

RF Test Data for BT(BDR/EDR) (Conducted Measurement)**Product Name: Wireless Microphone****Trade Mark: N/A****Test Model: iLive****FCC ID: R2M-ILIVE****Environmental Conditions**

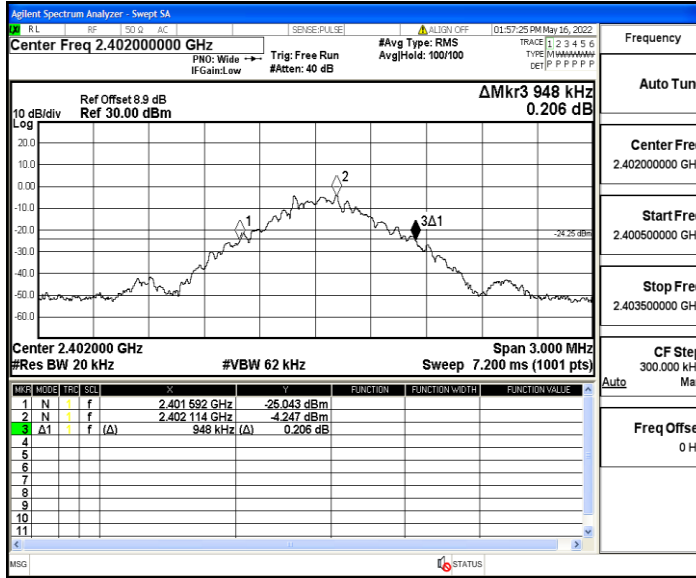
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth**Test Result**

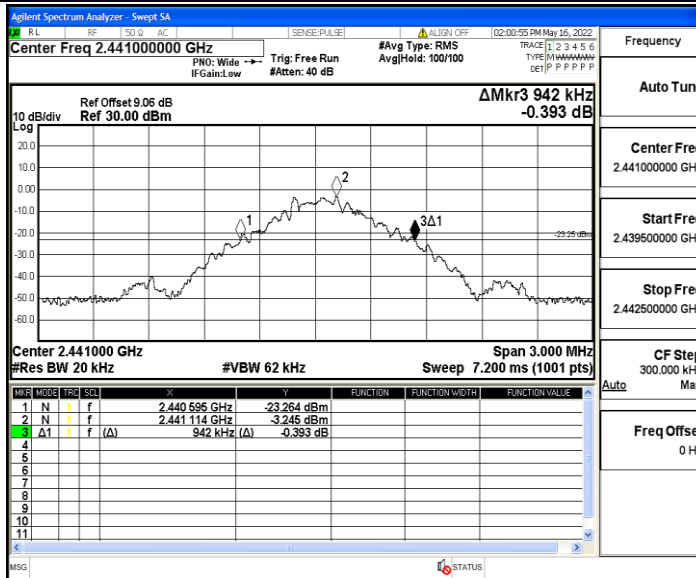
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.592	2402.540	---	---
		2441	0.942	2440.595	2441.537	---	---
		2480	0.954	2479.592	2480.546	---	---
2DH5	Ant1	2402	1.317	2401.397	2402.714	---	---
		2441	1.311	2440.397	2441.708	---	---
		2480	1.320	2479.394	2480.714	---	---
3DH5	Ant1	2402	1.269	2401.409	2402.678	---	---
		2441	1.296	2440.406	2441.702	---	---
		2480	1.284	2479.406	2480.690	---	---

Test Graphs

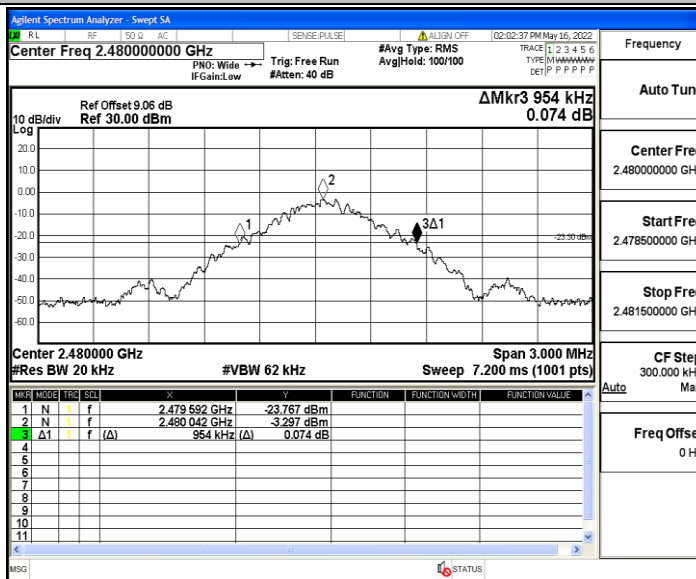
DH5_Ant1_2402



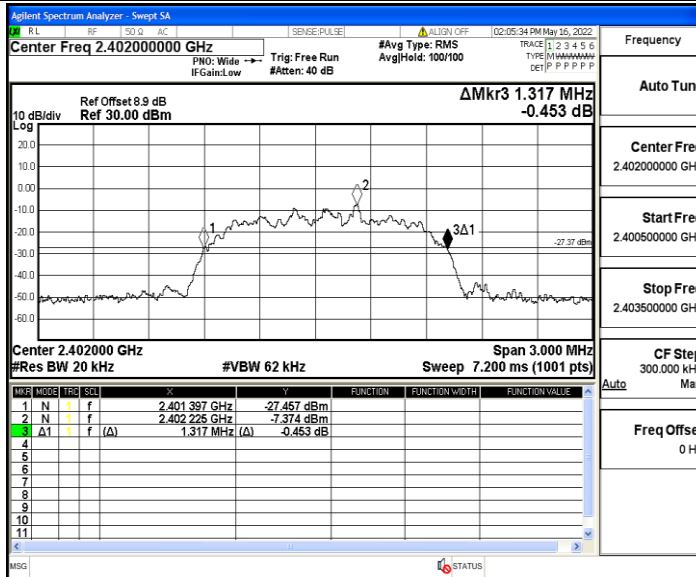
DH5_Ant1_2441



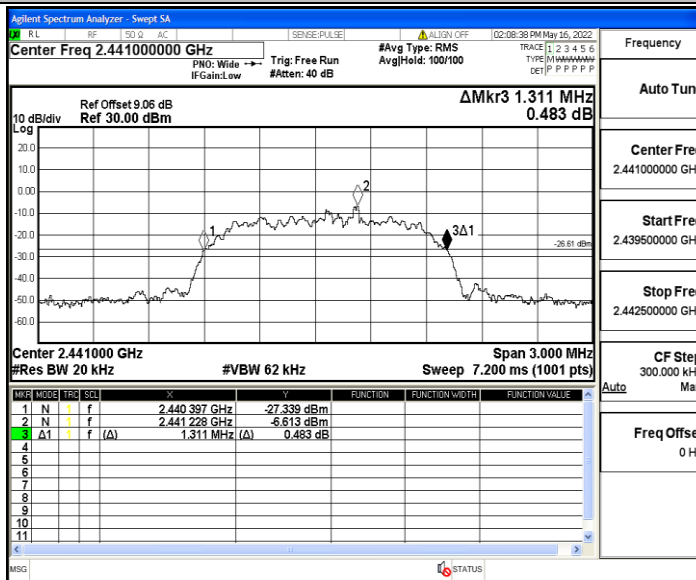
DH5_Ant1_2480



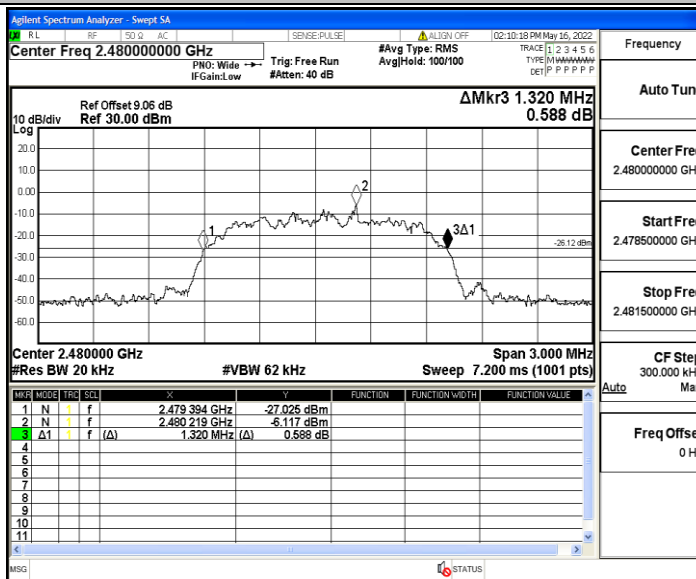
2DH5_Ant1_2402



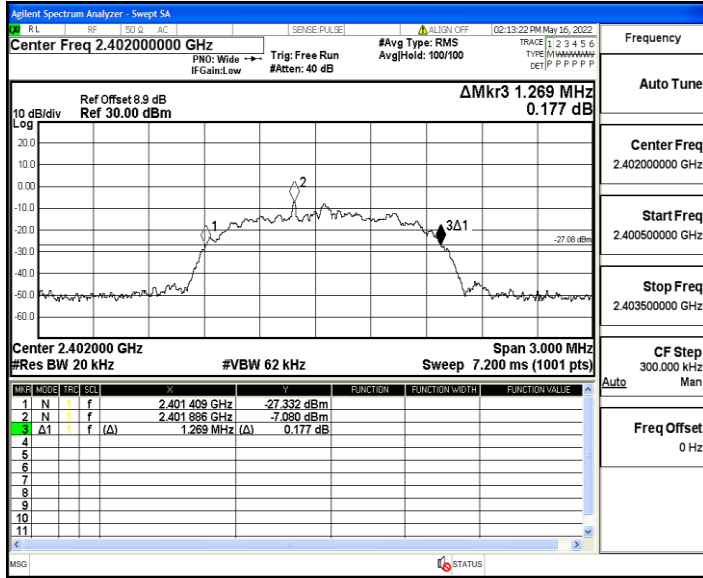
2DH5_Ant1_2441



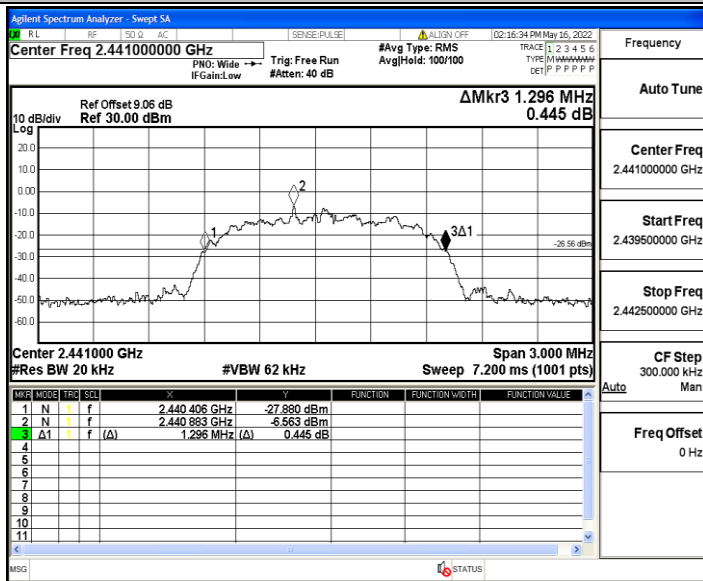
2DH5_Ant1_2480



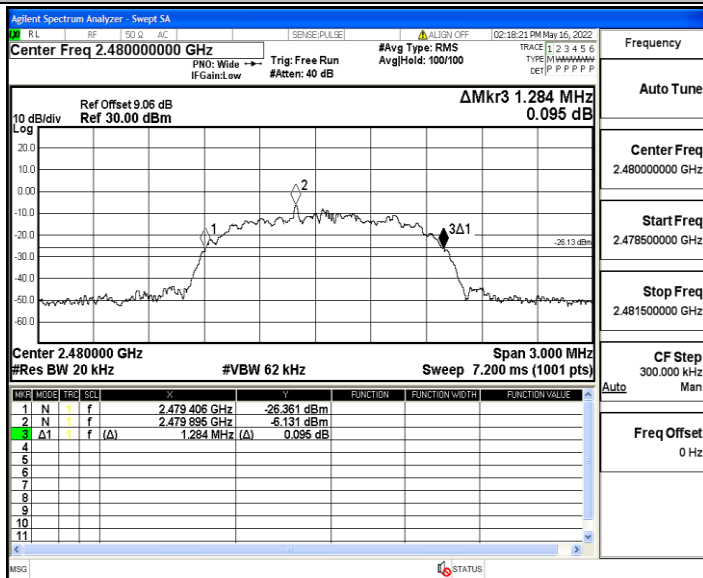
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



