



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Portable Outdoor Speaker

Test Model: Mirtune C2

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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A.1 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.020	2401.475	2402.495	---	---
		2441	1.017	2440.469	2441.486	---	---
		2480	0.972	2479.517	2480.489	---	---
2DH5	Ant1	2402	1.287	2401.355	2402.642	---	---
		2441	1.281	2440.355	2441.636	---	---
		2480	1.287	2479.355	2480.642	---	---
3DH5	Ant1	2402	1.308	2401.337	2402.645	---	---
		2441	1.305	2440.337	2441.642	---	---
		2480	1.269	2479.343	2480.612	---	---

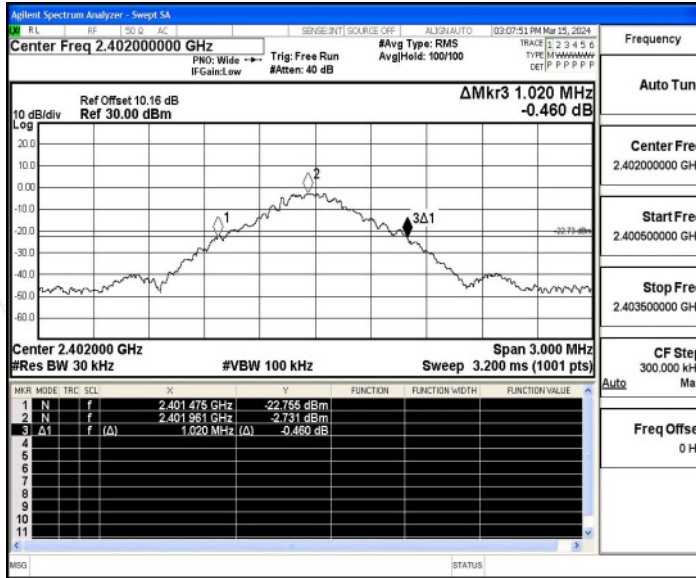


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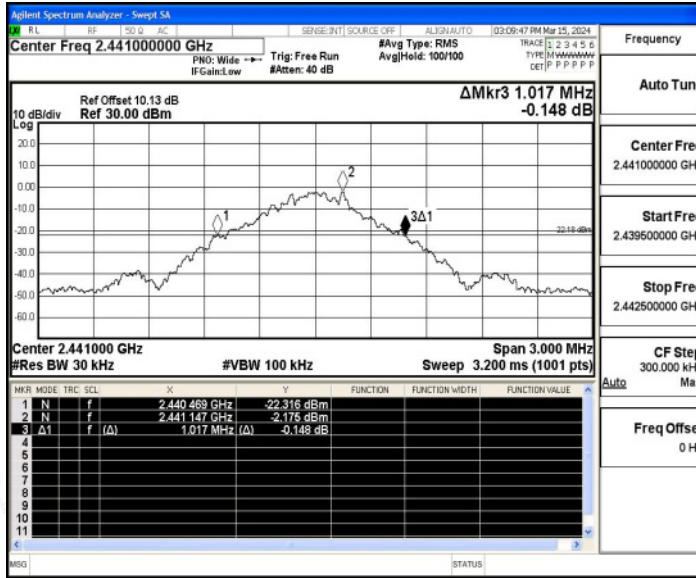


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

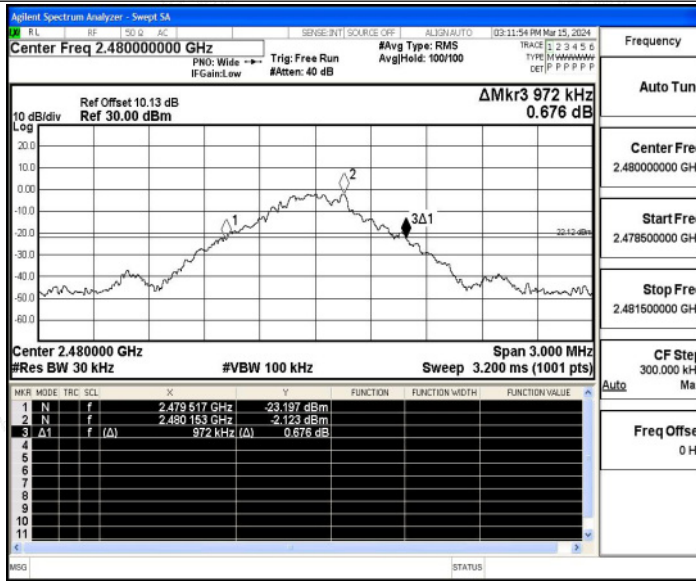


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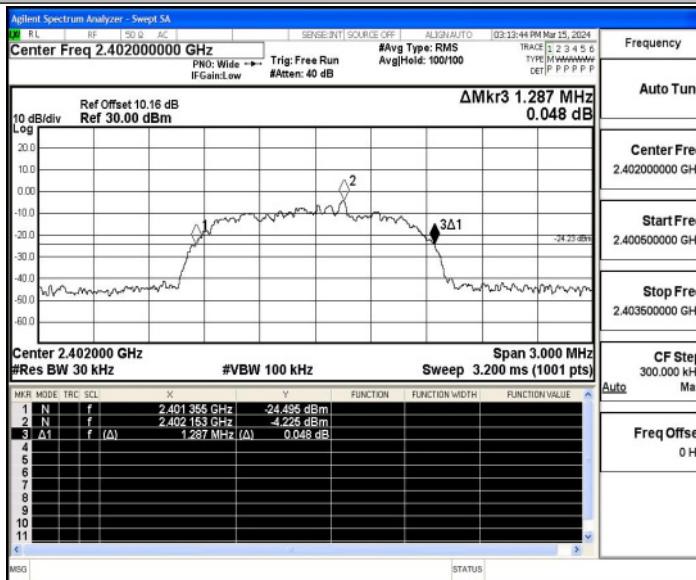
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2DH5_Ant1_2402



2DH5_Ant1_2441

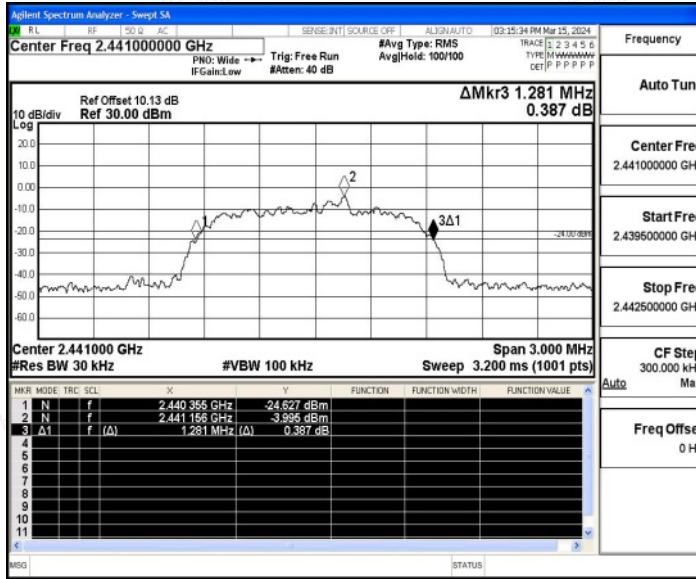


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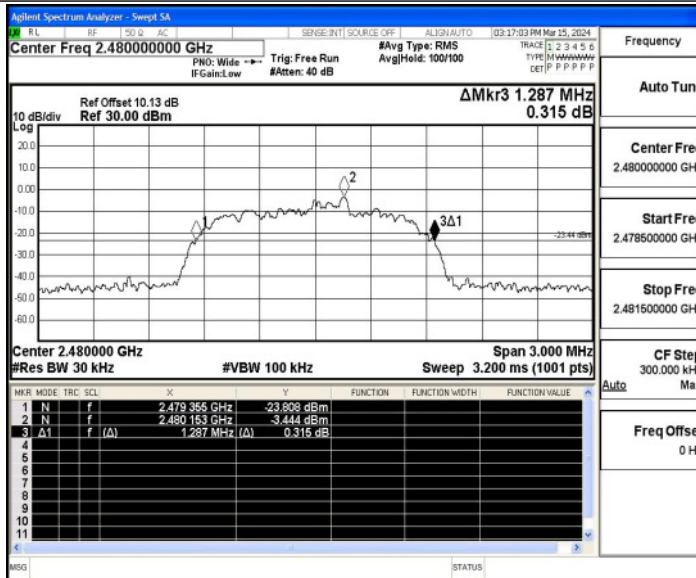
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2DH5_Ant1_2480



3DH5_Ant1_2402

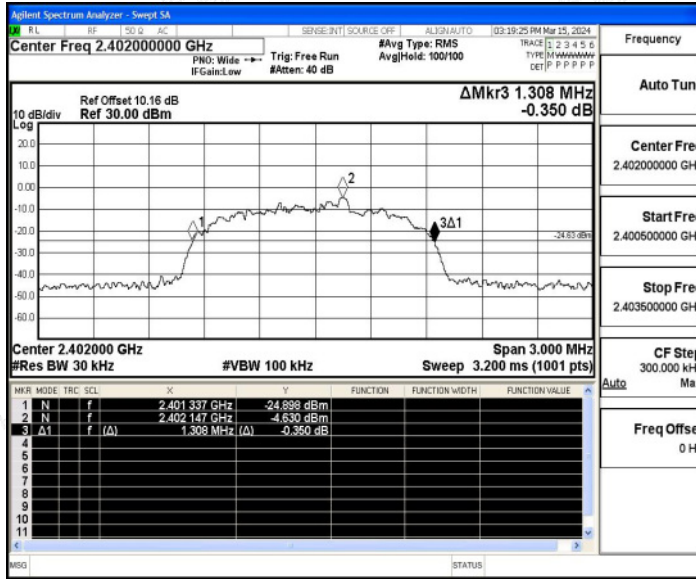


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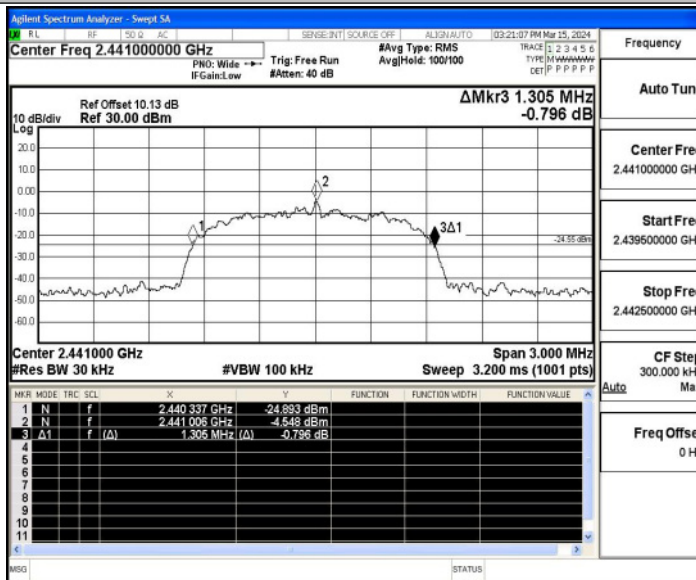
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3DH5_Ant1_2441



3DH5_Ant1_2480

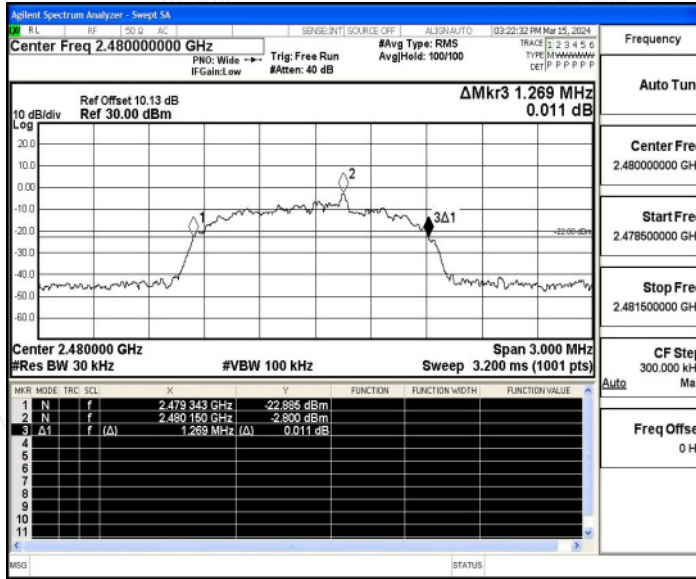


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A.2 Maximum Peak conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.45	≤20.97	PASS
		2441	0.74	≤20.97	PASS
		2480	0.82	≤20.97	PASS
2DH5	Ant1	2402	0.15	≤20.97	PASS
		2441	0.45	≤20.97	PASS
		2480	0.60	≤20.97	PASS
3DH5	Ant1	2402	0.40	≤20.97	PASS
		2441	0.56	≤20.97	PASS
		2480	0.64	≤20.97	PASS



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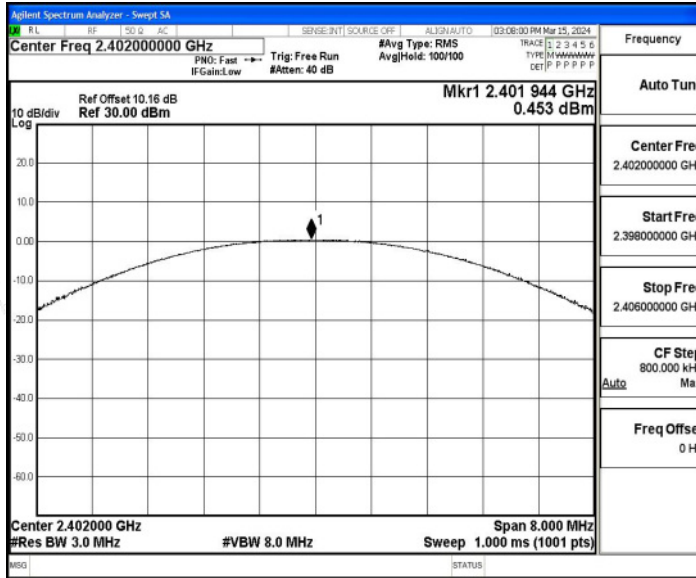
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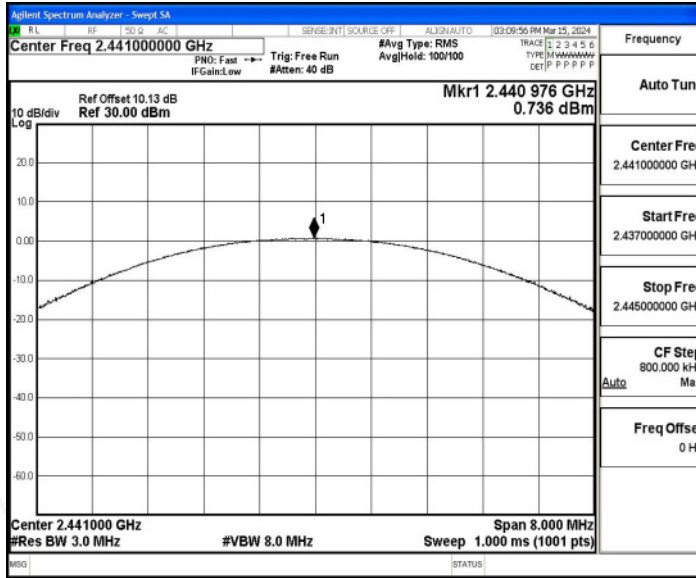


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

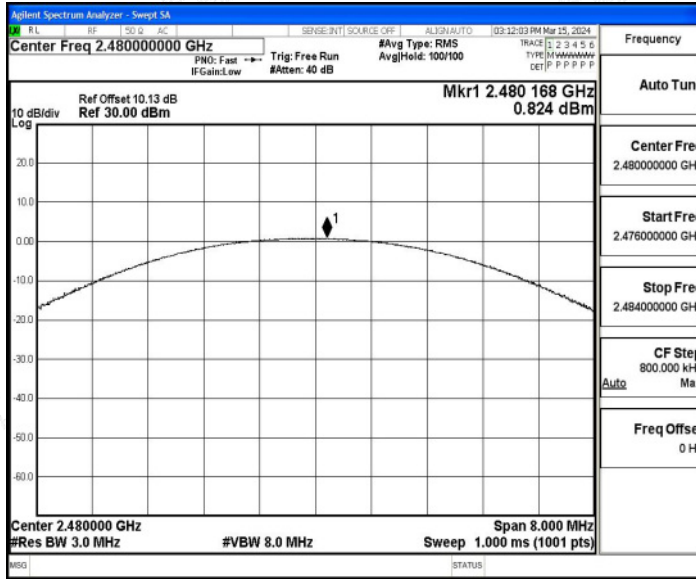


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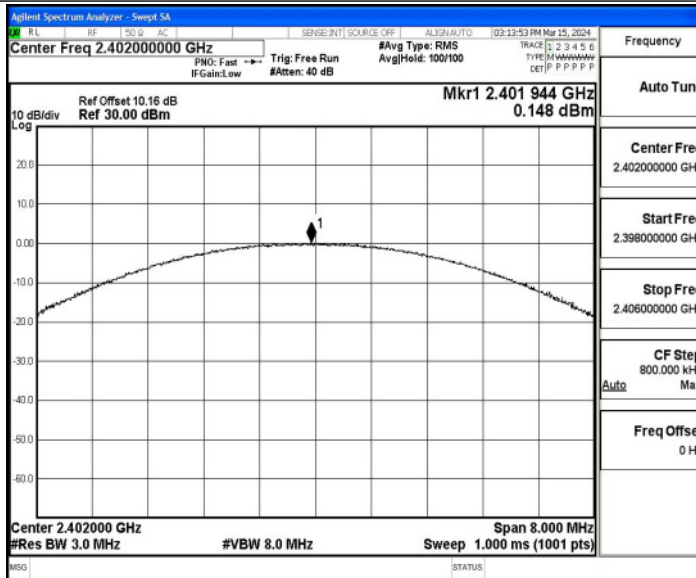
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2DH5_Ant1_2402



2DH5_Ant1_2441

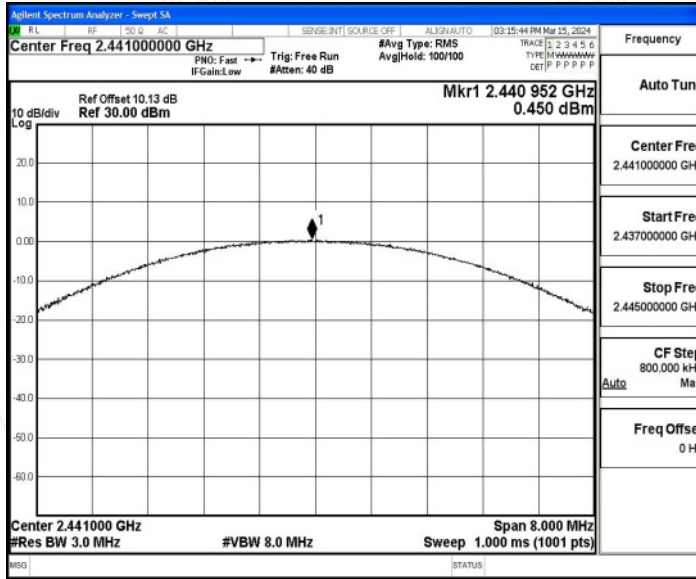


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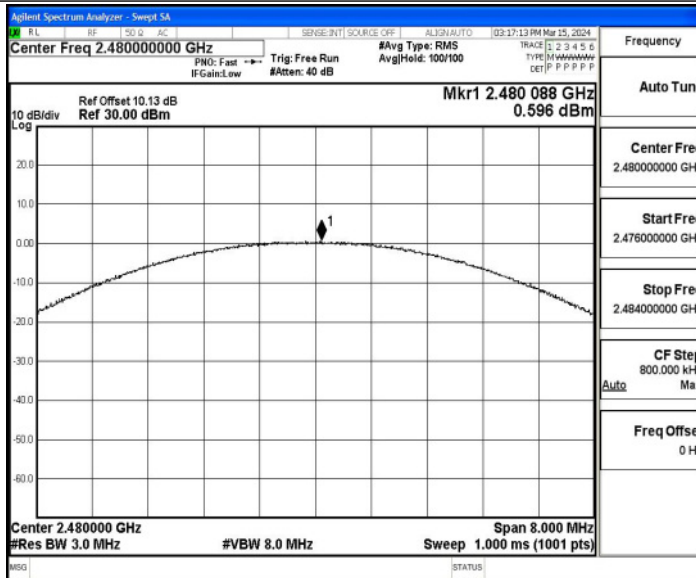
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2DH5_Ant1_2480



3DH5_Ant1_2402

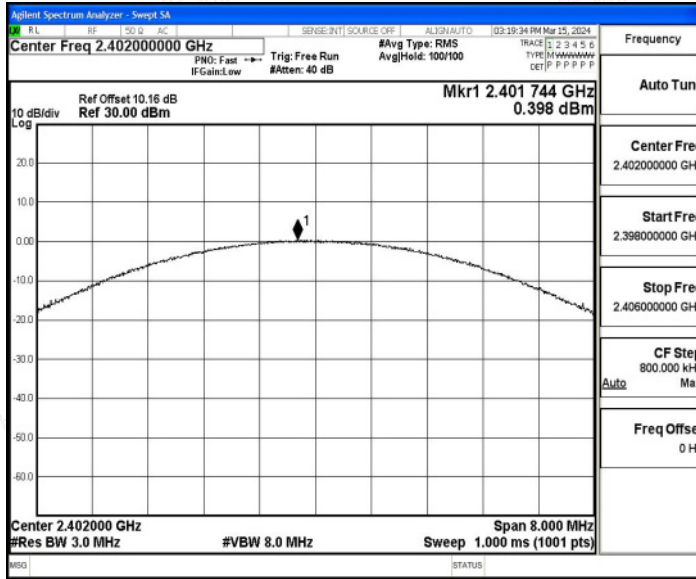


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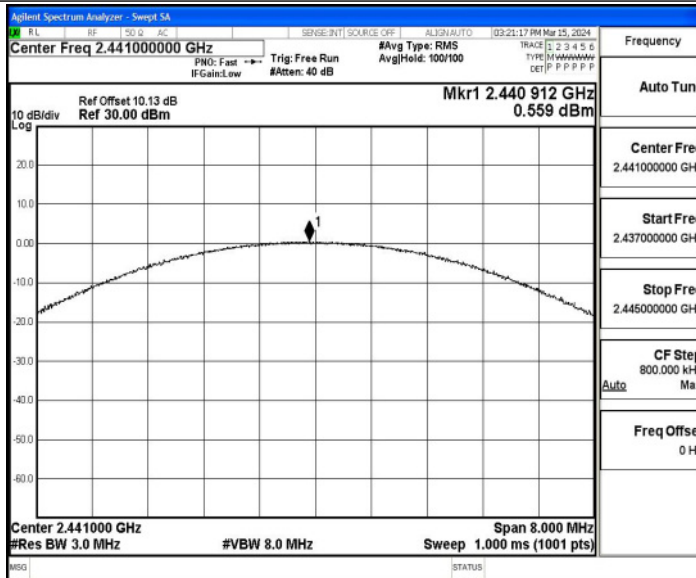
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3DH5_Ant1_2441



3DH5_Ant1_2480

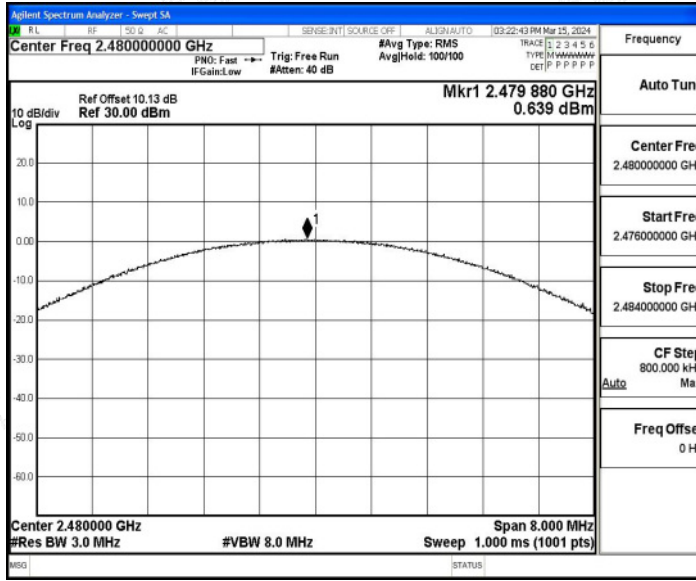


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A.3 Carrier frequency separation

Test Result

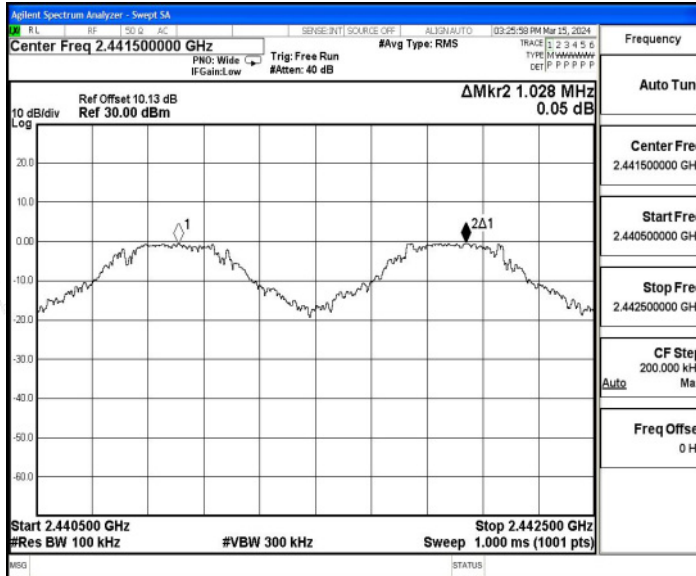
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.028	≥1.020	PASS
2DH5	Ant1	Hop	0.956	≥0.858	PASS
3DH5	Ant1	Hop	0.994	≥0.872	PASS



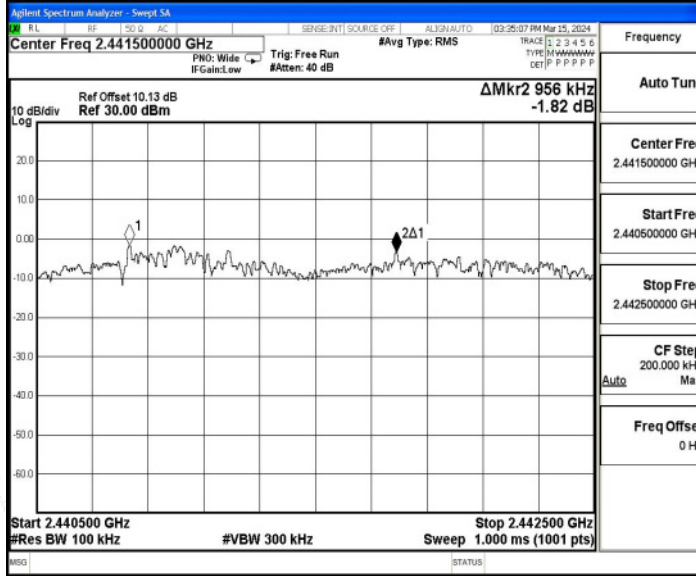


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

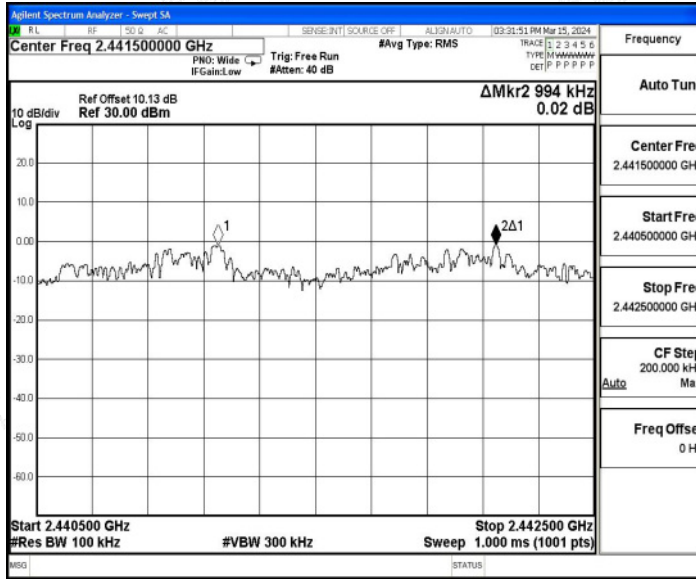


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A.4 Time of occupancy

Test Result

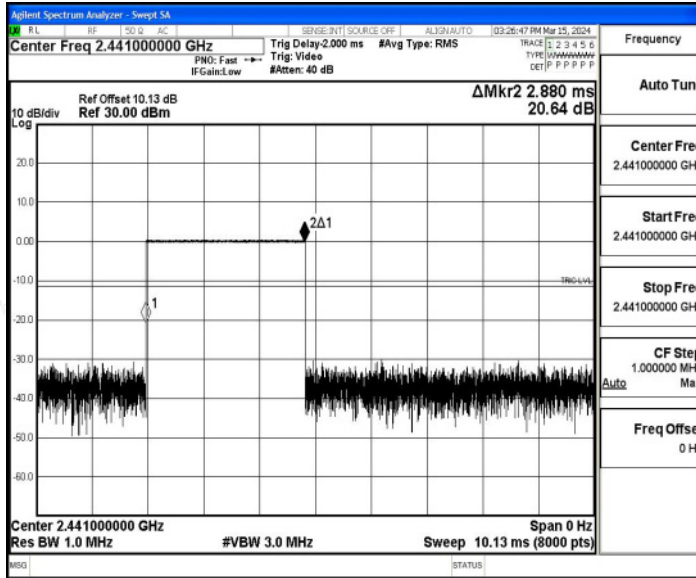
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS



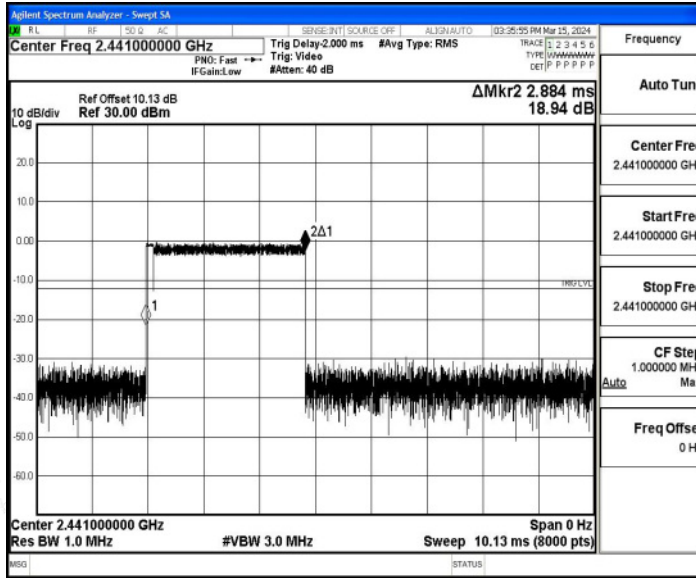


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

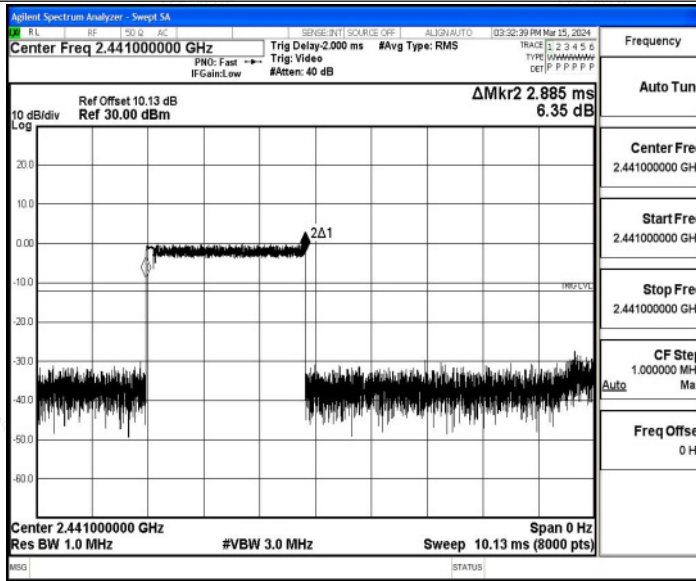


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A.5 Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	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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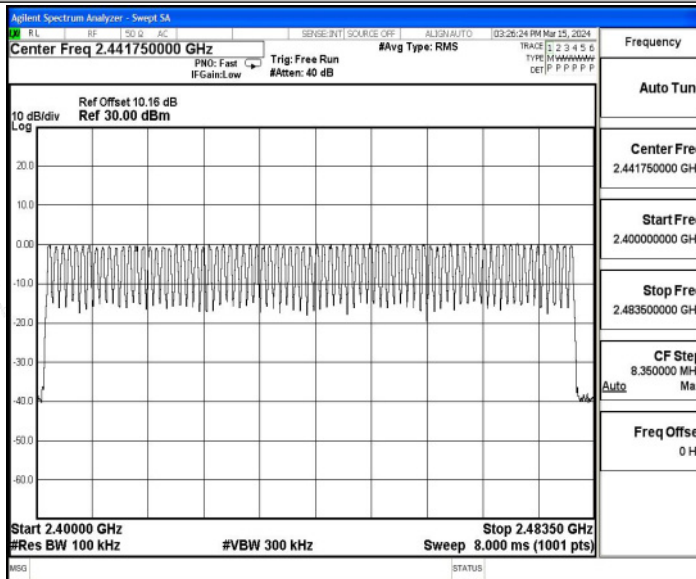
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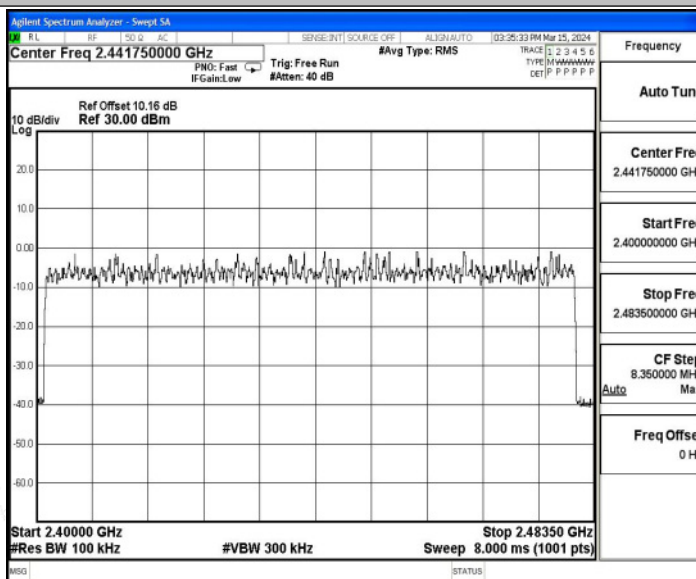


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

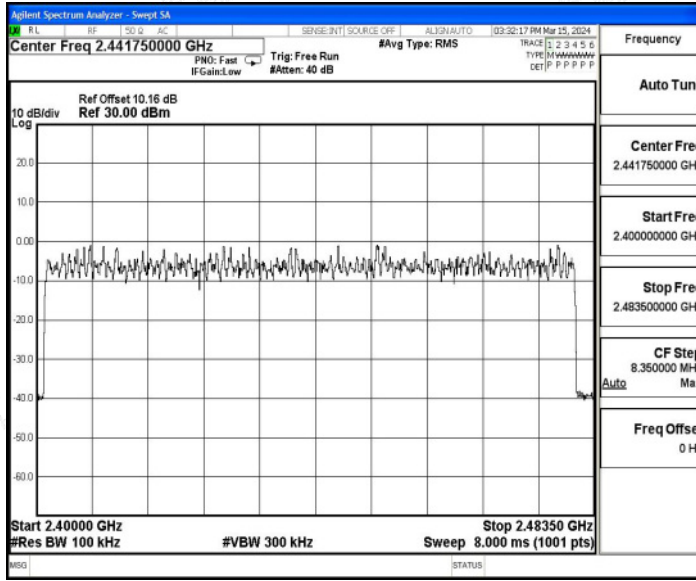


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.72	-48.62	≤-20.72	PASS
		High	2480	-0.39	-48.18	≤-20.39	PASS
		Low	Hop_2402	-0.55	-48	≤-20.55	PASS
		High	Hop_2480	0.07	-47.23	≤-19.94	PASS
2DH5	Ant1	Low	2402	-1.94	-48.81	≤-21.94	PASS
		High	2480	-0.97	-48.39	≤-20.97	PASS
		Low	Hop_2402	-1.65	-47.58	≤-21.65	PASS
		High	Hop_2480	-1.70	-47.26	≤-21.7	PASS
3DH5	Ant1	Low	2402	-1.99	-49.11	≤-21.99	PASS
		High	2480	-0.73	-48.45	≤-20.73	PASS
		Low	Hop_2402	-1.54	-48.15	≤-21.54	PASS
		High	Hop_2480	-2.30	-46.84	≤-22.3	PASS



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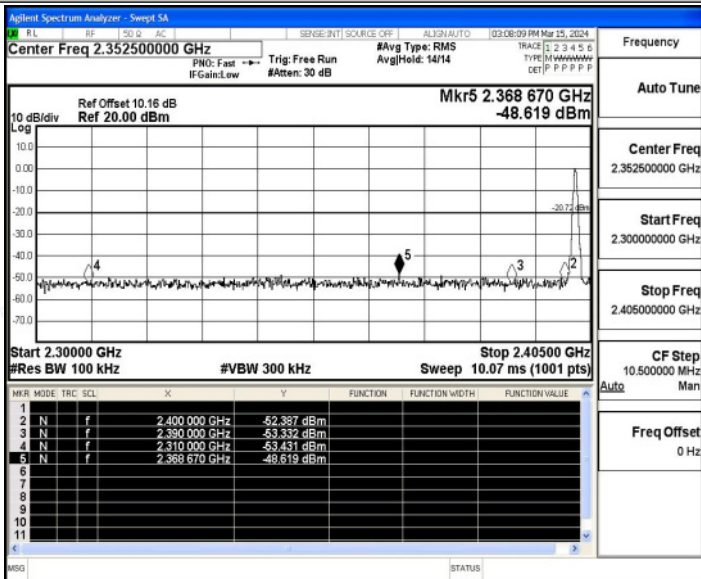
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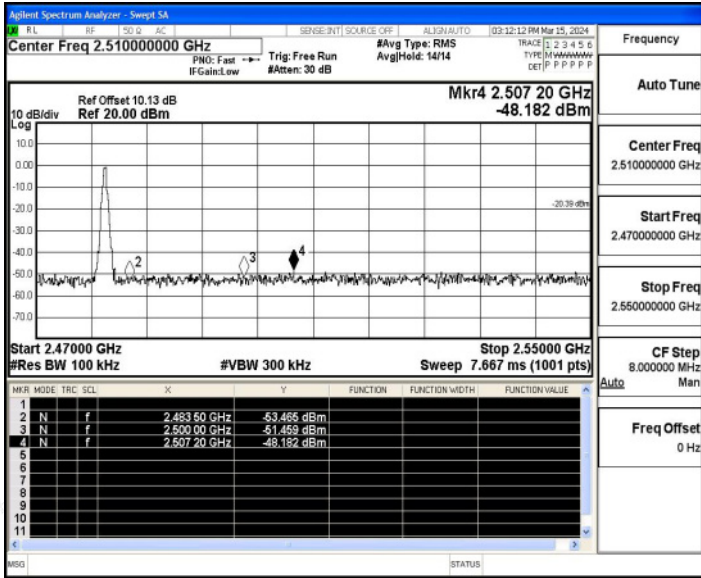


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

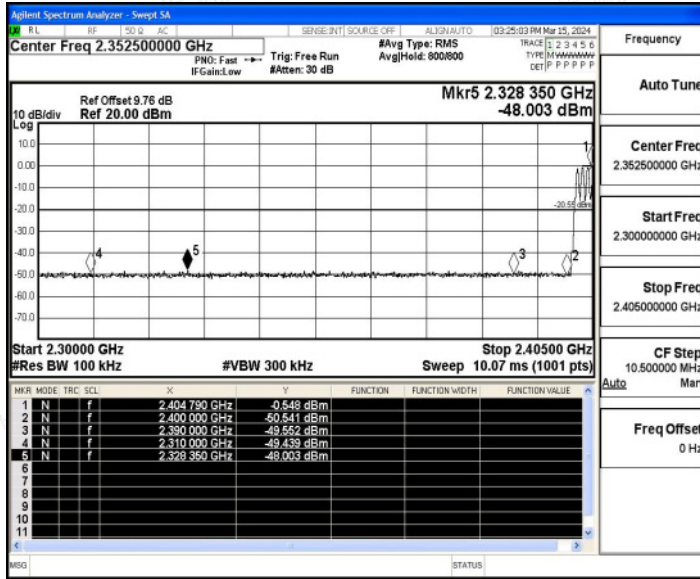


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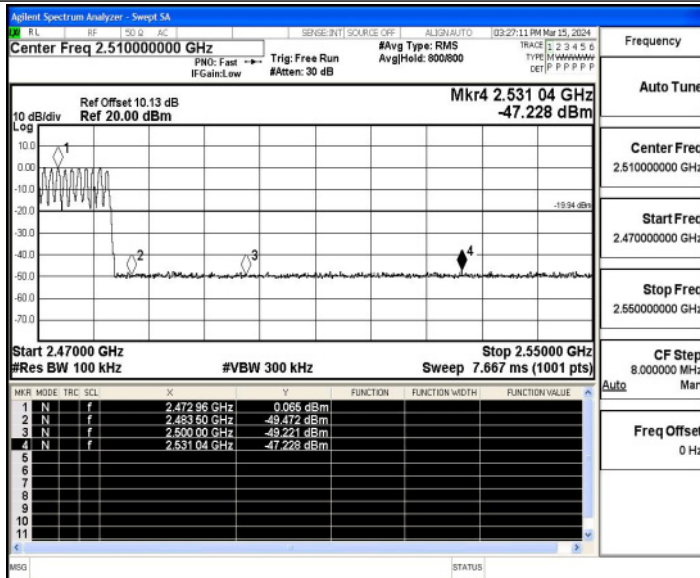
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

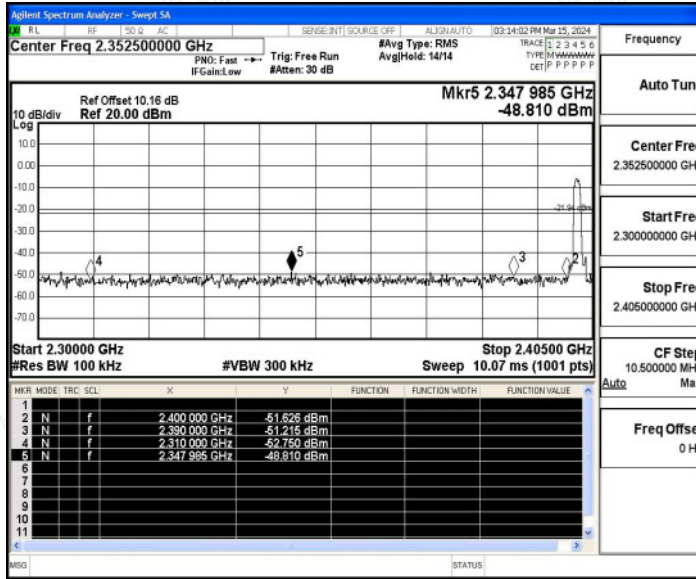


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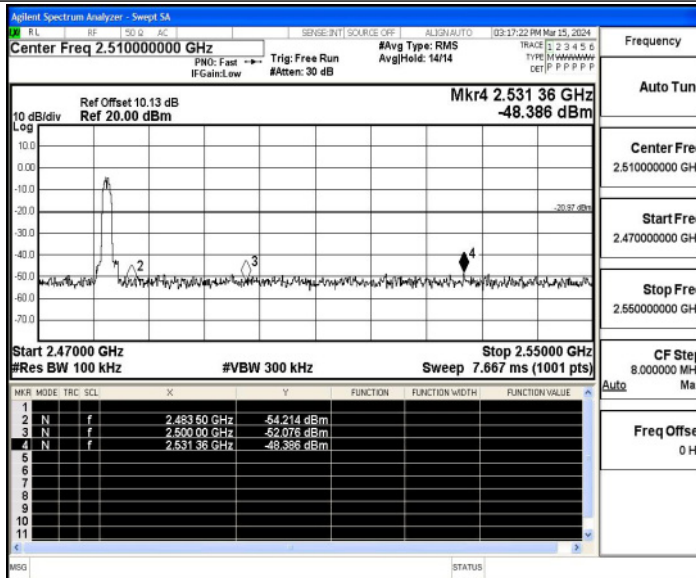
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

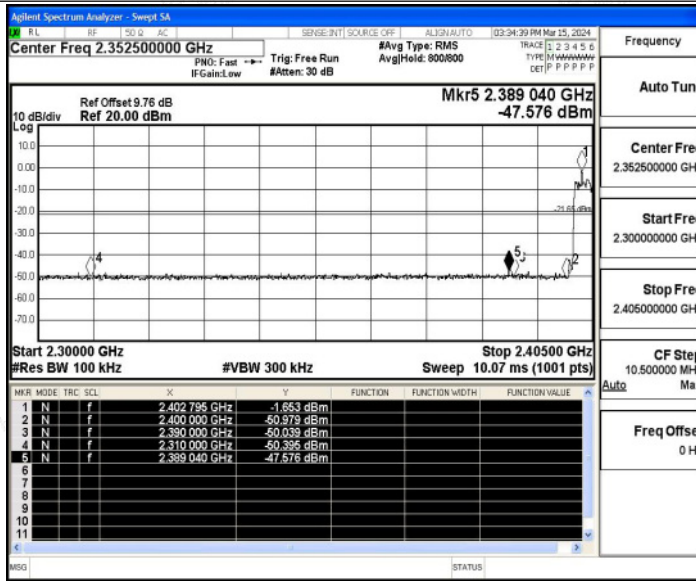


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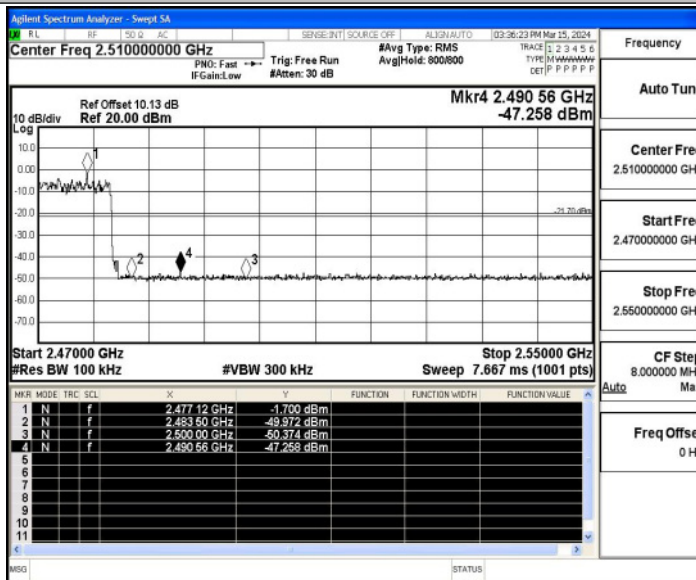
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

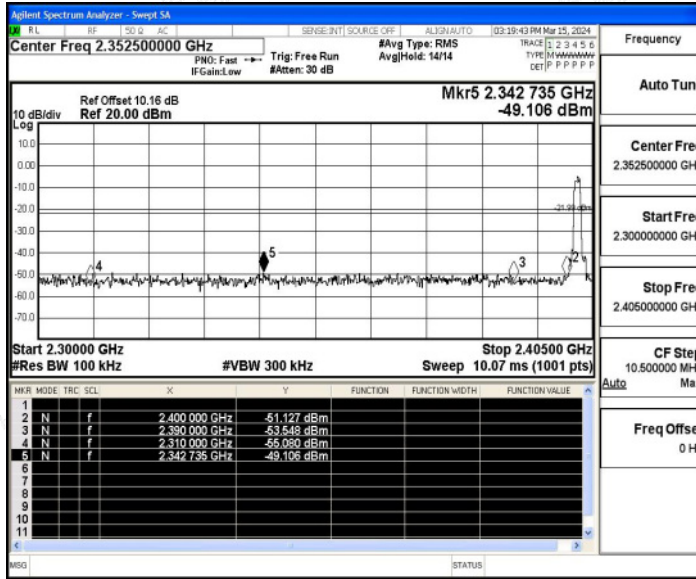


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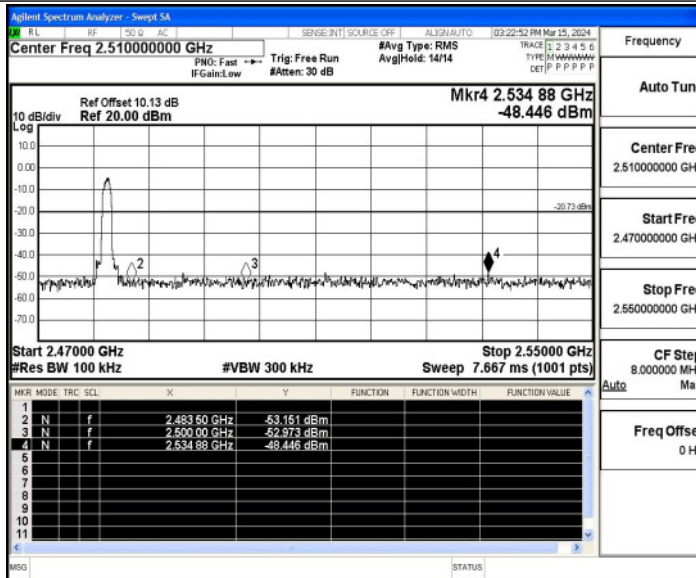
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

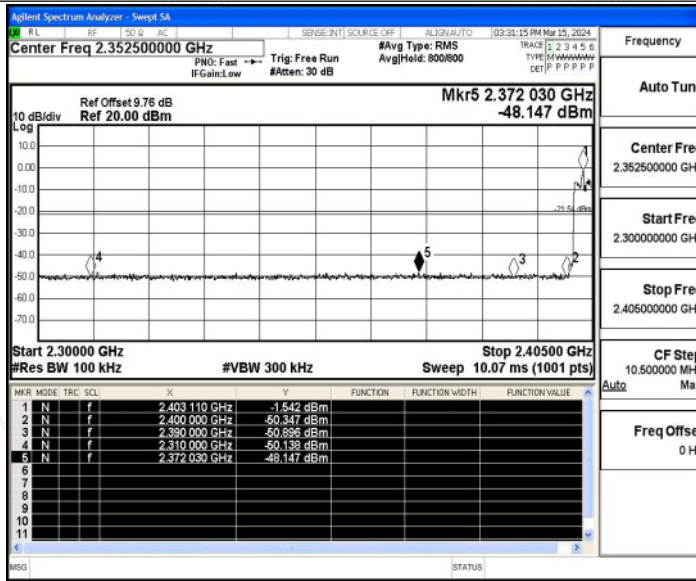


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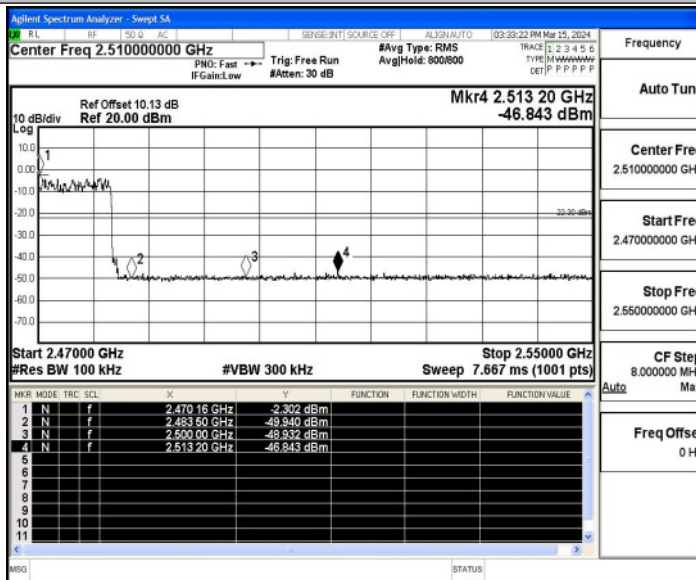
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3DH5_Ant1_High_Hop_2480



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A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~1000	-0.72	-53.96	≤-20.72	PASS
			1000~26500	-0.72	-47.08	≤-20.72	PASS
		2441	30~1000	0.01	-56.49	≤-19.99	PASS
			1000~26500	0.01	-46.59	≤-19.99	PASS
		2480	30~1000	-0.39	-55.49	≤-20.39	PASS
			1000~26500	-0.39	-47.34	≤-20.39	PASS
2DH5	Ant1	2402	30~1000	-1.94	-51.9	≤-21.94	PASS
			1000~26500	-1.94	-47.41	≤-21.94	PASS
		2441	30~1000	-1.49	-51.48	≤-21.49	PASS
			1000~26500	-1.49	-39.9	≤-21.49	PASS
		2480	30~1000	-0.97	-55.09	≤-20.97	PASS
			1000~26500	-0.97	-47.58	≤-20.97	PASS
3DH5	Ant1	2402	30~1000	-1.99	-57.4	≤-21.99	PASS
			1000~26500	-1.99	-47.08	≤-21.99	PASS
		2441	30~1000	-0.90	-55.59	≤-20.9	PASS
			1000~26500	-0.90	-47.5	≤-20.9	PASS
		2480	30~1000	-0.73	-57.58	≤-20.73	PASS
			1000~26500	-0.73	-47.22	≤-20.73	PASS



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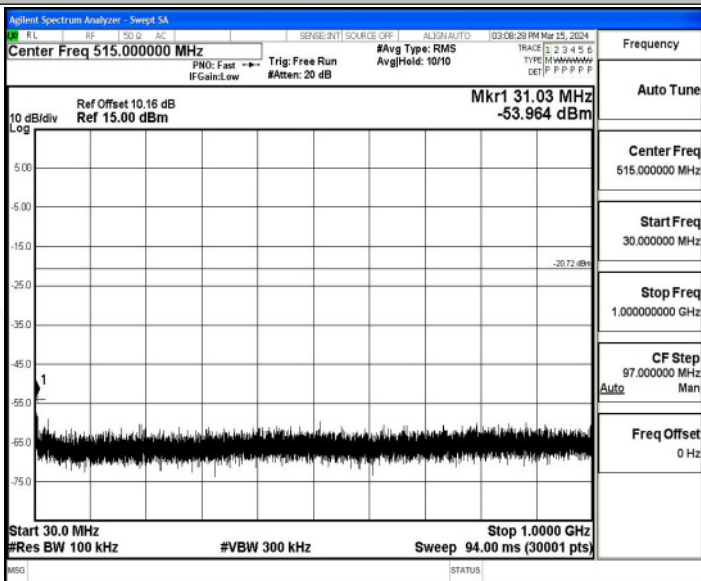
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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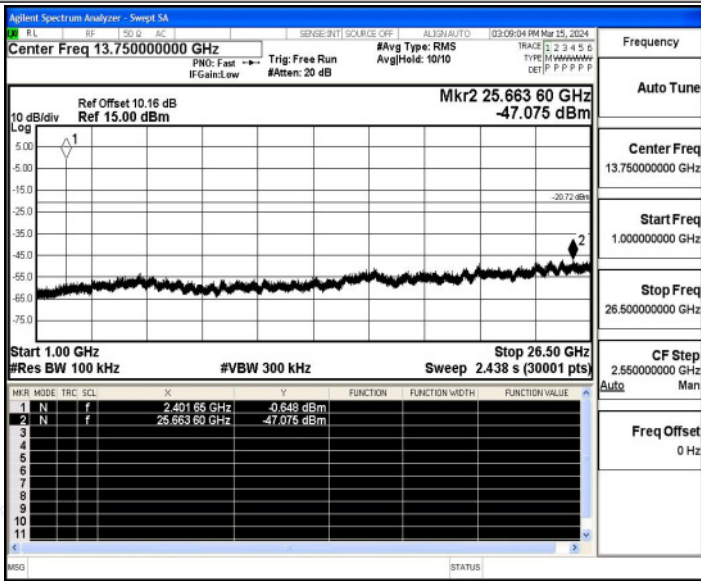


Test Graphs

DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_30~1000

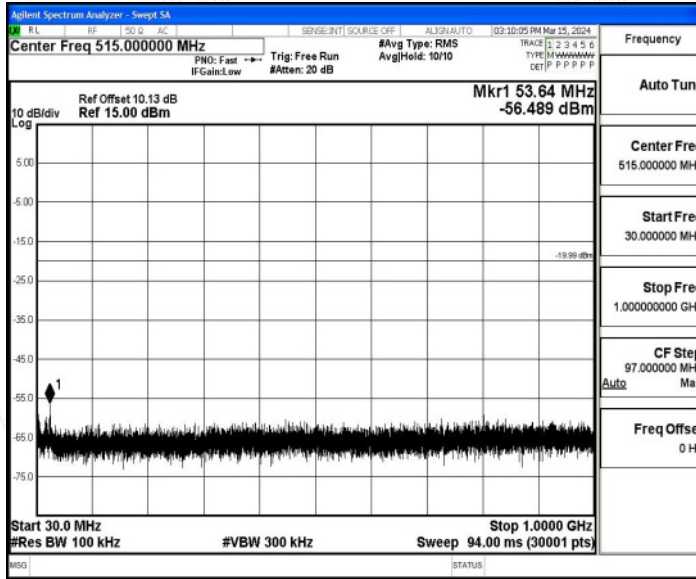


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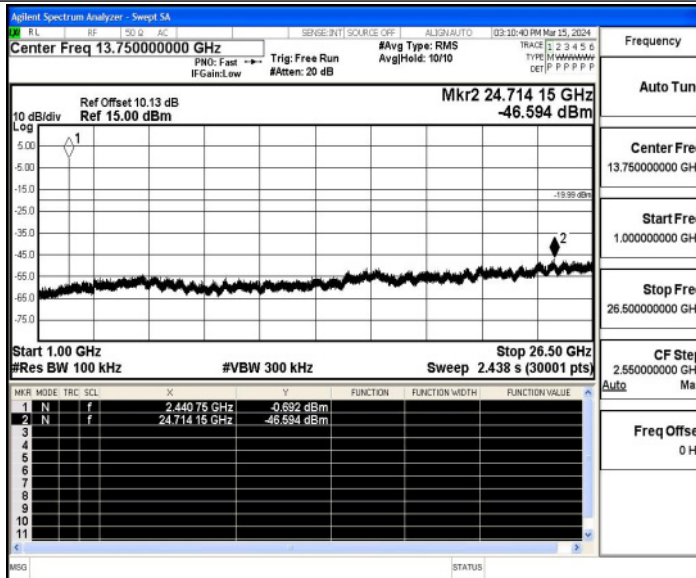
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_30~1000

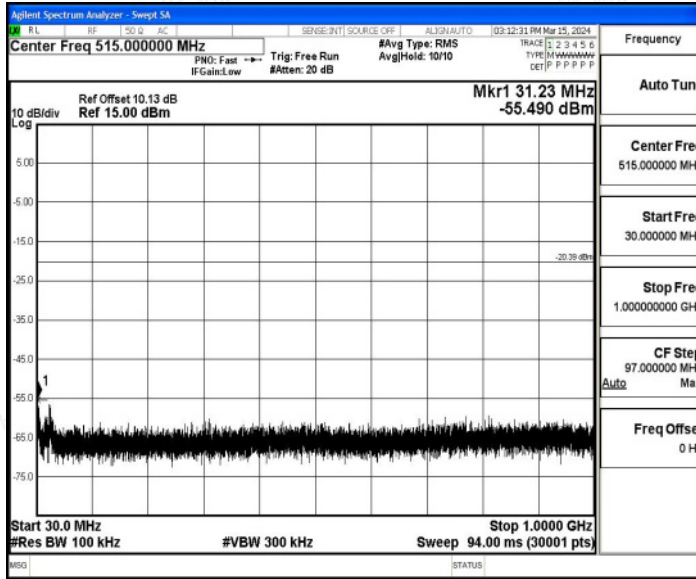


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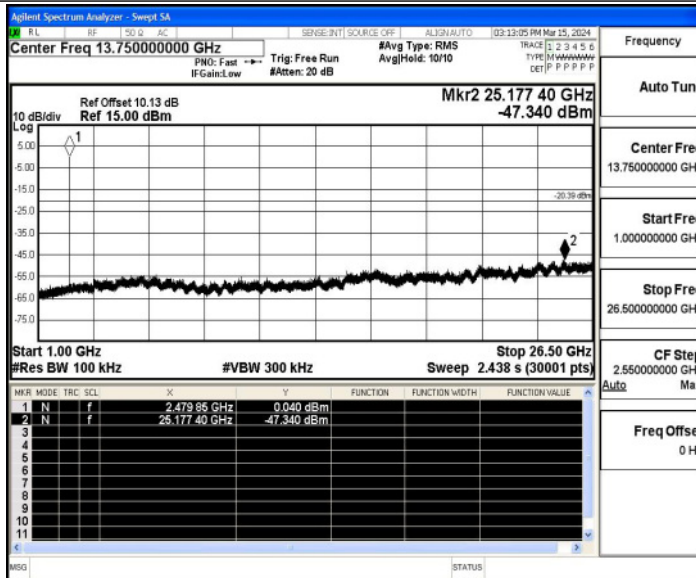
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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_30~1000

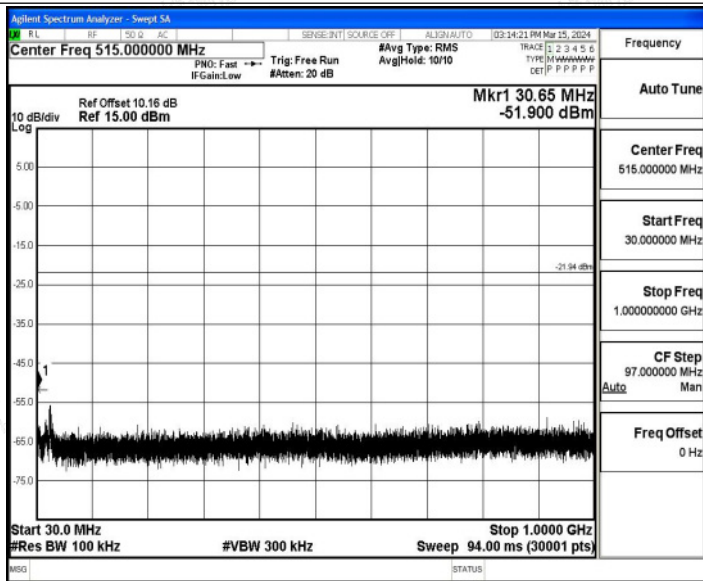


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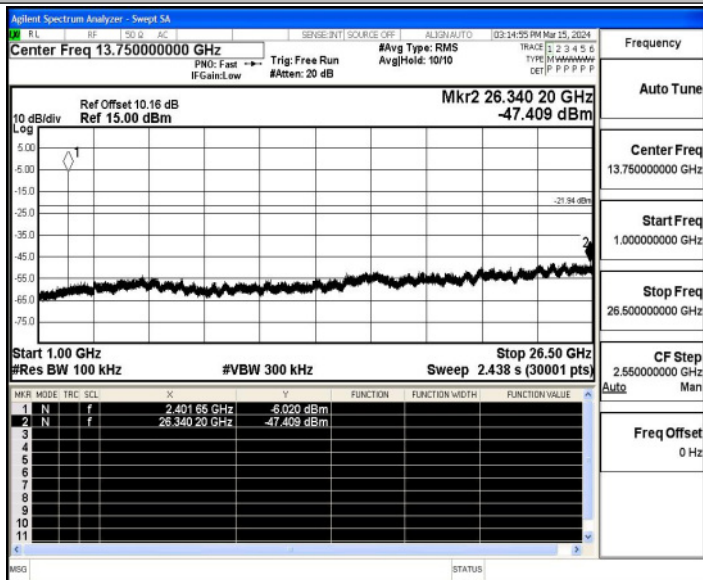
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2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_30~1000

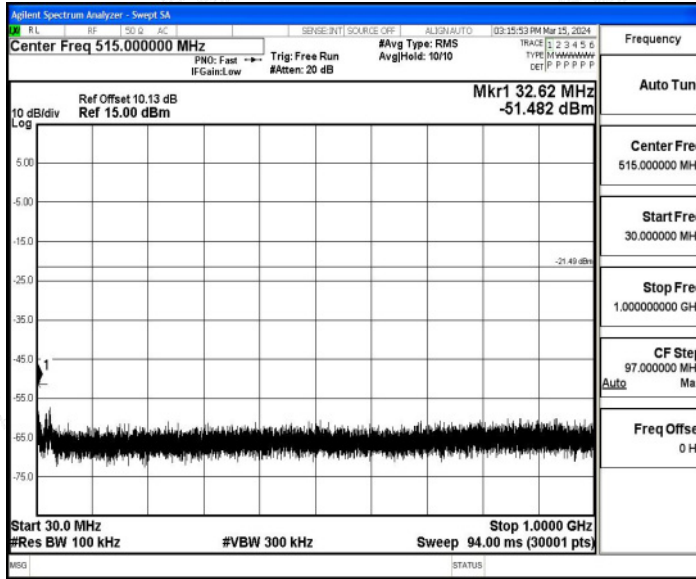


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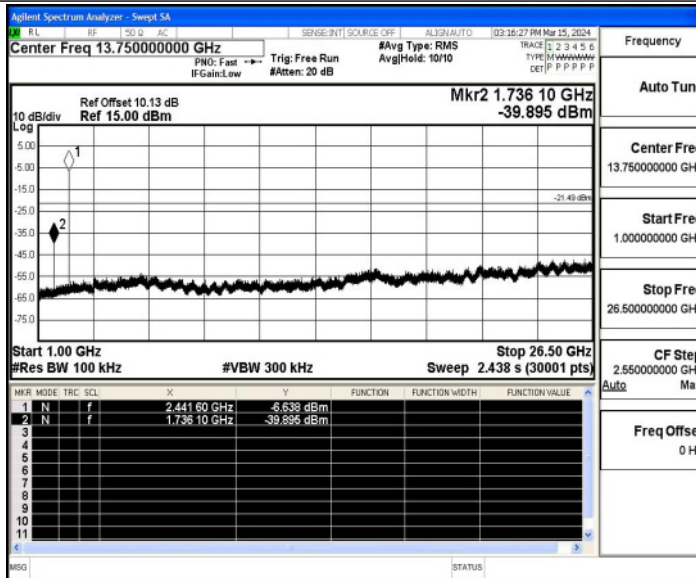
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2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_30~1000



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