Mode3 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4882.000	50.60	-7.84	42.76	74.00	-31.24	peak
2		4882.000	44.49	-7.84	36.65	54.00	-17.35	AVG
3		7323.000	46.64	0.61	47.25	74.00	-26.75	peak
4		7323.000	40.71	0.61	41.32	54.00	-12.68	AVG
5		9764.000	47.66	2.61	50.27	74.00	-23.73	peak
6	*	9764.000	41.64	2.61	44.25	54.00	-9.75	AVG

Mode3 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	51.45	-7.73	43.72	74.00	-30.28	peak
2		4960.000	45.38	-7.73	37.65	54.00	-16.35	AVG
3		7440.000	47.24	0.78	48.02	74.00	-25.98	peak
4		7440.000	41.54	0.78	42.32	54.00	-11.68	AVG
5		9920.000	48.30	2.47	50.77	74.00	-23.23	peak
6	*	9920.000	42.22	2.47	44.69	54.00	-9.31	AVG

Mode3 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	51.80	-7.73	44.07	74.00	-29.93	peak
2		4960.000	45.85	-7.73	38.12	54.00	-15.88	AVG
3		7440.000	46.87	0.78	47.65	74.00	-26.35	peak
4		7440.000	40.84	0.78	41.62	54.00	-12.38	AVG
5		9920.000	48.50	2.47	50.97	74.00	-23.03	peak
6	*	9920.000	42.22	2.47	44.69	54.00	-9.31	AVG

Photographs of the test setup

Refer to Appendix - Test Setup Photos

Photographs of the EUT

Refer to Appendix - EUT Photos

Appendix

Appendix A: 20dB Emission Bandwidth

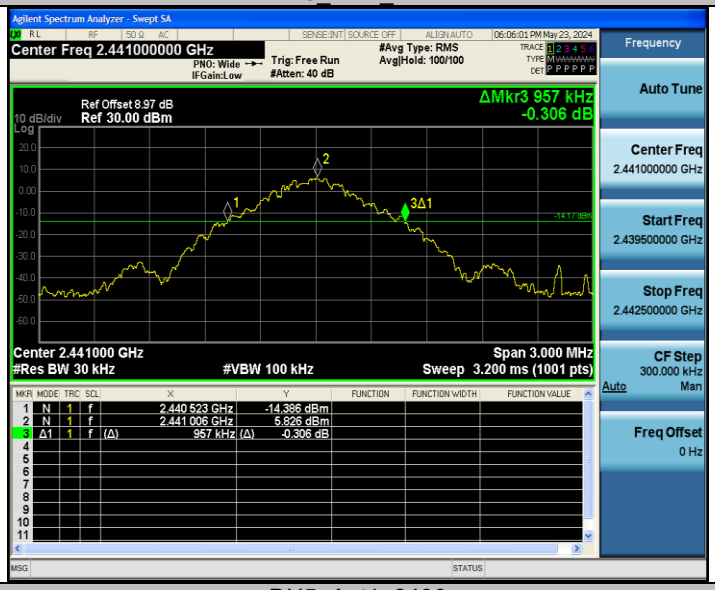
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]
DH5	Ant1	2402	0.954
		2441	0.957
		2480	0.960
2DH5	Ant1	2402	1.338
		2441	1.332
		2480	1.338
3DH5	Ant1	2402	1.314
		2441	1.335
		2480	1.311

Test Graphs

DH5_Ant1_2402

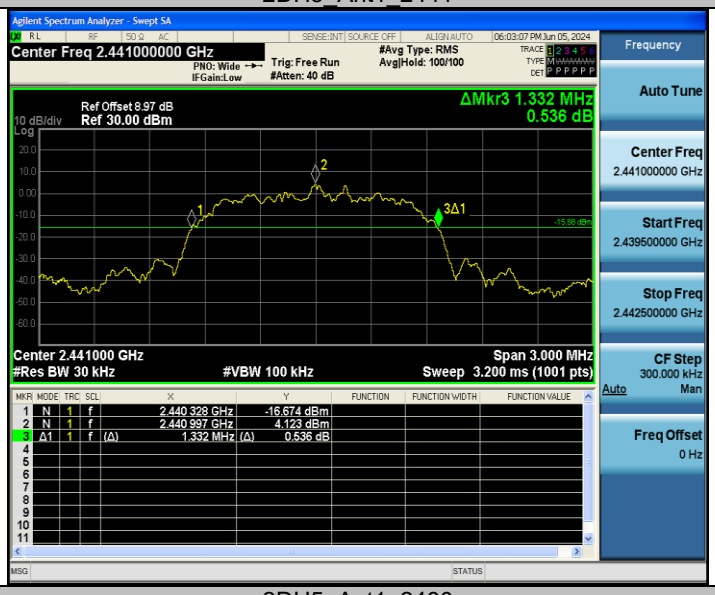
DH5_Ant1_2441



DH5_Ant1_2480

2DH5_Ant1_2402

2DH5_Ant1_2441



2DH5_Ant1_2480

3DH5_Ant1_2402

3DH5_Ant1_2441

3DH5_Ant1_2480

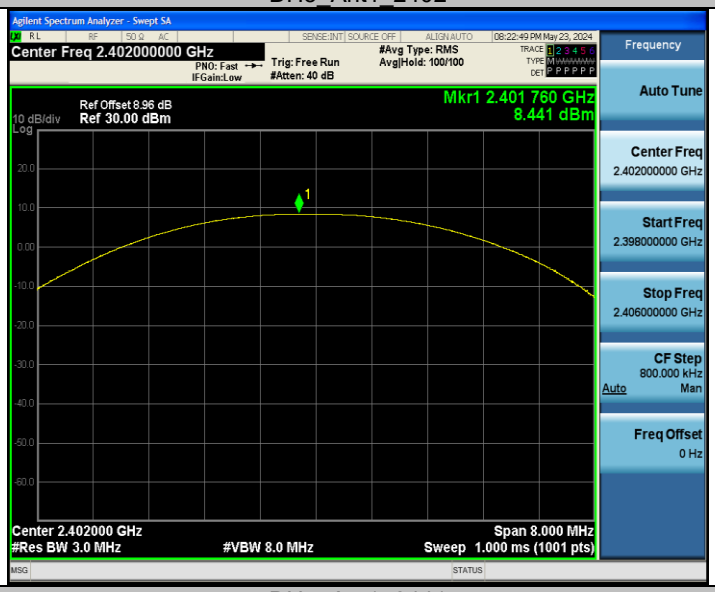
Appendix B: Maximum conducted output power

Test Result Peak

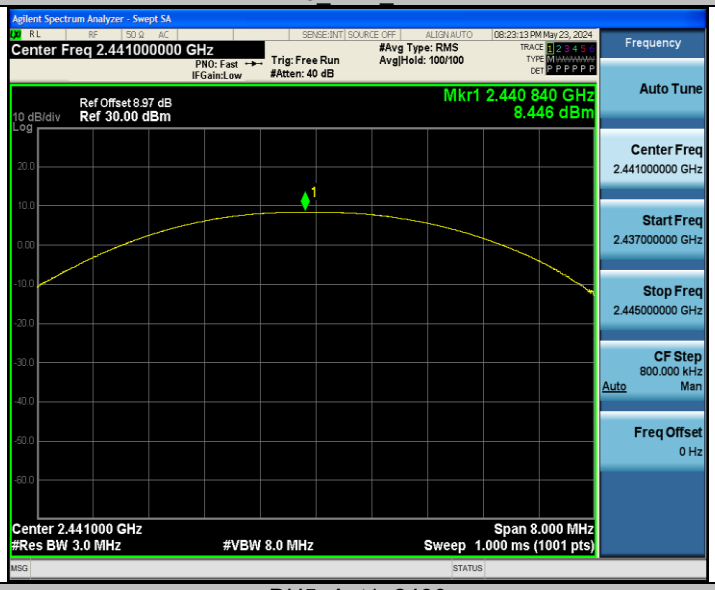
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	8.44	≤20.97	PASS
		2441	8.45	≤20.97	PASS
		2480	8.46	≤20.97	PASS
2DH5	Ant1	2402	8.66	≤20.97	PASS
		2441	9.16	≤20.97	PASS
		2480	8.98	≤20.97	PASS
3DH5	Ant1	2402	9.33	≤20.97	PASS
		2441	9.75	≤20.97	PASS
		2480	9.52	≤20.97	PASS

Test Graphs

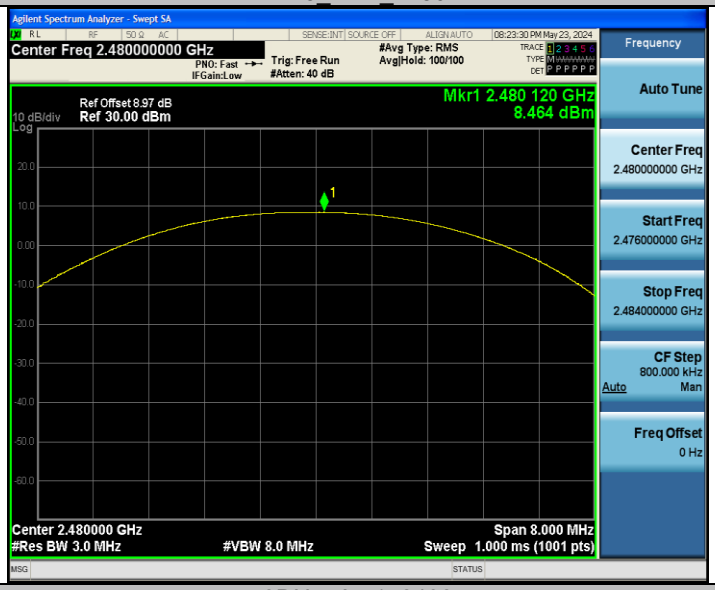
DH5_Ant1_2402



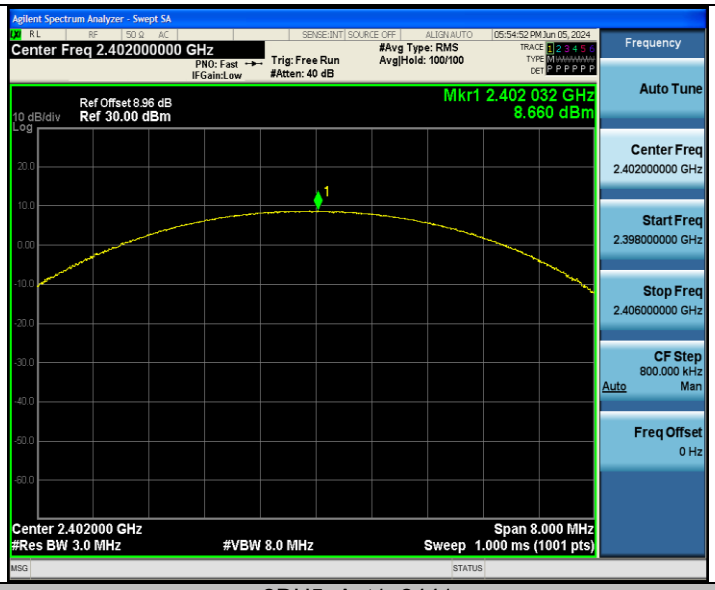
DH5_Ant1_2441



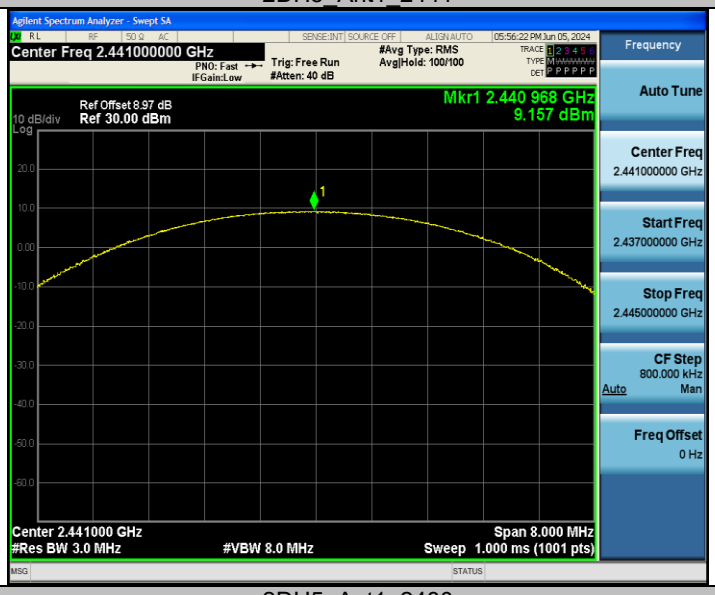
DH5_Ant1_2480



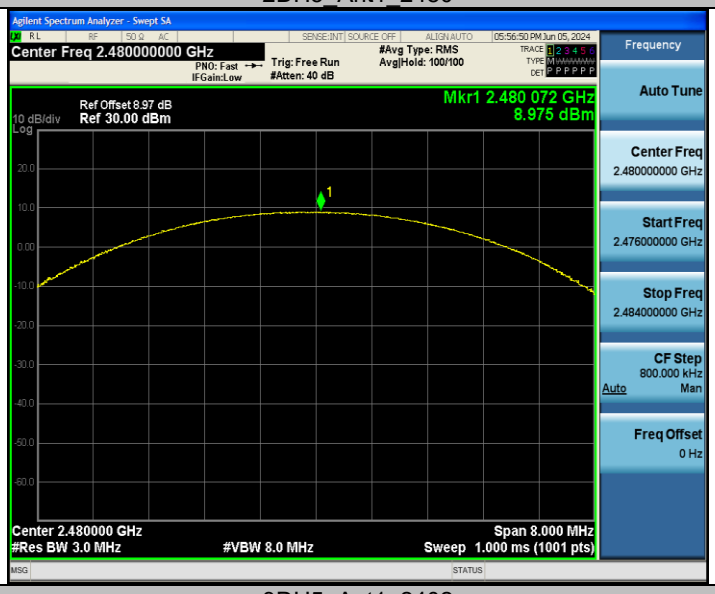
2DH5_Ant1_2402



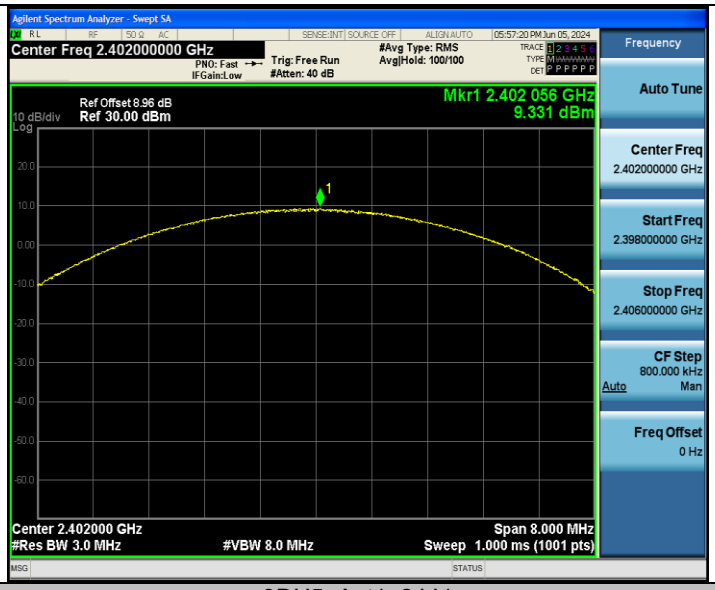
2DH5_Ant1_2441



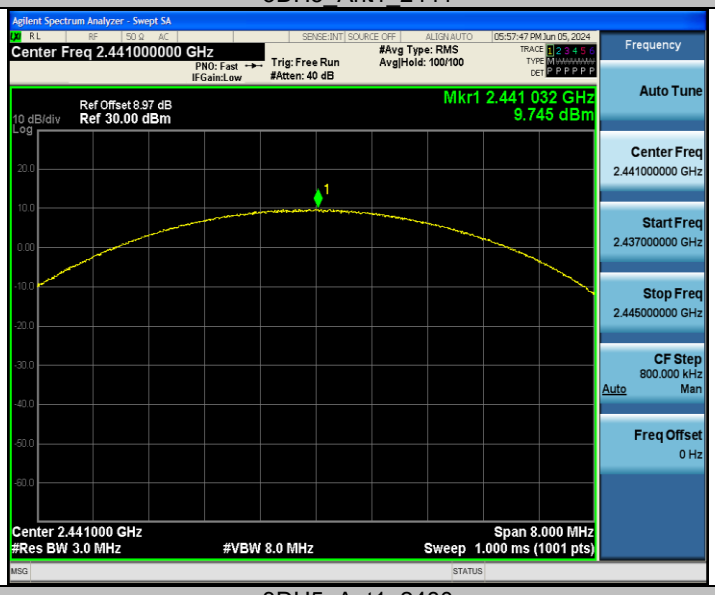
2DH5_Ant1_2480



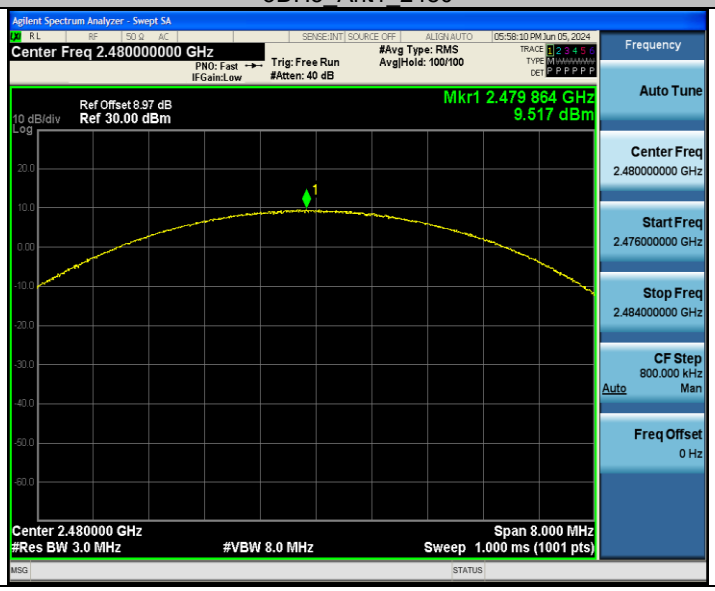
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Carrier frequency separation

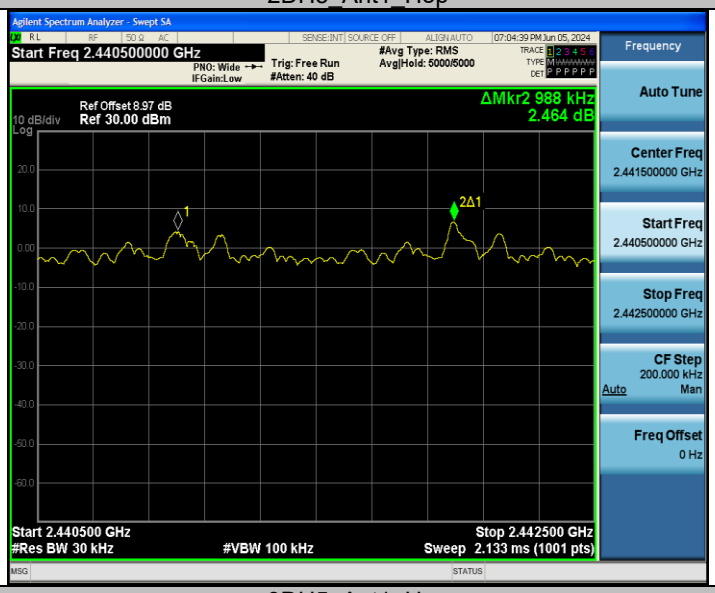
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.998	≥0.960	PASS
2DH5	Ant1	Hop	0.988	≥0.892	PASS
3DH5	Ant1	Hop	1.008	≥0.890	PASS

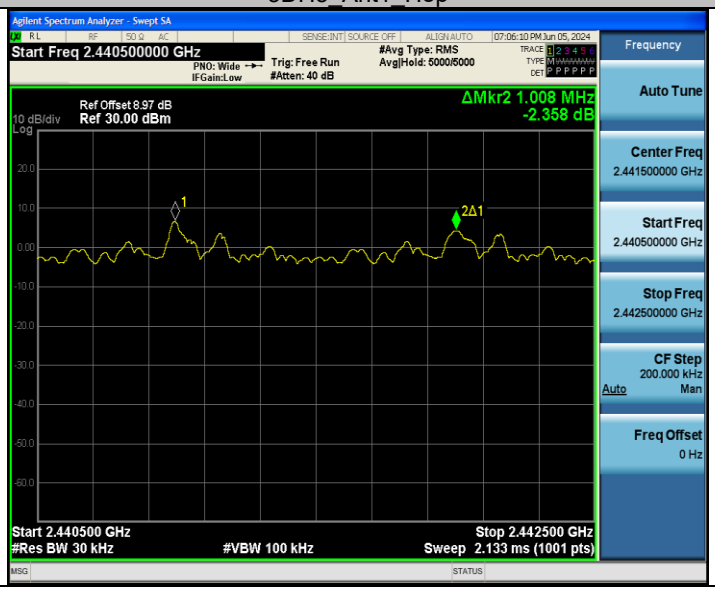
Test Graphs

DH5_Ant1_Hop

2DH5_Ant1_Hop



3DH5_Ant1_Hop



Appendix D: Time of occupancy

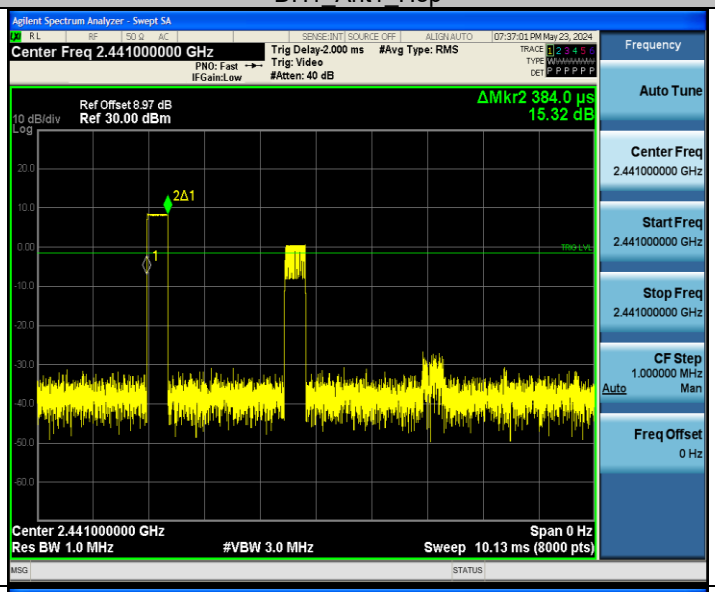
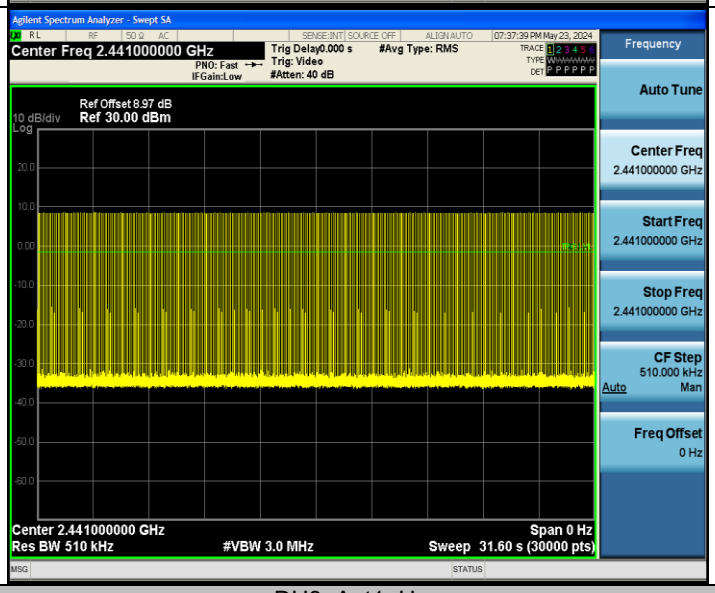
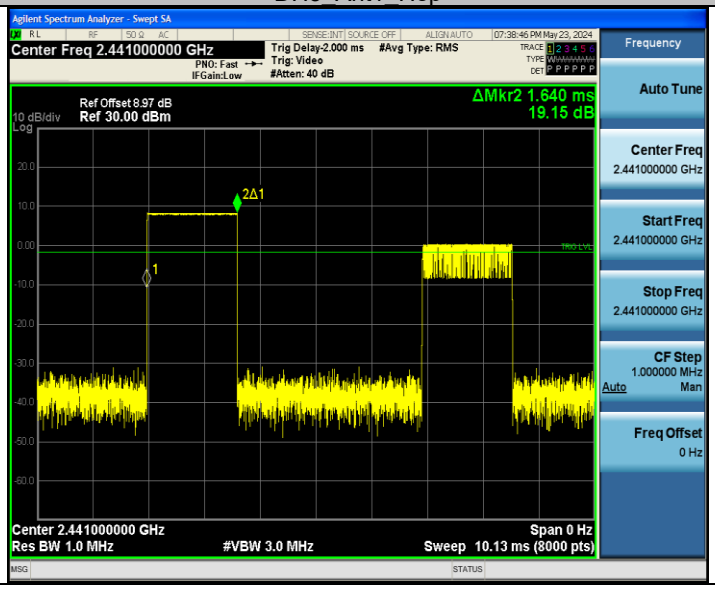
Test Result

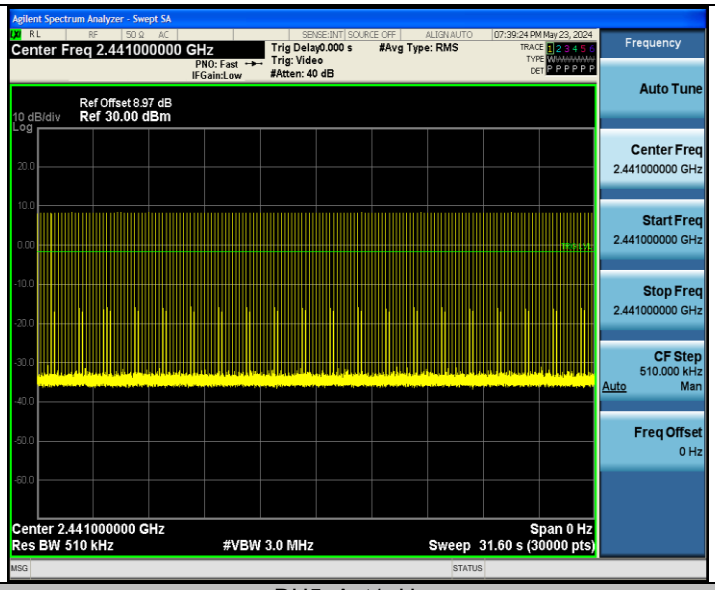
Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	Hops in 31.6s [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.384	319	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.640	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.889	107	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.395	319	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.647	160	0.264	≤0.4	PASS
2DH5	Ant1	Hop	2.896	107	0.31	≤0.4	PASS
3DH1	Ant1	Hop	0.395	319	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.644	160	0.263	≤0.4	PASS
3DH5	Ant1	Hop	2.896	107	0.31	≤0.4	PASS

Notes:

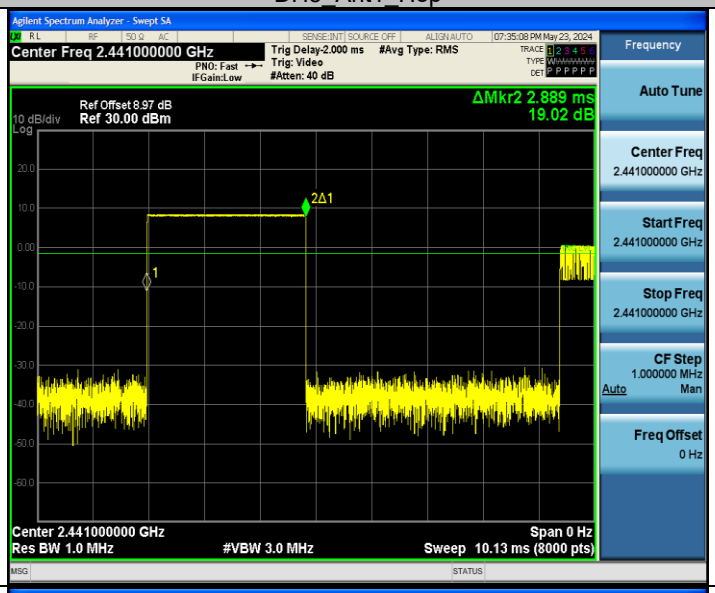
1. Period time = 0.4s * 79 = 31.6s
2. Result (Time of occupancy) = BurstWidth[ms] * Hops in 31.6s [Num]

