Appendix A
RF Test Data for BT(BDR/EDR) (Conducted Measurement)
Product Name: air cleaner

Trade Mark: EdaKham

Test Model: H2

FCC ID: 2AZU6-H2

Environmental Conditions

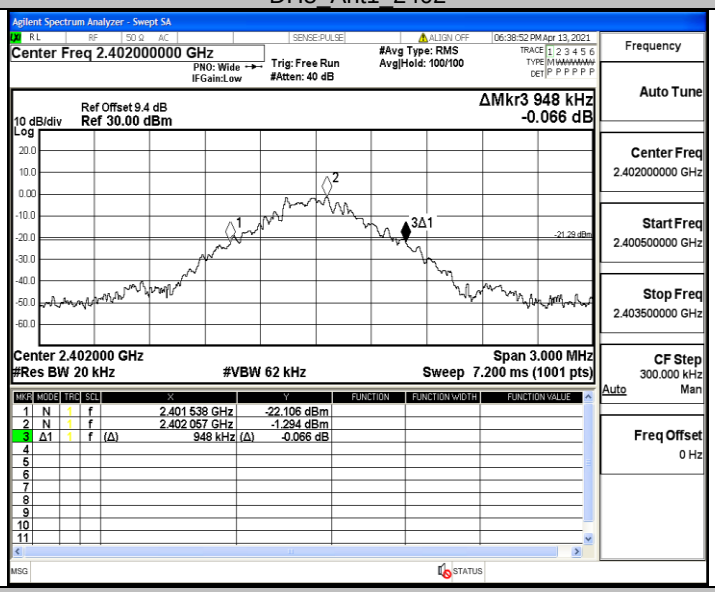
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

A.1 20 dB Bandwidth

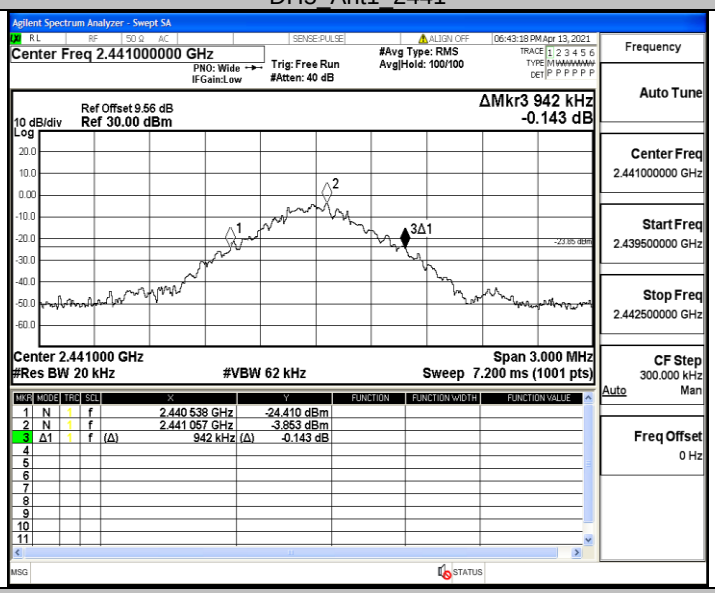
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.538	2402.486	---	PASS
		2441	0.942	2440.538	2441.480	---	PASS
		2480	0.942	2479.538	2480.480	---	PASS
2DH5	Ant1	2402	1.323	2401.337	2402.660	---	PASS
		2441	1.329	2440.334	2441.663	---	PASS
		2480	1.329	2479.334	2480.663	---	PASS
3DH5	Ant1	2402	1.290	2401.352	2402.642	---	PASS
		2441	1.284	2440.352	2441.636	---	PASS
		2480	1.296	2479.349	2480.645	---	PASS

Test Graph

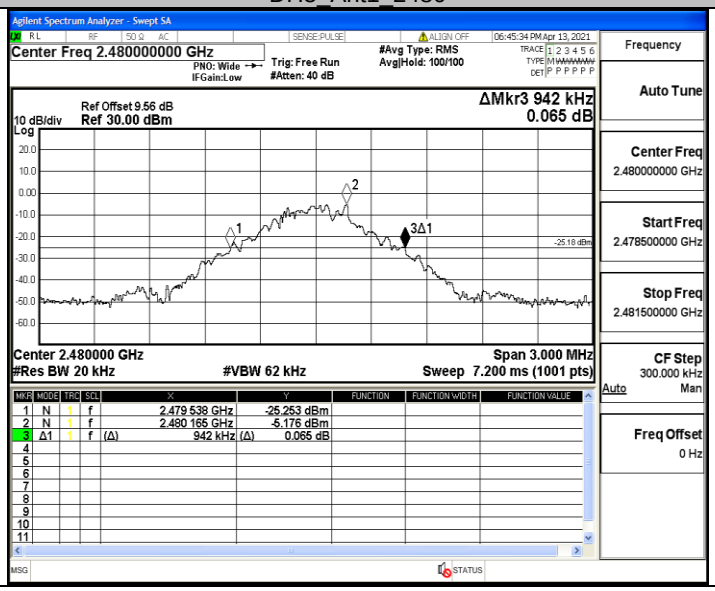
DH5_Ant1_2402



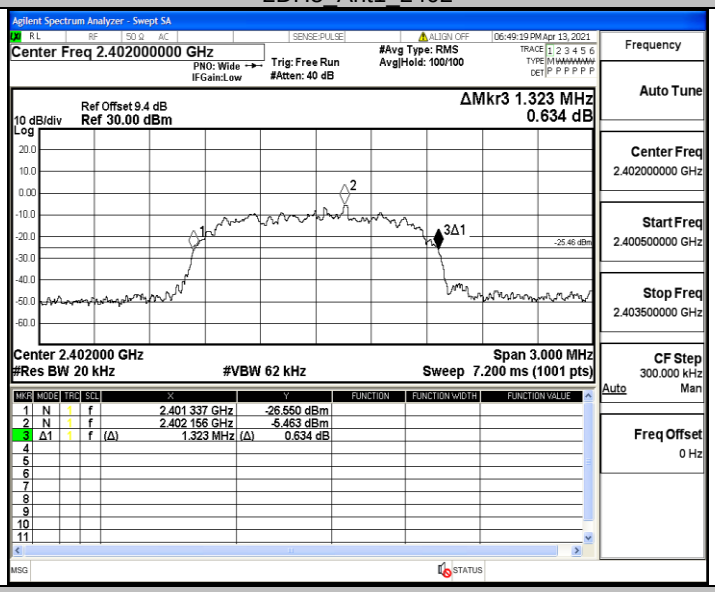
DH5_Ant1_2441



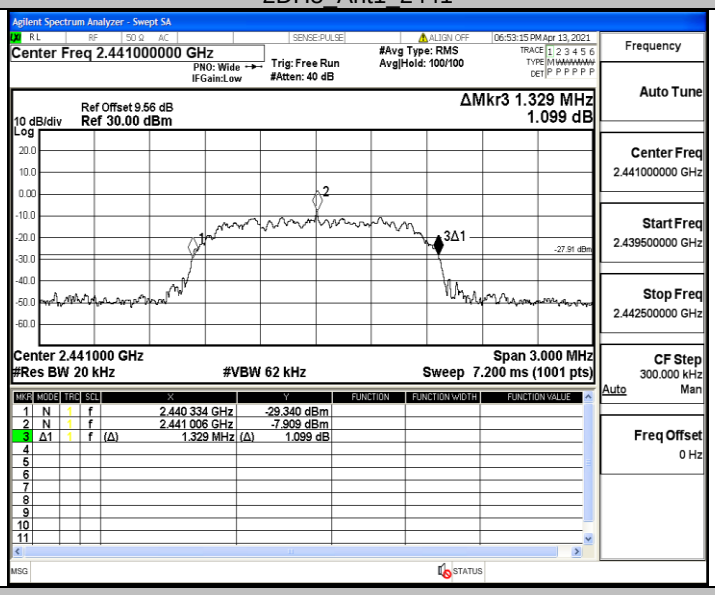
DH5_Ant1_2480



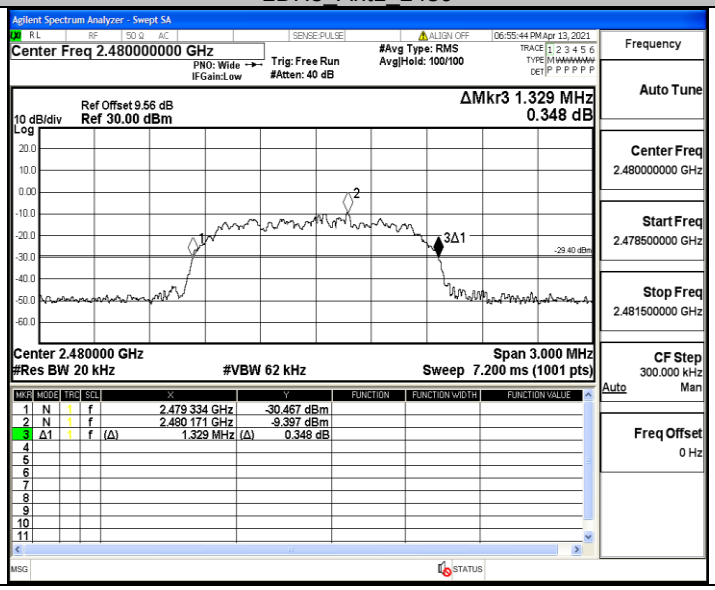
2DH5_Ant1_2402



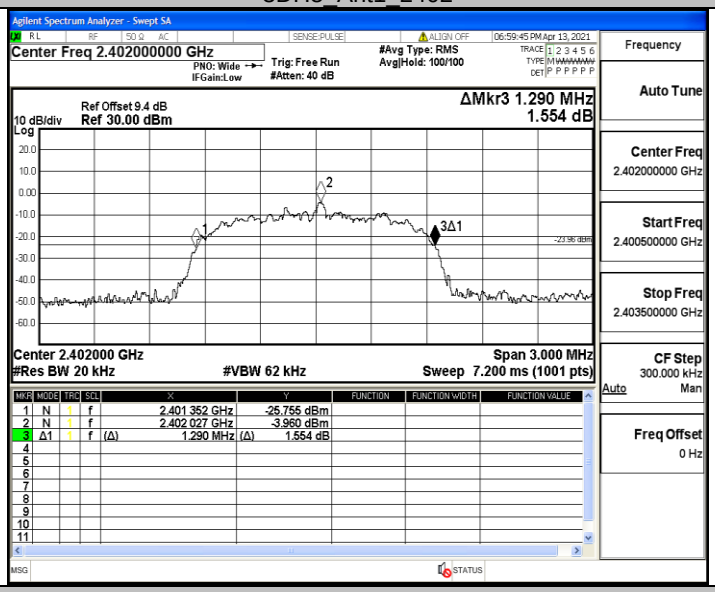
2DH5_Ant1_2441



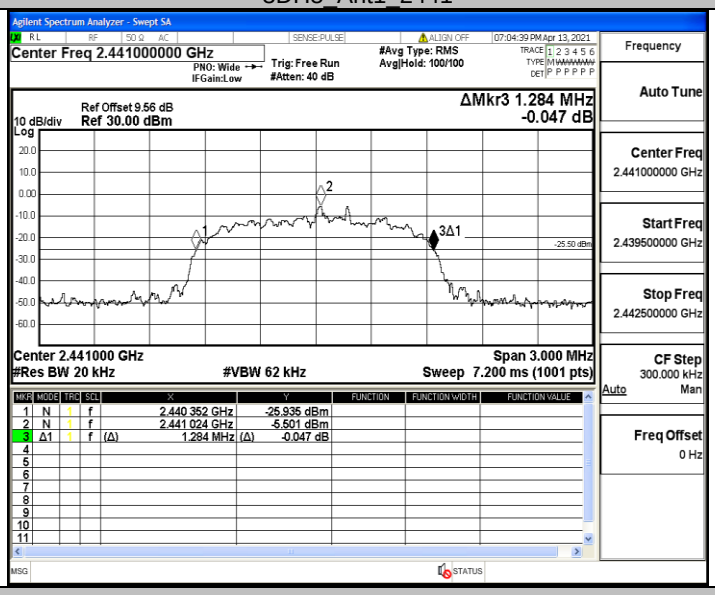
2DH5_Ant1_2480



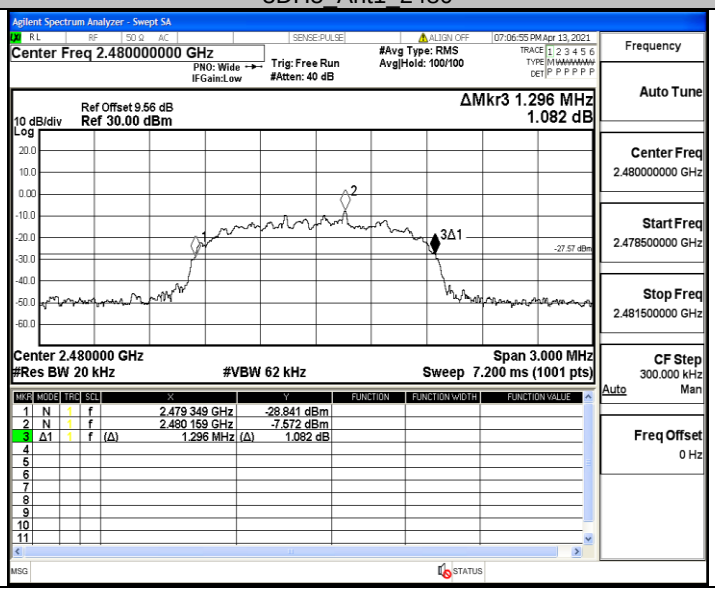
3DH5_Ant1_2402



3DH5_Ant1_2441



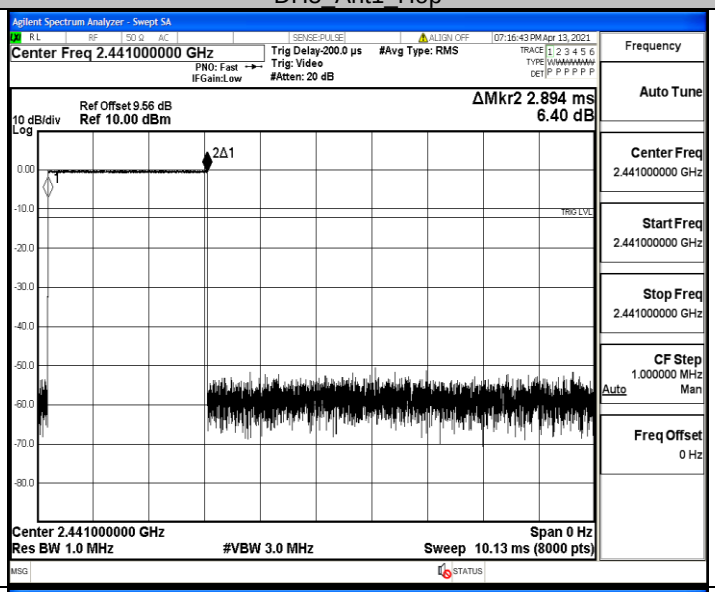
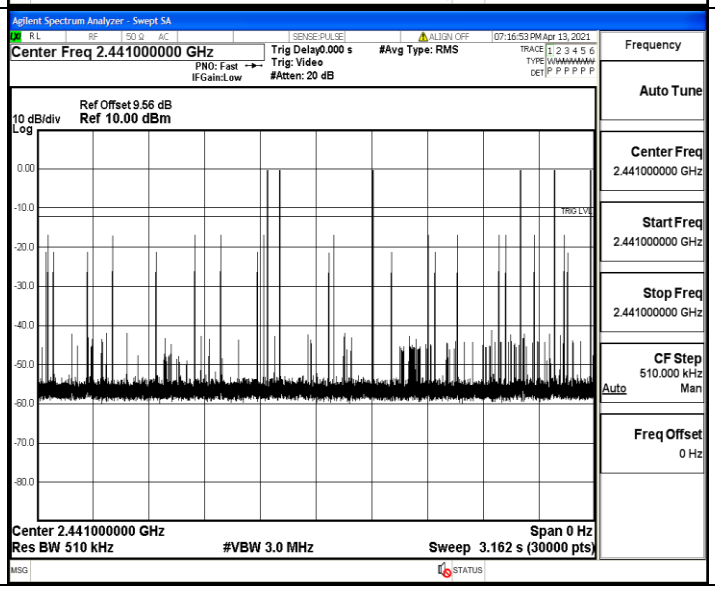
3DH5_Ant1_2480

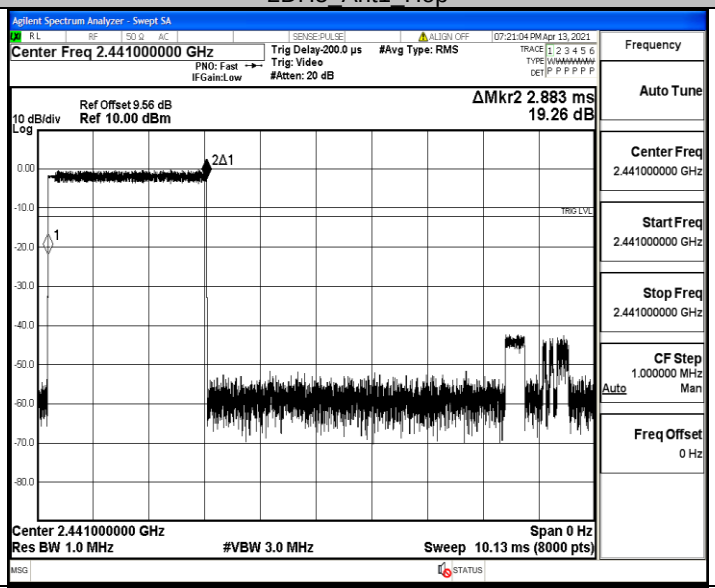
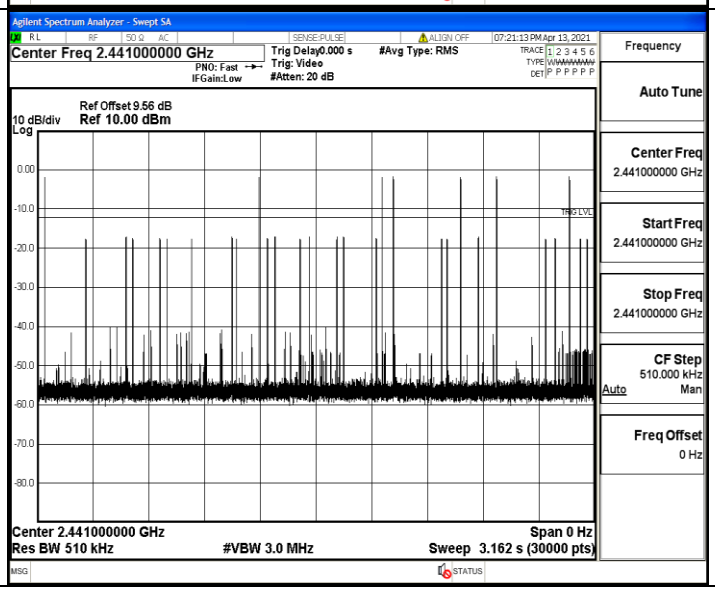


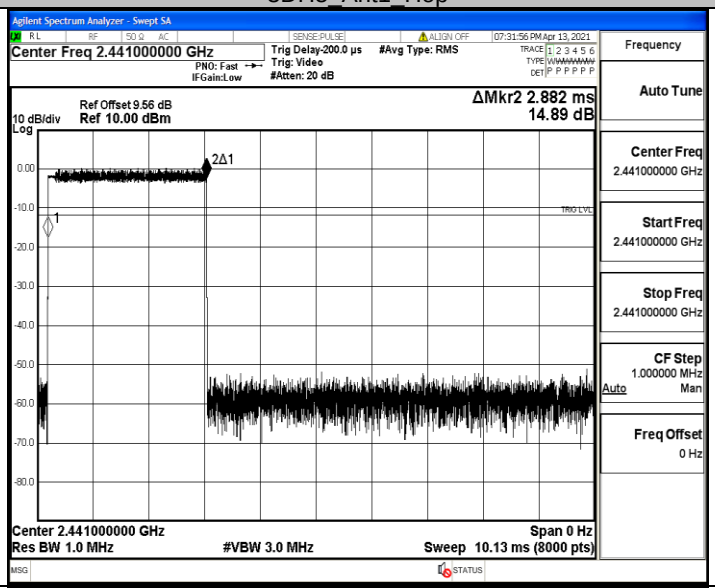
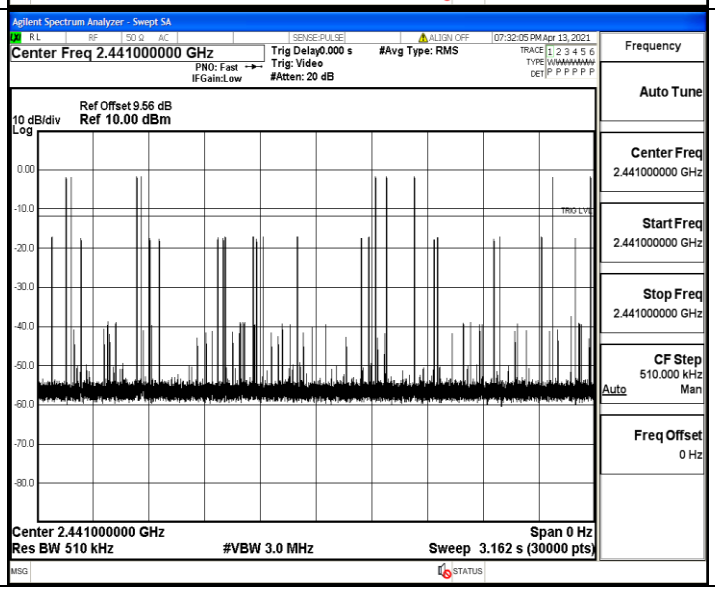
A.2 Dwell Time

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	70	0.203	<=0.4	PASS
2DH5	Ant1	Hop	2.88	80	0.231	<=0.4	PASS
3DH5	Ant1	Hop	2.88	100	0.288	<=0.4	PASS

Test Graph

DH5_Ant1_Hop



2DH5_Ant1_Hop



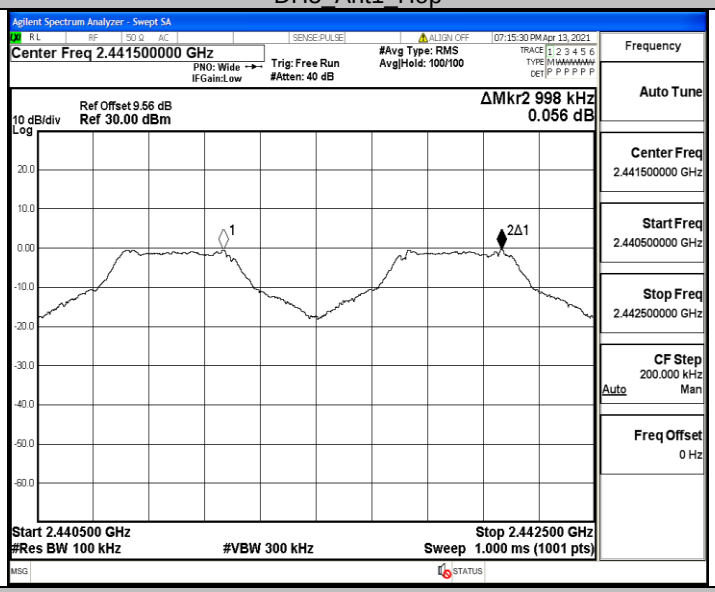
3DH5_Ant1_Hop



A.3 Carrier Frequency Separation

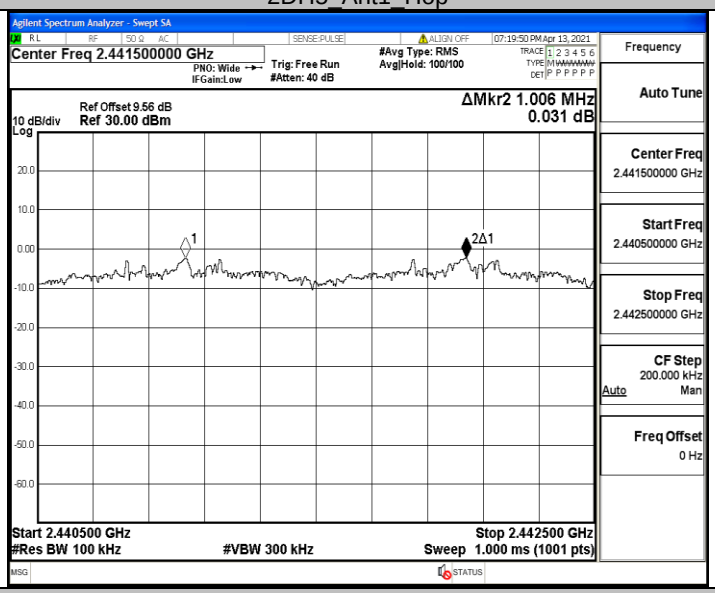
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	>=0.948	PASS
2DH5	Ant1	Hop	1.006	>=0.886	PASS
3DH5	Ant1	Hop	0.994	>=0.864	PASS

Test Graph

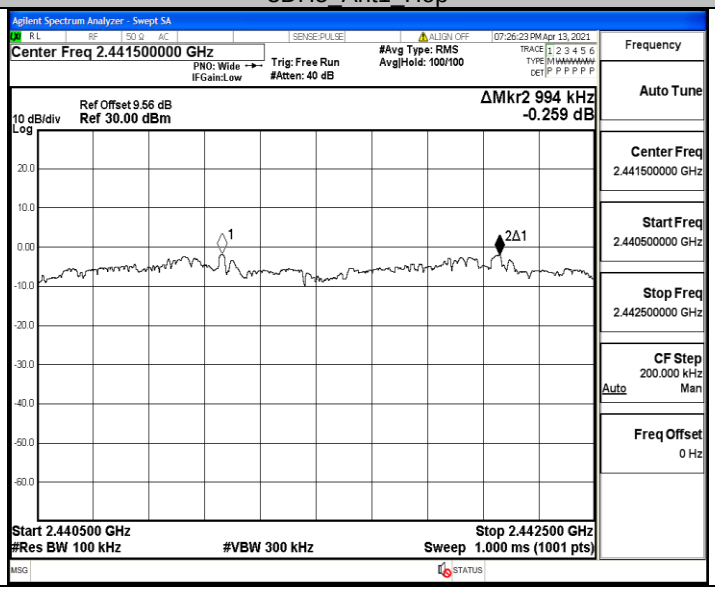
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

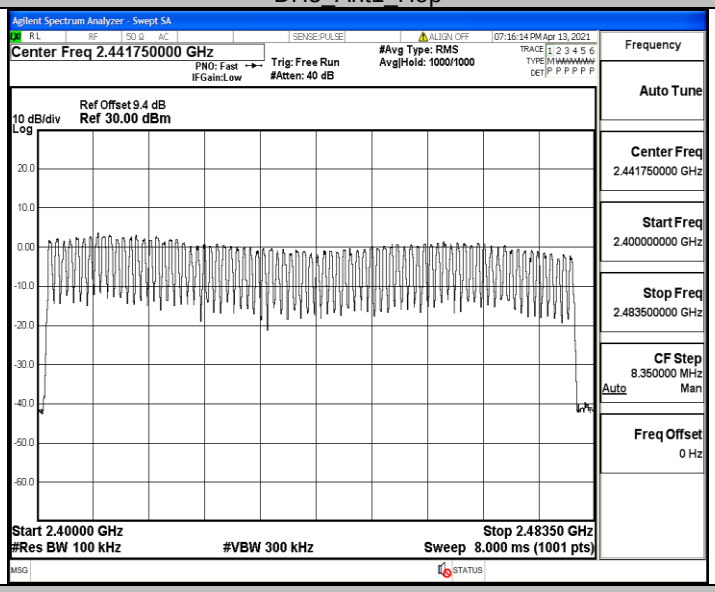


A.4 Hopping Channel Number

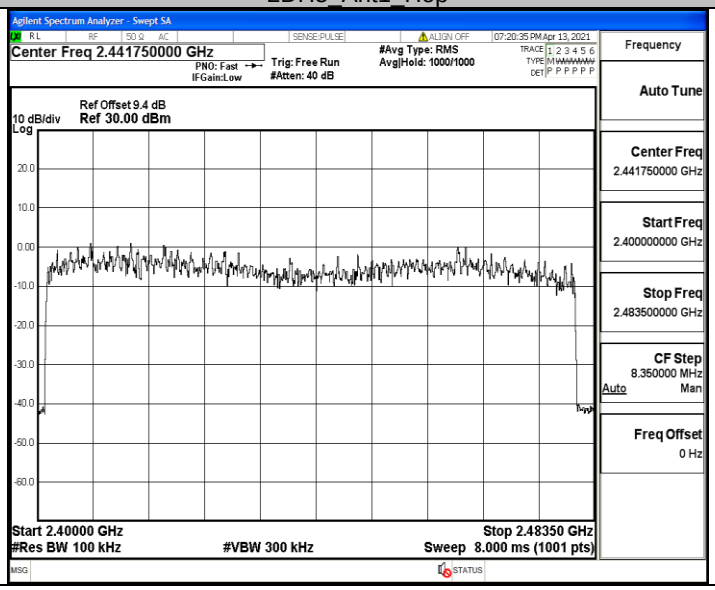
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS
3DH5	Ant1	Hop	79	>=15	PASS

Test Graph

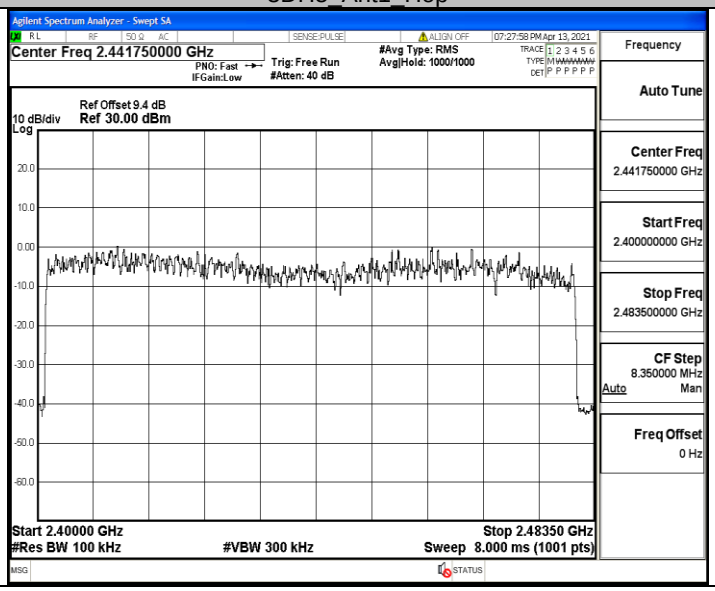
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

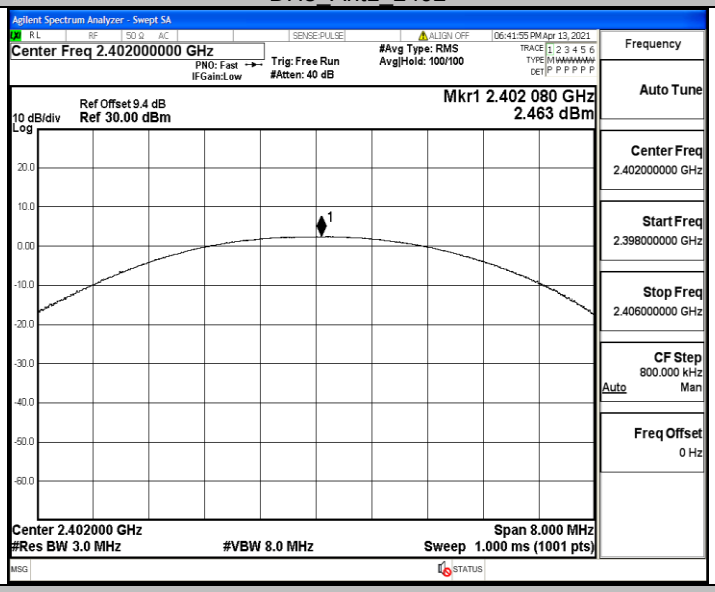


A.5 Conducted Peak Output Power

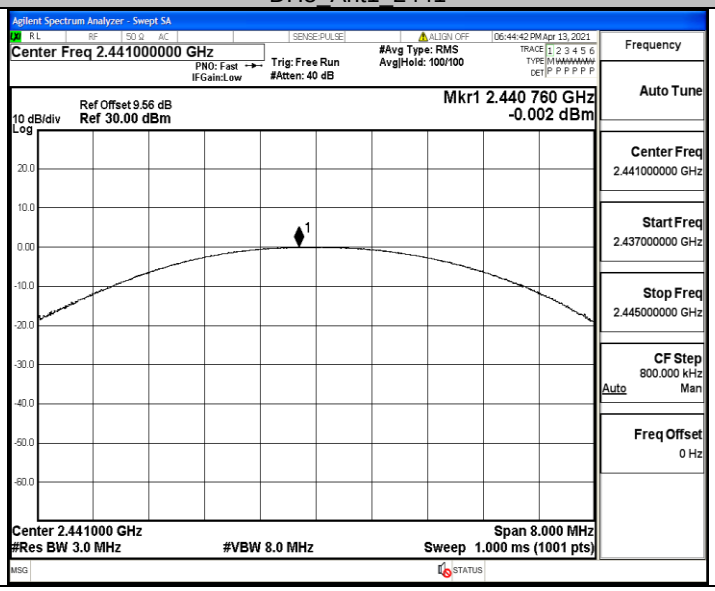
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.46	<=20.97	PASS
		2441	0	<=20.97	PASS
		2480	-1.47	<=20.97	PASS
2DH5	Ant1	2402	1.96	<=20.97	PASS
		2441	0.4	<=20.97	PASS
		2480	-1.01	<=20.97	PASS
3DH5	Ant1	2402	2.32	<=20.97	PASS
		2441	0.7	<=20.97	PASS
		2480	-0.72	<=20.97	PASS

Test Graph

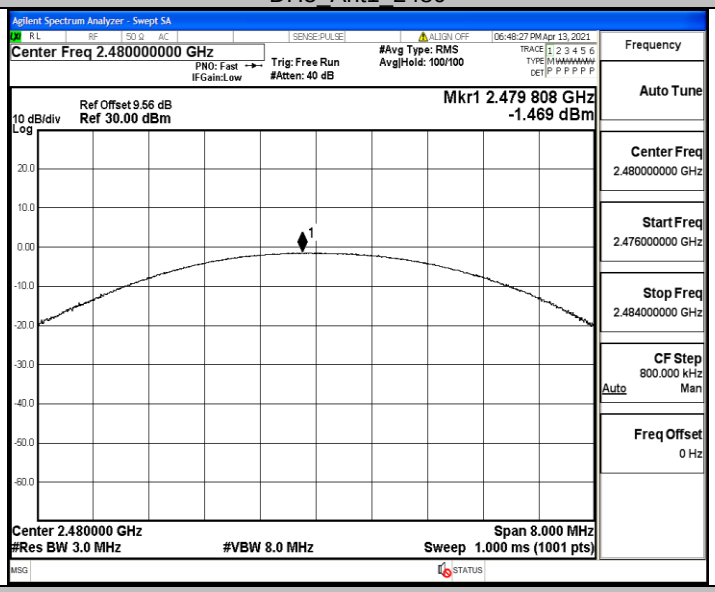
DH5_Ant1_2402



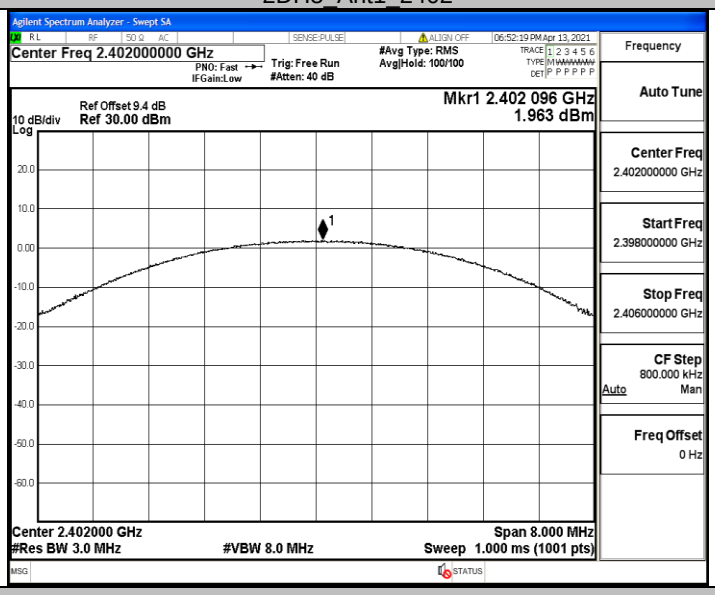
DH5_Ant1_2441



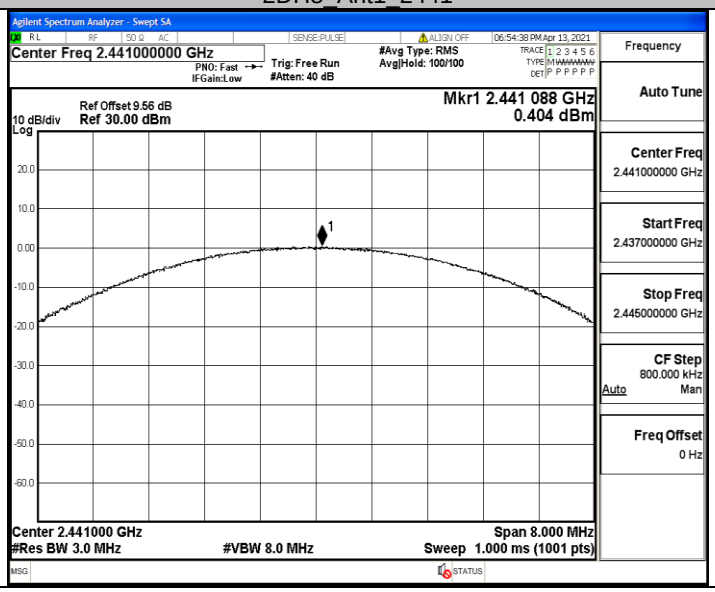
DH5_Ant1_2480



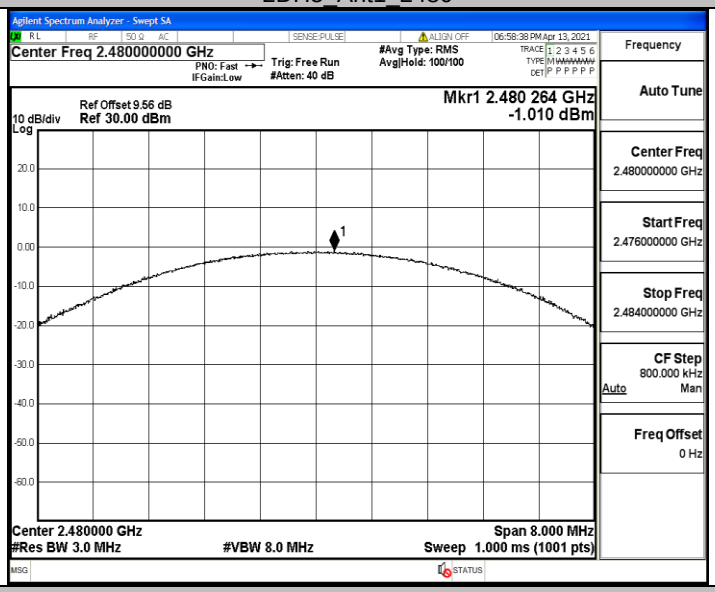
2DH5_Ant1_2402



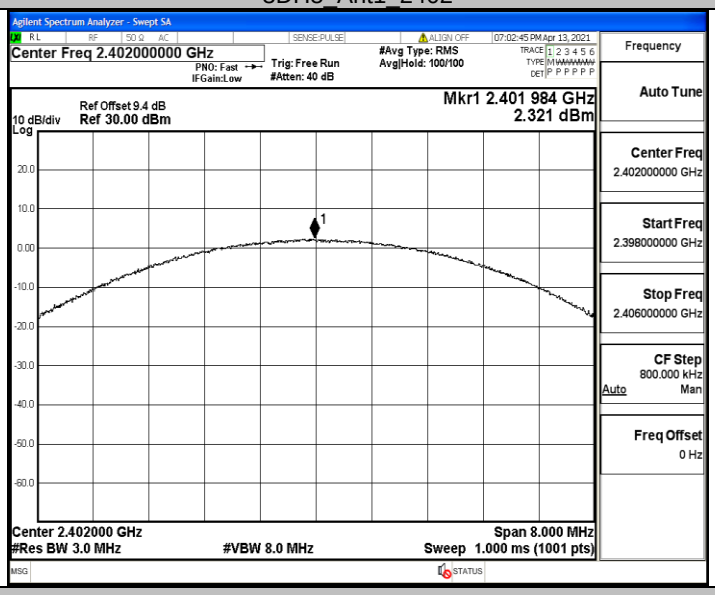
2DH5_Ant1_2441



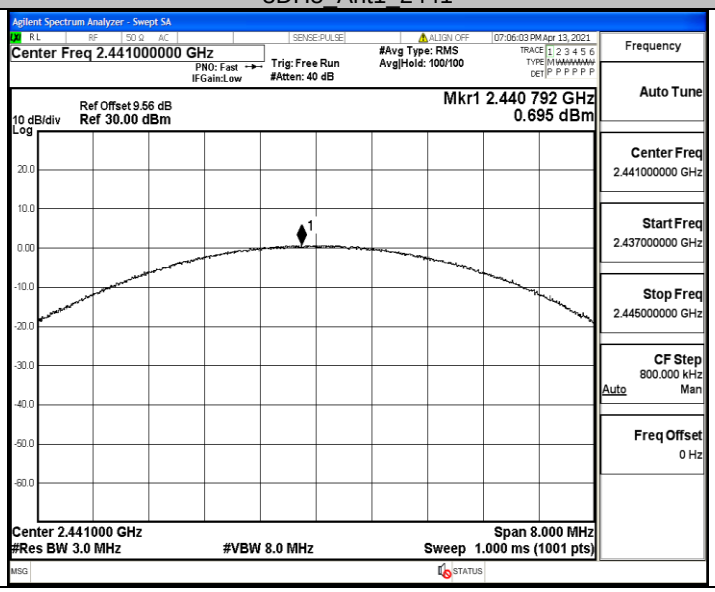
2DH5_Ant1_2480



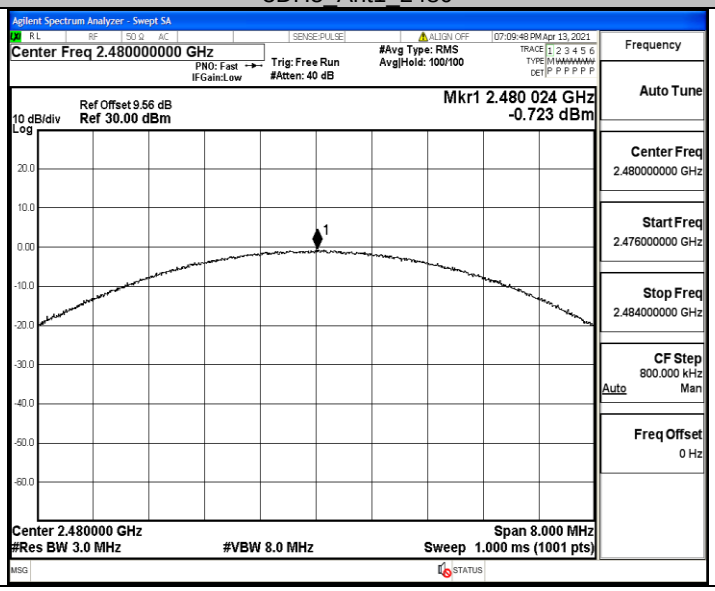
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

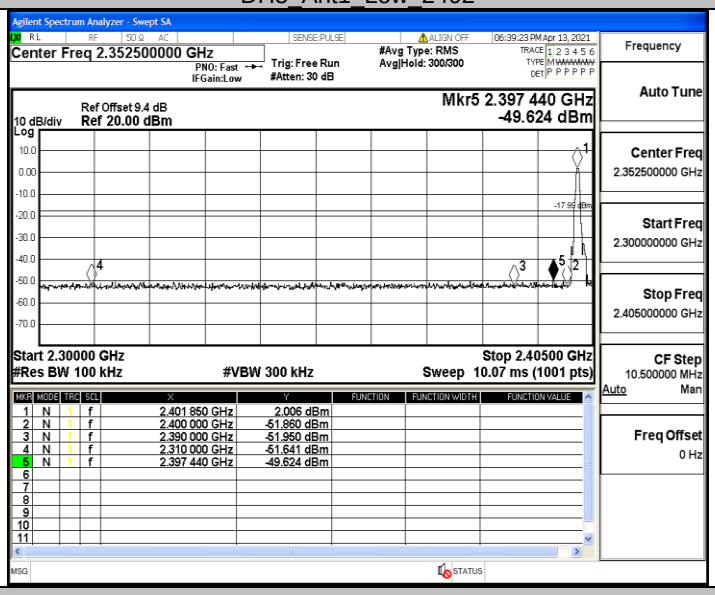


A.6 Band-edge for RF Conducted Emissions

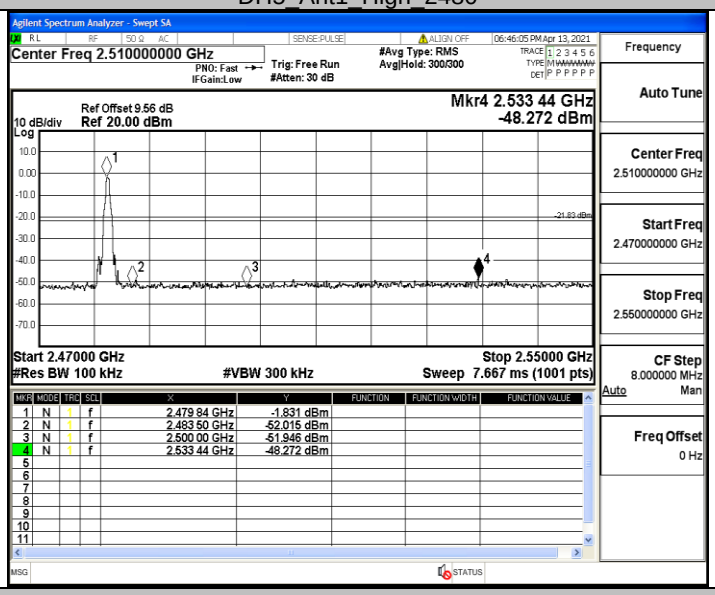
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.01	-49.62	<=-17.99	PASS
		High	2480	-1.83	-48.27	<=-21.83	PASS
		Low	Hop_2402	1.48	-50.44	<=-18.52	PASS
		High	Hop_2480	0.50	-48.7	<=-19.5	PASS
2DH5	Ant1	Low	2402	-0.27	-49.19	<=-20.27	PASS
		High	2480	-3.37	-47.84	<=-23.37	PASS
		Low	Hop_2402	-4.18	-49.74	<=-24.18	PASS
		High	Hop_2480	-4.13	-48.32	<=-24.13	PASS
3DH5	Ant1	Low	2402	-0.13	-48.88	<=-20.13	PASS
		High	2480	-3.81	-48.51	<=-23.81	PASS
		Low	Hop_2402	-0.28	-49.83	<=-20.28	PASS
		High	Hop_2480	-4.05	-48.95	<=-24.05	PASS

Test Graph

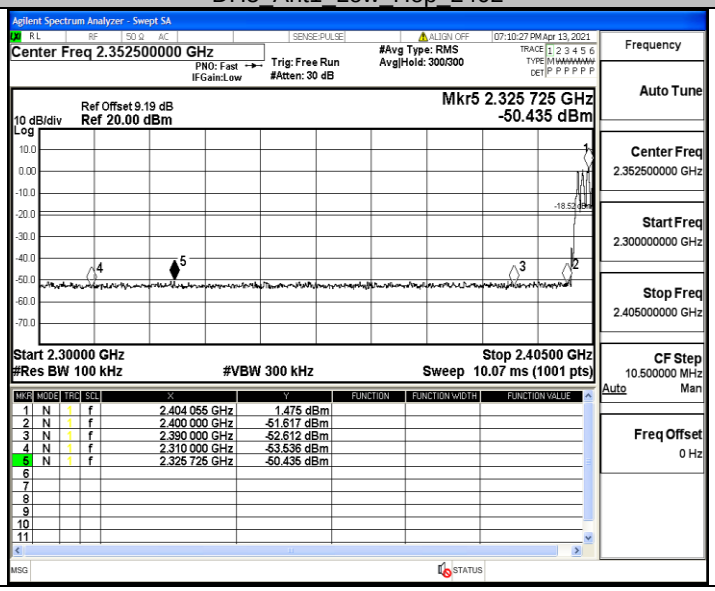
DH5_Ant1_Low_2402



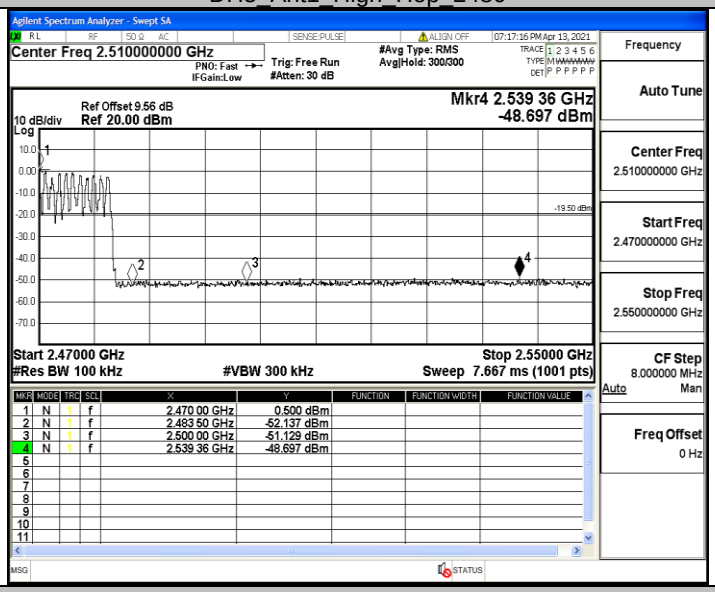
DH5_Ant1_High_2480



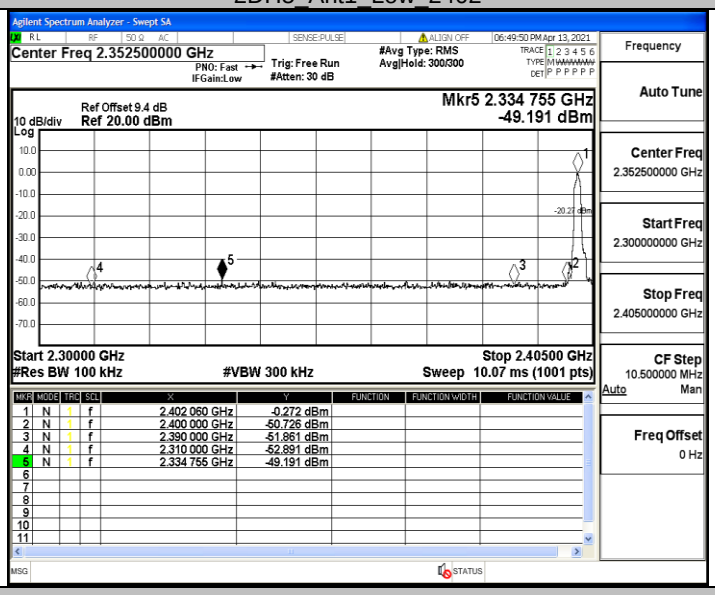
DH5_Ant1_Low_Hop_2402



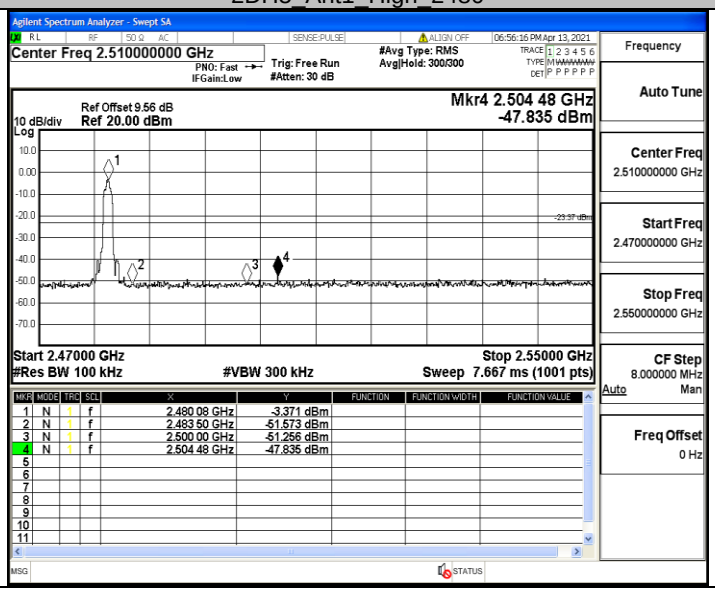
DH5_Ant1_High_Hop_2480



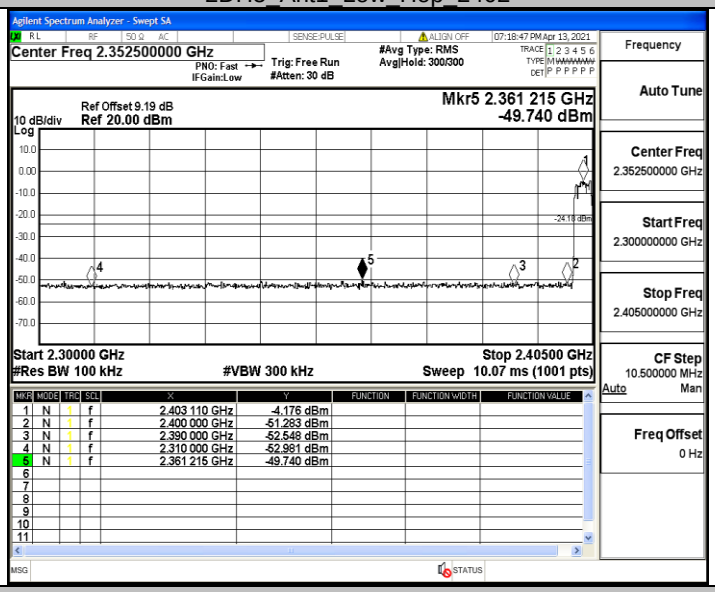
2DH5_Ant1_Low_2402



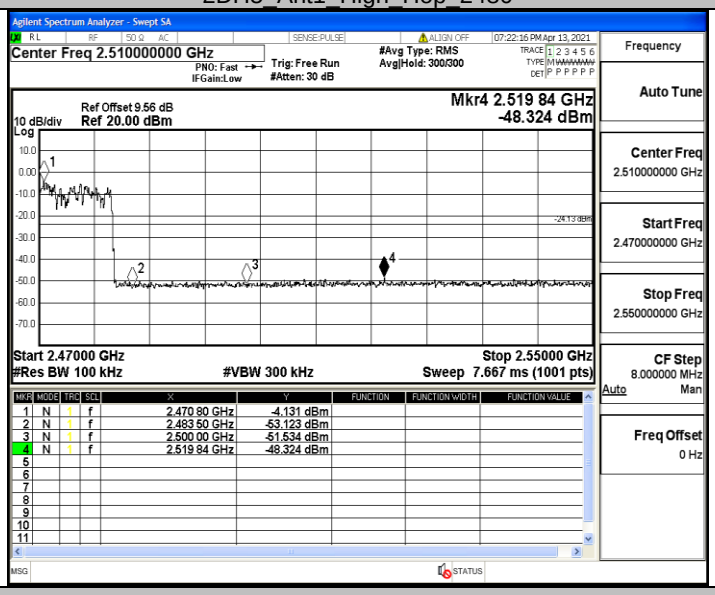
2DH5_Ant1_High_2480



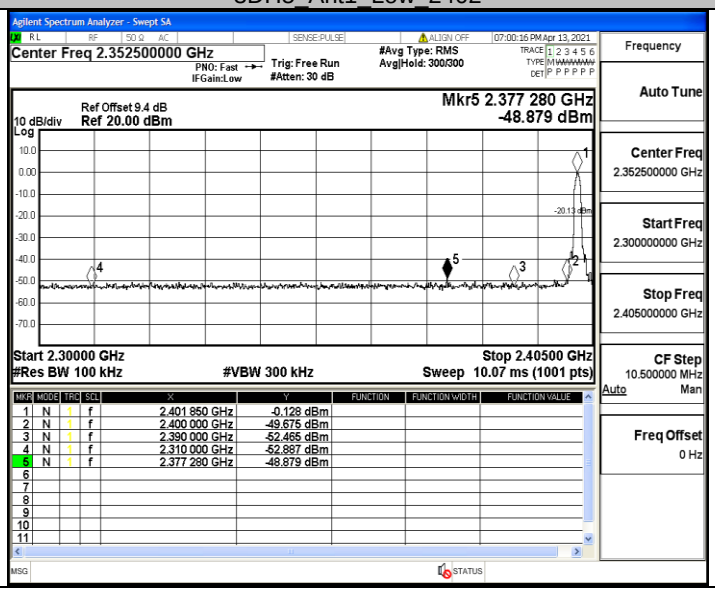
2DH5_Ant1_Low_Hop_2402



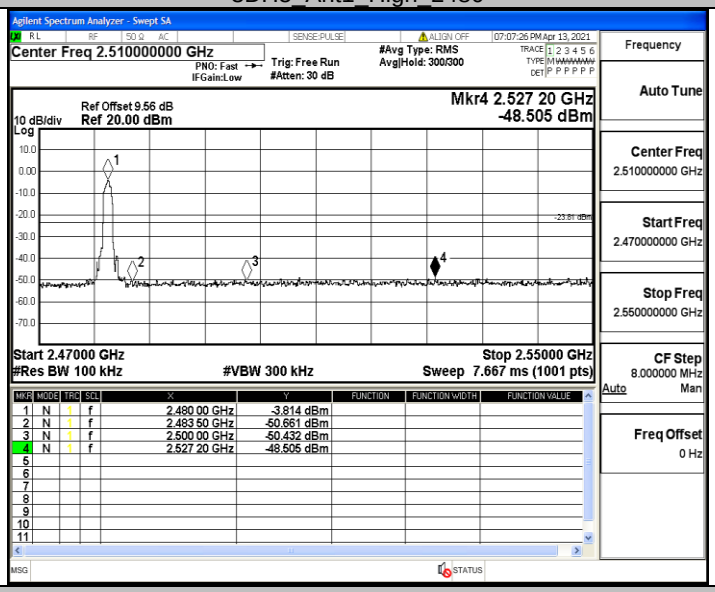
2DH5_Ant1_High_Hop_2480



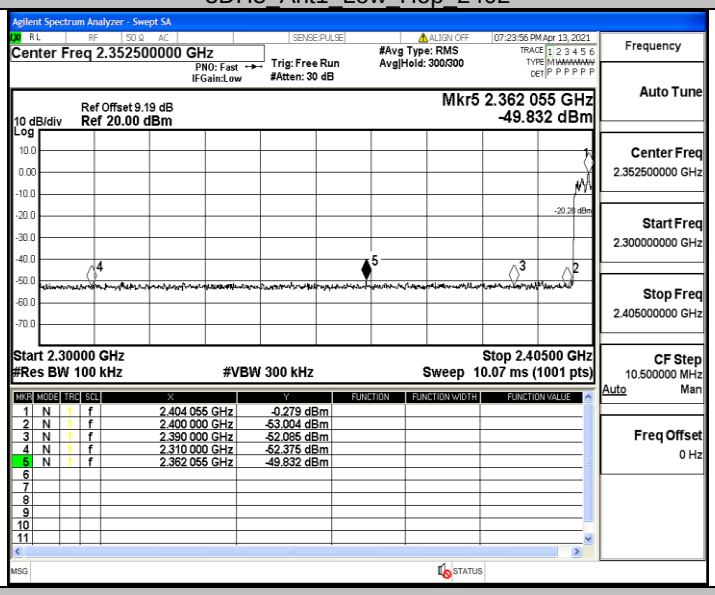
3DH5_Ant1_Low_2402



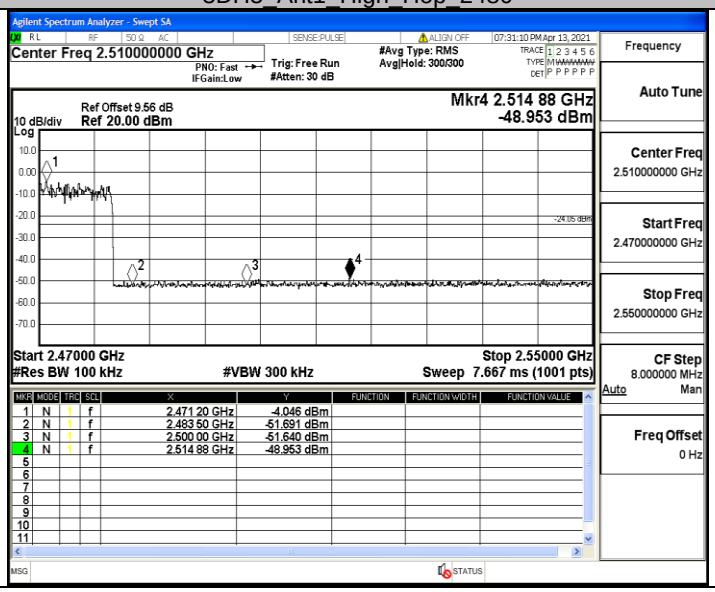
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



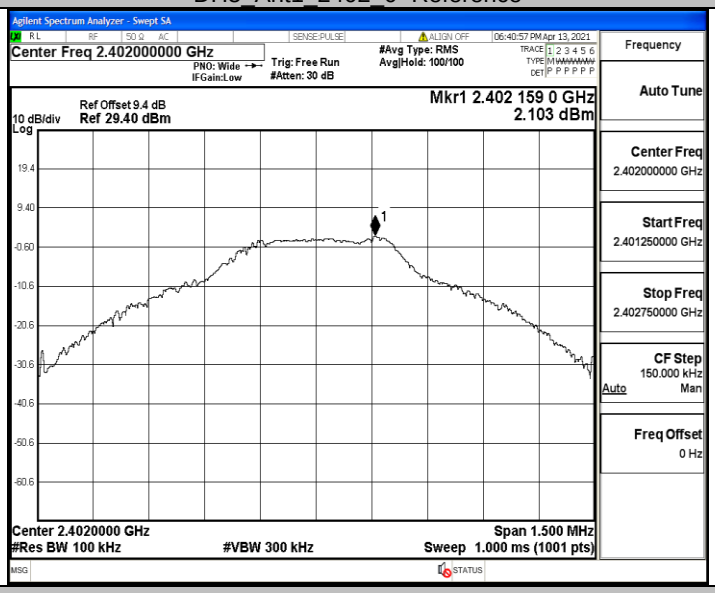
3DH5_Ant1_High_Hop_2480



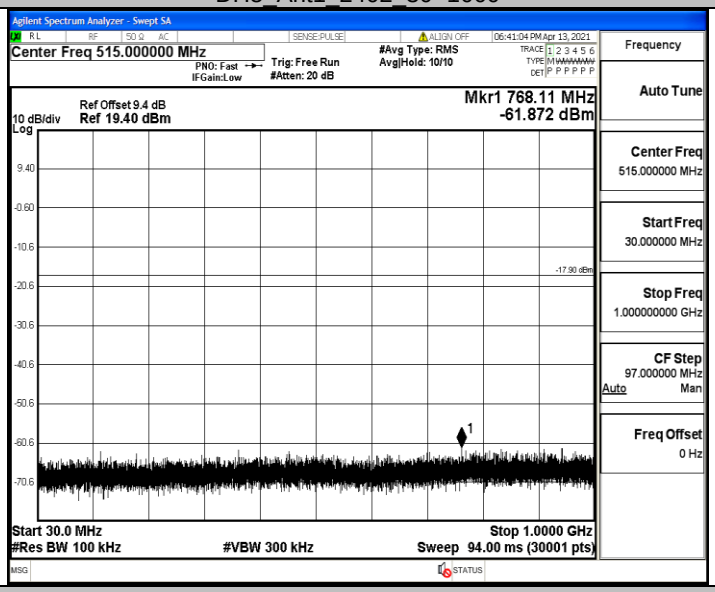
A.7 RF Conducted Spurious Emissions

Test Graph

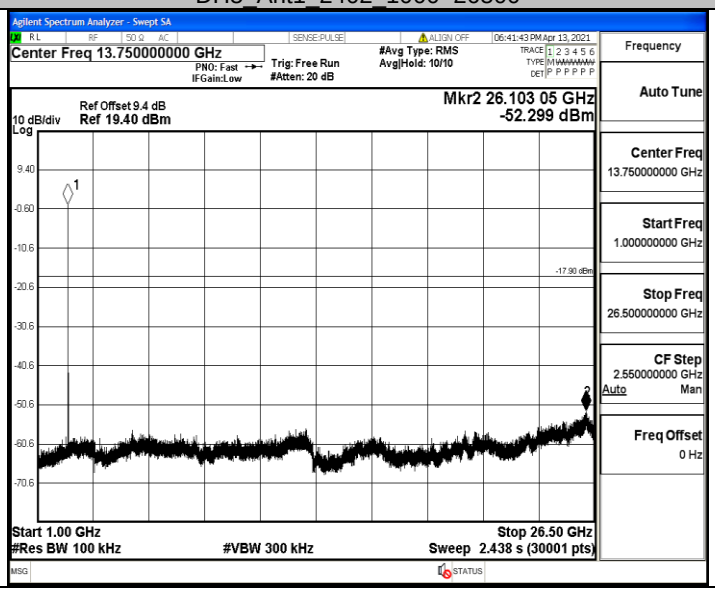
DH5_Ant1_2402_0~Reference



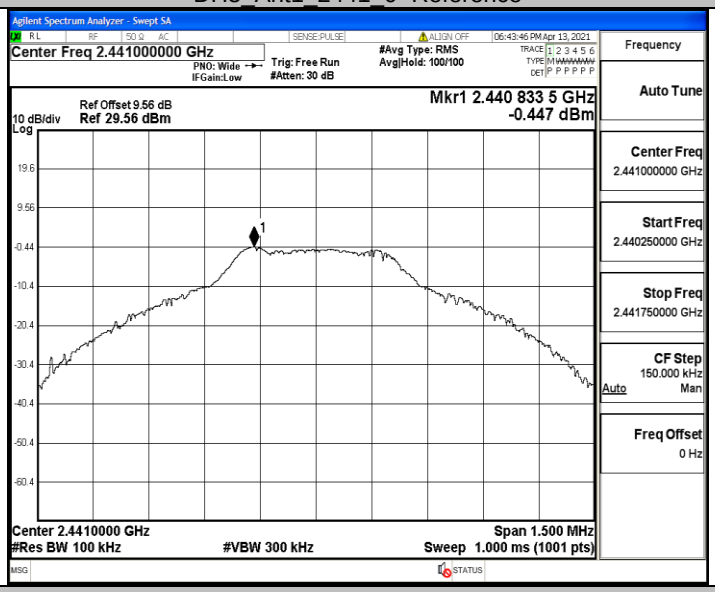
DH5_Ant1_2402_30~1000



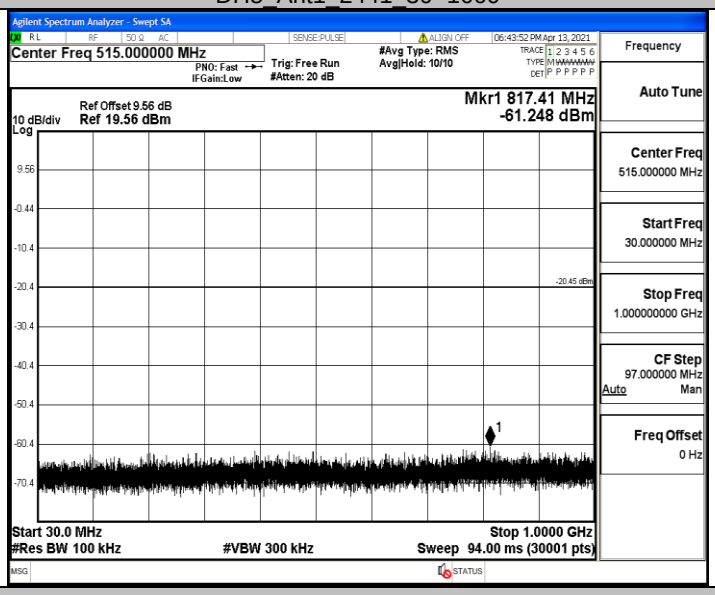
DH5_Ant1_2402_1000~26500



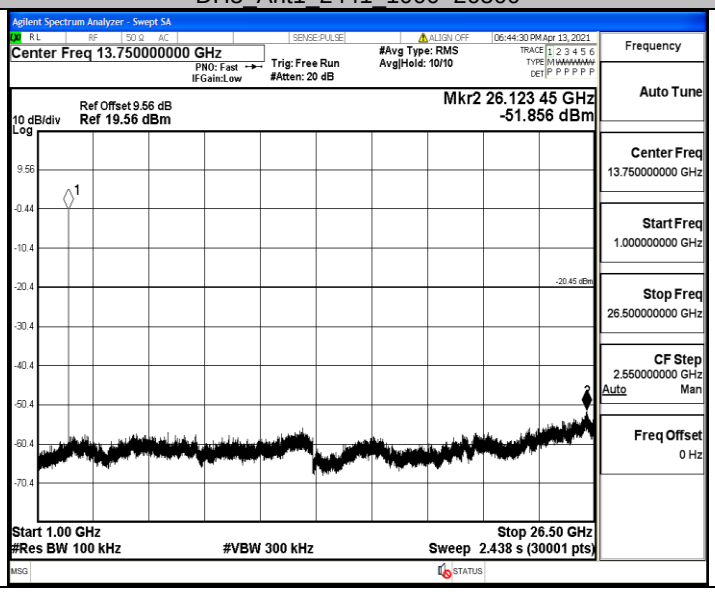
DH5_Ant1_2441_0~Reference



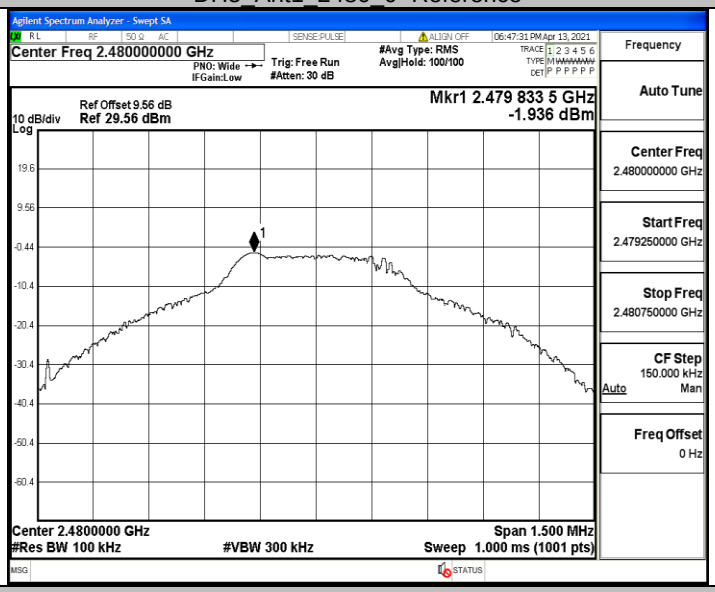
DH5_Ant1_2441_30~1000



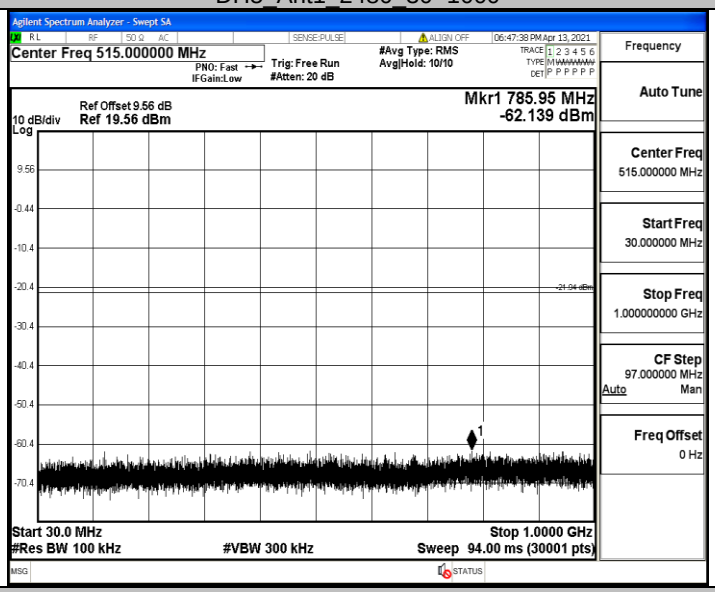
DH5_Ant1_2441_1000~26500



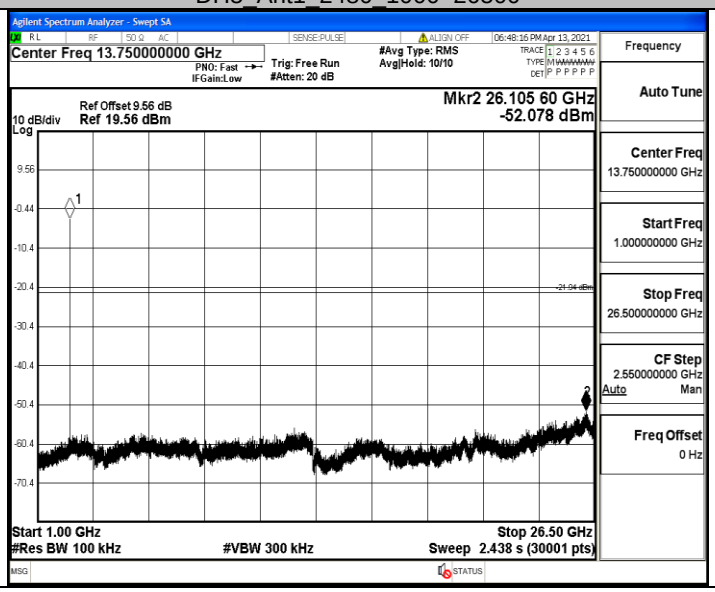
DH5_Ant1_2480_0~Reference



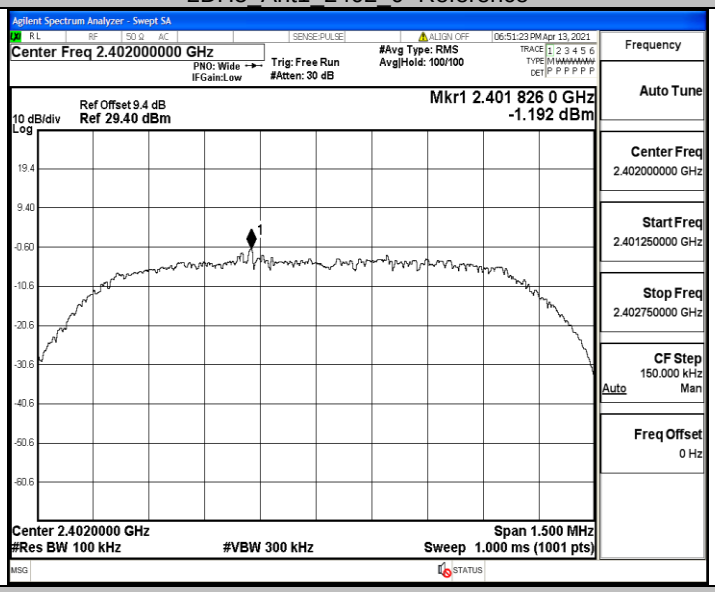
DH5_Ant1_2480_30~1000



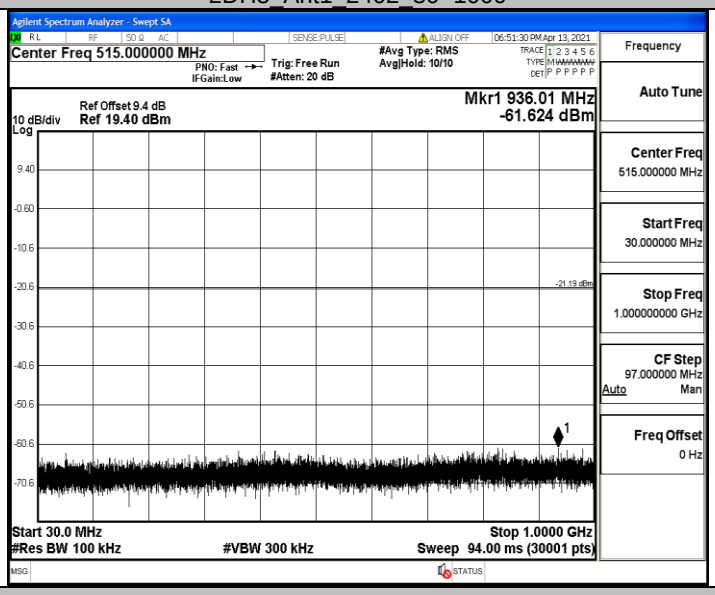
DH5_Ant1_2480_1000~26500



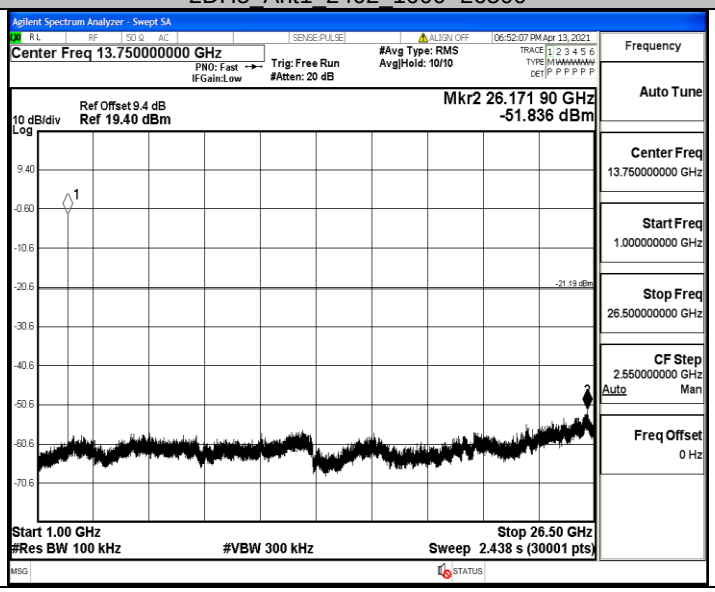
2DH5_Ant1_2402_0~Reference



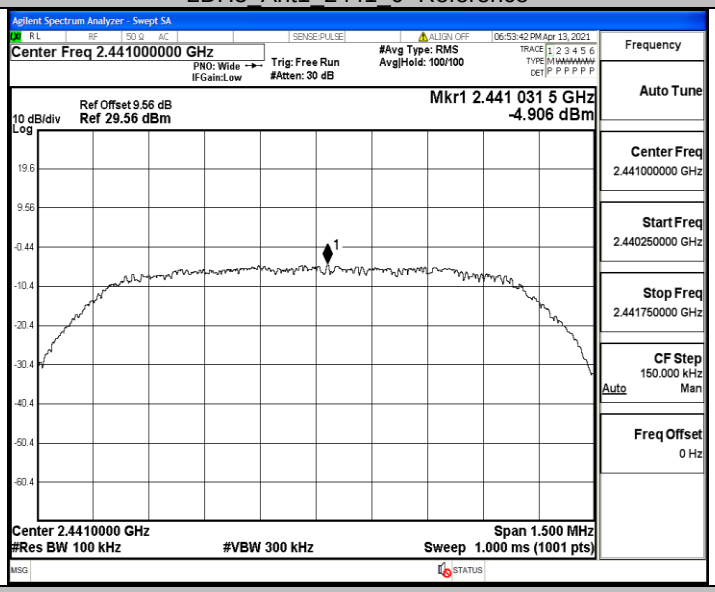
2DH5_Ant1_2402_30~1000



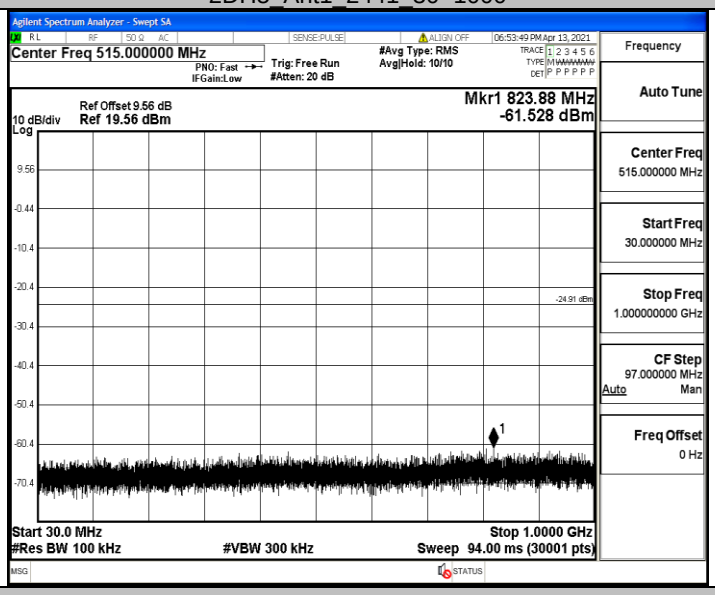
2DH5_Ant1_2402_1000~26500



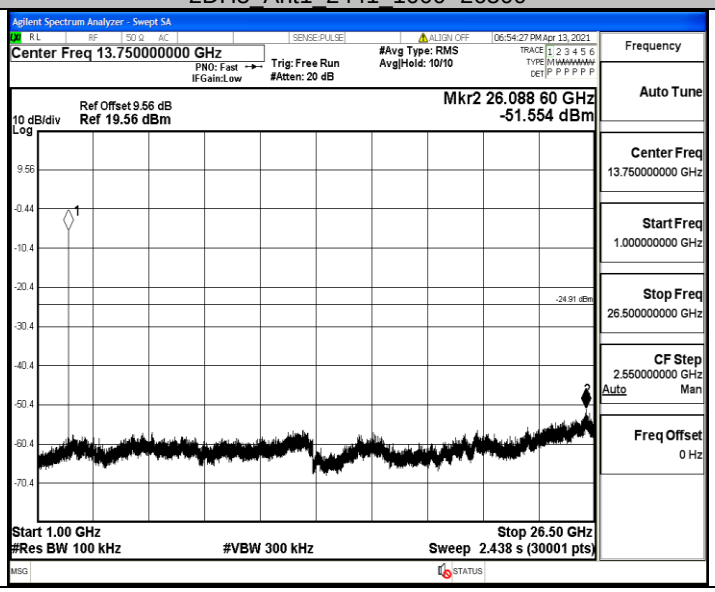
2DH5_Ant1_2441_0~Reference



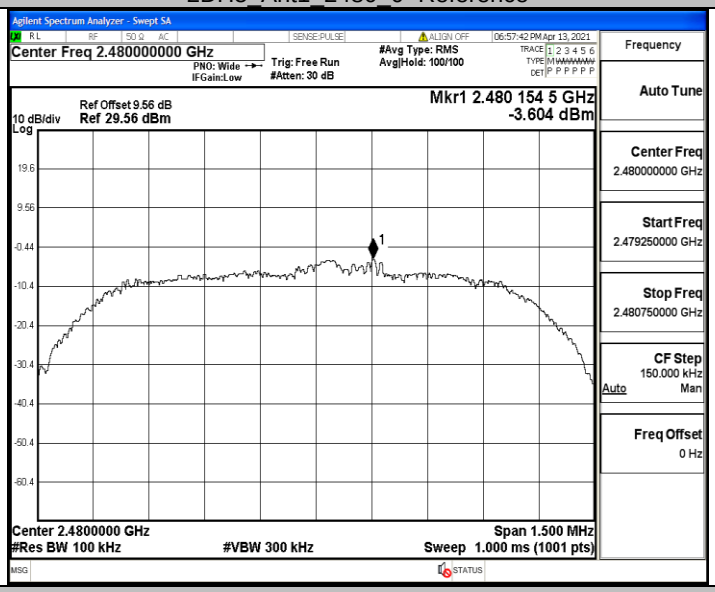
2DH5_Ant1_2441_30~1000



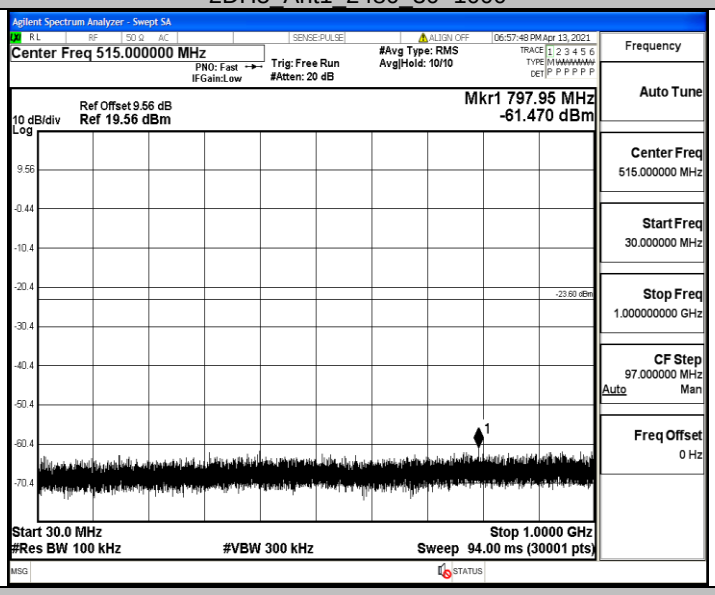
2DH5_Ant1_2441_1000~26500



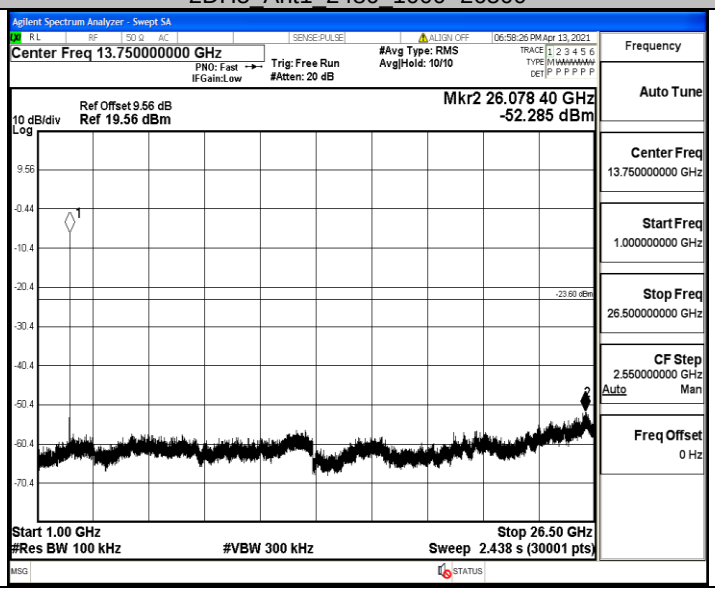
2DH5_Ant1_2480_0~Reference



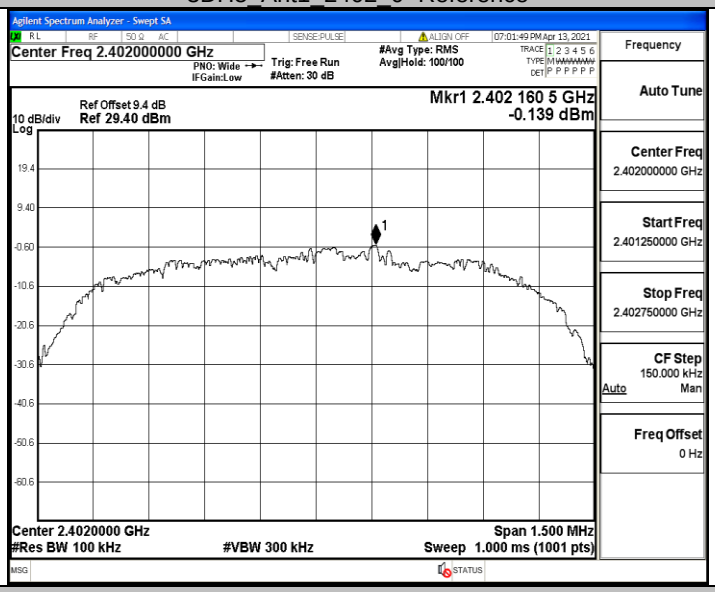
2DH5_Ant1_2480_30~1000



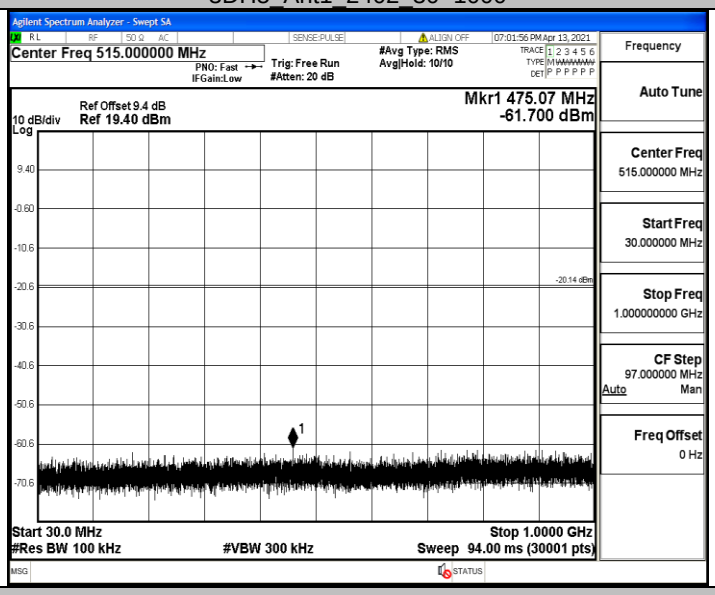
2DH5_Ant1_2480_1000~26500



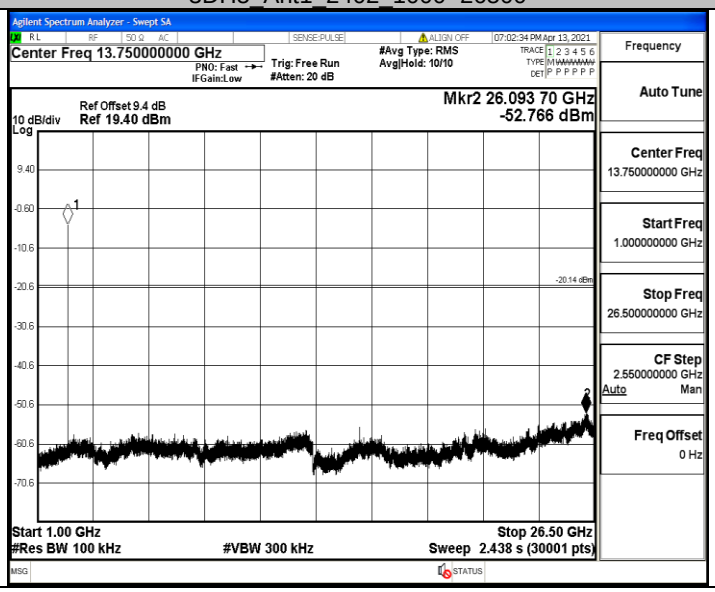
3DH5_Ant1_2402_0~Reference



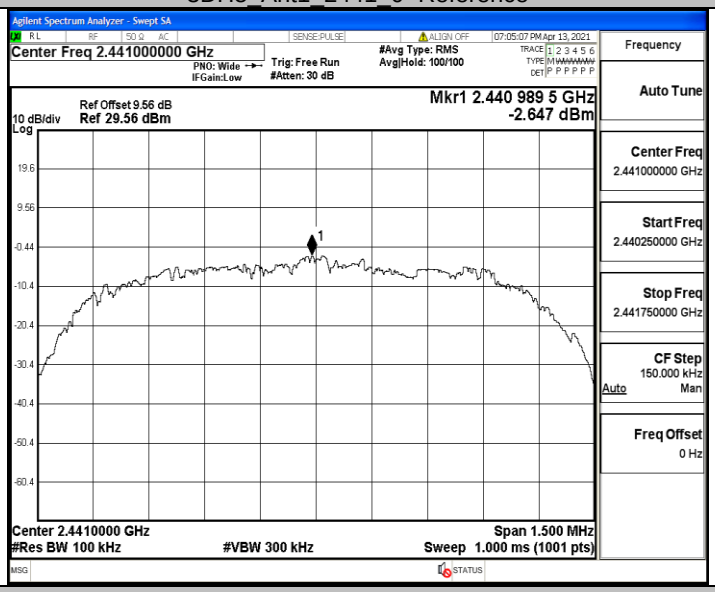
3DH5_Ant1_2402_30~1000



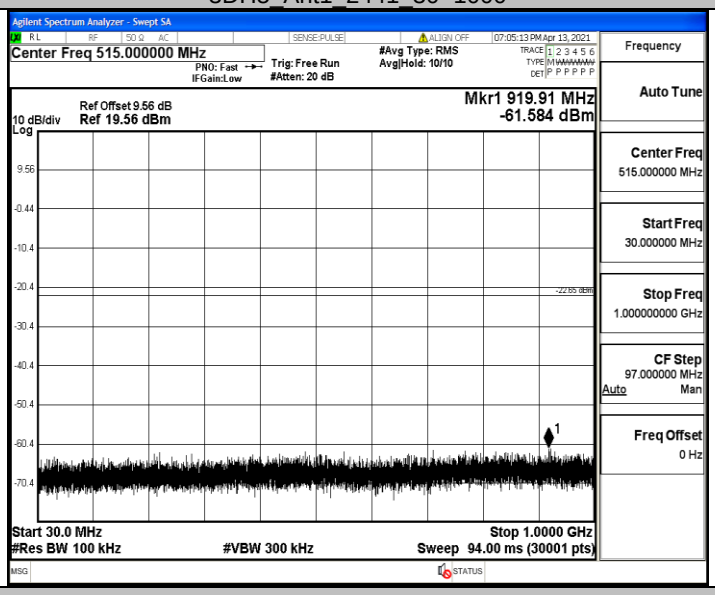
3DH5_Ant1_2402_1000~26500



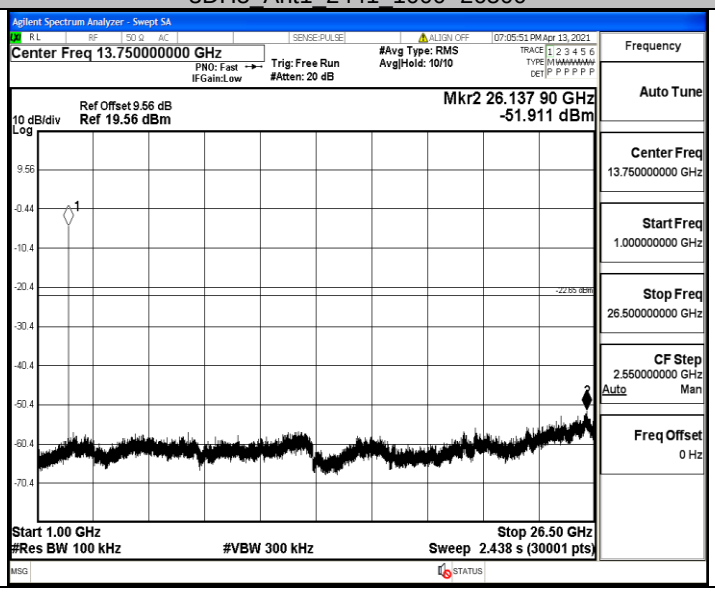
3DH5_Ant1_2441_0~Reference



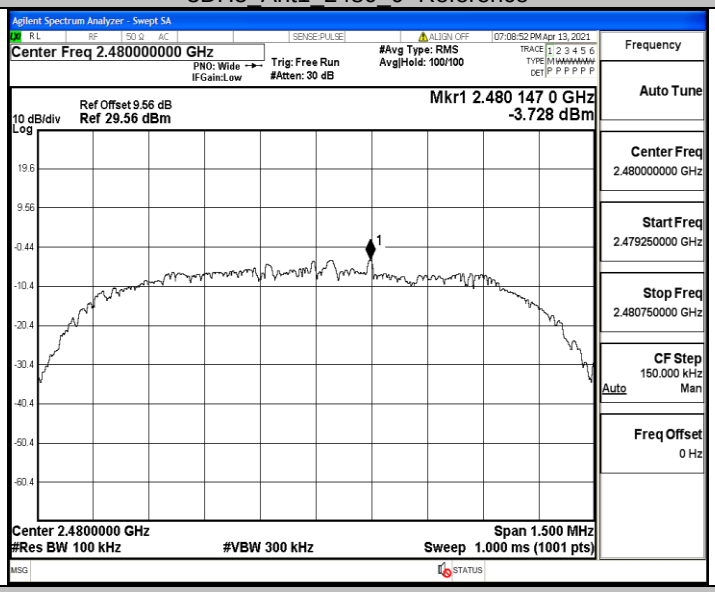
3DH5_Ant1_2441_30~1000



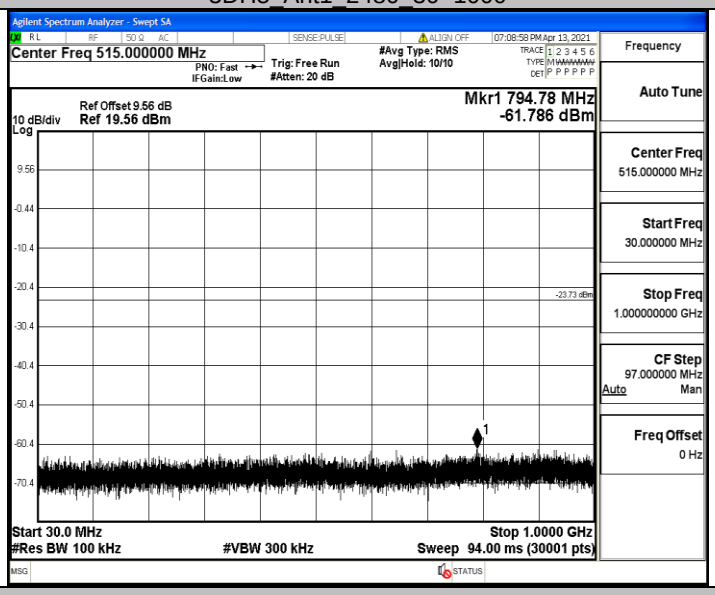
3DH5_Ant1_2441_1000~26500



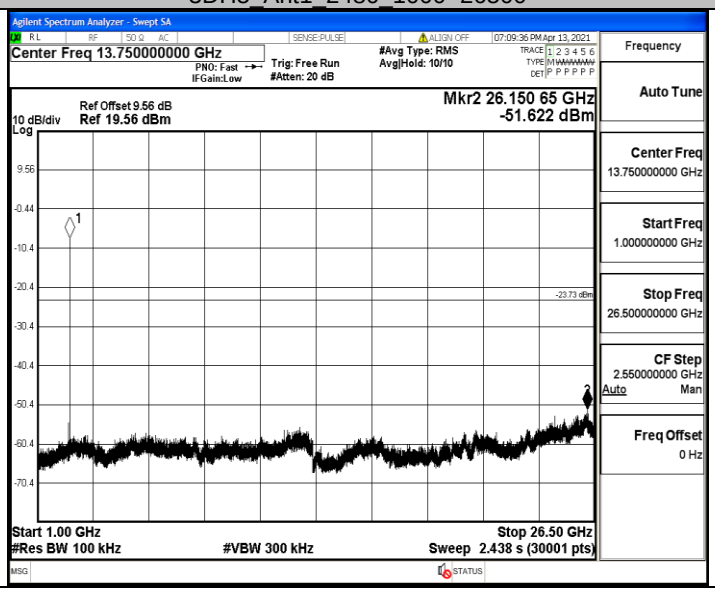
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



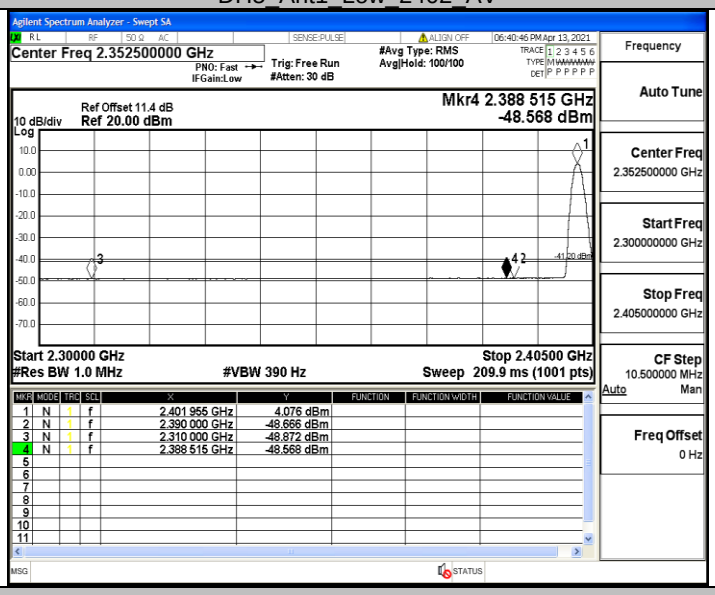
A.8 Restrict-band band-edge measurements

TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-48.87	<=-41.20	PASS
				AV	2388.515	-48.57	<=-41.20	PASS
				AV	2390.000	-48.67	<=-41.20	PASS
				Peak	2310.000	-41.76	<=-21.20	PASS
				Peak	2368.565	-38.37	<=-21.20	PASS
				Peak	2390.000	-42.31	<=-21.20	PASS
		High	2480	AV	2483.500	-48.06	<=-41.20	PASS
				AV	2498.640	-47.86	<=-41.20	PASS
				AV	2500.000	-48.04	<=-41.20	PASS
				Peak	2483.500	-40.85	<=-21.20	PASS
				Peak	2490.080	-38.72	<=-21.20	PASS
				Peak	2500.000	-39.09	<=-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.9	<=-41.20	PASS
				AV	2387.885	-48.51	<=-41.20	PASS
				AV	2390.000	-48.6	<=-41.20	PASS
				Peak	2310.000	-42.42	<=-21.20	PASS
				Peak	2319.950	-38.54	<=-21.20	PASS
				Peak	2390.000	-42.65	<=-21.20	PASS
		High	2480	AV	2483.500	-48.05	<=-41.20	PASS
				AV	2494.240	-47.86	<=-41.20	PASS
				AV	2500.000	-47.98	<=-41.20	PASS
				Peak	2483.500	-41.27	<=-21.20	PASS
				Peak	2491.040	-38.76	<=-21.20	PASS
				Peak	2500.000	-40.47	<=-21.20	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.98	<=-41.20	PASS
				AV	2355.020	-48.56	<=-41.20	PASS
				AV	2390.000	-48.65	<=-41.20	PASS
				Peak	2310.000	-42	<=-21.20	PASS
				Peak	2330.240	-38.74	<=-21.20	PASS
				Peak	2390.000	-42.66	<=-21.20	PASS
		High	2480	AV	2483.500	-47.88	<=-41.20	PASS
				AV	2496.000	-47.84	<=-41.20	PASS
				AV	2500.000	-48.02	<=-41.20	PASS
				Peak	2483.500	-40.04	<=-21.20	PASS
				Peak	2490.320	-37.44	<=-21.20	PASS
				Peak	2500.000	-41.13	<=-21.20	PASS

