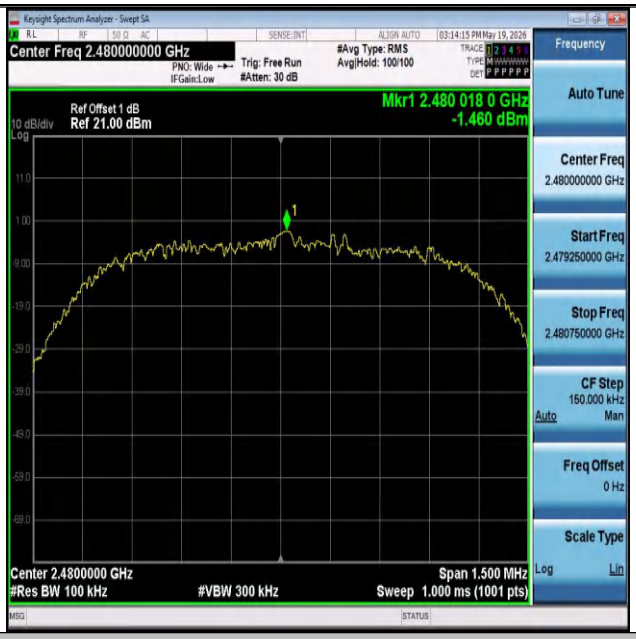

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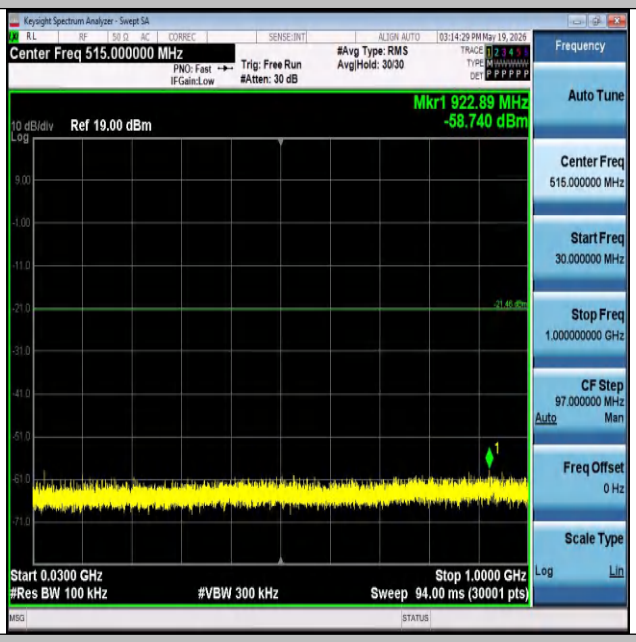

3DH5-Ant1-2480-30~1000-PASS

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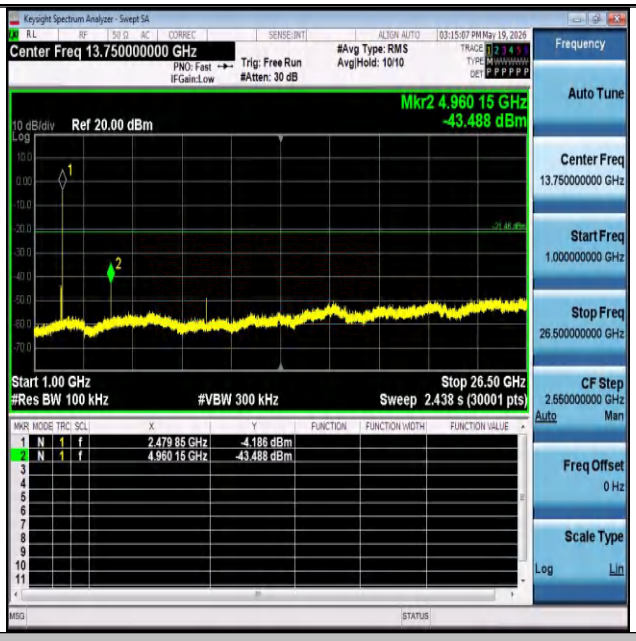