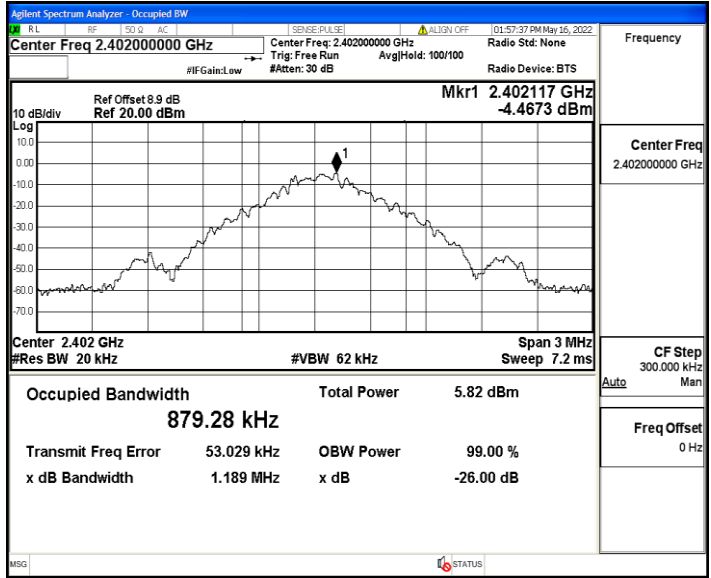
Appendix B: Occupied Channel Bandwidth

Test Result

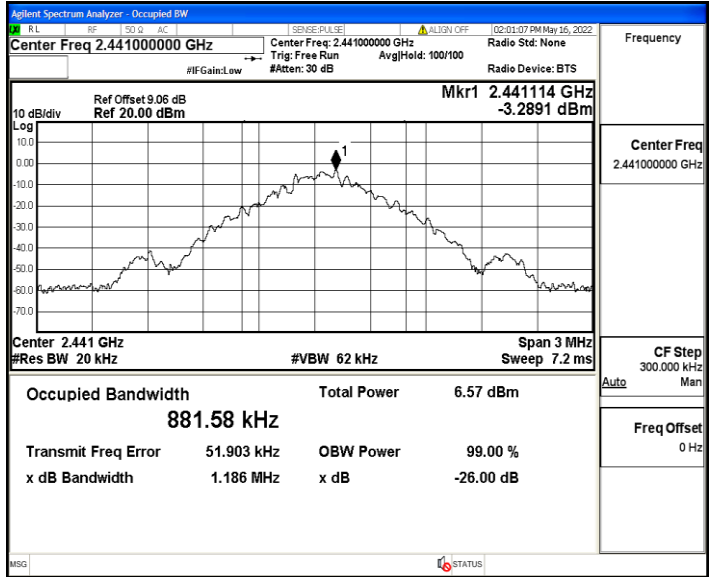
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87928	2401.613	2402.493	---	---
		2441	0.88158	2440.611	2441.493	---	---
		2480	0.87274	2479.617	2480.490	---	---
2DH5	Ant1	2402	1.1806	2401.465	2402.646	---	---
		2441	1.1775	2440.466	2441.643	---	---
		2480	1.1821	2479.464	2480.646	---	---
3DH5	Ant1	2402	1.1894	2401.454	2402.643	---	---
		2441	1.1926	2440.451	2441.644	---	---
		2480	1.1887	2479.454	2480.643	---	---

Test Graphs

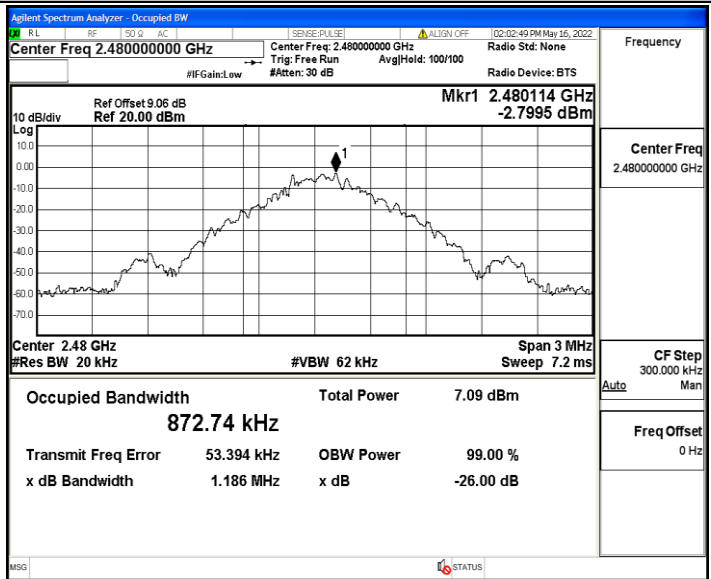
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



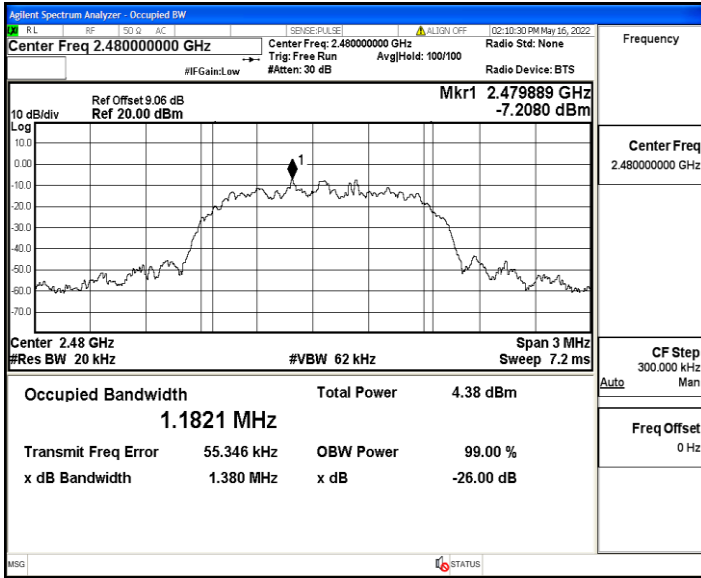
2DH5_Ant1_2402



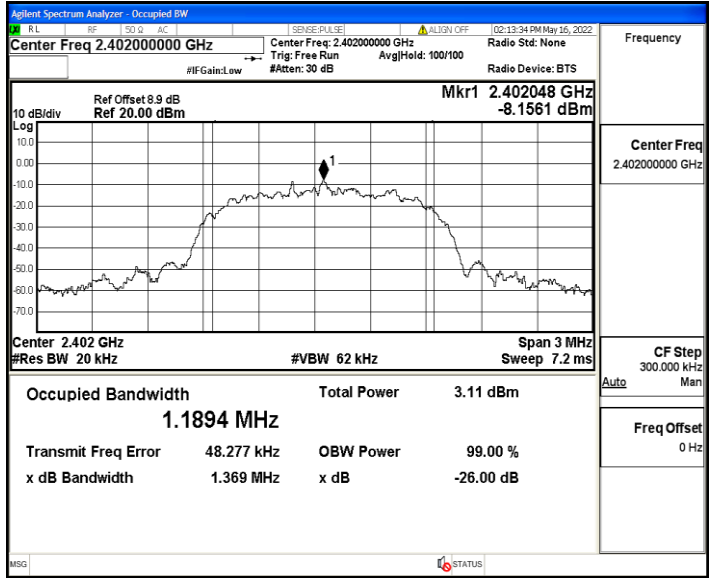
2DH5_Ant1_2441



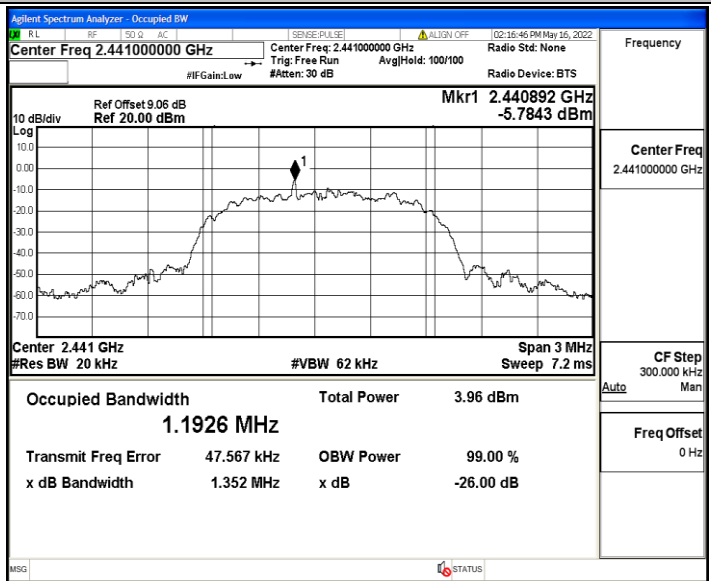
2DH5_Ant1_2480



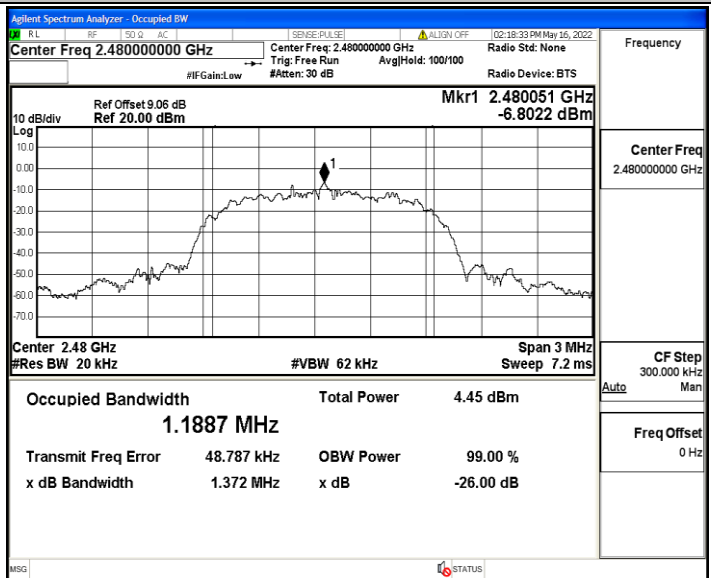
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



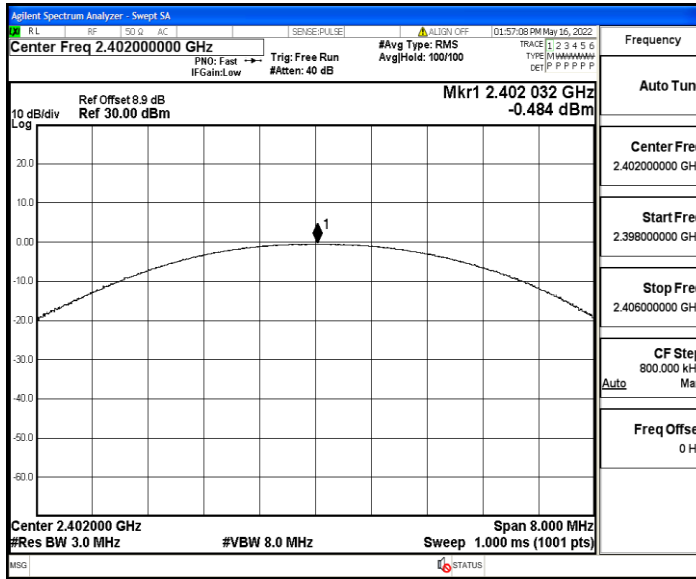
Appendix C: Maximum conducted output power

Test Result

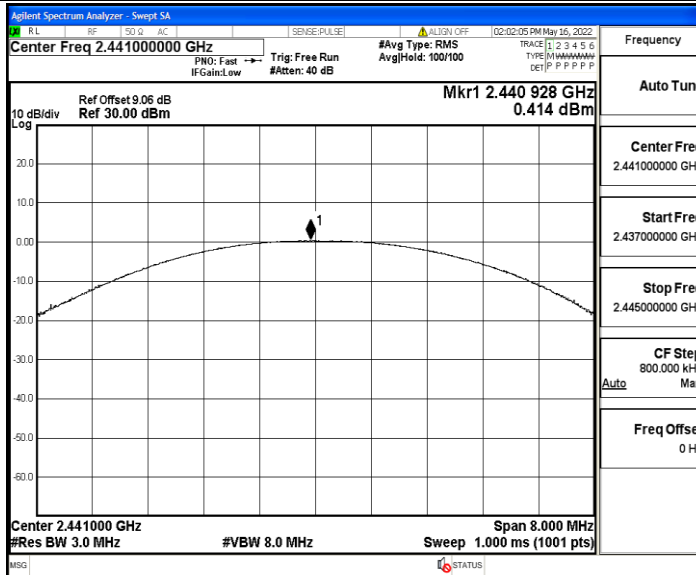
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.48	≤30	PASS
		2441	0.41	≤30	PASS
		2480	0.75	≤30	PASS
2DH5	Ant1	2402	-1.65	≤20.97	PASS
		2441	-0.73	≤20.97	PASS
		2480	-0.27	≤20.97	PASS
3DH5	Ant1	2402	-1.04	≤20.97	PASS
		2441	-0.19	≤20.97	PASS
		2480	0.22	≤20.97	PASS

