Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Smart Meditation Massage eye mask

Trade Mark: CKGO

Test Model: CKGO-Y09

FCC ID: 2BDFY-CKGO-Y09

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

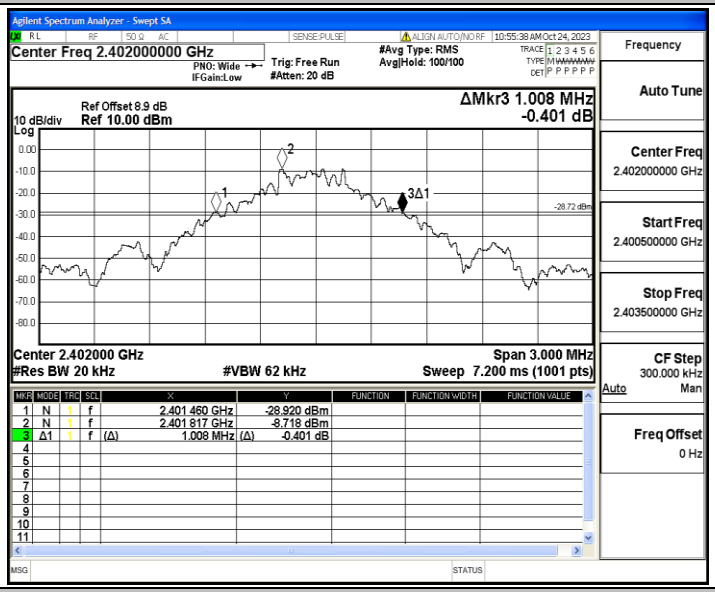
Appendix A: 20dB Emission Bandwidth

Test Result

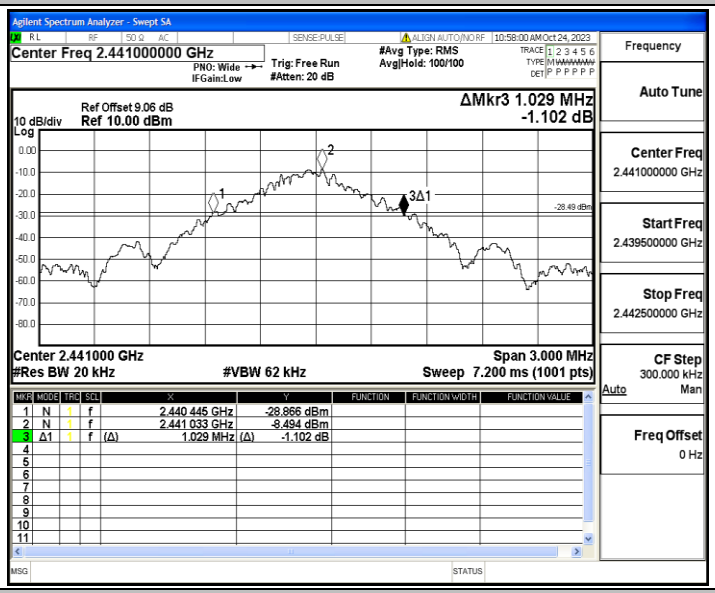
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.008	2401.460	2402.468	---	---
		2441	1.029	2440.445	2441.474	---	---
		2480	1.038	2479.442	2480.480	---	---
2DH5	Ant1	2402	1.251	2401.352	2402.603	---	---
		2441	1.326	2440.313	2441.639	---	---
		2480	1.266	2479.343	2480.609	---	---
3DH5	Ant1	2402	1.326	2401.310	2402.636	---	---
		2441	1.260	2440.331	2441.591	---	---
		2480	1.257	2479.334	2480.591	---	---

Test Graphs

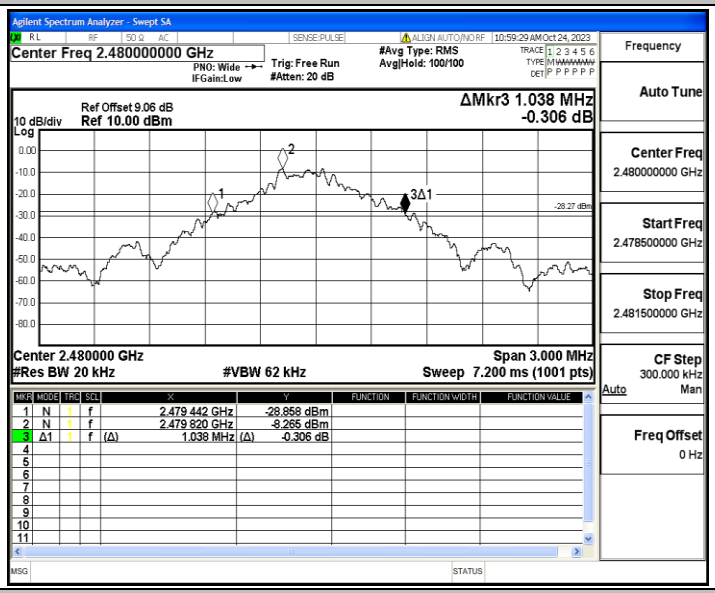
DH5_Ant1_2402



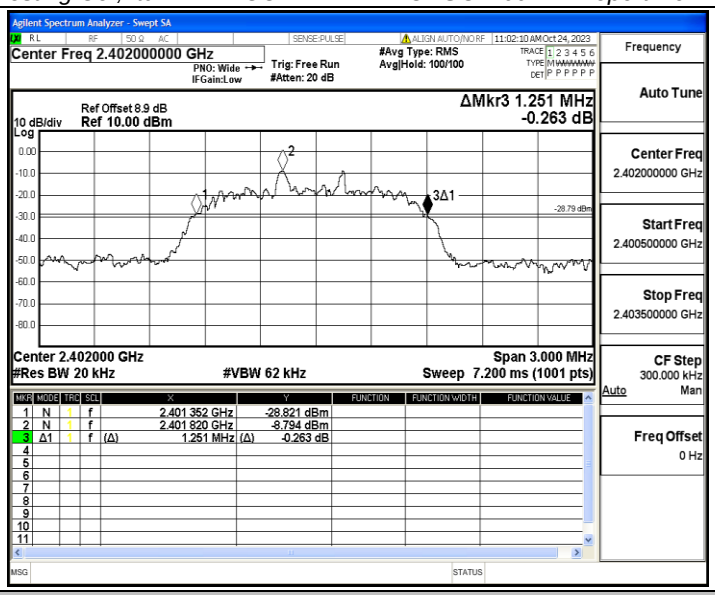
DH5_Ant1_2441



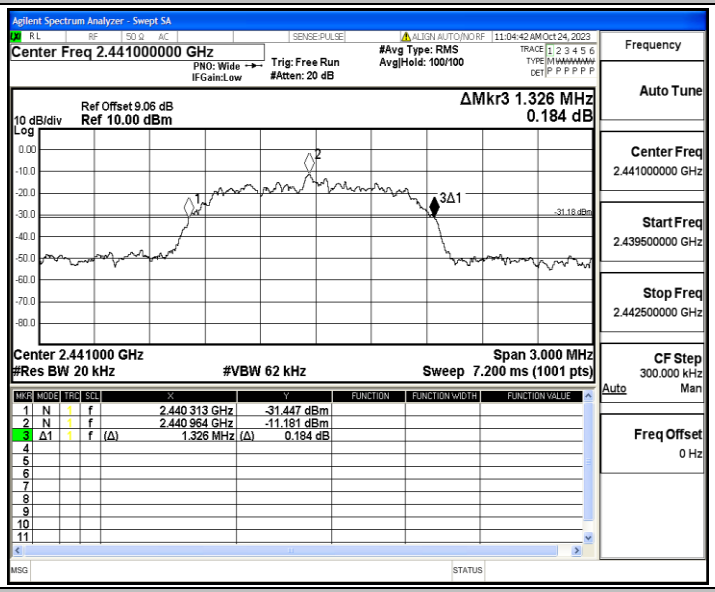
DH5_Ant1_2480



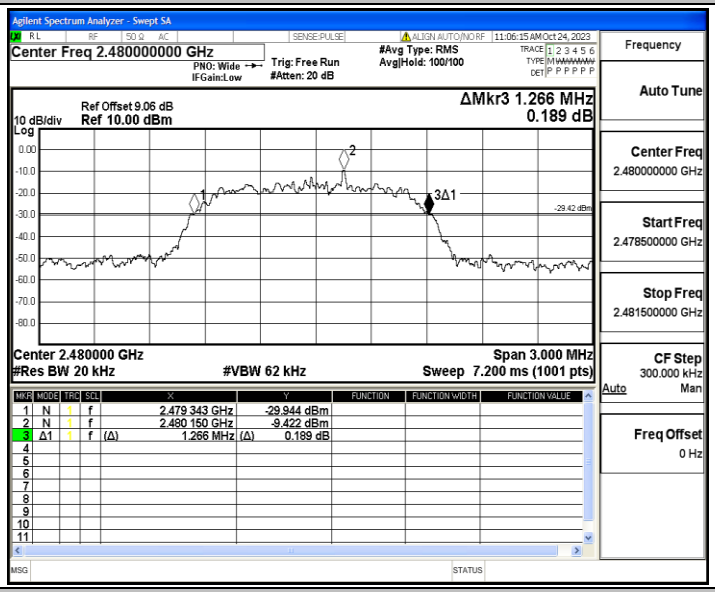
2DH5_Ant1_2402



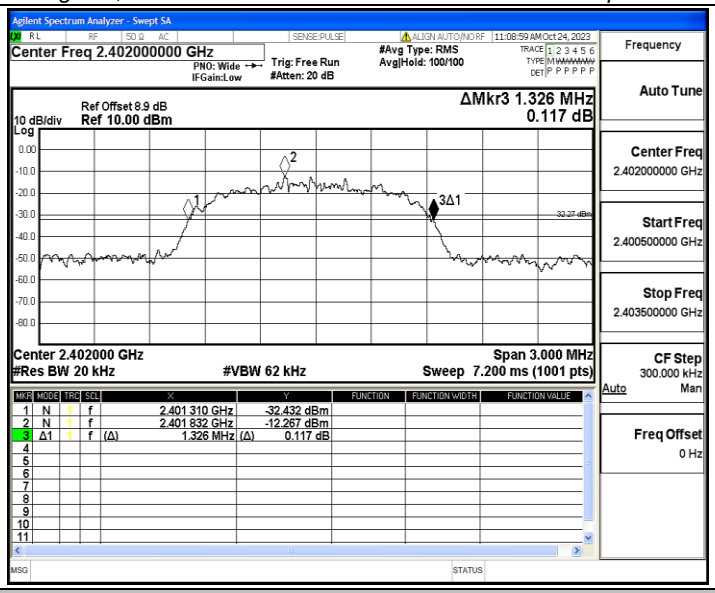
2DH5_Ant1_2441



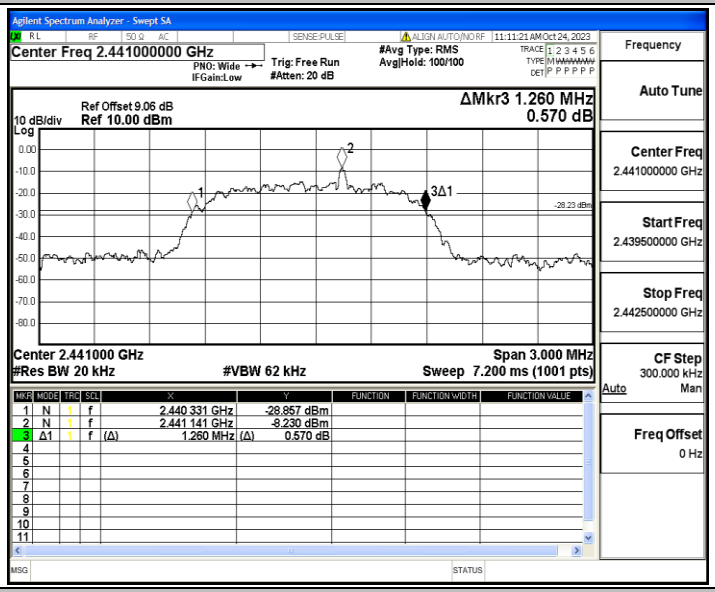
2DH5_Ant1_2480



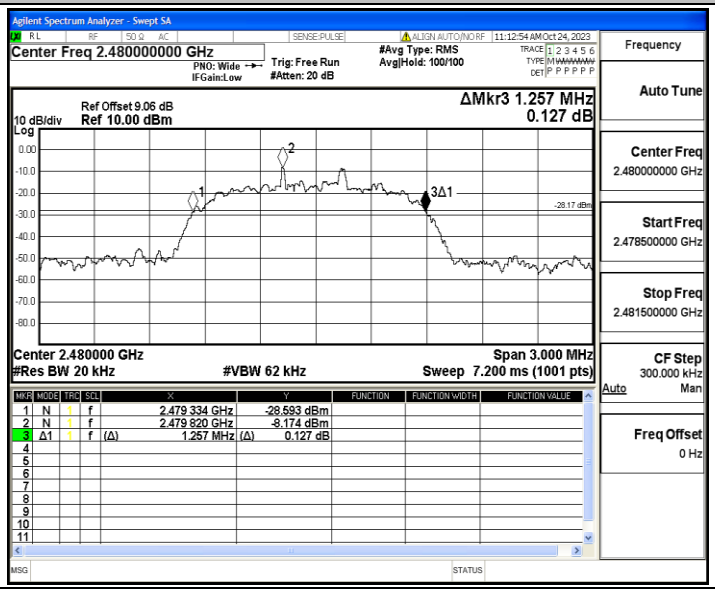
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