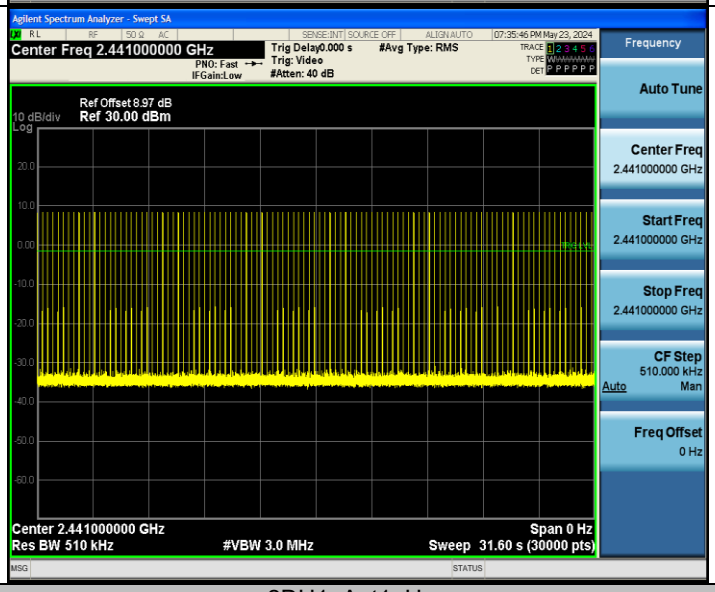
Test Graphs

DH1_Ant1_Hop


DH3_Ant1_Hop


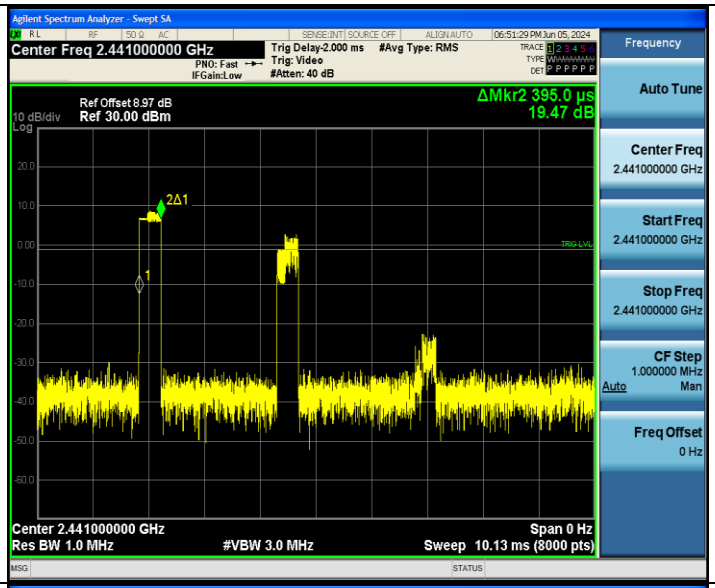


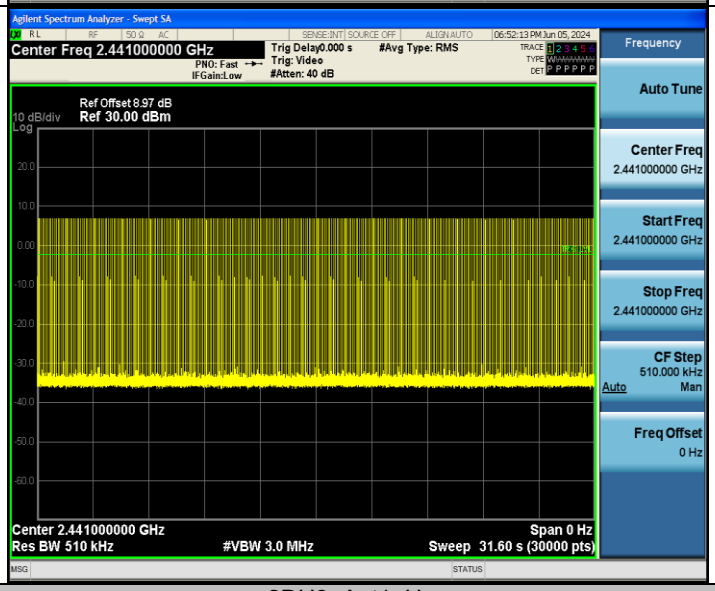
DH5_Ant1_Hop



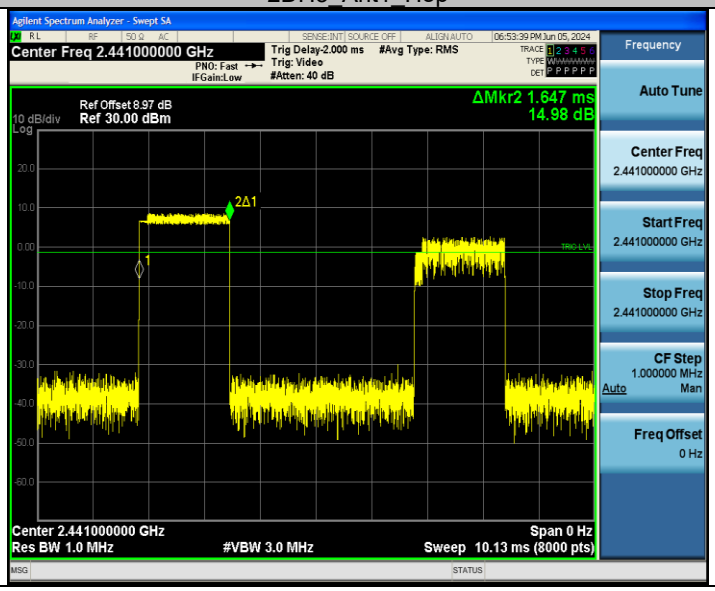


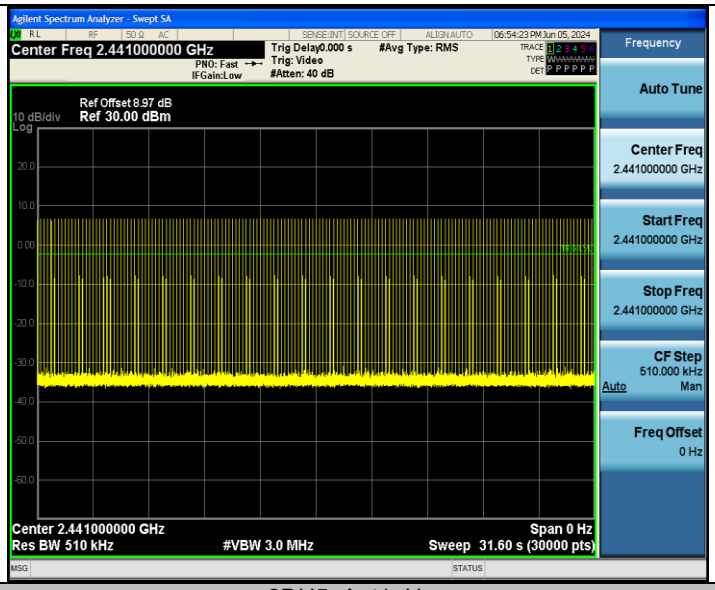
2DH1_Ant1_Hop



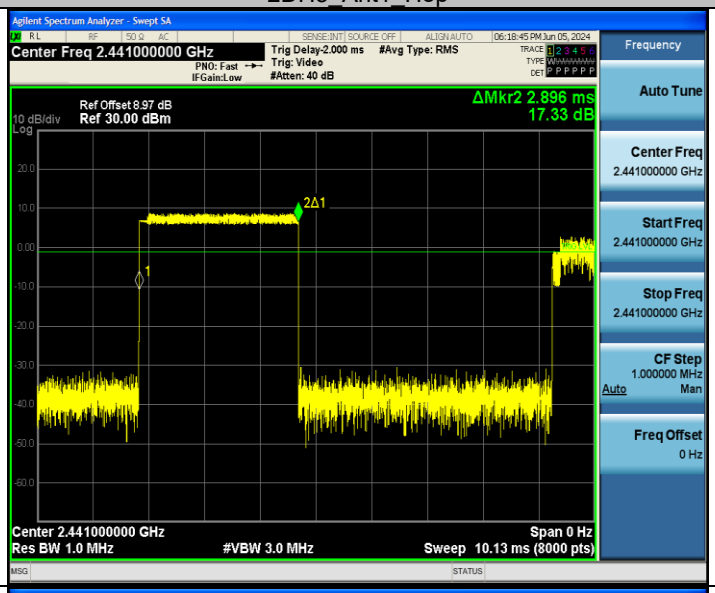


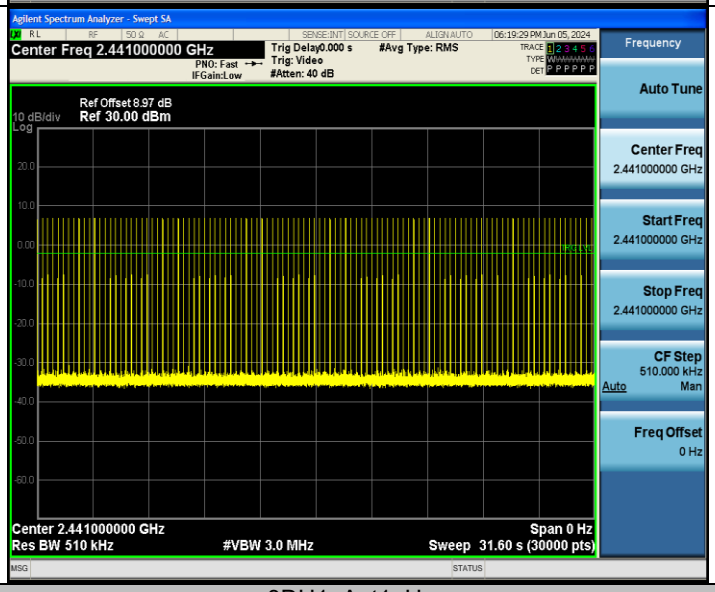
2DH3_Ant1_Hop



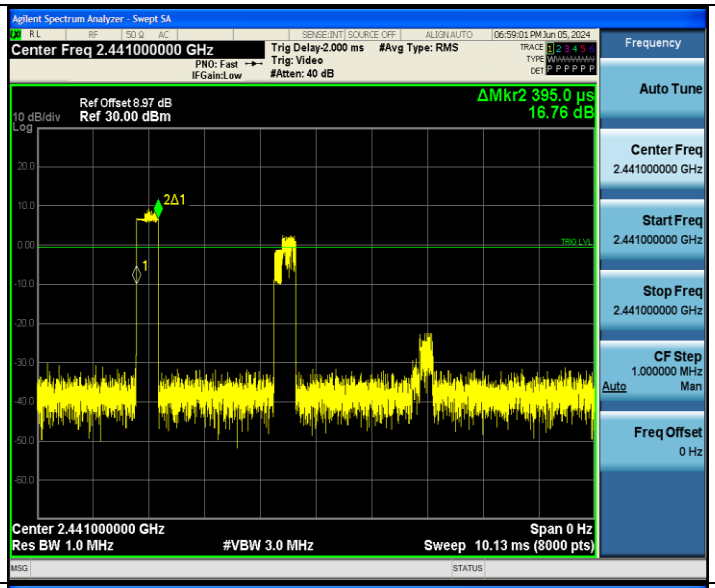


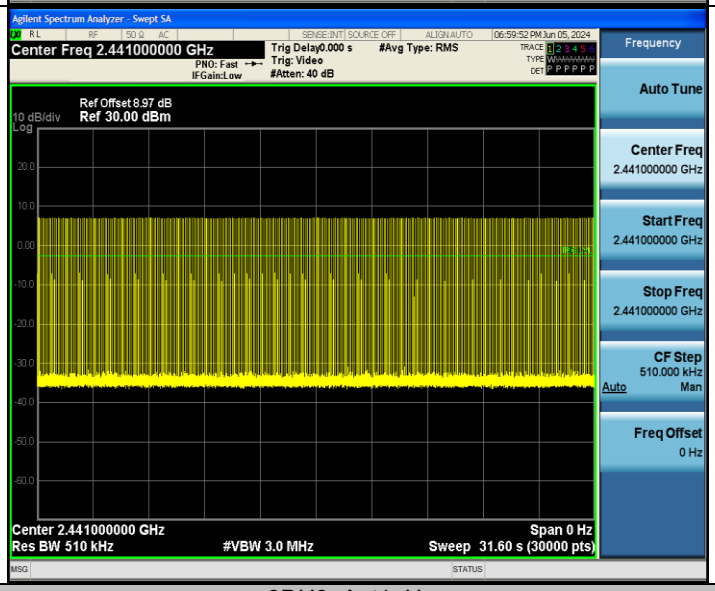
2DH5_Ant1_Hop



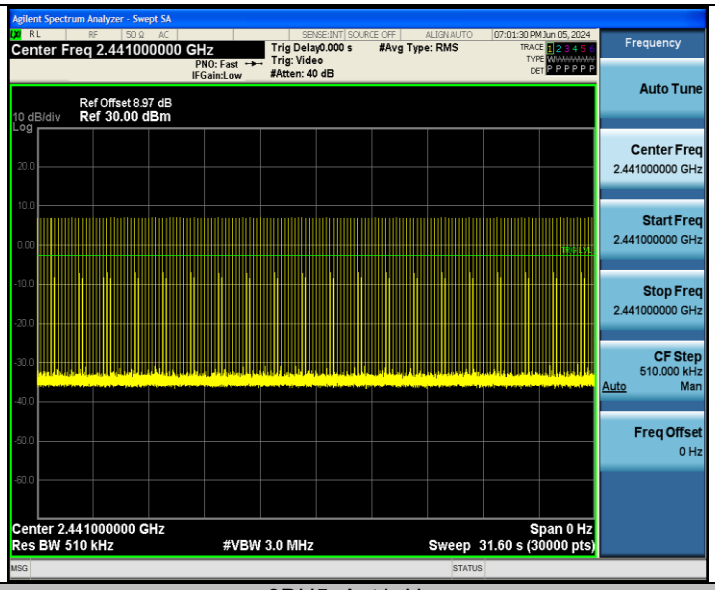


3DH1_Ant1_Hop

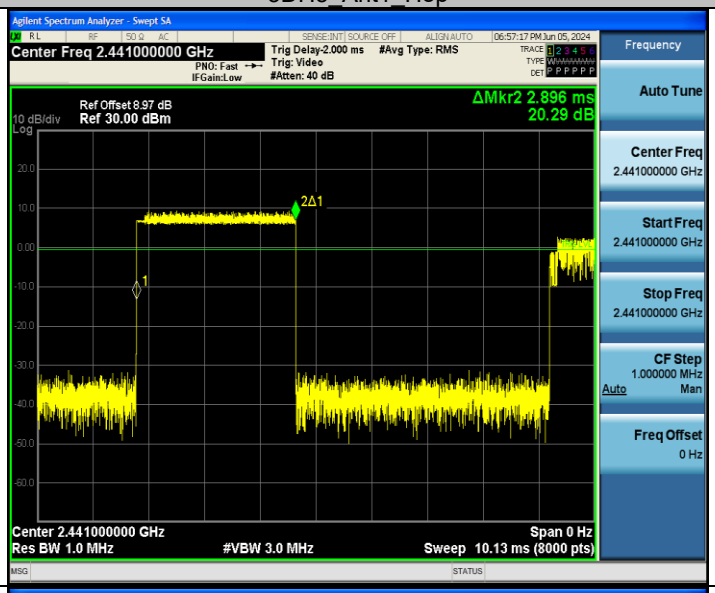


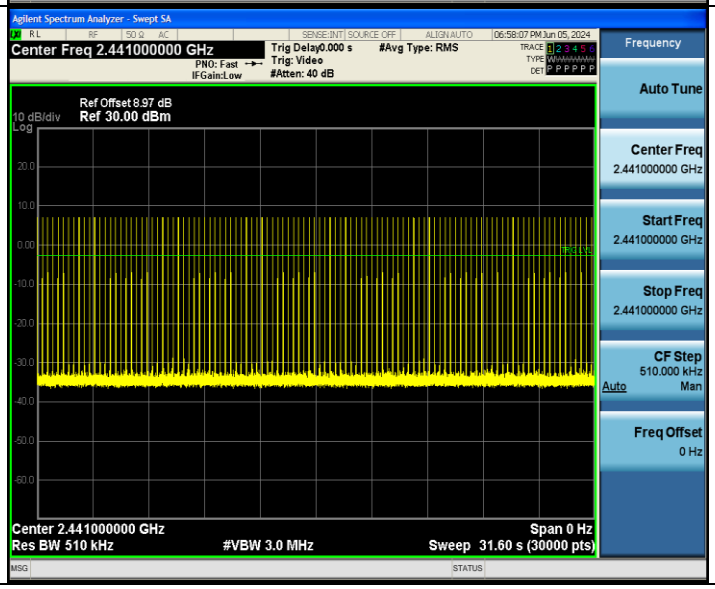


3DH3_Ant1_Hop



3DH5_Ant1_Hop





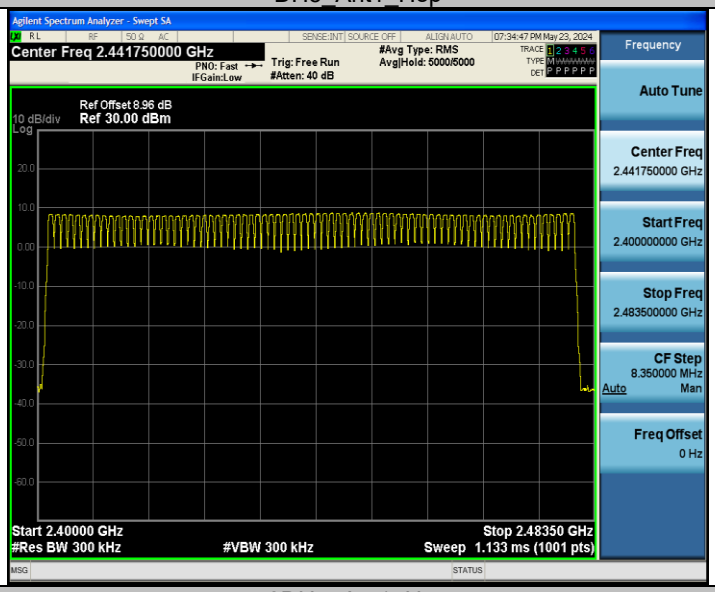
Appendix E: Number of hopping channels

Test Result

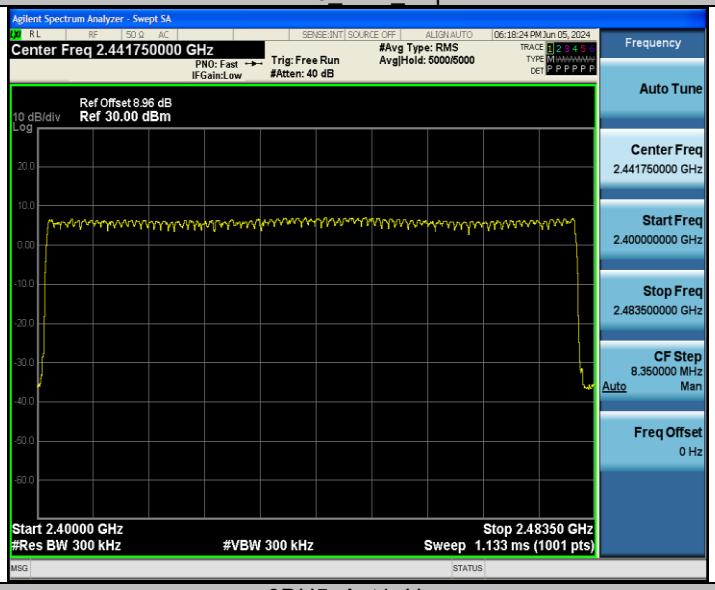
Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

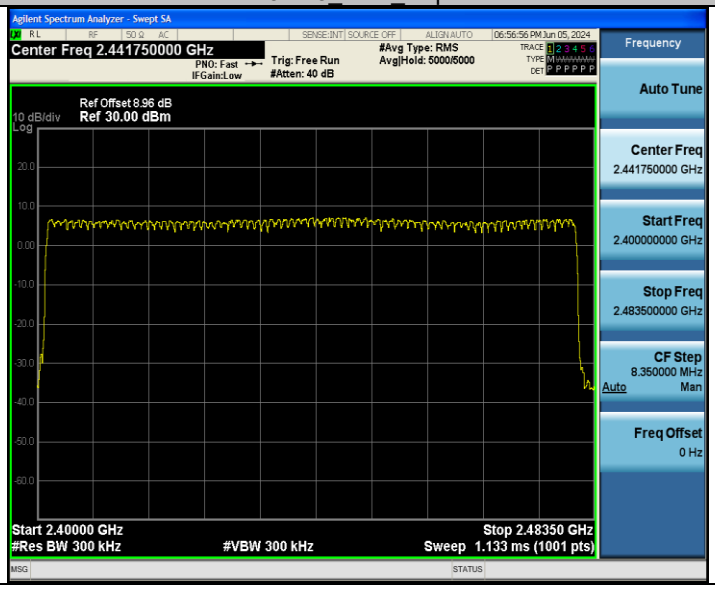
DH5_Ant1_Hop



2DH5_Ant1_Hop



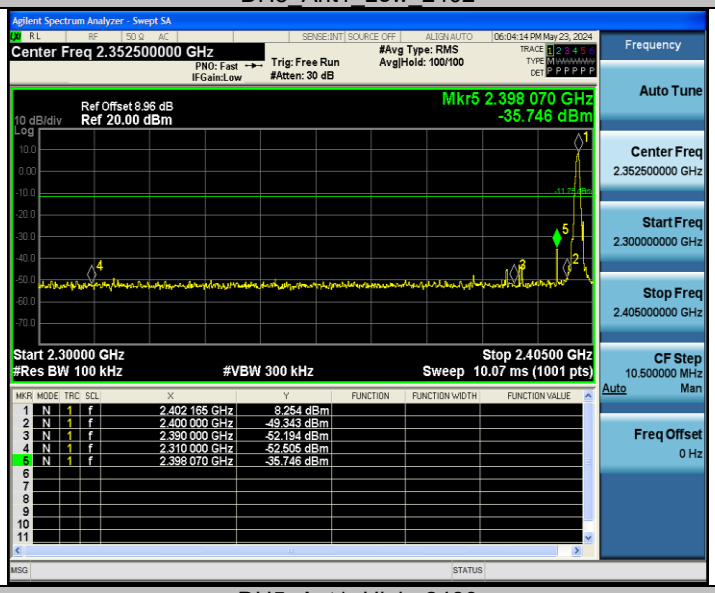
3DH5_Ant1_Hop



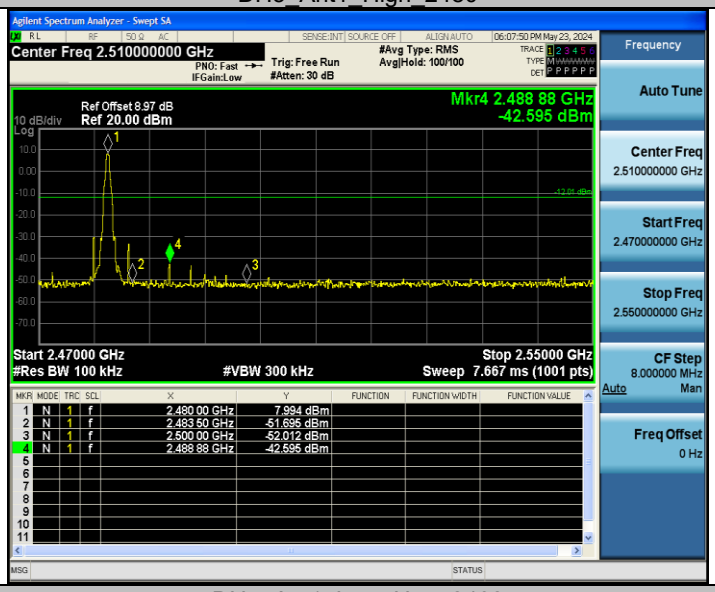
Appendix F: Band edge measurements

Test Graphs

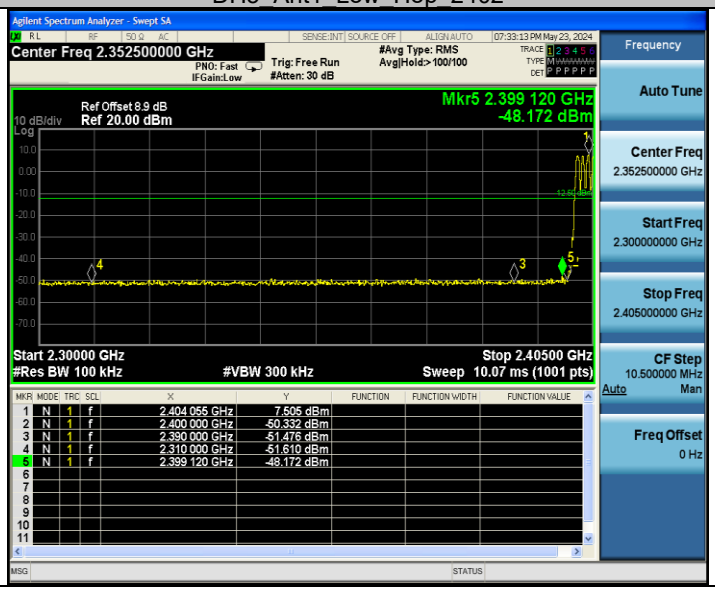
DH5_Ant1_Low_2402



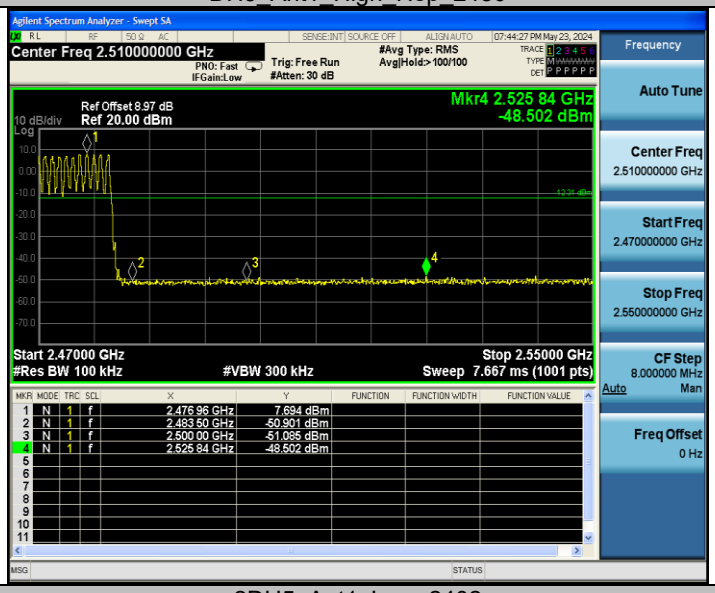
DH5_Ant1_High_2480



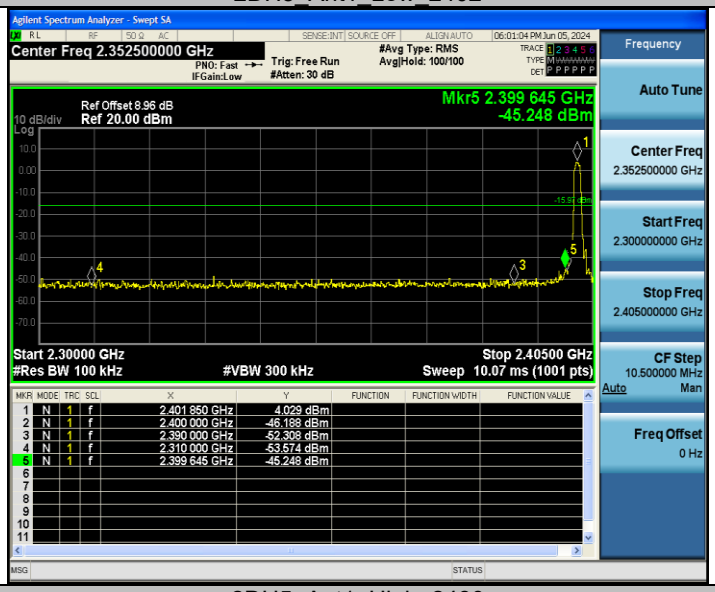
DH5_Ant1_Low_Hop_2402



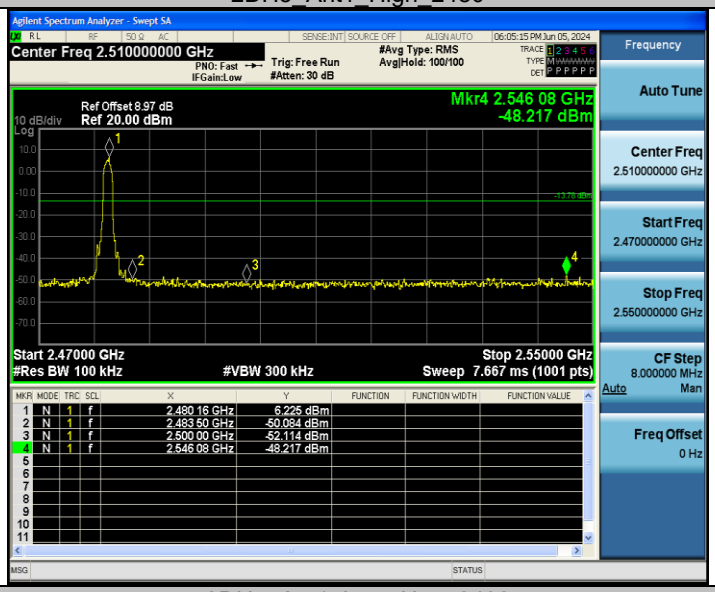
DH5_Ant1_High_Hop_2480



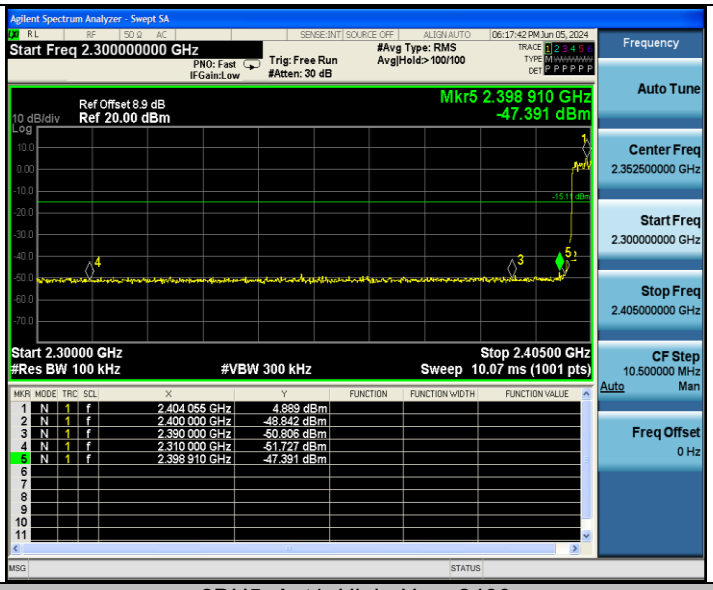
2DH5_Ant1_Low_2402



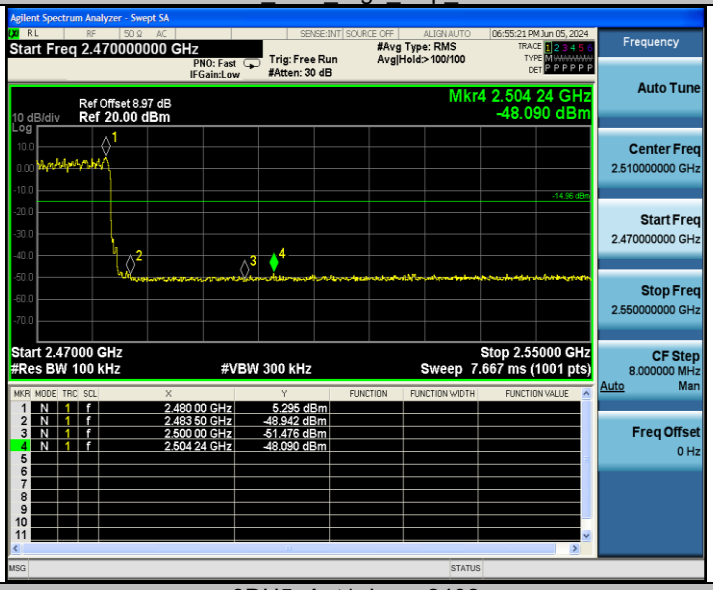
2DH5_Ant1_High_2480



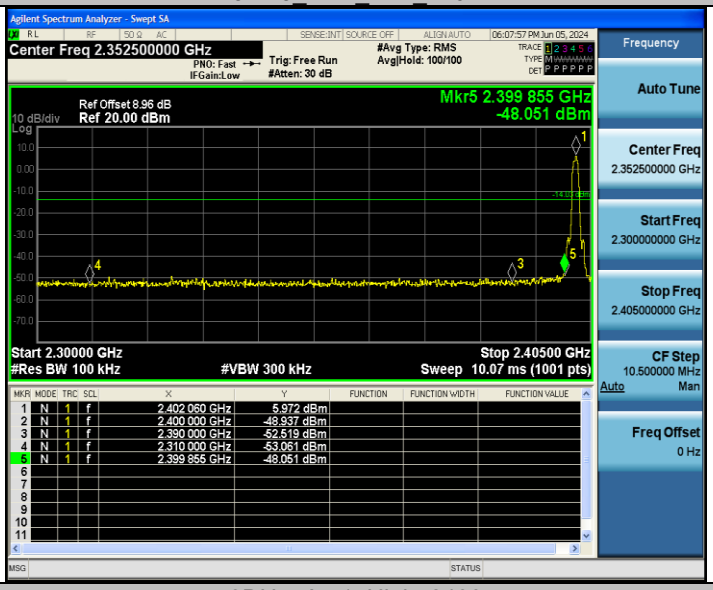
2DH5_Ant1_Low_Hop_2402



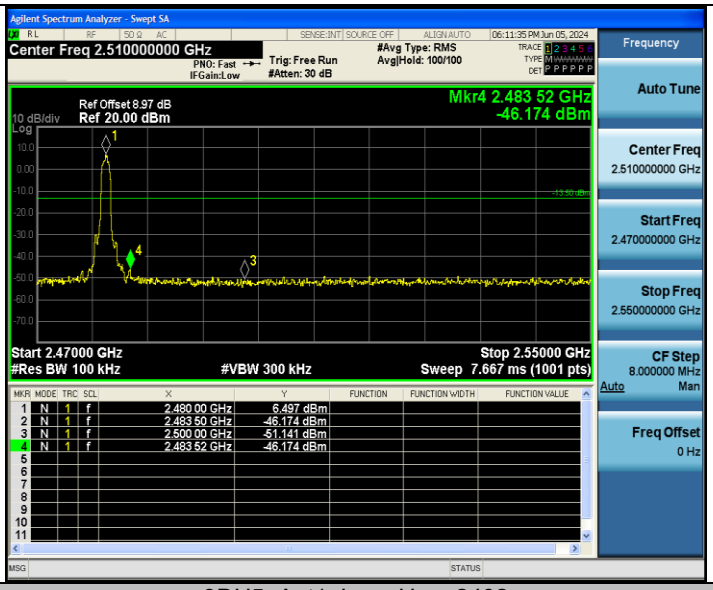
2DH5_Ant1_High_Hop_2480



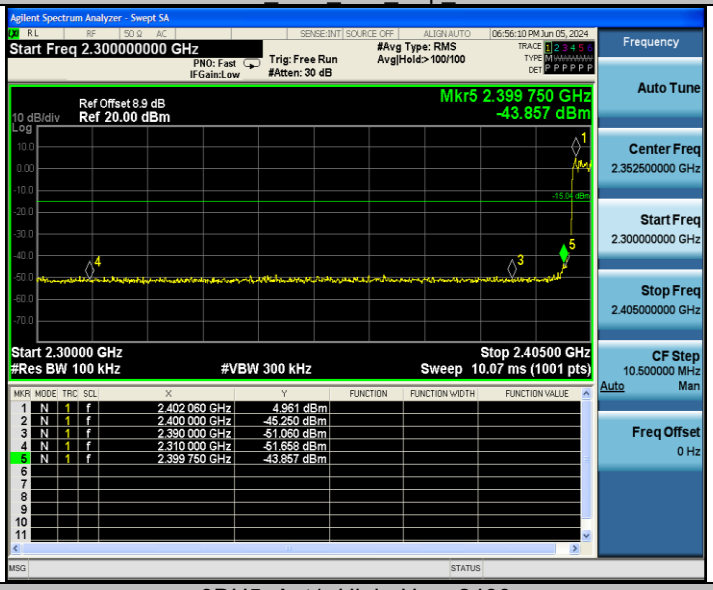
3DH5_Ant1_Low_2402



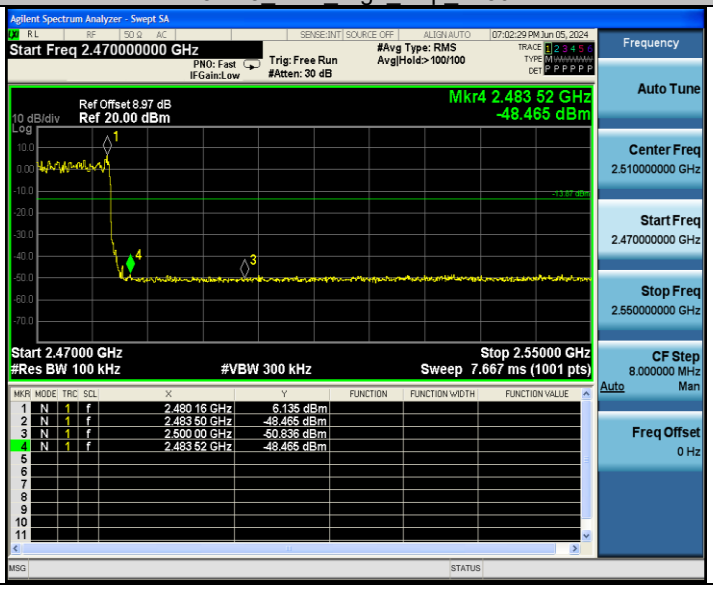
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



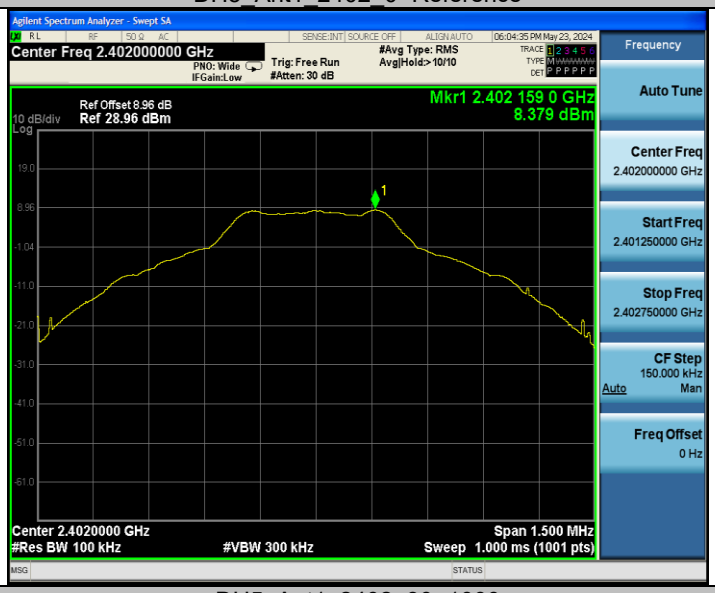
3DH5_Ant1_High_Hop_2480



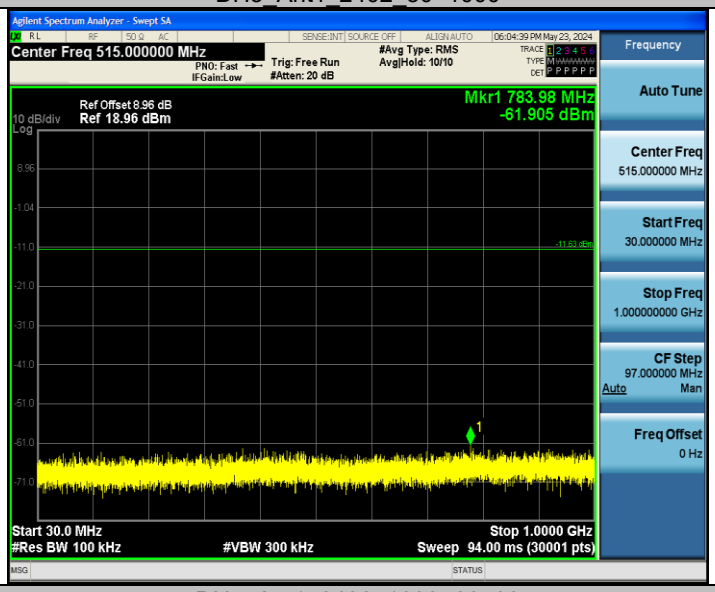
Appendix G: Conducted Spurious Emission

Test Graphs

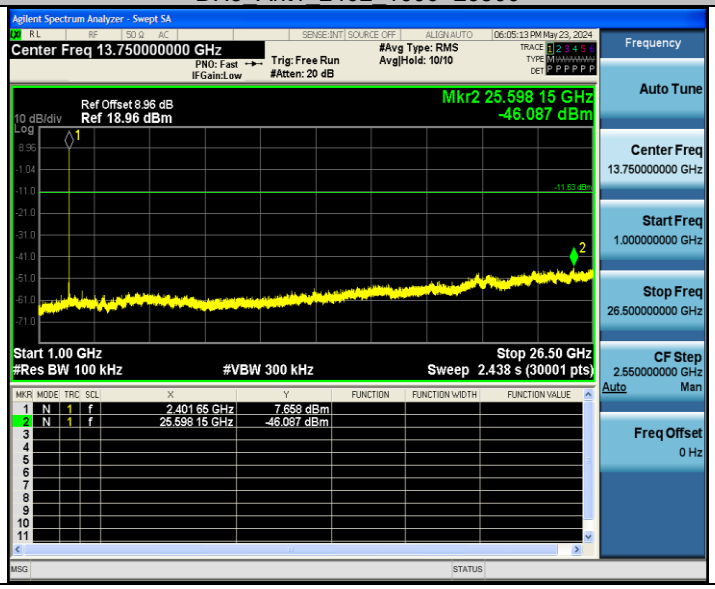
DH5_Ant1_2402_0~Reference



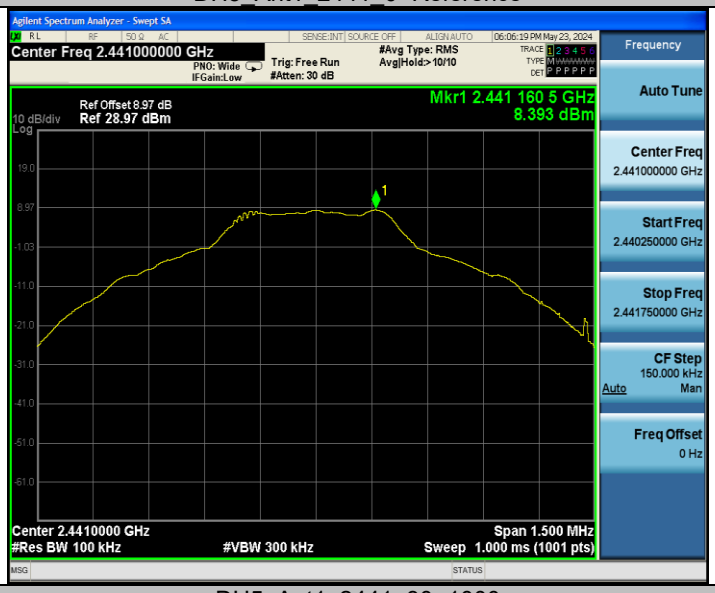
DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



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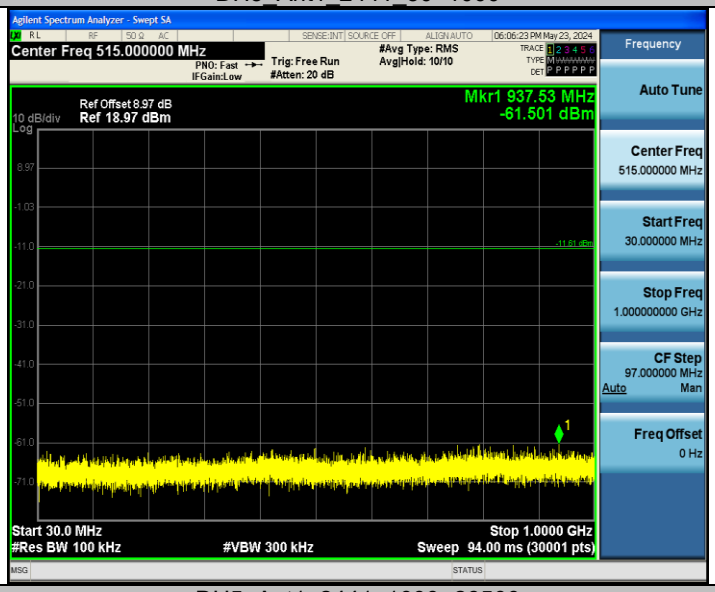

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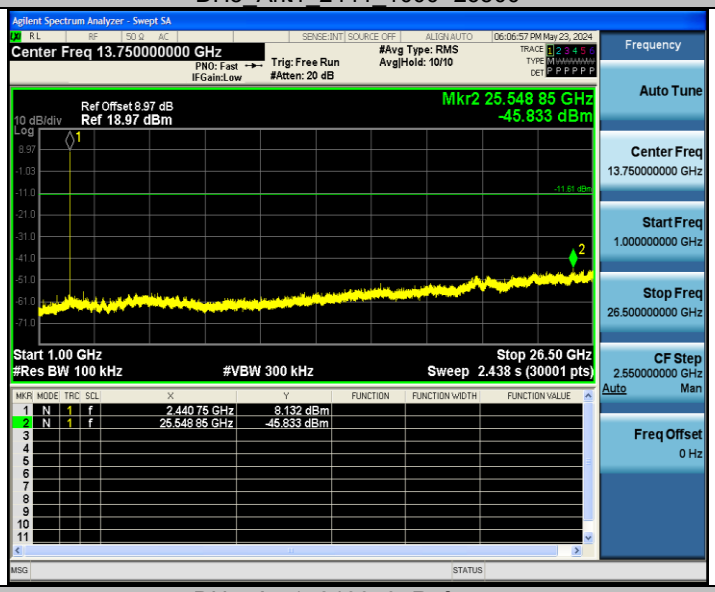
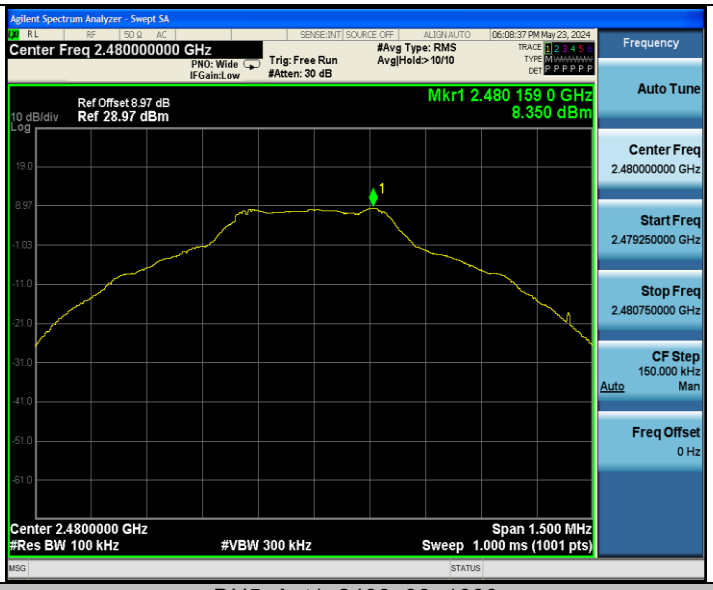


DH5_Ant1_2480_0~Reference



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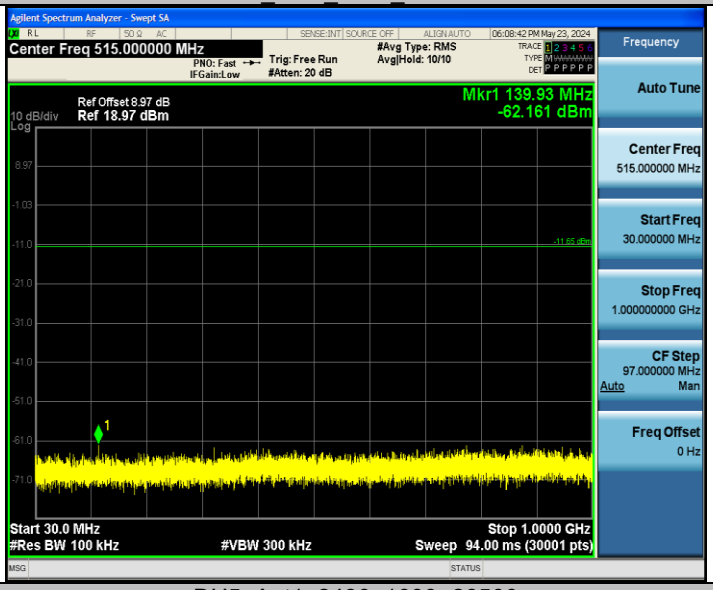
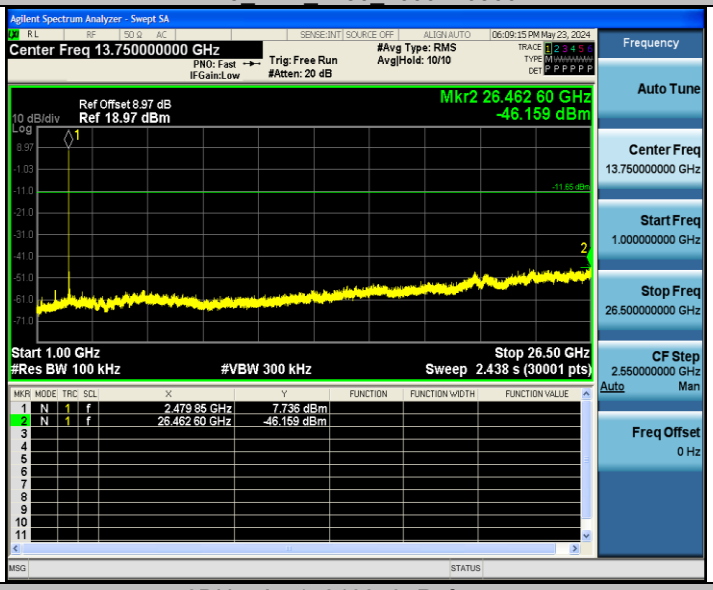
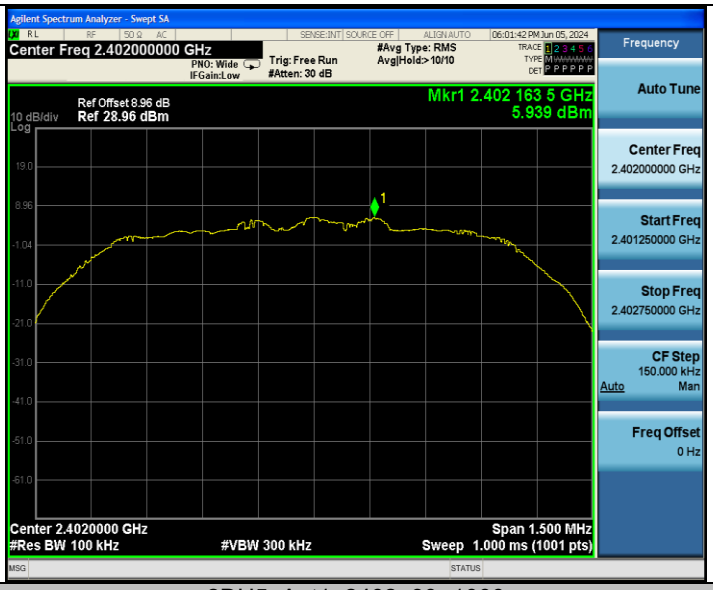


DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



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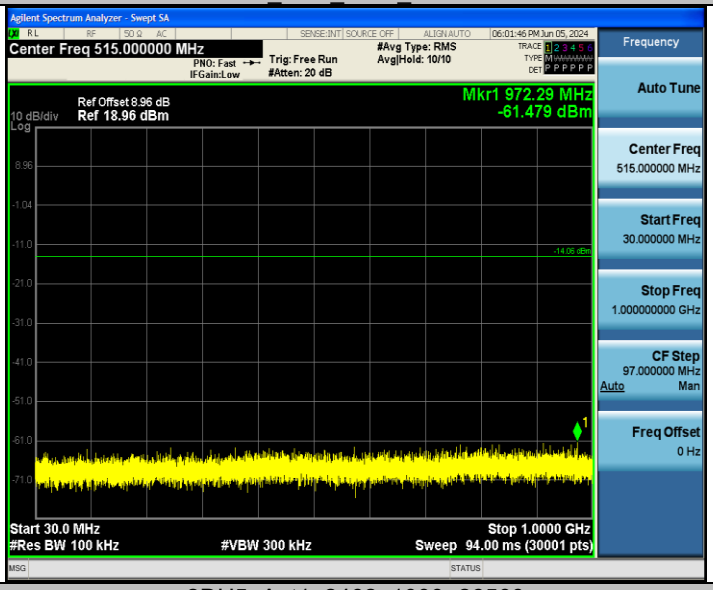

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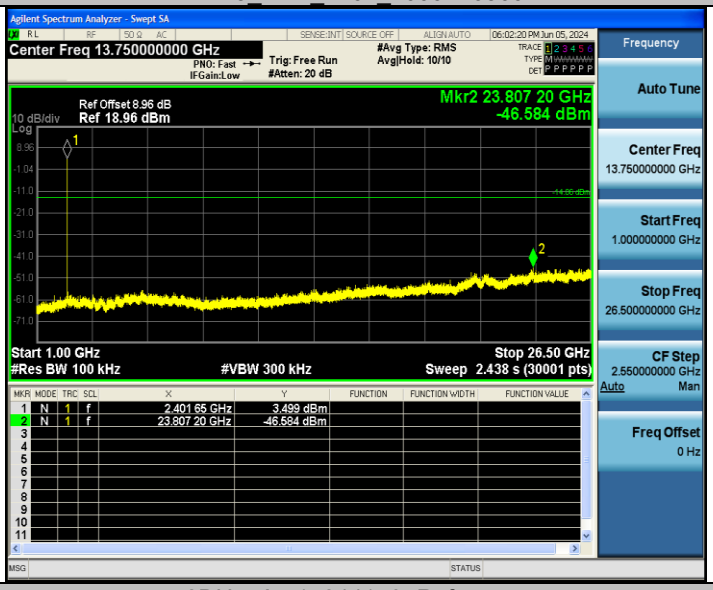

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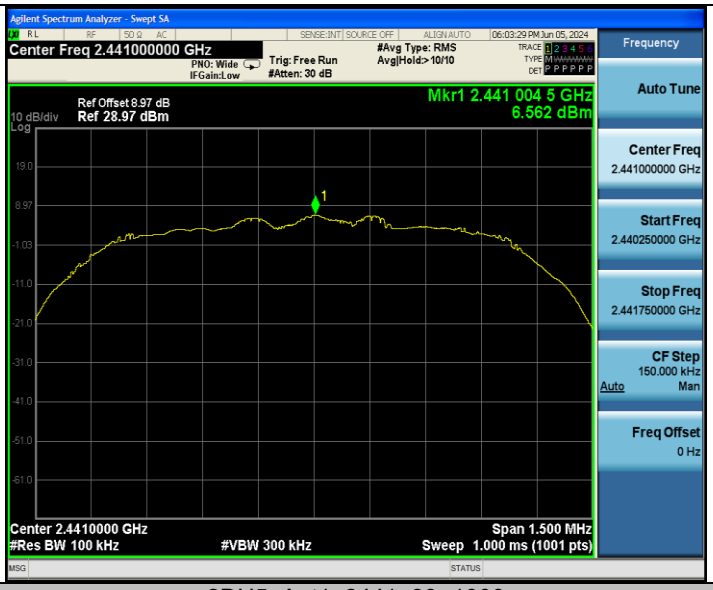

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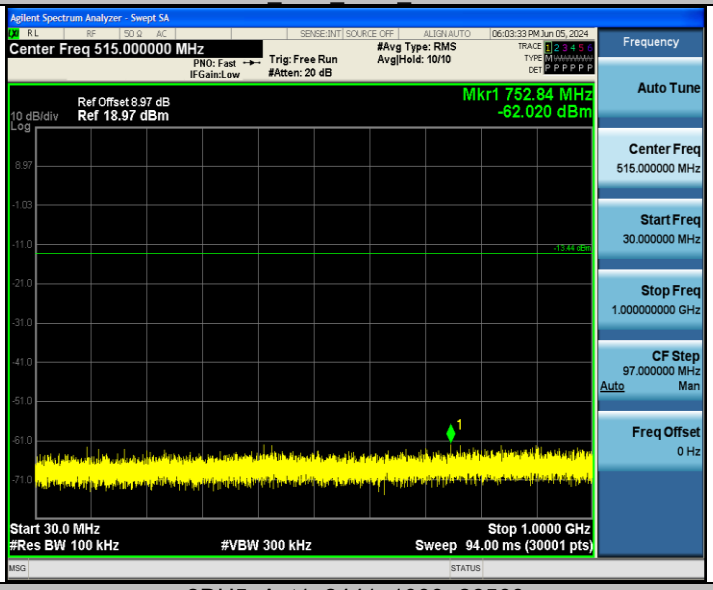

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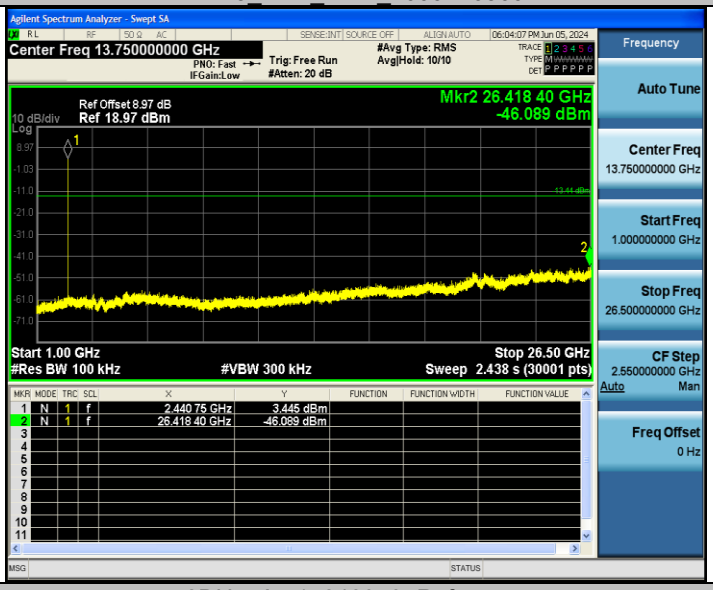

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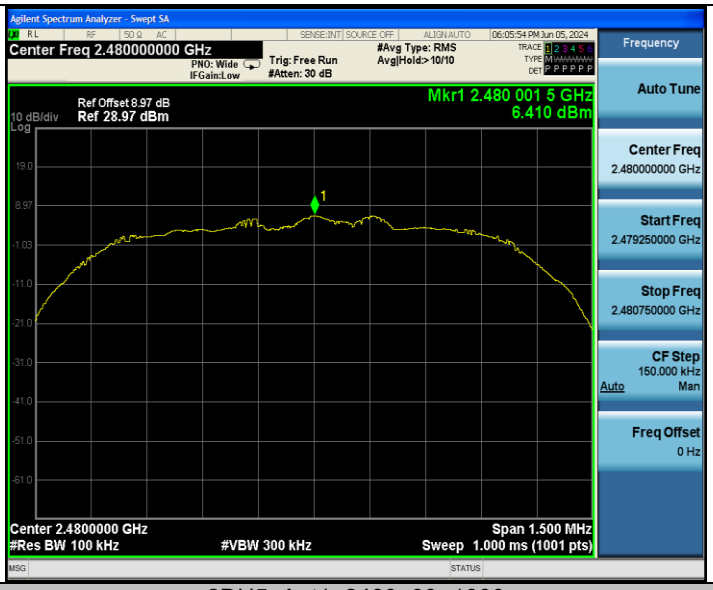

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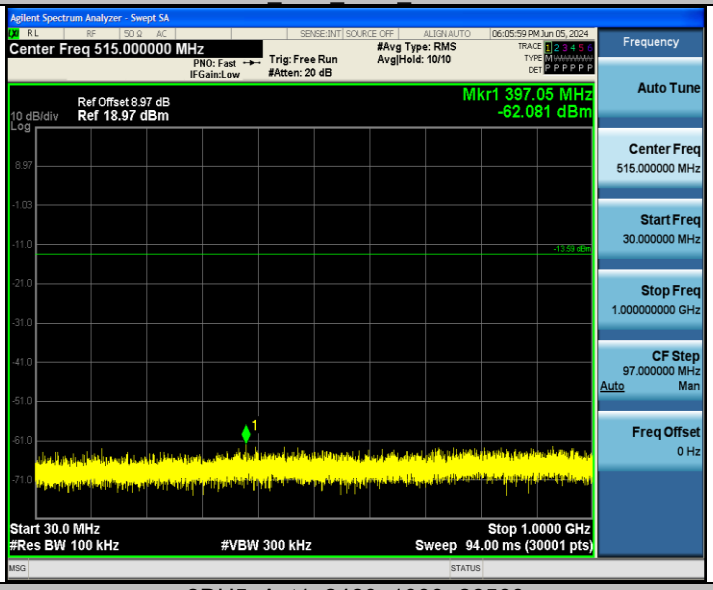

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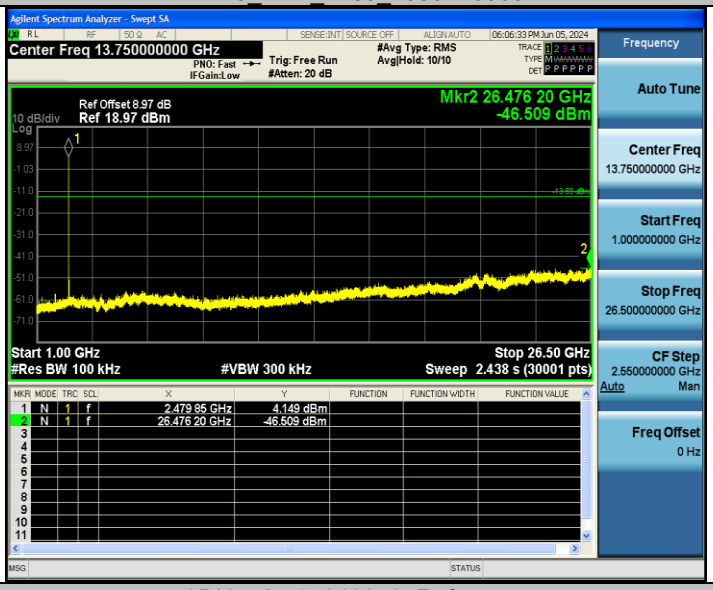

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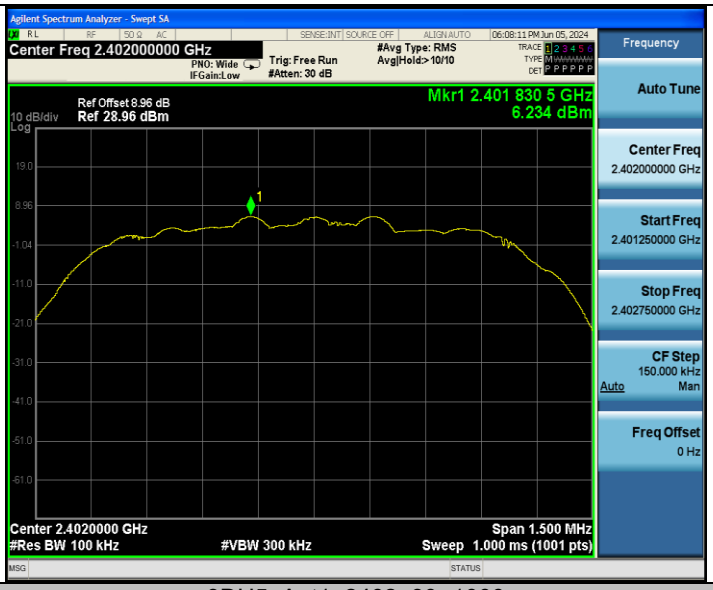

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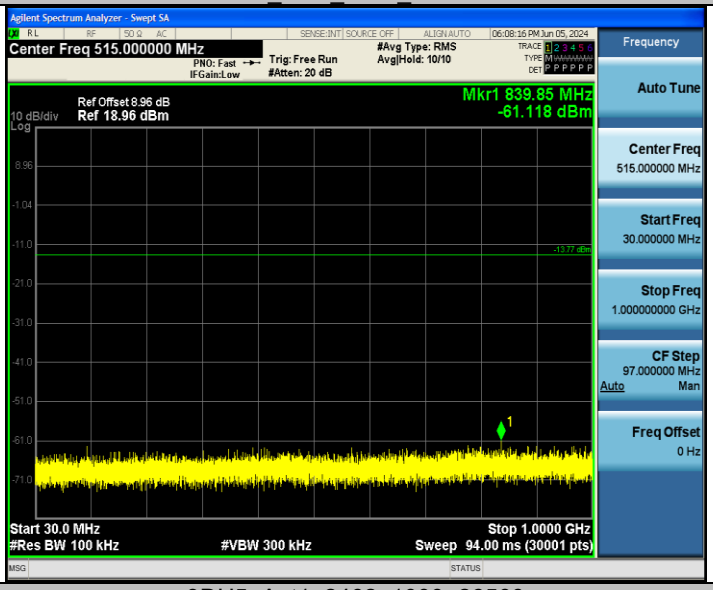

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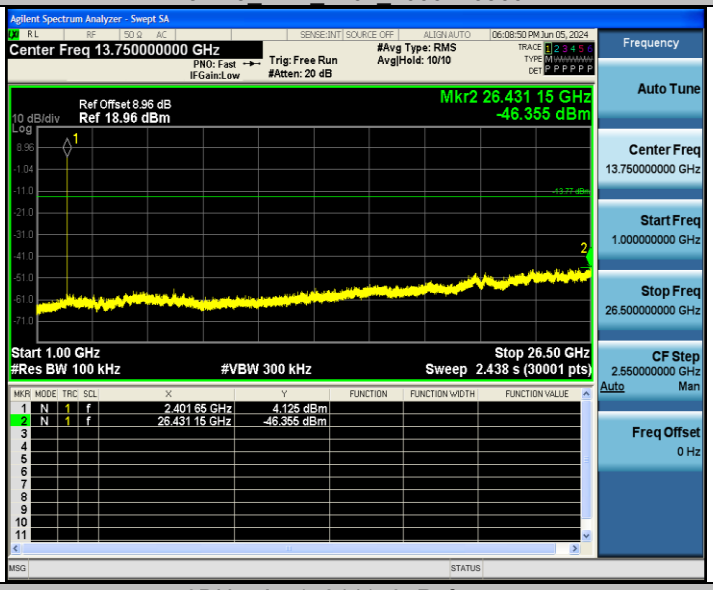

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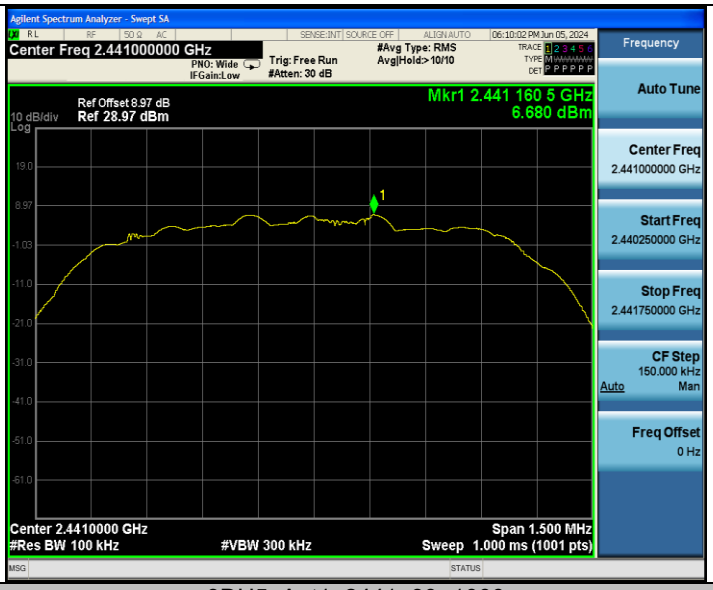

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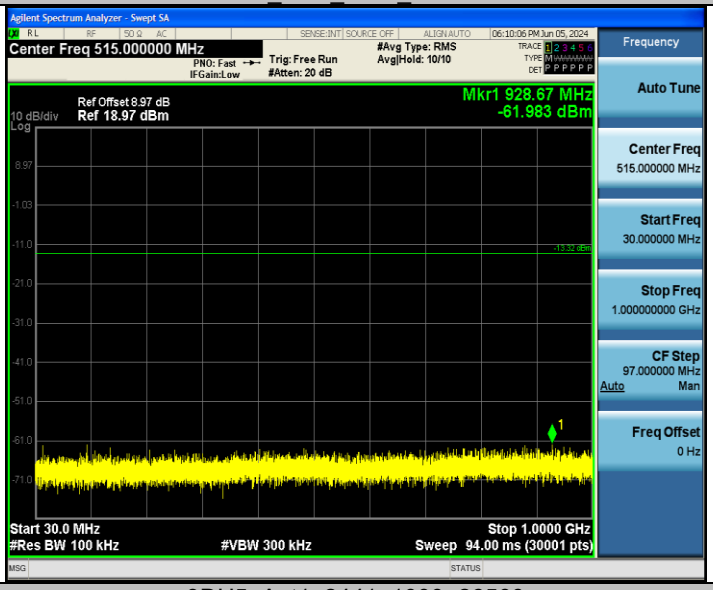

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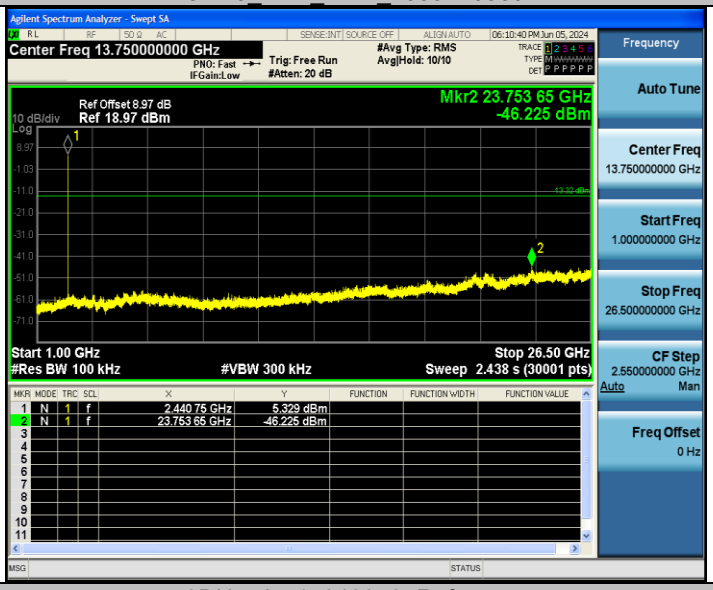

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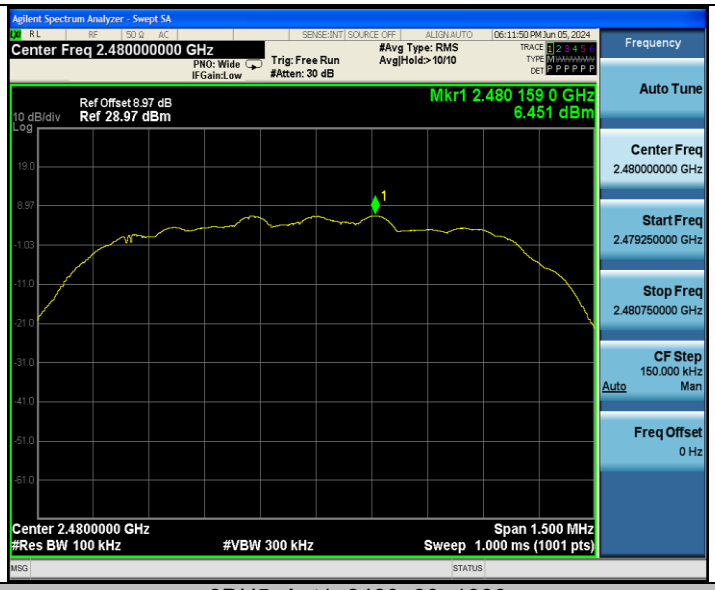

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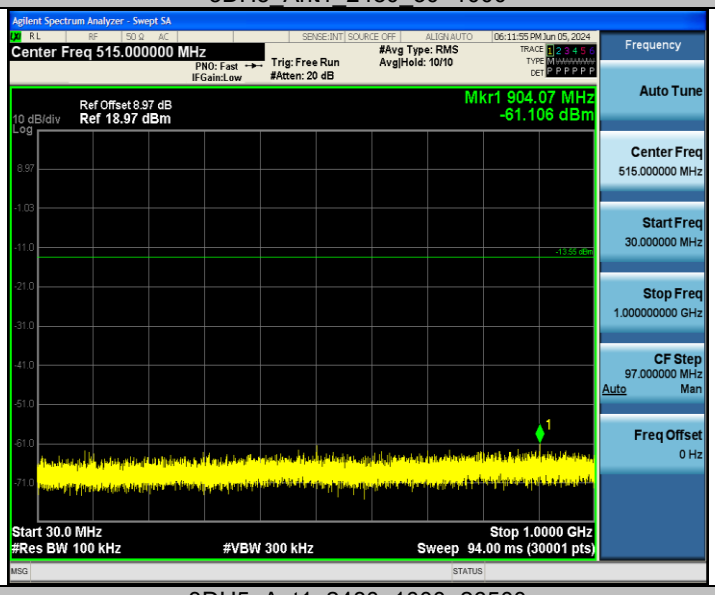

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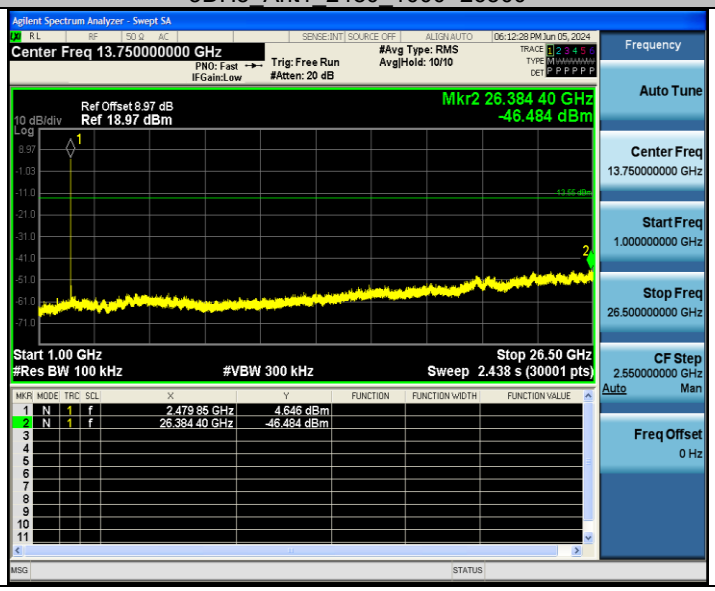

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