

Appendix A

RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: REMO Eyewear

Trade Mark: REMO Eyewear

Test Model: REMO ARMS V1

FCC ID: 2AYXD-REMOARMSV1

Environmental Conditions

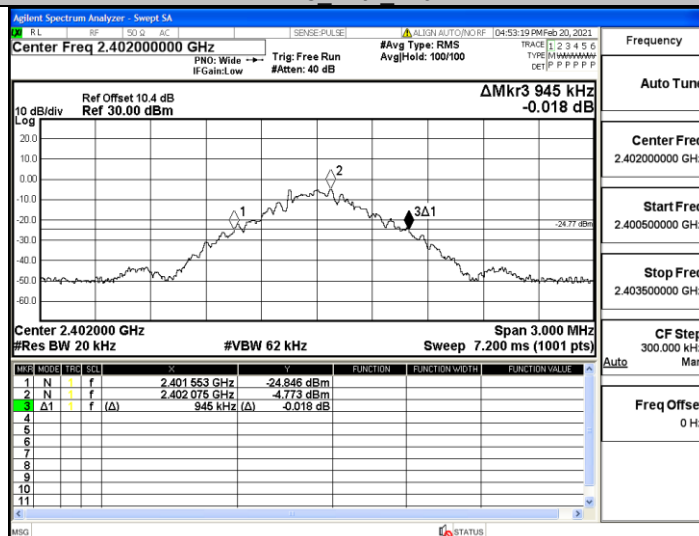
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

A.1 20 dB Bandwidth

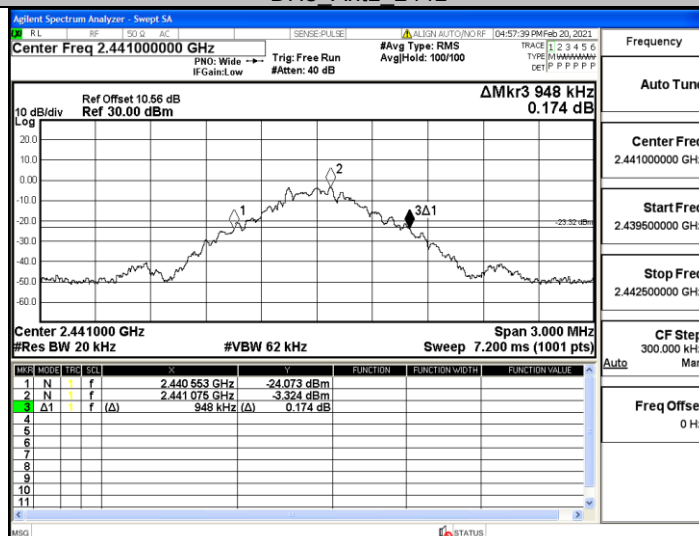
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.553	2402.498	---	PASS
		2441	0.948	2440.553	2441.501	---	PASS
		2480	0.945	2479.553	2480.498	---	PASS
2DH5	Ant1	2402	1.308	2401.361	2402.669	---	PASS
		2441	1.320	2440.355	2441.675	---	PASS
		2480	1.296	2479.358	2480.654	---	PASS
3DH5	Ant1	2402	1.272	2401.370	2402.642	---	PASS
		2441	1.266	2440.373	2441.639	---	PASS
		2480	1.305	2479.364	2480.669	---	PASS

Test Graph

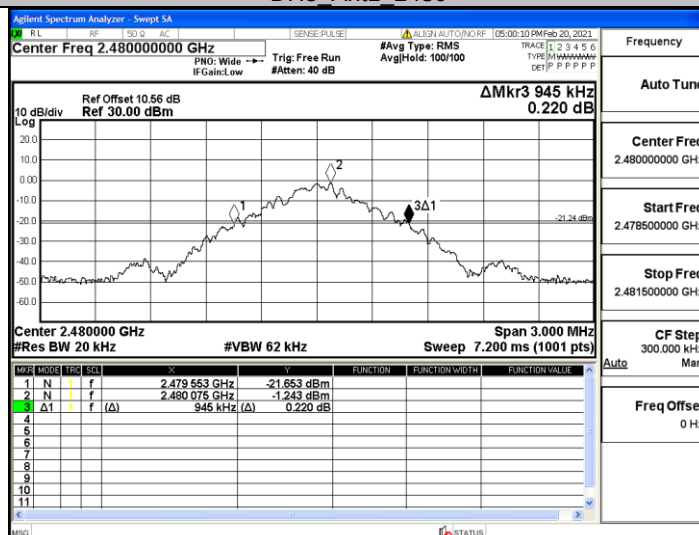
DH5_Ant1_2402



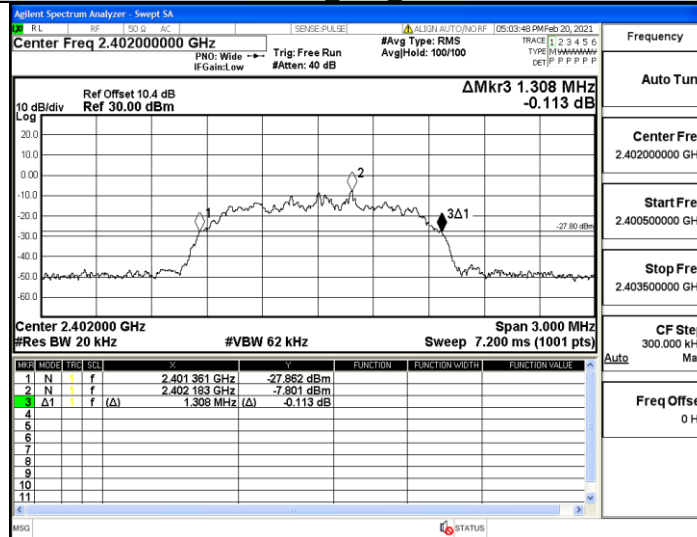
DH5_Ant1_2441



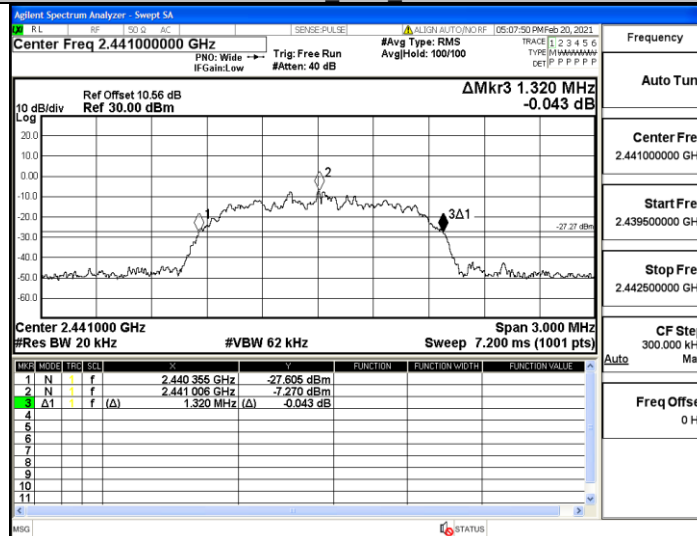
DH5_Ant1_2480



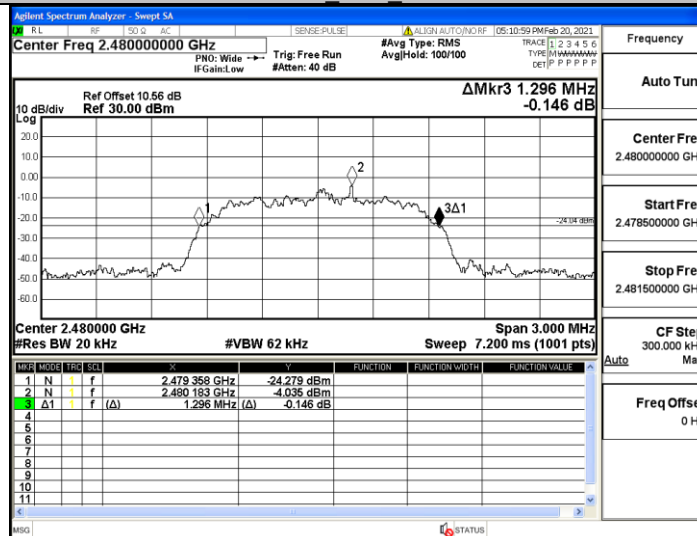
2DH5_Ant1_2402



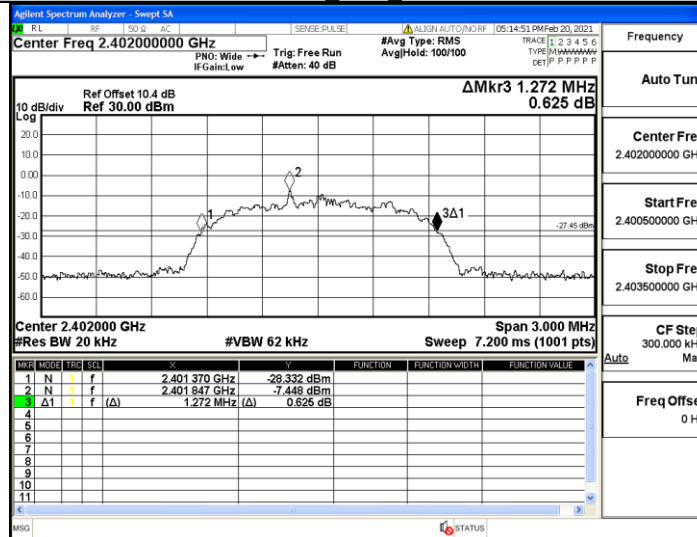
2DH5_Ant1_2441



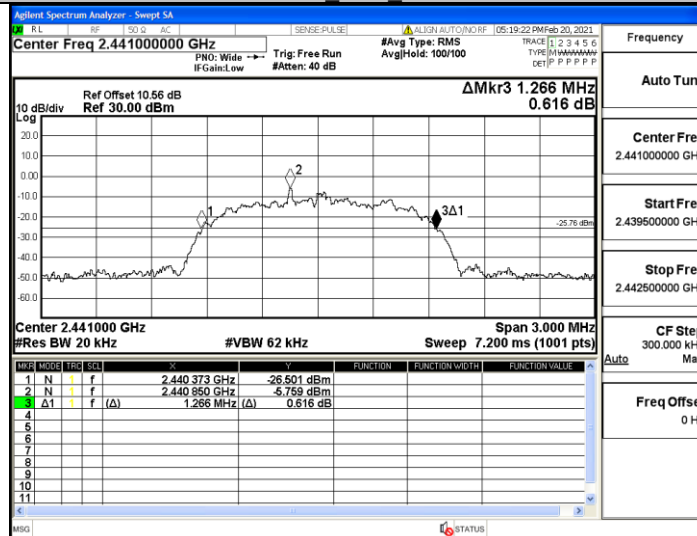
2DH5_Ant1_2480



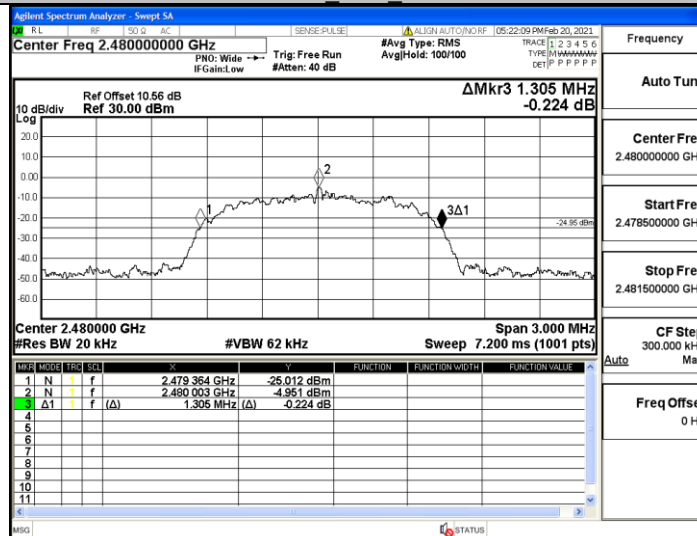
3DH5 Ant1_2402



3DH5 Ant1_2441



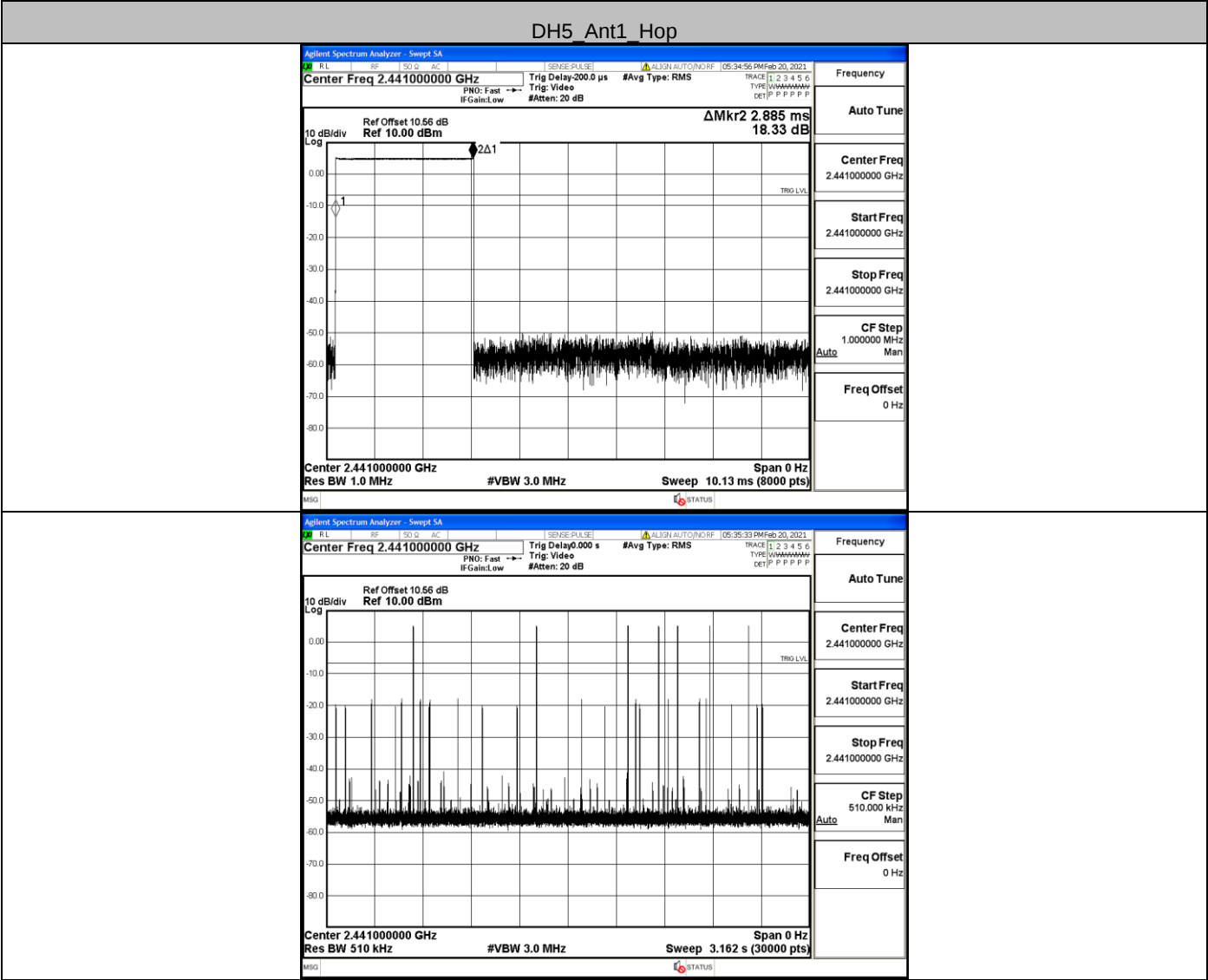
3DH5 Ant1_2480



A.2 Dwell Time

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	80	0.231	<=0.4	PASS
2DH5	Ant1	Hop	2.89	120	0.347	<=0.4	PASS
3DH5	Ant1	Hop	2.89	130	0.376	<=0.4	PASS

Test Graph



Agilent Spectrum Analyzer - Swept SA

RL

RF

SO Q

AC

SENSE: PULSE

ALIGN: AUTO/NO REF

05:35:33 PM Feb 20, 2021

Center Freq 2.441000000 GHz

Trig Delay: 0.000 s

#Avg Type: RMS

TRAC 1 2 3 4 5 6

TYPE: WWWWWWWW

DET: P P P P P P

Ref Offset 10.56 dB

Ref 10.00 dBm

10 dB/div

Log

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

-70.0

-80.0

Center 2.441000000 GHz

Res BW 510 kHz

#VBW 3.0 MHz

Sweep 3.162 s (30000 pts)

Span 0 Hz

MSG

STATUS

Frequency

Auto Tune

Center Freq 2.441000000 GHz

Start Freq 2.441000000 GHz

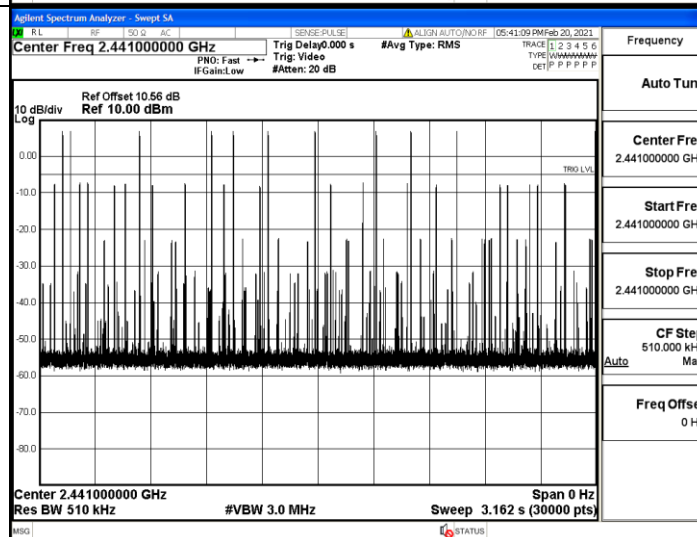
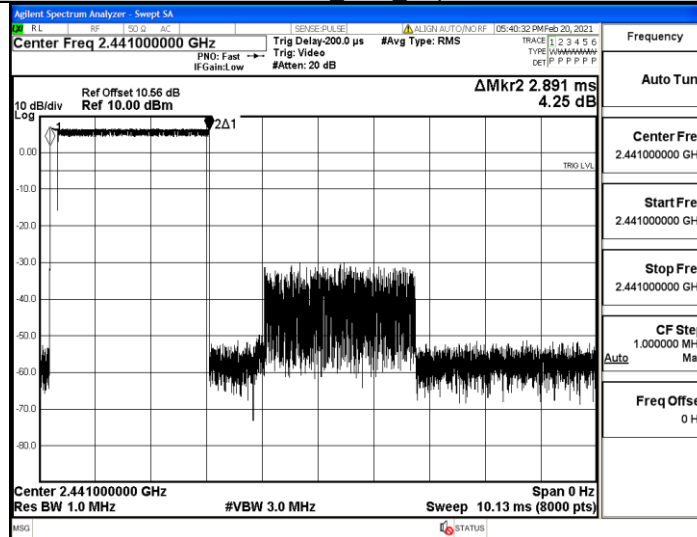
Stop Freq 2.441000000 GHz

CF Step 510.000 kHz

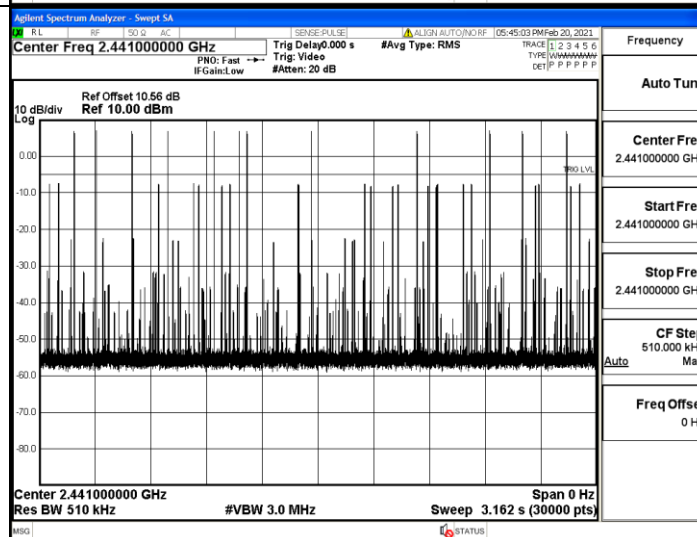
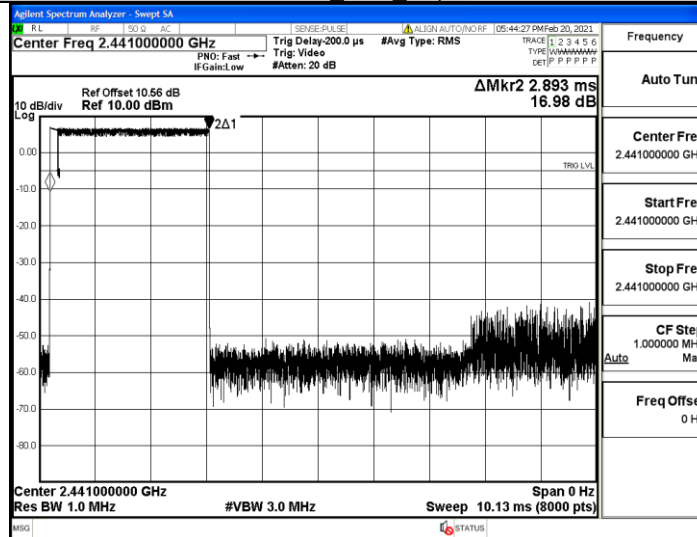
Auto Man

Freq Offset 0 Hz

2DH5 Ant1 Hop



3DH5_Ant1_Hop

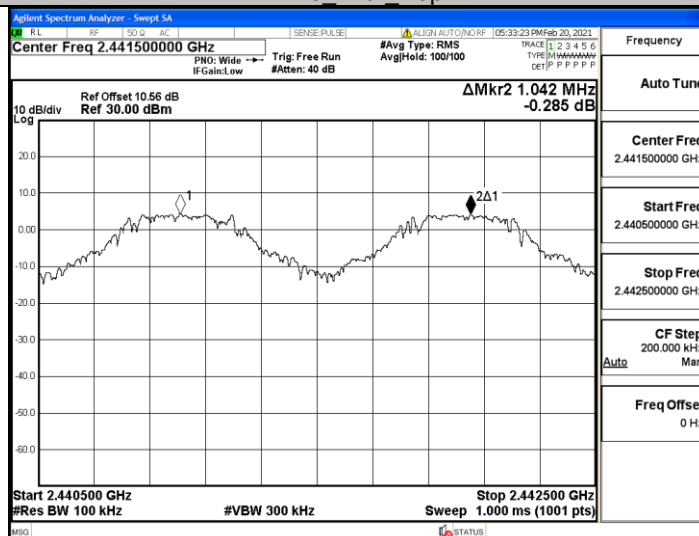


A.3 Carrier Frequency Separation

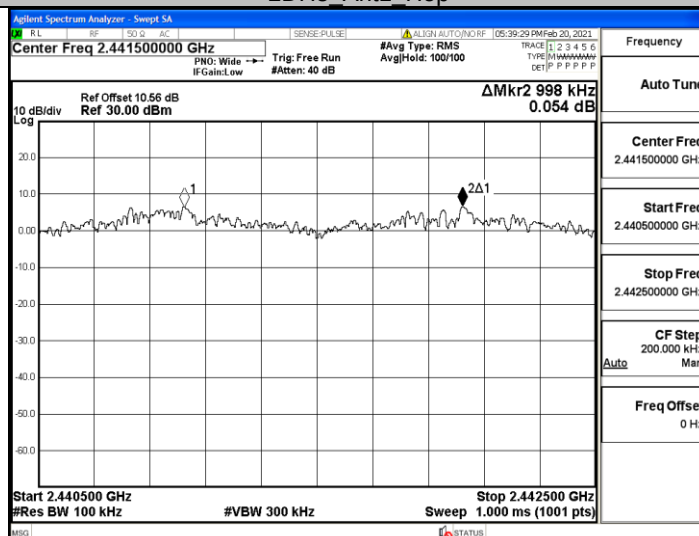
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.042	≥ 0.948	PASS
2DH5	Ant1	Hop	0.998	≥ 0.880	PASS
3DH5	Ant1	Hop	1.068	≥ 0.870	PASS

Test Graph

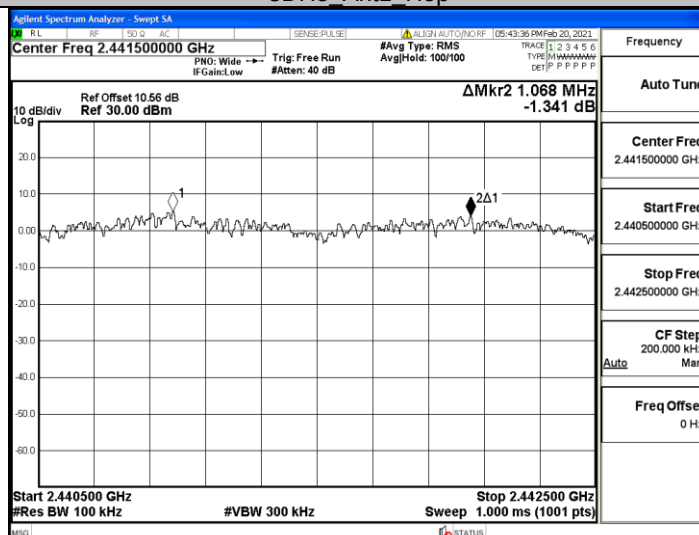
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

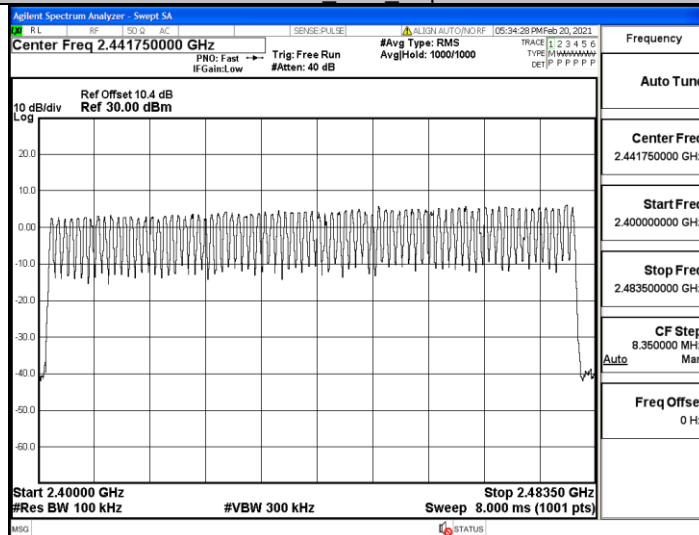


A.4 Hopping Channel Number

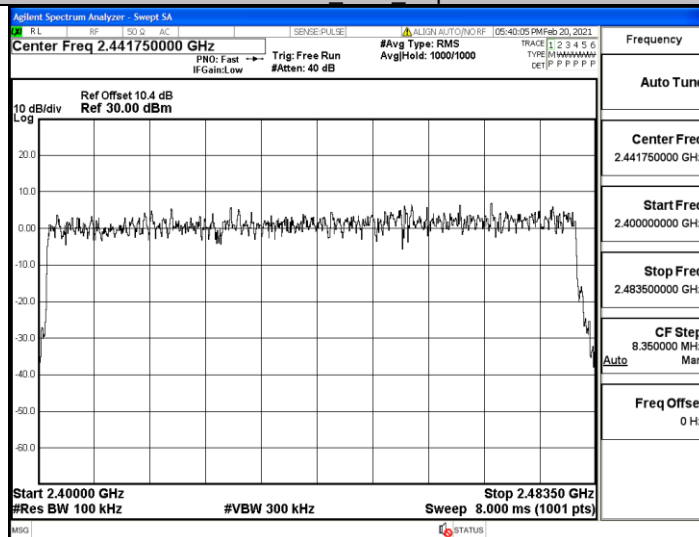
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS
3DH5	Ant1	Hop	79	>=15	PASS

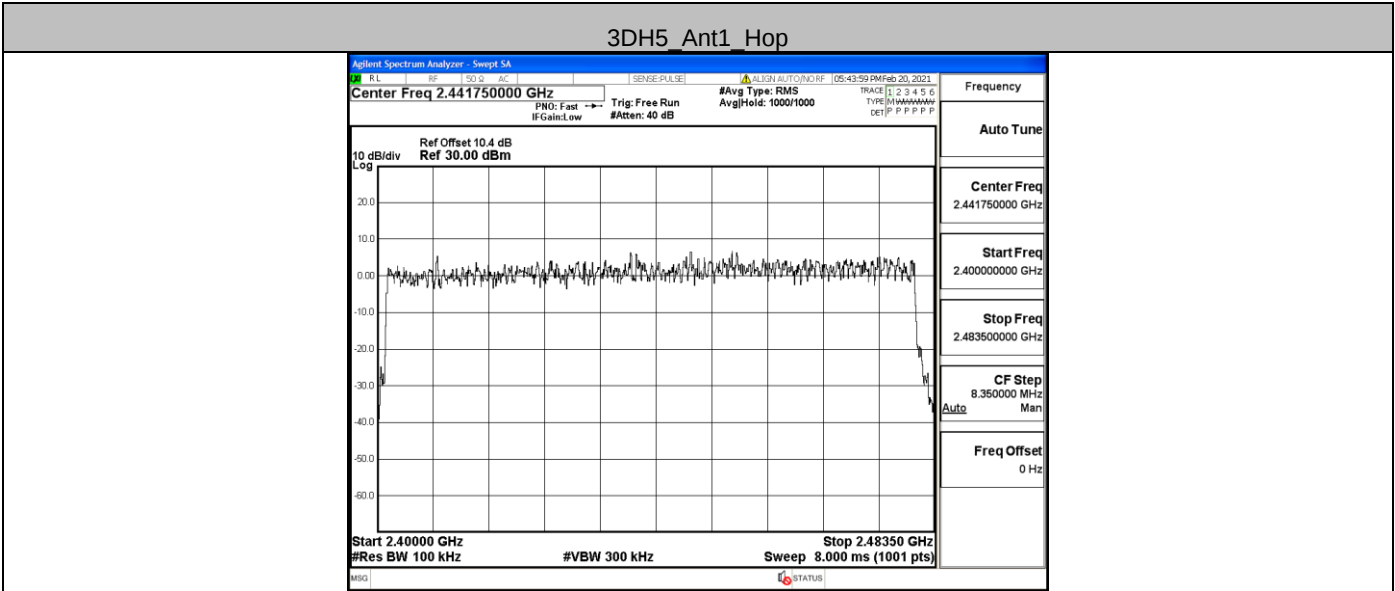
Test Graph

DH5_Ant1_Hop



2DH5_Ant1_Hop



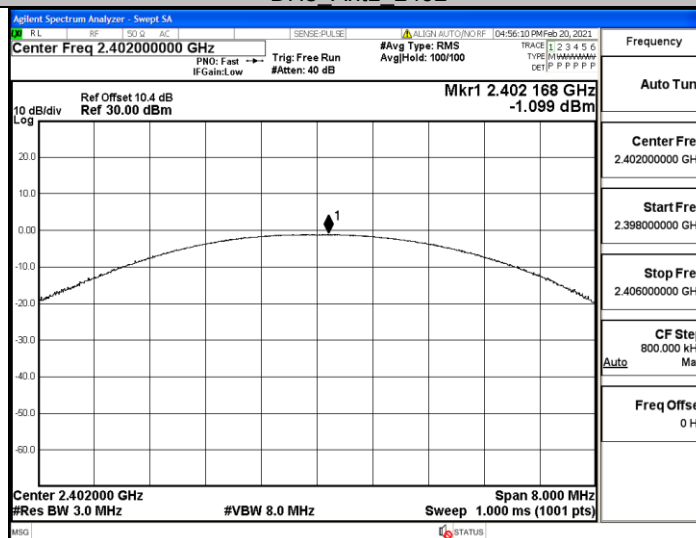


A.5 Conducted Peak Output Power

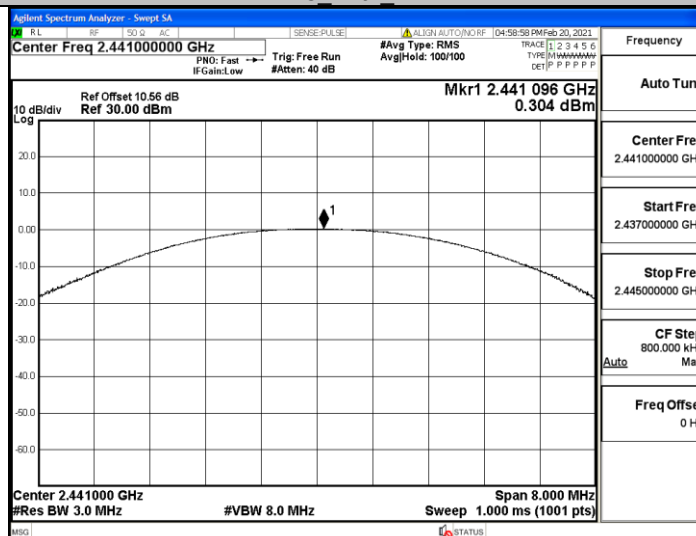
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.1	<=30	PASS
		2441	0.3	<=30	PASS
		2480	2.44	<=30	PASS
2DH5	Ant1	2402	-2.08	<=20.97	PASS
		2441	-0.66	<=20.97	PASS
		2480	1.38	<=20.97	PASS
3DH5	Ant1	2402	-1.78	<=20.97	PASS
		2441	-0.26	<=20.97	PASS
		2480	1.82	<=20.97	PASS

Test Graph

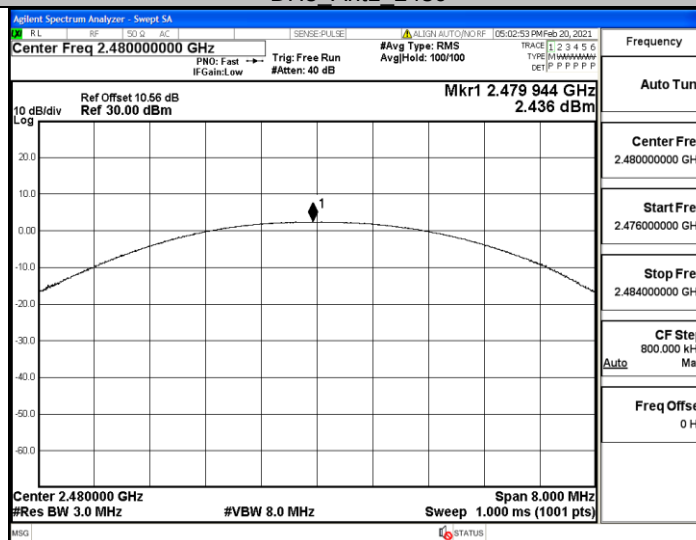
DH5 Ant1 2402



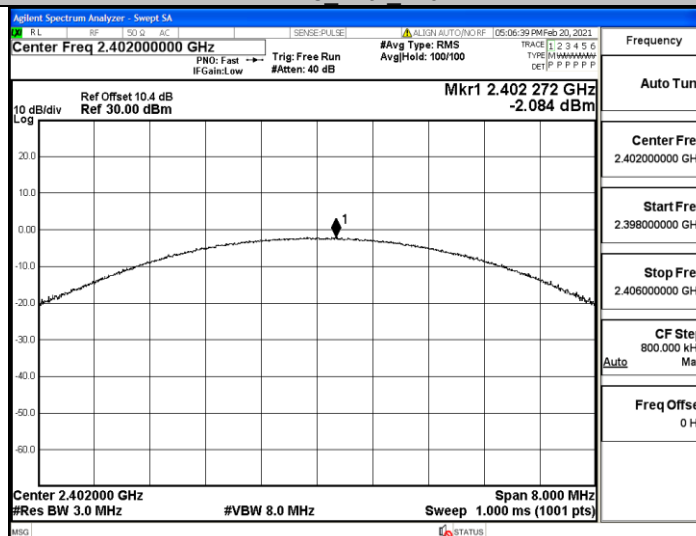
DH5 Ant1 2441



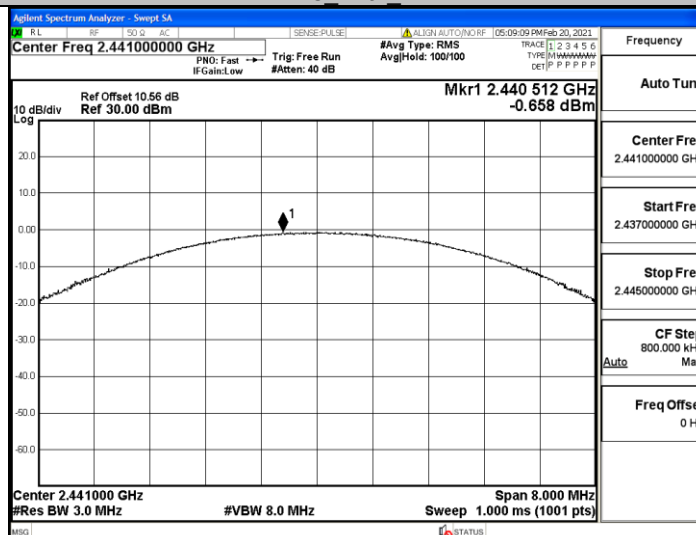
DH5_Ant1_2480



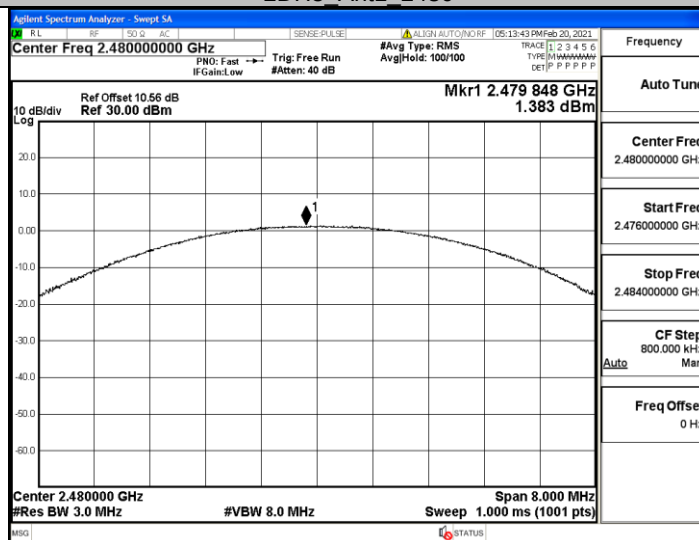
2DH5_Ant1_2402



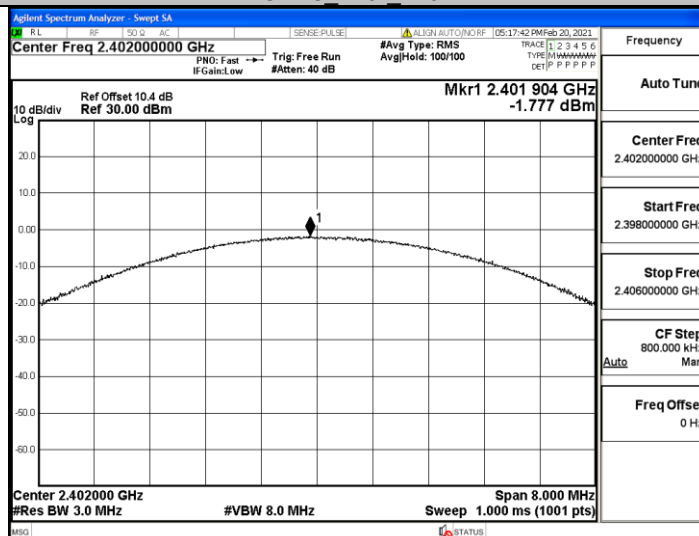
2DH5_Ant1_2441



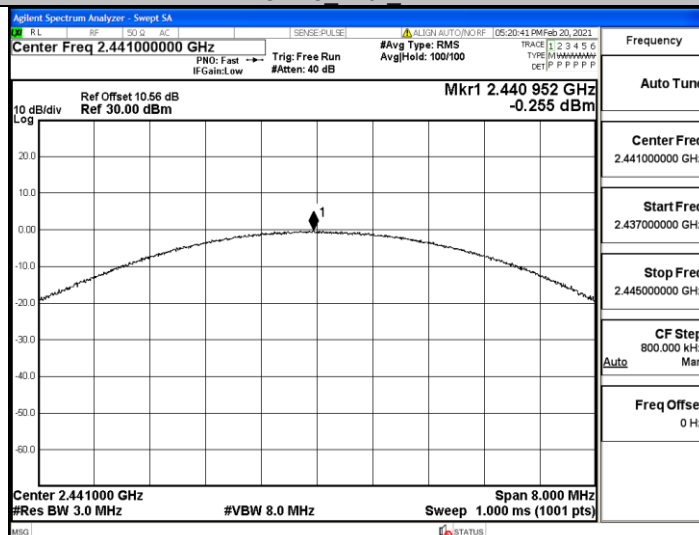
2DH5 Ant1 2480

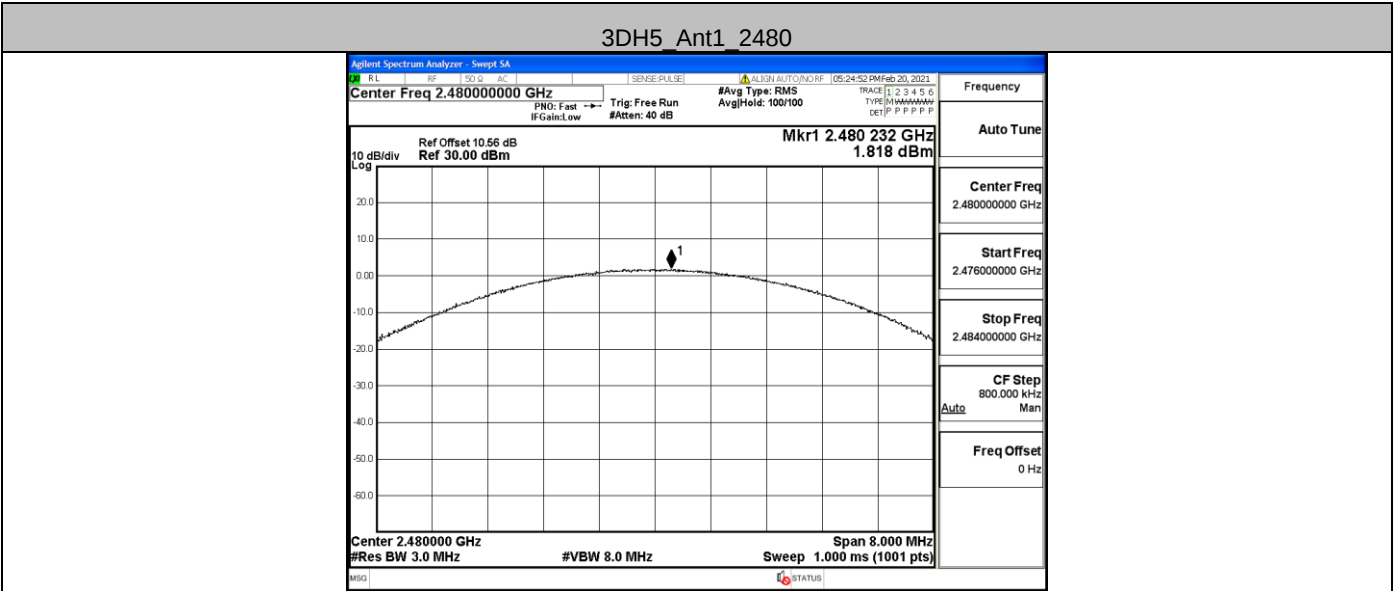


3DH5 Ant1 2402



3DH5 Ant1 2441



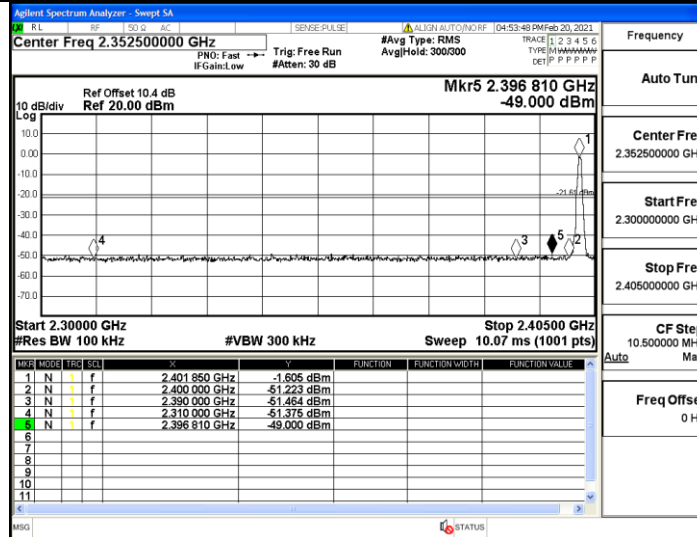


A.6 Band-edge for RF Conducted Emissions

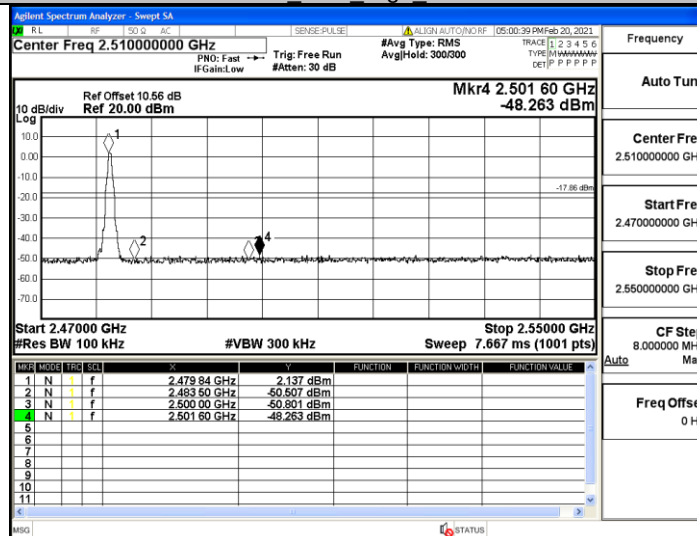
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.61	-49	<=-21.61	PASS
		High	2480	2.14	-48.26	<=-17.86	PASS
		Low	Hop_2402	2.89	-48.88	<=-17.11	PASS
		High	Hop_2480	6.29	-47.74	<=-13.71	PASS
2DH5	Ant1	Low	2402	-3.74	-48.59	<=-23.74	PASS
		High	2480	0.02	-47.39	<=-19.98	PASS
		Low	Hop_2402	1.63	-49.43	<=-18.37	PASS
		High	Hop_2480	6.62	-47.11	<=-13.38	PASS
3DH5	Ant1	Low	2402	-3.69	-48.97	<=-23.69	PASS
		High	2480	0.16	-47.81	<=-19.84	PASS
		Low	Hop_2402	4.47	-49.3	<=-15.53	PASS
		High	Hop_2480	6.04	-47.71	<=-13.96	PASS

Test Graph

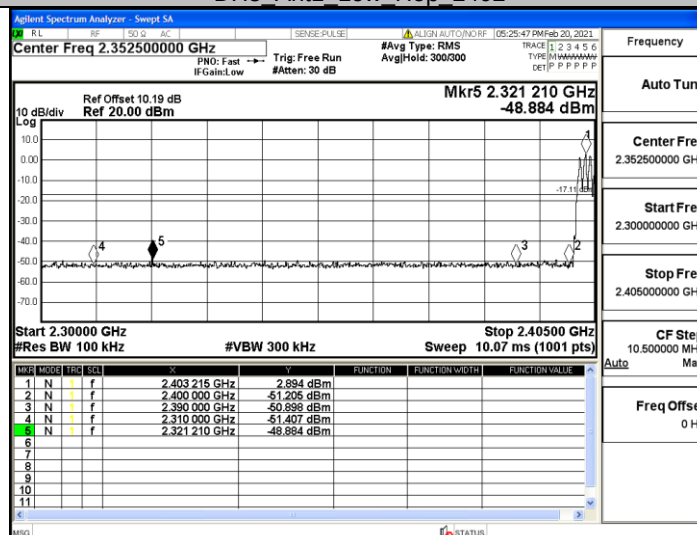
DH5_Ant1_Low_2402



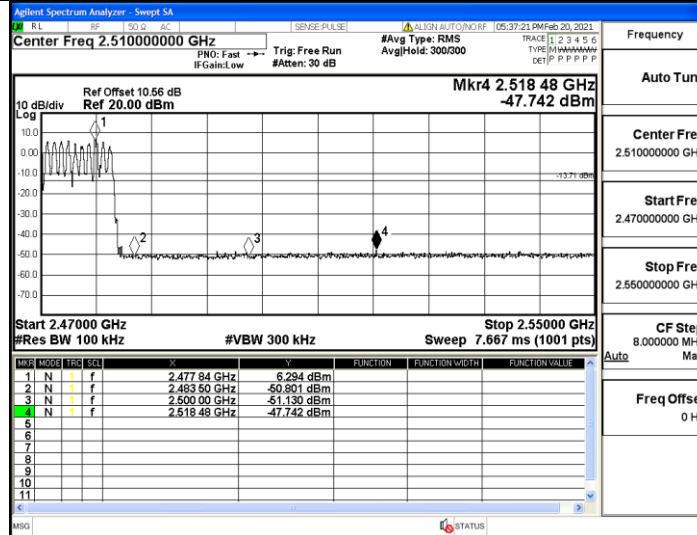
DH5_Ant1_High_2480



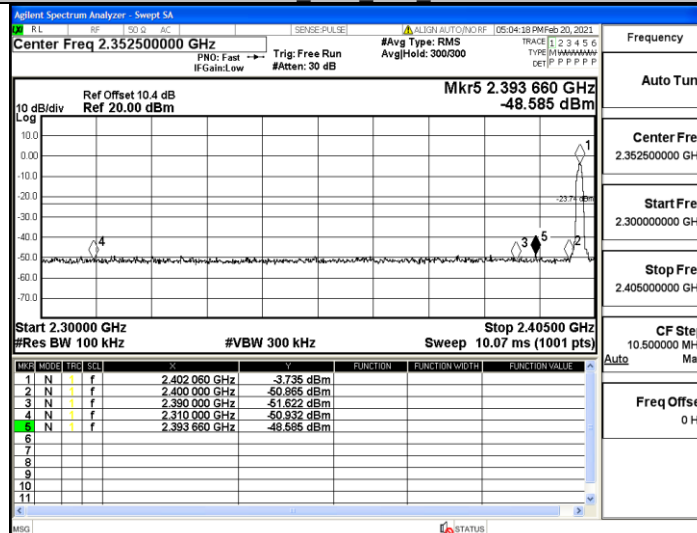
DH5_Ant1_Low_Hop_2402



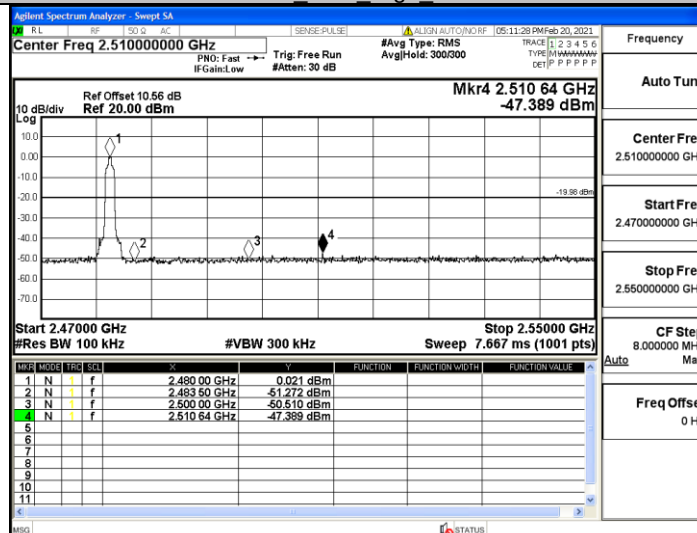
DH5_Ant1_High_Hop_2480



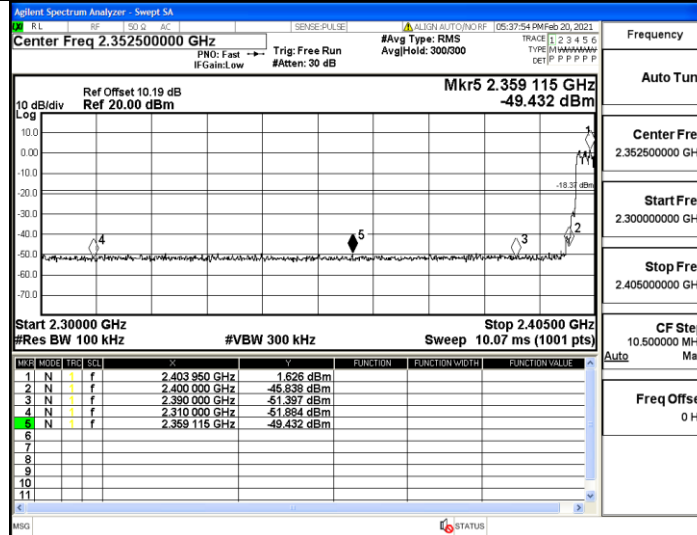
2DH5_Ant1_Low_2402



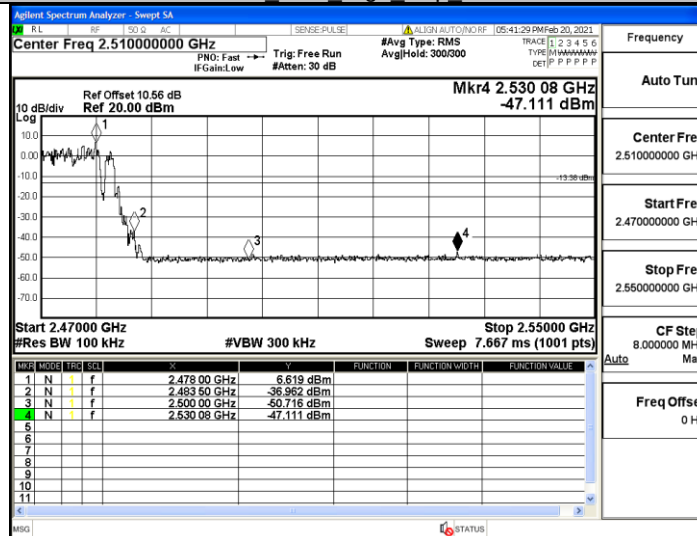
2DH5_Ant1_High_2480



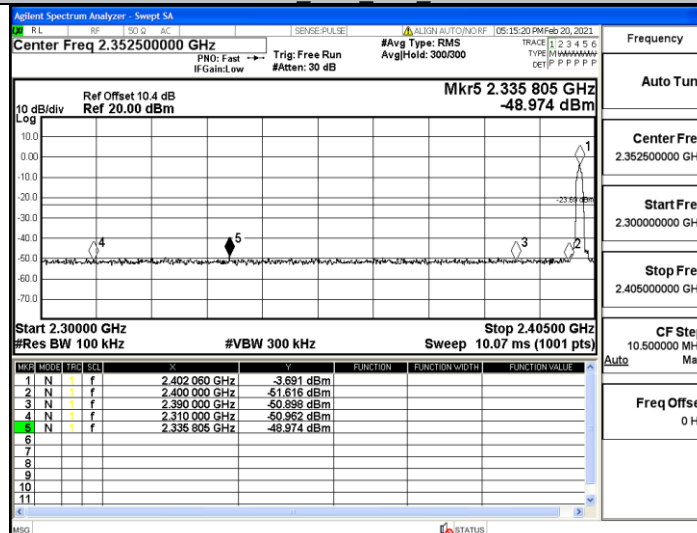
2DH5 Ant1 Low Hop 2402



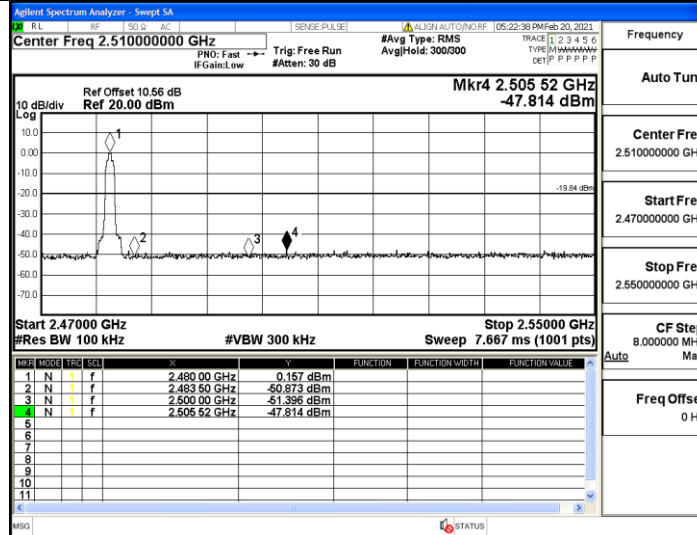
2DH5 Ant1 High Hop 2480



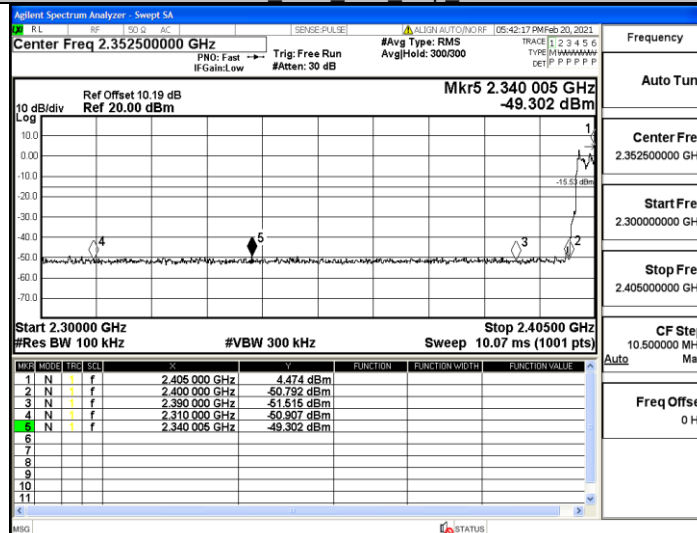
3DH5 Ant1 Low 2402



3DH5 Ant1_High 2480



3DH5 Ant1_Low Hop 2402



3DH5 Ant1_High Hop 2480