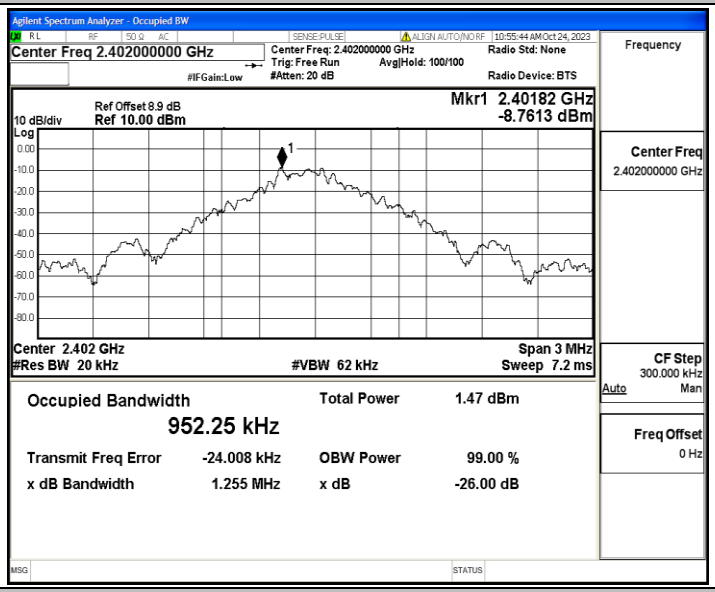
Appendix B: Occupied Channel Bandwidth

Test Result

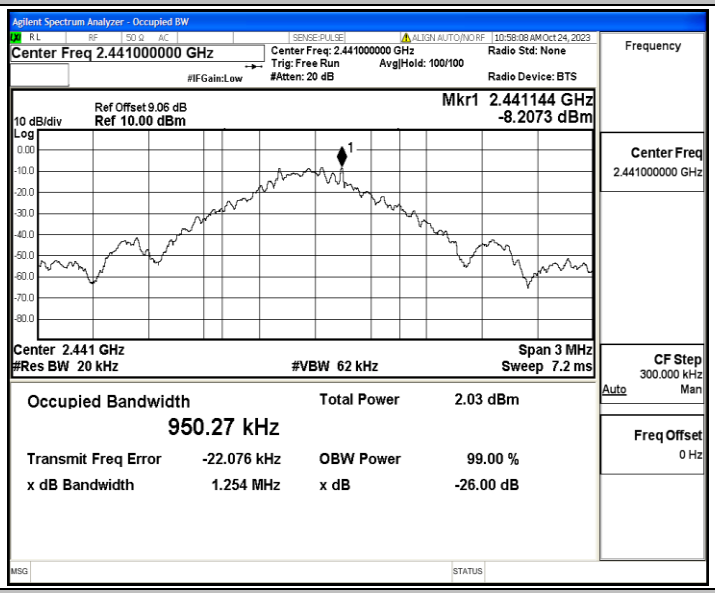
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95225	2401.4999	2402.4521	---	---
		2441	0.95027	2440.5028	2441.4531	---	---
		2480	0.93611	2479.5143	2480.4504	---	---
2DH5	Ant1	2402	1.1752	2401.3879	2402.5631	---	---
		2441	1.1784	2440.3853	2441.5637	---	---
		2480	1.1786	2479.3860	2480.5646	---	---
3DH5	Ant1	2402	1.1935	2401.3719	2402.5654	---	---
		2441	1.1905	2440.3724	2441.5629	---	---
		2480	1.1894	2479.3754	2480.5648	---	---

Test Graphs

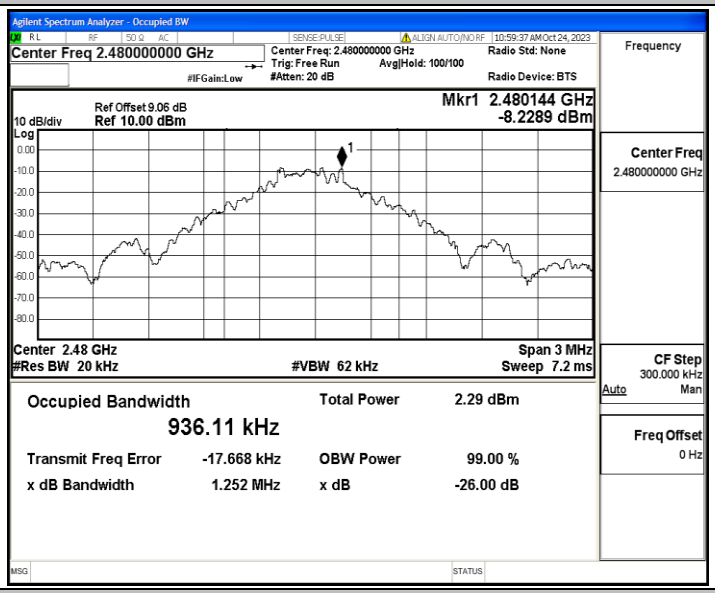
DH5_Ant1_2402



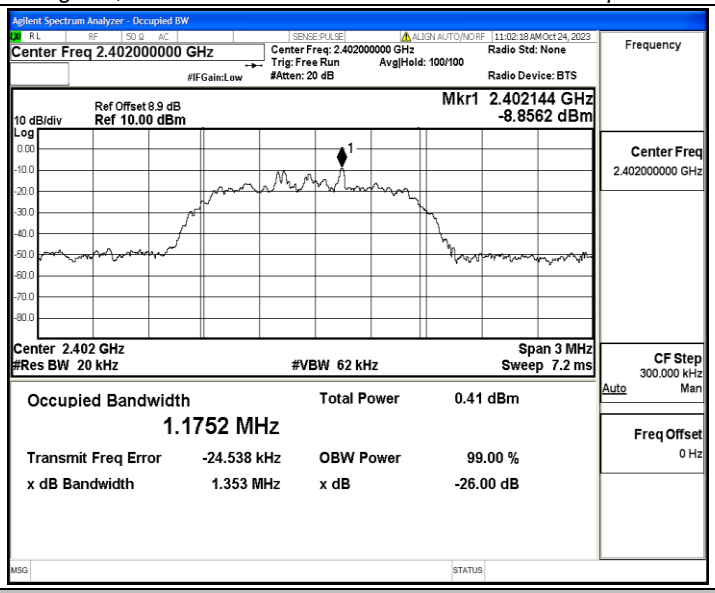
DH5_Ant1_2441



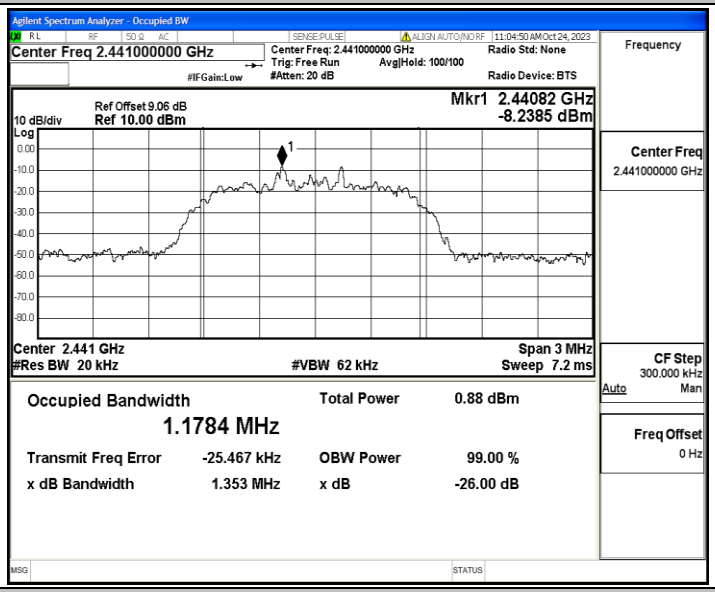
DH5_Ant1_2480



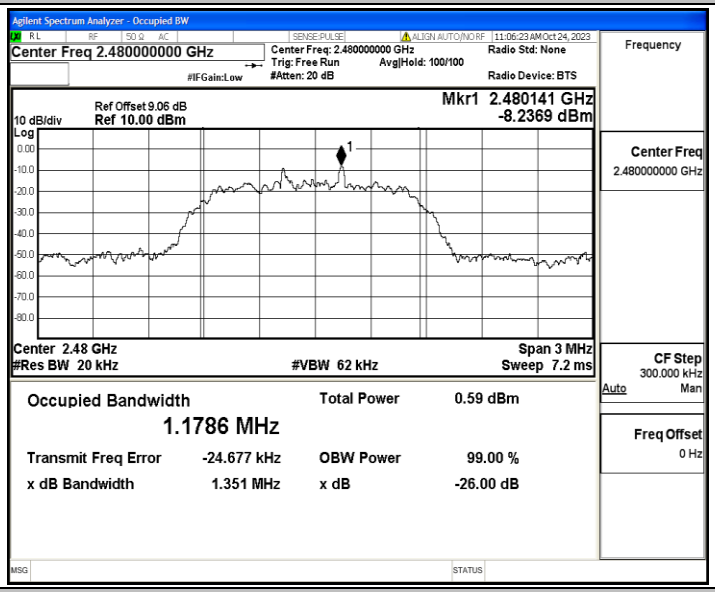
2DH5_Ant1_2402



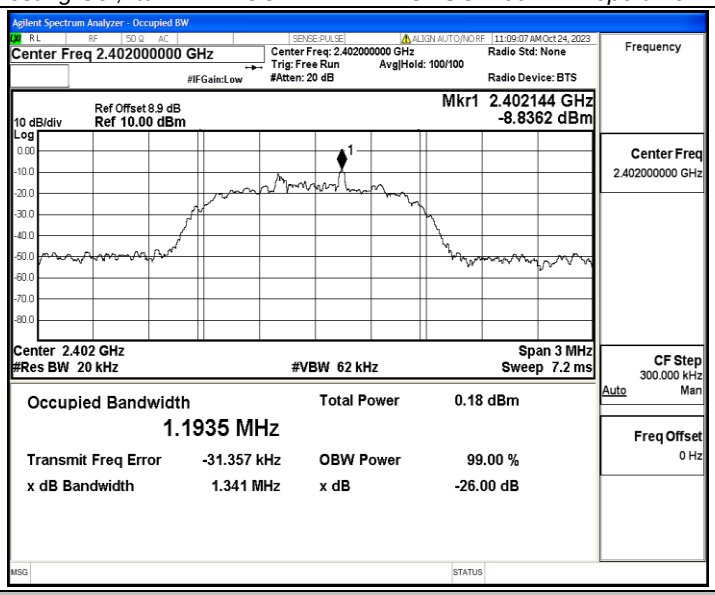
2DH5_Ant1_2441



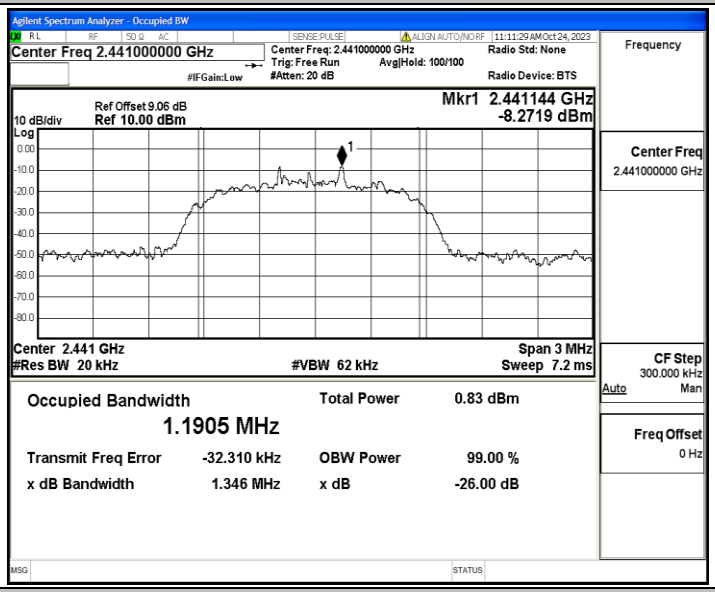
2DH5_Ant1_2480



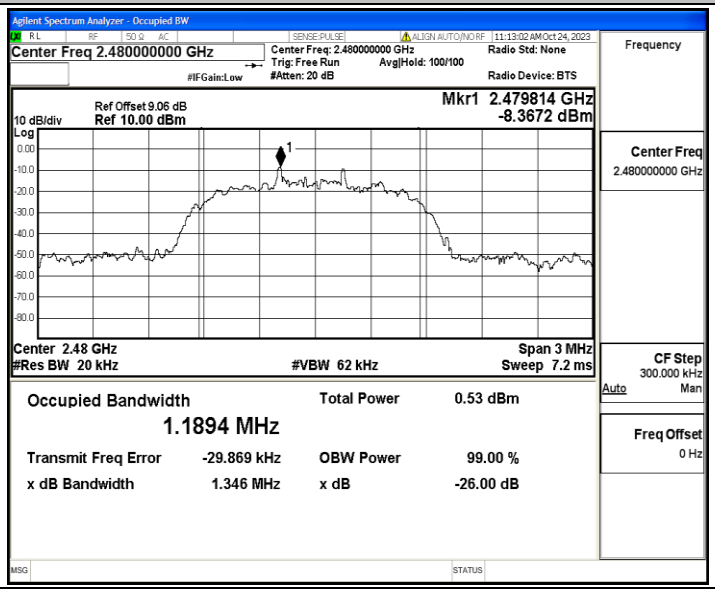
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



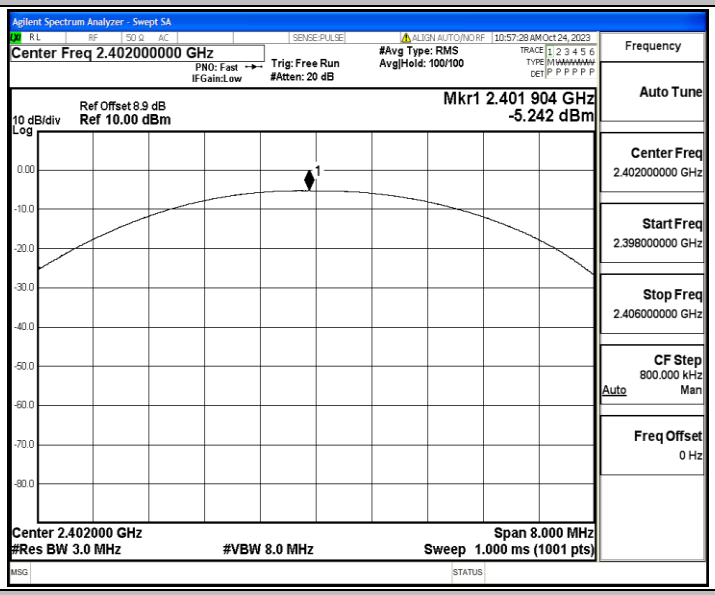
Appendix C: Maximum Peak conducted output power

