

RF Test Data for BT(BDR/EDR) (Conducted Measurement)**Product Name: Set Top Box****Trade Mark: N/A****Test Model: SN8BKCC****FCC ID: 2AOVU-SN8BKC****Environmental Conditions**

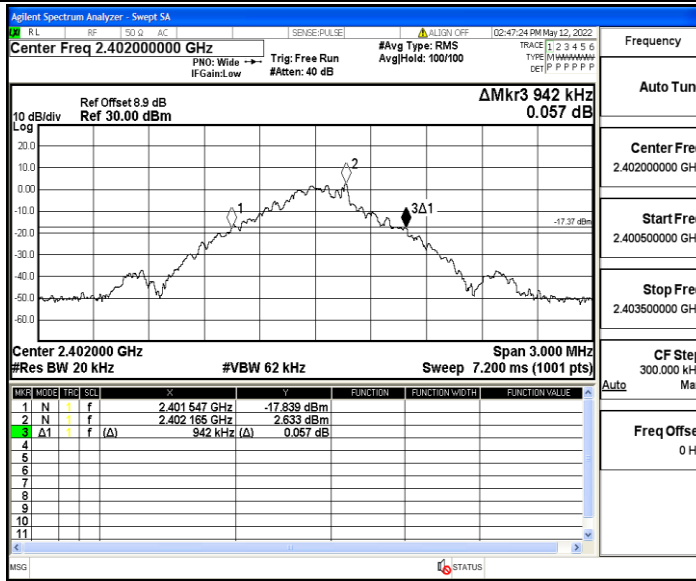
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

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

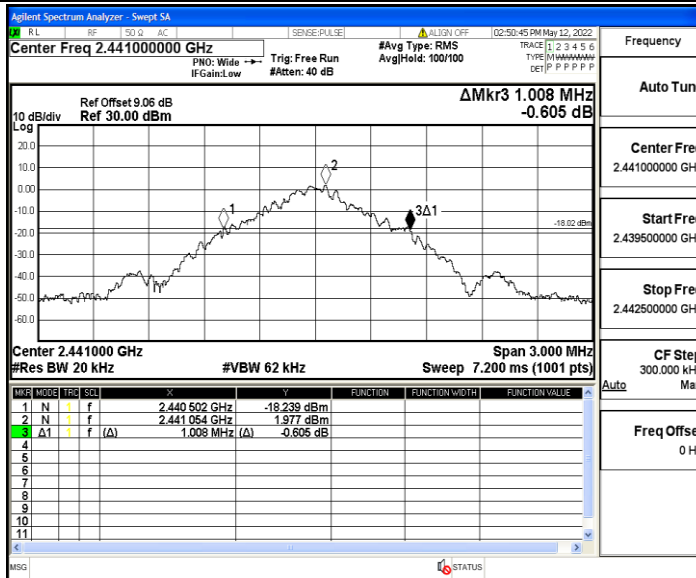
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.547	2402.489	---	PASS
		2441	1.008	2440.502	2441.510	---	PASS
		2480	1.029	2479.481	2480.510	---	PASS
2DH5	Ant1	2402	1.326	2401.340	2402.666	---	PASS
		2441	1.335	2440.331	2441.666	---	PASS
		2480	1.326	2479.325	2480.651	---	PASS
3DH5	Ant1	2402	1.299	2401.352	2402.651	---	PASS
		2441	1.317	2440.331	2441.648	---	PASS
		2480	1.329	2479.322	2480.651	---	PASS

Test Graphs

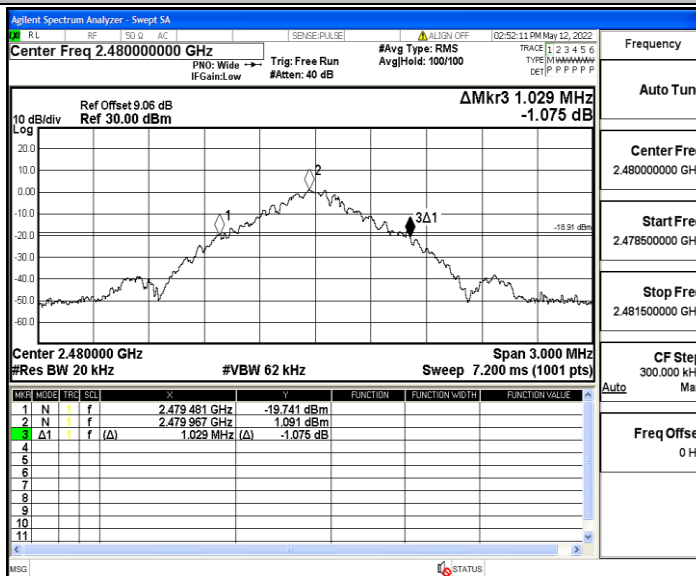
DH5_Ant1_2402



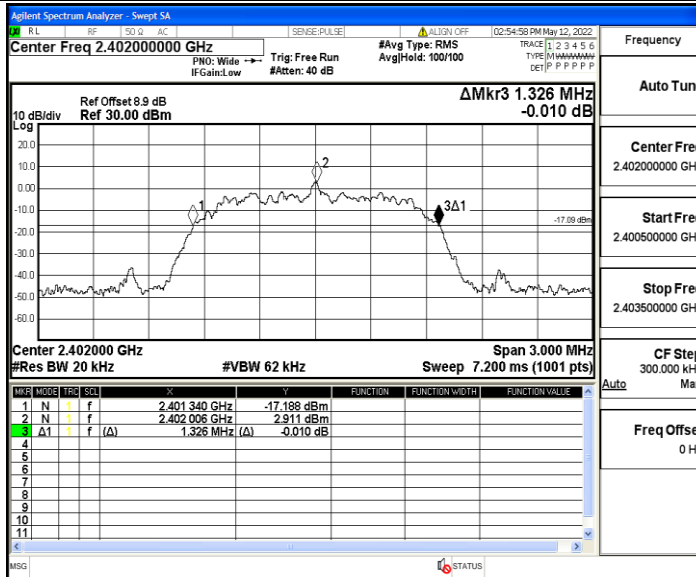
DH5_Ant1_2441



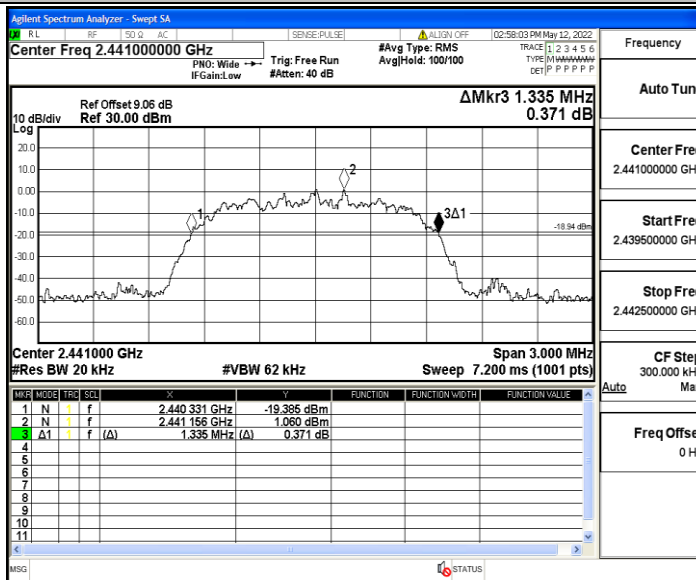
DH5_Ant1_2480



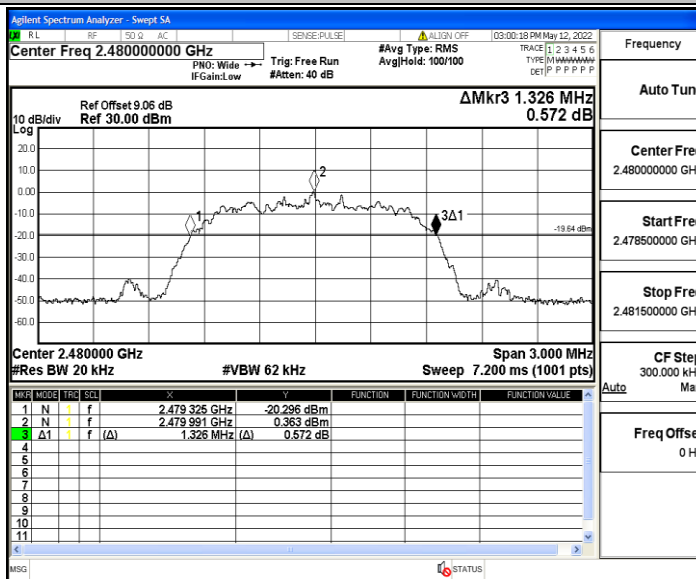
2DH5_Ant1_2402



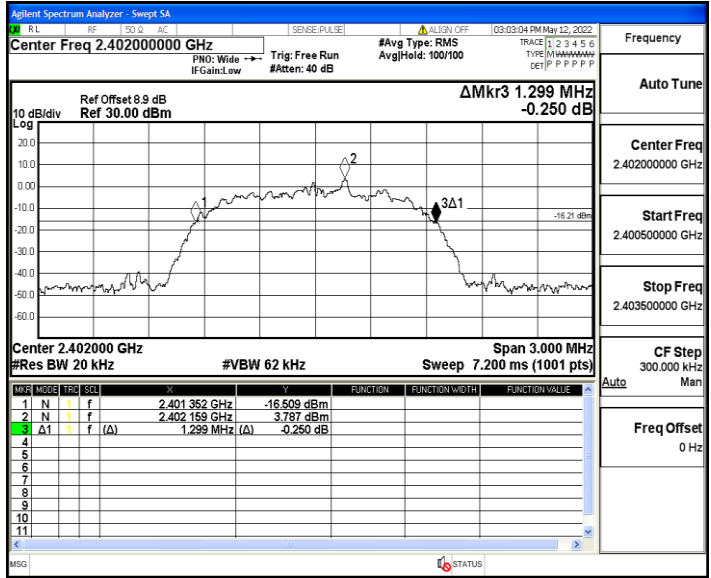
2DH5_Ant1_2441



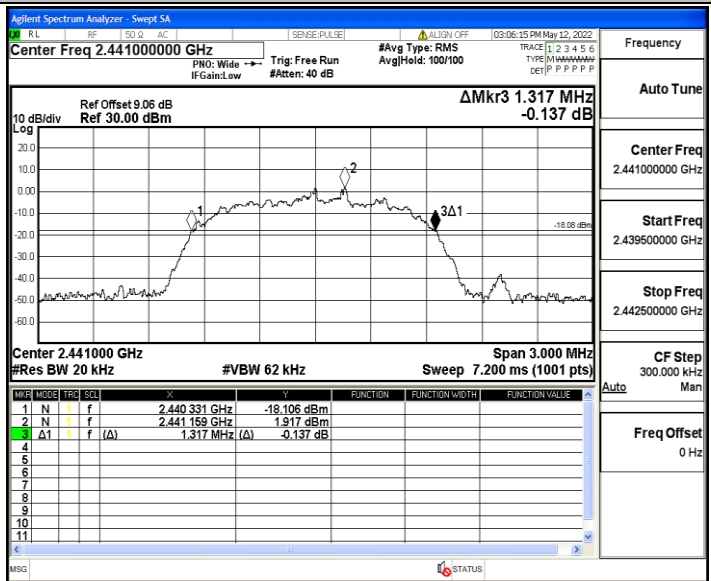
2DH5_Ant1_2480



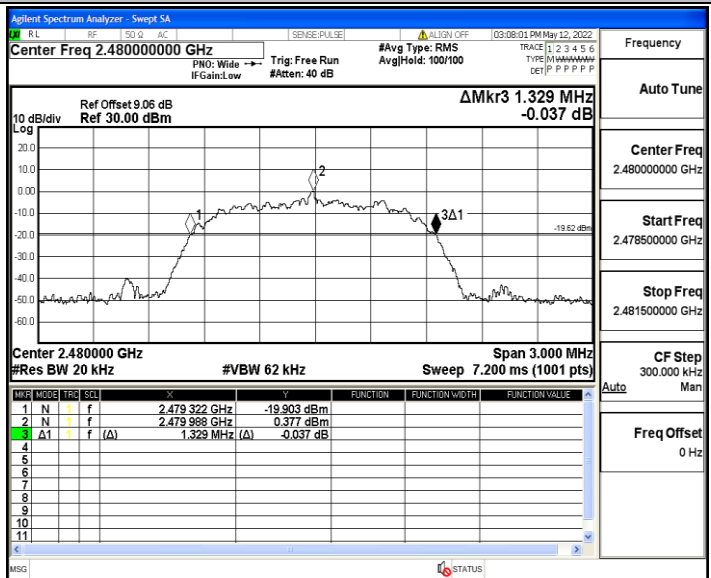
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



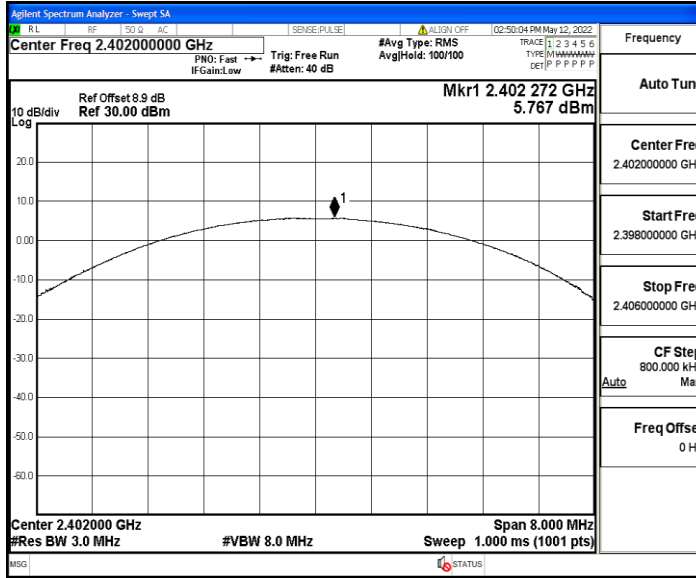
Appendix B: Maximum conducted output power

Test Result

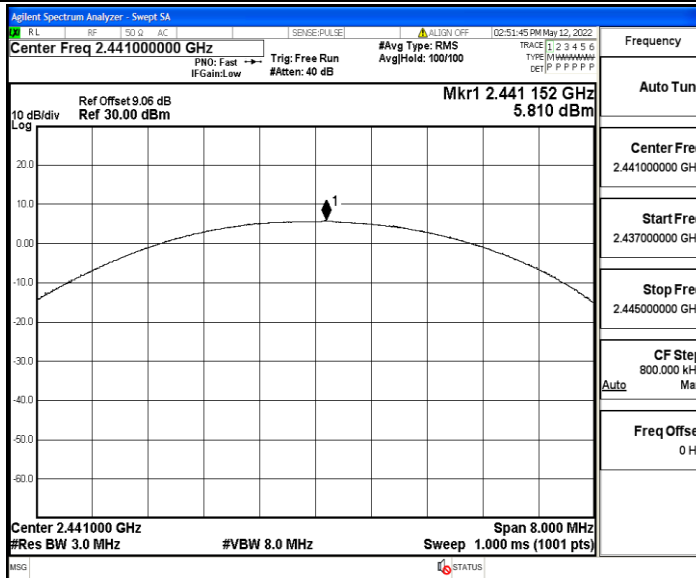
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	5.77	<=30.0	PASS
		2441	5.81	<=30.0	PASS
		2480	5.27	<=30.0	PASS
2DH5	Ant1	2402	9.08	<=20.97	PASS
		2441	7.67	<=20.97	PASS
		2480	6.59	<=20.97	PASS
3DH5	Ant1	2402	9.58	<=20.97	PASS
		2441	8.13	<=20.97	PASS
		2480	7.04	<=20.97	PASS

Test Graphs

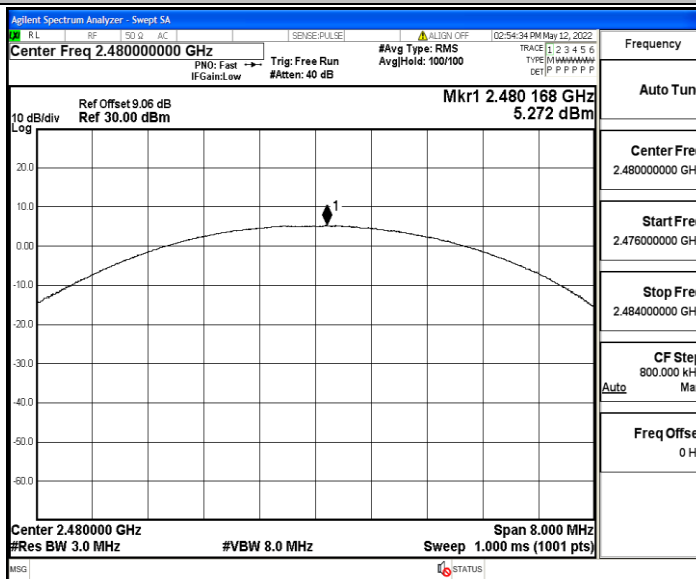
DH5_Ant1_2402



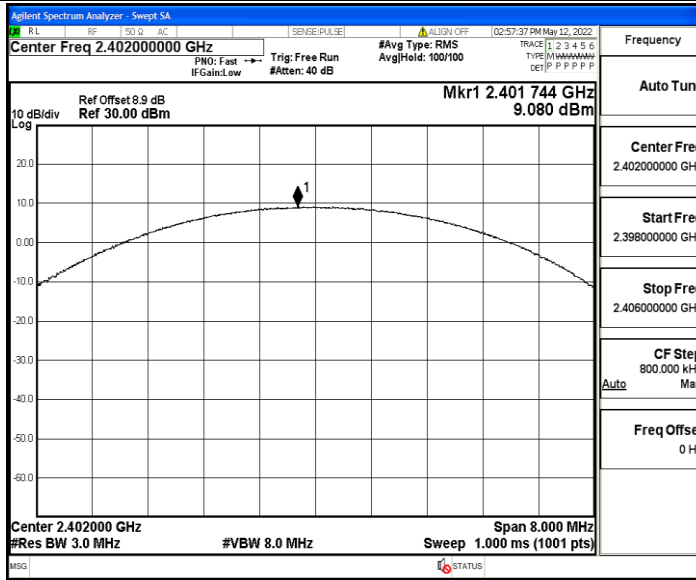
DH5_Ant1_2441



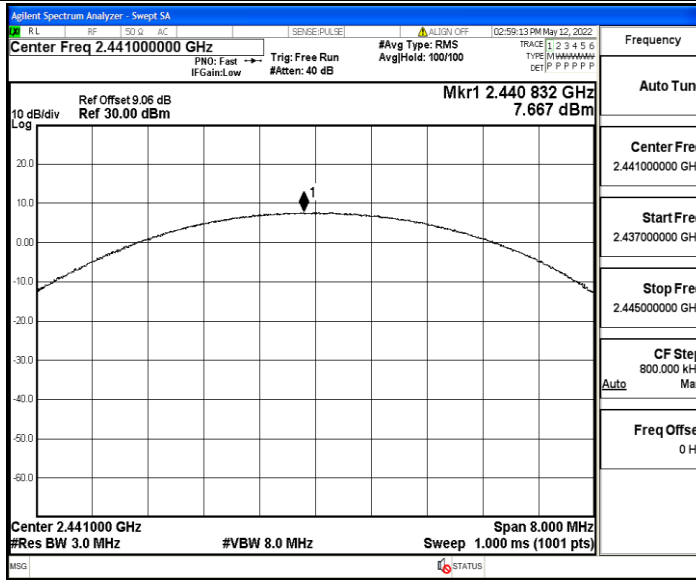
DH5_Ant1_2480



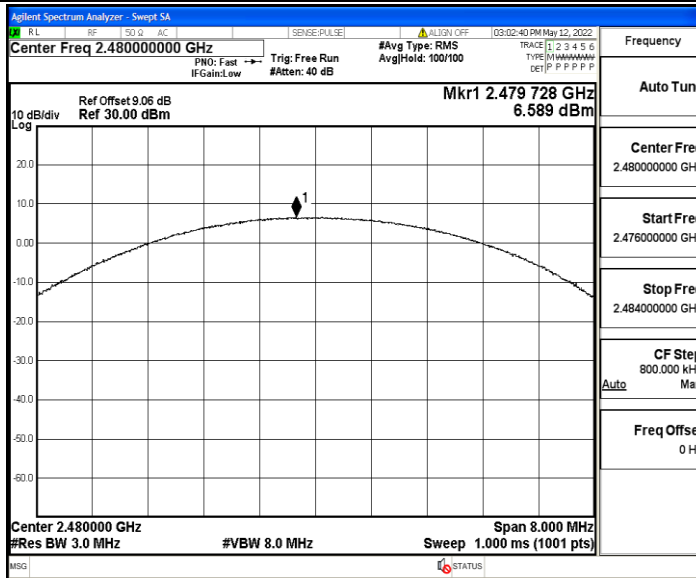
2DH5_Ant1_2402



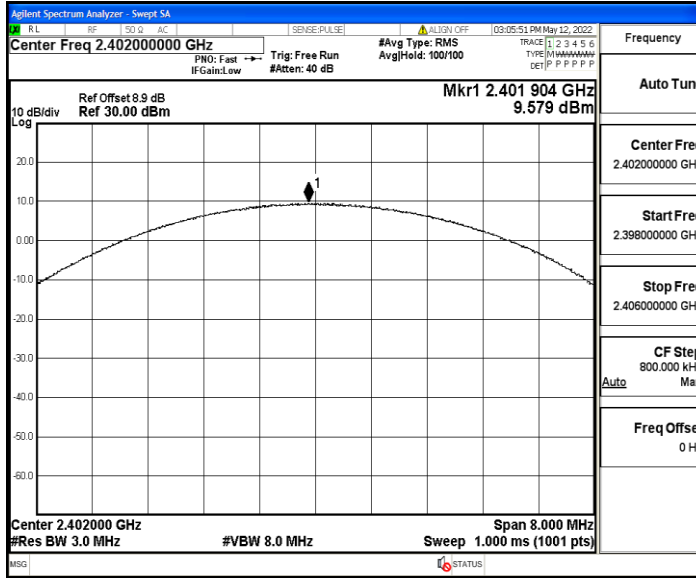
2DH5_Ant1_2441



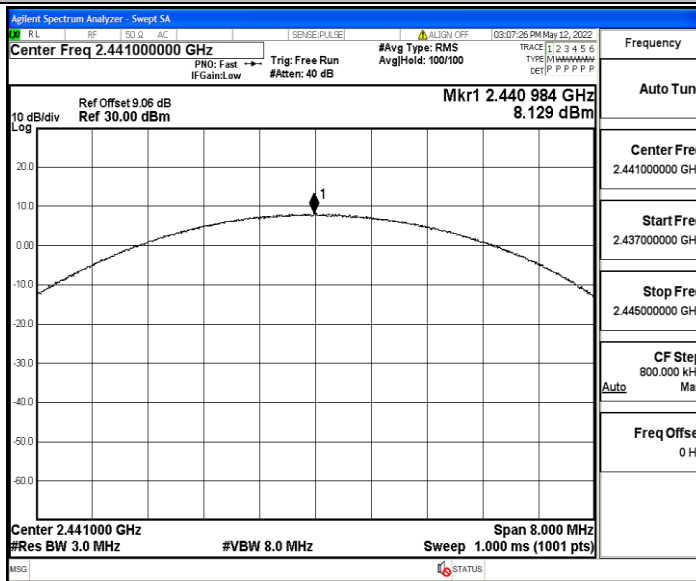
2DH5_Ant1_2480



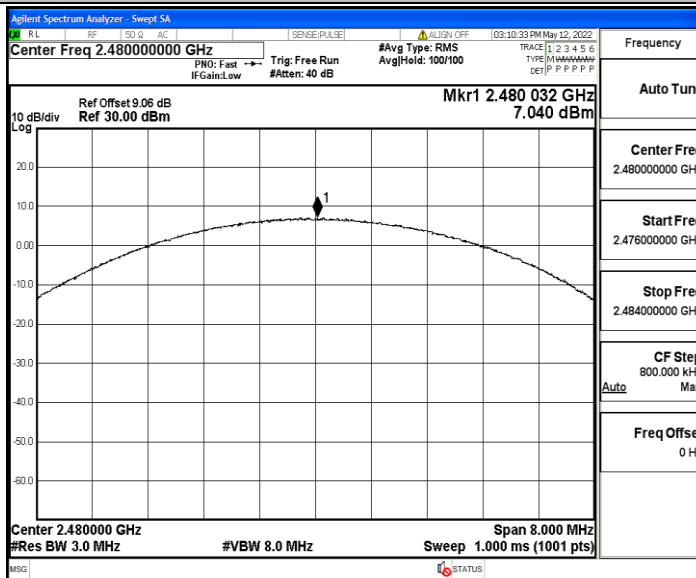
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



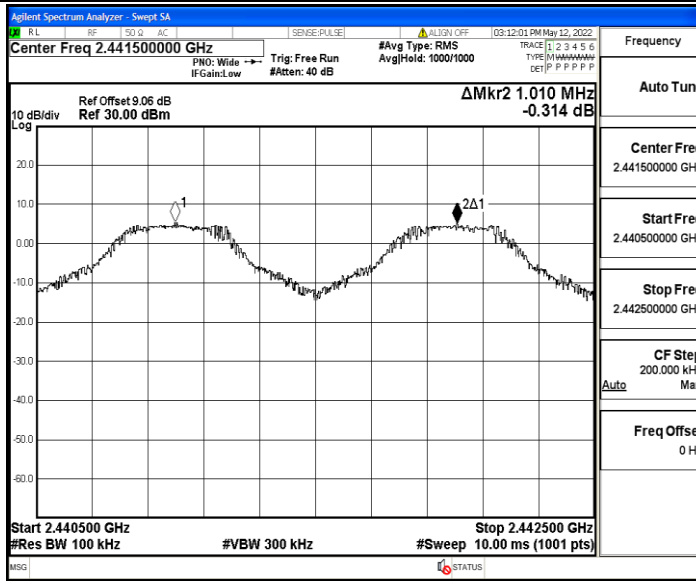
Appendix C: Carrier frequency separation

Test Result

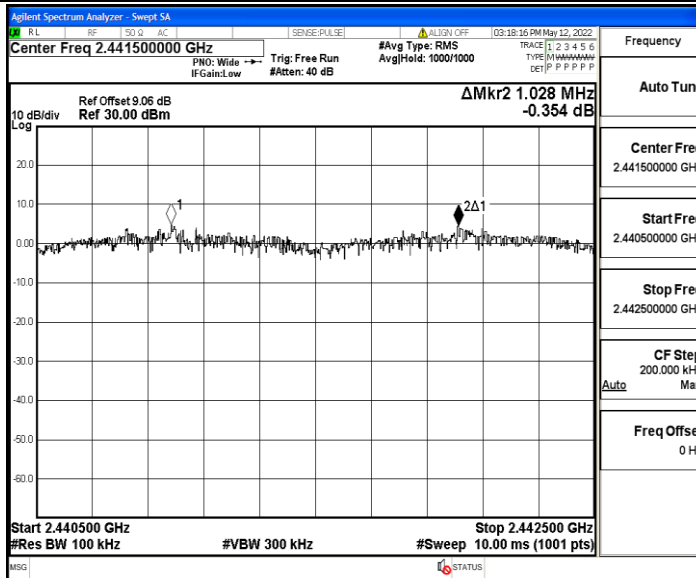
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.01	≥0.686	PASS
2DH5	Ant1	Hop	1.028	≥0.890	PASS
3DH5	Ant1	Hop	1.16	≥0.886	PASS

Test Graphs

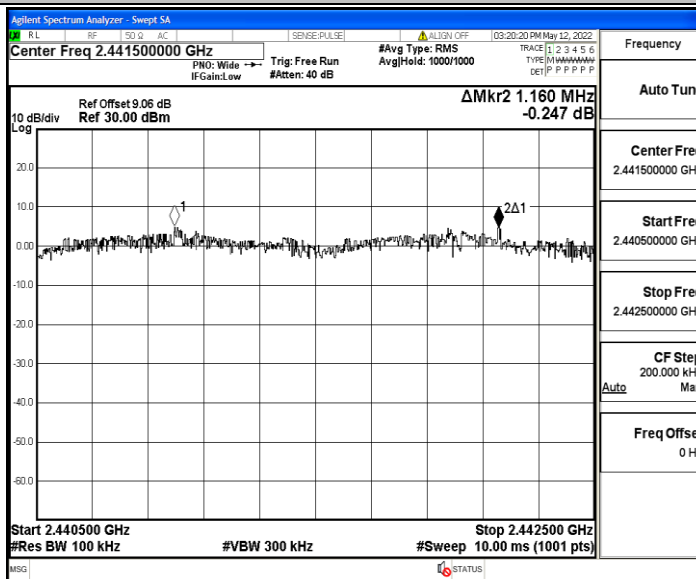
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



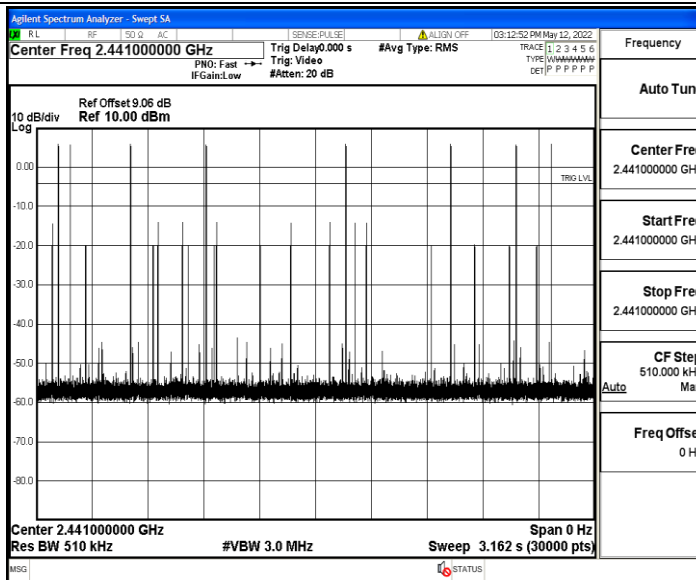
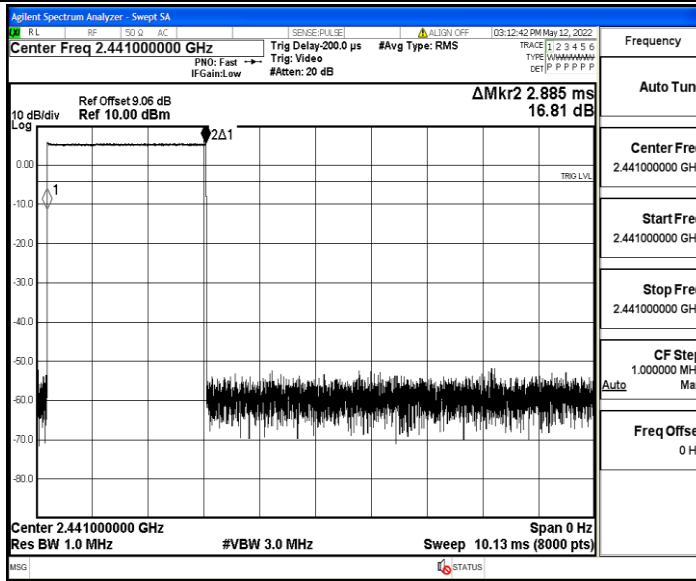
Appendix D: Time of occupancy

Test Result

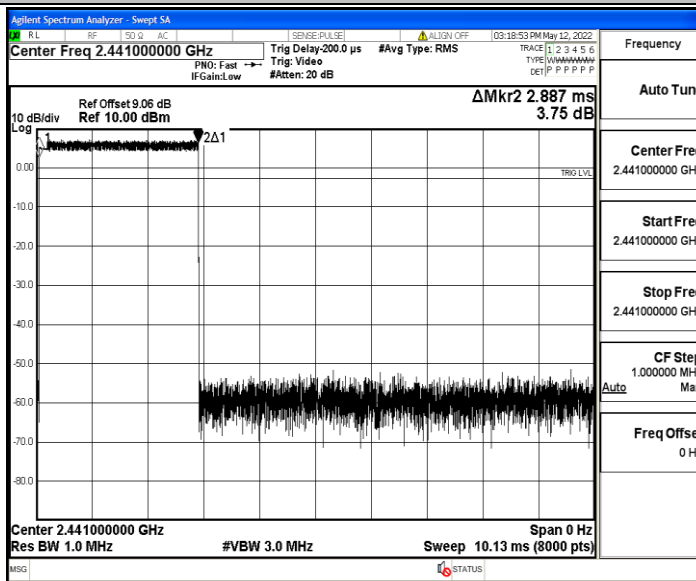
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	90	0.26	<=0.4	PASS
2DH5	Ant1	Hop	2.89	120	0.346	<=0.4	PASS
3DH5	Ant1	Hop	2.89	120	0.347	<=0.4	PASS

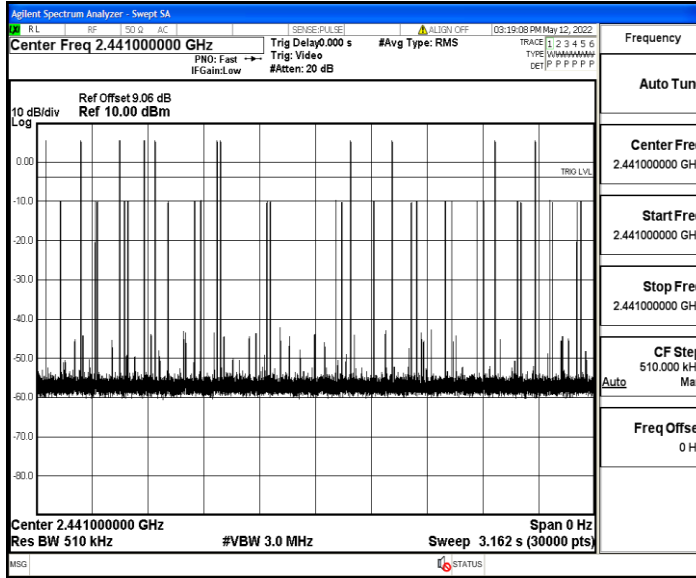
Test Graphs

DH5_Ant1_Hop

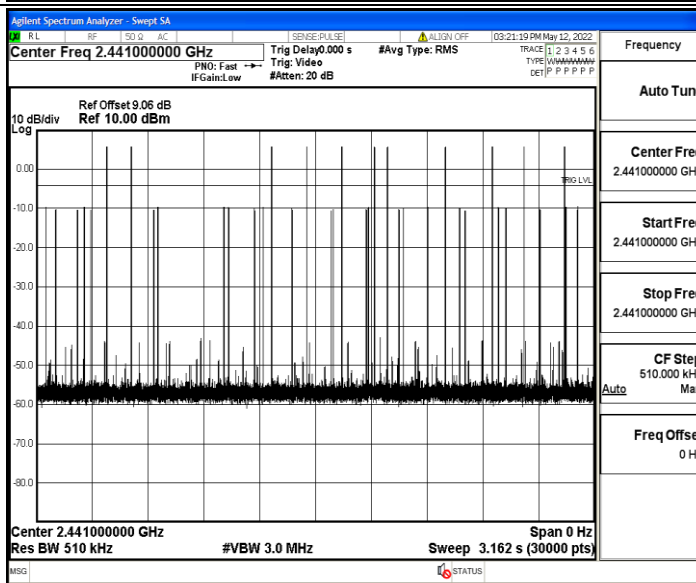
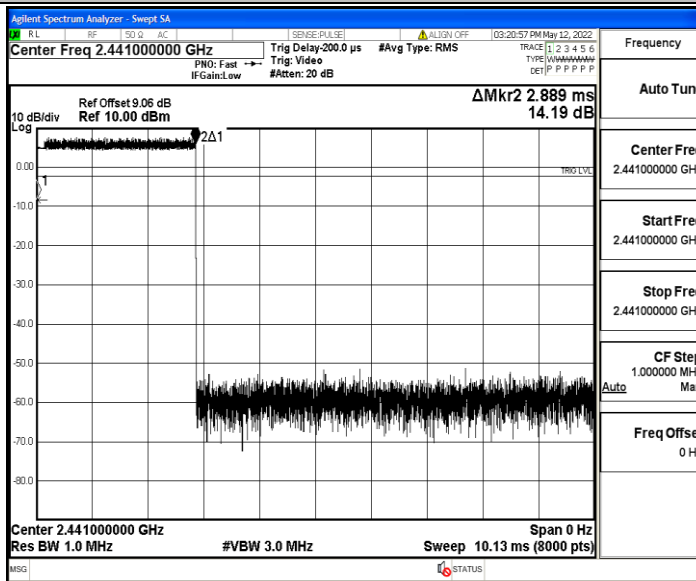


2DH5_Ant1_Hop





3DH5_Ant1_Hop



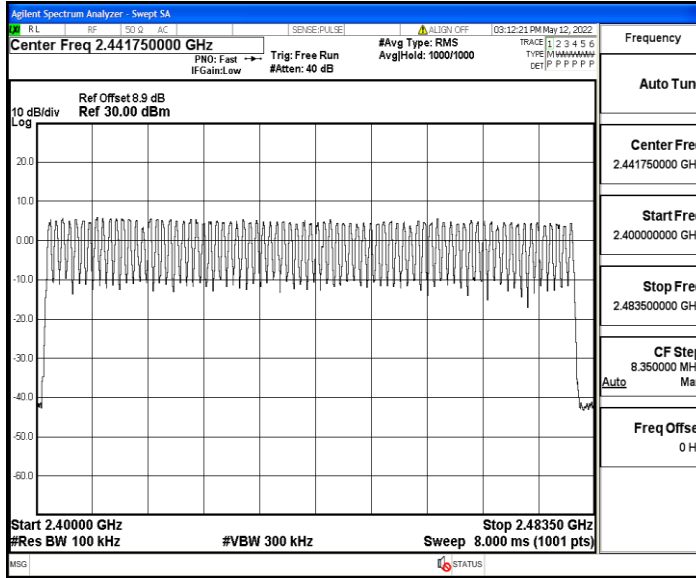
Appendix E: Number of hopping channels

Test Result

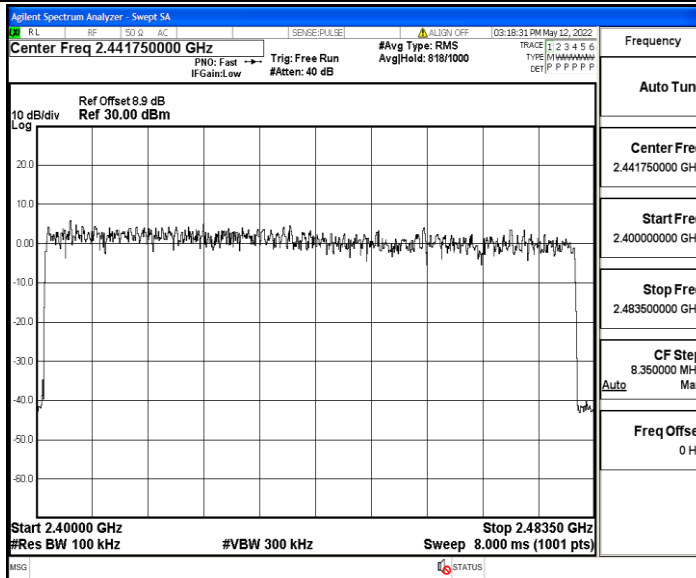
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS
3DH5	Ant1	Hop	79	>=15	PASS

Test Graphs

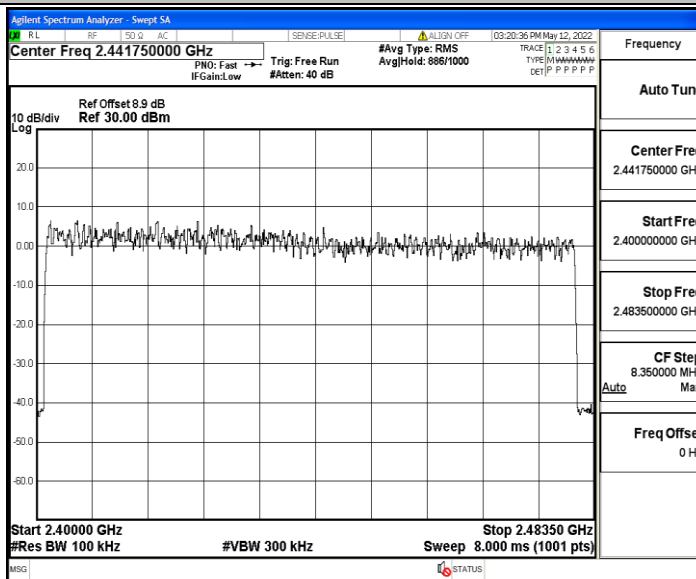
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



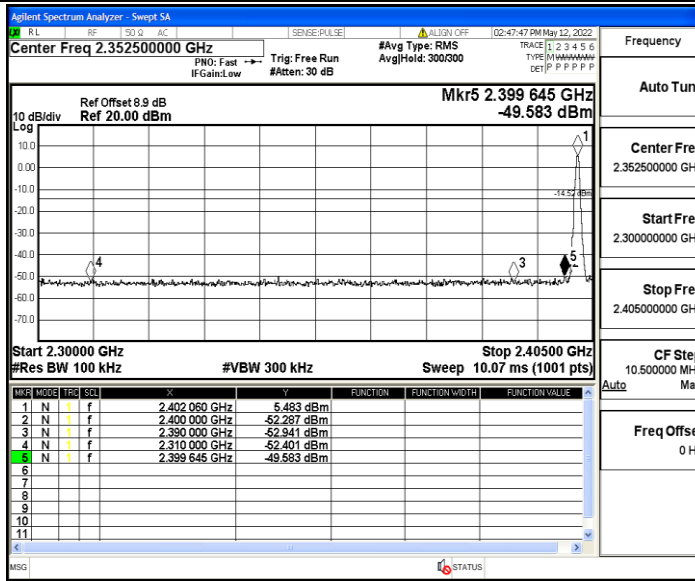
Appendix F: Band edge measurements

Test Result

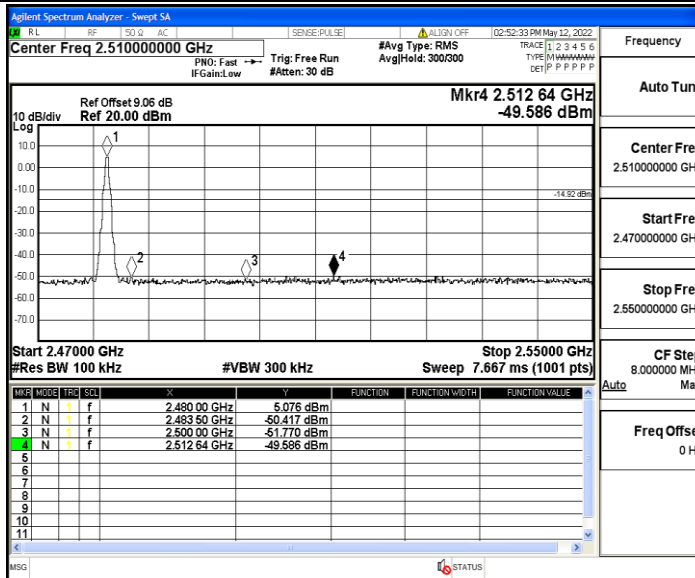
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.48	-49.58	≤-14.52	PASS
		High	2480	5.08	-49.59	≤-14.92	PASS
		Low	Hop_2402	4.89	-50.08	≤-15.11	PASS
		High	Hop_2480	4.63	-49.48	≤-15.37	PASS
2DH5	Ant1	Low	2402	4.63	-48.45	≤-15.37	PASS
		High	2480	3.90	-49.87	≤-16.1	PASS
		Low	Hop_2402	2.96	-50.45	≤-17.04	PASS
		High	Hop_2480	2.68	-47.93	≤-17.32	PASS
3DH5	Ant1	Low	2402	6.40	-48.93	≤-13.6	PASS
		High	2480	3.88	-50.02	≤-16.12	PASS
		Low	Hop_2402	4.95	-49.56	≤-15.05	PASS
		High	Hop_2480	2.19	-48.98	≤-17.81	PASS

Test Graphs

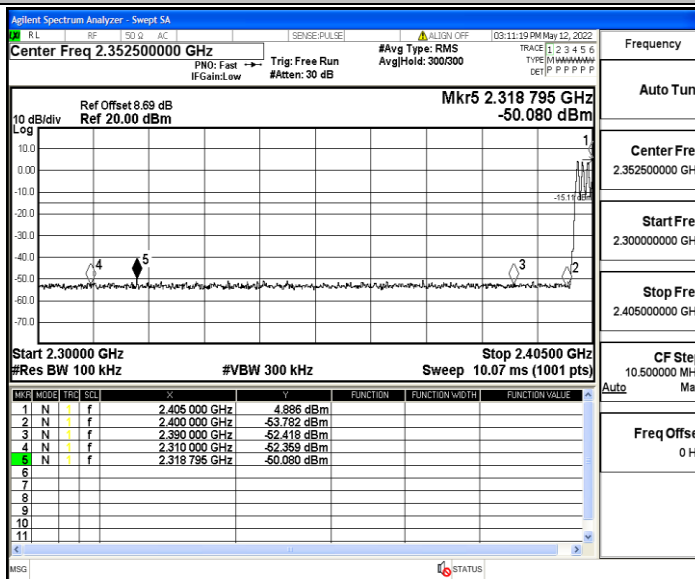
DH5_Ant1_Low_2402



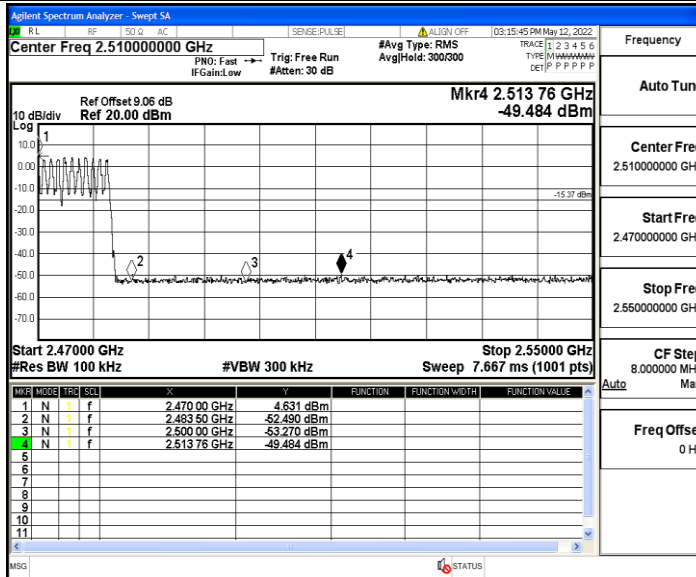
DH5_Ant1_High_2480



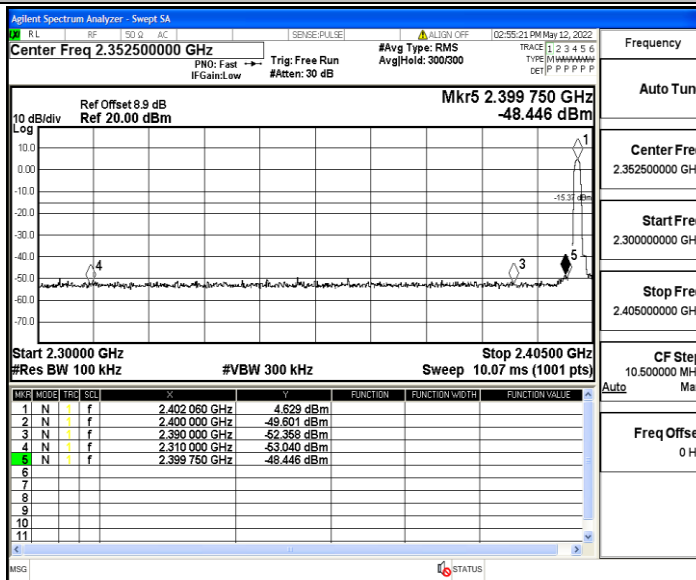
DH5_Ant1_Low_Hop_2402



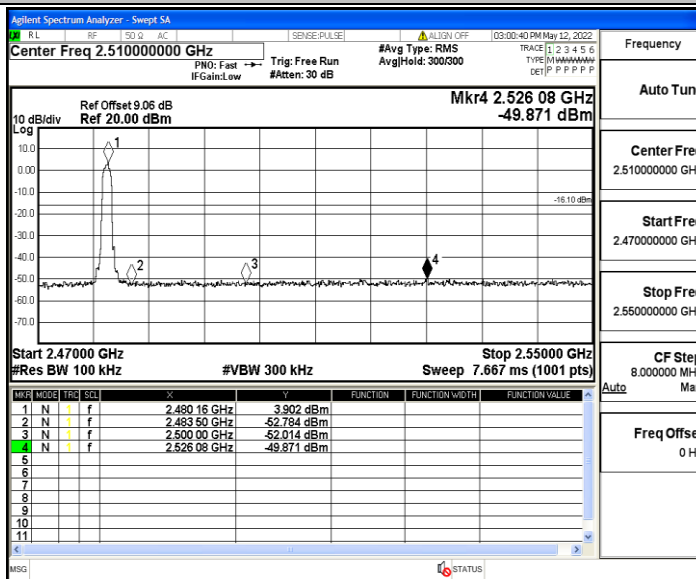
DH5_Ant1_High_Hop_2480



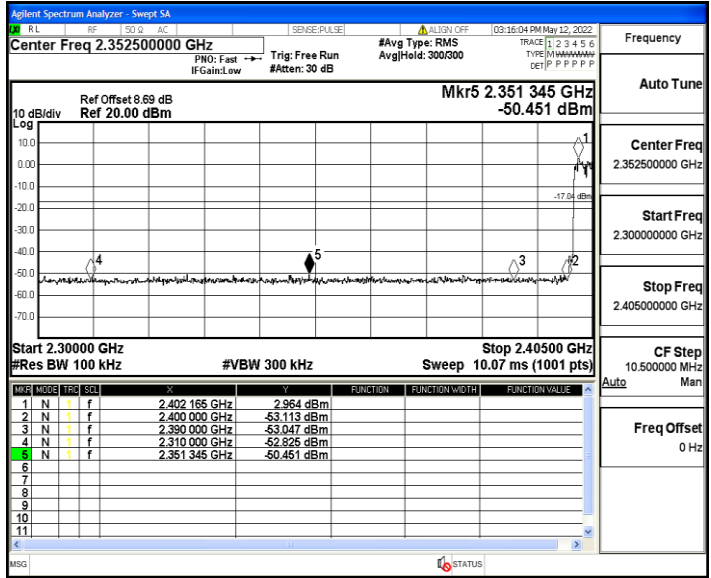
2DH5_Ant1_Low_2402



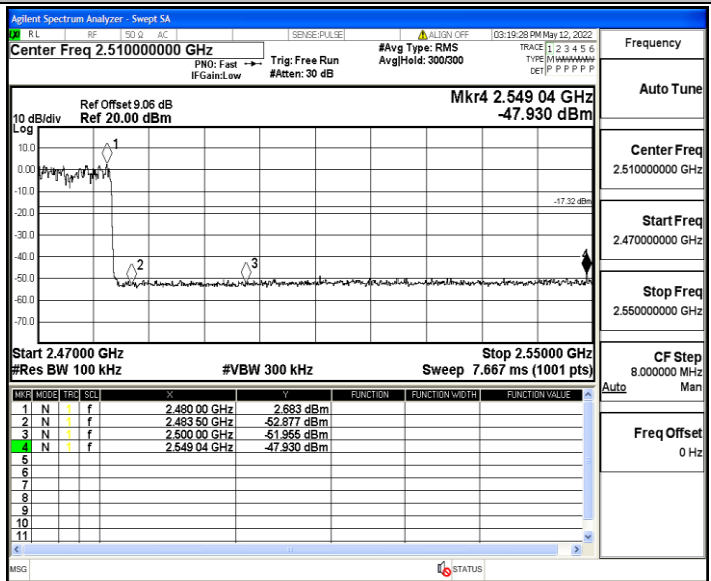
2DH5_Ant1_High_2480



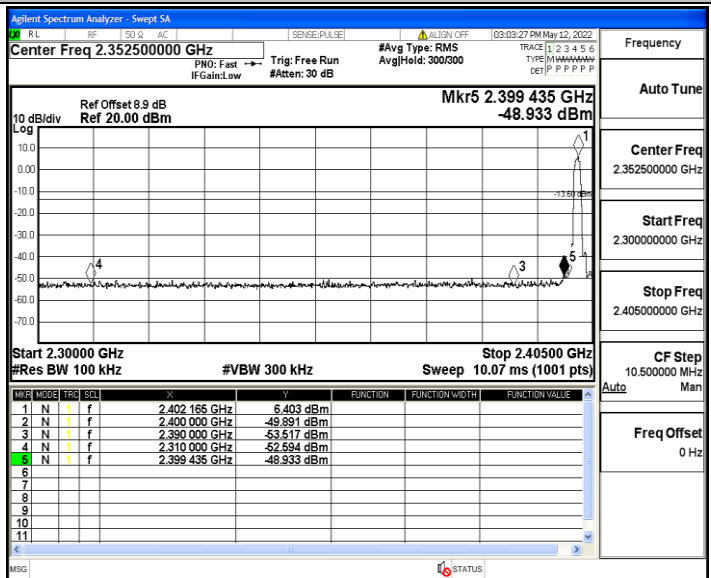
2DH5_Ant1_Low_Hop_2402



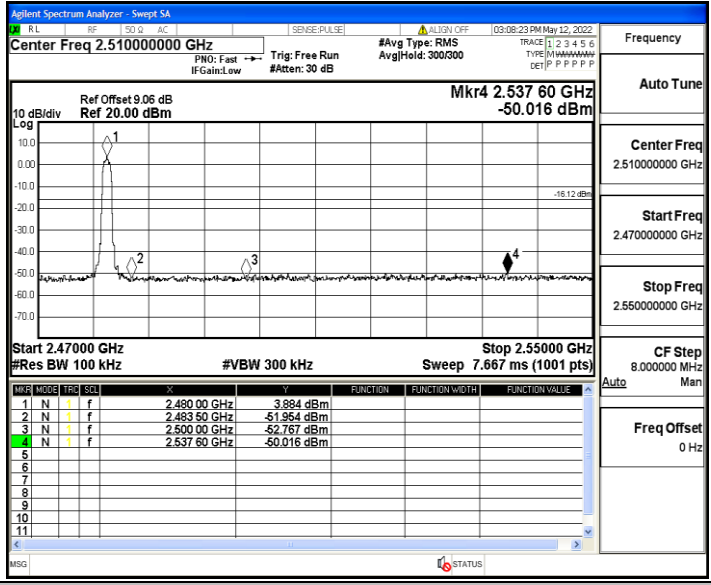
2DH5_Ant1_High_Hop_2480



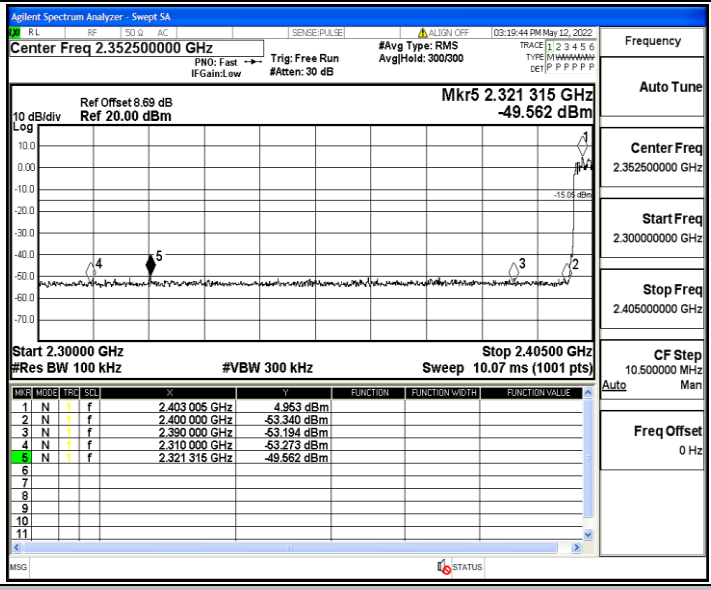
3DH5_Ant1_Low_2402



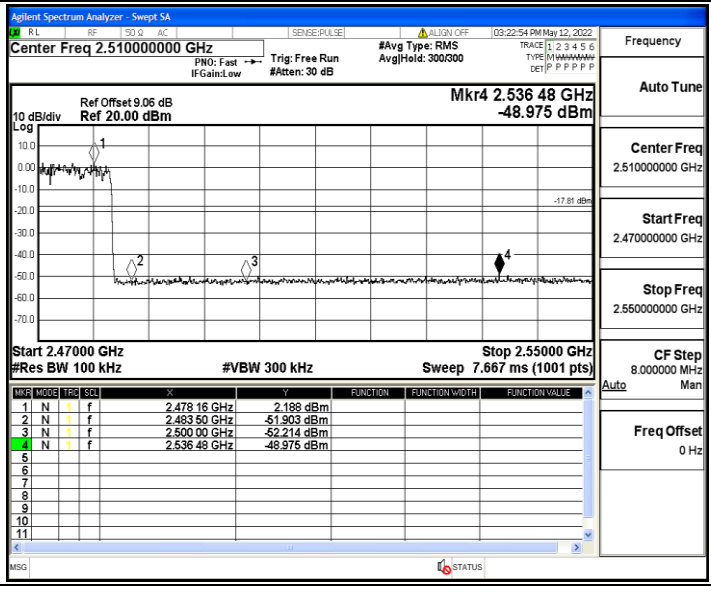
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