Test Graphs

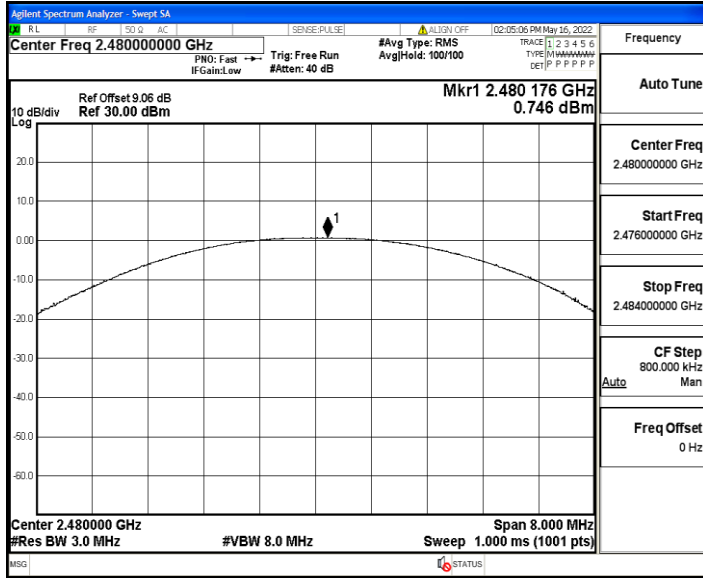
DH5_Ant1_2402



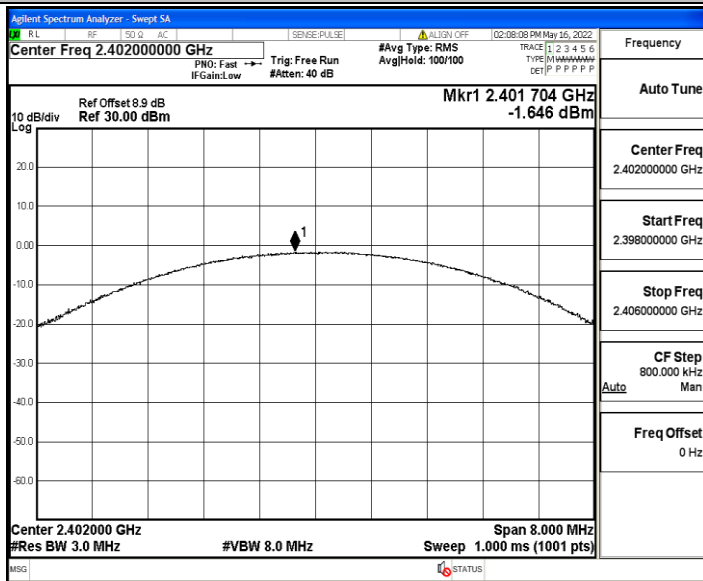
DH5_Ant1_2441



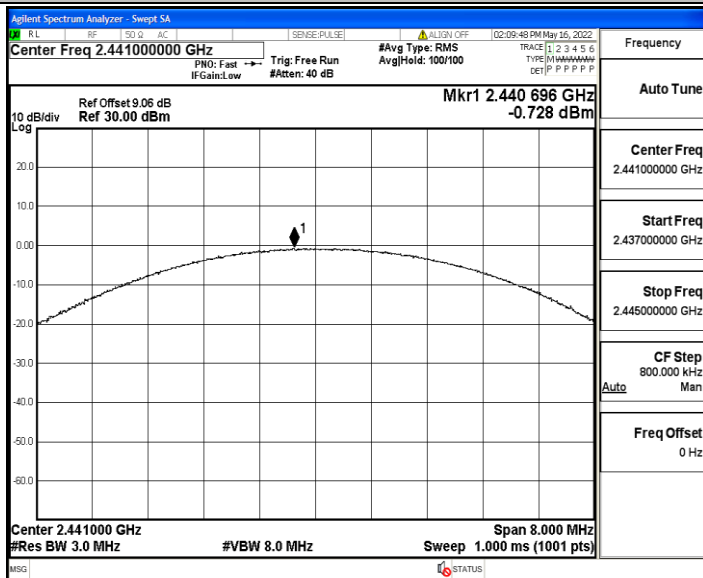
DH5_Ant1_2480



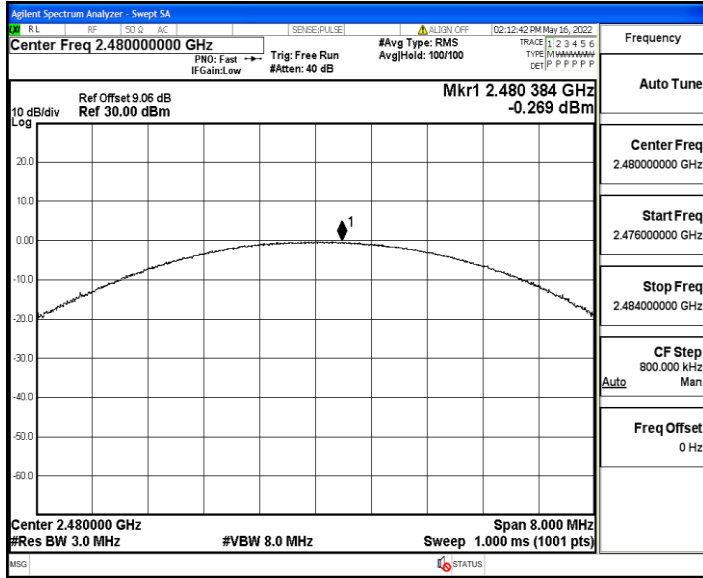
2DH5_Ant1_2402



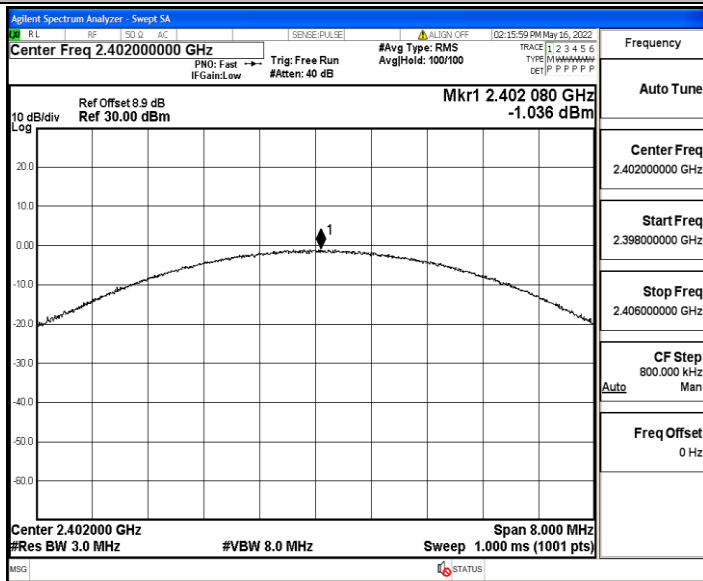
2DH5_Ant1_2441



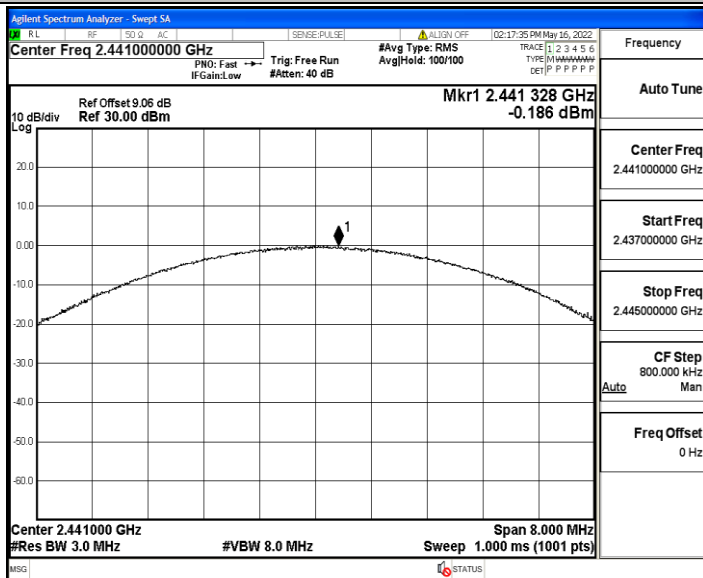
2DH5_Ant1_2480



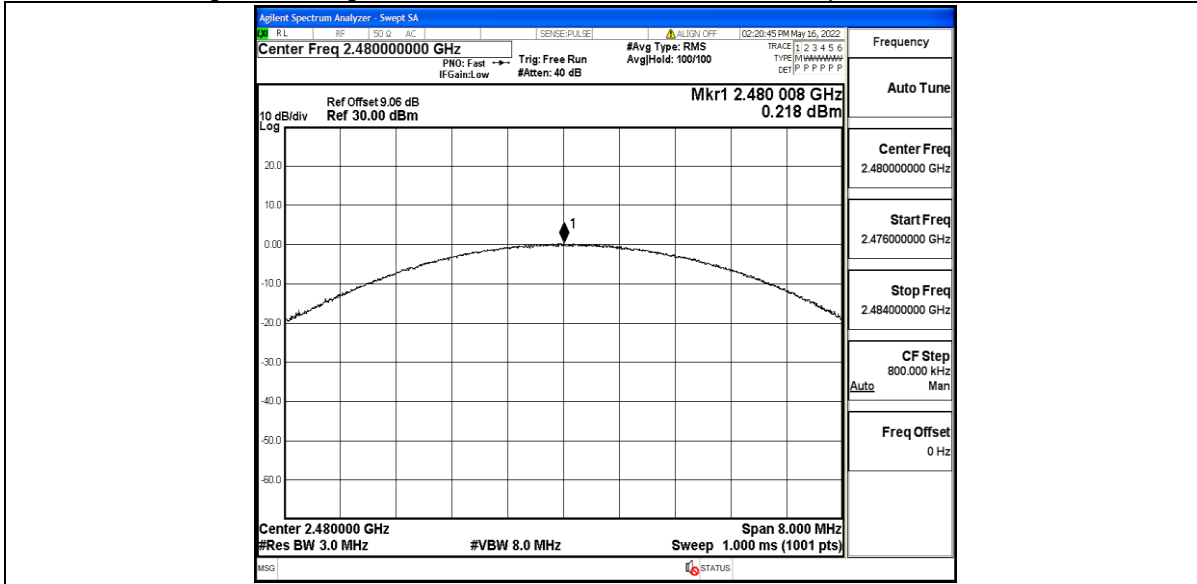
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



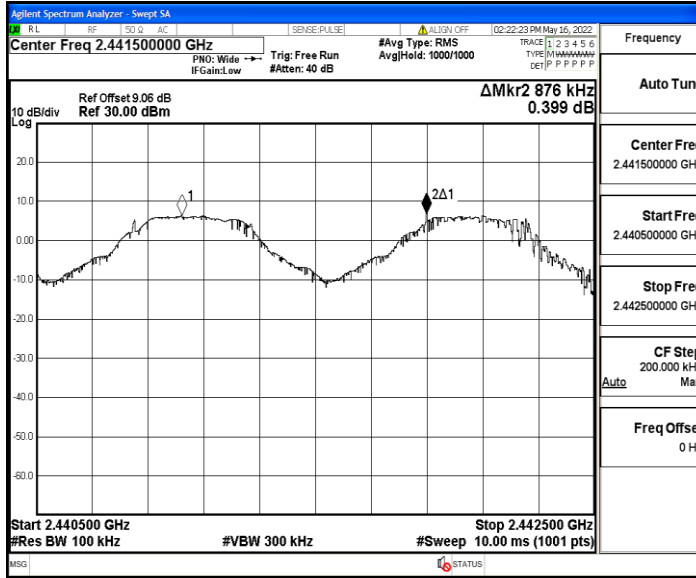
Appendix D: Carrier frequency separation