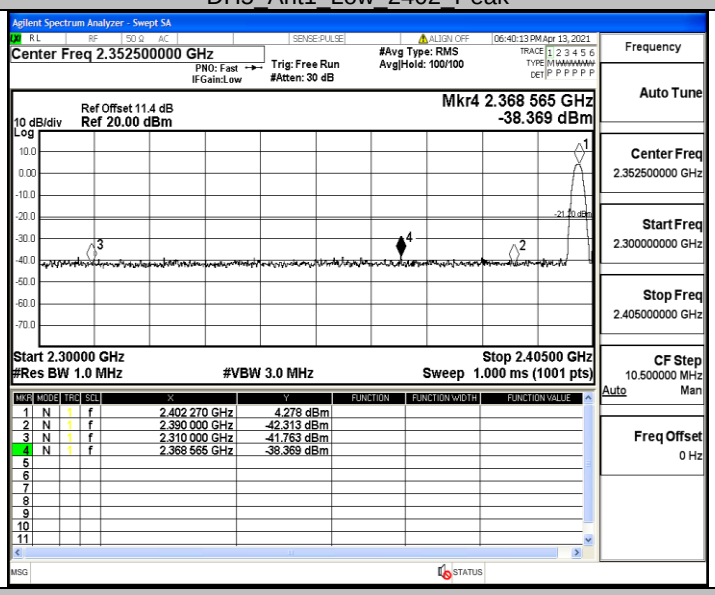
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

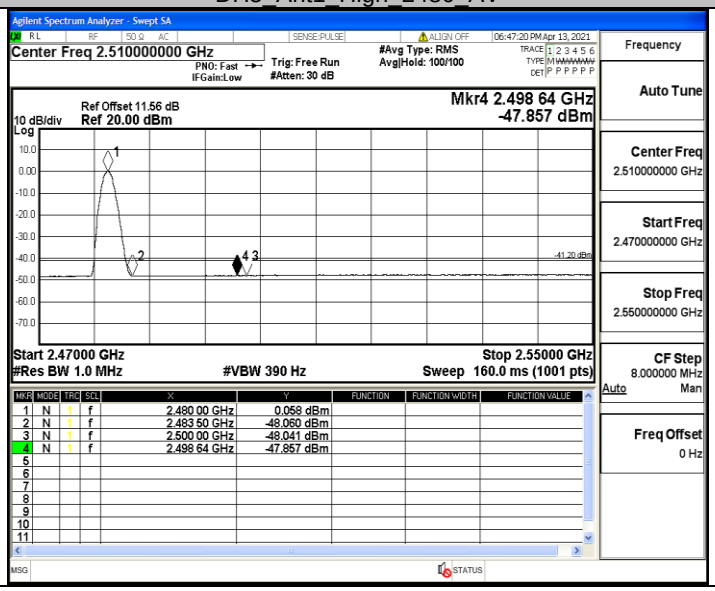
DH5_Ant1_Low_2402_AV



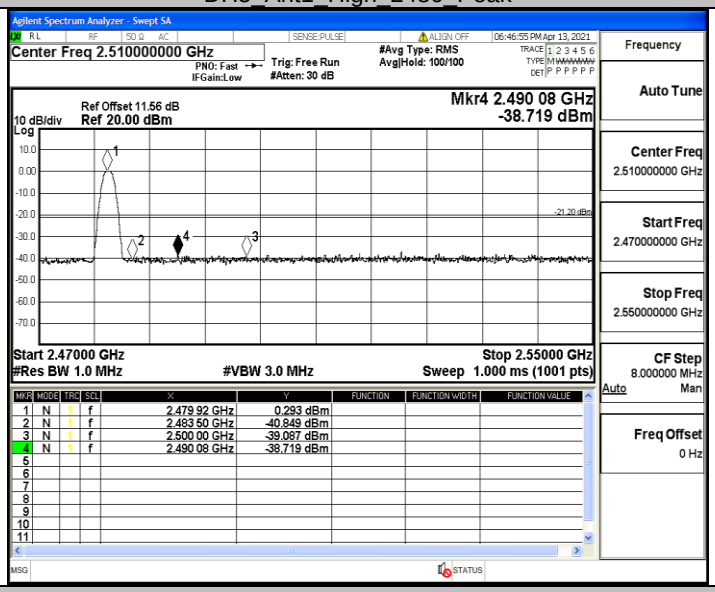
DH5_Ant1_Low_2402_Peak



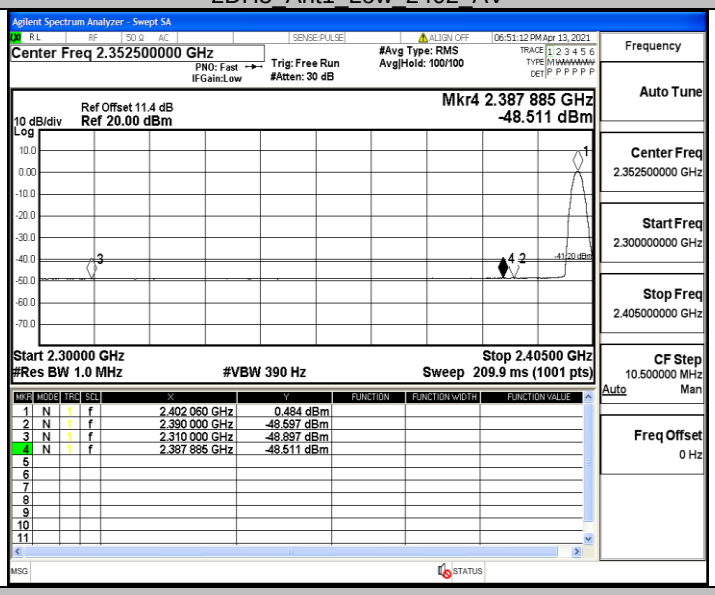
DH5_Ant1_High_2480_AV



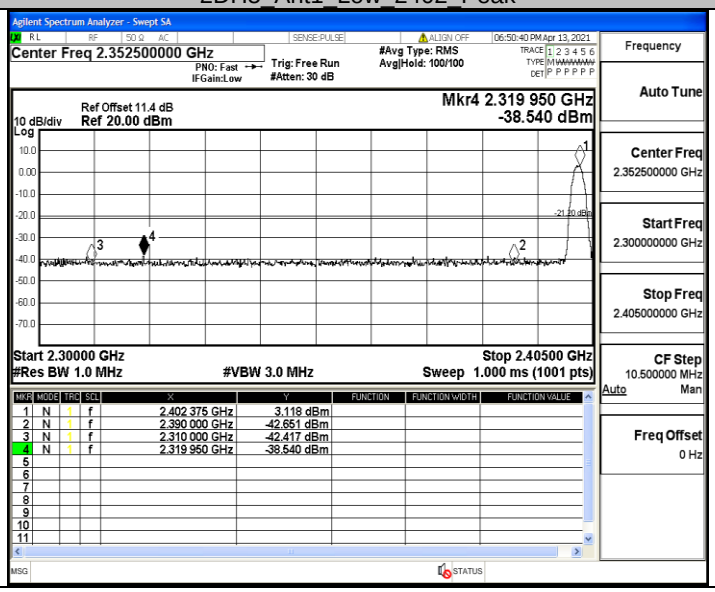
DH5_Ant1_High_2480_Peak



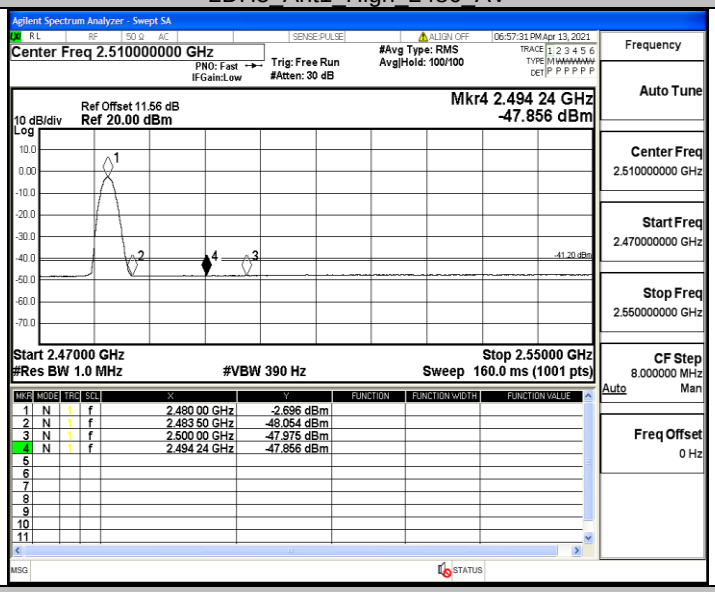
2DH5_Ant1_Low_2402_AV



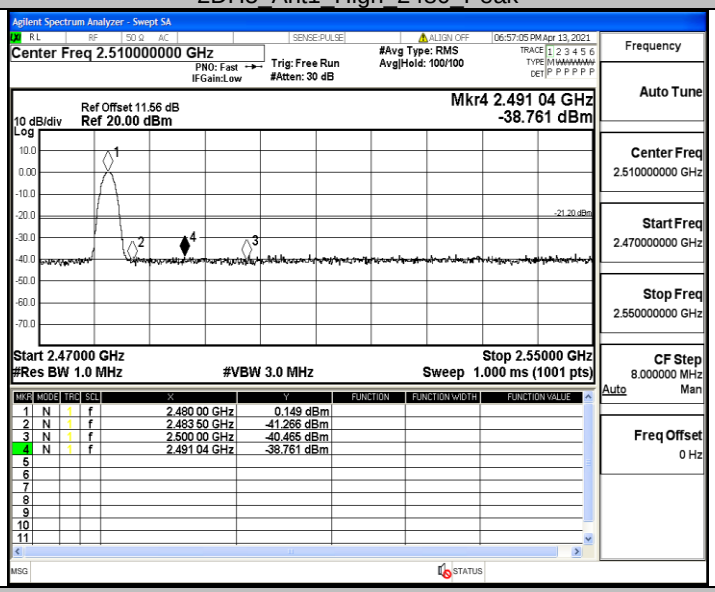
2DH5_Ant1_Low_2402_Peak



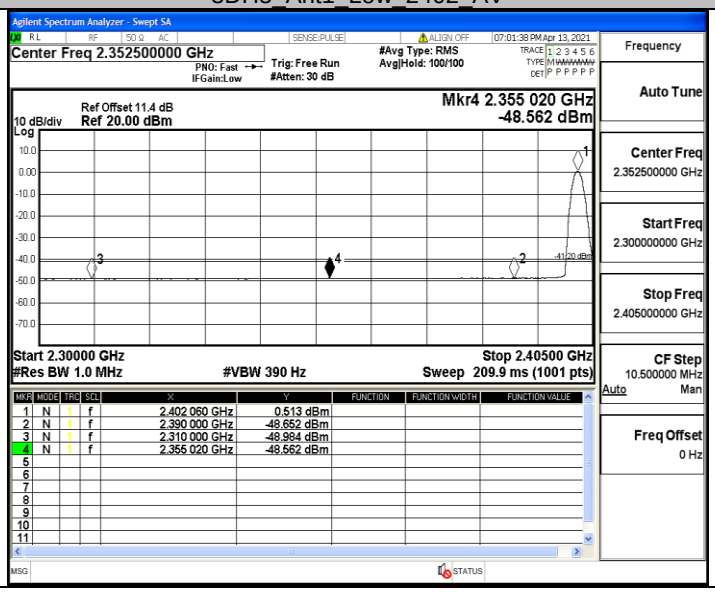
2DH5_Ant1_High_2480_AV



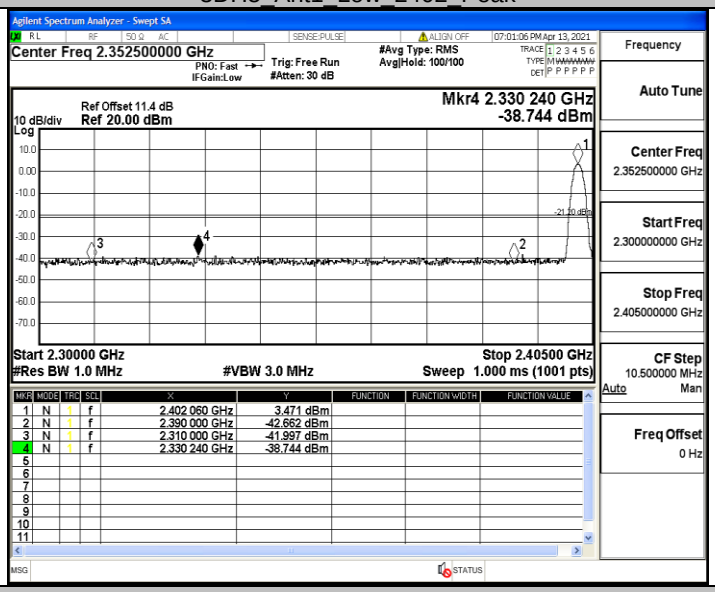
2DH5_Ant1_High_2480_Peak



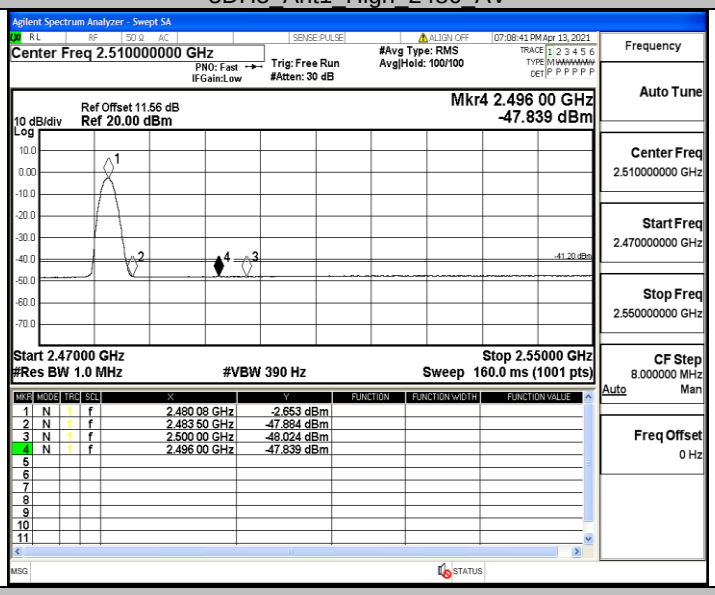
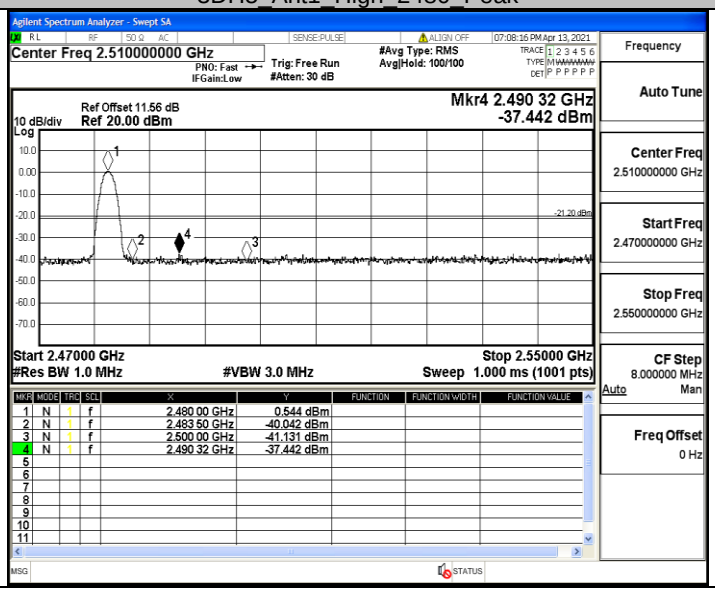
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak