



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: 7-inch tablet

Test Model: Q8

Environmental Conditions

Temperature:	21.1 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Mark Chen
Supervised by:	Libin



A.1 20dB Emission Bandwidth

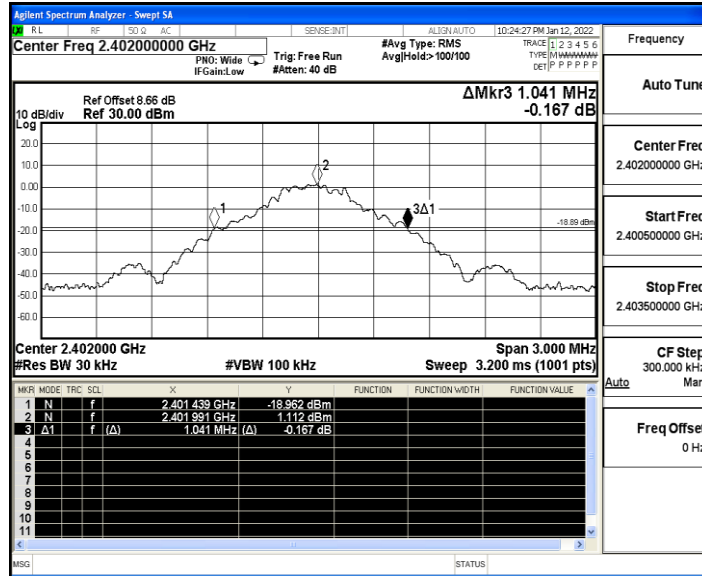
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.041	2401.439	2402.480	---	---
		2441	0.969	2440.505	2441.474	---	---
		2480	1.035	2479.439	2480.474	---	---
2DH5	Ant1	2402	1.320	2401.316	2402.636	---	---
		2441	1.323	2440.313	2441.636	---	---
		2480	1.296	2479.337	2480.633	---	---
3DH5	Ant1	2402	1.296	2401.328	2402.624	---	---
		2441	1.311	2440.322	2441.633	---	---
		2480	1.293	2479.337	2480.630	---	---

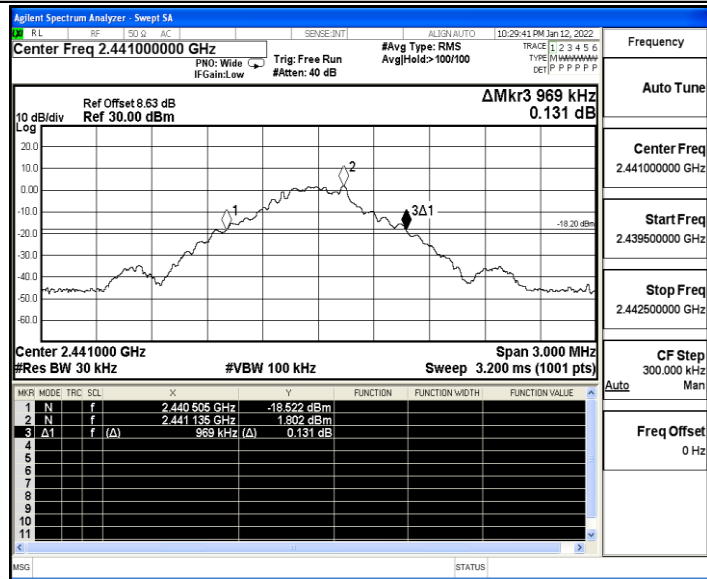


Test Graphs

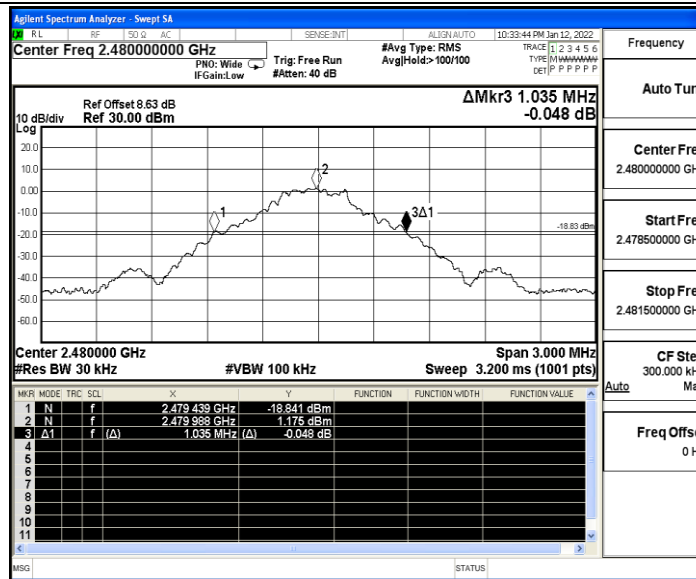
DH5_Ant1_2402



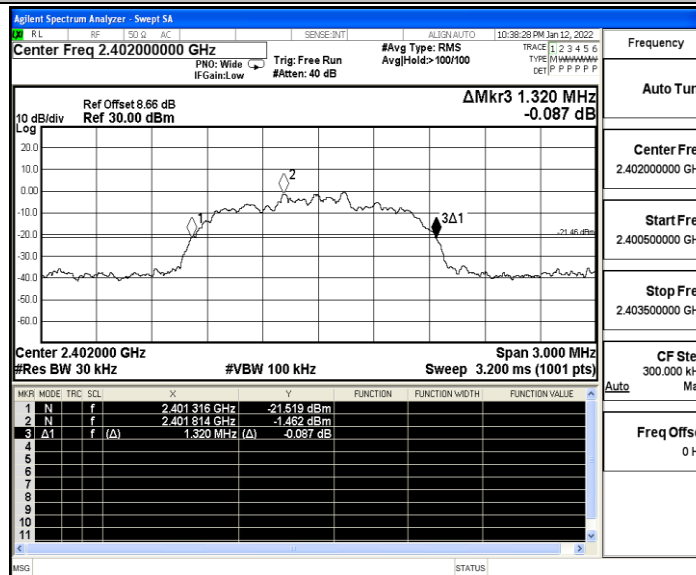
DH5_Ant1_2441



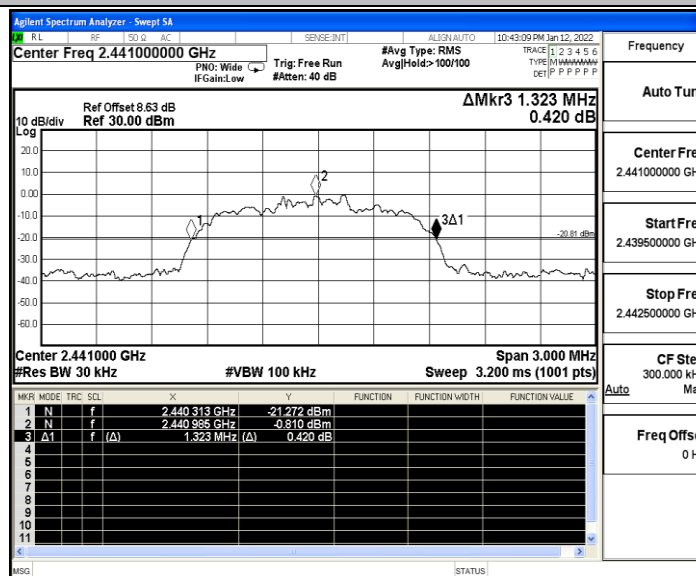
DH5_Ant1_2480



2DH5_Ant1_2402

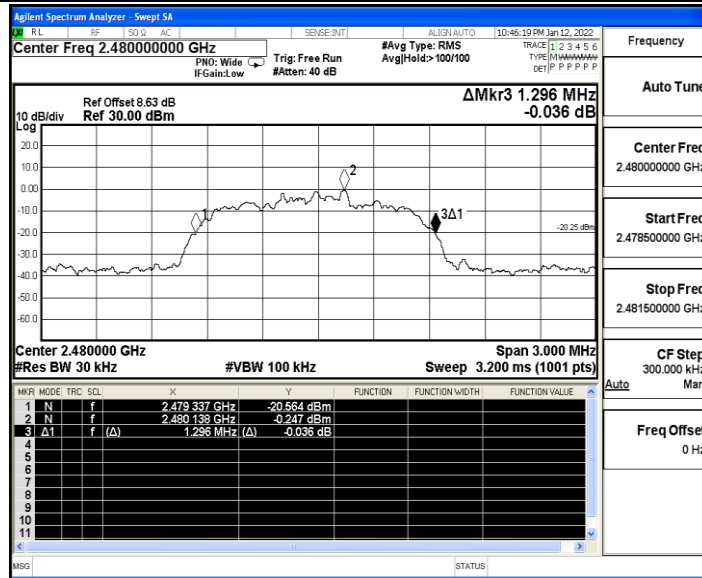


2DH5_Ant1_2441

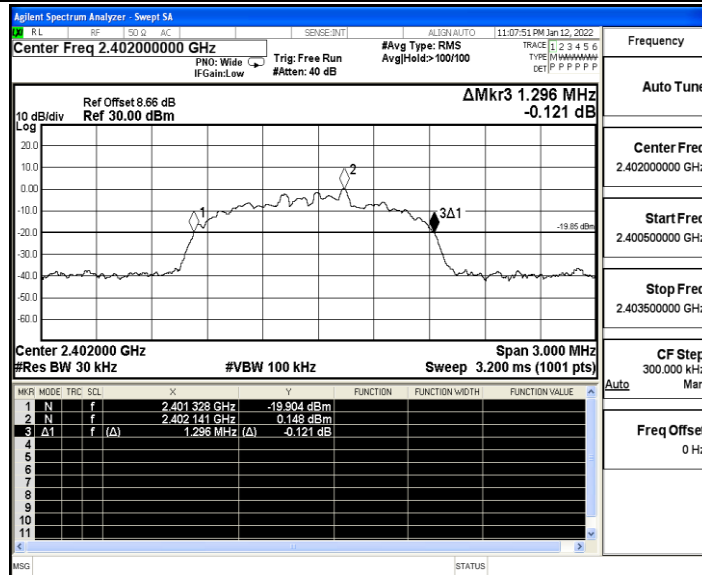




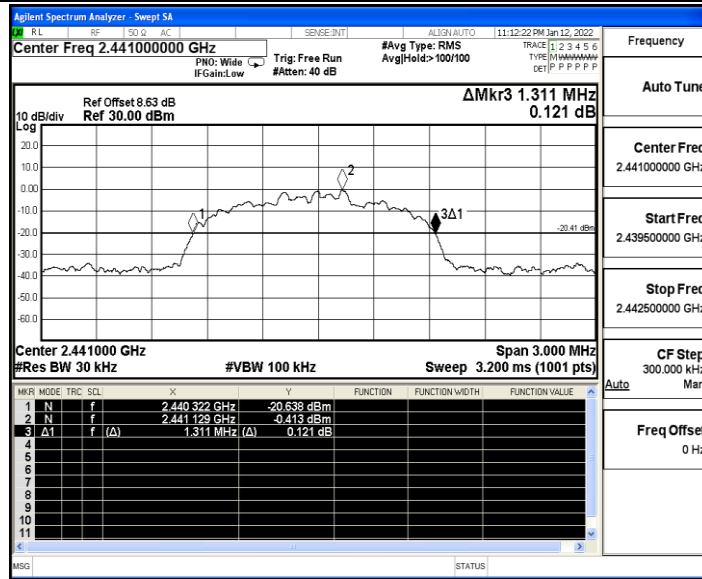
2DH5_Ant1_2480



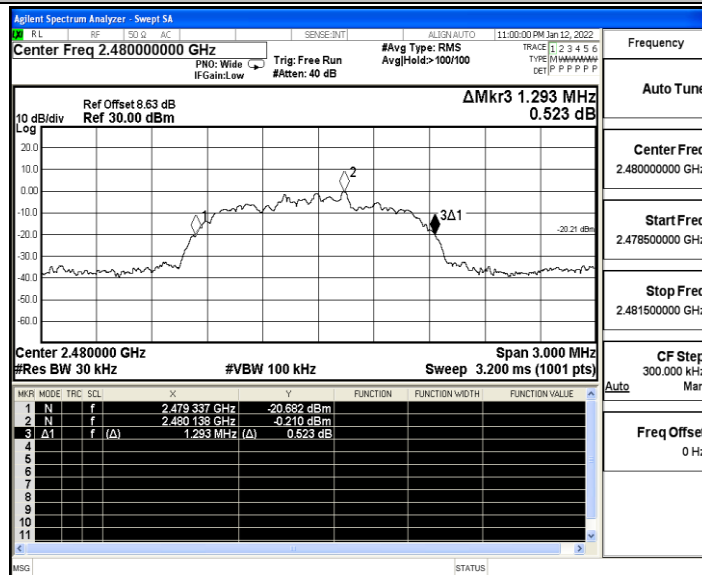
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum conducted output power

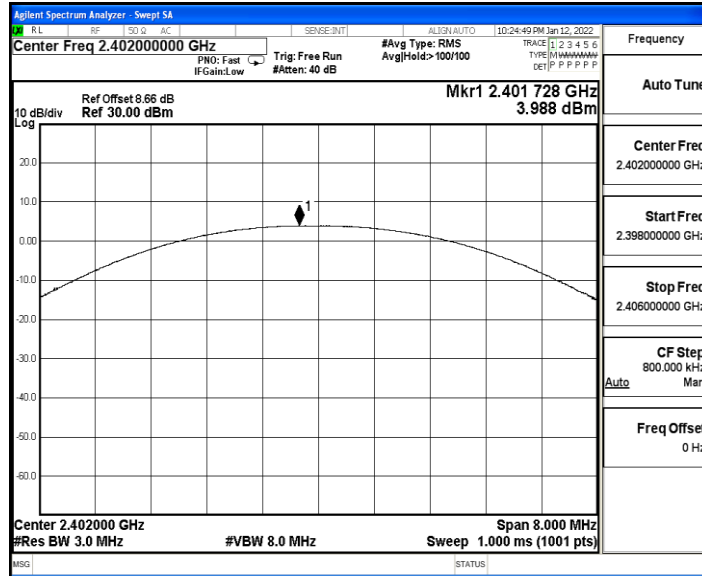
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.99	≤20.97	PASS
		2441	4.24	≤20.97	PASS
		2480	4.03	≤20.97	PASS
2DH5	Ant1	2402	3.77	≤20.97	PASS
		2441	3.82	≤20.97	PASS
		2480	3.53	≤20.97	PASS
3DH5	Ant1	2402	3.6	≤20.97	PASS
		2441	4.08	≤20.97	PASS
		2480	3.45	≤20.97	PASS

