



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: wireless headset

Test Model: BW06-BT

Environmental Conditions

Temperature:	23.8 °C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>Joker.Hu</i> Joker Hu
Supervised by:	<i>Jack cheng</i> Jack Cheng



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A.1 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	1.020	2401.457	2402.477	---
		2441	0.963	2440.508	2441.471	---
		2480	1.023	2479.457	2480.480	---
2DH5	Ant1	2402	1.290	2401.349	2402.639	---
		2441	1.287	2440.355	2441.642	---
		2480	1.296	2479.346	2480.642	---
3DH5	Ant1	2402	1.308	2401.334	2402.642	---
		2441	1.314	2440.331	2441.645	---
		2480	1.314	2479.331	2480.645	---



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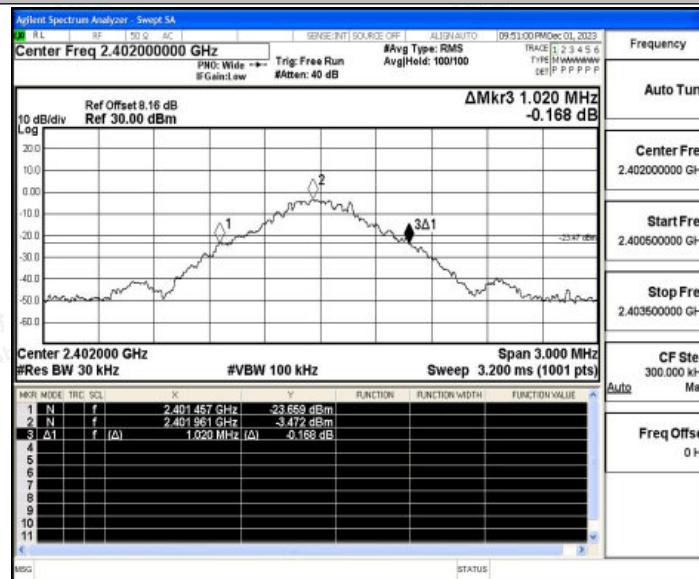
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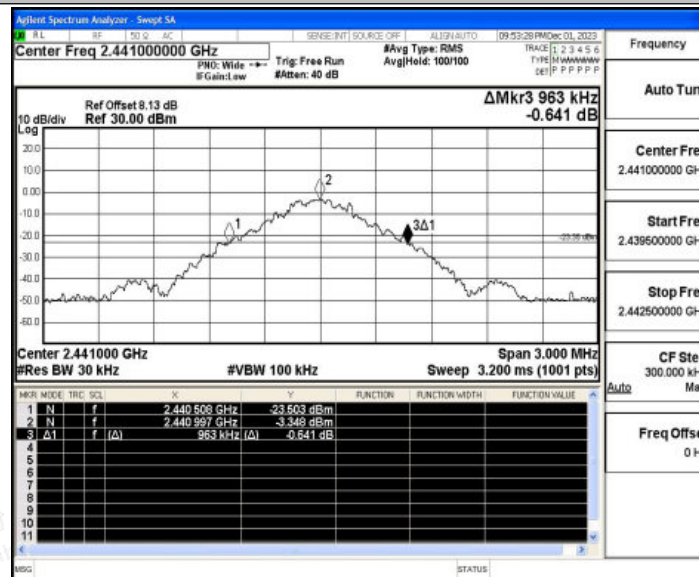


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

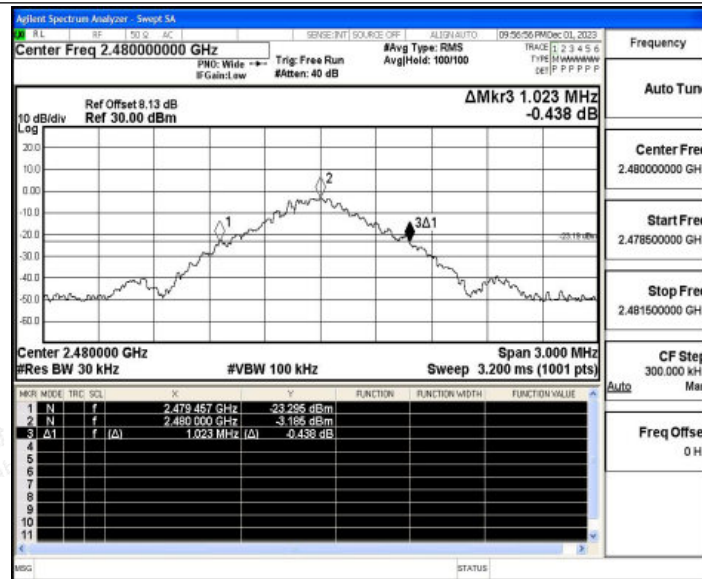


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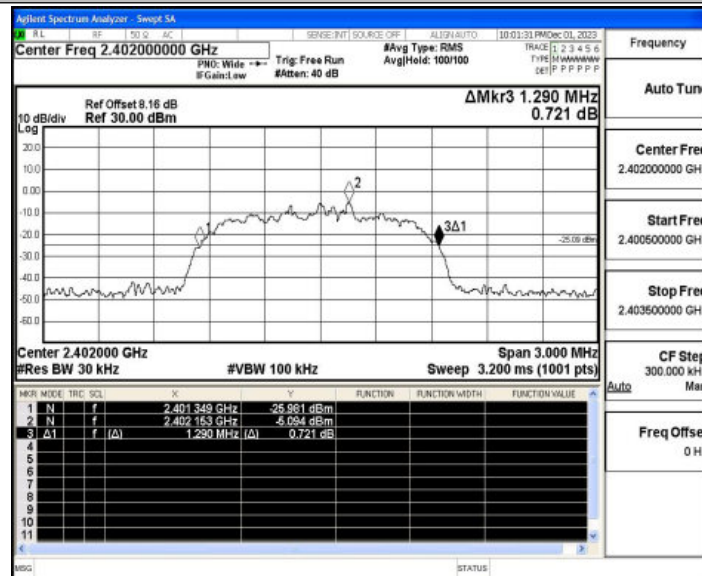
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2DH5_Ant1_2402



2DH5_Ant1_2441

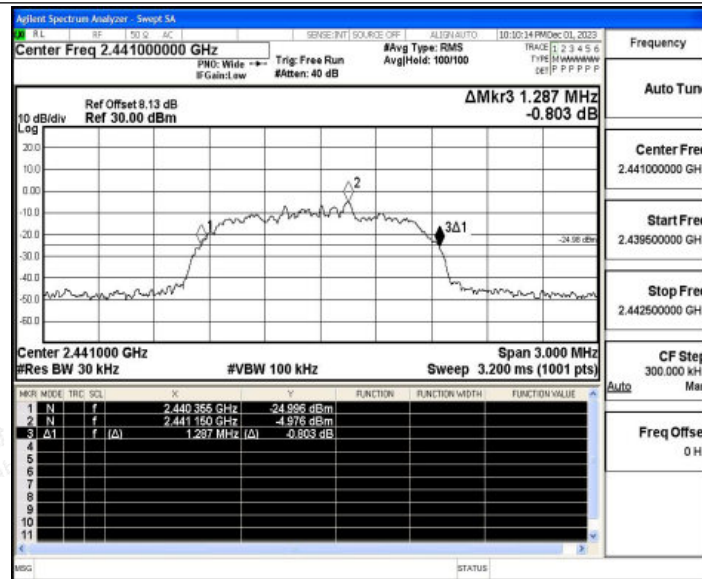


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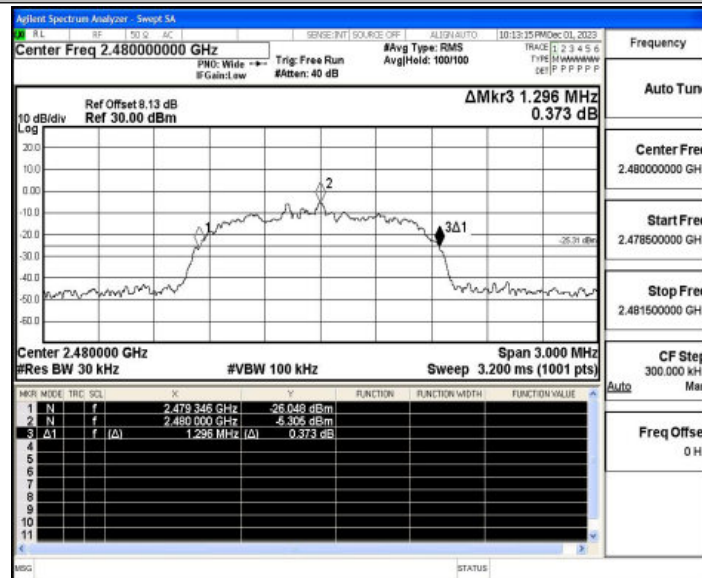
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2DH5_Ant1_2480



3DH5_Ant1_2402

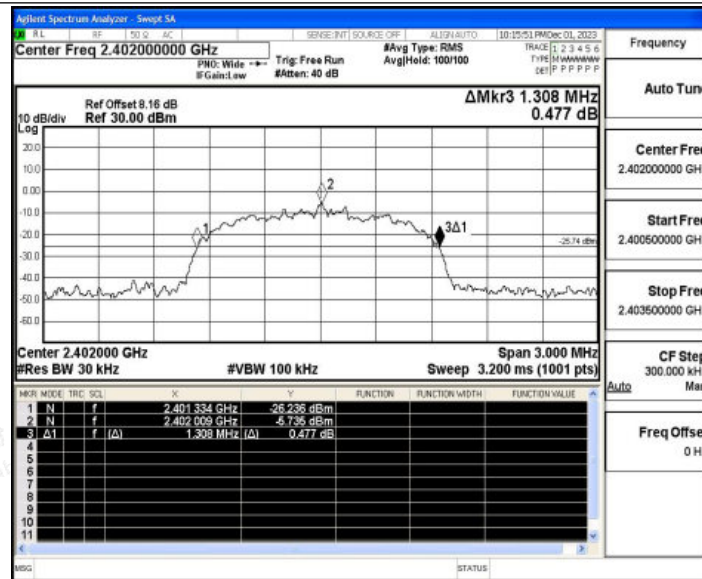


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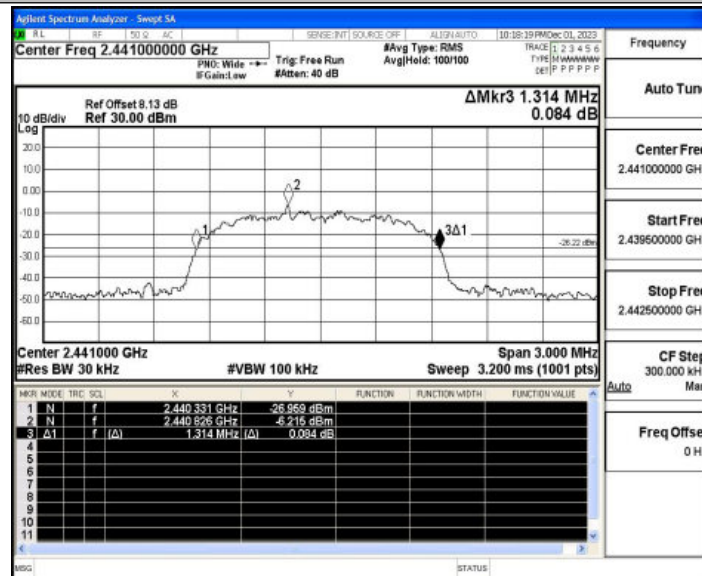
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3DH5_Ant1_2441



3DH5_Ant1_2480

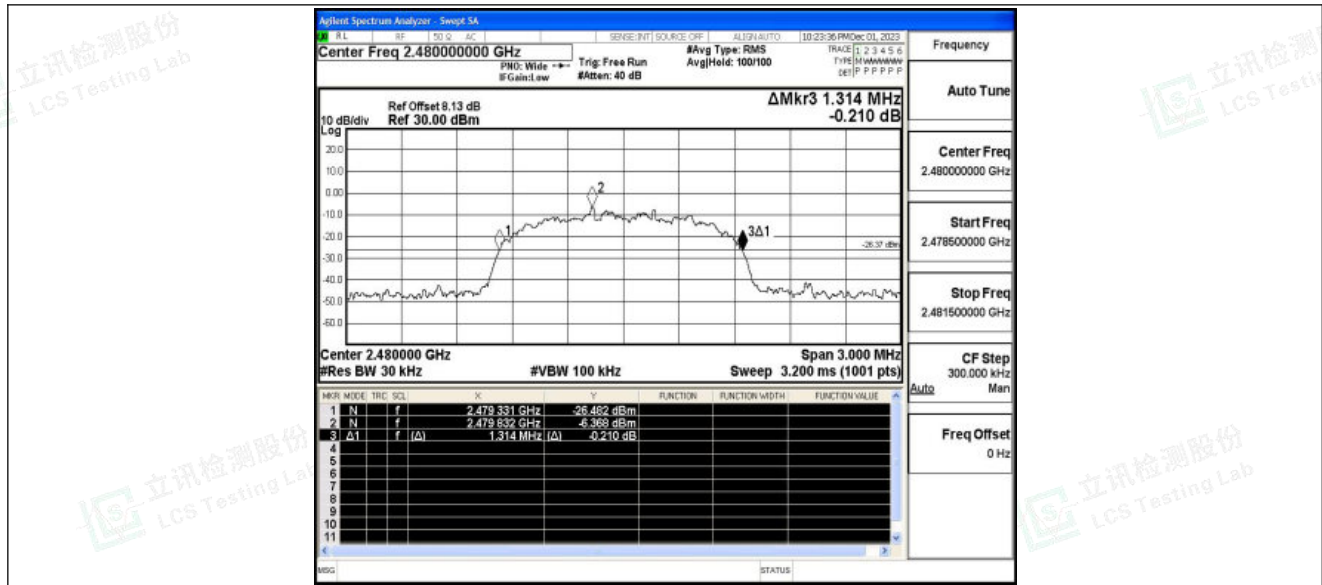


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A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.31	≤20.97	PASS
		2441	-0.22	≤20.97	PASS
		2480	-0.21	≤20.97	PASS
2DH5	Ant1	2402	-0.81	≤20.97	PASS
		2441	-0.46	≤20.97	PASS
		2480	-0.54	≤20.97	PASS
3DH5	Ant1	2402	-0.5	≤20.97	PASS
		2441	-0.35	≤20.97	PASS
		2480	-0.42	≤20.97	PASS



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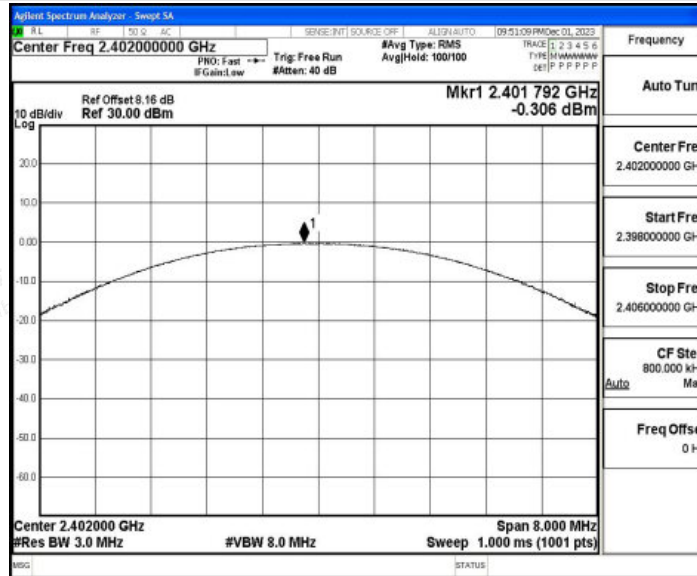
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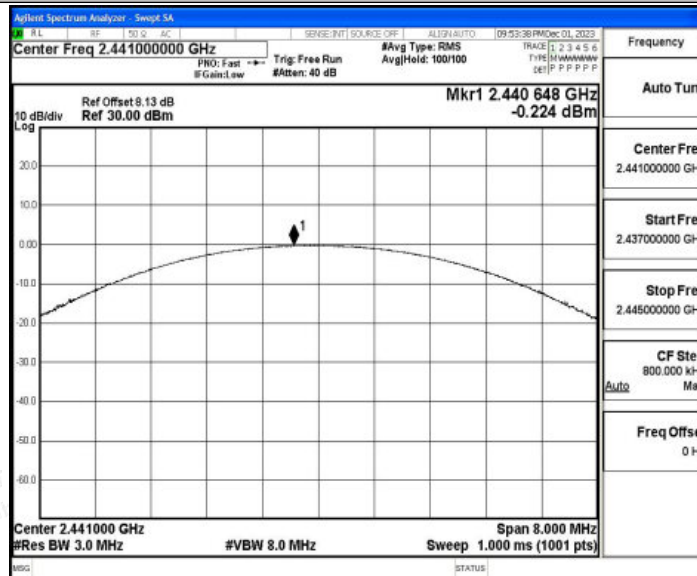


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

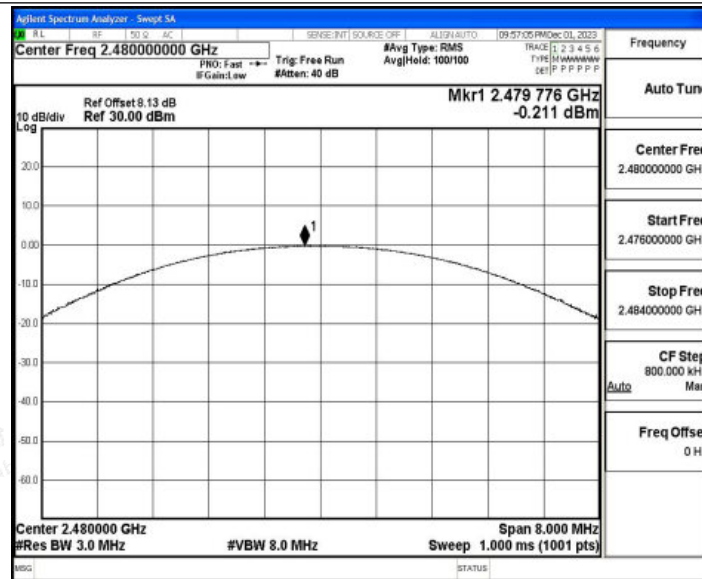


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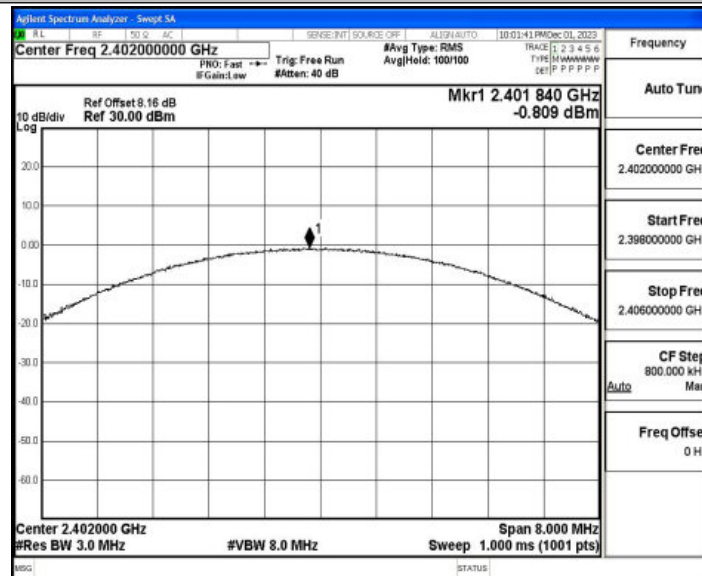
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2DH5_Ant1_2402



2DH5_Ant1_2441

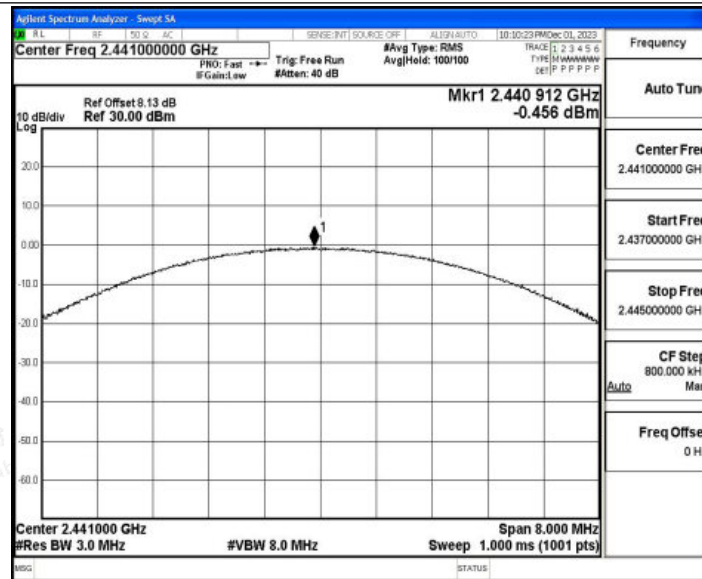


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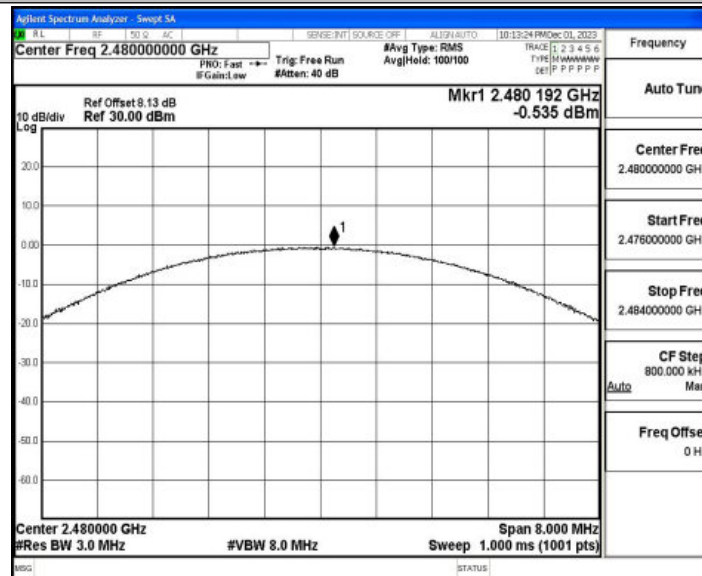
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2DH5_Ant1_2480



3DH5_Ant1_2402

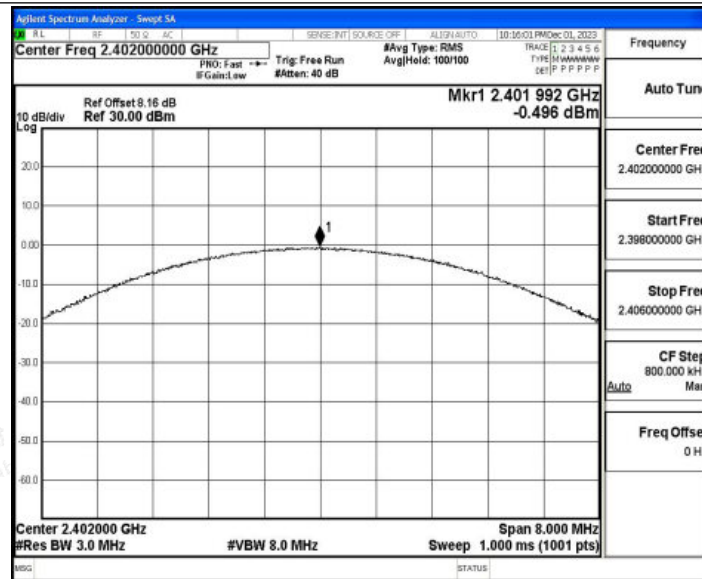


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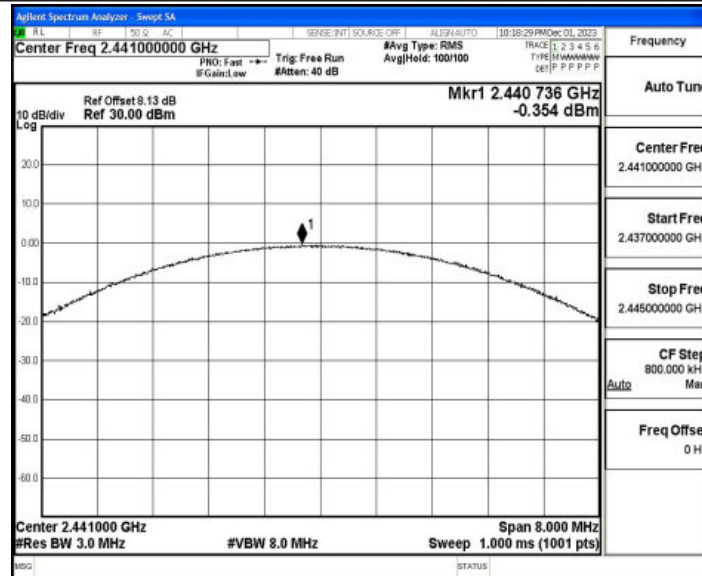
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3DH5_Ant1_2441



3DH5_Ant1_2480

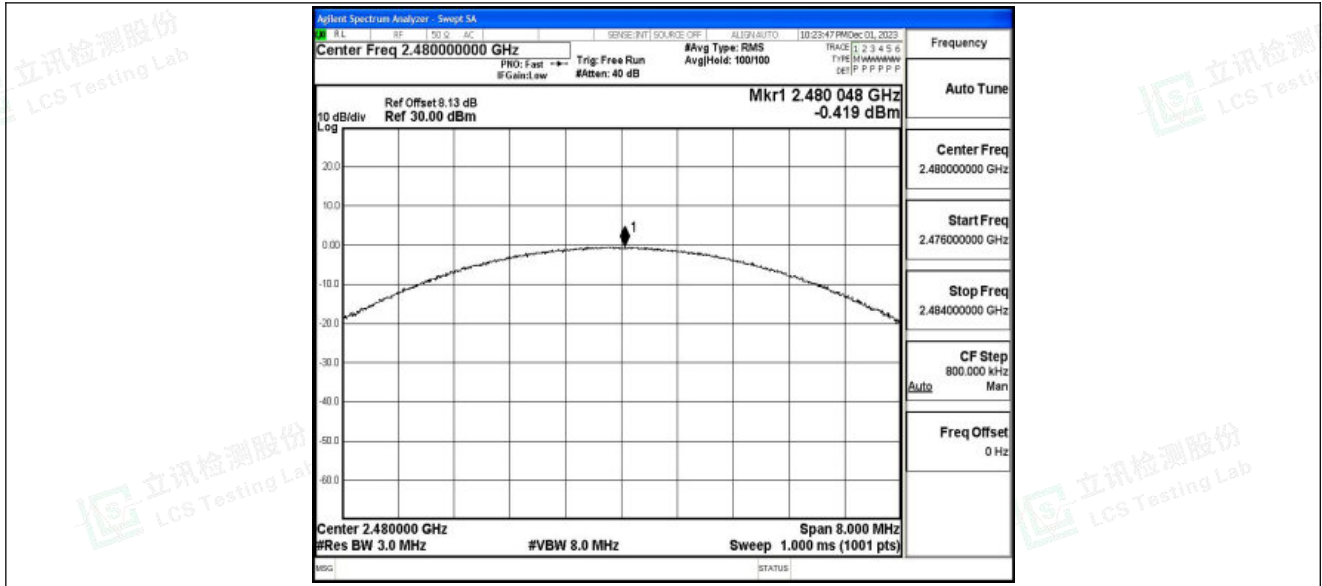


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A.3 Carrier frequency separation

Test Result

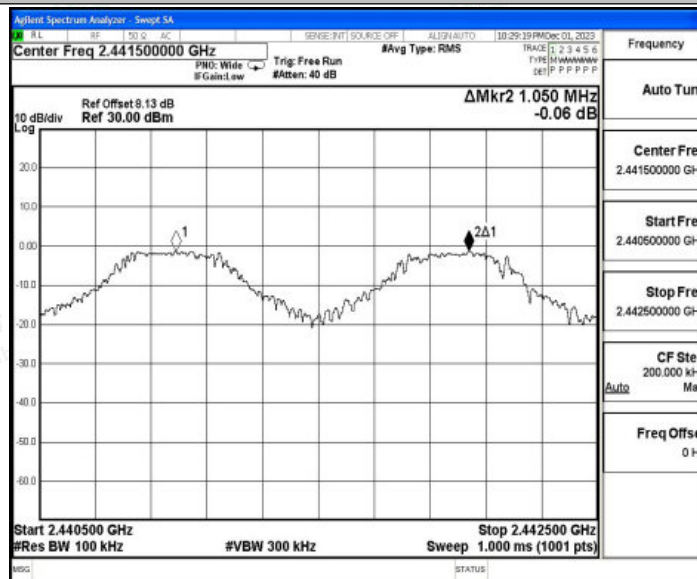
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.05	≥ 1.023	PASS
2DH5	Ant1	Hop	1.168	≥ 0.864	PASS
3DH5	Ant1	Hop	1.066	≥ 0.876	PASS



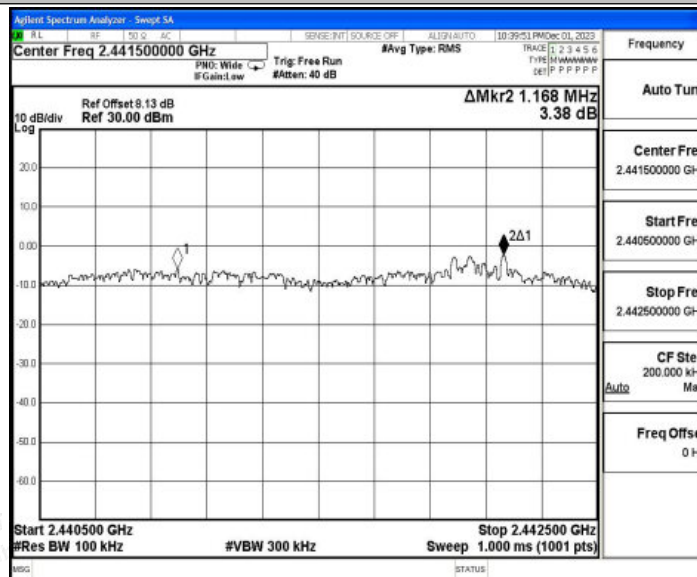


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

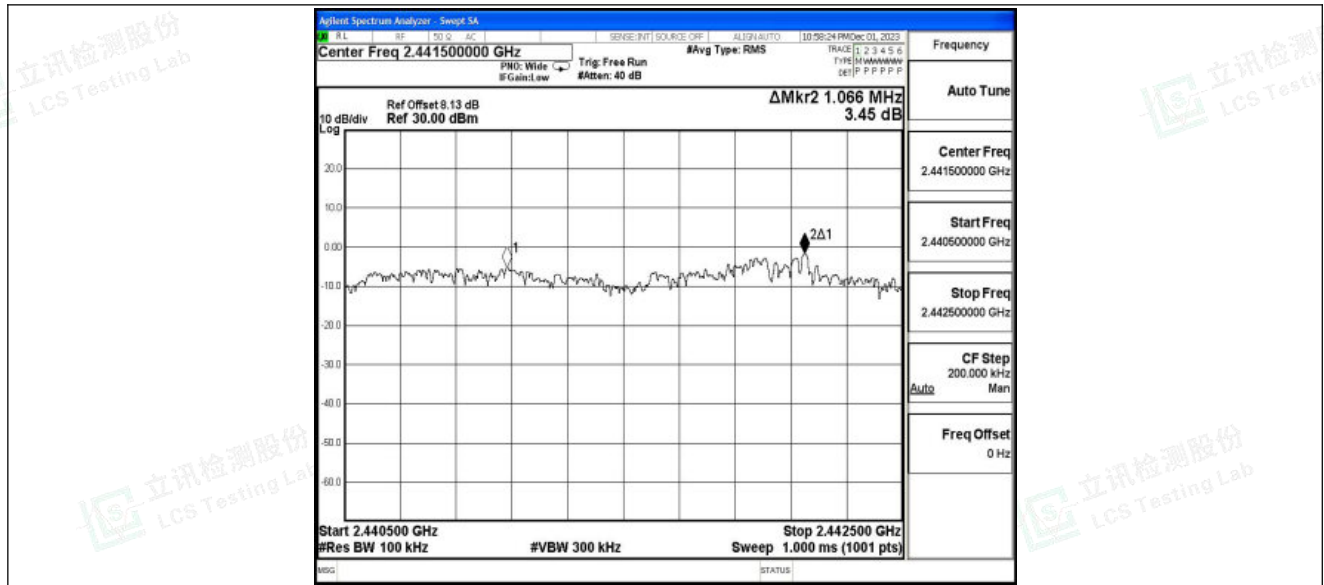


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A.4 Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS



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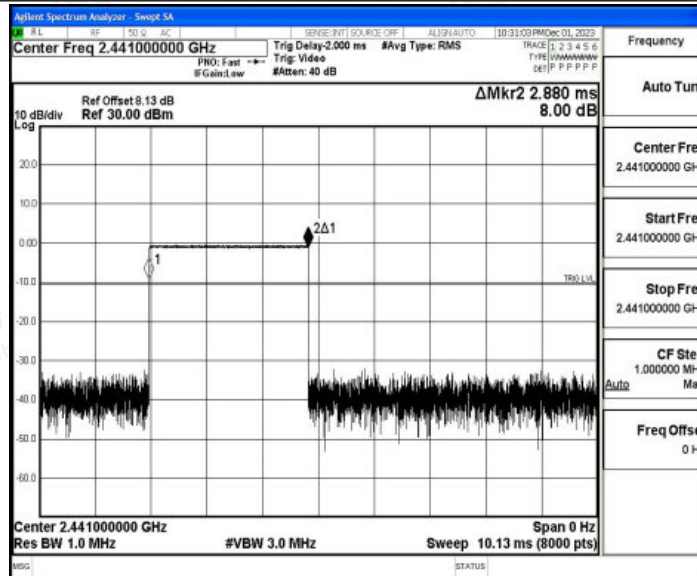
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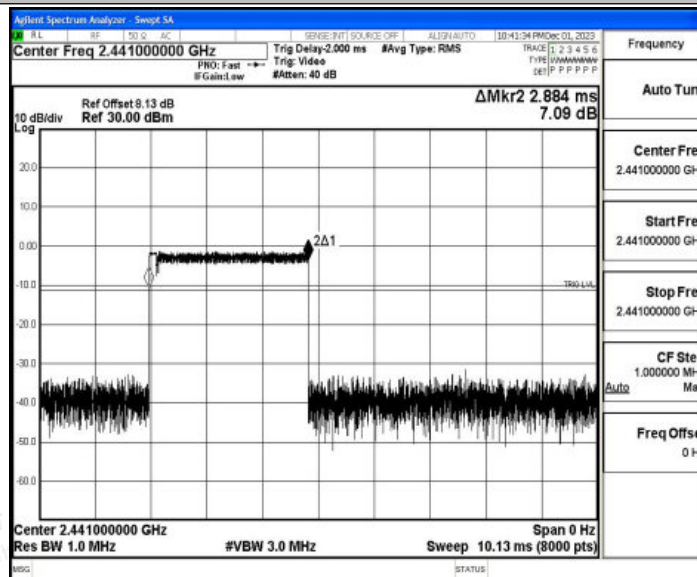


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

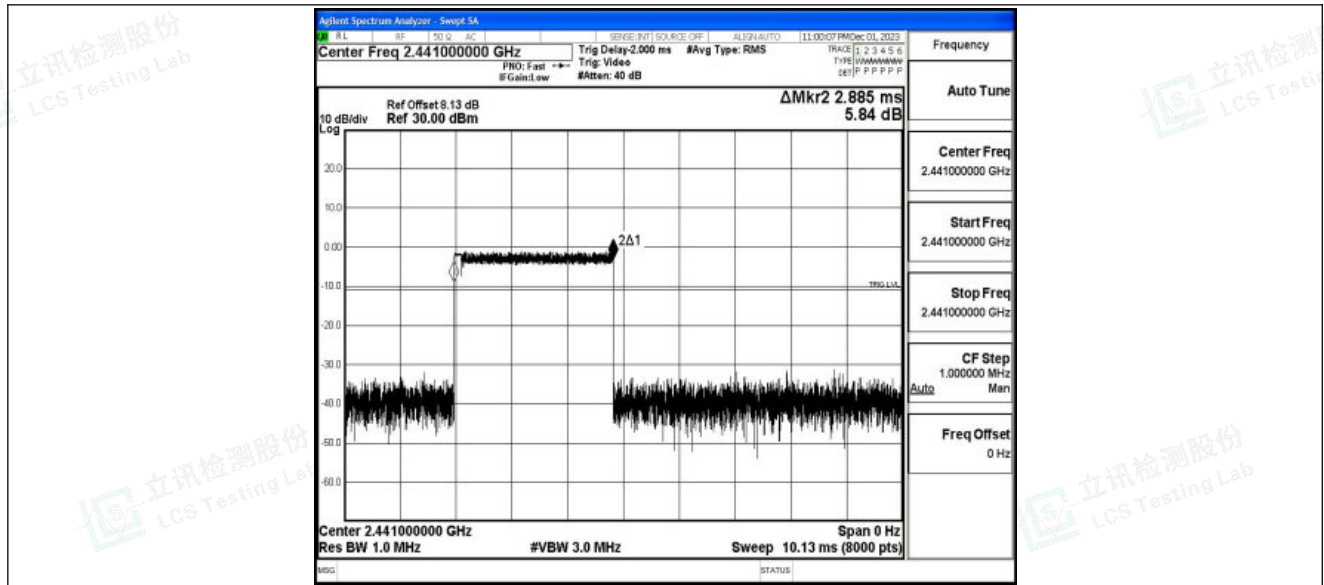


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A.5 Number of hopping channels

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



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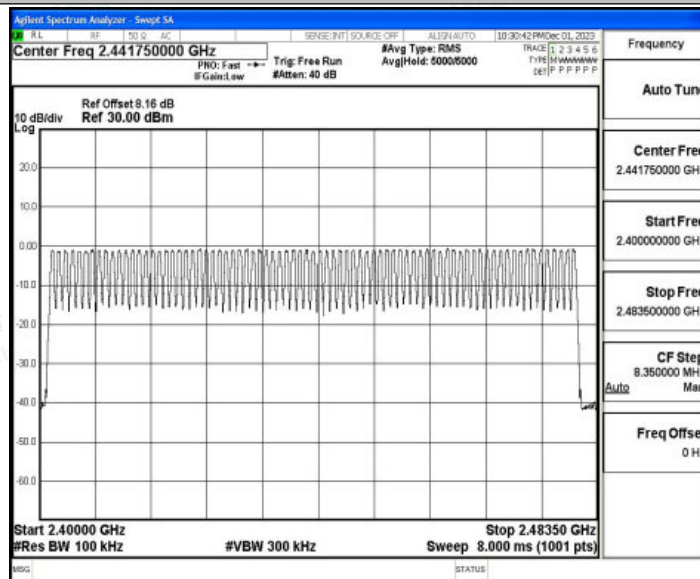
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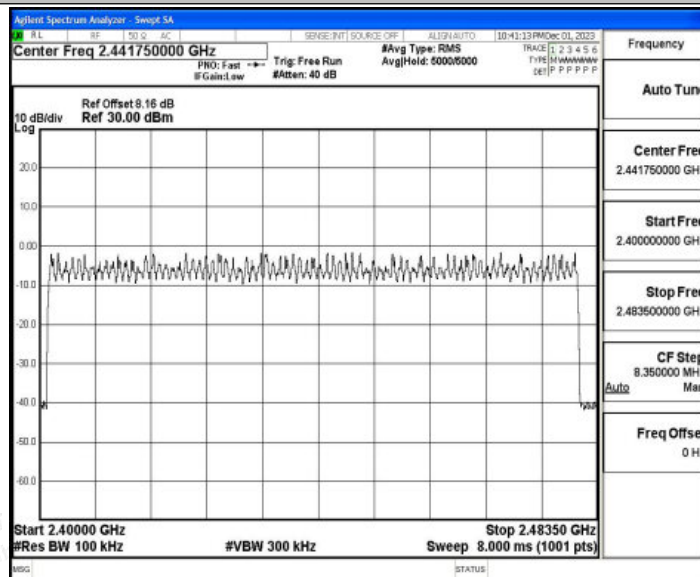


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

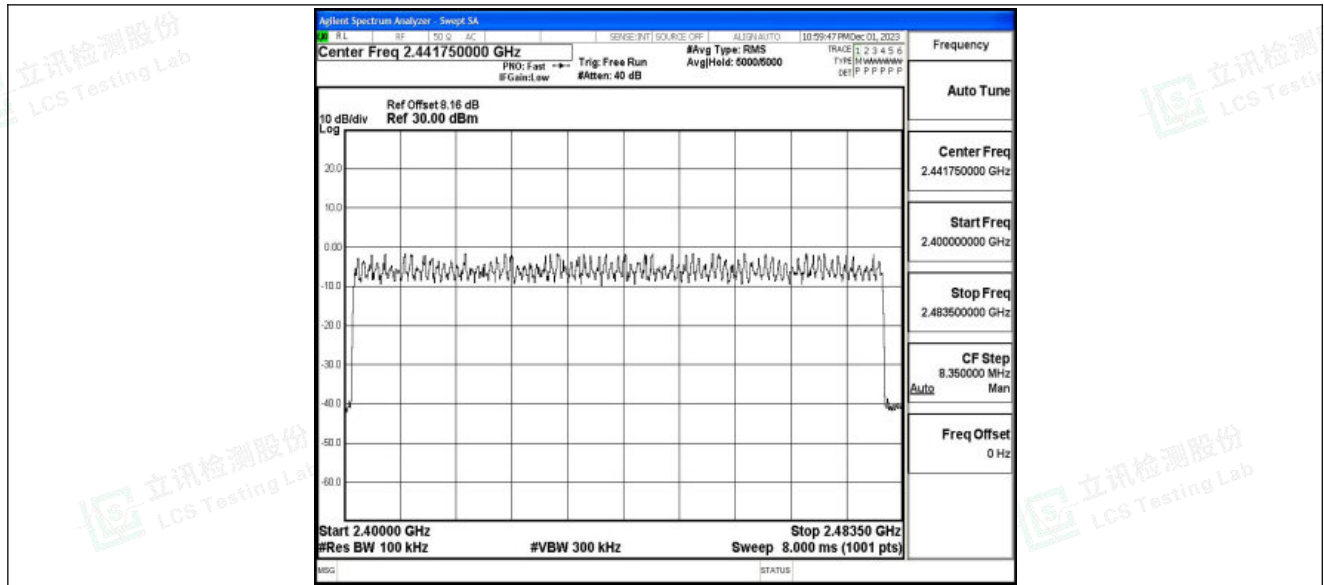


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.92	-50.51	≤ -21.92	PASS
		High	2480	-1.07	-50.05	≤ -21.07	PASS
		Low	Hop_2402	-1.57	-50.07	≤ -21.57	PASS
		High	Hop_2480	-0.70	-49.34	≤ -20.7	PASS
2DH5	Ant1	Low	2402	-3.06	-51.26	≤ -23.06	PASS
		High	2480	-6.02	-51.23	≤ -26.02	PASS
		Low	Hop_2402	-5.68	-49.6	≤ -25.68	PASS
		High	Hop_2480	-1.70	-49.13	≤ -21.7	PASS
3DH5	Ant1	Low	2402	-5.51	-51	≤ -25.51	PASS
		High	2480	-3.70	-50.15	≤ -23.7	PASS
		Low	Hop_2402	-4.50	-50.34	≤ -24.5	PASS
		High	Hop_2480	-1.98	-49.15	≤ -21.98	PASS



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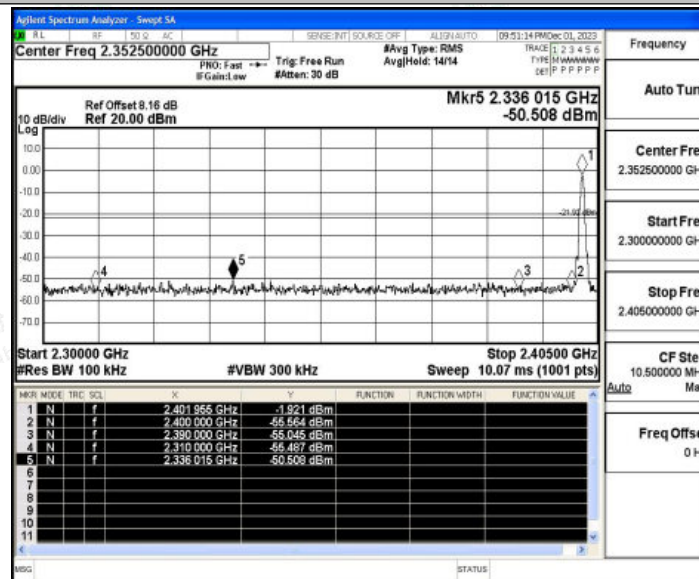
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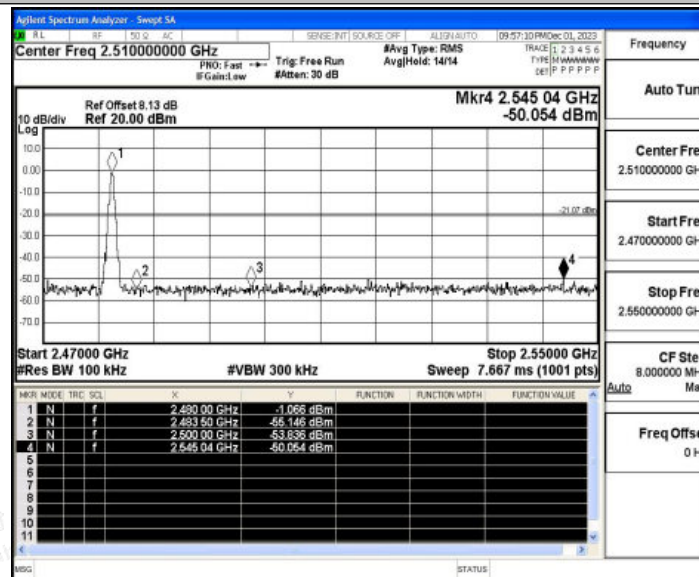


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

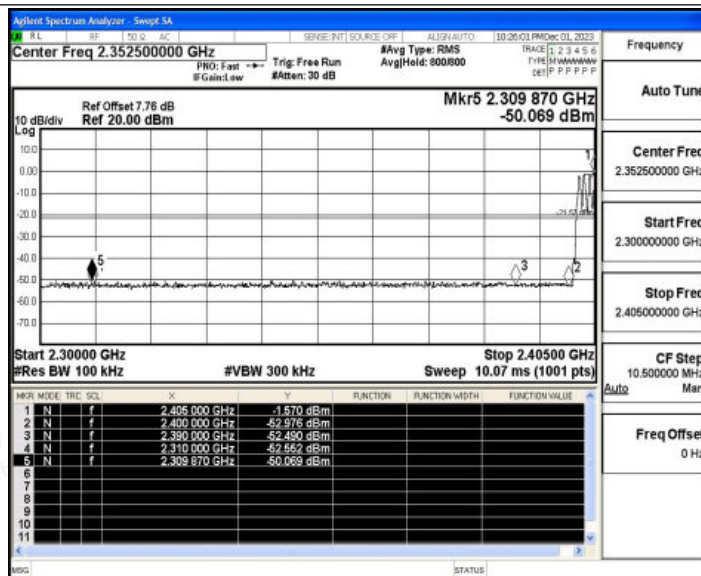


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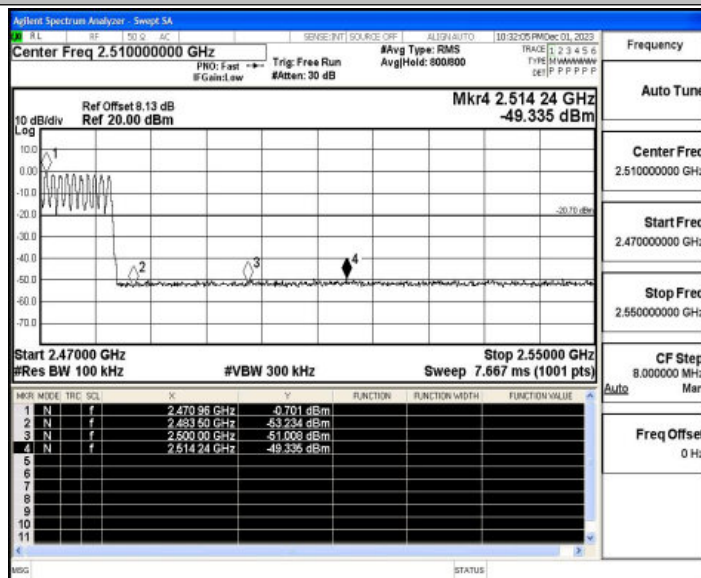
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

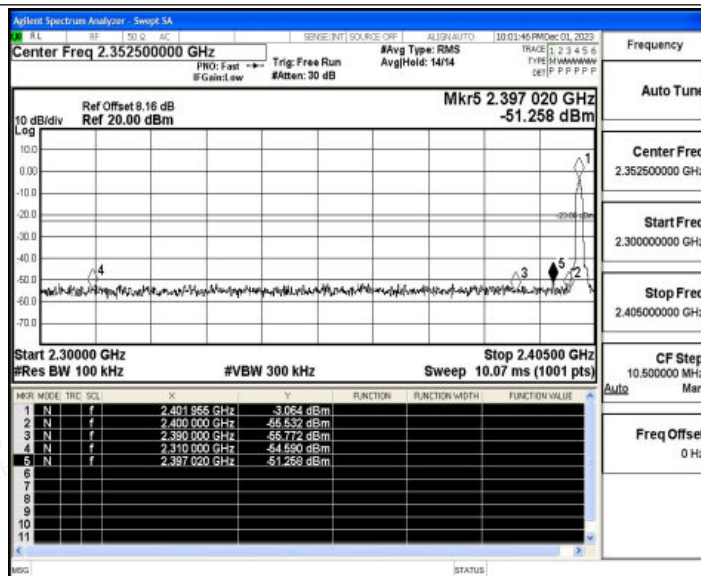


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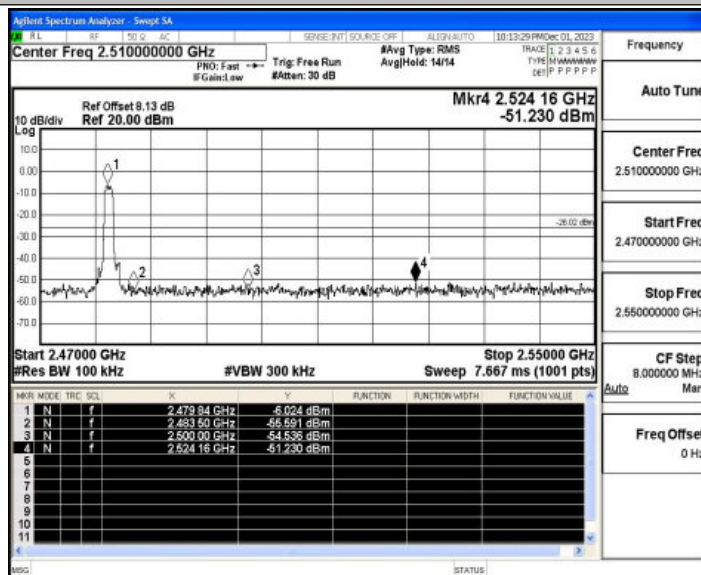
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

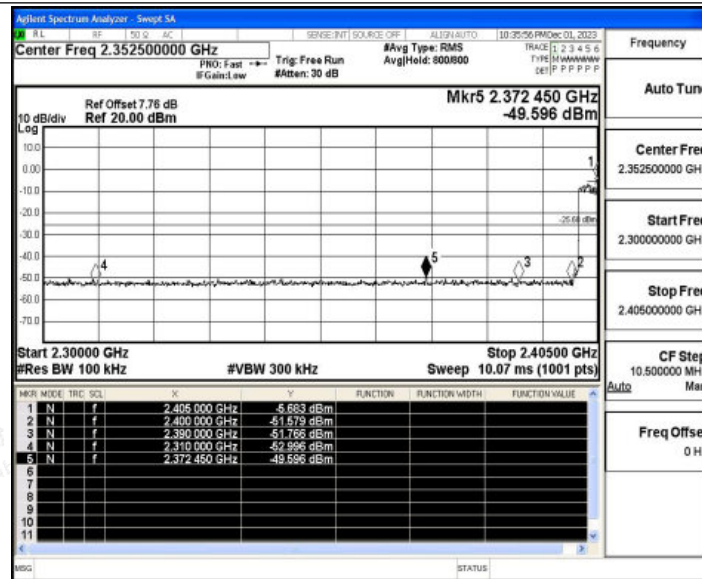


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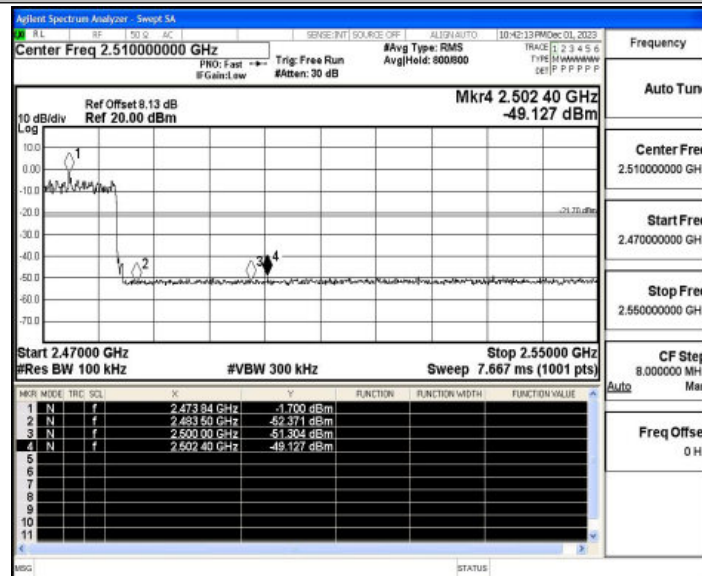
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

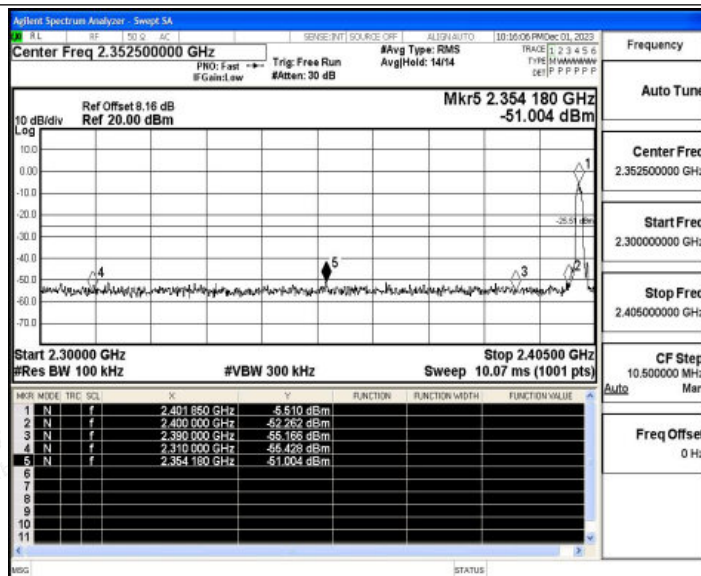


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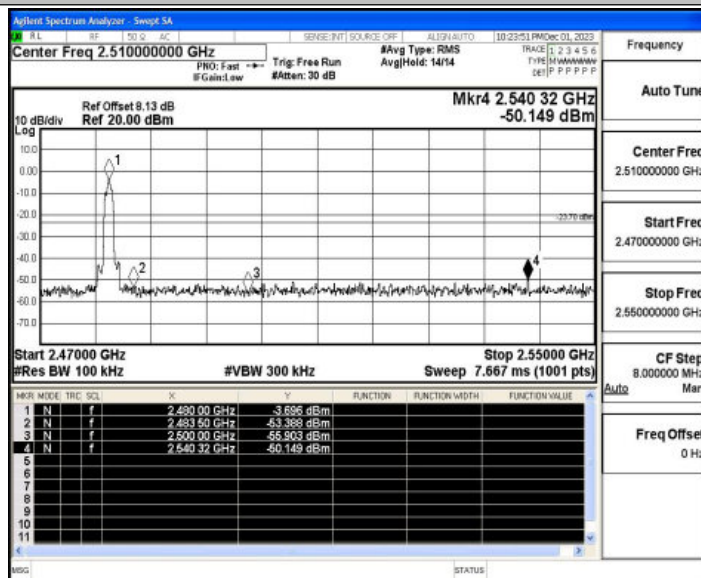
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

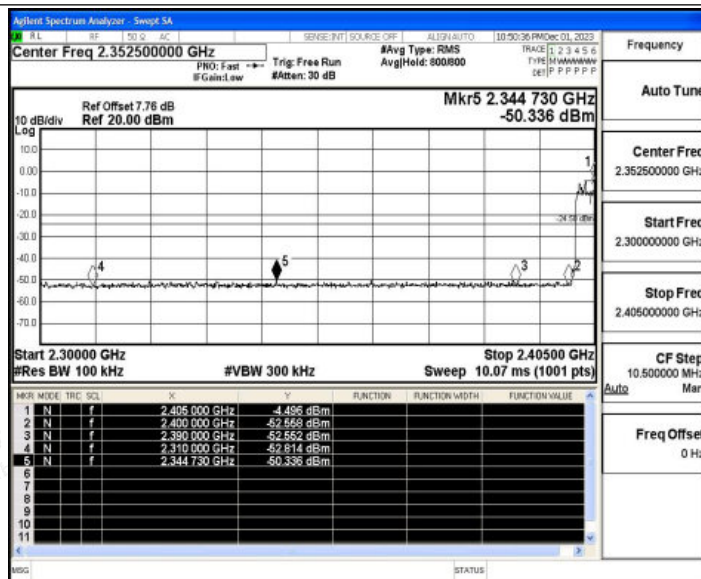


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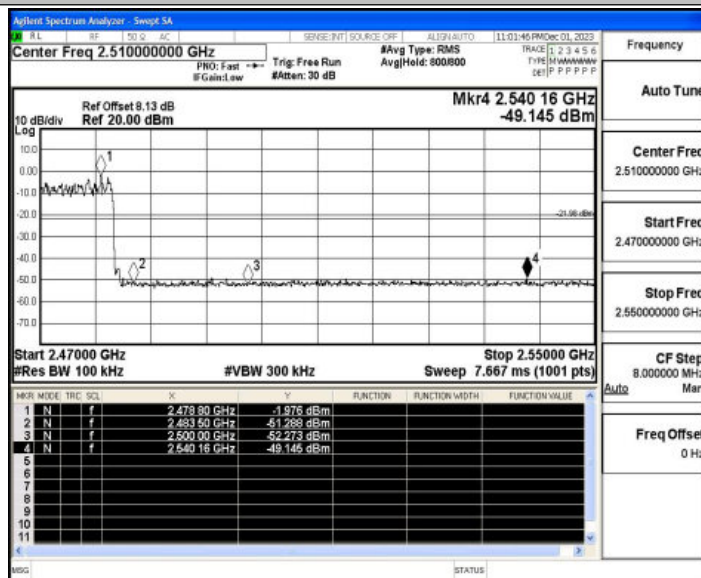
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3DH5_Ant1_High_Hop_2480



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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	-1.08	-1.08	---	PASS
			30~1000	-1.08	-61.68	≤ -21.08	PASS
			1000~26500	-1.08	-48.94	≤ -21.08	PASS
		2441	Reference	-1.34	-1.34	---	PASS
			30~1000	-1.34	-61.37	≤ -21.34	PASS
			1000~26500	-1.34	-48.75	≤ -21.34	PASS
		2480	Reference	-0.77	-0.77	---	PASS
			30~1000	-0.77	-61.89	≤ -20.77	PASS
			1000~26500	-0.77	-48.78	≤ -20.77	PASS
2DH5	Ant1	2402	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-60.48	≤ -22.18	PASS
			1000~26500	-2.18	-49.66	≤ -22.18	PASS
		2441	Reference	-2.12	-2.12	---	PASS
			30~1000	-2.12	-61.79	≤ -22.12	PASS
			1000~26500	-2.12	-49.55	≤ -22.12	PASS
		2480	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-61.85	≤ -22.11	PASS
			1000~26500	-2.11	-47.6	≤ -22.11	PASS
3DH5	Ant1	2402	Reference	-1.96	-1.96	---	PASS
			30~1000	-1.96	-62.04	≤ -21.96	PASS
			1000~26500	-1.96	-49.3	≤ -21.96	PASS
		2441	Reference	-2.35	-2.35	---	PASS
			30~1000	-2.35	-61.09	≤ -22.35	PASS
			1000~26500	-2.35	-48.94	≤ -22.35	PASS
		2480	Reference	-2.39	-2.39	---	PASS
			30~1000	-2.39	-62.01	≤ -22.39	PASS
			1000~26500	-2.39	-48.55	≤ -22.39	PASS



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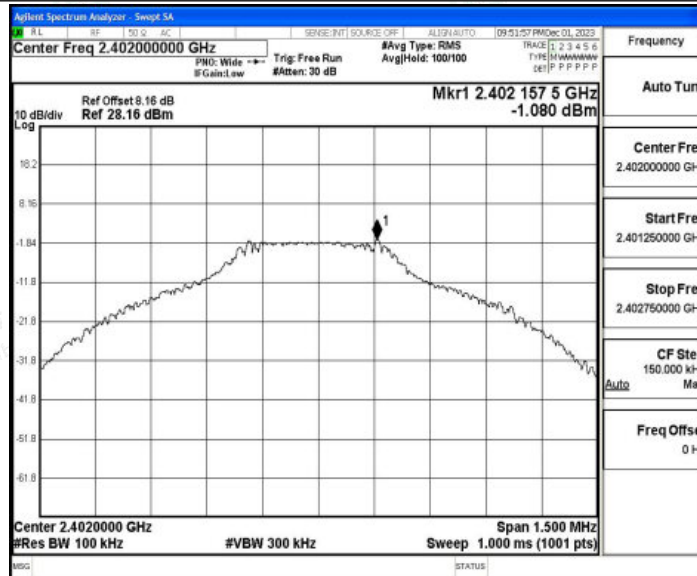
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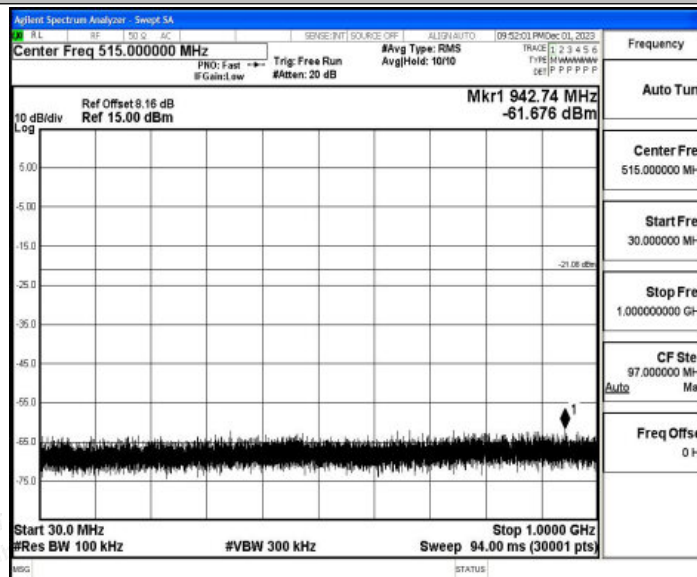


Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500

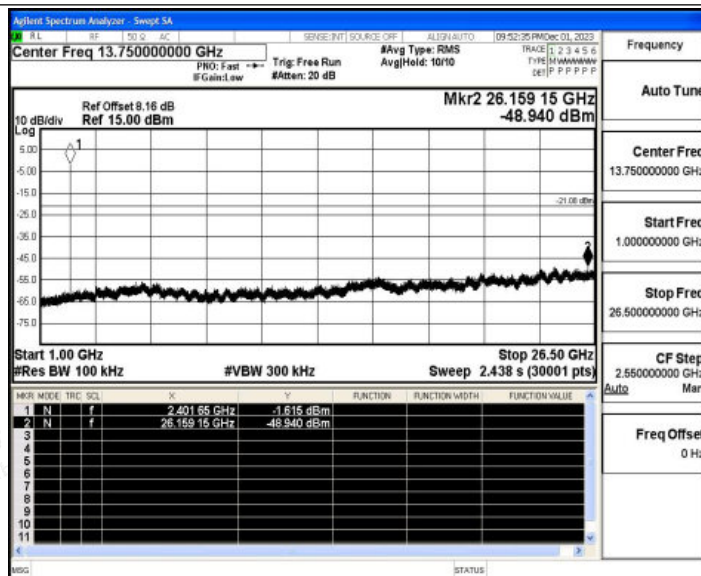


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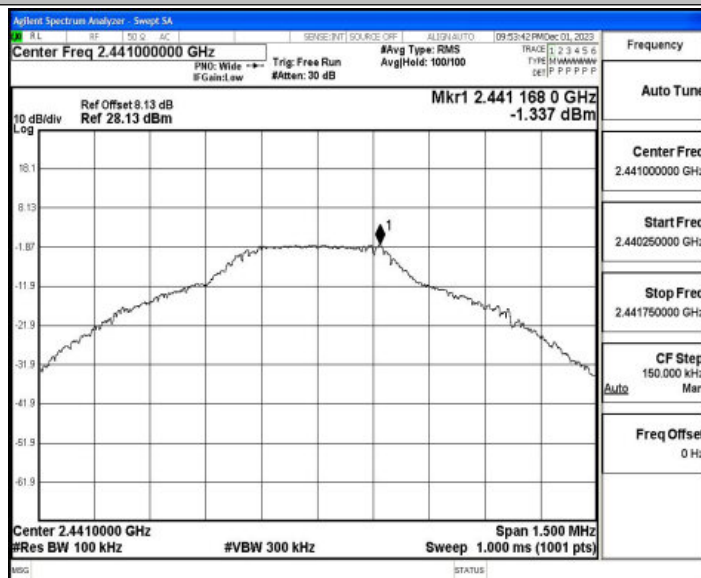
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

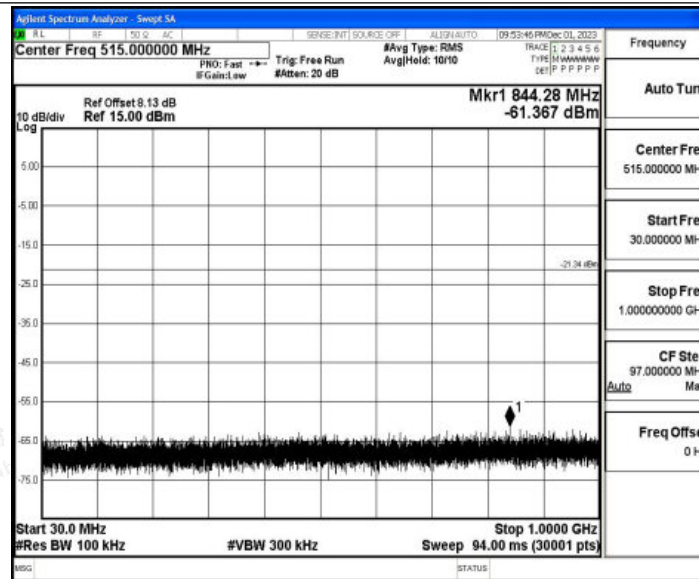


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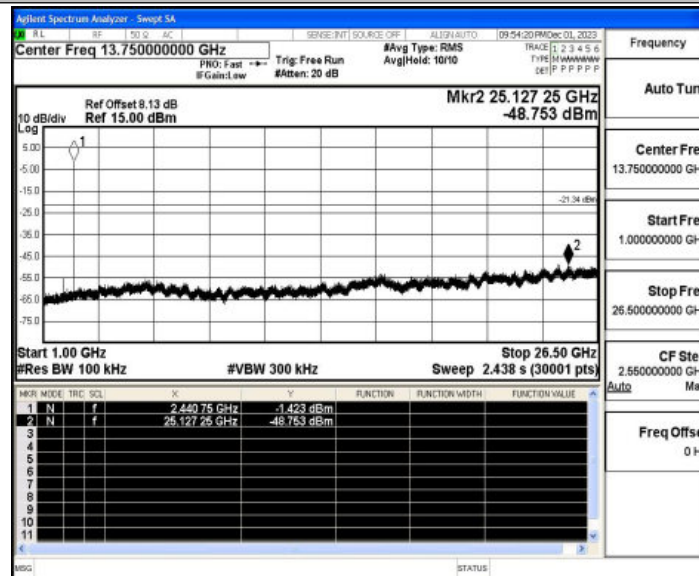
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference

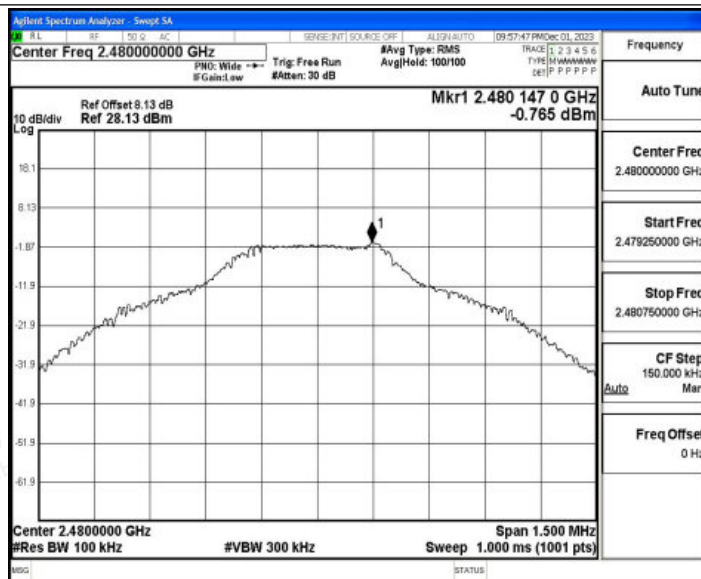


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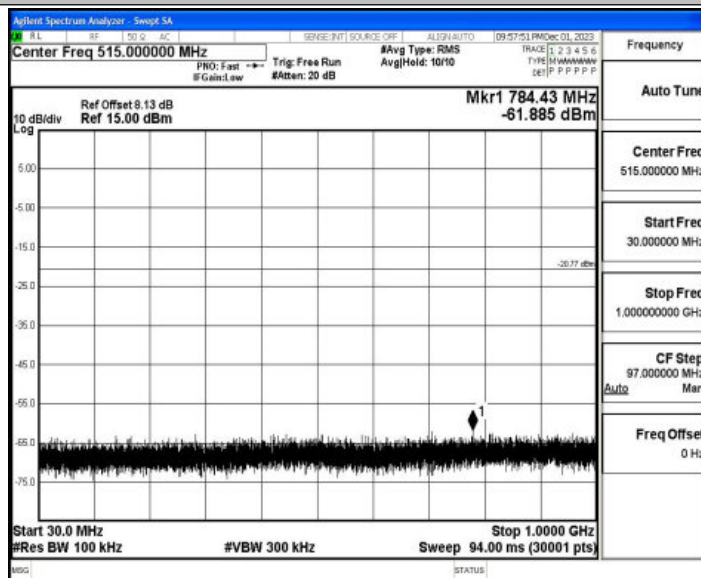
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DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

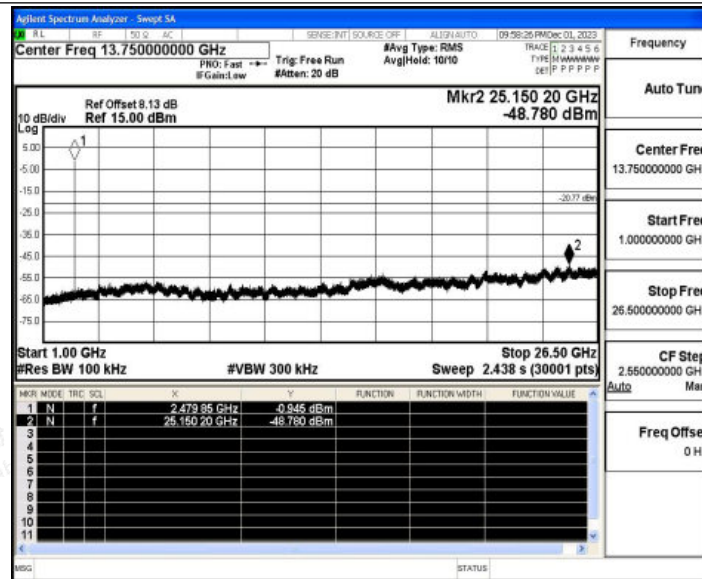


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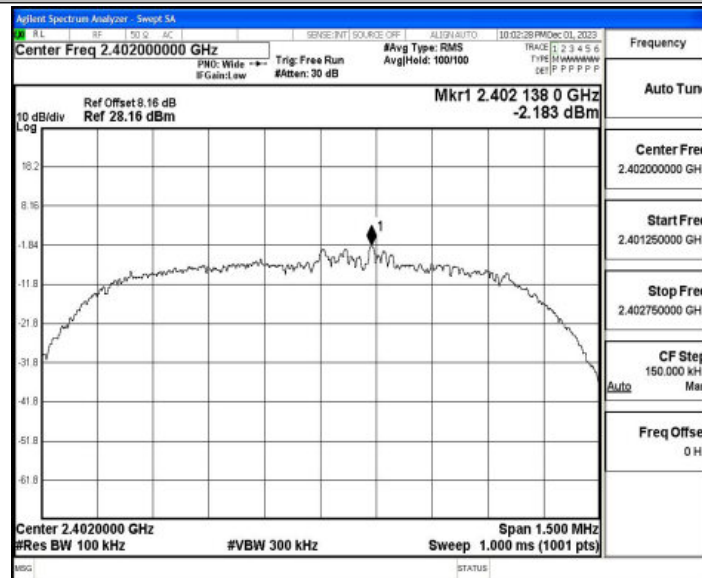
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2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000

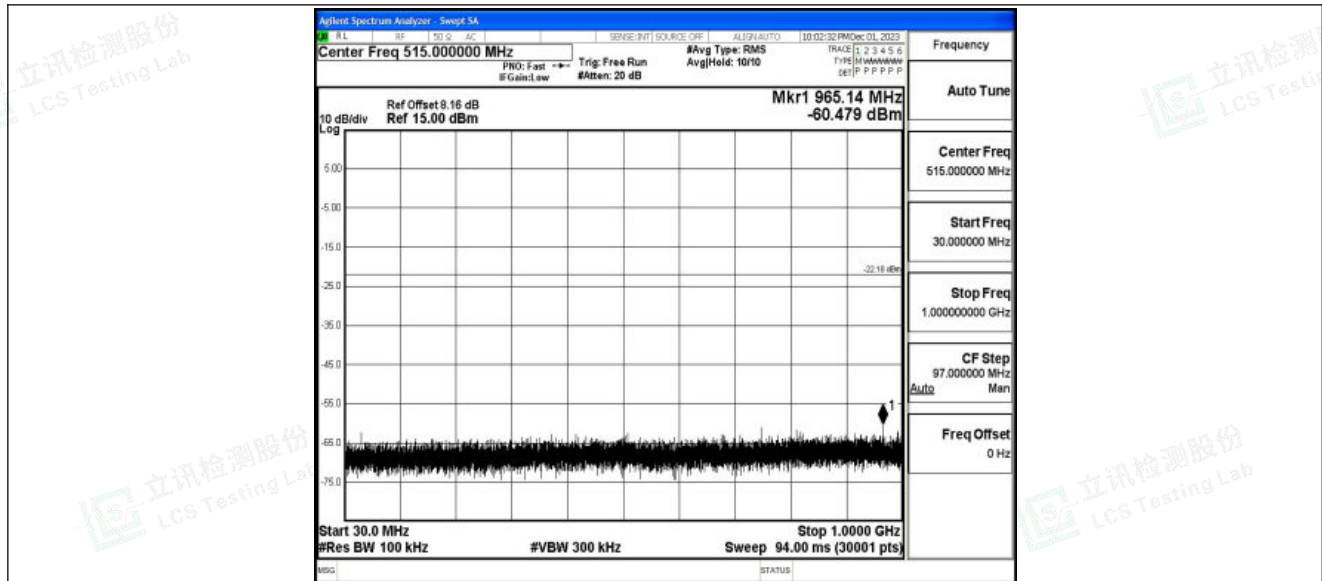


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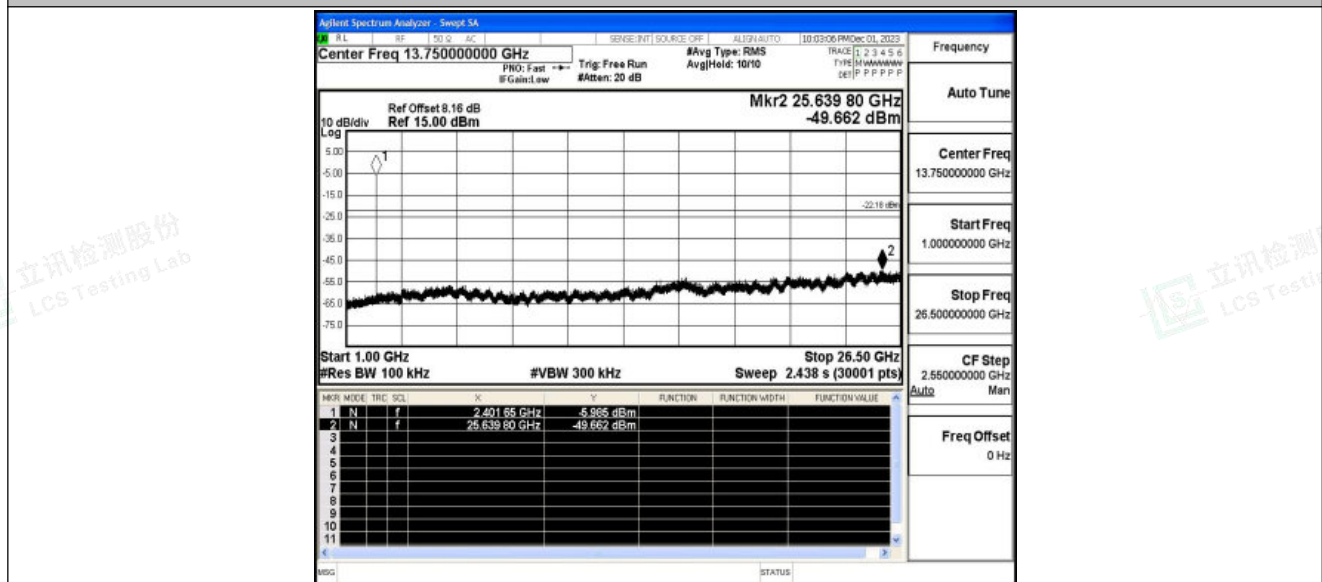
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2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference

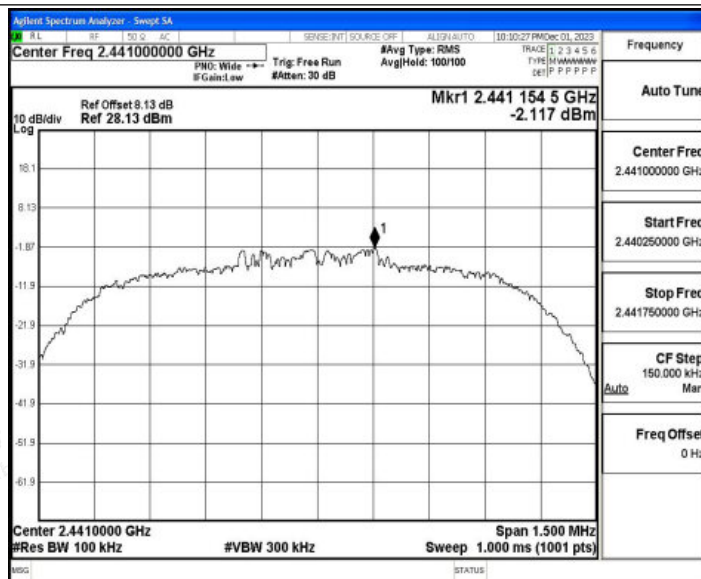


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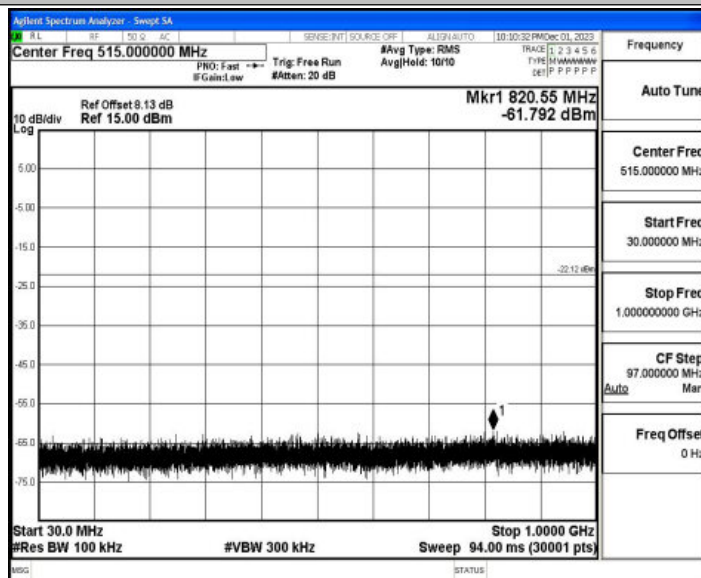
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2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500

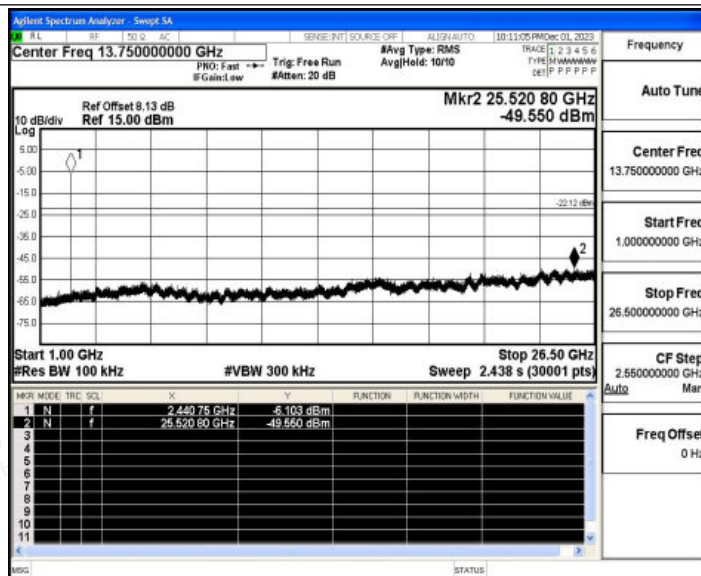


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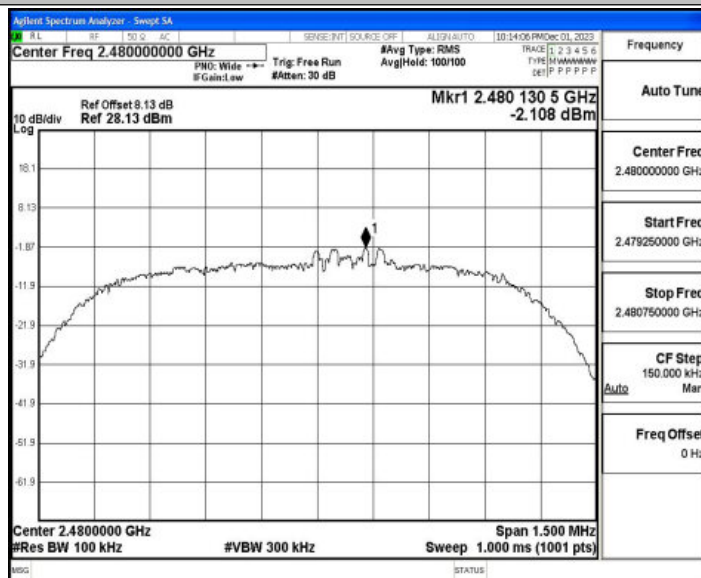
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000

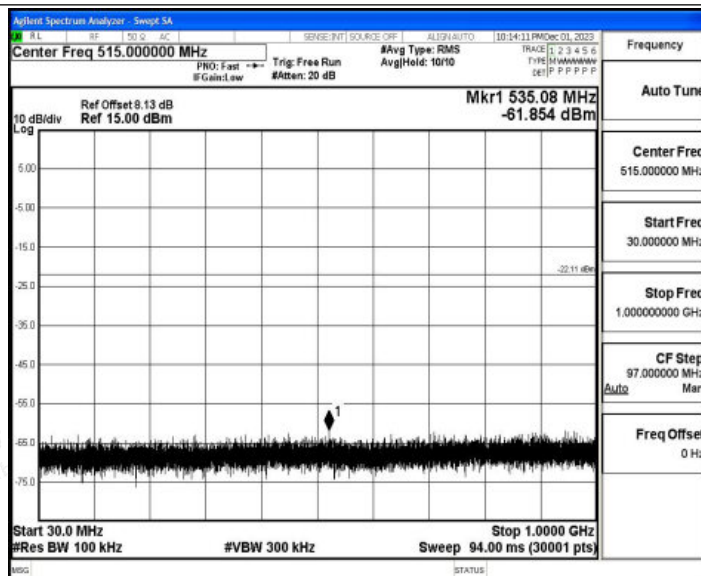


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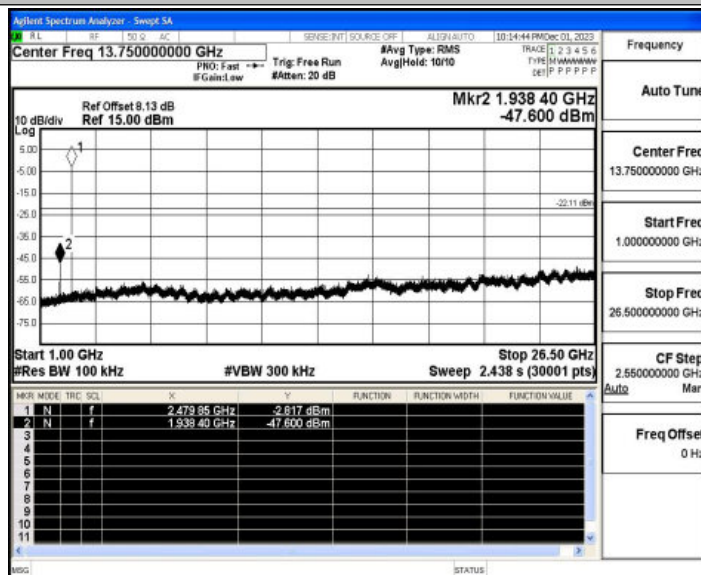
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2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

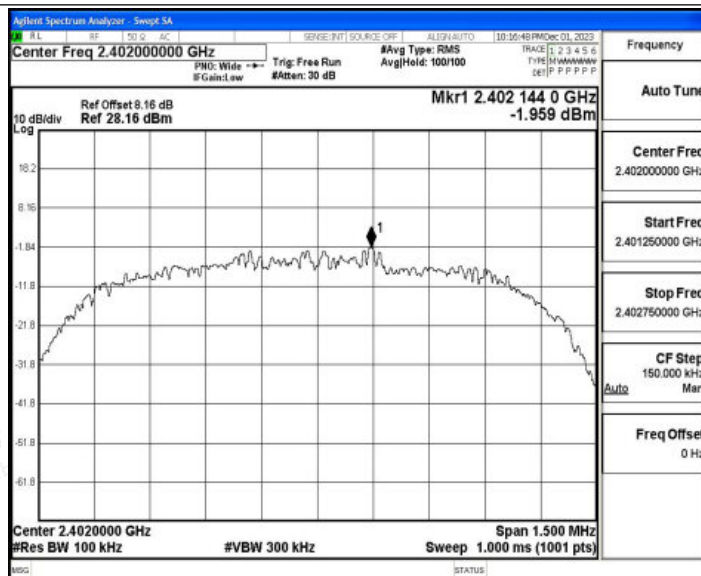


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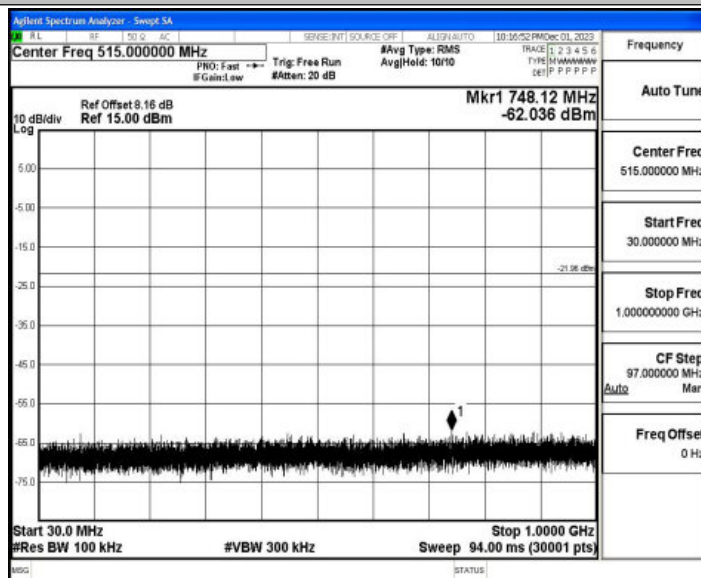
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3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500

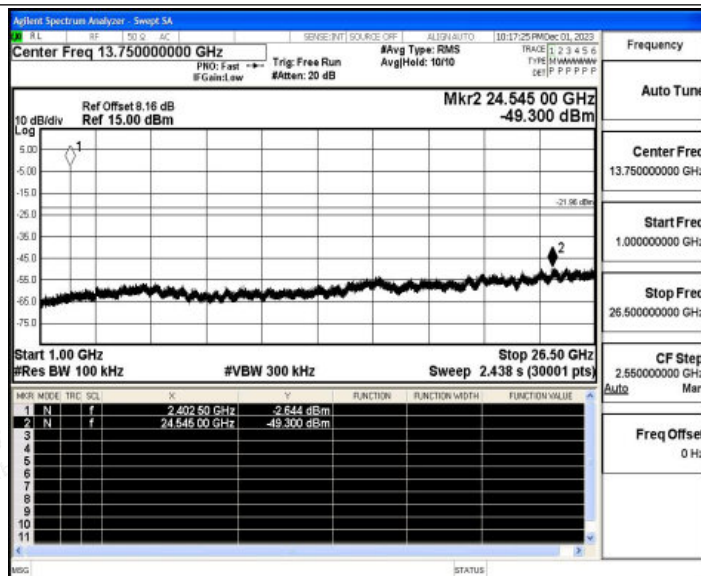


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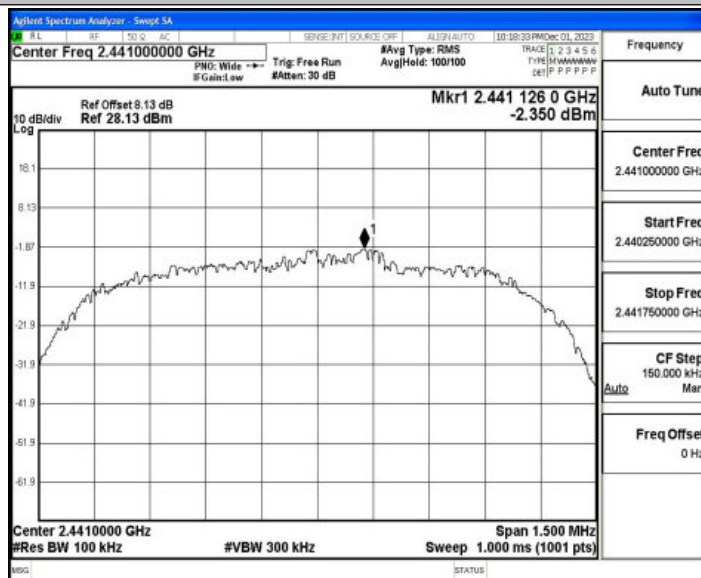
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3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000

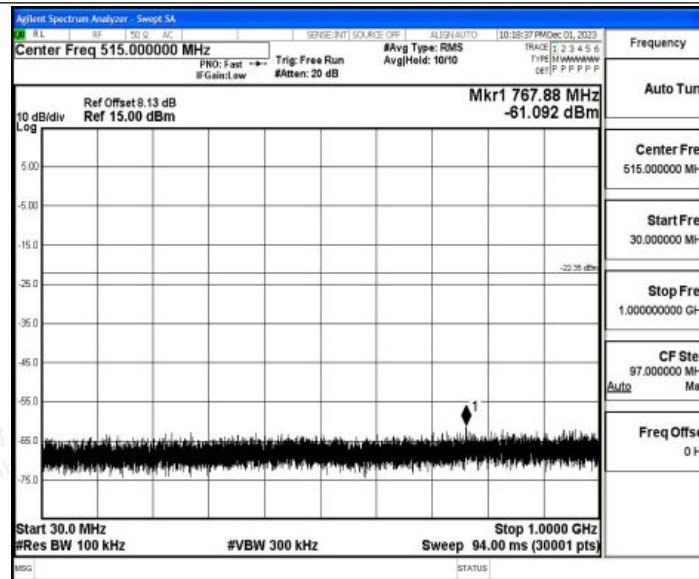


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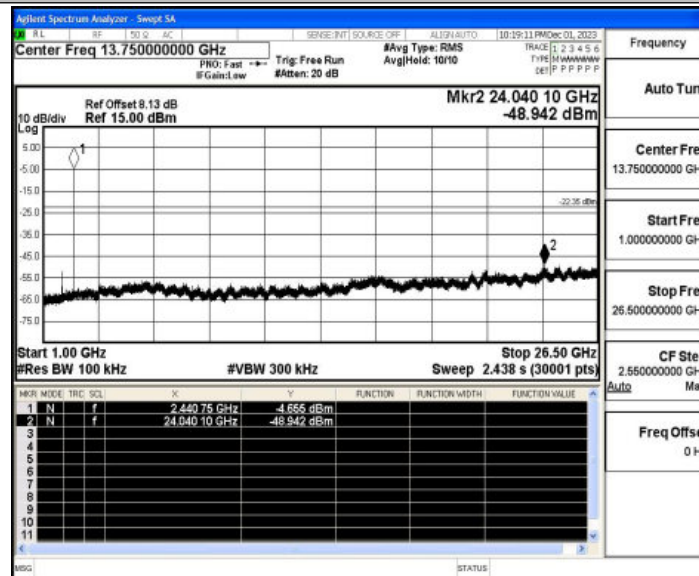
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3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference

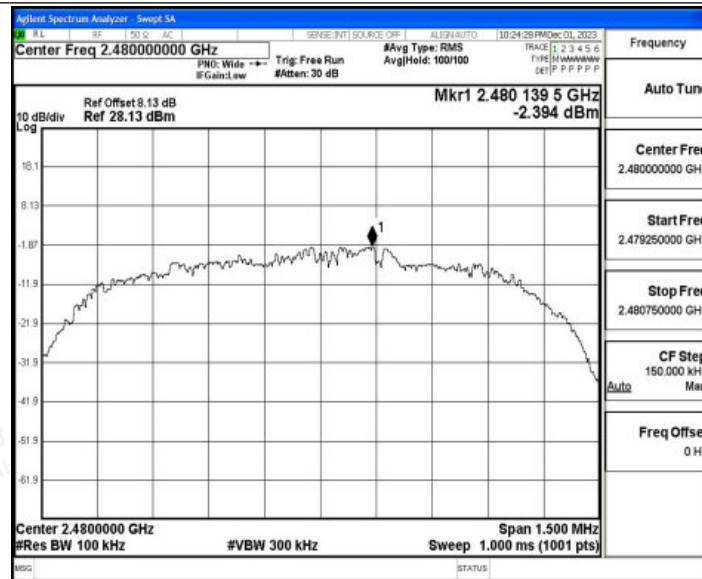


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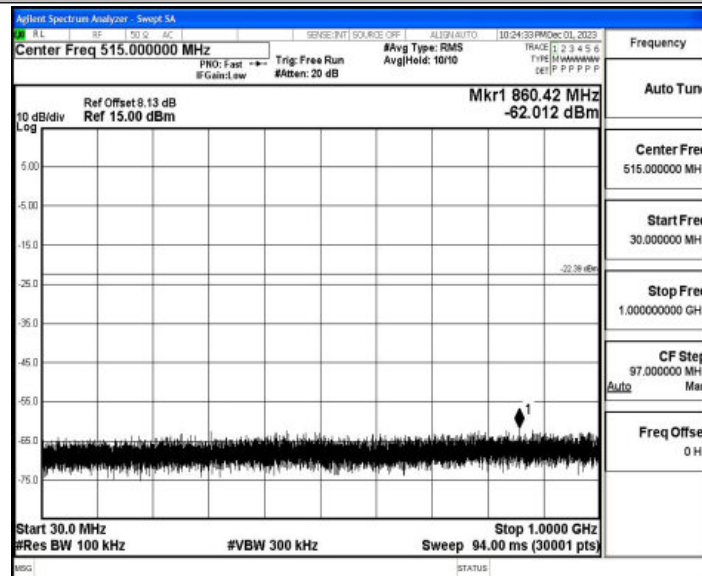
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3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500

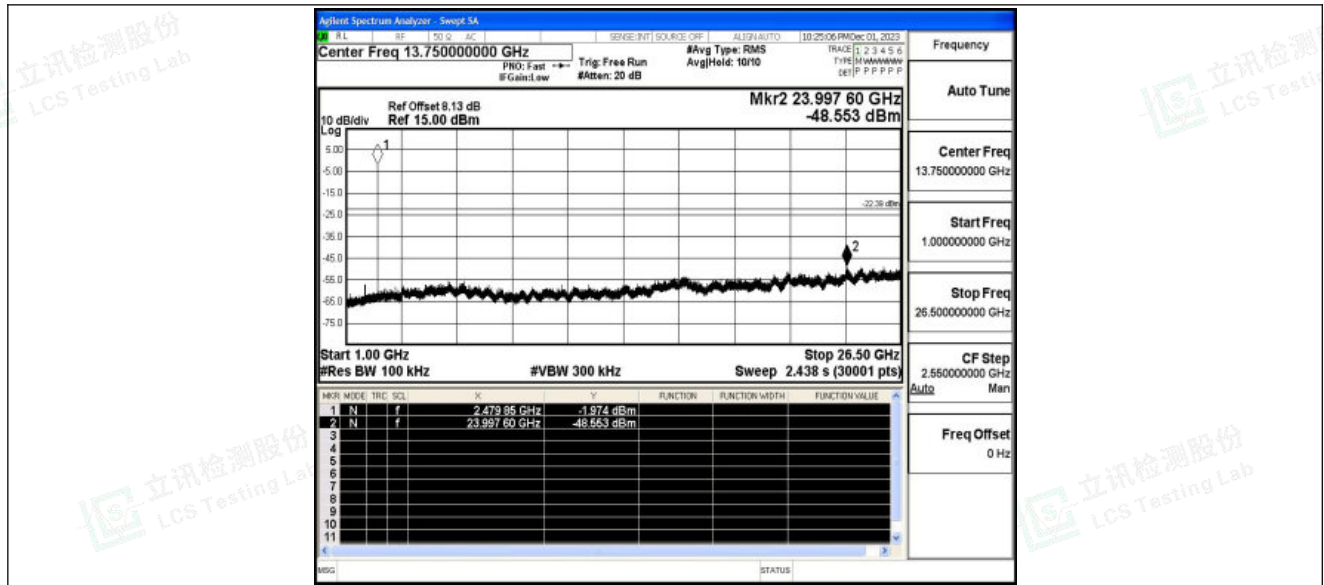


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A.8 Emissions in Restricted Bands

Test Result

TestM ode	Anten na	ChNam e	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.14	≤-41.20	46.06	≤54	PASS
				AV	2389.565	-48.65	≤-41.20	46.55	≤54	PASS
				AV	2390.000	-48.84	≤-41.20	46.36	≤54	PASS
				Peak	2310.000	-45.79	≤-21.20	49.41	≤74	PASS
				Peak	2385.050	-39.09	≤-21.20	56.11	≤74	PASS
				Peak	2390.000	-42.84	≤-21.20	52.36	≤74	PASS
		High	2480	AV	2483.500	-48.55	≤-41.20	46.65	≤54	PASS
				AV	2490.720	-48.52	≤-41.20	46.68	≤54	PASS
				AV	2500.000	-48.63	≤-41.20	46.57	≤54	PASS
				Peak	2483.500	-43.89	≤-21.20	51.31	≤74	PASS
				Peak	2497.440	-40.36	≤-21.20	54.84	≤74	PASS
				Peak	2500.000	-44.07	≤-21.20	51.13	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-40.41	≤-21.20	54.79	≤74	PASS
				Peak	2364.365	-38.4	≤-21.20	56.80	≤74	PASS
				Peak	2390.000	-40.77	≤-21.20	54.43	≤74	PASS
		High	Hop_2480	Peak	2483.500	-40.72	≤-21.20	54.48	≤74	PASS
				Peak	2488.000	-38.42	≤-21.20	56.78	≤74	PASS
				Peak	2500.000	-40.22	≤-21.20	54.98	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.12	≤-41.20	46.08	≤54	PASS
				AV	2389.565	-48.63	≤-41.20	46.57	≤54	PASS
				AV	2390.000	-48.81	≤-41.20	46.39	≤54	PASS
				Peak	2310.000	-43.58	≤-21.20	51.62	≤74	PASS
				Peak	2370.140	-39.9	≤-21.20	55.30	≤74	PASS
				Peak	2390.000	-43.1	≤-21.20	52.10	≤74	PASS
		High	2480	AV	2483.500	-48.56	≤-41.20	46.64	≤54	PASS
				AV	2499.440	-48.49	≤-41.20	46.71	≤54	PASS
				AV	2500.000	-48.65	≤-41.20	46.55	≤54	PASS
				Peak	2483.500	-44.08	≤-21.20	51.12	≤74	PASS



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		Low	Hop_2402	Peak	2486.560	-39.68	≤ -21.20	55.52	≤ 74	PASS
				Peak	2500.000	-45.04	≤ -21.20	50.16	≤ 74	PASS
				Peak	2310.000	-39.26	≤ -21.20	55.94	≤ 74	PASS
				Peak	2317.430	-38.01	≤ -21.20	57.19	≤ 74	PASS
				Peak	2390.000	-40.01	≤ -21.20	55.19	≤ 74	PASS
				Peak	2483.500	-39.81	≤ -21.20	55.39	≤ 74	PASS
		High	Hop_2480	Peak	2495.200	-37.98	≤ -21.20	57.22	≤ 74	PASS
				Peak	2500.000	-41	≤ -21.20	54.20	≤ 74	PASS
				Peak	2500.000	-41	≤ -21.20	54.20	≤ 74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-49.05	≤ -41.20	46.15	≤ 54	PASS
				AV	2380.955	-48.6	≤ -41.20	46.60	≤ 54	PASS
				AV	2390.000	-48.78	≤ -41.20	46.42	≤ 54	PASS
				Peak	2310.000	-45.29	≤ -21.20	49.91	≤ 74	PASS
				Peak	2324.360	-39.83	≤ -21.20	55.37	≤ 74	PASS
				Peak	2390.000	-43.36	≤ -21.20	51.84	≤ 74	PASS
		High	2480	AV	2483.500	-48.41	≤ -41.20	46.79	≤ 54	PASS
				AV	2483.520	-48.41	≤ -41.20	46.79	≤ 54	PASS
				AV	2500.000	-48.71	≤ -41.20	46.49	≤ 54	PASS
				Peak	2483.500	-42.3	≤ -21.20	52.90	≤ 74	PASS
				Peak	2489.600	-39.02	≤ -21.20	56.18	≤ 74	PASS
				Peak	2500.000	-44.11	≤ -21.20	51.09	≤ 74	PASS
		Low	Hop_2402	Peak	2310.000	-39.61	≤ -21.20	55.59	≤ 74	PASS
				Peak	2328.875	-38.52	≤ -21.20	56.68	≤ 74	PASS
				Peak	2390.000	-40.42	≤ -21.20	54.78	≤ 74	PASS
		High	Hop_2480	Peak	2483.500	-40.43	≤ -21.20	54.77	≤ 74	PASS
				Peak	2486.640	-37.96	≤ -21.20	57.24	≤ 74	PASS
				Peak	2500.000	-40.56	≤ -21.20	54.64	≤ 74	PASS

Note:

1. The Antenna Gain is compensated in the graph.
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.



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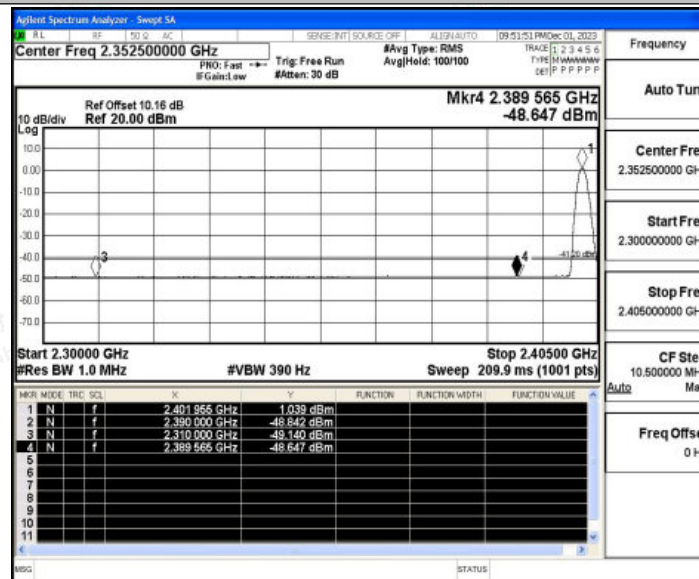
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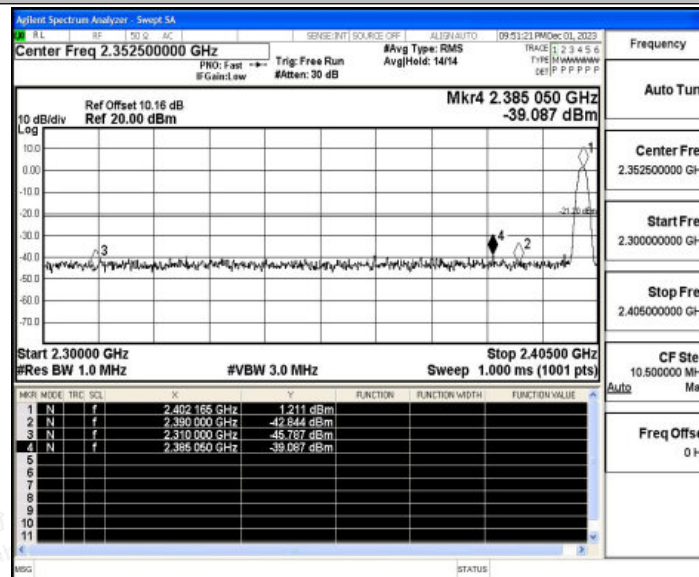


Test Graphs

DH5_Ant1_Low_2402_AV



DH5_Ant1_Low_2402_Peak



DH5_Ant1_High_2480_AV

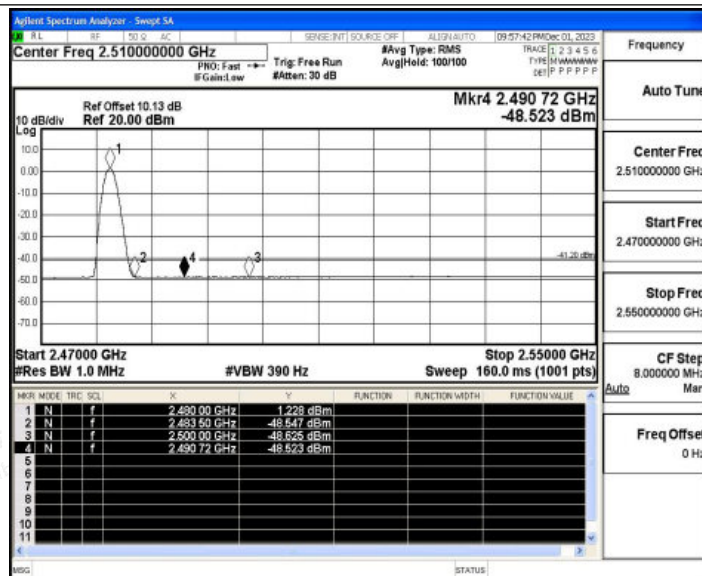


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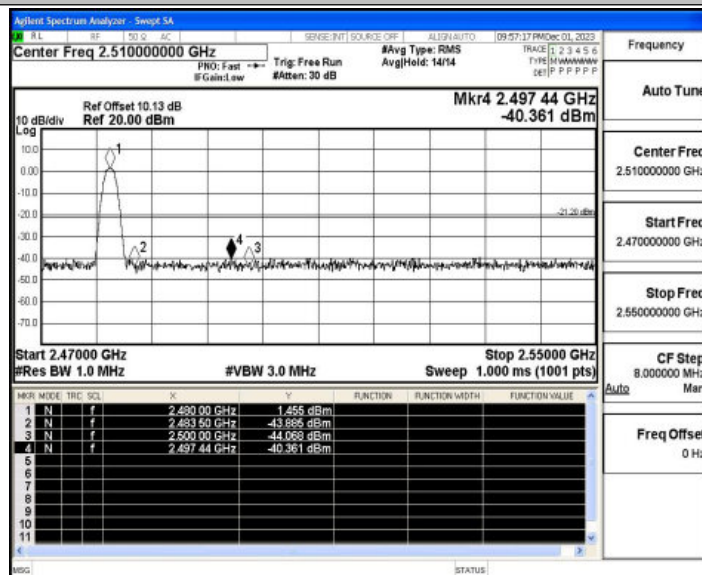
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DH5_Ant1_High_2480_Peak



DH5_Ant1_Low_Hop_2402_Peak

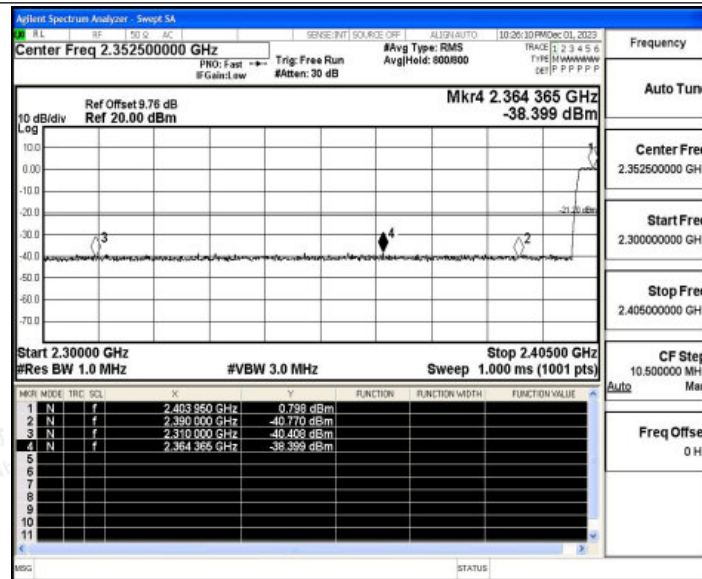


Shenzhen LCS Compliance Testing Laboratory Ltd.

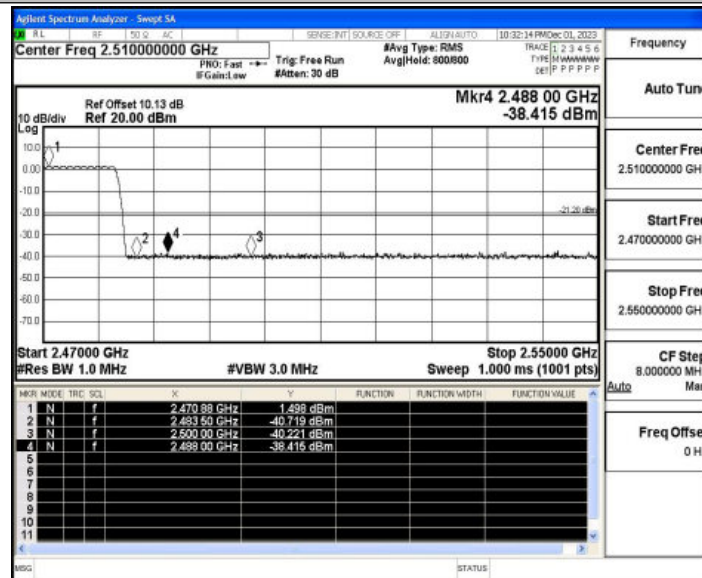
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DH5_Ant1_High_Hop_2480_Peak



2DH5_Ant1_Low_2402_AV

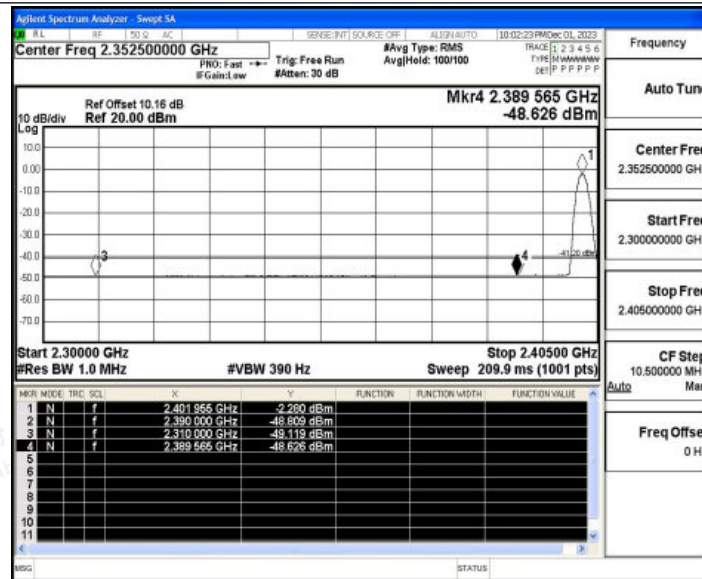


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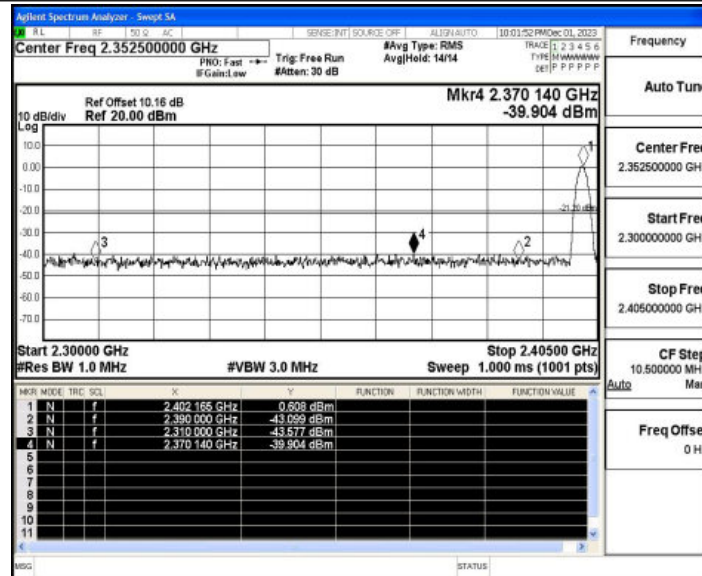
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2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV

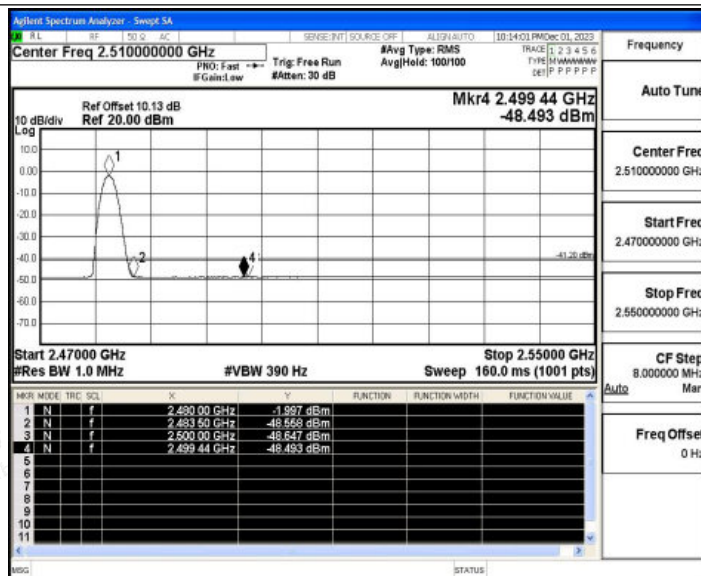


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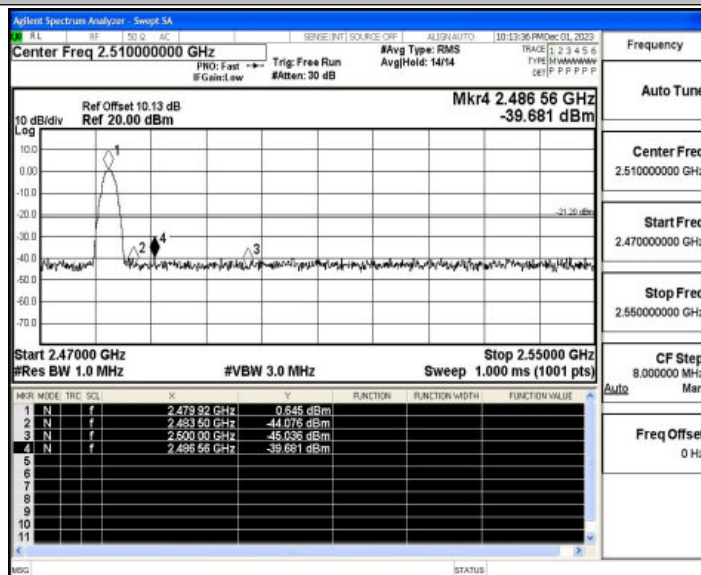
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2DH5_Ant1_High_2480_Peak



2DH5_Ant1_Low_Hop_2402_Peak

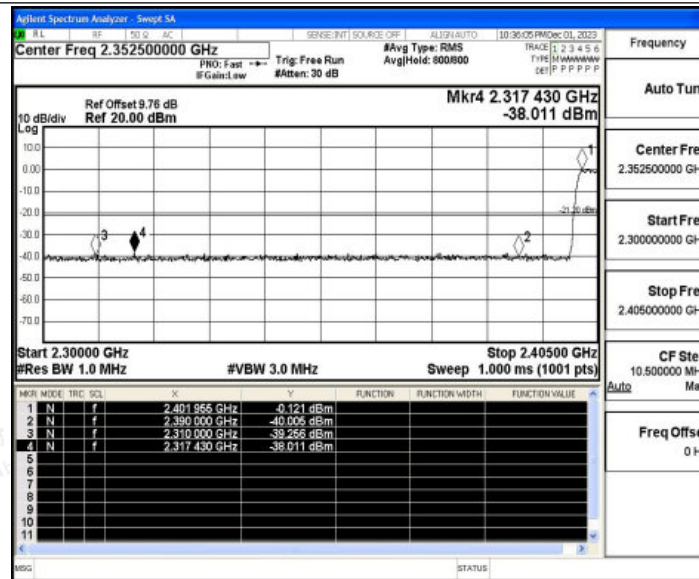


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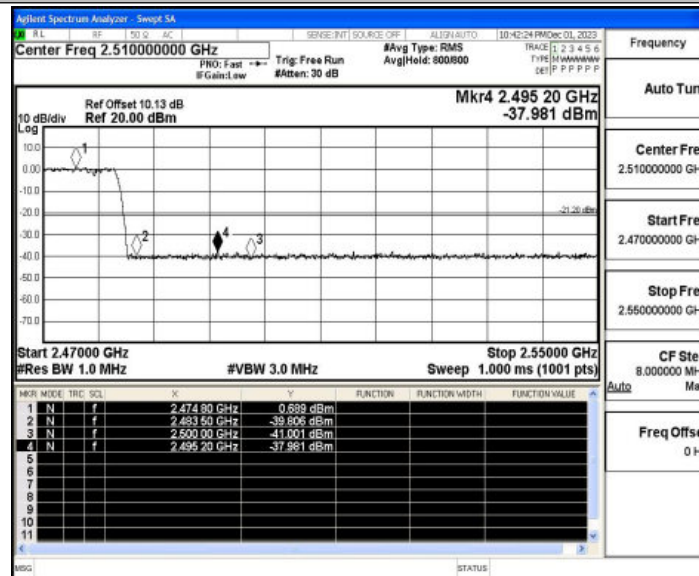
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2DH5_Ant1_High_Hop_2480_Peak



3DH5_Ant1_Low_2402_AV

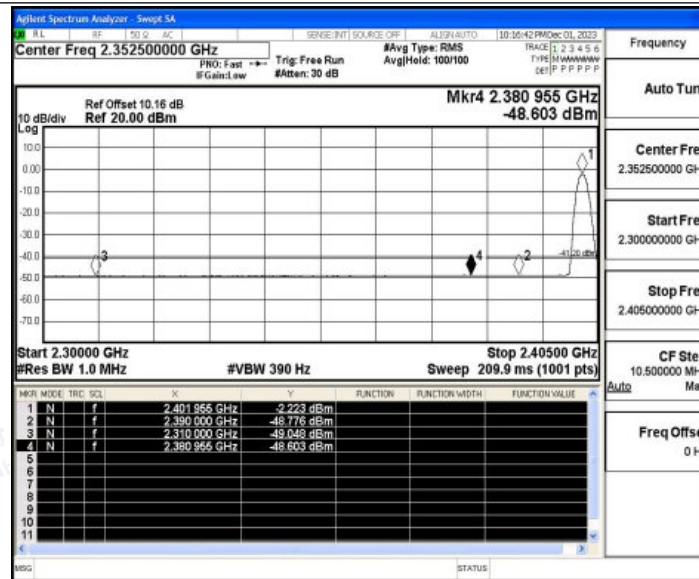


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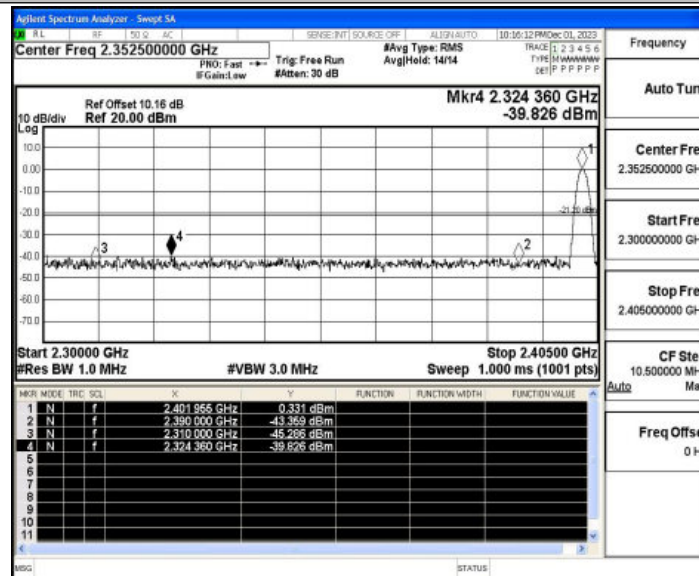
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3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV

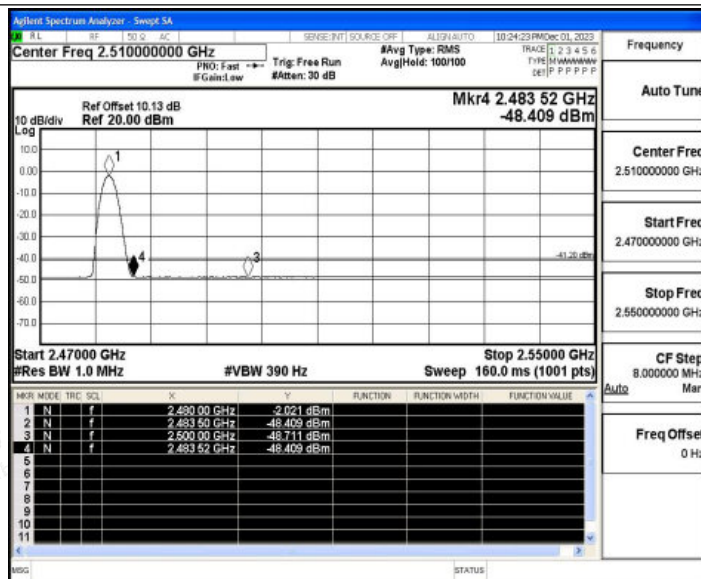


Shenzhen LCS Compliance Testing Laboratory Ltd.

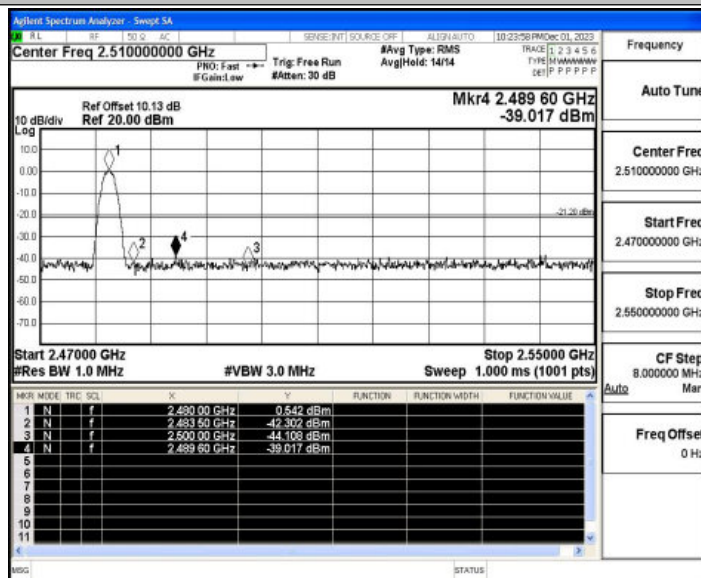
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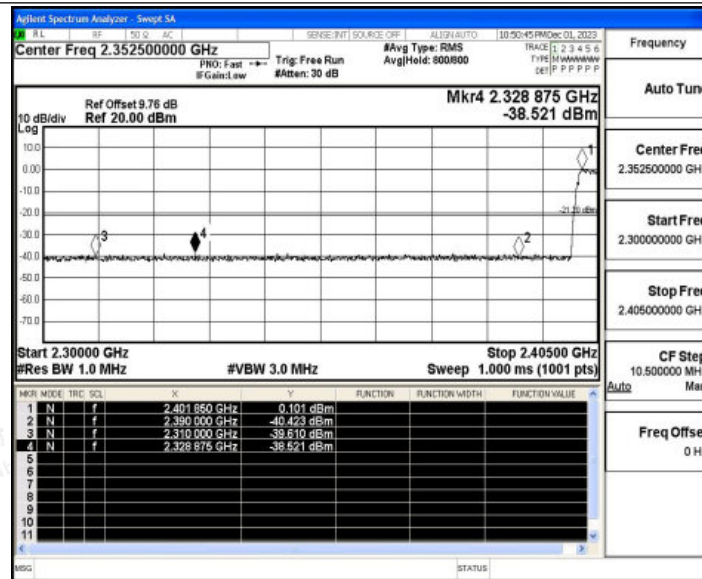


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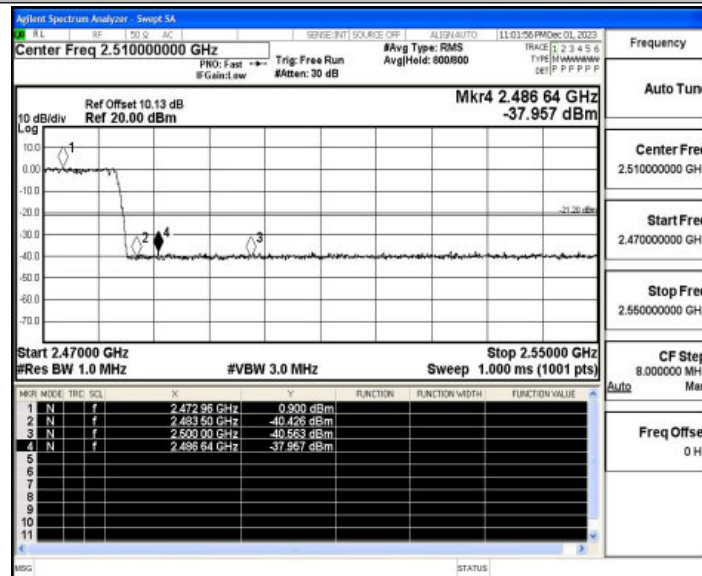
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