



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: TURNTABLE

Test Model: BV-T010

Environmental Conditions

Temperature:	21.1° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

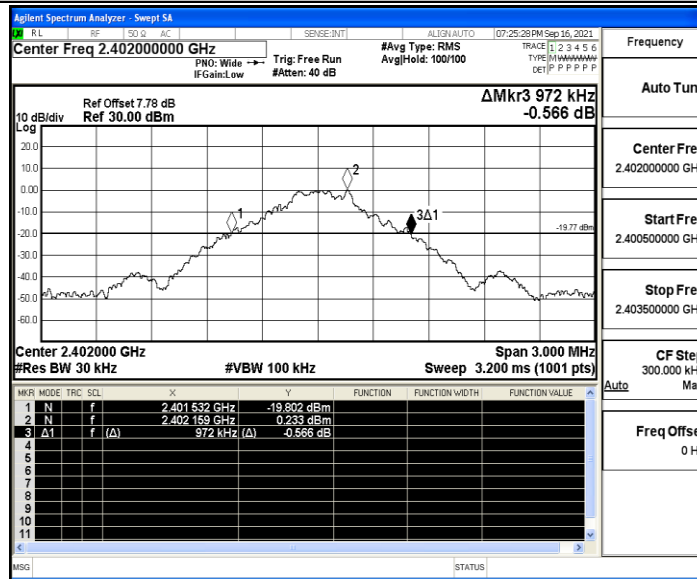
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.972	2401.532	2402.504	---	PASS
		2441	0.969	2440.532	2441.501	---	PASS
		2480	1.020	2479.487	2480.507	---	PASS
2DH5	Ant1	2402	1.341	2401.328	2402.669	---	PASS
		2441	1.359	2440.322	2441.681	---	PASS
		2480	1.287	2479.364	2480.651	---	PASS
3DH5	Ant1	2402	1.305	2401.355	2402.660	---	PASS
		2441	1.332	2440.337	2441.669	---	PASS
		2480	1.299	2479.346	2480.645	---	PASS

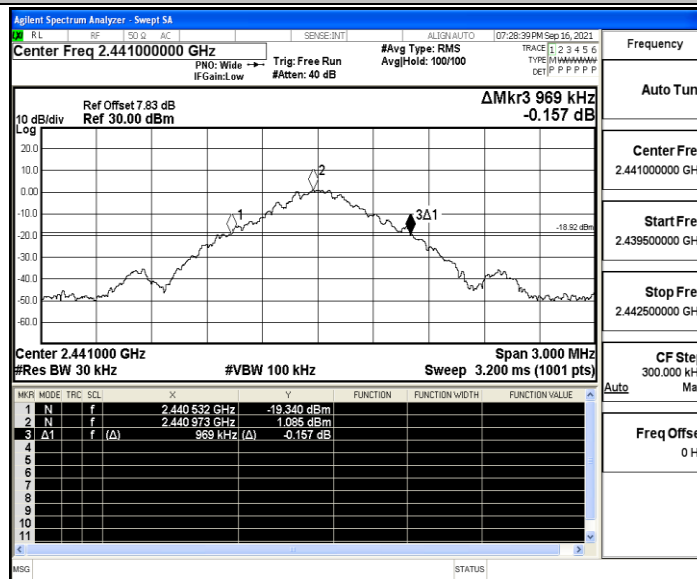


Test Graphs

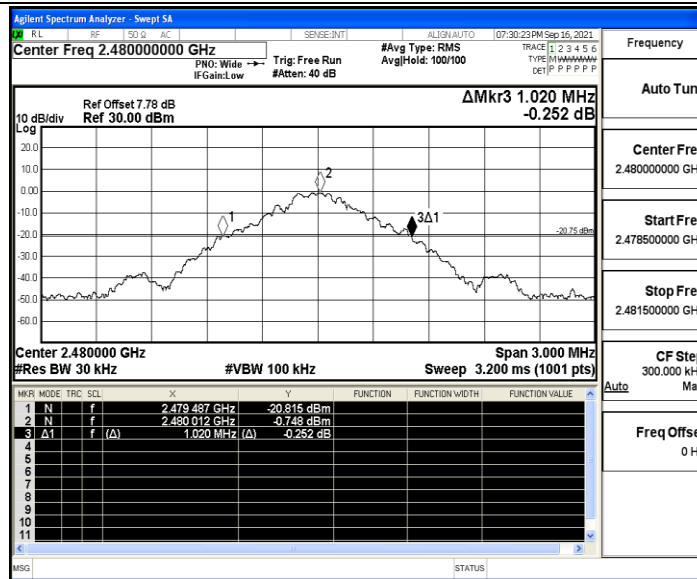
DH5_Ant1_2402



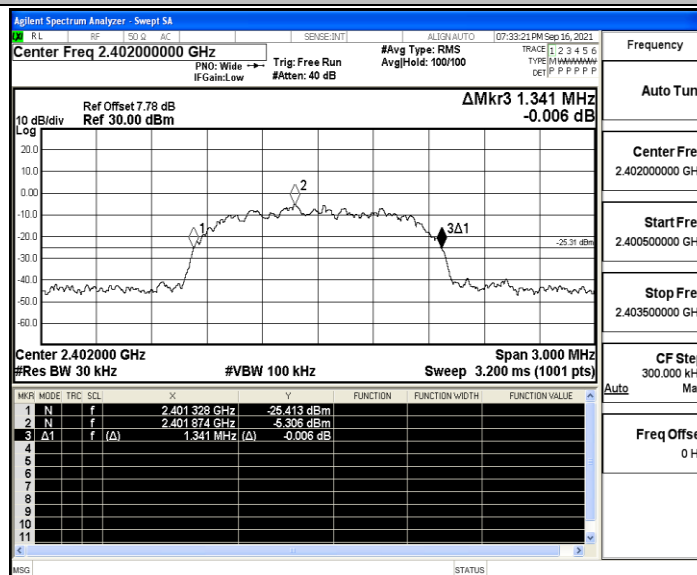
DH5_Ant1_2441



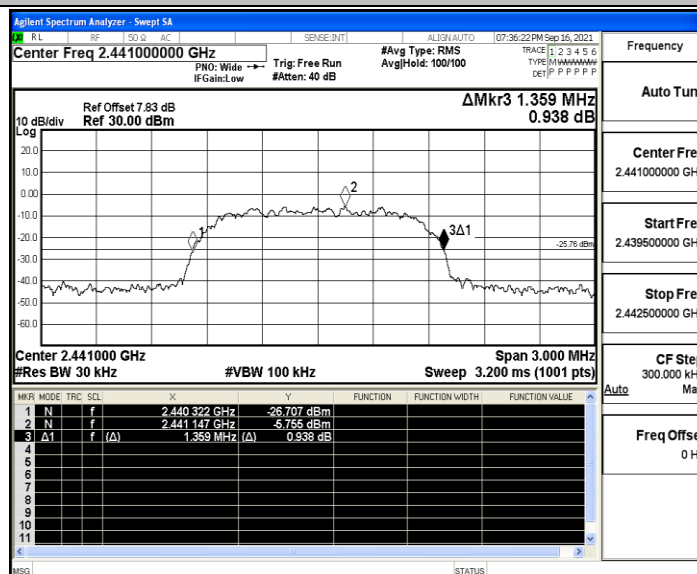
DH5_Ant1_2480



2DH5_Ant1_2402

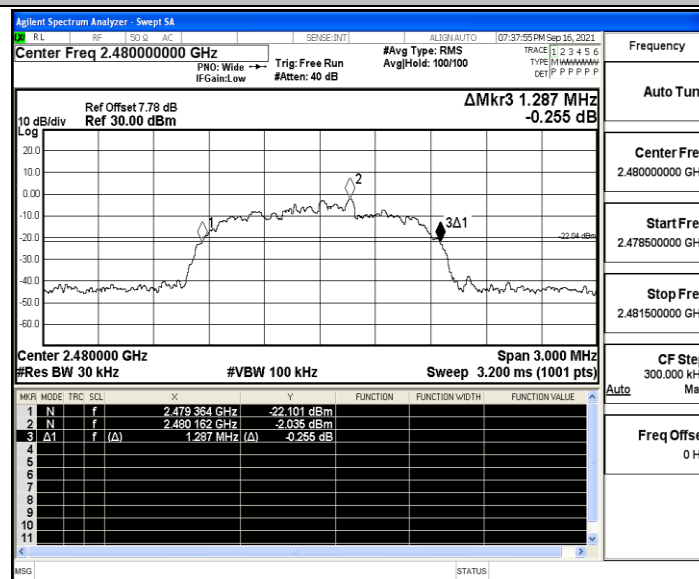


2DH5_Ant1_2441

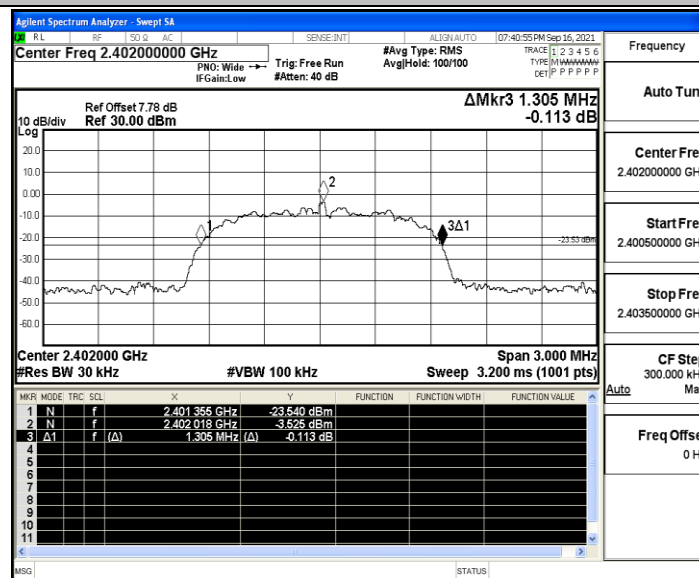




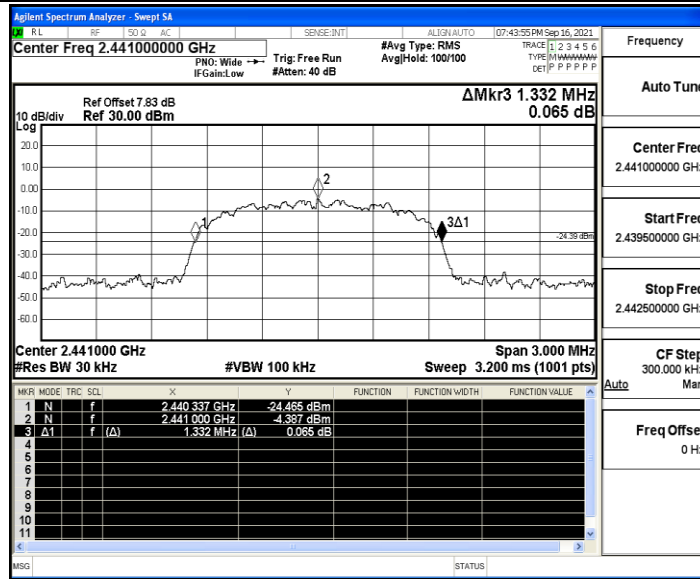
2DH5_Ant1_2480



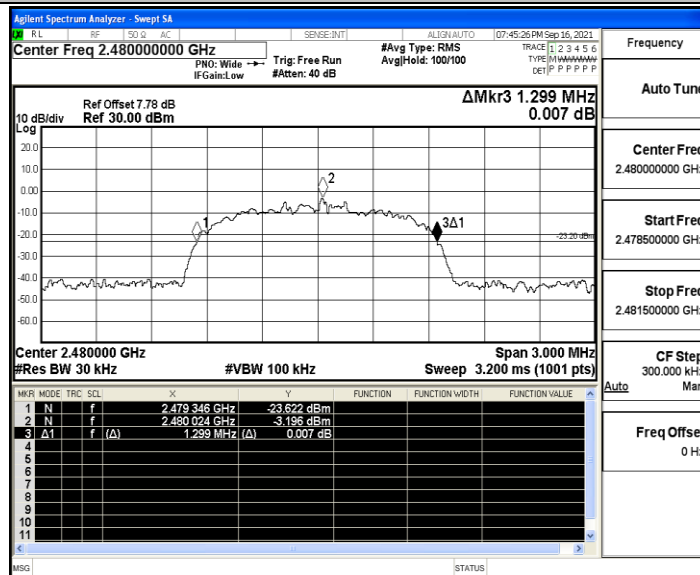
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum conducted output power

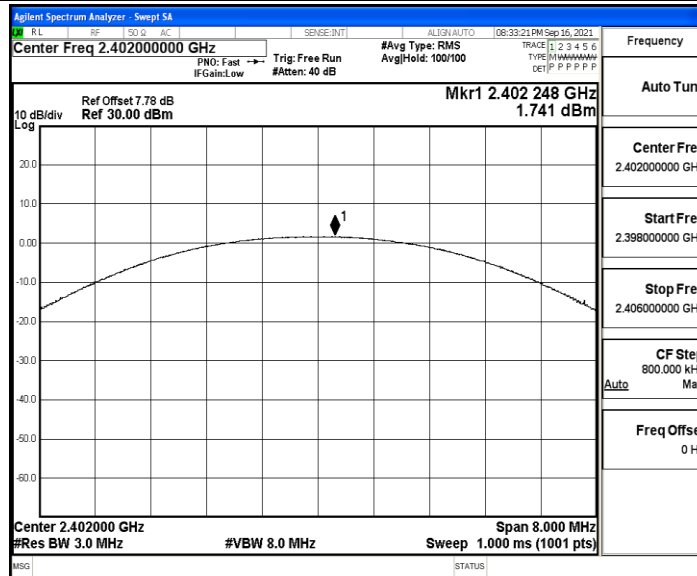
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.74	≤30	PASS
		2441	3.54	≤30	PASS
		2480	2.8	≤30	PASS
2DH5	Ant1	2402	1.87	≤21	PASS
		2441	3.26	≤21	PASS
		2480	2.01	≤21	PASS
3DH5	Ant1	2402	2.14	≤21	PASS
		2441	1.66	≤21	PASS
		2480	2.16	≤21	PASS

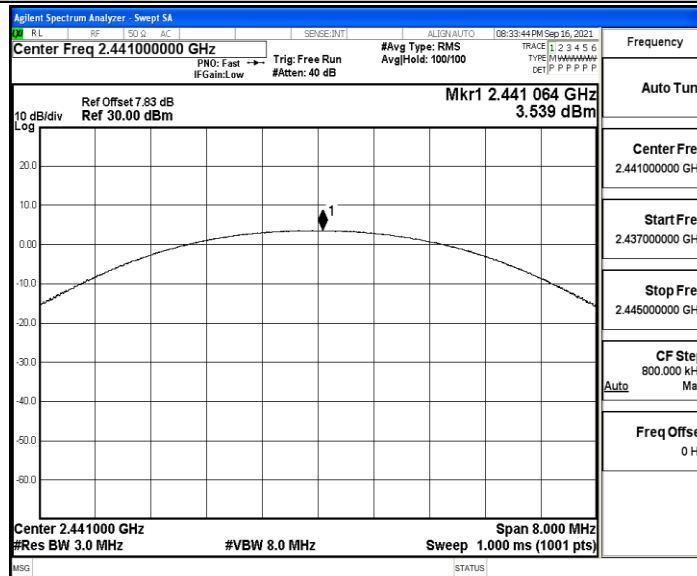


Test Graphs

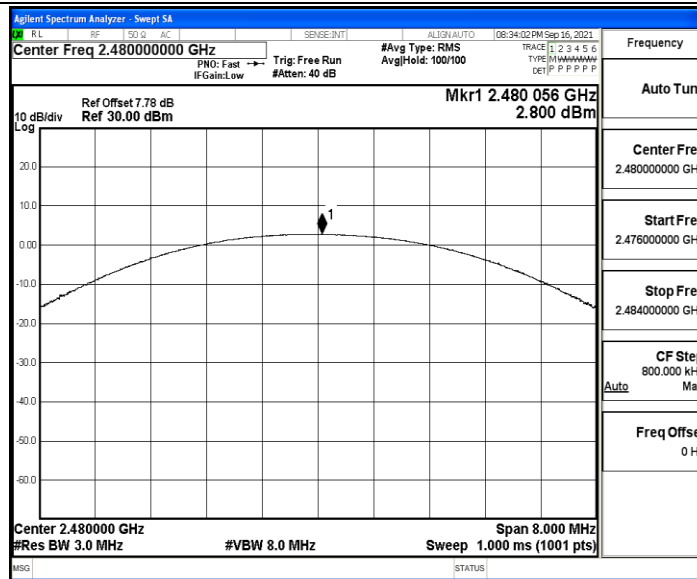
DH5_Ant1_2402



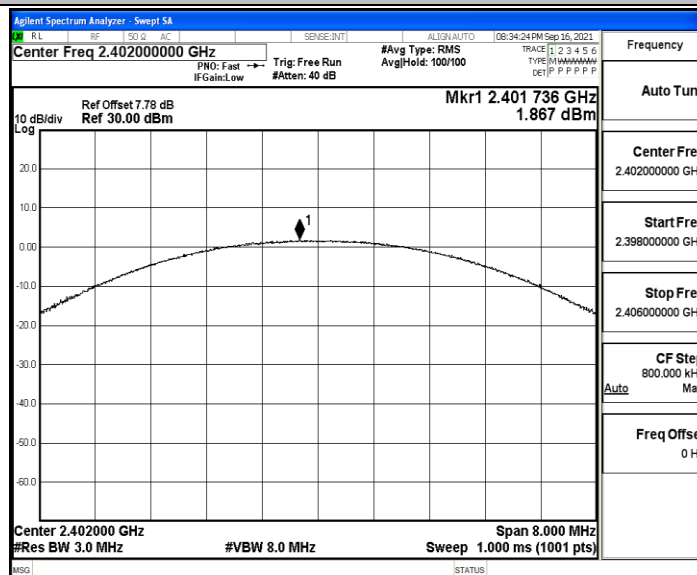
DH5_Ant1_2441



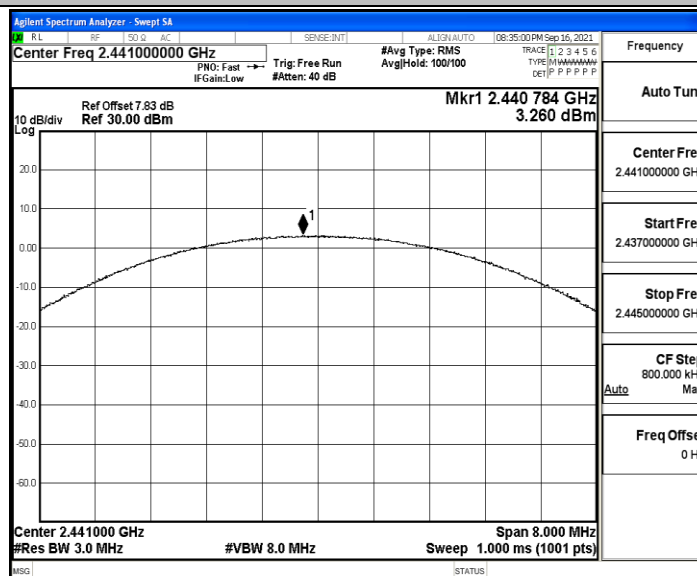
DH5_Ant1_2480



2DH5_Ant1_2402

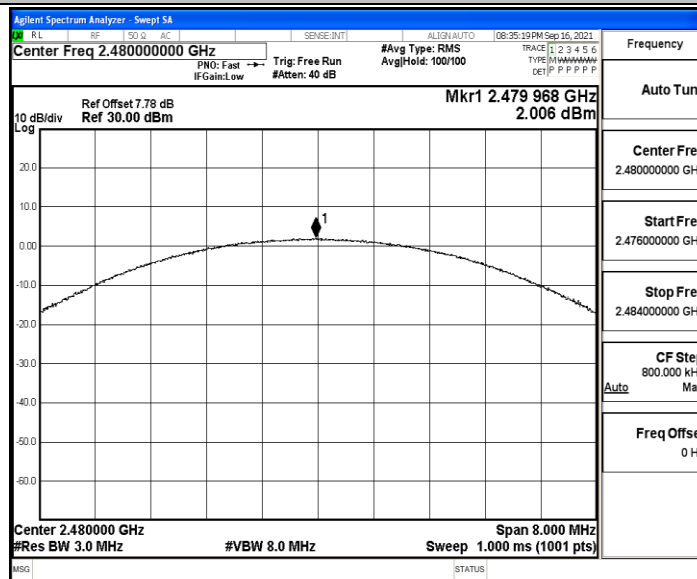


2DH5_Ant1_2441

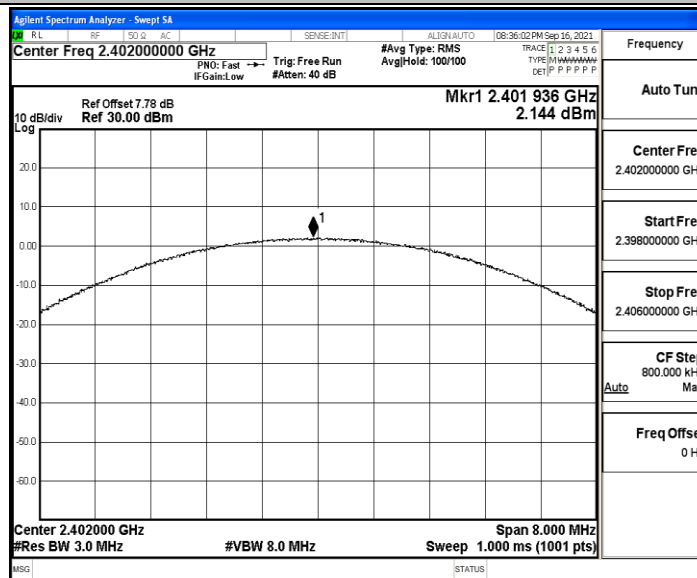




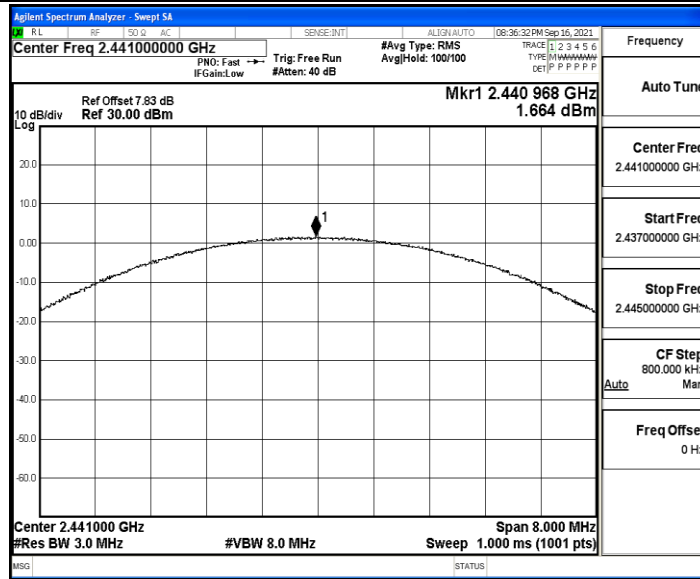
2DH5_Ant1_2480



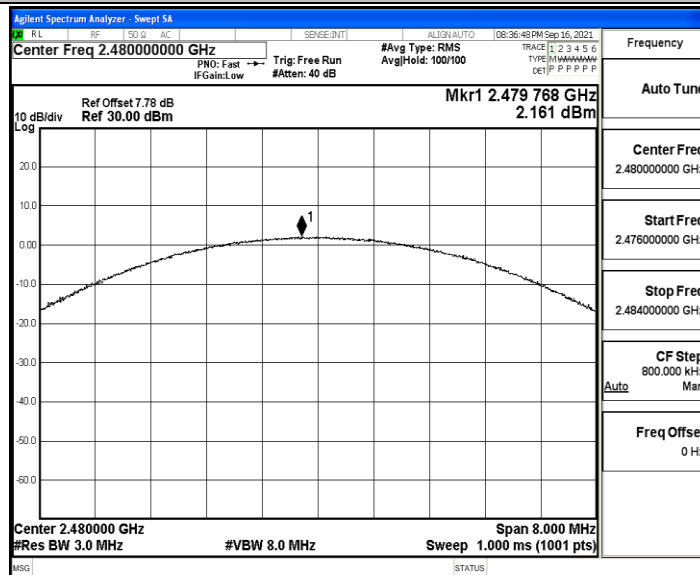
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



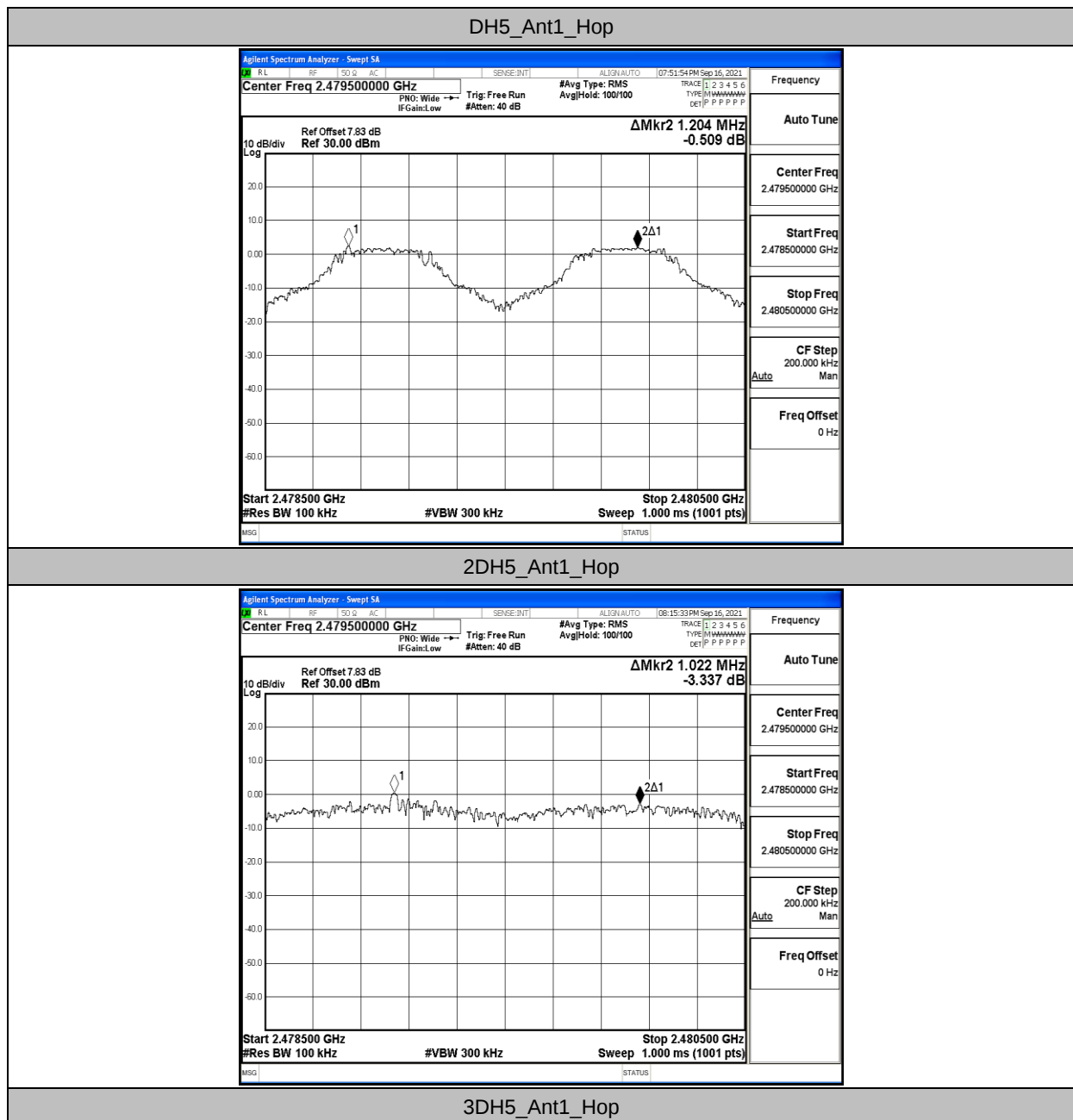


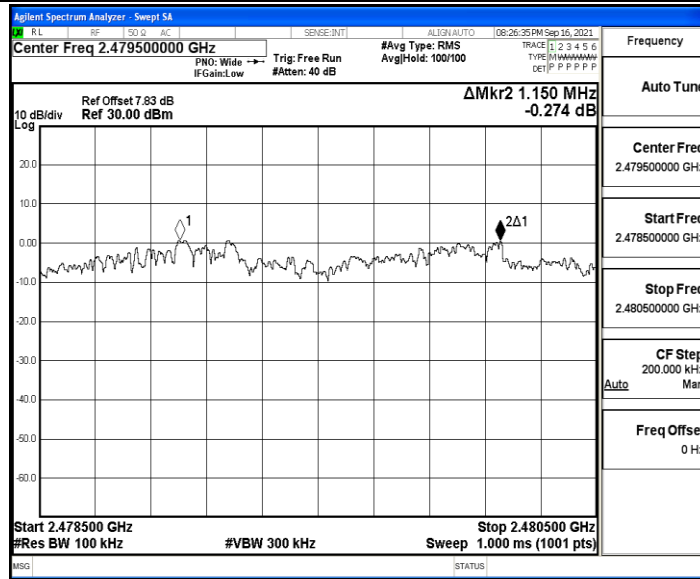
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.204	≥ 1.020	PASS
2DH5	Ant1	Hop	1.022	≥ 0.906	PASS
3DH5	Ant1	Hop	1.15	≥ 0.888	PASS

Test Graphs





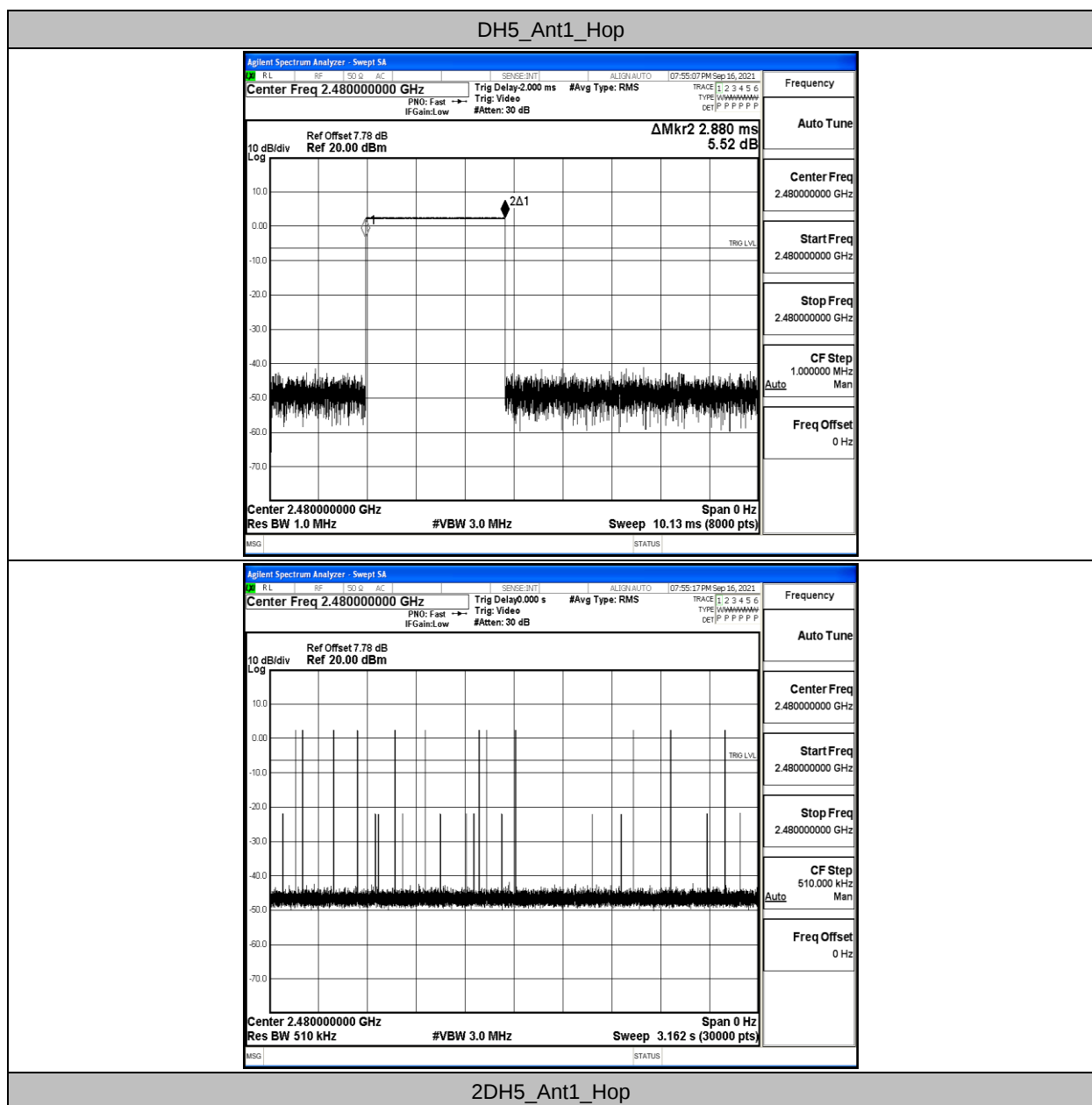


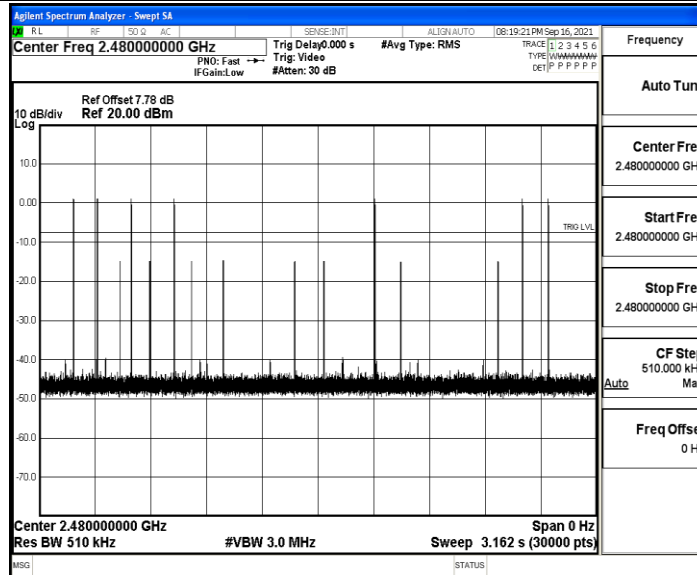
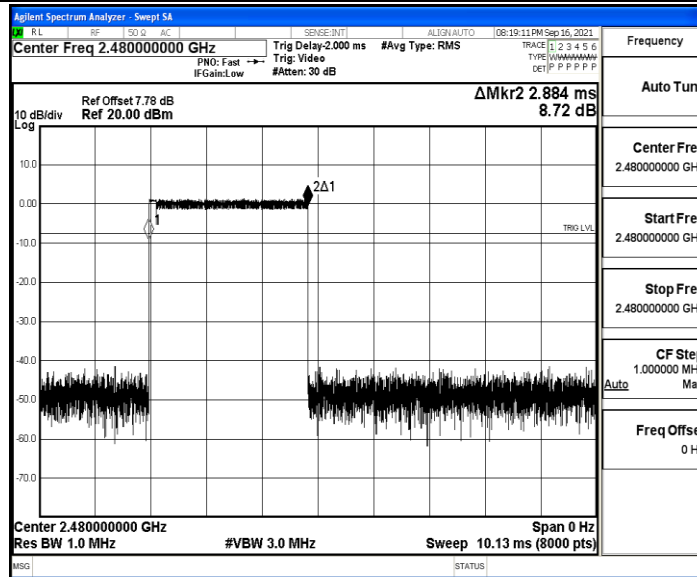
A.4 Time of occupancy

Test Result

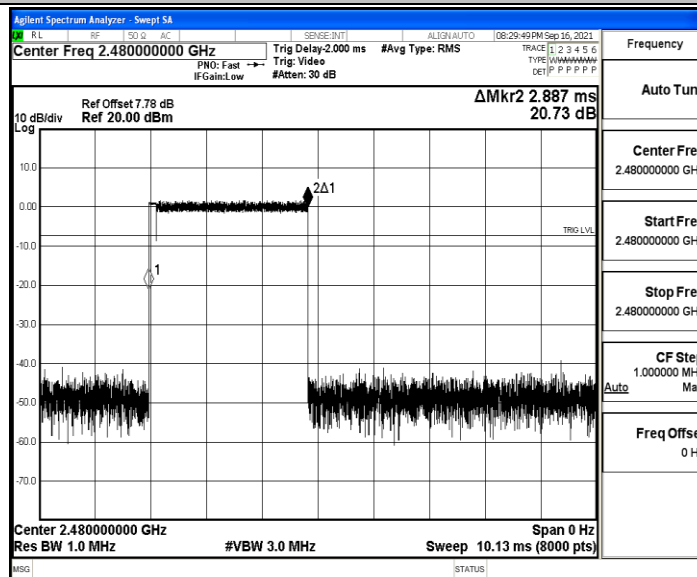
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	130	0.374	≤0.4	PASS
2DH5	Ant1	Hop	2.88	80	0.231	≤0.4	PASS
3DH5	Ant1	Hop	2.89	90	0.26	≤0.4	PASS

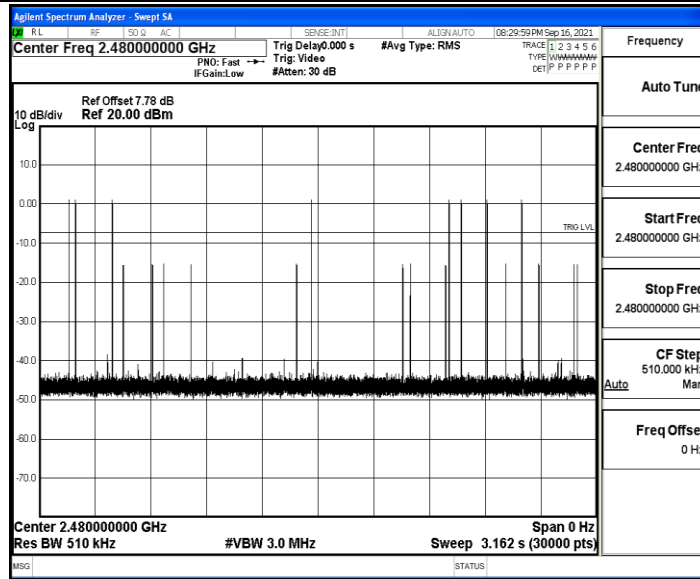
Test Graphs





3DH5_Ant1_Hop





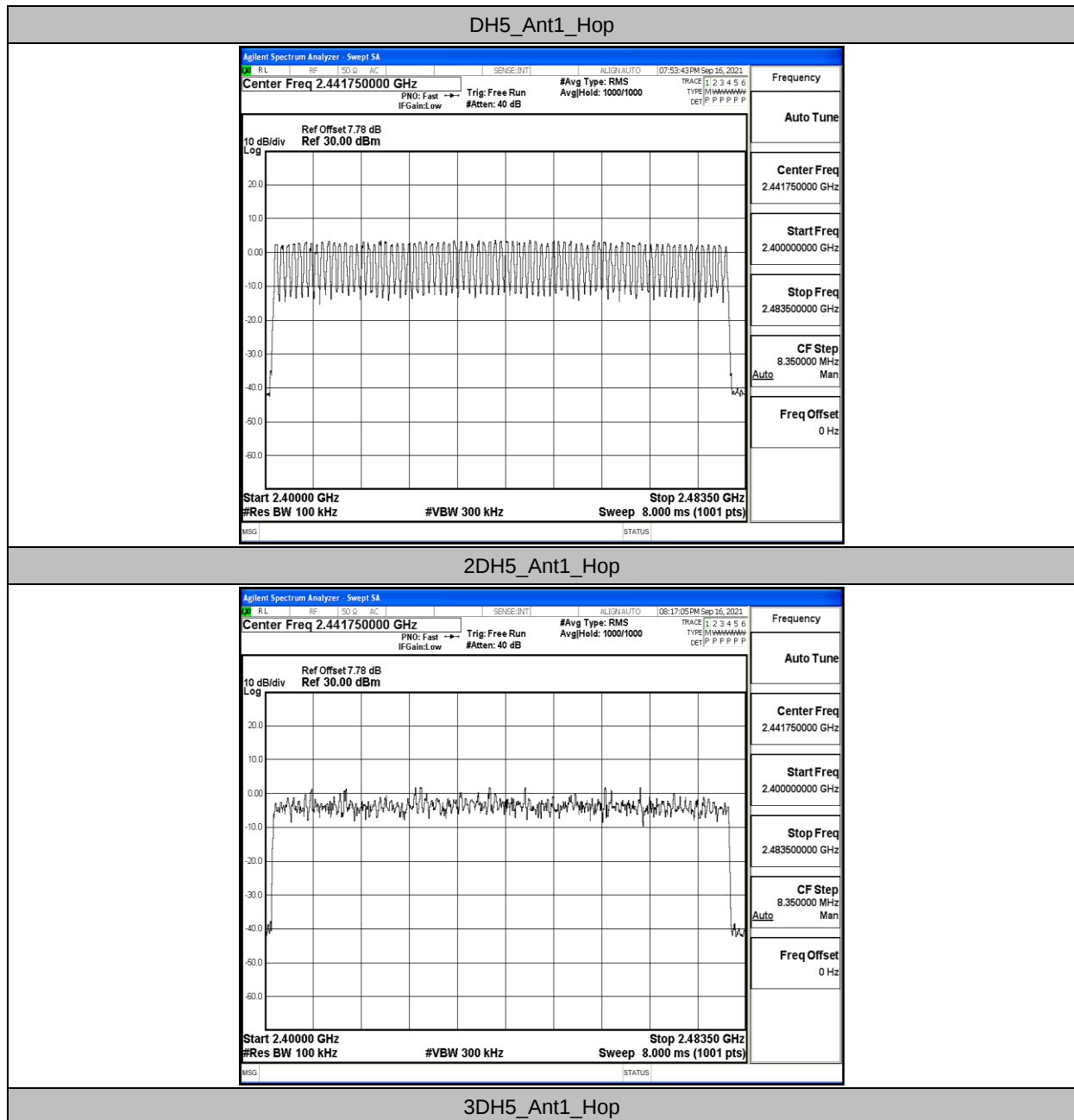


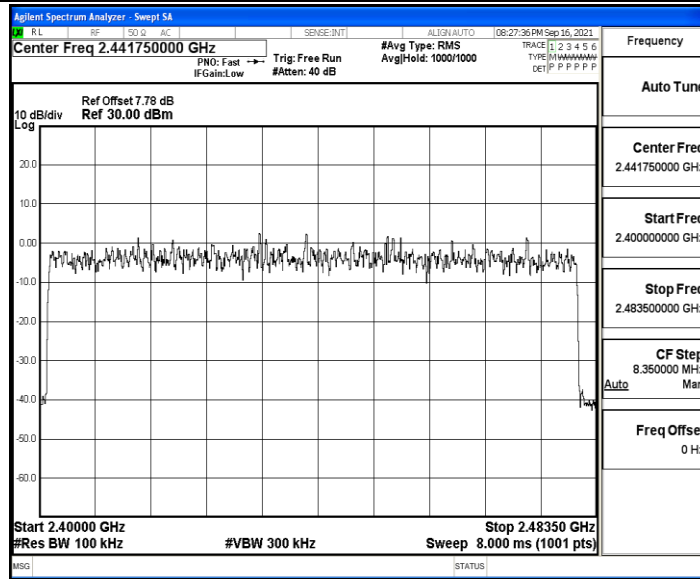
A.5 Number of hopping channels

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







A.6 Band edge measurements

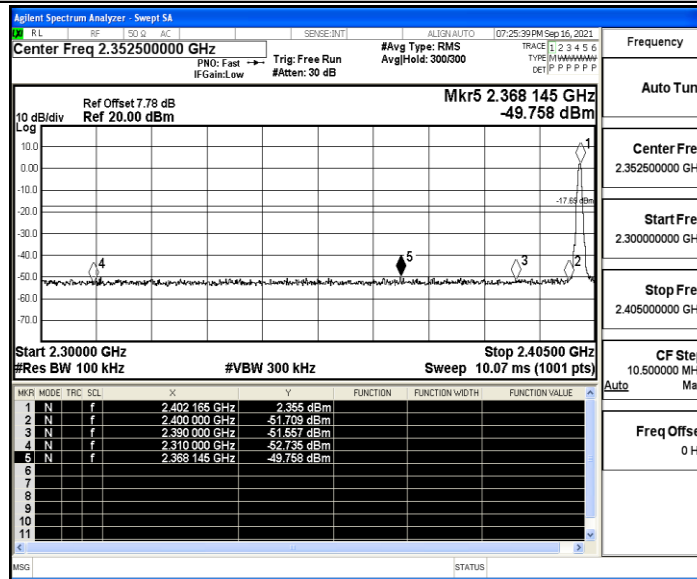
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.36	-49.76	≤ -17.65	PASS
		High	2480	2.09	-48.95	≤ -17.92	PASS
		Low	Hop_2402	1.82	-49.27	≤ -18.18	PASS
		High	Hop_2480	2.27	-49	≤ -17.73	PASS
2DH5	Ant1	Low	2402	0.15	-49.9	≤ -19.85	PASS
		High	2480	0.90	-48.7	≤ -19.1	PASS
		Low	Hop_2402	-3.11	-49.38	≤ -23.11	PASS
		High	Hop_2480	-1.29	-48.64	≤ -21.29	PASS
3DH5	Ant1	Low	2402	1.14	-49.34	≤ -18.86	PASS
		High	2480	0.55	-48.8	≤ -19.45	PASS
		Low	Hop_2402	0.91	-49.51	≤ -19.09	PASS
		High	Hop_2480	1.24	-48.51	≤ -18.76	PASS

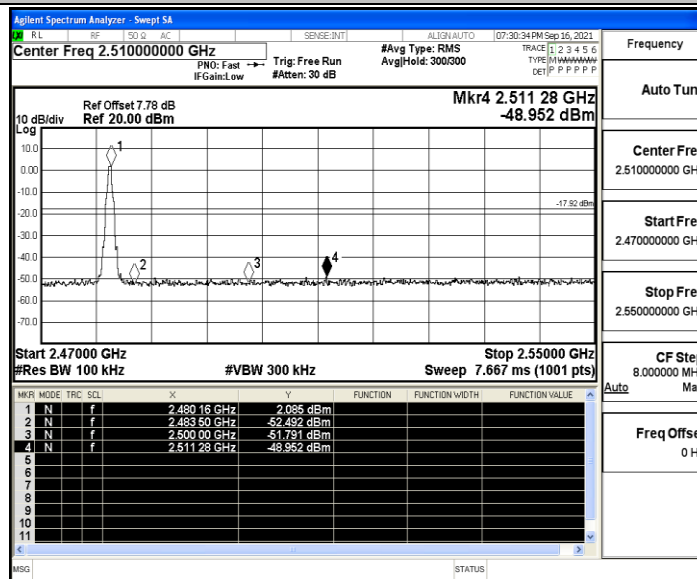


Test Graphs

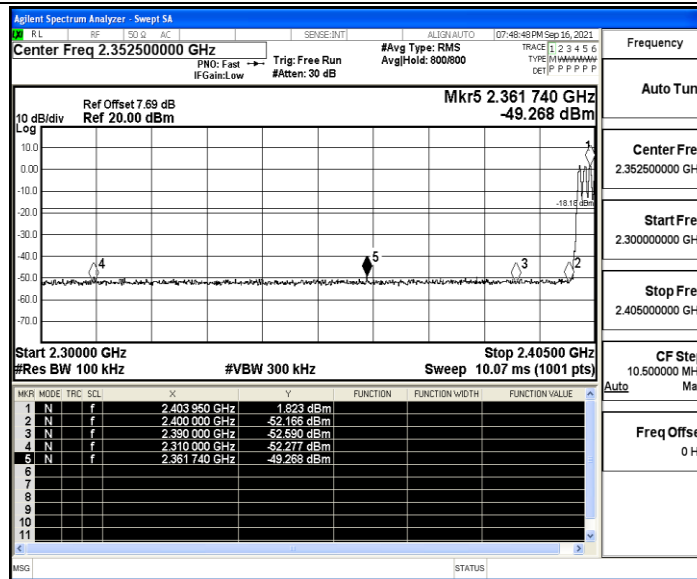
DH5_Ant1_Low_2402



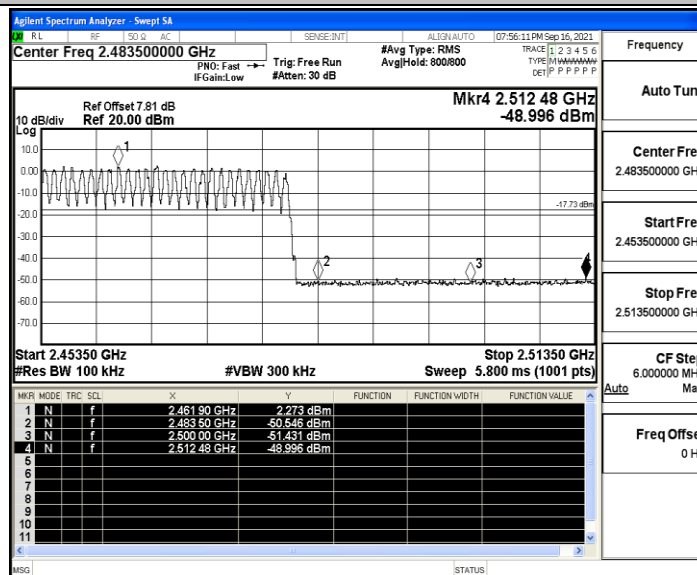
DH5_Ant1_High_2480



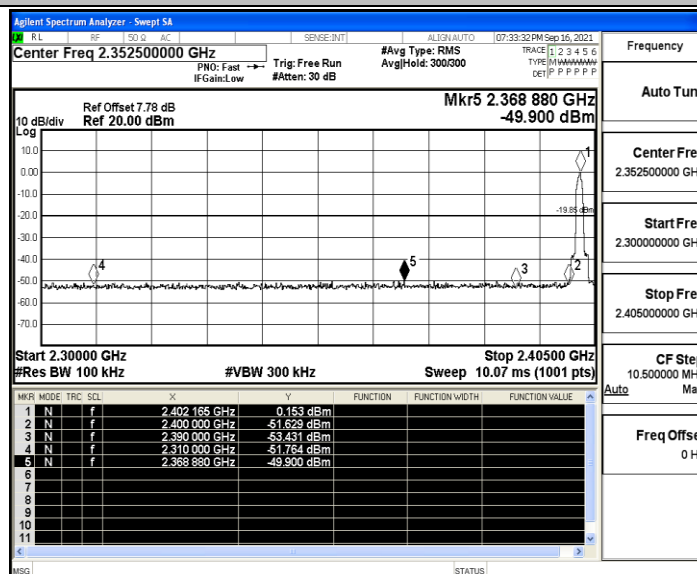
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

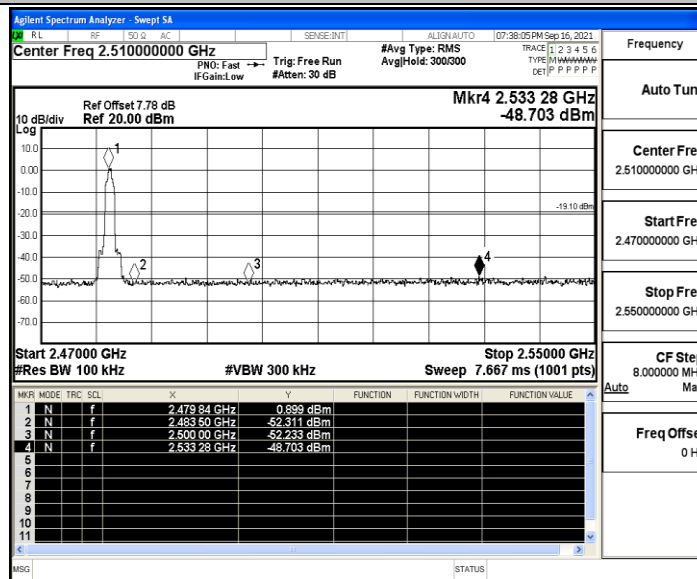


2DH5_Ant1_Low_2402

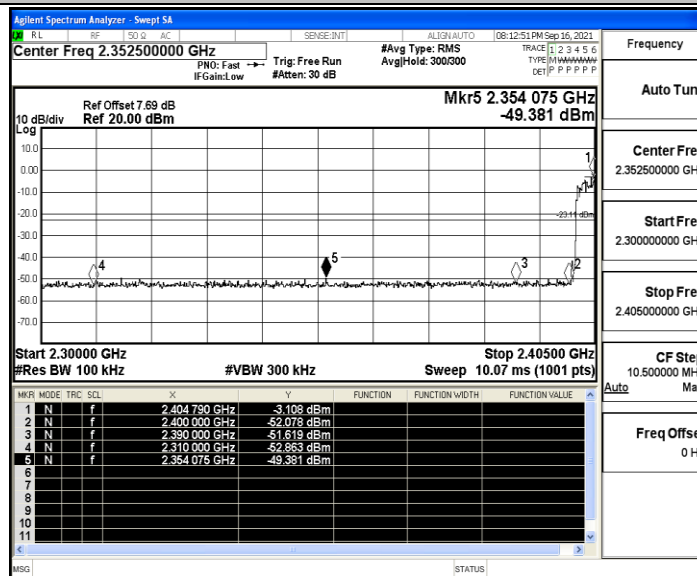




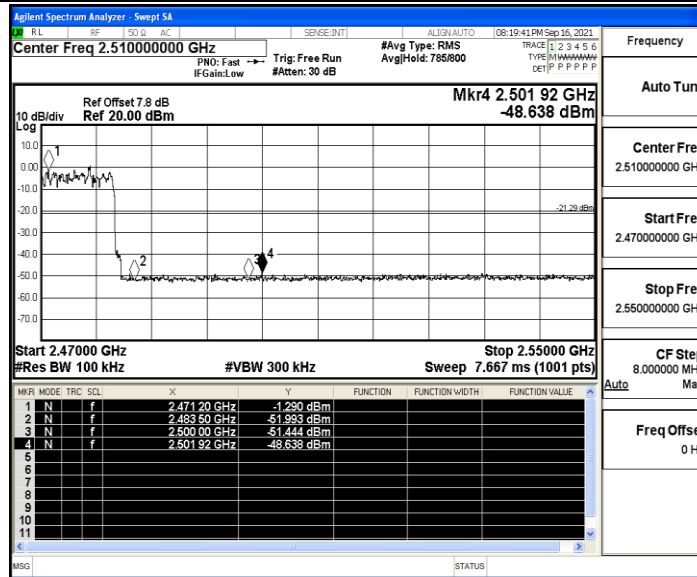
2DH5_Ant1_High_2480



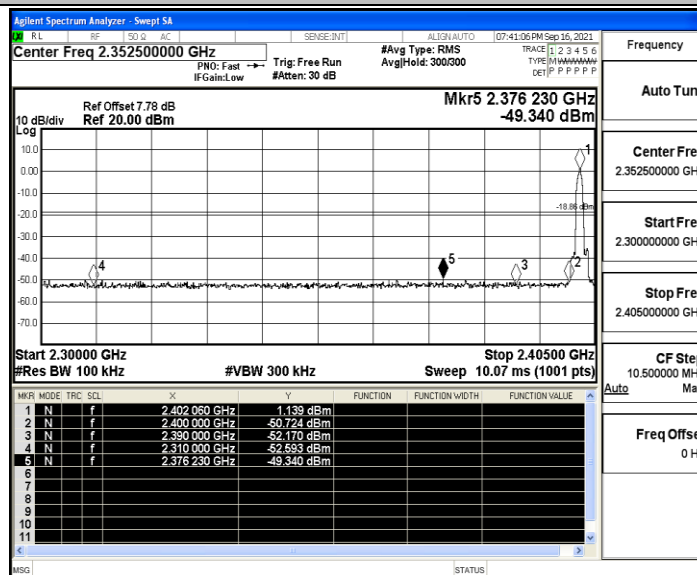
2DH5_Ant1_Low_Hop_2402



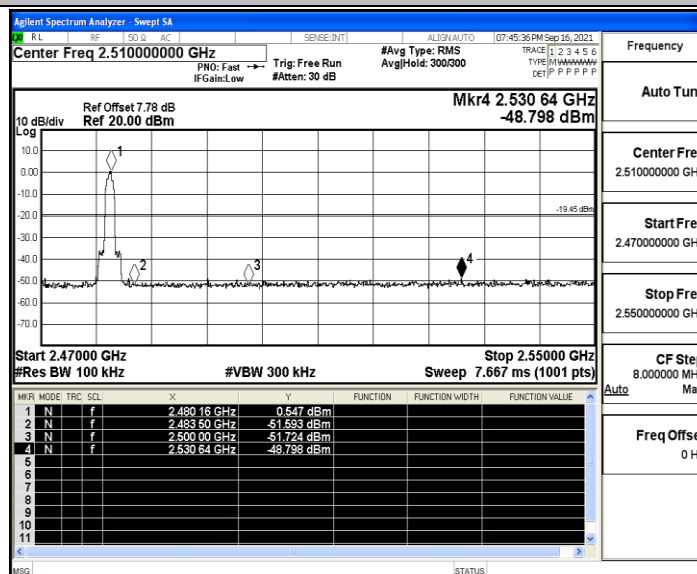
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

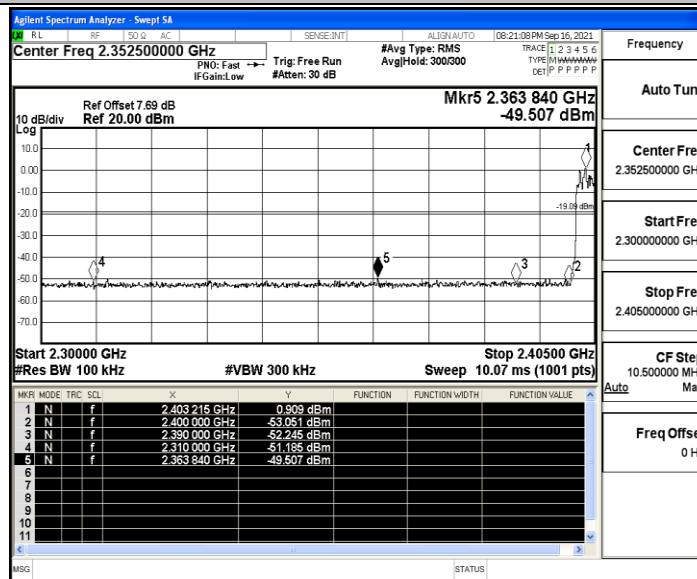


3DH5_Ant1_High_2480

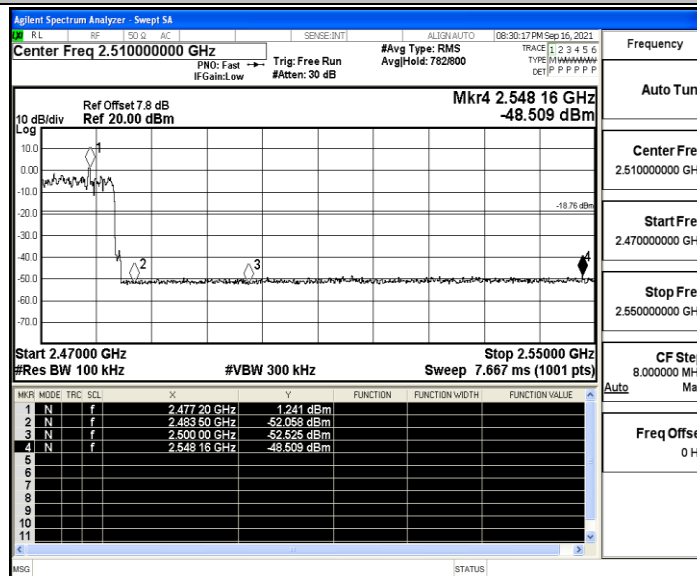




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

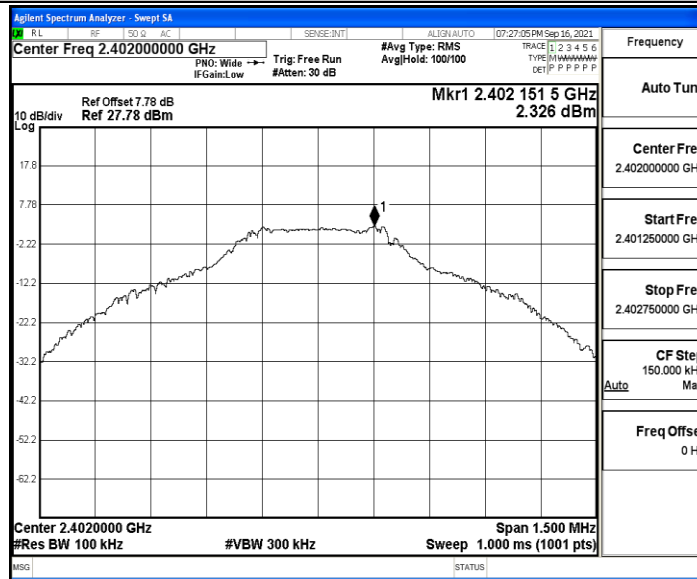
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.33	2.33	---	PASS
			30~1000	2.33	-61.17	≤-17.67	PASS
			1000~26500	2.33	-47.52	≤-17.67	PASS
		2441	Reference	3.18	3.18	---	PASS
			30~1000	3.18	-61.91	≤-16.83	PASS
			1000~26500	3.18	-47.5	≤-16.83	PASS
		2480	Reference	1.60	1.60	---	PASS
			30~1000	1.60	-62.01	≤-18.4	PASS
			1000~26500	1.60	-47.68	≤-18.4	PASS
2DH5	Ant1	2402	Reference	0.49	0.49	---	PASS
			30~1000	0.49	-61.82	≤-19.51	PASS
			1000~26500	0.49	-47.51	≤-19.51	PASS
		2441	Reference	1.43	1.43	---	PASS
			30~1000	1.43	-51.49	≤-18.57	PASS
			1000~26500	1.43	-47.06	≤-18.57	PASS
		2480	Reference	0.57	0.57	---	PASS
			30~1000	0.57	-50.3	≤-19.43	PASS
			1000~26500	0.57	-47.84	≤-19.43	PASS
3DH5	Ant1	2402	Reference	1.02	1.02	---	PASS
			30~1000	1.02	-57.9	≤-18.98	PASS
			1000~26500	1.02	-47.5	≤-18.98	PASS
		2441	Reference	-1.19	-1.19	---	PASS
			30~1000	-1.19	-53.65	≤-21.19	PASS
			1000~26500	-1.19	-46.89	≤-21.19	PASS
		2480	Reference	-0.10	-0.10	---	PASS
			30~1000	-0.10	-53.71	≤-20.1	PASS
			1000~26500	-0.10	-47.49	≤-20.1	PASS

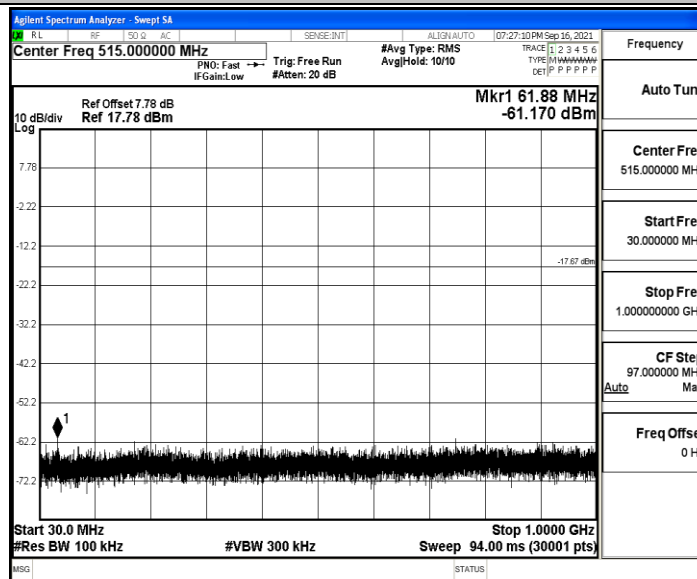


Test Graphs

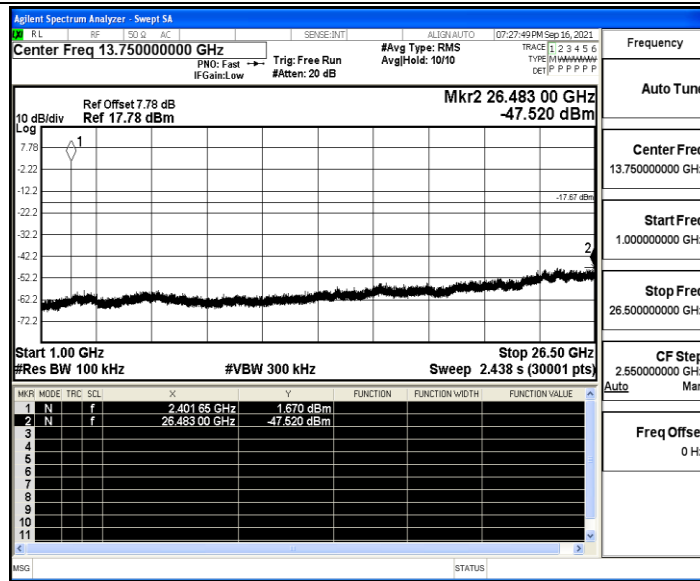
DH5_Ant1_2402_0~Reference



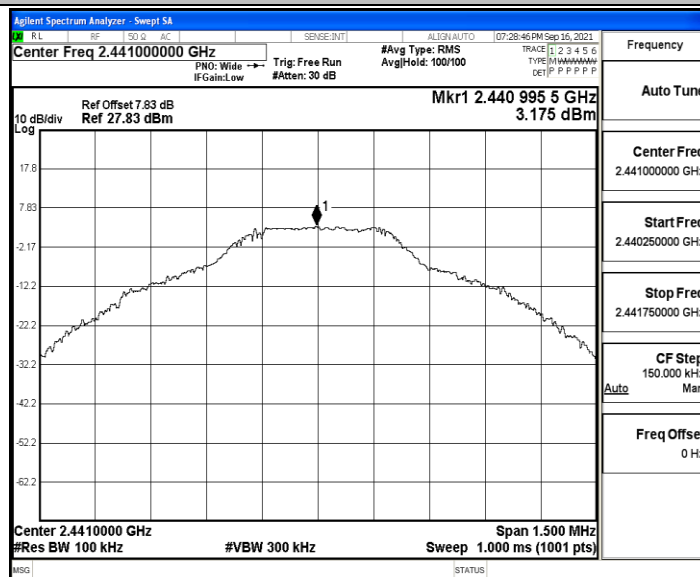
DH5_Ant1_2402_30~1000



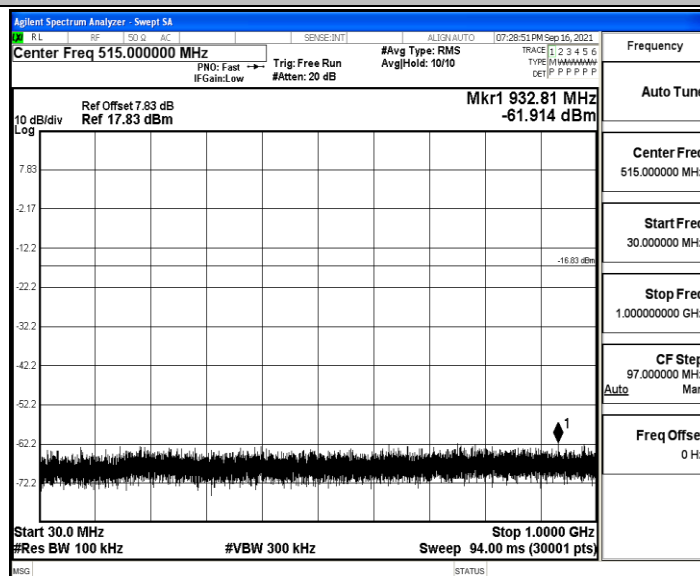
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0-Reference

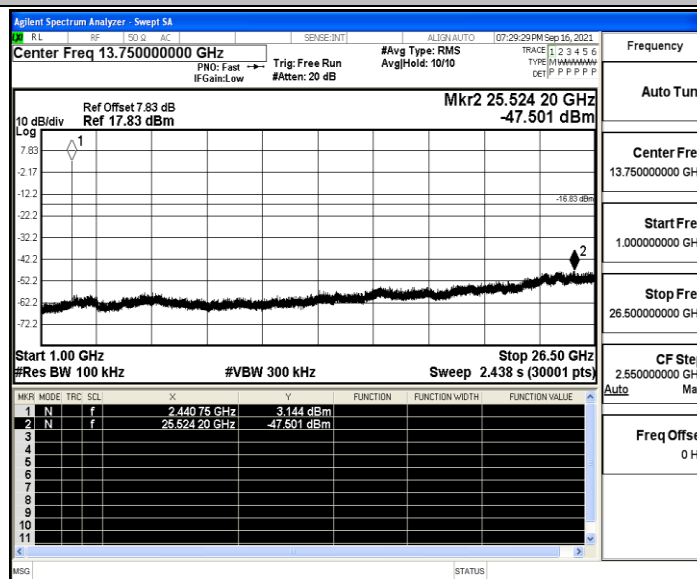


DH5_Ant1_2441_30~1000

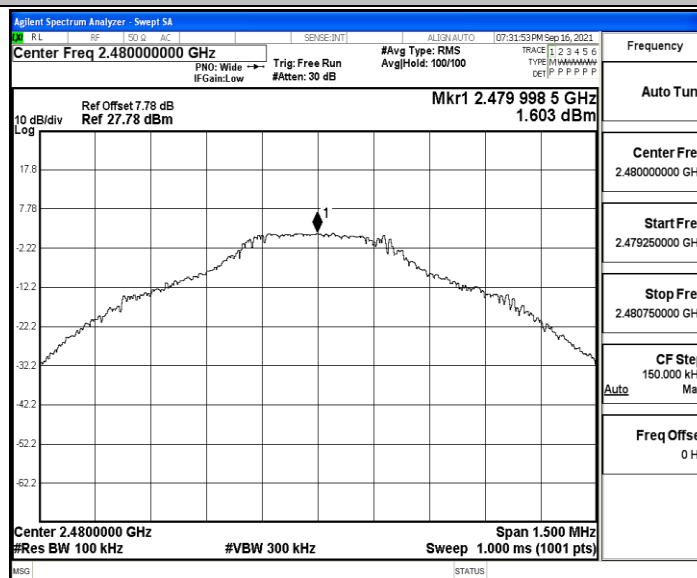




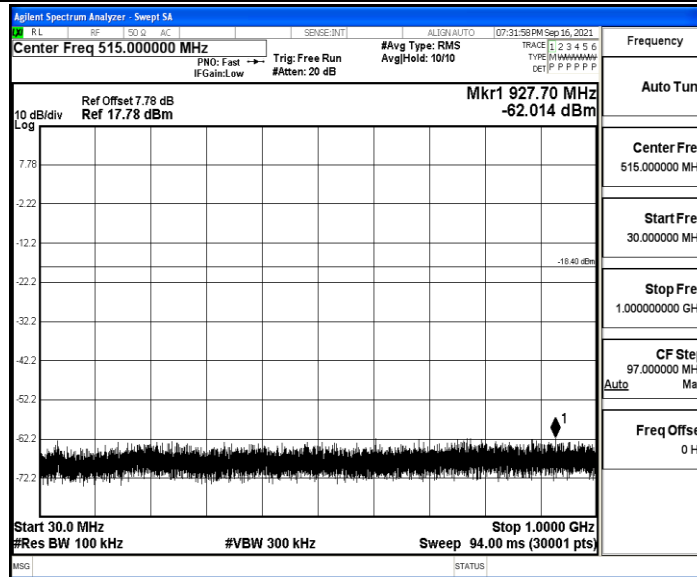
DH5_Ant1_2441_1000~26500



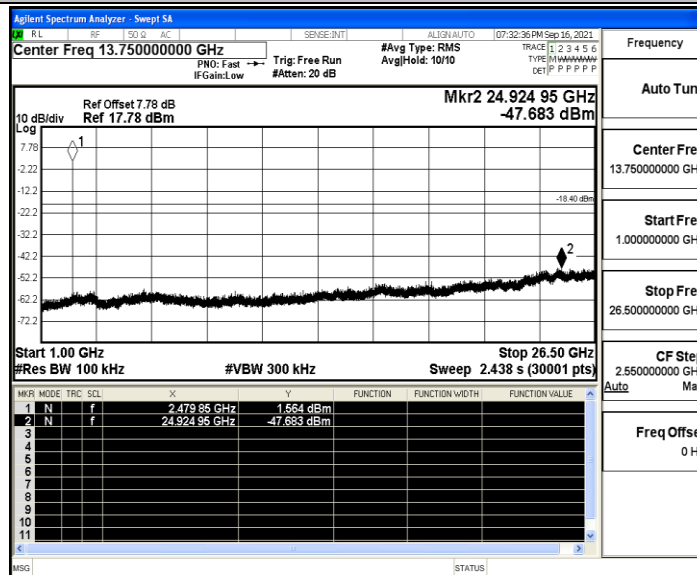
DH5_Ant1_2480_0~Reference



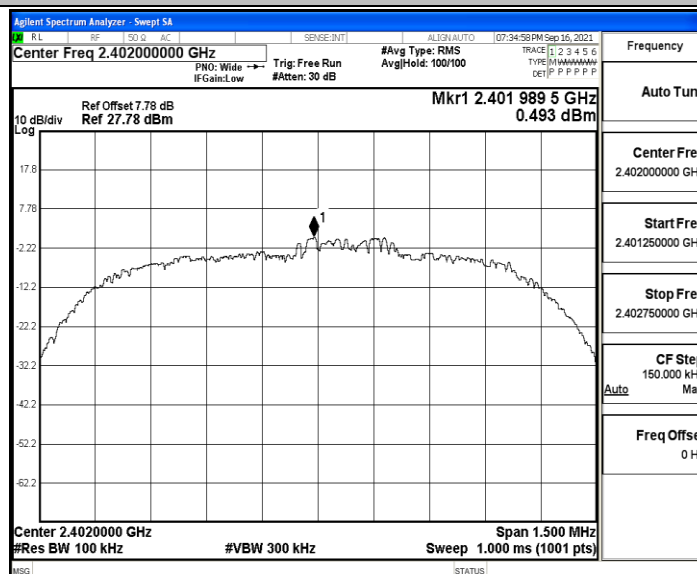
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

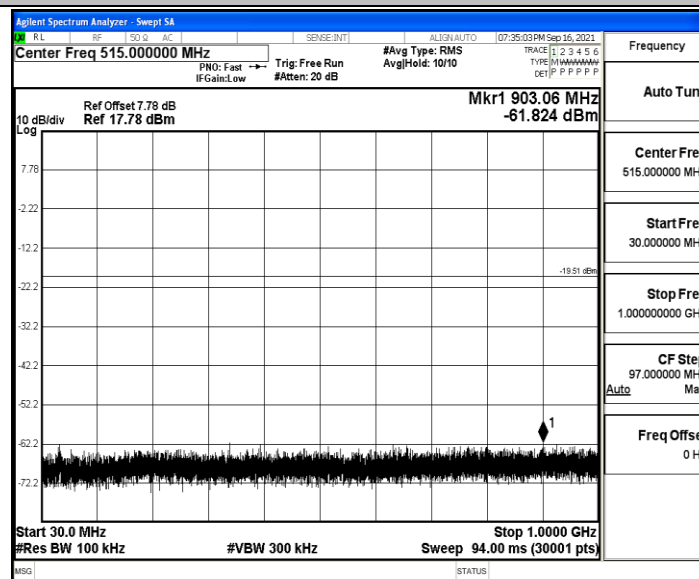


2DH5_Ant1_2402_0~Reference

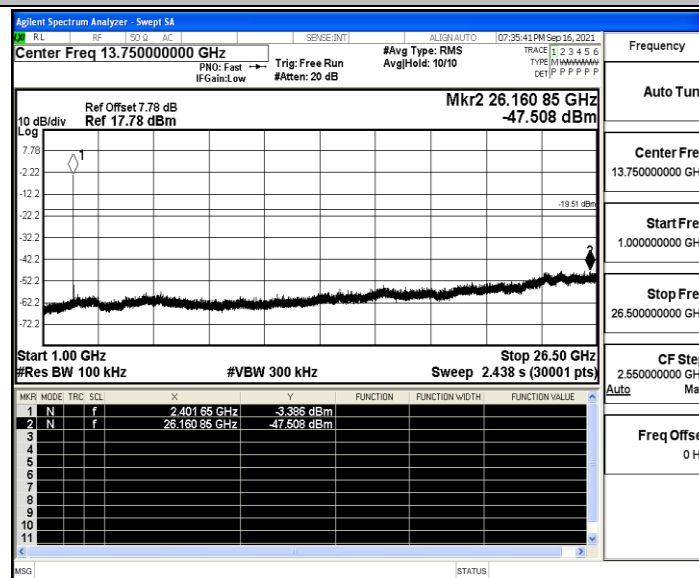




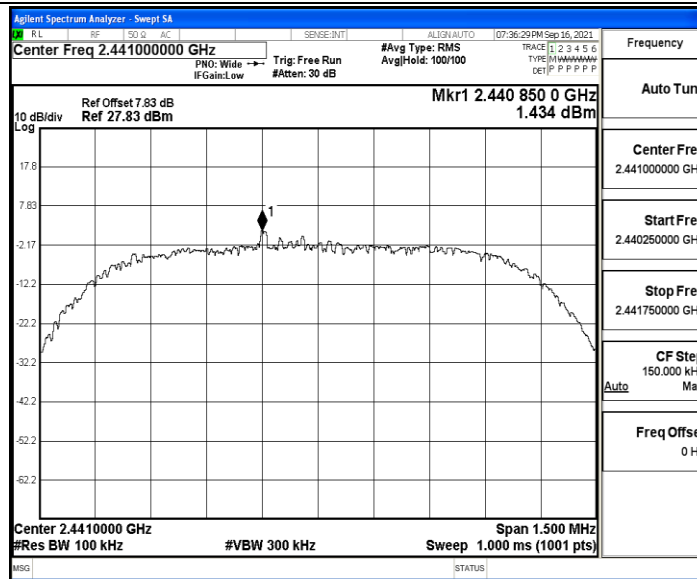
2DH5_Ant1_2402_30~1000



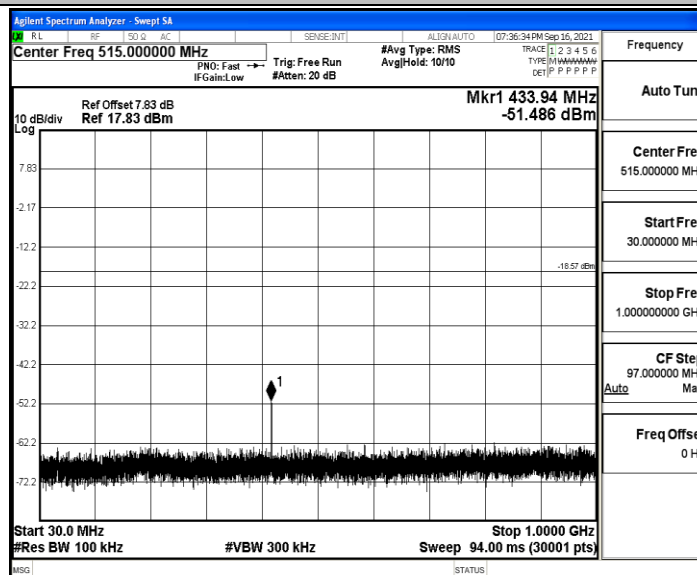
2DH5_Ant1_2402_1000~26500



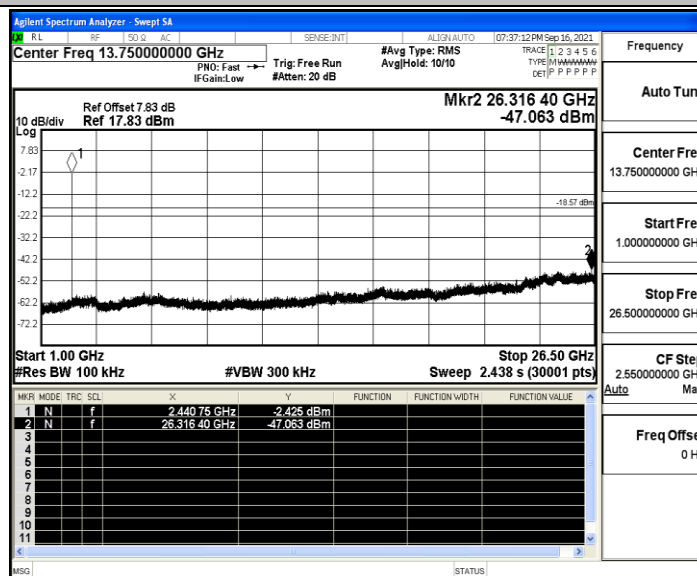
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

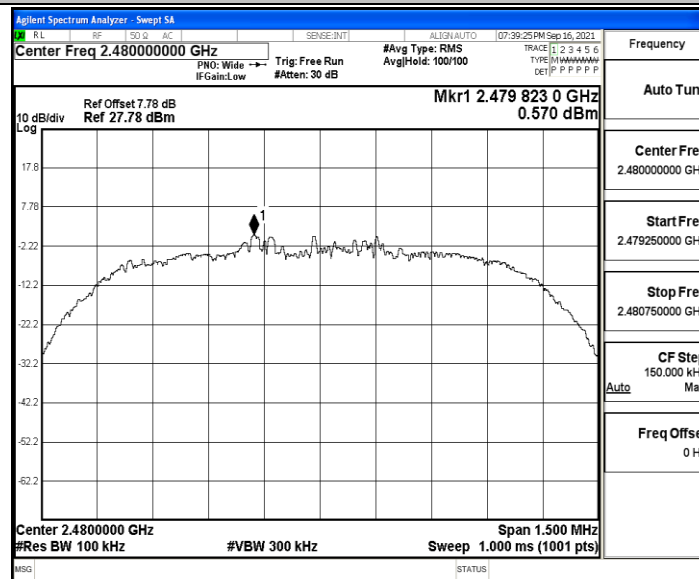


2DH5_Ant1_2441_1000~26500

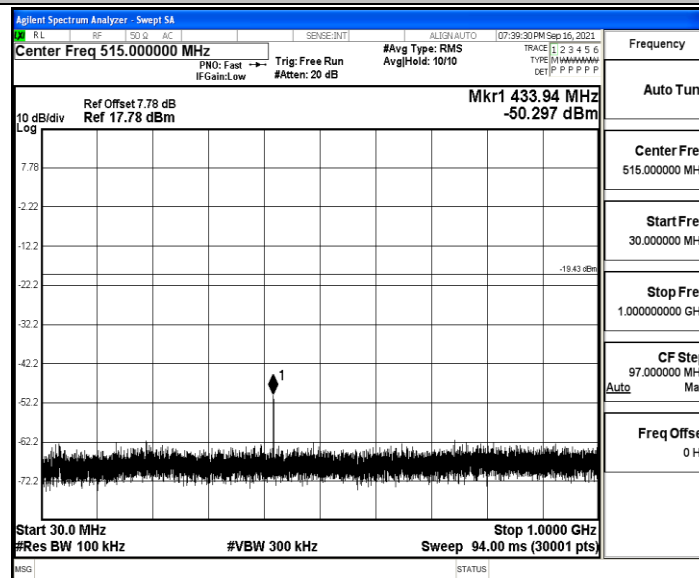




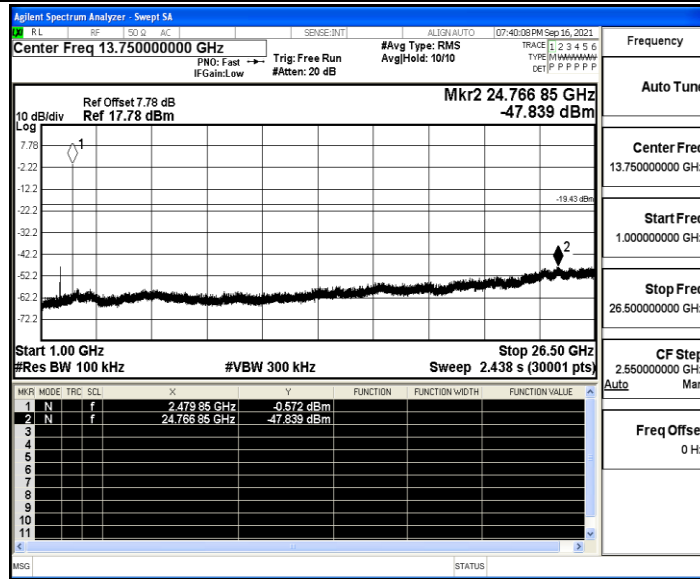
2DH5_Ant1_2480_0~Reference



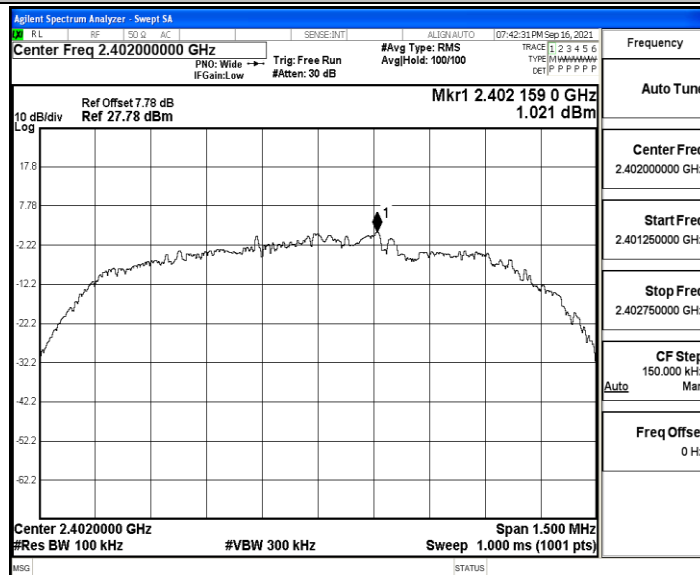
2DH5_Ant1_2480_30~1000



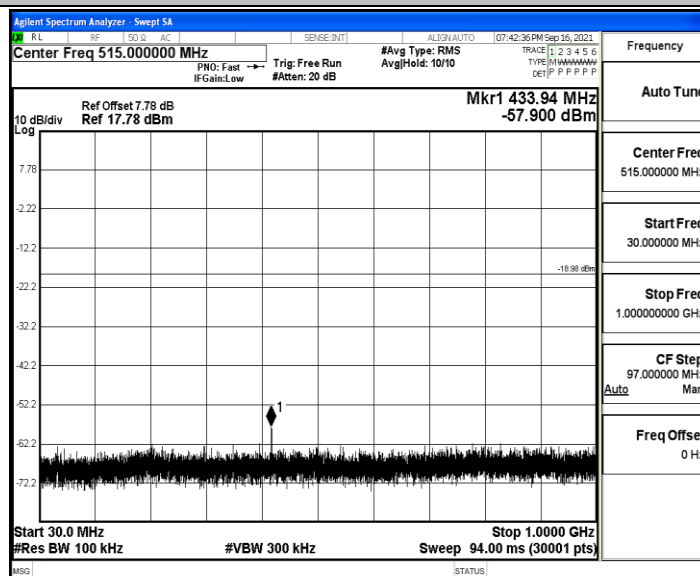
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

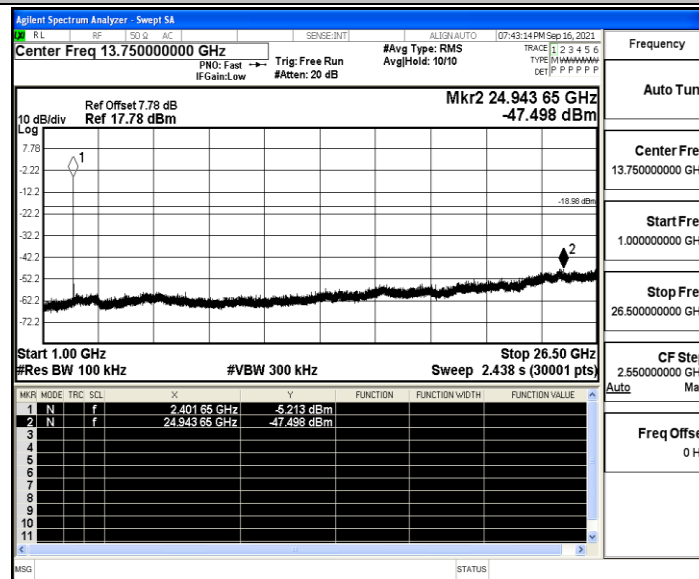


3DH5_Ant1_2402_30~1000

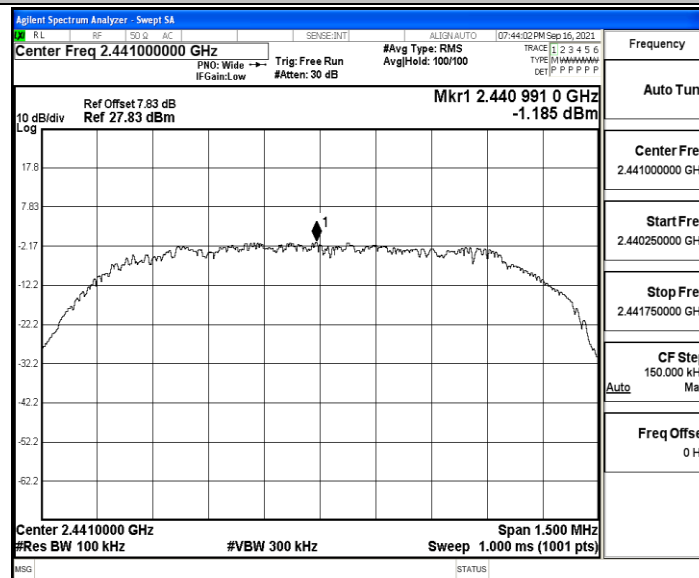




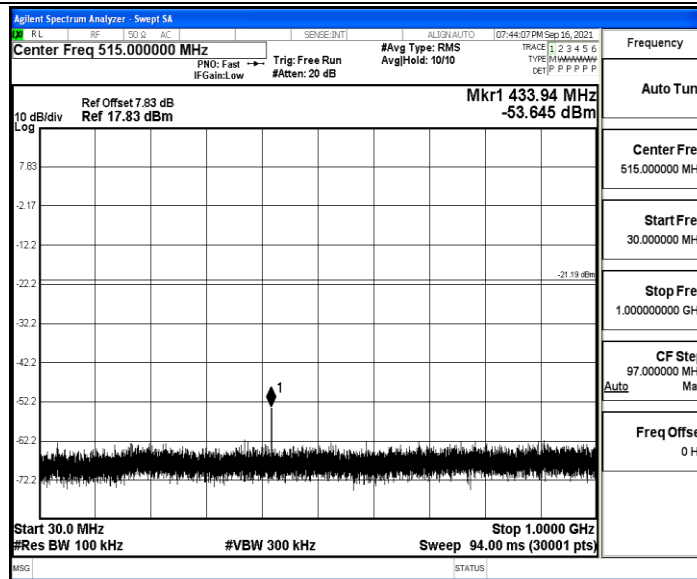
3DH5_Ant1_2402_1000~26500



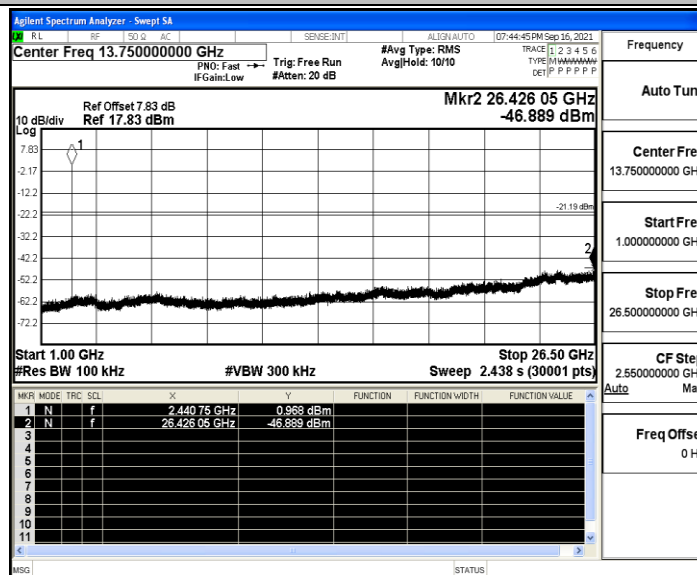
3DH5_Ant1_2441_0~Reference



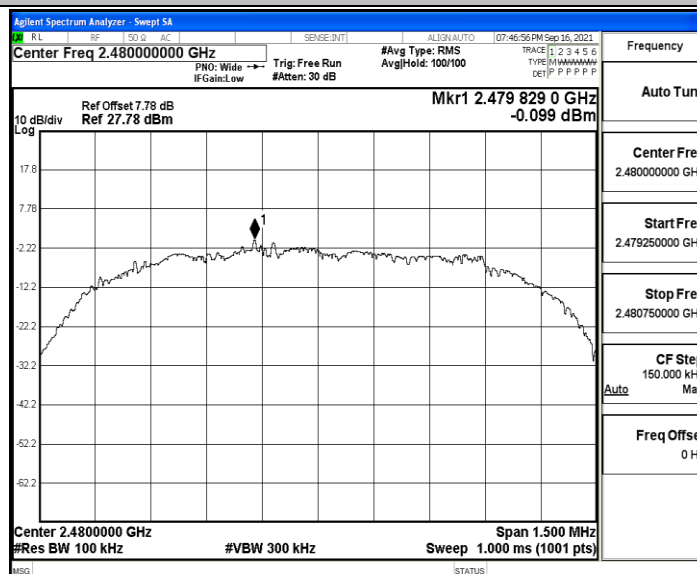
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

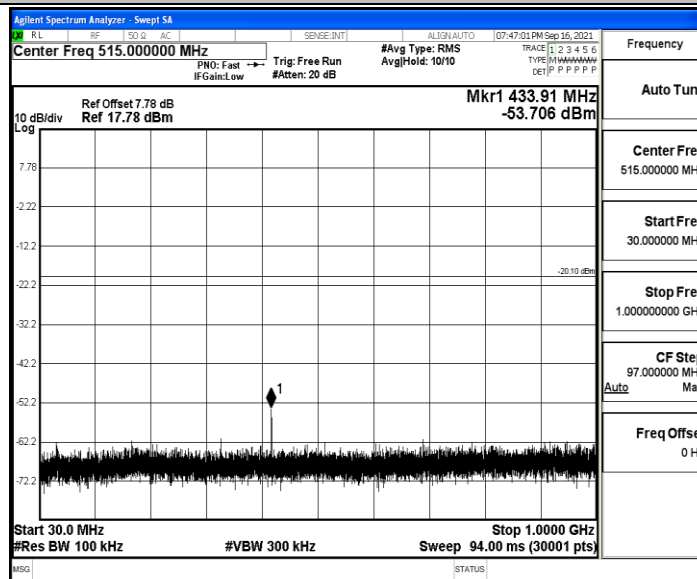


3DH5_Ant1_2480_0~Reference

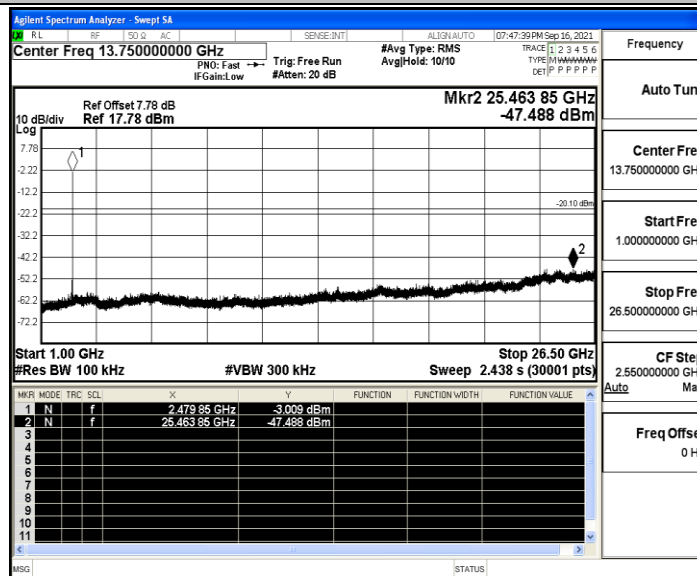




3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500





A.8 Emissions in Restricted Bands

Test Result

Test Mode	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	2402	AV	2310.000	-49.07	≤-41.20	46.13	≤54	PASS
		AV	2387.990	-48.52	≤-41.20	46.68	≤54	PASS
		AV	2390.000	-48.69	≤-41.20	46.51	≤54	PASS
		Peak	2310.000	-43.52	≤-21.20	51.68	≤74	PASS
		Peak	2321.735	-38.73	≤-21.20	56.47	≤74	PASS
		Peak	2390.000	-42.95	≤-21.20	52.25	≤74	PASS
	2480	AV	2483.500	-47.84	≤-41.20	47.36	≤54	PASS
		AV	2483.520	-47.84	≤-41.20	47.36	≤54	PASS
		AV	2500.000	-48.18	≤-41.20	47.02	≤54	PASS
		Peak	2483.500	-40.95	≤-21.20	54.25	≤74	PASS
		Peak	2488.640	-37.5	≤-21.20	57.70	≤74	PASS
		Peak	2500.000	-40.7	≤-21.20	54.50	≤74	PASS
	Hop_2402	Peak	2310.000	-42.3	≤-21.20	52.90	≤74	PASS
		Peak	2387.675	-38.7	≤-21.20	56.50	≤74	PASS
		Peak	2390.000	-42.05	≤-21.20	53.15	≤74	PASS
	Hop_2480	Peak	2483.500	-41.23	≤-21.20	53.97	≤74	PASS
		Peak	2484.480	-38.55	≤-21.20	56.65	≤74	PASS
		Peak	2500.000	-41.09	≤-21.20	54.11	≤74	PASS
2DH5	2402	AV	2310.000	-49.05	≤-41.20	46.15	≤54	PASS
		AV	2388.200	-48.53	≤-41.20	46.67	≤54	PASS
		AV	2390.000	-48.7	≤-41.20	46.50	≤54	PASS
		Peak	2310.000	-42.35	≤-21.20	52.85	≤74	PASS
		Peak	2368.145	-38.31	≤-21.20	56.89	≤74	PASS
		Peak	2390.000	-41.72	≤-21.20	53.48	≤74	PASS
	2480	AV	2483.500	-47.64	≤-41.20	47.56	≤54	PASS
		AV	2483.520	-47.64	≤-41.20	47.56	≤54	PASS
		AV	2500.000	-48.14	≤-41.20	47.06	≤54	PASS
		Peak	2483.500	-41.64	≤-21.20	53.56	≤74	PASS
		Peak	2498.480	-37.8	≤-21.20	57.40	≤74	PASS
		Peak	2500.000	-40.45	≤-21.20	54.75	≤74	PASS
	Hop_2402	Peak	2310.000	-41.35	≤-21.20	53.85	≤74	PASS
		Peak	2314.385	-39.21	≤-21.20	55.99	≤74	PASS
		Peak	2390.000	-42.38	≤-21.20	52.82	≤74	PASS



3DH5	Hop_2480	Peak	2483.500	-41.4	≤ -21.20	53.80	≤ 74	PASS
		Peak	2498.080	-38.3	≤ -21.20	56.90	≤ 74	PASS
		Peak	2500.000	-40.81	≤ -21.20	54.39	≤ 74	PASS
	2402	AV	2310.000	-49.08	≤ -41.20	46.12	≤ 54	PASS
		AV	2389.880	-48.51	≤ -41.20	46.69	≤ 54	PASS
		AV	2390.000	-48.58	≤ -41.20	46.62	≤ 54	PASS
		Peak	2310.000	-43.35	≤ -21.20	51.85	≤ 74	PASS
		Peak	2323.205	-39.04	≤ -21.20	56.16	≤ 74	PASS
		Peak	2390.000	-41.44	≤ -21.20	53.76	≤ 74	PASS
	2480	AV	2483.500	-47.76	≤ -41.20	47.44	≤ 54	PASS
		AV	2483.520	-47.76	≤ -41.20	47.44	≤ 54	PASS
		AV	2500.000	-48.02	≤ -41.20	47.18	≤ 54	PASS
		Peak	2483.500	-39.36	≤ -21.20	55.84	≤ 74	PASS
		Peak	2491.680	-38.03	≤ -21.20	57.17	≤ 74	PASS
		Peak	2500.000	-40.36	≤ -21.20	54.84	≤ 74	PASS
	Hop_2402	Peak	2310.000	-42.84	≤ -21.20	52.36	≤ 74	PASS
		Peak	2339.900	-37.78	≤ -21.20	57.42	≤ 74	PASS
		Peak	2390.000	-41.79	≤ -21.20	53.41	≤ 74	PASS
	Hop_2480	Peak	2483.500	-41.08	≤ -21.20	54.12	≤ 74	PASS
		Peak	2490.320	-38.74	≤ -21.20	56.46	≤ 74	PASS
		Peak	2500.000	-41.08	≤ -21.20	54.12	≤ 74	PASS

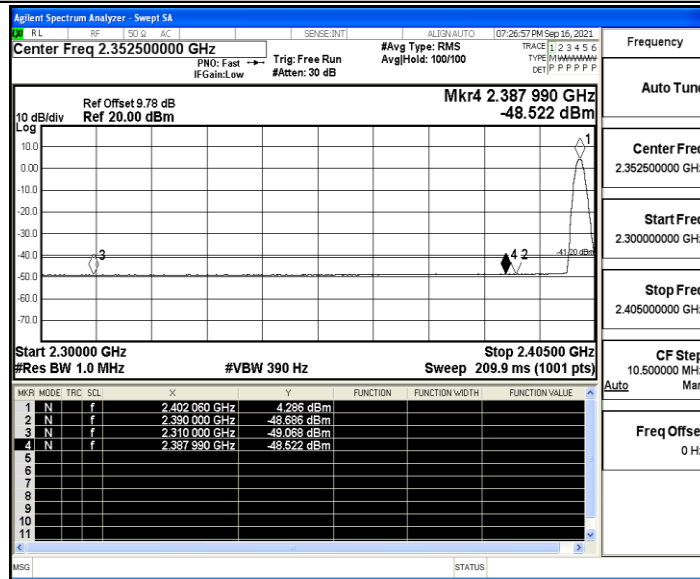
Note:

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.

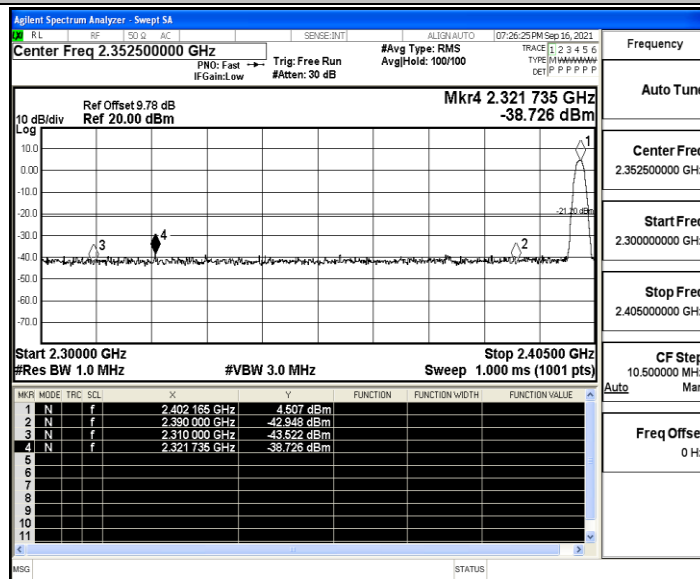


Test Graphs

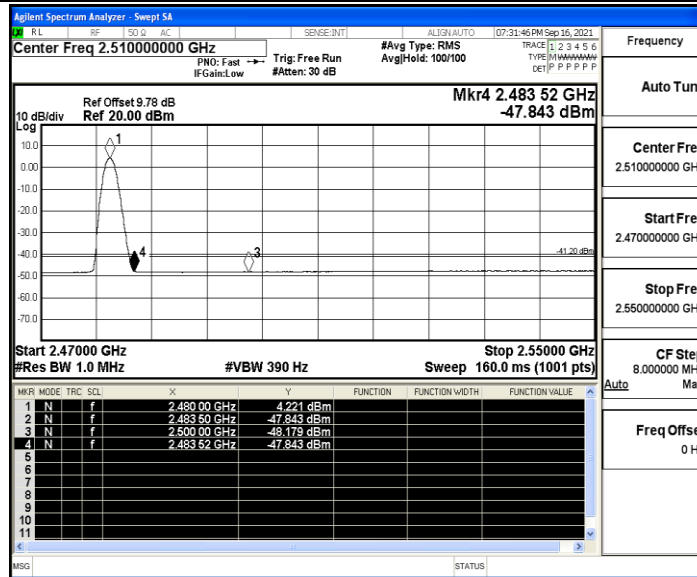
DH5_Ant1_Low_2402_AV



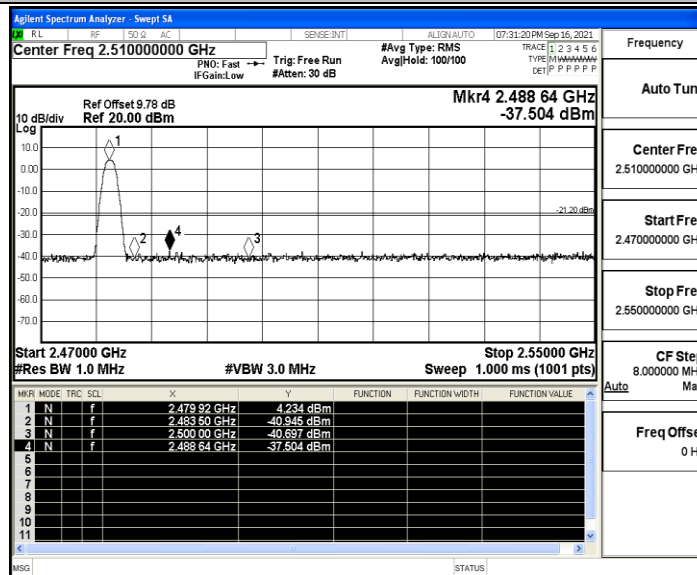
DH5_Ant1_Low_2402_Peak



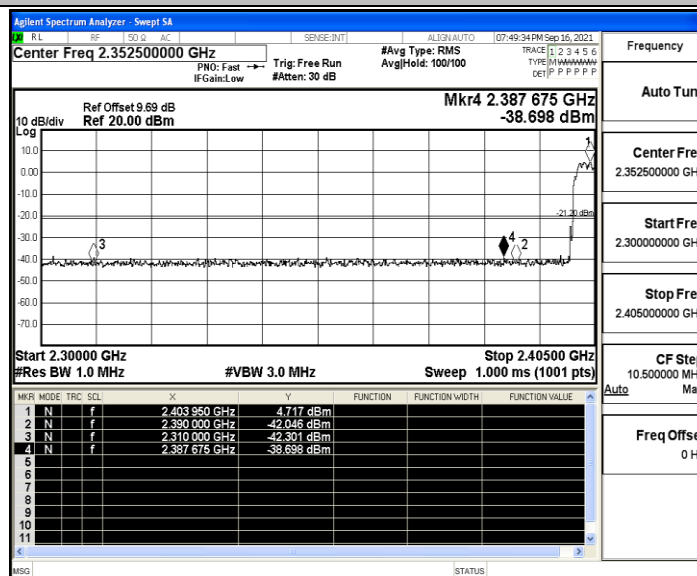
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

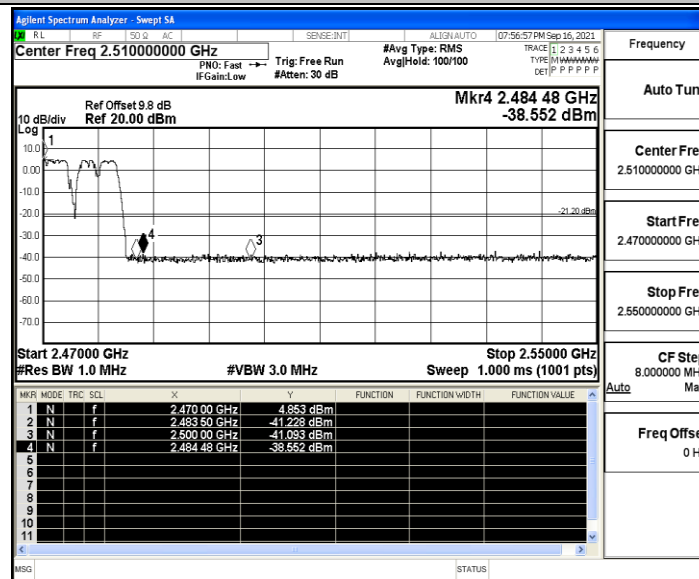


DH5_Ant1_Low_Hop_2402_Peak

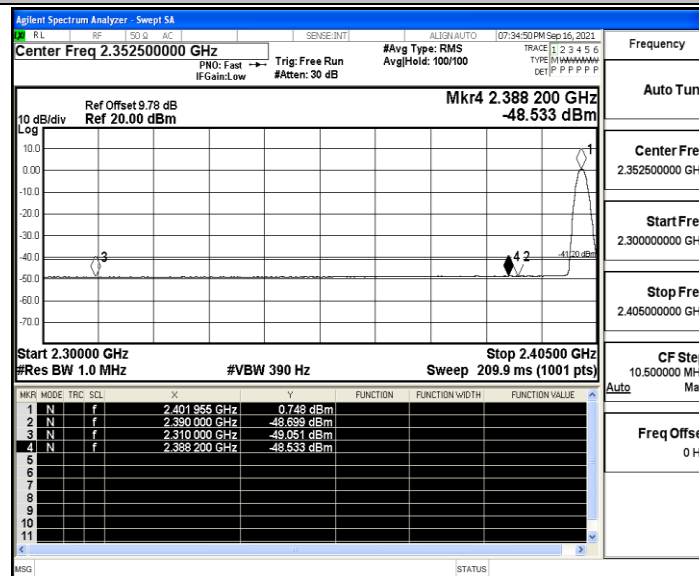




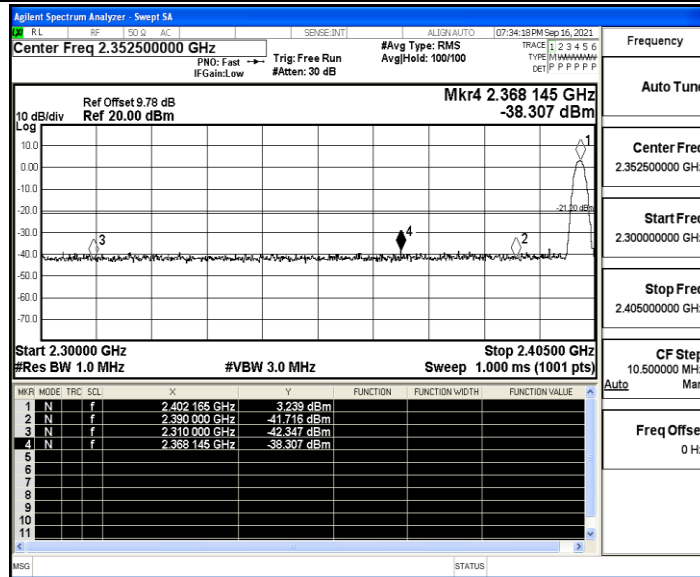
DH5_Ant1_High_Hop_2480_Peak



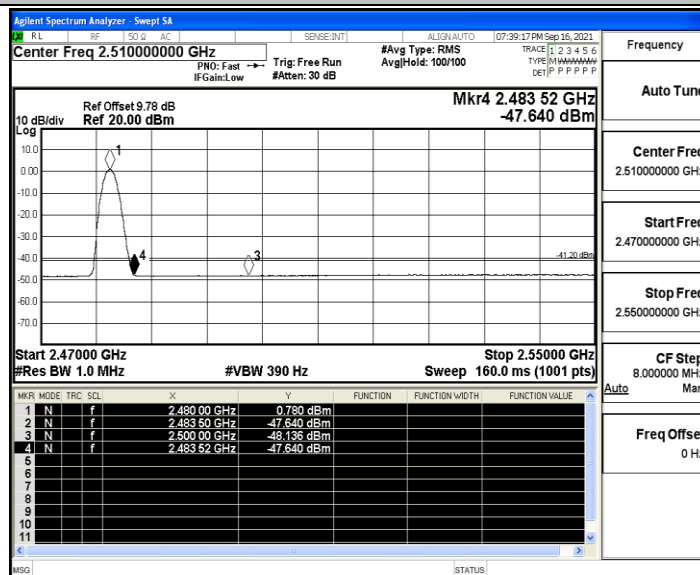
2DH5_Ant1_Low_2402_AV



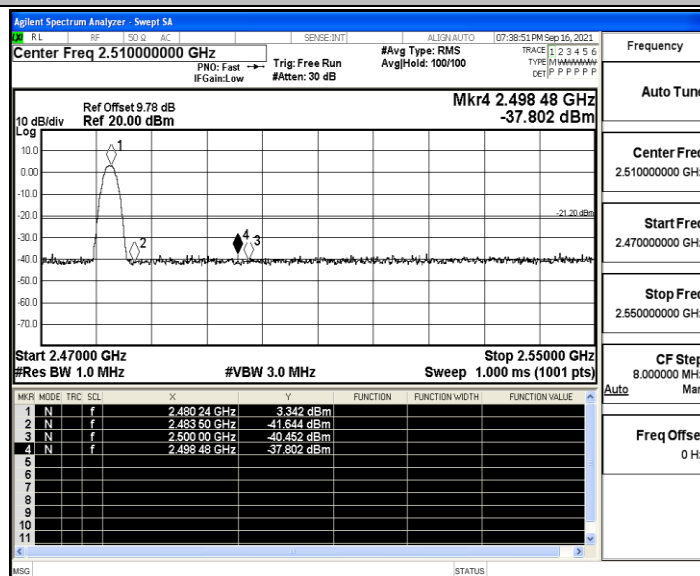
2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV

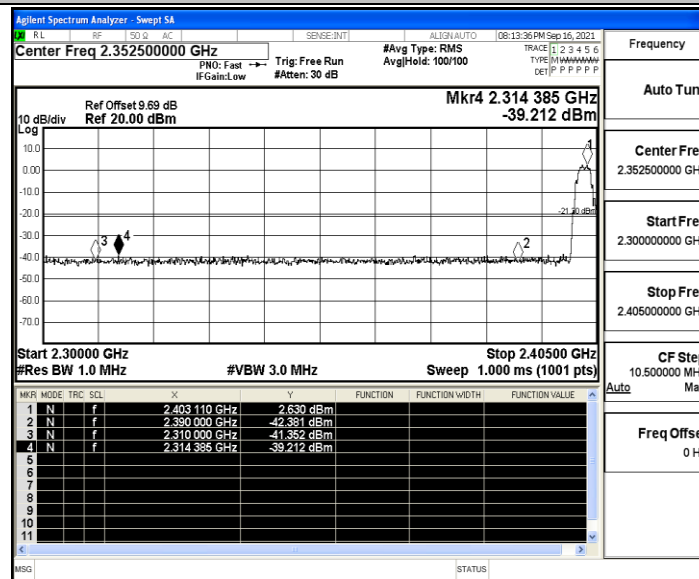


2DH5_Ant1_High_2480_Peak

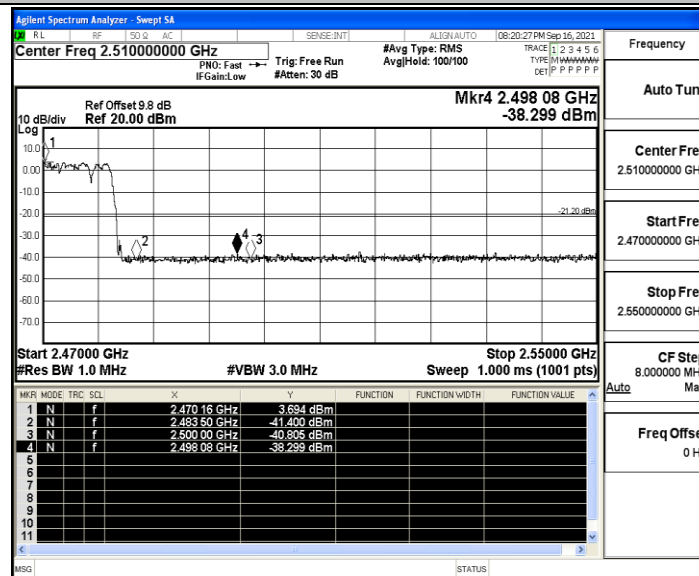




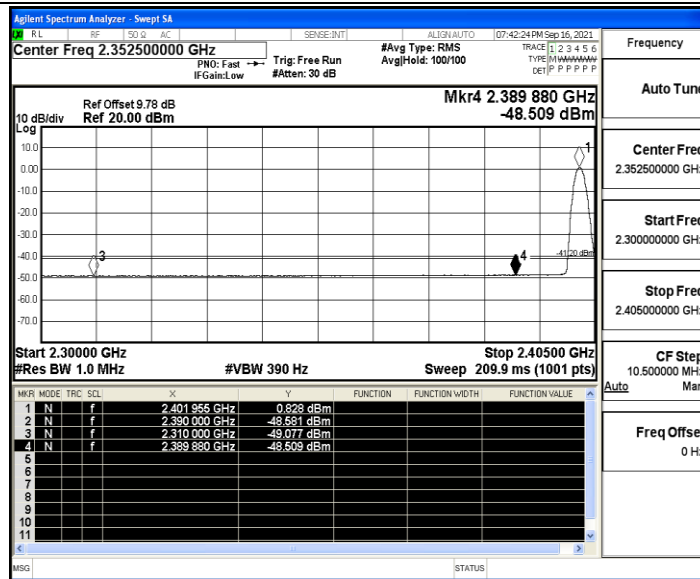
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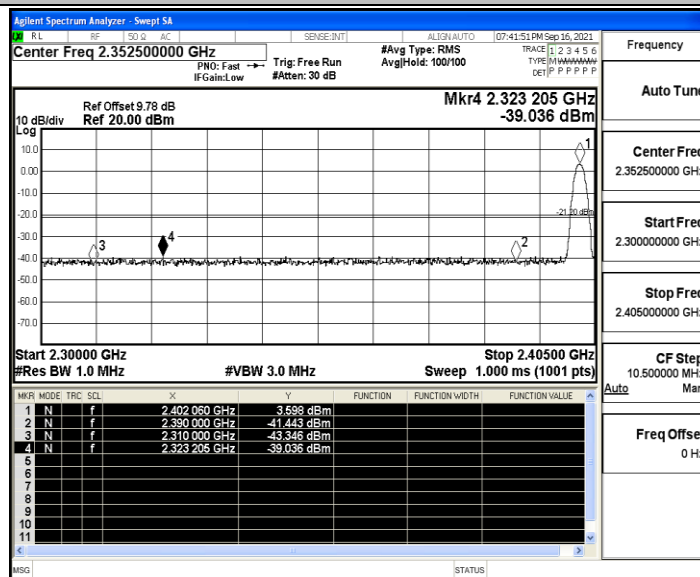
2DH5_Ant1_High_Hop_2480_Peak



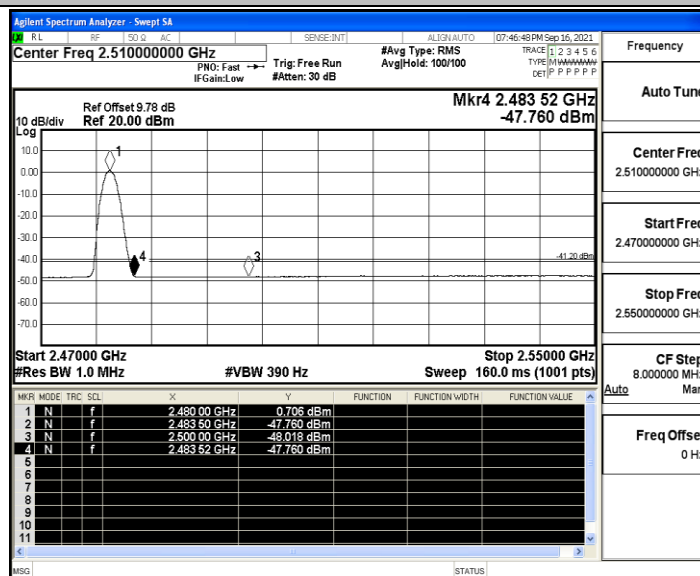
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak

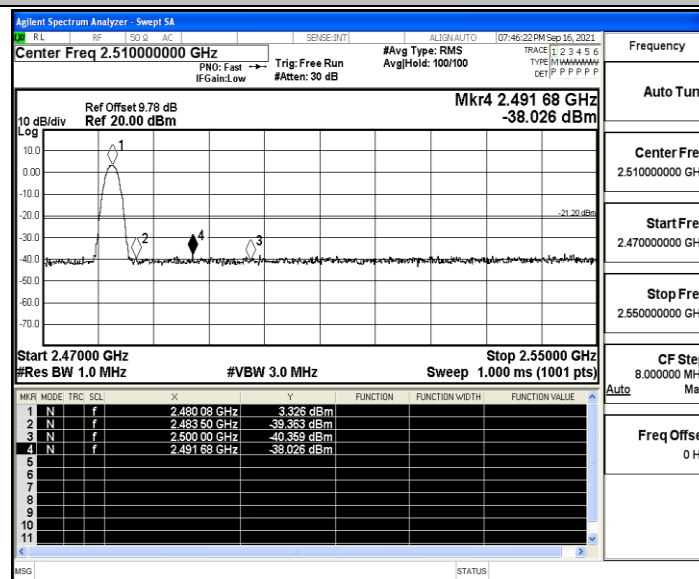


3DH5_Ant1_High_2480_AV

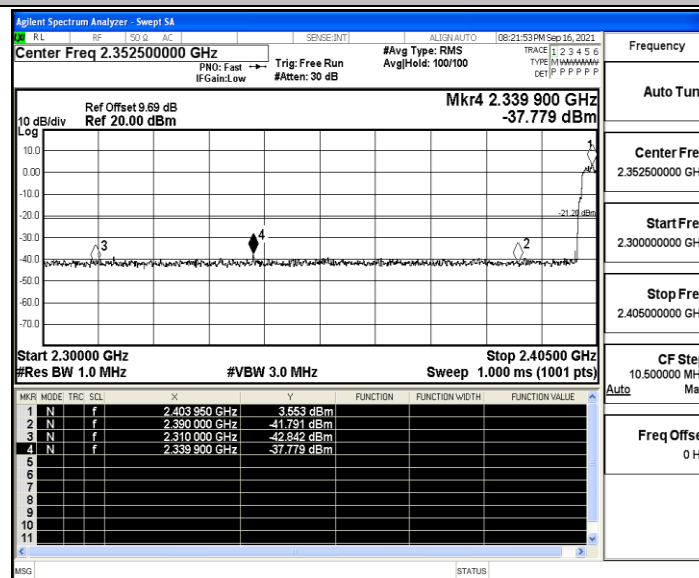




3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

