



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet PC

Test Model: IX90_CQA1103

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



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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	1.035	2401.460	2402.495	---
		2441	1.026	2440.454	2441.480	---
		2480	1.041	2479.451	2480.492	---
2DH5	Ant1	2402	1.317	2401.325	2402.642	---
		2441	1.326	2440.322	2441.648	---
		2480	1.290	2479.346	2480.636	---
3DH5	Ant1	2402	1.305	2401.334	2402.639	---
		2441	1.302	2440.331	2441.633	---
		2480	1.302	2479.334	2480.636	---

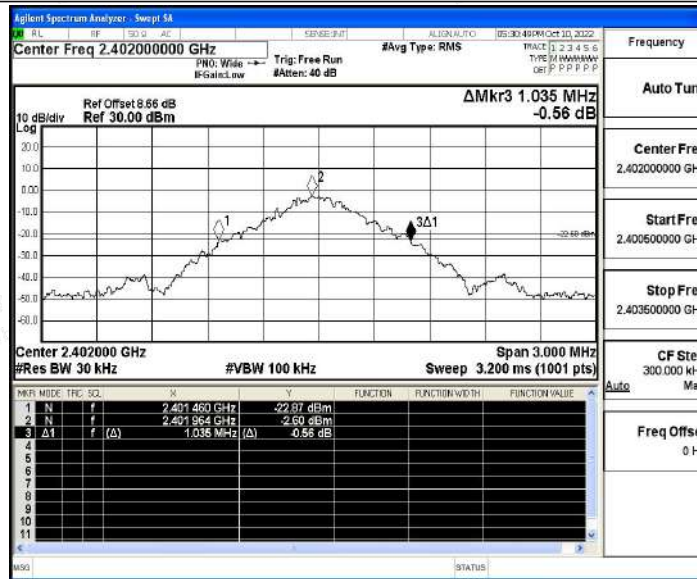


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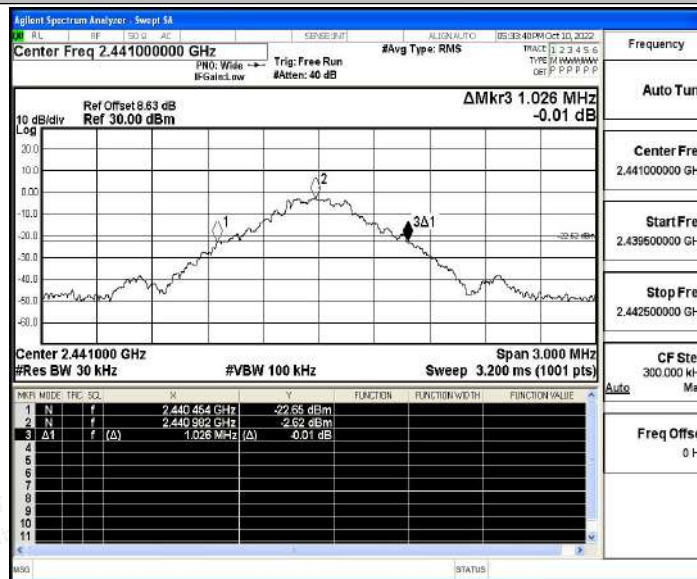


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

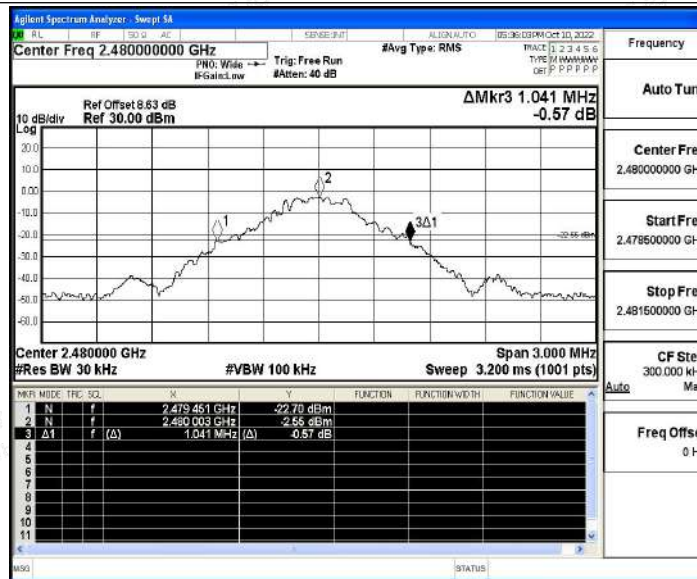


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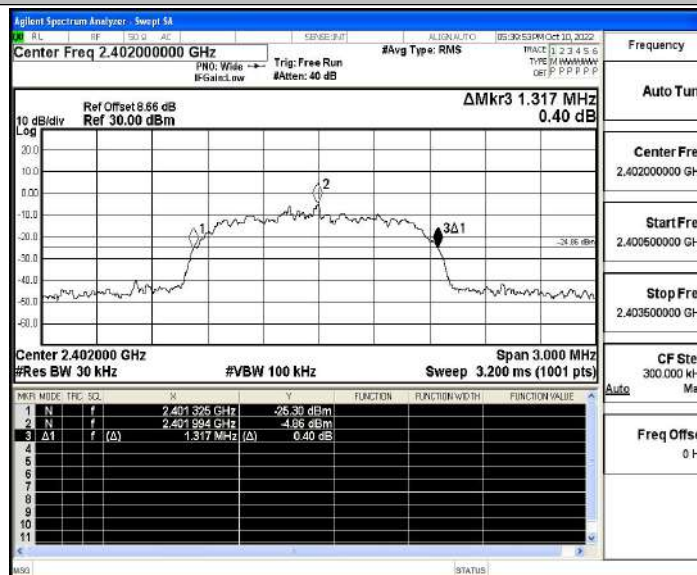
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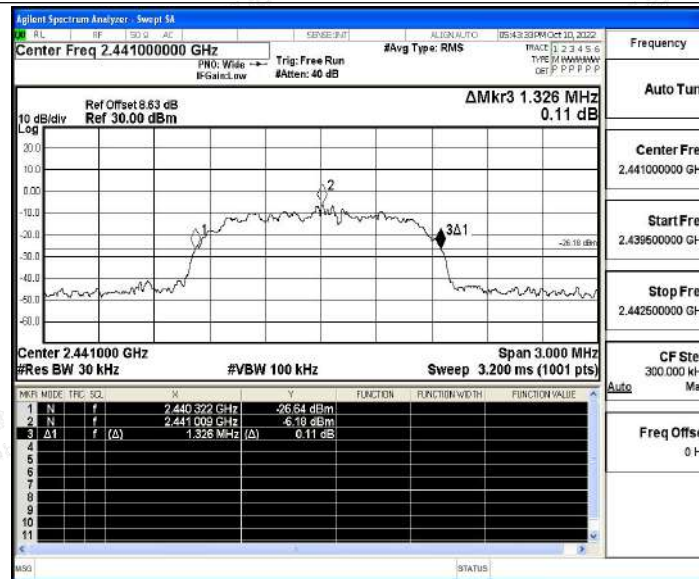


2DH5_Ant1_2402

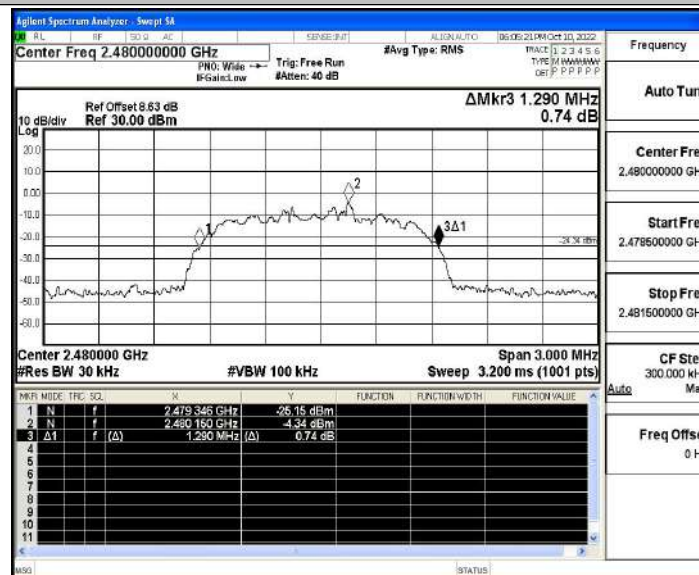


2DH5_Ant1_2441





2DH5_Ant1_2480



3DH5_Ant1_2402

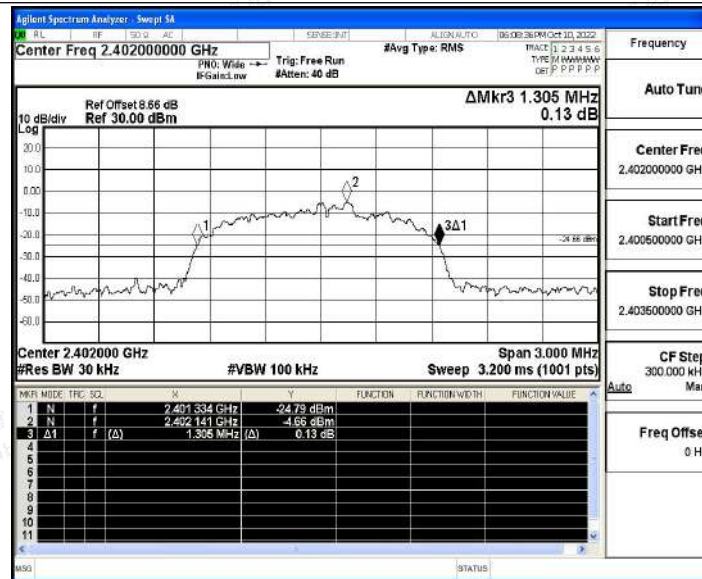


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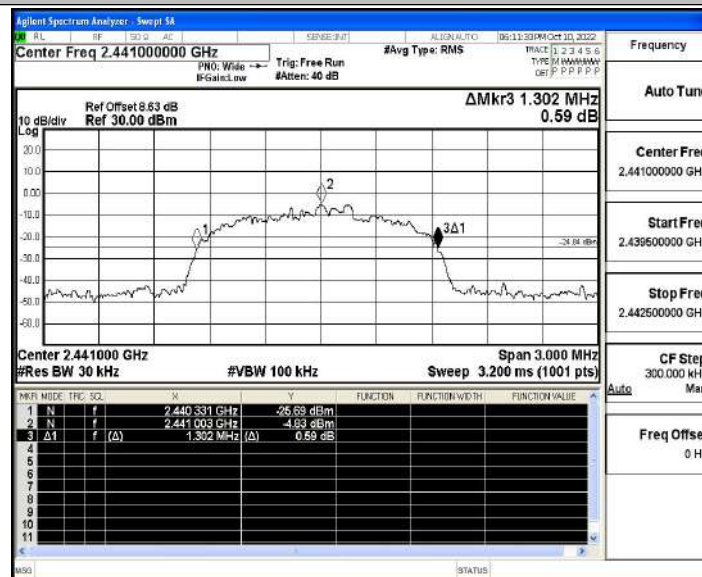
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3DH5_Ant1_2441



3DH5_Ant1_2480

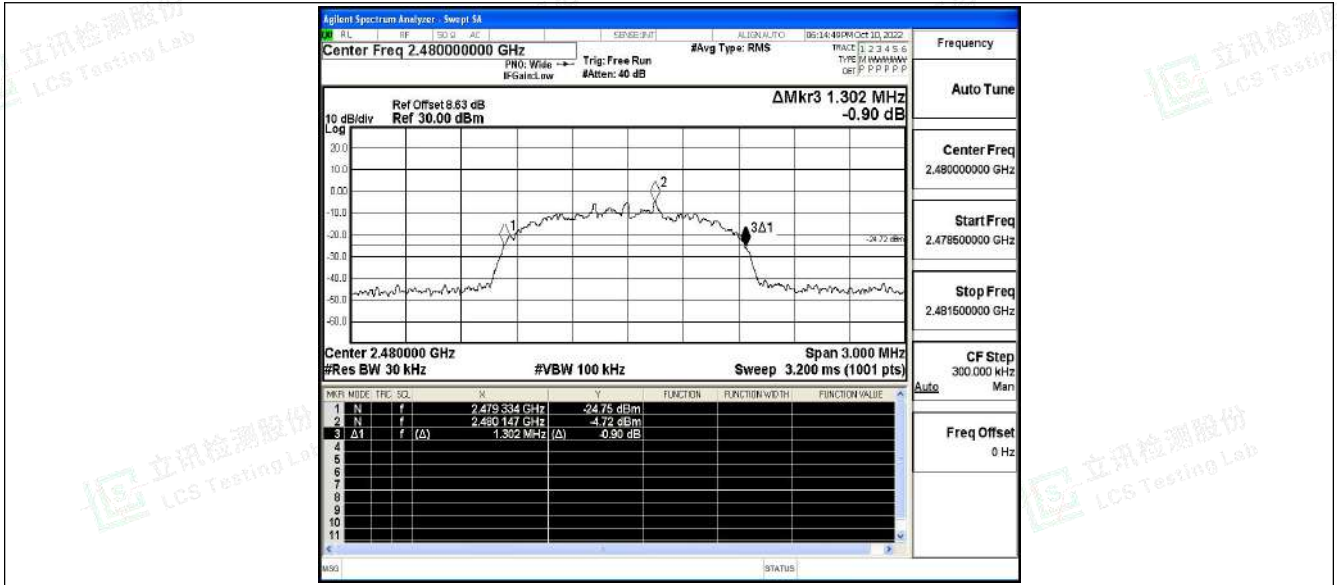


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A.2 Maximum conducted output power

Test Result

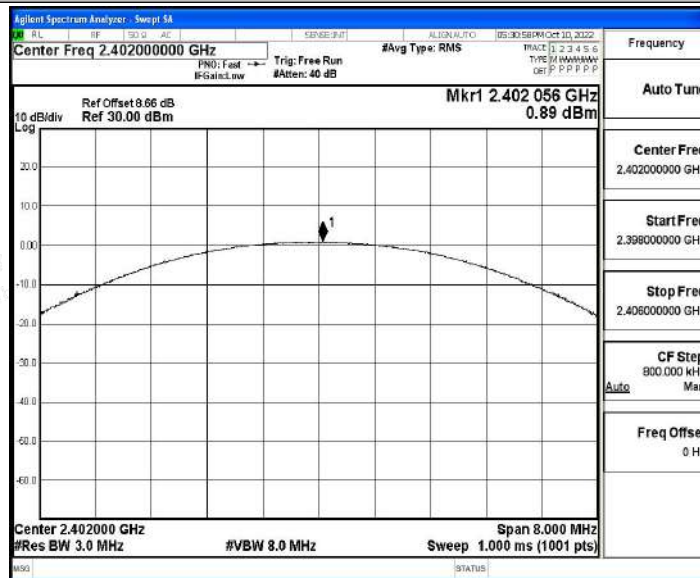
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.89	≤20.97	PASS
		2441	0.69	≤20.97	PASS
		2480	0.58	≤20.97	PASS
2DH5	Ant1	2402	0.26	≤20.97	PASS
		2441	0.29	≤20.97	PASS
		2480	0.19	≤20.97	PASS
3DH5	Ant1	2402	0.37	≤20.97	PASS
		2441	0.32	≤20.97	PASS
		2480	0.21	≤20.97	PASS



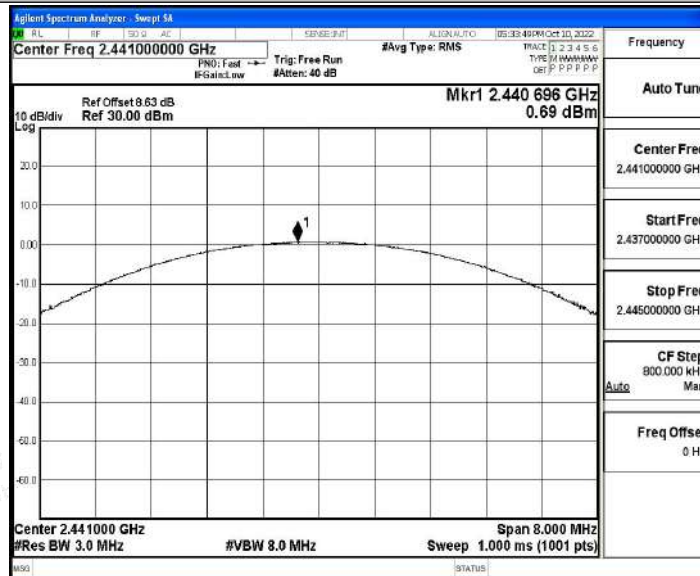


Test Graphs

DH5_Ant1_2402

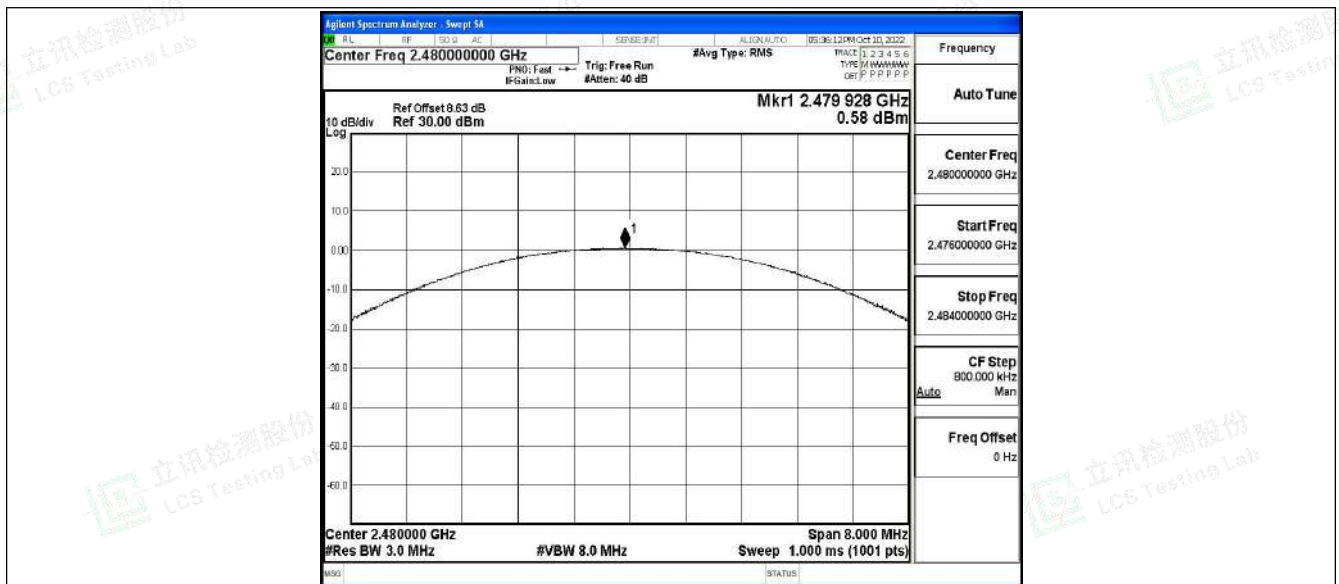


DH5_Ant1_2441

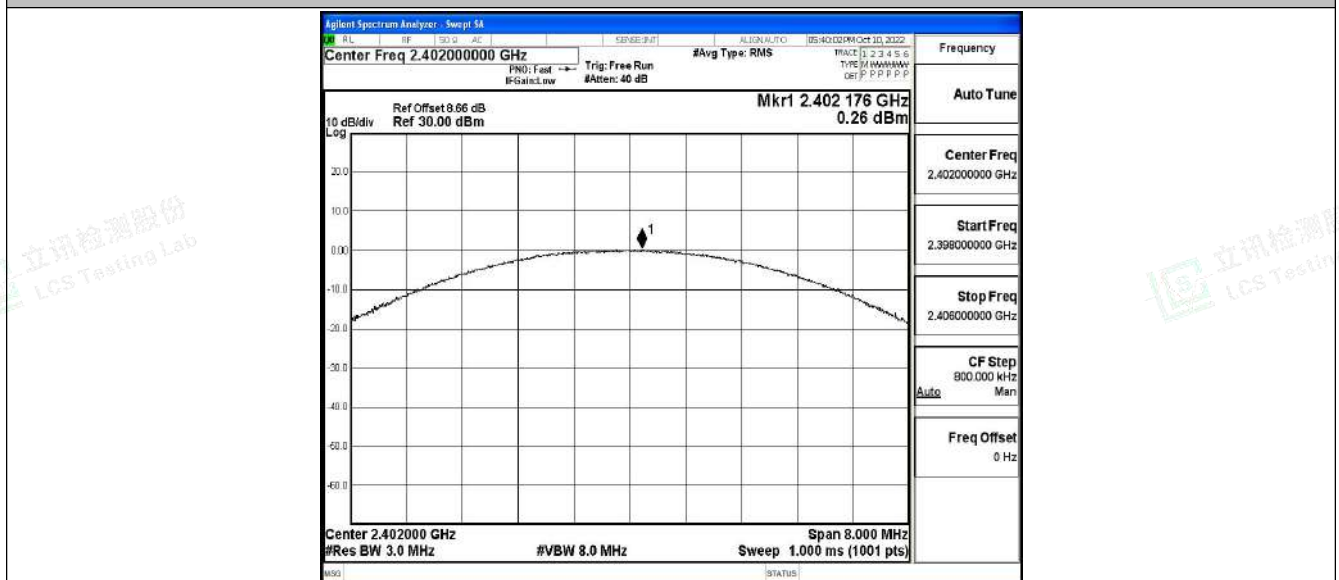


DH5_Ant1_2480



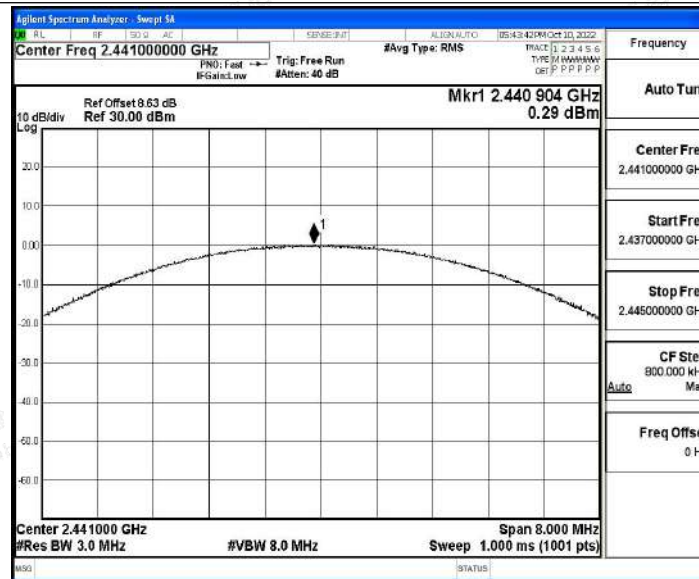


2DH5_Ant1_2402

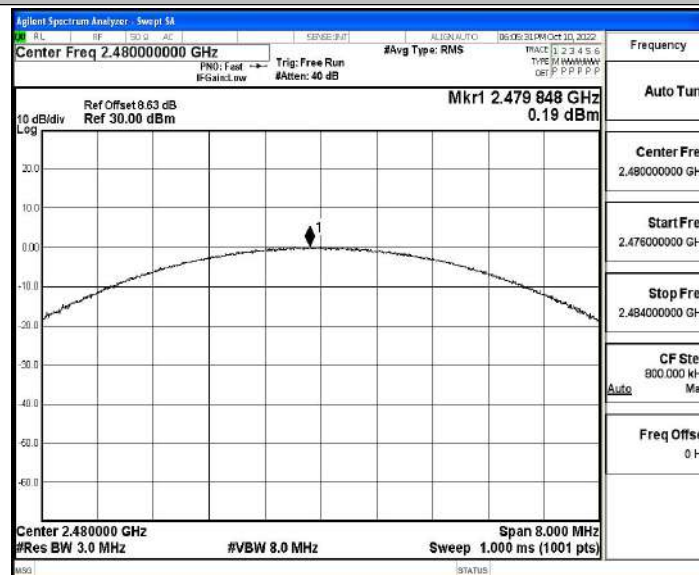


2DH5_Ant1_2441



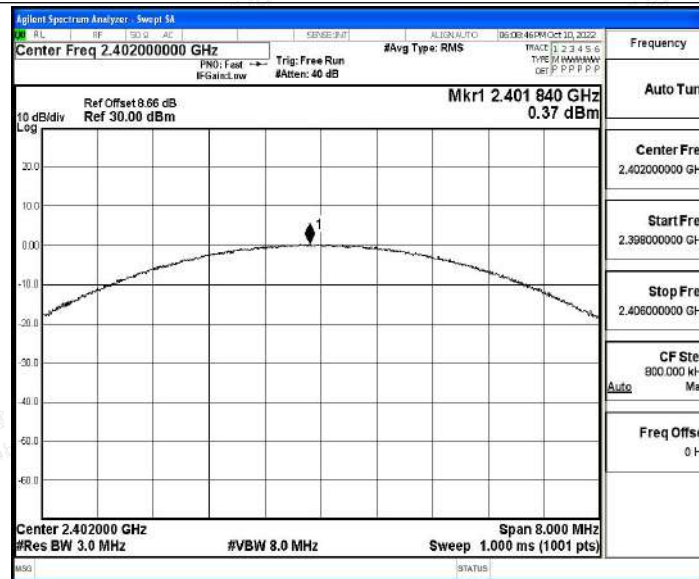


2DH5_Ant1_2480

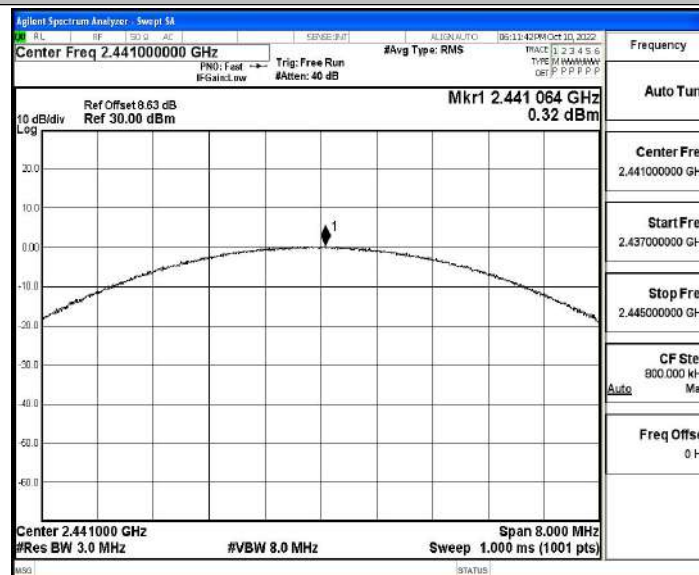


3DH5_Ant1_2402



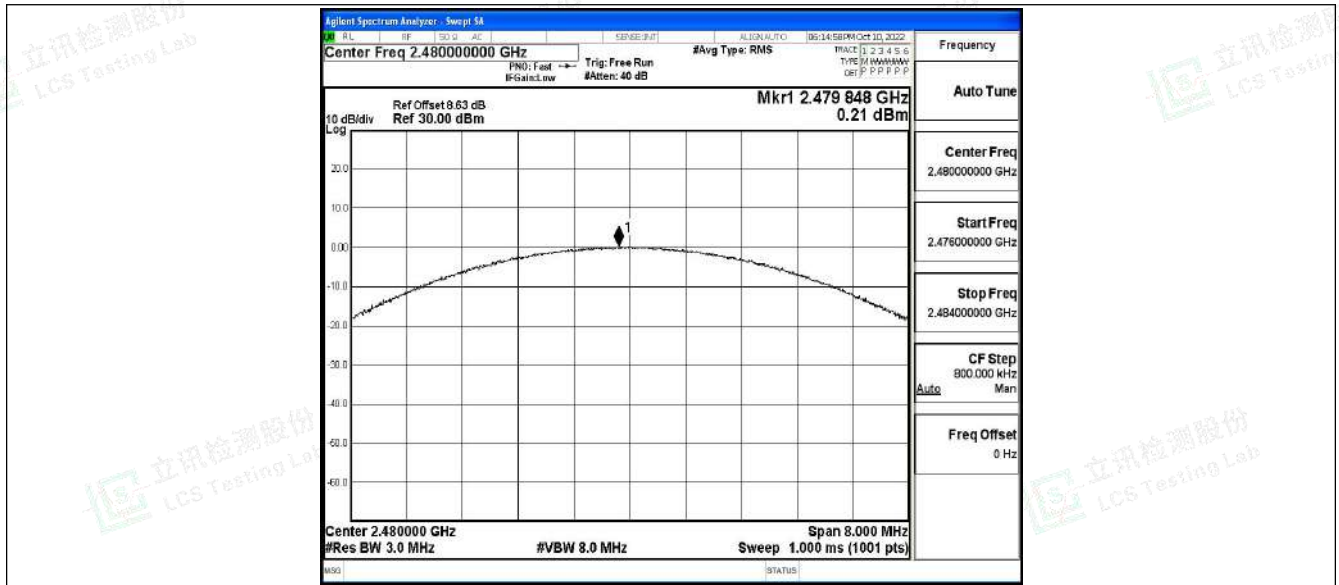


3DH5_Ant1_2441



3DH5_Ant1_2480







A.3 Carrier frequency separation

Test Result

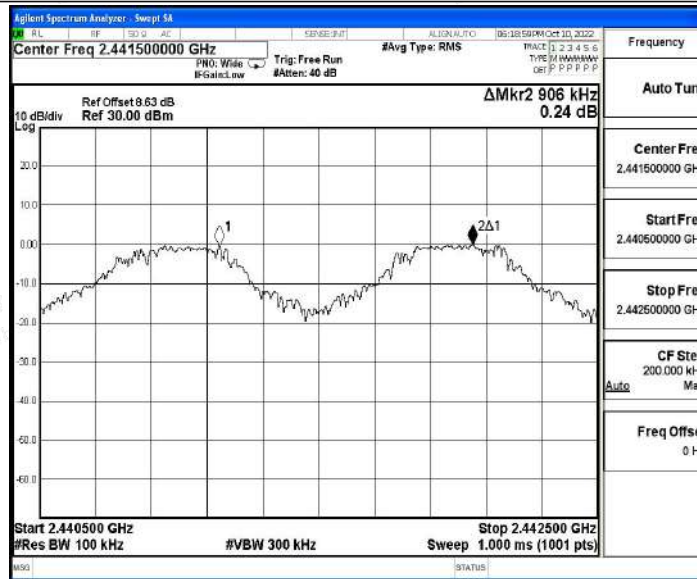
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.906	≥0.694	PASS
2DH5	Ant1	Hop	1.122	≥0.884	PASS
3DH5	Ant1	Hop	1.314	≥0.870	PASS



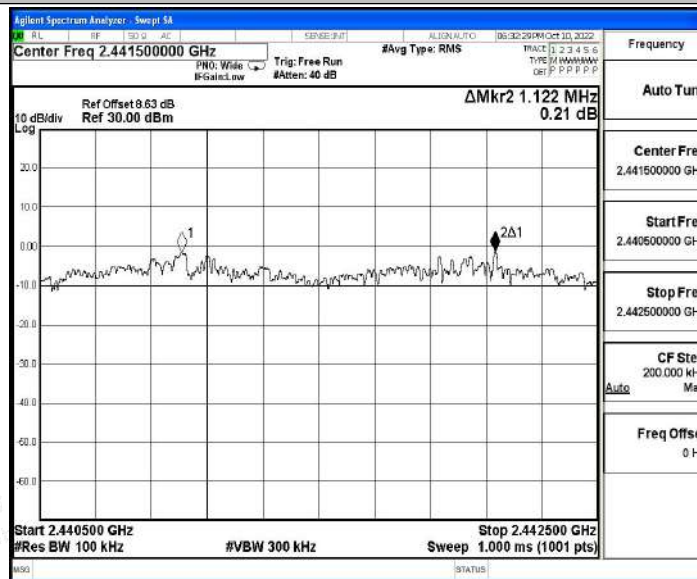


Test Graphs

DH5_Ant1_Hop

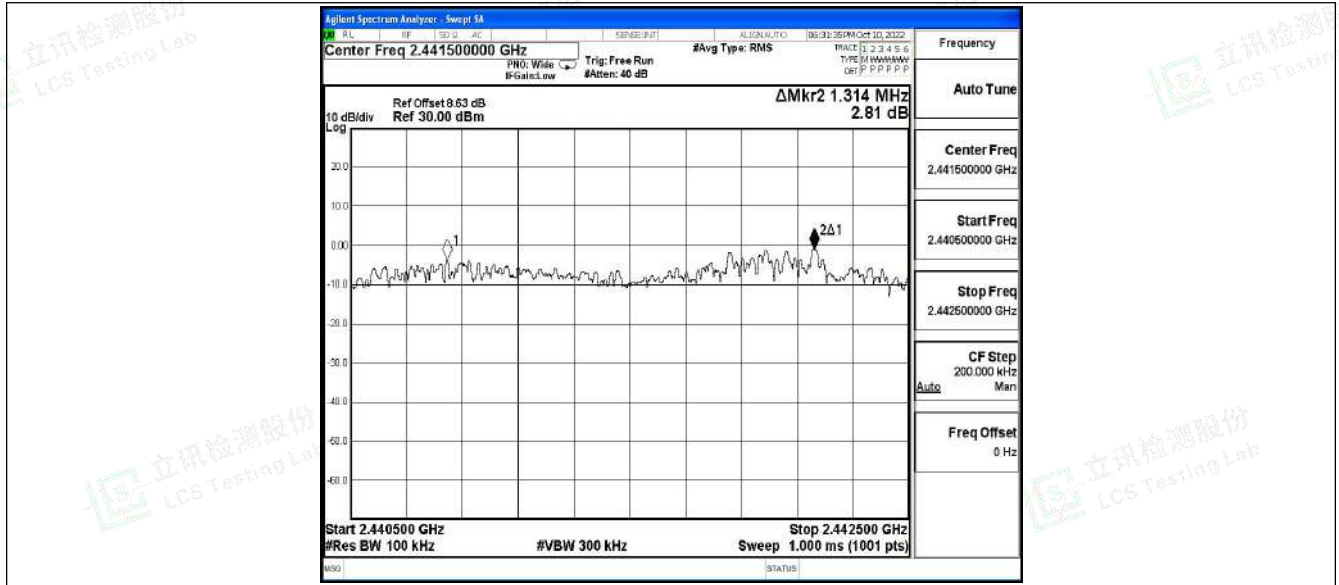


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.4 Time of occupancy

Test Result

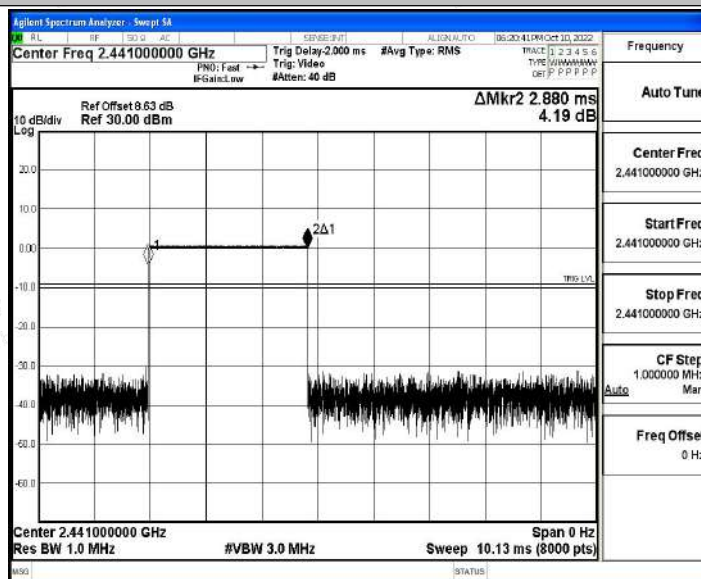
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS



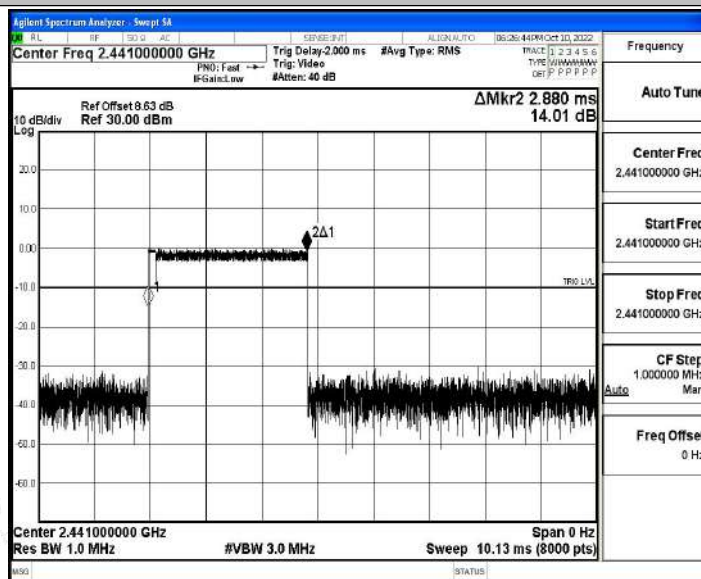
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Test Graphs

DH5 Ant1 Hop



2DH5 Ant1 Hop



3DH5 Ant1 Hop

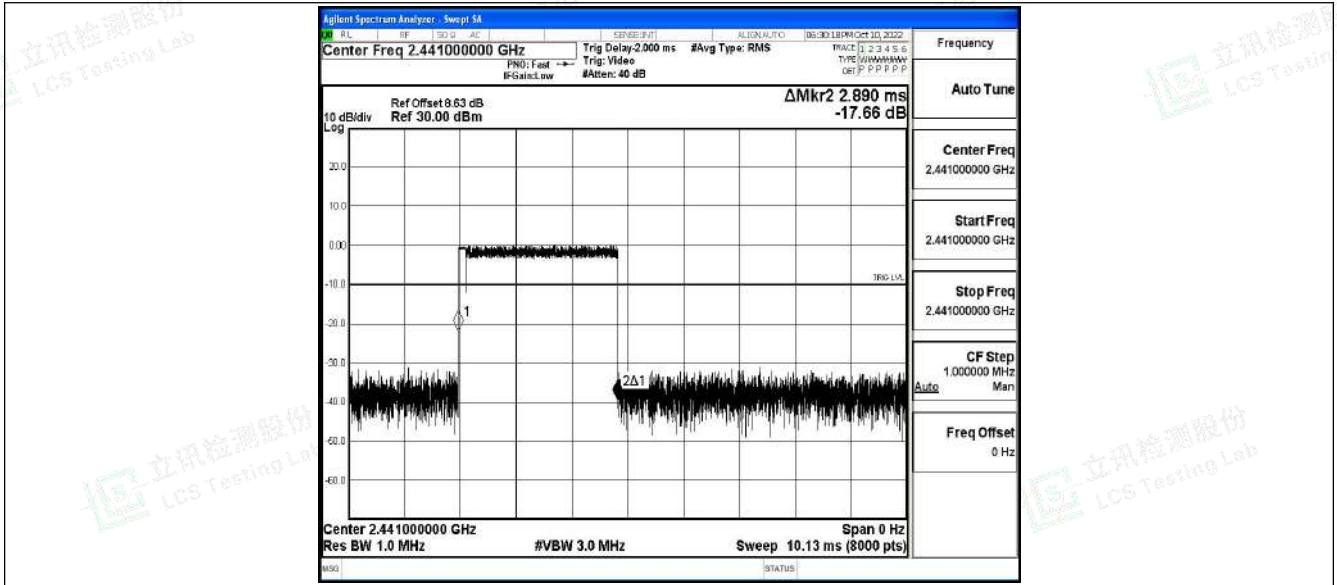


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A.5 Number of hopping channels

Test Result

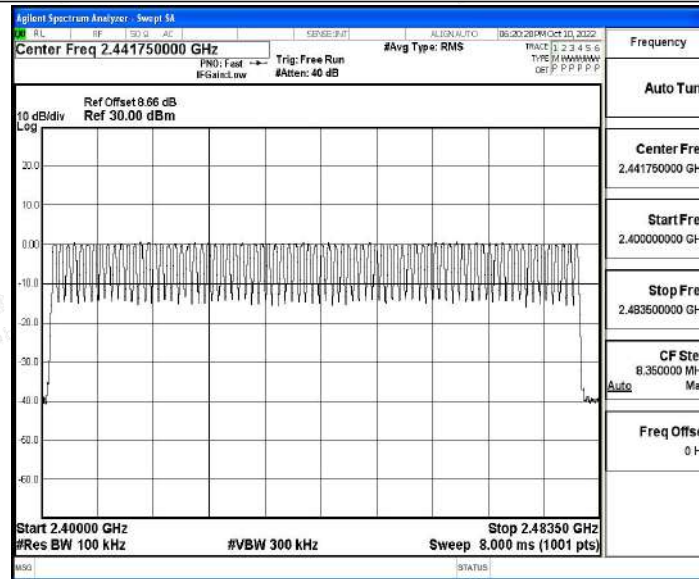
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



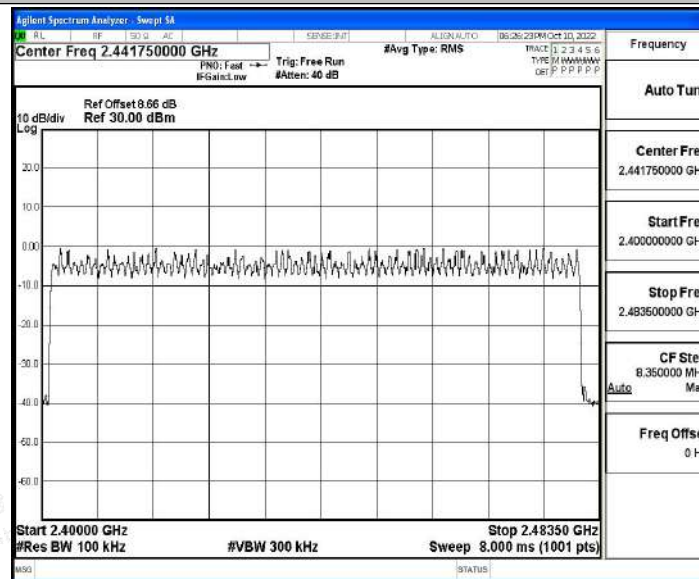


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

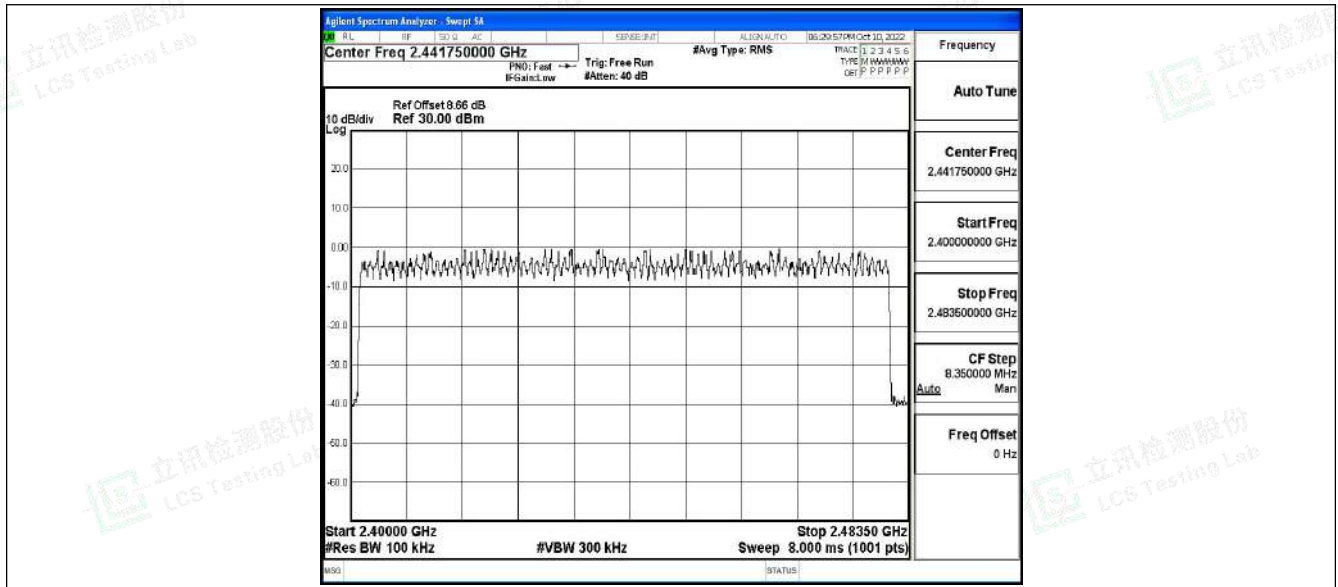


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A.6 Band edge measurements

Test Result

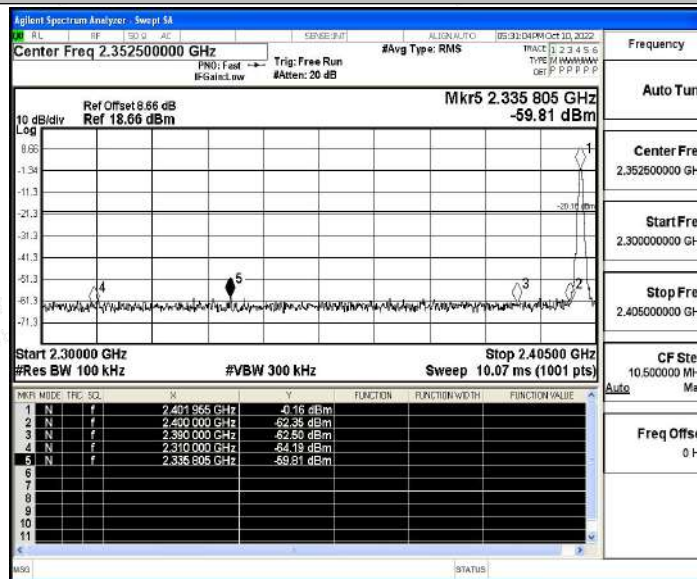
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.16	-59.81	≤ -20.16	PASS
		High	2480	-0.54	-59.18	≤ -20.54	PASS
		Low	Hop_2402	-0.31	-58.56	≤ -20.31	PASS
		High	Hop_2480	0.11	-56.72	≤ -19.89	PASS
2DH5	Ant1	Low	2402	-5.51	-59.24	≤ -25.51	PASS
		High	2480	-5.18	-59.2	≤ -25.18	PASS
		Low	Hop_2402	-4.77	-58.63	≤ -24.77	PASS
		High	Hop_2480	-1.40	-57.79	≤ -21.4	PASS
3DH5	Ant1	Low	2402	-4.12	-56.62	≤ -24.12	PASS
		High	2480	-1.23	-58.09	≤ -21.23	PASS
		Low	Hop_2402	-3.64	-58.61	≤ -23.64	PASS
		High	Hop_2480	-1.08	-57.38	≤ -21.08	PASS



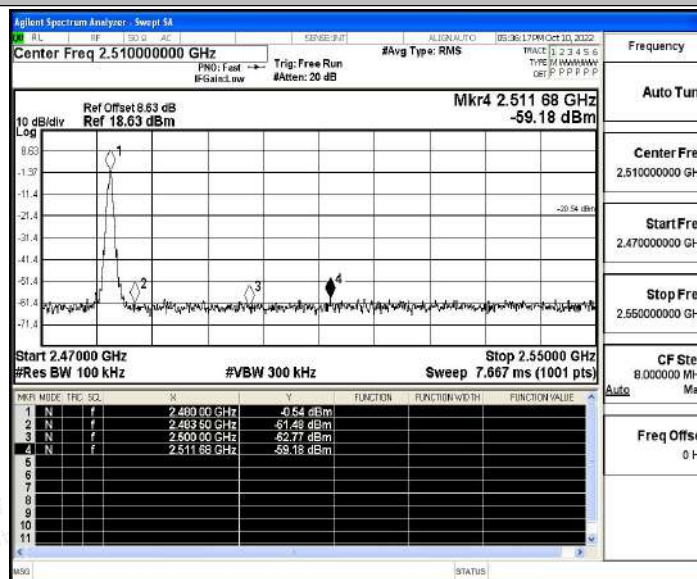


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

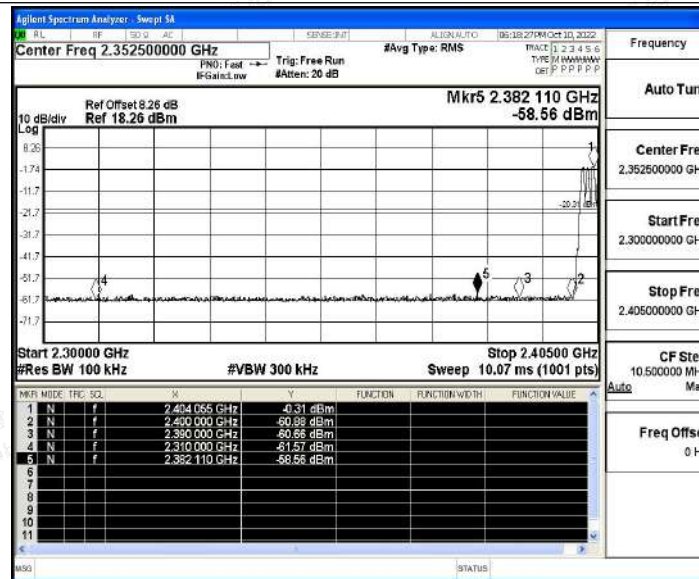


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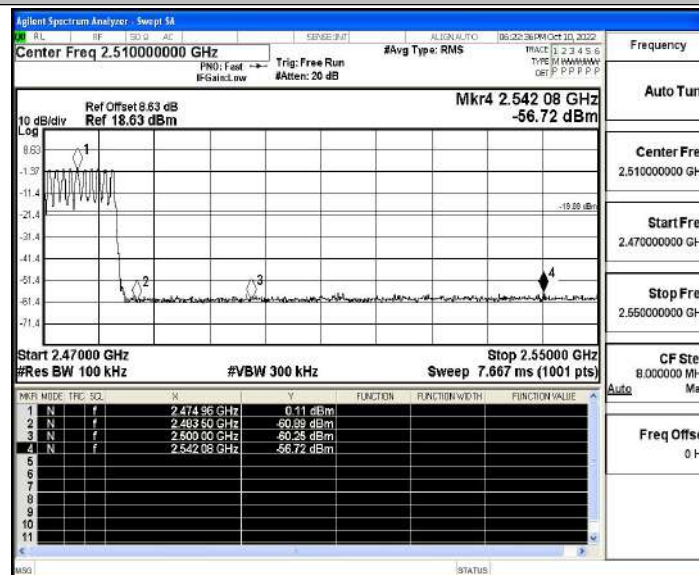
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

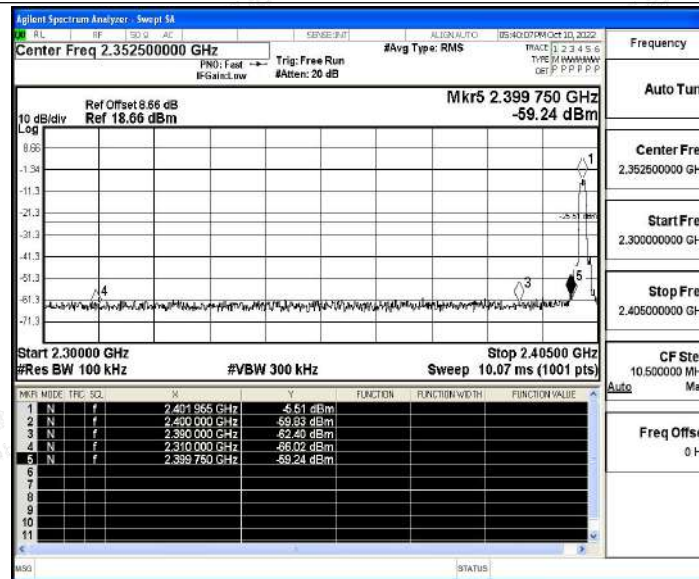


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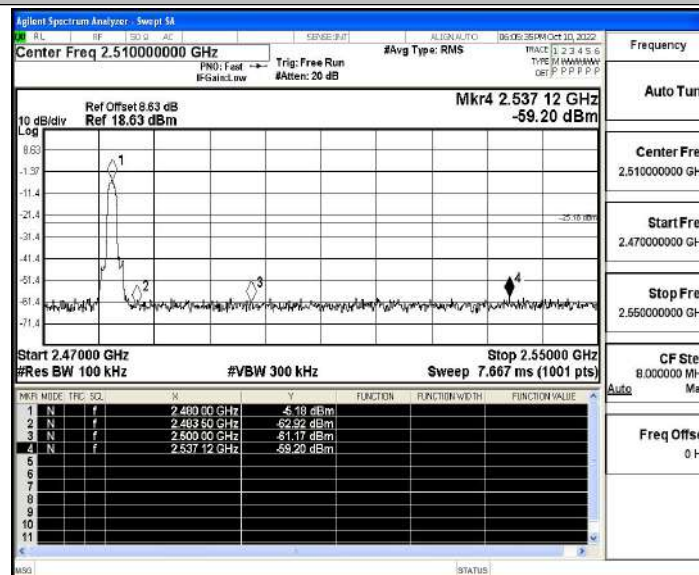
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

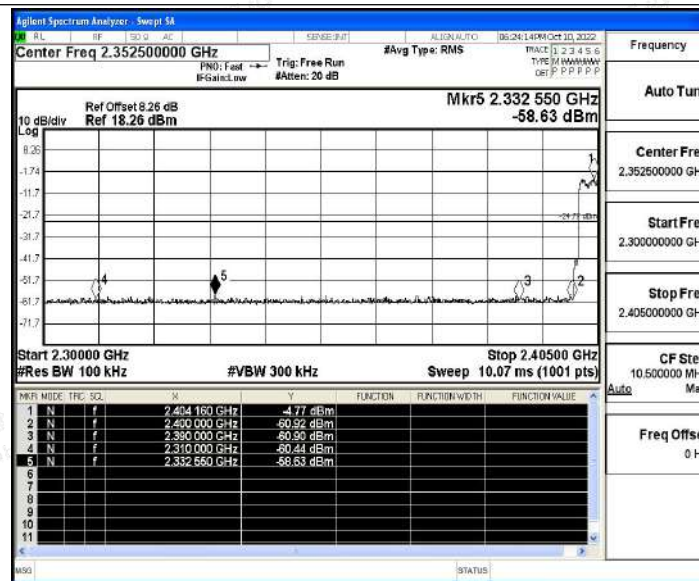


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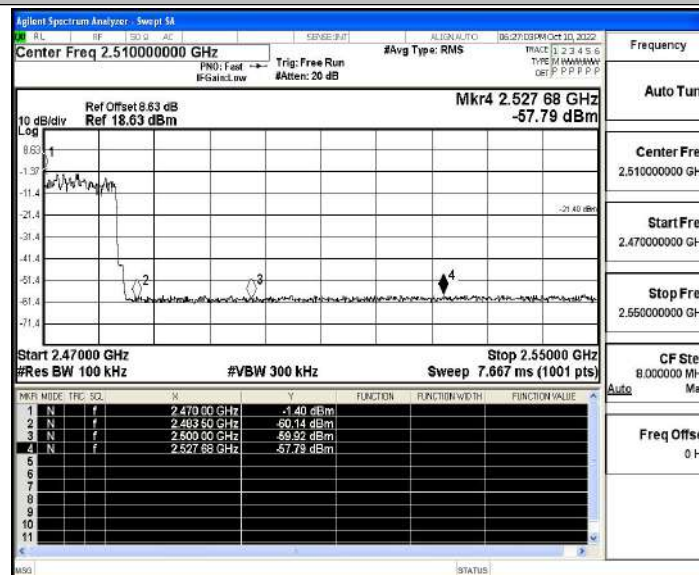
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

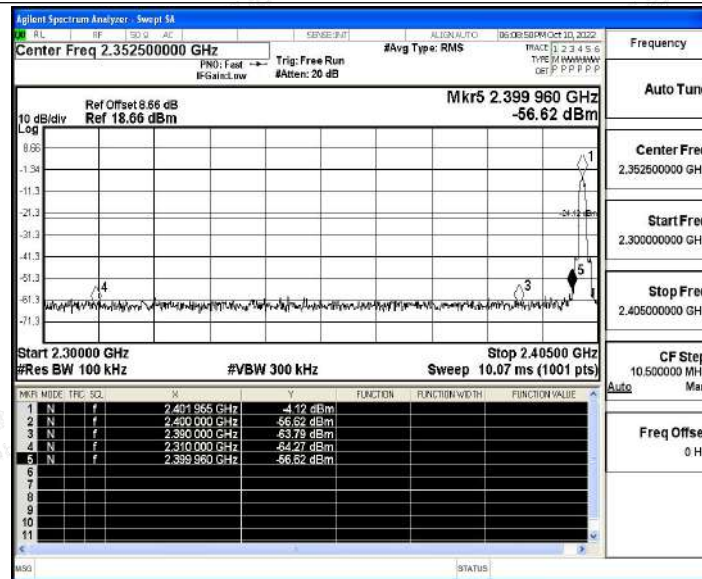


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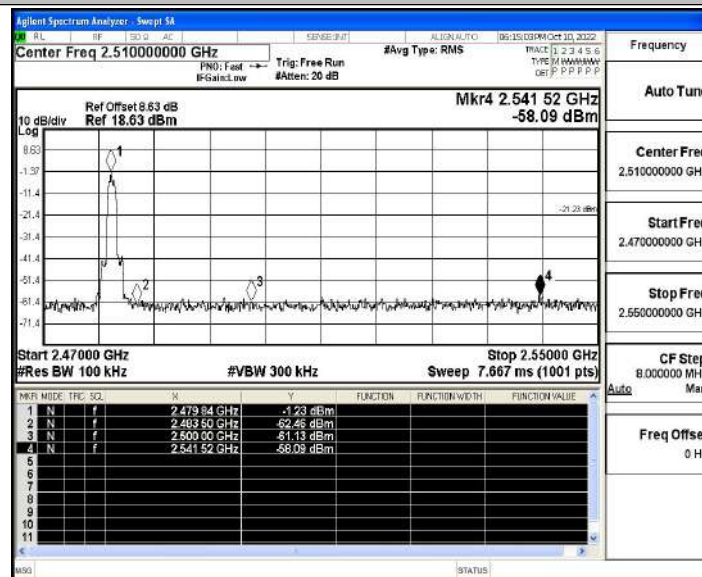
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

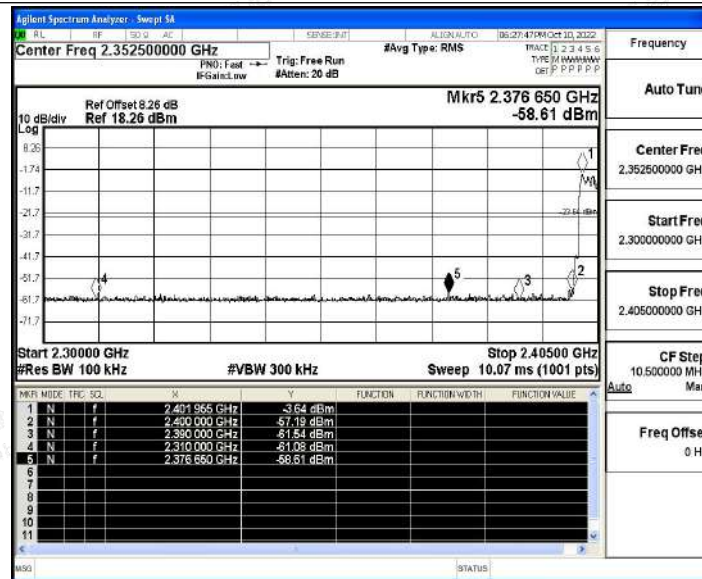


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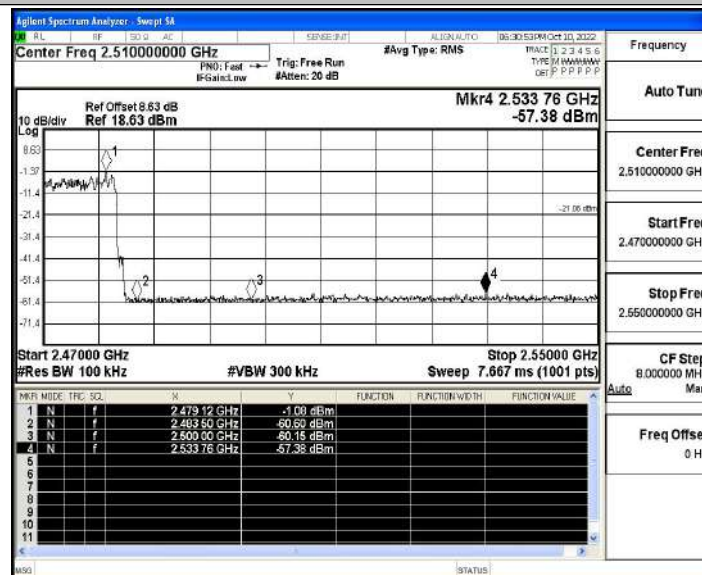
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3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.38	-0.38	---	PASS
			30~1000	-0.38	-60.29	≤ -20.38	PASS
			1000~26500	-0.38	-46.22	≤ -20.38	PASS
		2441	Reference	-0.55	-0.55	---	PASS
			30~1000	-0.55	-45.89	≤ -20.55	PASS
			1000~26500	-0.55	-45.32	≤ -20.55	PASS
		2480	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-60.49	≤ -20.91	PASS
			1000~26500	-0.91	-46.07	≤ -20.91	PASS
2DH5	Ant1	2402	Reference	-5.19	-5.19	---	PASS
			30~1000	-5.19	-60.83	≤ -25.19	PASS
			1000~26500	-5.19	-45.58	≤ -25.19	PASS
		2441	Reference	-5.93	-5.93	---	PASS
			30~1000	-5.93	-61.01	≤ -25.93	PASS
			1000~26500	-5.93	-45.8	≤ -25.93	PASS
		2480	Reference	-5.66	-5.66	---	PASS
			30~1000	-5.66	-60.38	≤ -25.66	PASS
			1000~26500	-5.66	-46.16	≤ -25.66	PASS
3DH5	Ant1	2402	Reference	-1.74	-1.74	---	PASS
			30~1000	-1.74	-60.57	≤ -21.74	PASS
			1000~26500	-1.74	-45.97	≤ -21.74	PASS
		2441	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-47.56	≤ -24.6	PASS
			1000~26500	-4.60	-45.99	≤ -24.6	PASS
		2480	Reference	-4.99	-4.99	---	PASS
			30~1000	-4.99	-60.05	≤ -24.99	PASS
			1000~26500	-4.99	-46.31	≤ -24.99	PASS



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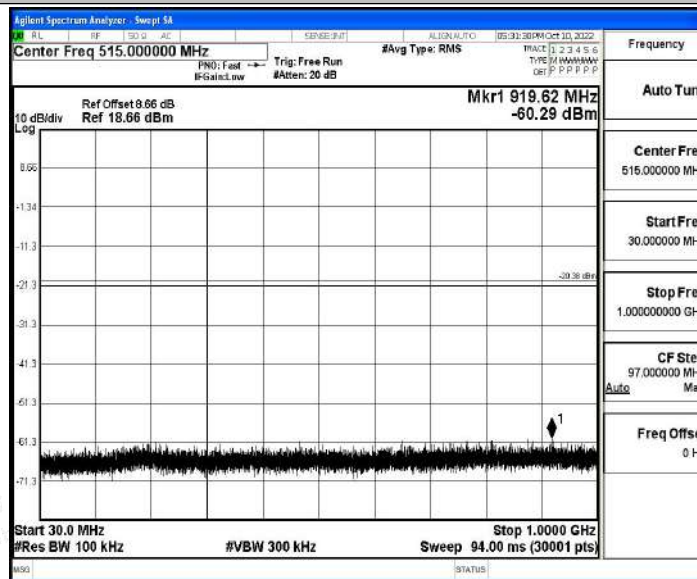


Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500

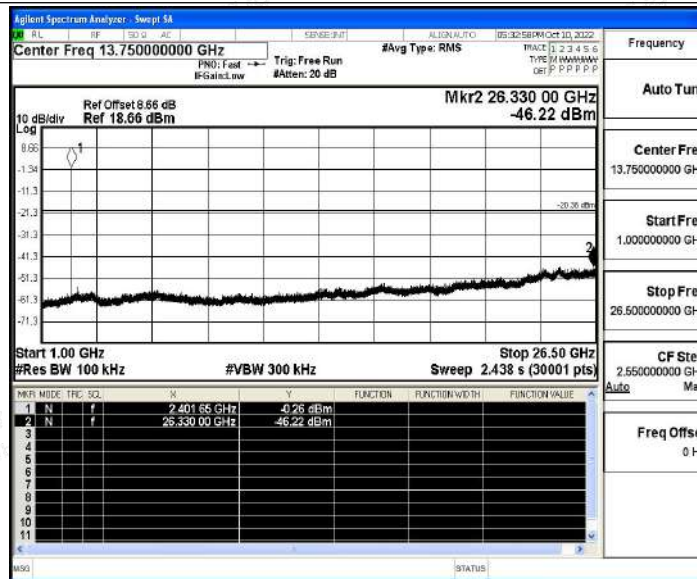


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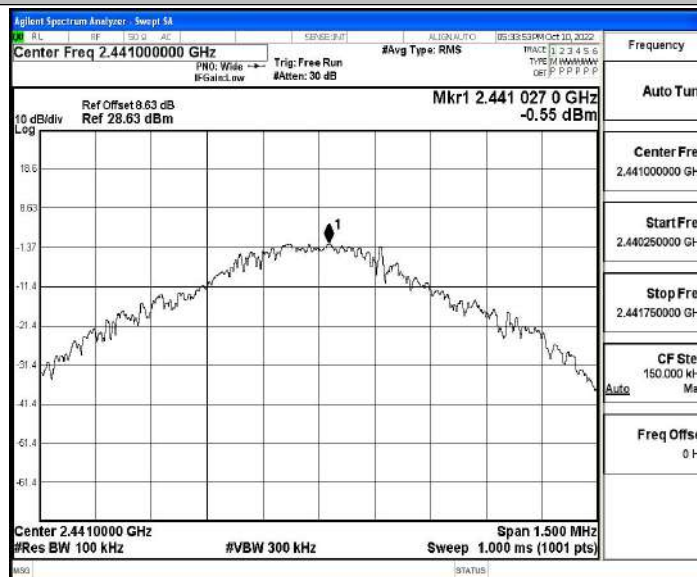
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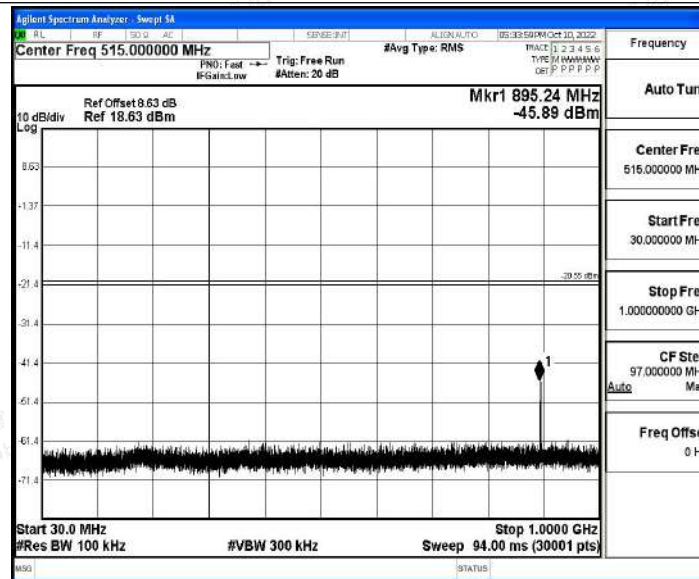


DH5_Ant1_2441_0~Reference

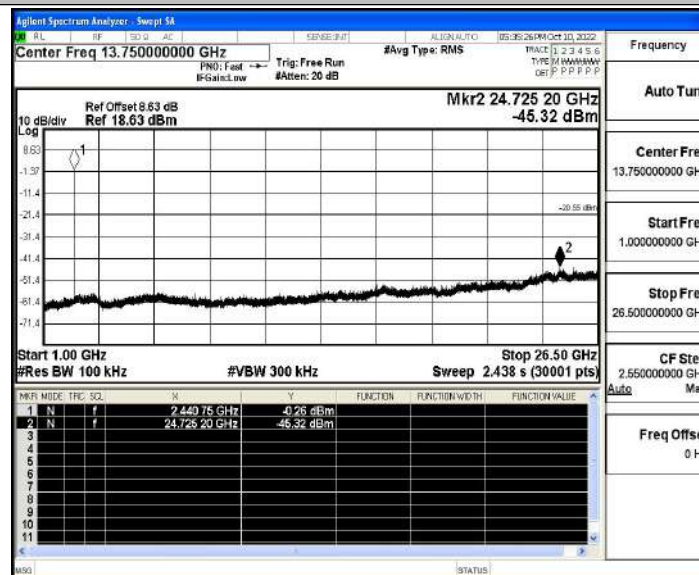


DH5_Ant1_2441_30~1000



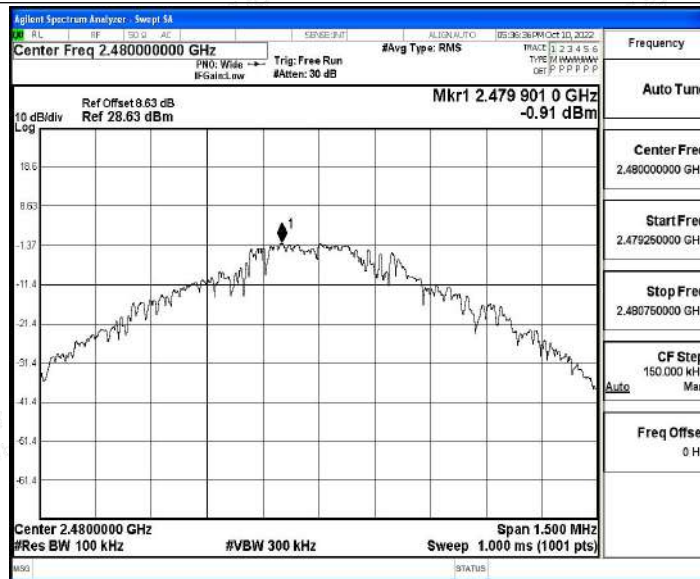


DH5_Ant1_2441_1000~26500

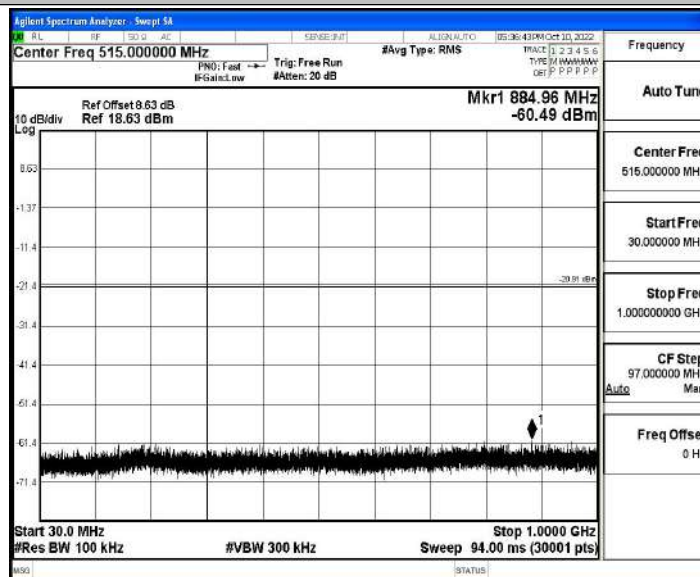


DH5_Ant1_2480_0~Reference



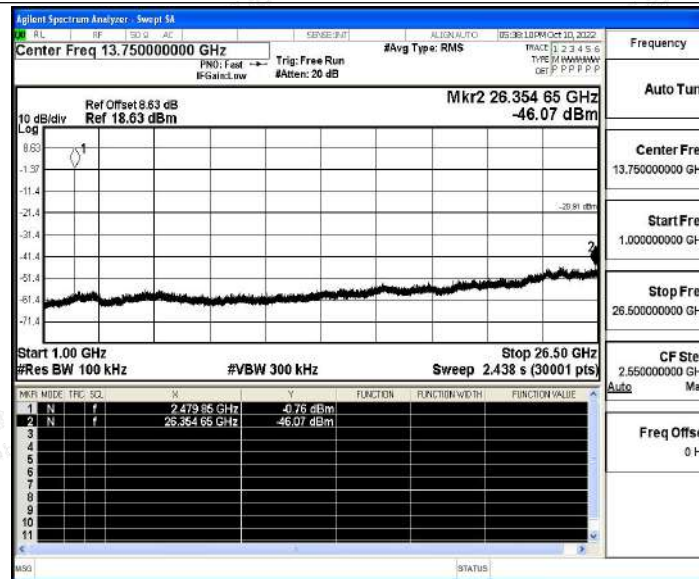


DH5_Ant1_2480_30~1000

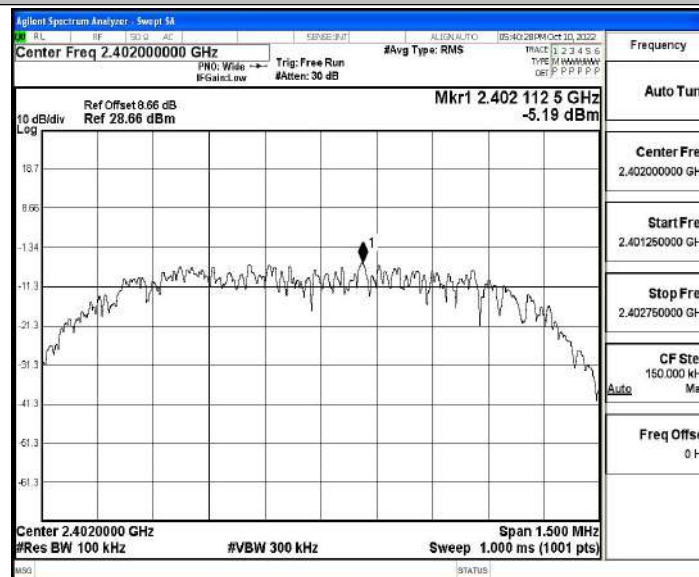


DH5_Ant1_2480_1000~26500



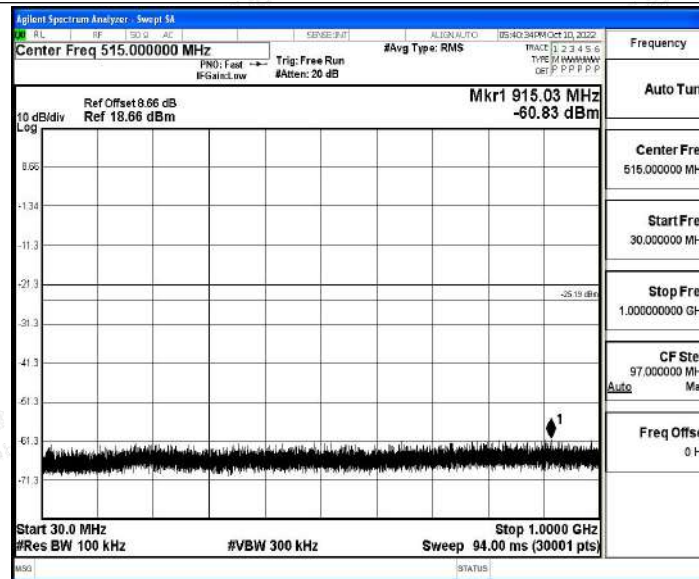


2DH5_Ant1_2402_0~Reference

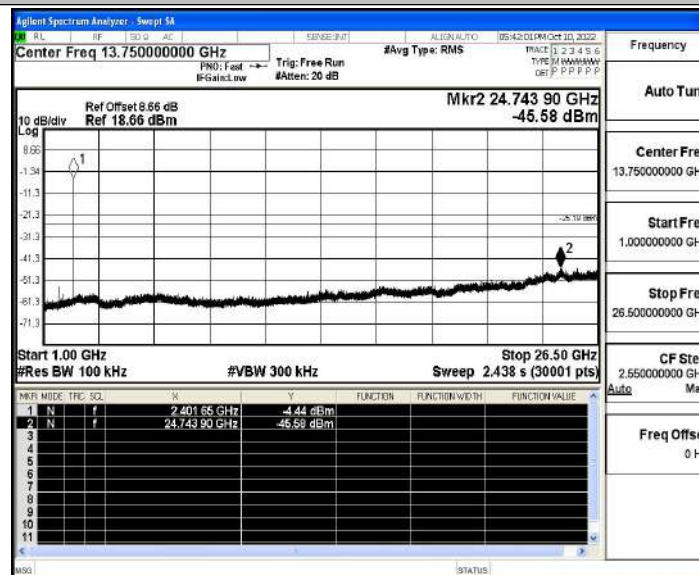


2DH5_Ant1_2402_30~1000



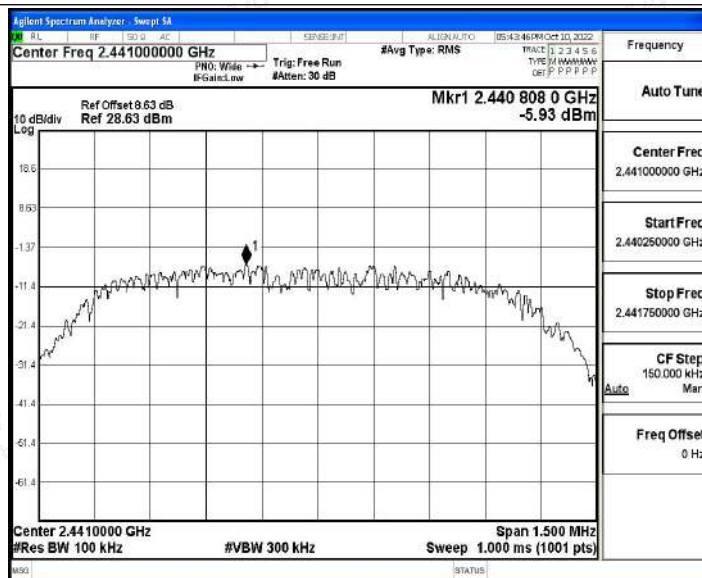


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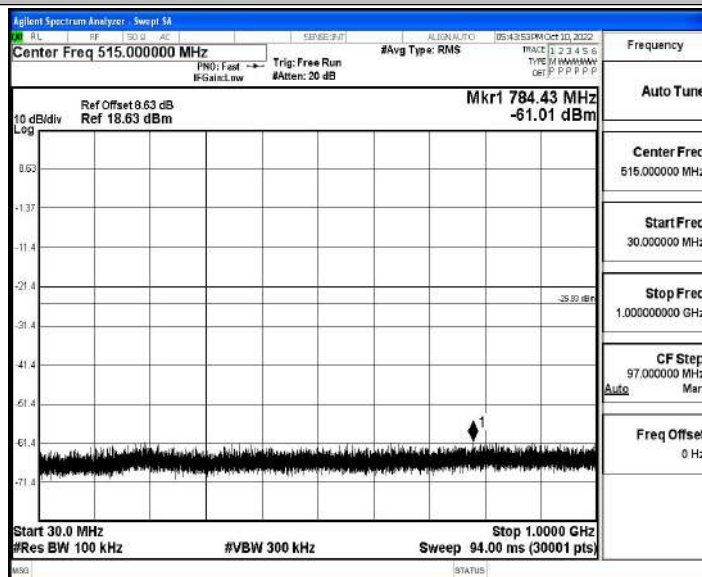


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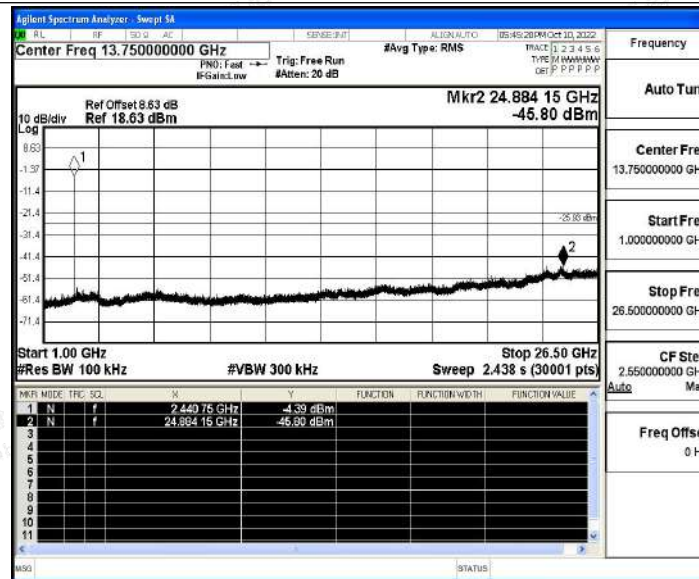


2DH5_Ant1_2441_30~1000

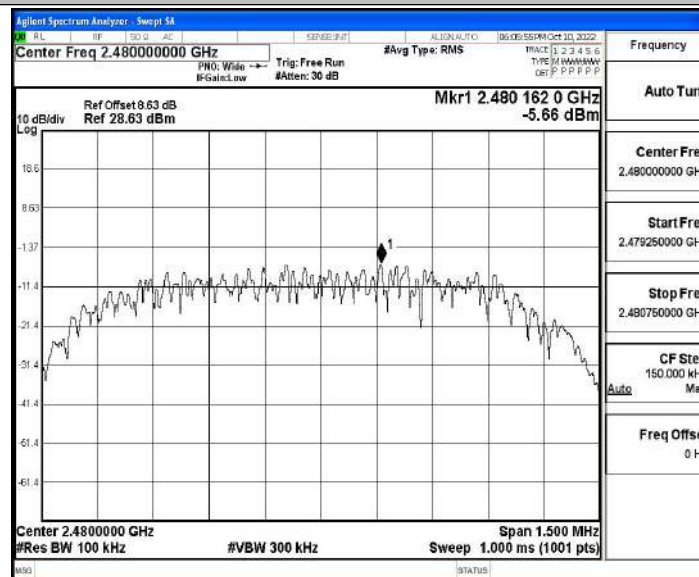


2DH5_Ant1_2441_1000~26500





2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000

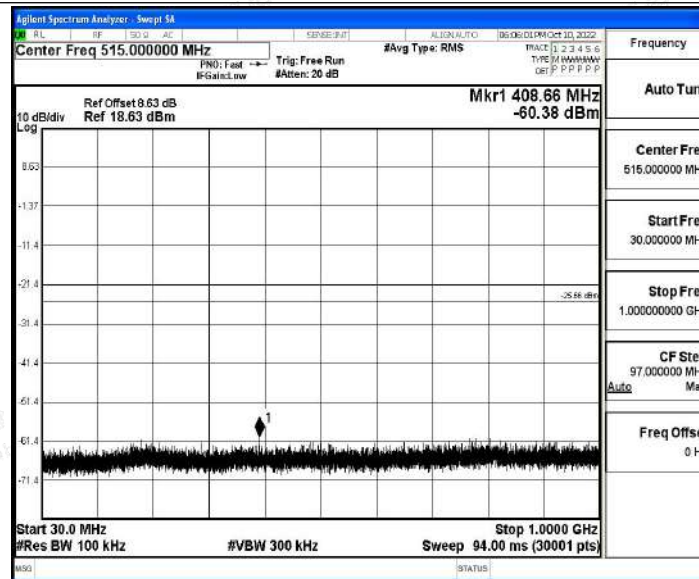


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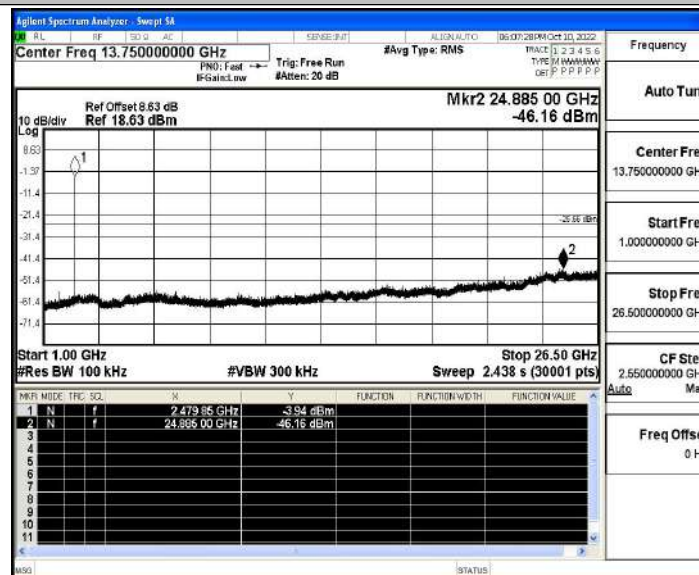
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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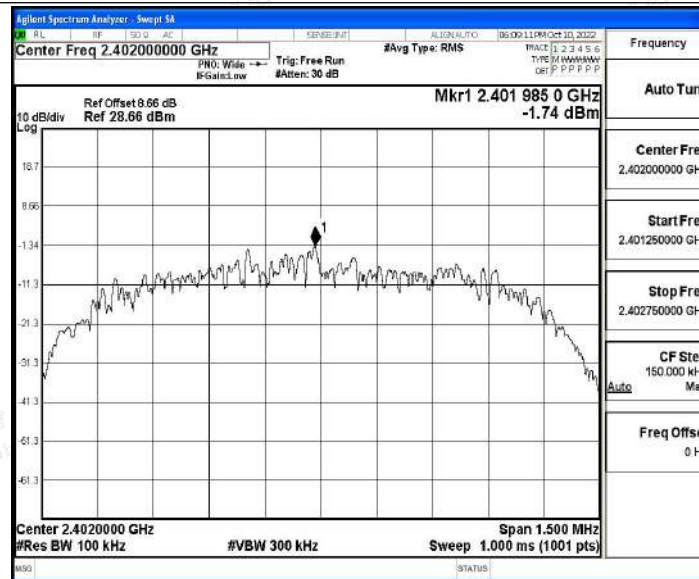


2DH5_Ant1_2480_1000~26500

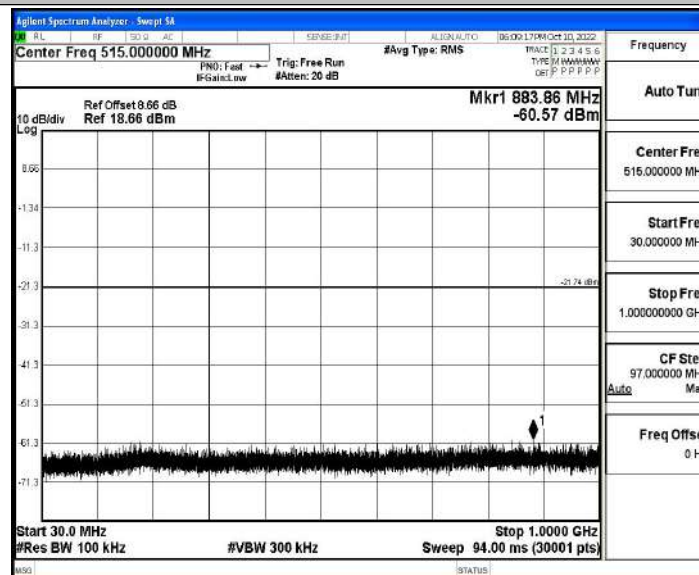


3DH5_Ant1_2402_0~Reference





3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500

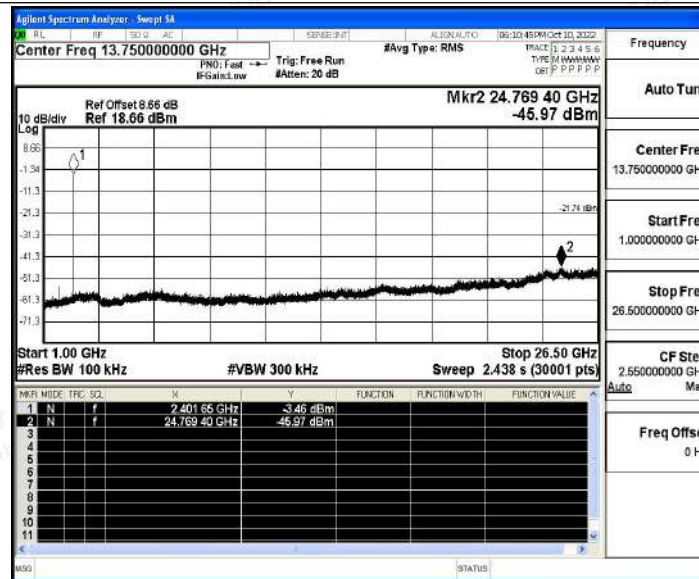


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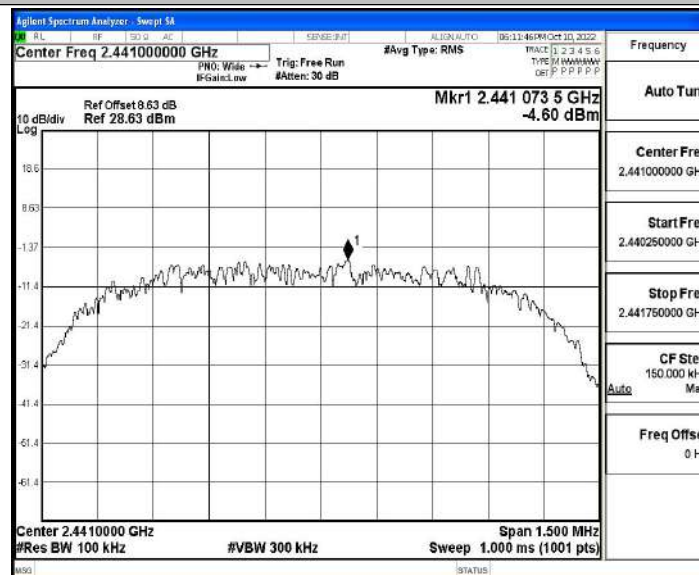
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000

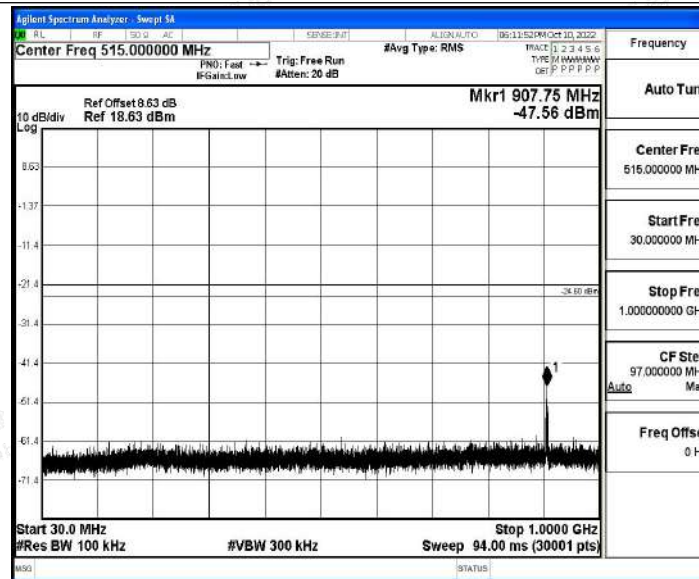


Shenzhen LCS Compliance Testing Laboratory Ltd.

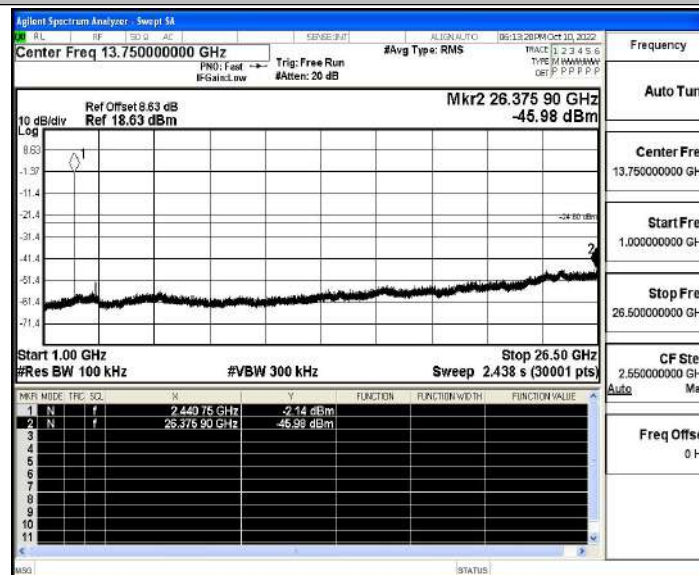
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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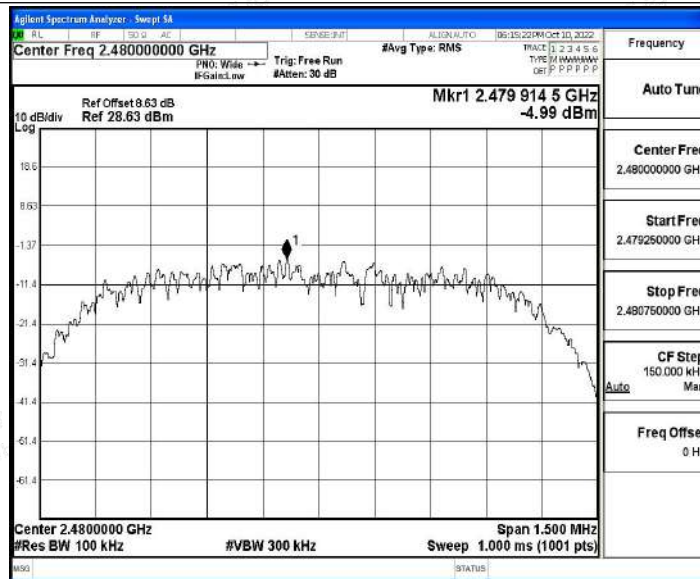


3DH5_Ant1_2441_1000~26500

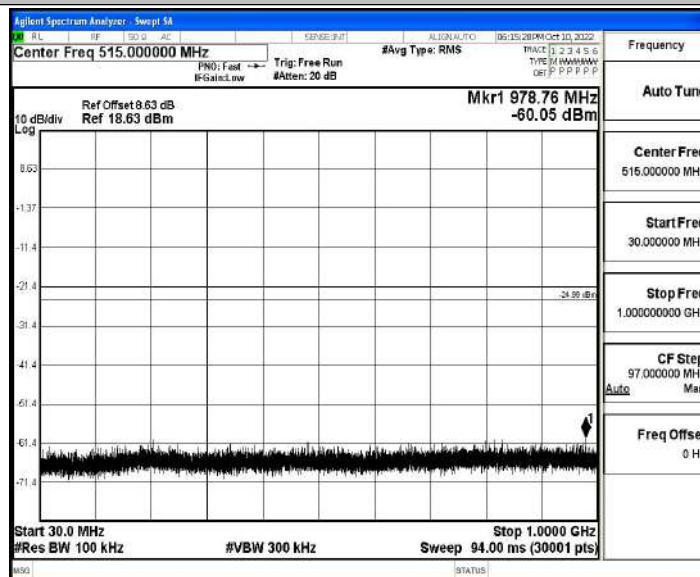


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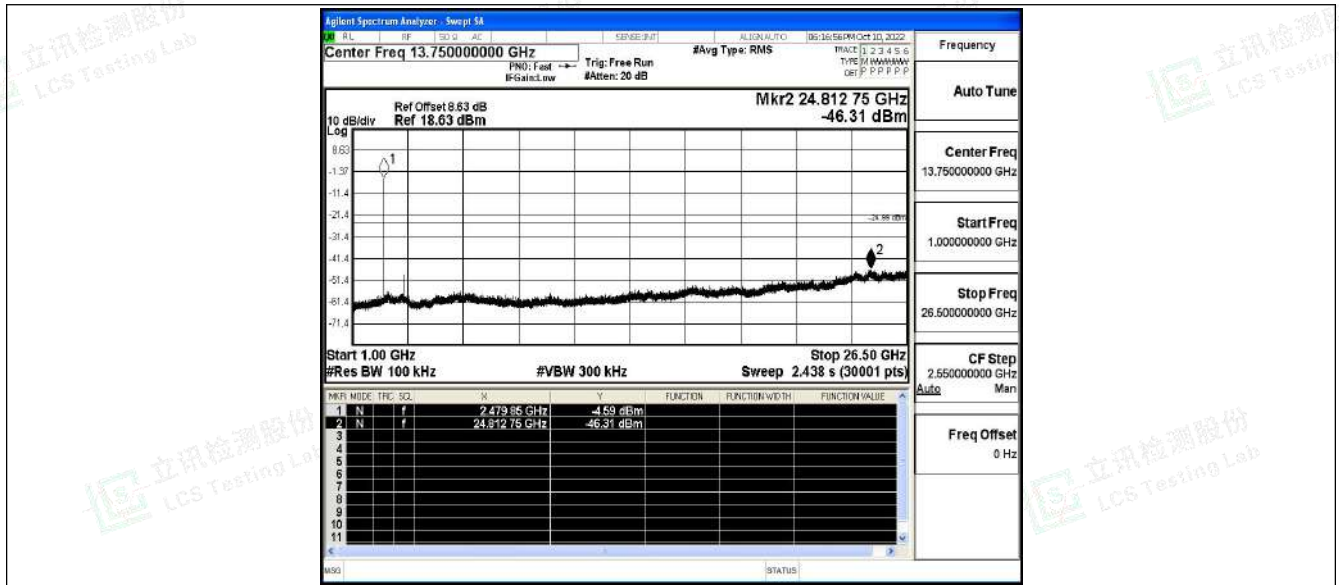


3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500







A.8 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-58.02	≤-41.20	37.18	≤54	PASS
				AV	2389.775	-57.51	≤-41.20	37.69	≤54	PASS
				AV	2390.000	-57.58	≤-41.20	37.62	≤54	PASS
				Peak	2310.000	-54.19	≤-21.20	41.01	≤74	PASS
				Peak	2374.130	-46.31	≤-21.20	48.89	≤74	PASS
				Peak	2390.000	-52.38	≤-21.20	42.82	≤74	PASS
		High	2480	AV	2483.500	-55.43	≤-41.20	39.77	≤54	PASS
				AV	2483.520	-55.43	≤-41.20	39.77	≤54	PASS
				AV	2500.000	-57.15	≤-41.20	38.05	≤54	PASS
				Peak	2483.500	-51.02	≤-21.20	44.18	≤74	PASS
				Peak	2499.440	-47.09	≤-21.20	48.11	≤74	PASS
				Peak	2500.000	-52.32	≤-21.20	42.88	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-58.17	≤-41.20	37.03	≤54	PASS
				AV	2386.835	-57.53	≤-41.20	37.67	≤54	PASS
				AV	2390.000	-57.7	≤-41.20	37.50	≤54	PASS
				Peak	2310.000	-53.42	≤-21.20	41.78	≤74	PASS
				Peak	2315.225	-48.94	≤-21.20	46.26	≤74	PASS
				Peak	2390.000	-51.77	≤-21.20	43.43	≤74	PASS
		High	2480	AV	2483.500	-55.51	≤-41.20	39.69	≤54	PASS
				AV	2483.520	-55.51	≤-41.20	39.69	≤54	PASS
				AV	2500.000	-56.95	≤-41.20	38.25	≤54	PASS
				Peak	2483.500	-51.51	≤-21.20	43.69	≤74	PASS
				Peak	2494.160	-47.59	≤-21.20	47.61	≤74	PASS
				Peak	2500.000	-49.98	≤-21.20	45.22	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-58.12	≤-41.20	37.08	≤54	PASS
				AV	2376.965	-57.49	≤-41.20	37.71	≤54	PASS
				AV	2390.000	-57.5	≤-41.20	37.70	≤54	PASS
				Peak	2310.000	-52.07	≤-21.20	43.13	≤74	PASS
				Peak	2369.615	-48.23	≤-21.20	46.97	≤74	PASS
				Peak	2390.000	-48.75	≤-21.20	46.45	≤74	PASS
		High	2480	AV	2483.500	-55.1	≤-41.20	40.10	≤54	PASS
				AV	2483.520	-55.1	≤-41.20	40.10	≤54	PASS
				AV	2500.000	-56.98	≤-41.20	38.22	≤54	PASS
				Peak	2483.500	-49.9	≤-21.20	45.30	≤74	PASS



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			Peak	2488.080	-48.1	≤-21.20	47.10	≤74	PASS
			Peak	2500.000	-50.94	≤-21.20	44.26	≤74	PASS

Note:

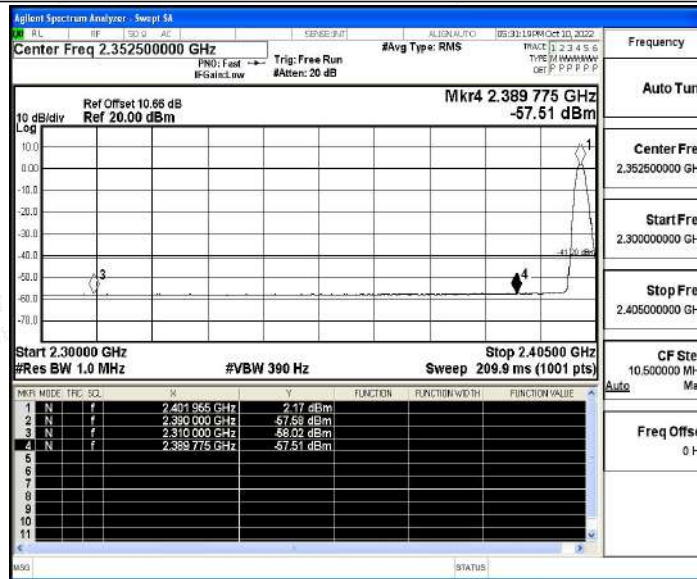
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



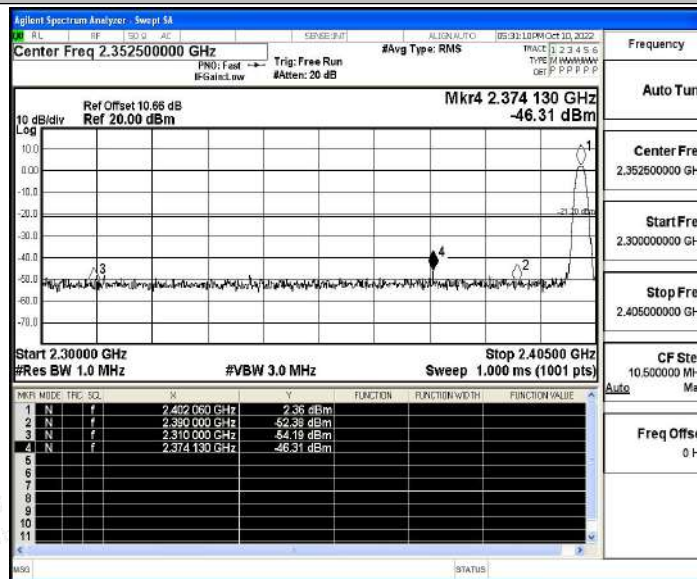


Test Graphs

DH5_Ant1_Low_2402_AV

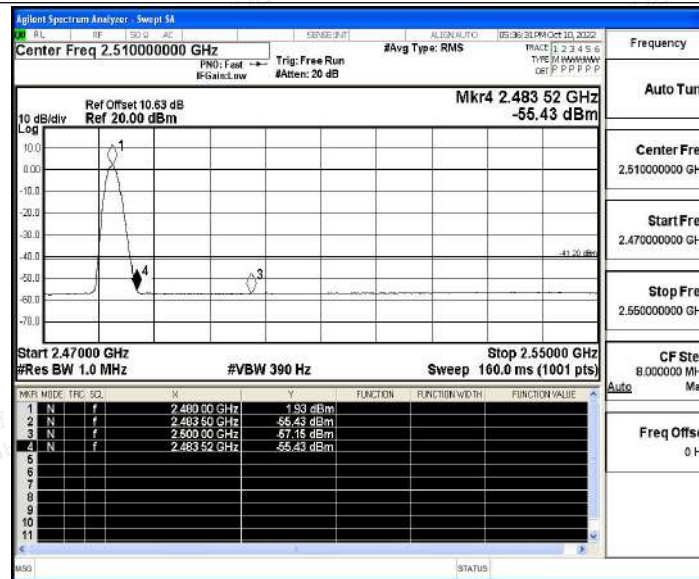


DH5_Ant1_Low_2402_Peak

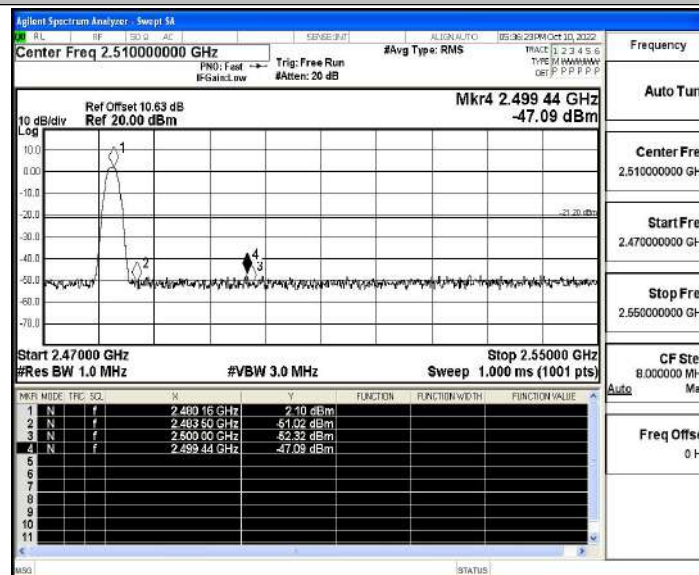


DH5_Ant1_High_2480_AV



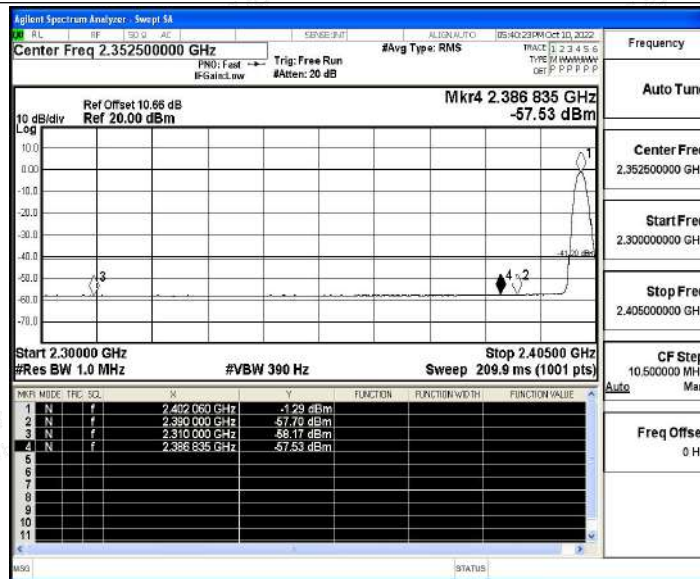


DH5_Ant1_High_2480_Peak

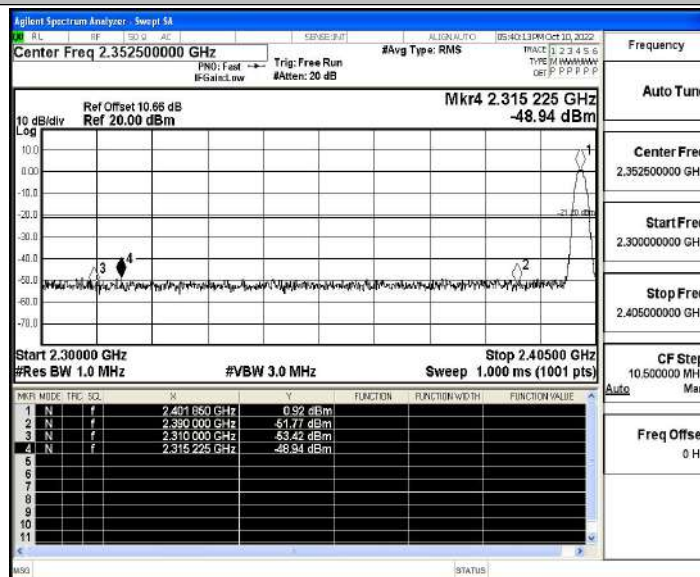


2DH5_Ant1_Low_2402_AV



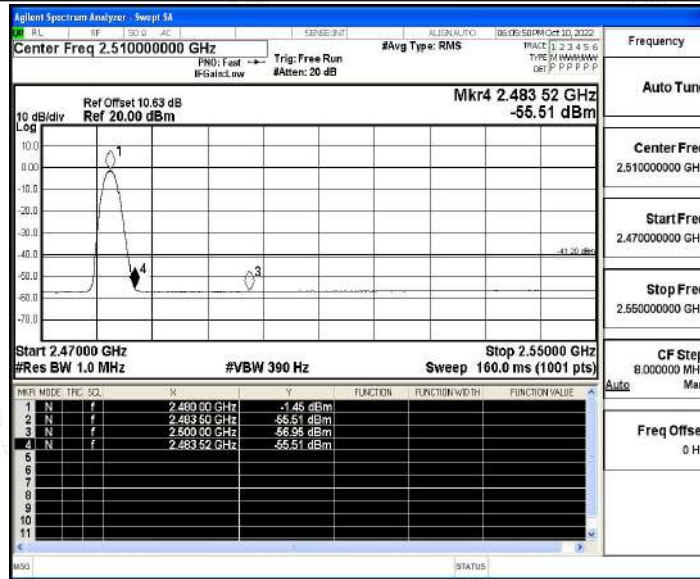


2DH5_Ant1_Low_2402_Peak

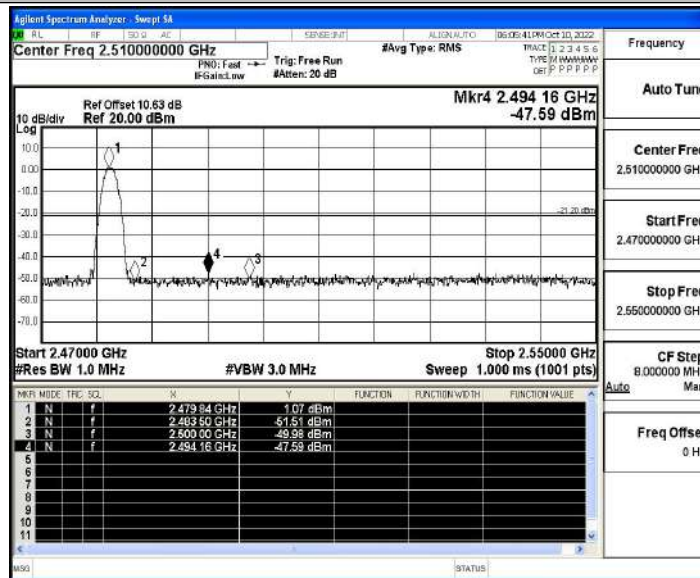


2DH5_Ant1_High_2480_AV





2DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_2402_AV

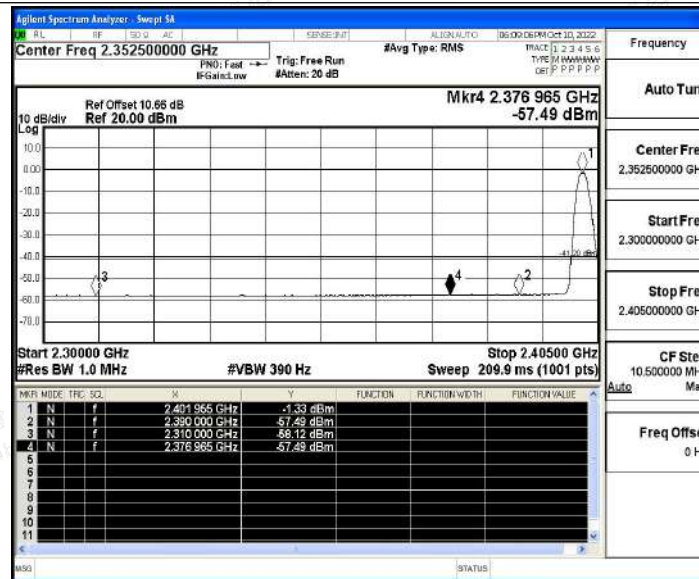


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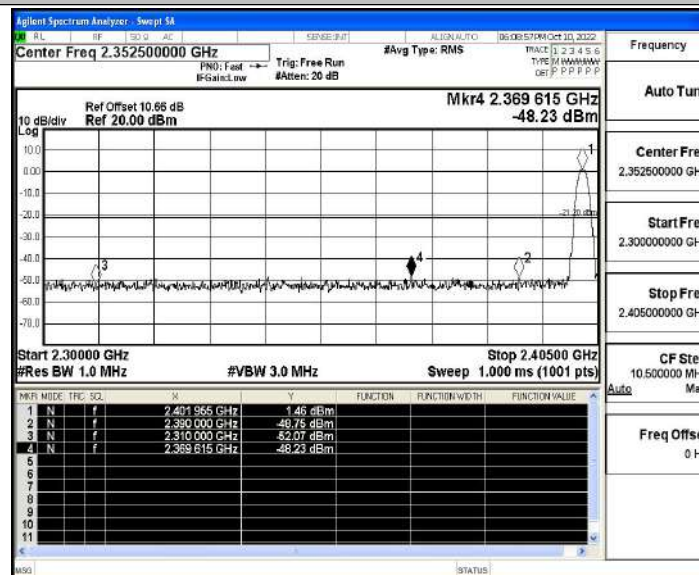
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3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV

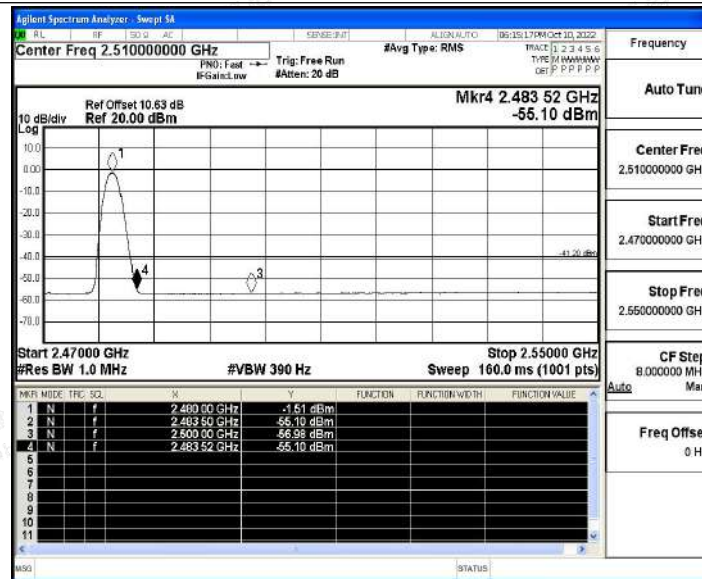


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3DH5_Ant1_High_2480_Peak