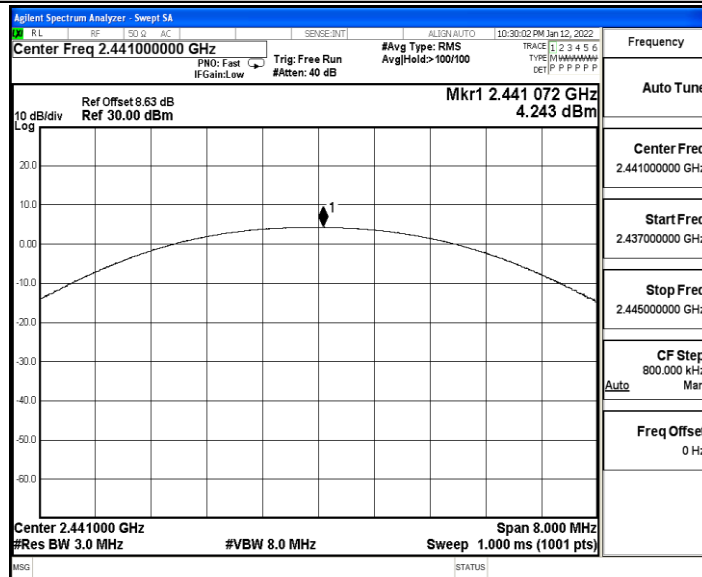


Test Graphs

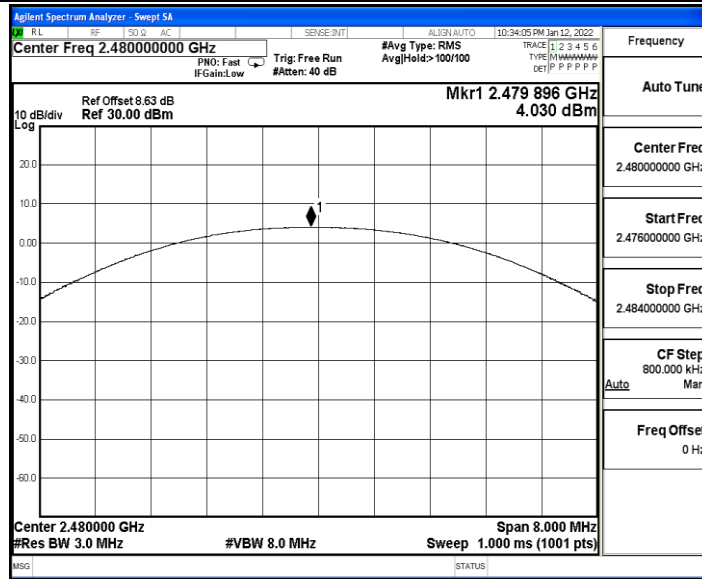
DH5_Ant1_2402



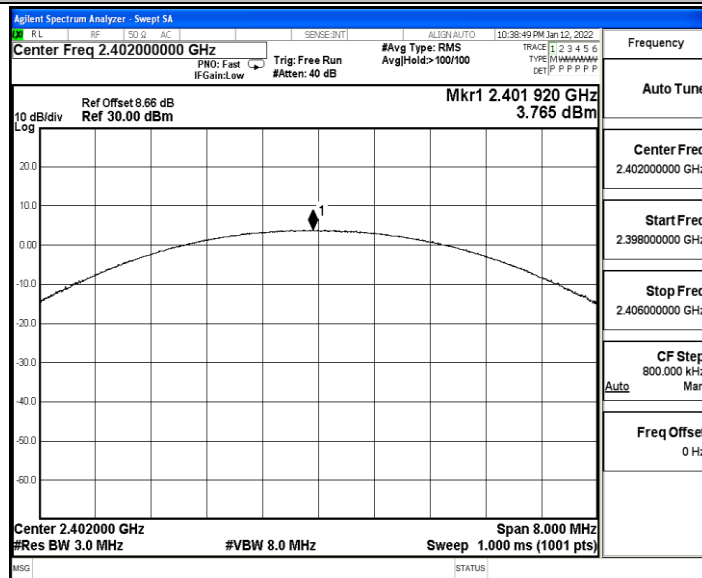
DH5_Ant1_2441



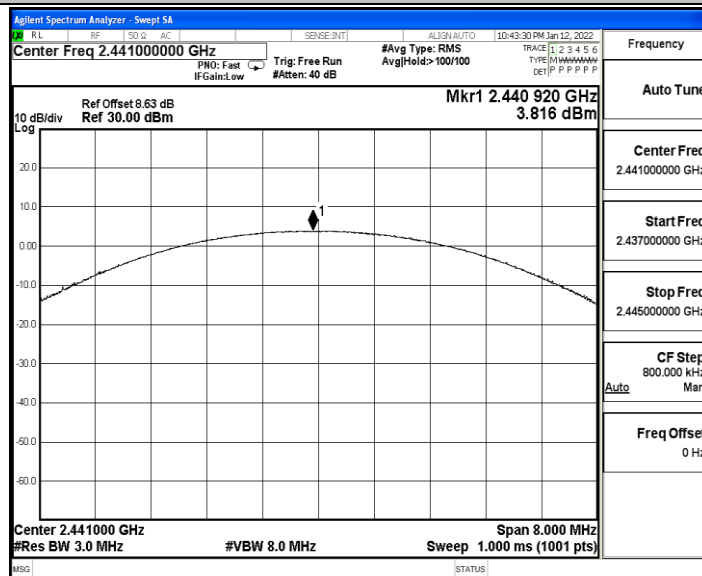
DH5_Ant1_2480



2DH5_Ant1_2402

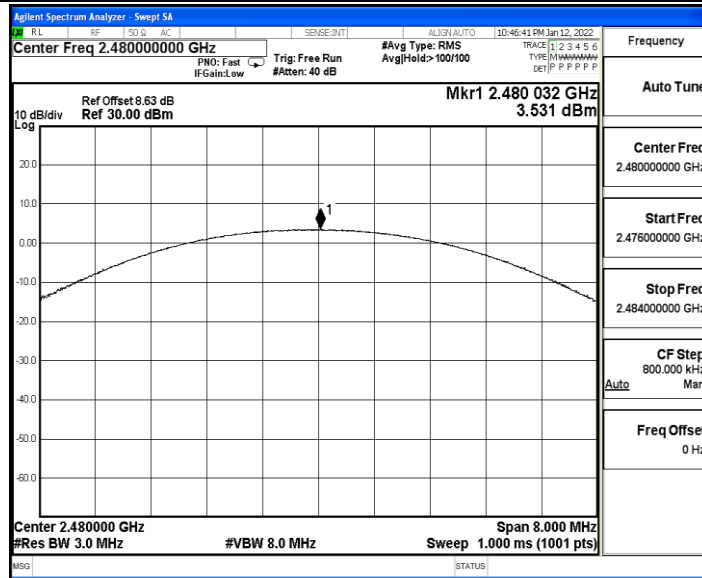


2DH5_Ant1_2441

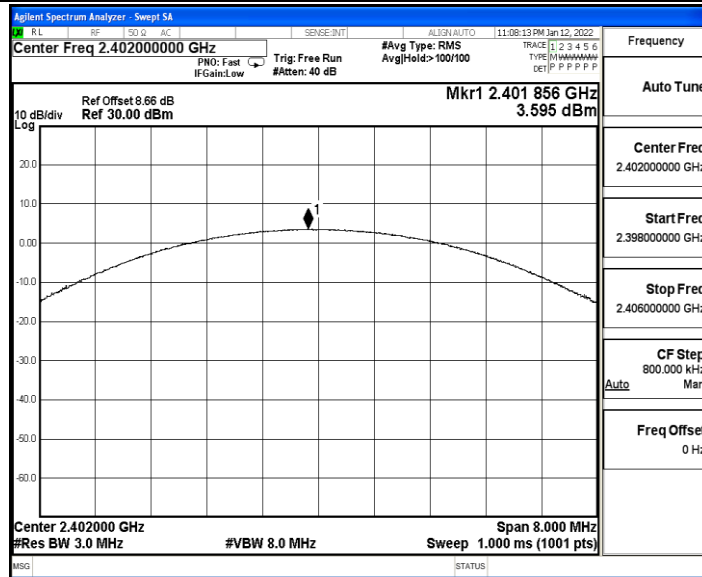




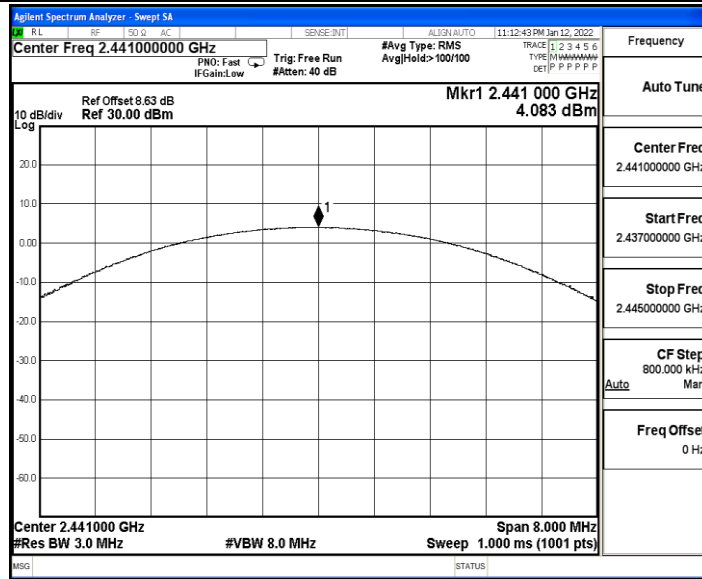
2DH5_Ant1_2480



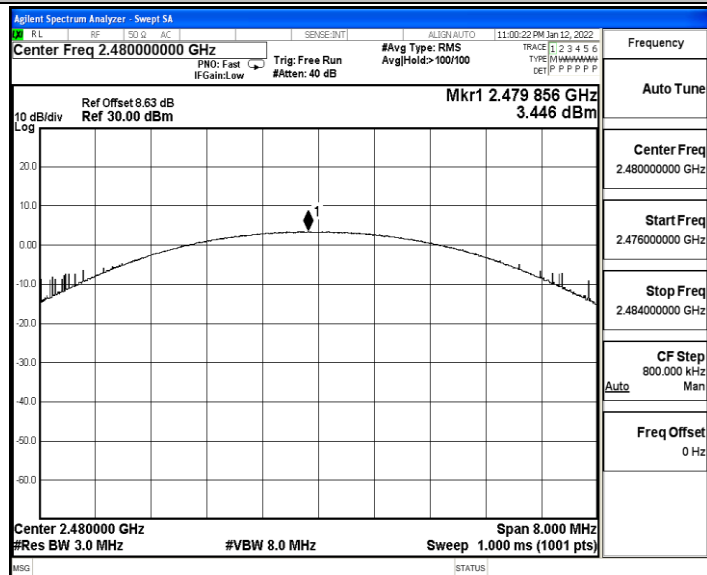
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



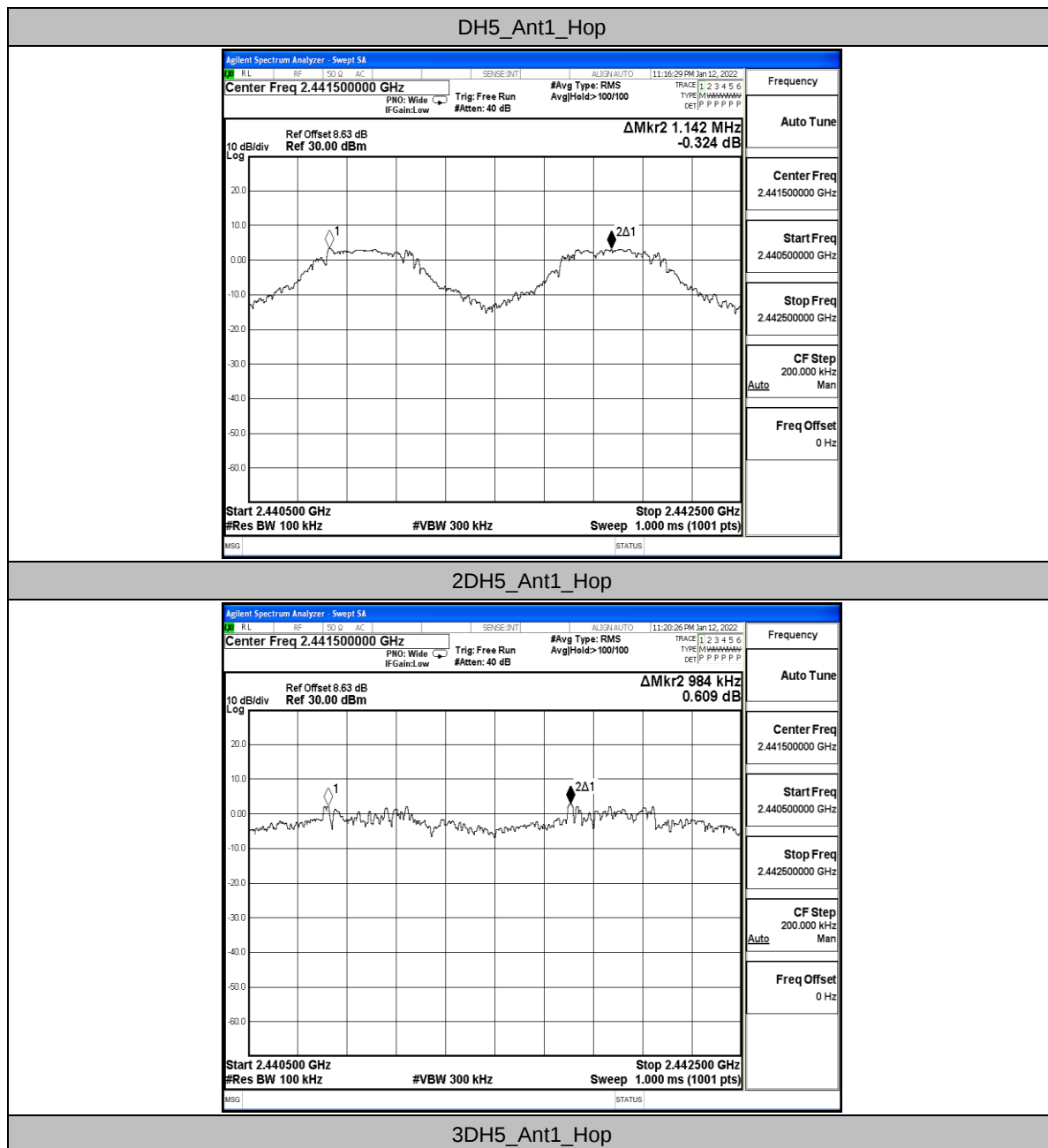


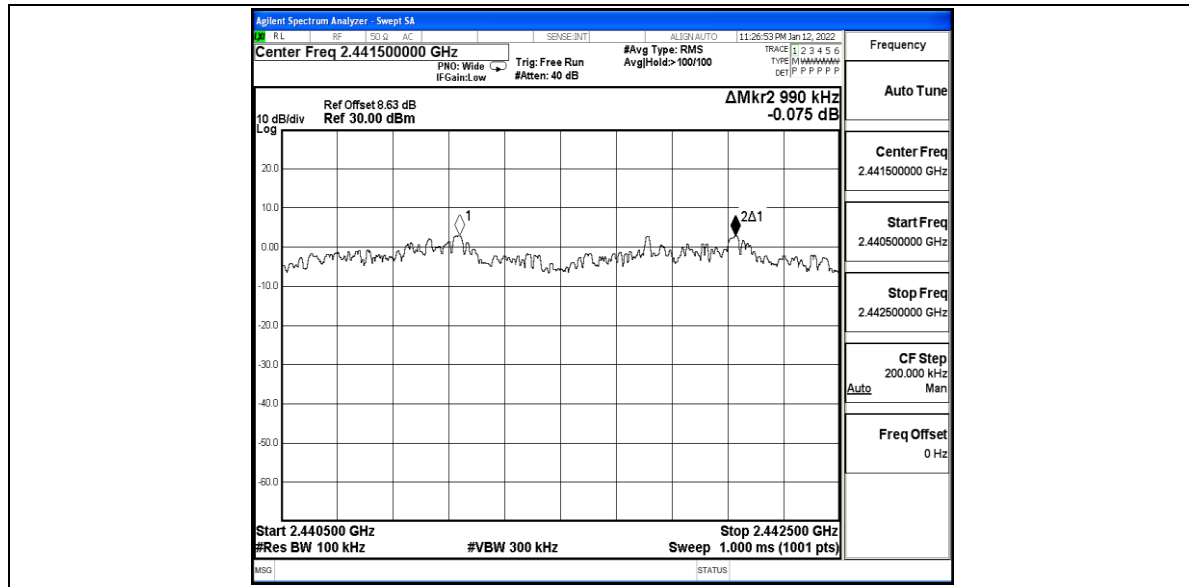
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	1.142	≥ 0.694	PASS
2DH5	Ant1	Hop	0.984	≥ 0.882	PASS
3DH5	Ant1	Hop	0.99	≥ 0.874	PASS