Test Result

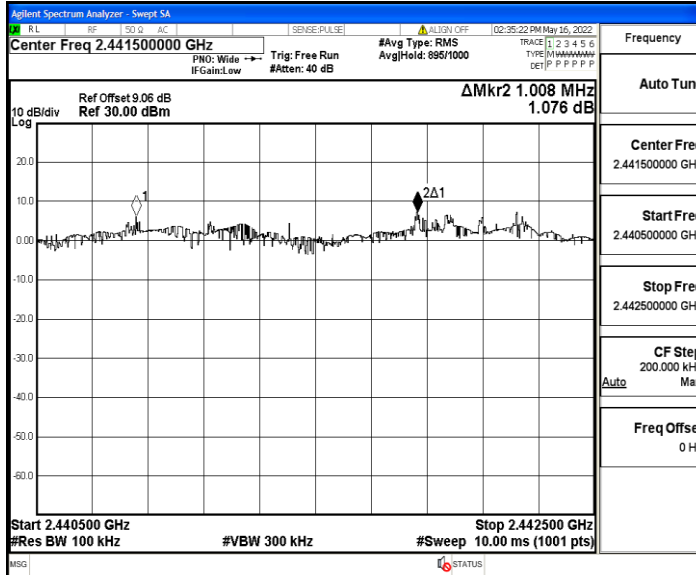
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.876	≥ 0.636	PASS
2DH5	Ant1	Hop	1.008	≥ 0.880	PASS
3DH5	Ant1	Hop	0.922	≥ 0.864	PASS

Test Graphs

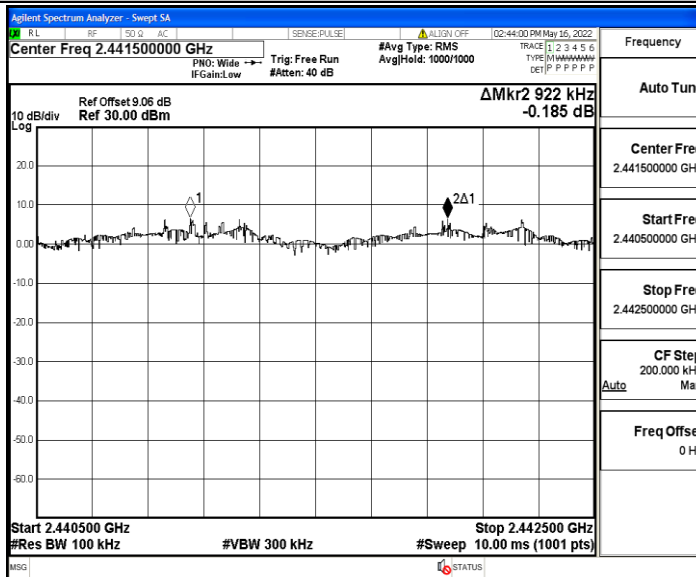
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



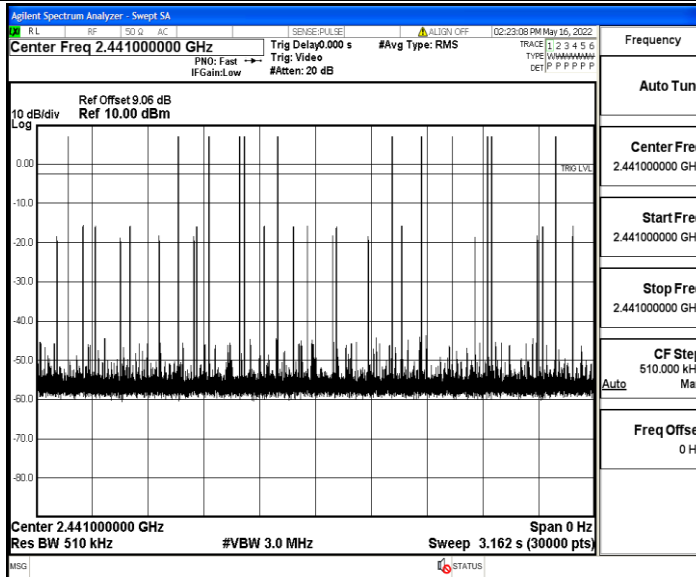
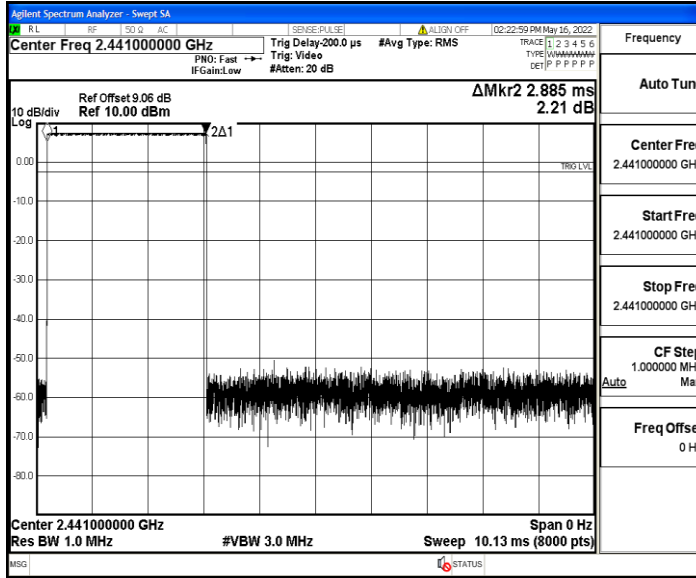
Appendix E: Time of occupancy

Test Result

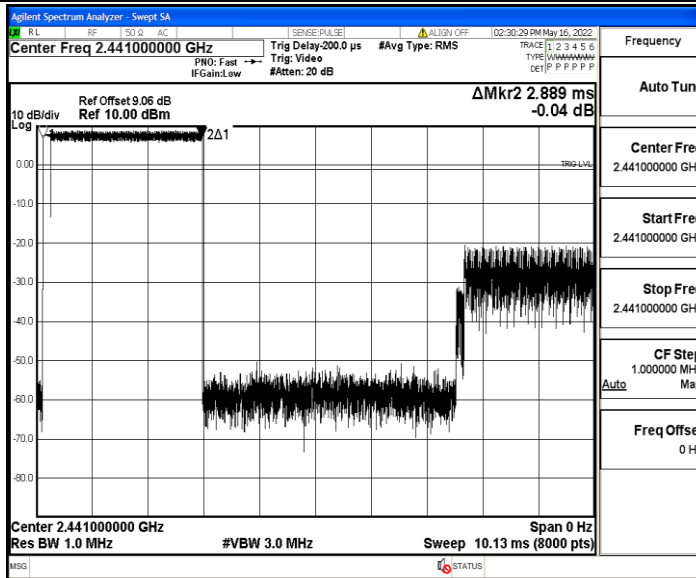
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	130	0.375	≤0.4	PASS
2DH5	Ant1	Hop	2.89	100	0.289	≤0.4	PASS
3DH5	Ant1	Hop	2.89	130	0.376	≤0.4	PASS

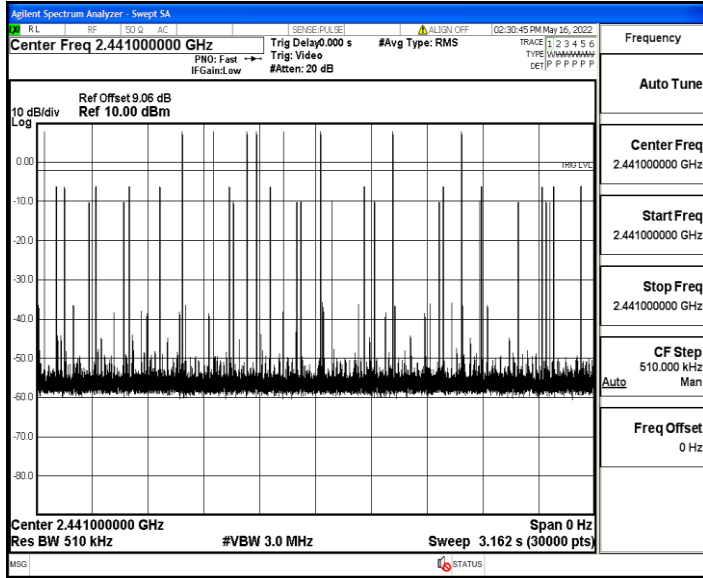
Test Graphs

DH5_Ant1_Hop

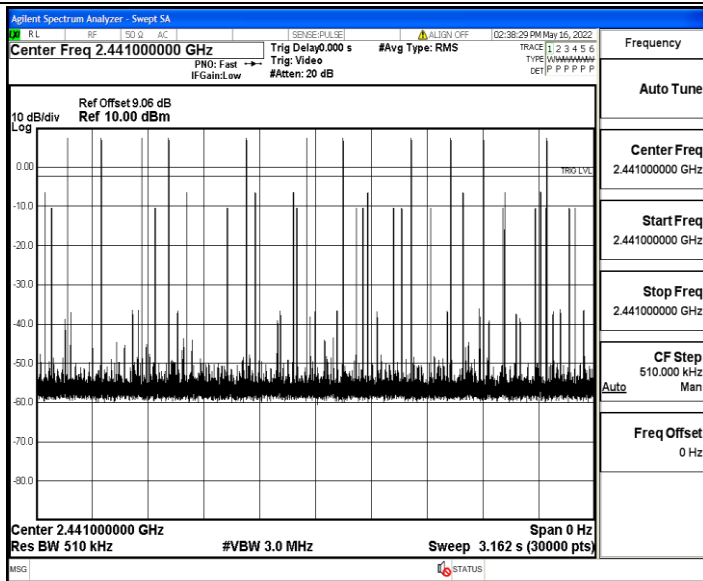
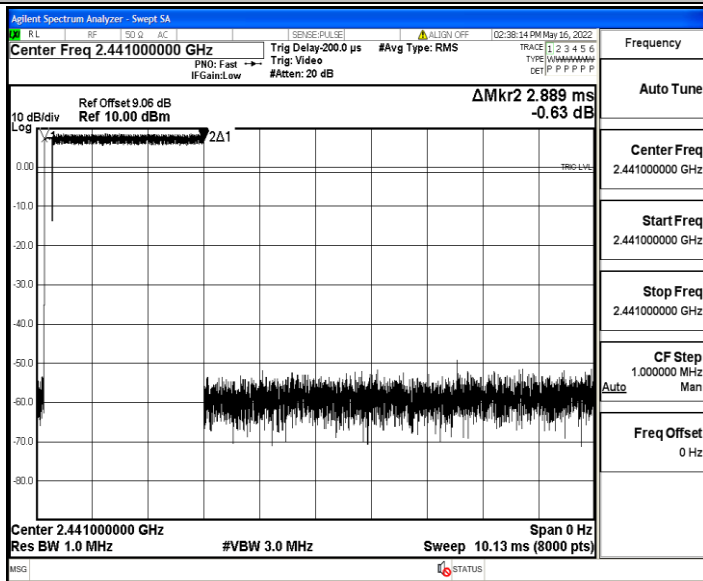


2DH5_Ant1_Hop





3DH5_Ant1_Hop



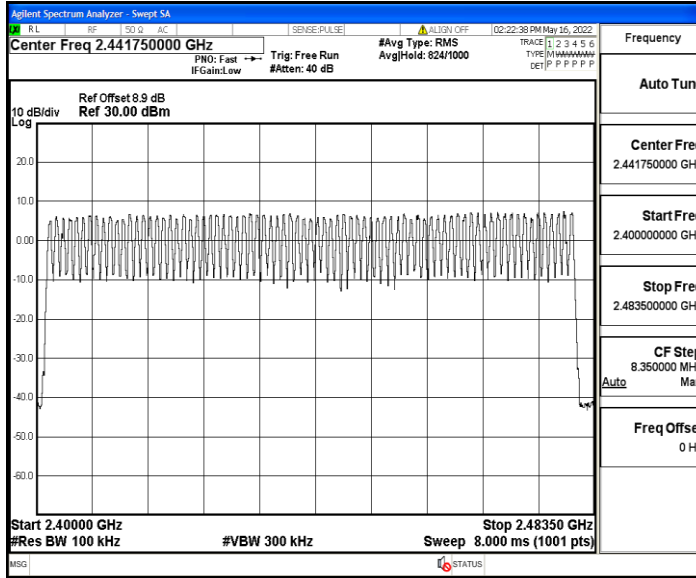
Appendix F: Number of hopping channels

Test Result

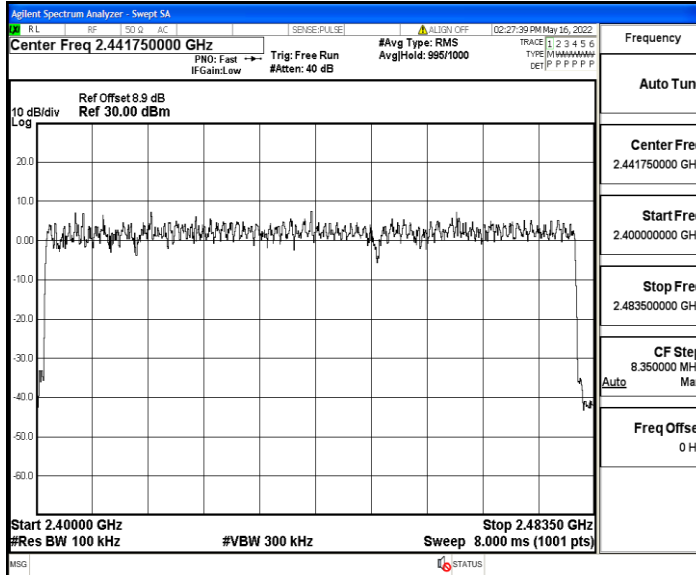
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

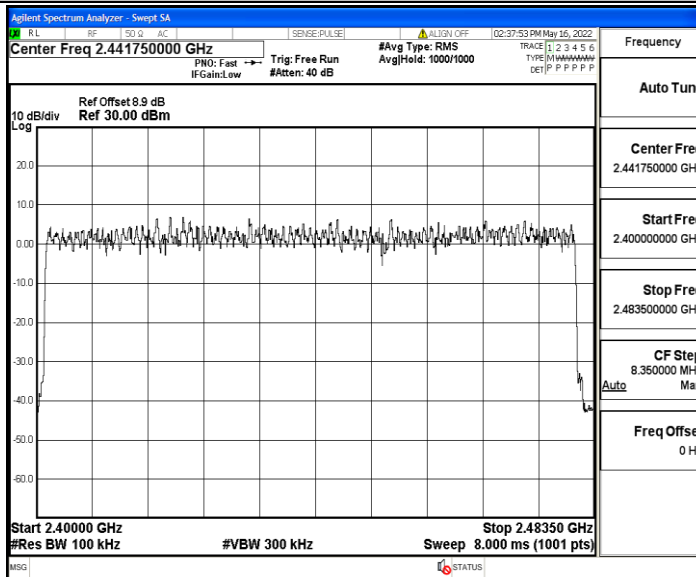
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



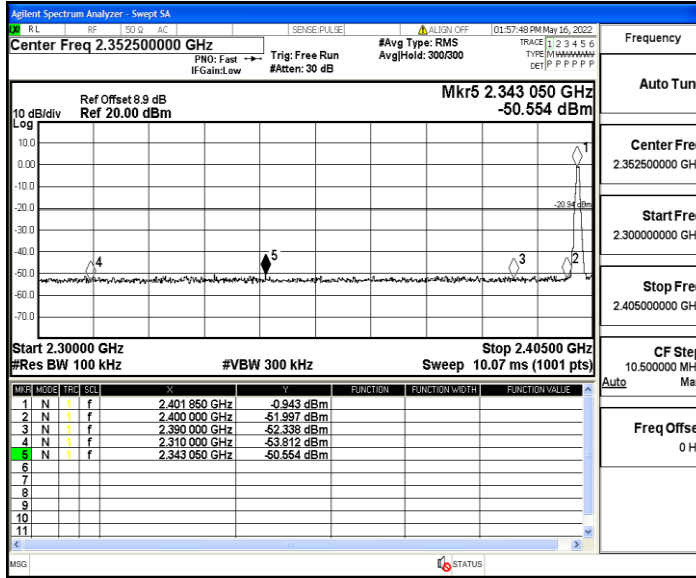
Appendix G: Band edge measurements

Test Result

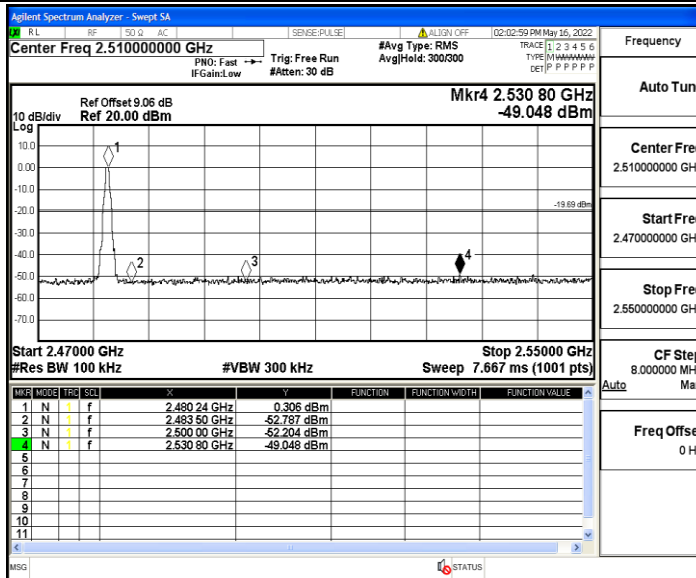
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.94	-50.55	≤-20.94	PASS
		High	2480	0.31	-49.05	≤-19.69	PASS
		Low	Hop_2402	6.03	-50.28	≤-13.97	PASS
		High	Hop_2480	7.28	-49.2	≤-12.72	PASS
2DH5	Ant1	Low	2402	-3.63	-50.18	≤-23.63	PASS
		High	2480	-2.42	-48.66	≤-22.42	PASS
		Low	Hop_2402	2.69	-50.46	≤-17.31	PASS
		High	Hop_2480	7.63	-49.71	≤-12.37	PASS
3DH5	Ant1	Low	2402	-3.81	-49.37	≤-23.81	PASS
		High	2480	-2.33	-49.26	≤-22.33	PASS
		Low	Hop_2402	3.71	-49.94	≤-16.29	PASS
		High	Hop_2480	6.21	-49.23	≤-13.79	PASS

