



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: 8inch tablet PC

Test Model: SoyMomo_Pro_V1

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan



A.1 20dB Emission Bandwidth

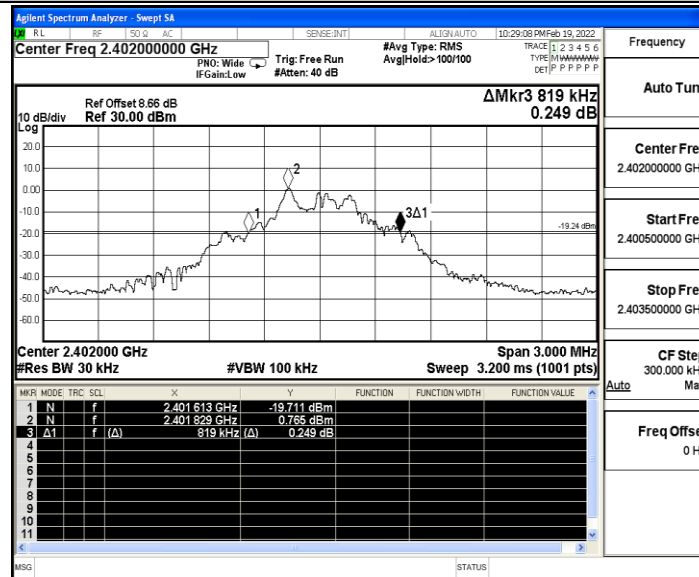
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant	2402	0.819	2401.613	2402.432	---	---
		2441	1.011	2440.490	2441.501	---	---
		2480	1.044	2479.463	2480.507	---	---
2DH5	Ant	2402	1.137	2401.430	2402.567	---	---
		2441	1.143	2440.424	2441.567	---	---
		2480	1.116	2479.433	2480.549	---	---
3DH5	Ant	2402	1.140	2401.406	2402.546	---	---
		2441	1.191	2440.394	2441.585	---	---
		2480	1.167	2479.400	2480.567	---	---

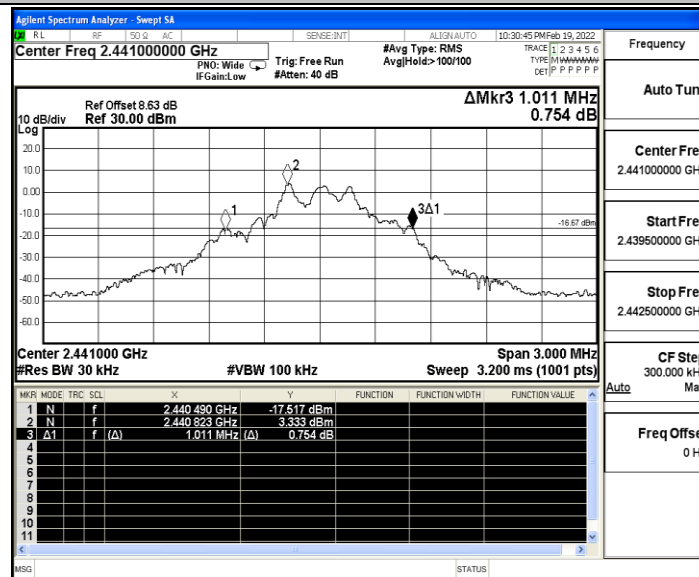


Test Graphs

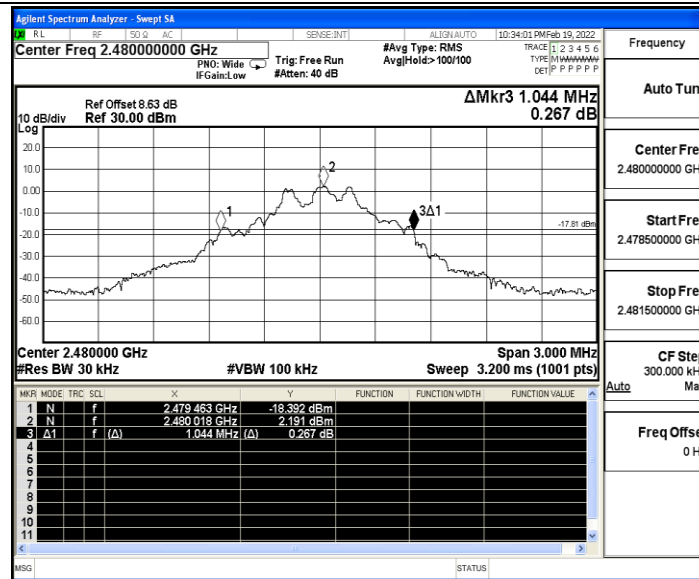
DH5_Ant_2402



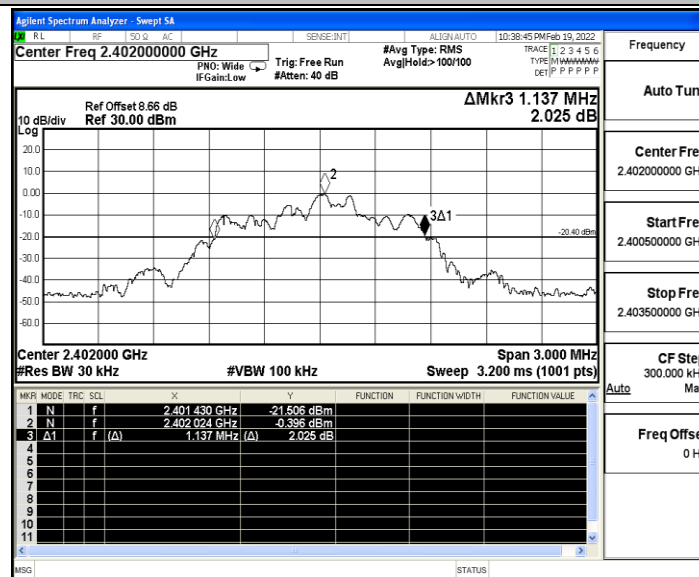
DH5_Ant_2441



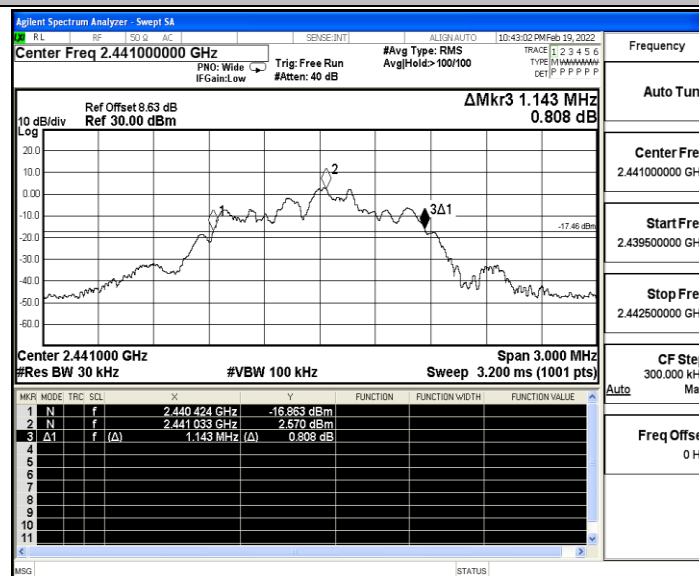
DH5_Ant_2480



2DH5_Ant_2402

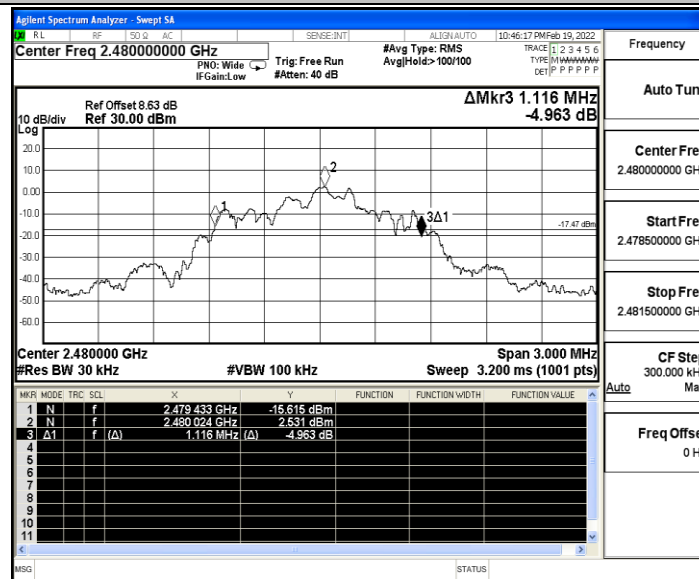


2DH5_Ant_2441

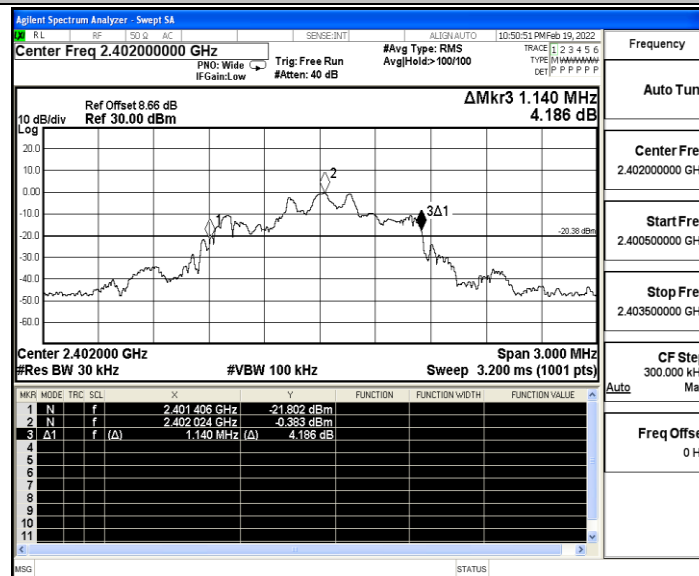




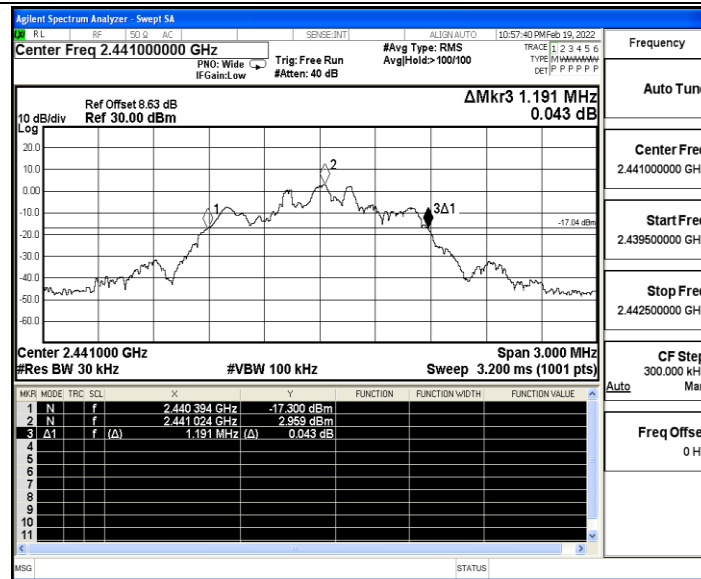
2DH5_Ant_2480



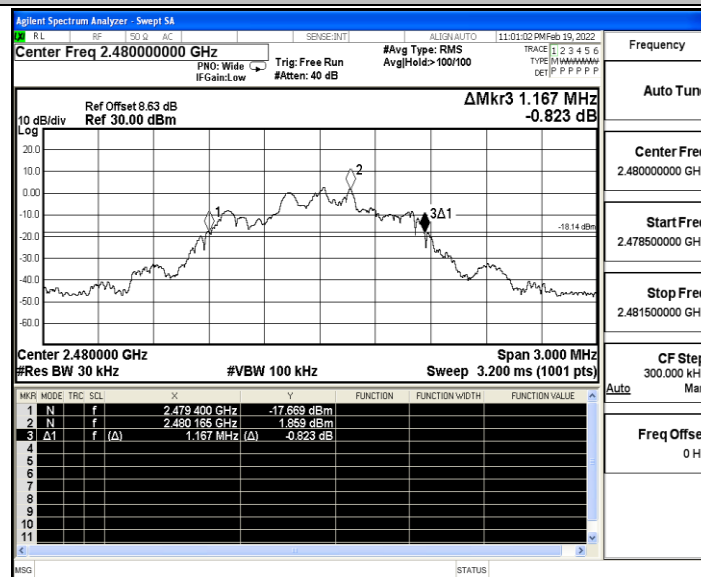
3DH5_Ant_2402



3DH5_Ant_2441



3DH5_Ant_2480





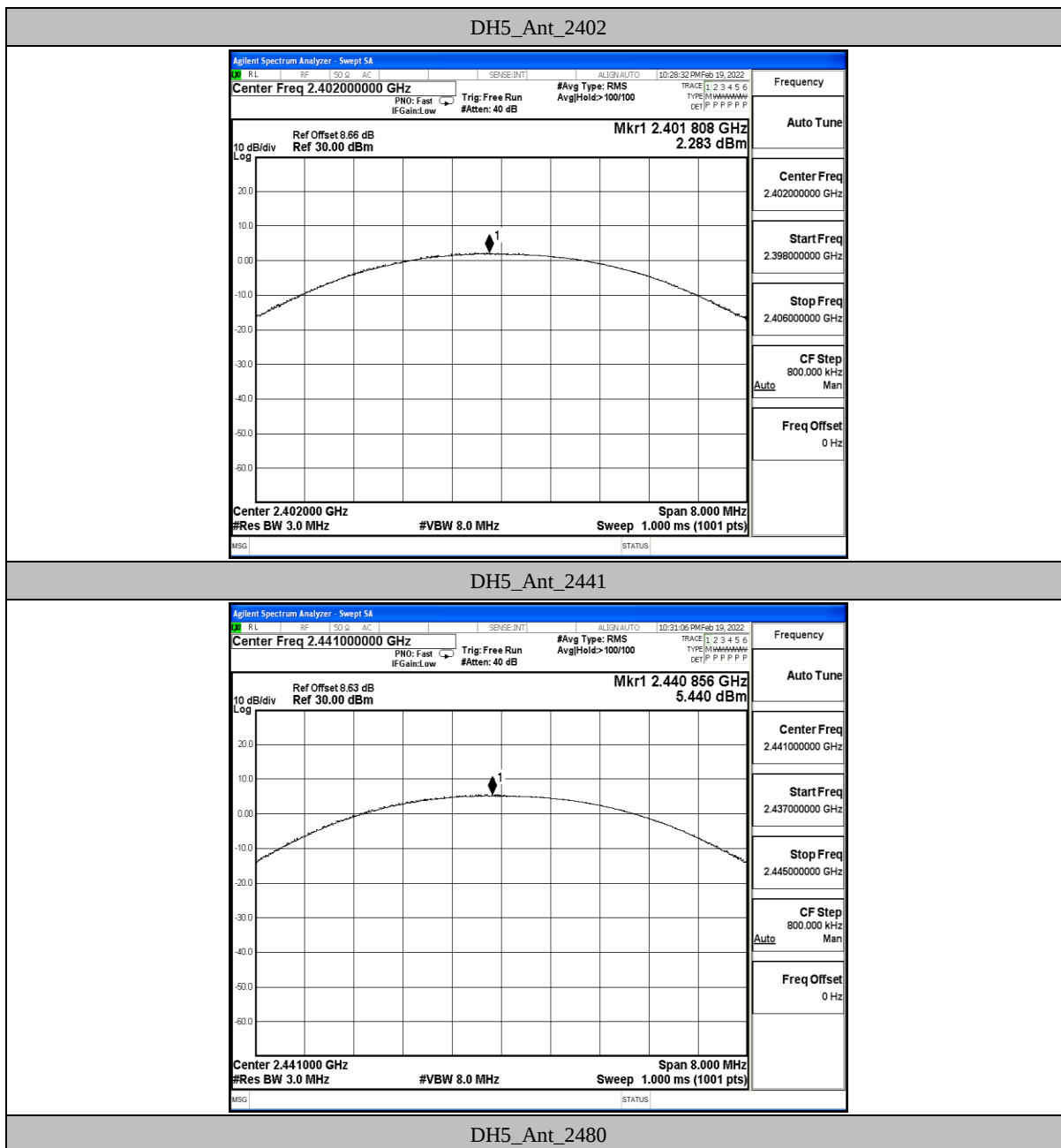
A.2 Maximum conducted output power

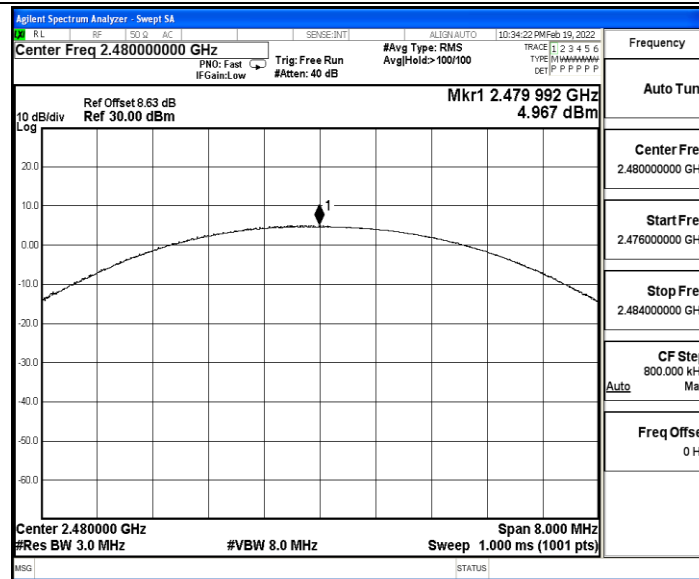
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant	2402	2.28	≤ 20.97	PASS
		2441	5.44	≤ 20.97	PASS
		2480	4.97	≤ 20.97	PASS
2DH5	Ant	2402	3.82	≤ 20.97	PASS
		2441	6.86	≤ 20.97	PASS
		2480	6.25	≤ 20.97	PASS
3DH5	Ant	2402	3.61	≤ 20.97	PASS
		2441	6.75	≤ 20.97	PASS
		2480	6.08	≤ 20.97	PASS

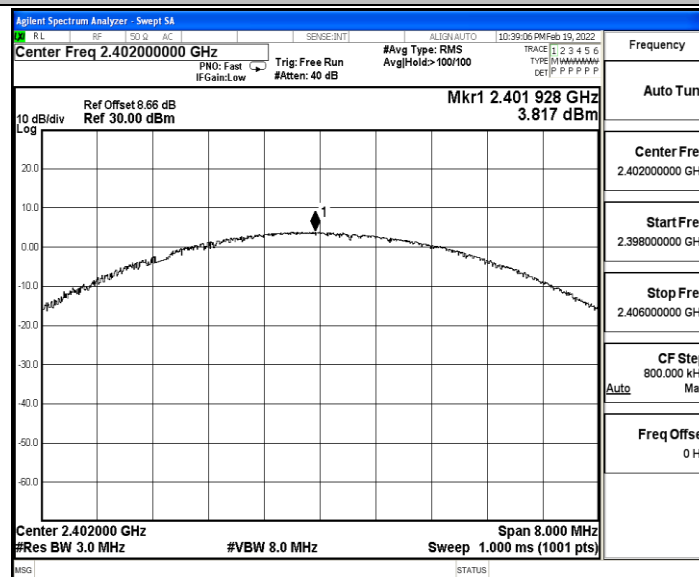


Test Graphs

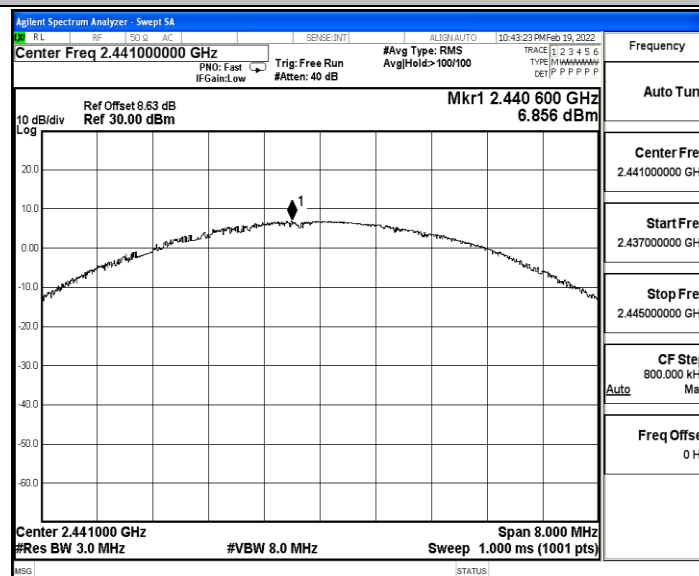




2DH5_Ant_2402

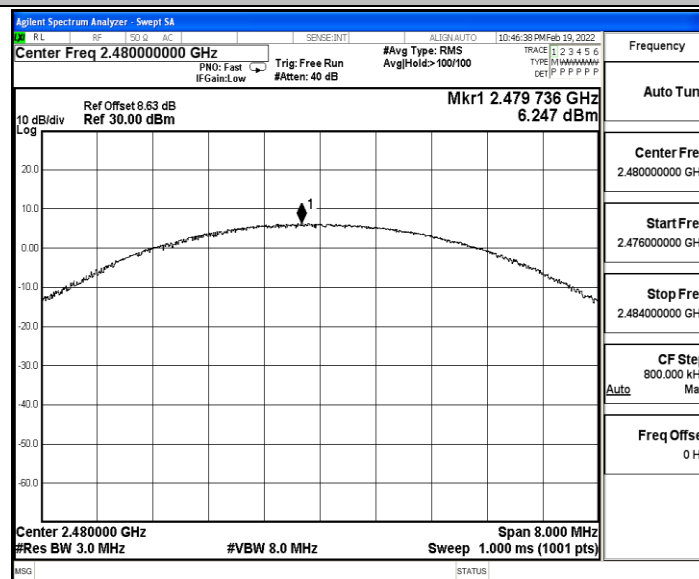


2DH5_Ant_2441

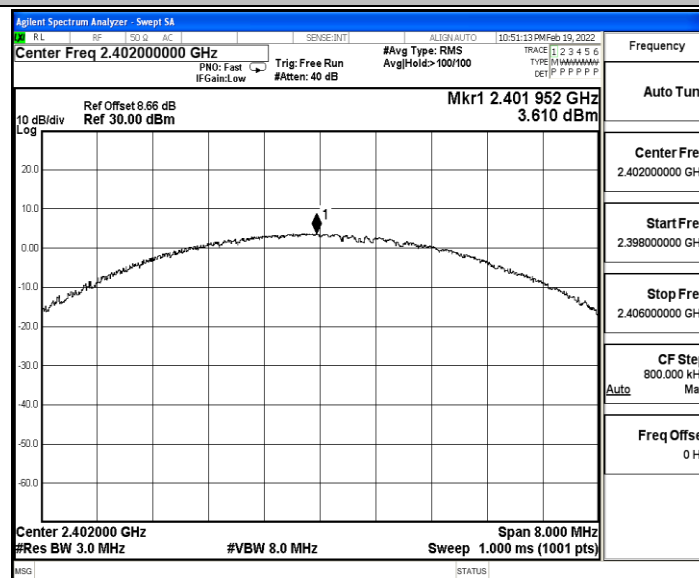




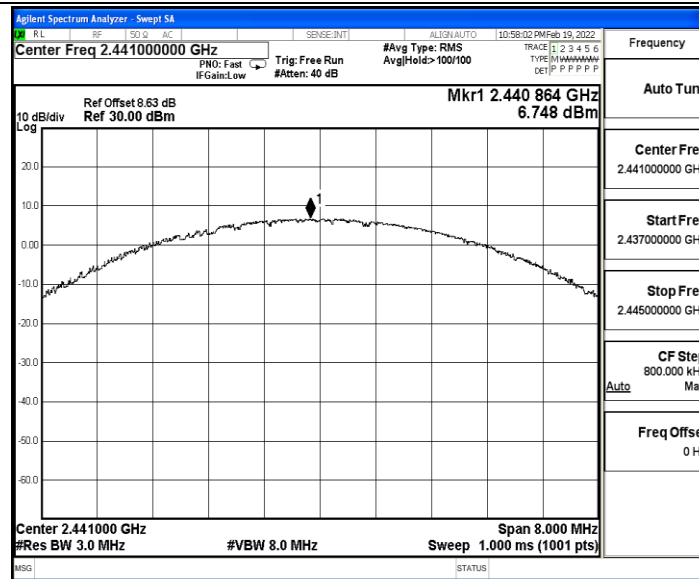
2DH5_Ant_2480



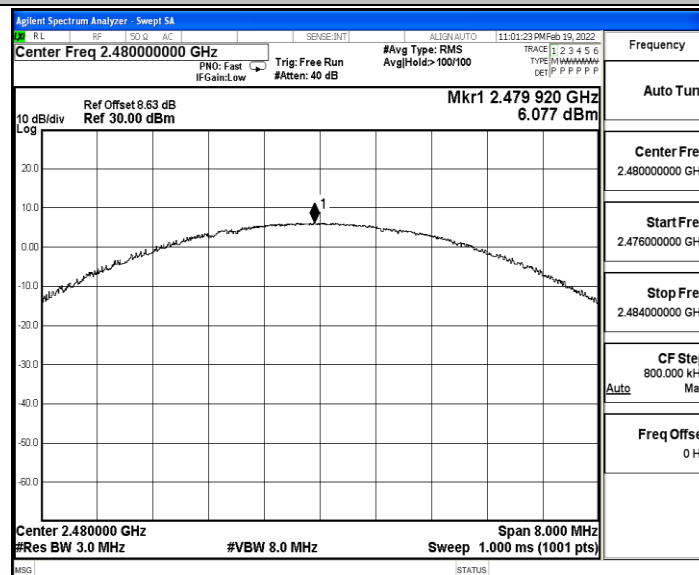
3DH5_Ant_2402



3DH5_Ant_2441



3DH5_Ant_2480





A.3 Carrier frequency separation

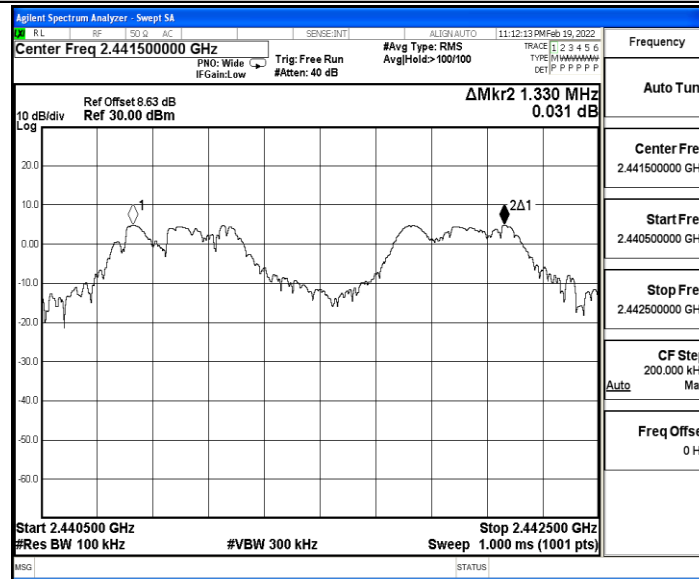
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant	Hop	1.330	≥ 0.696	PASS
2DH5	Ant	Hop	1.162	≥ 0.762	PASS
3DH5	Ant	Hop	0.976	≥ 0.794	PASS

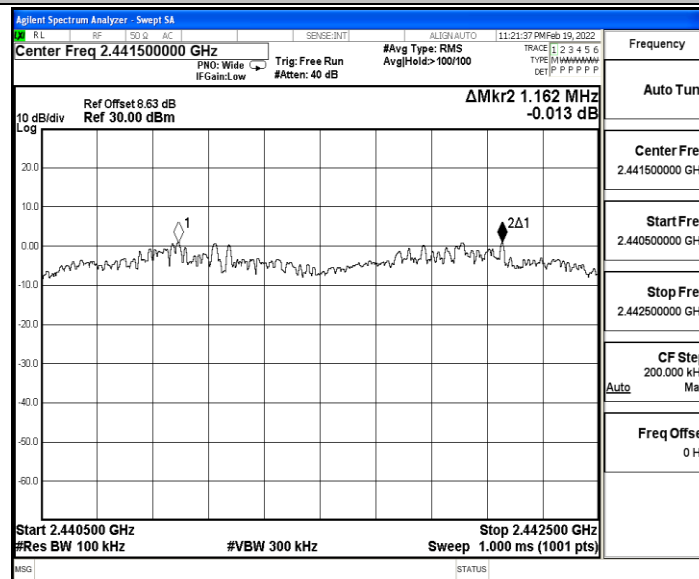


Test Graphs

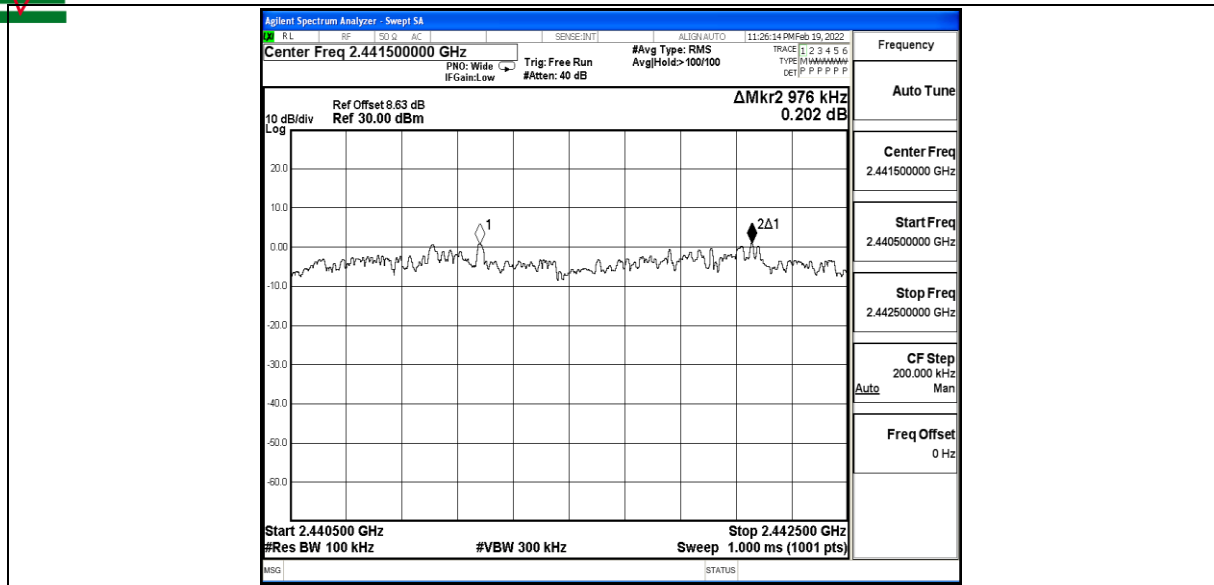
DH5_Ant_Hop



2DH5_Ant_Hop



3DH5_Ant_Hop



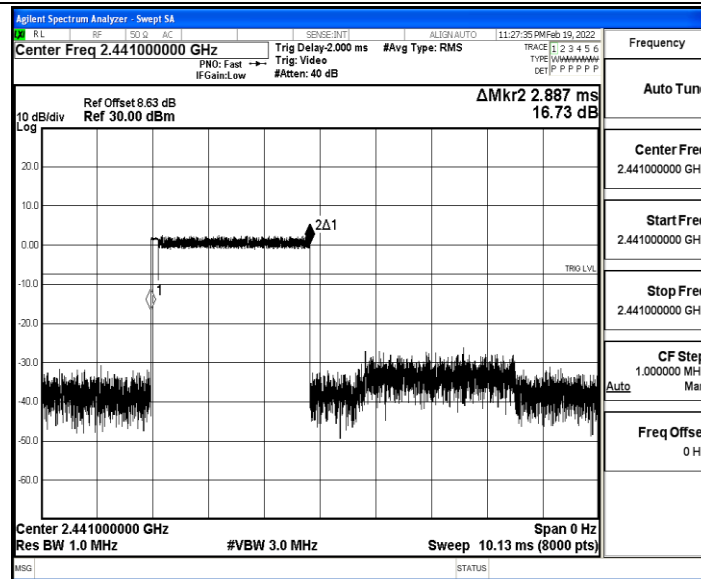


A.4 Time of occupancy

Test Result

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







A.5 Number of hopping channels

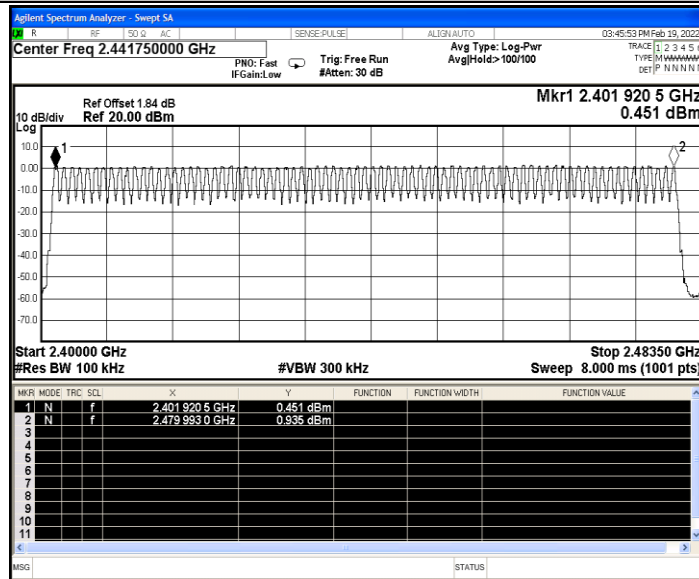
Test Result

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

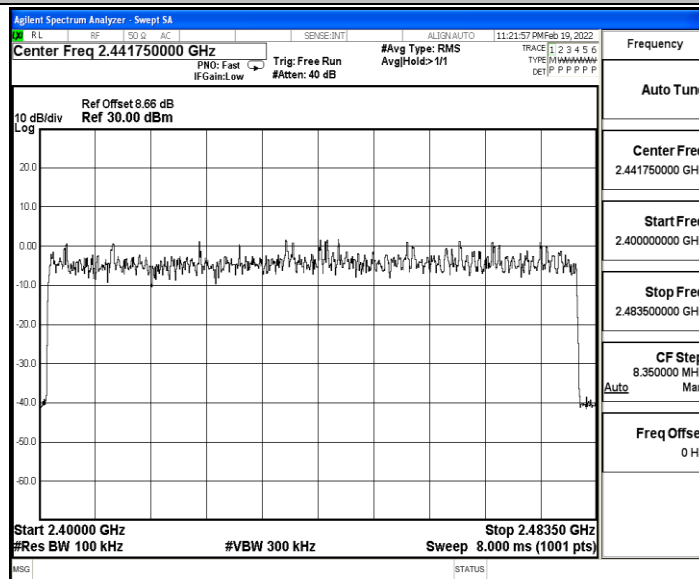


Test Graphs

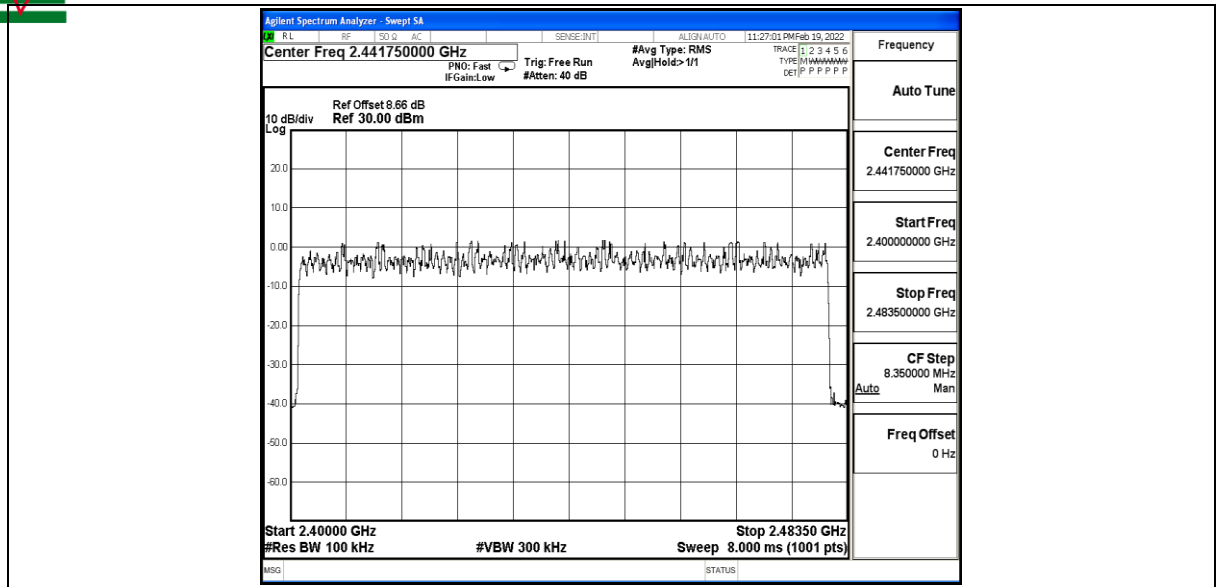
DH5_Ant_Hop



2DH5_Ant_Hop



3DH5_Ant_Hop





A.6 Band edge measurements

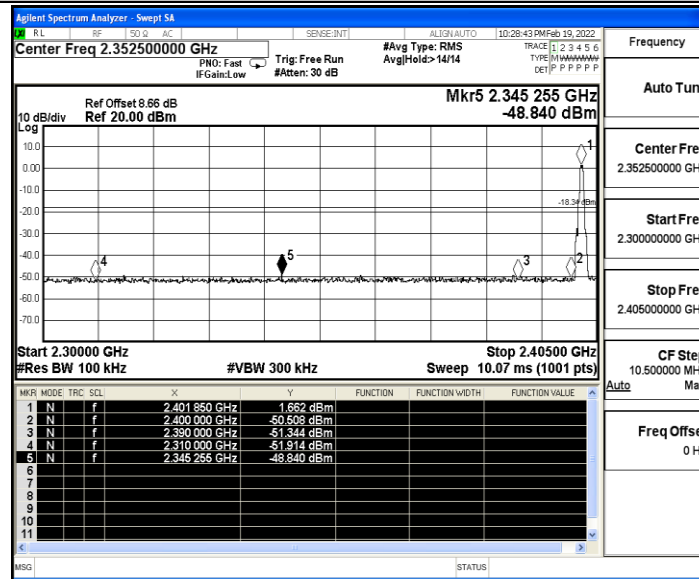
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	Low	2402	1.66	-48.84	≤ -18.34	PASS
		High	2480	4.52	-47.94	≤ -15.49	PASS
		Low	Hop_2402	1.18	-49	≤ -18.82	PASS
		High	Hop_2480	1.91	-47.74	≤ -18.09	PASS
2DH5	Ant	Low	2402	0.72	-49.2	≤ -19.28	PASS
		High	2480	4.42	-48.02	≤ -15.58	PASS
		Low	Hop_2402	-2.57	-49.2	≤ -22.57	PASS
		High	Hop_2480	-2.51	-47.85	≤ -22.51	PASS
3DH5	Ant	Low	2402	1.70	-49.21	≤ -18.3	PASS
		High	2480	4.51	-48.21	≤ -15.49	PASS
		Low	Hop_2402	-0.07	-49.37	≤ -20.07	PASS
		High	Hop_2480	1.15	-46.86	≤ -18.85	PASS

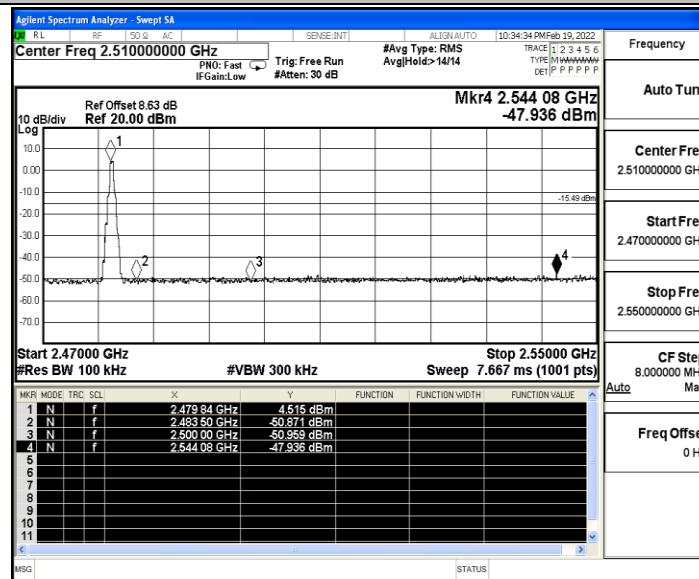


Test Graphs

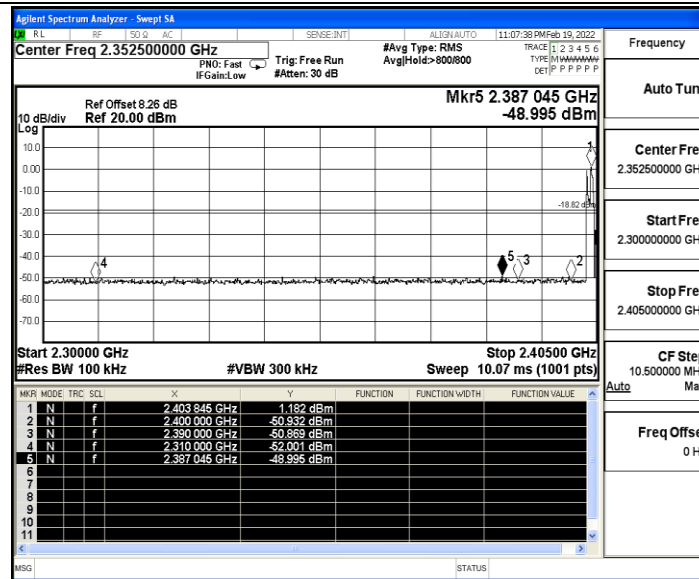
DH5_Ant_Low_2402



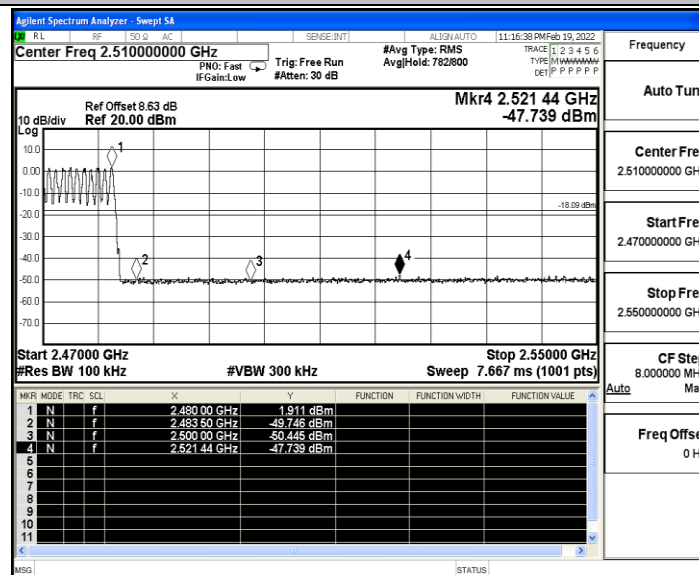
DH5_Ant_High_2480



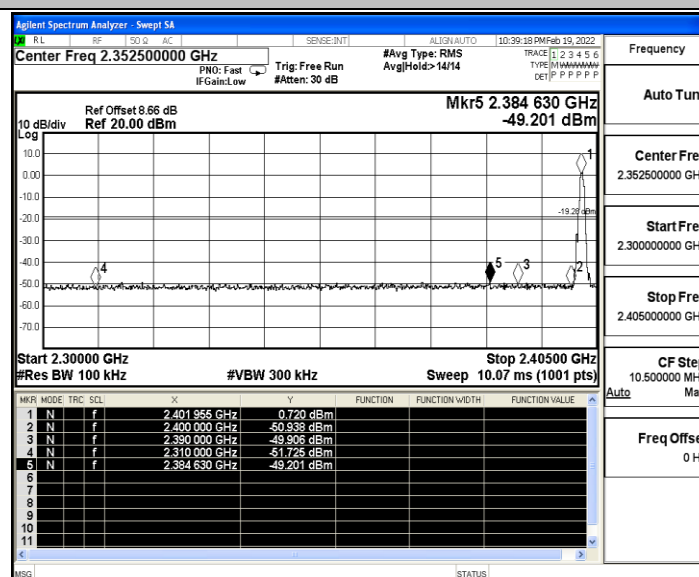
DH5_Ant_Low_Hop_2402



DH5_Ant_High_Hop_2480

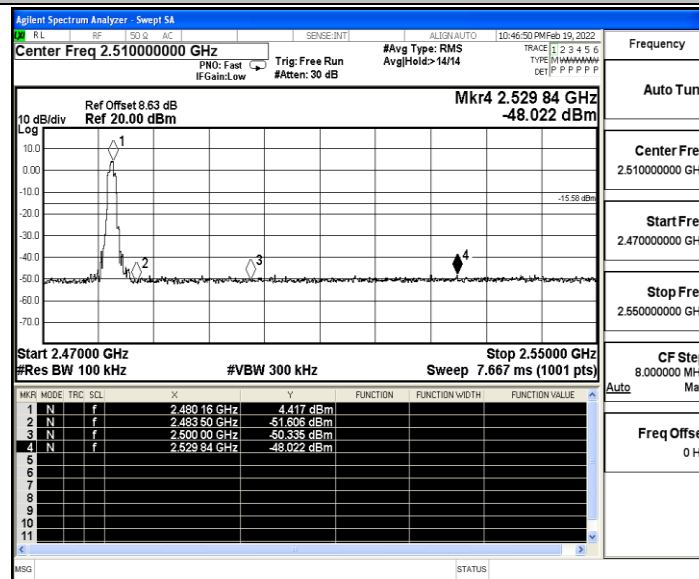


2DH5_Ant_Low_2402

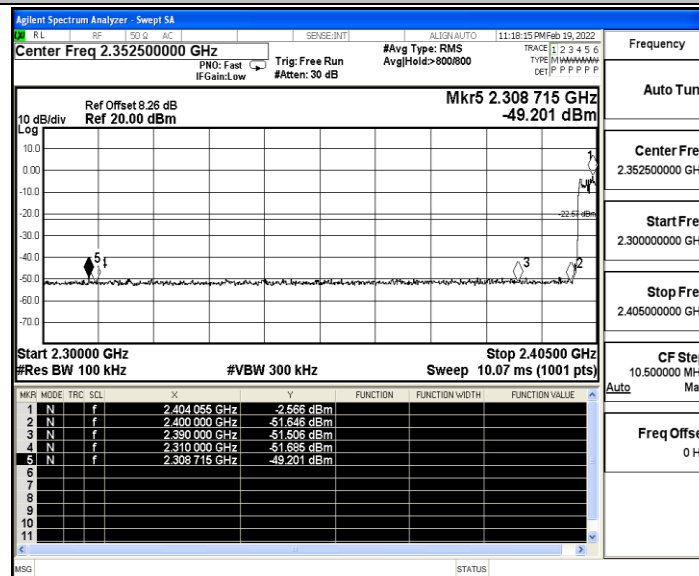




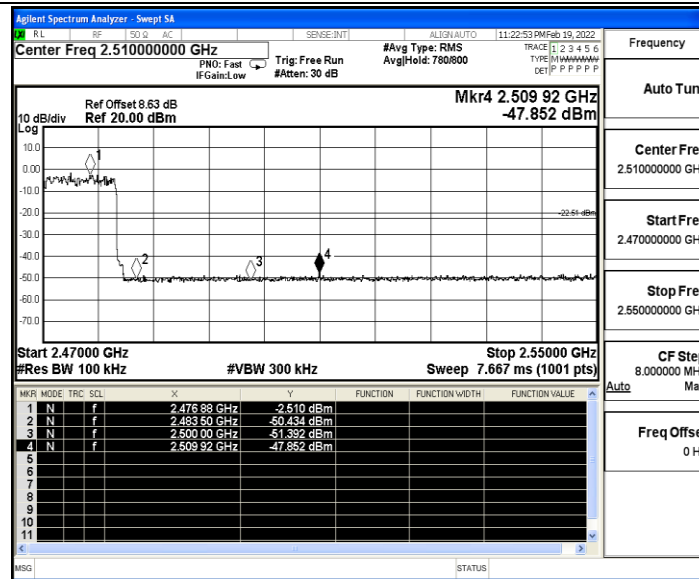
2DH5_Ant_High_2480



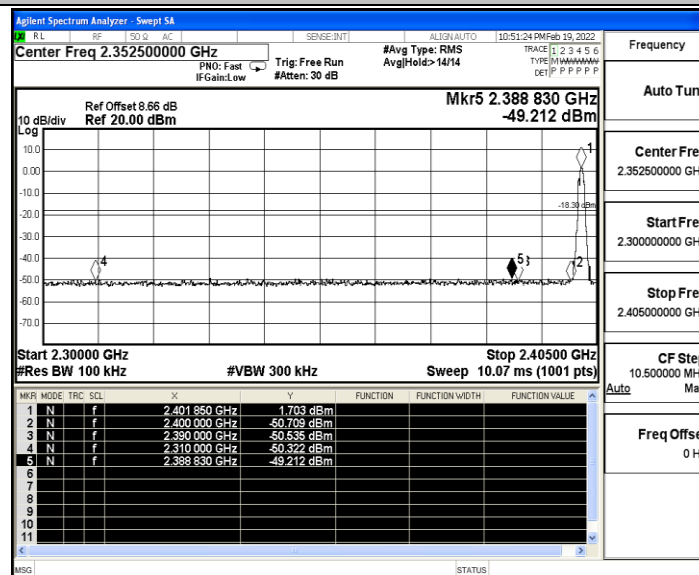
2DH5_Ant_Low_Hop_2402



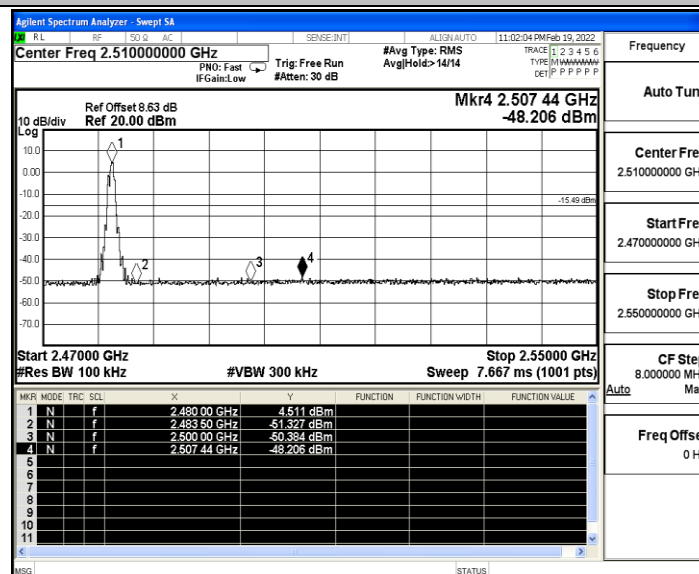
2DH5_Ant_High_Hop_2480



3DH5_Ant_Low_2402

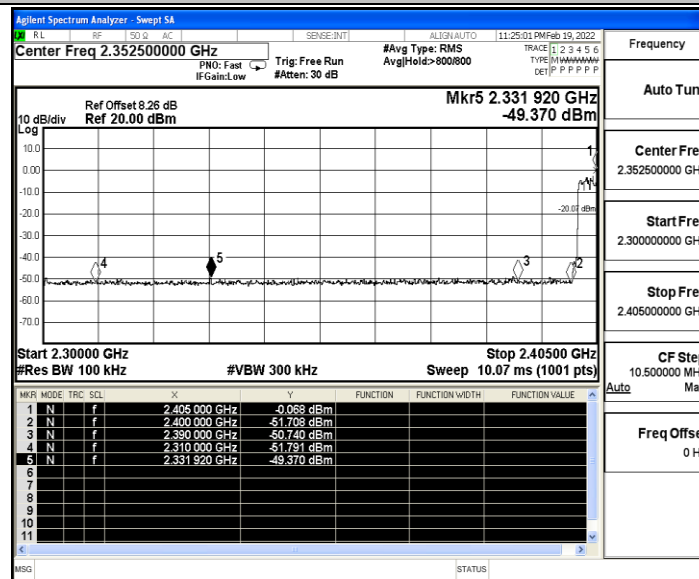


3DH5_Ant_High_2480

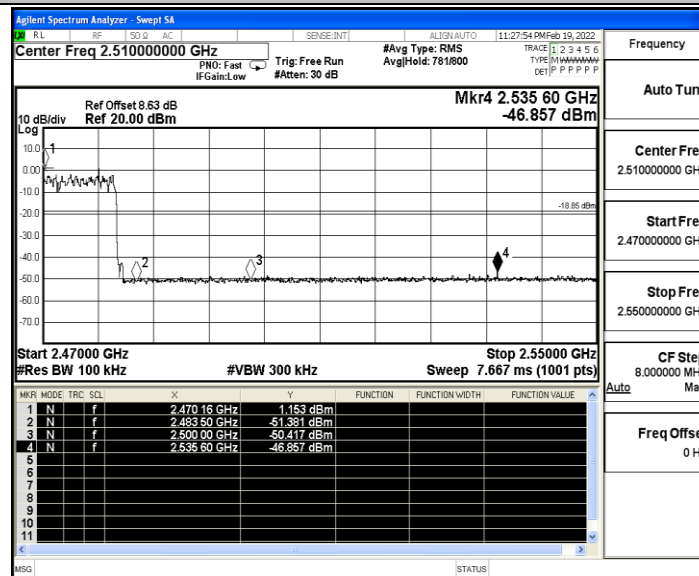




3DH5_Ant_Low_Hop_2402



3DH5_Ant_High_Hop_2480





A.7 Conducted Spurious Emission

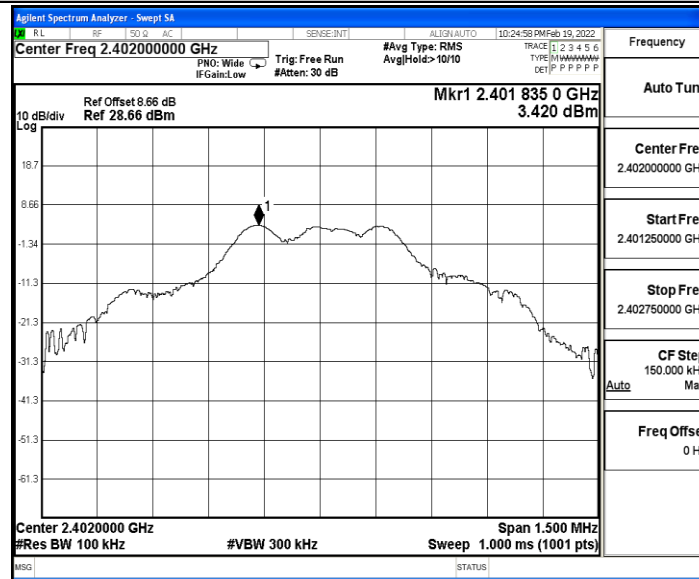
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	2402	Reference	3.42	3.42	---	PASS
			30~1000	3.42	-59.73	≤ -16.58	PASS
			1000~26500	3.42	-45.96	≤ -16.58	PASS
		2441	Reference	4.91	4.91	---	PASS
			30~1000	4.91	-60.12	≤ -15.09	PASS
			1000~26500	4.91	-45.53	≤ -15.09	PASS
		2480	Reference	4.47	4.47	---	PASS
			30~1000	4.47	-60.3	≤ -15.53	PASS
			1000~26500	4.47	-46.65	≤ -15.53	PASS
2DH5	Ant	2402	Reference	1.29	1.29	---	PASS
			30~1000	1.29	-60.77	≤ -18.71	PASS
			1000~26500	1.29	-45.84	≤ -18.71	PASS
		2441	Reference	4.75	4.75	---	PASS
			30~1000	4.75	-60.35	≤ -15.25	PASS
			1000~26500	4.75	-45.89	≤ -15.25	PASS
		2480	Reference	4.35	4.35	---	PASS
			30~1000	4.35	-60.09	≤ -15.65	PASS
			1000~26500	4.35	-46.41	≤ -15.65	PASS
3DH5	Ant	2402	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-53.49	≤ -18.39	PASS
			1000~26500	1.61	-45.49	≤ -18.39	PASS
		2441	Reference	4.85	4.85	---	PASS
			30~1000	4.85	-55.65	≤ -15.15	PASS
			1000~26500	4.85	-46.5	≤ -15.15	PASS
		2480	Reference	4.45	4.45	---	PASS
			30~1000	4.45	-60.22	≤ -15.55	PASS
			1000~26500	4.45	-46.36	≤ -15.55	PASS

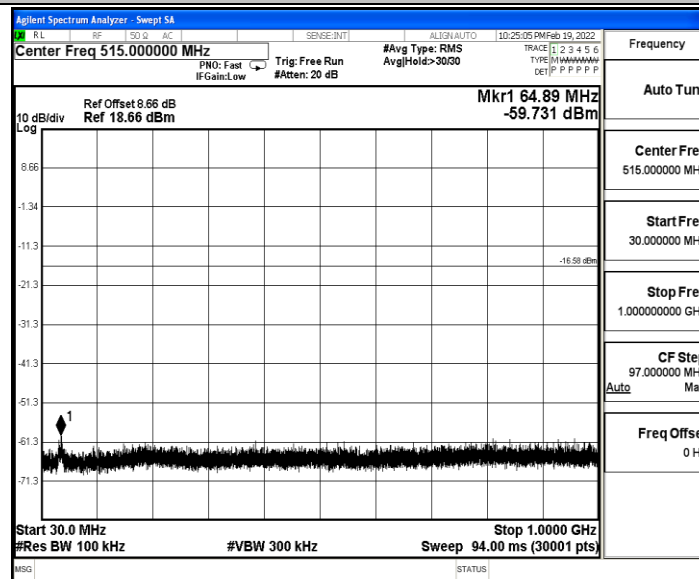


Test Graphs

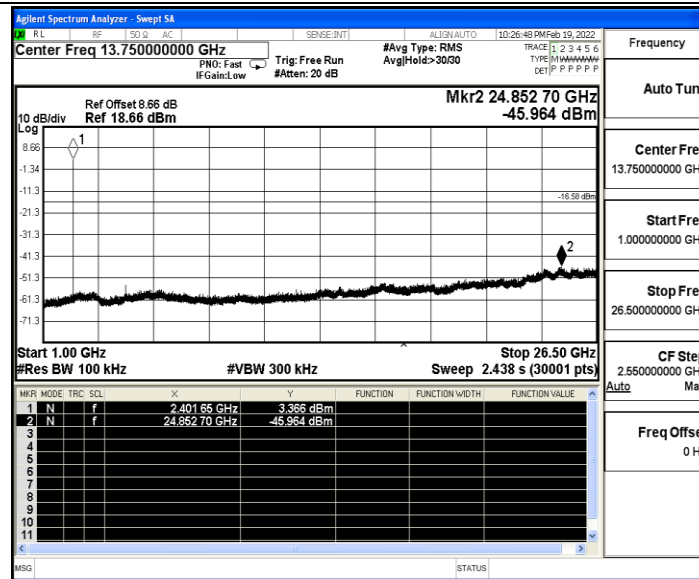
DH5_Ant_2402_0~Reference



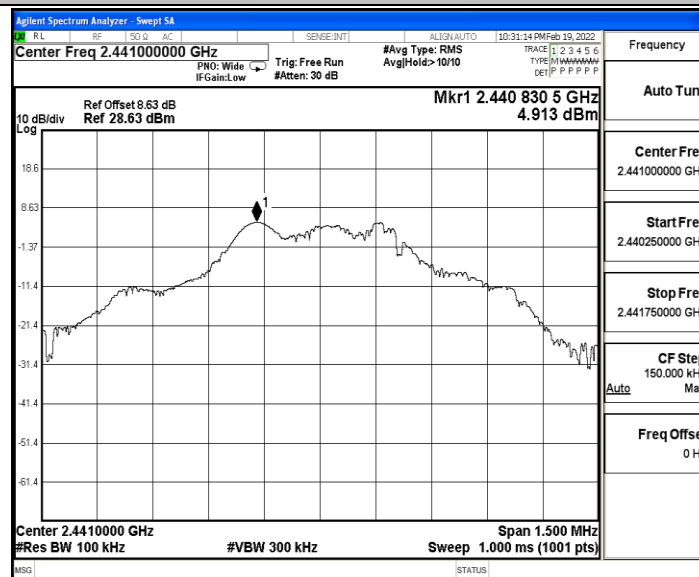
DH5_Ant_2402_30~1000



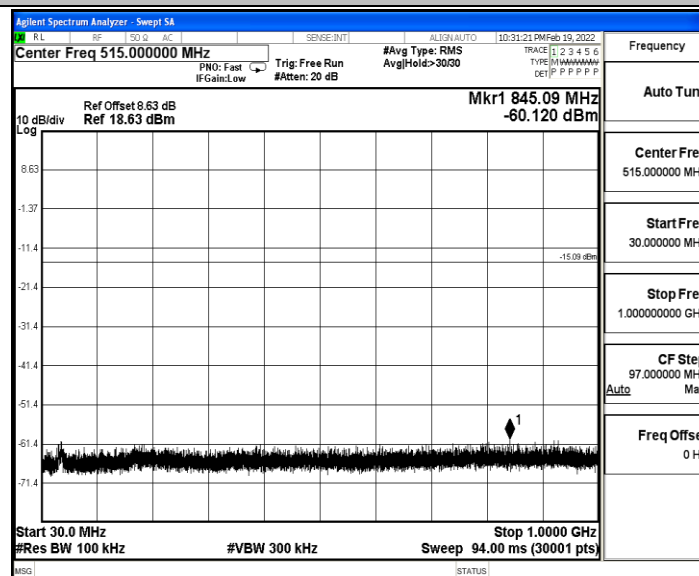
DH5_Ant_2402_1000~26500



DH5_Ant_2441_0~Reference

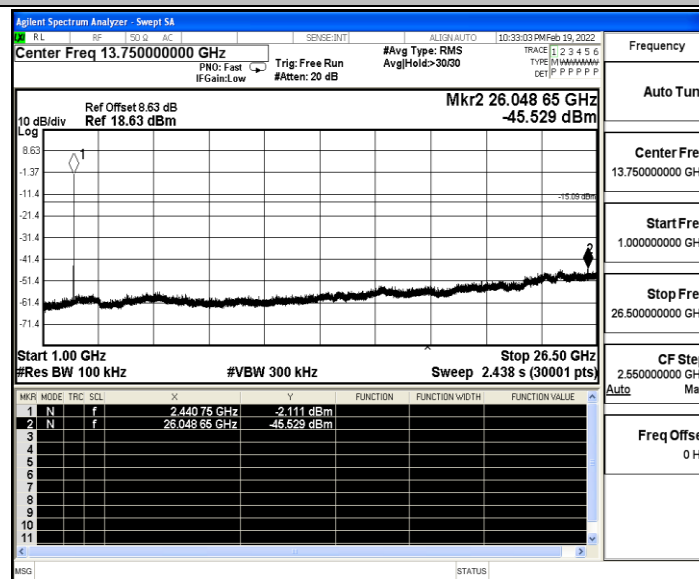


DH5_Ant_2441_30~1000

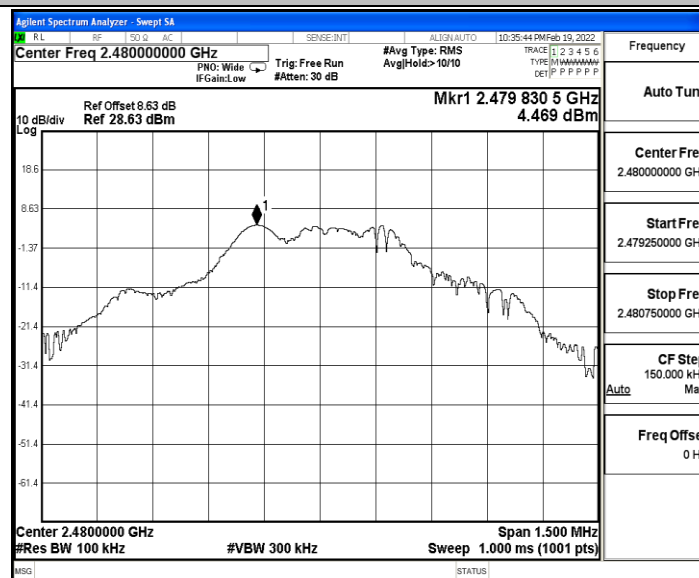




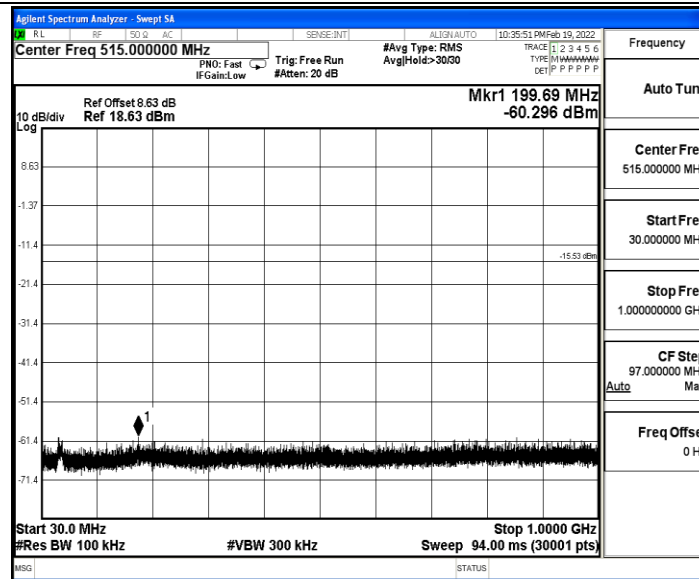
DH5_Ant_2441_1000~26500



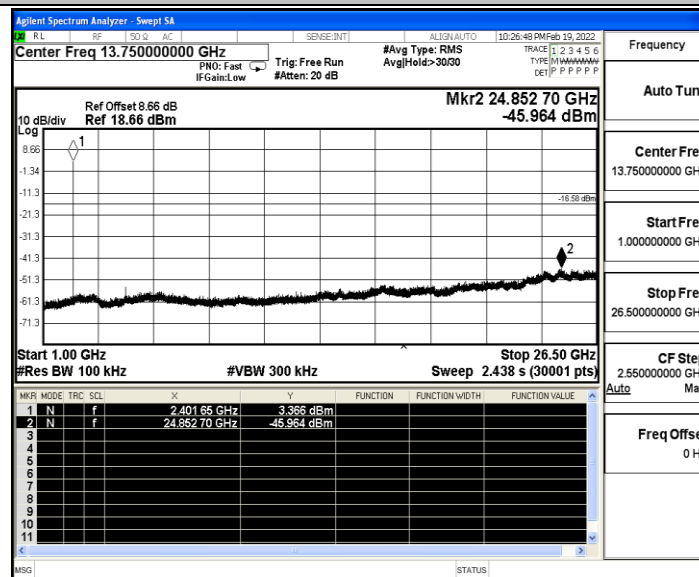
DH5_Ant_2480_0~Reference



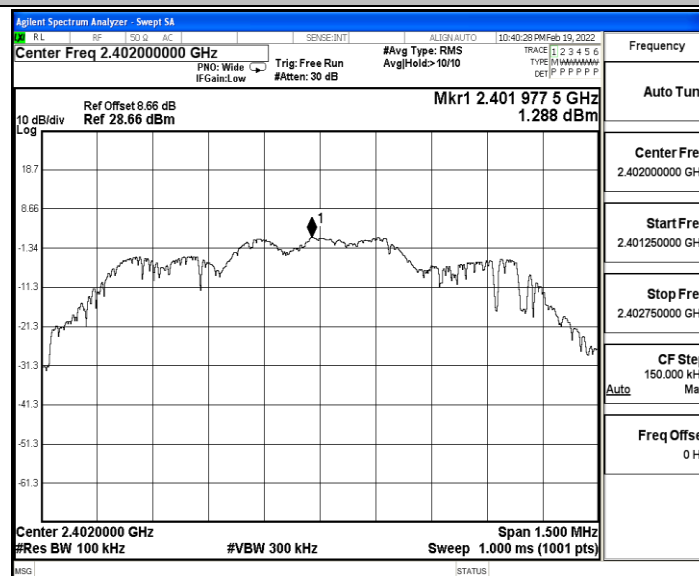
DH5_Ant_2480_30~1000



DH5_Ant_2480_1000~26500

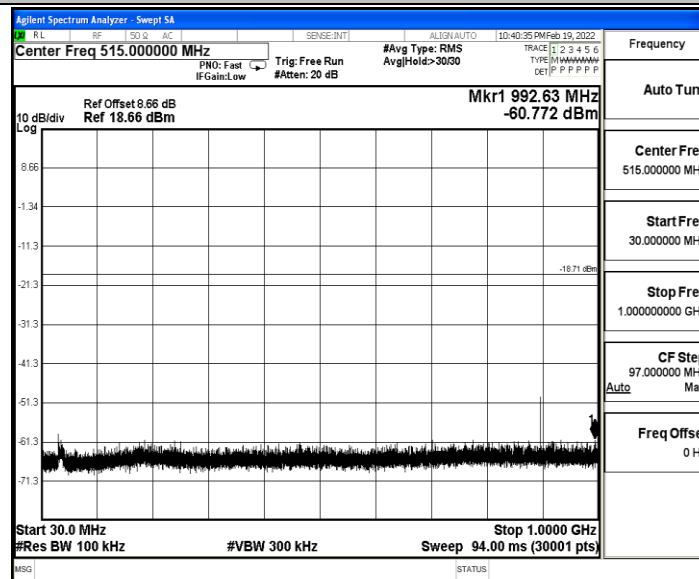


2DH5_Ant_2402_0~Reference

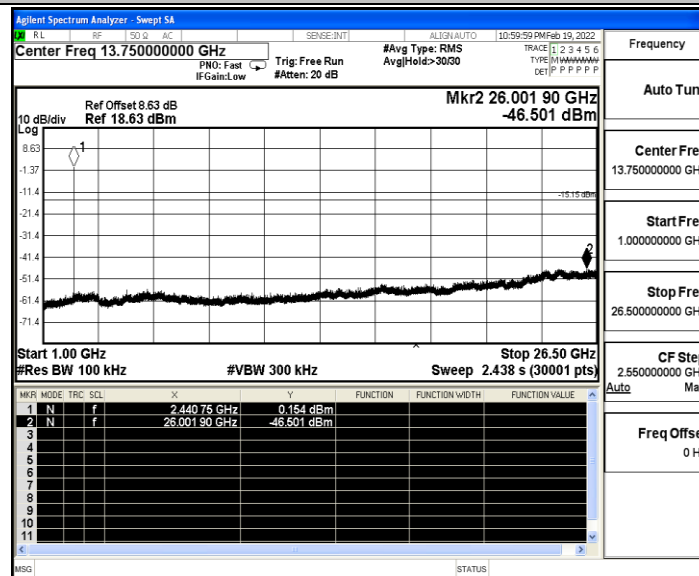




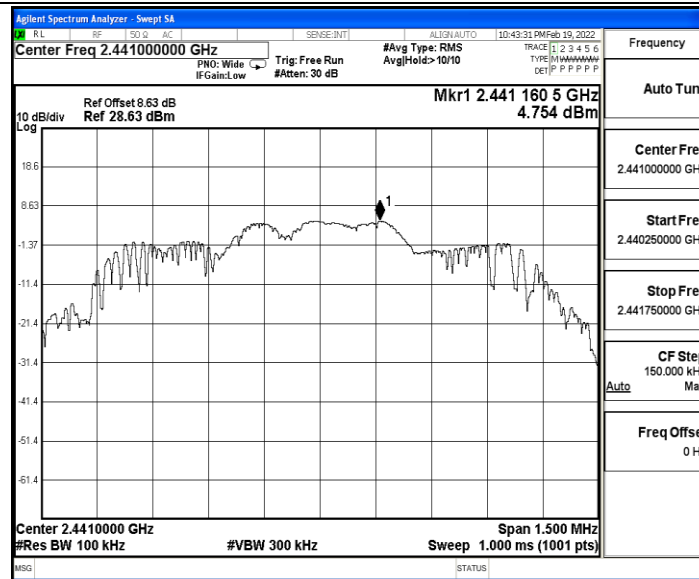
2DH5_Ant_2402_30~1000



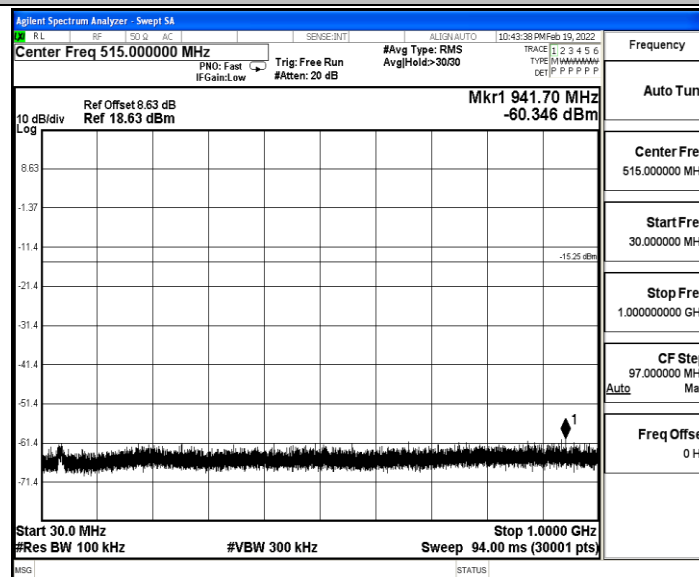
2DH5_Ant_2402_1000~26500



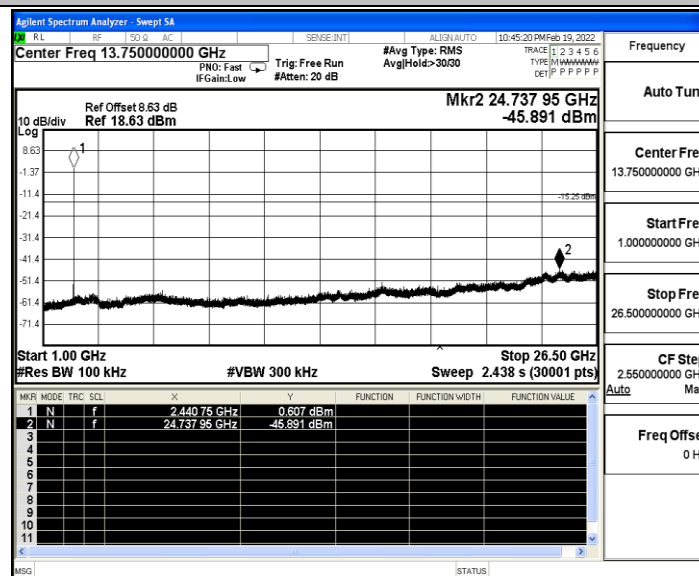
2DH5_Ant_2441_0~Reference



2DH5_Ant_2441_30~1000

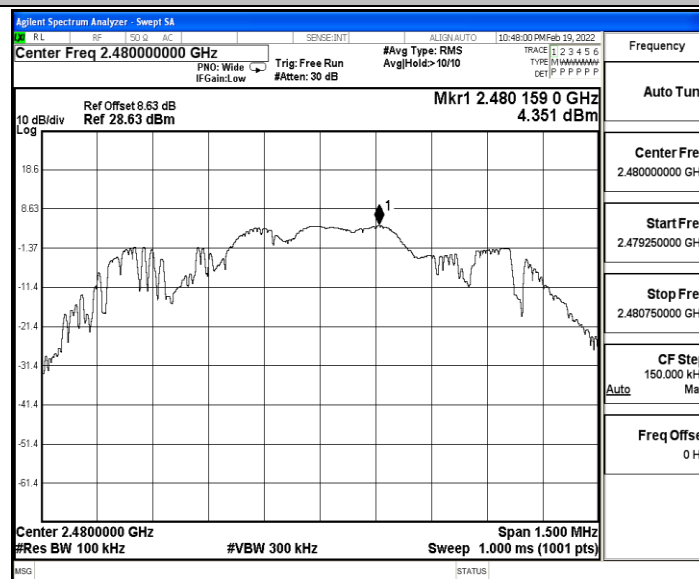


2DH5_Ant_2441_1000~26500

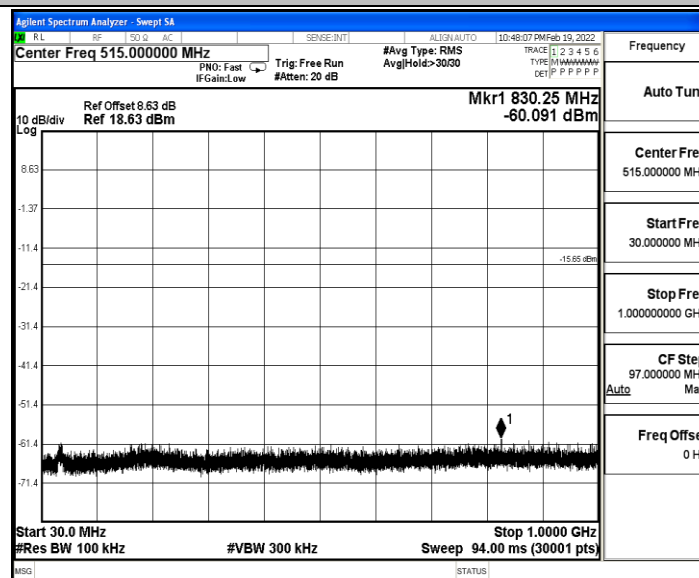




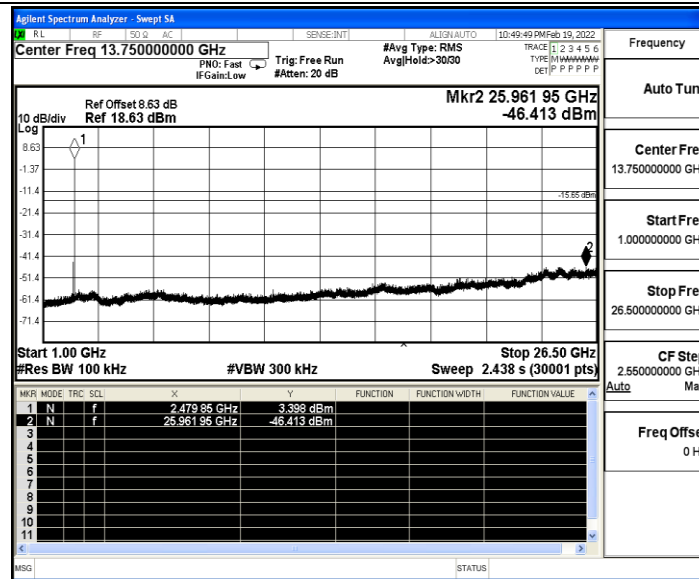
2DH5_Ant_2480_0~Reference



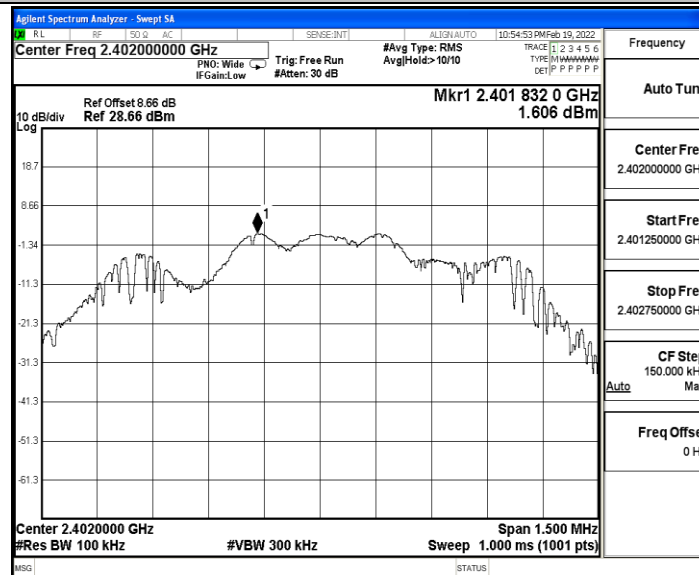
2DH5_Ant_2480_30~1000



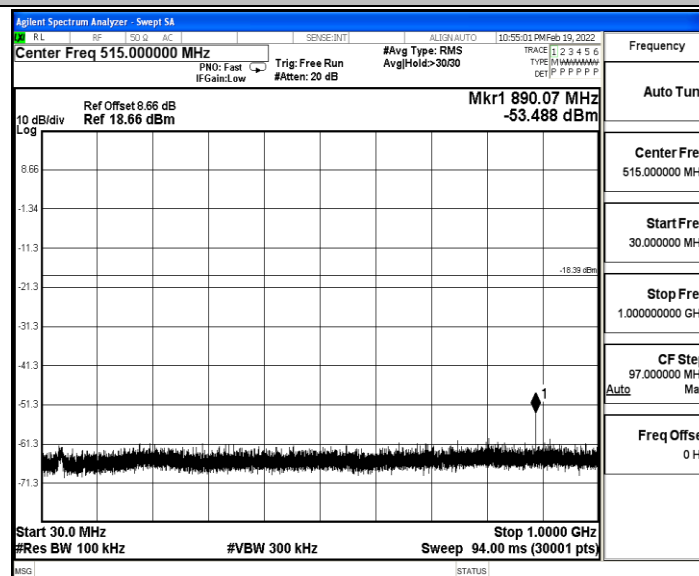
2DH5_Ant_2480_1000~26500



3DH5_Ant_2402_0~Reference

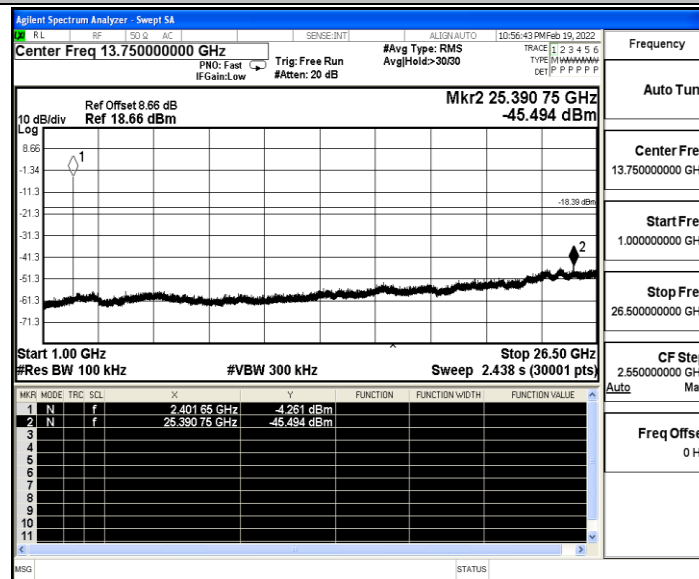


3DH5_Ant_2402_30~1000

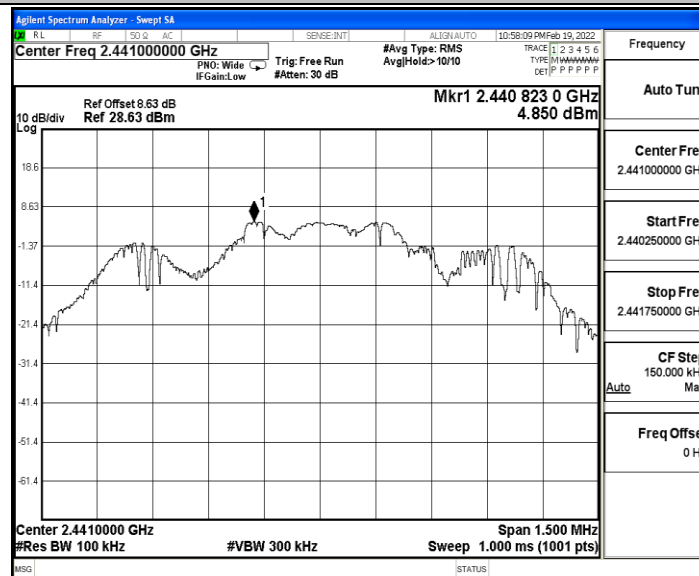




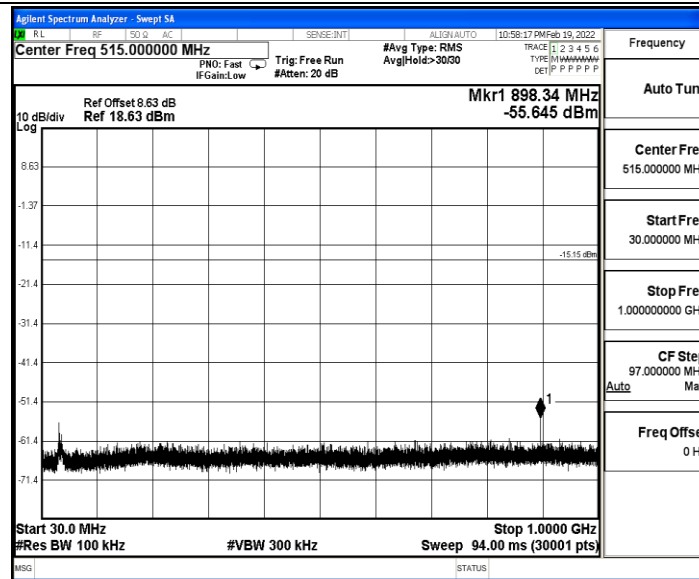
3DH5_Ant_2402_1000~26500



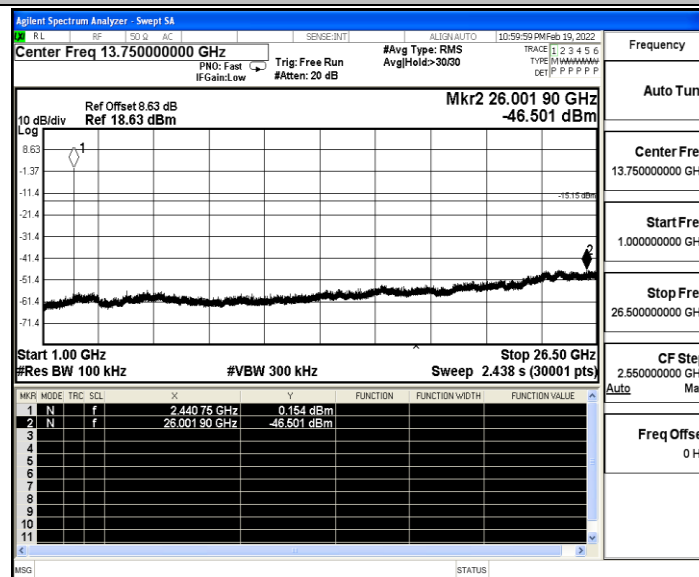
3DH5_Ant_2441_0~Reference



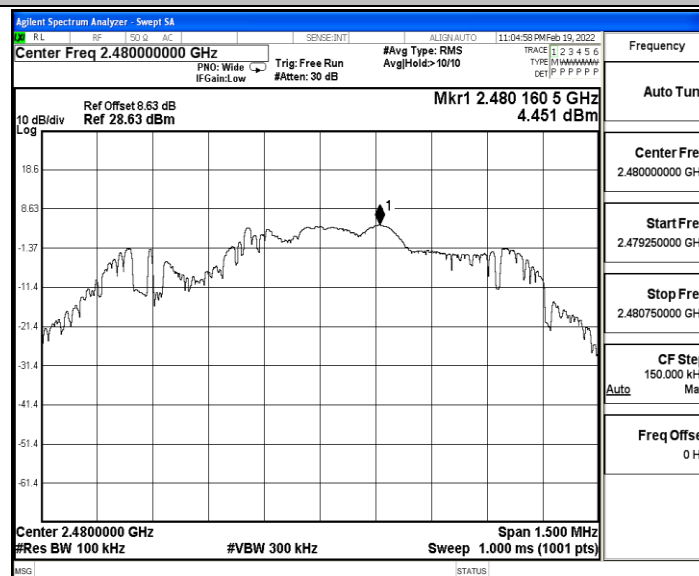
3DH5_Ant_2441_30~1000



3DH5_Ant_2441_1000~26500

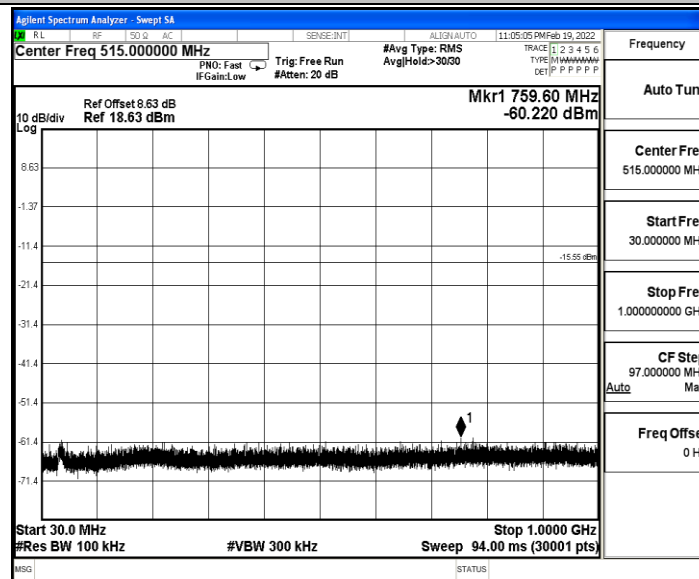


3DH5_Ant_2480_0~Reference

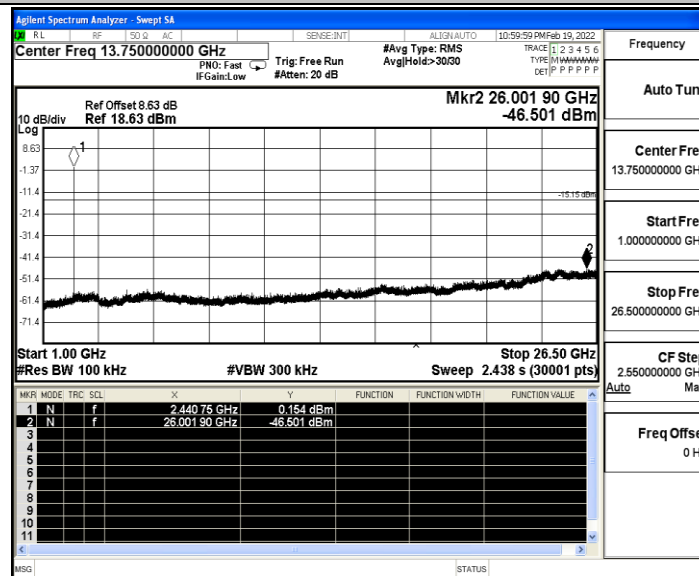




3DH5_Ant_2480_30~1000



3DH5_Ant_2480_1000~26500





A.8 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant	Low	2402	AV	2310.000	-46.83	48.37	≤54	PASS
				AV	2385.785	-46.08	49.12	≤54	PASS
				AV	2390.000	-46.54	48.66	≤54	PASS
				Peak	2310.000	-39.05	56.15	≤74	PASS
				Peak	2362.580	-36.46	58.74	≤74	PASS
				Peak	2390.000	-38.93	56.27	≤74	PASS
		High	2480	AV	2483.500	-46.41	48.79	≤54	PASS
				AV	2498.240	-45.45	49.75	≤54	PASS
				AV	2500.000	-46.32	48.88	≤54	PASS
				Peak	2483.500	-38.57	56.63	≤74	PASS
				Peak	2498.800	-36.41	58.79	≤74	PASS
				Peak	2500.000	-38.43	56.77	≤74	PASS
2DH5	Ant	Low	2402	AV	2310.000	-46.78	48.42	≤54	PASS
				AV	2386.415	-46.25	48.95	≤54	PASS
				AV	2390.000	-46.7	48.50	≤54	PASS
				Peak	2310.000	-39.17	56.03	≤74	PASS
				Peak	2331.500	-36.65	58.55	≤74	PASS
				Peak	2390.000	-37.97	57.23	≤74	PASS
		High	2480	AV	2483.500	-45.96	49.24	≤54	PASS
				AV	2499.040	-45.71	49.49	≤54	PASS
				AV	2500.000	-46.14	49.06	≤54	PASS
				Peak	2483.500	-37.23	57.97	≤74	PASS
				Peak	2483.680	-36.55	58.65	≤74	PASS
				Peak	2500.000	-38.42	56.78	≤74	PASS
3DH5	Ant	Low	2402	AV	2310.000	-48.67	46.53	≤54	PASS
				AV	2389.775	-48.26	46.94	≤54	PASS
				AV	2390.000	-48.3	46.90	≤54	PASS
				Peak	2310.000	-37.32	57.88	≤74	PASS
				Peak	2377.595	-35.82	59.38	≤74	PASS
				Peak	2390.000	-38.23	56.97	≤74	PASS
		High	2480	AV	2483.500	-47.89	47.31	≤54	PASS
				AV	2499.280	-47.7	47.50	≤54	PASS
				AV	2500.000	-47.74	47.46	≤54	PASS
				Peak	2483.500	-36.55	58.65	≤74	PASS
				Peak	2487.760	-36.14	59.06	≤74	PASS
				Peak	2500.000	-38.03	57.17	≤74	PASS



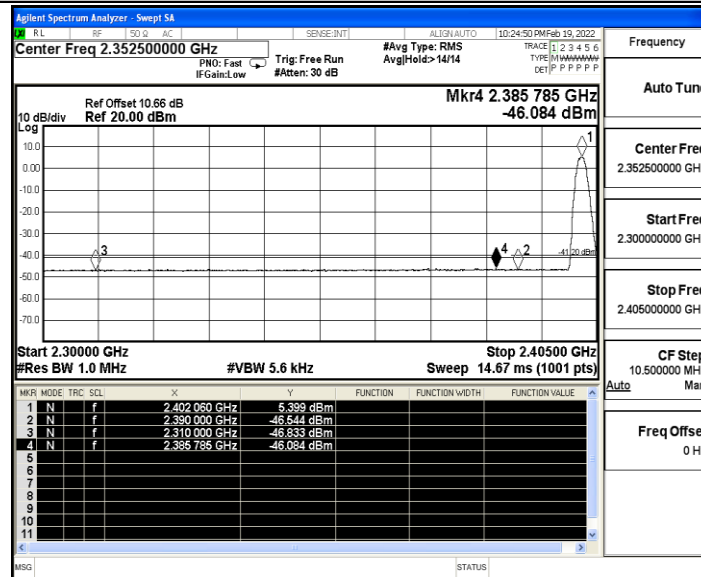
Note:

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.

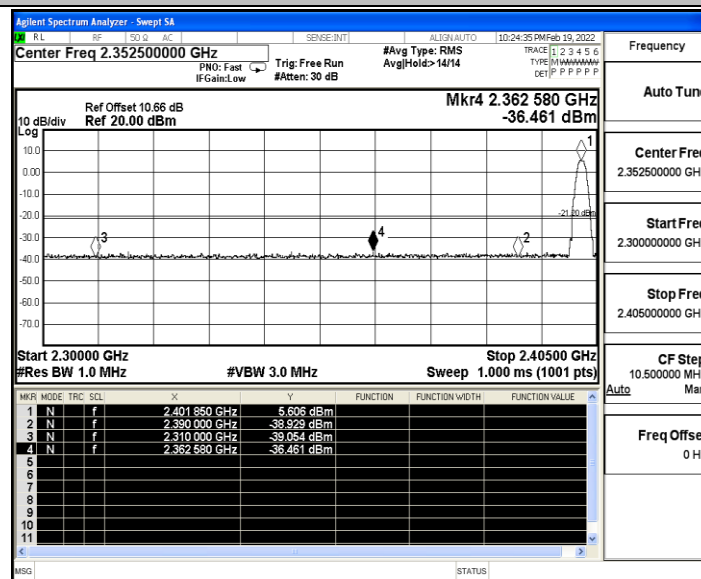


Test Graphs

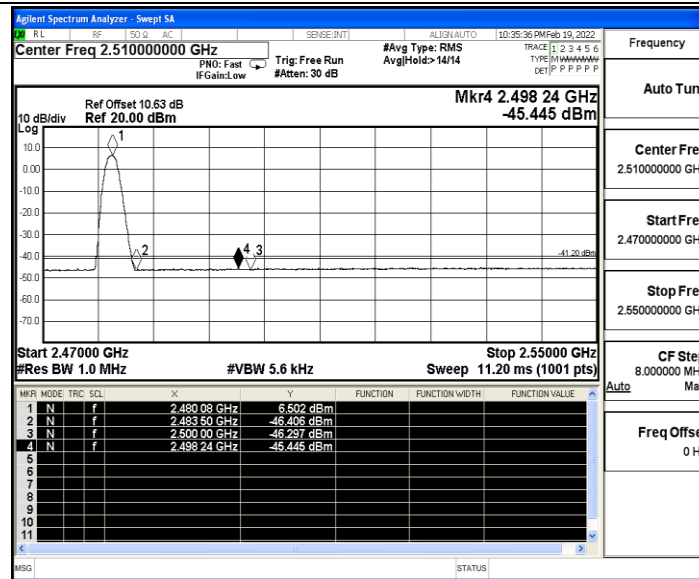
DH5_Ant_Low_2402_AV



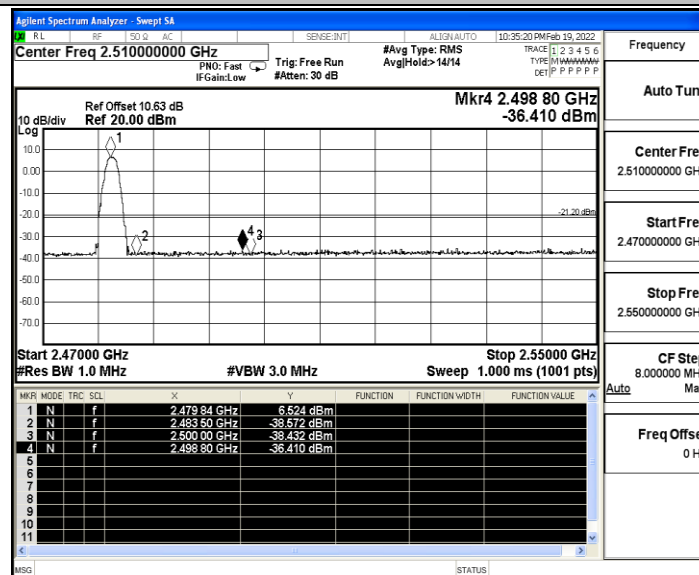
DH5_Ant_Low_2402_Peak



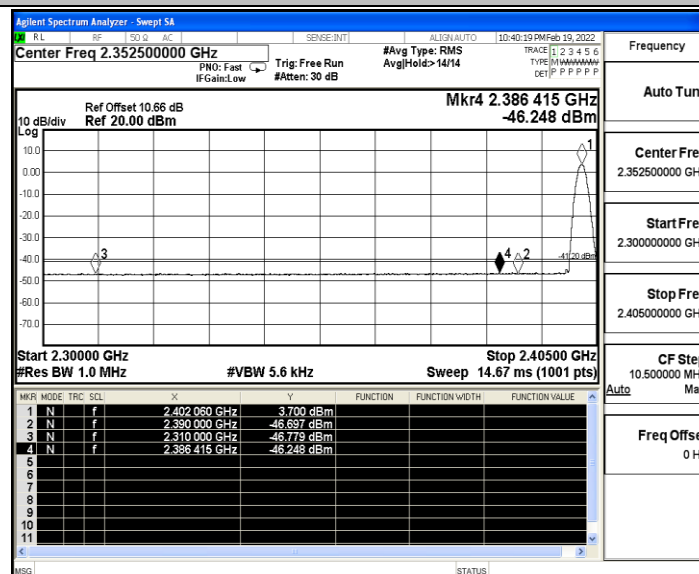
DH5_Ant_High_2480_AV



DH5_Ant_High_2480_Peak

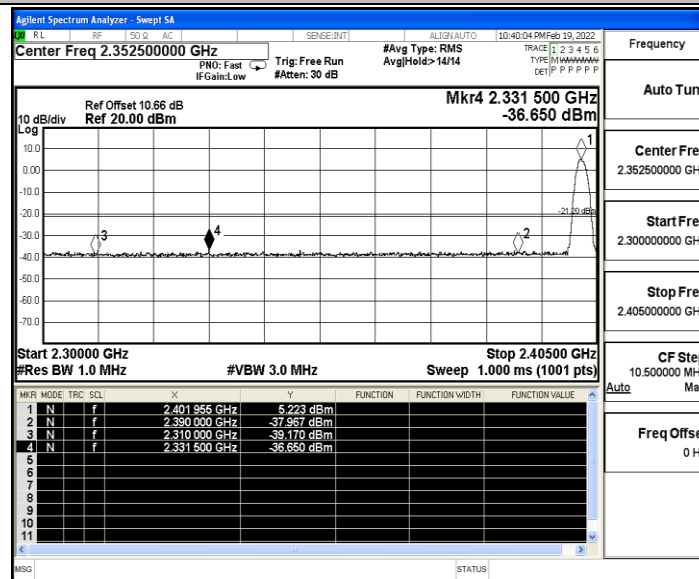


2DH5_Ant_Low_2402_AV

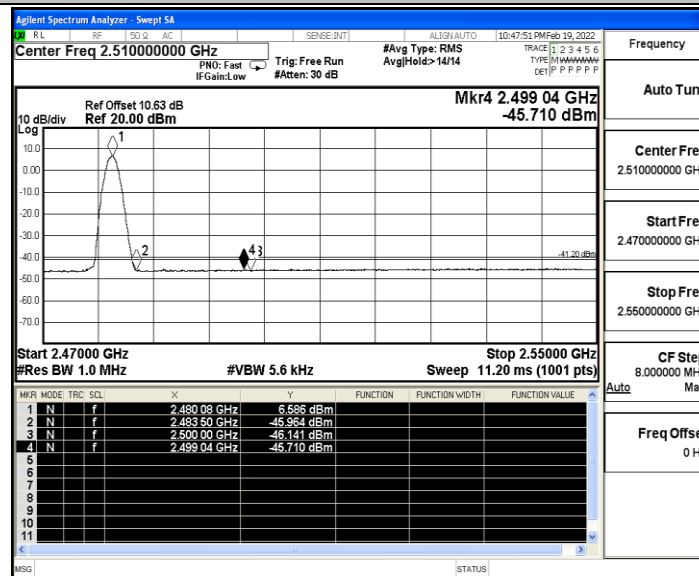




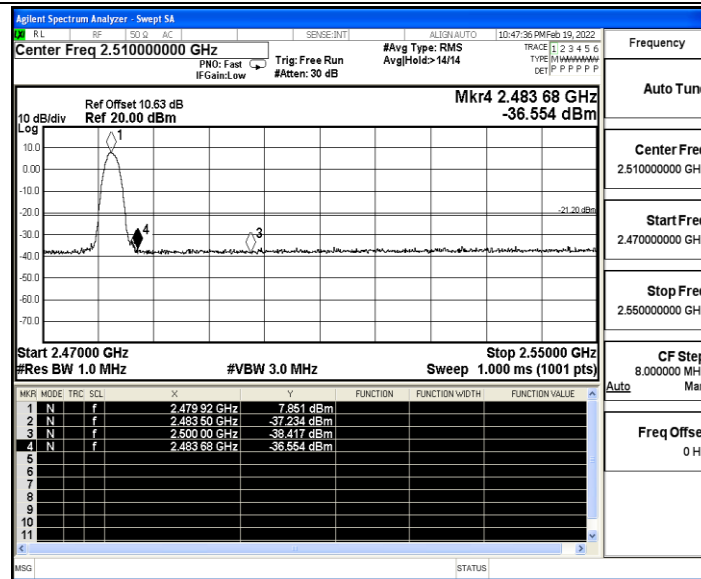
2DH5_Ant_Low_2402_Peak



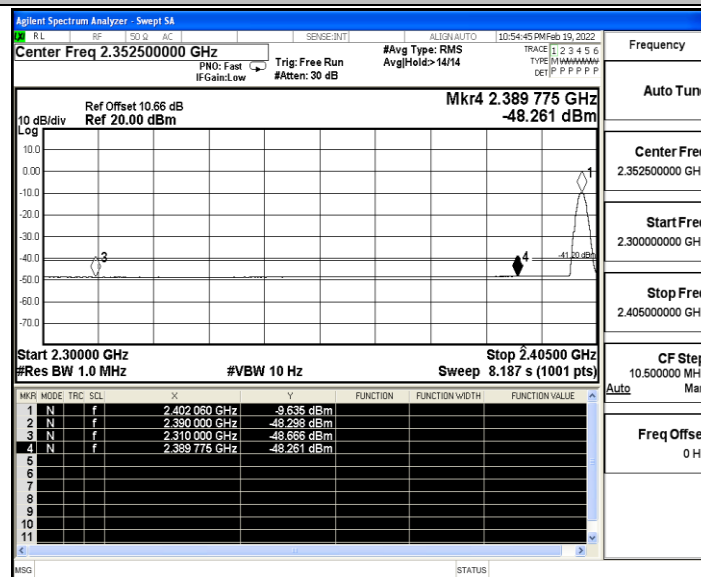
2DH5_Ant_High_2480_AV



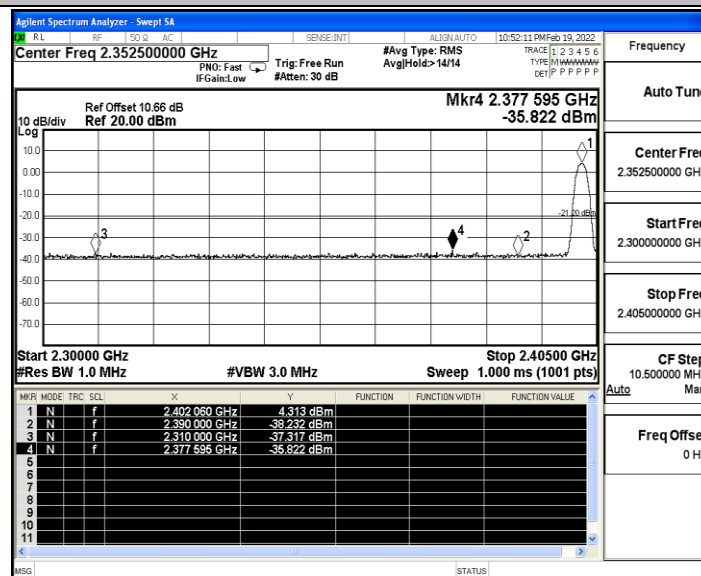
2DH5_Ant_High_2480_Peak



3DH5_Ant_Low_2402_AV

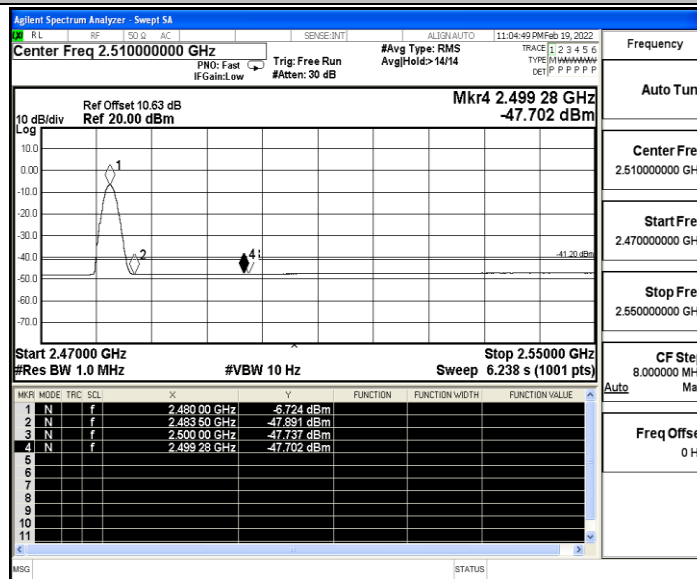


3DH5_Ant_Low_2402_Peak





3DH5_Ant_High_2480_AV



3DH5_Ant_High_2480_Peak

