



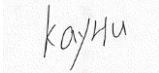
Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: TV BOX

Test Model: A95X W2

Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Kay Hu
Supervised by:	 Li Huan



A.1 20dB Emission Bandwidth

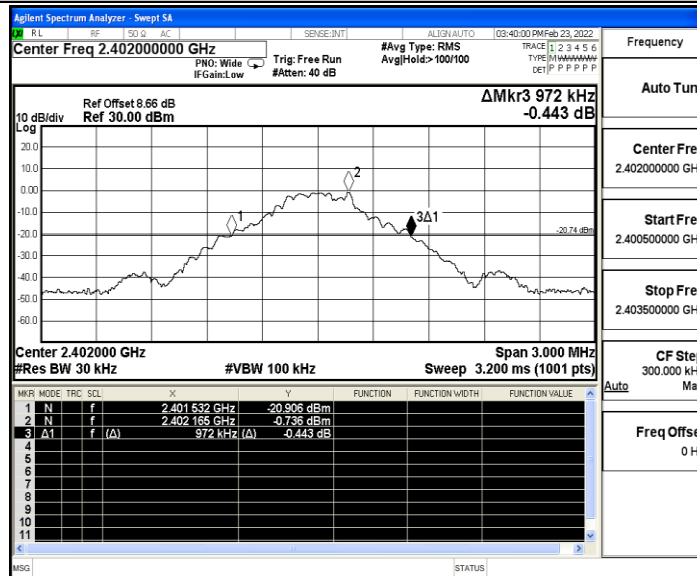
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.972	2401.532	2402.504	---	---
		2441	1.041	2440.463	2441.504	---	---
		2480	0.972	2479.532	2480.504	---	---
2DH5	Ant1	2402	1.287	2401.367	2402.654	---	---
		2441	1.332	2440.334	2441.666	---	---
		2480	1.320	2479.340	2480.660	---	---
3DH5	Ant1	2402	1.296	2401.352	2402.648	---	---
		2441	1.296	2440.352	2441.648	---	---
		2480	1.293	2479.352	2480.645	---	---

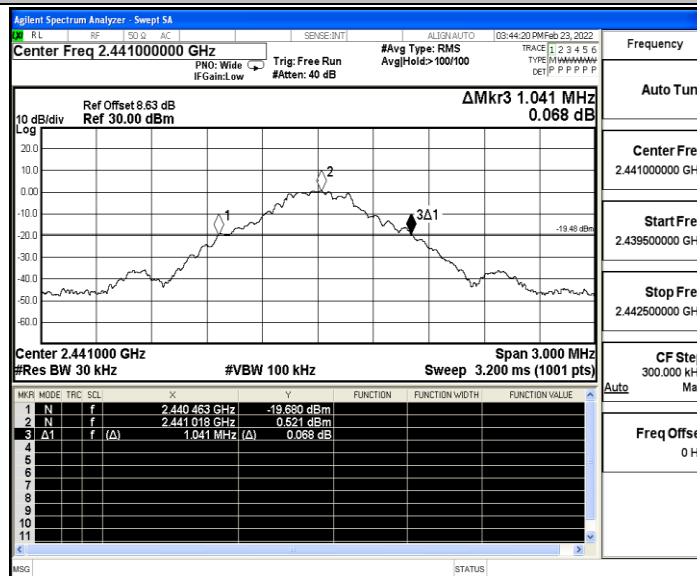


Test Graphs

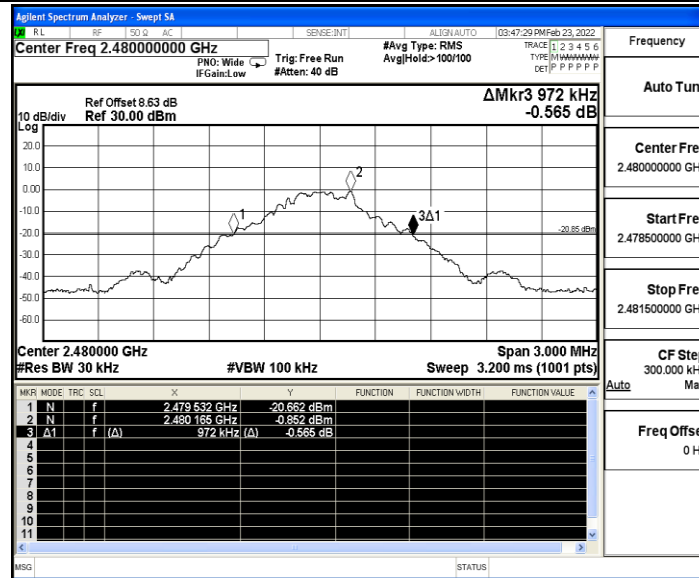
DH5_Ant1_2402



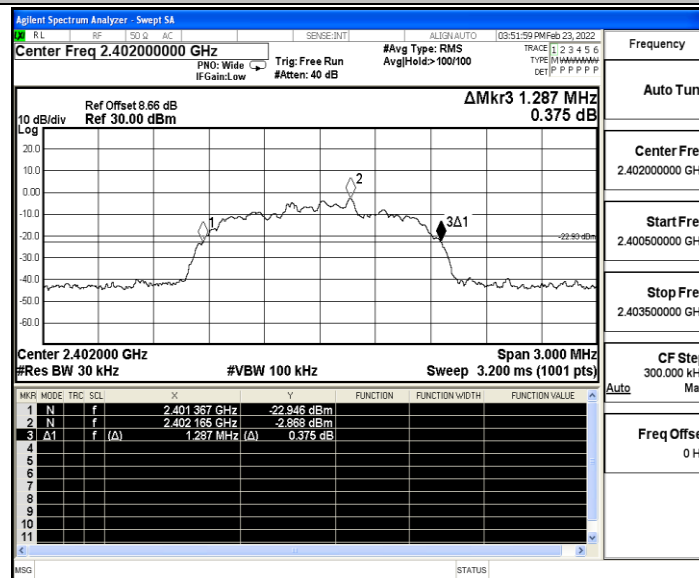
DH5_Ant1_2441



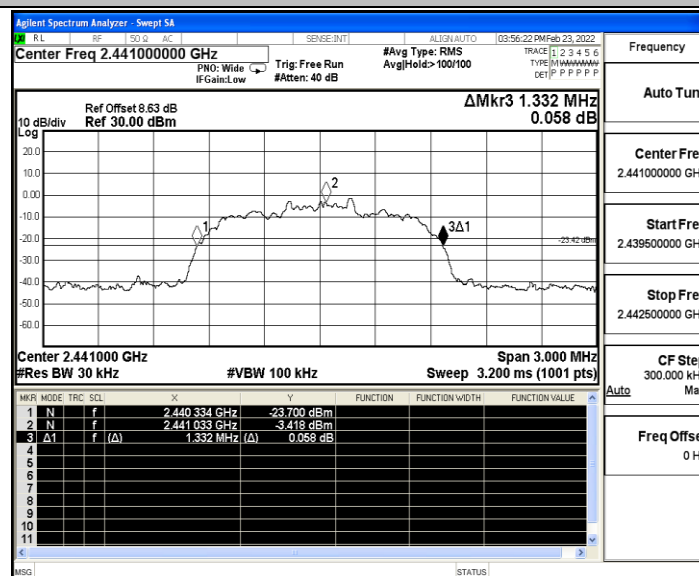
DH5_Ant1_2480



2DH5_Ant1_2402

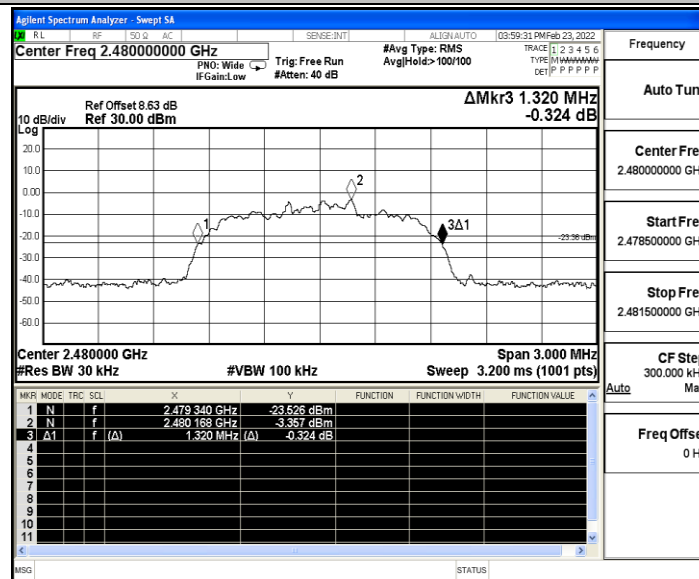


2DH5_Ant1_2441

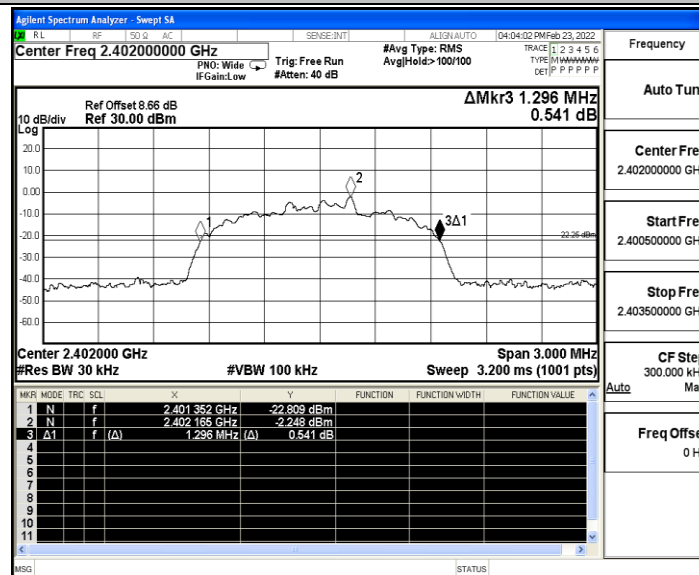




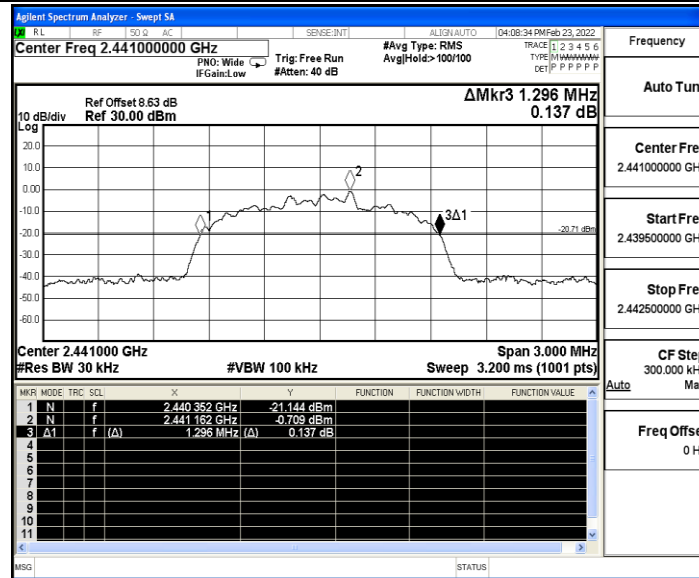
2DH5_Ant1_2480



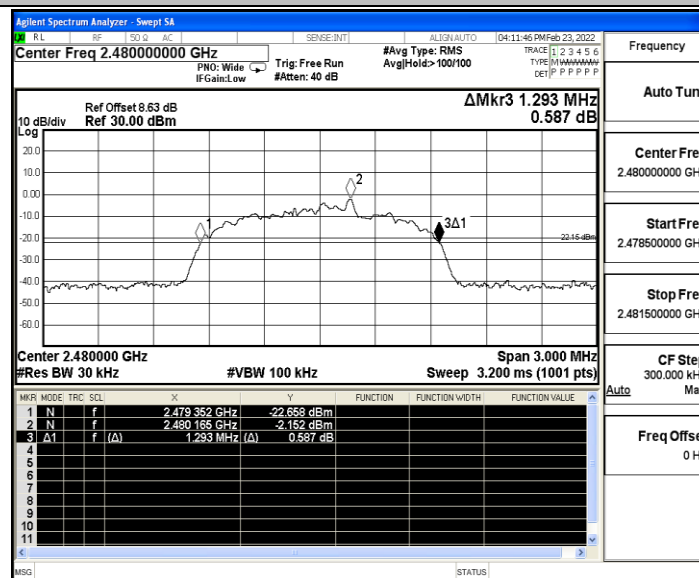
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

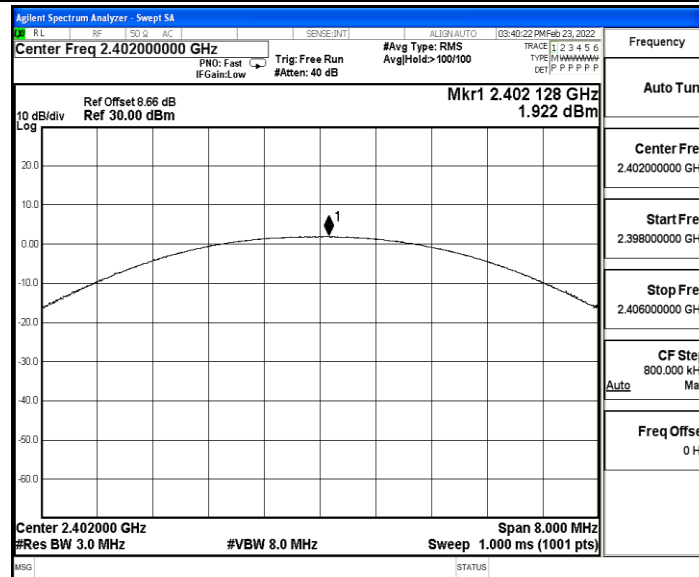
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.92	≤20.97	PASS
		2441	3.45	≤20.97	PASS
		2480	1.8	≤20.97	PASS
2DH5	Ant1	2402	0.99	≤20.97	PASS
		2441	2.48	≤20.97	PASS
		2480	1.01	≤20.97	PASS
3DH5	Ant1	2402	1.18	≤20.97	PASS
		2441	2.69	≤20.97	PASS
		2480	1.17	≤20.97	PASS

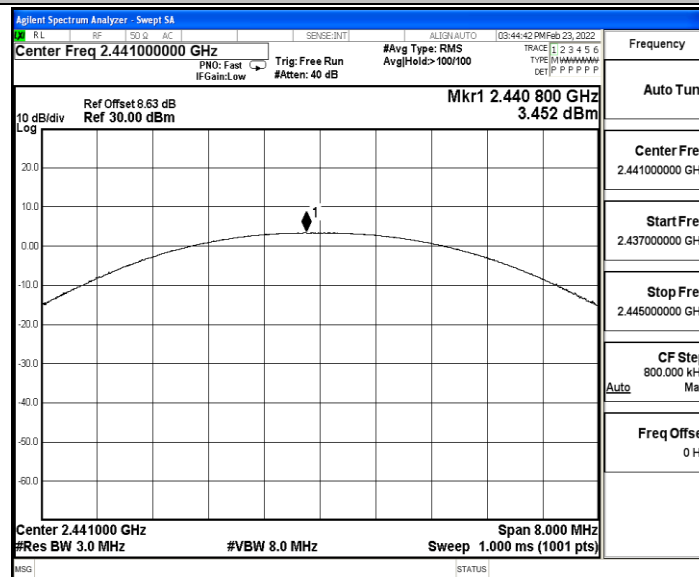


Test Graphs

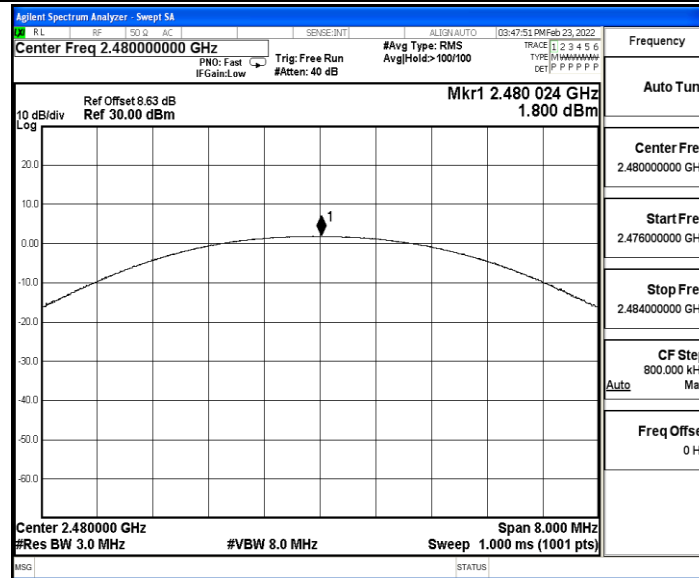
DH5_Ant1_2402



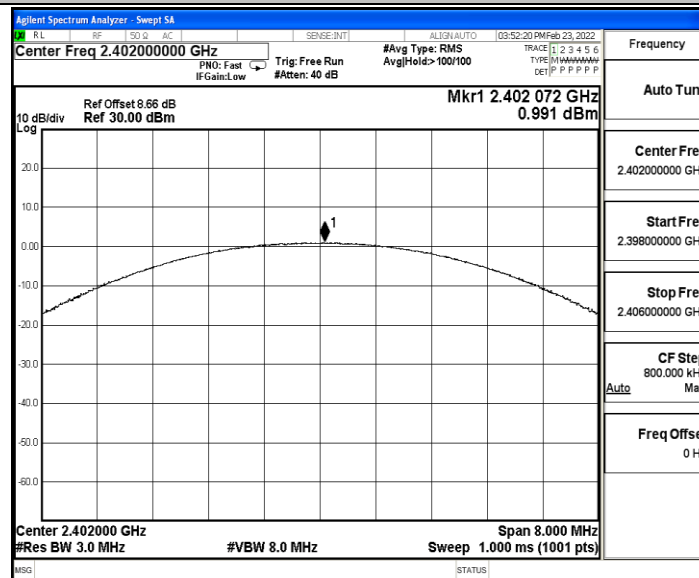
DH5_Ant1_2441



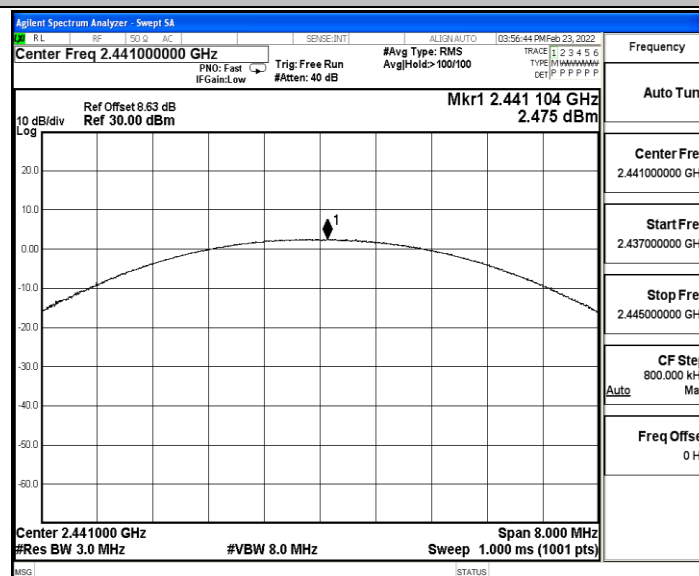
DH5_Ant1_2480



2DH5_Ant1_2402

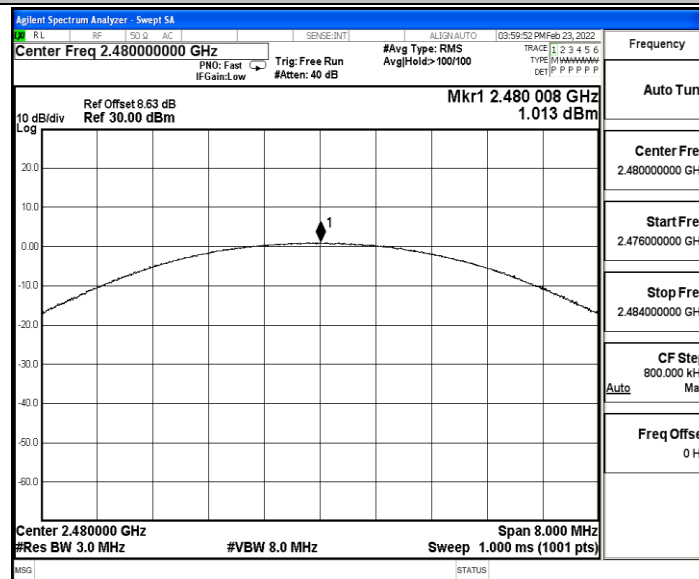


2DH5_Ant1_2441

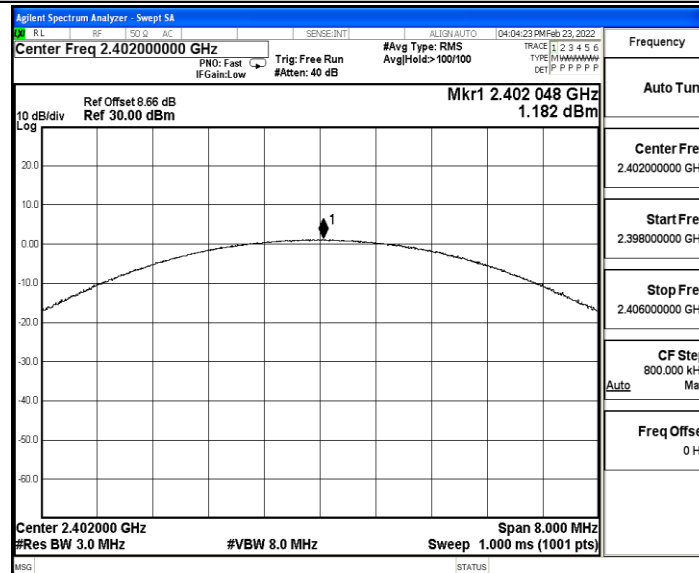




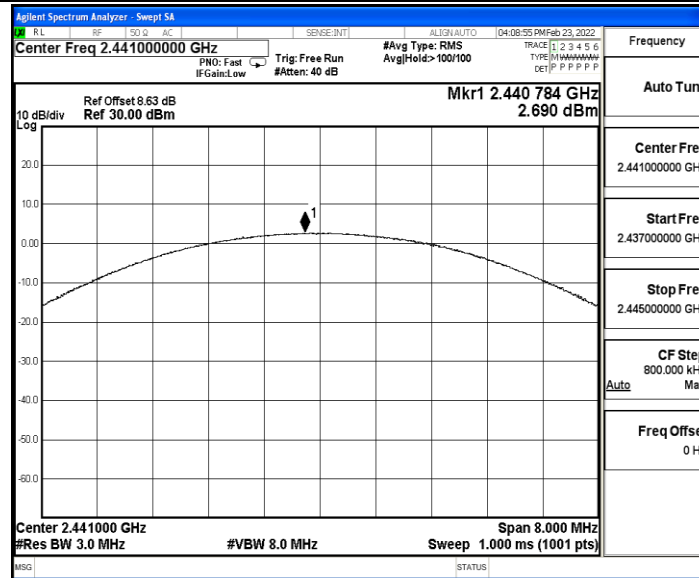
2DH5_Ant1_2480



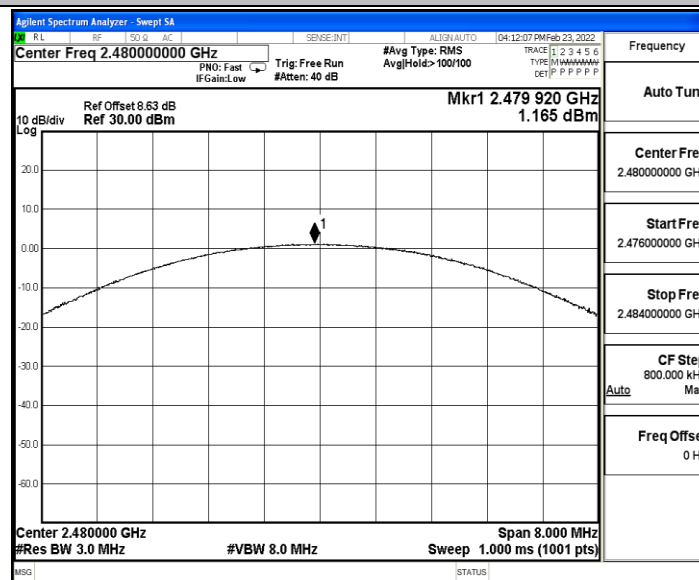
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

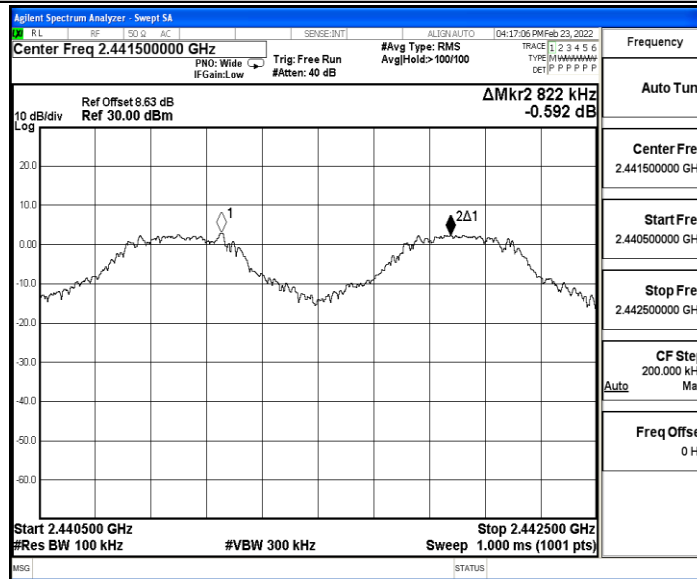
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.822	≥ 0.694	PASS
2DH5	Ant1	Hop	1.04	≥ 0.888	PASS
3DH5	Ant1	Hop	0.992	≥ 0.864	PASS

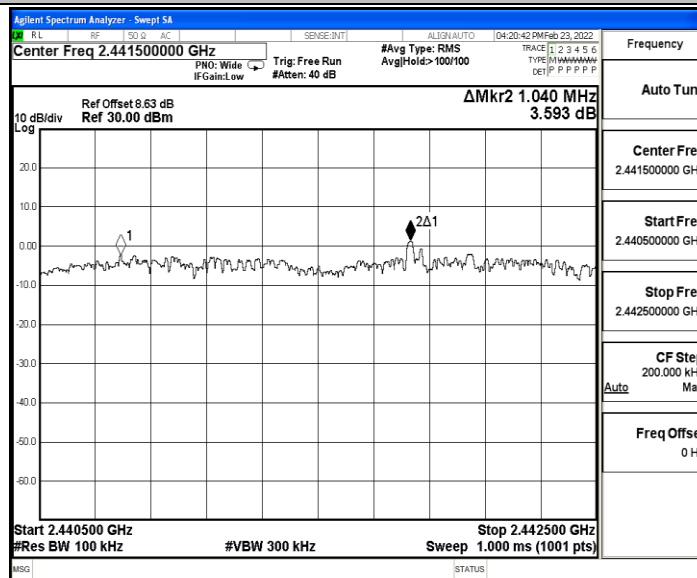


Test Graphs

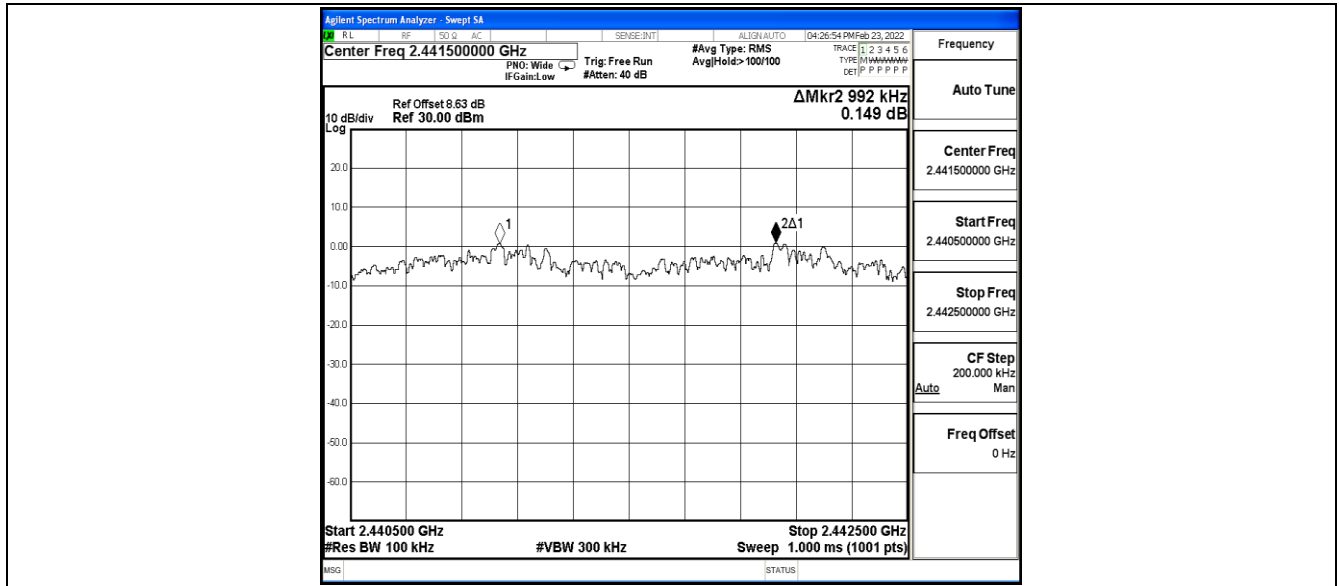
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

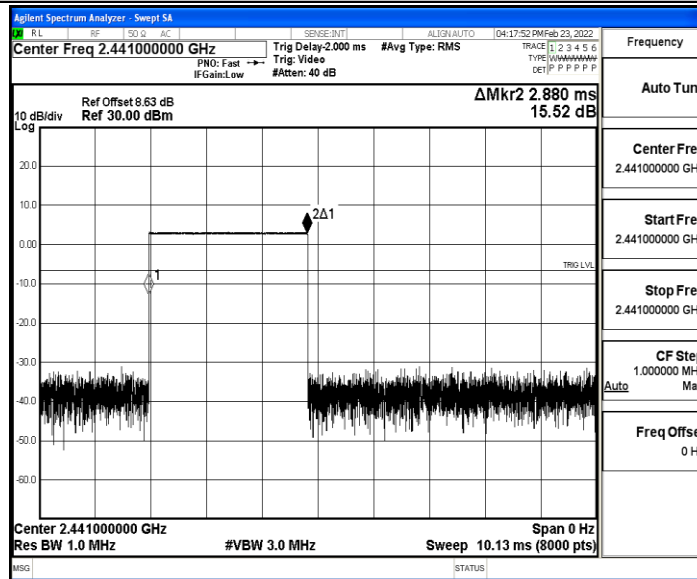
Test Result

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	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS

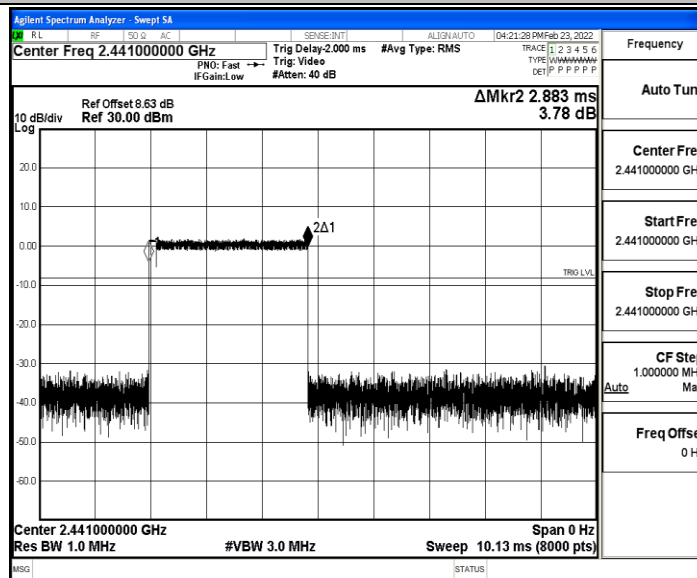


Test Graphs

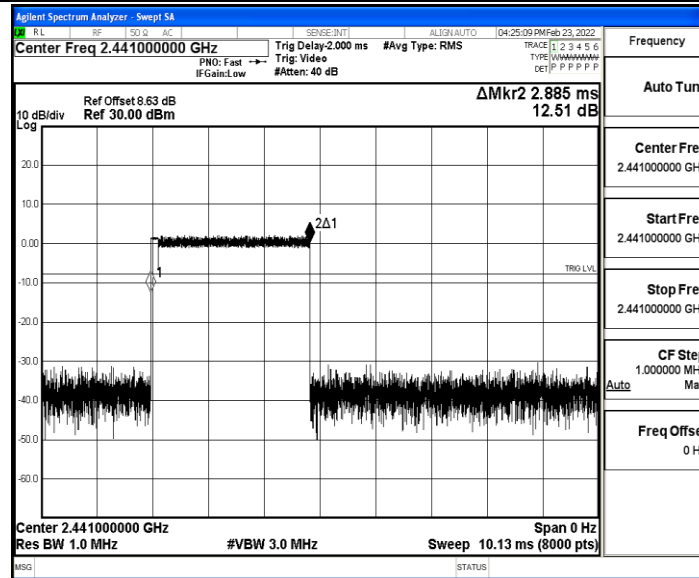
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.5 Number of hopping channels

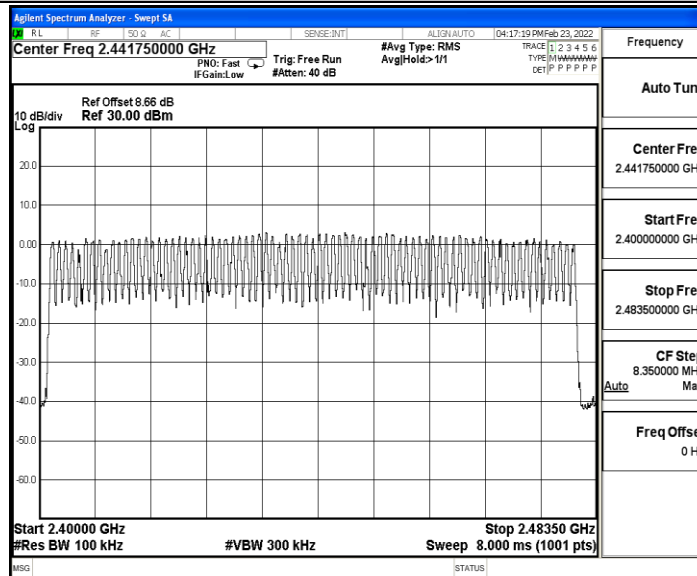
Test Result

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

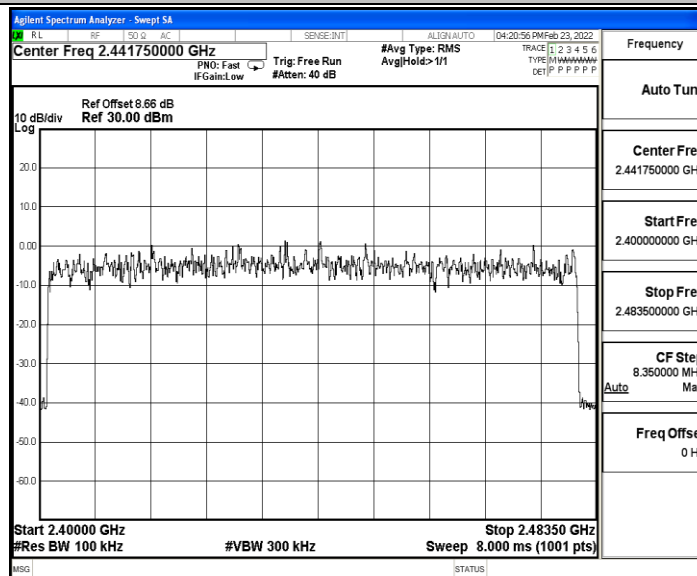


Test Graphs

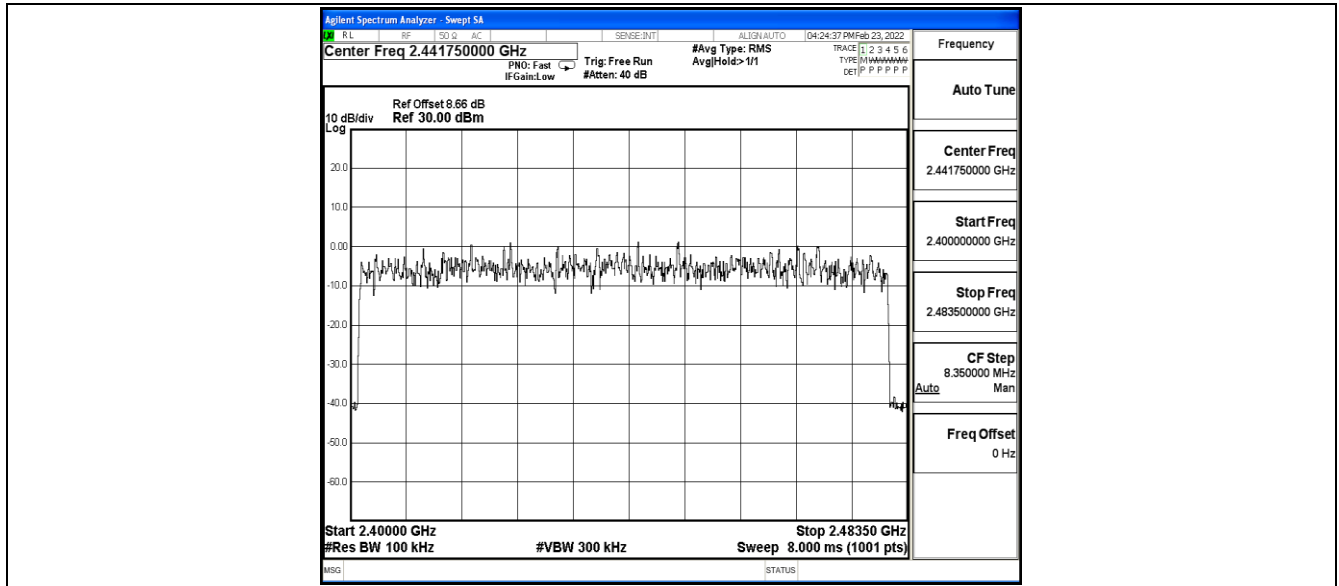
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

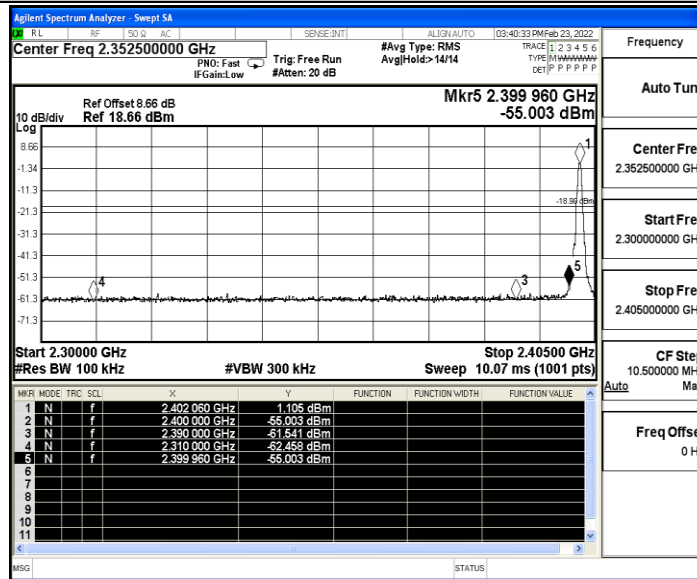
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.11	-55	≤ -18.9	PASS
		High	2480	1.24	-56.84	≤ -18.76	PASS
		Low	Hop_2402	1.06	-59.06	≤ -18.94	PASS
		High	Hop_2480	1.50	-58.35	≤ -18.5	PASS
2DH5	Ant1	Low	2402	-0.32	-55.51	≤ -20.32	PASS
		High	2480	-0.13	-57.94	≤ -20.13	PASS
		Low	Hop_2402	-3.80	-59.27	≤ -23.8	PASS
		High	Hop_2480	-1.22	-57.68	≤ -21.22	PASS
3DH5	Ant1	Low	2402	-0.63	-57.26	≤ -20.63	PASS
		High	2480	-0.08	-57.08	≤ -20.08	PASS
		Low	Hop_2402	-3.64	-59.03	≤ -23.64	PASS
		High	Hop_2480	-0.55	-57.81	≤ -20.55	PASS

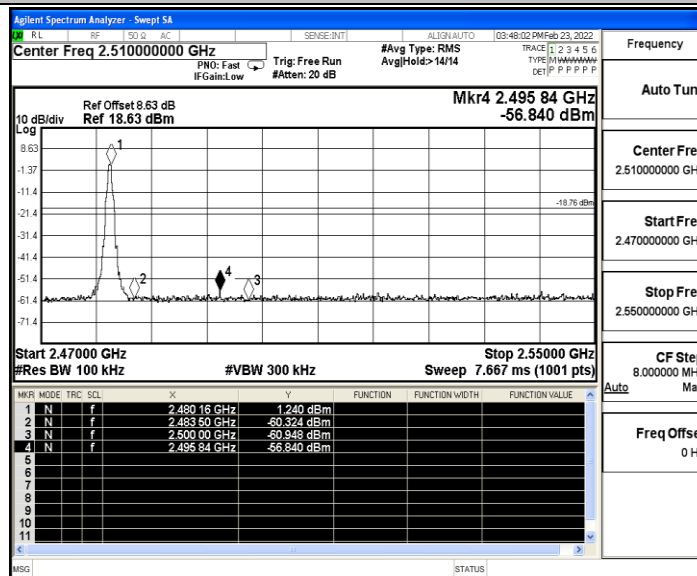


Test Graphs

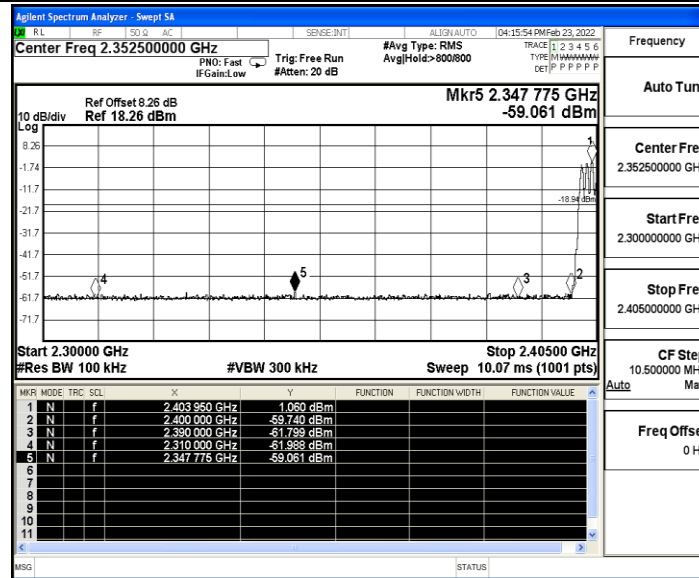
DH5_Ant1_Low_2402



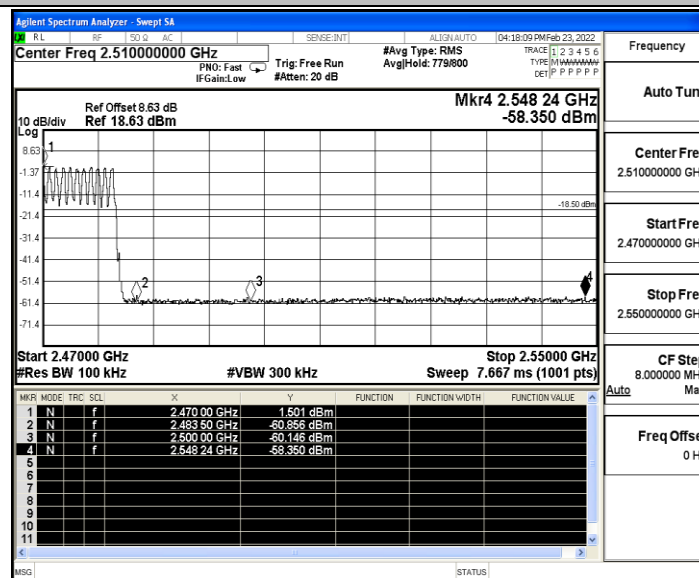
DH5_Ant1_High_2480



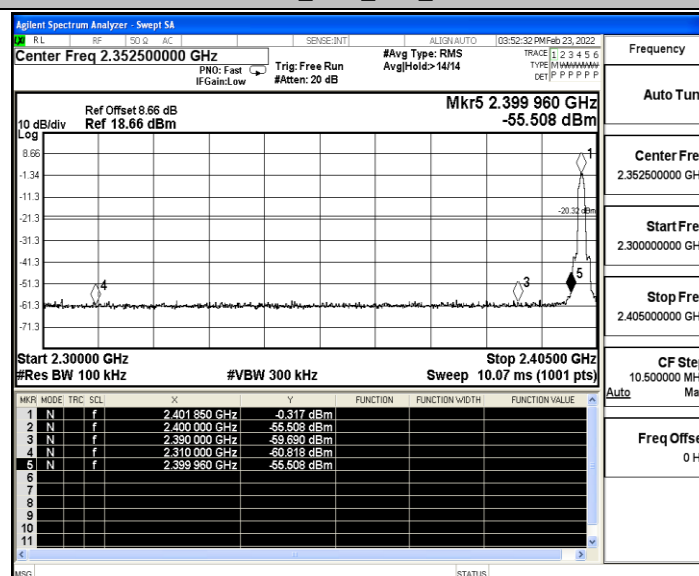
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

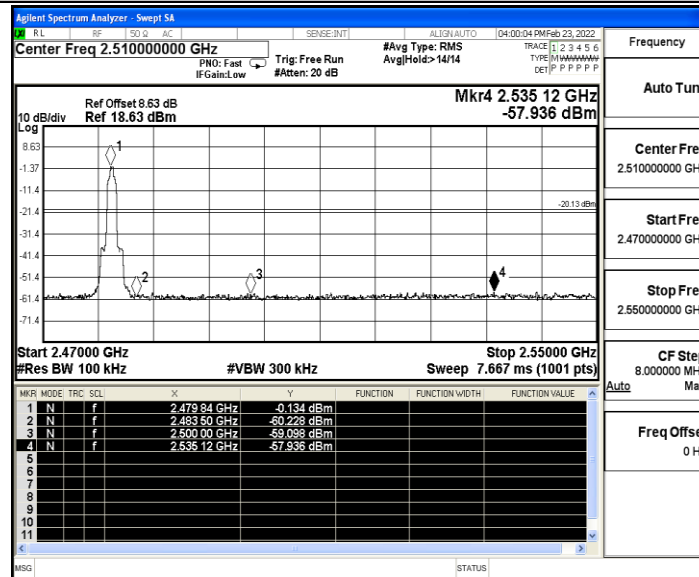


2DH5_Ant1_Low_2402

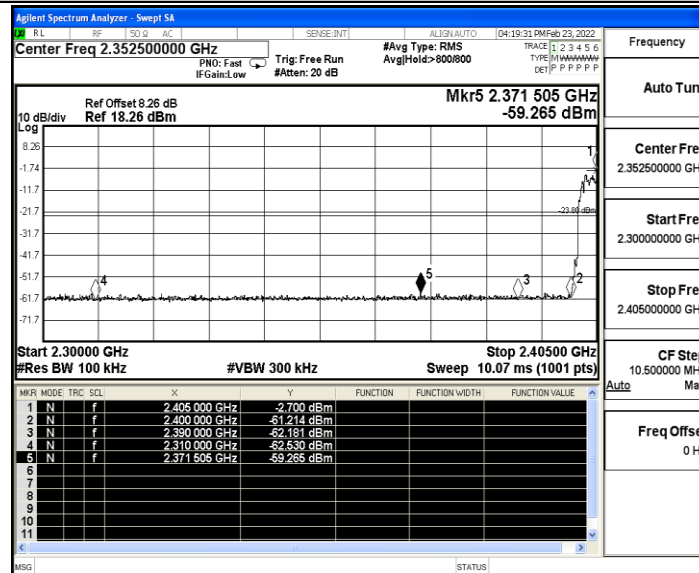




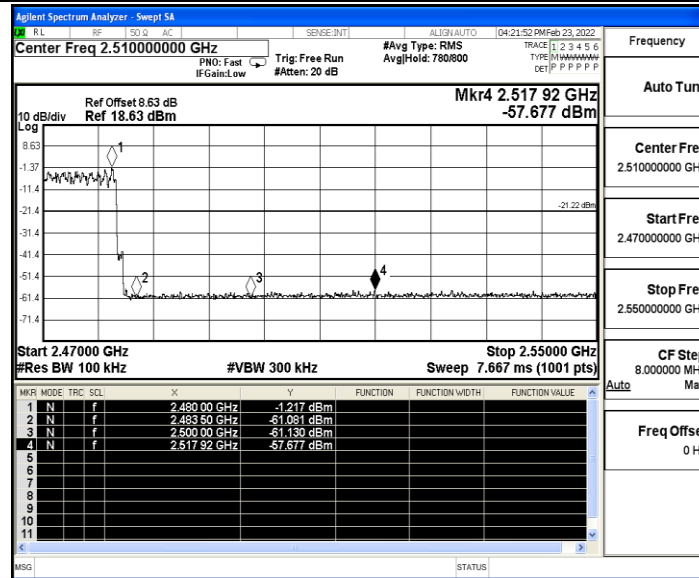
2DH5_Ant1_High_2480



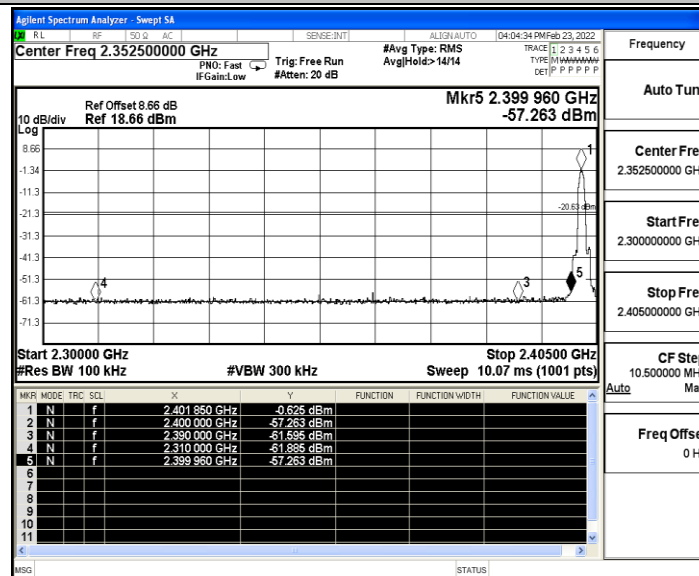
2DH5_Ant1_Low_Hop_2402



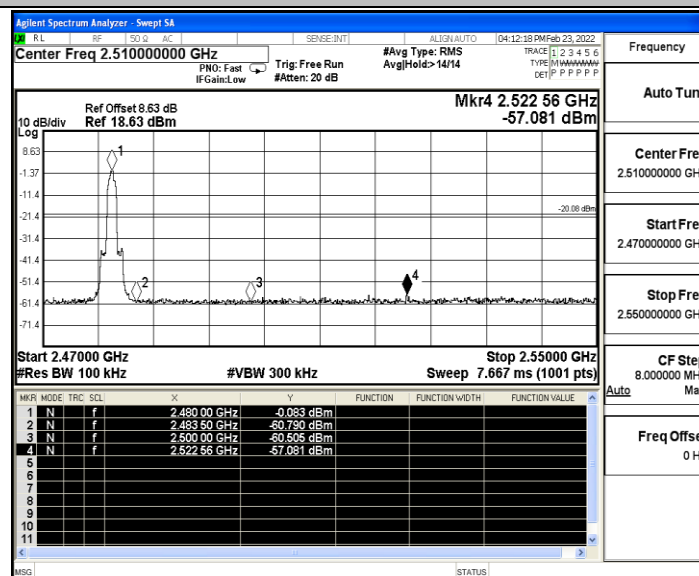
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

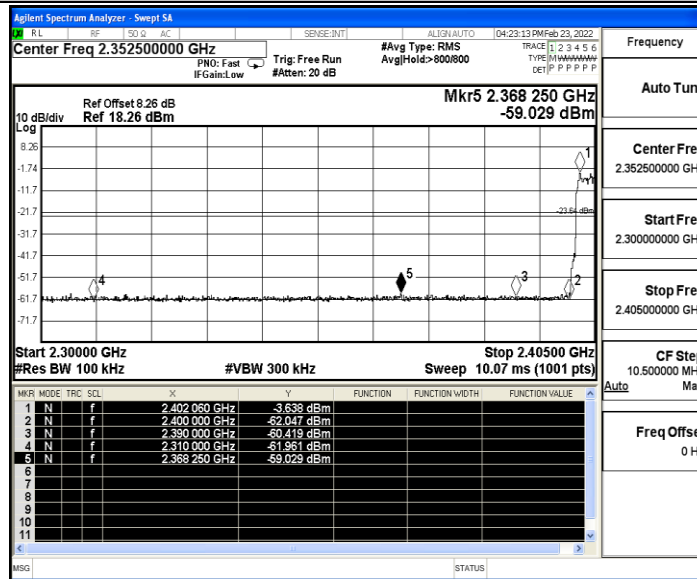


3DH5_Ant1_High_2480

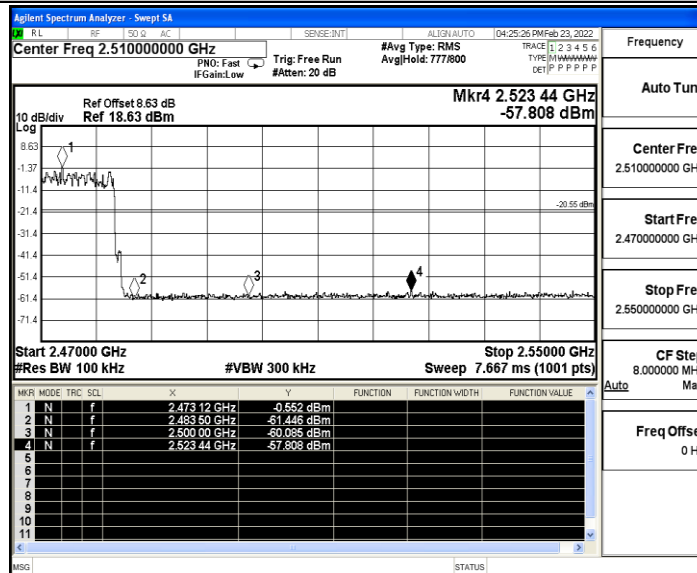




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

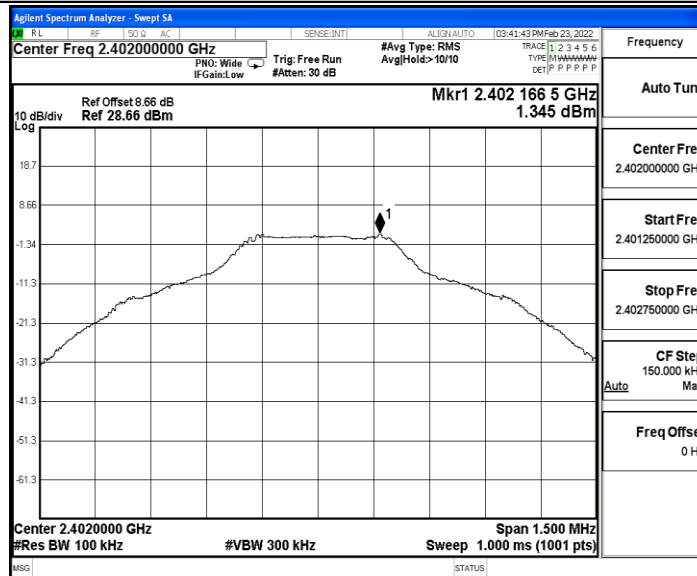
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.35	1.35	---	PASS
			30~1000	1.35	-60.47	≤ -18.65	PASS
			1000~26500	1.35	-45.68	≤ -18.65	PASS
		2441	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-60.96	≤ -17.14	PASS
			1000~26500	2.86	-45.79	≤ -17.14	PASS
		2480	Reference	1.22	1.22	---	PASS
			30~1000	1.22	-60.44	≤ -18.78	PASS
			1000~26500	1.22	-46.1	≤ -18.78	PASS
2DH5	Ant1	2402	Reference	-0.20	-0.20	---	PASS
			30~1000	-0.20	-61.05	≤ -20.2	PASS
			1000~26500	-0.20	-46.22	≤ -20.2	PASS
		2441	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-59.68	≤ -18.79	PASS
			1000~26500	1.21	-46.3	≤ -18.79	PASS
		2480	Reference	-0.28	-0.28	---	PASS
			30~1000	-0.28	-61.26	≤ -20.28	PASS
			1000~26500	-0.28	-46.2	≤ -20.28	PASS
3DH5	Ant1	2402	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-60.96	≤ -20.37	PASS
			1000~26500	-0.37	-46.4	≤ -20.37	PASS
		2441	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-60.72	≤ -18.62	PASS
			1000~26500	1.38	-45.65	≤ -18.62	PASS
		2480	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-60.82	≤ -20.17	PASS
			1000~26500	-0.17	-45.05	≤ -20.17	PASS

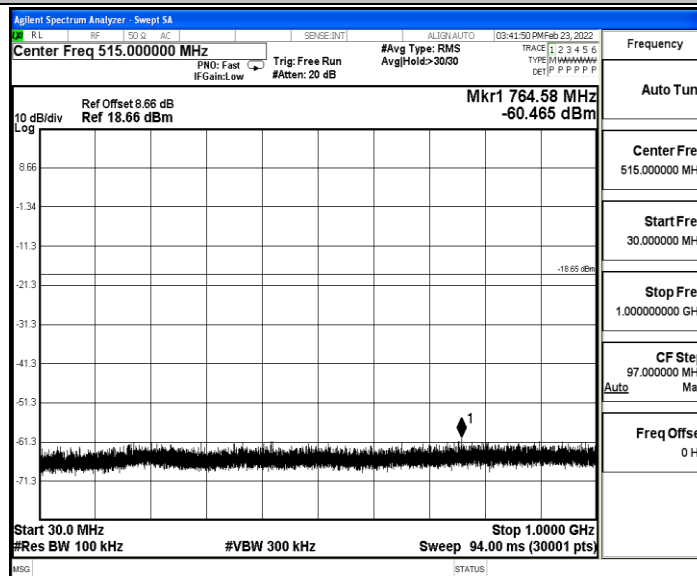


Test Graphs

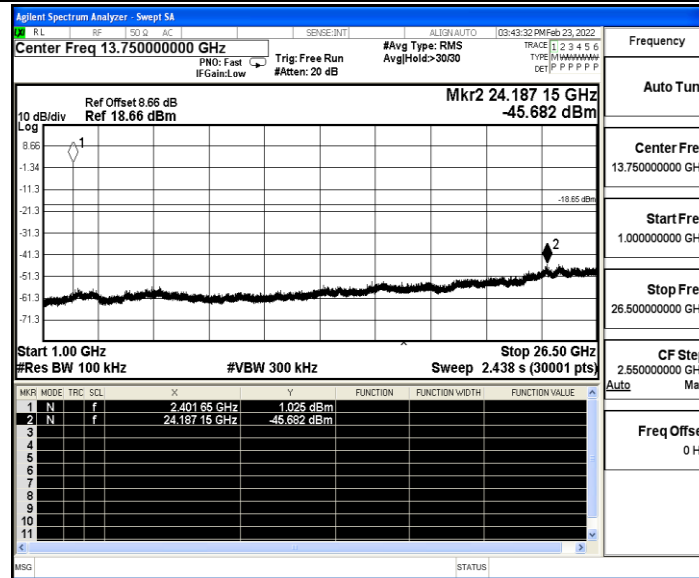
DH5_Ant1_2402_0-Reference



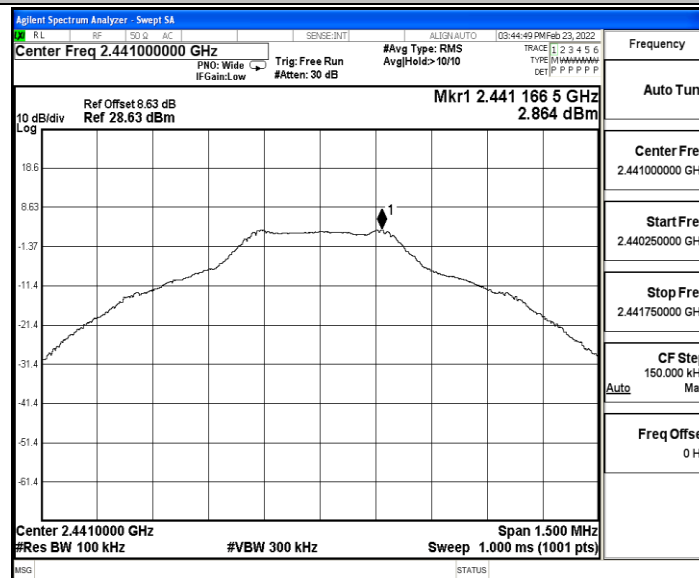
DH5_Ant1_2402_30-1000



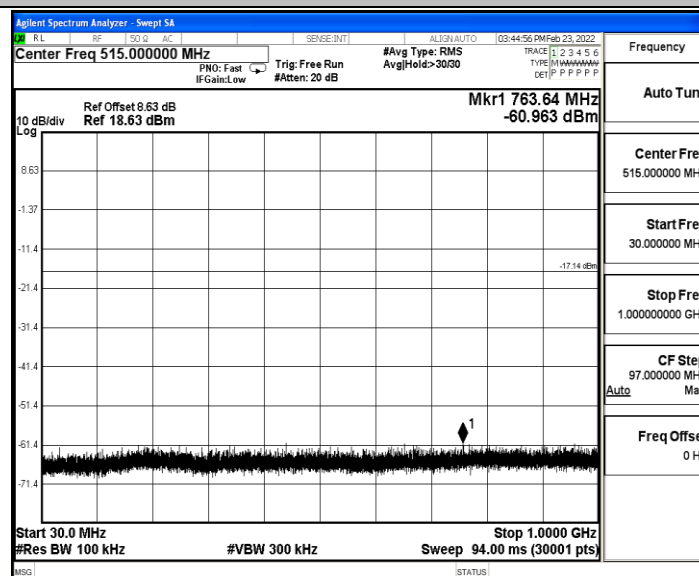
DH5_Ant1_2402_1000-26500



DH5_Ant1_2441_0-Reference

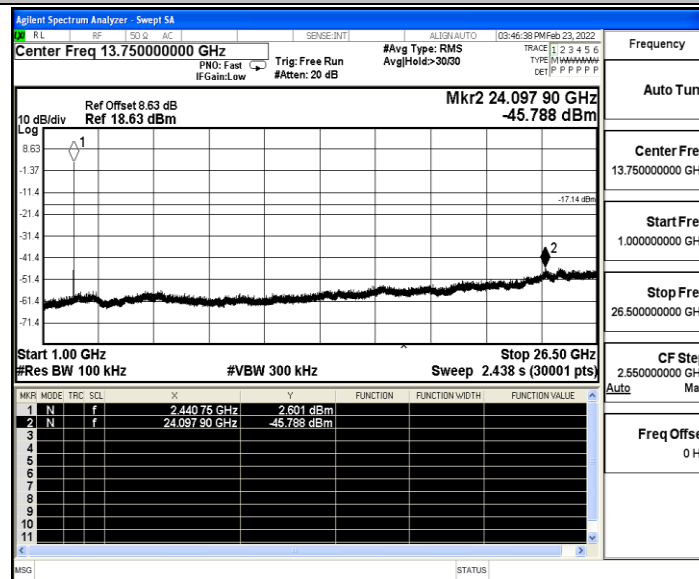


DH5_Ant1_2441_30-1000

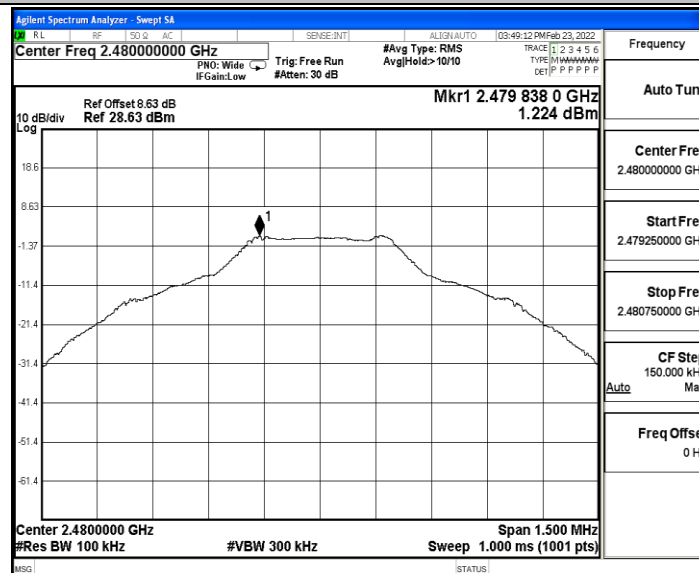




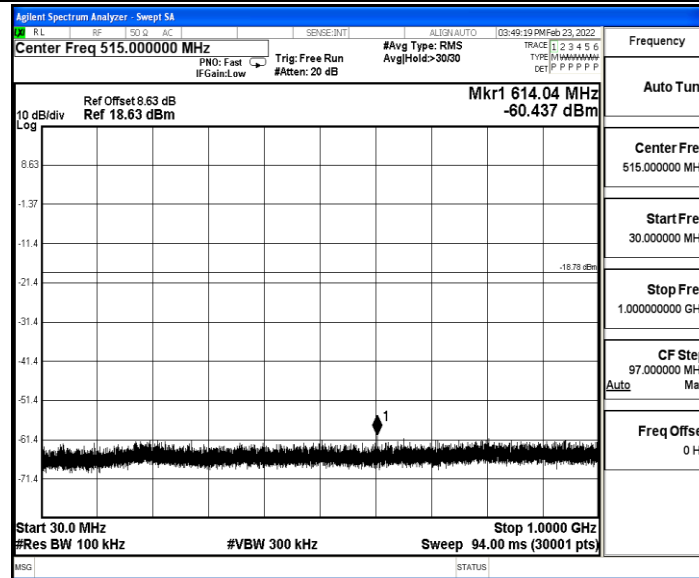
DH5_Ant1_2441_1000~26500



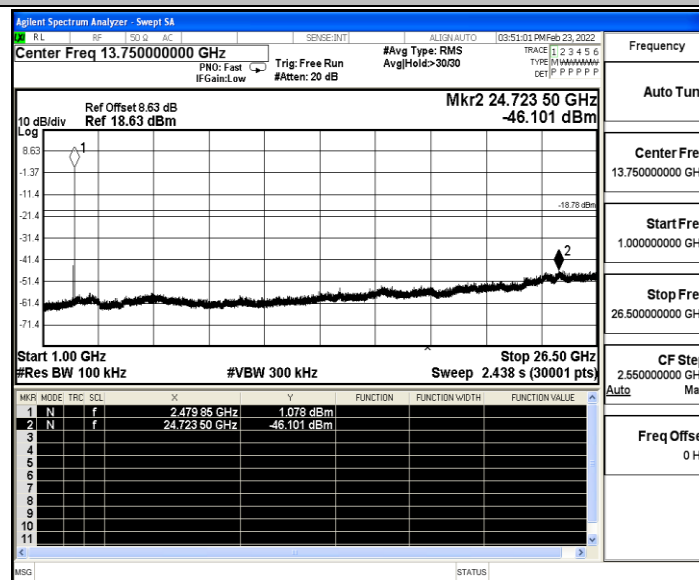
DH5_Ant1_2480_0~Reference



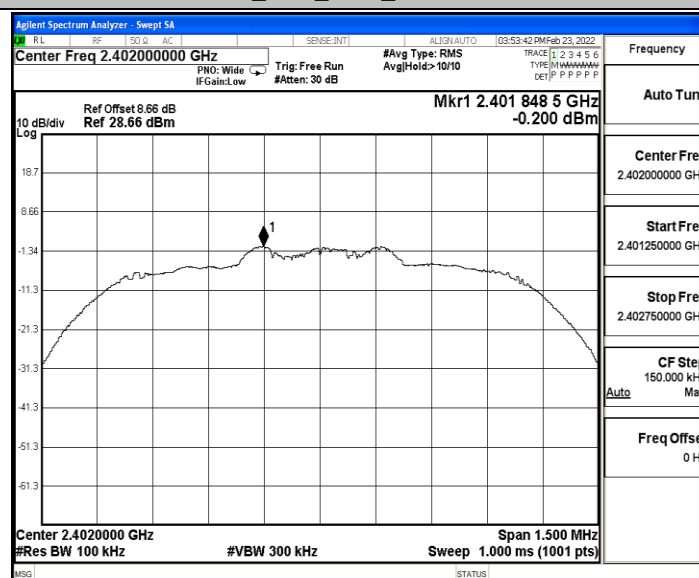
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

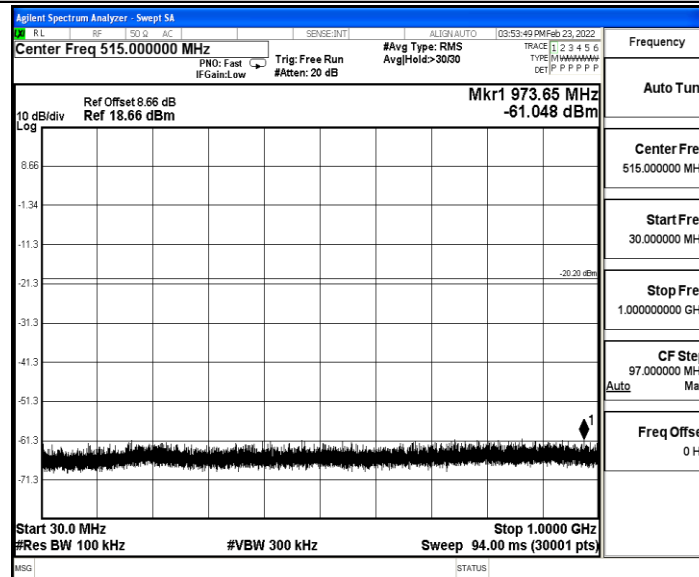


2DH5_Ant1_2402_0~Reference

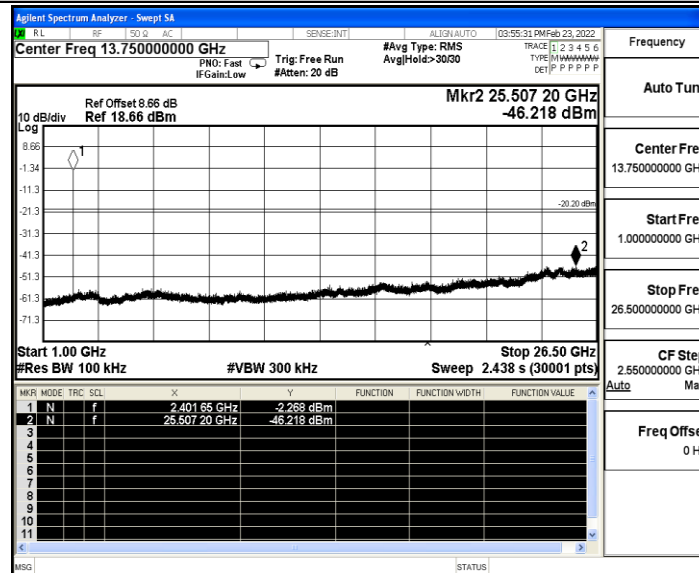




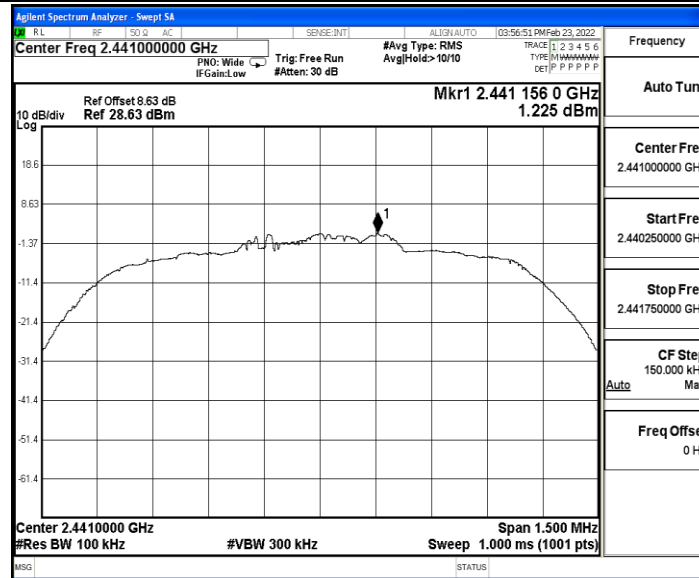
2DH5_Ant1_2402_30~1000



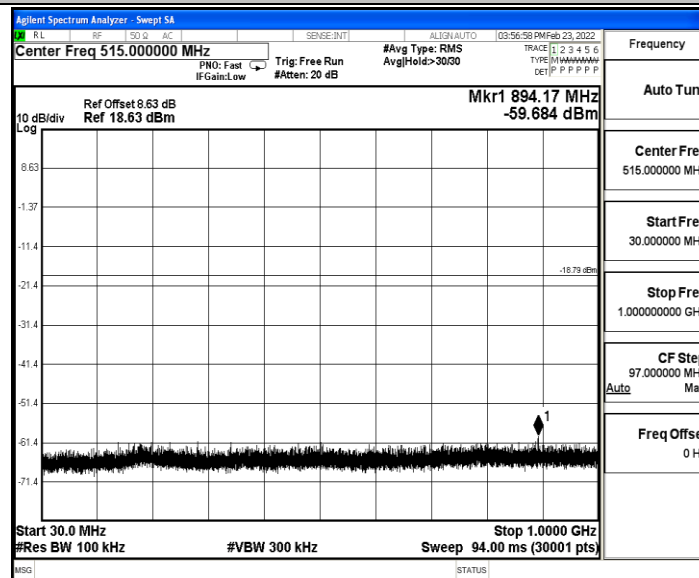
2DH5_Ant1_2402_1000~26500



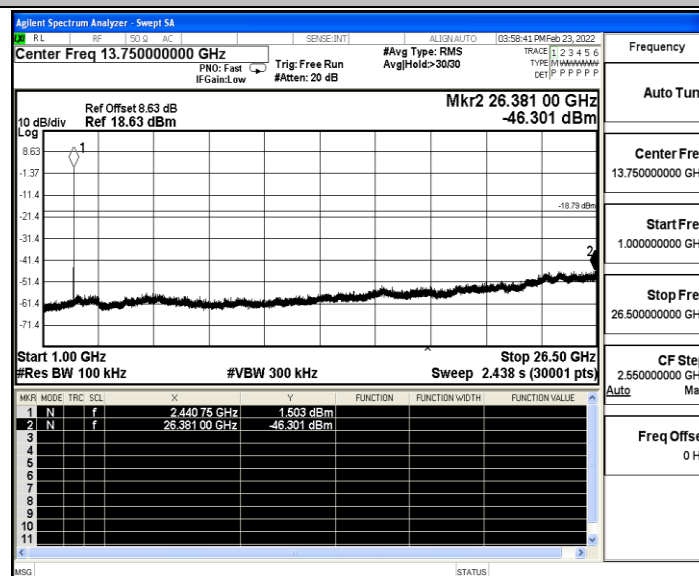
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

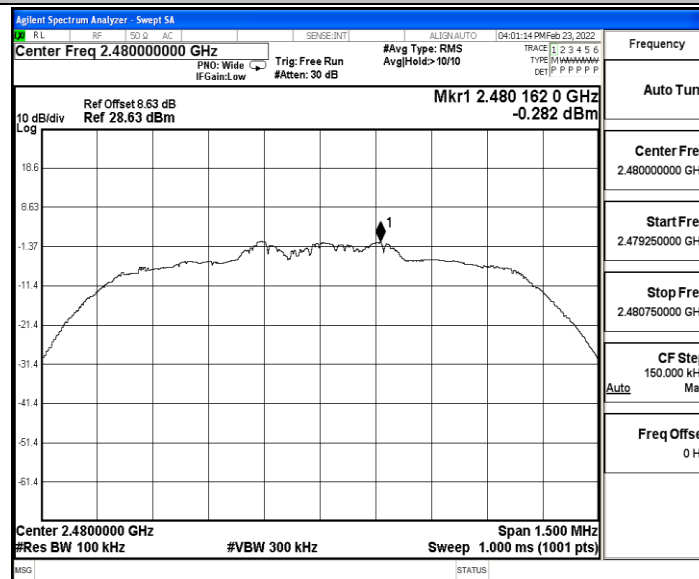


2DH5_Ant1_2441_1000~26500

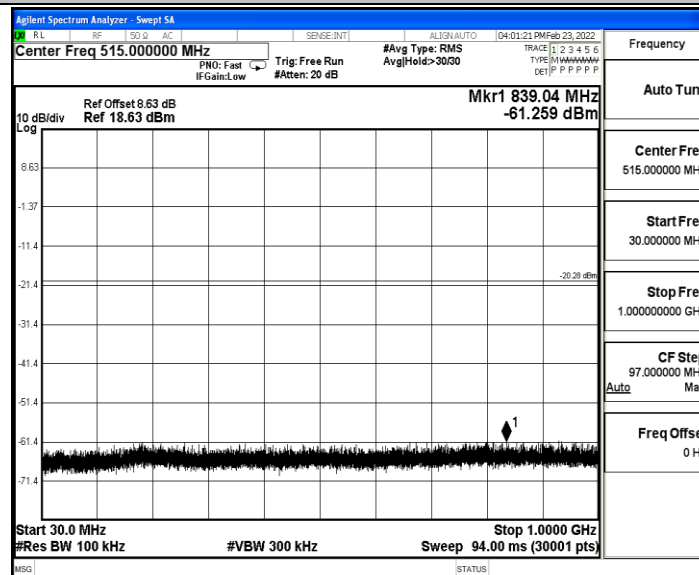




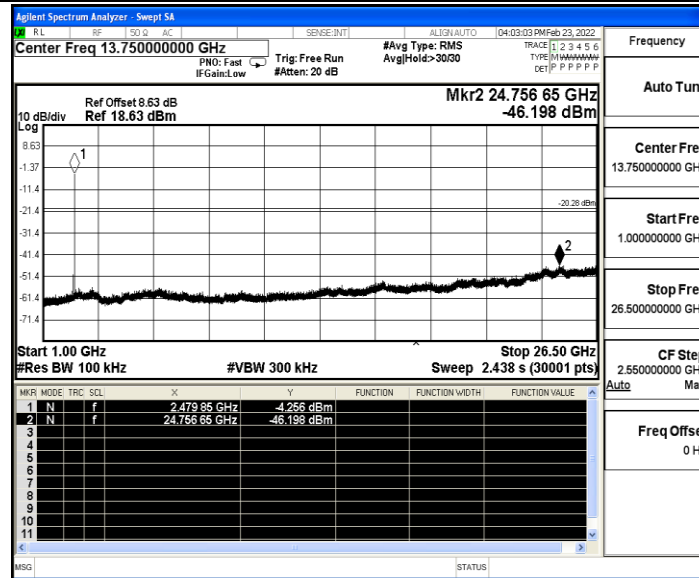
2DH5_Ant1_2480_0~Reference



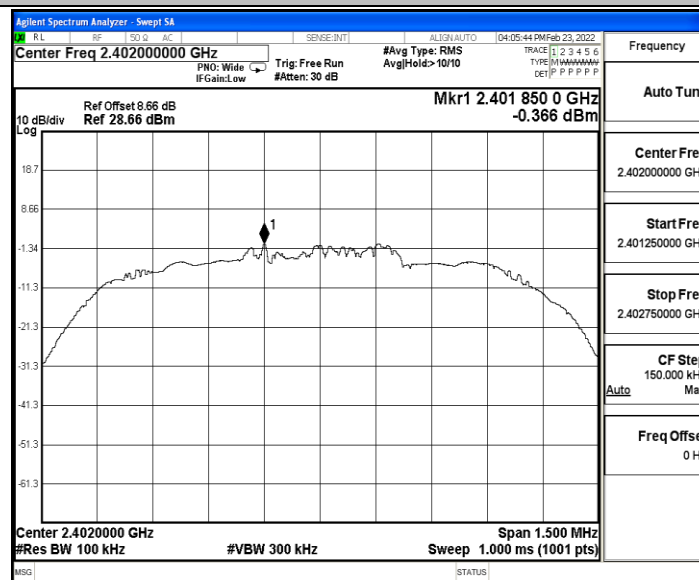
2DH5_Ant1_2480_30~1000



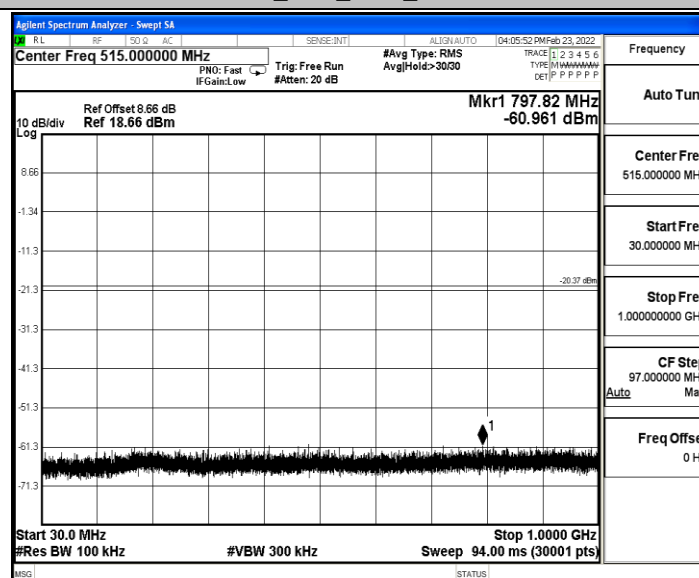
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0-Reference

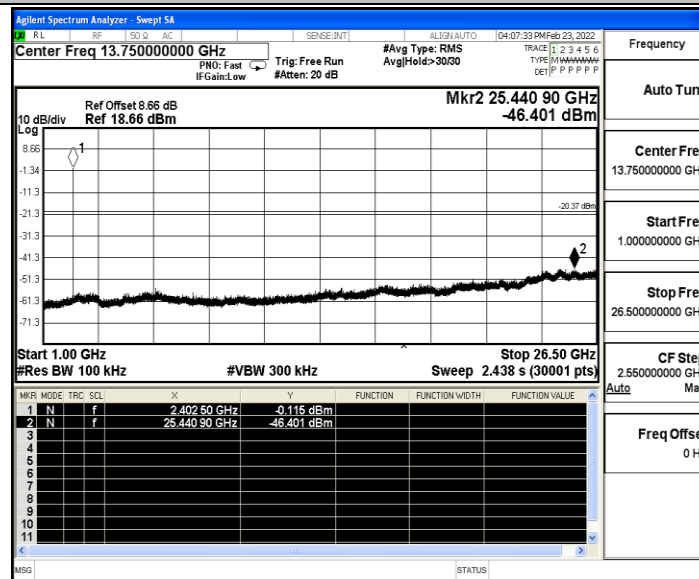


3DH5_Ant1_2402_30~1000

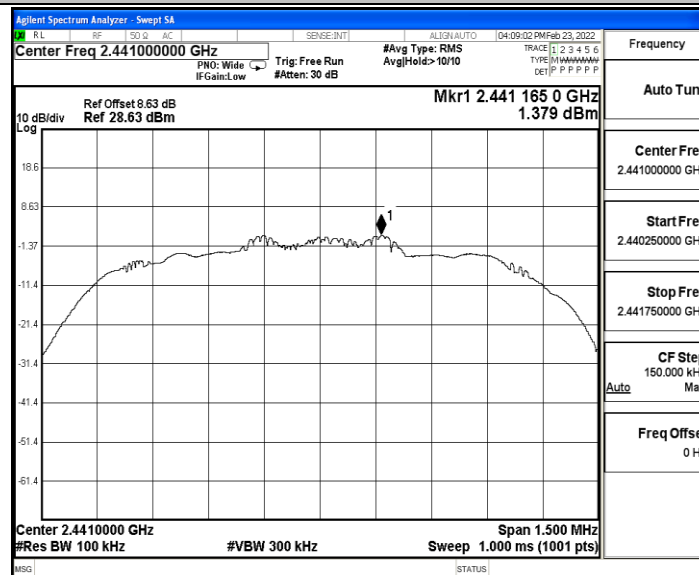




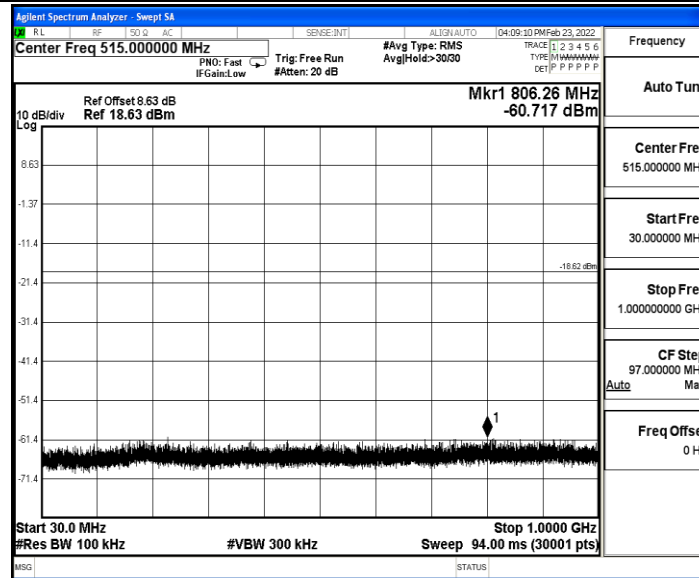
3DH5_Ant1_2402_1000~26500



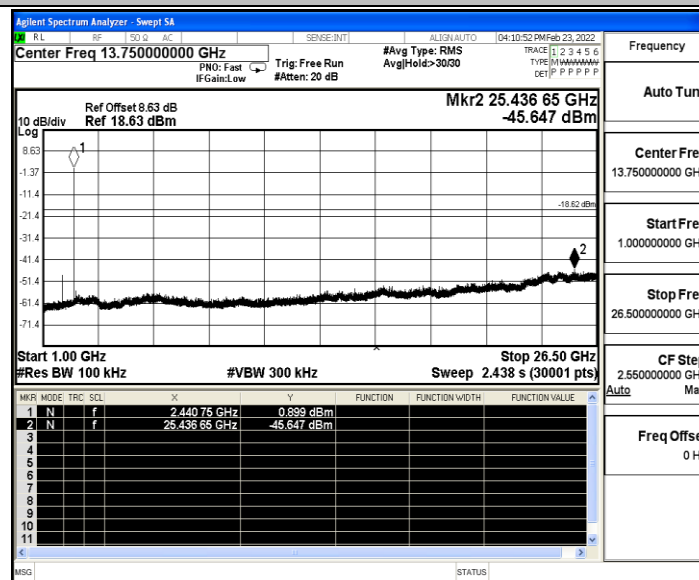
3DH5_Ant1_2441_0~Reference



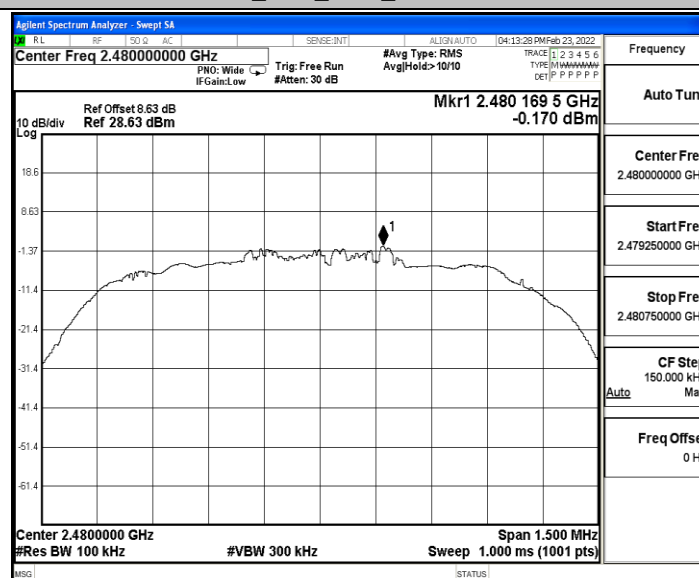
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

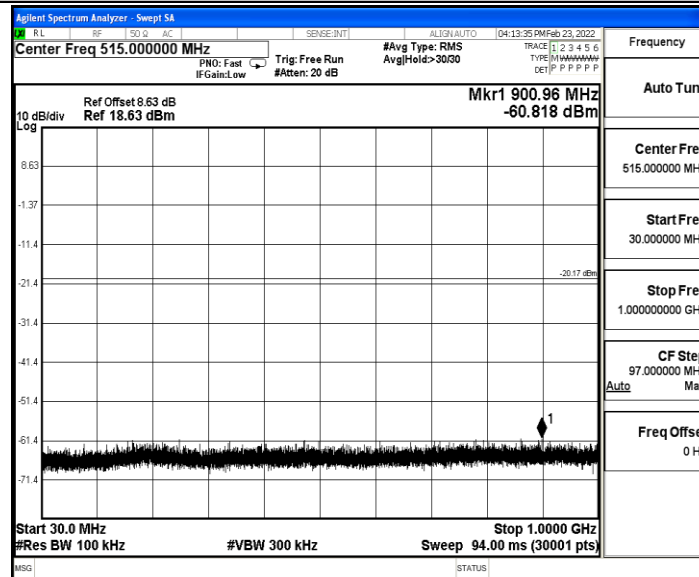


3DH5_Ant1_2480_0~Reference

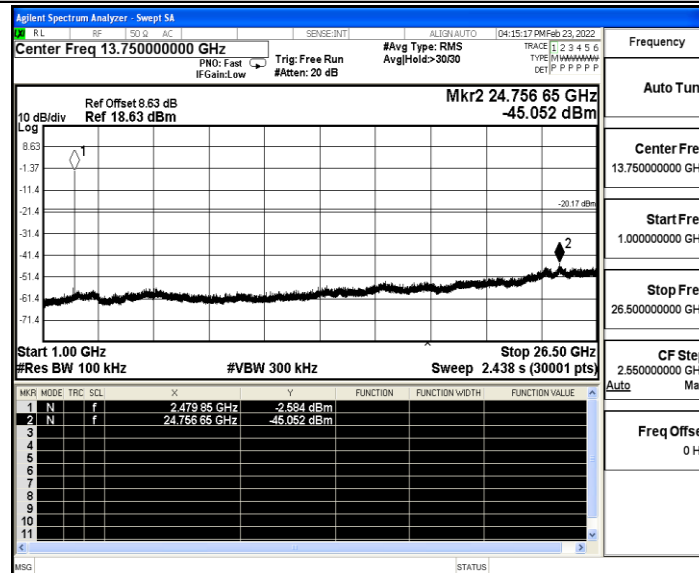




3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500





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	-58.23	≤-41.20	36.97	≤54	PASS
				AV	2389.985	-57.66	≤-41.20	37.54	≤54	PASS
				AV	2390.000	-57.66	≤-41.20	37.54	≤54	PASS
				Peak	2310.000	-48.25	≤-21.20	46.95	≤74	PASS
				Peak	2376.125	-46.38	≤-21.20	48.82	≤74	PASS
				Peak	2390.000	-48.51	≤-21.20	46.69	≤74	PASS
		High	2480	AV	2483.500	-54.53	≤-41.20	40.67	≤54	PASS
				AV	2483.520	-54.53	≤-41.20	40.67	≤54	PASS
				AV	2500.000	-57.23	≤-41.20	37.97	≤54	PASS
				Peak	2483.500	-47.41	≤-21.20	47.79	≤74	PASS
				Peak	2492.160	-45.94	≤-21.20	49.26	≤74	PASS
				Peak	2500.000	-47.19	≤-21.20	48.01	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-49.56	≤-21.20	45.64	≤74	PASS
				Peak	2351.240	-47.05	≤-21.20	48.15	≤74	PASS
				Peak	2390.000	-48.97	≤-21.20	46.23	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-48.06	≤-21.20	47.14	≤74	PASS
				Peak	2499.360	-45.48	≤-21.20	49.72	≤74	PASS
				Peak	2500.000	-47.21	≤-21.20	47.99	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-58.12	≤-41.20	37.08	≤54	PASS
				AV	2389.880	-57.64	≤-41.20	37.56	≤54	PASS
				AV	2390.000	-57.83	≤-41.20	37.37	≤54	PASS
				Peak	2310.000	-49.18	≤-21.20	46.02	≤74	PASS
				Peak	2376.650	-46.71	≤-21.20	48.49	≤74	PASS
				Peak	2390.000	-48.57	≤-21.20	46.63	≤74	PASS
		High	2480	AV	2483.500	-54.31	≤-41.20	40.89	≤54	PASS
				AV	2483.520	-54.39	≤-41.20	40.81	≤54	PASS
				AV	2500.000	-57.19	≤-41.20	38.01	≤54	PASS
				Peak	2483.500	-46.33	≤-21.20	48.87	≤74	PASS
				Peak	2489.040	-46.26	≤-21.20	48.94	≤74	PASS
				Peak	2500.000	-47.35	≤-21.20	47.85	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-48.59	≤-21.20	46.61	≤74	PASS
				Peak	2352.605	-47.13	≤-21.20	48.07	≤74	PASS
				Peak	2390.000	-48.83	≤-21.20	46.37	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-47.87	≤-21.20	47.33	≤74	PASS
				Peak	2486.640	-45.64	≤-21.20	49.56	≤74	PASS
				Peak	2500.000	-48.34	≤-21.20	46.86	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-58.21	≤-41.20	36.99	≤54	PASS



				AV	2389.985	-57.56	≤-41.20	37.64	≤54	PASS
				AV	2390.000	-57.56	≤-41.20	37.64	≤54	PASS
				Peak	2310.000	-48.23	≤-21.20	46.97	≤74	PASS
				Peak	2349.770	-46.72	≤-21.20	48.48	≤74	PASS
				Peak	2390.000	-48.38	≤-21.20	46.82	≤74	PASS
		High	2480	AV	2483.500	-54.15	≤-41.20	41.05	≤54	PASS
				AV	2483.520	-54.22	≤-41.20	40.98	≤54	PASS
				AV	2500.000	-57.3	≤-41.20	37.90	≤54	PASS
				Peak	2483.500	-47.24	≤-21.20	47.96	≤74	PASS
				Peak	2484.880	-44.97	≤-21.20	50.23	≤74	PASS
				Peak	2500.000	-47.78	≤-21.20	47.42	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-48.73	≤-21.20	46.47	≤74	PASS
				Peak	2346.725	-46.53	≤-21.20	48.67	≤74	PASS
				Peak	2390.000	-48.71	≤-21.20	46.49	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-47.1	≤-21.20	48.10	≤74	PASS
				Peak	2498.720	-46.18	≤-21.20	49.02	≤74	PASS
				Peak	2500.000	-46.89	≤-21.20	48.31	≤74	PASS

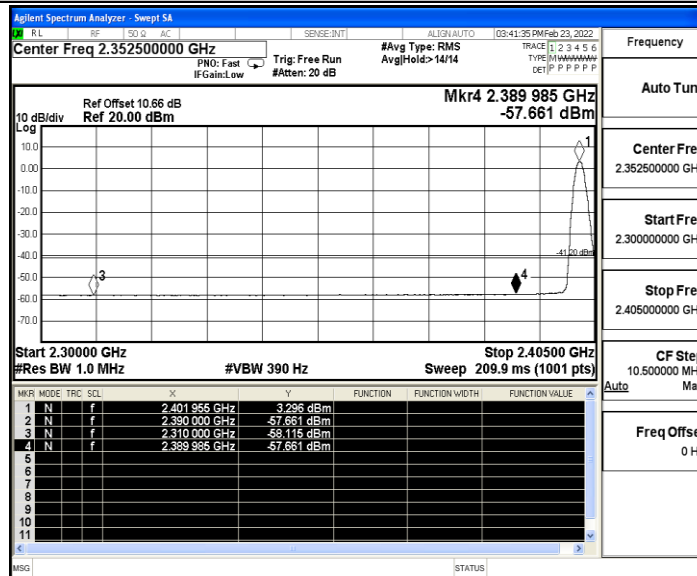
Note:

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.

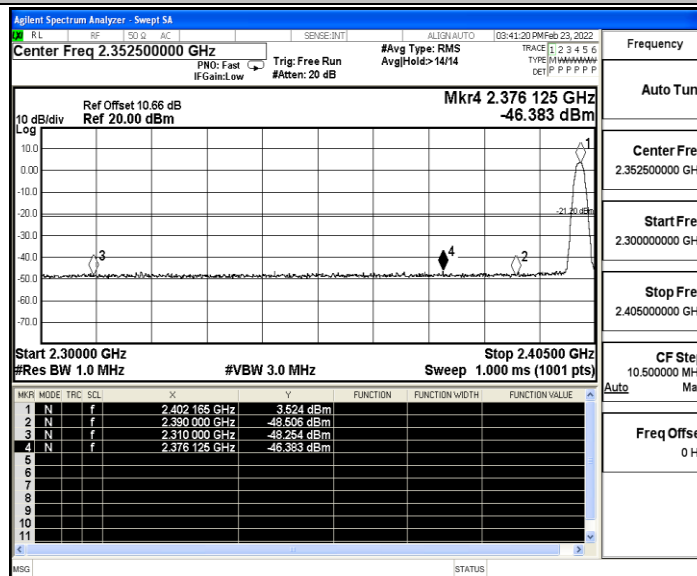


Test Graphs

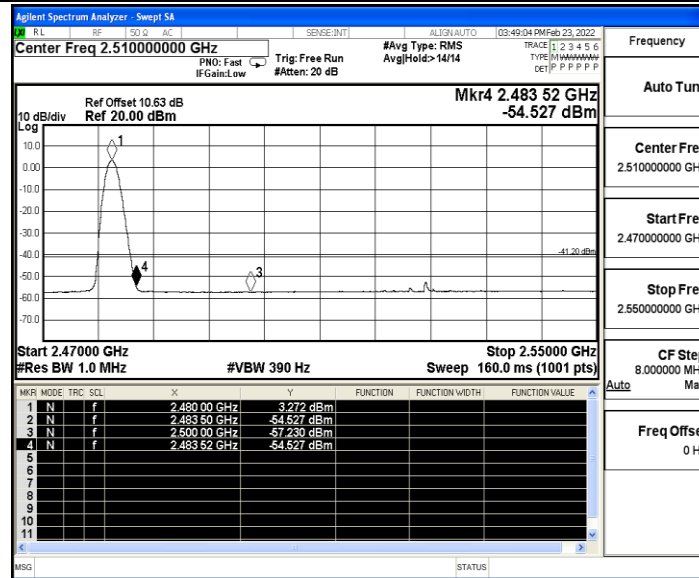
DH5_Ant1_Low_2402_AV



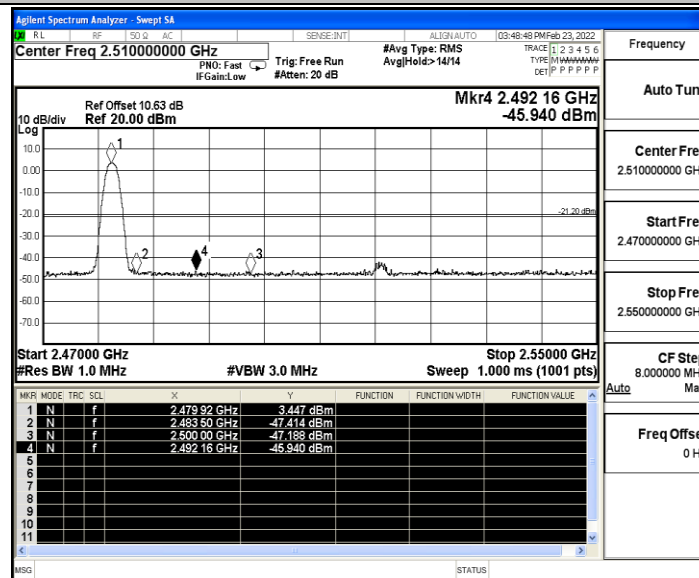
DH5_Ant1_Low_2402_Peak



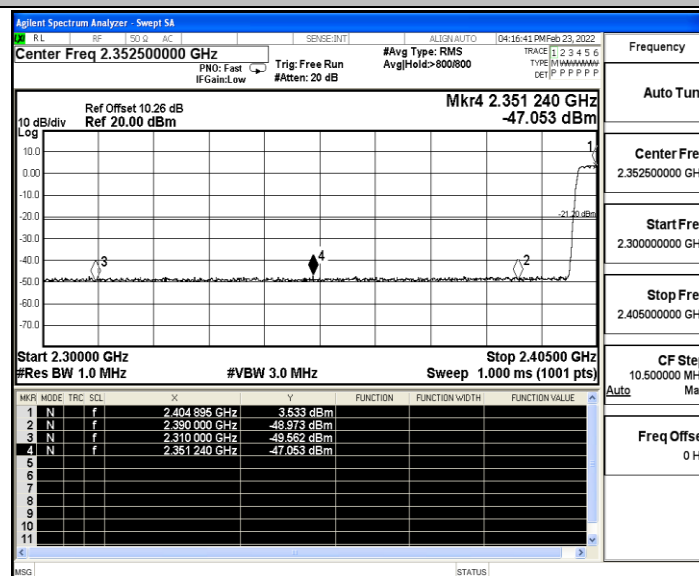
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

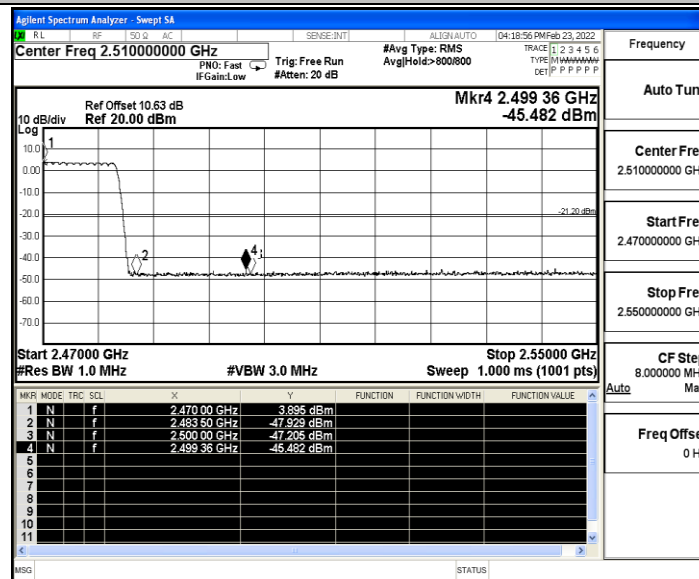


DH5_Ant1_Low_Hop_2402_Peak

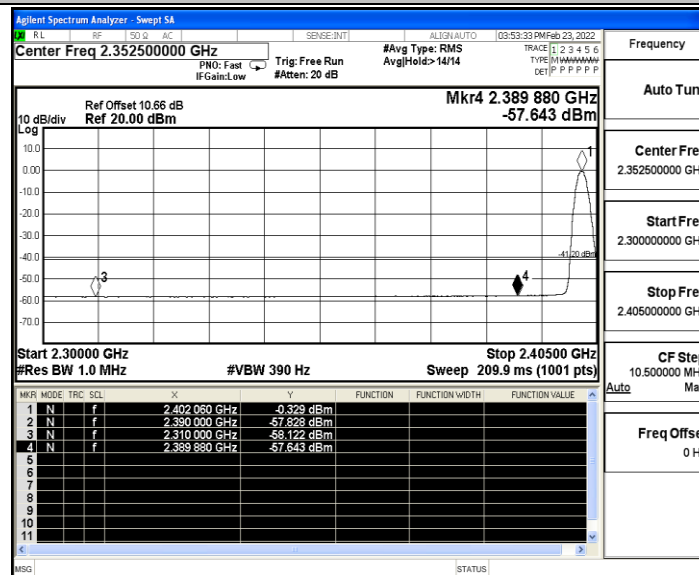




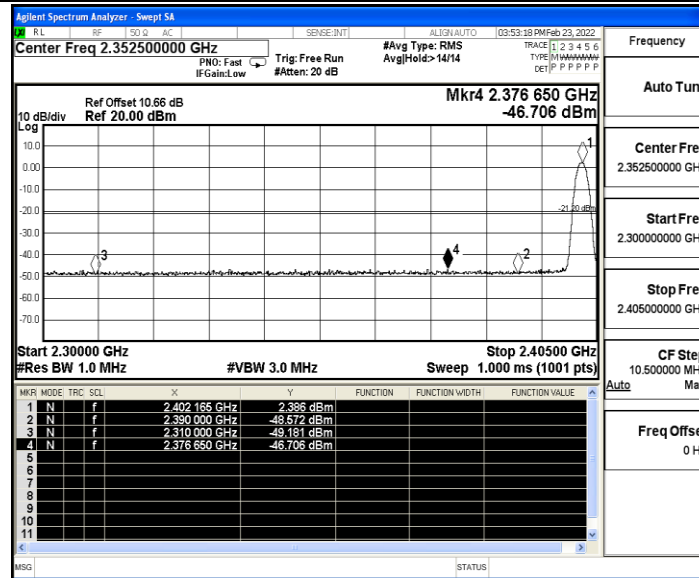
DH5_Ant1_High_Hop_2480_Peak



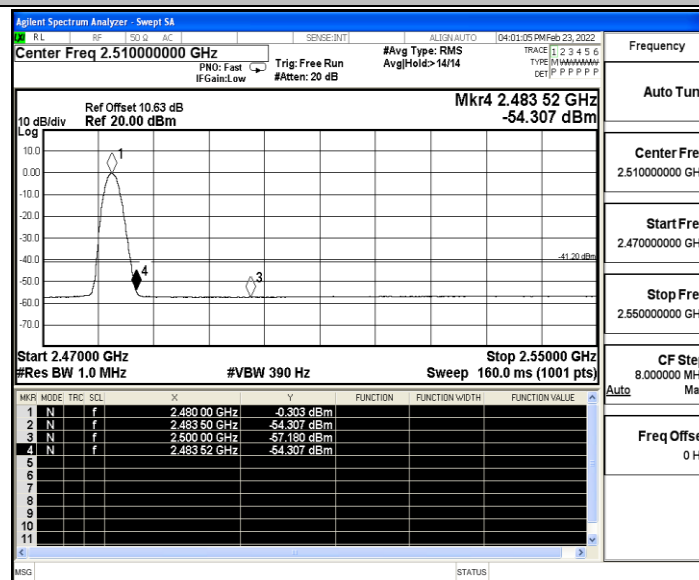
2DH5_Ant1_Low_2402_AV



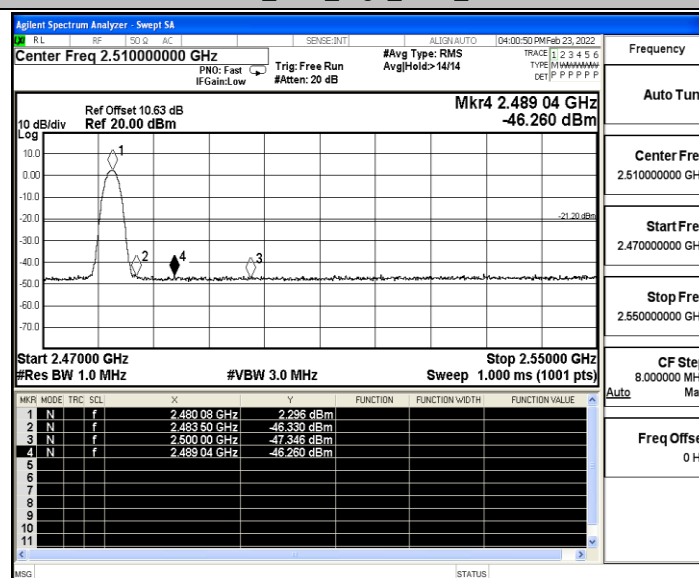
2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV

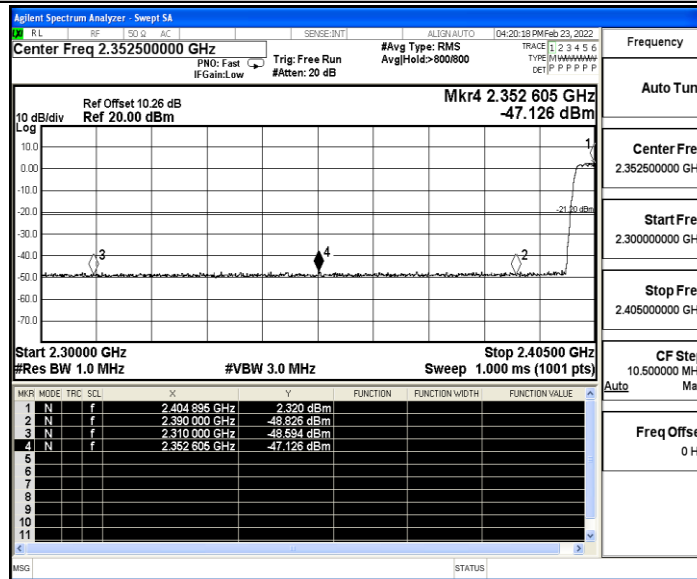


2DH5_Ant1_High_2480_Peak

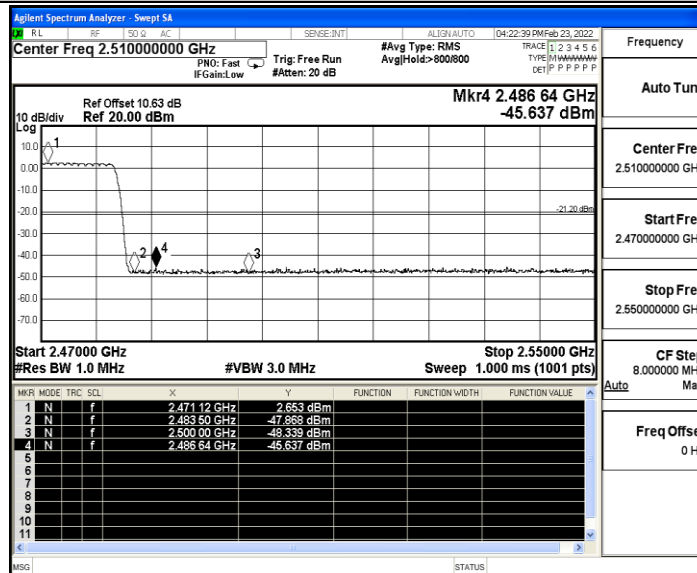




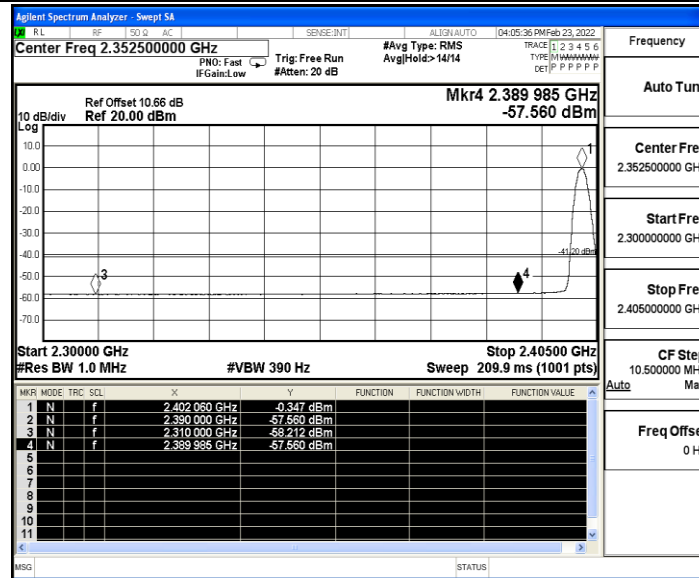
2DH5_Ant1_Low_Hop_2402_Peak



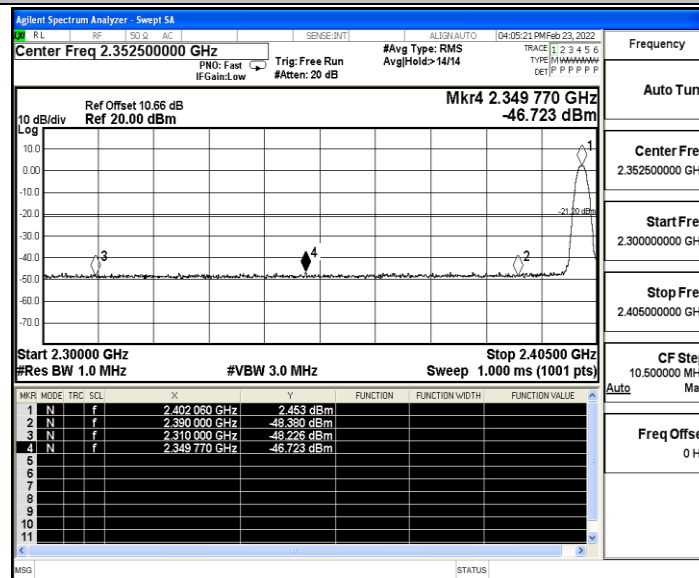
2DH5_Ant1_High_Hop_2480_Peak



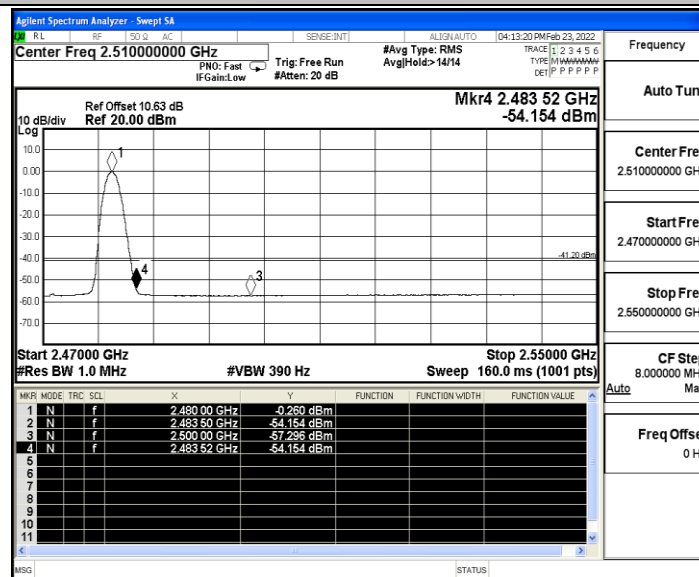
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak

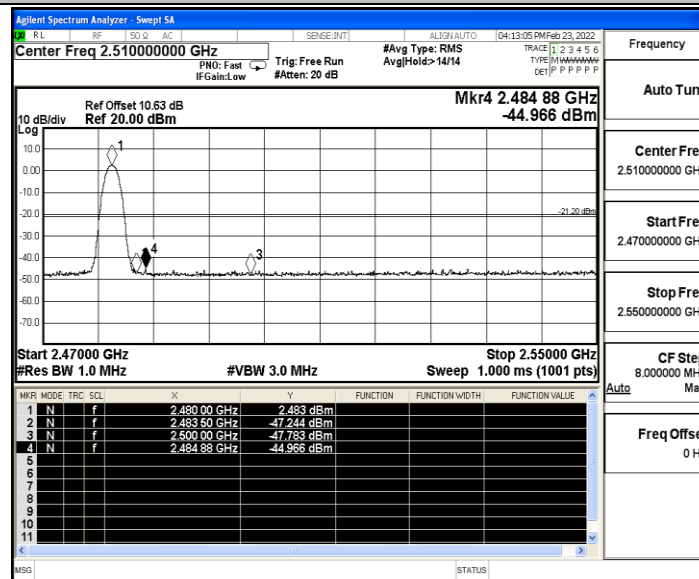


3DH5_Ant1_High_2480_AV

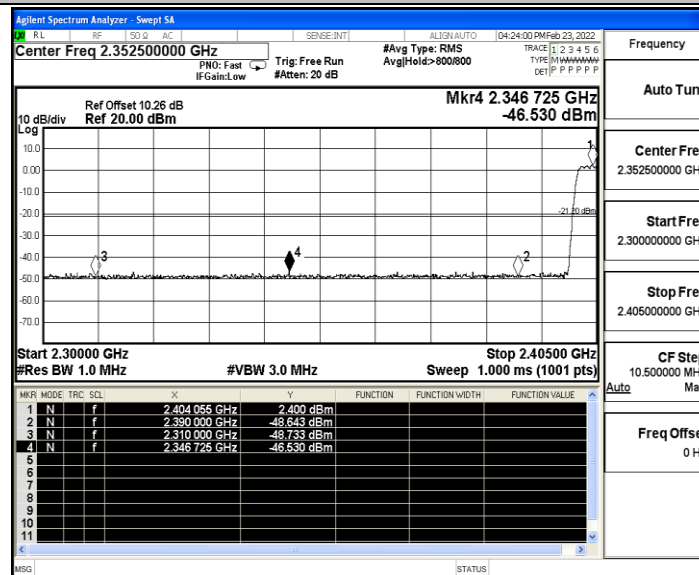




3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