Test Graphs

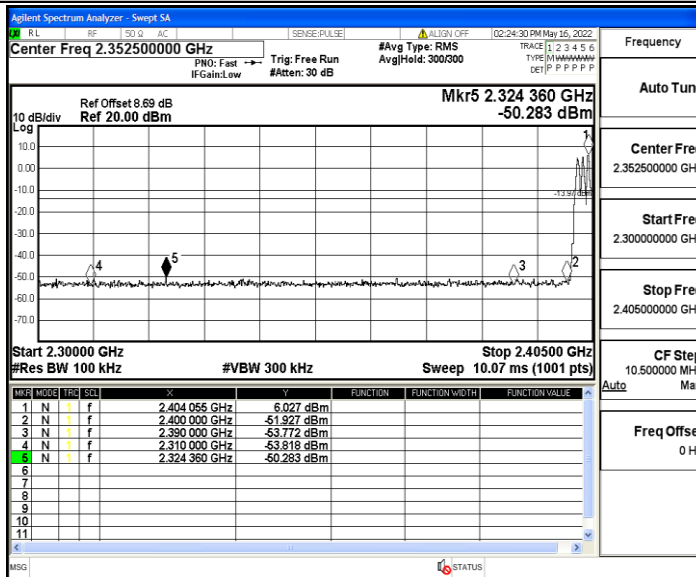
DH5_Ant1_Low_2402



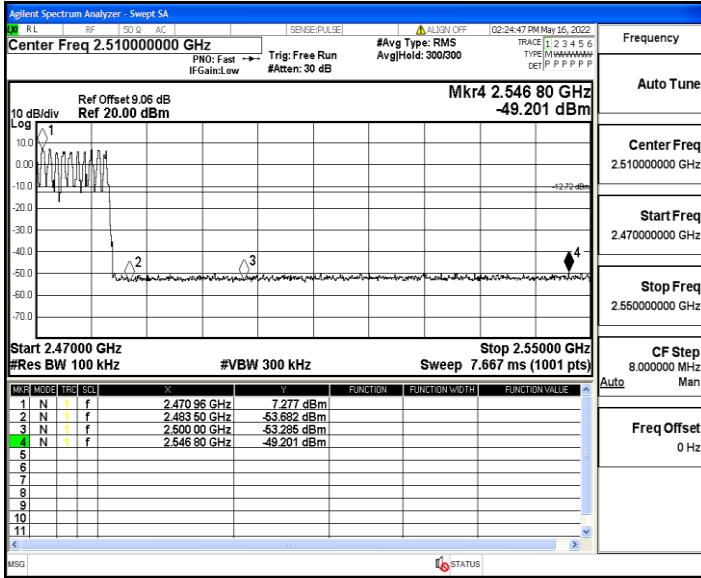
DH5_Ant1_High_2480



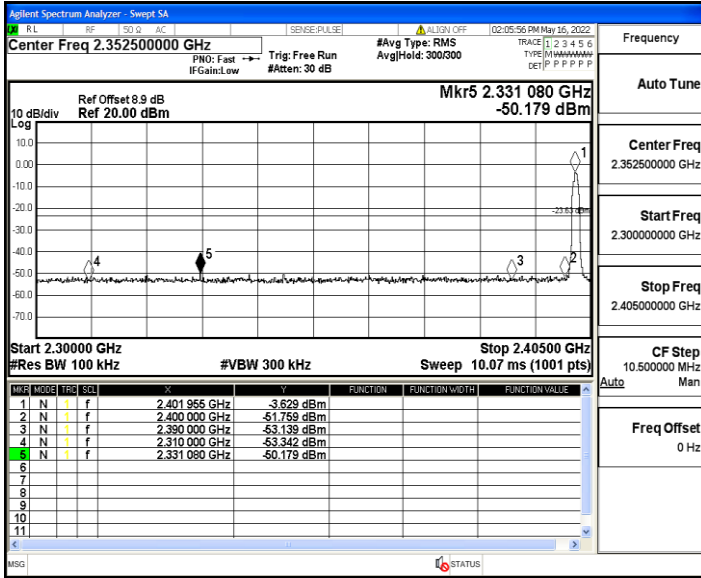
DH5_Ant1_Low_Hop_2402



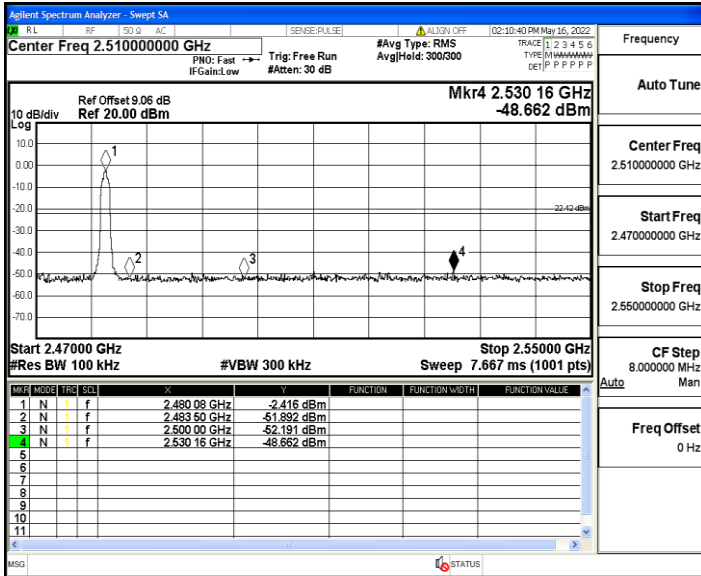
DH5_Ant1_High_Hop_2480



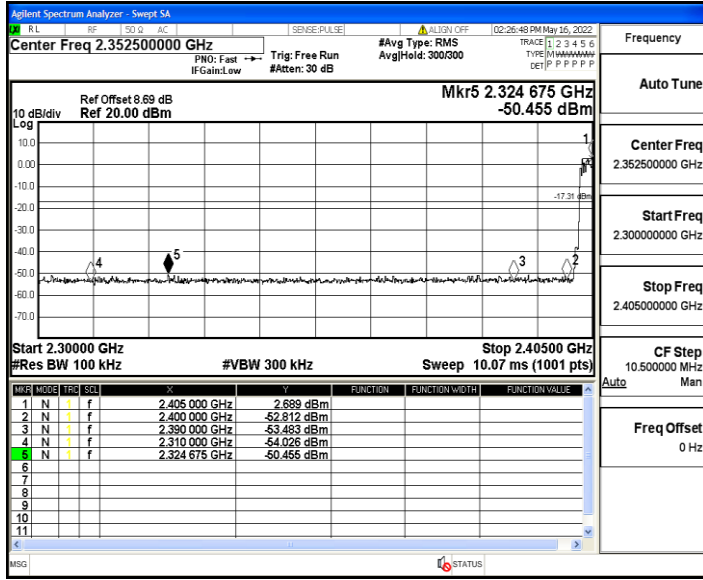
2DH5_Ant1_Low_2402



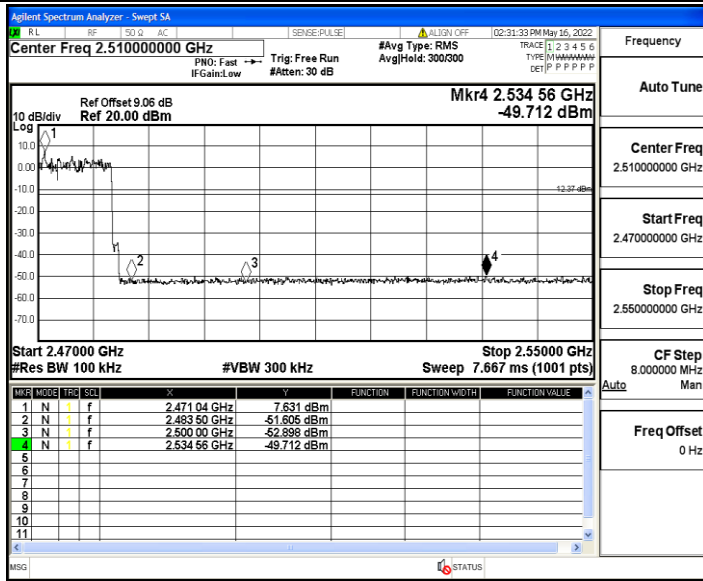
2DH5_Ant1_High_2480



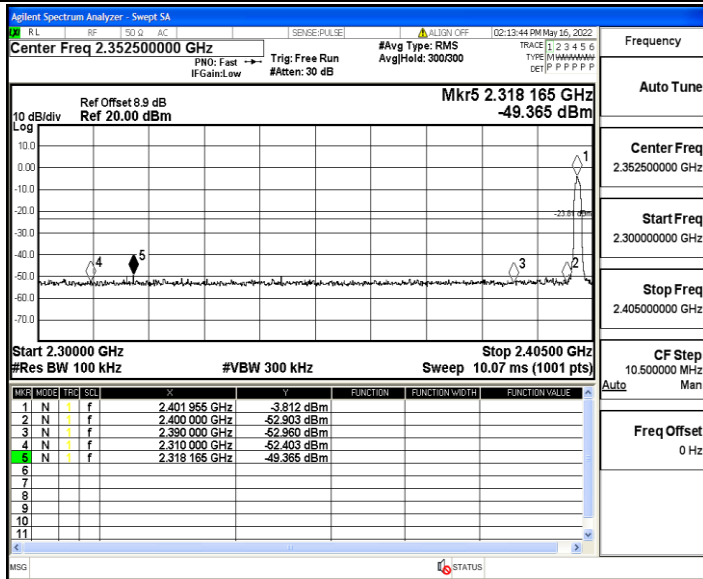
2DH5_Ant1_Low_Hop_2402



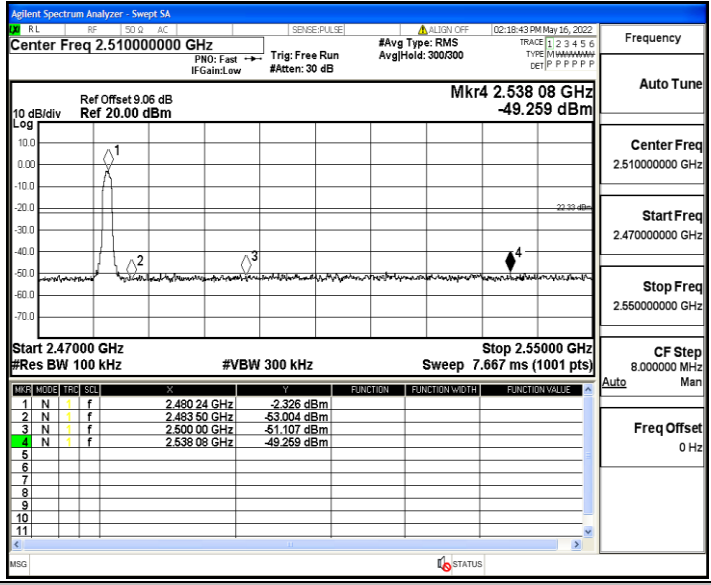
2DH5_Ant1_High_Hop_2480



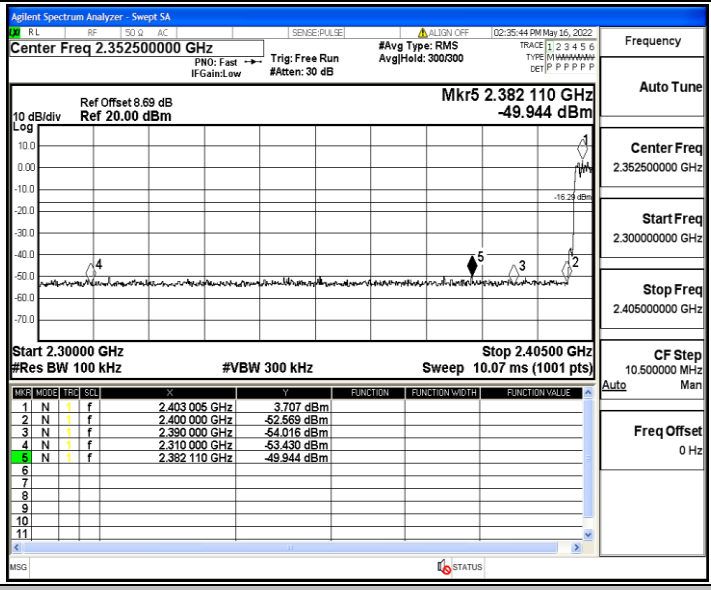
3DH5_Ant1_Low_2402



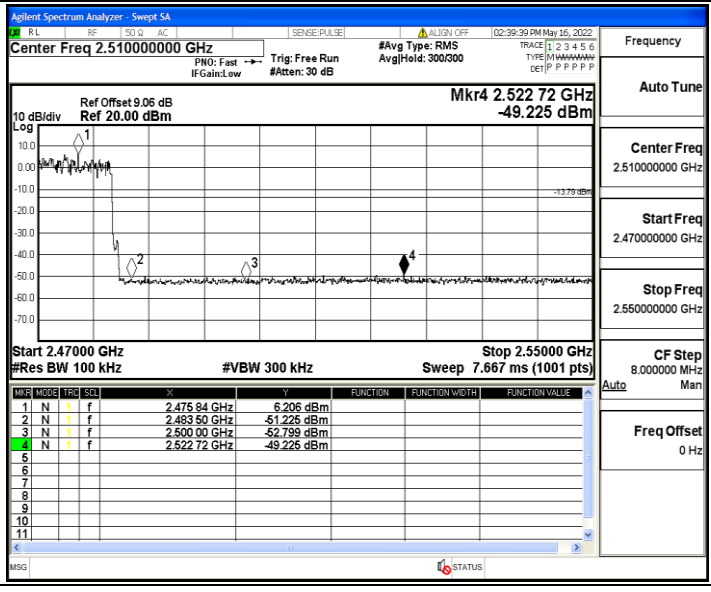
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



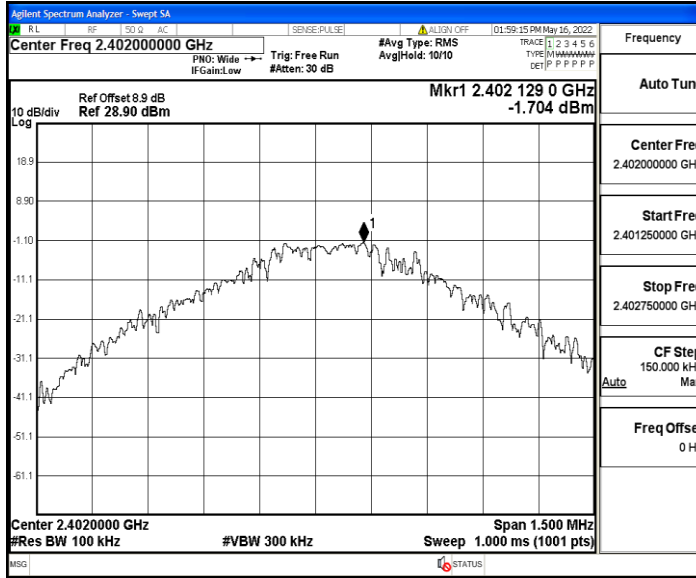
Appendix H: Conducted Spurious Emission

Test Result

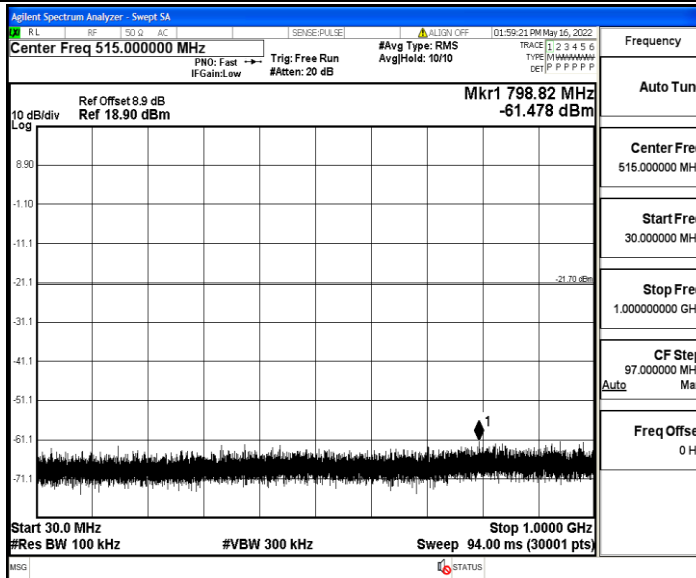
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.70	-1.70	---	PASS
			30~1000	-1.70	-61.48	≤-21.7	PASS
			1000~26500	-1.70	-51.63	≤-21.7	PASS
		2441	Reference	-0.41	-0.41	---	PASS
			30~1000	-0.41	-61.05	≤-20.41	PASS
			1000~26500	-0.41	-50.27	≤-20.41	PASS
		2480	Reference	-0.06	-0.06	---	PASS
			30~1000	-0.06	-61.2	≤-20.06	PASS
			1000~26500	-0.06	-51.26	≤-20.06	PASS
2DH5	Ant1	2402	Reference	-6.47	-6.47	---	PASS
			30~1000	-6.47	-61.46	≤-26.47	PASS
			1000~26500	-6.47	-51.91	≤-26.47	PASS
		2441	Reference	-5.98	-5.98	---	PASS
			30~1000	-5.98	-61.2	≤-25.98	PASS
			1000~26500	-5.98	-51.63	≤-25.98	PASS
		2480	Reference	-5.54	-5.54	---	PASS
			30~1000	-5.54	-61.27	≤-25.54	PASS
			1000~26500	-5.54	-51.46	≤-25.54	PASS
3DH5	Ant1	2402	Reference	-4.43	-4.43	---	PASS
			30~1000	-4.43	-61.57	≤-24.43	PASS
			1000~26500	-4.43	-51.27	≤-24.43	PASS
		2441	Reference	-5.56	-5.56	---	PASS
			30~1000	-5.56	-60.52	≤-25.56	PASS
			1000~26500	-5.56	-51.21	≤-25.56	PASS
		2480	Reference	-4.61	-4.61	---	PASS
			30~1000	-4.61	-61.53	≤-24.61	PASS
			1000~26500	-4.61	-50.99	≤-24.61	PASS

Test Graphs

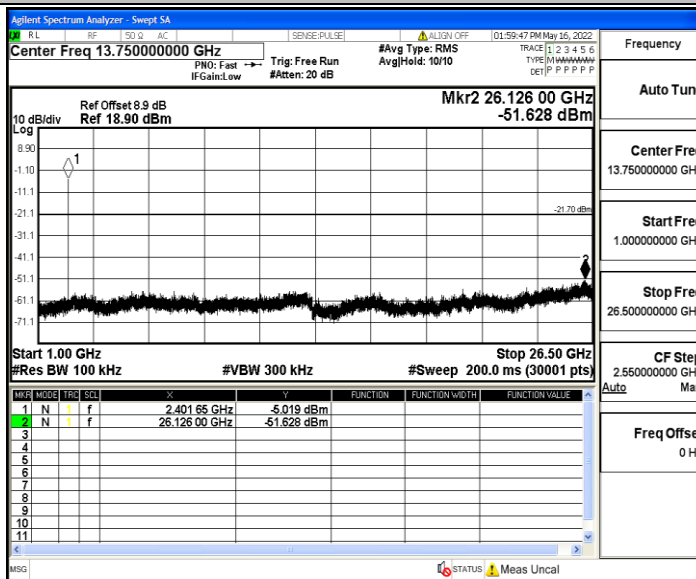
DH5_Ant1_2402_0~Reference



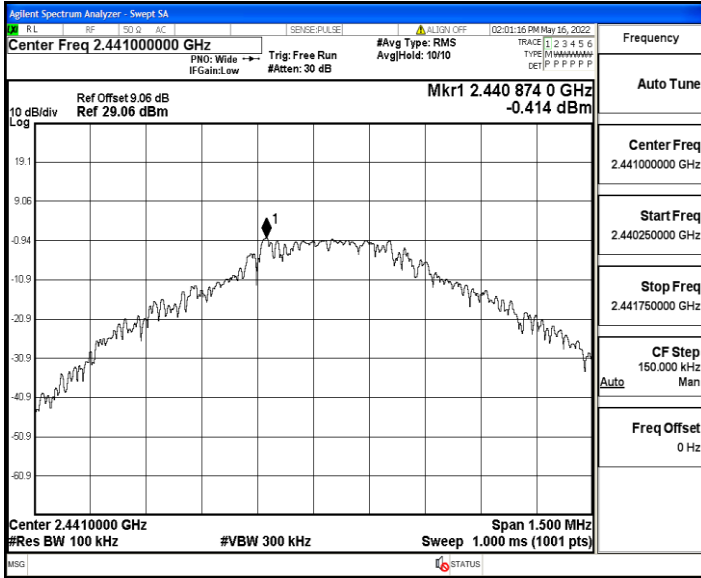
DH5_Ant1_2402_30~1000



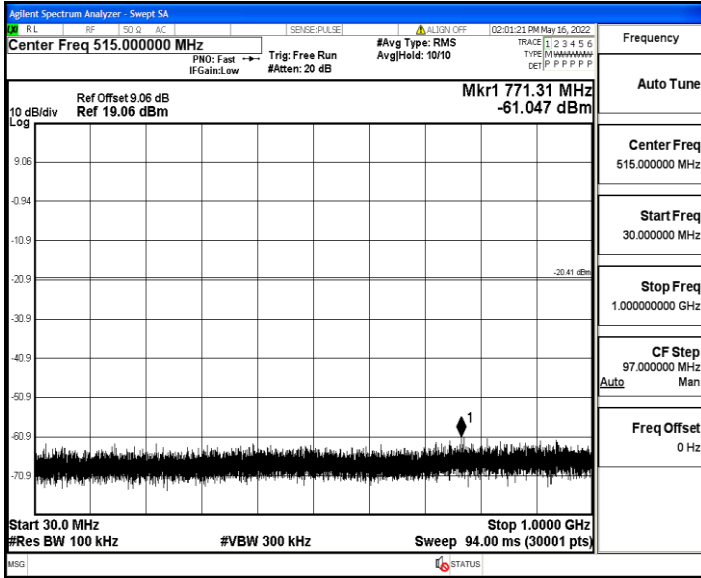
DH5_Ant1_2402_1000~26500



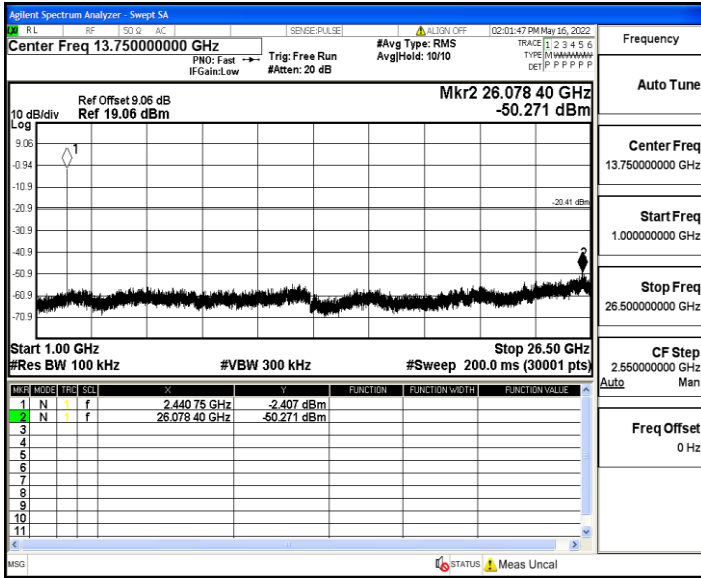
DH5_Ant1_2441_0~Reference



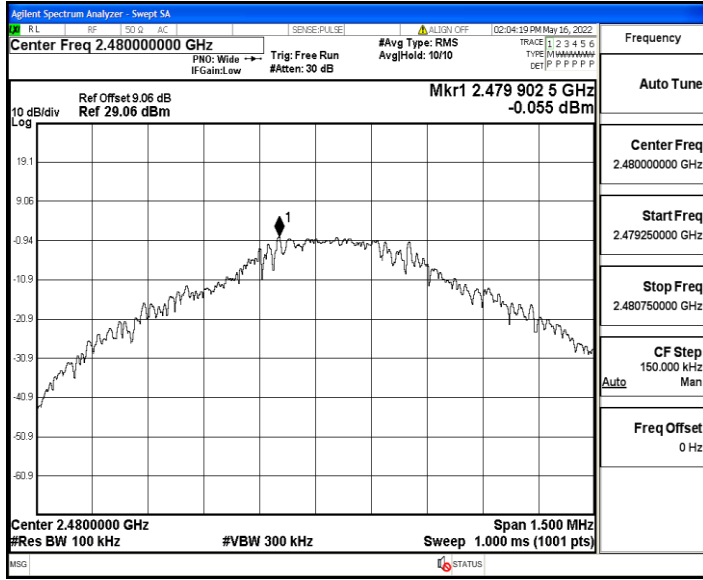
DH5_Ant1_2441_30~1000



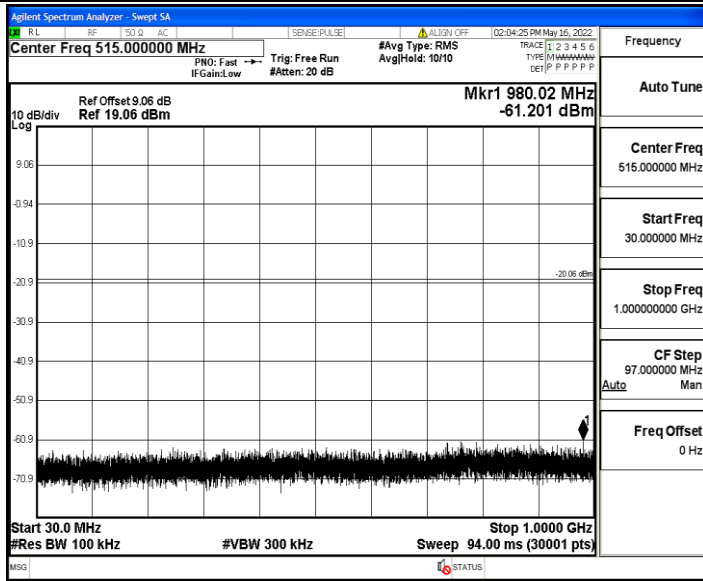
DH5_Ant1_2441_1000~26500



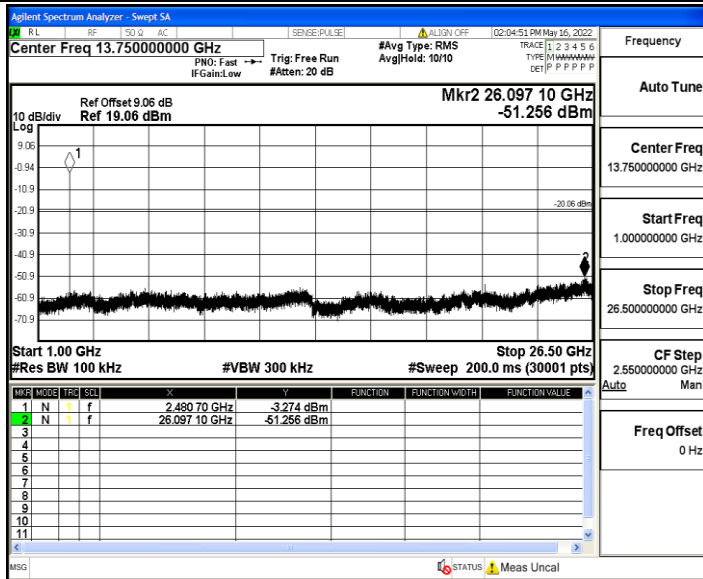
DH5_Ant1_2480_0~Reference



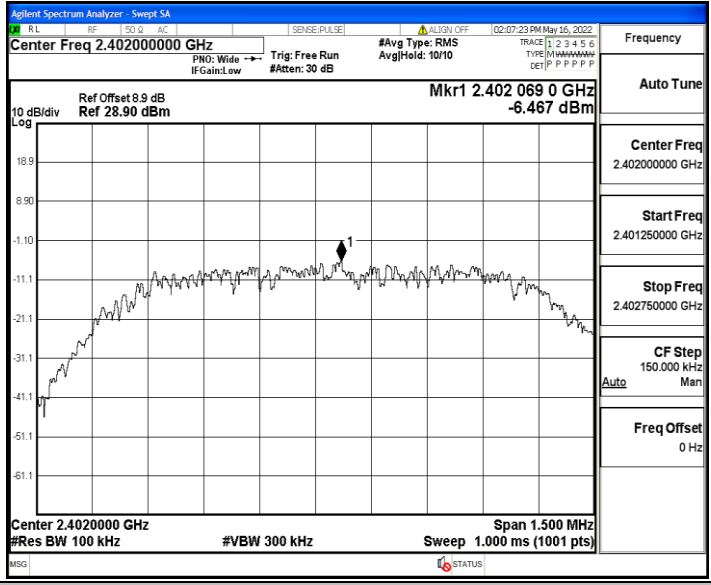
DH5_Ant1_2480_30~1000



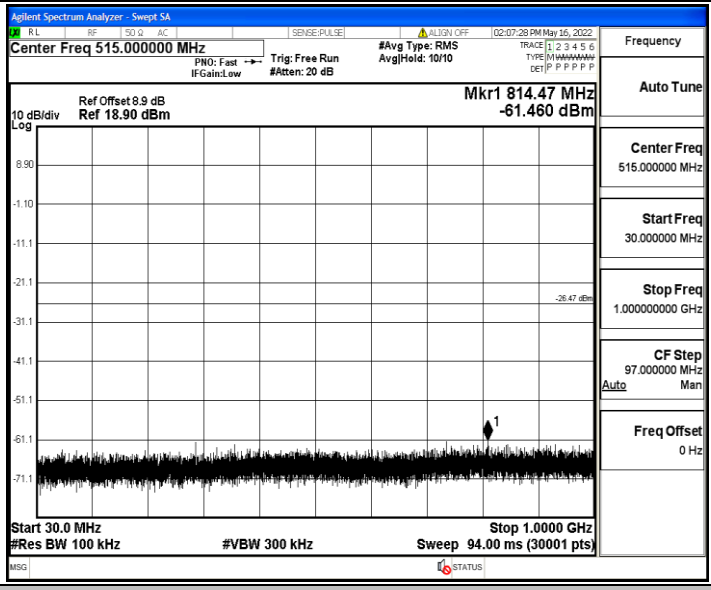
DH5_Ant1_2480_1000~26500



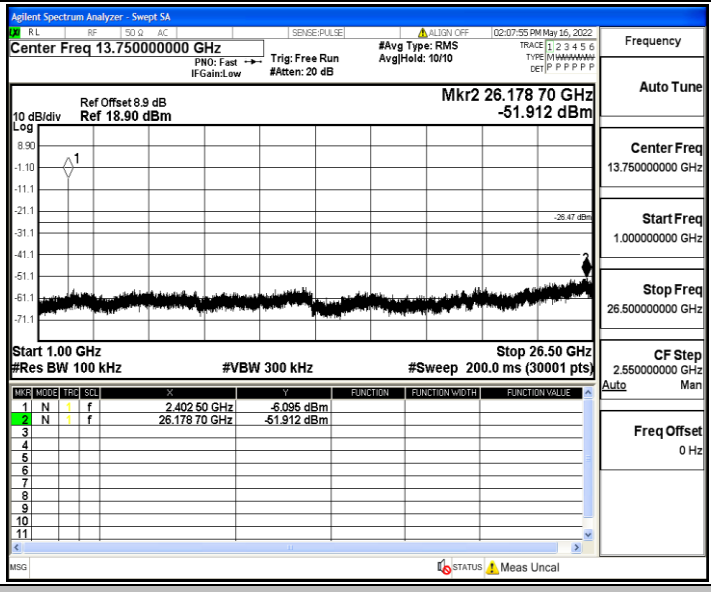
2DH5_Ant1_2402_0~Reference



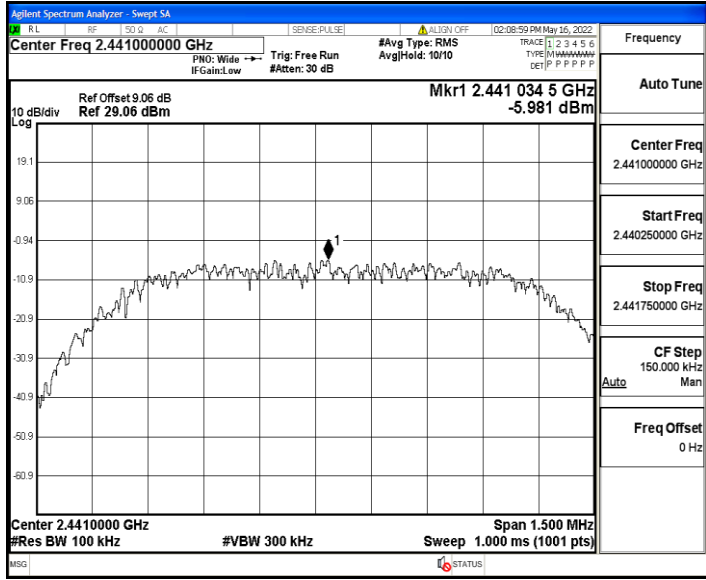
