



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Mini PC

Test Model: CK10

Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

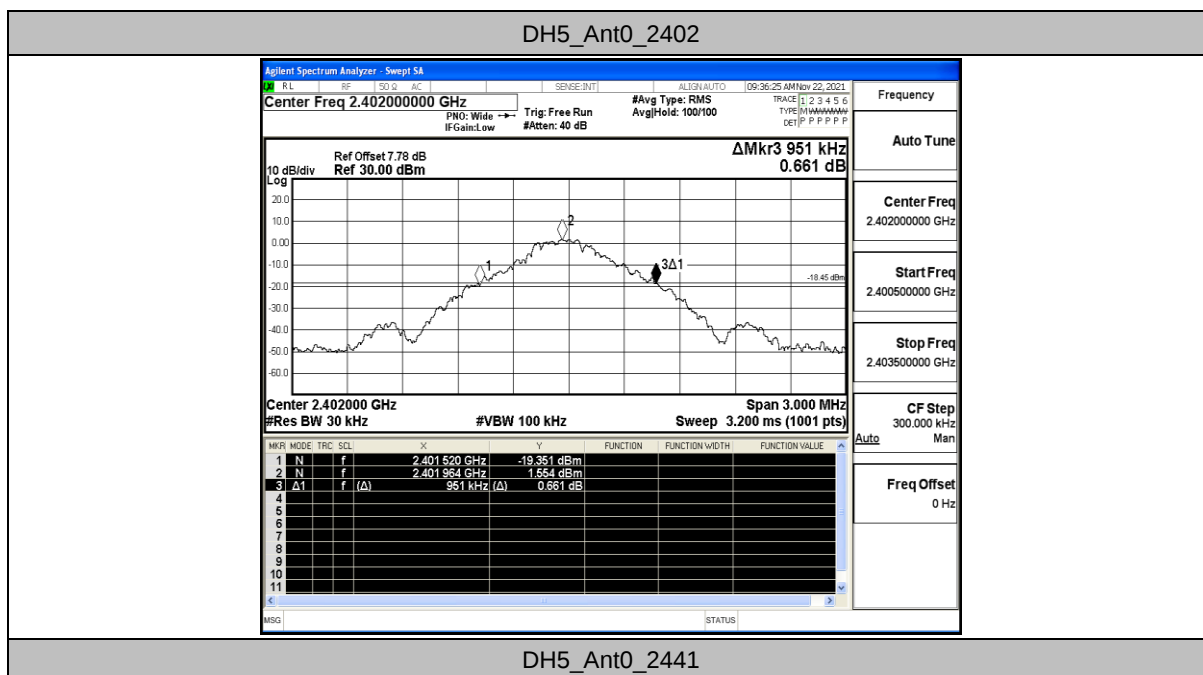


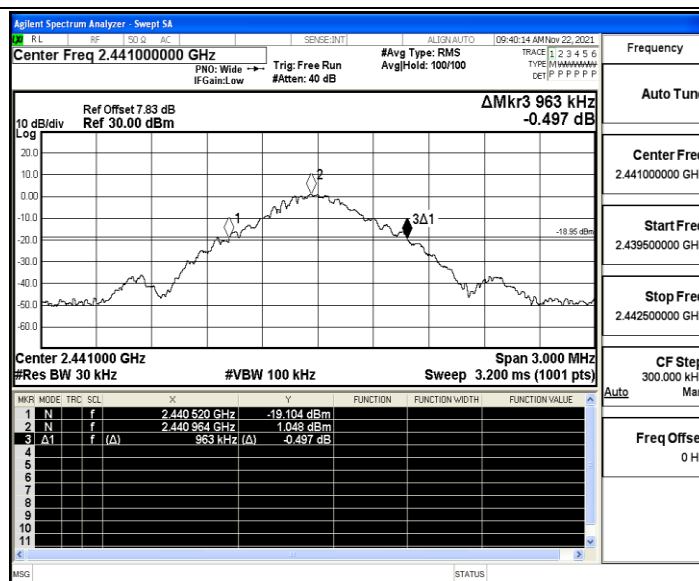
A.1 20dB Emission Bandwidth

Test Result

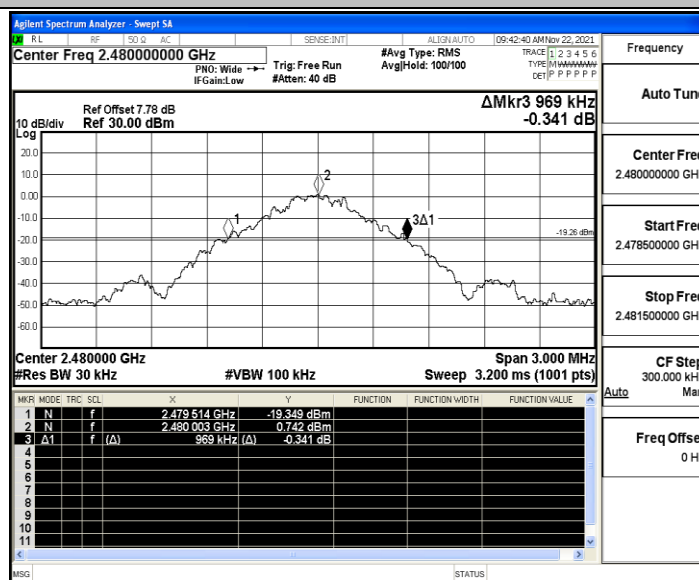
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant0	2402	0.951	2401.520	2402.471	---	PASS
		2441	0.963	2440.520	2441.483	---	PASS
		2480	0.969	2479.514	2480.483	---	PASS
2DH5	Ant0	2402	1.545	2401.214	2402.759	---	PASS
		2441	1.536	2440.220	2441.756	---	PASS
		2480	1.605	2479.211	2480.816	---	PASS
3DH5	Ant0	2402	1.500	2401.253	2402.753	---	PASS
		2441	1.512	2440.244	2441.756	---	PASS
		2480	1.500	2479.250	2480.750	---	PASS

Test Graphs

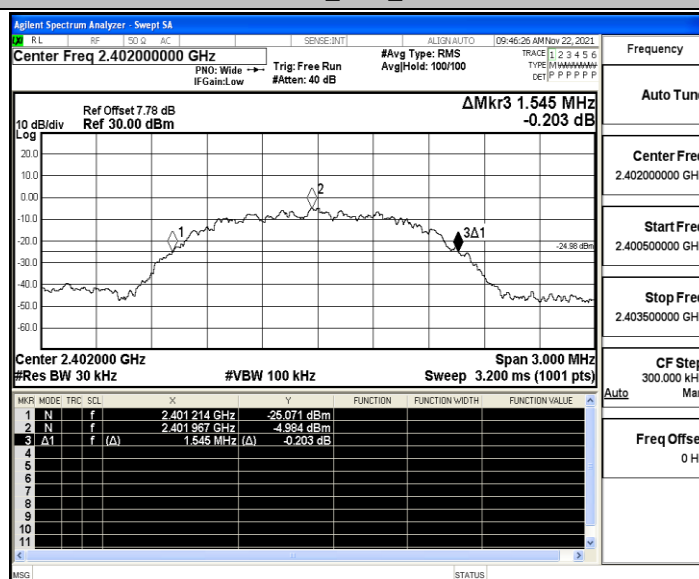




DH5_Ant0_2480

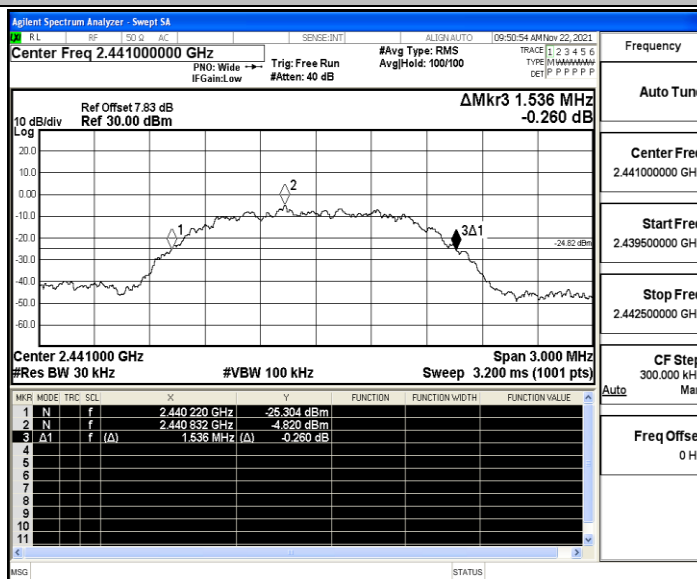


2DH5_Ant0_2402

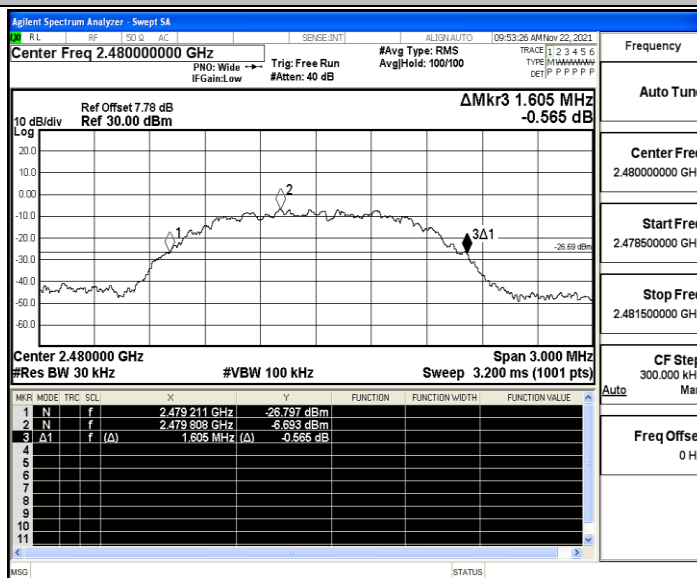




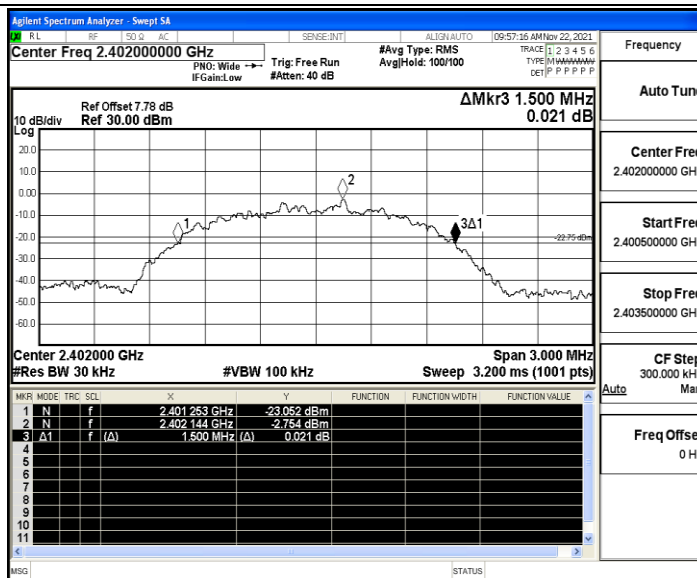
2DH5_Ant0_2441



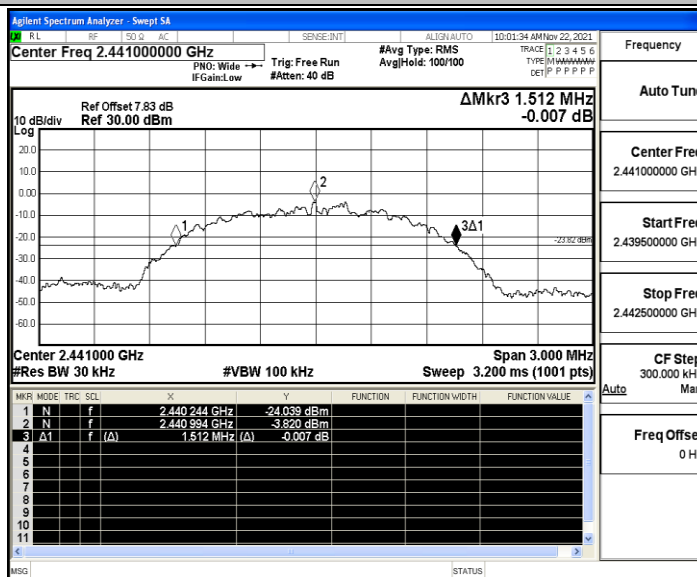
2DH5_Ant0_2480



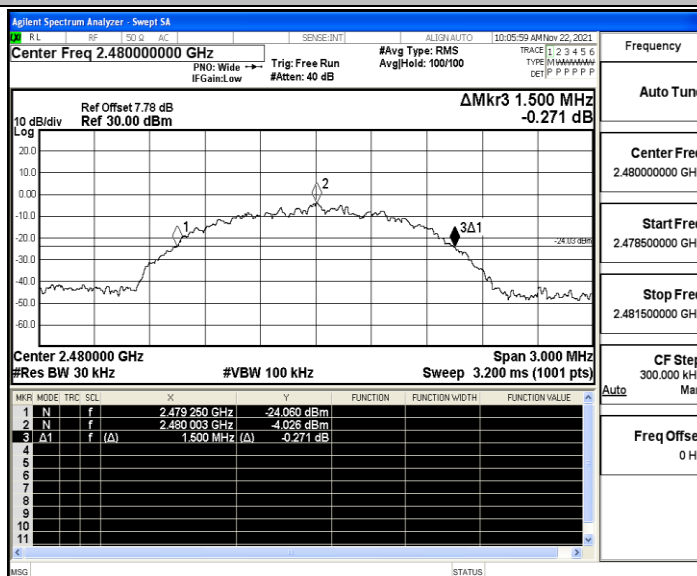
3DH5_Ant0_2402



3DH5_Ant0_2441



3DH5_Ant0_2480





A.2 Maximum conducted output power

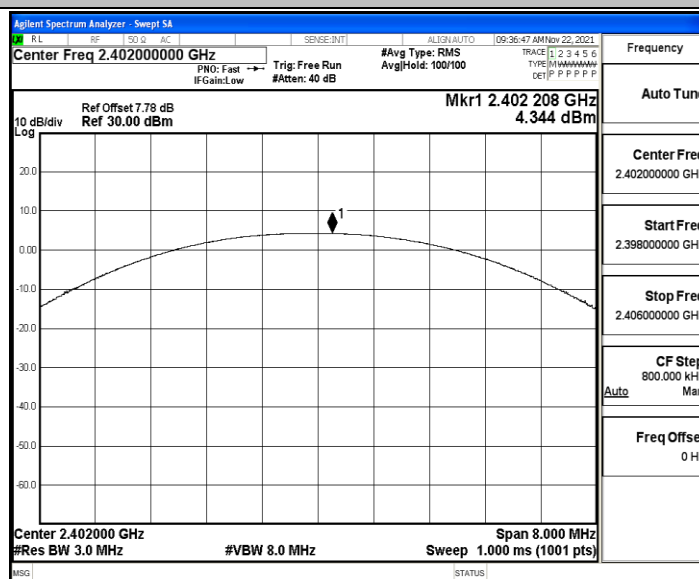
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant0	2402	4.34	≤20.97	PASS
		2441	3.82	≤20.97	PASS
		2480	3.57	≤20.97	PASS
2DH5	Ant0	2402	2.65	≤20.97	PASS
		2441	2.15	≤20.97	PASS
		2480	1.9	≤20.97	PASS
3DH5	Ant0	2402	2.89	≤20.97	PASS
		2441	2.36	≤20.97	PASS
		2480	2.16	≤20.97	PASS