Test Graphs





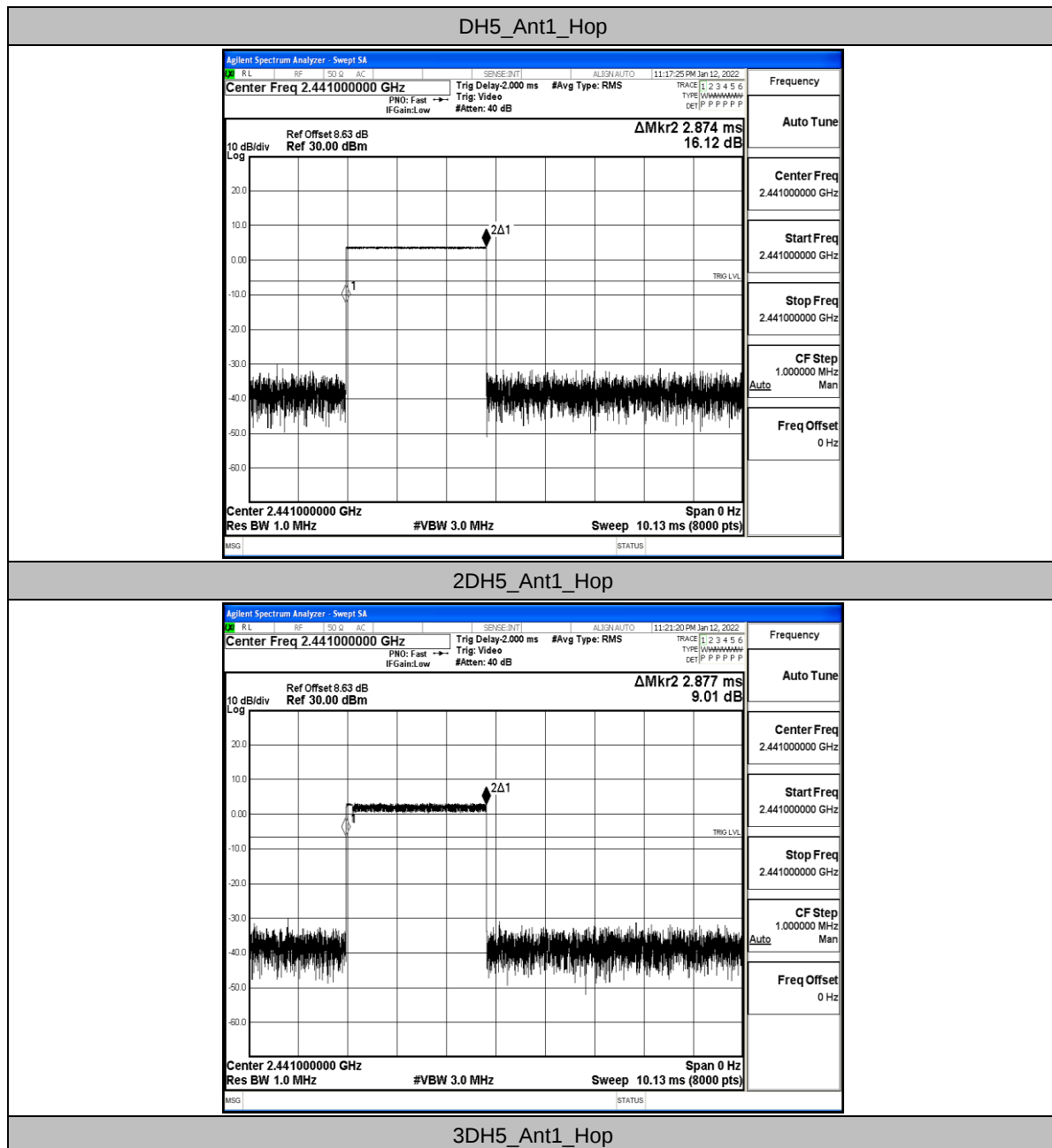


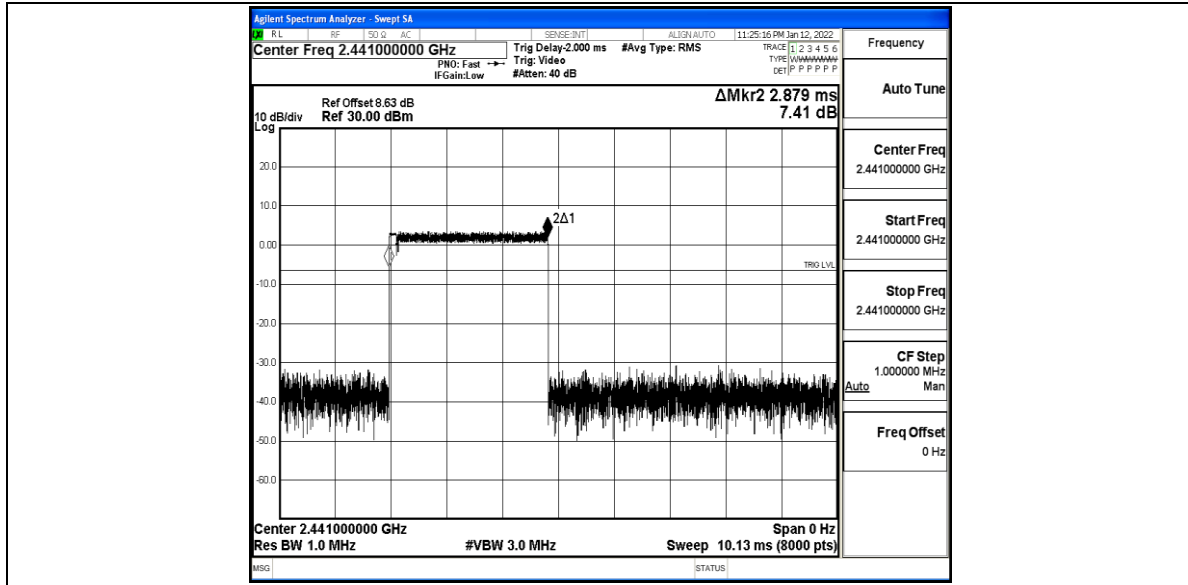
A.4 Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.87	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS

Test Graphs





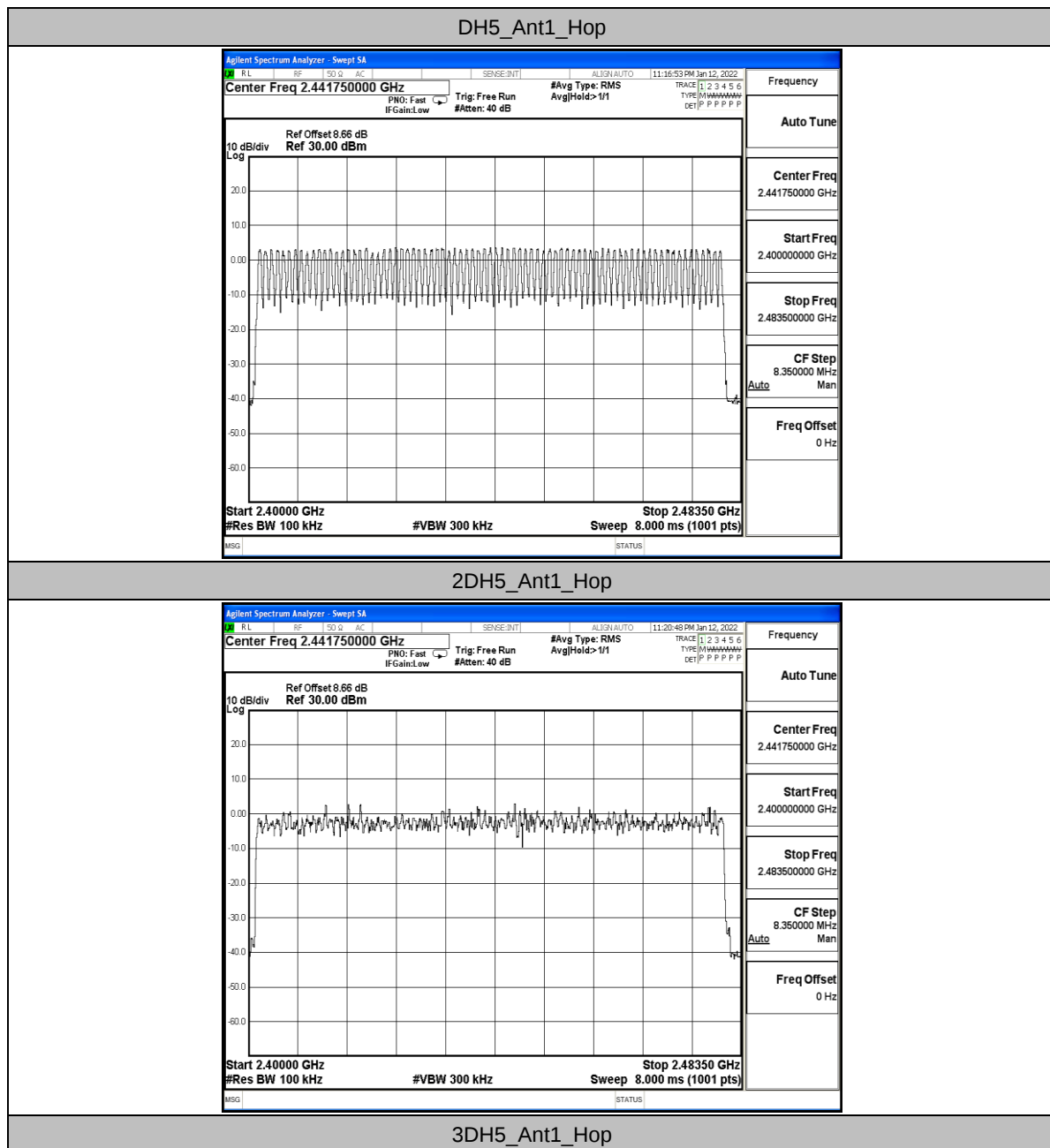


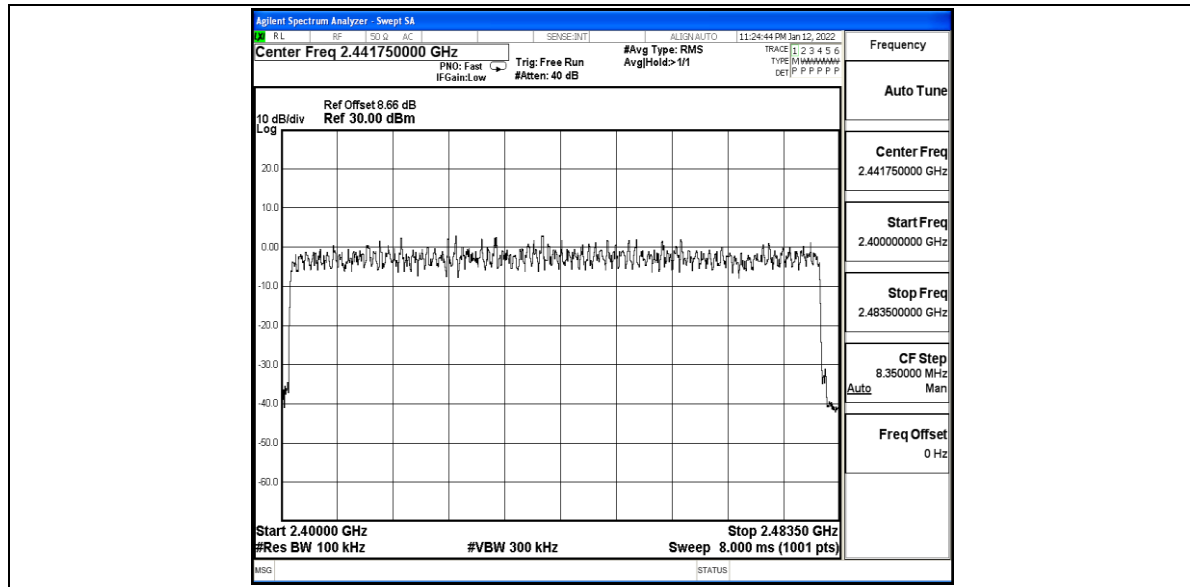
A.5 Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	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

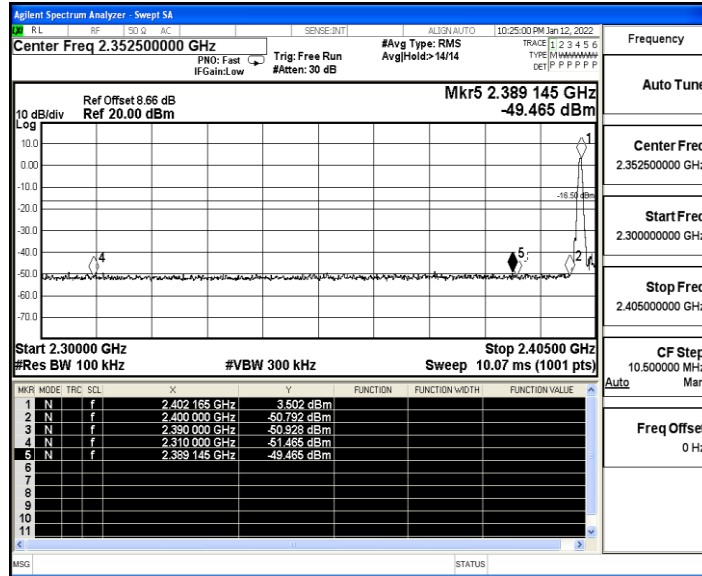
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.50	-49.47	≤ -16.5	PASS
		High	2480	3.51	-48.43	≤ -16.49	PASS
		Low	Hop_2402	2.49	-49.49	≤ -17.51	PASS
		High	Hop_2480	3.12	-48.61	≤ -16.89	PASS
2DH5	Ant1	Low	2402	2.11	-48.94	≤ -17.89	PASS
		High	2480	2.27	-48.29	≤ -17.73	PASS
		Low	Hop_2402	0.91	-49.25	≤ -19.09	PASS
		High	Hop_2480	1.03	-47.44	≤ -18.97	PASS
3DH5	Ant1	Low	2402	1.46	-48.83	≤ -18.54	PASS
		High	2480	1.72	-48.11	≤ -18.28	PASS
		Low	Hop_2402	-0.40	-49.41	≤ -20.4	PASS
		High	Hop_2480	2.23	-47.43	≤ -17.77	PASS

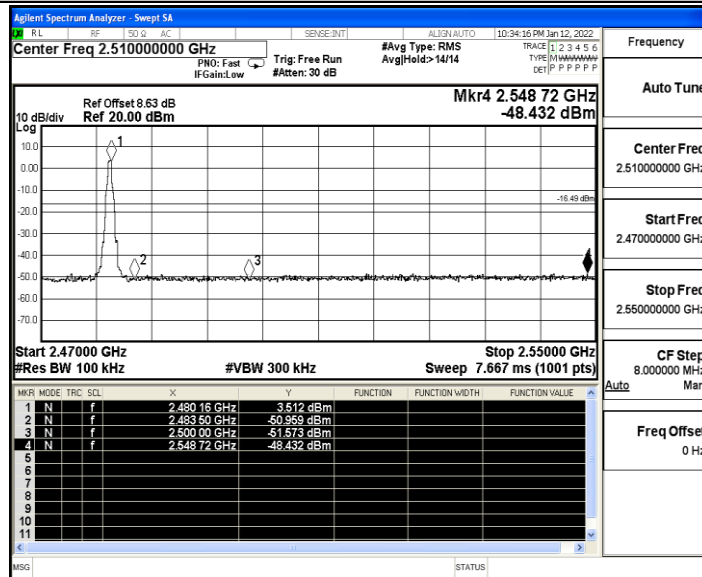


Test Graphs

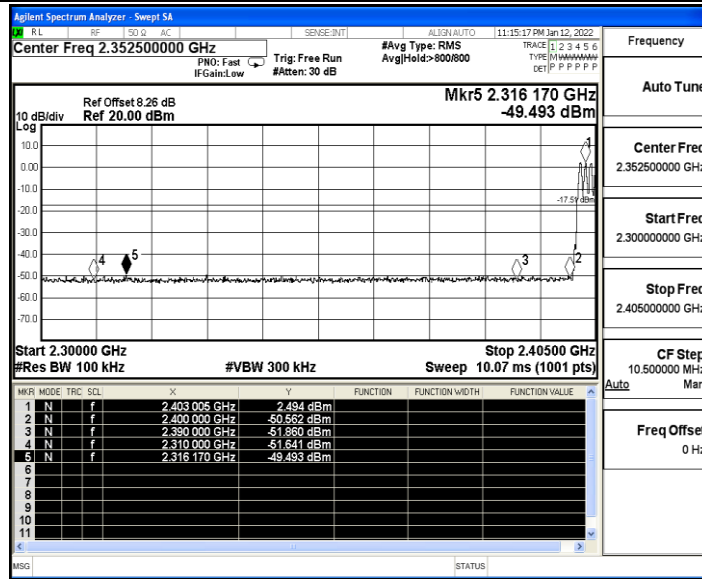
DH5_Ant1_Low_2402



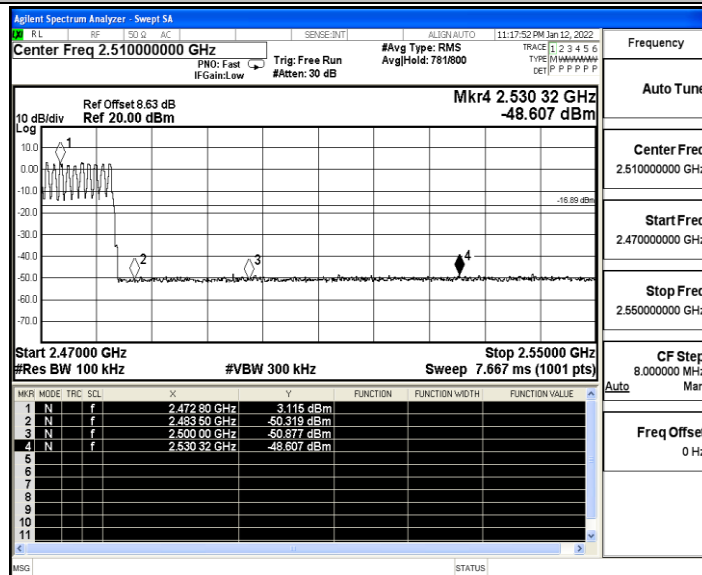
DH5_Ant1_High_2480



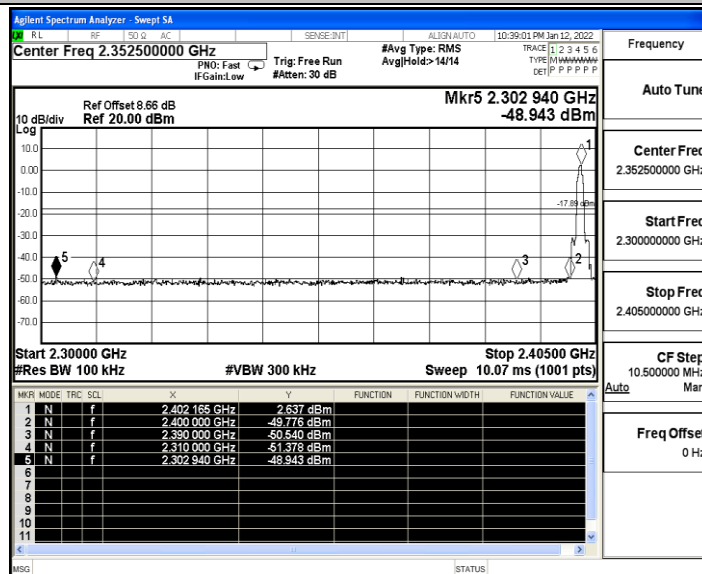
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

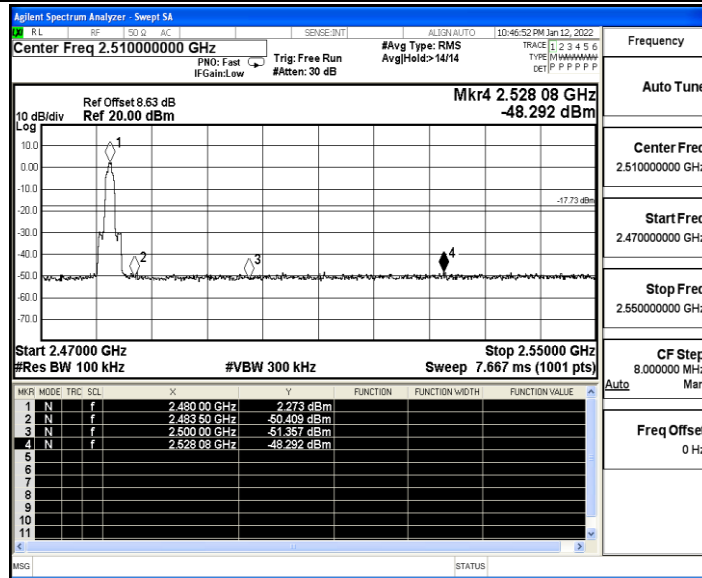


2DH5_Ant1_Low_2402

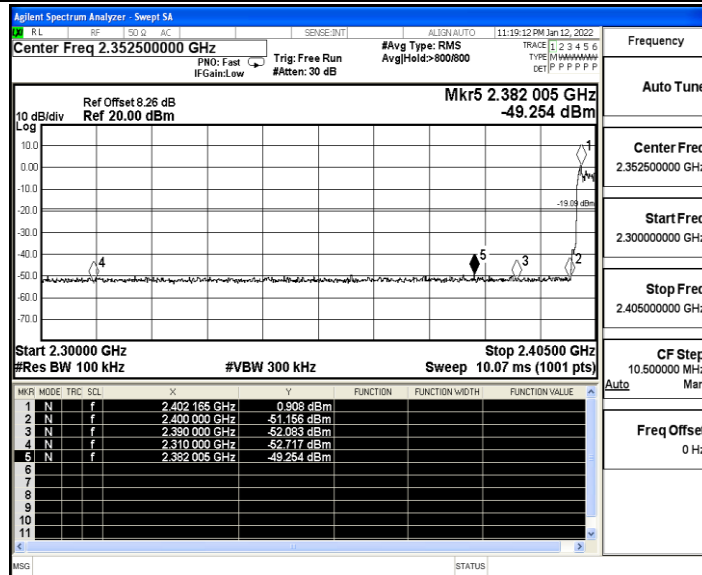




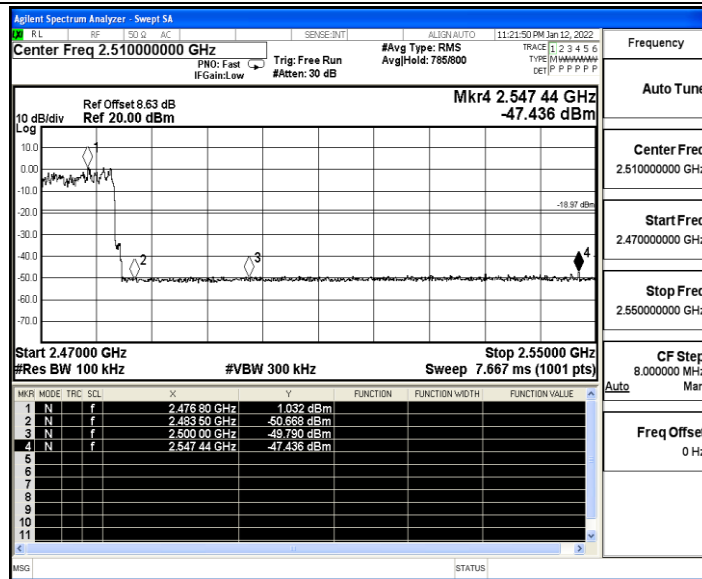
2DH5_Ant1_High_2480



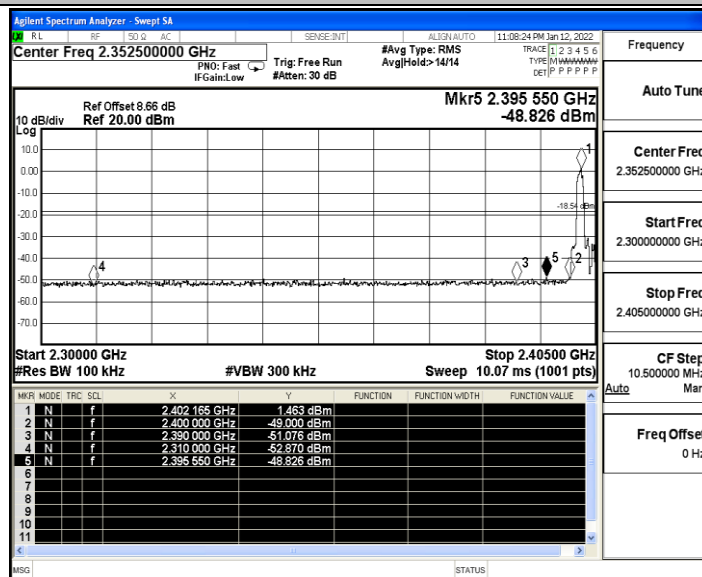
2DH5_Ant1_Low_Hop_2402



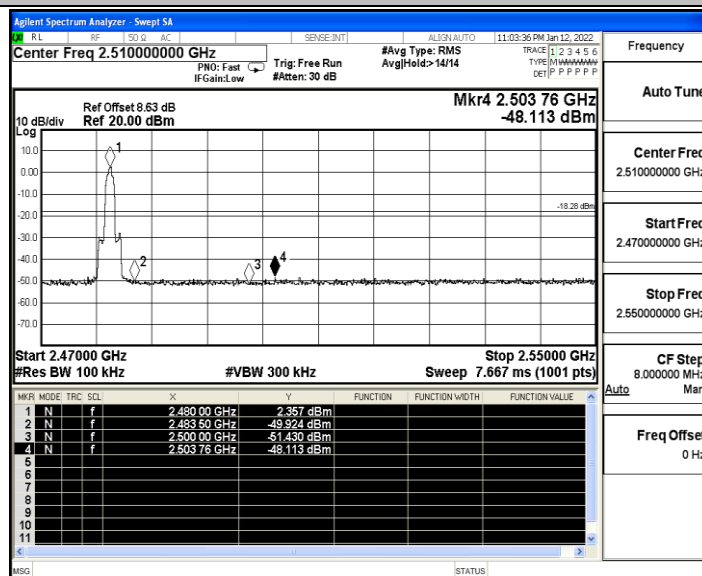
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

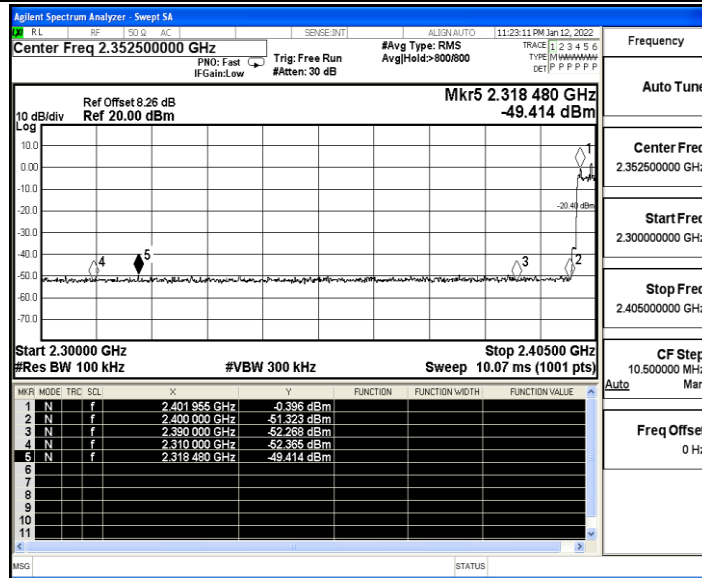


3DH5_Ant1_High_2480

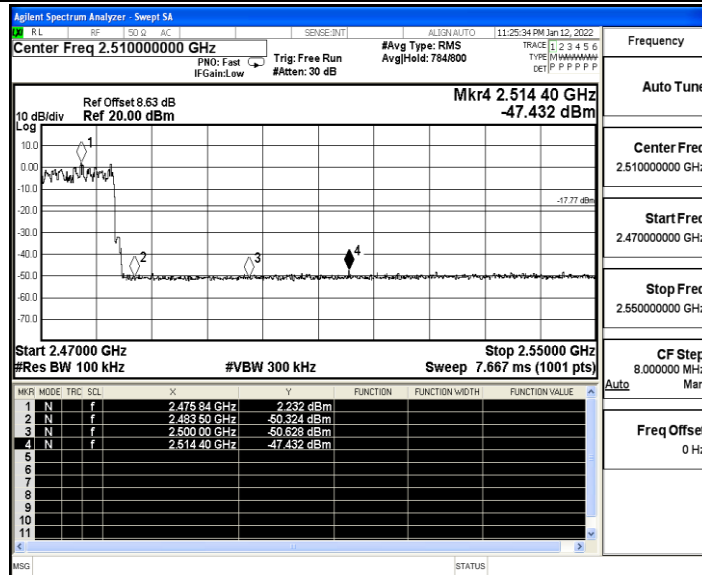




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

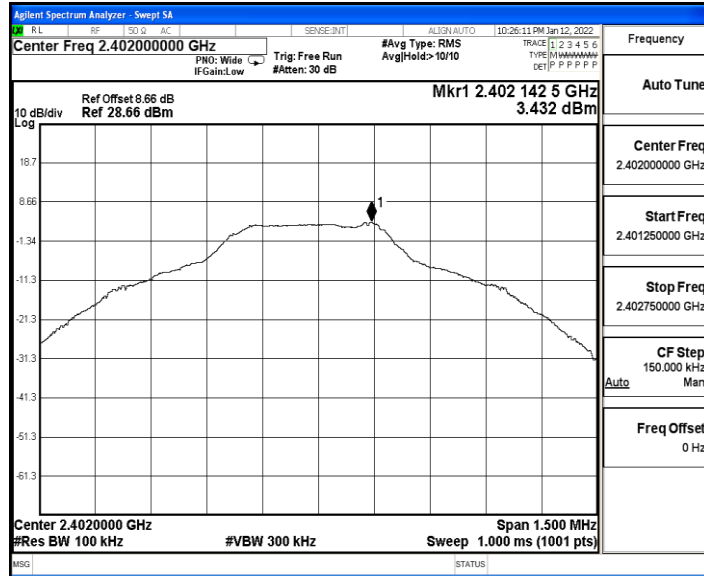
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.36	3.36	---	PASS
			30~1000	3.36	-39.18	≤ -16.64	PASS
			1000~26500	3.36	-46.4	≤ -16.64	PASS
		2441	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-60.01	≤ -16.18	PASS
			1000~26500	3.82	-46.02	≤ -16.18	PASS
		2480	Reference	3.55	3.55	---	PASS
			30~1000	3.55	-60.09	≤ -16.45	PASS
			1000~26500	3.55	-46.51	≤ -16.45	PASS
2DH5	Ant1	2402	Reference	2.23	2.23	---	PASS
			30~1000	2.23	-60.83	≤ -17.77	PASS
			1000~26500	2.23	-46.41	≤ -17.77	PASS
		2441	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-45.46	≤ -17.2	PASS
			1000~26500	2.80	-46.82	≤ -17.2	PASS
		2480	Reference	2.51	2.51	---	PASS
			30~1000	2.51	-60.65	≤ -17.49	PASS
			1000~26500	2.51	-46.41	≤ -17.49	PASS
3DH5	Ant1	2402	Reference	2.26	2.26	---	PASS
			30~1000	2.26	-60.64	≤ -17.74	PASS
			1000~26500	2.26	-46.28	≤ -17.74	PASS
		2441	Reference	2.63	2.63	---	PASS
			30~1000	2.63	-60.77	≤ -17.37	PASS
			1000~26500	2.63	-46.69	≤ -17.37	PASS
		2480	Reference	2.53	2.53	---	PASS
			30~1000	2.53	-61.31	≤ -17.47	PASS
			1000~26500	2.53	-46.46	≤ -17.47	PASS

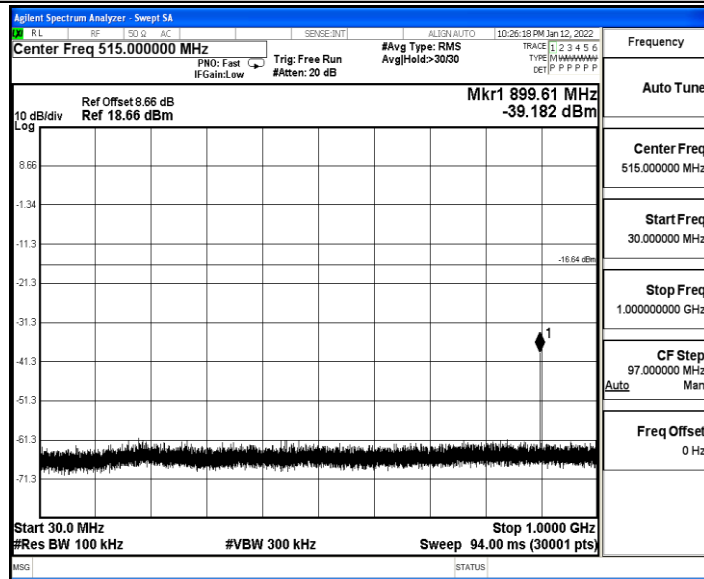


Test Graphs

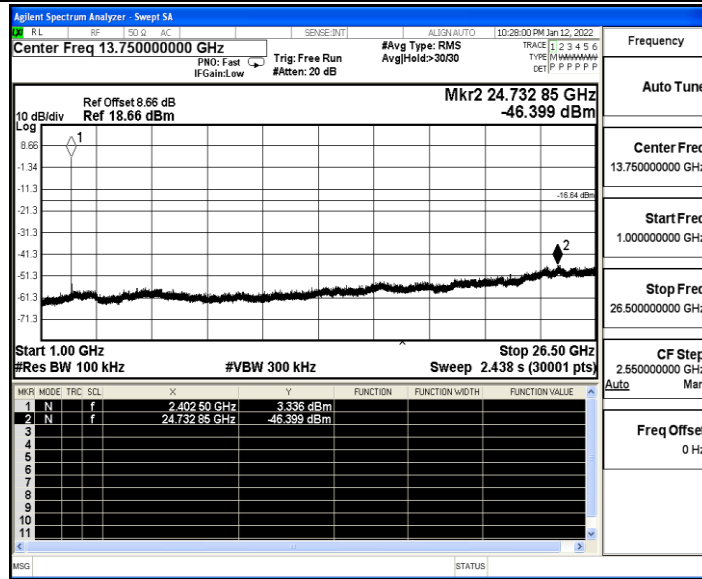
DH5_Ant1_2402_0~Reference



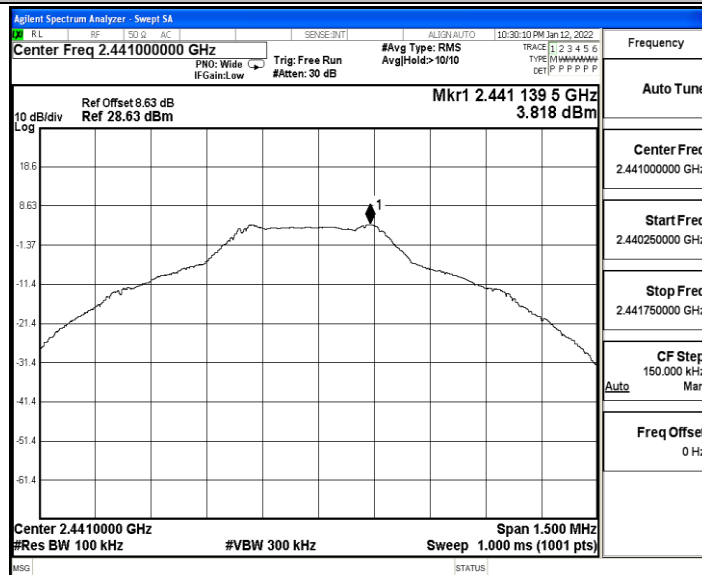
DH5_Ant1_2402_30~1000



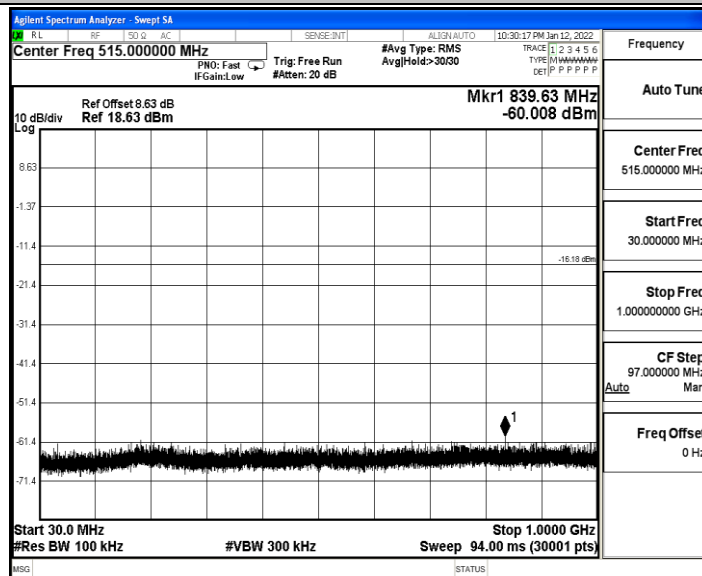
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference

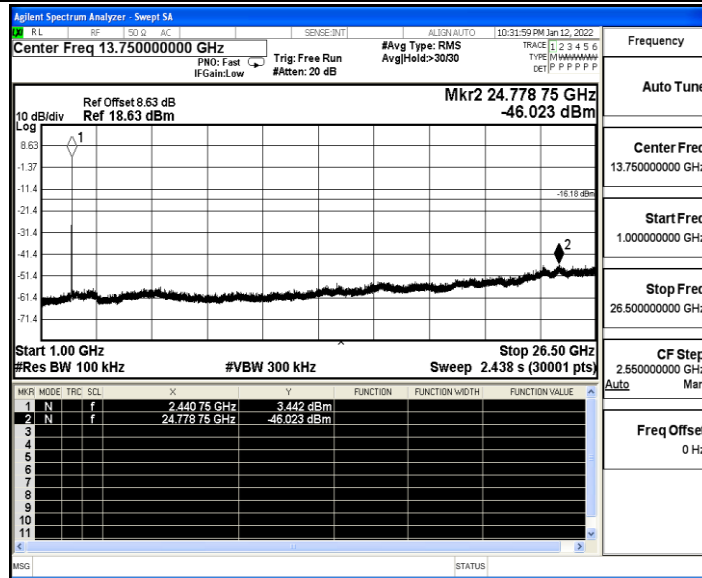


DH5_Ant1_2441_30~1000

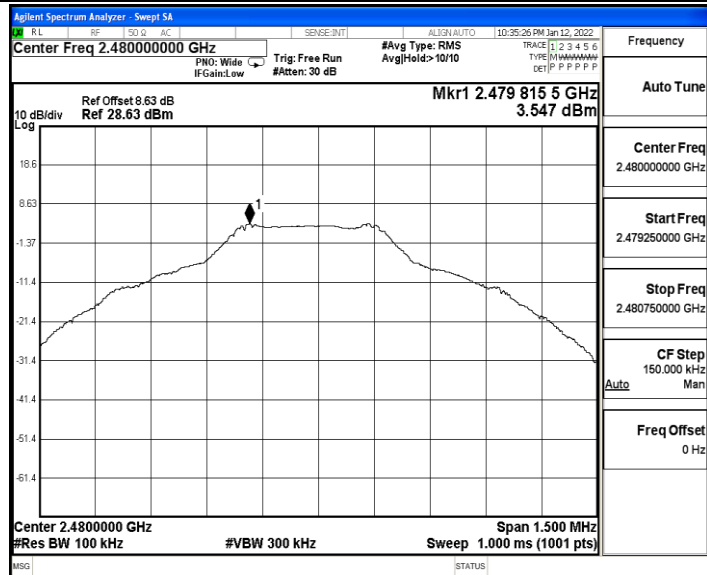




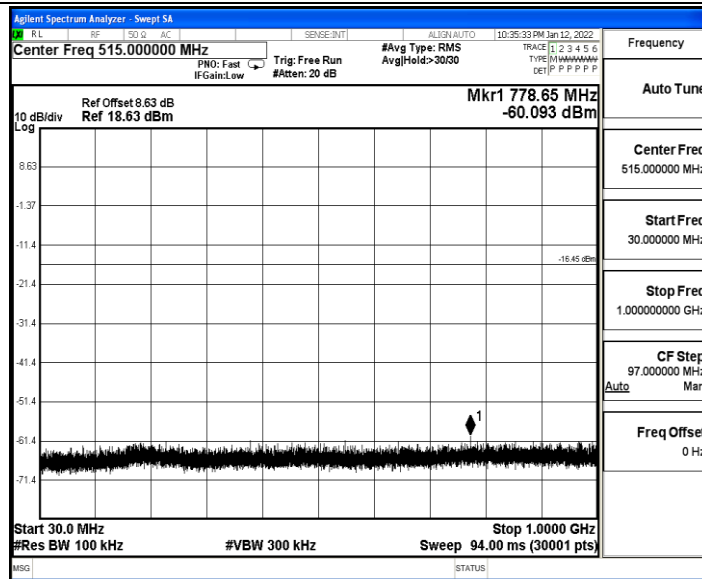
DH5_Ant1_2441_1000~26500



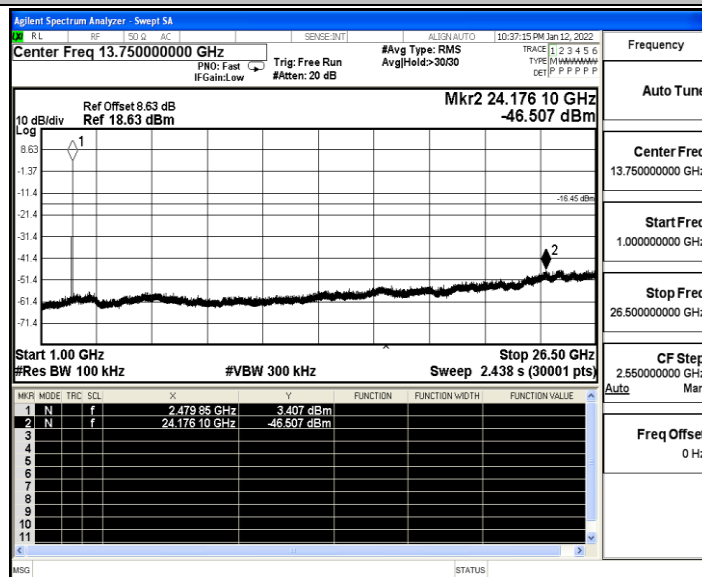
DH5_Ant1_2480_0~Reference



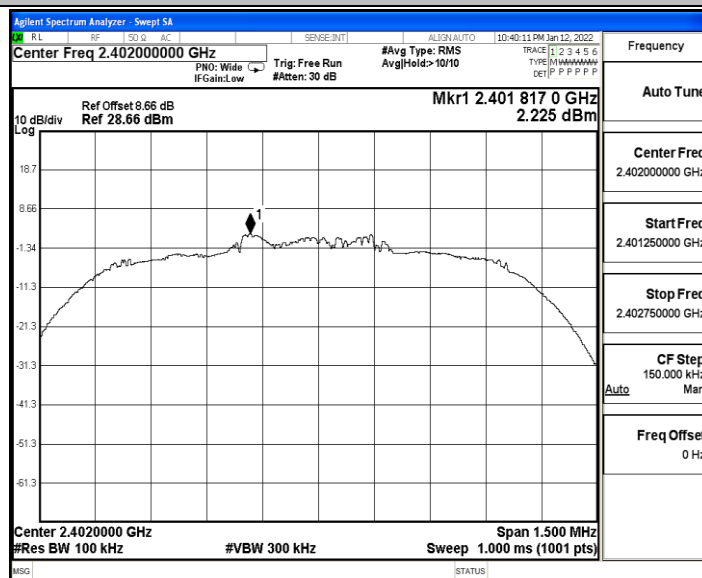
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

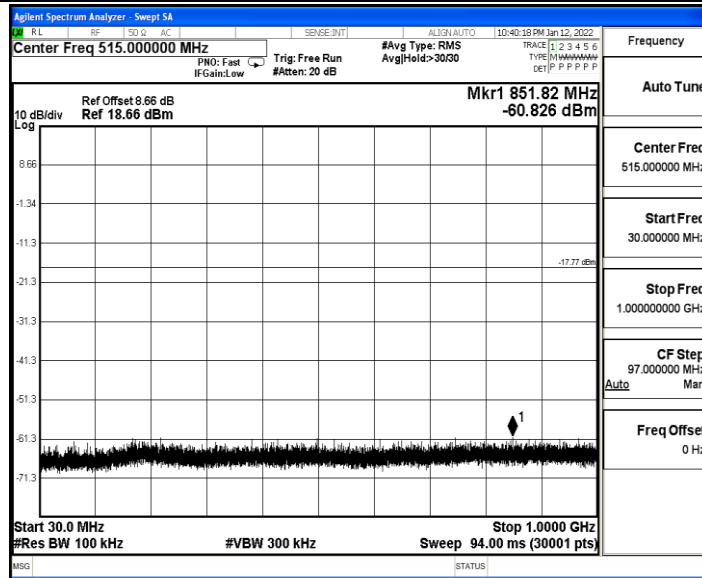


2DH5_Ant1_2402_0-Reference

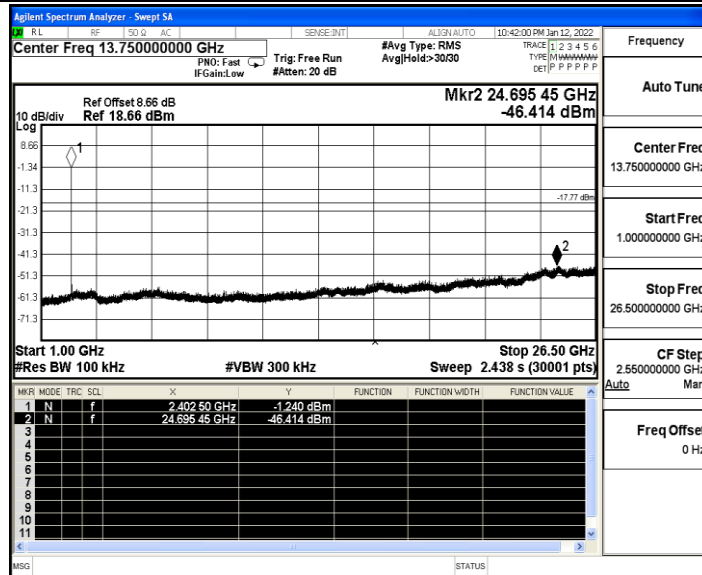




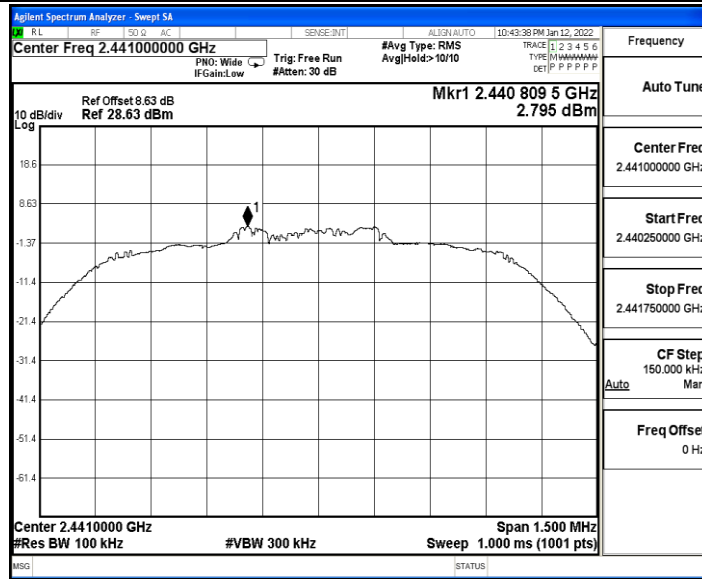
2DH5_Ant1_2402_30~1000



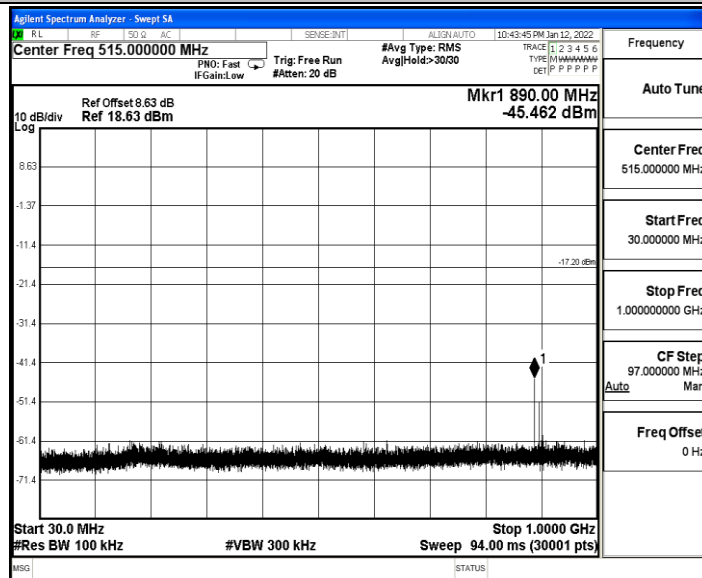
2DH5_Ant1_2402_1000~26500



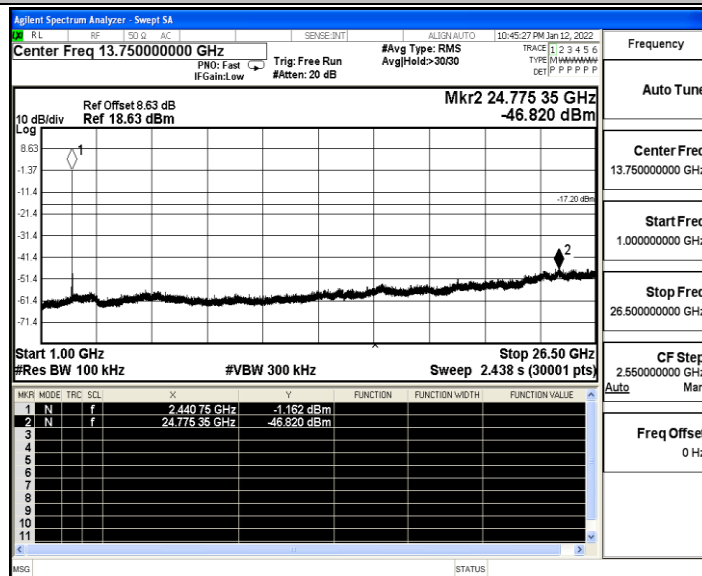
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

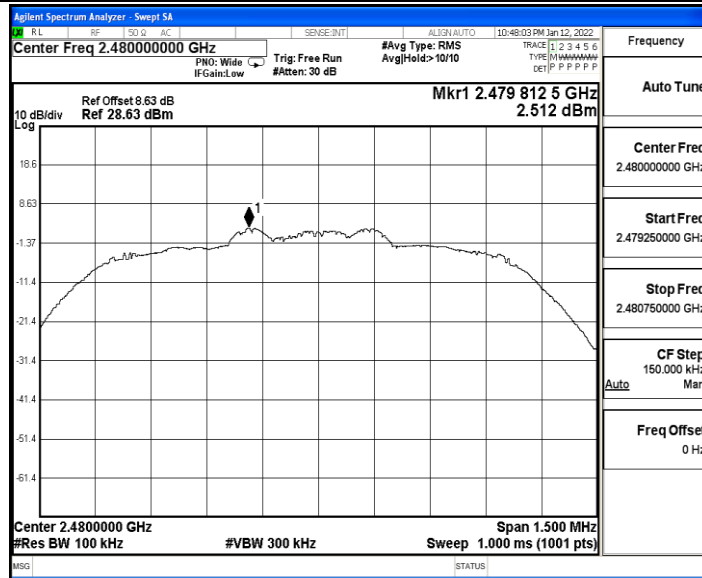


2DH5_Ant1_2441_1000~26500

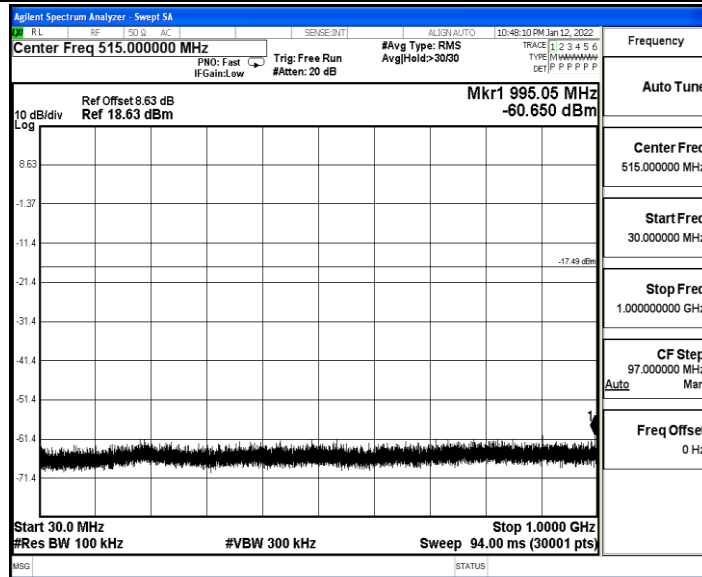




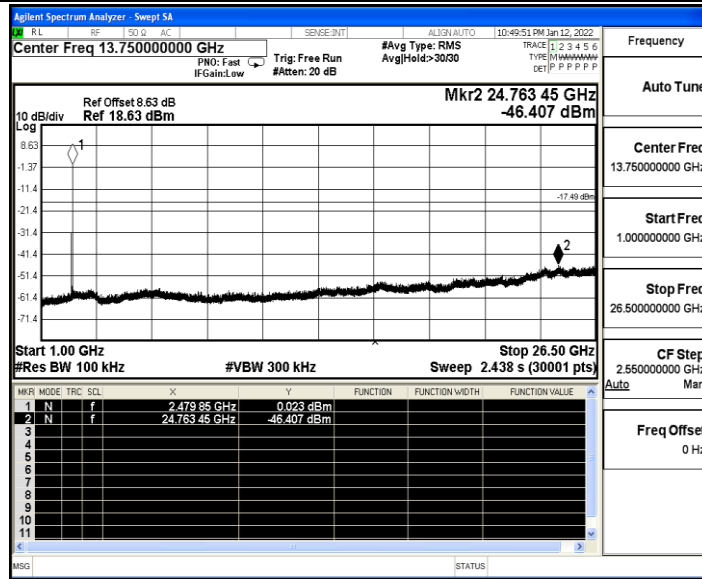
2DH5_Ant1_2480_0~Reference



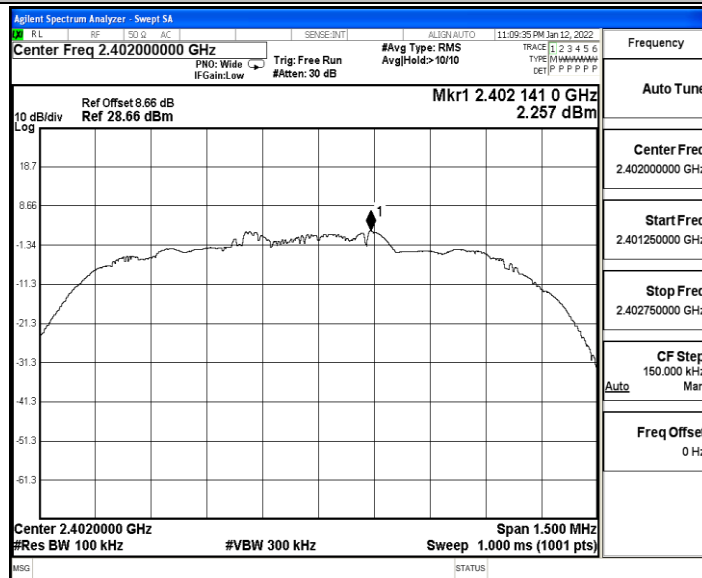
2DH5_Ant1_2480_30~1000



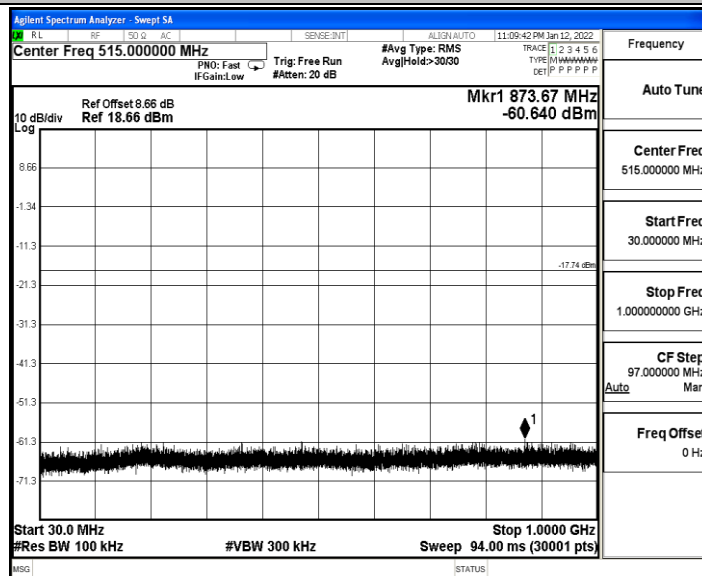
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

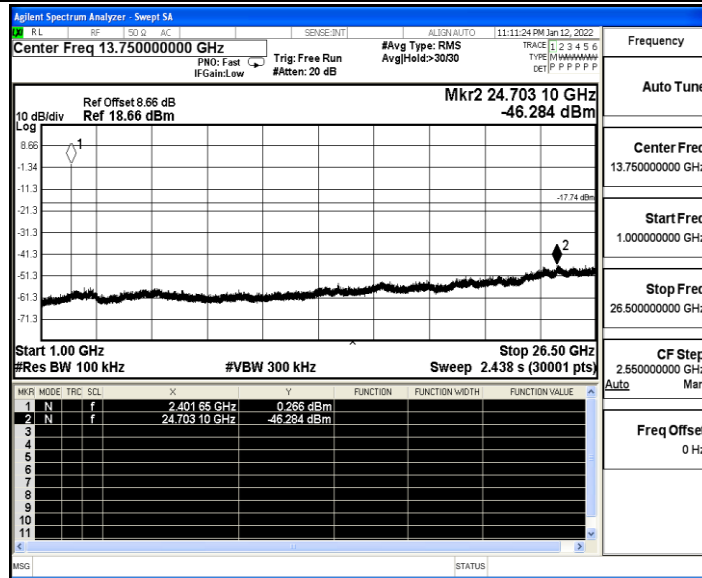


3DH5_Ant1_2402_30~1000

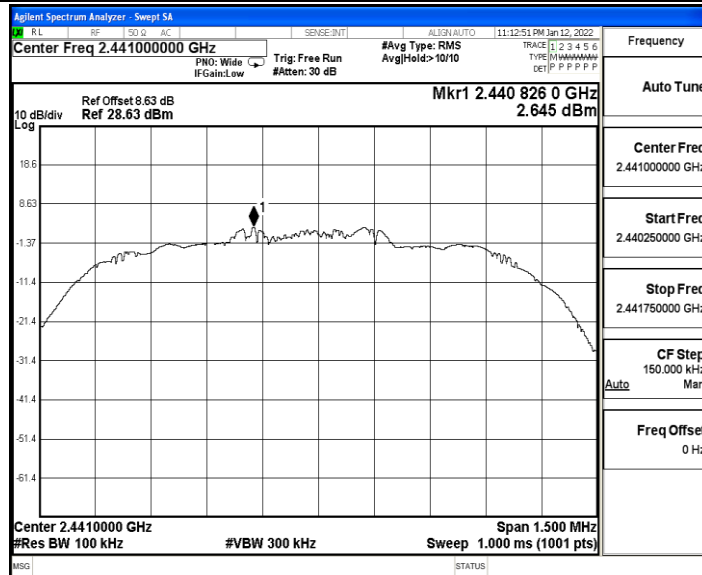




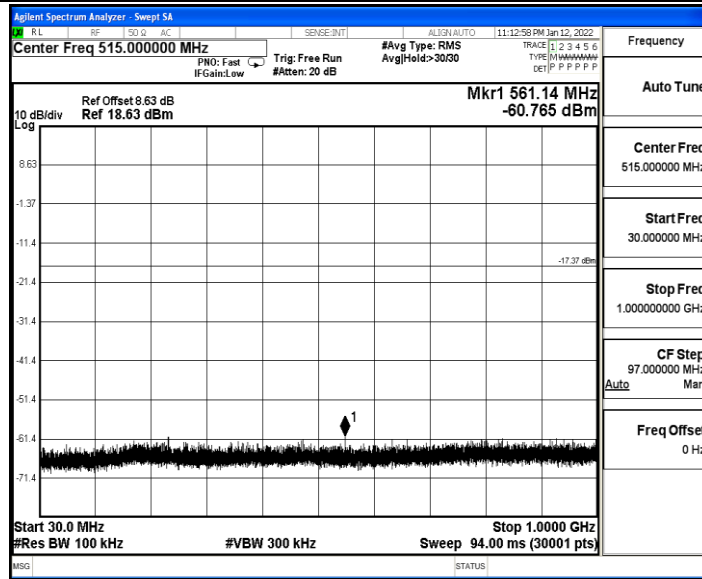
3DH5_Ant1_2402_1000~26500



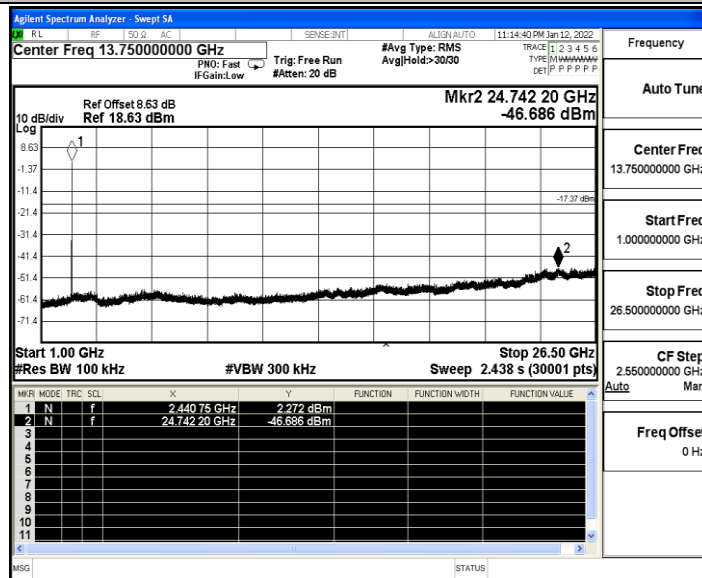
3DH5_Ant1_2441_0~Reference



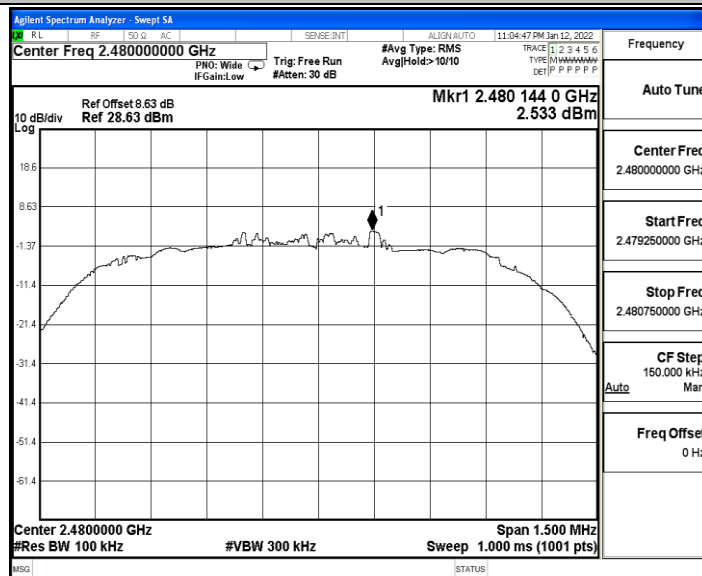
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

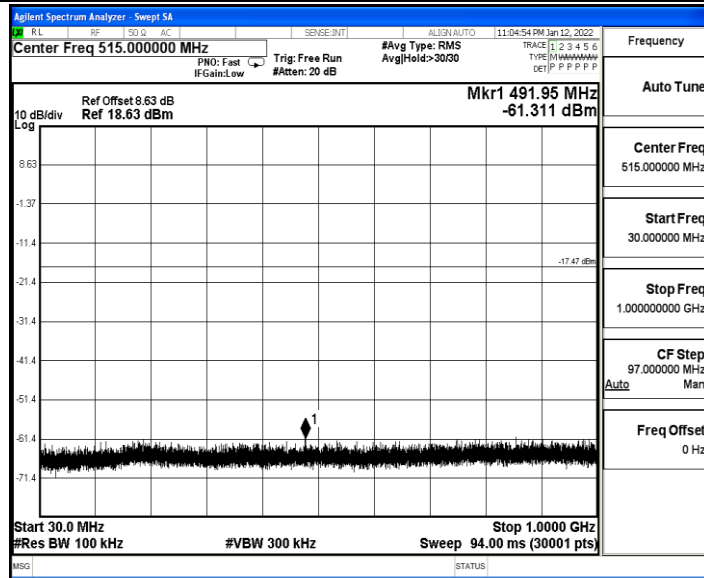


3DH5_Ant1_2480_0-Reference

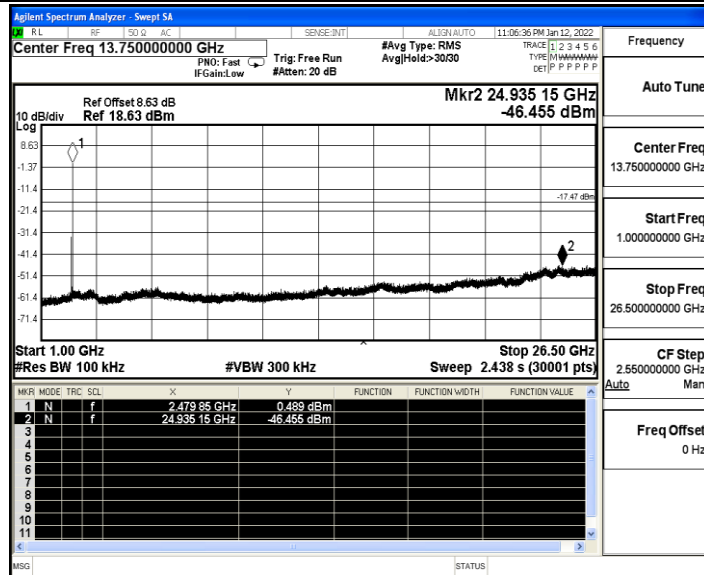




3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500





A.8 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-48.38	≤-41.20	46.82	≤54	PASS
				AV	2387.780	-47.96	≤-41.20	47.24	≤54	PASS
				AV	2390.000	-48.12	≤-41.20	47.08	≤54	PASS
				Peak	2310.000	-39.23	≤-21.20	55.97	≤74	PASS
				Peak	2364.575	-36.8	≤-21.20	58.40	≤74	PASS
				Peak	2390.000	-39.13	≤-21.20	56.07	≤74	PASS
		High	2480	AV	2483.500	-46.95	≤-41.20	48.25	≤54	PASS
				AV	2483.520	-46.95	≤-41.20	48.25	≤54	PASS
				AV	2500.000	-47.55	≤-41.20	47.65	≤54	PASS
				Peak	2483.500	-37.51	≤-21.20	57.69	≤74	PASS
				Peak	2493.840	-36.36	≤-21.20	58.84	≤74	PASS
				Peak	2500.000	-36.68	≤-21.20	58.52	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-40.19	≤-21.20	55.01	≤74	PASS
				Peak	2345.675	-37.22	≤-21.20	57.98	≤74	PASS
				Peak	2390.000	-38.19	≤-21.20	57.01	≤74	PASS
		High	Hop_2480	Peak	2483.500	-37.92	≤-21.20	57.28	≤74	PASS
				Peak	2494.080	-36.16	≤-21.20	59.04	≤74	PASS
				Peak	2500.000	-37.78	≤-21.20	57.42	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.47	≤-41.20	46.73	≤54	PASS
				AV	2387.780	-47.88	≤-41.20	47.32	≤54	PASS
				AV	2390.000	-48.08	≤-41.20	47.12	≤54	PASS
				Peak	2310.000	-39.7	≤-21.20	55.50	≤74	PASS
				Peak	2372.975	-36.76	≤-21.20	58.44	≤74	PASS
				Peak	2390.000	-38.43	≤-21.20	56.77	≤74	PASS
		High	2480	AV	2483.500	-46.68	≤-41.20	48.52	≤54	PASS
				AV	2483.520	-46.68	≤-41.20	48.52	≤54	PASS
				AV	2500.000	-47.55	≤-41.20	47.65	≤54	PASS
				Peak	2483.500	-38.06	≤-21.20	57.14	≤74	PASS
				Peak	2495.360	-36.38	≤-21.20	58.82	≤74	PASS
				Peak	2500.000	-38.07	≤-21.20	57.13	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-39.87	≤-21.20	55.33	≤74	PASS
				Peak	2372.765	-37.49	≤-21.20	57.71	≤74	PASS
				Peak	2390.000	-38.67	≤-21.20	56.53	≤74	PASS
		High	Hop_2480	Peak	2483.500	-38.13	≤-21.20	57.07	≤74	PASS
				Peak	2498.160	-36.68	≤-21.20	58.52	≤74	PASS
				Peak	2500.000	-37.84	≤-21.20	57.36	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.56	≤-41.20	46.64	≤54	PASS



				AV	2389.250	-47.92	≤ -41.20	47.28	≤ 54	PASS
				AV	2390.000	-48.13	≤ -41.20	47.07	≤ 54	PASS
				Peak	2310.000	-39.37	≤ -21.20	55.83	≤ 74	PASS
				Peak	2380.850	-36.78	≤ -21.20	58.42	≤ 74	PASS
				Peak	2390.000	-38.75	≤ -21.20	56.45	≤ 74	PASS
		High	2480	AV	2483.500	-46.65	≤ -41.20	48.55	≤ 54	PASS
				AV	2483.520	-46.67	≤ -41.20	48.53	≤ 54	PASS
				AV	2500.000	-47.56	≤ -41.20	47.64	≤ 54	PASS
				Peak	2483.500	-37.75	≤ -21.20	57.45	≤ 74	PASS
				Peak	2497.680	-36.42	≤ -21.20	58.78	≤ 74	PASS
				Peak	2500.000	-38.49	≤ -21.20	56.71	≤ 74	PASS
		Low	Hop_2402	Peak	2310.000	-39.42	≤ -21.20	55.78	≤ 74	PASS
				Peak	2348.510	-37.37	≤ -21.20	57.83	≤ 74	PASS
				Peak	2390.000	-39.44	≤ -21.20	55.76	≤ 74	PASS
		High	Hop_2480	Peak	2483.500	-38.68	≤ -21.20	56.52	≤ 74	PASS
				Peak	2499.200	-36.76	≤ -21.20	58.44	≤ 74	PASS
				Peak	2500.000	-38.44	≤ -21.20	56.76	≤ 74	PASS

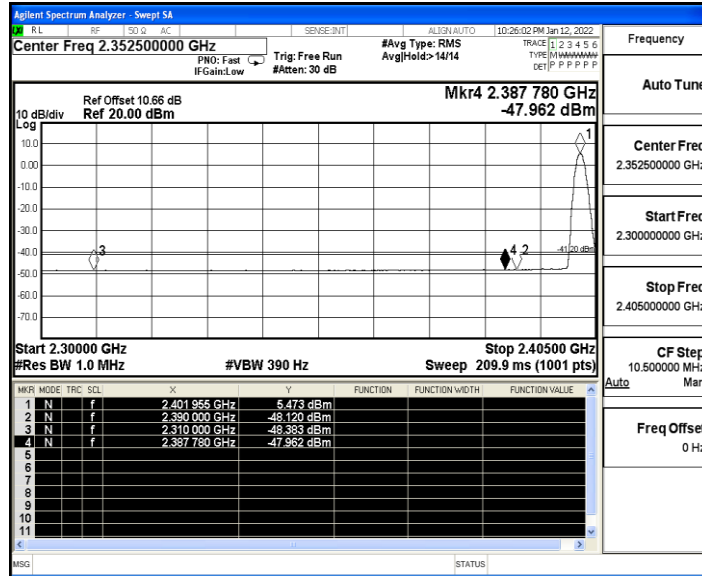
Note:

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.

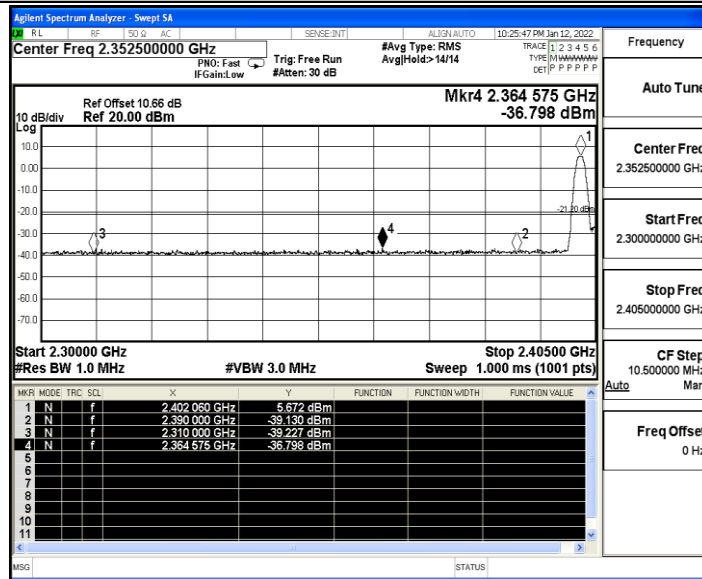


Test Graphs

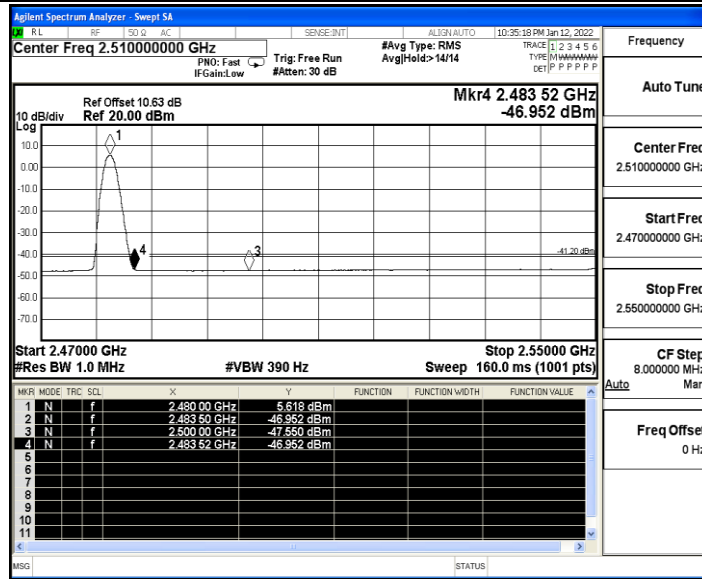
DH5_Ant1_Low_2402_AV



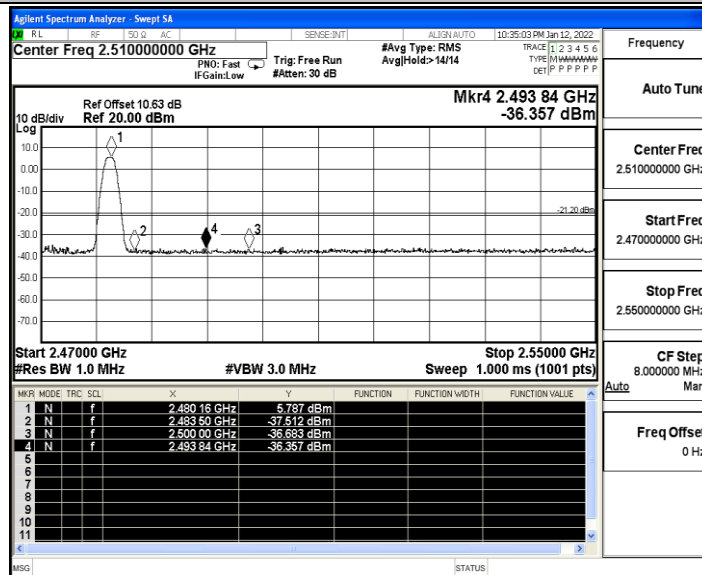
DH5_Ant1_Low_2402_Peak



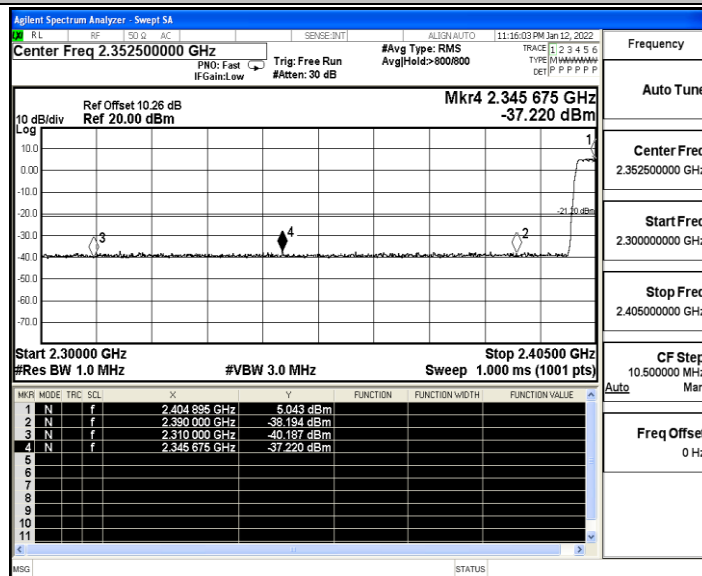
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

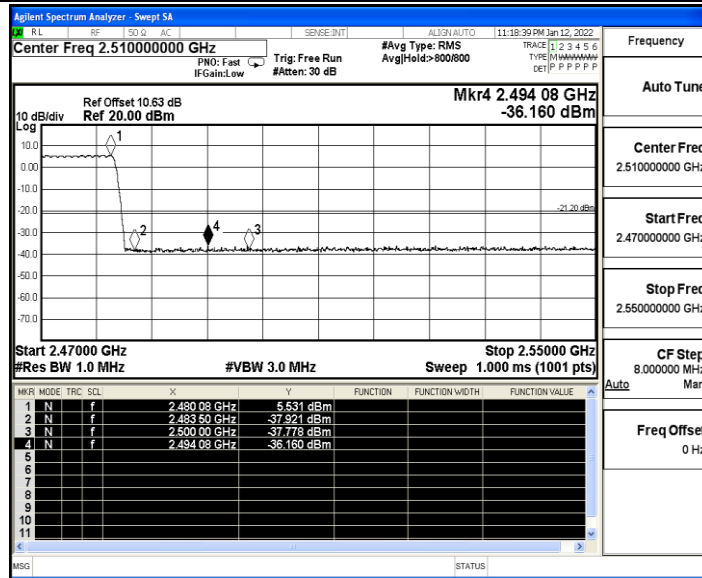


DH5_Ant1_Low_Hop_2402_Peak

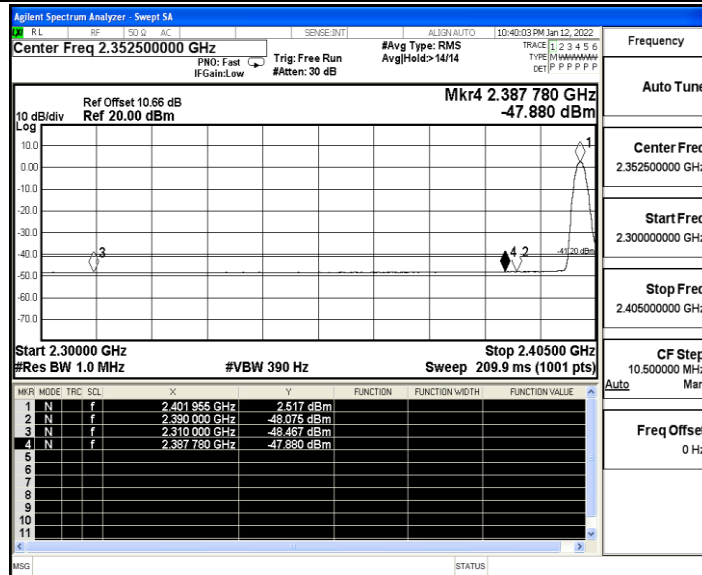




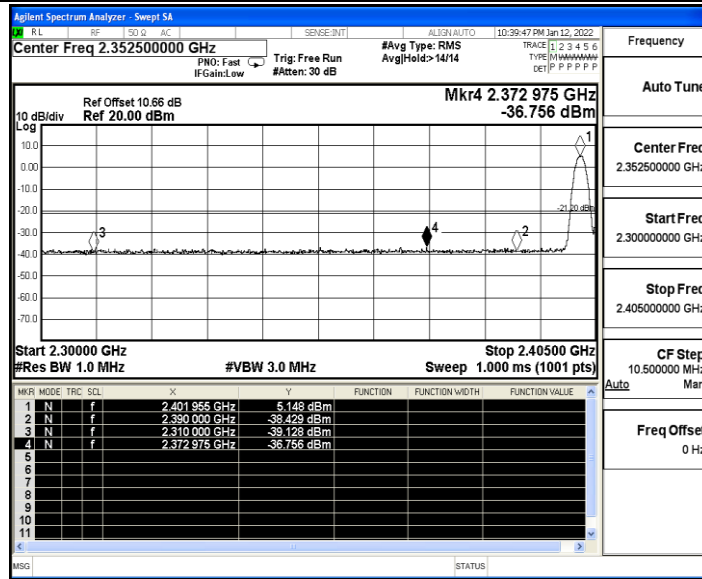
DH5_Ant1_High_Hop_2480_Peak



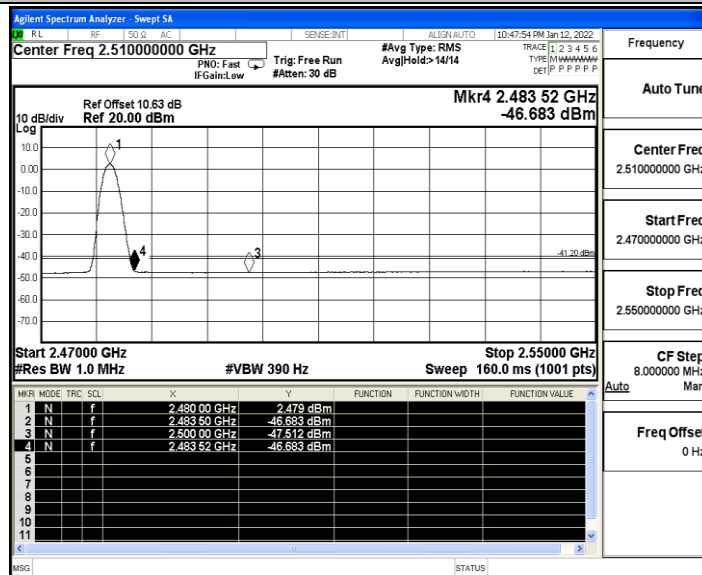
2DH5_Ant1_Low_2402_AV



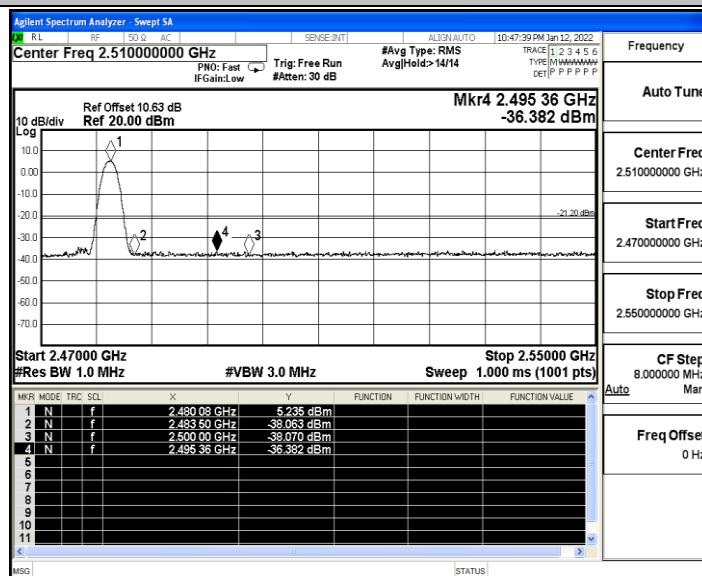
2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV

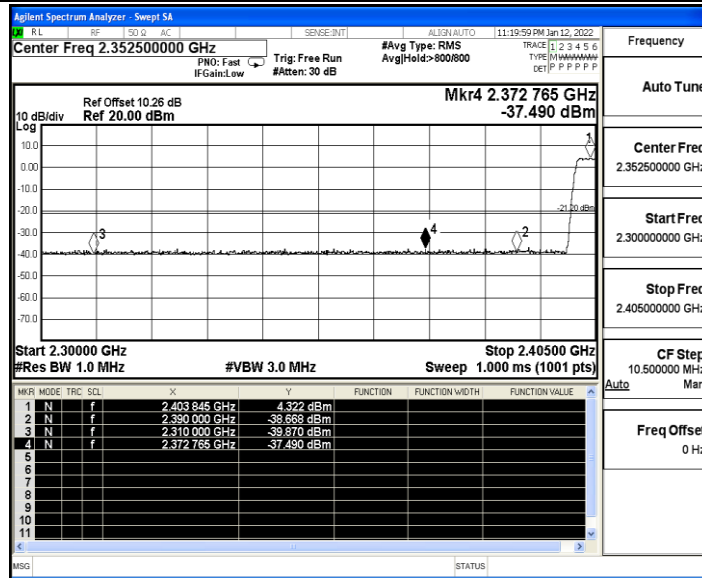


2DH5_Ant1_High_2480_Peak

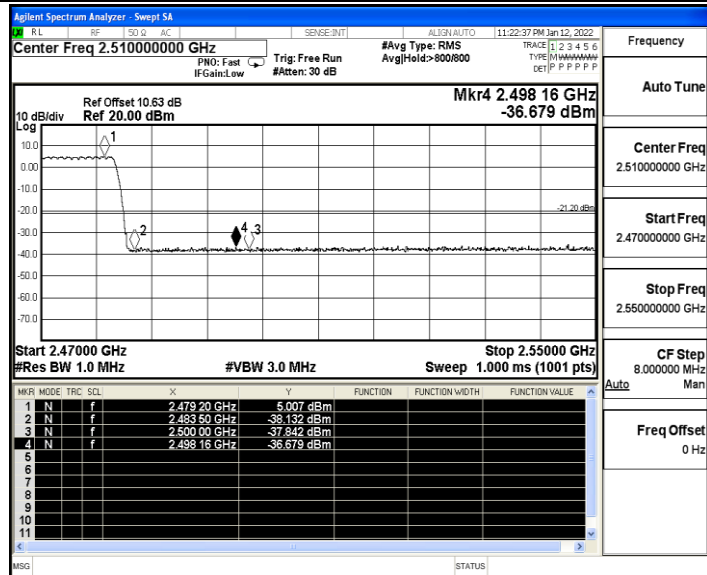




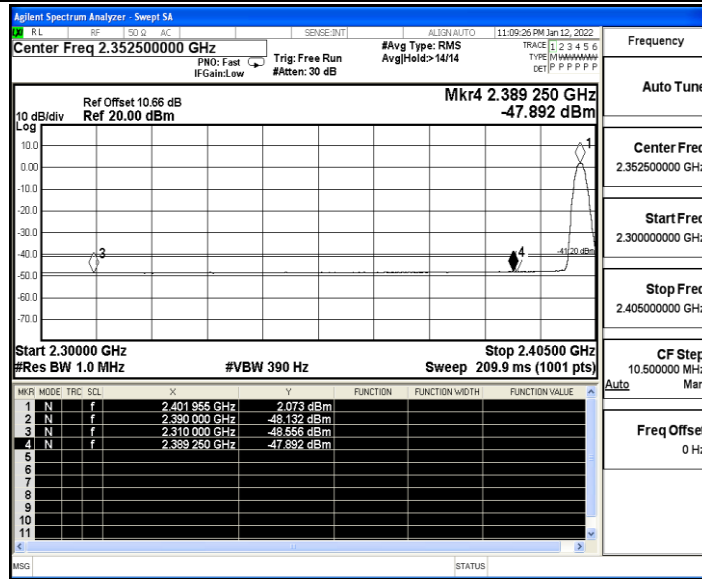
2DH5_Ant1_Low_Hop_2402_Peak



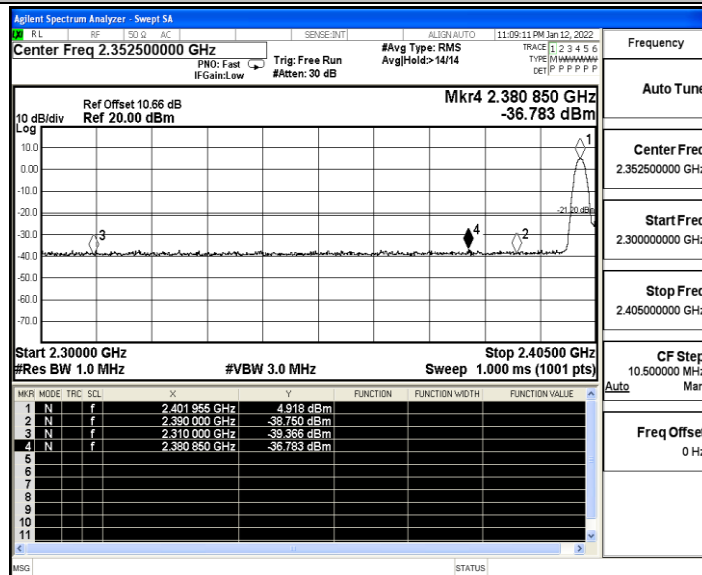
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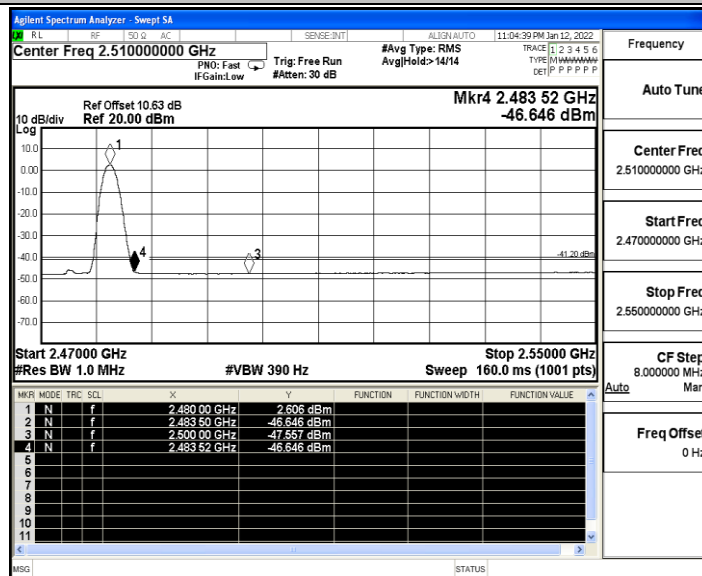
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak

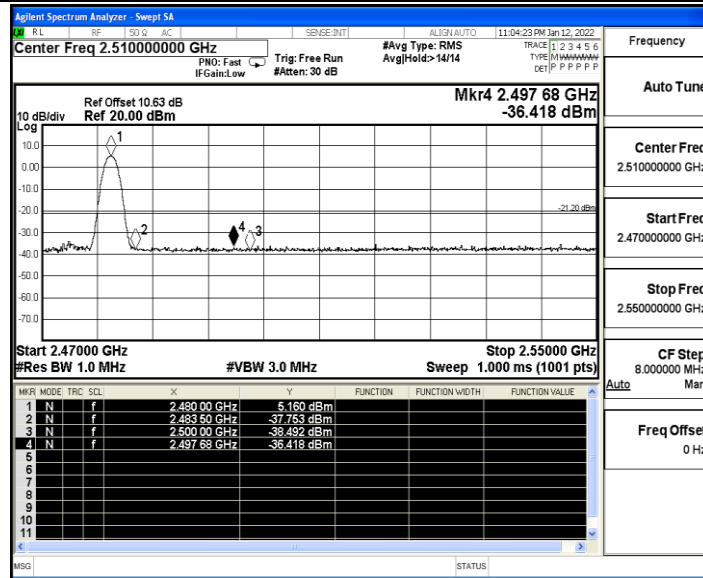


3DH5_Ant1_High_2480_AV

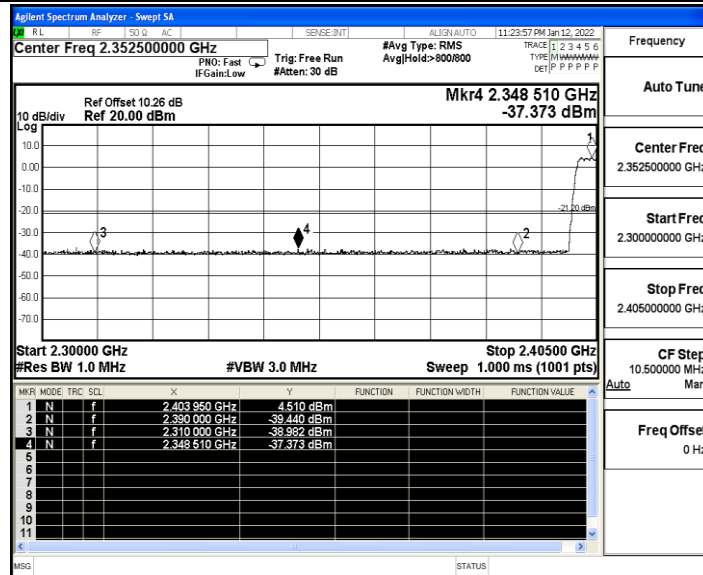




3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

