



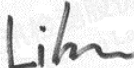
Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Bone Conduction Headphone

Test Model: Klatre LS1

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Joker Hu
Supervised by:	 Li Huan





A.1 20dB Emission Bandwidth

Test Result

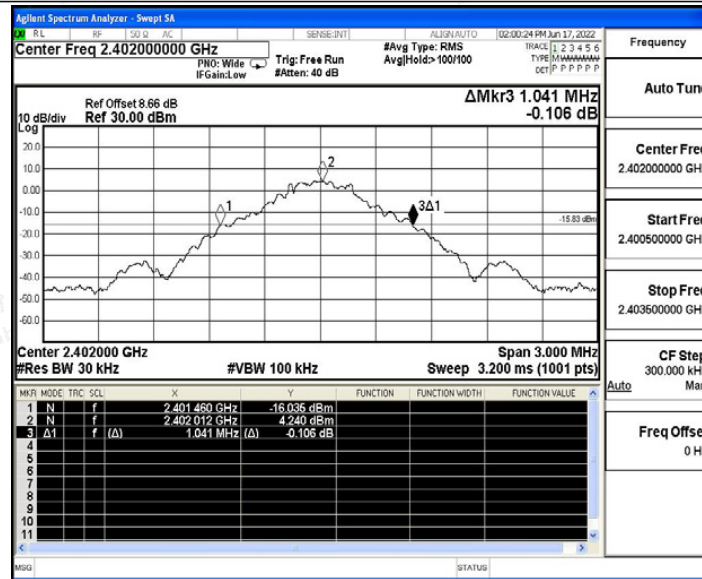
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	1.041	2401.460	2402.501	---
		2441	1.038	2440.463	2441.501	---
		2480	1.038	2479.463	2480.501	---
2DH5	Ant1	2402	1.326	2401.334	2402.660	---
		2441	1.296	2440.358	2441.654	---
		2480	1.293	2479.358	2480.651	---
3DH5	Ant1	2402	1.317	2401.343	2402.660	---
		2441	1.314	2440.343	2441.657	---
		2480	1.314	2479.343	2480.657	---



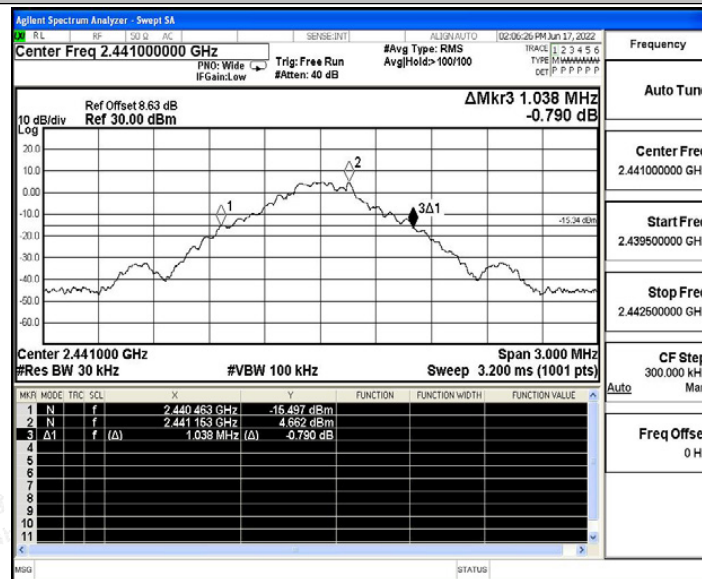


Test Graphs

DH5_Ant1_2402

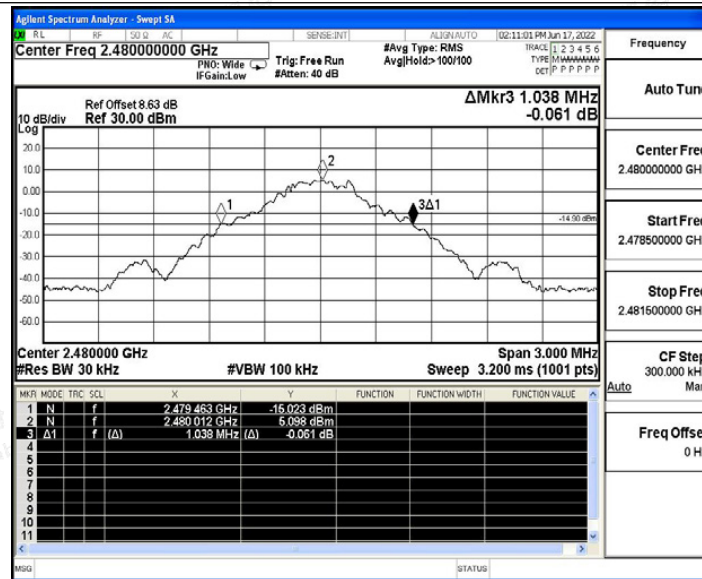


DH5_Ant1_2441

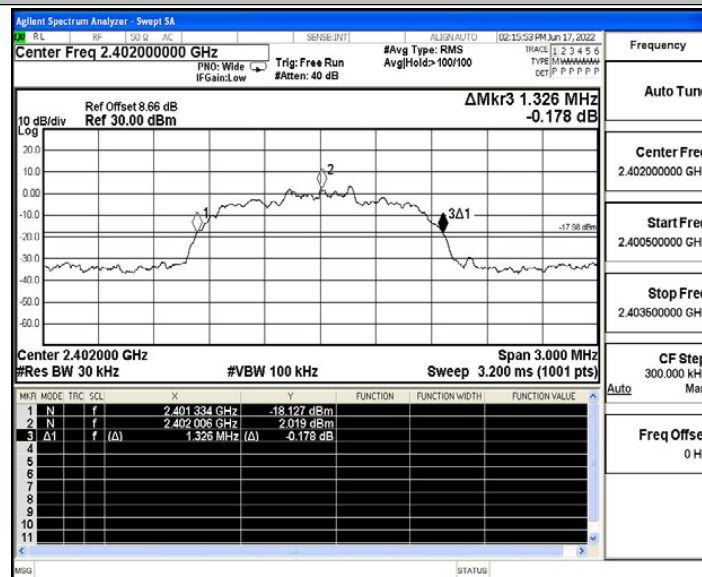


DH5_Ant1_2480





2DH5_Ant1_2402



2DH5_Ant1_2441

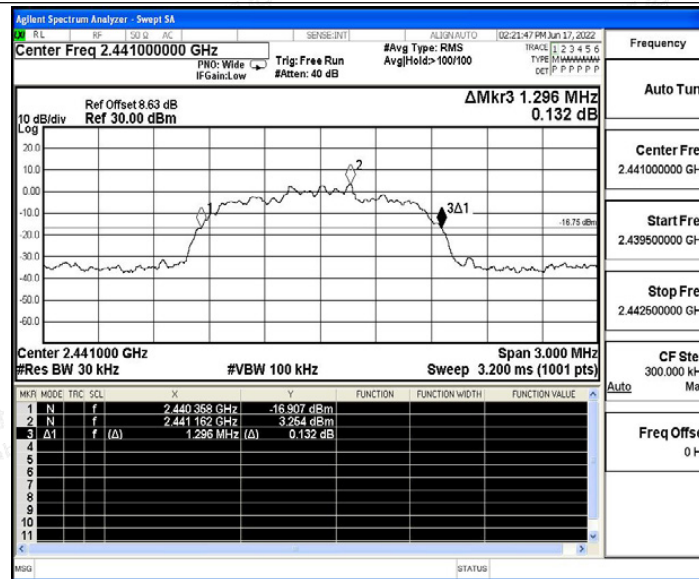


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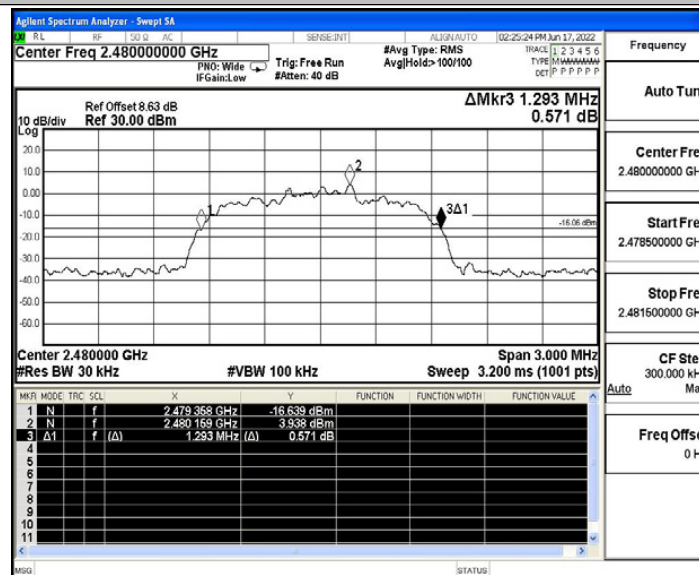
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2DH5_Ant1_2480



3DH5_Ant1_2402

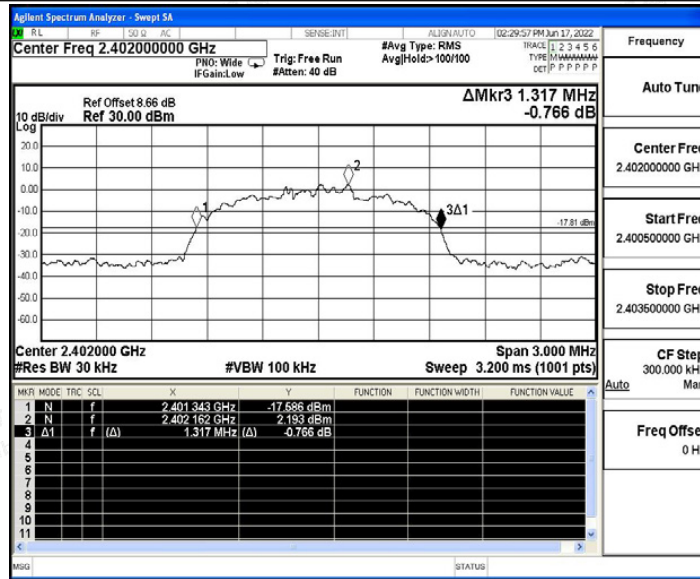


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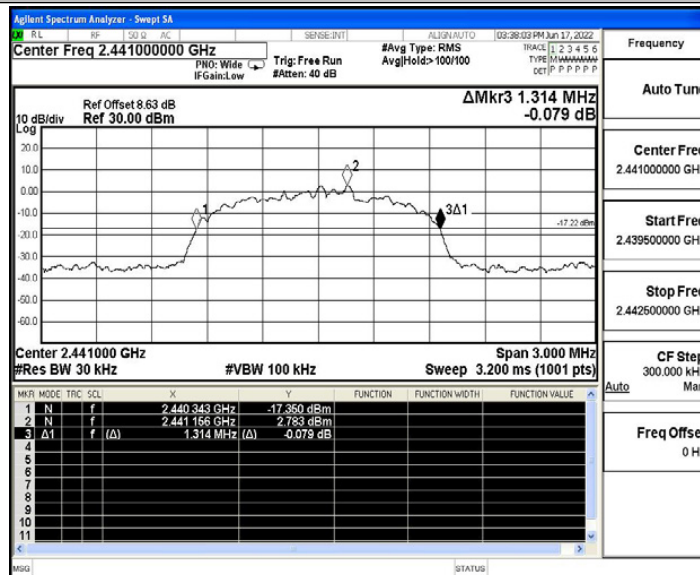
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3DH5_Ant1_2441



3DH5_Ant1_2480

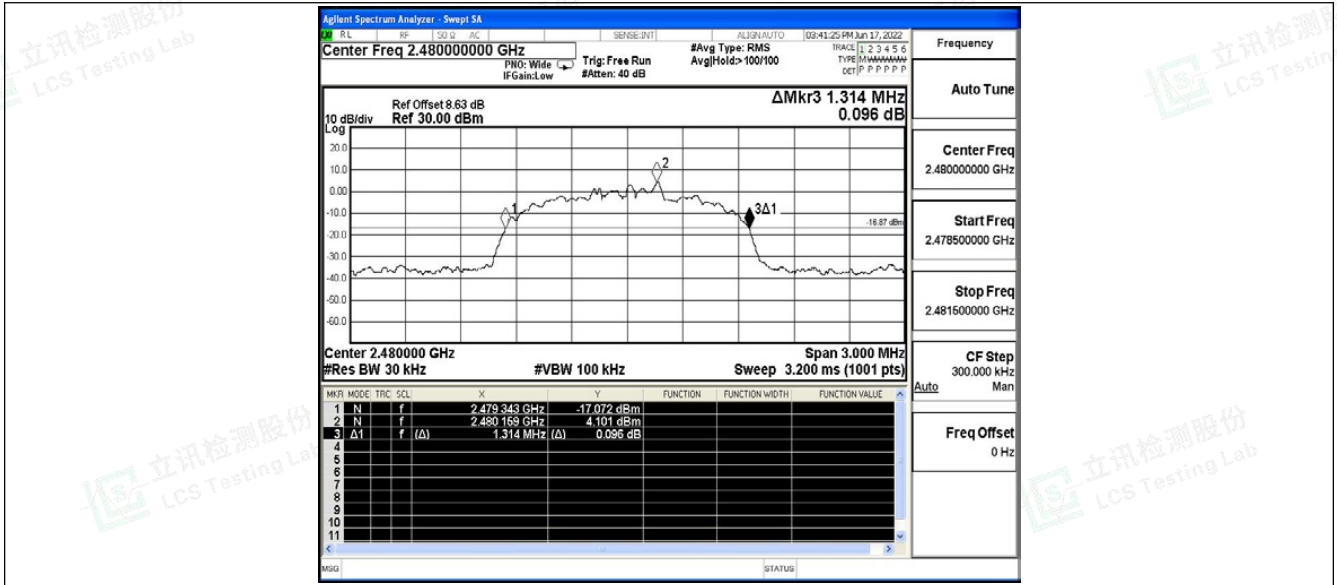


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A.2 Maximum peak conducted output power

Test Result

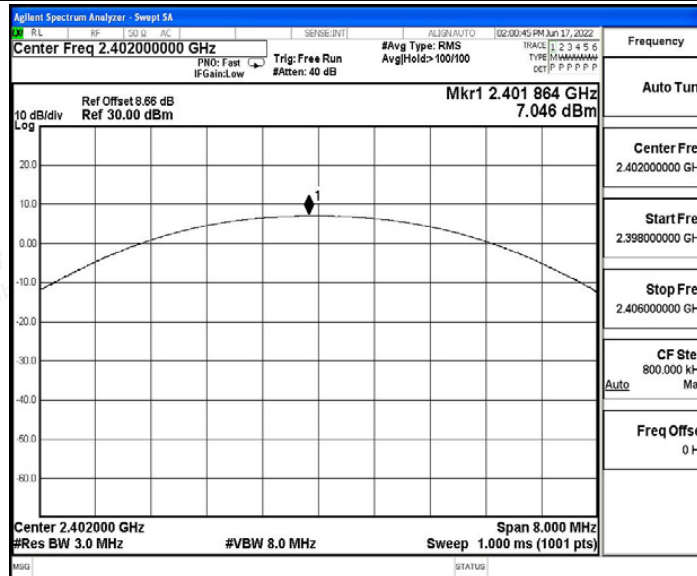
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	7.05	≤20.97	PASS
		2441	7.38	≤20.97	PASS
		2480	7.8	≤20.97	PASS
2DH5	Ant1	2402	6.82	≤20.97	PASS
		2441	7.28	≤20.97	PASS
		2480	7.62	≤20.97	PASS
3DH5	Ant1	2402	6.95	≤20.97	PASS
		2441	7.28	≤20.97	PASS
		2480	7.67	≤20.97	PASS



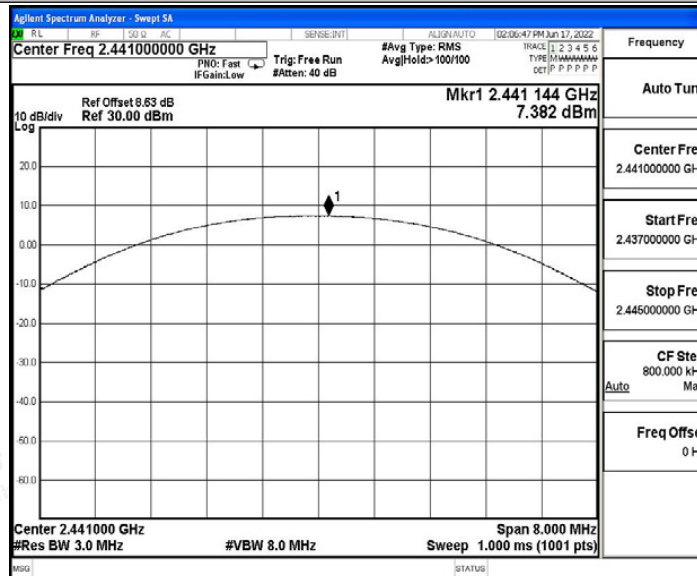


Test Graphs

DH5_Ant1_2402

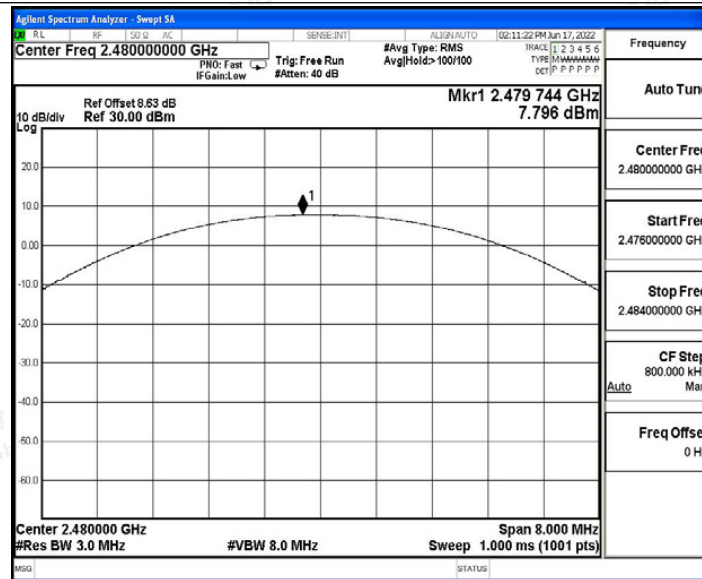


DH5_Ant1_2441

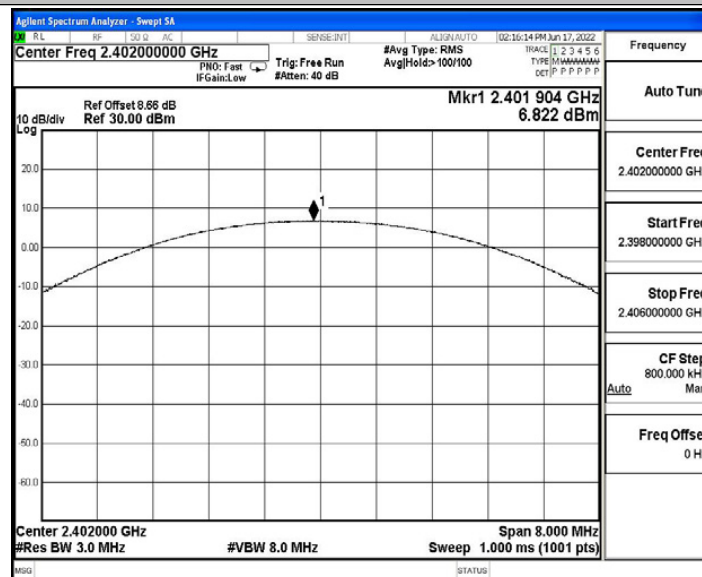


DH5_Ant1_2480



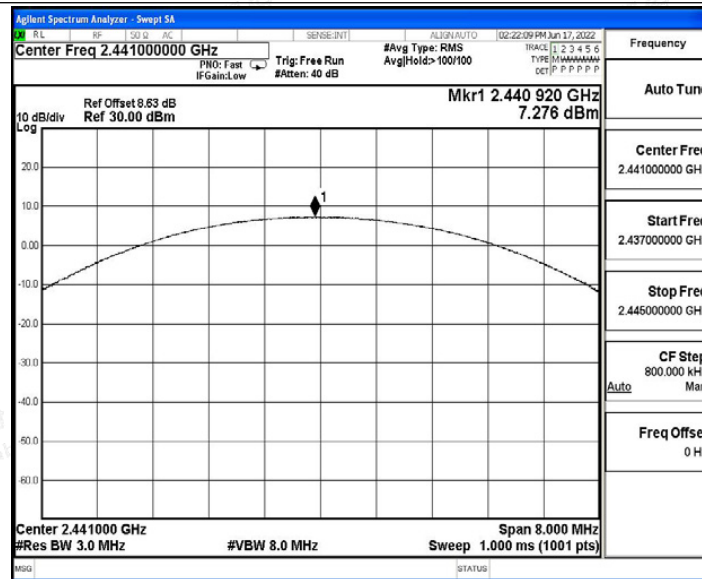


2DH5_Ant1_2402

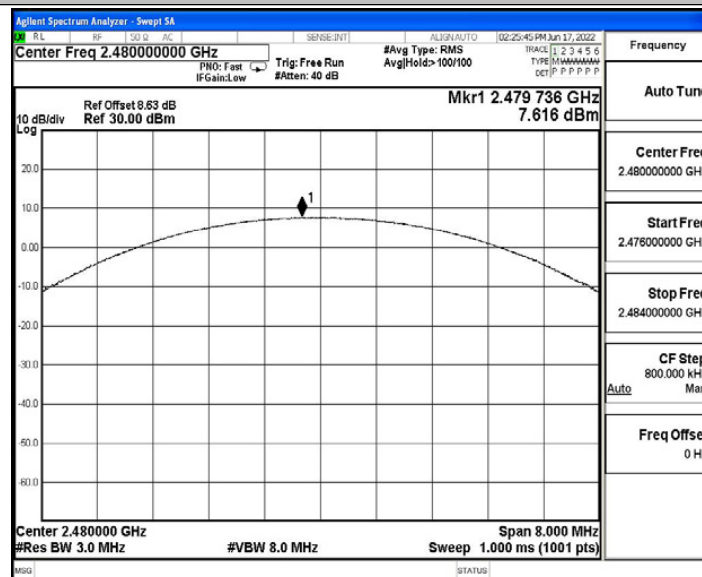


2DH5_Ant1_2441



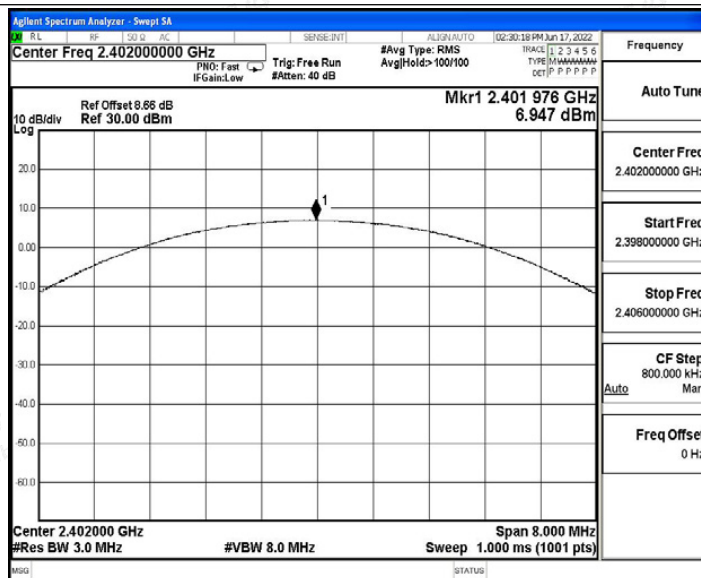


2DH5_Ant1_2480

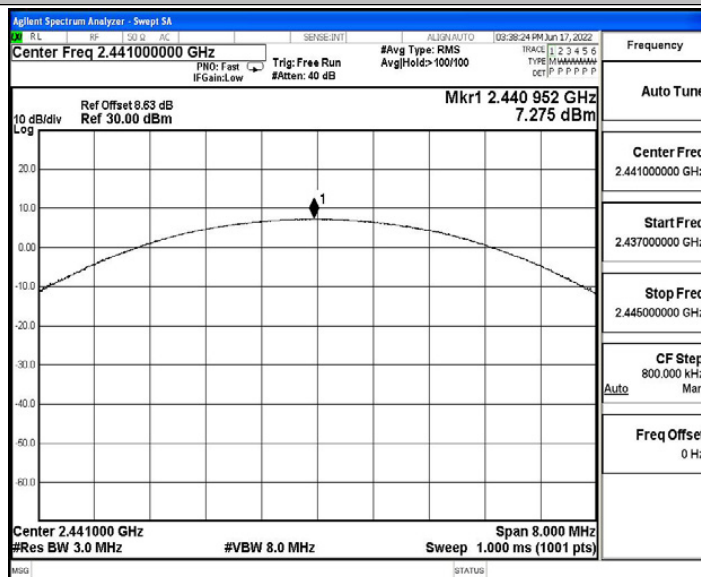


3DH5_Ant1_2402





3DH5_Ant1_2441



3DH5_Ant1_2480

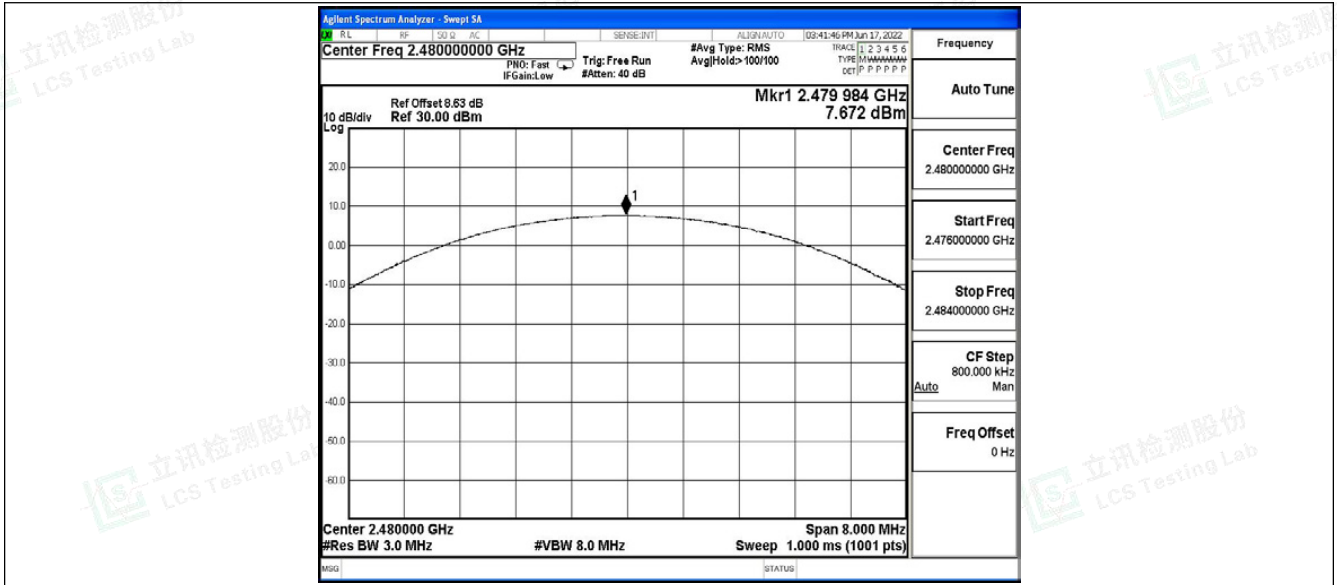


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A.3 Carrier frequency separation

Test Result

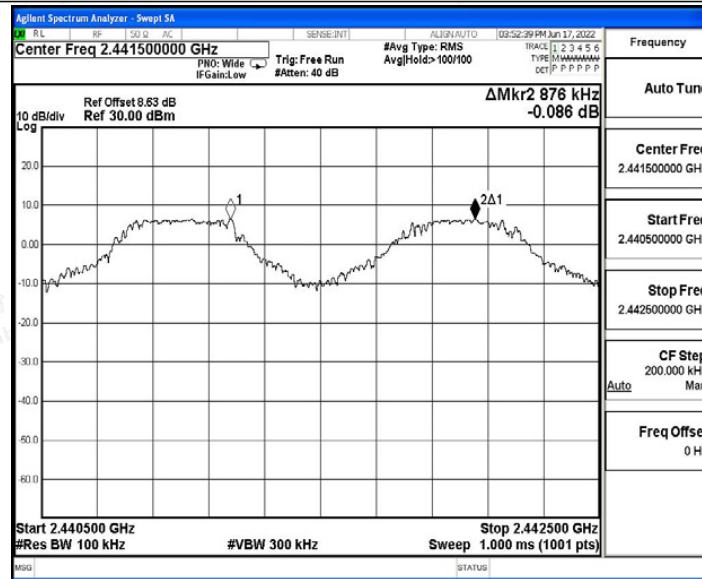
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.876	≥0.694	PASS
2DH5	Ant1	Hop	1.044	≥0.884	PASS
3DH5	Ant1	Hop	1.016	≥0.878	PASS



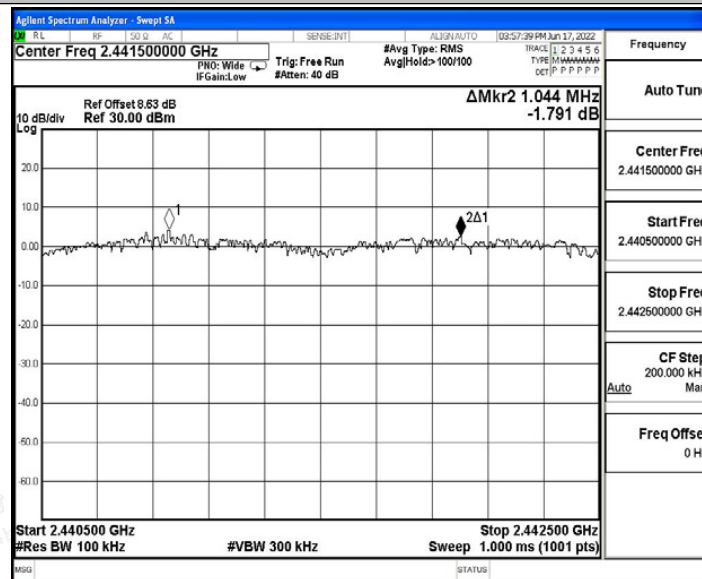


Test Graphs

DH5_Ant1_Hop

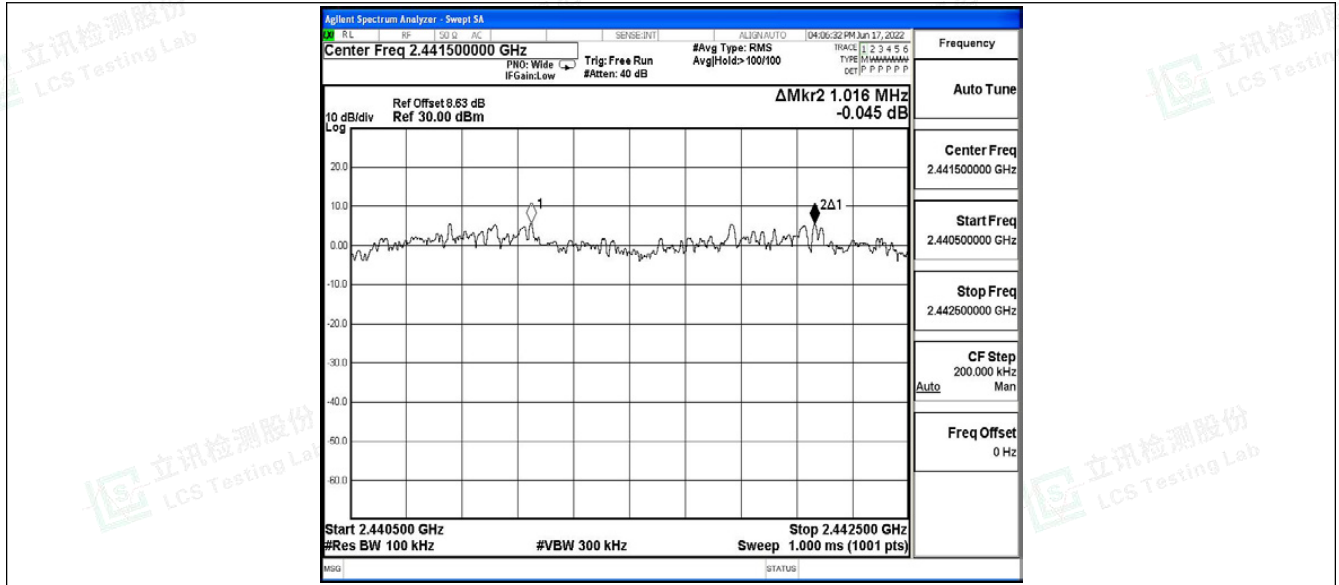


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.4 Time of occupancy

Test Result

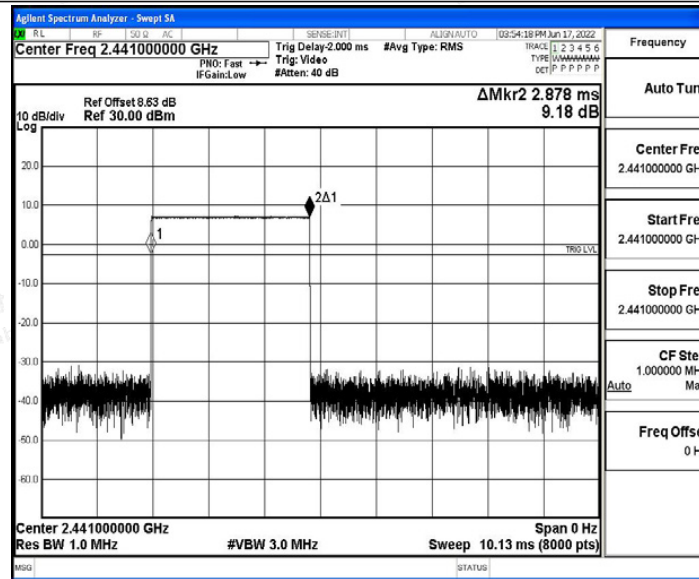
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.88	106.67	0.308	≤0.4	PASS



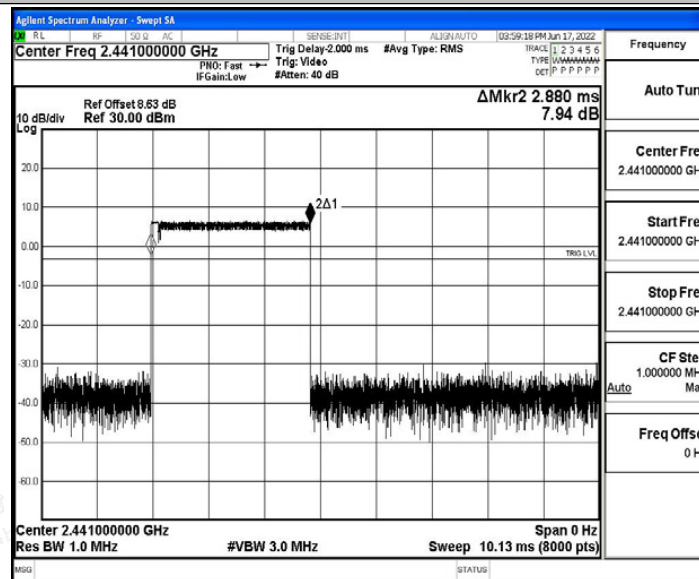


Test Graphs

DH5_Ant1_Hop

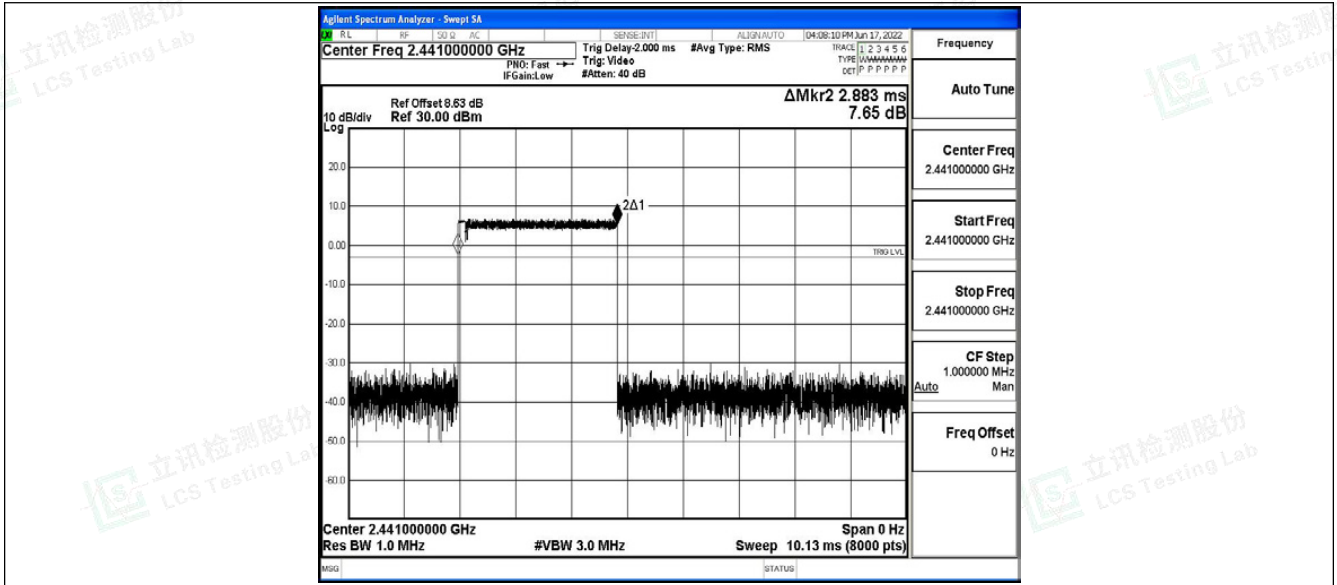


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.5 Number of hopping channels

Test Result

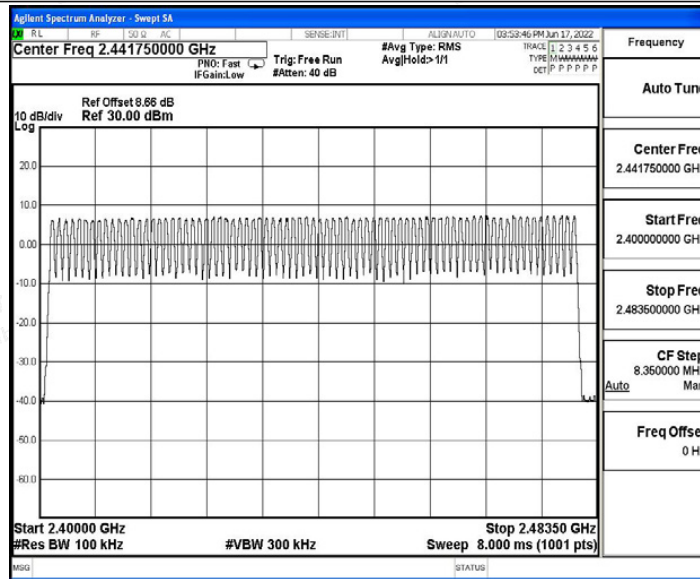
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



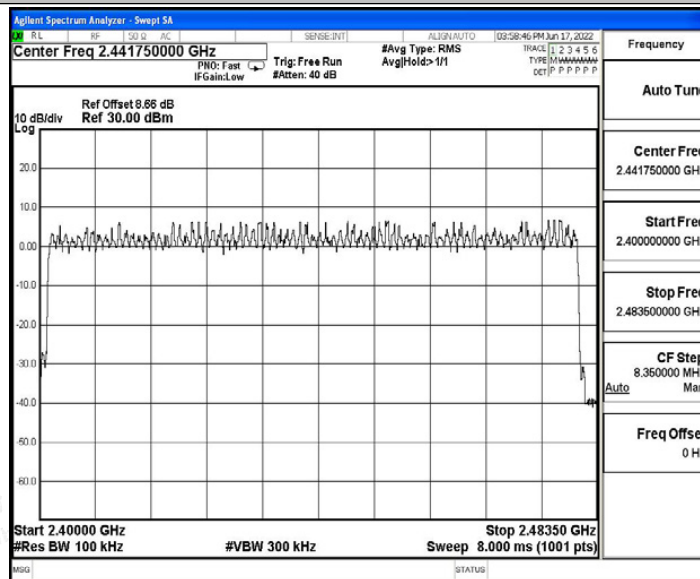


Test Graphs

DH5_Ant1_Hop

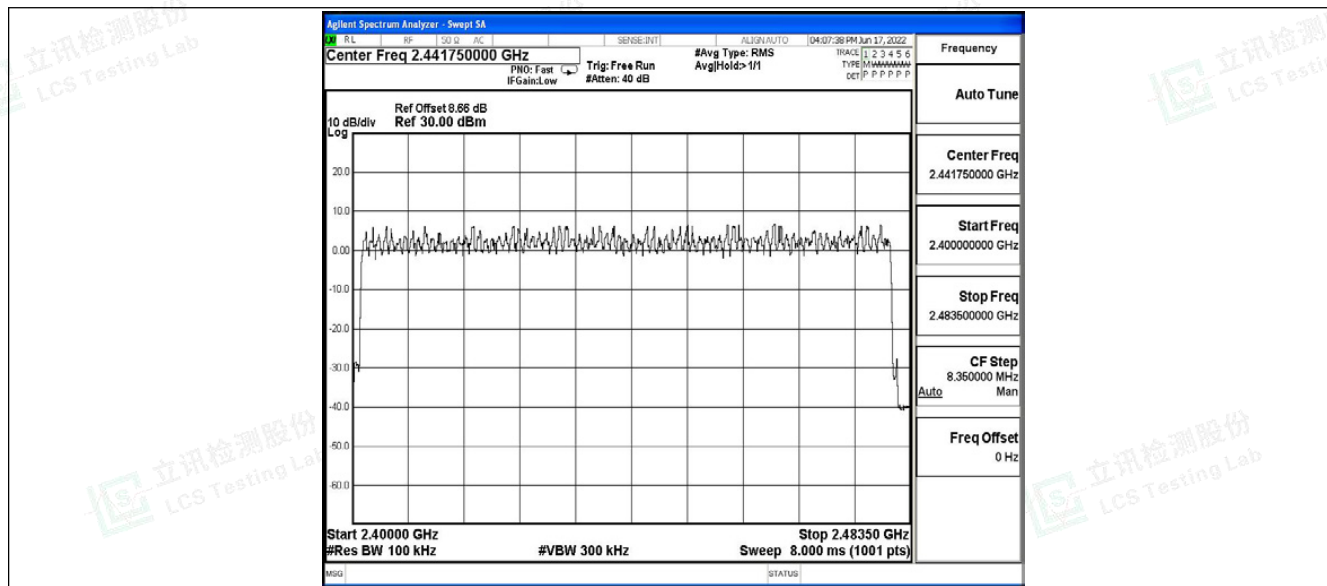


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.6 Band edge measurements

Test Result

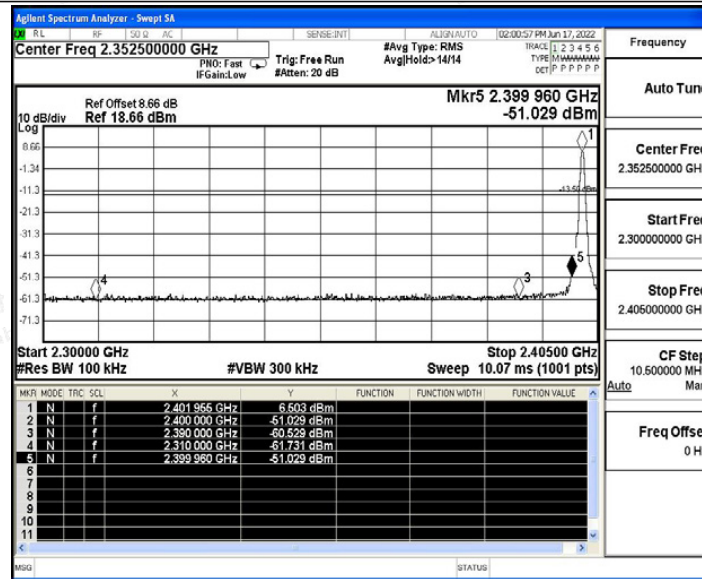
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	6.50	-51.03	≤ -13.5	PASS
		High	2480	7.41	-56.2	≤ -12.59	PASS
		Low	Hop_2402	5.64	-58.83	≤ -14.36	PASS
		High	Hop_2480	7.37	-57.98	≤ -12.63	PASS
2DH5	Ant1	Low	2402	5.16	-49.66	≤ -14.84	PASS
		High	2480	6.71	-56.77	≤ -13.29	PASS
		Low	Hop_2402	3.58	-58.58	≤ -16.42	PASS
		High	Hop_2480	6.56	-57.79	≤ -13.44	PASS
3DH5	Ant1	Low	2402	3.52	-49.62	≤ -16.48	PASS
		High	2480	6.68	-54.89	≤ -13.32	PASS
		Low	Hop_2402	3.37	-58.31	≤ -16.63	PASS
		High	Hop_2480	3.67	-57.43	≤ -16.33	PASS



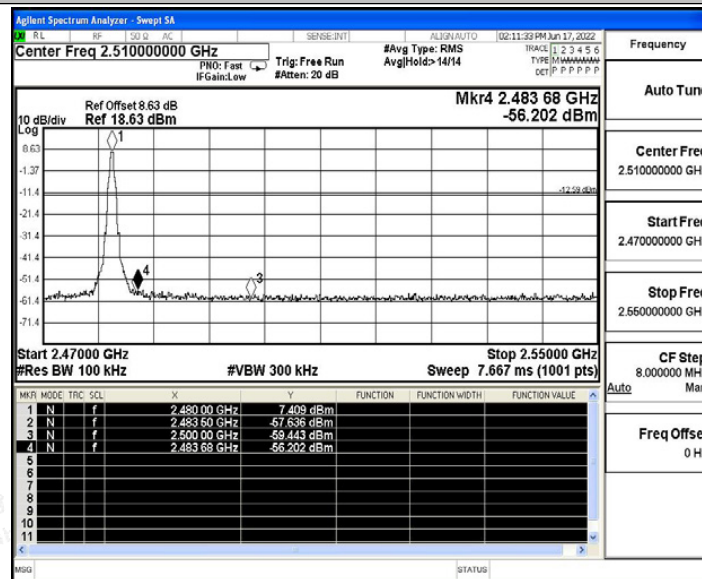


Test Graphs

DH5_Ant1_Low_2402

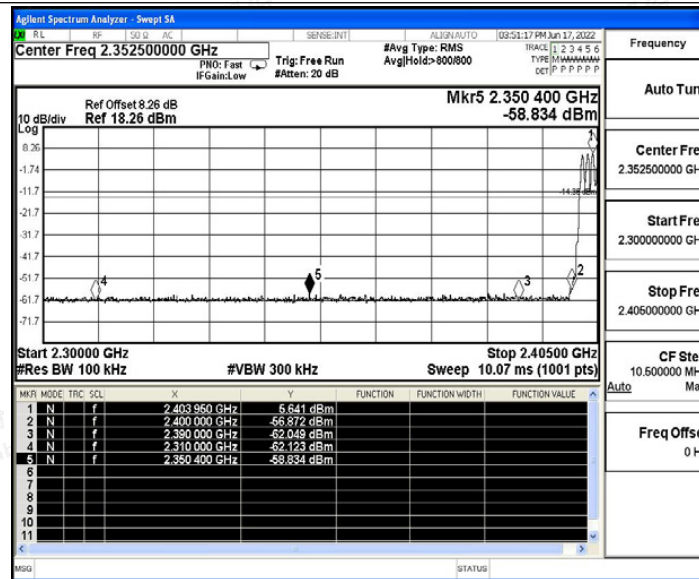


DH5_Ant1_High_2480

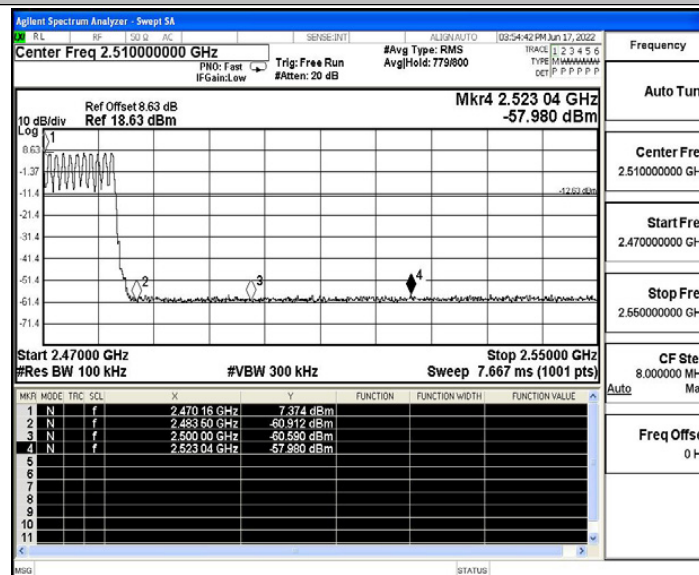


DH5_Ant1_Low_Hop_2402





DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

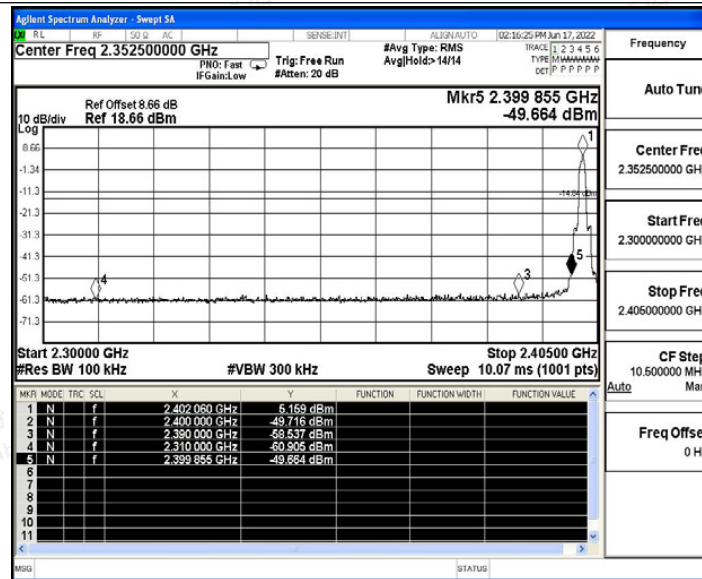


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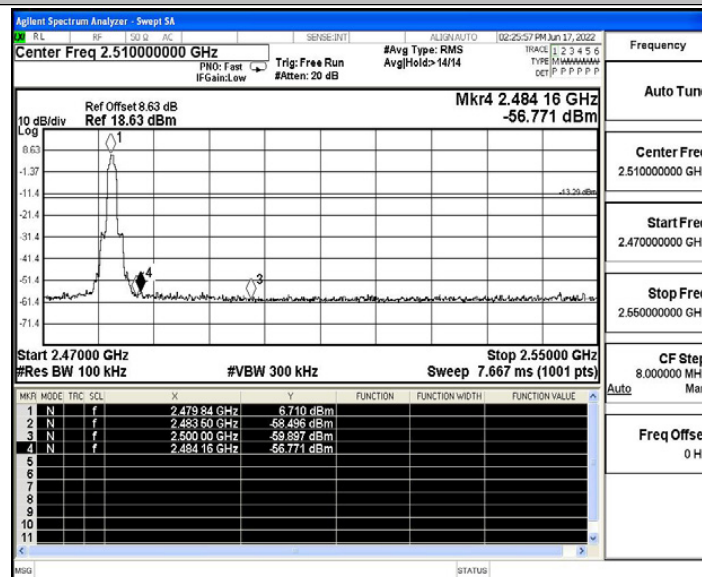
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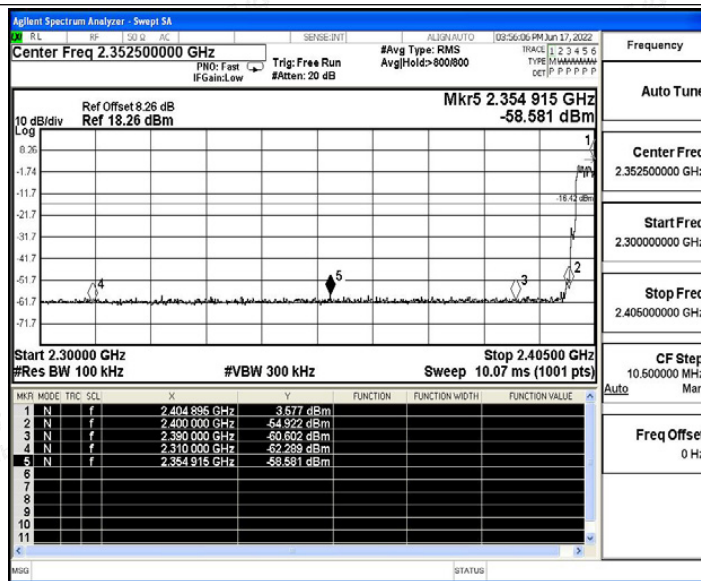


2DH5_Ant1_High_2480

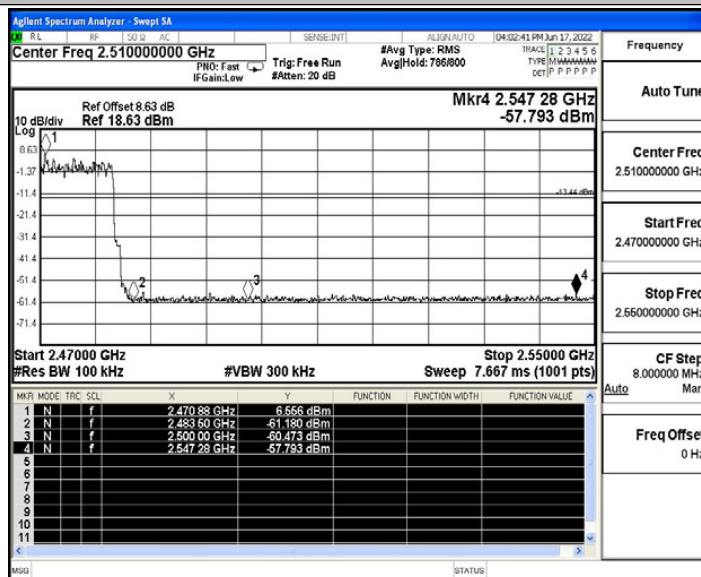


2DH5_Ant1_Low_Hop_2402





2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

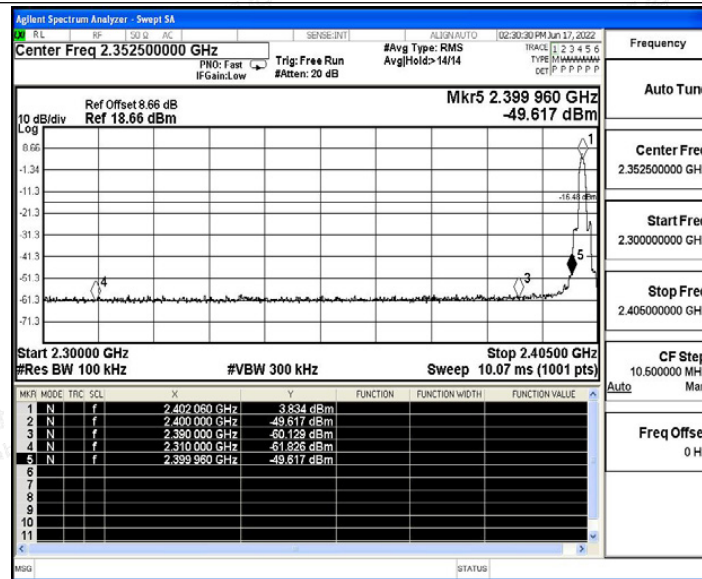


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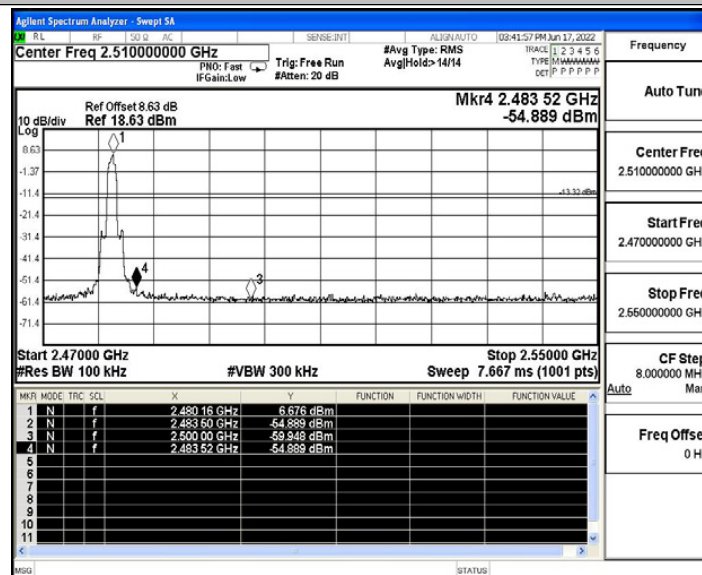
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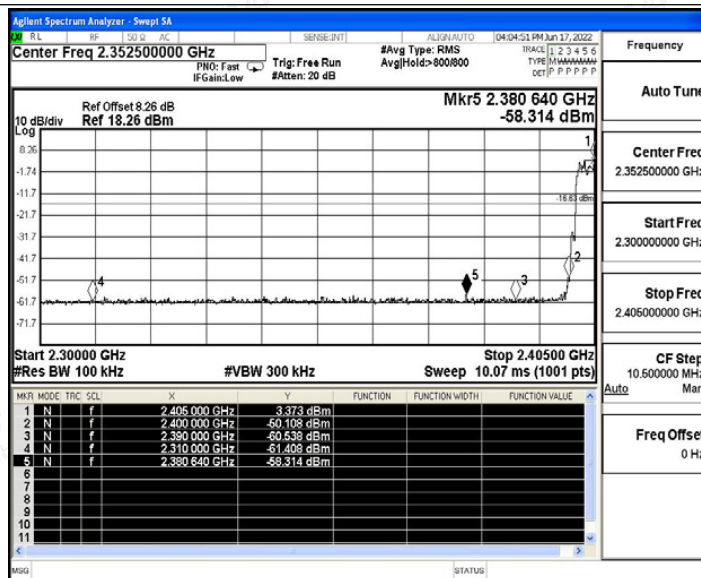


3DH5_Ant1_High_2480

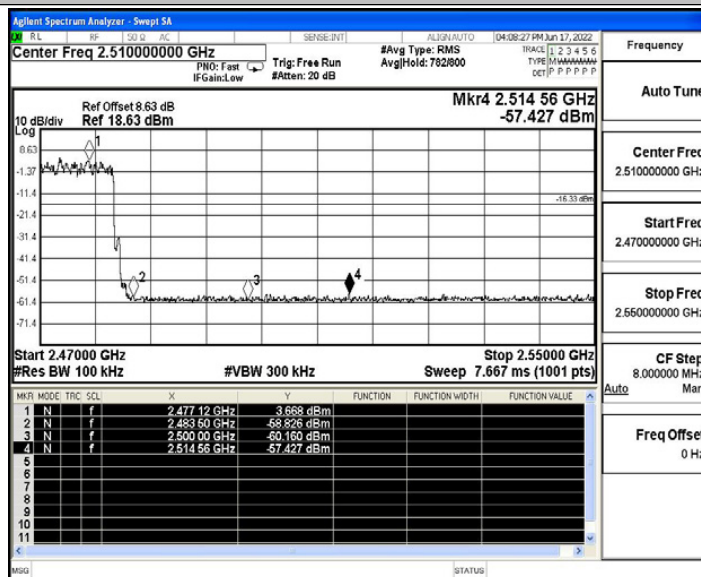


3DH5_Ant1_Low_Hop_2402





3DH5_Ant1_High_Hop_2480



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A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	6.66	6.66	---	PASS
			30~1000	6.66	-59.94	≤-13.34	PASS
			1000~26500	6.66	-46.32	≤-13.34	PASS
		2441	Reference	7.02	7.02	---	PASS
			30~1000	7.02	-60.21	≤-12.98	PASS
			1000~26500	7.02	-45.18	≤-12.98	PASS
		2480	Reference	7.46	7.46	---	PASS
			30~1000	7.46	-60.5	≤-12.54	PASS
			1000~26500	7.46	-46.18	≤-12.54	PASS
2DH5	Ant1	2402	Reference	5.85	5.85	---	PASS
			30~1000	5.85	-59.73	≤-14.15	PASS
			1000~26500	5.85	-45.74	≤-14.15	PASS
		2441	Reference	6.25	6.25	---	PASS
			30~1000	6.25	-59.55	≤-13.75	PASS
			1000~26500	6.25	-45.87	≤-13.75	PASS
		2480	Reference	6.68	6.68	---	PASS
			30~1000	6.68	-59.92	≤-13.32	PASS
			1000~26500	6.68	-45.75	≤-13.32	PASS
3DH5	Ant1	2402	Reference	6.05	6.05	---	PASS
			30~1000	6.05	-59.85	≤-13.95	PASS
			1000~26500	6.05	-44.68	≤-13.95	PASS
		2441	Reference	5.87	5.87	---	PASS
			30~1000	5.87	-59.51	≤-14.13	PASS
			1000~26500	5.87	-46.13	≤-14.13	PASS
		2480	Reference	6.66	6.66	---	PASS
			30~1000	6.66	-61.23	≤-13.34	PASS
			1000~26500	6.66	-46.02	≤-13.34	PASS



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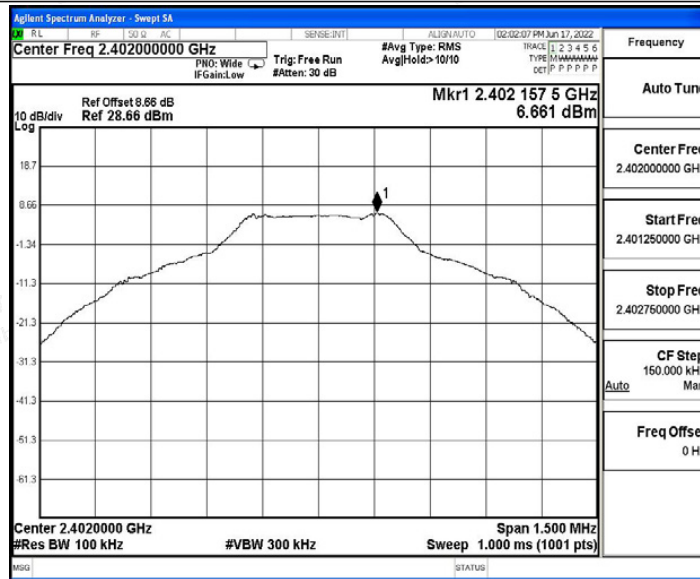
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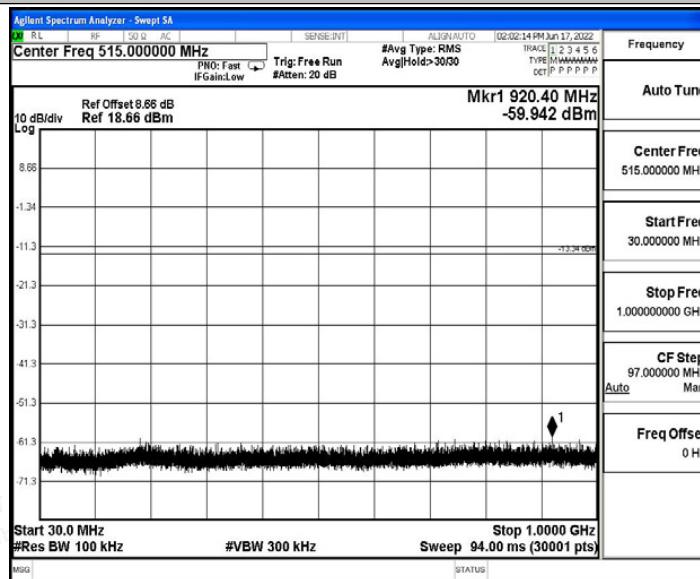


Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500