Test Result

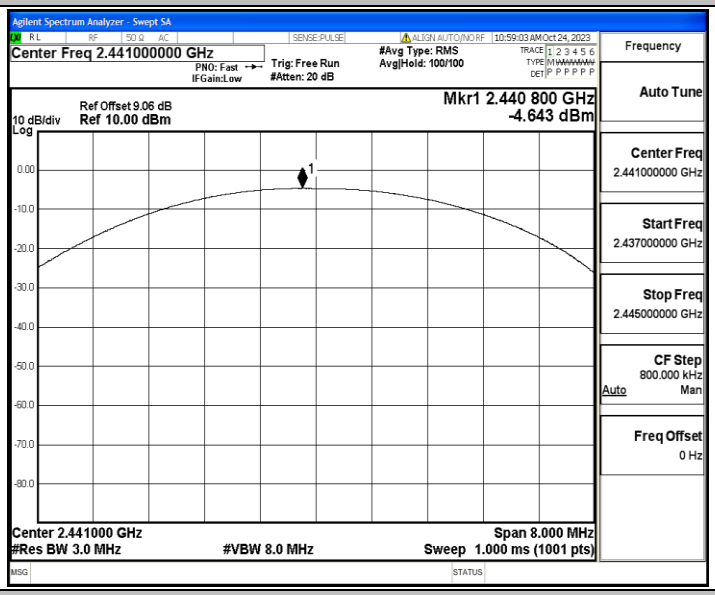
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-5.24	≤30	PASS
		2441	-4.64	≤30	PASS
		2480	-4.71	≤30	PASS
2DH5	Ant1	2402	-5.24	≤20.97	PASS
		2441	-4.71	≤20.97	PASS
		2480	-4.68	≤20.97	PASS
3DH5	Ant1	2402	-5.35	≤20.97	PASS
		2441	-4.66	≤20.97	PASS
		2480	-4.81	≤20.97	PASS

Test Graphs

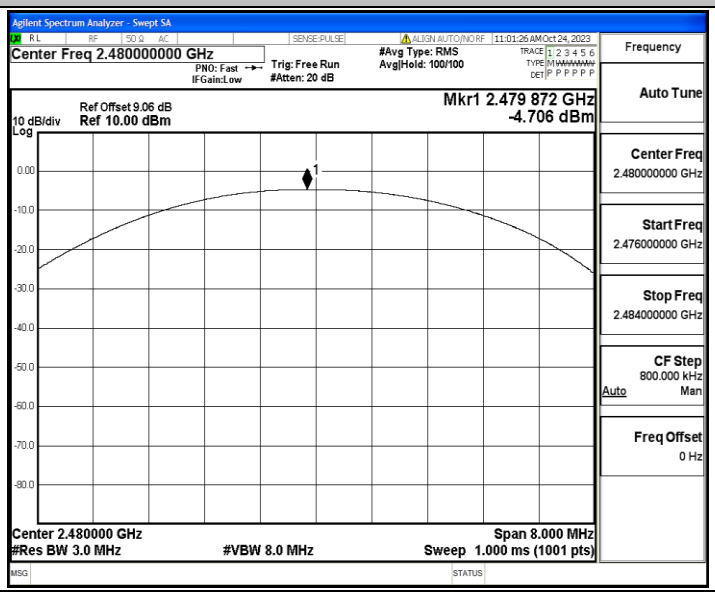
DH5_Ant1_2402



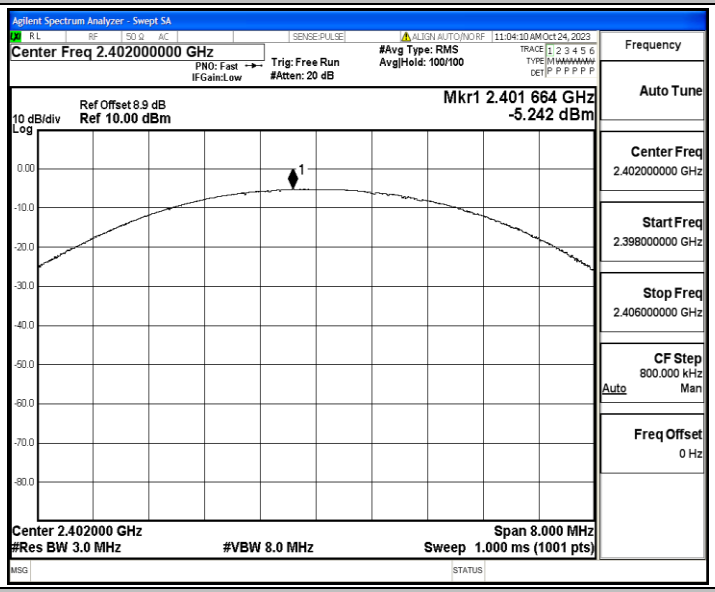
DH5_Ant1_2441



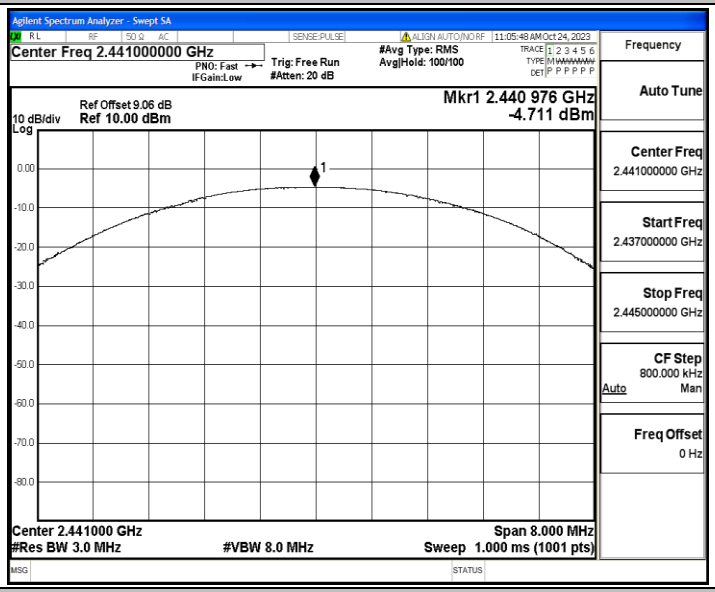
DH5_Ant1_2480



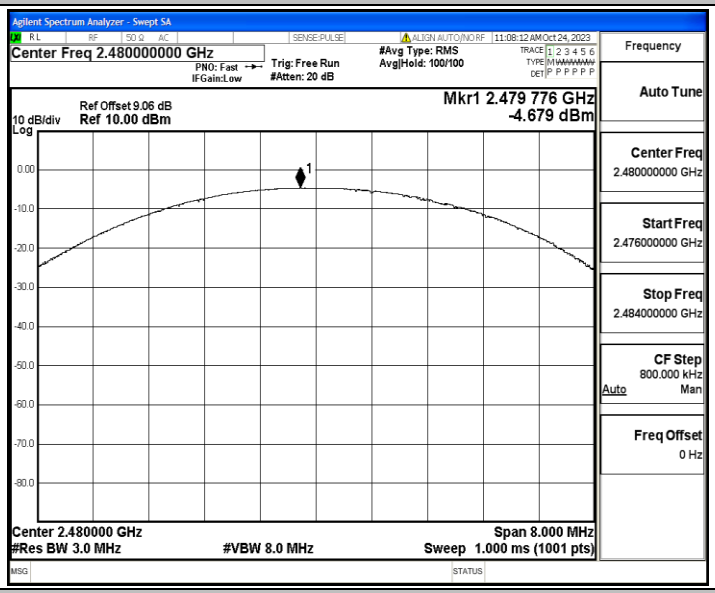
2DH5_Ant1_2402



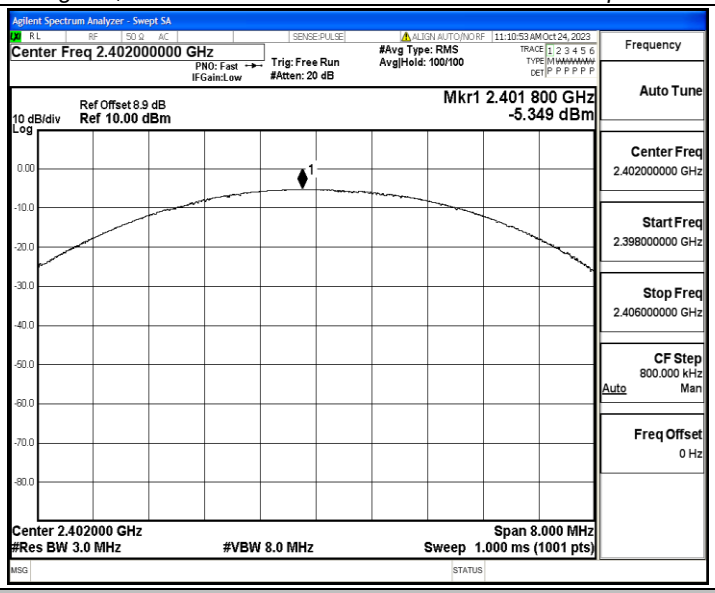
2DH5_Ant1_2441



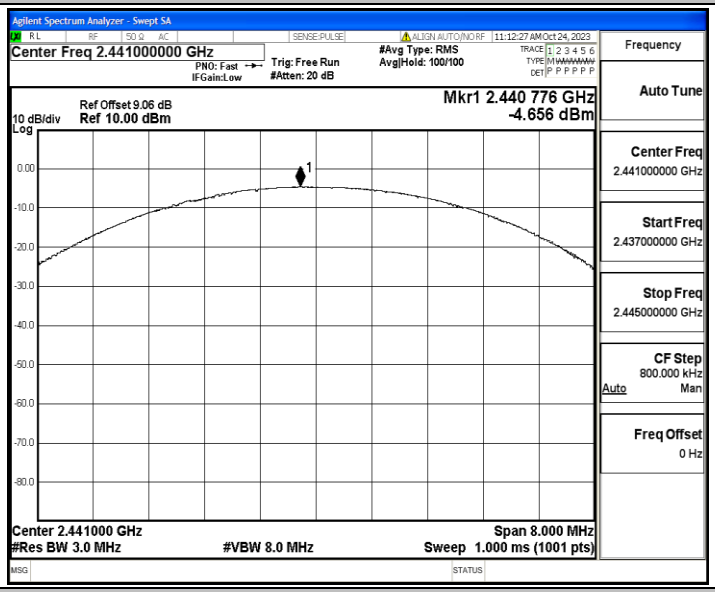
2DH5_Ant1_2480



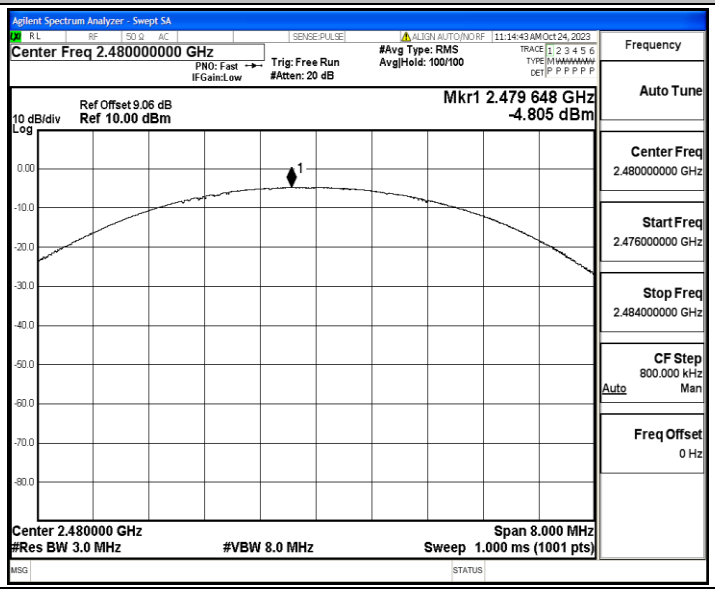
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



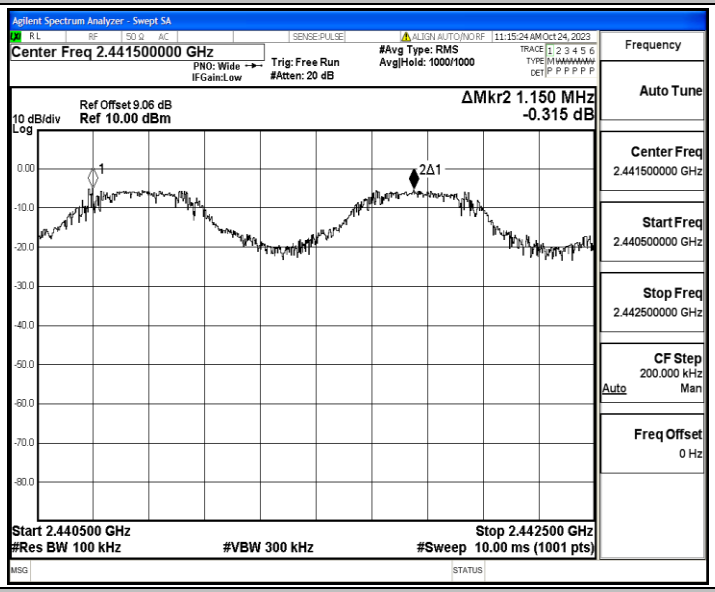
Appendix D: Carrier frequency separation