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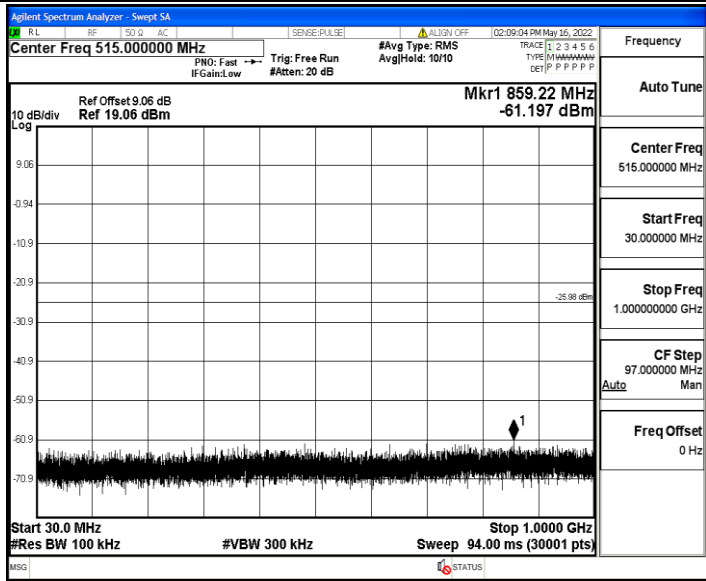
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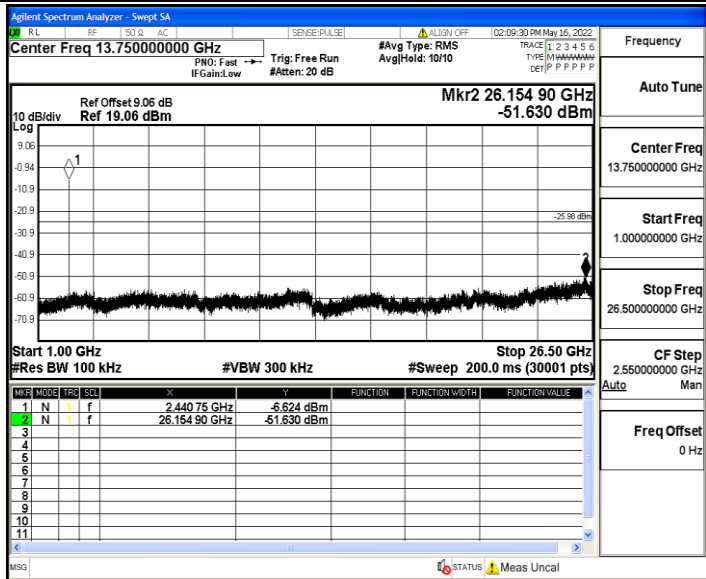
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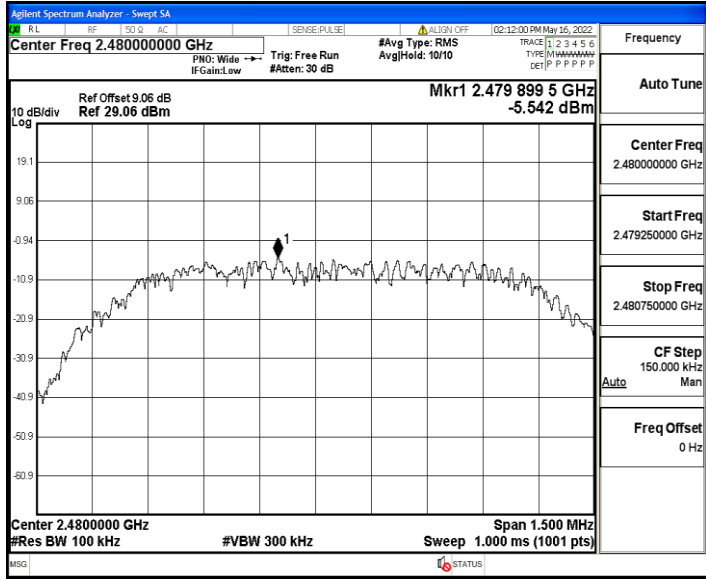
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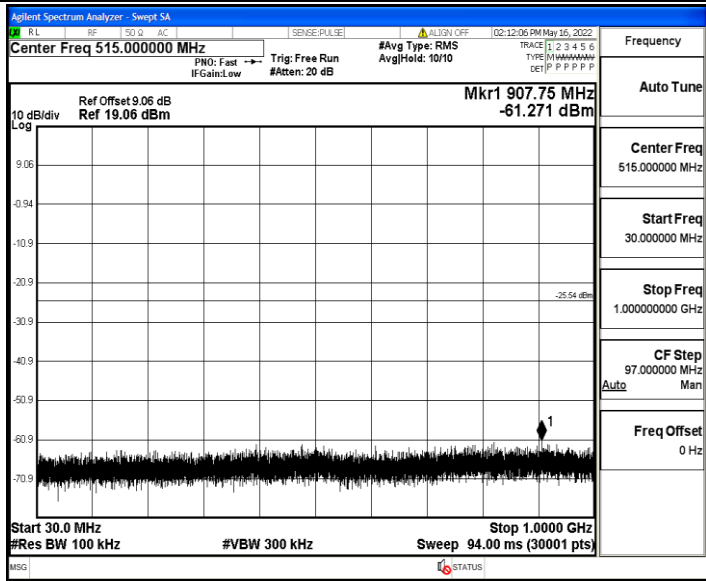
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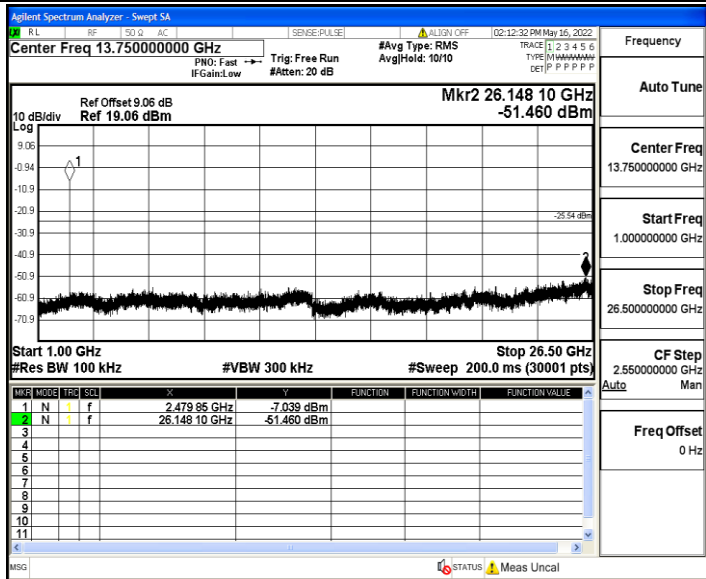
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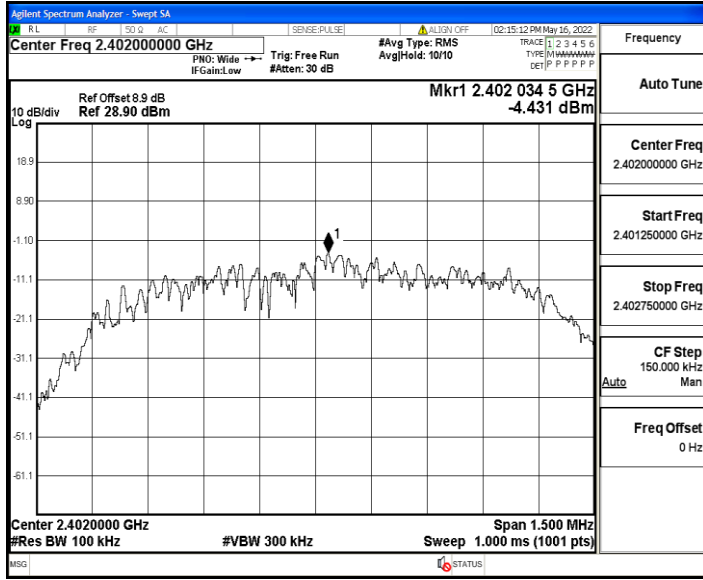
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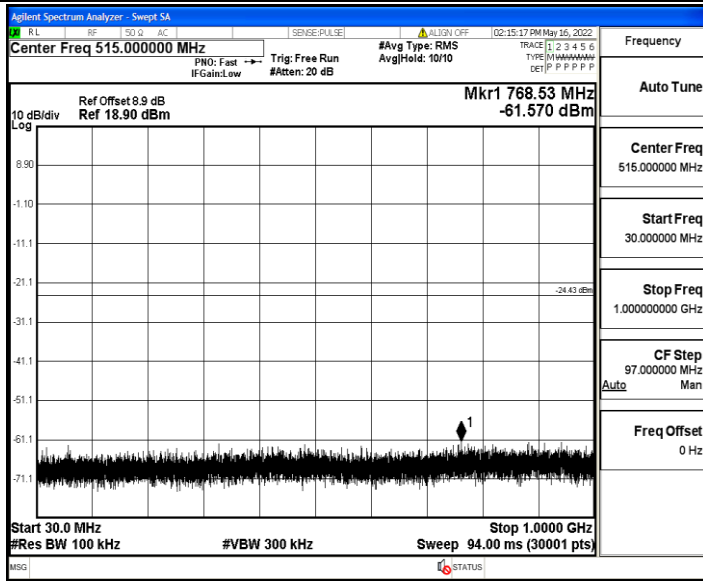
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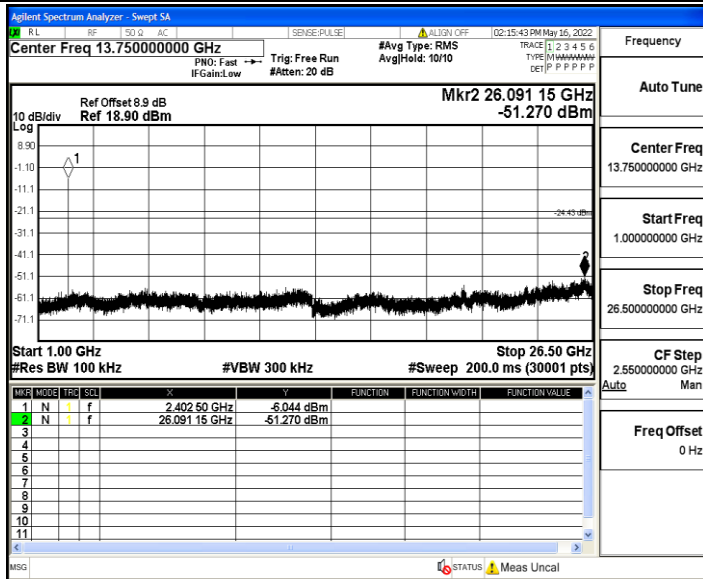
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference