



Appendix A

RF Test Data for 2.4G BT (Conducted Measurement)

Product Name: H1 Tablet / H1

Test Model: H1

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling. Zhu
Supervised by:	Libu



A.1 20dB Emission Bandwidth

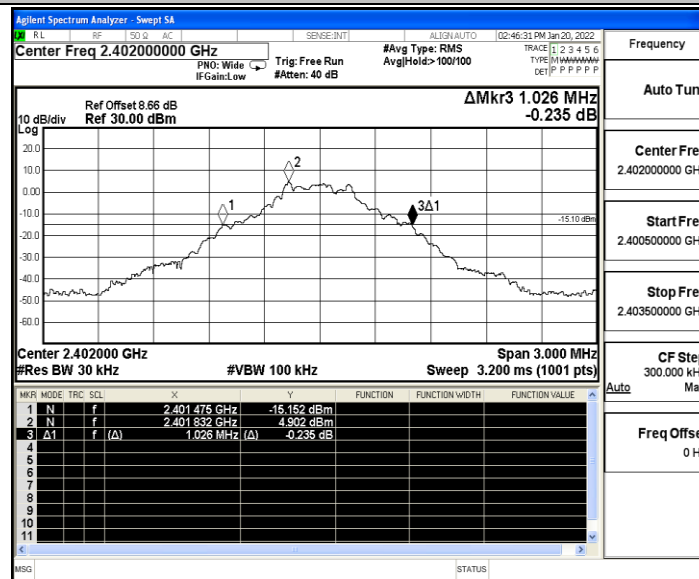
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant	2402	1.026	2401.475	2402.501	---	---
		2441	1.011	2440.487	2441.498	---	---
		2480	1.017	2479.469	2480.486	---	---
2DH5	Ant	2402	1.335	2401.325	2402.660	---	---
		2441	1.296	2440.352	2441.648	---	---
		2480	1.323	2479.328	2480.651	---	---
3DH5	Ant	2402	1.329	2401.334	2402.663	---	---
		2441	1.305	2440.340	2441.645	---	---
		2480	1.308	2479.340	2480.648	---	---

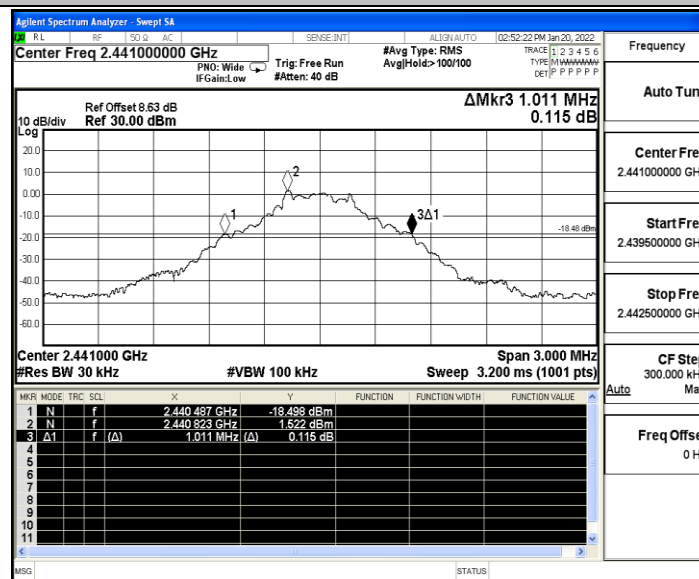


Test Graphs

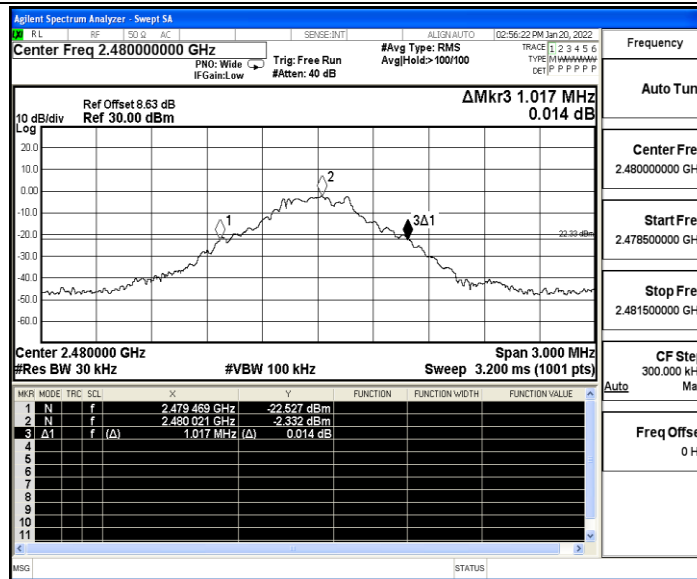
DH5_Ant_2402



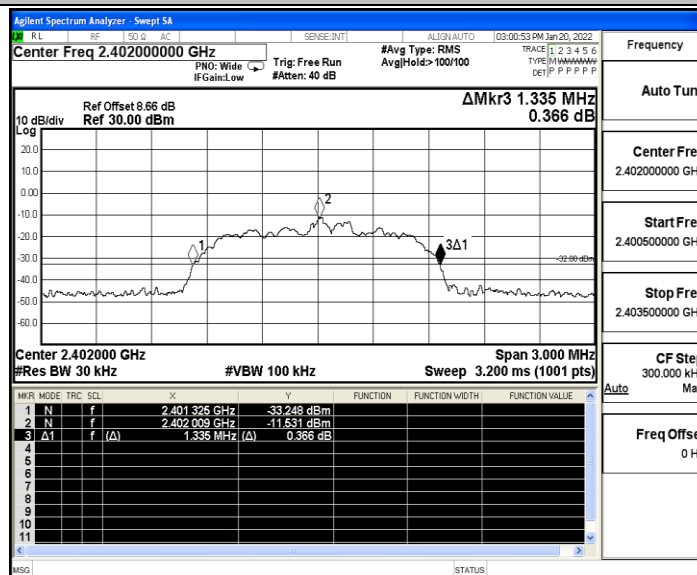
DH5_Ant_2441



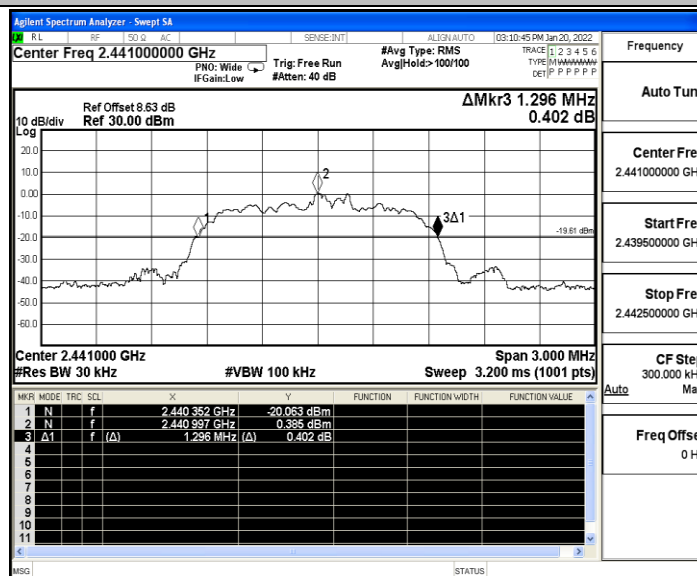
DH5_Ant_2480



2DH5_Ant_2402

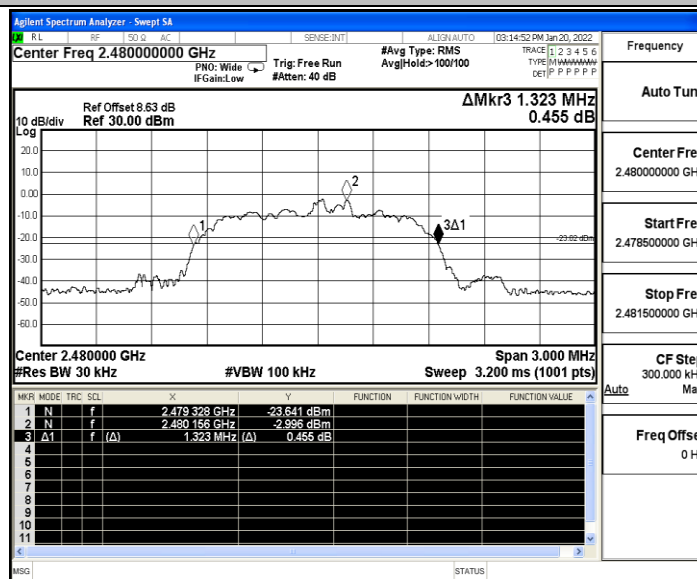


2DH5_Ant_2441

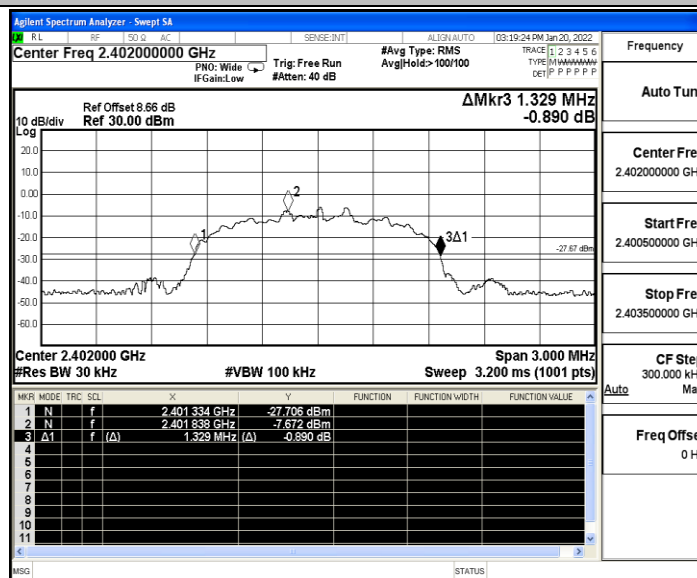




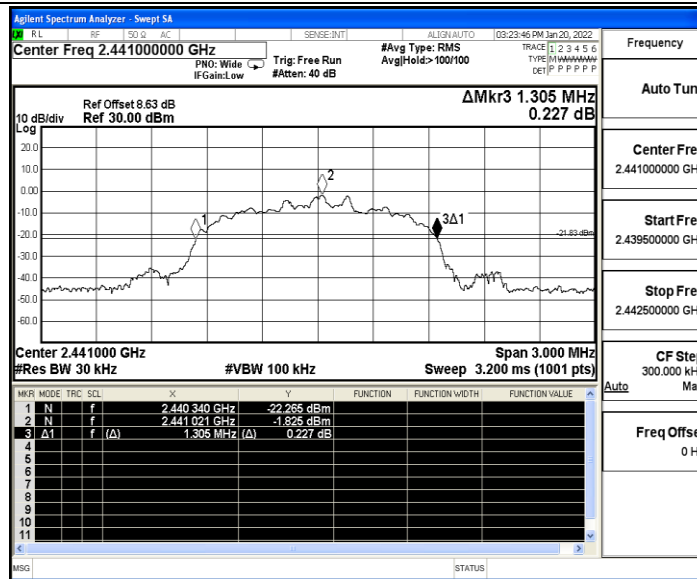
2DH5_Ant_2480



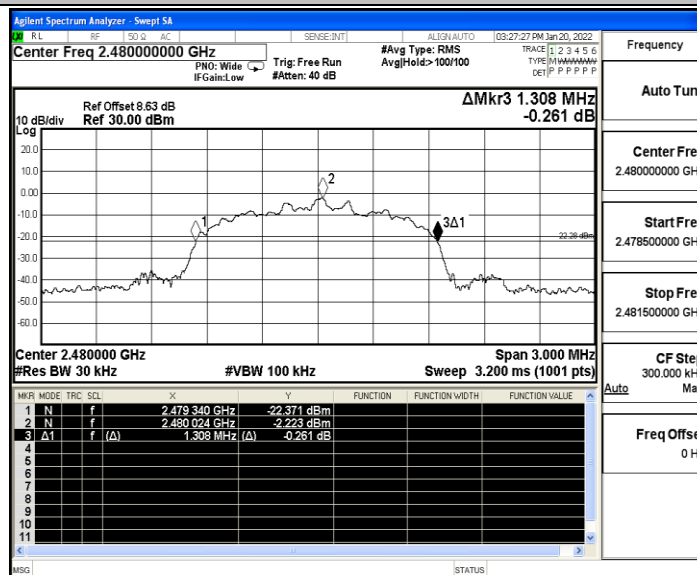
3DH5_Ant_2402



3DH5_Ant_2441



3DH5_Ant_2480





A.2 Maximum conducted output power

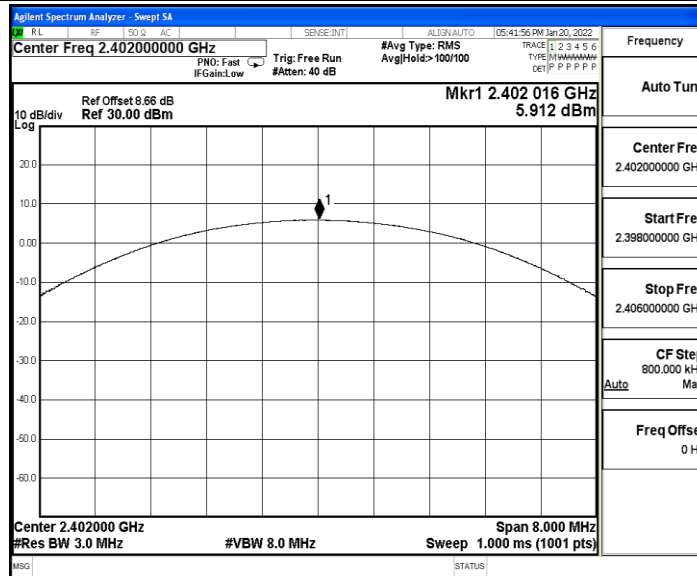
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant	2402	5.91	≤ 20.97	PASS
		2441	4.57	≤ 20.97	PASS
		2480	2.57	≤ 20.97	PASS
2DH5	Ant	2402	5.38	≤ 20.97	PASS
		2441	3.88	≤ 20.97	PASS
		2480	5.40	≤ 20.97	PASS
3DH5	Ant	2402	4.50	≤ 20.97	PASS
		2441	5.77	≤ 20.97	PASS
		2480	3.62	≤ 20.97	PASS

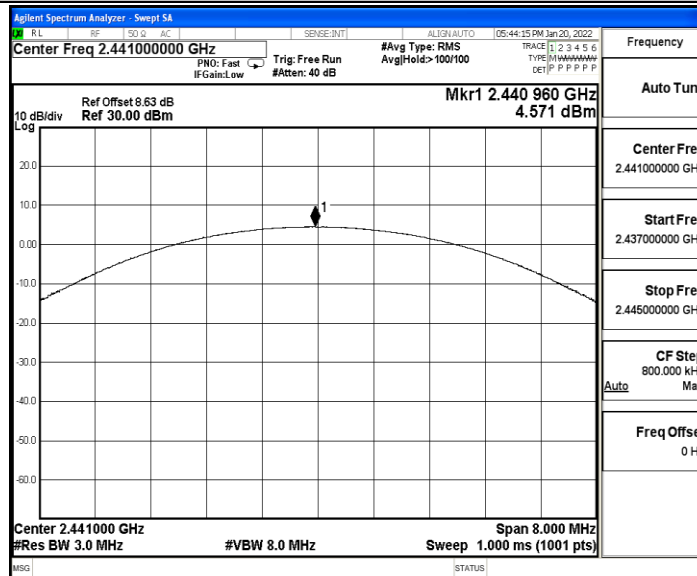


Test Graphs

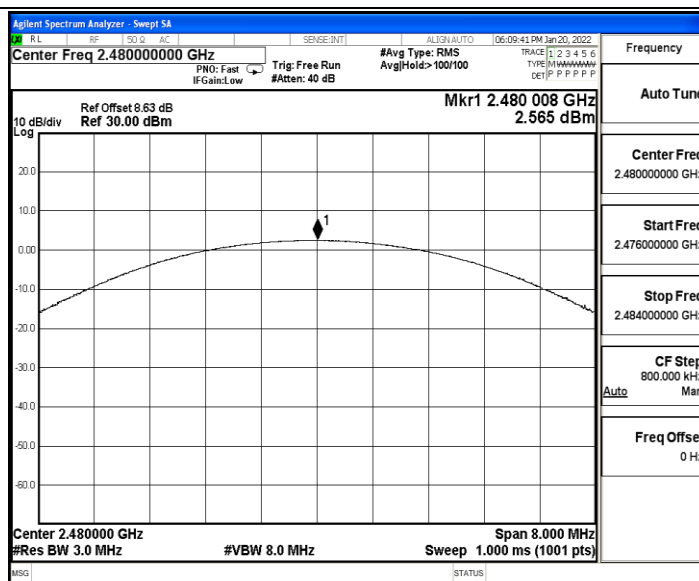
DH5_Ant_2402



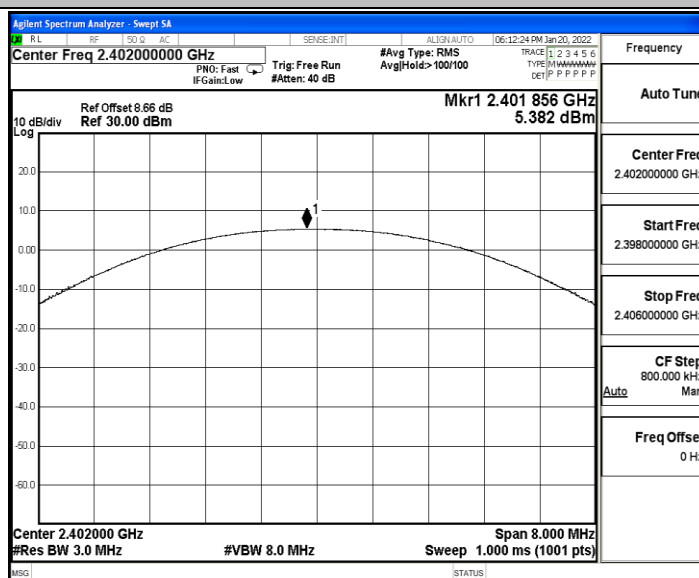
DH5_Ant_2441



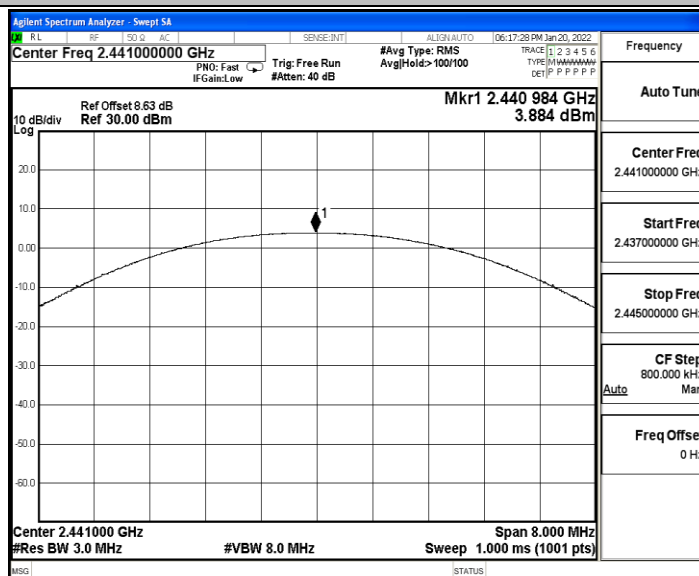
DH5_Ant_2480



2DH5_Ant_2402

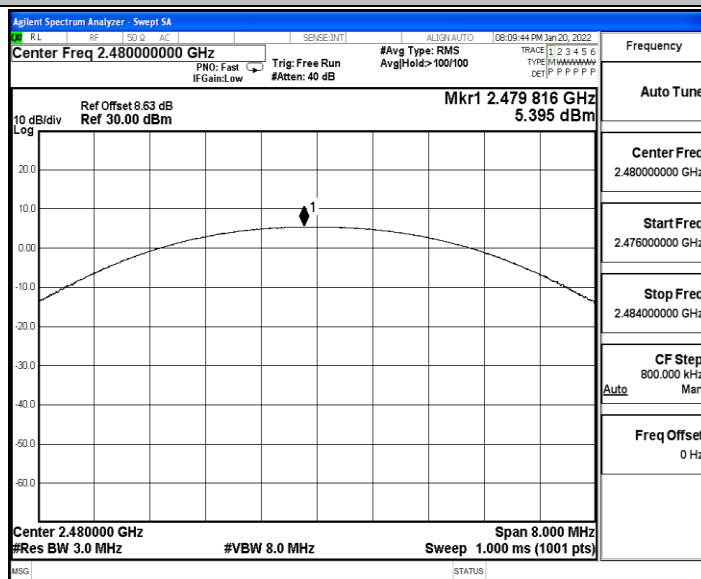


2DH5_Ant_2441

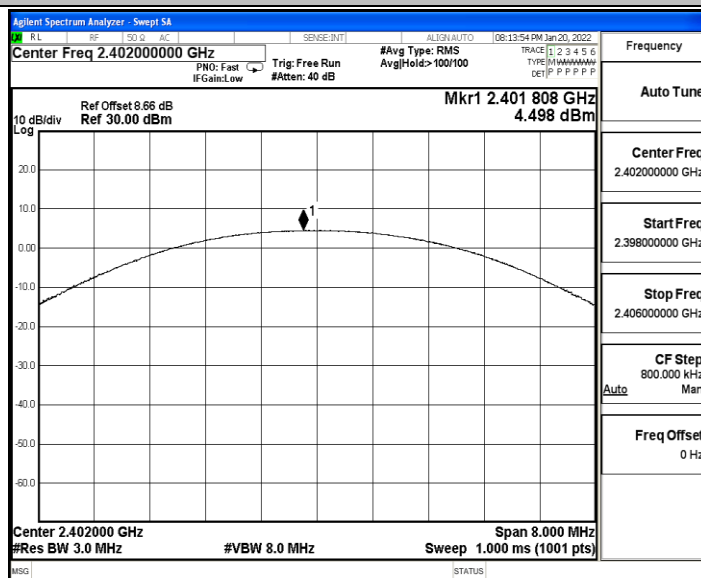




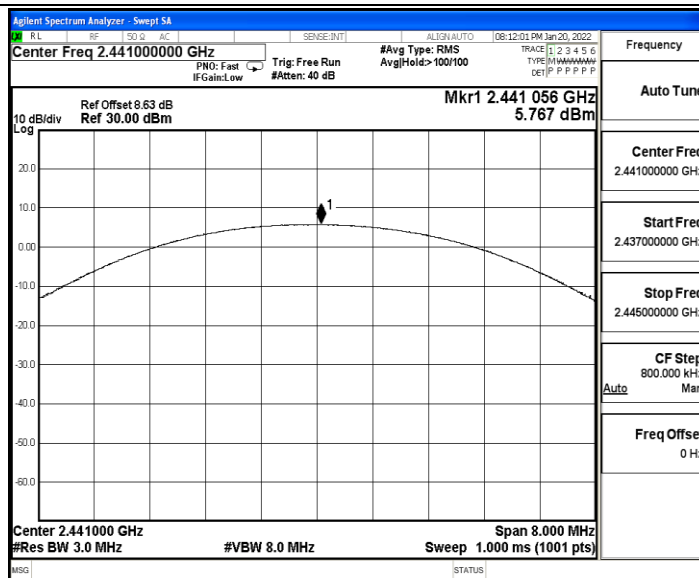
2DH5_Ant_2480



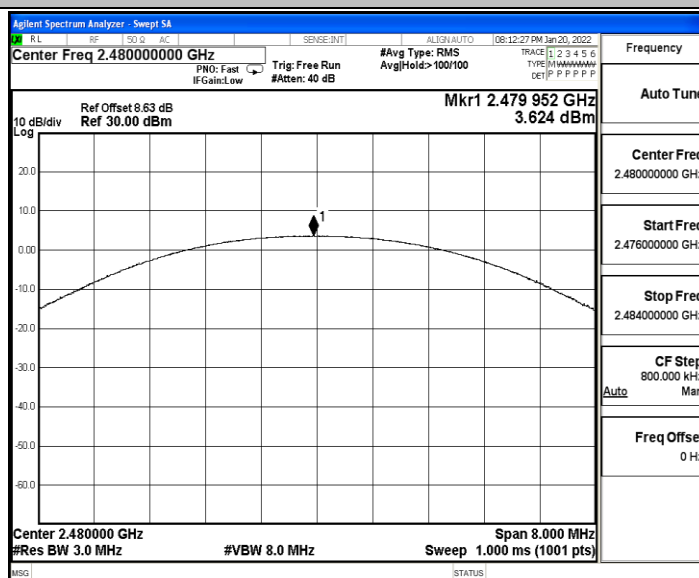
3DH5_Ant_2402



3DH5_Ant_2441



3DH5_Ant_2480





A.3 Carrier frequency separation

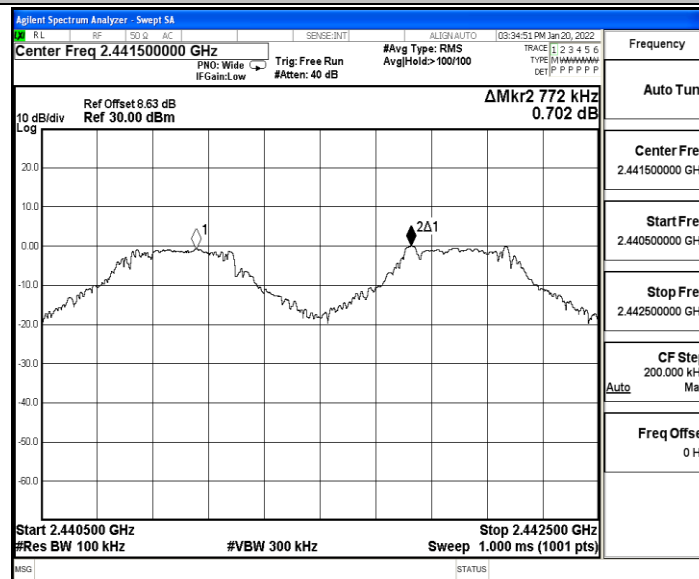
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant	Hop	0.772	≥ 0.684	PASS
2DH5	Ant	Hop	0.974	≥ 0.890	PASS
3DH5	Ant	Hop	1.114	≥ 0.886	PASS

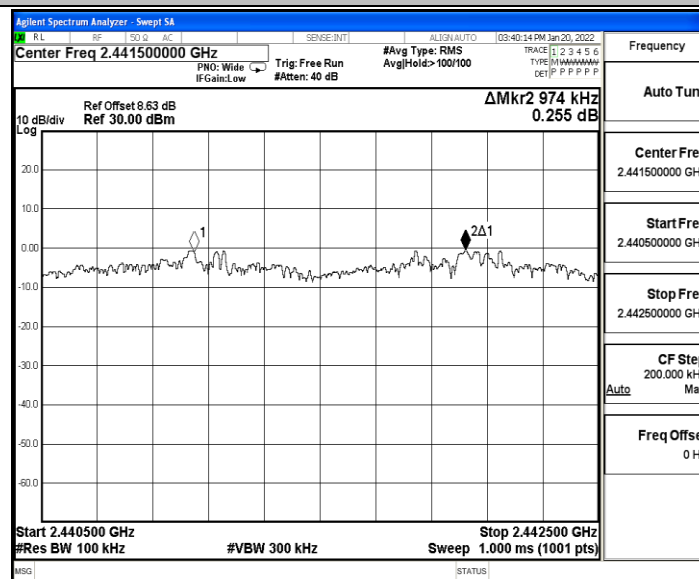


Test Graphs

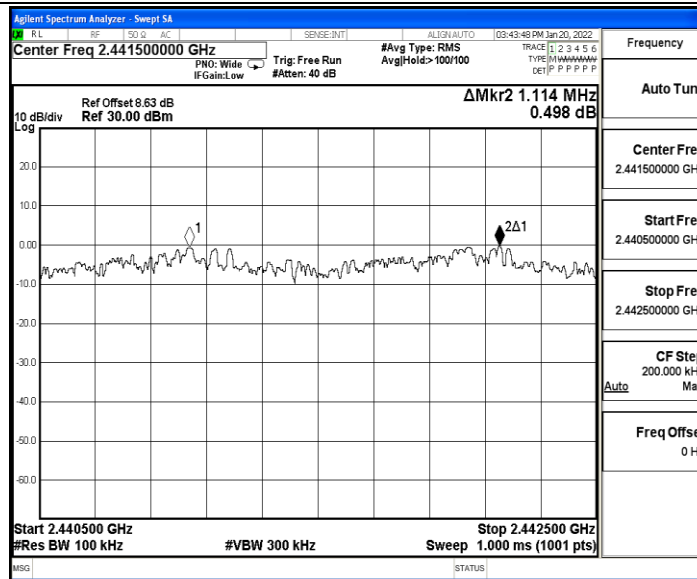
DH5_Ant_Hop



2DH5_Ant_Hop



3DH5_Ant_Hop





A.4 Time of occupancy

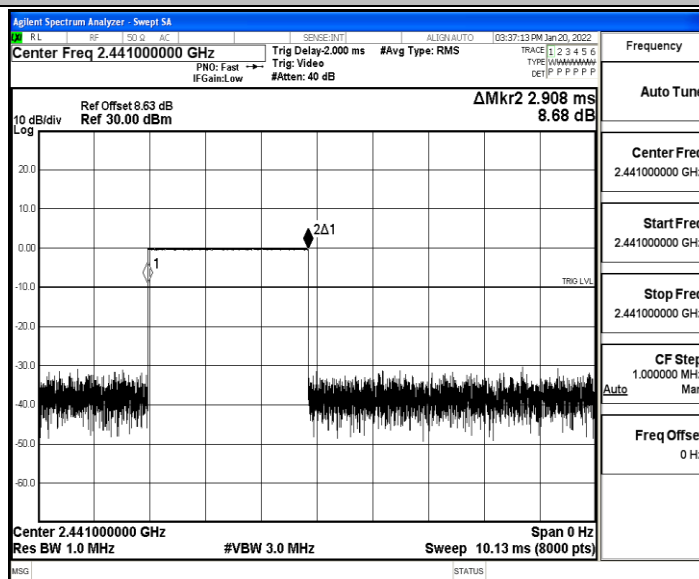
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant	Hop	2.91	106.67	0.310	≤0.4	PASS
2DH5	Ant	Hop	2.90	106.67	0.309	≤0.4	PASS
3DH5	Ant	Hop	2.90	106.67	0.309	≤0.4	PASS

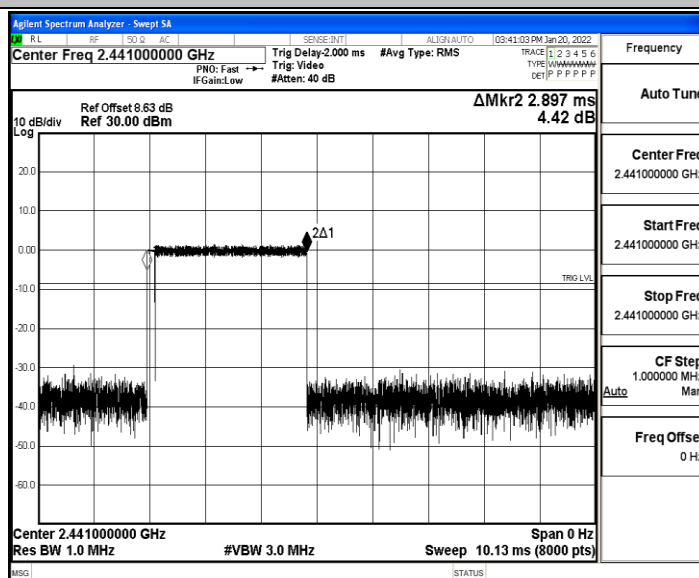


Test Graphs

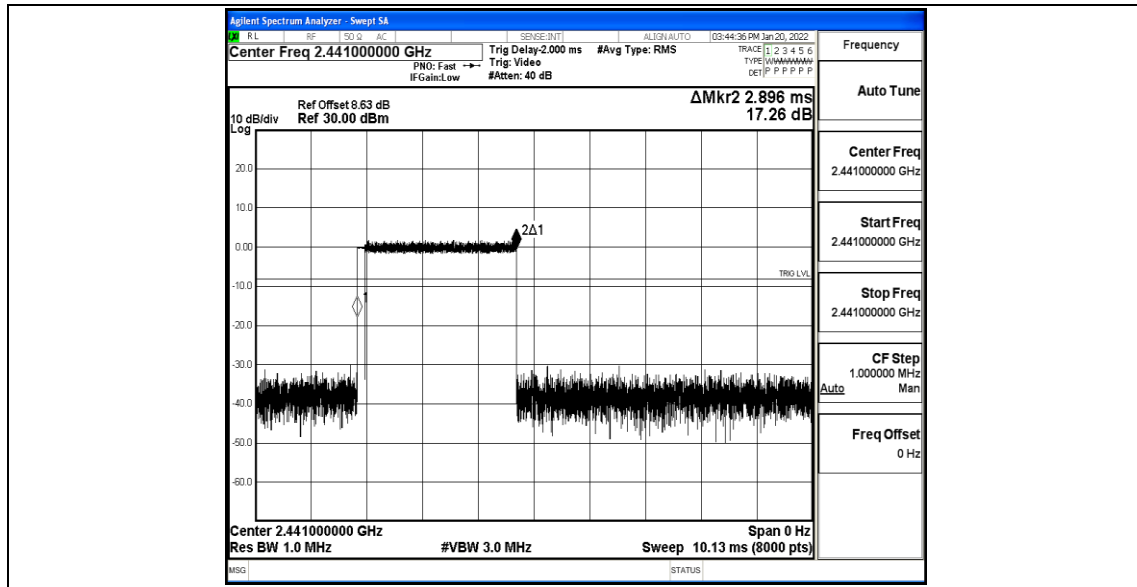
DH5_Ant_Hop



2DH5_Ant_Hop



3DH5_Ant_Hop





A.5 Number of hopping channels

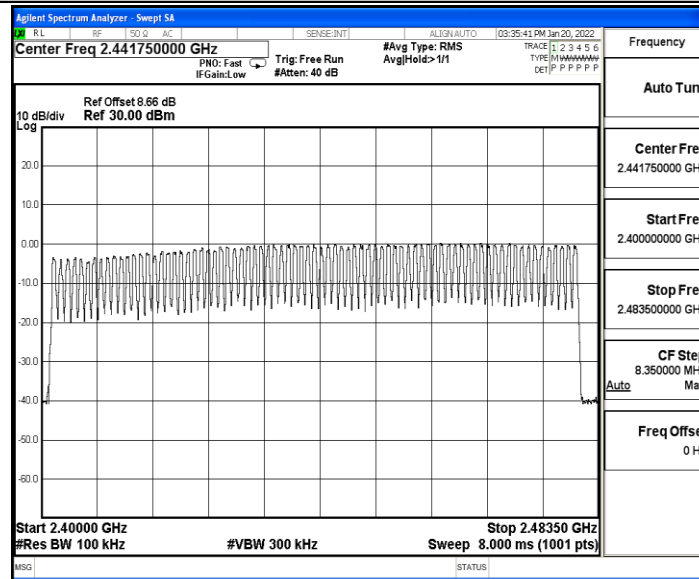
Test Result

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

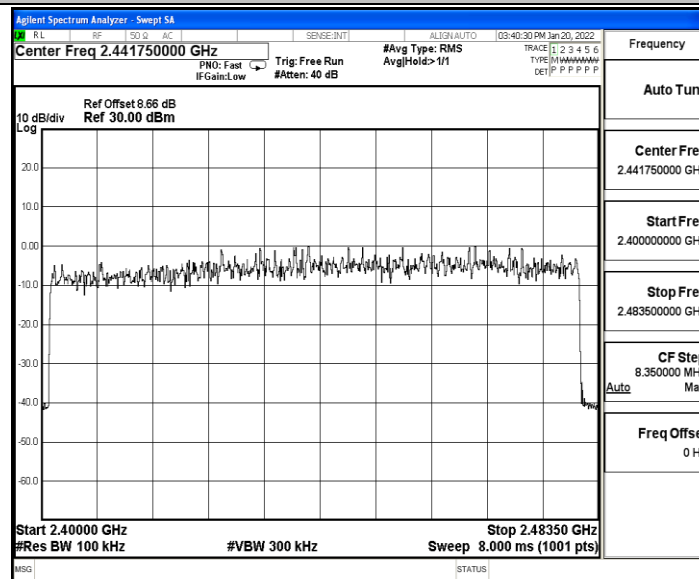


Test Graphs

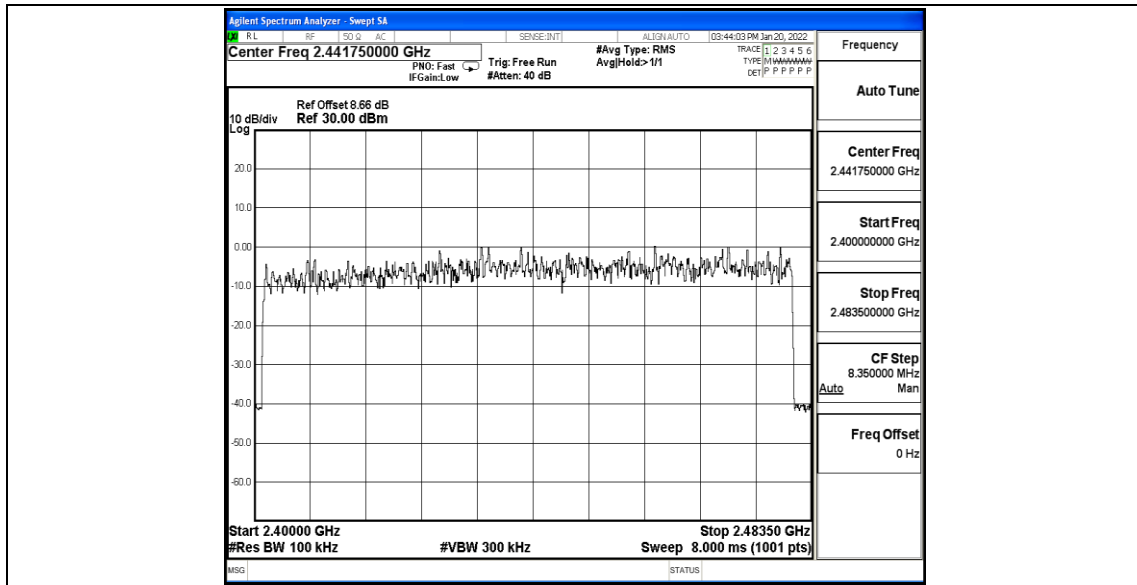
DH5_Ant_Hop



2DH5_Ant_Hop



3DH5_Ant_Hop





A.6 Band edge measurements

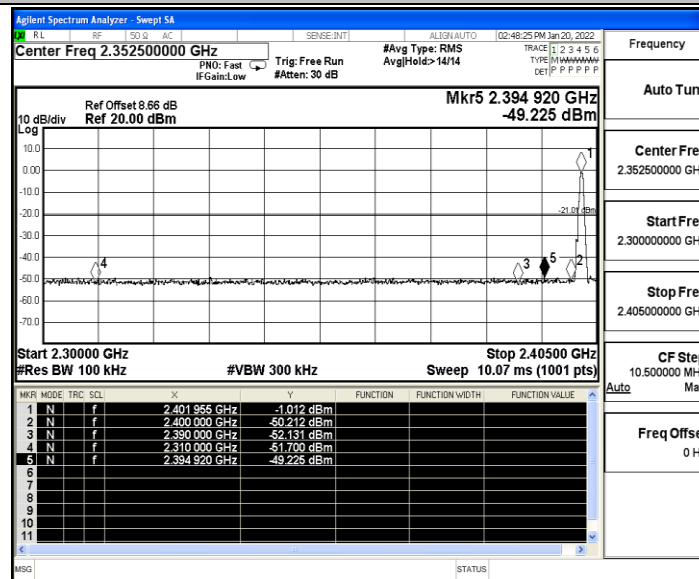
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	Low	2402	-1.01	-49.23	≤ -21.01	PASS
		High	2480	-0.40	-47.47	≤ -20.4	PASS
		Low	Hop_2402	-4.44	-49.43	≤ -24.44	PASS
		High	Hop_2480	0.07	-48.06	≤ -19.93	PASS
2DH5	Ant	Low	2402	-0.81	-48.74	≤ -20.81	PASS
		High	2480	-0.34	-47.58	≤ -20.34	PASS
		Low	Hop_2402	-6.22	-48.76	≤ -26.22	PASS
		High	Hop_2480	-0.69	-47.59	≤ -20.69	PASS
3DH5	Ant	Low	2402	-3.35	-48.6	≤ -23.35	PASS
		High	2480	-0.25	-47.62	≤ -20.25	PASS
		Low	Hop_2402	-5.03	-49.14	≤ -25.03	PASS
		High	Hop_2480	-0.39	-46.73	≤ -20.39	PASS

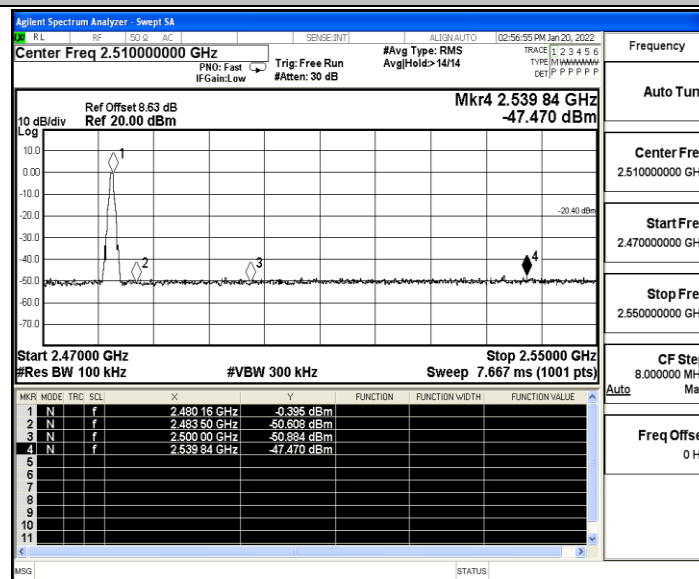


Test Graphs

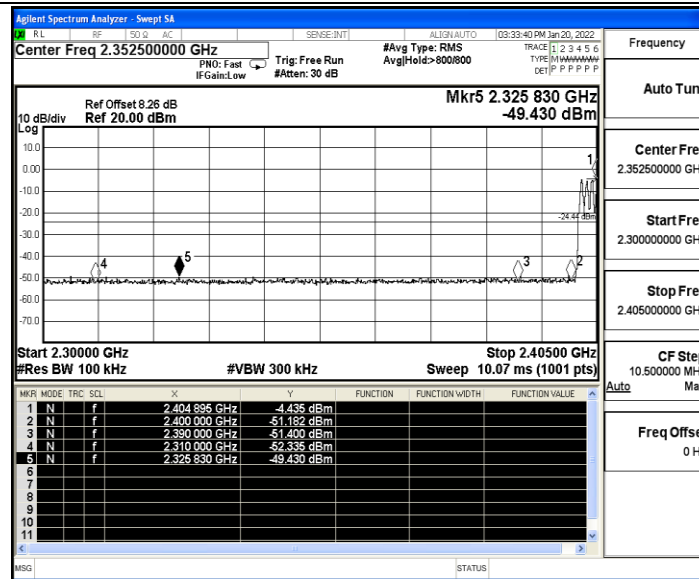
DH5_Ant_Low_2402



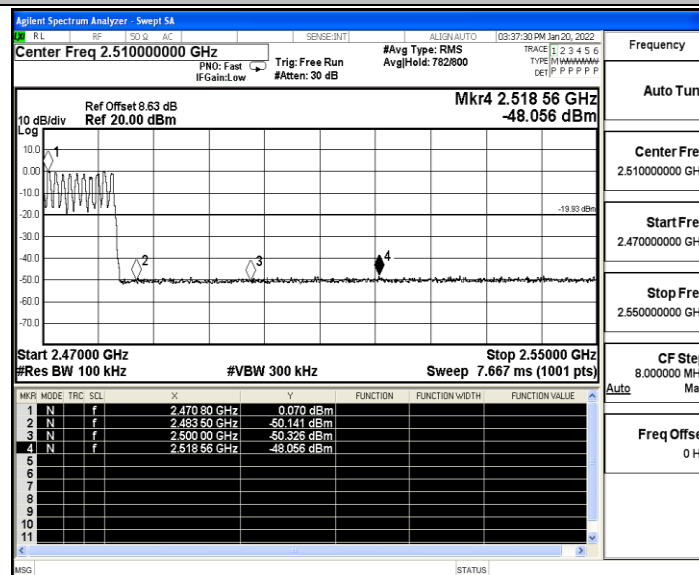
DH5_Ant_High_2480



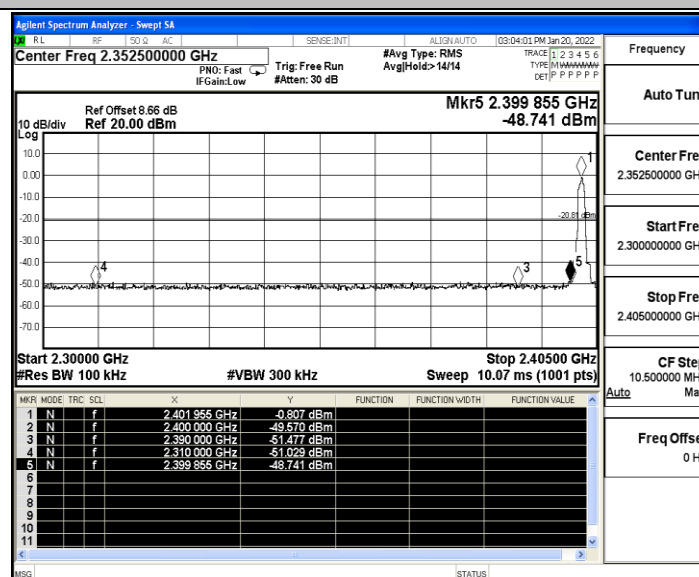
DH5_Ant_Low_Hop_2402



DH5_Ant_High_Hop_2480

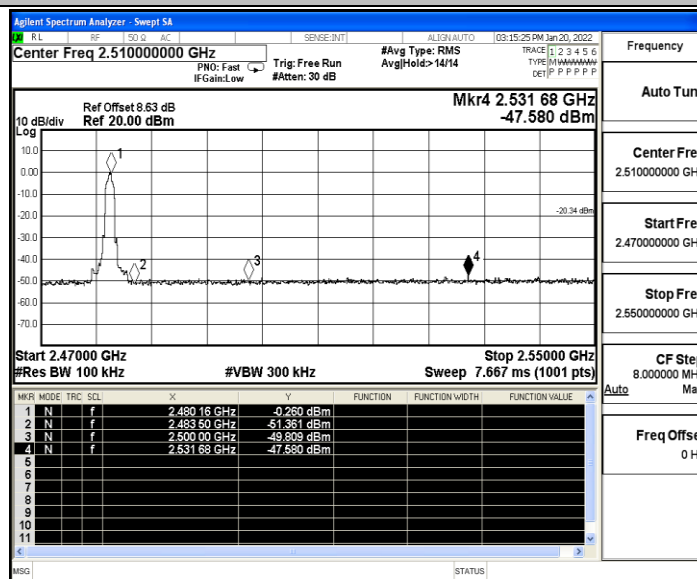


2DH5_Ant_Low_2402

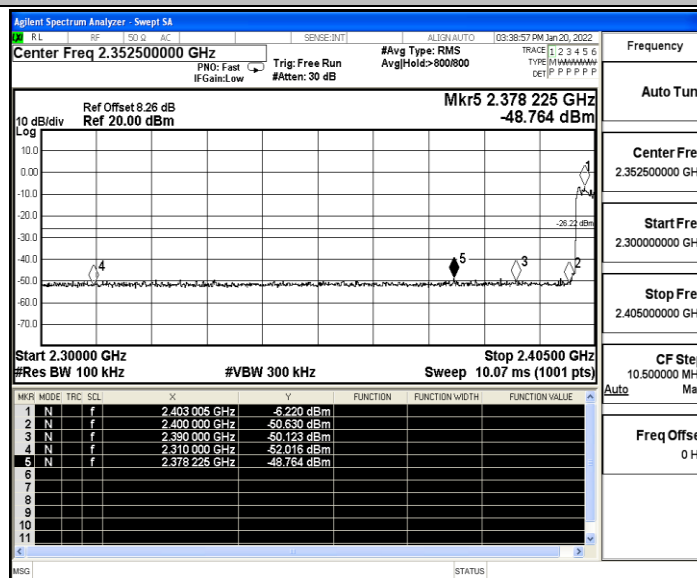




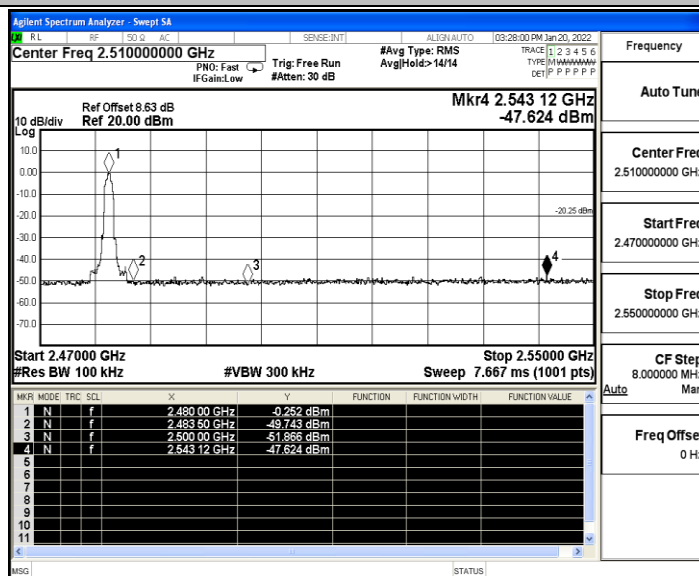
2DH5_Ant_High_2480



2DH5_Ant_Low_Hop_2402

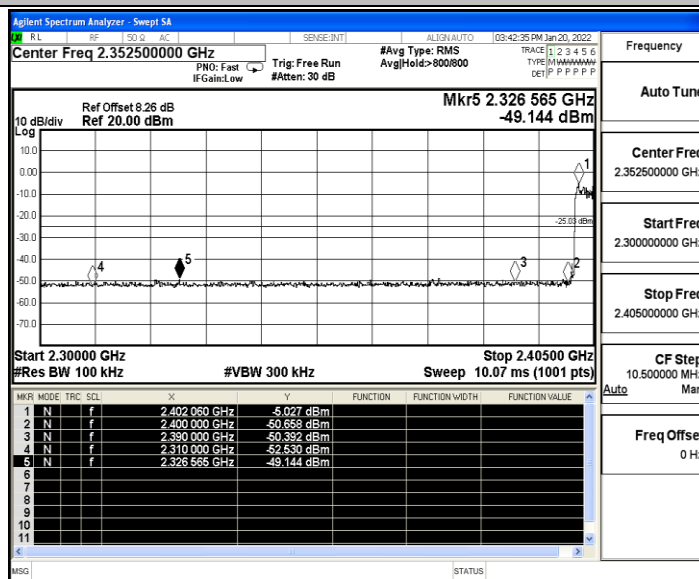


2DH5_Ant_High_Hop_2480

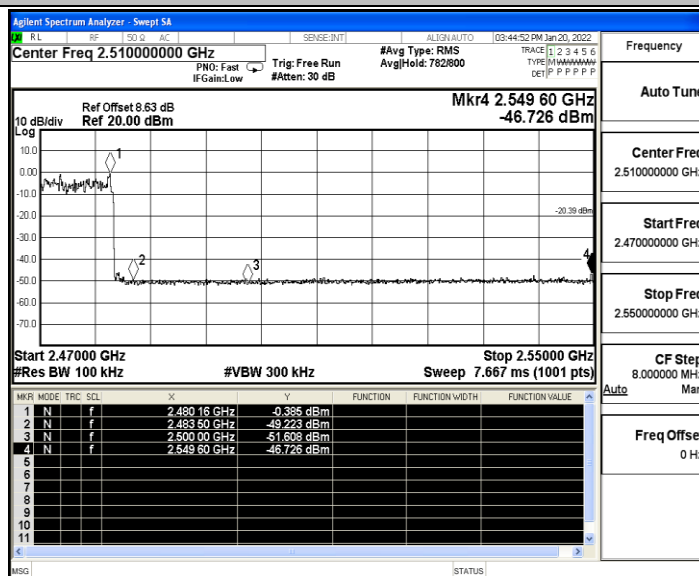




3DH5_Ant_Low_Hop_2402



3DH5_Ant_High_Hop_2480





A.7 Conducted Spurious Emission

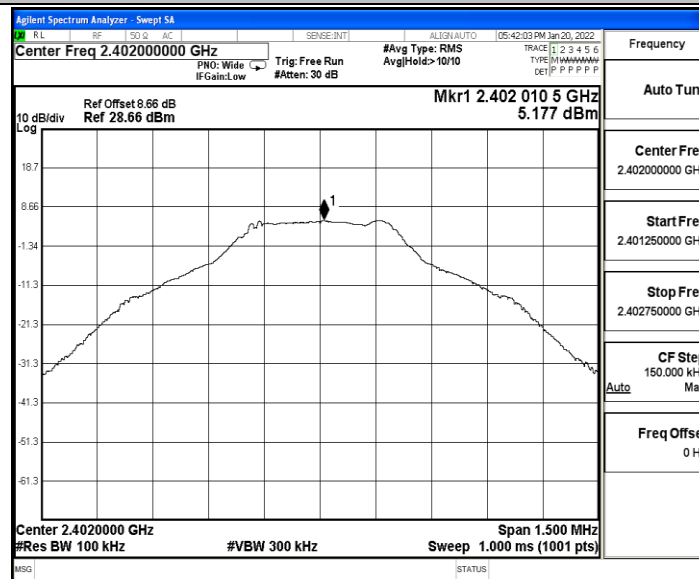
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	2402	Reference	5.18	5.18	---	PASS
			30~1000	5.18	-60.48	≤-14.82	PASS
			1000~26500	5.18	-46.1	≤-14.82	PASS
		2441	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-59.95	≤-16.18	PASS
			1000~26500	3.82	-46.6	≤-16.18	PASS
		2480	Reference	1.76	1.76	---	PASS
			30~1000	1.76	-60.94	≤-18.24	PASS
			1000~26500	1.76	-46.34	≤-18.24	PASS
2DH5	Ant	2402	Reference	4.78	4.78	---	PASS
			30~1000	4.78	-60.78	≤-15.22	PASS
			1000~26500	4.78	-46.69	≤-15.22	PASS
		2441	Reference	3.41	3.41	---	PASS
			30~1000	3.41	-60.68	≤-16.59	PASS
			1000~26500	3.41	-46.84	≤-16.59	PASS
		2480	Reference	-0.43	-0.43	---	PASS
			30~1000	-0.43	-59.98	≤-20.43	PASS
			1000~26500	-0.43	-45.98	≤-20.43	PASS
3DH5	Ant	2402	Reference	-3.41	-3.41	---	PASS
			30~1000	-3.41	-60.08	≤-23.41	PASS
			1000~26500	-3.41	-46.08	≤-23.41	PASS
		2441	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-59.61	≤-19.99	PASS
			1000~26500	0.01	-45.67	≤-19.99	PASS
		2480	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-54.25	≤-20.27	PASS
			1000~26500	-0.27	-45.96	≤-20.27	PASS

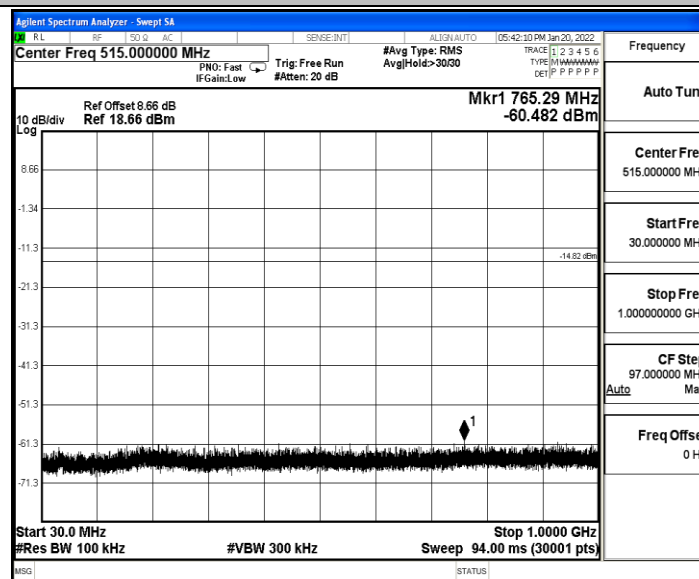


Test Graphs

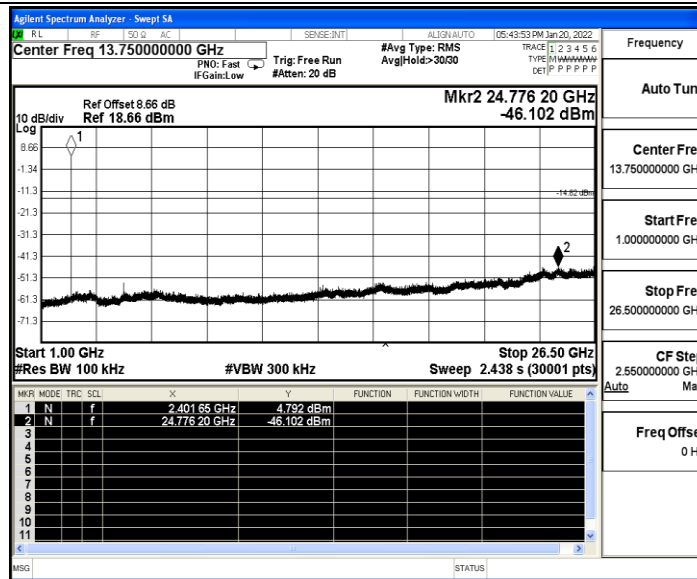
DH5_Ant_2402_0~Reference



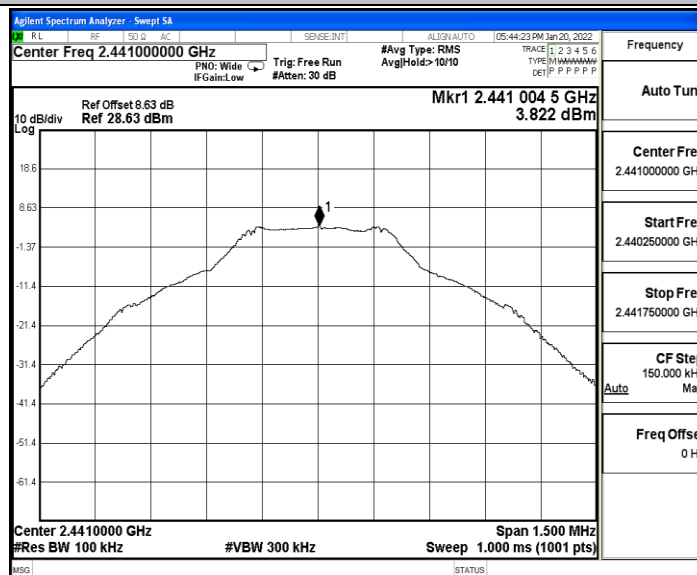
DH5_Ant_2402_30~1000



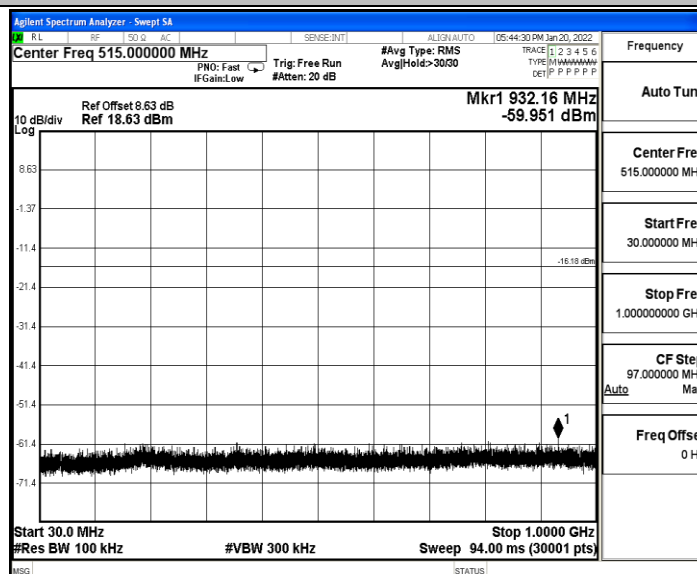
DH5_Ant_2402_1000~26500



DH5_Ant_2441_0~Reference

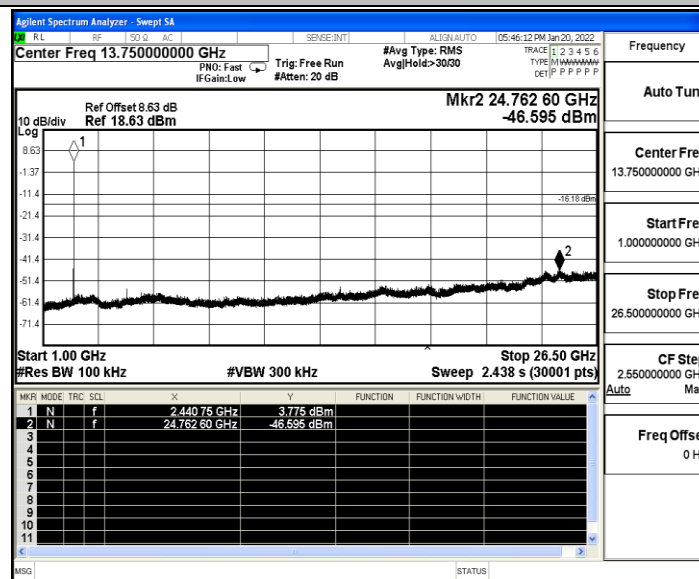


DH5_Ant_2441_30~1000

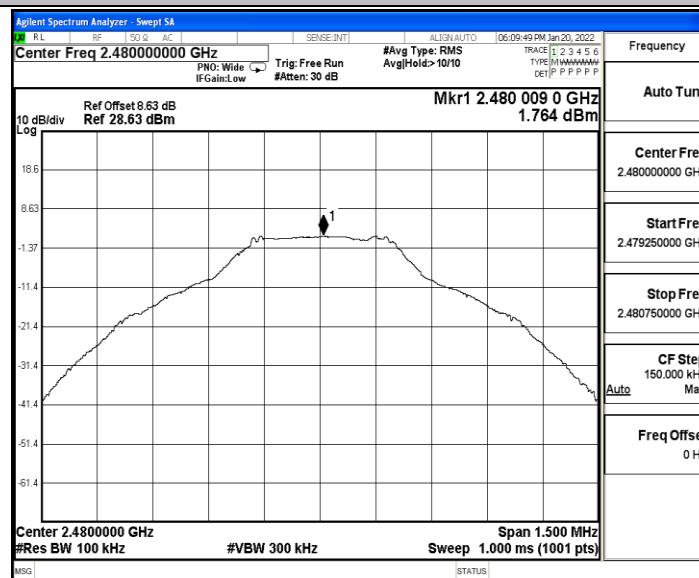




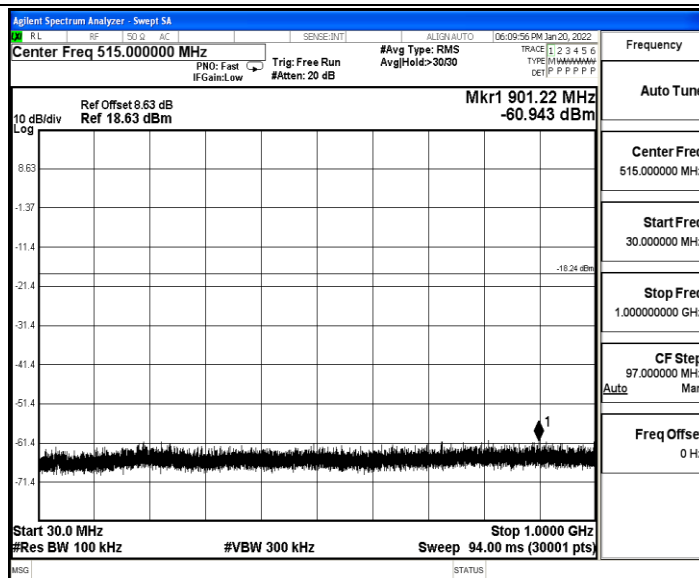
DH5_Ant_2441_1000~26500



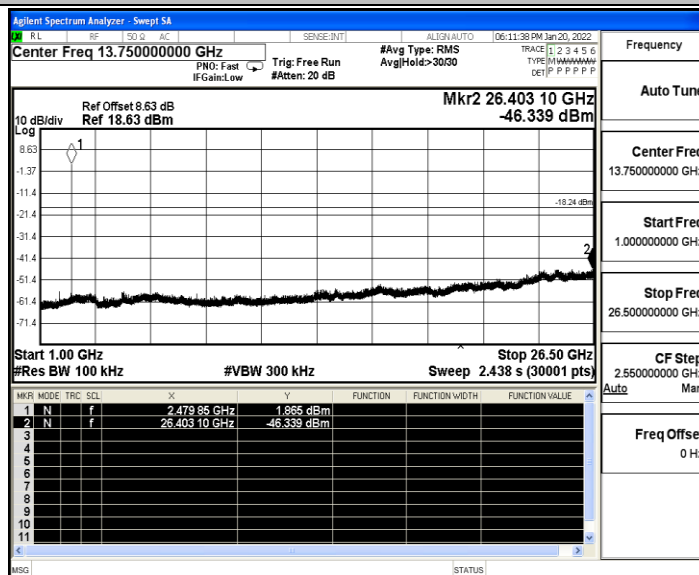
DH5_Ant_2480_0~Reference



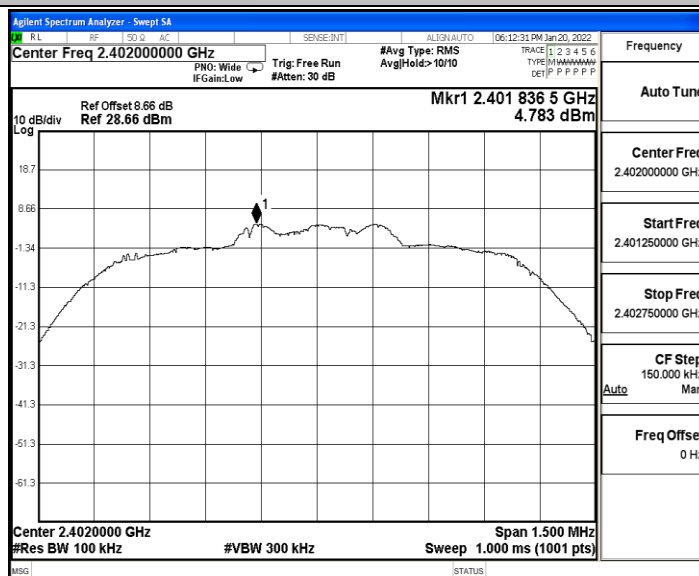
DH5_Ant_2480_30~1000



DH5_Ant_2480_1000~26500

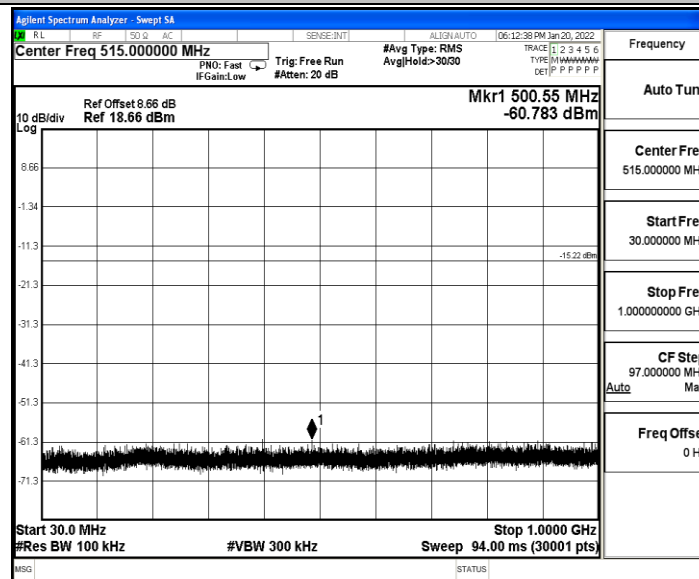


2DH5_Ant_2402_0~Reference

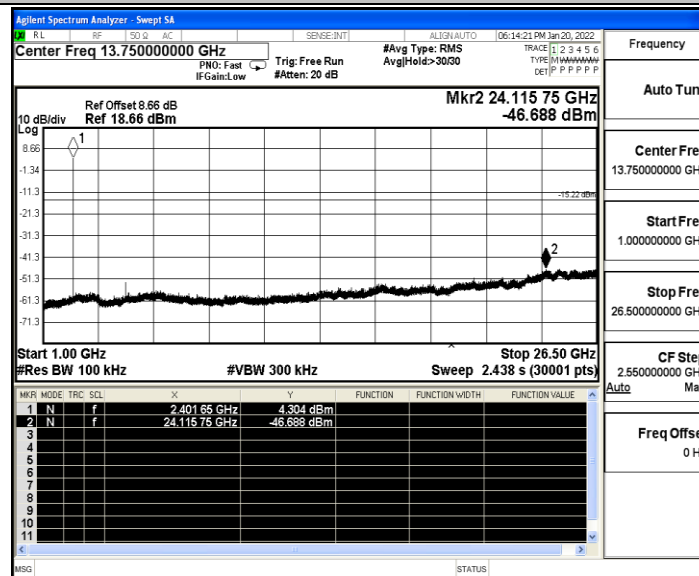




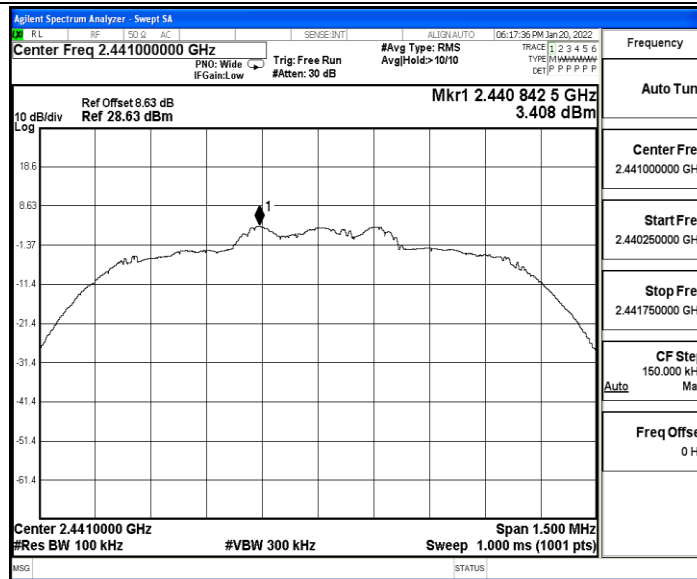
2DH5_Ant_2402_30~1000



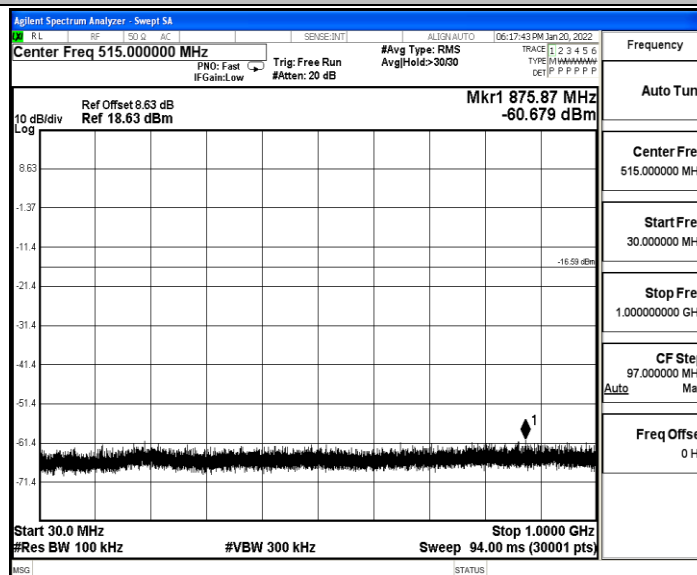
2DH5_Ant_2402_1000~26500



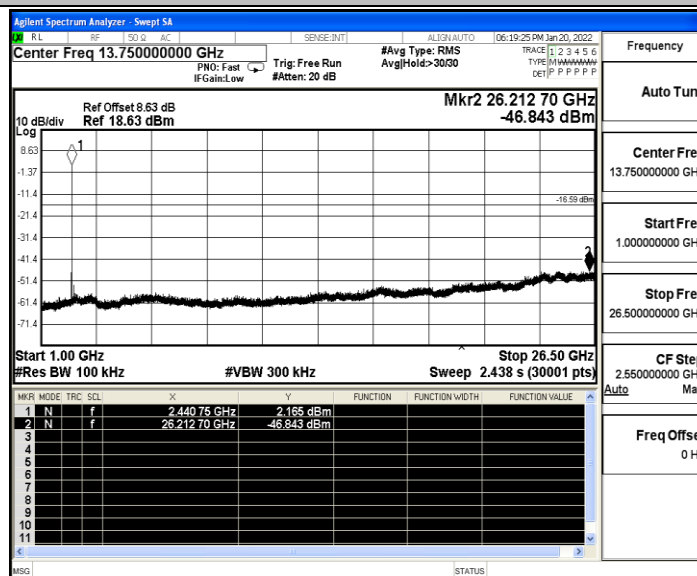
2DH5_Ant_2441_0~Reference



2DH5_Ant_2441_30~1000

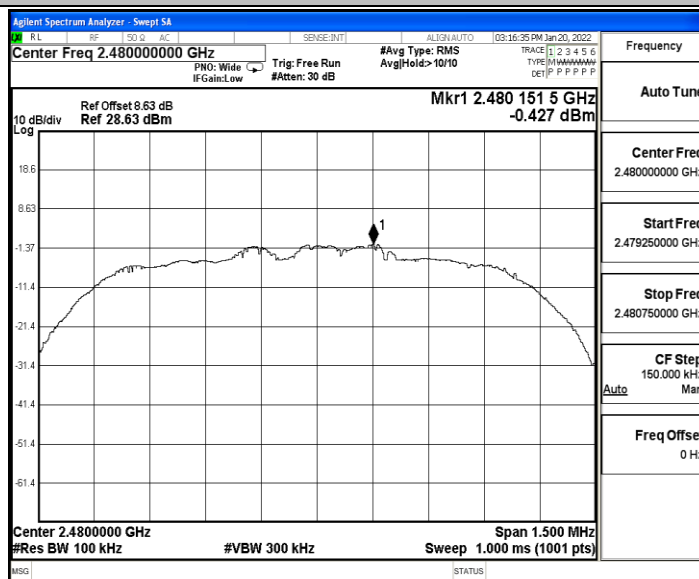


2DH5_Ant_2441_1000~26500

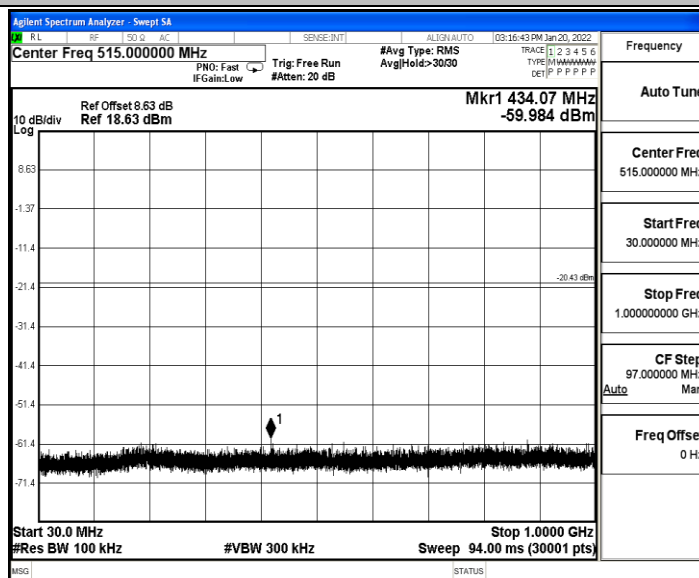




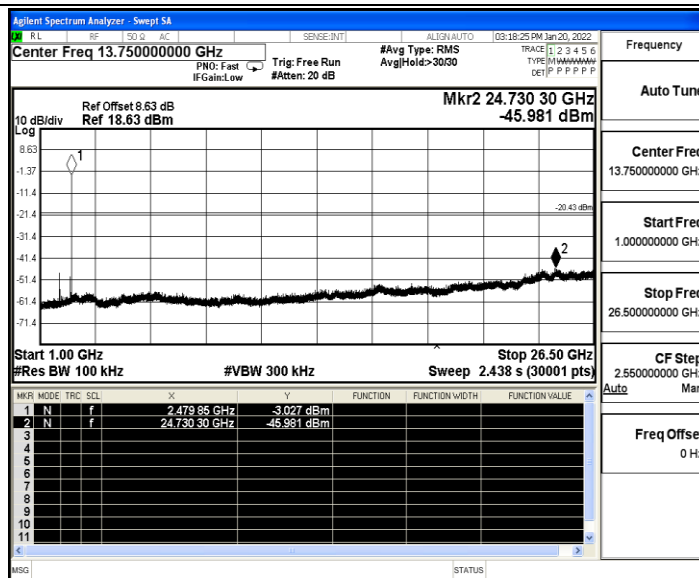
2DH5_Ant_2480_0~Reference



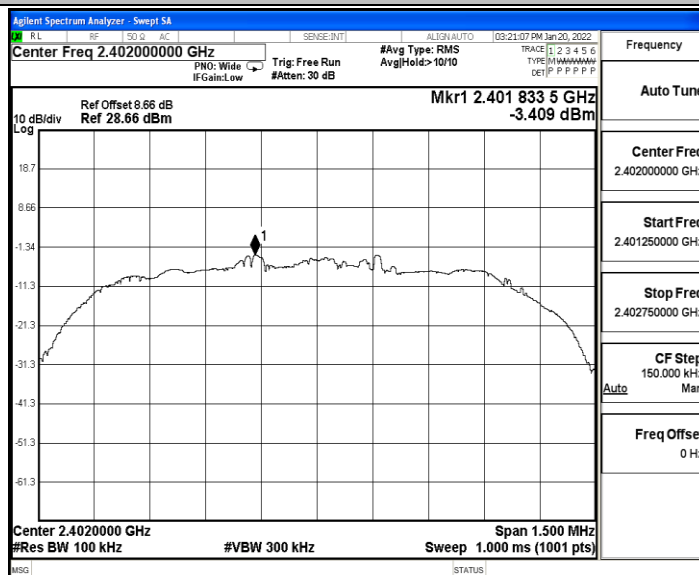
2DH5_Ant_2480_30~1000



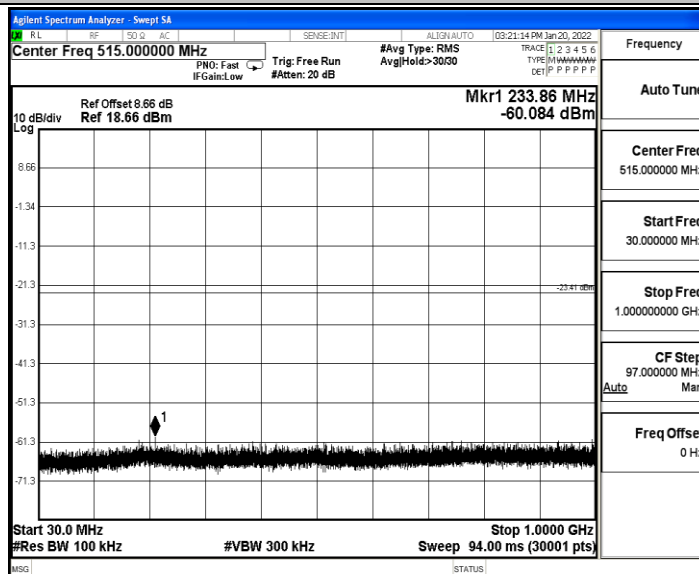
2DH5_Ant_2480_1000~26500



3DH5_Ant_2402_0~Reference

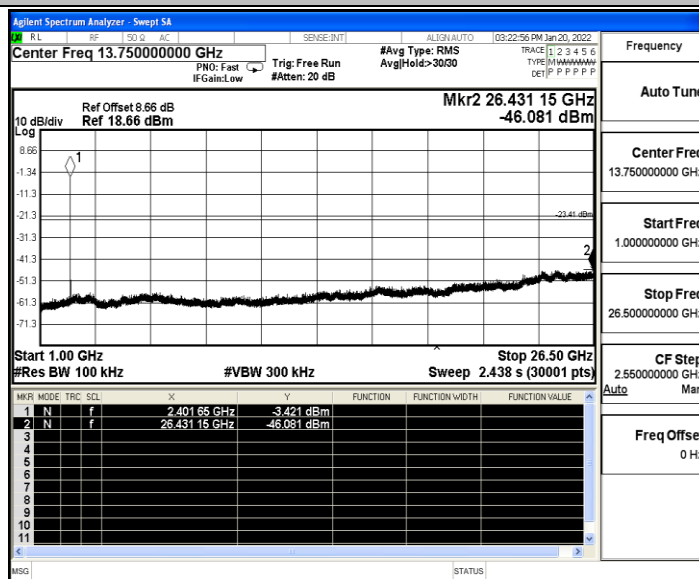


3DH5_Ant_2402_30~1000

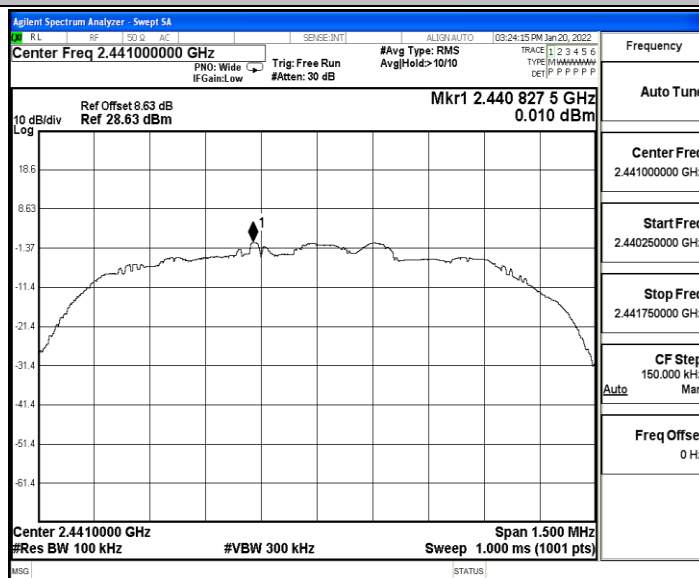




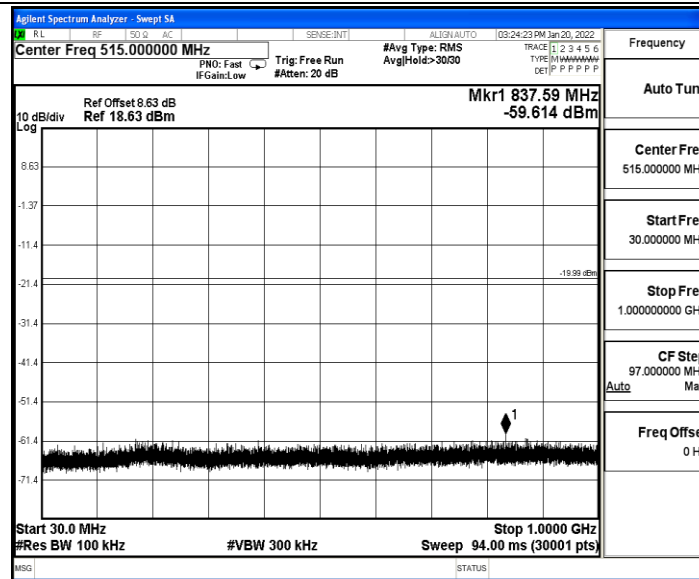
3DH5_Ant_2402_1000~26500



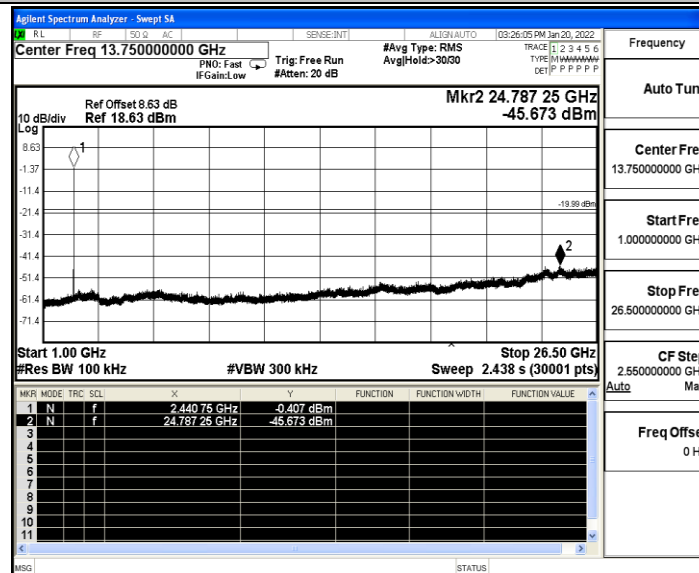
3DH5_Ant_2441_0~Reference



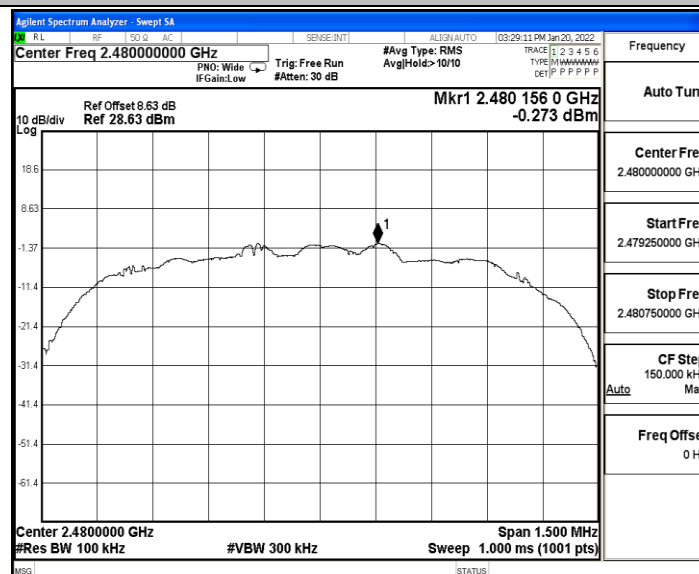
3DH5_Ant_2441_30~1000



3DH5_Ant_2441_1000~26500

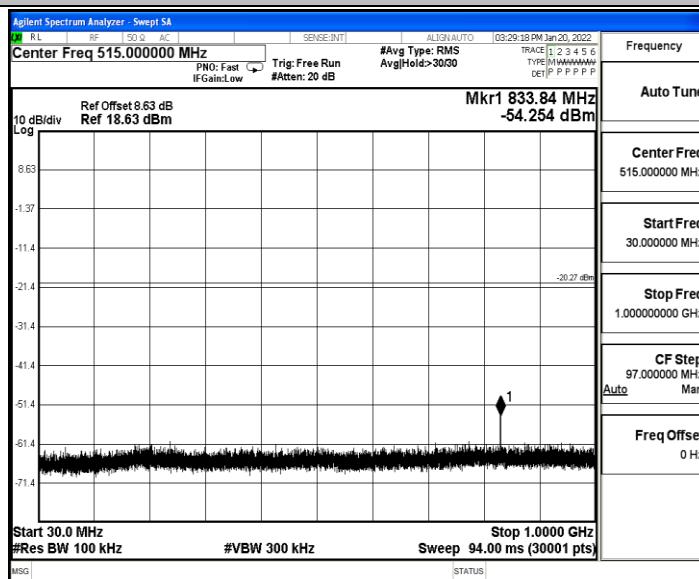


3DH5_Ant_2480_0~Reference

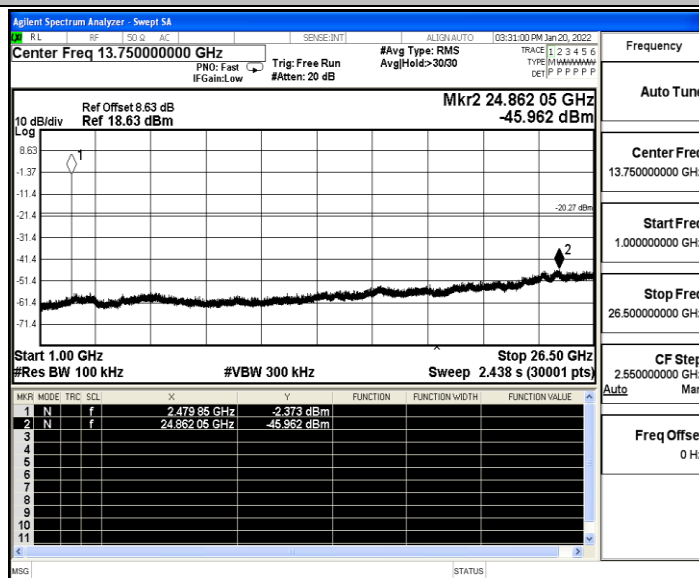




3DH5_Ant_2480_30~1000



3DH5_Ant_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	Ant	Low	2402	AV	2310.000	-48.17	≤-41.20	47.03	≤54	PASS
				AV	2384.105	-47.72	≤-41.20	47.48	≤54	PASS
				AV	2390.000	-47.94	≤-41.20	47.26	≤54	PASS
				Peak	2310.000	-39.43	≤-21.20	55.77	≤74	PASS
				Peak	2330.030	-36.43	≤-21.20	58.77	≤74	PASS
				Peak	2390.000	-39.04	≤-21.20	56.16	≤74	PASS
		High	2480	AV	2483.500	-47.22	≤-41.20	47.98	≤54	PASS
				AV	2497.520	-47.16	≤-41.20	48.04	≤54	PASS
				AV	2500.000	-47.29	≤-41.20	47.91	≤54	PASS
				Peak	2483.500	-36.93	≤-21.20	58.27	≤74	PASS
				Peak	2498.400	-36.57	≤-21.20	58.63	≤74	PASS
				Peak	2500.000	-37.38	≤-21.20	57.82	≤74	PASS
2DH5	Ant	Low	2402	AV	2310.000	-48.55	≤-41.20	46.65	≤54	PASS
				AV	2388.830	-48.16	≤-41.20	47.04	≤54	PASS
				AV	2390.000	-48.19	≤-41.20	47.01	≤54	PASS
				Peak	2310.000	-39.14	≤-21.20	56.06	≤74	PASS
				Peak	2351.660	-36.85	≤-21.20	58.35	≤74	PASS
				Peak	2390.000	-38.64	≤-21.20	56.56	≤74	PASS
		High	2480	AV	2483.500	-46.85	≤-41.20	48.35	≤54	PASS
				AV	2483.520	-46.85	≤-41.20	48.35	≤54	PASS
				AV	2500.000	-47.31	≤-41.20	47.89	≤54	PASS
				Peak	2483.500	-37.29	≤-21.20	57.91	≤74	PASS
				Peak	2488.960	-36.13	≤-21.20	59.07	≤74	PASS
				Peak	2500.000	-37.92	≤-21.20	57.28	≤74	PASS
3DH5	Ant	Low	2402	AV	2310.000	-48.18	≤-41.20	47.02	≤54	PASS
				AV	2387.780	-47.66	≤-41.20	47.54	≤54	PASS
				AV	2390.000	-47.83	≤-41.20	47.37	≤54	PASS
				Peak	2310.000	-39.06	≤-21.20	56.14	≤74	PASS
				Peak	2364.470	-36.44	≤-21.20	58.76	≤74	PASS
				Peak	2390.000	-38.24	≤-21.20	56.96	≤74	PASS
		High	2480	AV	2483.500	-46.76	≤-41.20	48.44	≤54	PASS
				AV	2483.520	-46.76	≤-41.20	48.44	≤54	PASS
				AV	2500.000	-47.31	≤-41.20	47.89	≤54	PASS
				Peak	2483.500	-37.14	≤-21.20	58.06	≤74	PASS
				Peak	2494.880	-36.62	≤-21.20	58.58	≤74	PASS
				Peak	2500.000	-38.27	≤-21.20	56.93	≤74	PASS



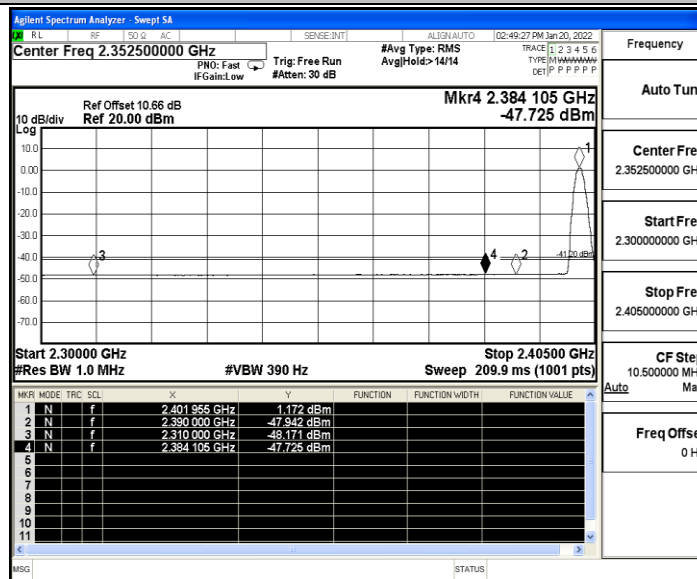
Note:

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.

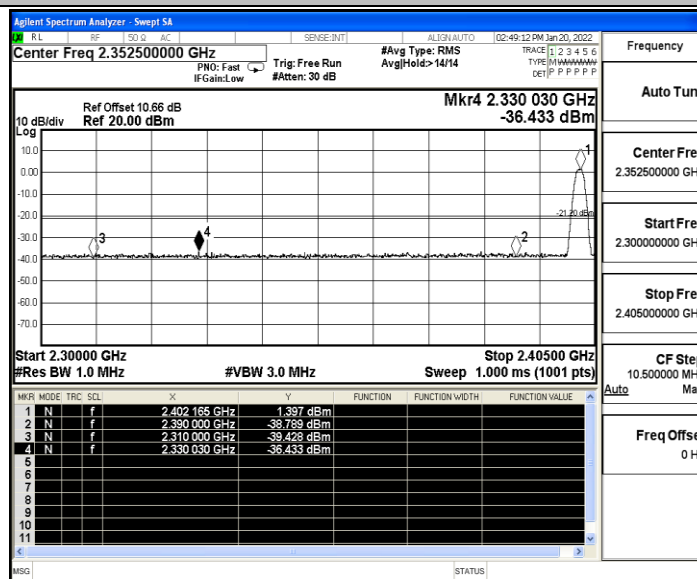


Test Graphs

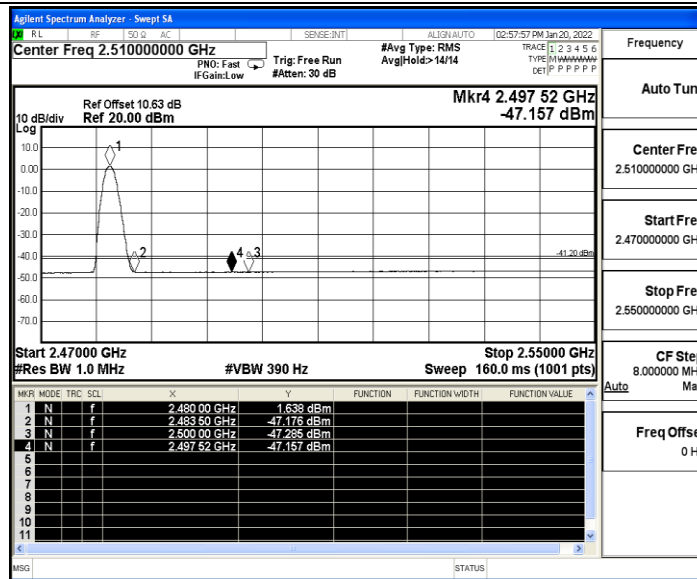
DH5_Ant_Low_2402_AV



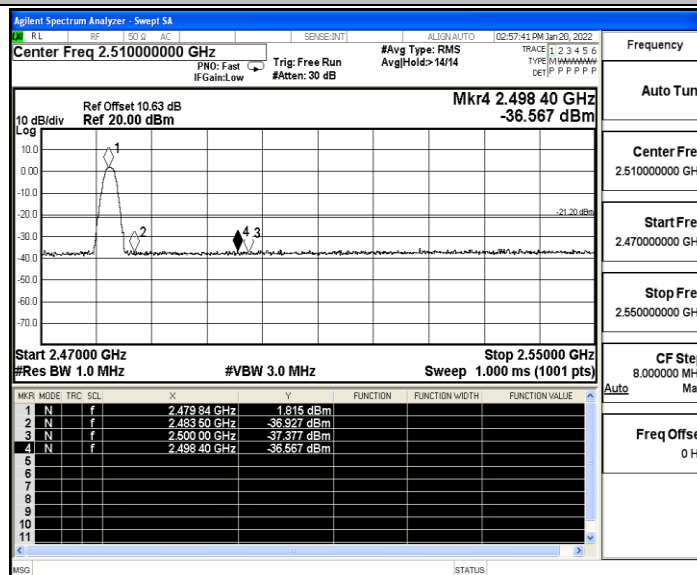
DH5_Ant_Low_2402_Peak



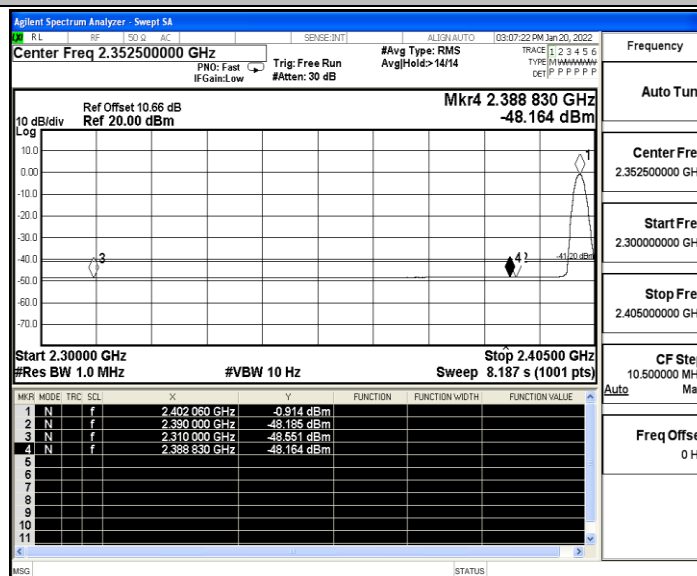
DH5_Ant_High_2480_AV



DH5_Ant_High_2480_Peak

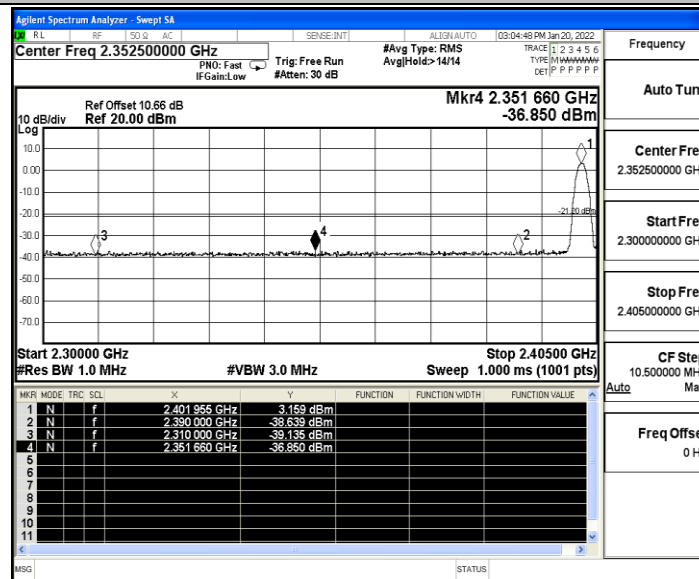


2DH5_Ant_Low_2402_AV

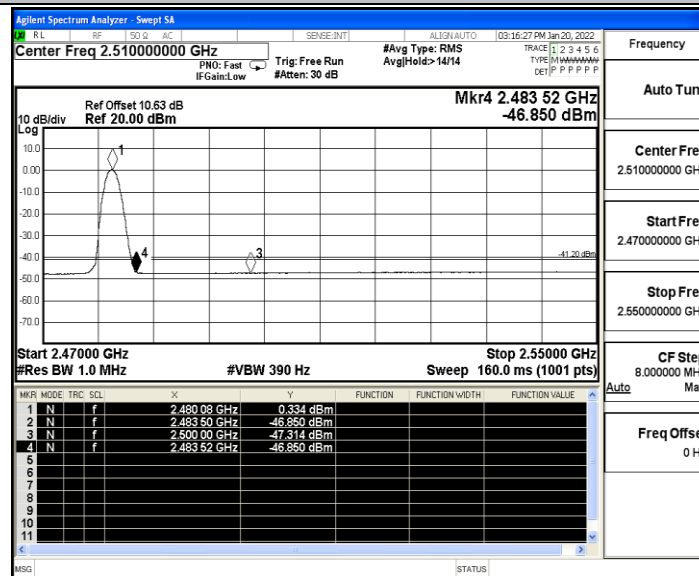




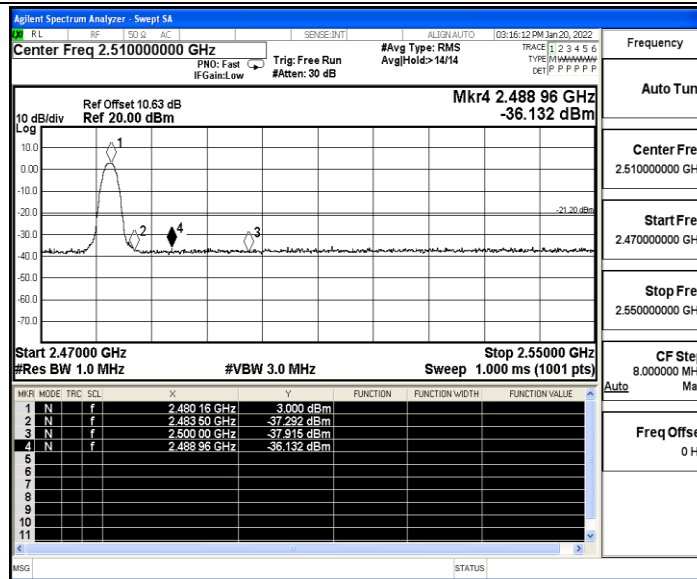
2DH5_Ant_Low_2402_Peak



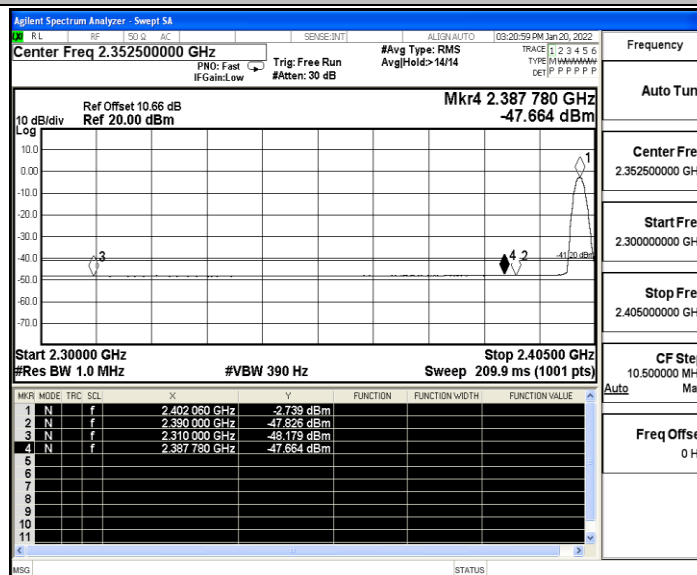
2DH5_Ant_High_2480_AV



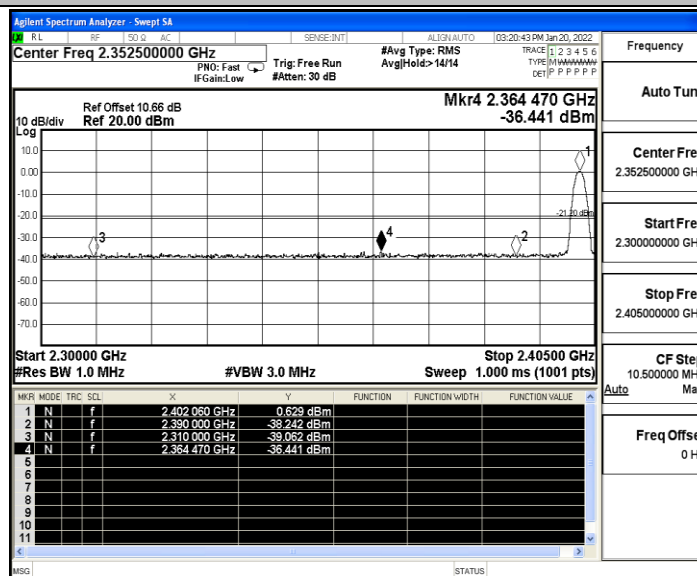
2DH5_Ant_High_2480_Peak



3DH5_Ant_Low_2402_AV

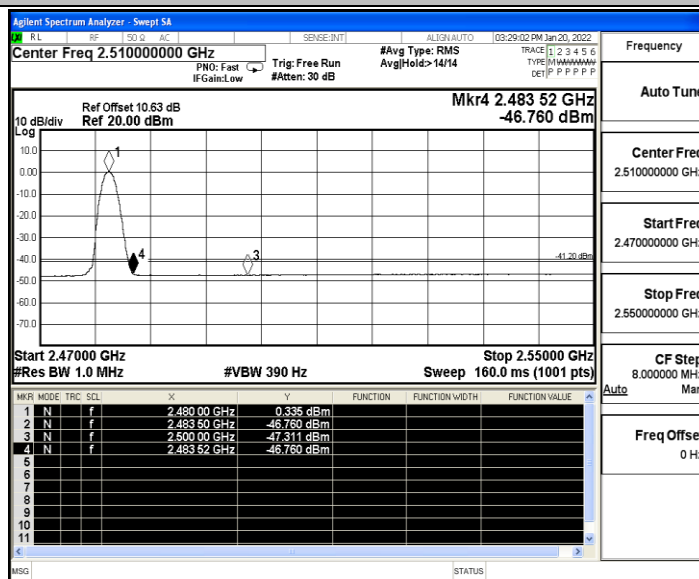


3DH5_Ant_Low_2402_Peak





3DH5_Ant_High_2480_AV



3DH5_Ant_High_2480_Peak