Test Result

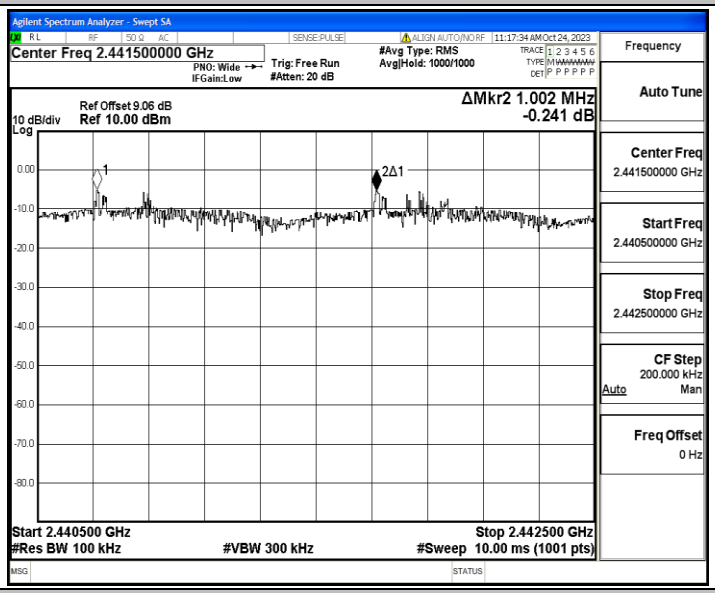
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.15	≥1.038	PASS
2DH5	Ant1	Hop	1.002	≥0.884	PASS
3DH5	Ant1	Hop	1.01	≥0.884	PASS

Test Graphs

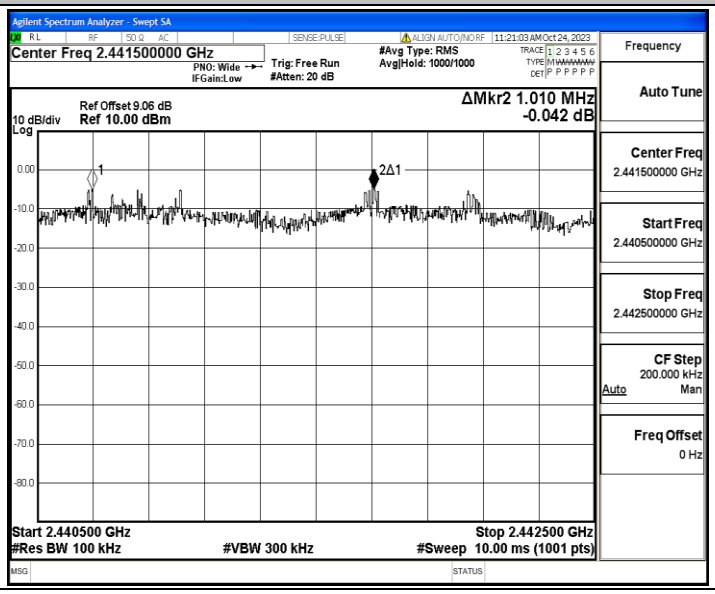
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

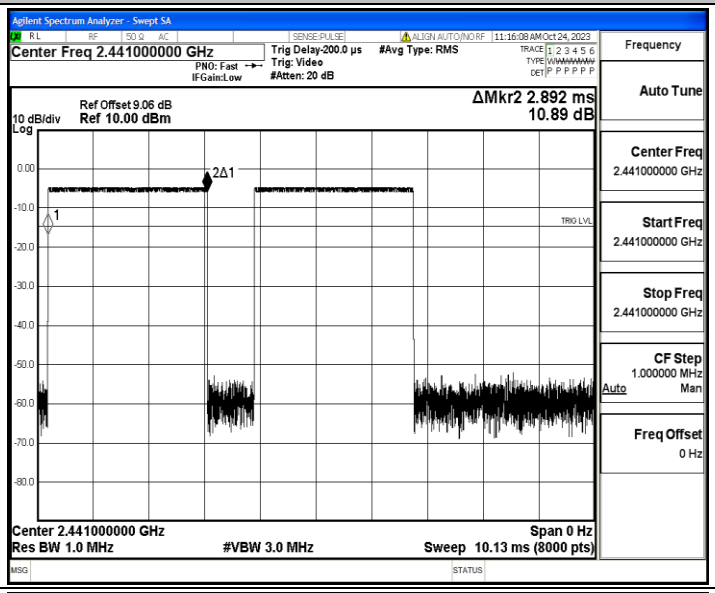
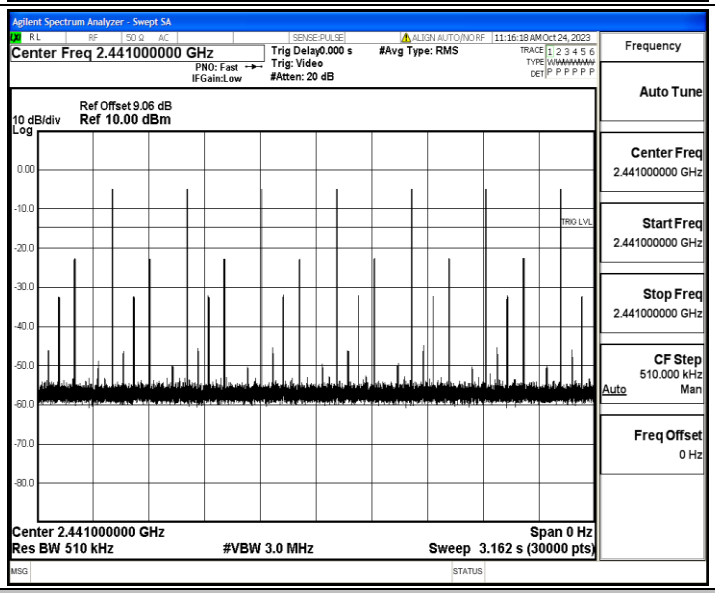
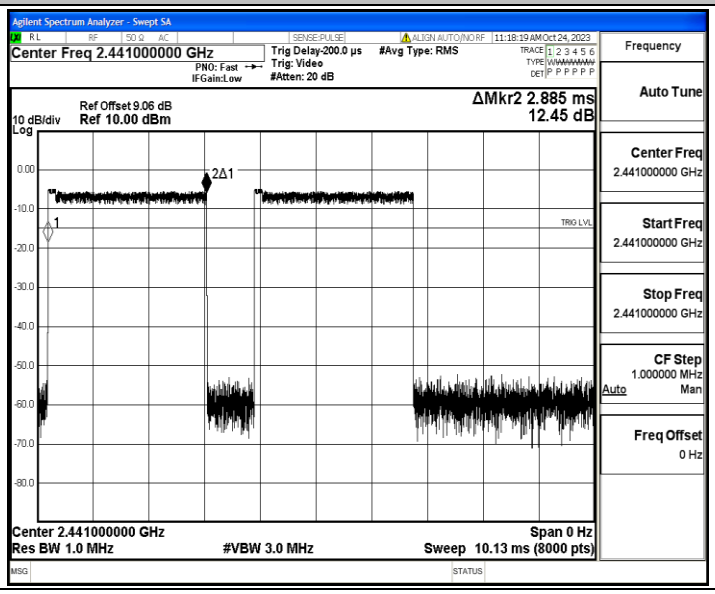


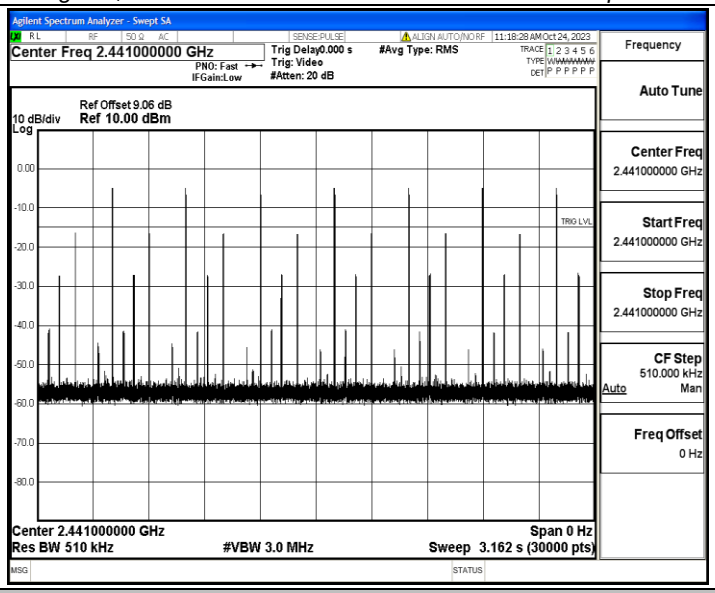
Appendix E: Time of occupancy

Test Result

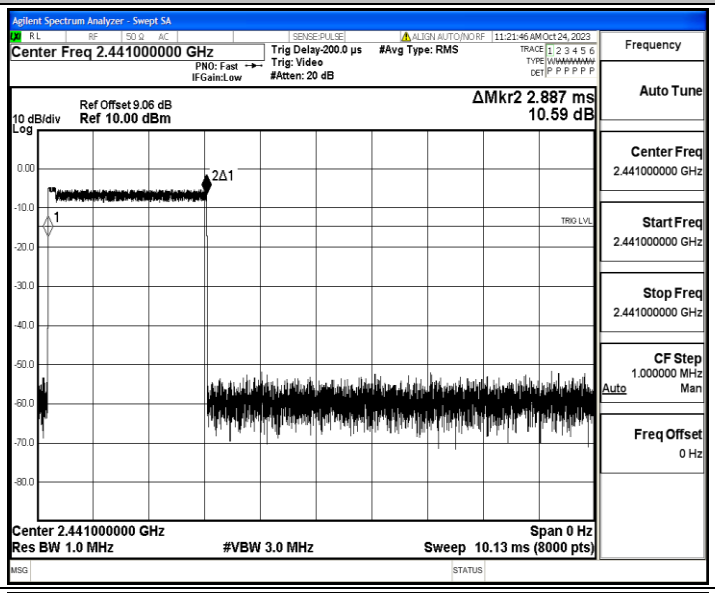
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.892	90	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.885	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.887	100	0.289	≤0.4	PASS

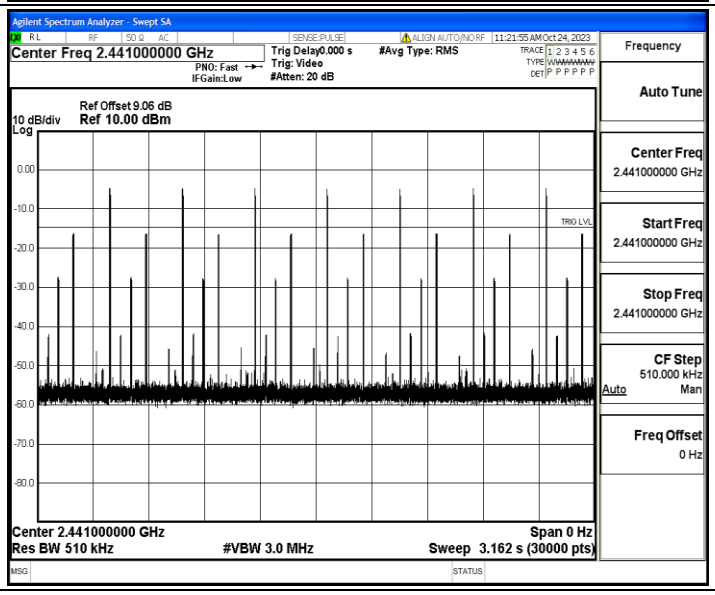
Test Graphs

DH5_Ant1_Hop


2DH5_Ant1_Hop




3DH5_Ant1_Hop





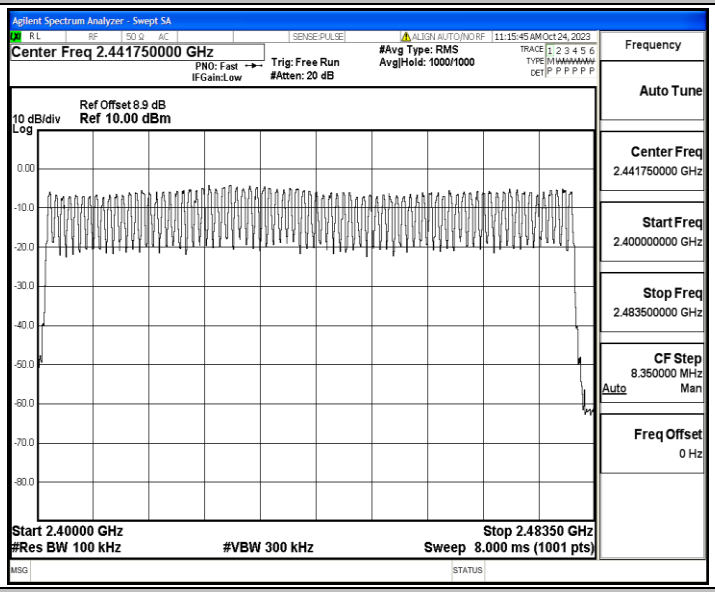
Appendix F: Number of hopping channels

Test Result

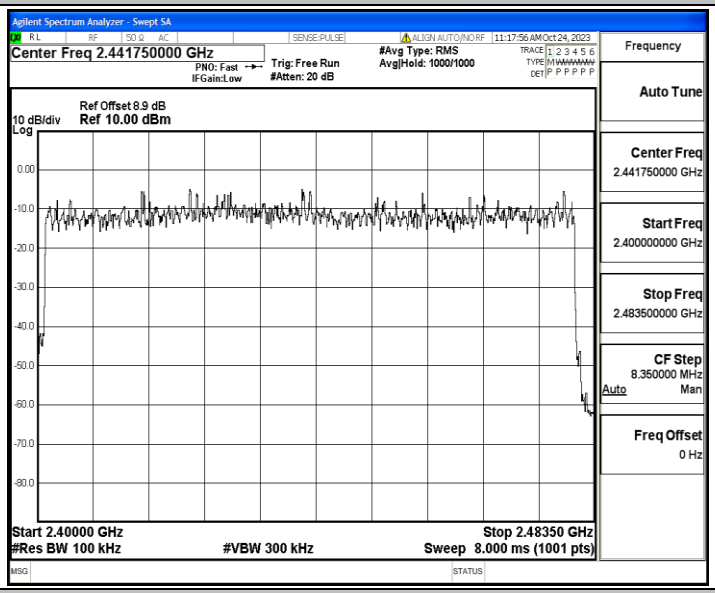
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