3DH5-Ant1-2480-1000~26500-PASS

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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	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.93	3.75	78.13	1.07
2DH5	Ant1	2402	2.92	3.75	77.87	1.09
2DH5	Ant1	2441	2.93	3.75	78.13	1.07
2DH5	Ant1	2480	2.92	3.75	77.87	1.09
3DH5	Ant1	2402	2.93	3.75	78.13	1.07
3DH5	Ant1	2441	2.93	3.75	78.13	1.07
3DH5	Ant1	2480	2.92	3.75	77.87	1.09

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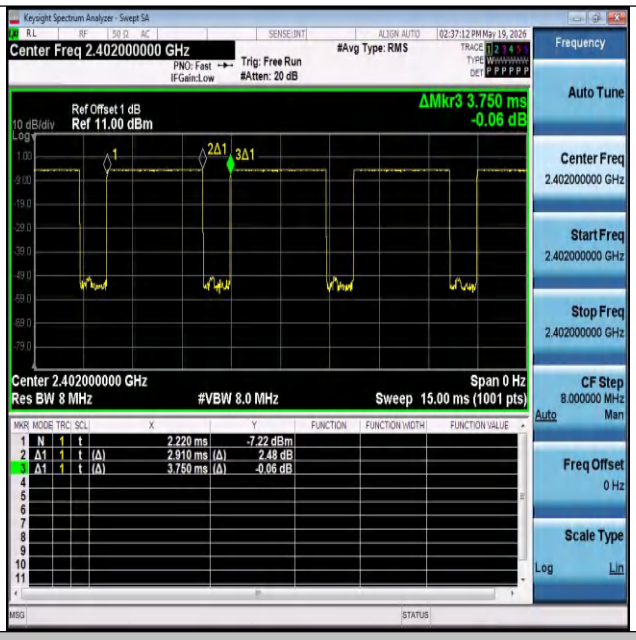
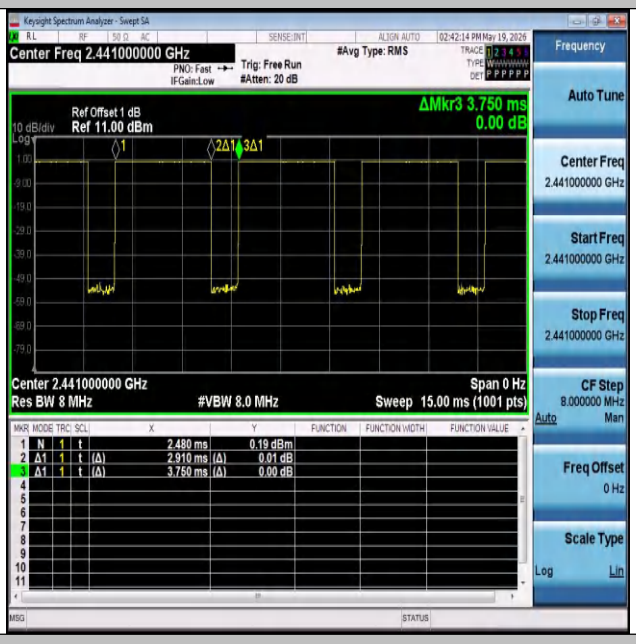
Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441

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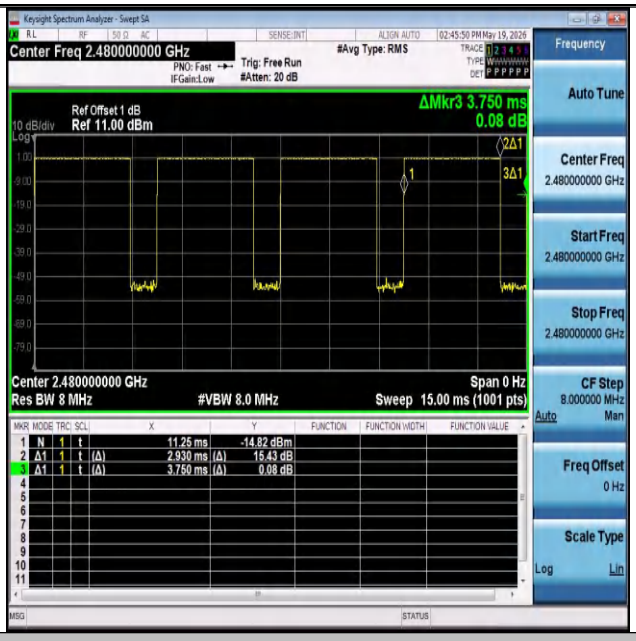
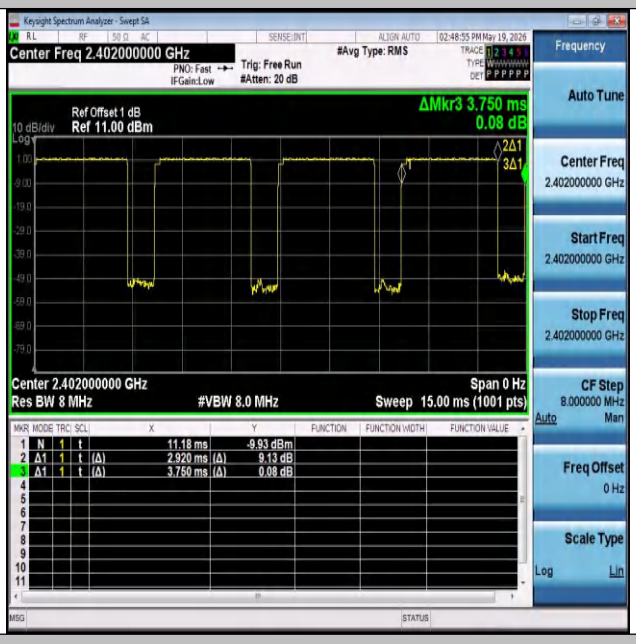


NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402

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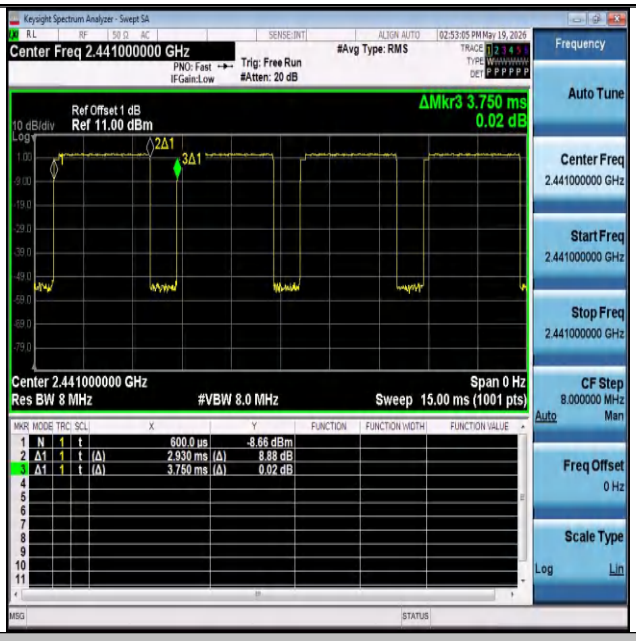
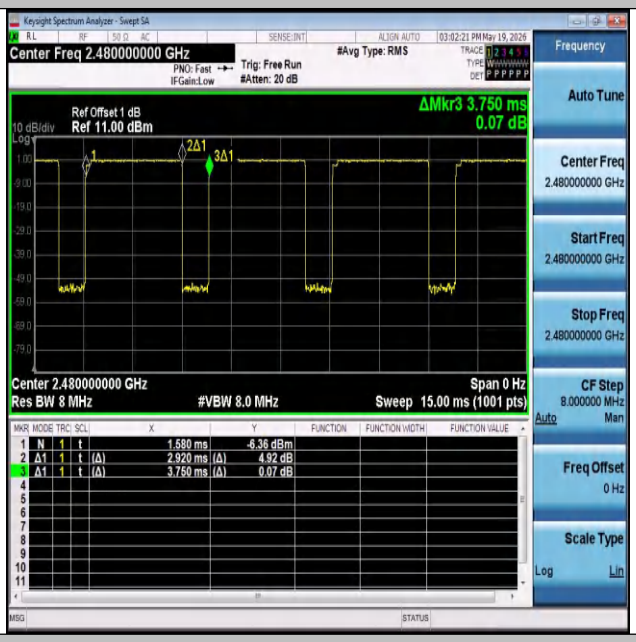


NTNV-2DH5-Ant1-2441



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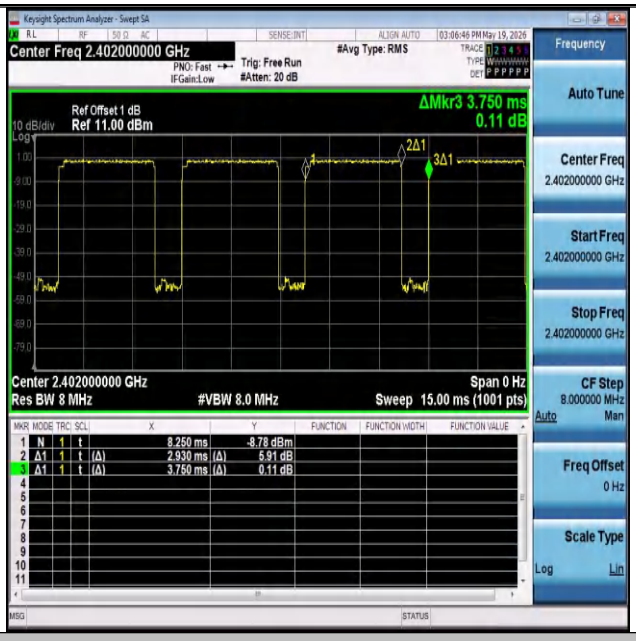

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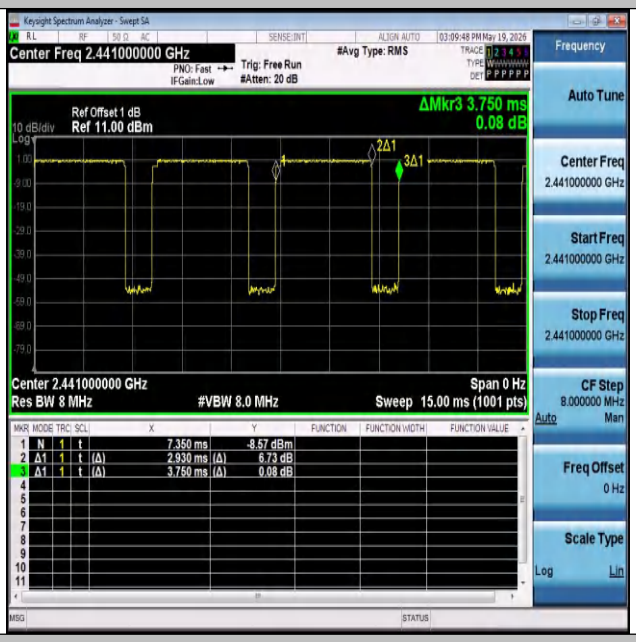

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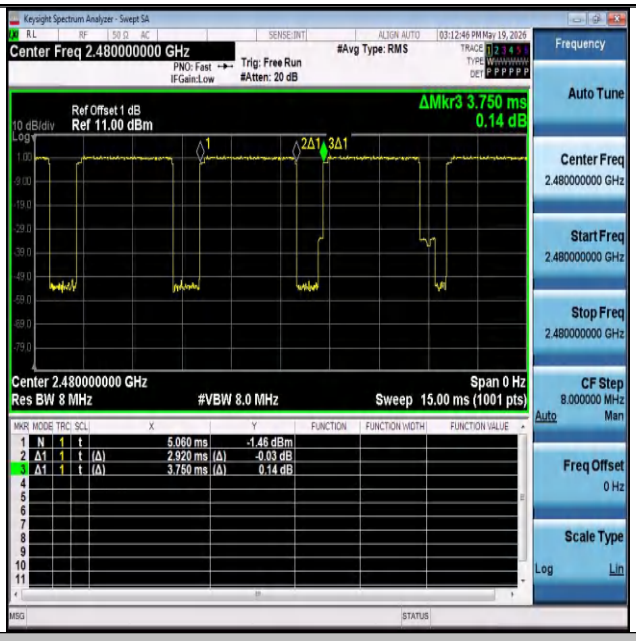

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