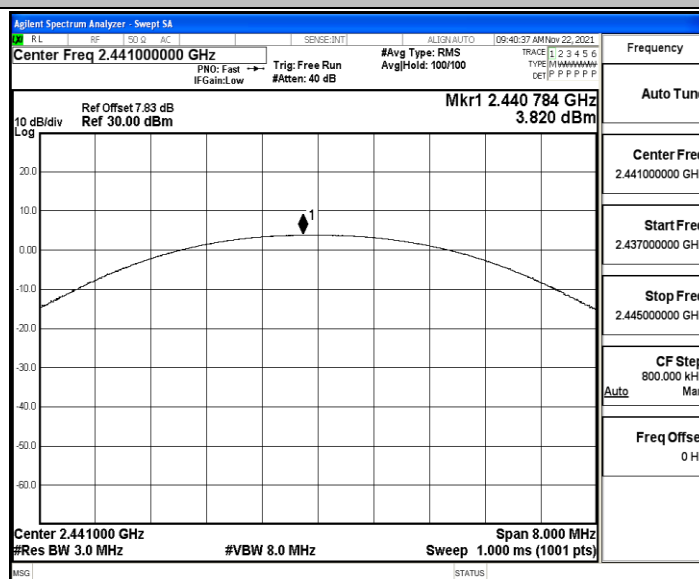


Test Graphs

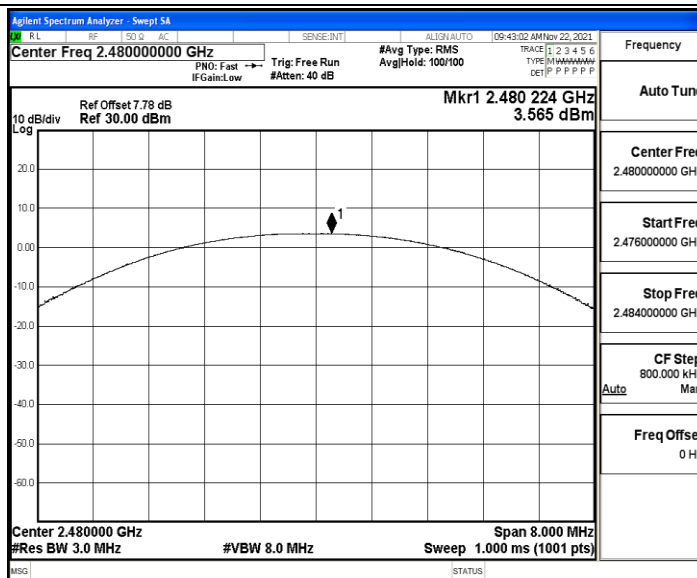
DH5_Ant0_2402



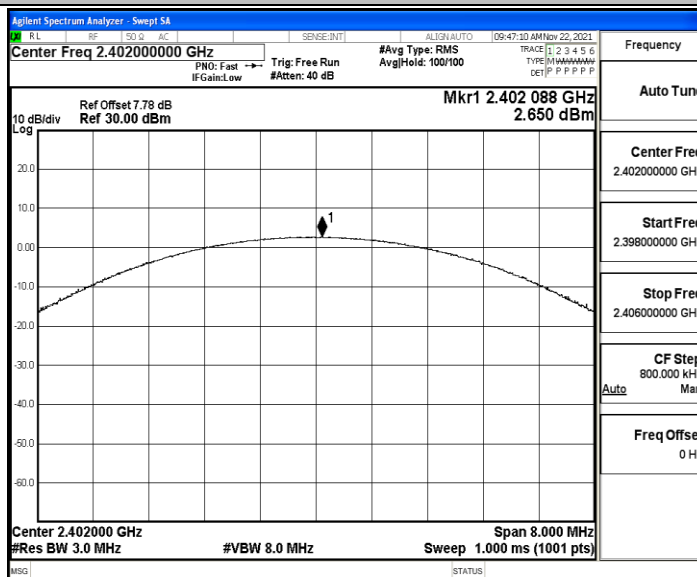
DH5_Ant0_2441



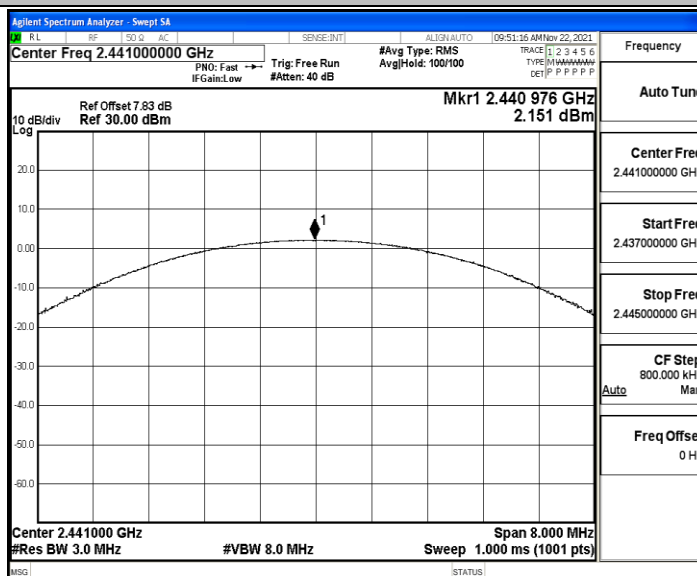
DH5_Ant0_2480



2DH5_Ant0_2402

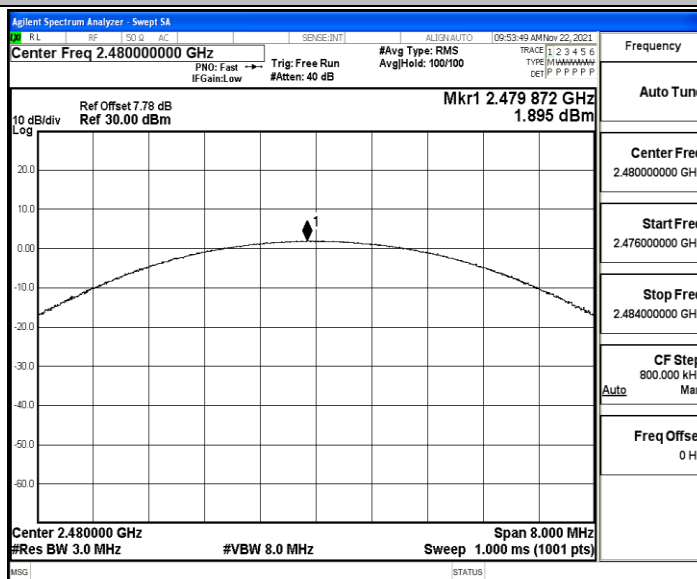


2DH5_Ant0_2441

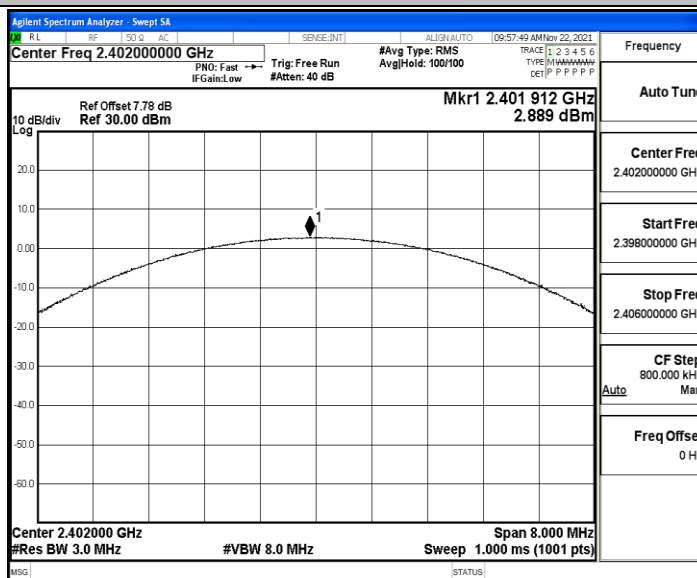




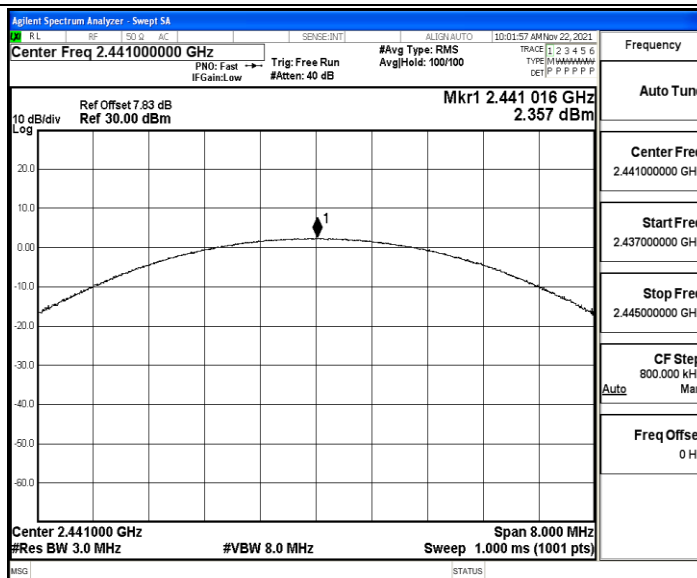
2DH5_Ant0_2480



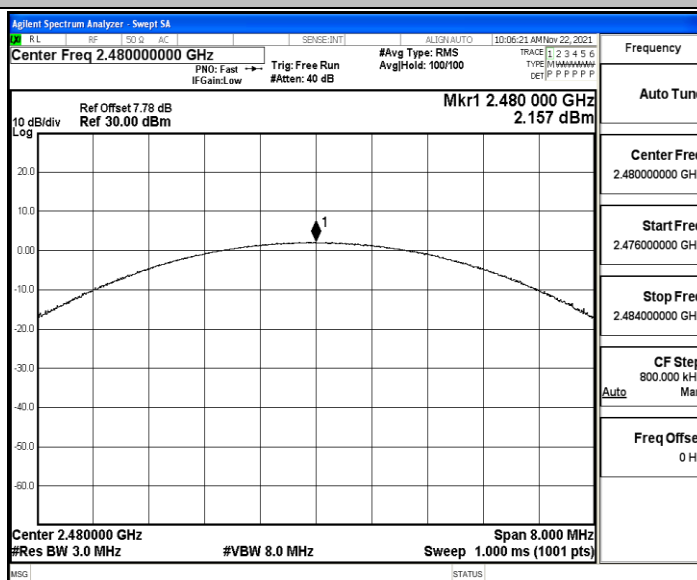
3DH5_Ant0_2402



3DH5_Ant0_2441



3DH5_Ant0_2480



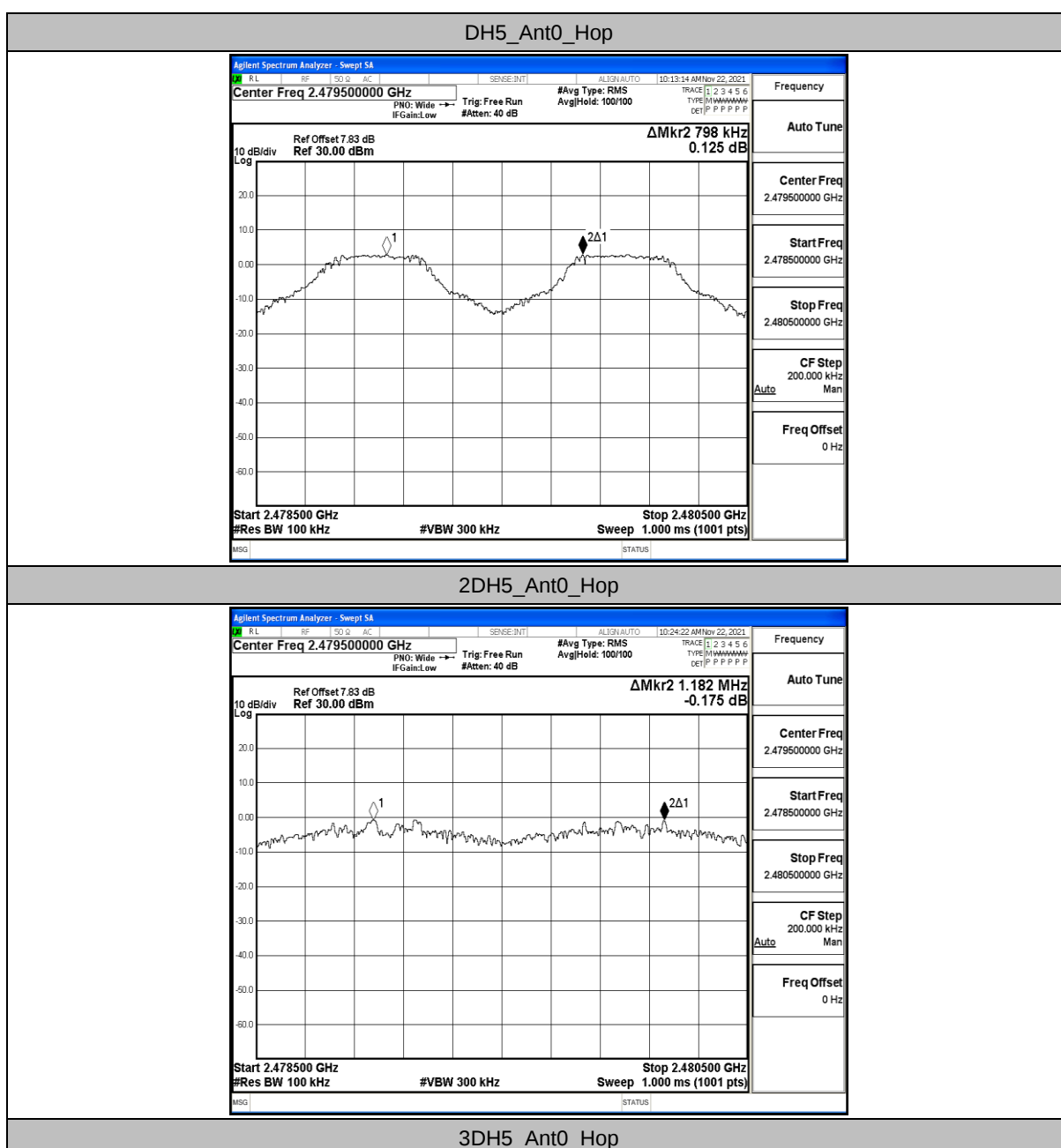


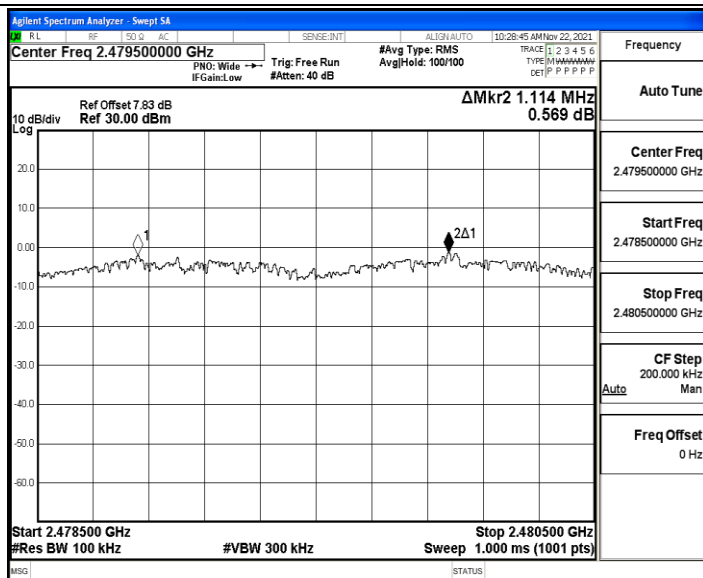
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant0	Hop	0.798	≥ 0.646	PASS
2DH5	Ant0	Hop	1.182	≥ 1.070	PASS
3DH5	Ant0	Hop	1.114	≥ 1.008	PASS