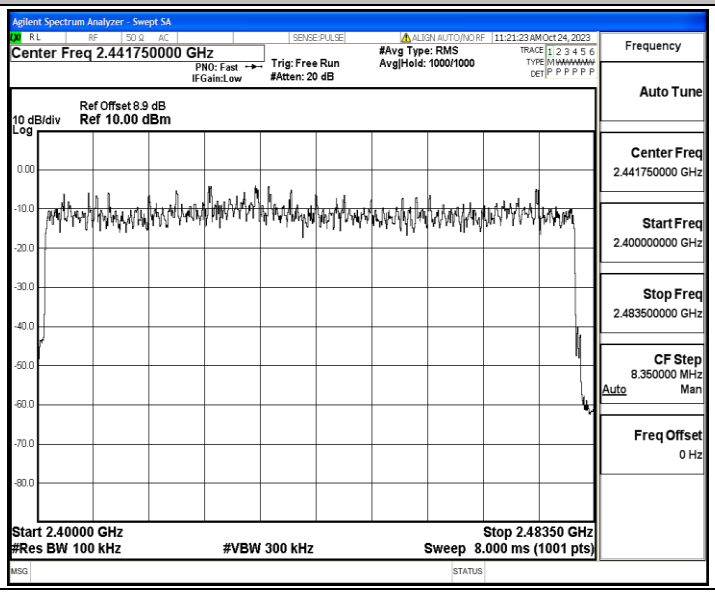
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



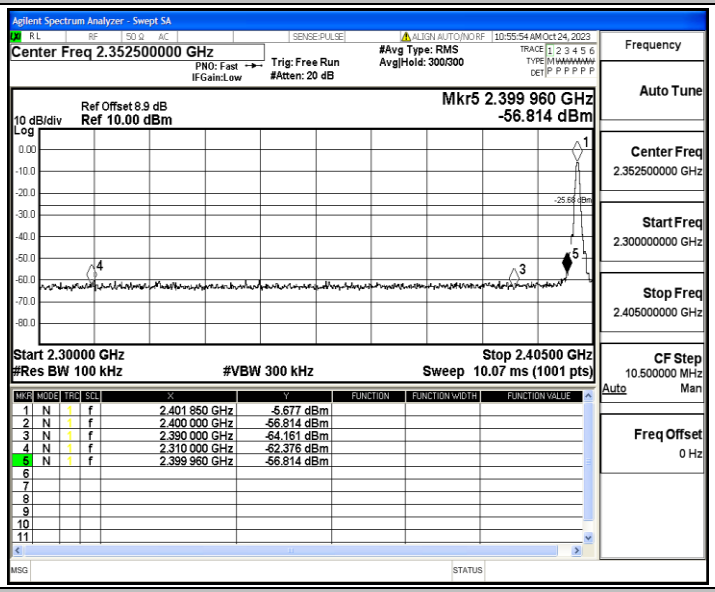
Appendix G: Band edge measurements

Test Result

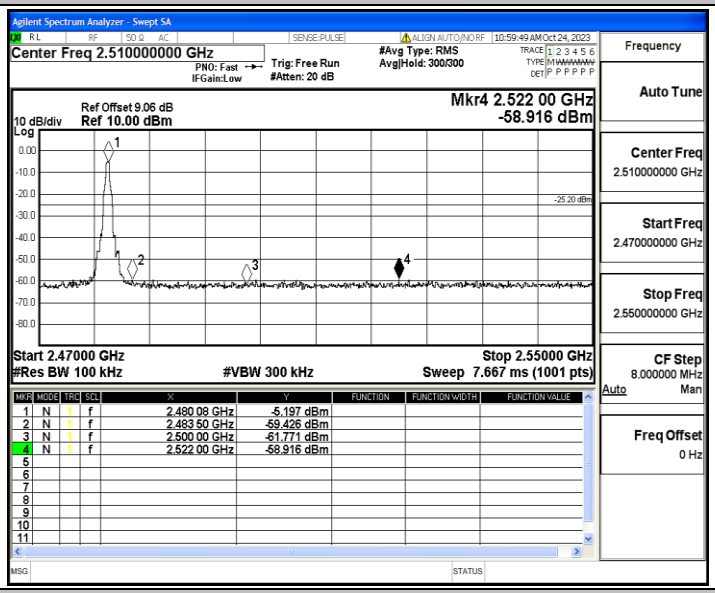
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-5.68	-56.81	≤-25.68	PASS
		High	2480	-5.20	-58.92	≤-25.2	PASS
		Low	Hop_2402	-6.54	-60.91	≤-26.54	PASS
		High	Hop_2480	-5.00	-59.6	≤-25	PASS
2DH5	Ant1	Low	2402	-5.87	-52.3	≤-25.87	PASS
		High	2480	-4.84	-59.34	≤-24.84	PASS
		Low	Hop_2402	-8.91	-60.56	≤-28.91	PASS
		High	Hop_2480	-5.46	-59.73	≤-25.46	PASS
3DH5	Ant1	Low	2402	-5.69	-53.56	≤-25.69	PASS
		High	2480	-4.96	-58.9	≤-24.96	PASS
		Low	Hop_2402	-10.51	-60.71	≤-30.51	PASS
		High	Hop_2480	-5.50	-59.1	≤-25.5	PASS

Test Graphs

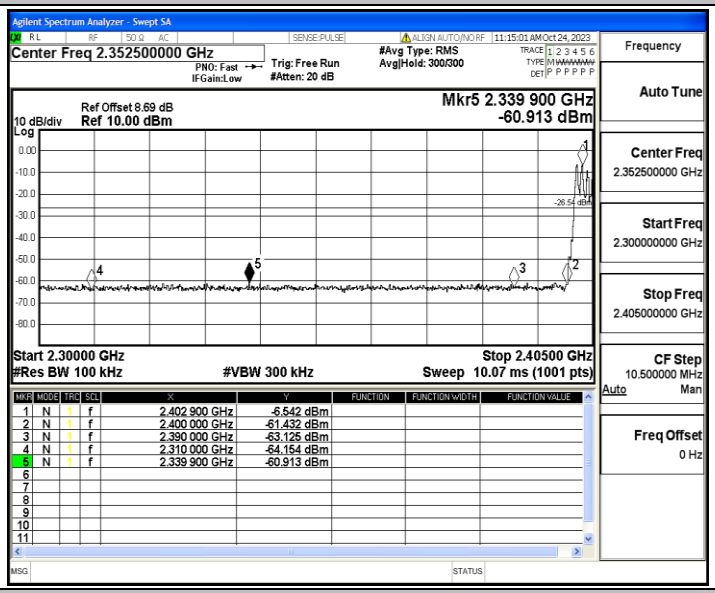
DH5_Ant1_Low_2402



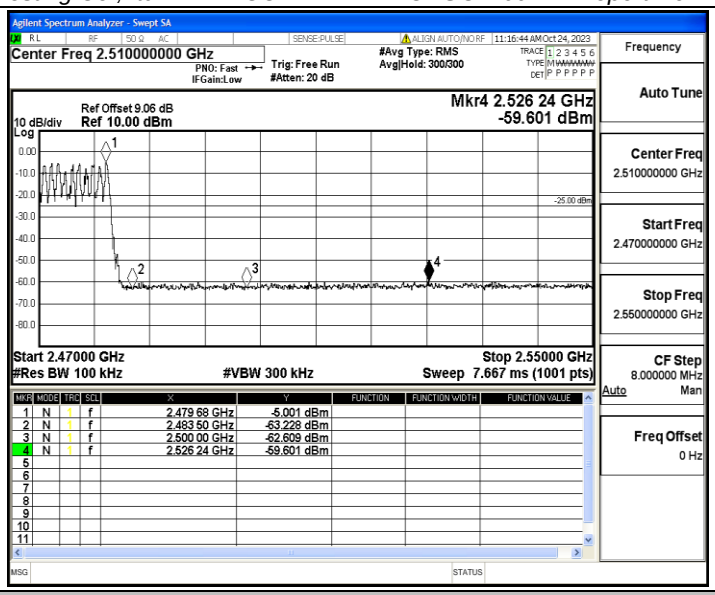
DH5_Ant1_High_2480



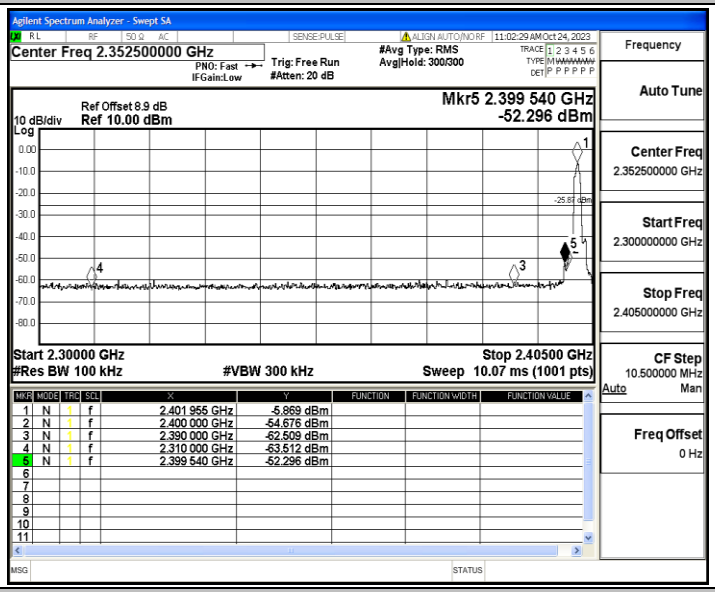
DH5_Ant1_Low_Hop_2402



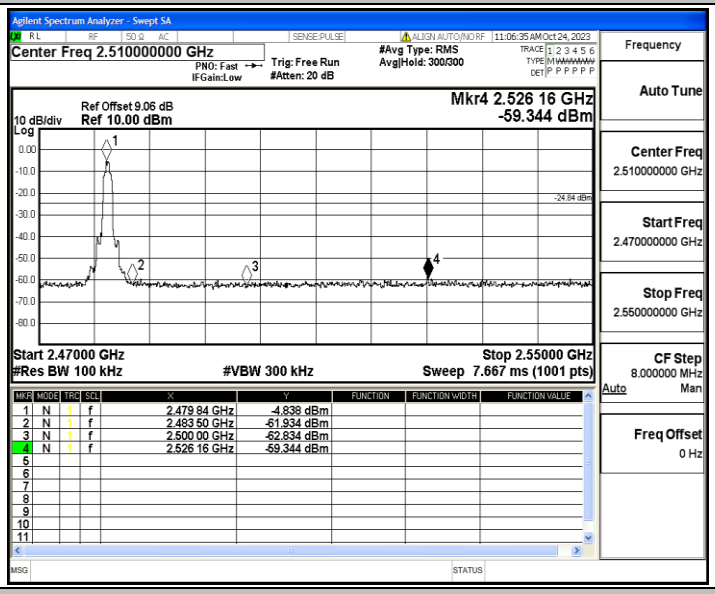
DH5_Ant1_High_Hop_2480



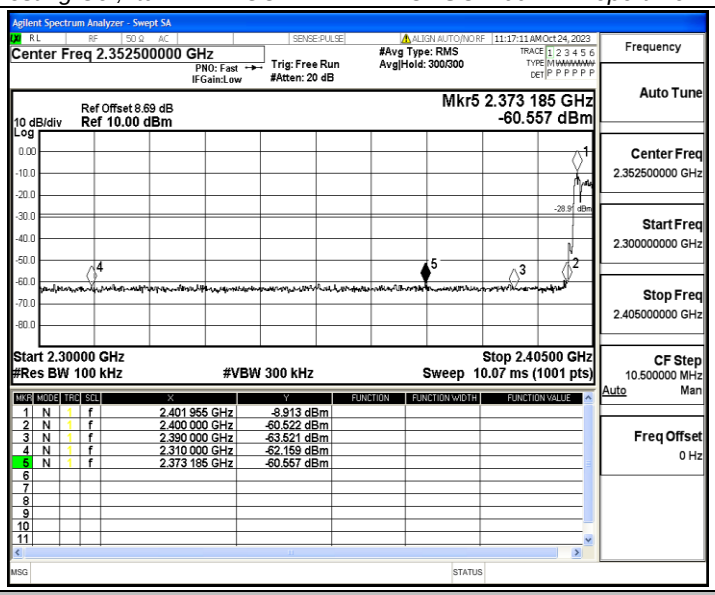
2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



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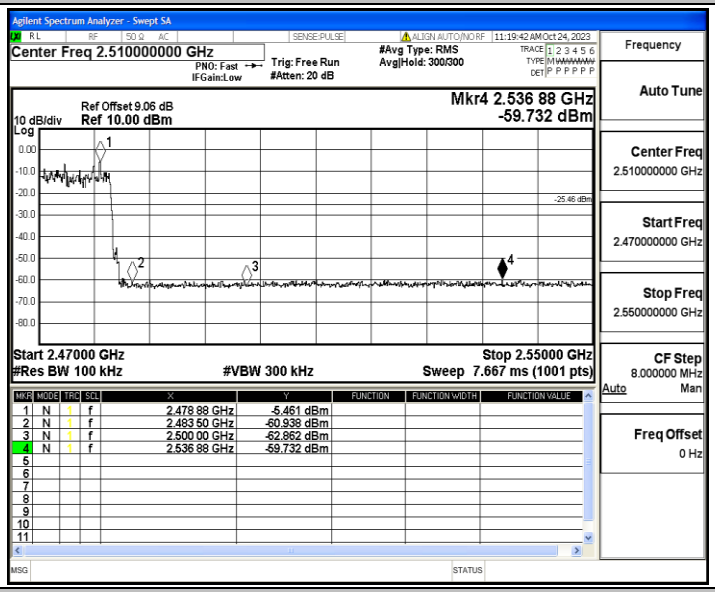

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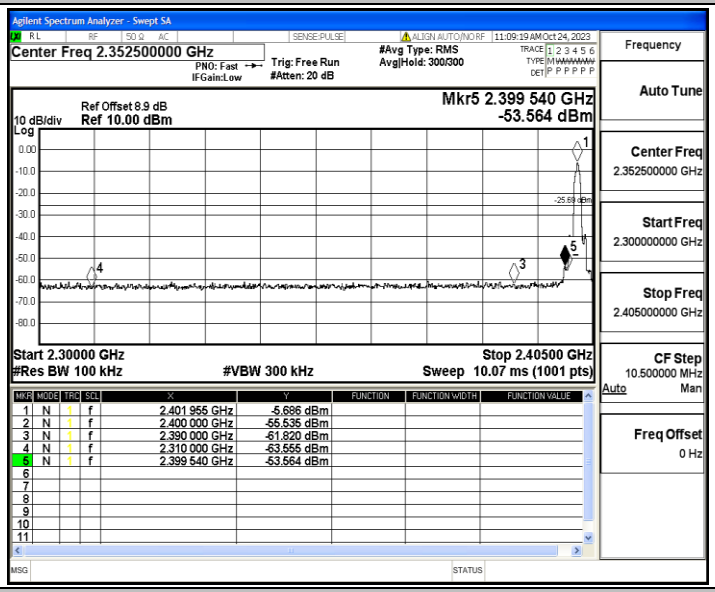

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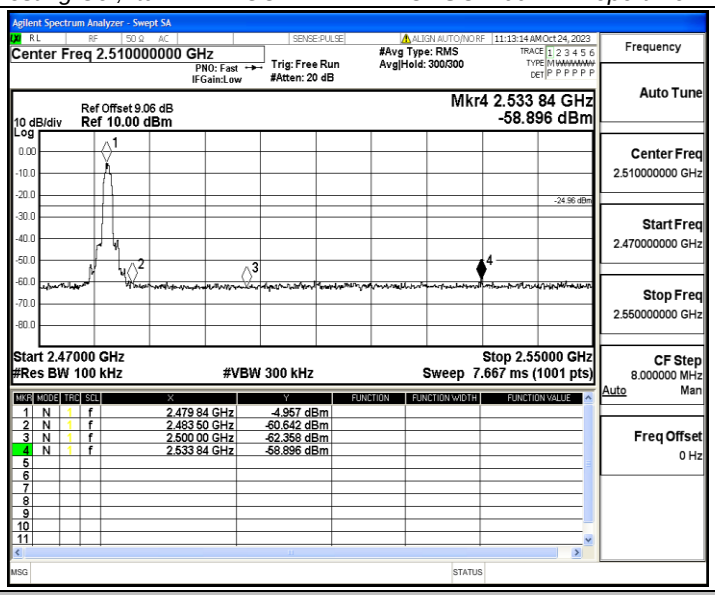

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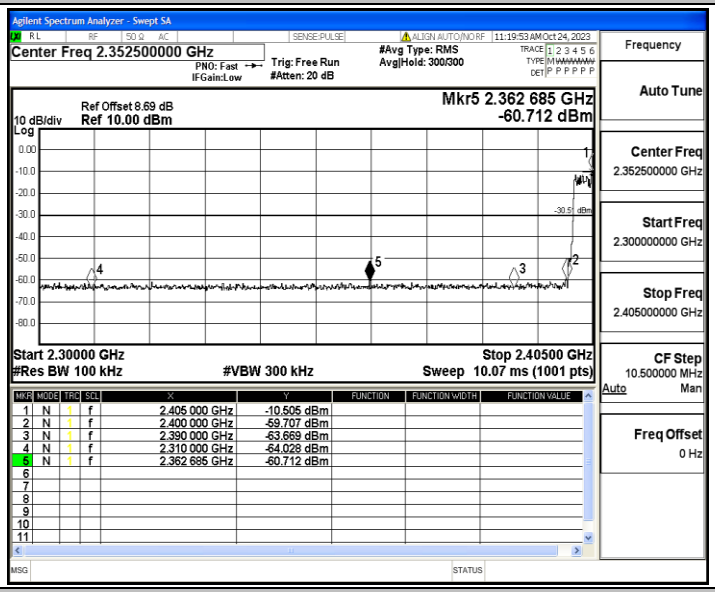

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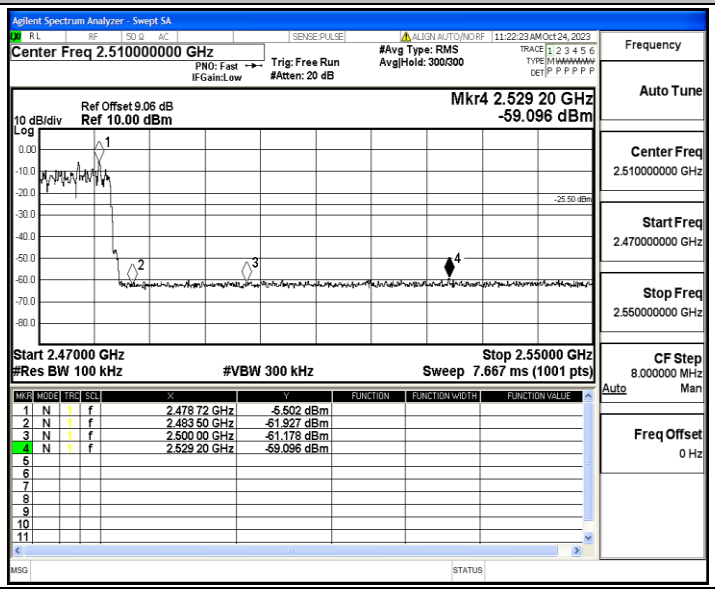


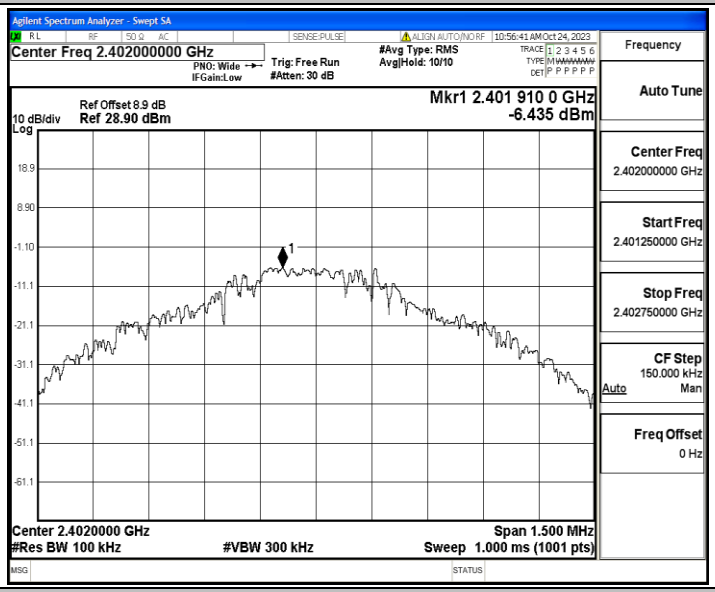
Appendix H: Conducted Spurious Emission

Test Result

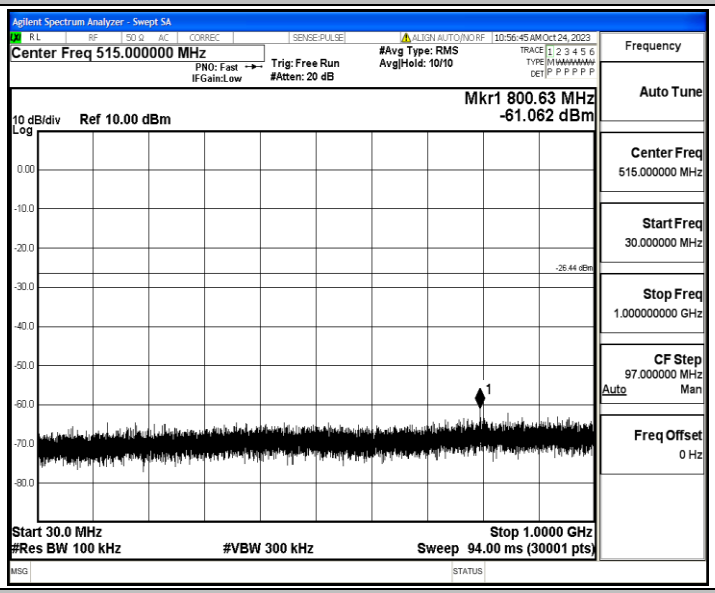
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-6.44	-6.44	---	PASS
			30~1000	-6.44	-61.06	≤-26.44	PASS
			1000~26500	-6.44	-44.26	≤-26.44	PASS
		2441	Reference	-5.34	-5.34	---	PASS
			30~1000	-5.34	-58.28	≤-25.34	PASS
			1000~26500	-5.34	-49.42	≤-25.34	PASS
		2480	Reference	-5.33	-5.33	---	PASS
			30~1000	-5.33	-60.79	≤-25.33	PASS
			1000~26500	-5.33	-49.92	≤-25.33	PASS
2DH5	Ant1	2402	Reference	-10.51	-10.51	---	PASS
			30~1000	-10.51	-62.88	≤-30.51	PASS
			1000~26500	-10.51	-46.64	≤-30.51	PASS
		2441	Reference	-6.30	-6.30	---	PASS
			30~1000	-6.30	-61.83	≤-26.3	PASS
			1000~26500	-6.30	-50	≤-26.3	PASS
		2480	Reference	-6.77	-6.77	---	PASS
			30~1000	-6.77	-61.91	≤-26.77	PASS
			1000~26500	-6.77	-50.29	≤-26.77	PASS
3DH5	Ant1	2402	Reference	-5.65	-5.65	---	PASS
			30~1000	-5.65	-62.02	≤-25.65	PASS
			1000~26500	-5.65	-44.61	≤-25.65	PASS
		2441	Reference	-5.97	-5.97	---	PASS
			30~1000	-5.97	-62.17	≤-25.97	PASS
			1000~26500	-5.97	-50.38	≤-25.97	PASS
		2480	Reference	-9.27	-9.27	---	PASS
			30~1000	-9.27	-62.45	≤-29.27	PASS
			1000~26500	-9.27	-49.83	≤-29.27	PASS

Test Graphs

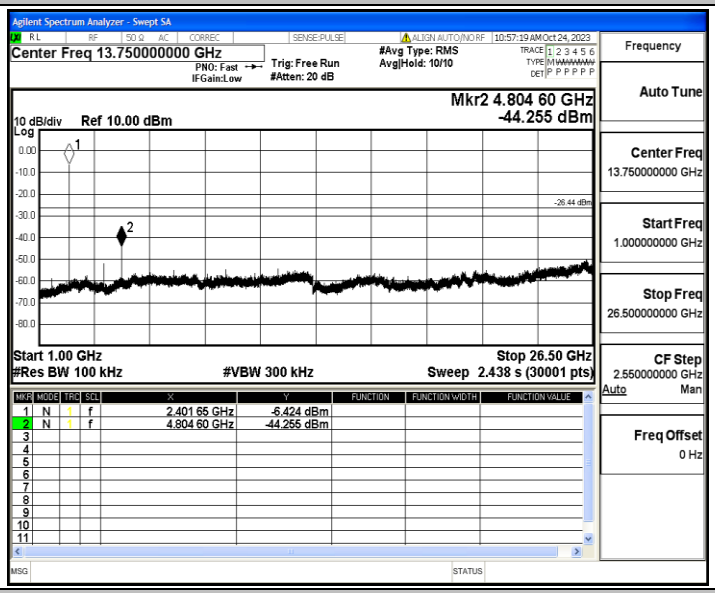
DH5_Ant1_2402_0~Reference



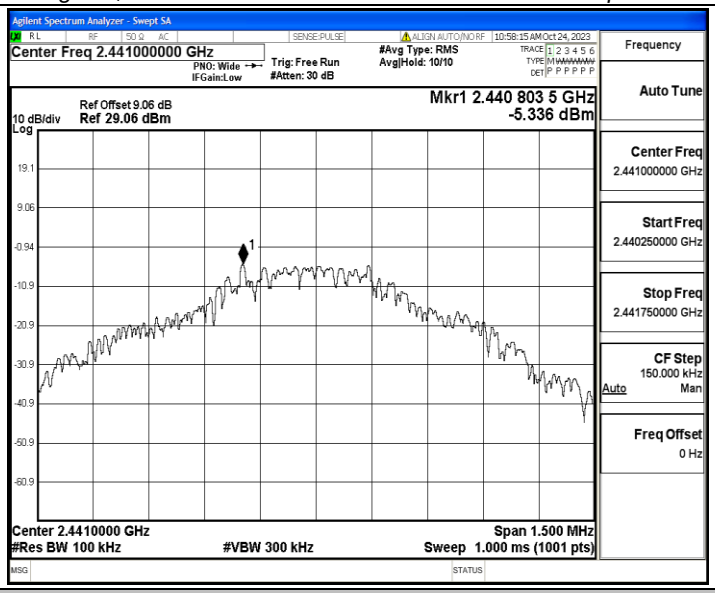
DH5_Ant1_2402_30~1000



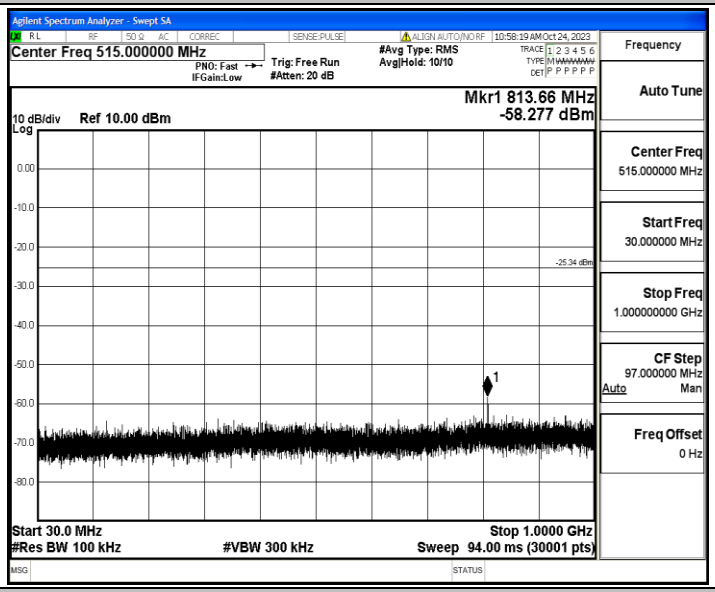
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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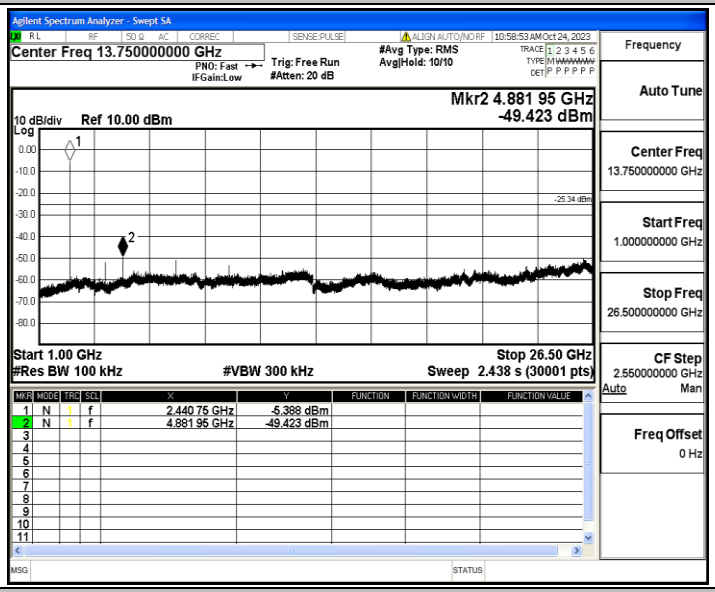
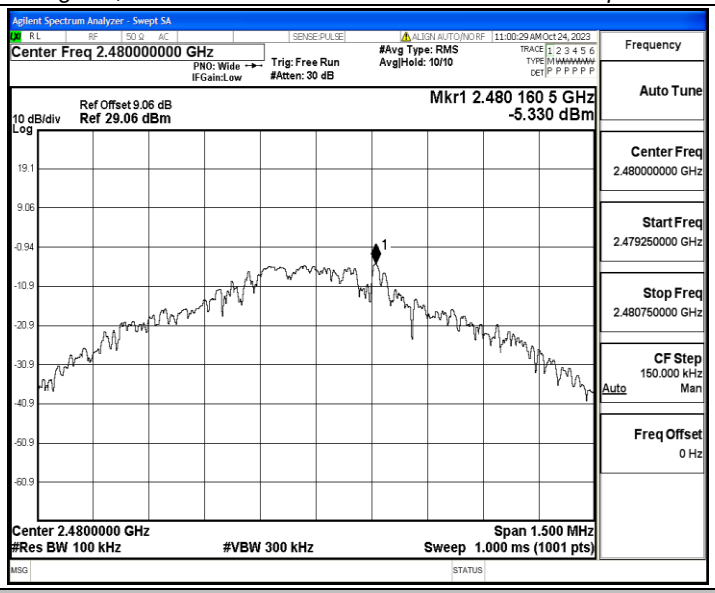
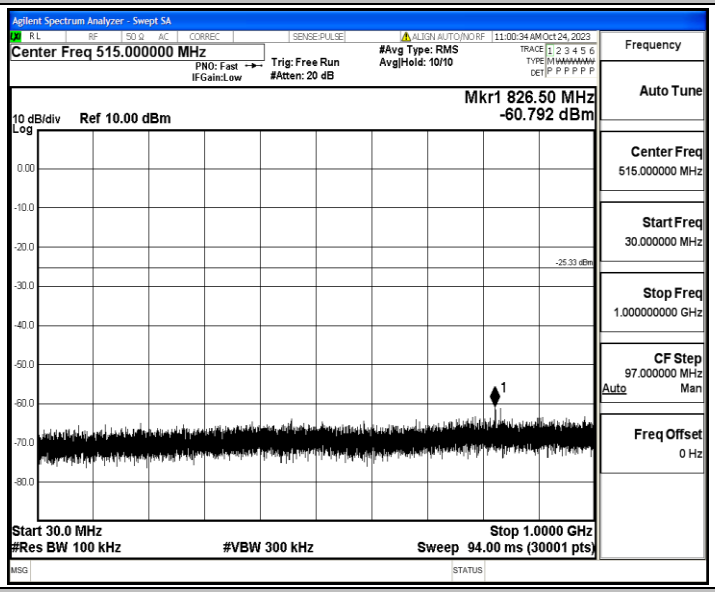


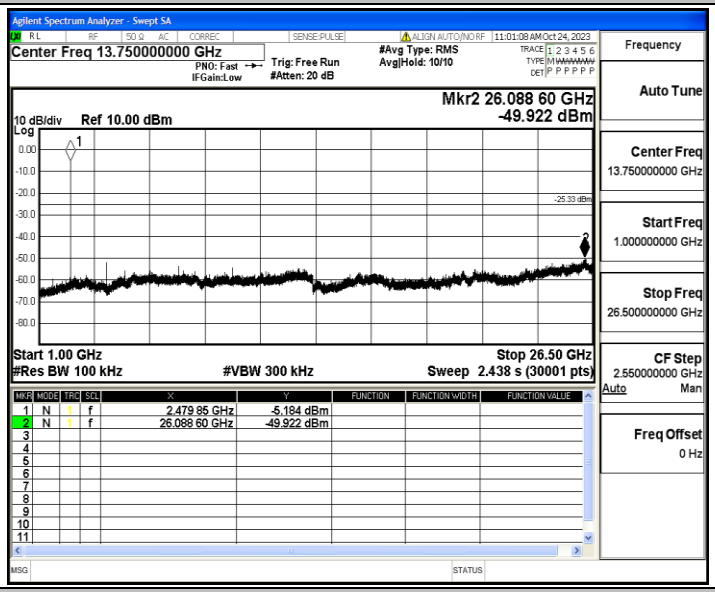
DH5_Ant1_2480_0~Reference



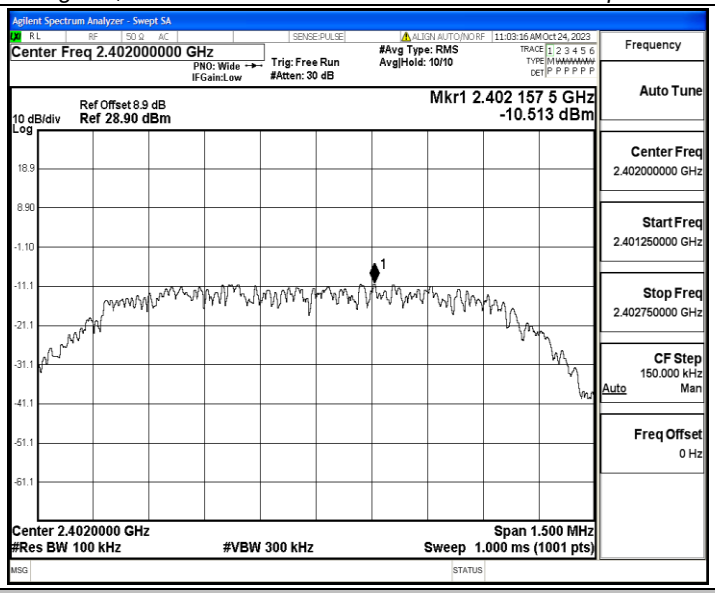
DH5_Ant1_2480_30~1000



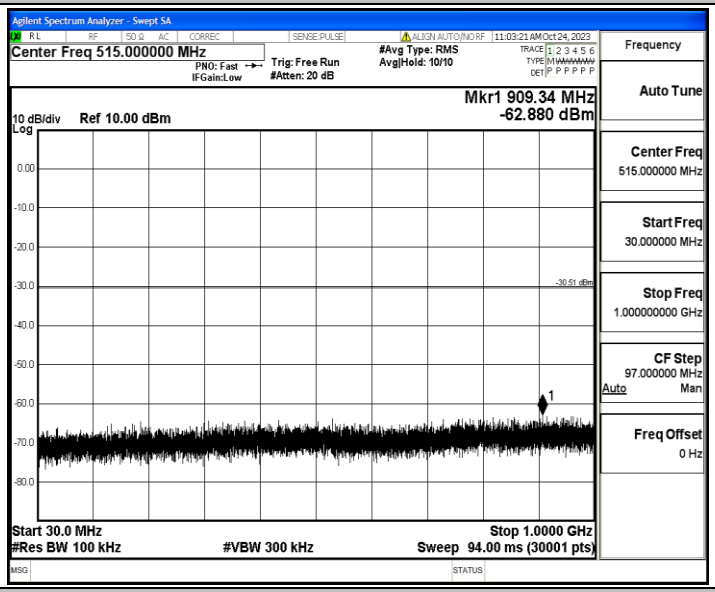
DH5_Ant1_2480_1000~26500



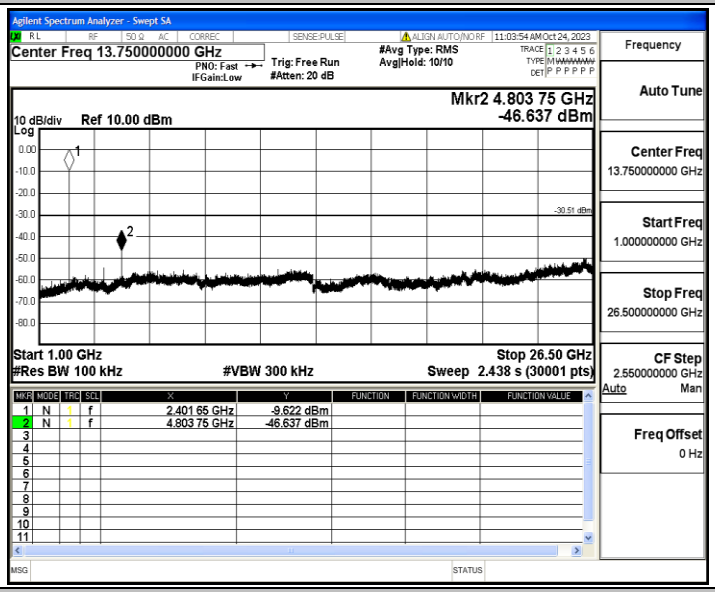
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



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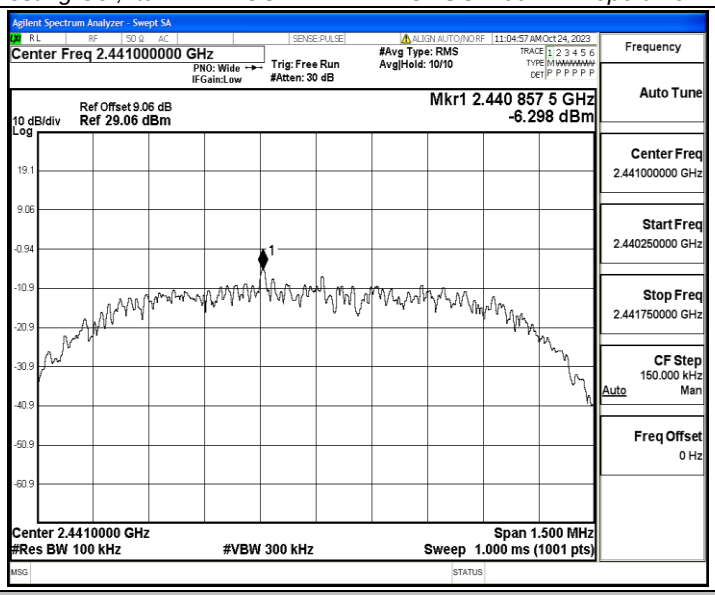

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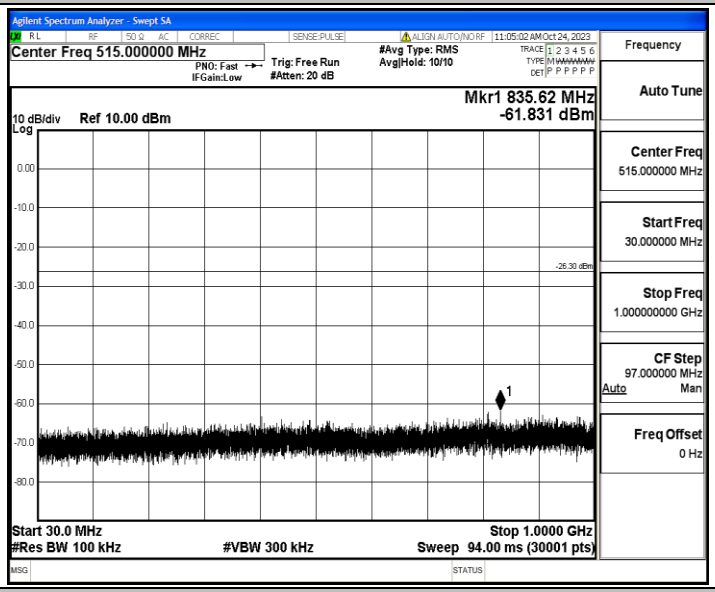

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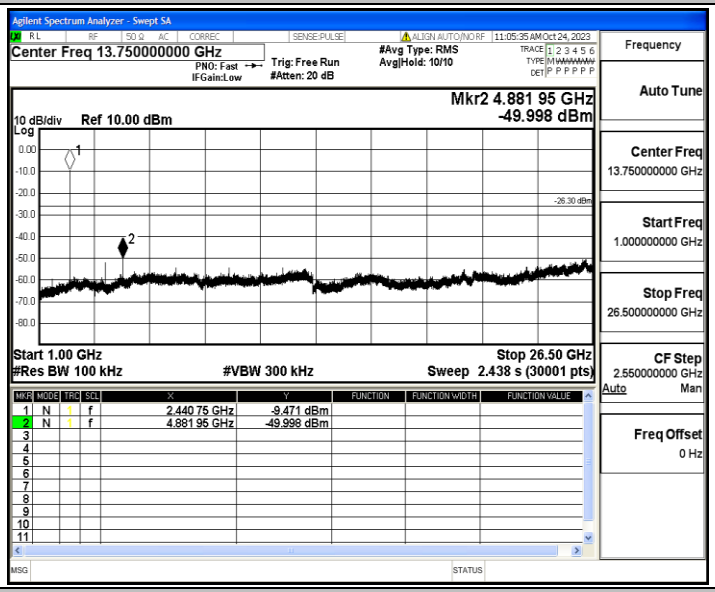

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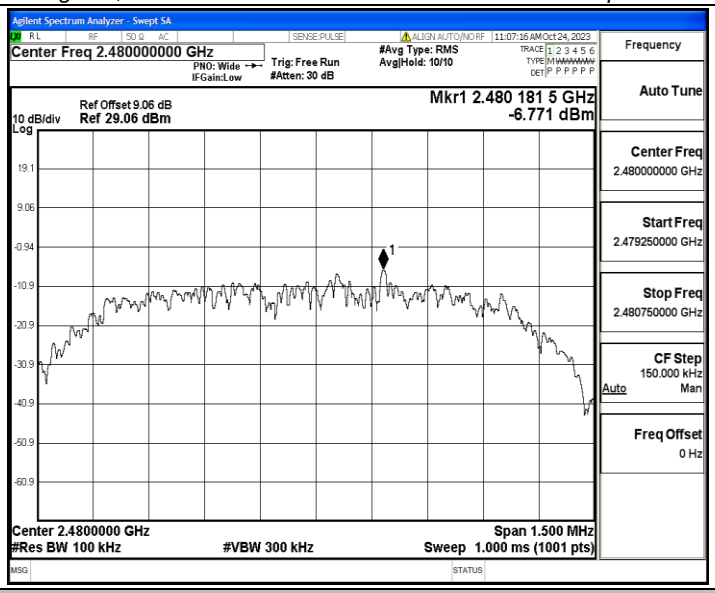

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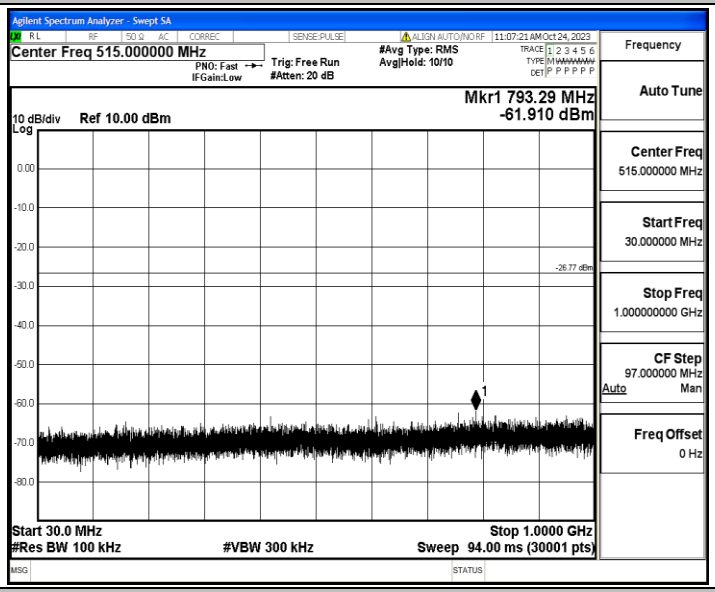

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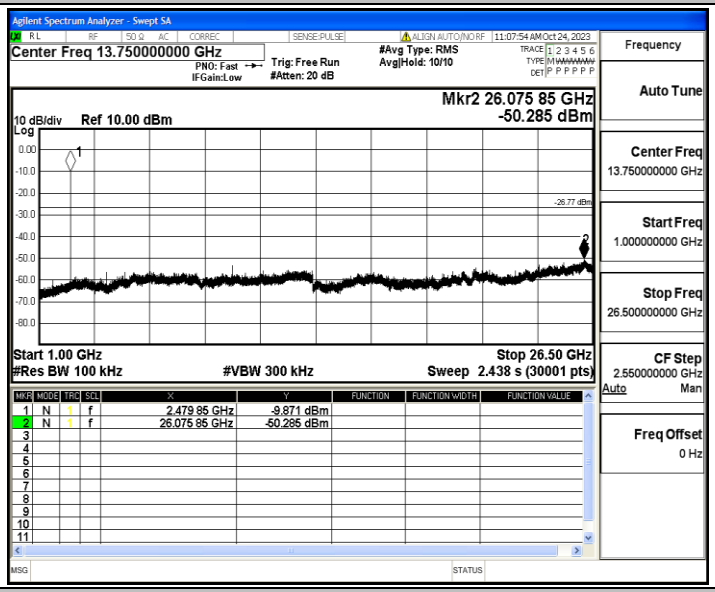

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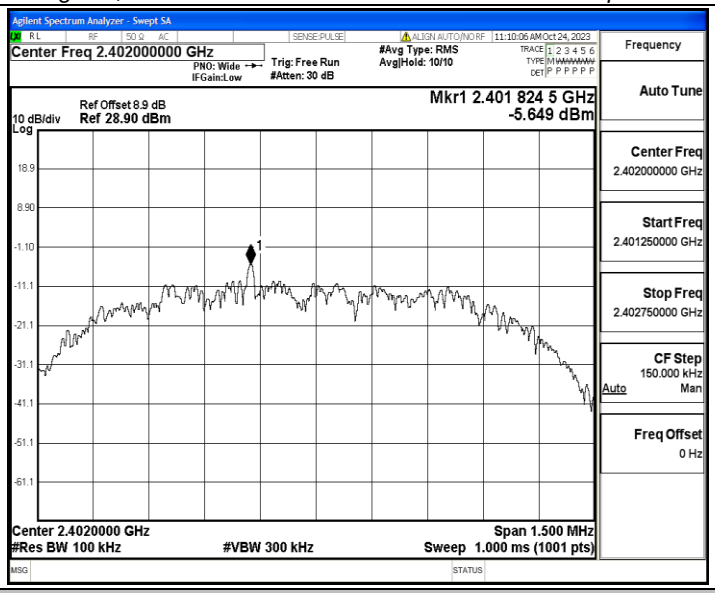

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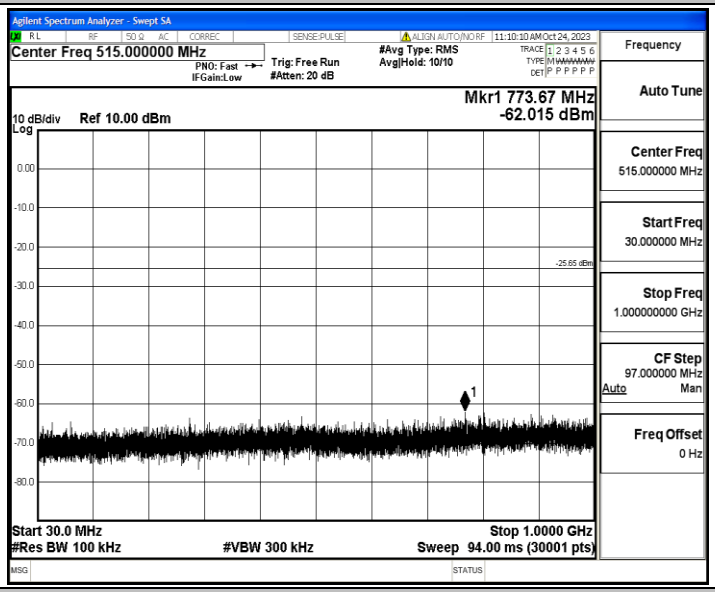

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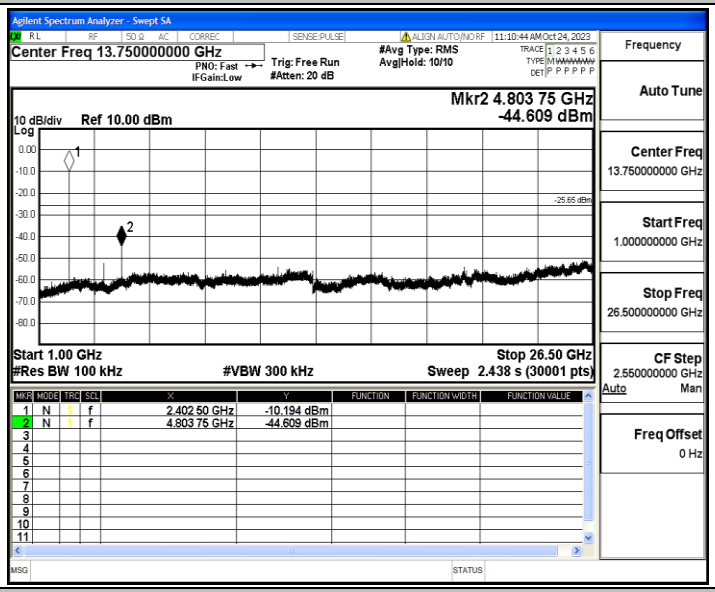

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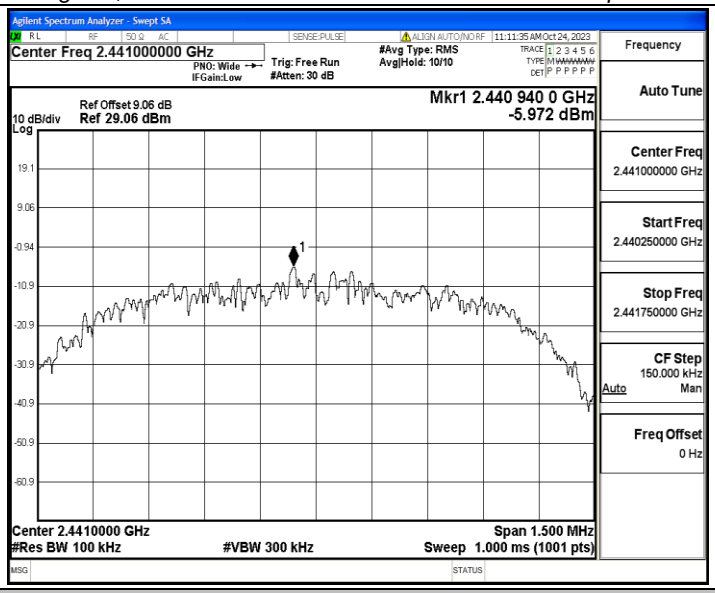

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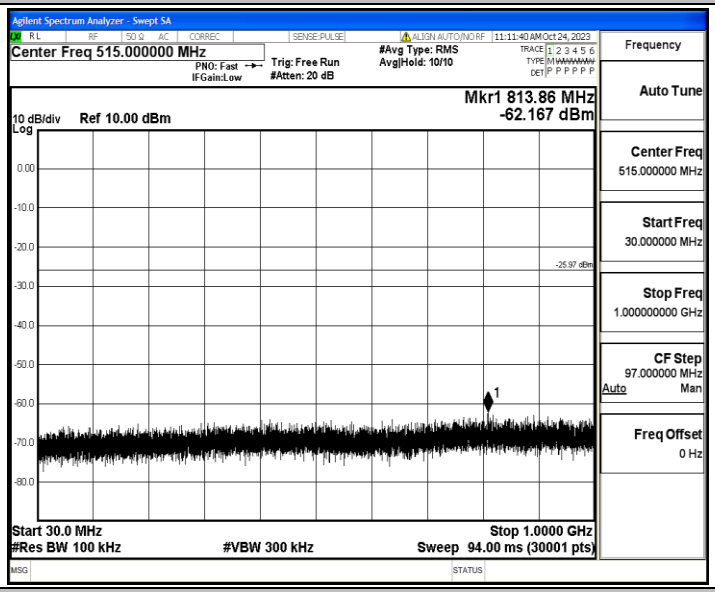

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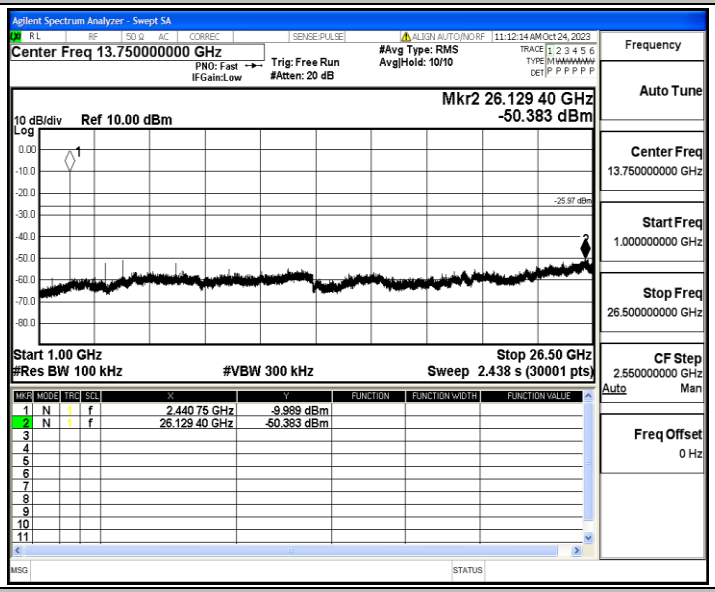

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