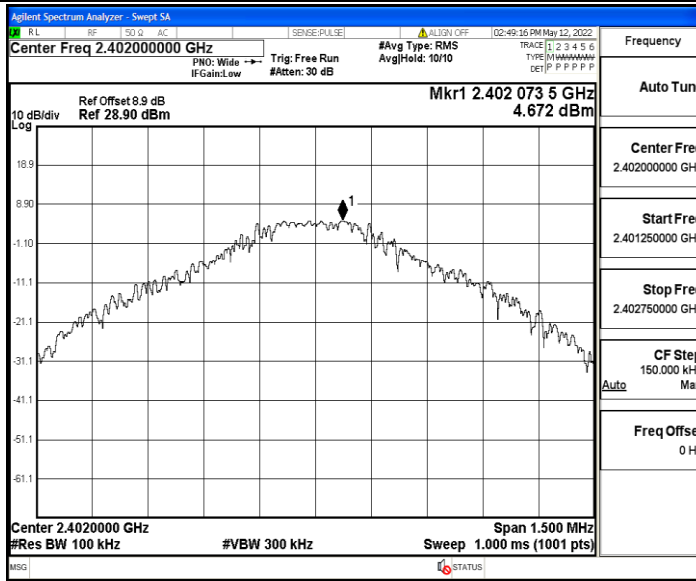
Appendix G: Conducted Spurious Emission

Test Result

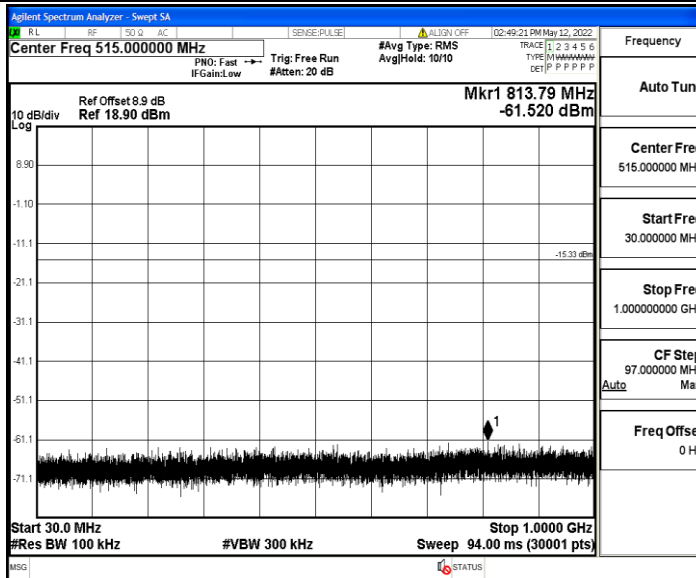
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.67	4.67	---	PASS
			30~1000	4.67	-61.52	≤-15.33	PASS
			1000~26500	4.67	-47.96	≤-15.33	PASS
		2441	Reference	4.55	4.55	---	PASS
			30~1000	4.55	-61.35	≤-15.45	PASS
			1000~26500	4.55	-50.27	≤-15.45	PASS
		2480	Reference	4.33	4.33	---	PASS
			30~1000	4.33	-62.41	≤-15.67	PASS
			1000~26500	4.33	-50.56	≤-15.67	PASS
2DH5	Ant1	2402	Reference	3.96	3.96	---	PASS
			30~1000	3.96	-60.06	≤-16.04	PASS
			1000~26500	3.96	-45.04	≤-16.04	PASS
		2441	Reference	4.03	4.03	---	PASS
			30~1000	4.03	-61.56	≤-15.97	PASS
			1000~26500	4.03	-47.26	≤-15.97	PASS
		2480	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-61.23	≤-19.12	PASS
			1000~26500	0.88	-48.1	≤-19.12	PASS
3DH5	Ant1	2402	Reference	4.08	4.08	---	PASS
			30~1000	4.08	-62	≤-15.92	PASS
			1000~26500	4.08	-45.14	≤-15.92	PASS
		2441	Reference	3.00	3.00	---	PASS
			30~1000	3.00	-61.17	≤-17	PASS
			1000~26500	3.00	-46.18	≤-17	PASS
		2480	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-61.7	≤-17.78	PASS
			1000~26500	2.22	-47.93	≤-17.78	PASS

Test Graphs

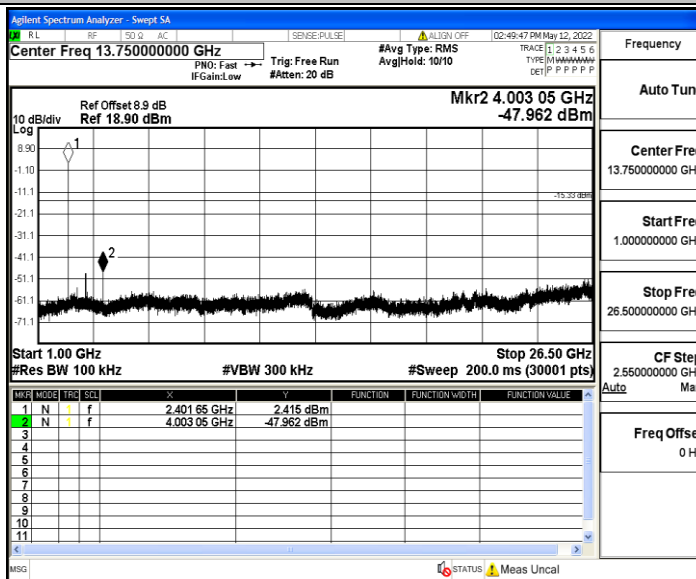
DH5_Ant1_2402_0~Reference



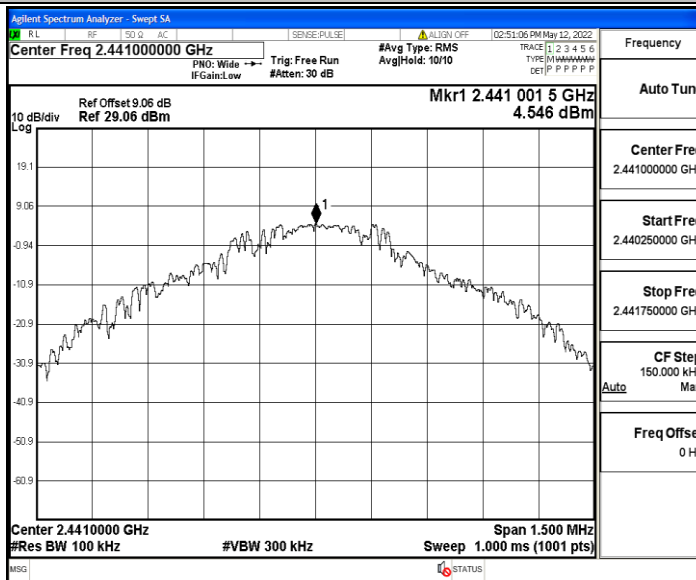
DH5_Ant1_2402_30~1000



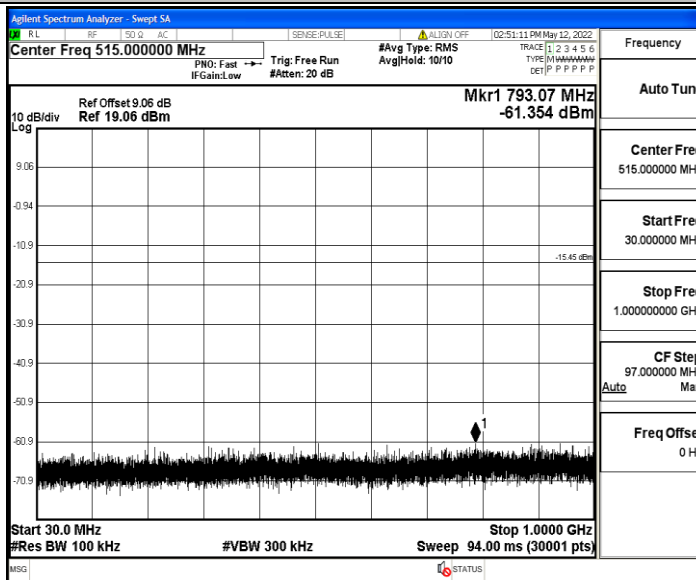
DH5_Ant1_2402_1000~26500



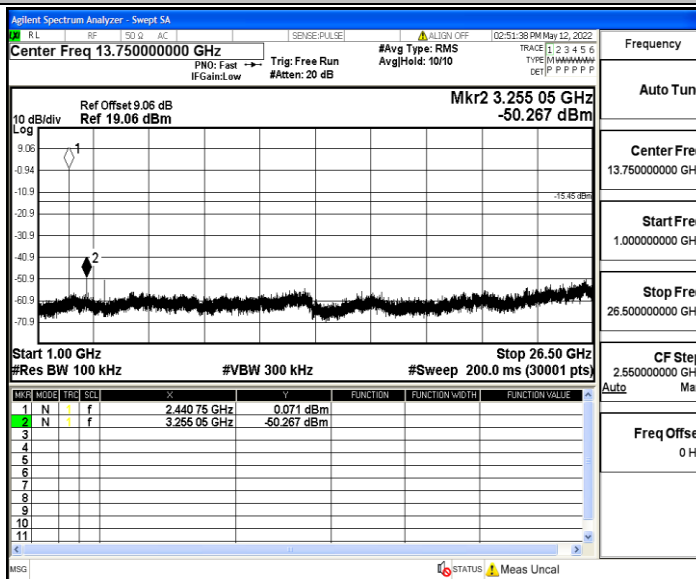
DH5_Ant1_2441_0~Reference



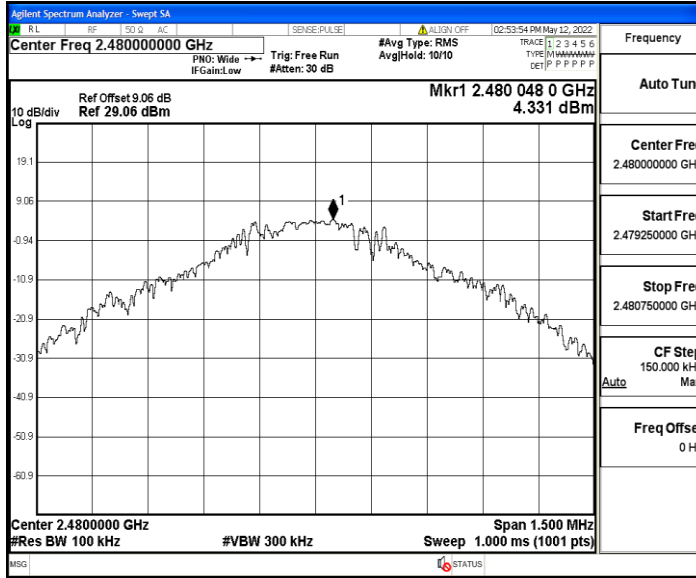
DH5_Ant1_2441_30~1000



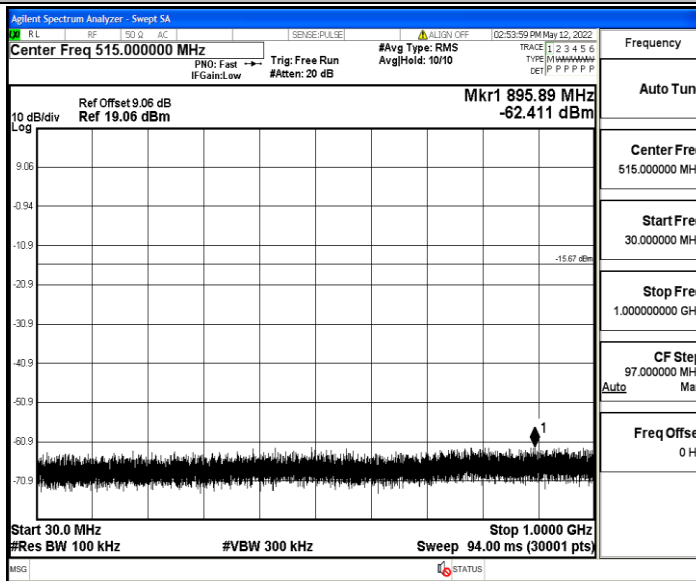
DH5_Ant1_2441_1000~26500



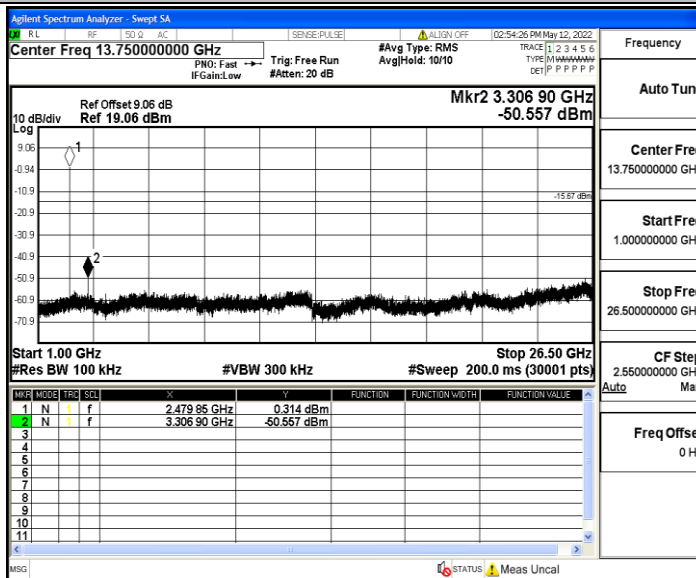
DH5_Ant1_2480_0~Reference



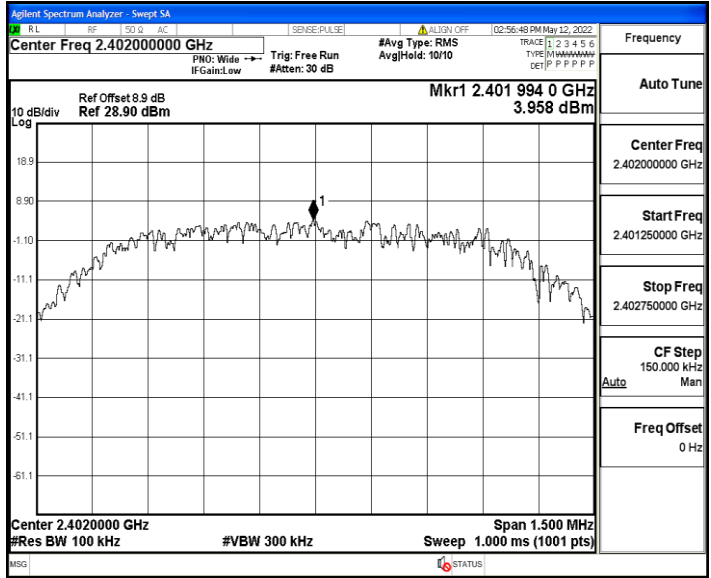
DH5_Ant1_2480_30~1000



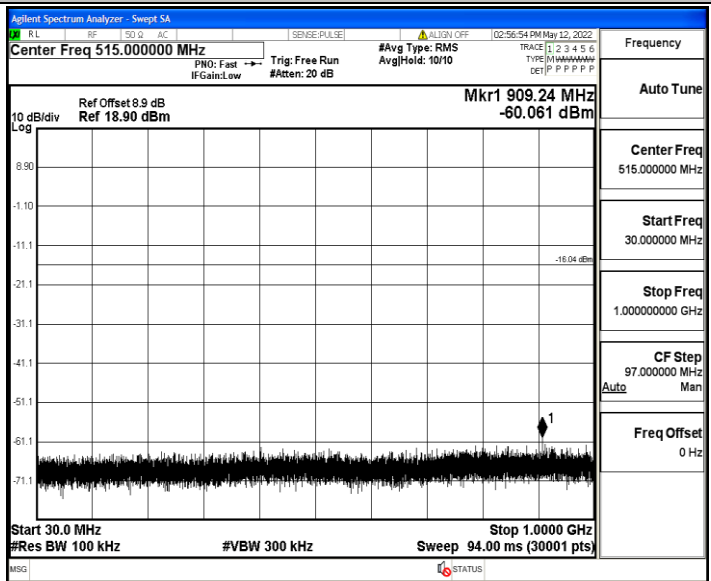
DH5_Ant1_2480_1000~26500



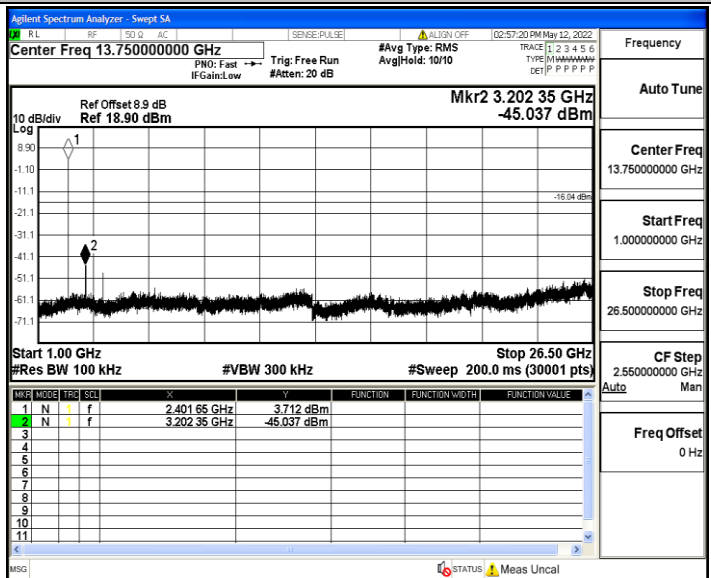
2DH5_Ant1_2402_0~Reference



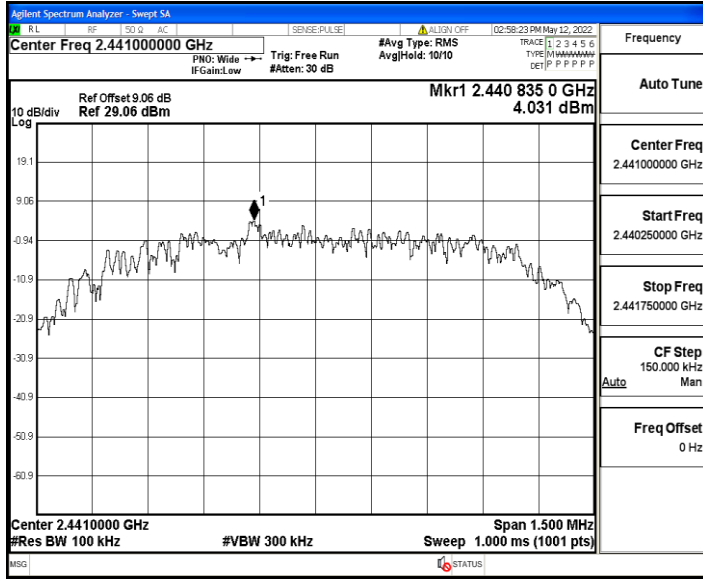
2DH5_Ant1_2402_30~1000



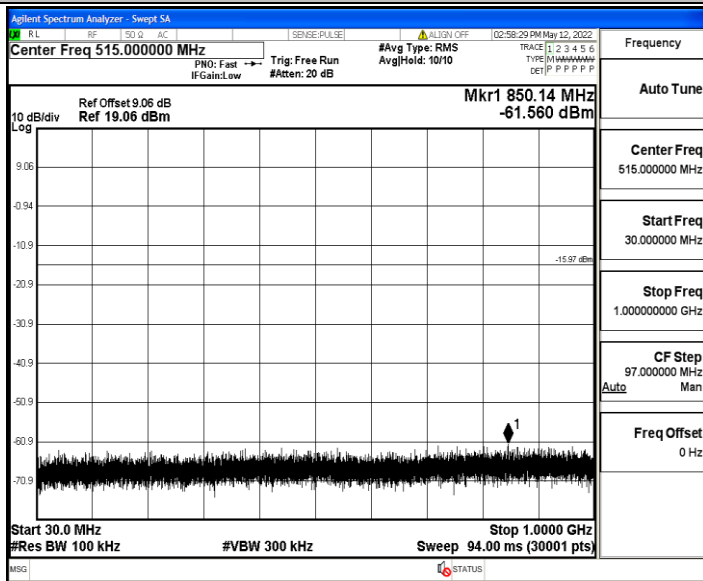
2DH5_Ant1_2402_1000~26500



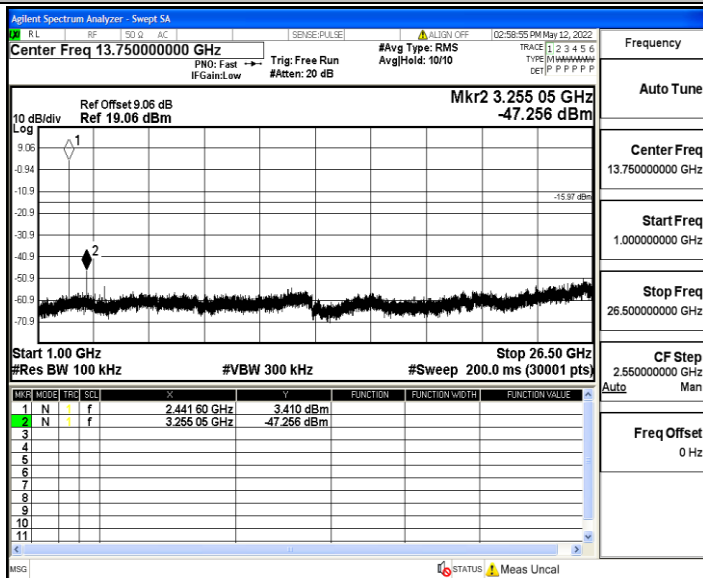
2DH5_Ant1_2441_0~Reference



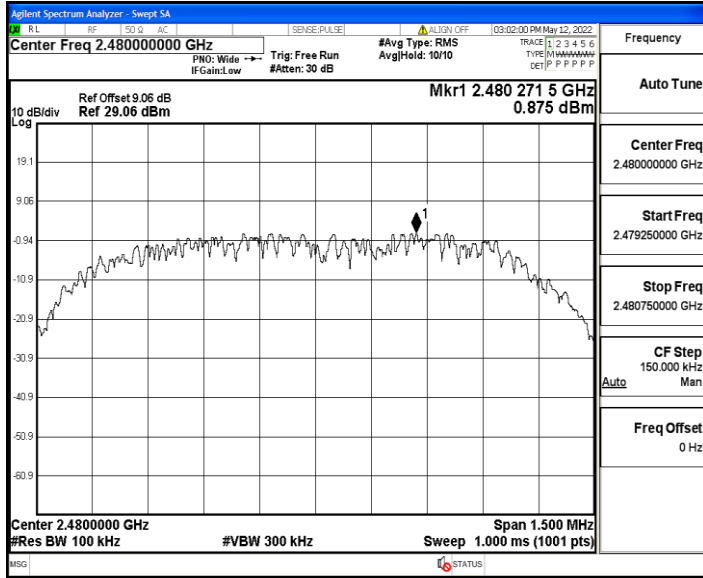
2DH5_Ant1_2441_30~1000



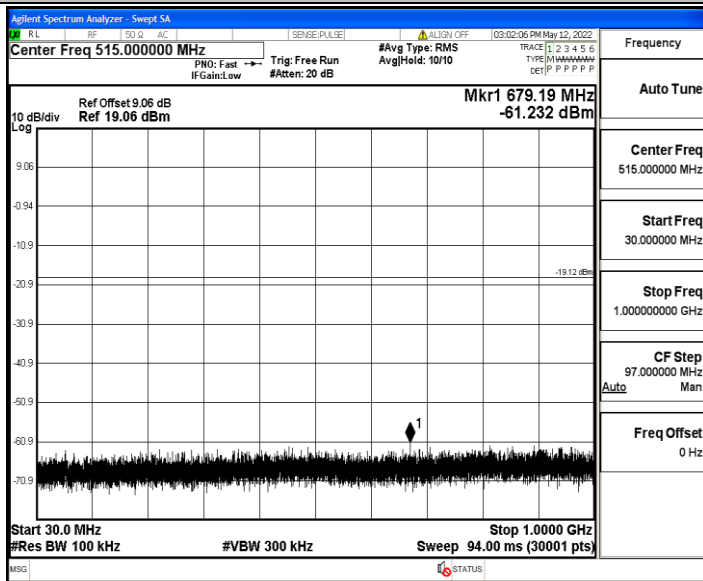
2DH5_Ant1_2441_1000~26500



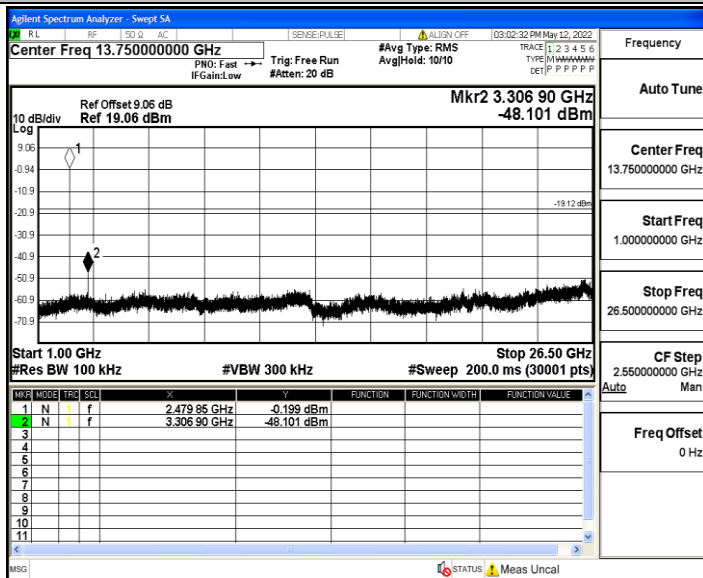
2DH5_Ant1_2480_0~Reference



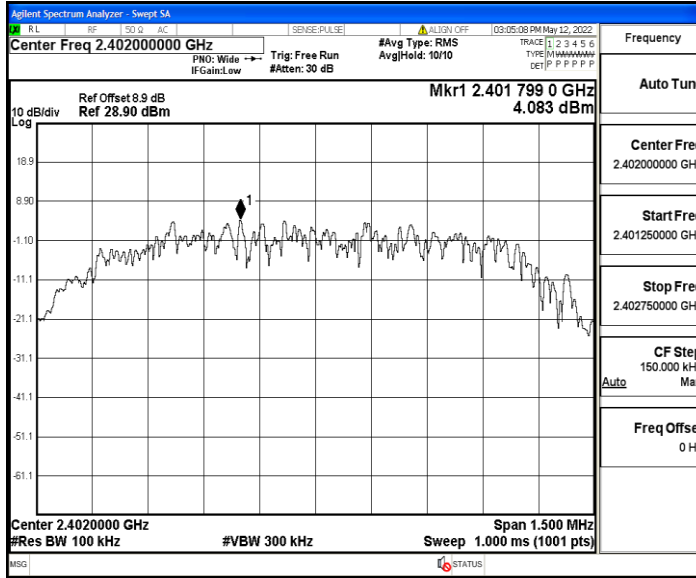
2DH5_Ant1_2480_30~1000



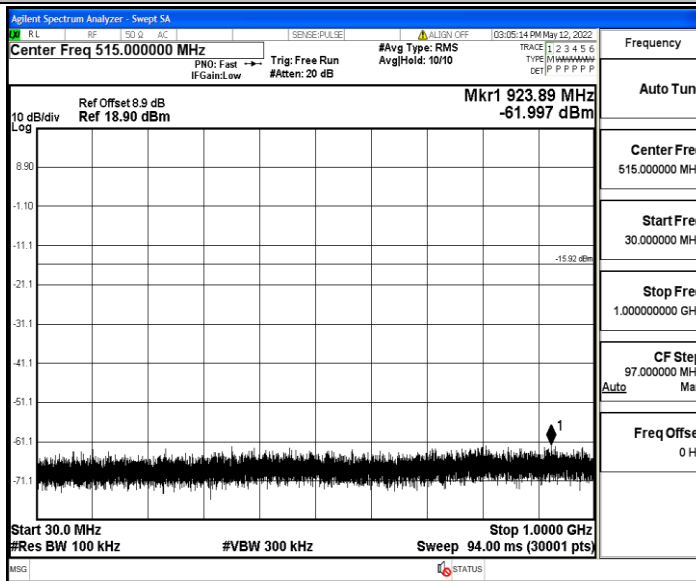
2DH5_Ant1_2480_1000~26500



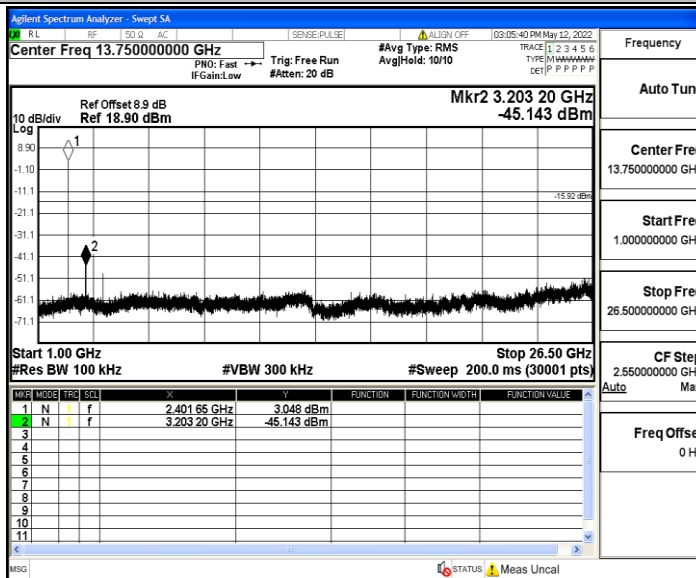
3DH5_Ant1_2402_0~Reference



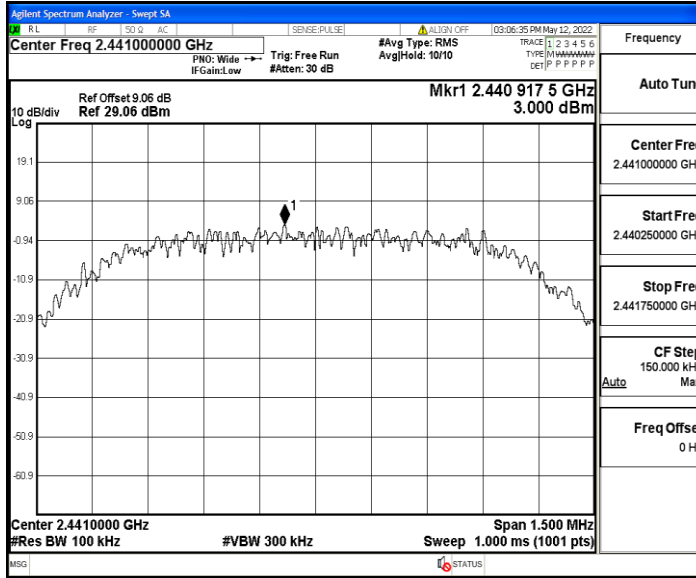
3DH5_Ant1_2402_30~1000



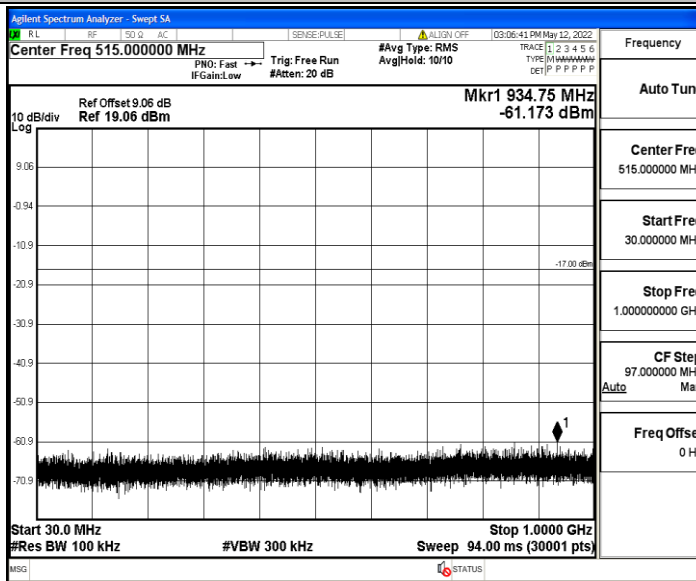
3DH5_Ant1_2402_1000~26500



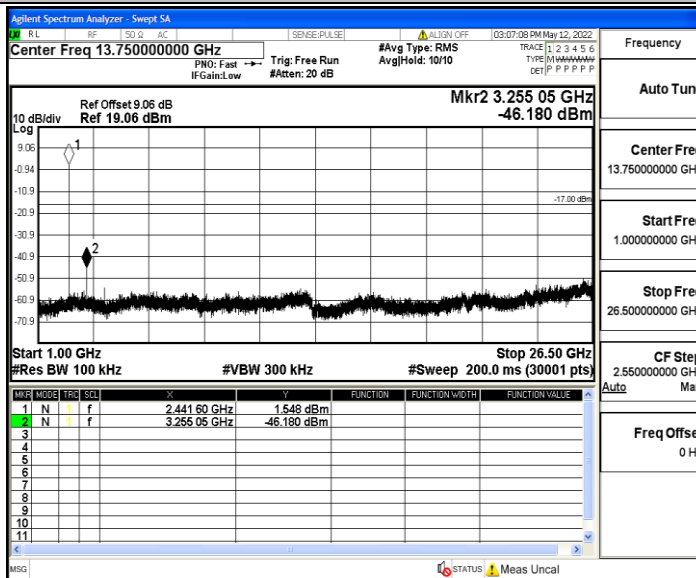
3DH5_Ant1_2441_0~Reference



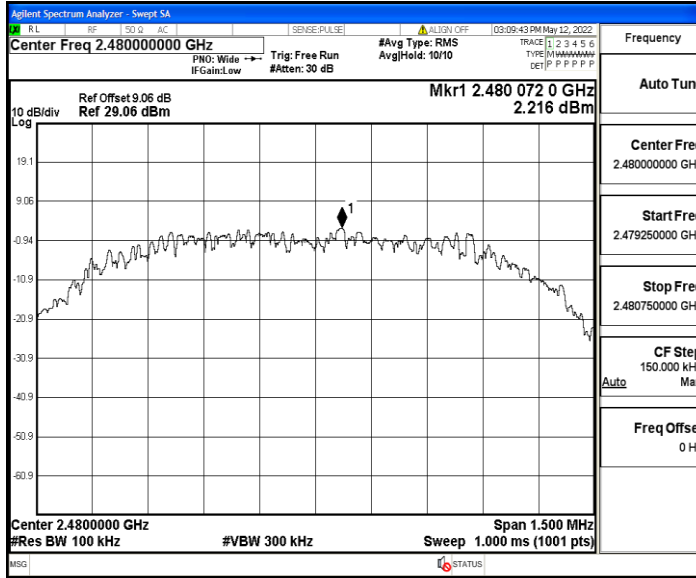
3DH5_Ant1_2441_30~1000



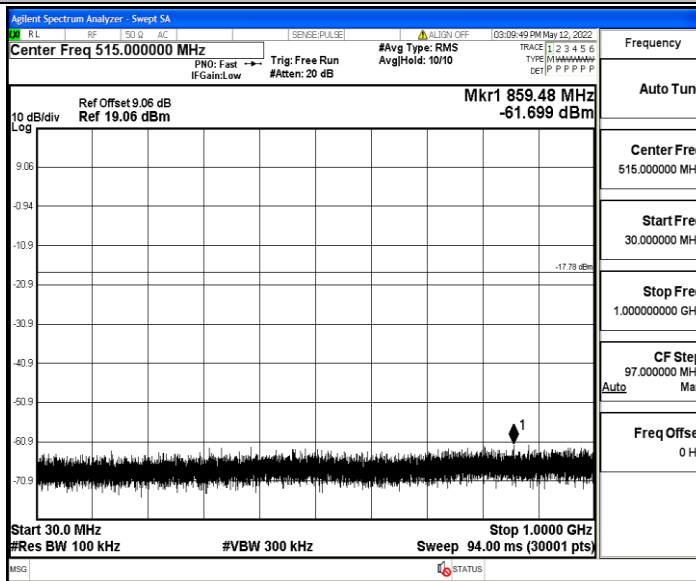
3DH5_Ant1_2441_1000~26500



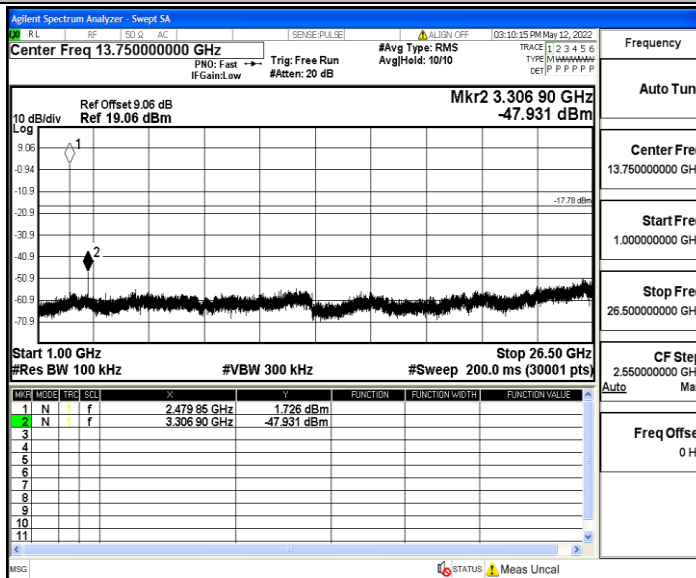
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix H: Emissions in Restricted Bands

Test Result

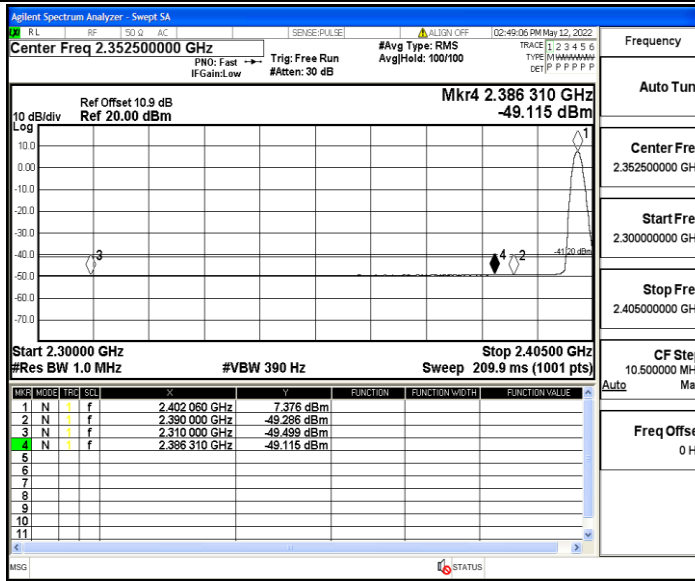
TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.5	≤-41.20	PASS
				AV	2386.310	-49.11	≤-41.20	PASS
				AV	2390.000	-49.29	≤-41.20	PASS
				Peak	2310.000	-42.31	≤-21.20	PASS
				Peak	2347.355	-39.05	≤-21.20	PASS
				Peak	2390.000	-42.68	≤-21.20	PASS
		High	2480	AV	2483.500	-47.75	≤-41.20	PASS
				AV	2483.520	-47.75	≤-41.20	PASS
				AV	2500.000	-48.56	≤-41.20	PASS
				Peak	2483.500	-39.68	≤-21.20	PASS
				Peak	2488.240	-39.28	≤-21.20	PASS
				Peak	2500.000	-41.43	≤-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.62	≤-41.20	PASS
				AV	2388.515	-49.1	≤-41.20	PASS
				AV	2390.000	-49.28	≤-41.20	PASS
				Peak	2310.000	-41.88	≤-21.20	PASS
				Peak	2322.995	-39.38	≤-21.20	PASS
				Peak	2390.000	-43.35	≤-21.20	PASS
		High	2480	AV	2483.500	-47.35	≤-41.20	PASS
				AV	2483.520	-47.35	≤-41.20	PASS
				AV	2500.000	-48.53	≤-41.20	PASS
				Peak	2483.500	-40.96	≤-21.20	PASS
				Peak	2486.400	-39.3	≤-21.20	PASS
				Peak	2500.000	-42.41	≤-21.20	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-49.56	≤-41.20	PASS
				AV	2378.120	-49.09	≤-41.20	PASS
				AV	2390.000	-49.22	≤-41.20	PASS
				Peak	2310.000	-41.65	≤-21.20	PASS
				Peak	2334.965	-39.28	≤-21.20	PASS
				Peak	2390.000	-42.32	≤-21.20	PASS
		High	2480	AV	2483.500	-47.41	≤-41.20	PASS
				AV	2483.520	-47.41	≤-41.20	PASS
				AV	2500.000	-48.55	≤-41.20	PASS
				Peak	2483.500	-41.78	≤-21.20	PASS
				Peak	2495.600	-38.1	≤-21.20	PASS
				Peak	2500.000	-39.78	≤-21.20	PASS

Note:

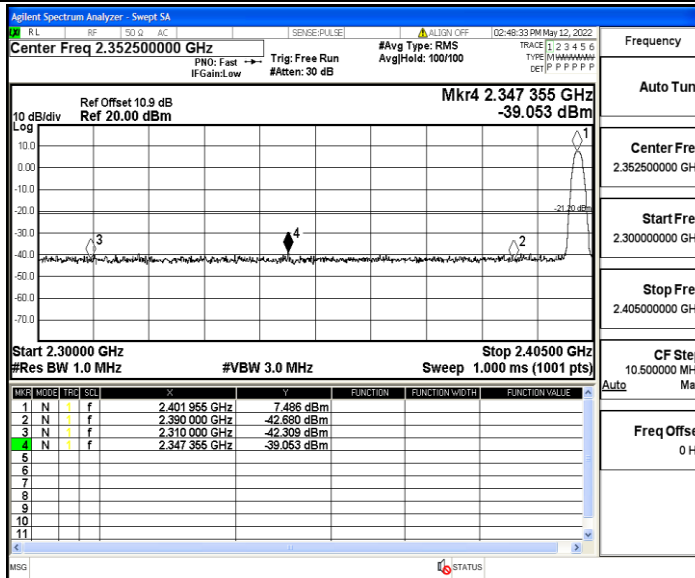
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

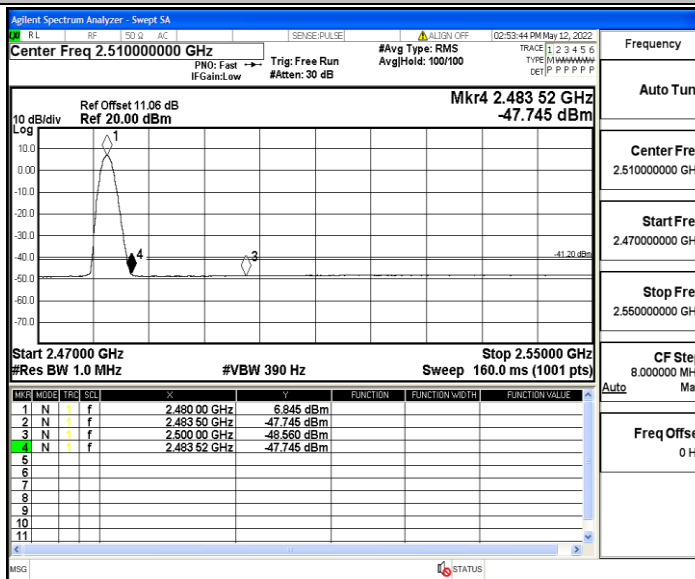
DH5_Ant1_Low_2402_AV



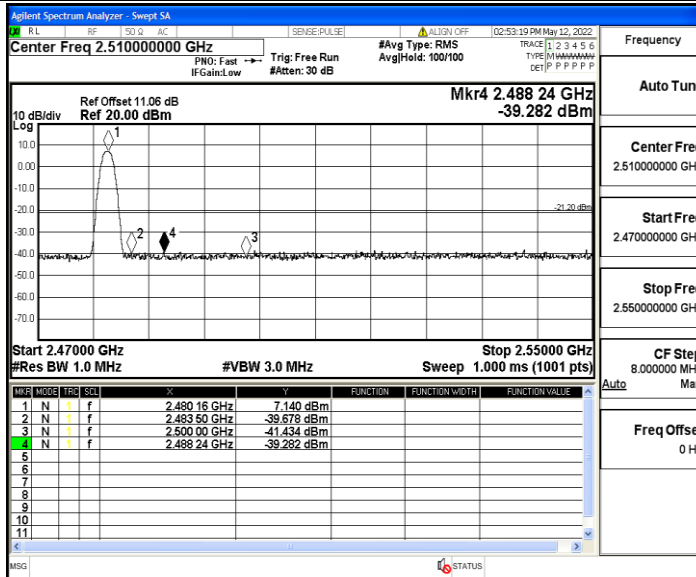
DH5_Ant1_Low_2402_Peak



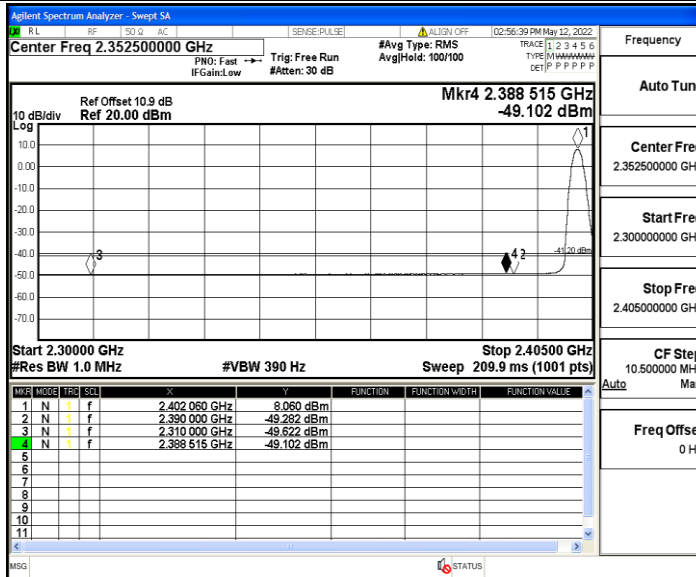
DH5_Ant1_High_2480_AV



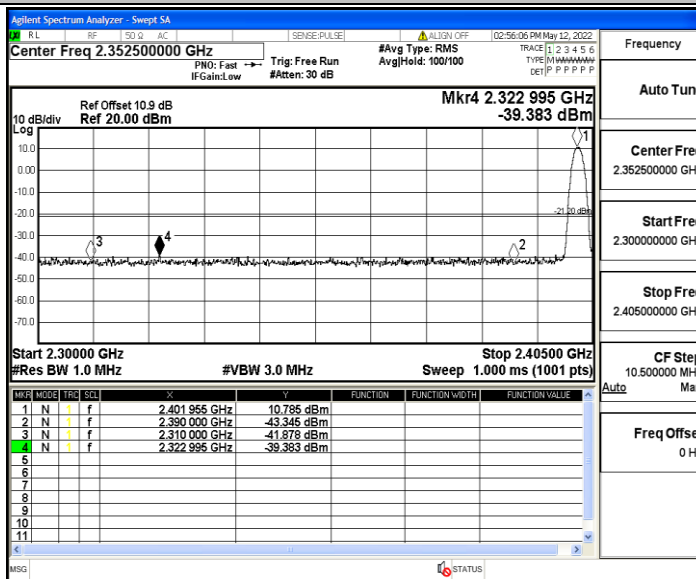
DH5_Ant1_High_2480_Peak



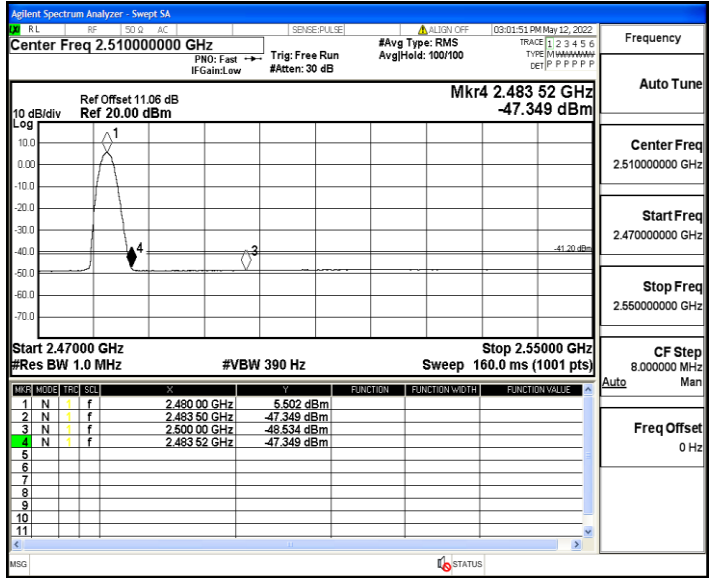
2DH5_Ant1_Low_2402_AV



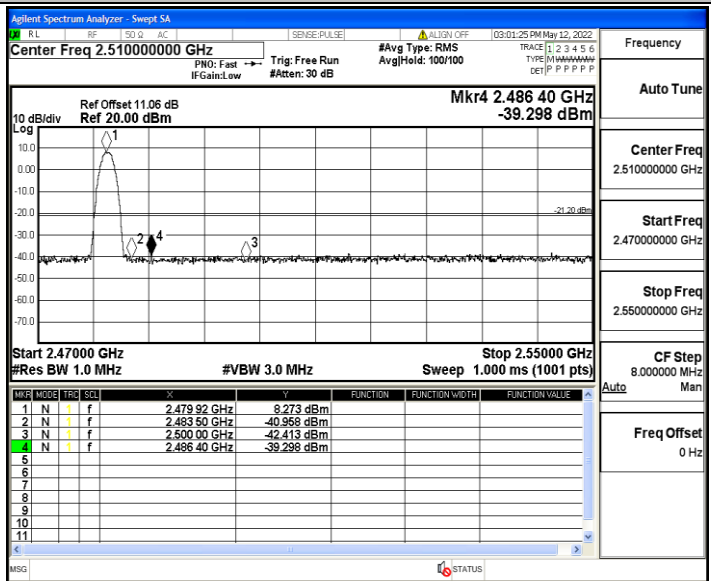
2DH5_Ant1_Low_2402_Peak



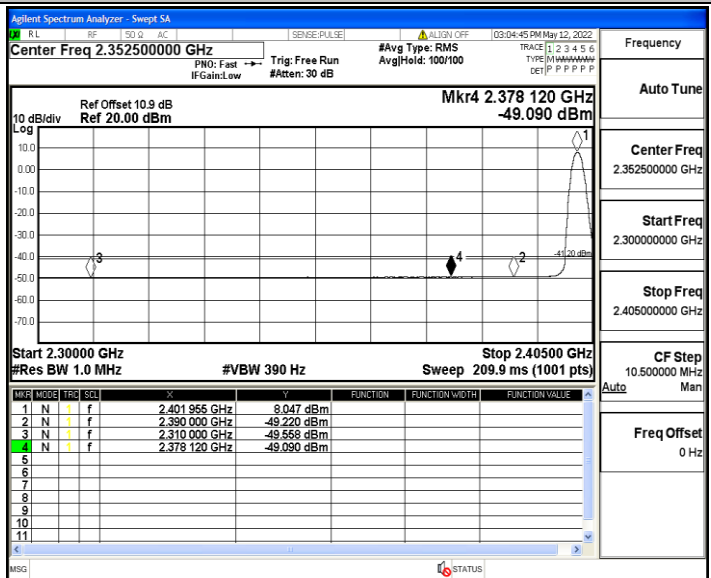
2DH5_Ant1_High_2480_AV



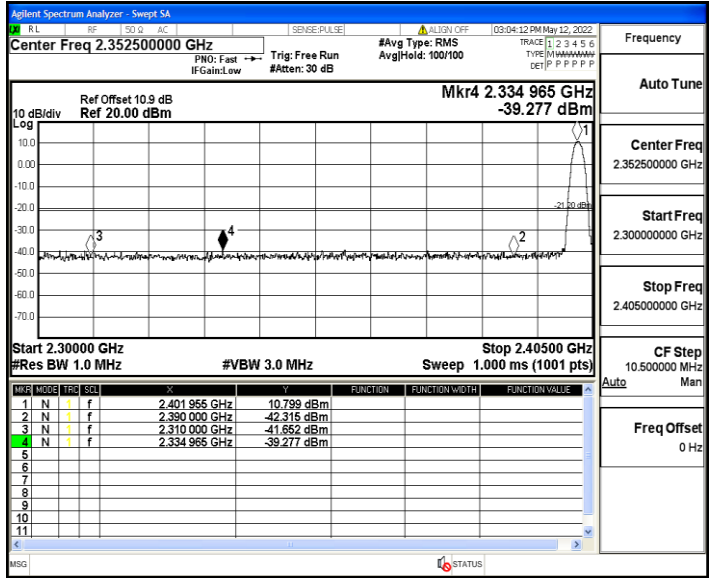
2DH5_Ant1_High_2480_Peak



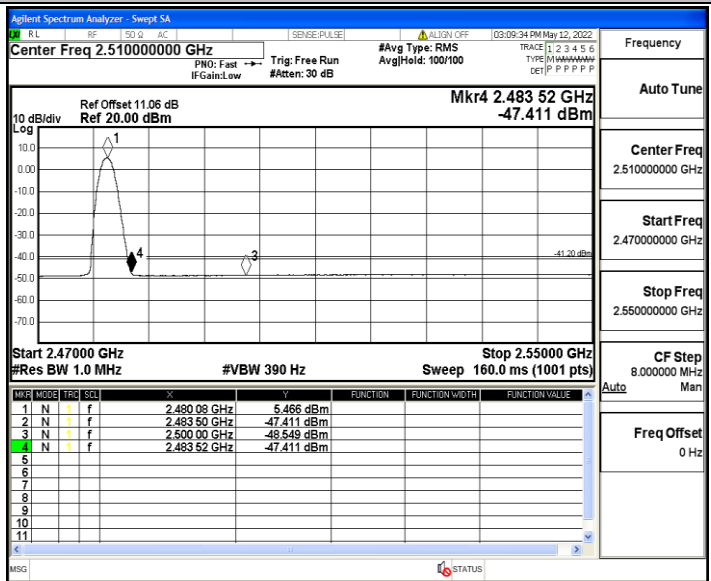
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