Test Graphs





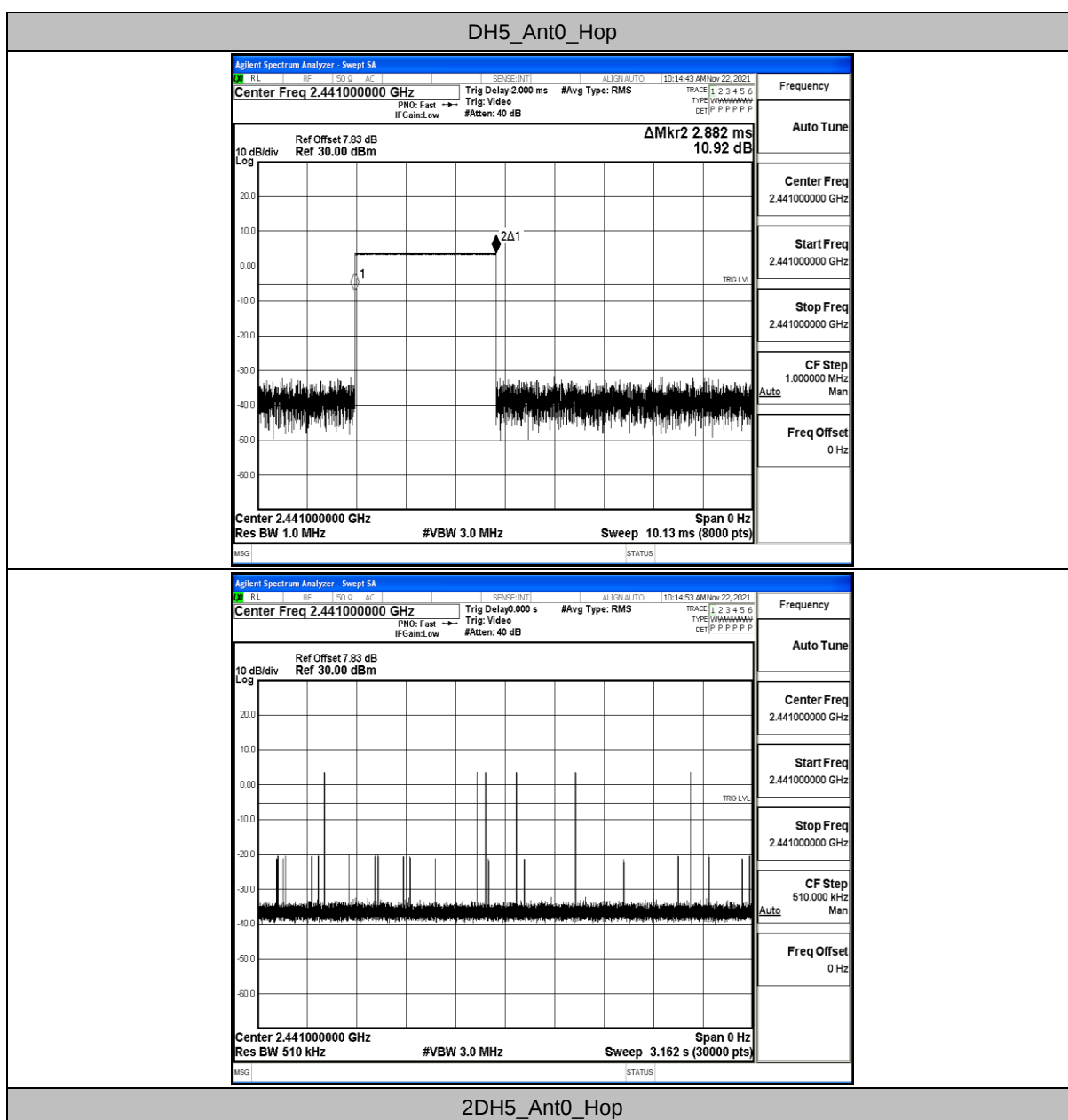


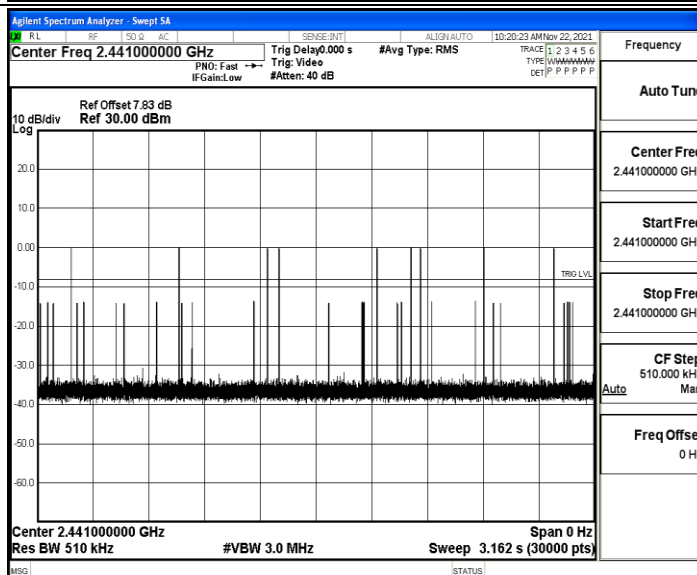
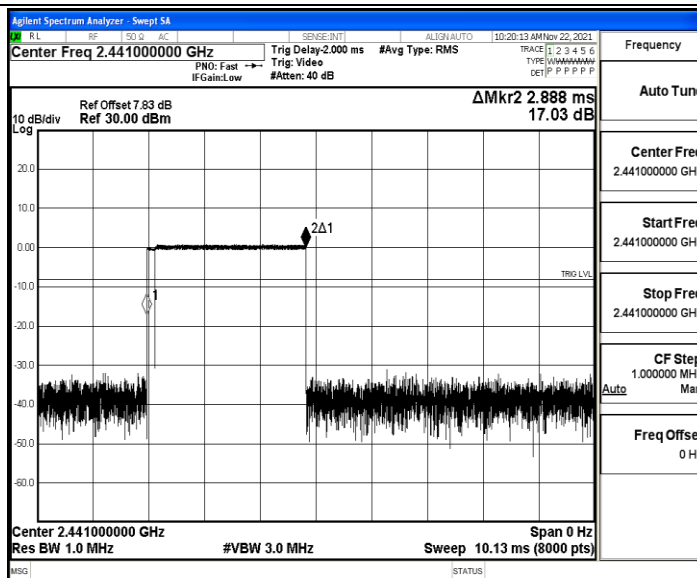
A.4 Time of occupancy

Test Result

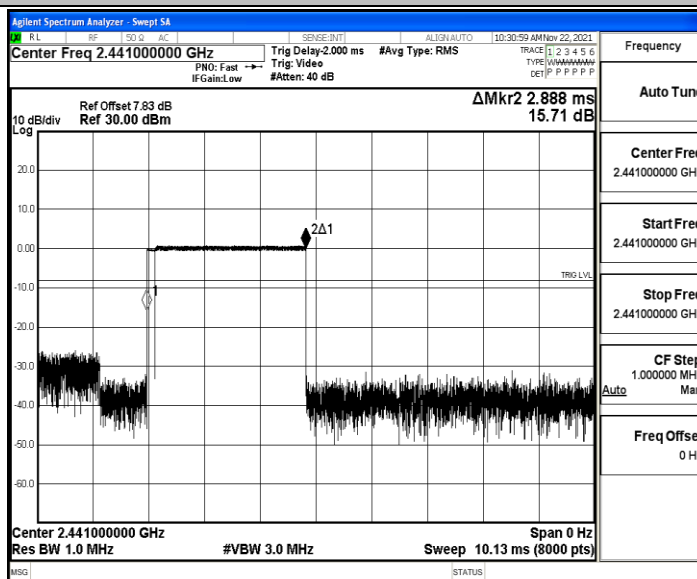
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant0	Hop	2.88	70	0.202	≤0.4	PASS
2DH5	Ant0	Hop	2.89	100	0.289	≤0.4	PASS
3DH5	Ant0	Hop	2.89	90	0.26	≤0.4	PASS

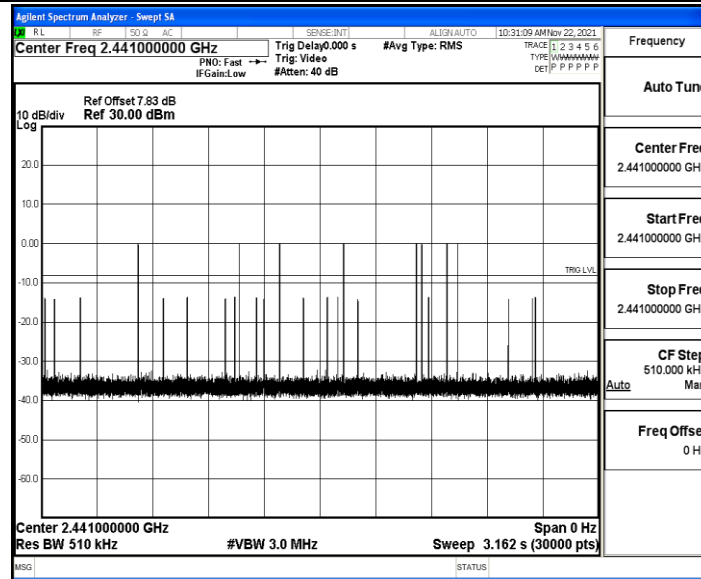
Test Graphs





3DH5_Ant0_Hop





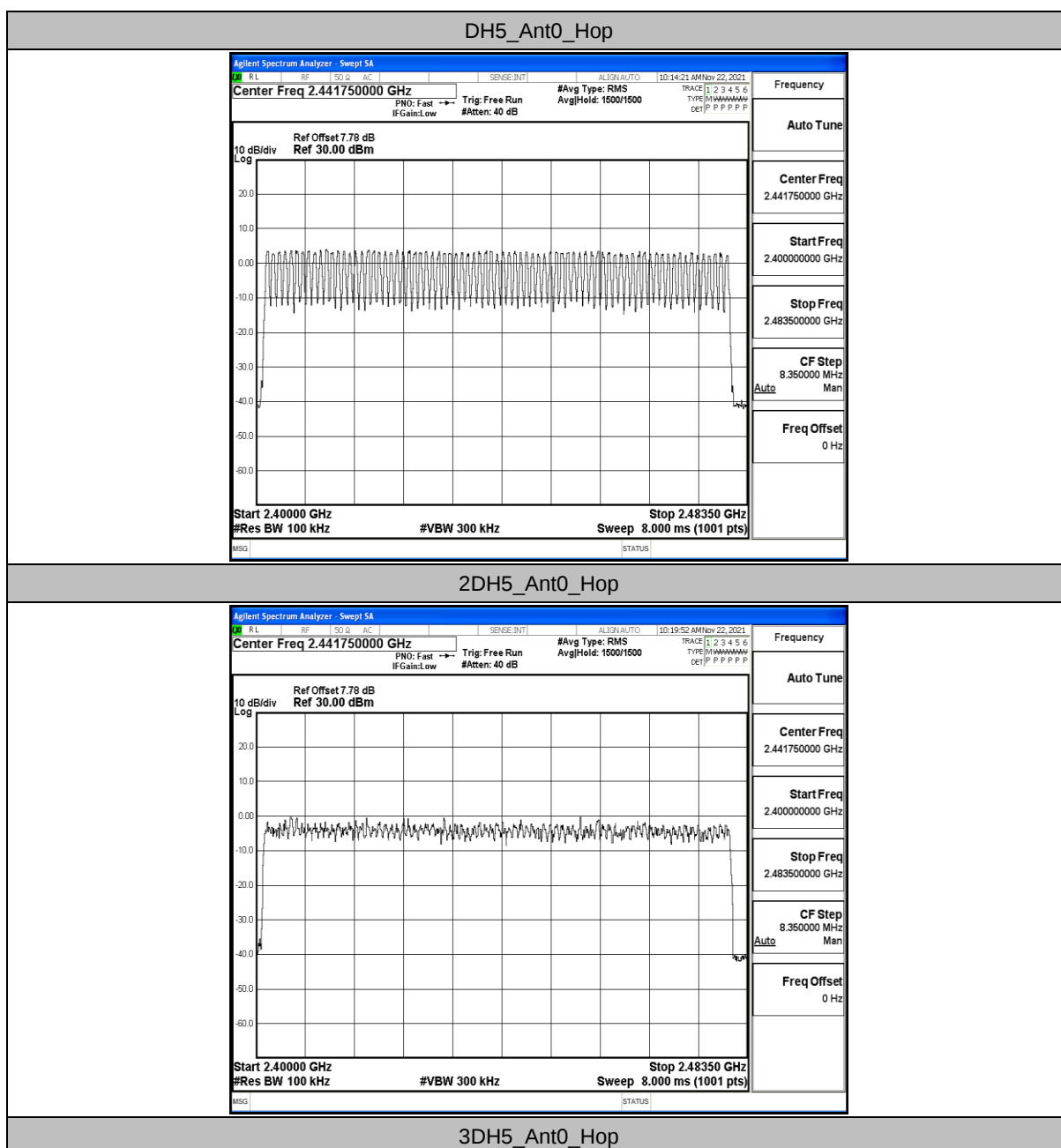


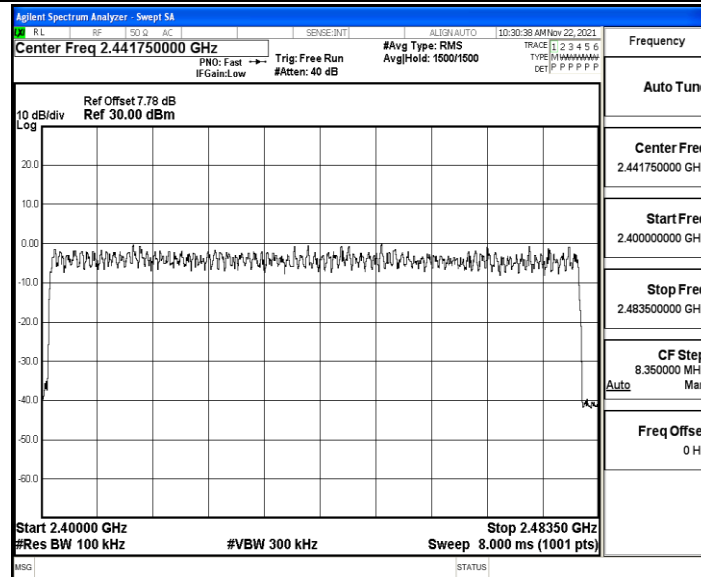
A.5 Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant0	Hop	79	≥15	PASS
2DH5	Ant0	Hop	79	≥15	PASS
3DH5	Ant0	Hop	79	≥15	PASS

Test Graphs







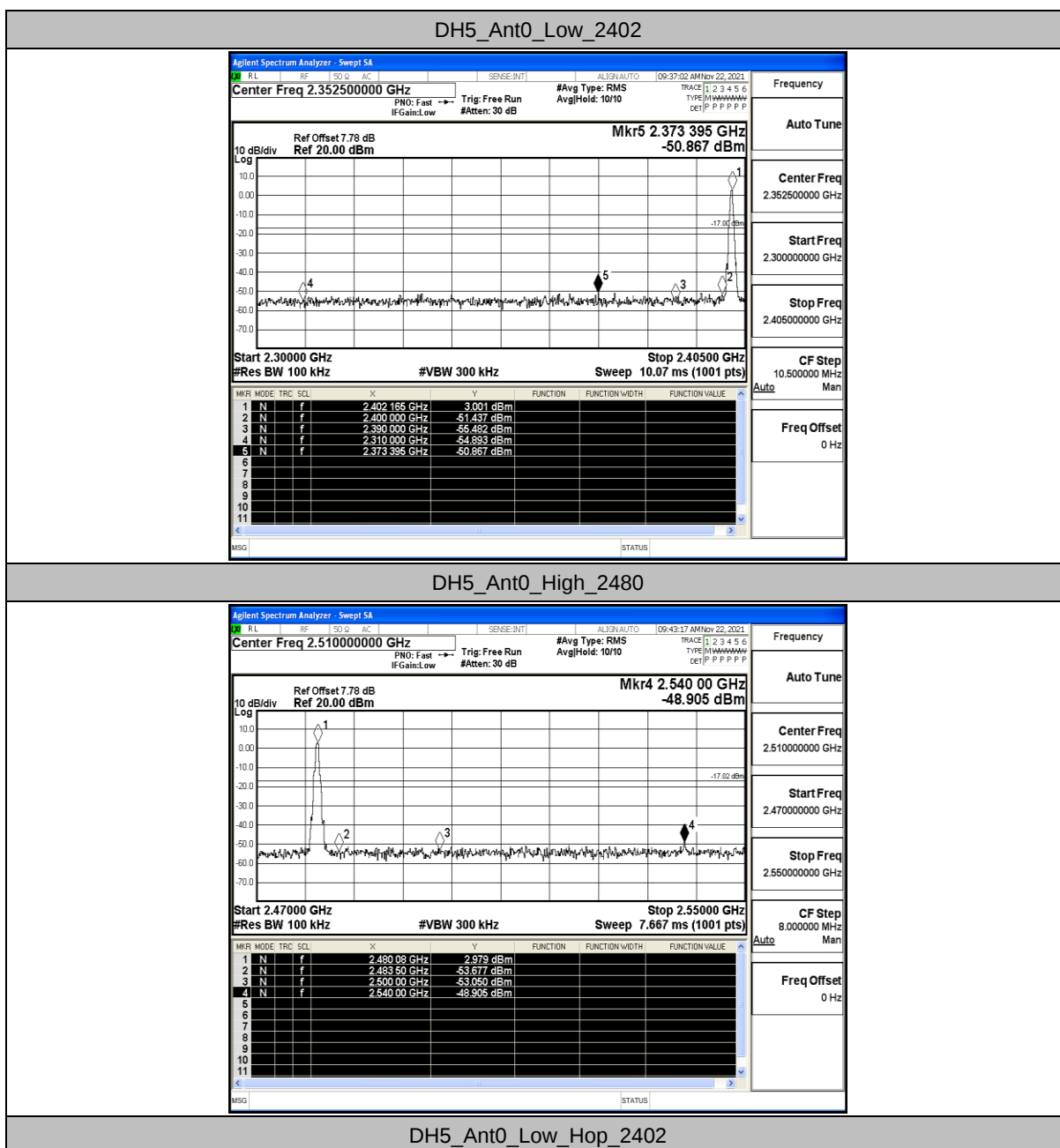
A.6 Band edge measurements

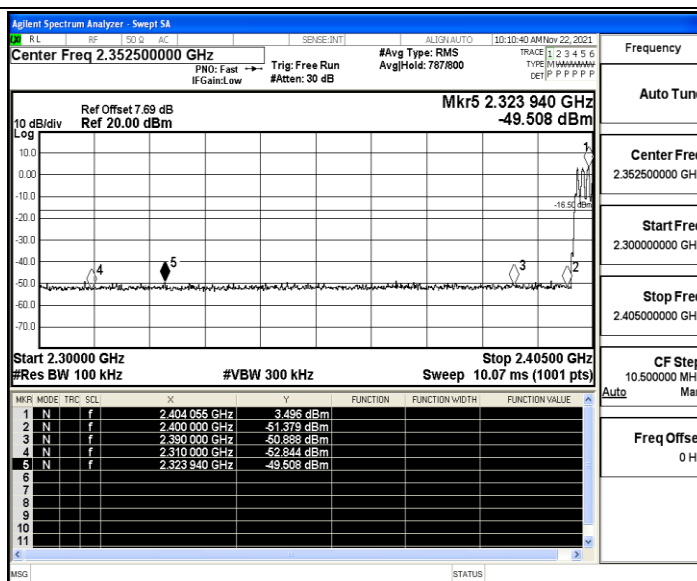
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant0	Low	2402	3.00	-50.87	≤ -17	PASS
		High	2480	2.98	-48.91	≤ -17.02	PASS
		Low	Hop_2402	3.50	-49.51	≤ -16.5	PASS
		High	Hop_2480	3.29	-46.1	≤ -16.71	PASS
2DH5	Ant0	Low	2402	-2.38	-47.84	≤ -22.38	PASS
		High	2480	-2.85	-50.22	≤ -22.85	PASS
		Low	Hop_2402	-2.18	-49.2	≤ -22.18	PASS
		High	Hop_2480	-1.04	-47.28	≤ -21.04	PASS
3DH5	Ant0	Low	2402	-2.74	-50.27	≤ -22.74	PASS
		High	2480	-3.84	-49.82	≤ -23.84	PASS
		Low	Hop_2402	-3.22	-49.94	≤ -23.22	PASS
		High	Hop_2480	-1.72	-47.83	≤ -21.72	PASS

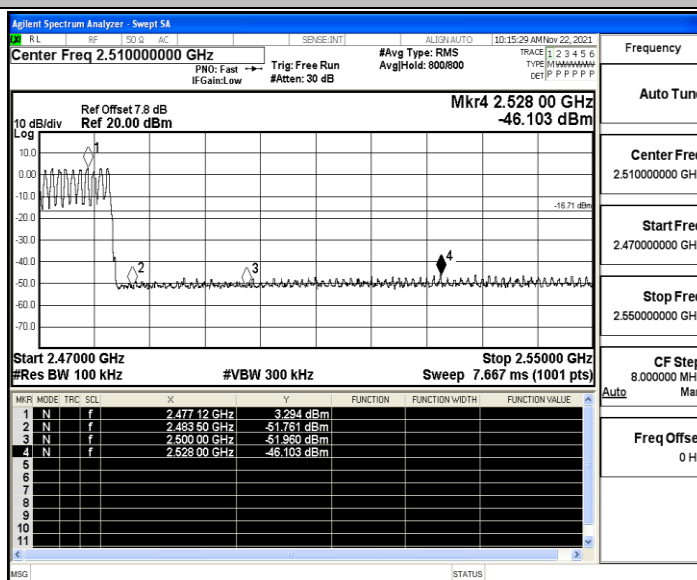


Test Graphs

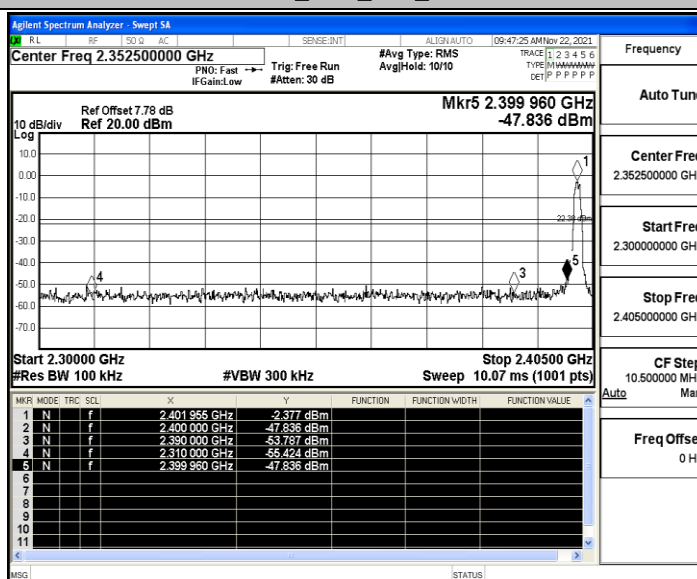




DH5_Ant0_High_Hop_2480

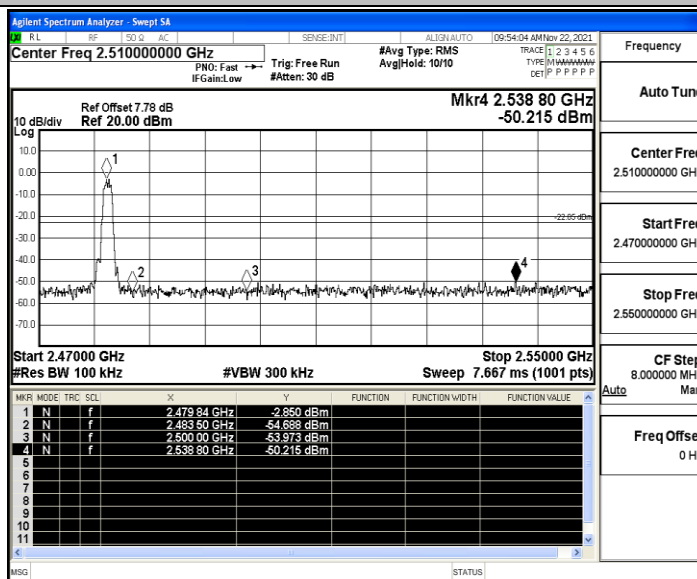


2DH5_Ant0_Low_2402

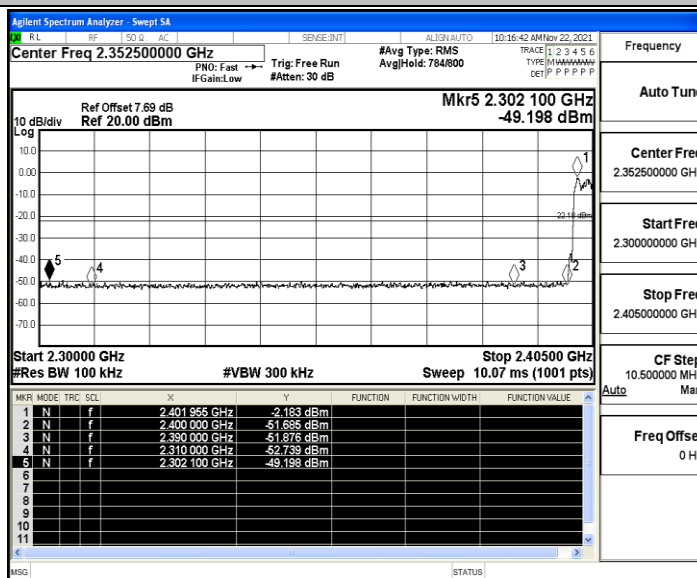




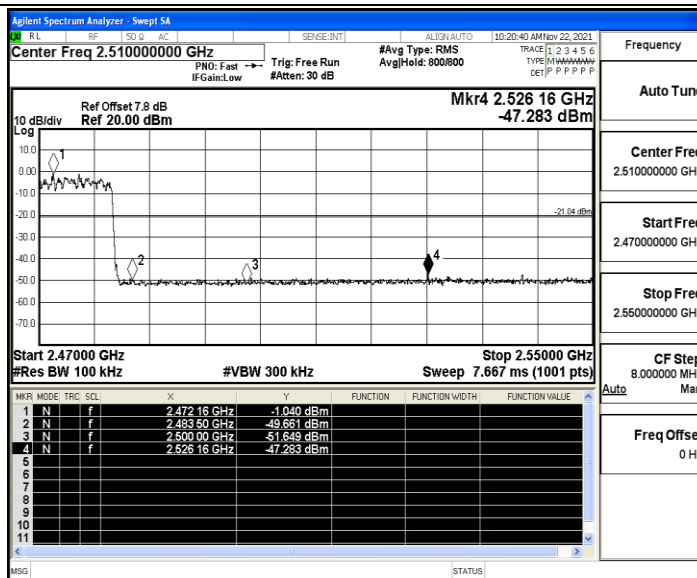
2DH5_Ant0_High_2480



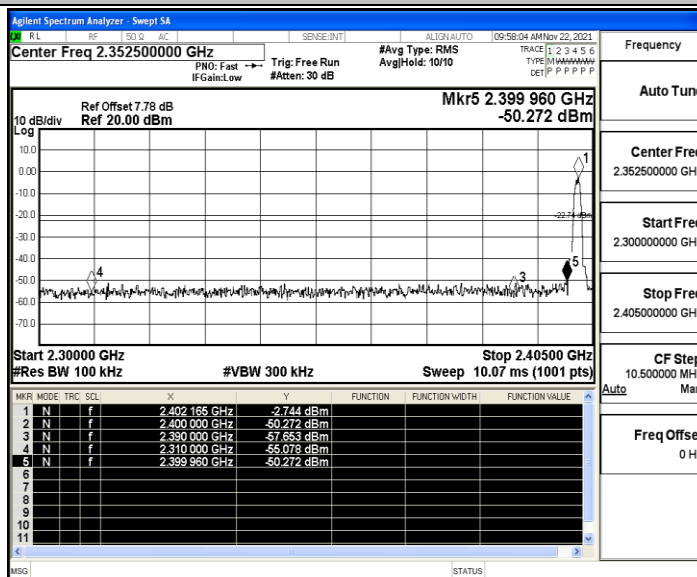
2DH5_Ant0_Low_Hop_2402



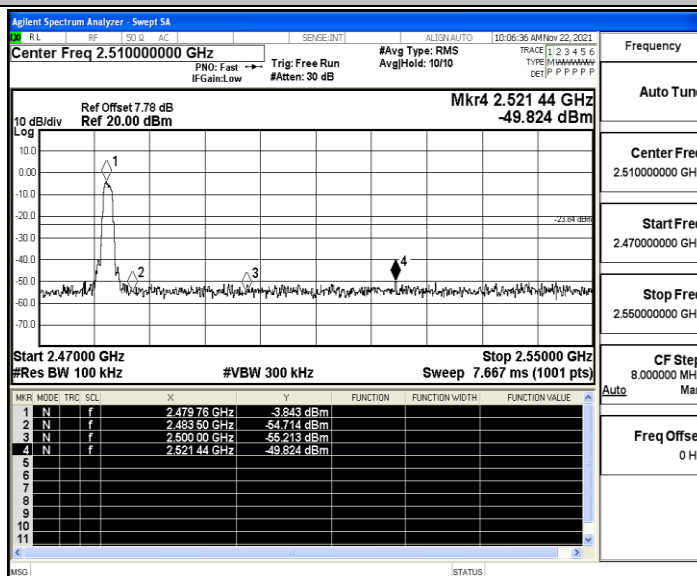
2DH5_Ant0_High_Hop_2480



3DH5_Ant0_Low_2402

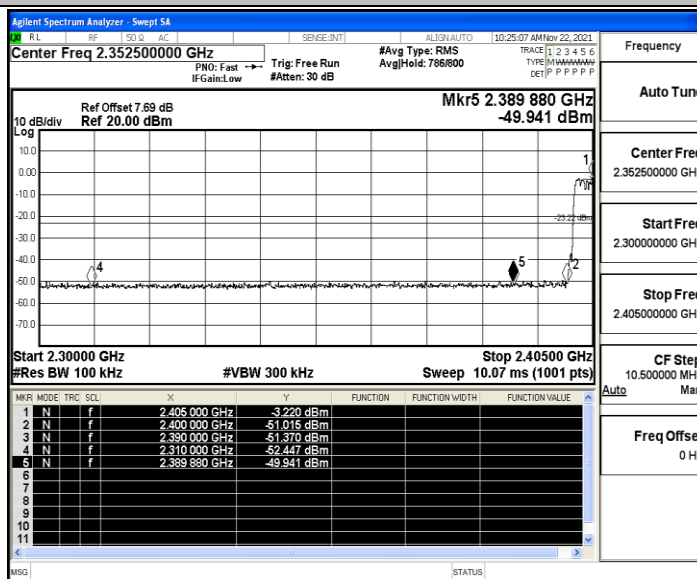


3DH5_Ant0_High_2480

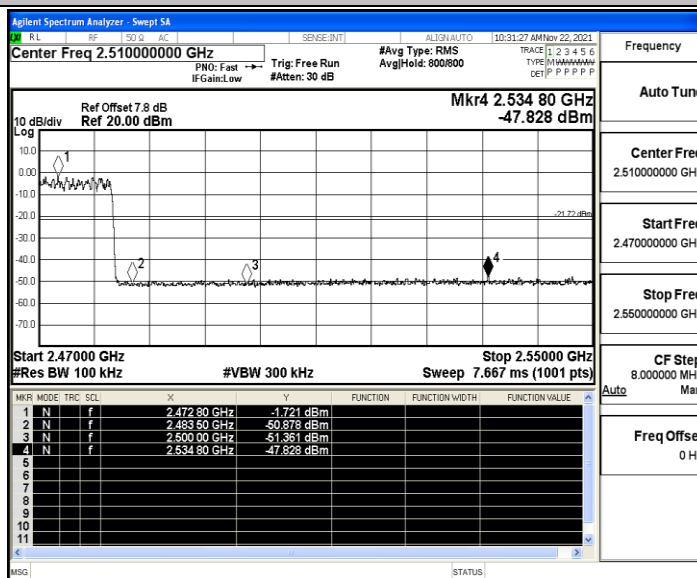




3DH5_Ant0_Low_Hop_2402



3DH5_Ant0_High_Hop_2480





A.7 Conducted Spurious Emission

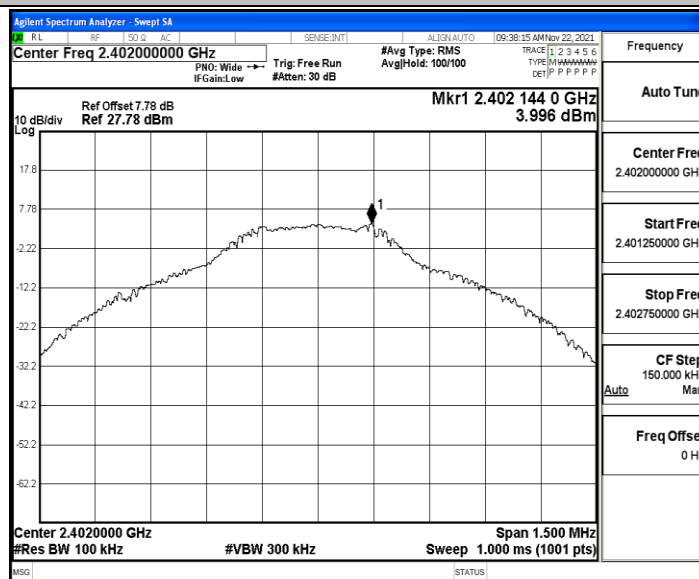
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant0	2402	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-60.88	≤ -16	PASS
			1000~26500	4.00	-46.73	≤ -16	PASS
		2441	Reference	3.50	3.50	---	PASS
			30~1000	3.50	-61.09	≤ -16.51	PASS
			1000~26500	3.50	-46.52	≤ -16.51	PASS
		2480	Reference	2.66	2.66	---	PASS
			30~1000	2.66	-60.92	≤ -17.34	PASS
			1000~26500	2.66	-46.56	≤ -17.34	PASS
2DH5	Ant0	2402	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-61.13	≤ -21.54	PASS
			1000~26500	-1.54	-47.55	≤ -21.54	PASS
		2441	Reference	-2.23	-2.23	---	PASS
			30~1000	-2.23	-61.29	≤ -22.23	PASS
			1000~26500	-2.23	-47.36	≤ -22.23	PASS
		2480	Reference	-1.49	-1.49	---	PASS
			30~1000	-1.49	-61.37	≤ -21.49	PASS
			1000~26500	-1.49	-46.43	≤ -21.49	PASS
3DH5	Ant0	2402	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-61.33	≤ -20.66	PASS
			1000~26500	-0.66	-47.1	≤ -20.66	PASS
		2441	Reference	-0.36	-0.36	---	PASS
			30~1000	-0.36	-61.23	≤ -20.36	PASS
			1000~26500	-0.36	-46.68	≤ -20.36	PASS
		2480	Reference	-0.60	-0.60	---	PASS
			30~1000	-0.60	-61.31	≤ -20.6	PASS
			1000~26500	-0.60	-46.85	≤ -20.6	PASS

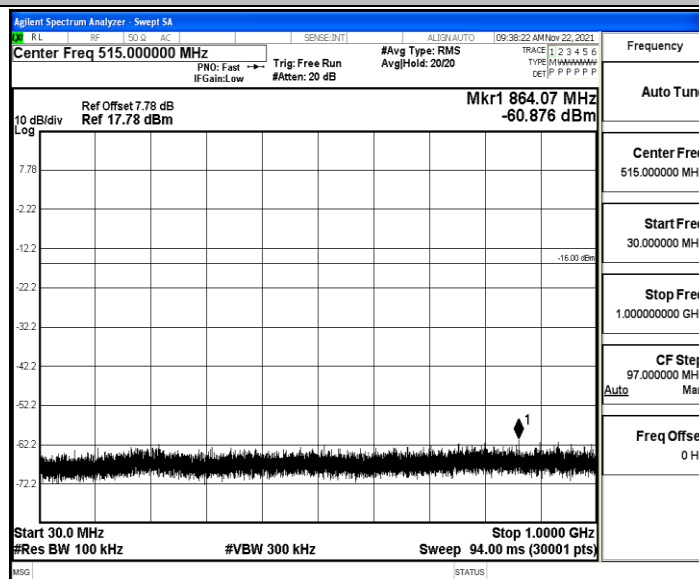


Test Graphs

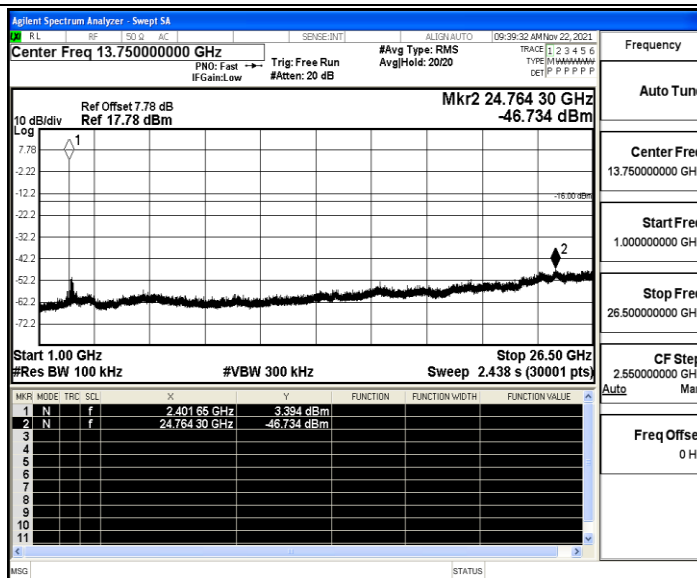
DH5_Ant0_2402_0~Reference



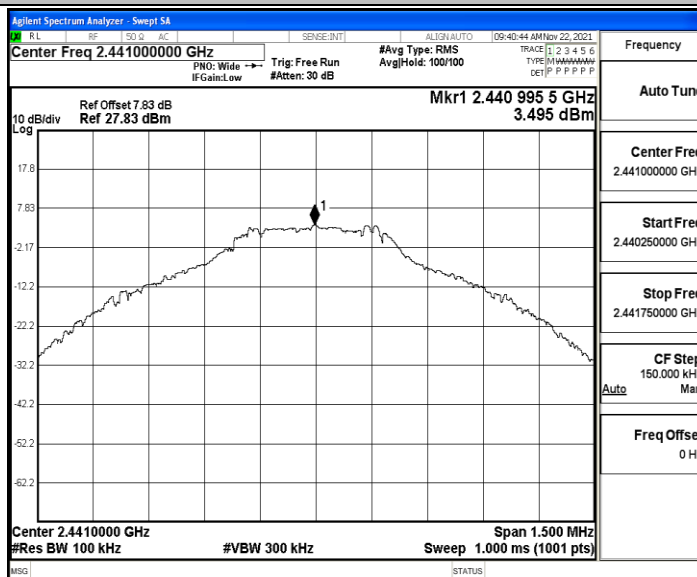
DH5_Ant0_2402_30~1000



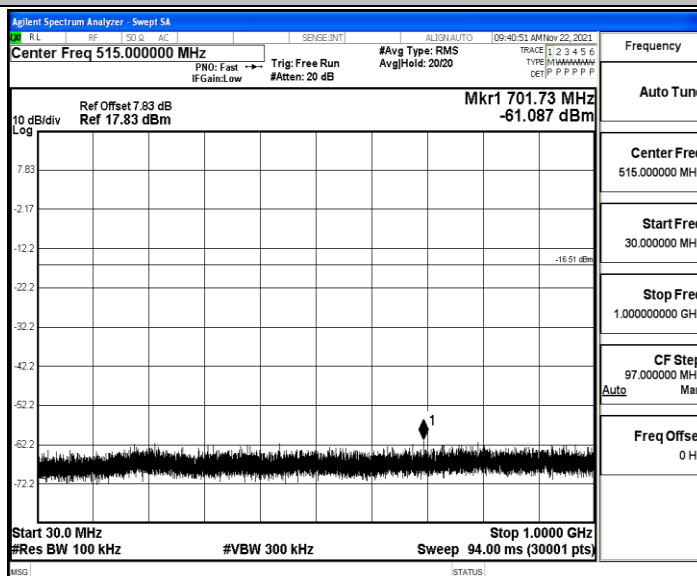
DH5_Ant0_2402_1000~26500



DH5_Ant0_2441_0~Reference

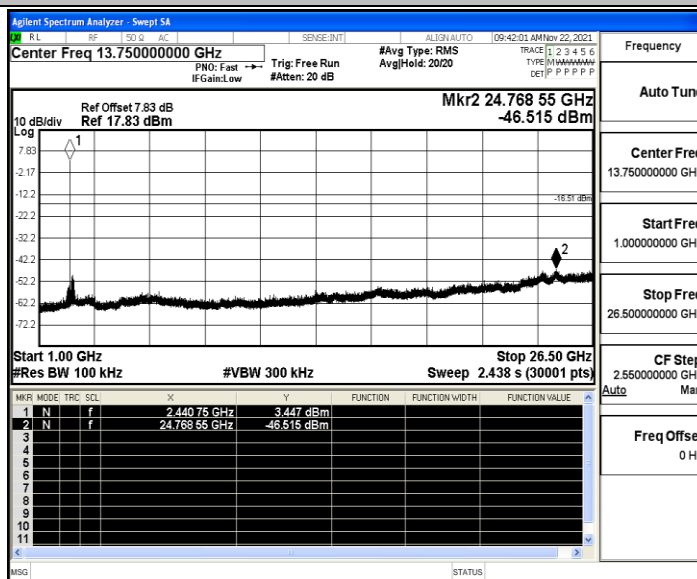


DH5_Ant0_2441_30~1000

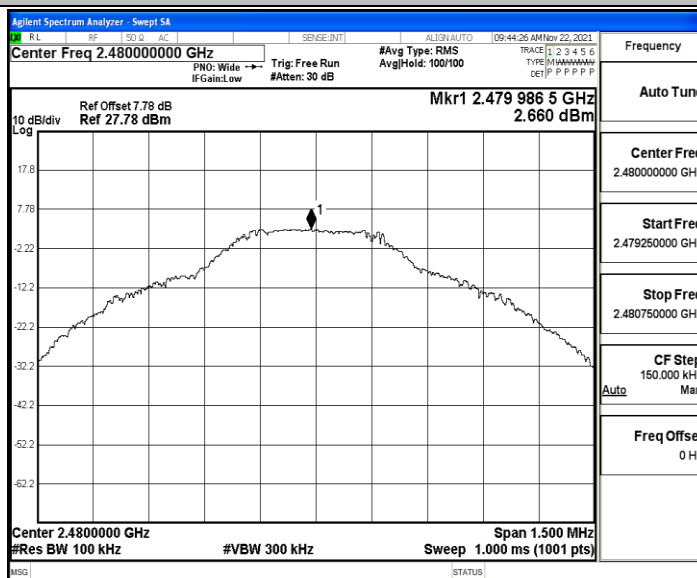




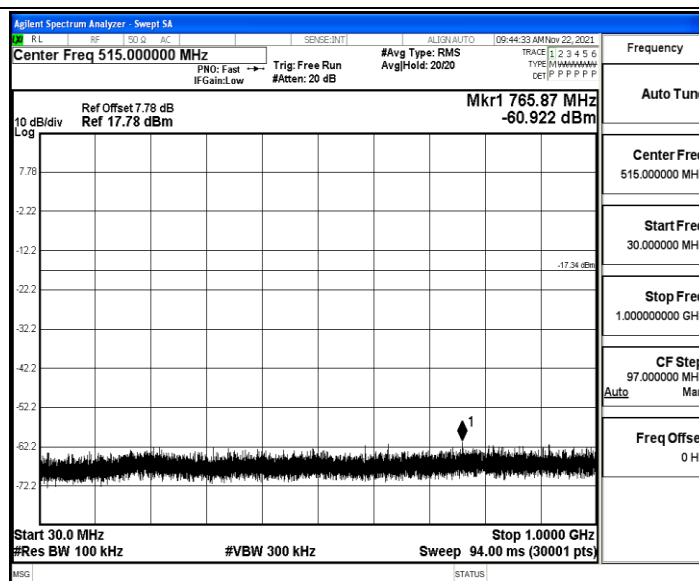
DH5_Ant0_2441_1000~26500



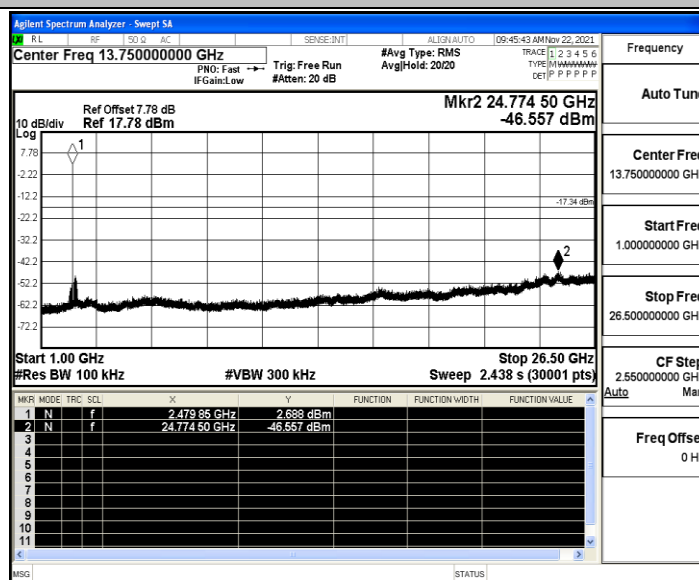
DH5_Ant0_2480_0~Reference



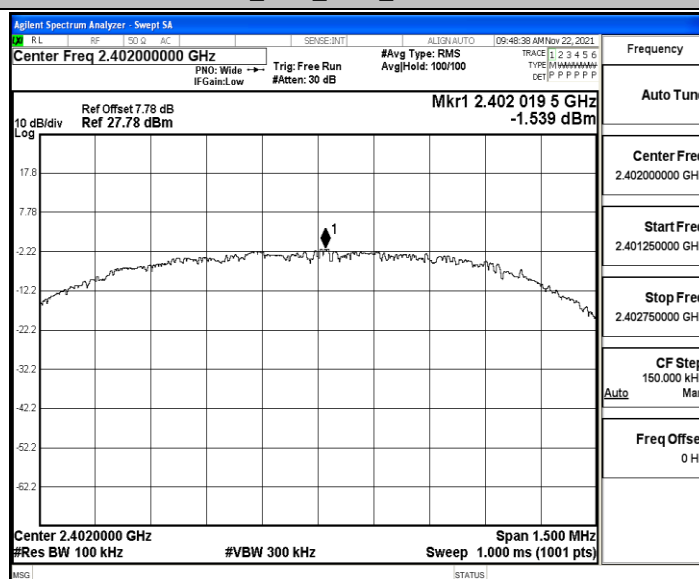
DH5_Ant0_2480_30~1000



DH5_Ant0_2480_1000~26500

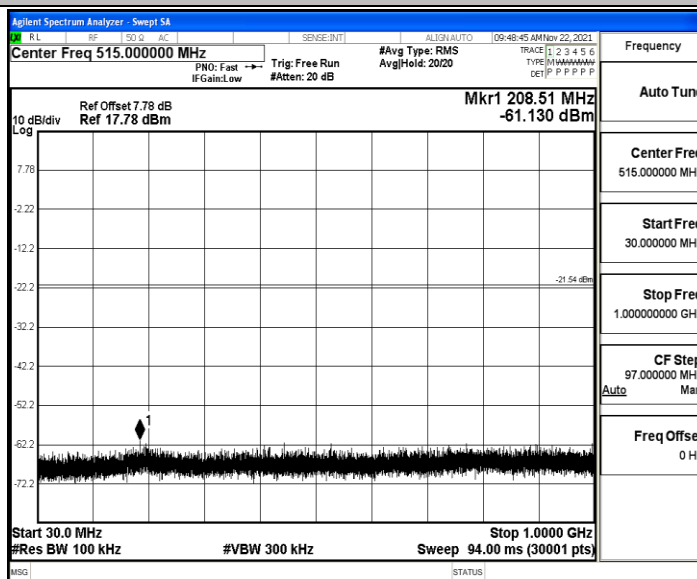


2DH5_Ant0_2402_0~Reference

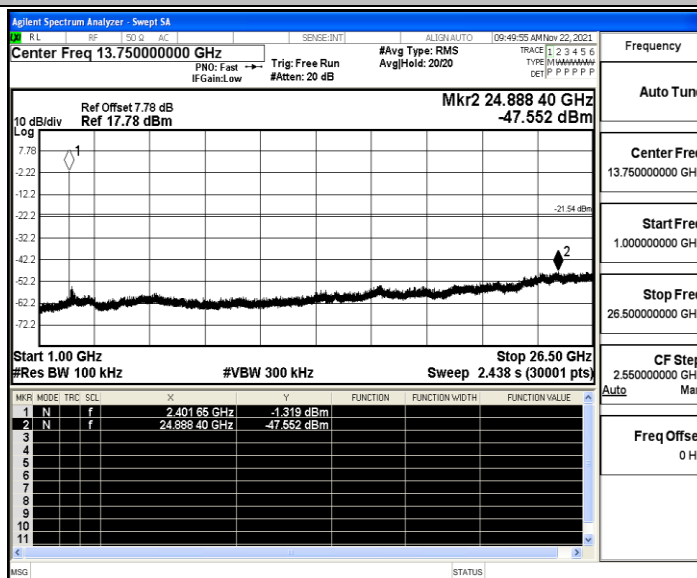




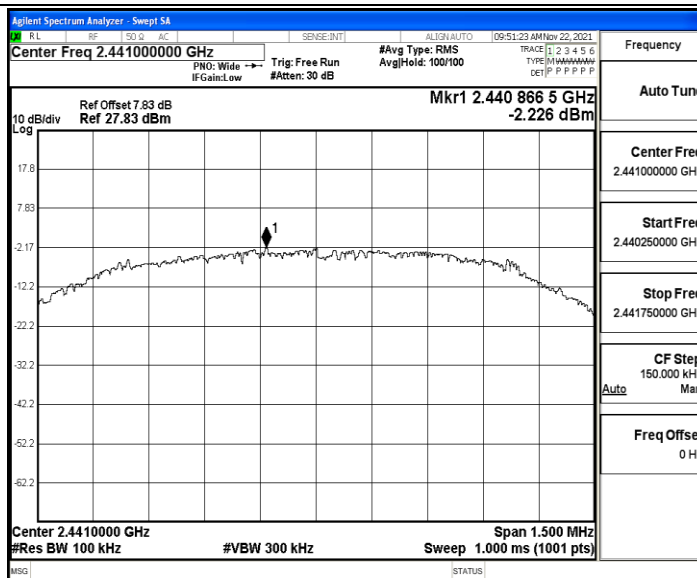
2DH5_Ant0_2402_30~1000



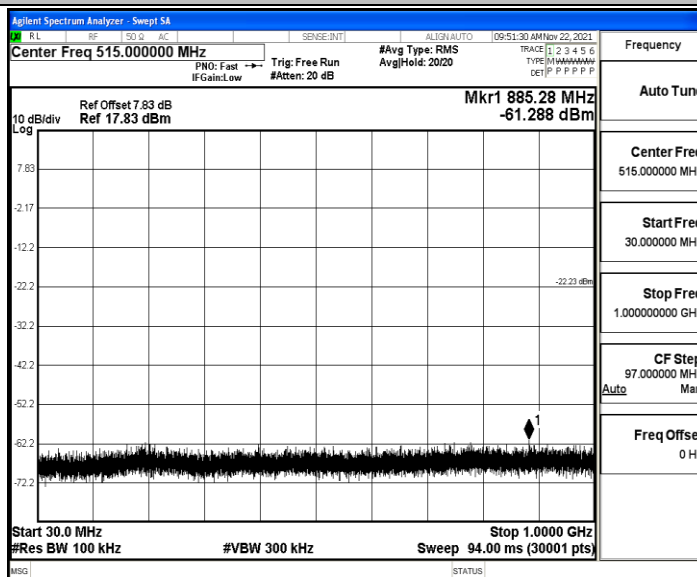
2DH5_Ant0_2402_1000~26500



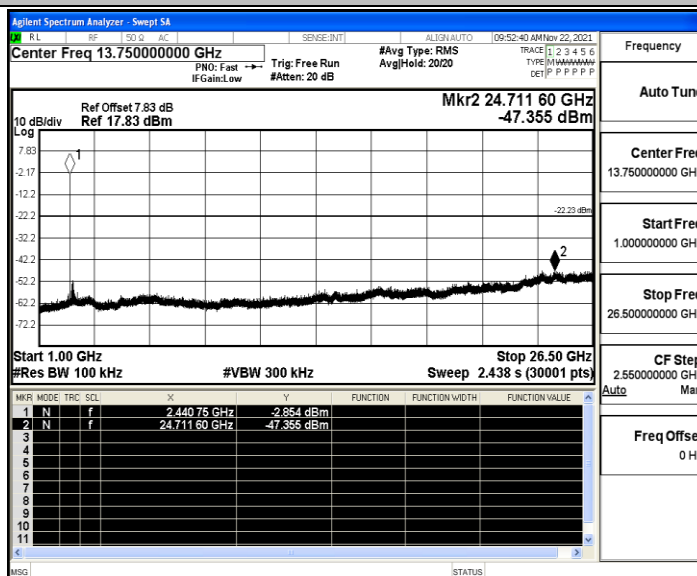
2DH5_Ant0_2441_0~Reference



2DH5_Ant0_2441_30~1000

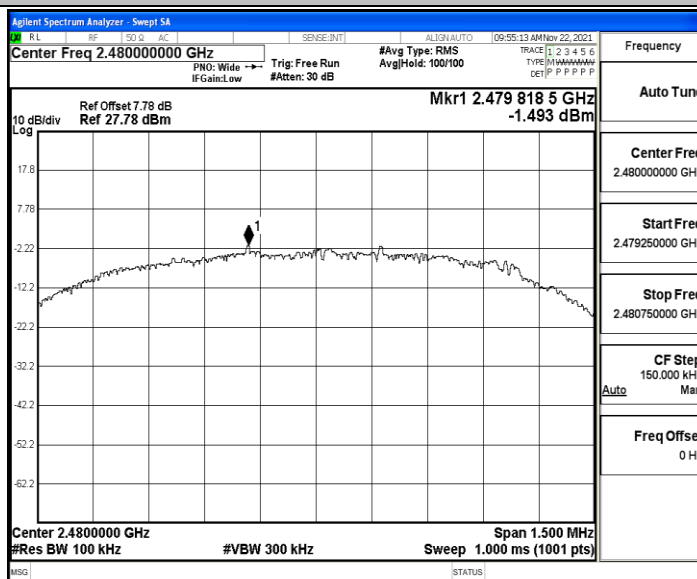


2DH5_Ant0_2441_1000~26500

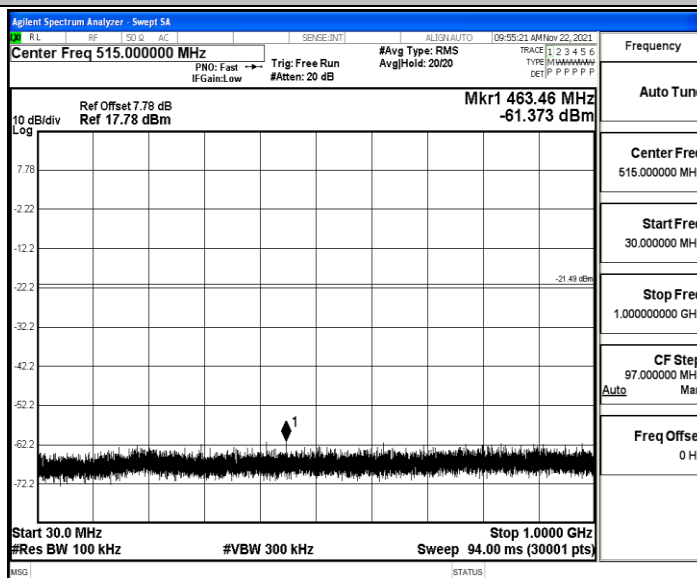




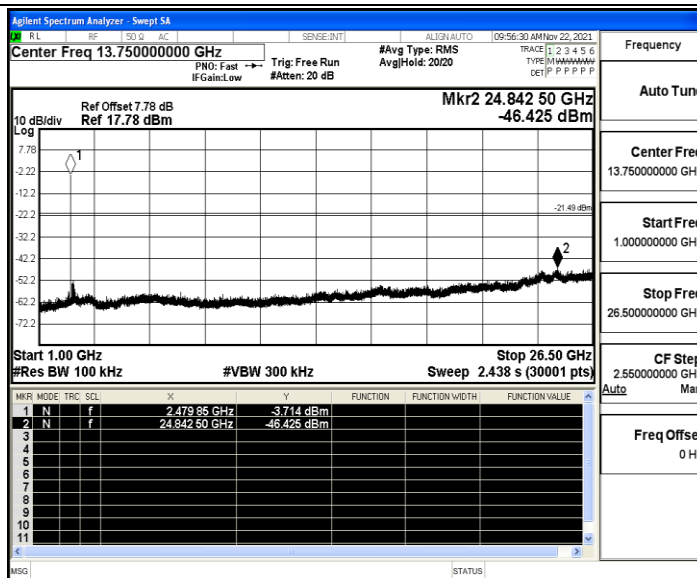
2DH5_Ant0_2480_0~Reference



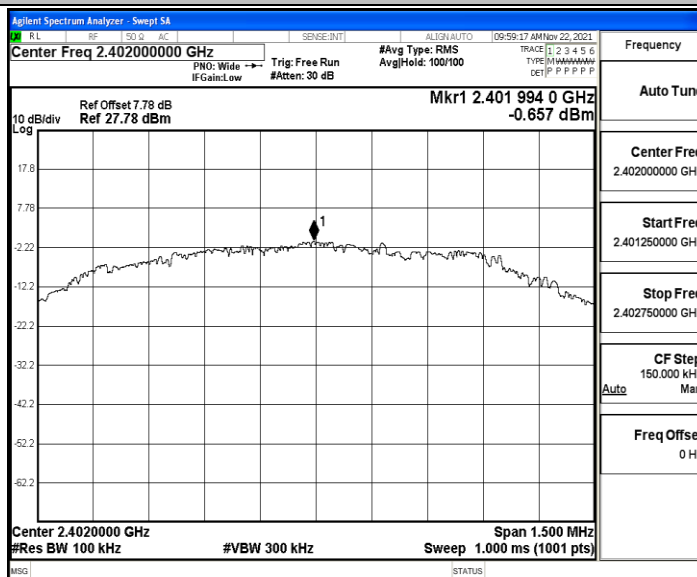
2DH5_Ant0_2480_30~1000



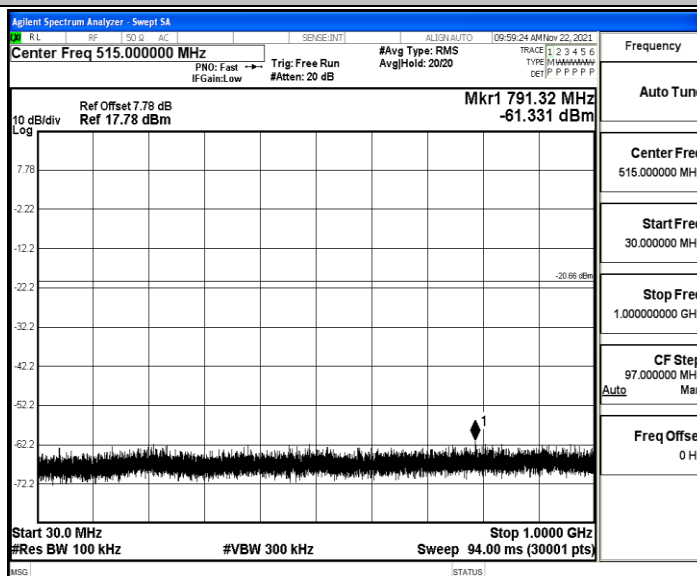
2DH5_Ant0_2480_1000~26500



3DH5_Ant0_2402_0~Reference

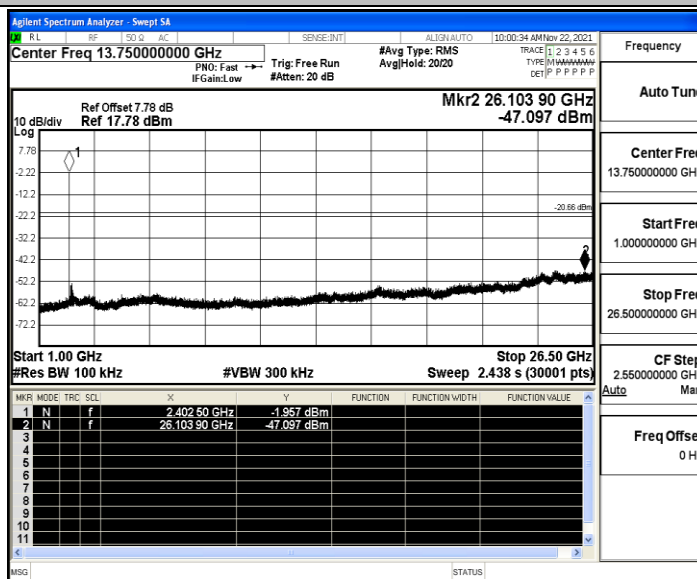


3DH5_Ant0_2402_30~1000

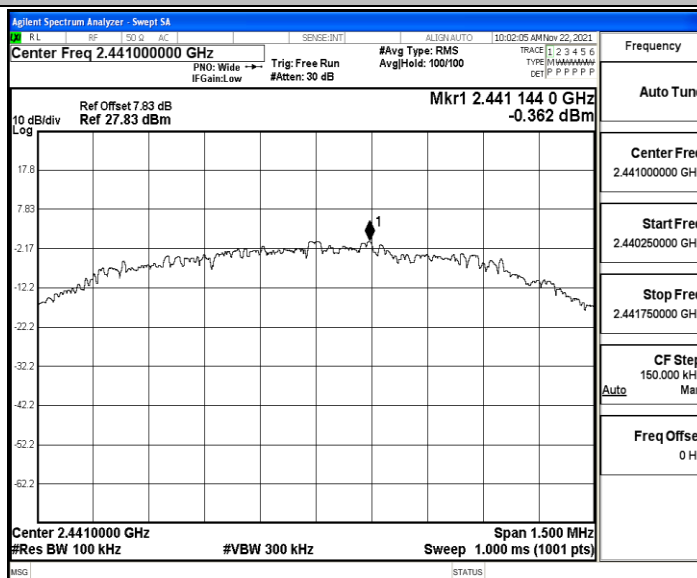




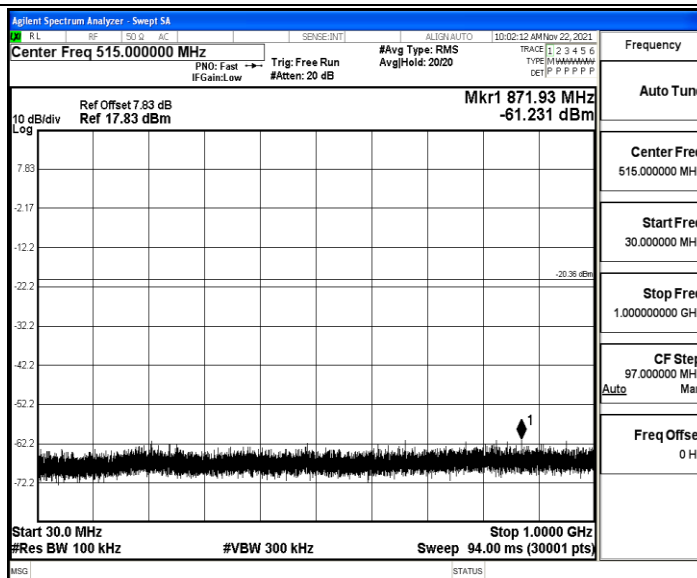
3DH5_Ant0_2402_1000~26500



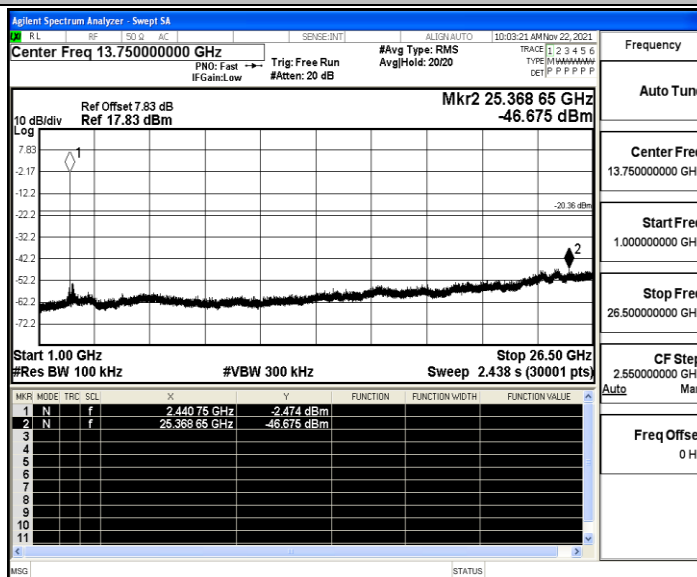
3DH5_Ant0_2441_0~Reference



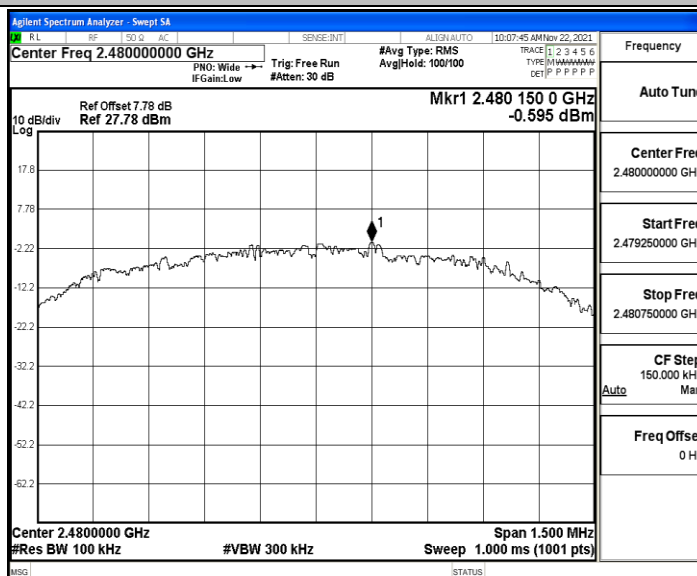
3DH5_Ant0_2441_30~1000



3DH5_Ant0_2441_1000~26500

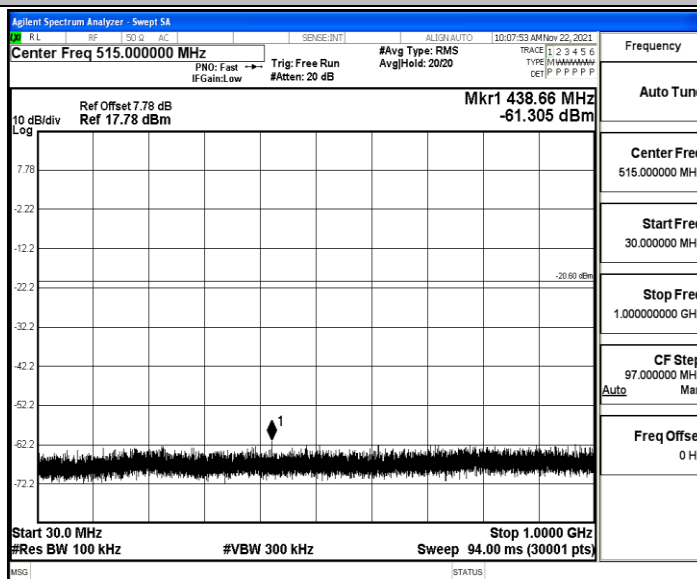


3DH5_Ant0_2480_0~Reference

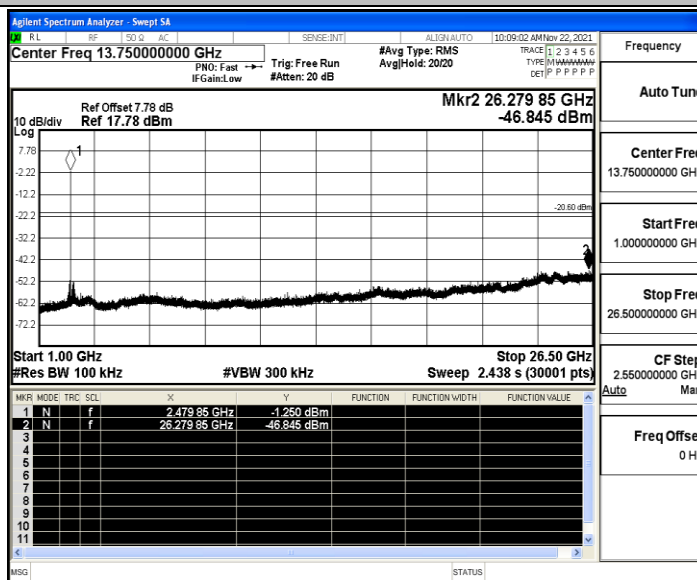




3DH5_Ant0_2480_30~1000



3DH5_Ant0_2480_1000~26500





A.8 Emissions in Restricted Bands

Test Result

TestMode	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	2402	AV	2310.000	-48.93	≤-41.20	46.27	≤54	PASS
		AV	2321.945	-48.18	≤-41.20	47.02	≤54	PASS
		AV	2390.000	-48.59	≤-41.20	46.61	≤54	PASS
		Peak	2310.000	-42.74	≤-21.20	52.46	≤74	PASS
		Peak	2366.570	-38.33	≤-21.20	56.87	≤74	PASS
		Peak	2390.000	-41.38	≤-21.20	53.82	≤74	PASS
	2480	AV	2483.500	-47.7	≤-41.20	47.50	≤54	PASS
		AV	2484.800	-47.07	≤-41.20	48.13	≤54	PASS
		AV	2500.000	-48.09	≤-41.20	47.11	≤54	PASS
		Peak	2483.500	-39.51	≤-21.20	55.69	≤74	PASS
		Peak	2499.680	-38.01	≤-21.20	57.19	≤74	PASS
		Peak	2500.000	-42.57	≤-21.20	52.63	≤74	PASS
	Hop_2402	Peak	2310.000	-41.14	≤-21.20	54.06	≤74	PASS
		Peak	2361.530	-37.7	≤-21.20	57.50	≤74	PASS
		Peak	2390.000	-40.23	≤-21.20	54.97	≤74	PASS
	Hop_2480	Peak	2483.500	-40.01	≤-21.20	55.19	≤74	PASS
		Peak	2494.080	-37.09	≤-21.20	58.11	≤74	PASS
		Peak	2500.000	-39.56	≤-21.20	55.64	≤74	PASS
2DH5	2402	AV	2310.000	-48.91	≤-41.20	46.29	≤54	PASS
		AV	2341.895	-48.42	≤-41.20	46.78	≤54	PASS
		AV	2390.000	-48.62	≤-41.20	46.58	≤54	PASS
		Peak	2310.000	-43.03	≤-21.20	52.17	≤74	PASS
		Peak	2343.785	-38.85	≤-21.20	56.35	≤74	PASS
		Peak	2390.000	-41.26	≤-21.20	53.94	≤74	PASS
	2480	AV	2483.500	-47.42	≤-41.20	47.78	≤54	PASS
		AV	2484.880	-46.91	≤-41.20	48.29	≤54	PASS
		AV	2500.000	-48.01	≤-41.20	47.19	≤54	PASS
		Peak	2483.500	-40.33	≤-21.20	54.87	≤74	PASS
		Peak	2498.080	-38.05	≤-21.20	57.15	≤74	PASS
		Peak	2500.000	-40.97	≤-21.20	54.23	≤74	PASS
	Hop_2402	Peak	2310.000	-39.3	≤-21.20	55.90	≤74	PASS
		Peak	2357.015	-38.16	≤-21.20	57.04	≤74	PASS
		Peak	2390.000	-40.81	≤-21.20	54.39	≤74	PASS
	Hop_2480	Peak	2483.500	-40.13	≤-21.20	55.07	≤74	PASS
		Peak	2498.720	-37	≤-21.20	58.20	≤74	PASS
		Peak	2500.000	-37.99	≤-21.20	57.21	≤74	PASS
3DH5	2402	AV	2310.000	-48.9	≤-41.20	46.30	≤54	PASS



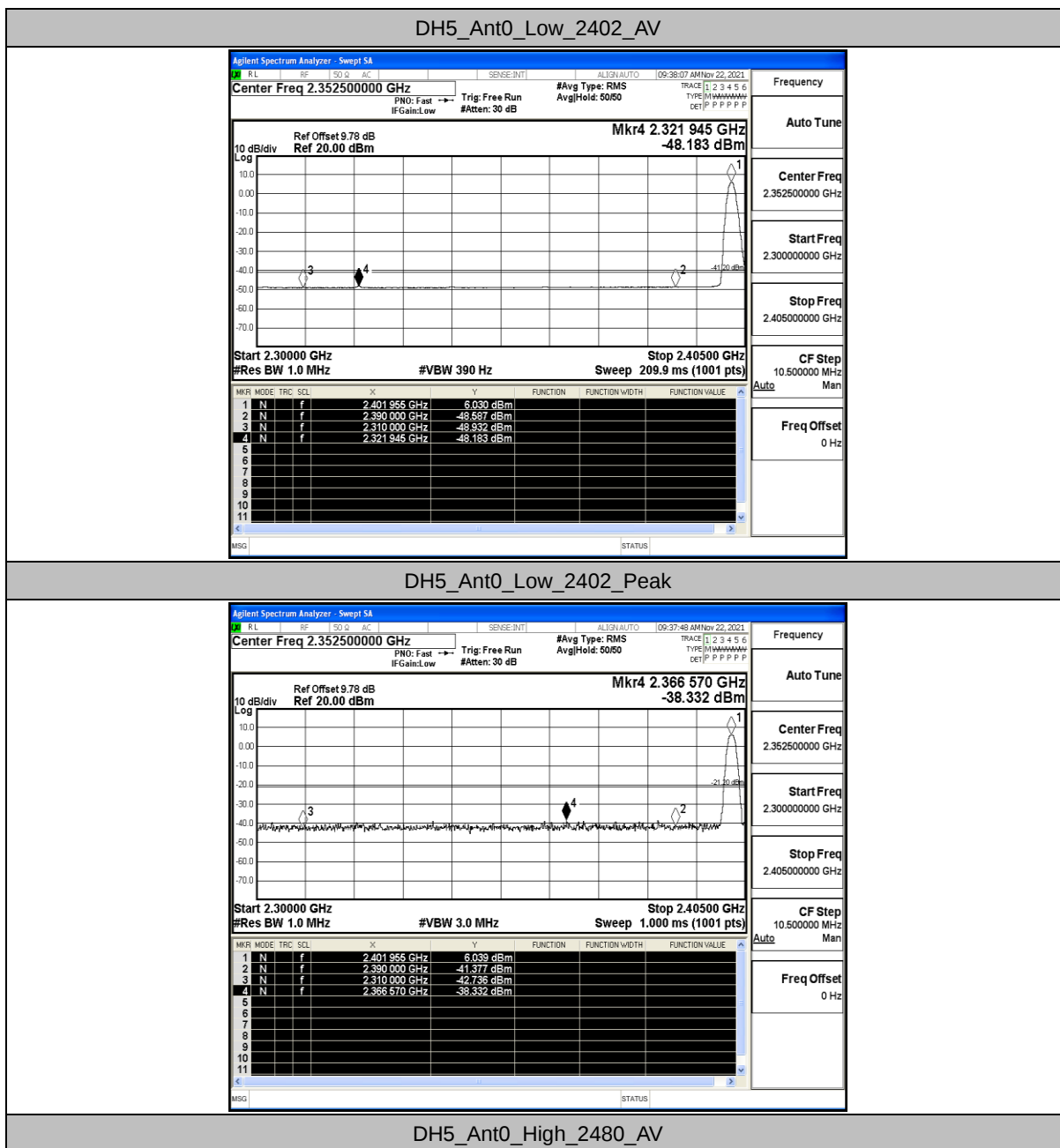
		AV	2386.520	-48.39	≤ -41.20	46.81	≤ 54	PASS
		AV	2390.000	-48.54	≤ -41.20	46.66	≤ 54	PASS
		Peak	2310.000	-41.55	≤ -21.20	53.65	≤ 74	PASS
		Peak	2353.865	-38.97	≤ -21.20	56.23	≤ 74	PASS
		Peak	2390.000	-40.18	≤ -21.20	55.02	≤ 74	PASS
	2480	AV	2483.500	-47.3	≤ -41.20	47.90	≤ 54	PASS
		AV	2484.880	-46.95	≤ -41.20	48.25	≤ 54	PASS
		AV	2500.000	-48.05	≤ -41.20	47.15	≤ 54	PASS
		Peak	2483.500	-40.8	≤ -21.20	54.40	≤ 74	PASS
		Peak	2487.120	-38.79	≤ -21.20	56.41	≤ 74	PASS
		Peak	2500.000	-41.74	≤ -21.20	53.46	≤ 74	PASS
	Hop_2402	Peak	2310.000	-41.85	≤ -21.20	53.35	≤ 74	PASS
		Peak	2338.535	-38.1	≤ -21.20	57.10	≤ 74	PASS
		Peak	2390.000	-40.07	≤ -21.20	55.13	≤ 74	PASS
	Hop_2480	Peak	2483.500	-39.02	≤ -21.20	56.18	≤ 74	PASS
		Peak	2485.520	-37.51	≤ -21.20	57.69	≤ 74	PASS
		Peak	2500.000	-39.89	≤ -21.20	55.31	≤ 74	PASS

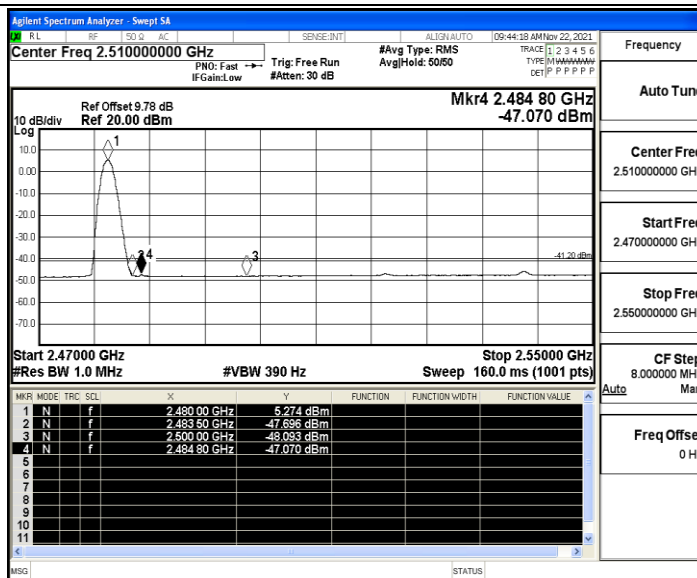
Note:

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.

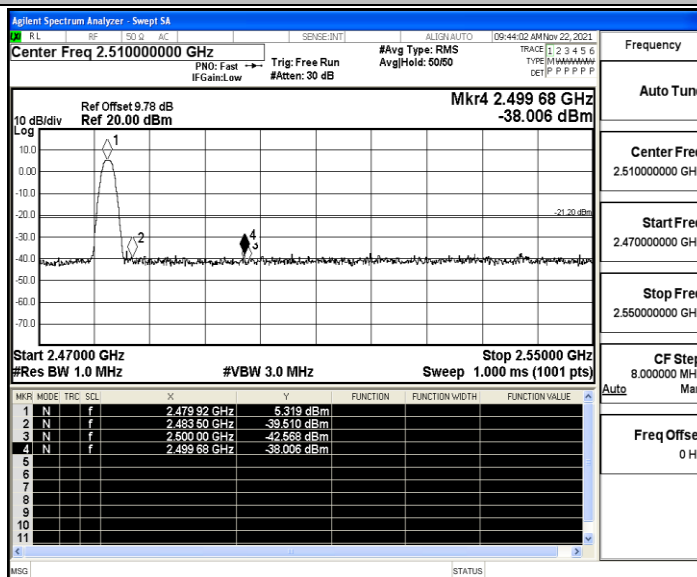


Test Graphs

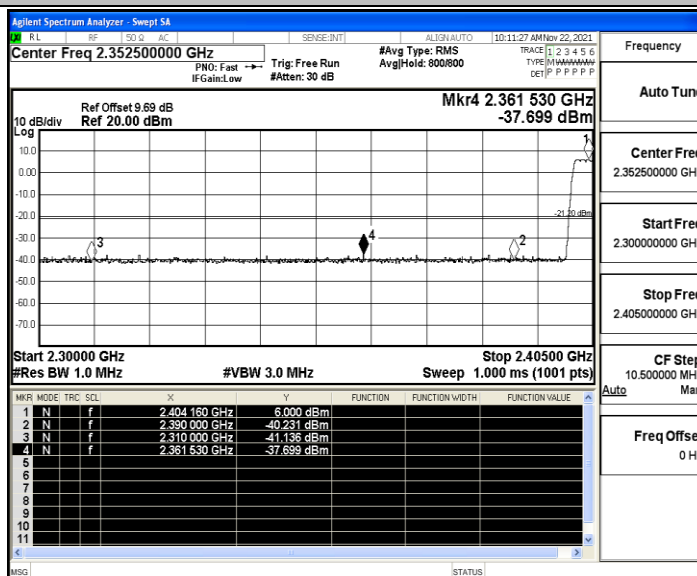




DH5_Ant0_High_2480_Peak

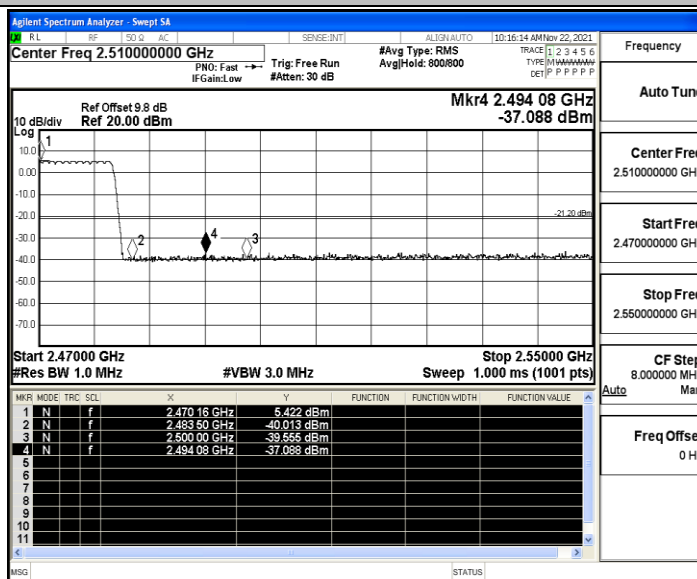


DH5_Ant0_Low_Hop_2402_Peak

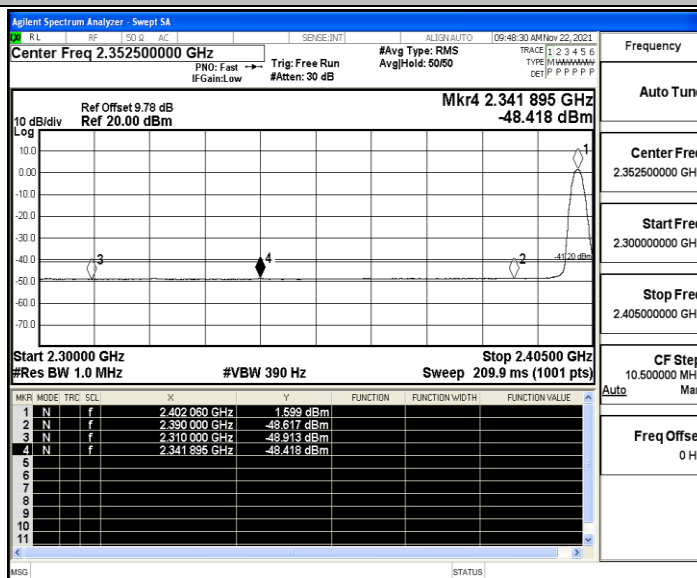




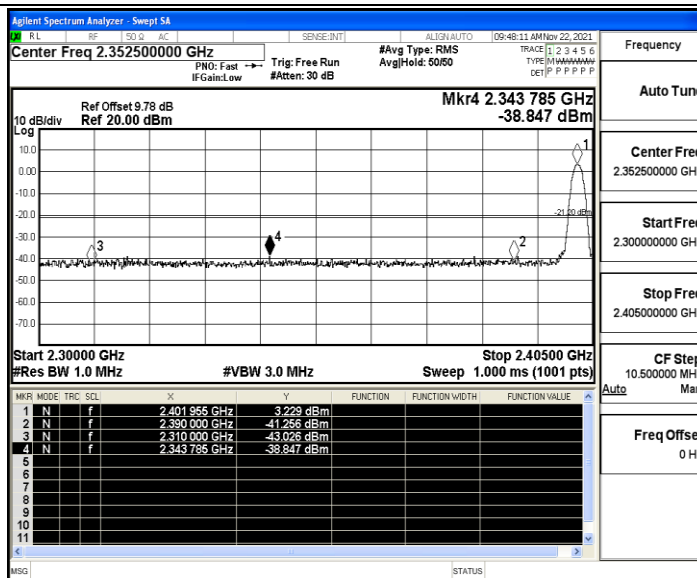
DH5_Ant0_High_Hop_2480_Peak



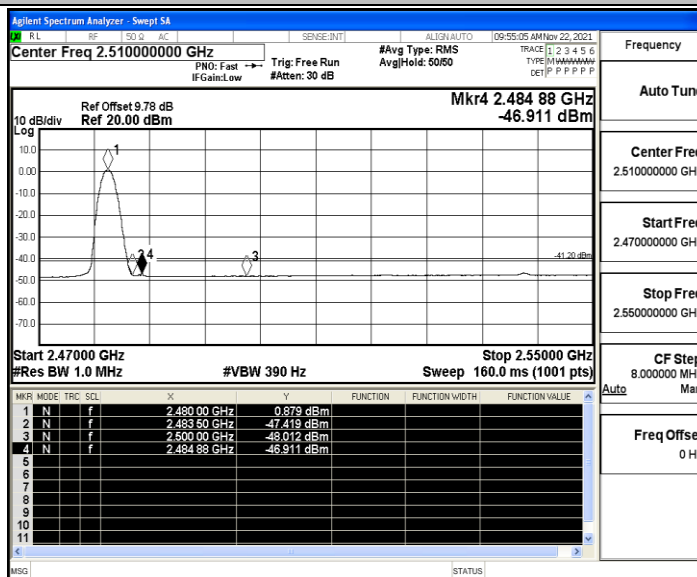
2DH5_Ant0_Low_2402_AV



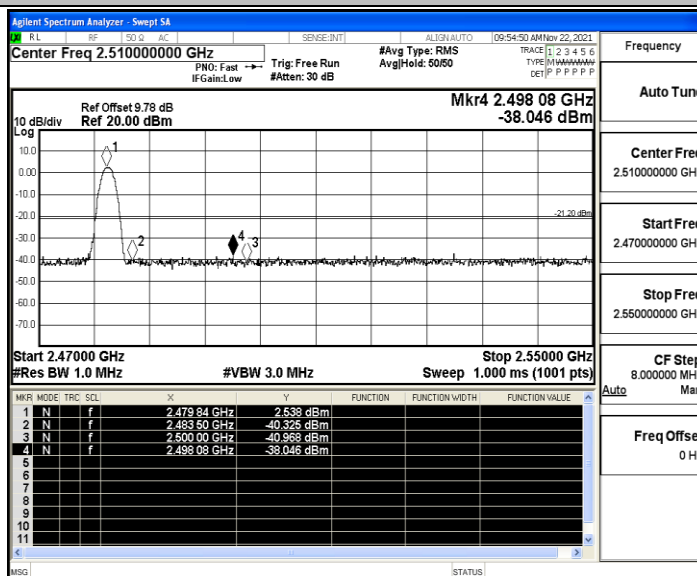
2DH5_Ant0_Low_2402_Peak



2DH5_Ant0_High_2480_AV

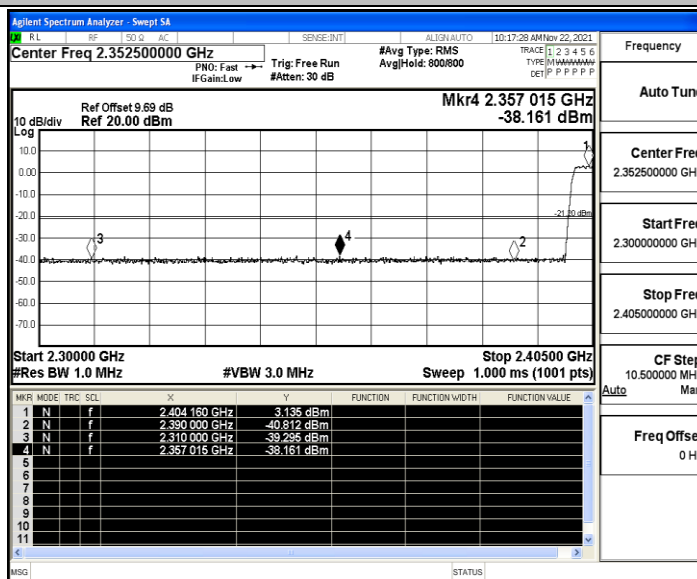


2DH5_Ant0_High_2480_Peak

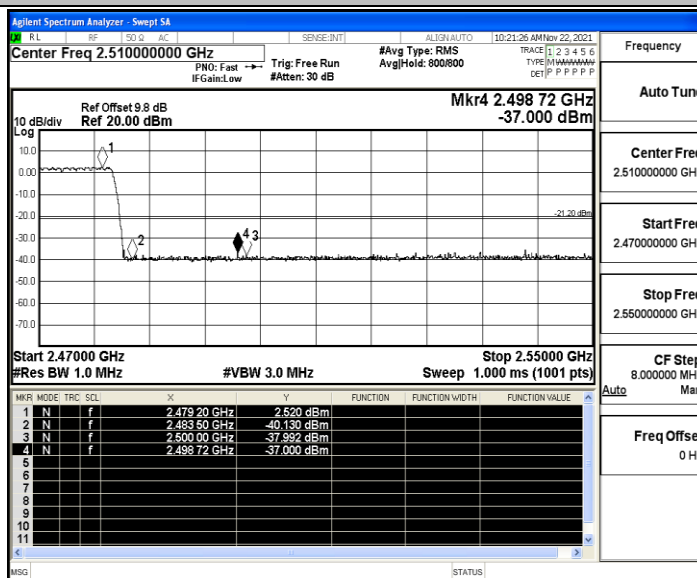




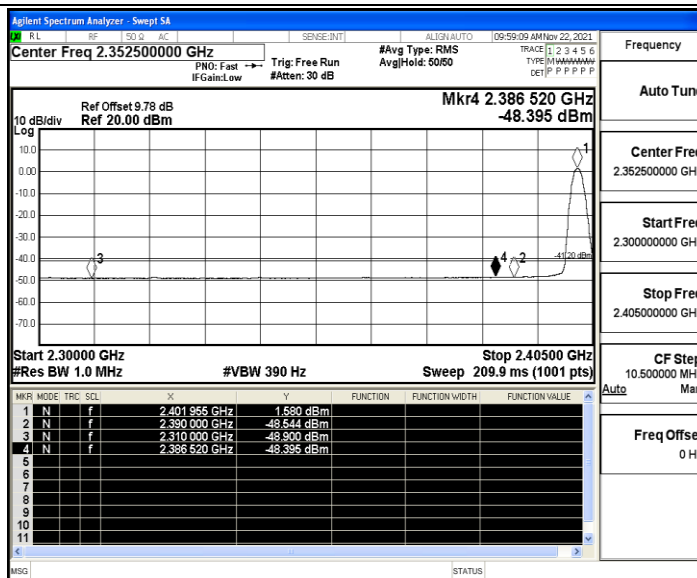
2DH5_Ant0_Low_Hop_2402_Peak



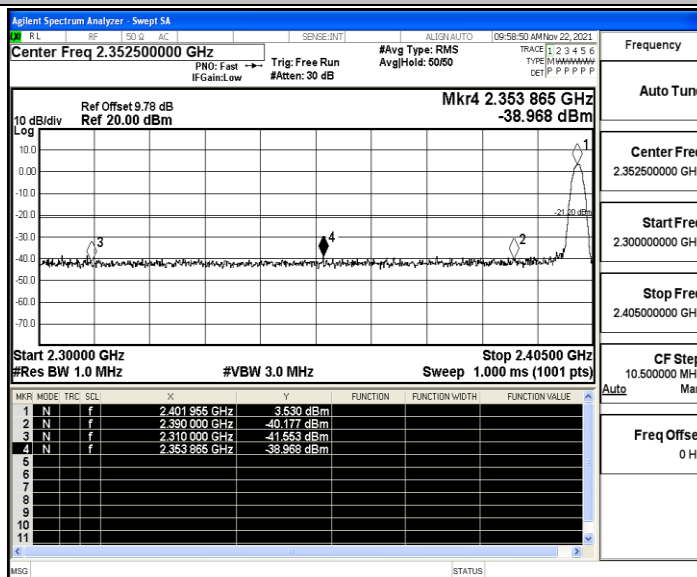
2DH5_Ant0_High_Hop_2480_Peak



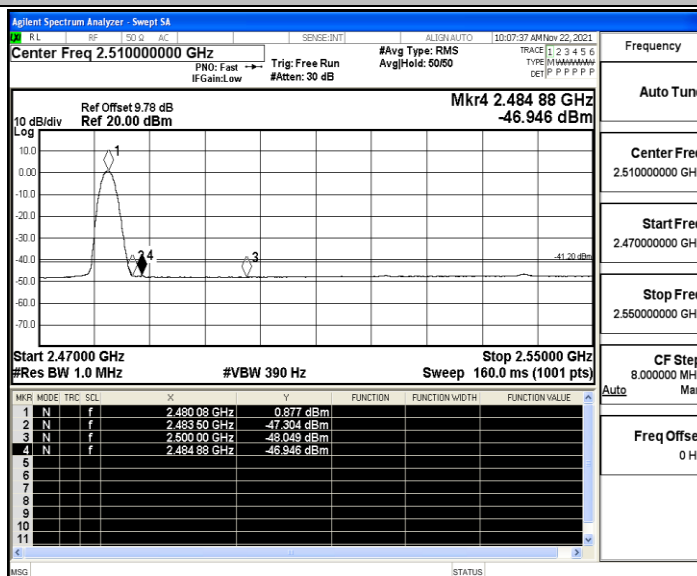
3DH5_Ant0_Low_2402_AV



3DH5_Ant0_Low_2402_Peak

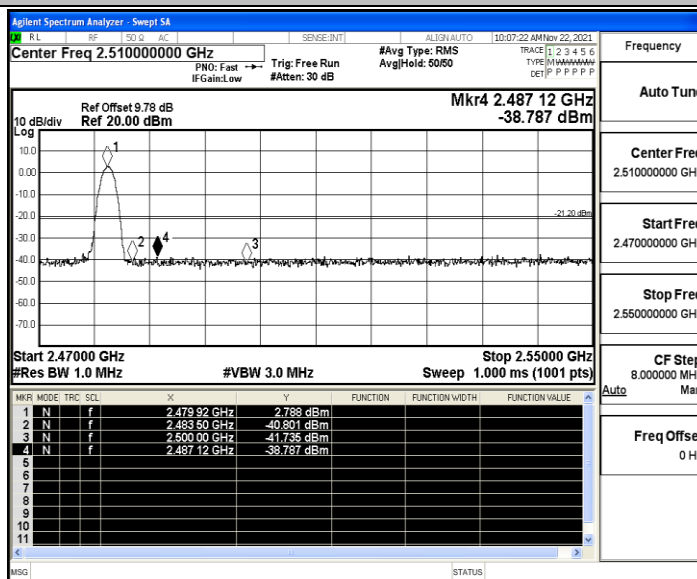


3DH5_Ant0_High_2480_AV

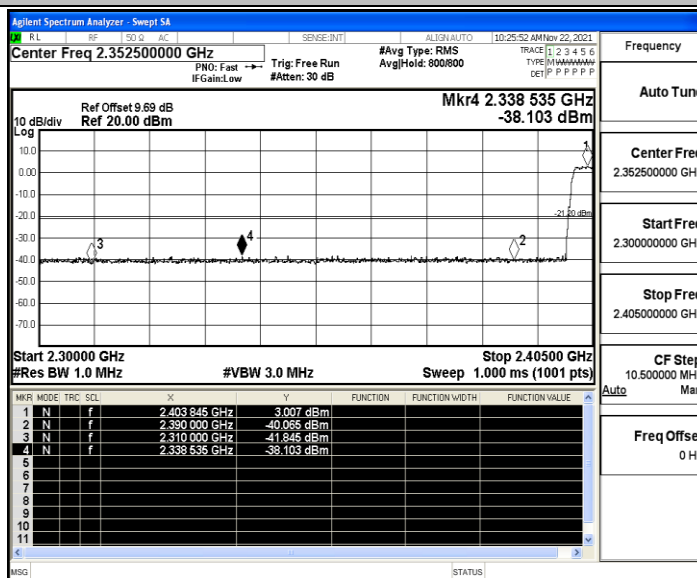




3DH5_Ant0_High_2480_Peak



3DH5_Ant0_Low_Hop_2402_Peak



3DH5_Ant0_High_Hop_2480_Peak

