



Appendix A

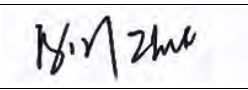
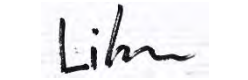
RF Test Data for BT (Conducted Measurement)

Product Name: Buds Space

Trade Mark: PISEN, Litossa, XMOBILE, AVA+, HYDRUS, Totrro

Test Model: LV12AB

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	
Supervised by:	



Appendix A.1: Maximum conducted output power

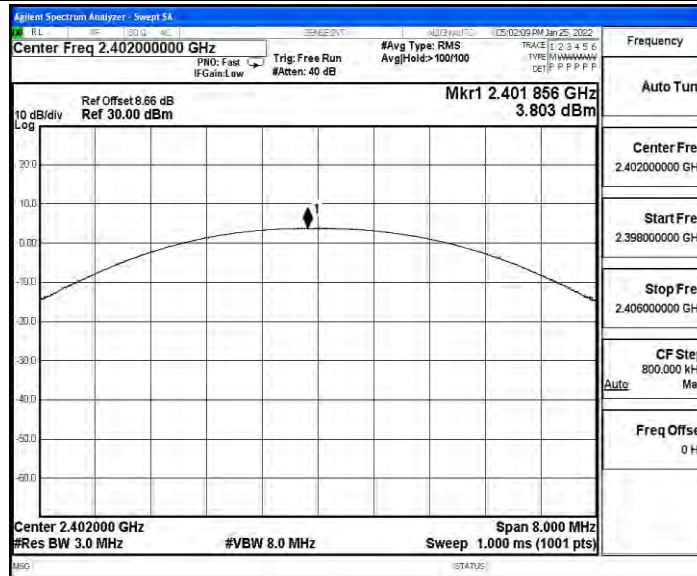
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.80	≤20.97	PASS
		2441	4.28	≤20.97	PASS
		2480	4.39	≤20.97	PASS
2DH5	Ant1	2402	3.60	≤20.97	PASS
		2441	4.00	≤20.97	PASS
		2480	3.80	≤20.97	PASS
3DH5	Ant1	2402	4.01	≤20.97	PASS
		2441	4.57	≤20.97	PASS
		2480	4.25	≤20.97	PASS

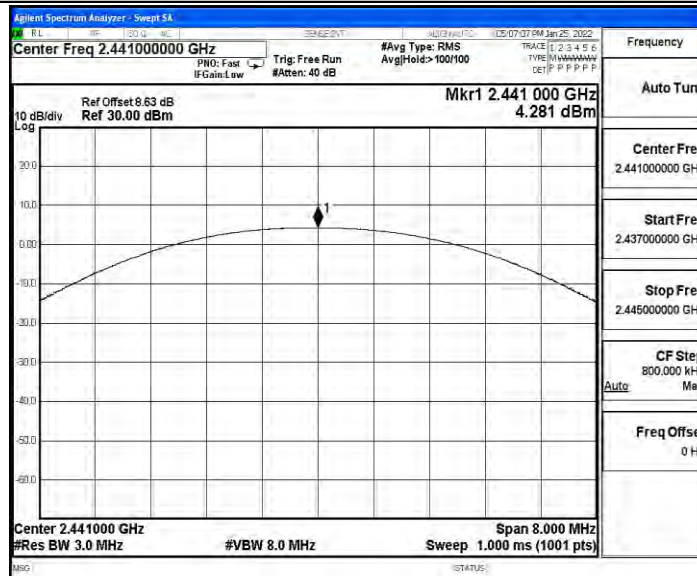


Test Graphs

DH5_Ant1_2402

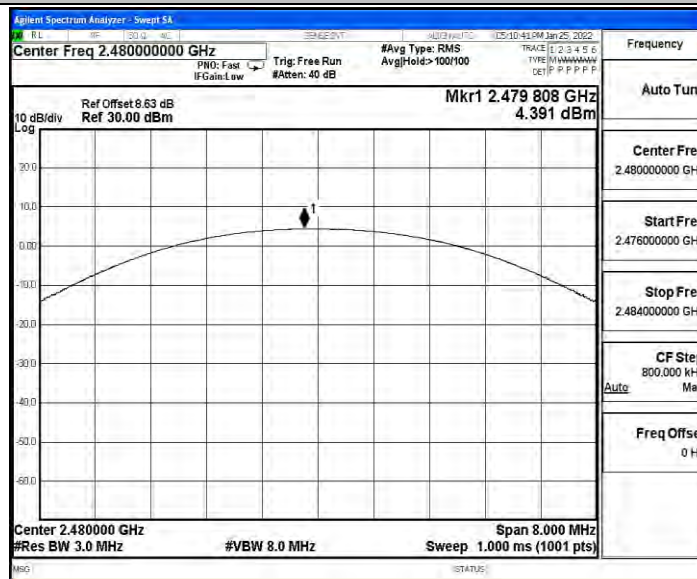


DH5_Ant1_2441

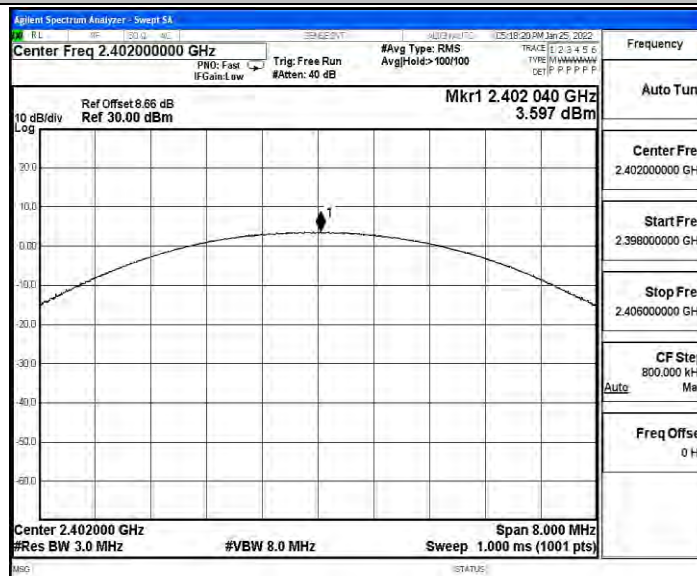




DH5_Ant1_2480

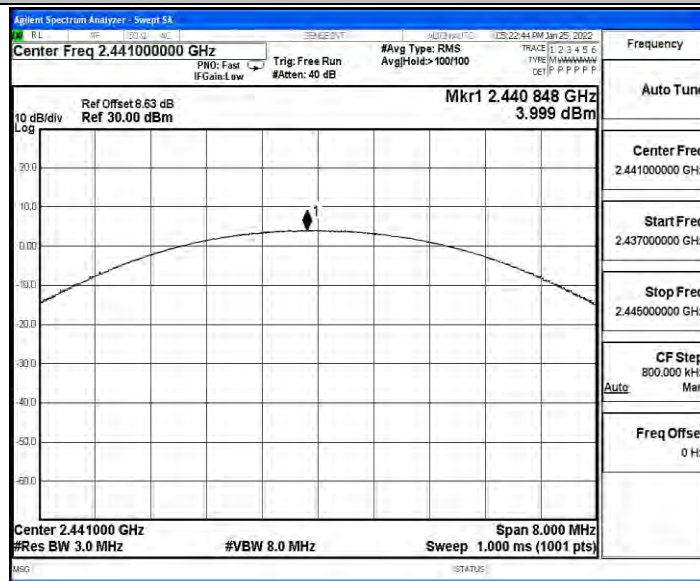


2DH5_Ant1_2402

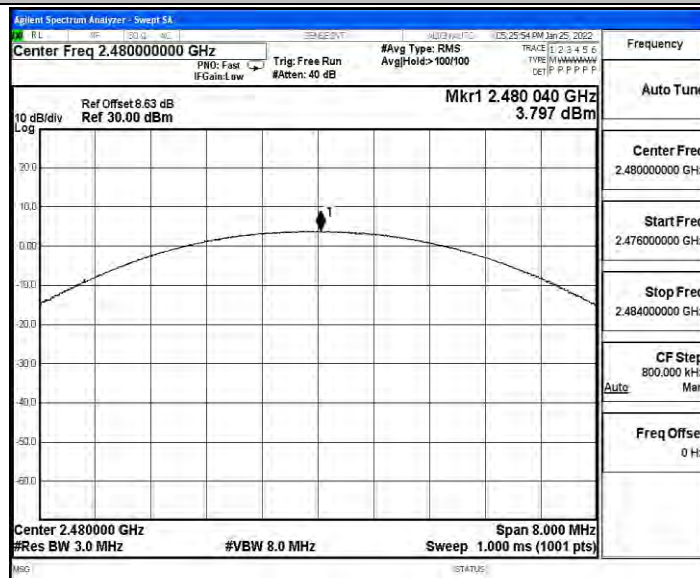




2DH5_Ant1_2441

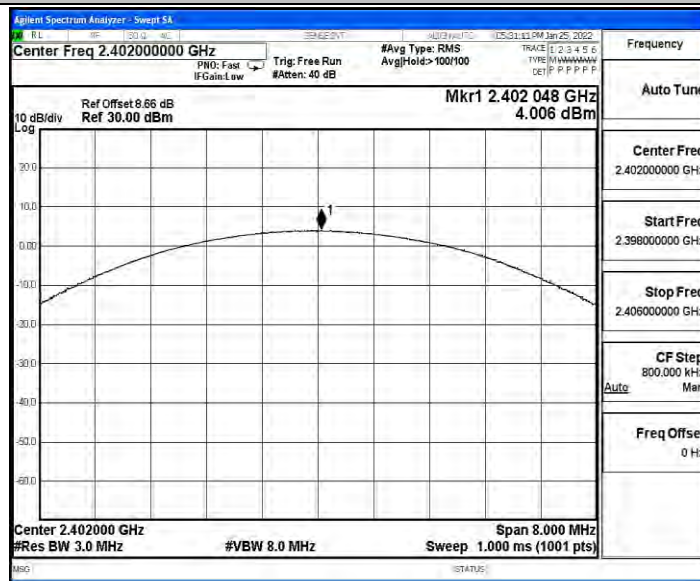


2DH5_Ant1_2480

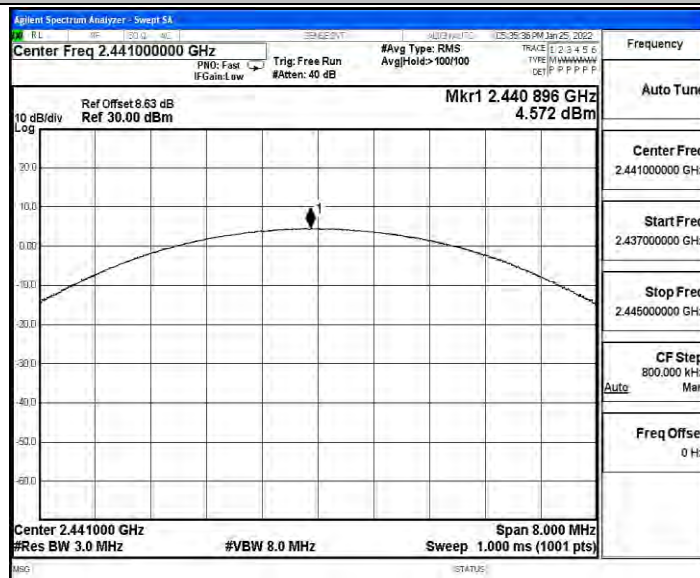




3DH5_Ant1_2402

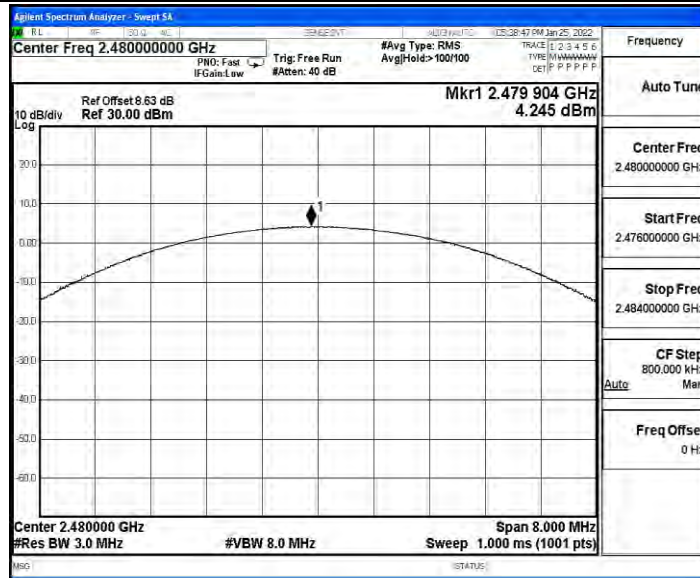


3DH5_Ant1_2441





3DH5_Ant1_2480

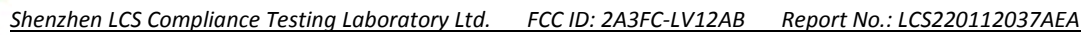




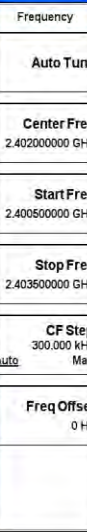
Appendix A.2.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.038	2401.460	2402.498	---	---
		2441	1.032	2440.466	2441.498	---	---
		2480	1.038	2479.457	2480.495	---	---
2DH5	Ant1	2402	1.290	2401.361	2402.651	---	---
		2441	1.311	2440.340	2441.651	---	---
		2480	1.290	2479.358	2480.648	---	---
3DH5	Ant1	2402	1.308	2401.340	2402.648	---	---
		2441	1.293	2440.346	2441.639	---	---
		2480	1.308	2479.340	2480.648	---	---



DH5_Ant1_2402



Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz Ref Offset 8.63 dB
 PWR: Wide Trig: Free Run #Atten: 40 dB
 IF Gain Low AvgHold > 100/100

#Avg Type: RMS TRACE [2 3 4 5 6]
 YTYPE [V W X M A D B]
 DET [P P P P P]

Frequency Auto Tuning

ΔMkr3 1.032 MHz
-0.102 dB

The spectrum plot shows a noisy signal centered around 2.441 GHz. The y-axis is labeled 'Log' and ranges from -60 to 10 dBm. Two peaks are identified: Peak 1 at approximately -20 dBm and Peak 2 at approximately -10 dBm. A third peak is marked with a black arrow and labeled '3d1' at approximately -18.25 dBm.

MNR	MODE	FREQ	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.440 466 GHz	-18.260 dBm			
2	N	f		2.441 156 GHz	1.754 dBm			
3	d1	f	(Δ)	1.032 MHz (Δ)	-0.102 dB			

Center 2.441000 GHz Span 3.000 MHz
 #Res BW 30 kHz #VBW 100 kHz Sweep 3.200 ms (1001 pts)

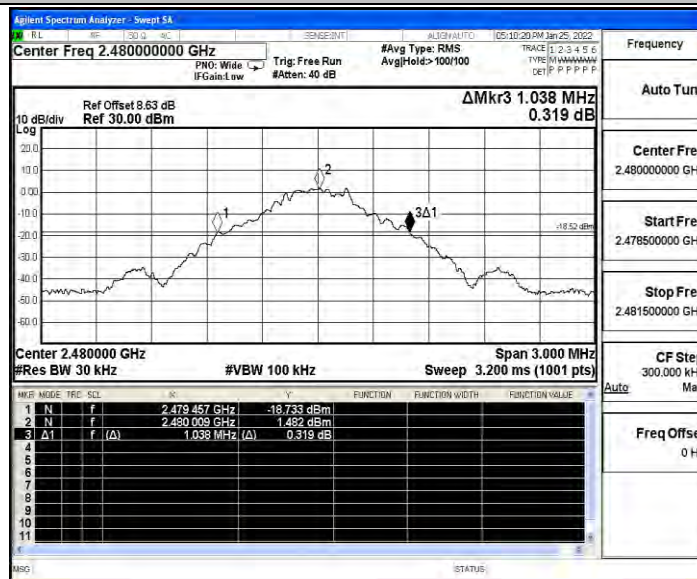
Auto CF Ste 300.000 KHz Ma

Freq Offse 0 Hz

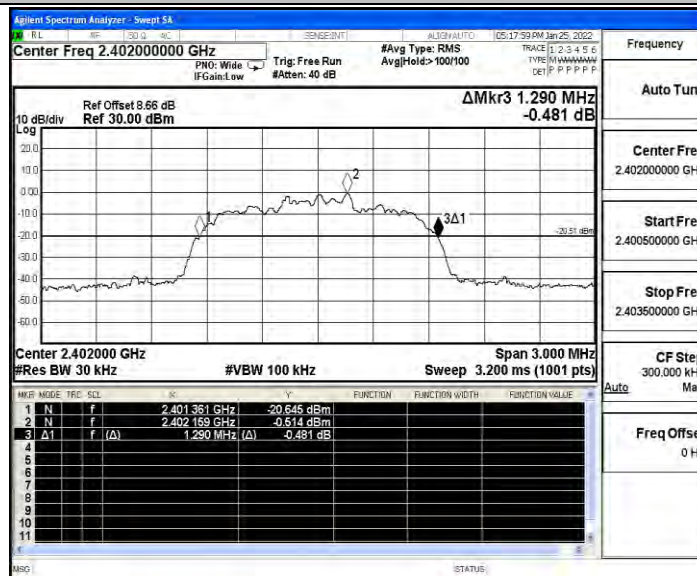
Frequency	
Auto Tune	
Center Frequency	2.441000000 GHz
Start Frequency	2.439500000 GHz
Stop Frequency	2.442500000 GHz
CF Step	300.000 kHz
Auto	Manual
Freq Offset	0 Hz



DH5_Ant1_2480

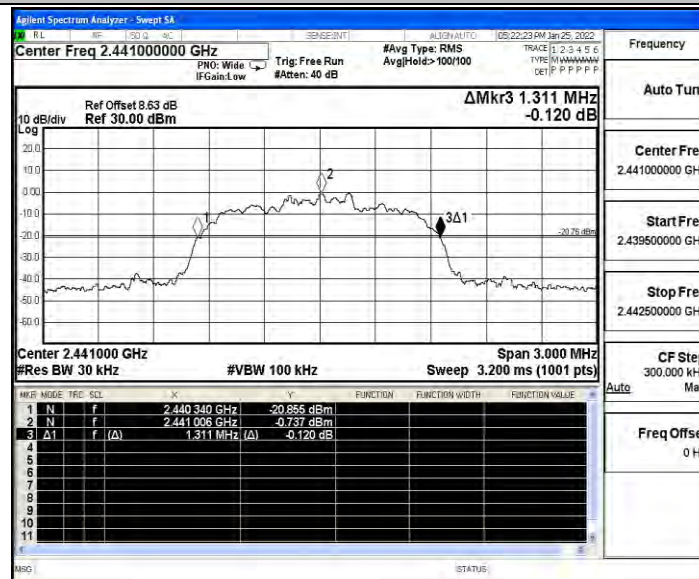


2DH5_Ant1_2402

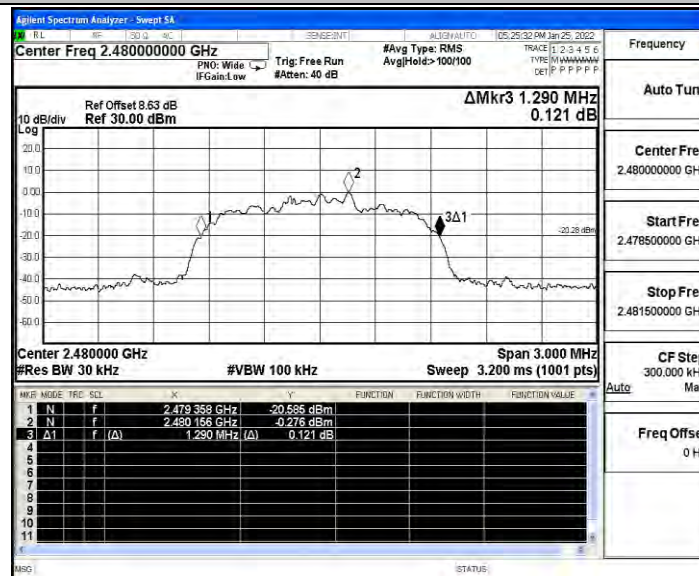




2DH5_Ant1_2441

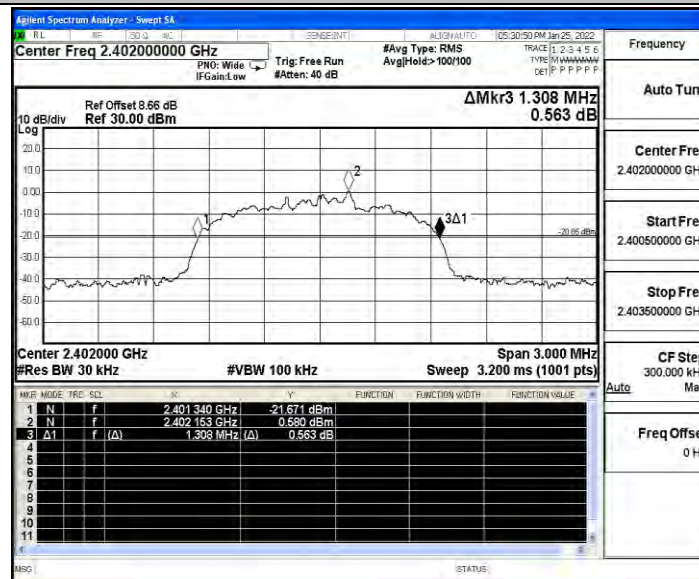


2DH5_Ant1_2480

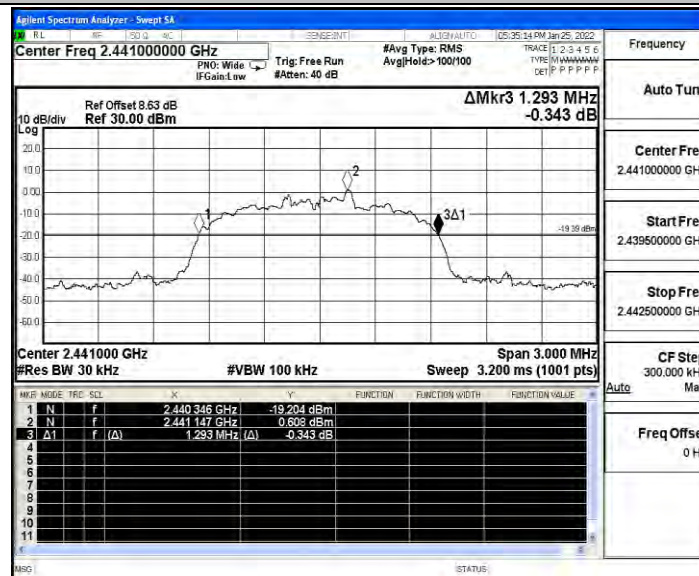




3DH5_Ant1_2402

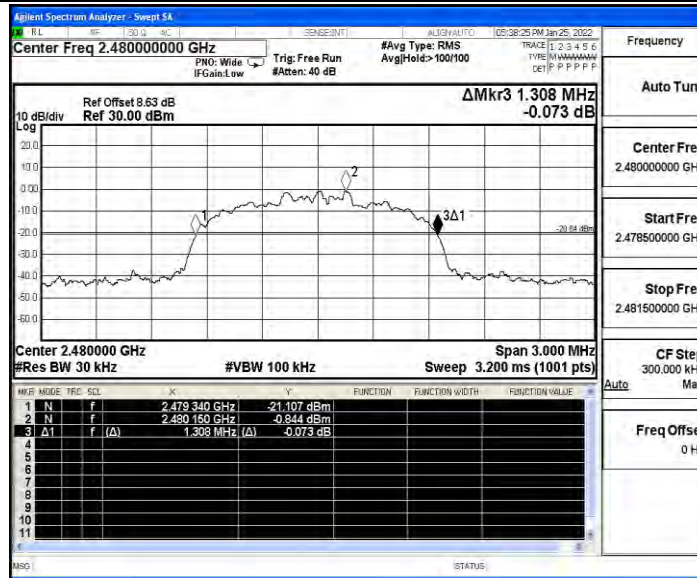


3DH5_Ant1_2441





3DH5_Ant1_2480





Appendix A.2.2: Occupied Channel Bandwidth

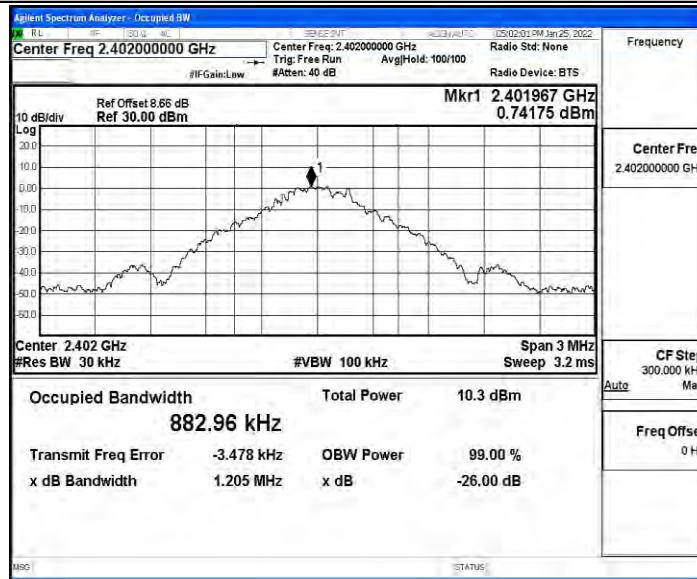
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88296	2401.555	2402.438	---	---
		2441	0.88684	2440.552	2441.439	---	---
		2480	0.91650	2479.538	2480.454	---	---
2DH5	Ant1	2402	1.1783	2401.404	2402.583	---	---
		2441	1.1950	2440.398	2441.593	---	---
		2480	1.1805	2479.402	2480.583	---	---
3DH5	Ant1	2402	1.1807	2401.406	2402.587	---	---
		2441	1.1895	2440.397	2441.587	---	---
		2480	1.1800	2479.407	2480.587	---	---

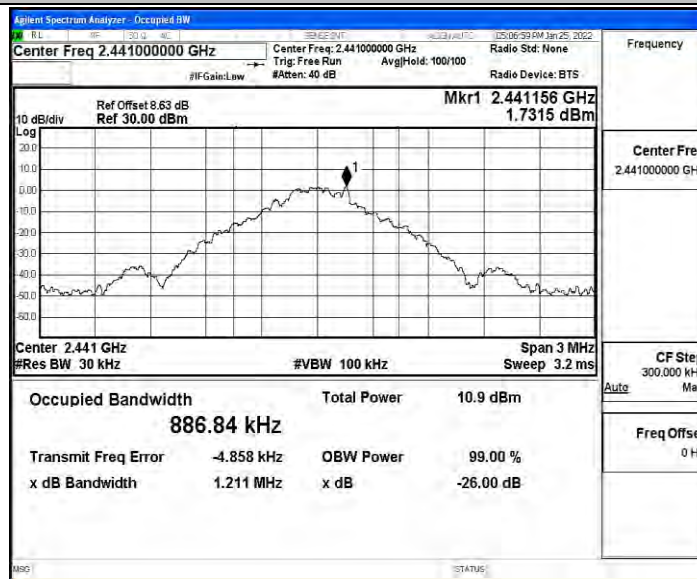


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441

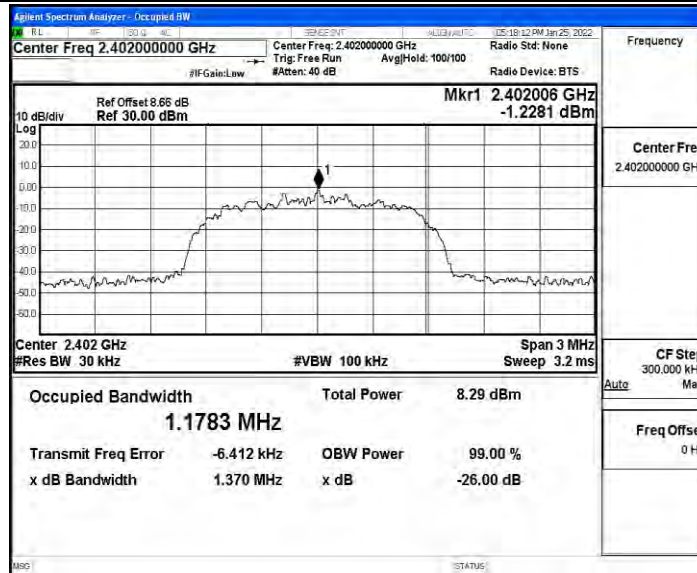




DH5_Ant1_2480

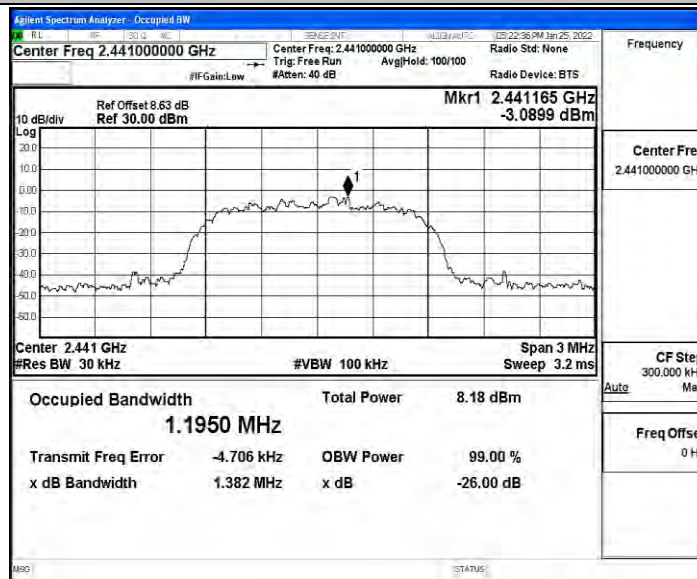


2DH5_Ant1_2402

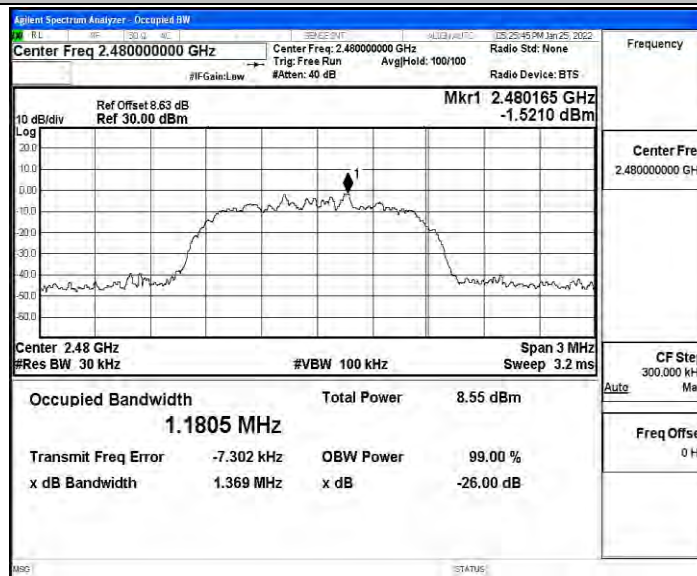




2DH5_Ant1_2441

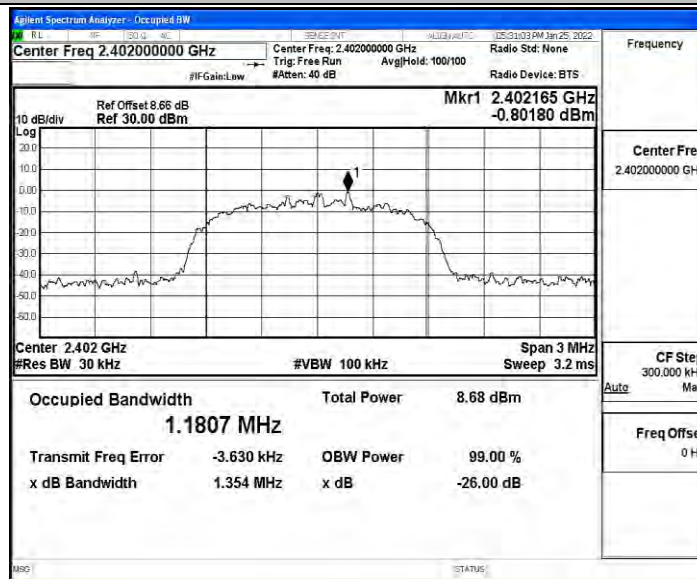


2DH5_Ant1_2480

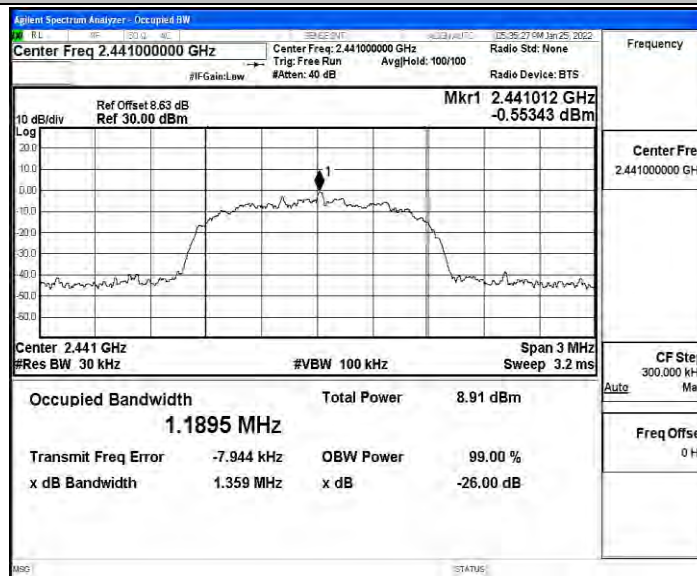




3DH5_Ant1_2402

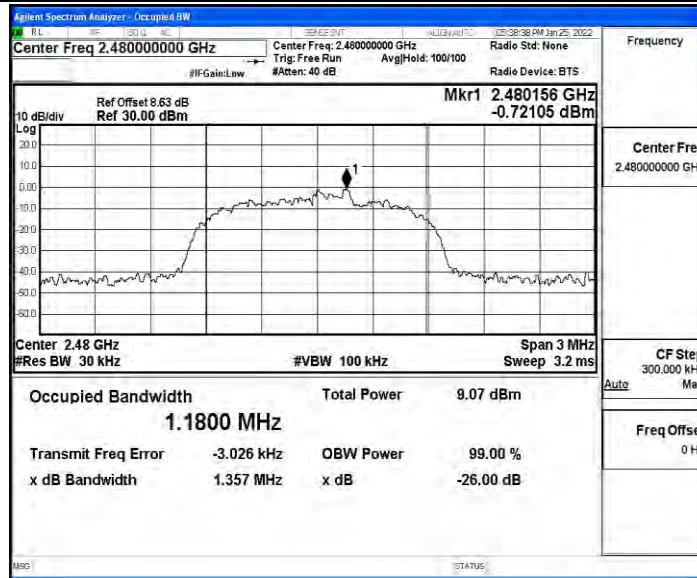


3DH5_Ant1_2441





3DH5_Ant1_2480





Appendix A.3: Carrier frequency separation

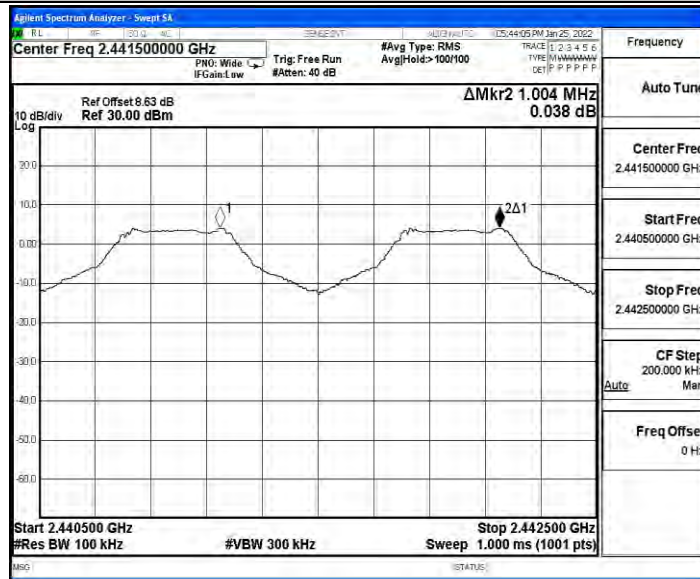
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.692	PASS
2DH5	Ant1	Hop	1.004	≥ 0.874	PASS
3DH5	Ant1	Hop	1	≥ 0.872	PASS

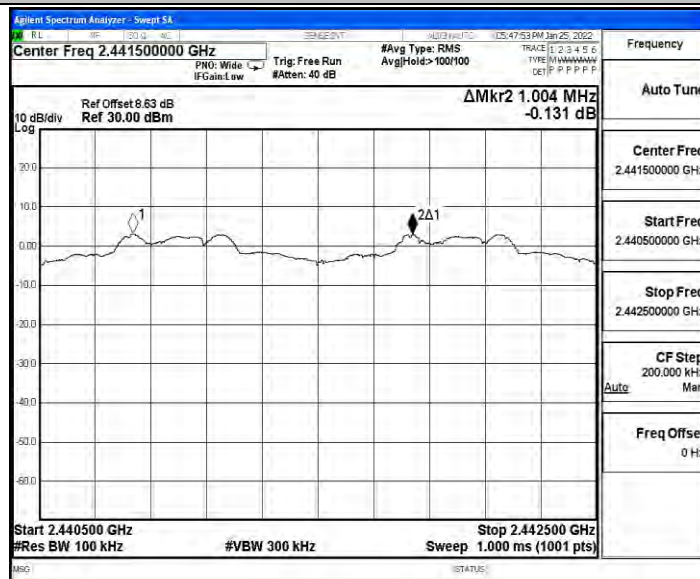


Test Graphs

DH5_Ant1_Hop

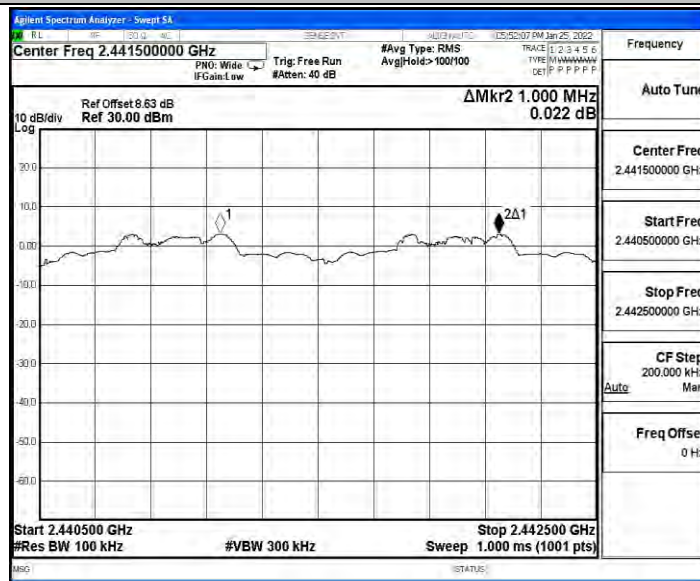


2DH5_Ant1_Hop





3DH5_Ant1_Hop





Appendix A.4: Number of hopping channels

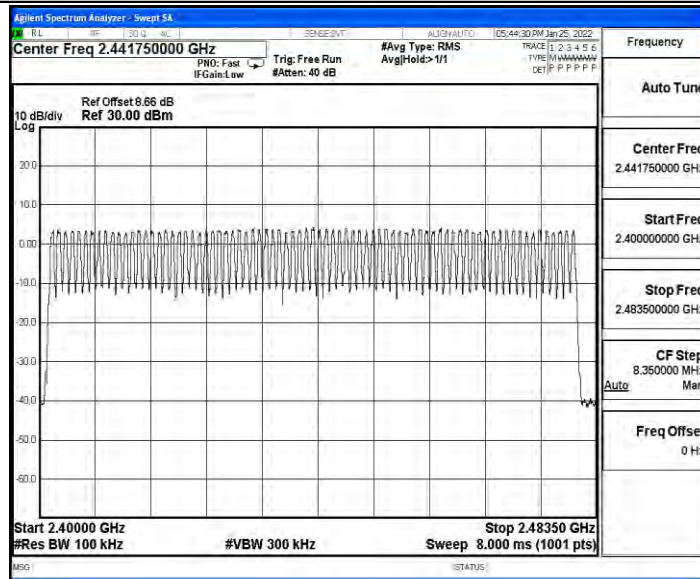
Test Result

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

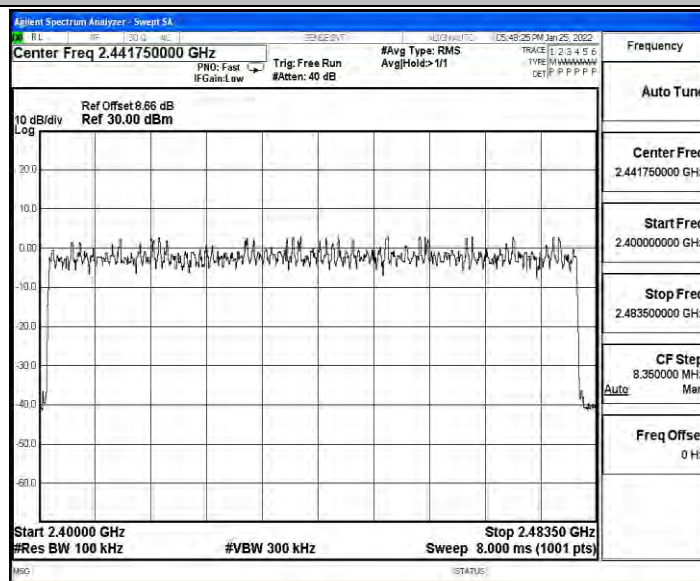


Test Graphs

DH5_Ant1_Hop

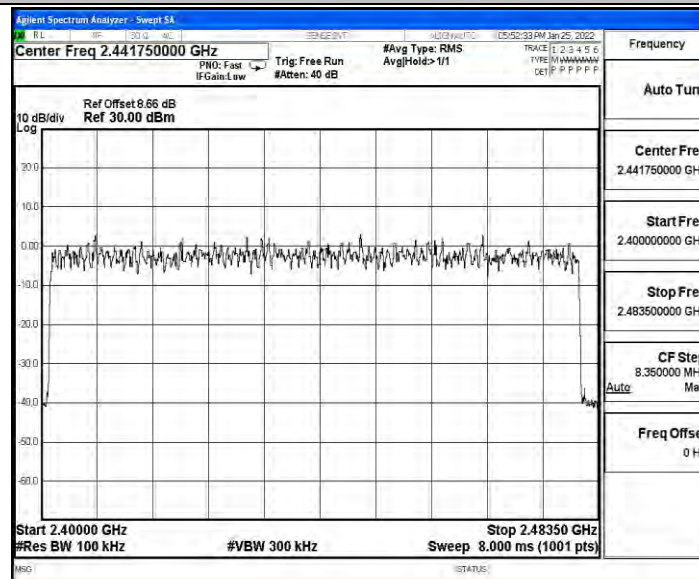


2DH5_Ant1_Hop





3DH5_Ant1_Hop





Appendix A.5.1: Duty Cycle

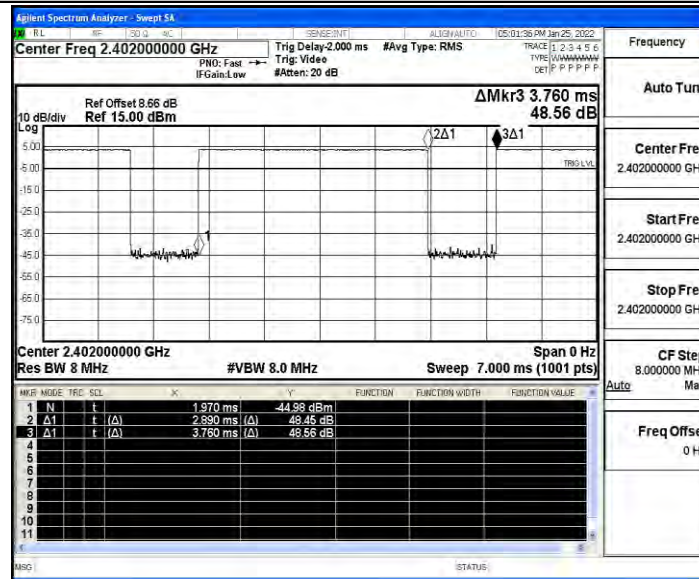
Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.89	3.76	0.7686	76.86	1.14	---	---
		2441	2.89	3.75	0.7707	77.07	1.13	---	---
		2480	2.89	3.75	0.7707	77.07	1.13	---	---
2DH5	Ant1	2402	2.88	3.75	0.7680	76.80	1.15	---	---
		2441	2.89	3.75	0.7707	77.07	1.13	---	---
		2480	2.89	3.75	0.7707	77.07	1.13	---	---
3DH5	Ant1	2402	2.88	3.74	0.7701	77.01	1.13	---	---
		2441	2.89	3.75	0.7707	77.07	1.13	---	---
		2480	2.88	3.74	0.7701	77.01	1.13	---	---

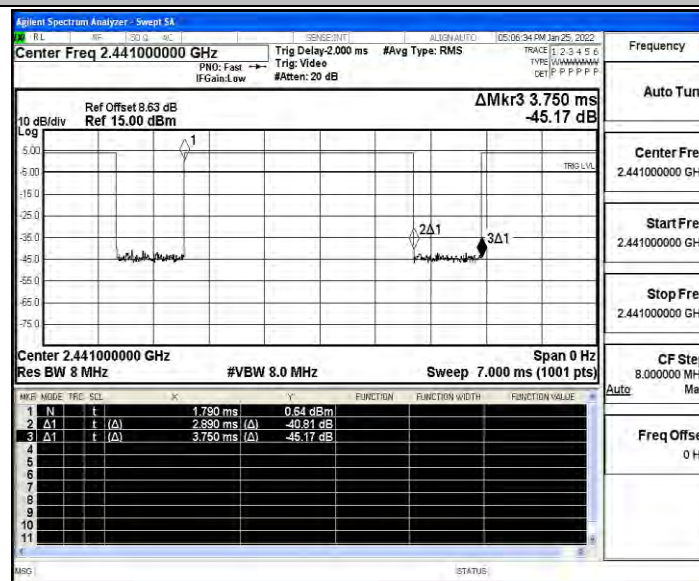


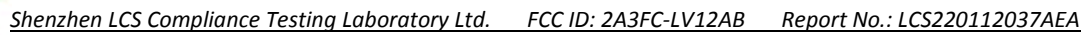
Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.480000000 GHz

Ref Offset 8.63 dB
Ref 15.00 dBm

Trig Delay 2.000 ms
Trig: Video
#Avg Type: RMS
#Atten: 20 dB

Frequency

Auto Tune

Center Freq 2.480000000 GHz

Start Freq 2.480000000 GHz

Stop Freq 2.480000000 GHz

CF Step 8.000000 MHz

Man

Freq Offset 0 Hz

Span 0 Hz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Auto

Marker 1: 2.480000000 GHz, 3.77 dBm

Marker 2: 2.480000000 GHz, -43.30 dB

Marker 3: 2.480000000 GHz, 0.40 dB

Marker 4: 2.480000000 GHz, -43.30 dB

Marker 5: 2.480000000 GHz, 0.40 dB

Marker 6: 2.480000000 GHz, -43.30 dB

Marker 7: 2.480000000 GHz, 0.40 dB

Marker 8: 2.480000000 GHz, -43.30 dB

Marker 9: 2.480000000 GHz, 0.40 dB

Marker 10: 2.480000000 GHz, -43.30 dB

Marker 11: 2.480000000 GHz, 0.40 dB

Marker 12: 2.480000000 GHz, -43.30 dB

Marker 13: 2.480000000 GHz, 0.40 dB

Marker 14: 2.480000000 GHz, -43.30 dB

Marker 15: 2.480000000 GHz, 0.40 dB

Marker 16: 2.480000000 GHz, -43.30 dB

Marker 17: 2.480000000 GHz, 0.40 dB

Marker 18: 2.480000000 GHz, -43.30 dB

Marker 19: 2.480000000 GHz, 0.40 dB

Marker 20: 2.480000000 GHz, -43.30 dB

Marker 21: 2.480000000 GHz, 0.40 dB

Marker 22: 2.480000000 GHz, -43.30 dB

Marker 23: 2.480000000 GHz, 0.40 dB

Marker 24: 2.480000000 GHz, -43.30 dB

Marker 25: 2.480000000 GHz, 0.40 dB

Marker 26: 2.480000000 GHz, -43.30 dB

Marker 27: 2.480000000 GHz, 0.40 dB

Marker 28: 2.480000000 GHz, -43.30 dB

Marker 29: 2.480000000 GHz, 0.40 dB

Marker 30: 2.480000000 GHz, -43.30 dB

Marker 31: 2.480000000 GHz, 0.40 dB

Marker 32: 2.480000000 GHz, -43.30 dB

Marker 33: 2.480000000 GHz, 0.40 dB

Marker 34: 2.480000000 GHz, -43.30 dB

Marker 35: 2.480000000 GHz, 0.40 dB

Marker 36: 2.480000000 GHz, -43.30 dB

Marker 37: 2.480000000 GHz, 0.40 dB

Marker 38: 2.480000000 GHz, -43.30 dB

Marker 39: 2.480000000 GHz, 0.40 dB

Marker 40: 2.480000000 GHz, -43.30 dB

Marker 41: 2.480000000 GHz, 0.40 dB

Marker 42: 2.480000000 GHz, -43.30 dB

Marker 43: 2.480000000 GHz, 0.40 dB

Marker 44: 2.480000000 GHz, -43.30 dB

Marker 45: 2.480000000 GHz, 0.40 dB

Marker 46: 2.480000000 GHz, -43.30 dB

Marker 47: 2.480000000 GHz, 0.40 dB

Marker 48: 2.480000000 GHz, -43.30 dB

Marker 49: 2.480000000 GHz, 0.40 dB

Marker 50: 2.480000000 GHz, -43.30 dB

Marker 51: 2.480000000 GHz, 0.40 dB

Marker 52: 2.480000000 GHz, -43.30 dB

Marker 53: 2.480000000 GHz, 0.40 dB

Marker 54: 2.480000000 GHz, -43.30 dB

Marker 55: 2.480000000 GHz, 0.40 dB

Marker 56: 2.480000000 GHz, -43.30 dB

Marker 57: 2.480000000 GHz, 0.40 dB

Marker 58: 2.480000000 GHz, -43.30 dB

Marker 59: 2.480000000 GHz, 0.40 dB

Marker 60: 2.480000000 GHz, -43.30 dB

Marker 61: 2.480000000 GHz, 0.40 dB

Marker 62: 2.480000000 GHz, -43.30 dB

Marker 63: 2.480000000 GHz, 0.40 dB

Marker 64: 2.480000000 GHz, -43.30 dB

Marker 65: 2.480000000 GHz, 0.40 dB

Marker 66: 2.480000000 GHz, -43.30 dB

Marker 67: 2.480000000 GHz, 0.40 dB

Marker 68: 2.480000000 GHz, -43.30 dB

Marker 69: 2.480000000 GHz, 0.40 dB

Marker 70: 2.480000000 GHz, -43.30 dB

Marker 71: 2.480000000 GHz, 0.40 dB

Marker 72: 2.480000000 GHz, -43.30 dB

Marker 73: 2.480000000 GHz, 0.40 dB

Marker 74: 2.480000000 GHz, -43.30 dB

Marker 75: 2.480000000 GHz, 0.40 dB

Marker 76: 2.480000000 GHz, -43.30 dB

Marker 77: 2.480000000 GHz, 0.40 dB

Marker 78: 2.480000000 GHz, -43.30 dB

Marker 79: 2.480000000 GHz, 0.40 dB

Marker 80: 2.480000000 GHz, -43.30 dB

Marker 81: 2.480000000 GHz, 0.40 dB

Marker 82: 2.480000000 GHz, -43.30 dB

Marker 83: 2.480000000 GHz, 0.40 dB

Marker 84: 2.480000000 GHz, -43.30 dB

Marker 85: 2.480000000 GHz, 0.40 dB

Marker 86: 2.480000000 GHz, -43.30 dB

Marker 87: 2.480000000 GHz, 0.40 dB

Marker 88: 2.480000000 GHz, -43.30 dB

Marker 89: 2.480000000 GHz, 0.40 dB

Marker 90: 2.480000000 GHz, -43.30 dB

Marker 91: 2.480000000 GHz, 0.40 dB

Marker 92: 2.480000000 GHz, -43.30 dB

Marker 93: 2.480000000 GHz, 0.40 dB

Marker 94: 2.480000000 GHz, -43.30 dB

Marker 95: 2.480000000 GHz, 0.40 dB

Marker 96: 2.480000000 GHz, -43.30 dB

Marker 97: 2.480000000 GHz, 0.40 dB

Marker 98: 2.480000000 GHz, -43.30 dB

Marker 99: 2.480000000 GHz, 0.40 dB

Marker 100: 2.480000000 GHz, -43.30 dB

Marker 101: 2.480000000 GHz, 0.40 dB

Marker 102: 2.480000000 GHz, -43.30 dB

Marker 103: 2.480000000 GHz, 0.40 dB

Marker 104: 2.480000000 GHz, -43.30 dB

Marker 105: 2.480000000 GHz, 0.40 dB

Marker 106: 2.480000000 GHz, -43.30 dB

Marker 107: 2.480000000 GHz, 0.40 dB

Marker 108: 2.480000000 GHz, -43.30 dB

Marker 109: 2.480000000 GHz, 0.40 dB

Marker 110: 2.480000000 GHz, -43.30 dB

Marker 111: 2.480000000 GHz, 0.40 dB

Marker 112: 2.480000000 GHz, -43.30 dB

Marker 113: 2.480000000 GHz, 0.40 dB

Marker 114: 2.480000000 GHz, -43.30 dB

Marker 115: 2.480000000 GHz, 0.40 dB

Marker 116: 2.480000000 GHz, -43.30 dB

Marker 117: 2.480000000 GHz, 0.40 dB

Marker 118: 2.480000000 GHz, -43.30 dB

Marker 119: 2.480000000 GHz, 0.40 dB

Marker 120: 2.480000000 GHz, -43.30 dB

2DH5_Ant1_2402

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.402000000 GHz Trig Delay 2.000 ms #Avg Type: RMS Frequency

Ref Offset 8.66 dB ΔMkr3 3.750 ms Auto Tune

Ref 15.00 dB 0.06 dB

10 dB/div Log

Center Freq 2.402000000 GHz

Start Freq 2.402000000 GHz

Stop Freq 2.402000000 GHz

Span 0 Hz

CF Step 8.000000 MHz

Res BW 8.0 MHz #VBW 8.0 MHz Sweep 7.000 ms (1001 pts)

MEAS	MODE	FREQ	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N			1.480 ms	2.30 dBm			
2	Δ1	t (Δ)		2.880 ms (Δ)	0.53 dB			
3	Δ1	t (Δ)		3.750 ms (Δ)	0.06 dB			
4								
5								
6								
7								
8								
9								
10								
11								

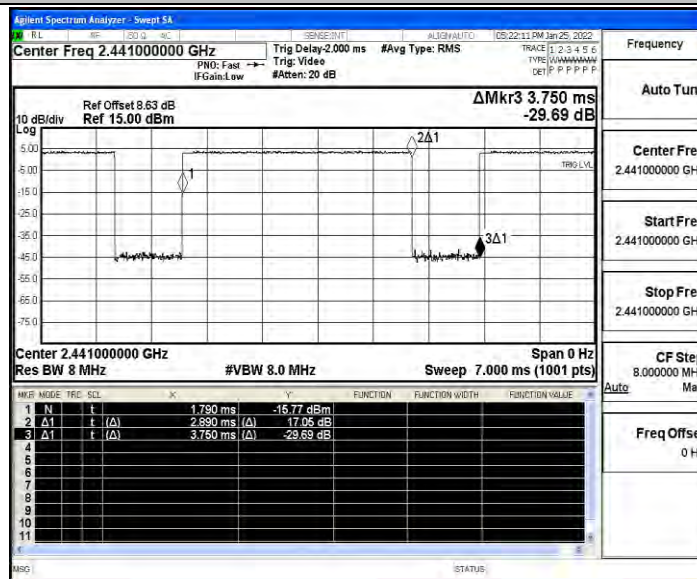
Auto

Freq Offset 0 Hz

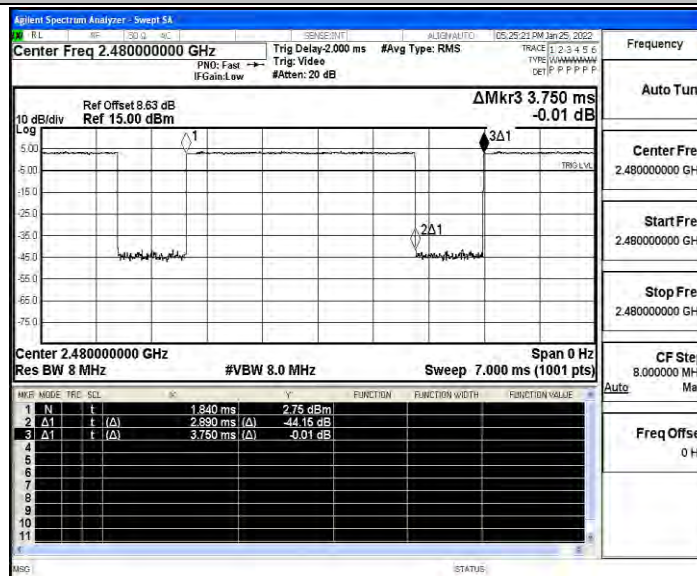
STATUS



2DH5_Ant1_2441

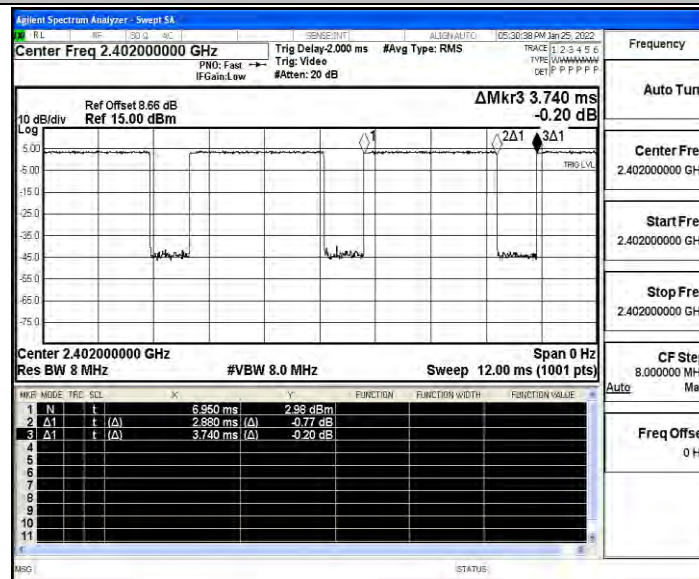


2DH5_Ant1_2480

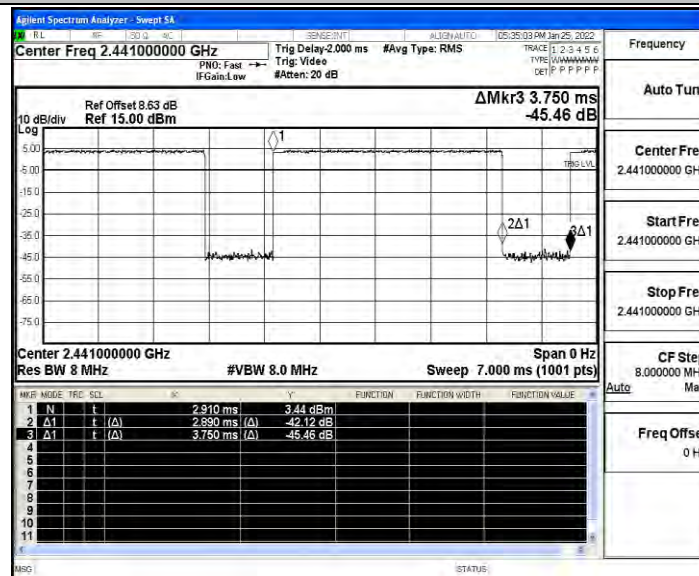




3DH5_Ant1_2402

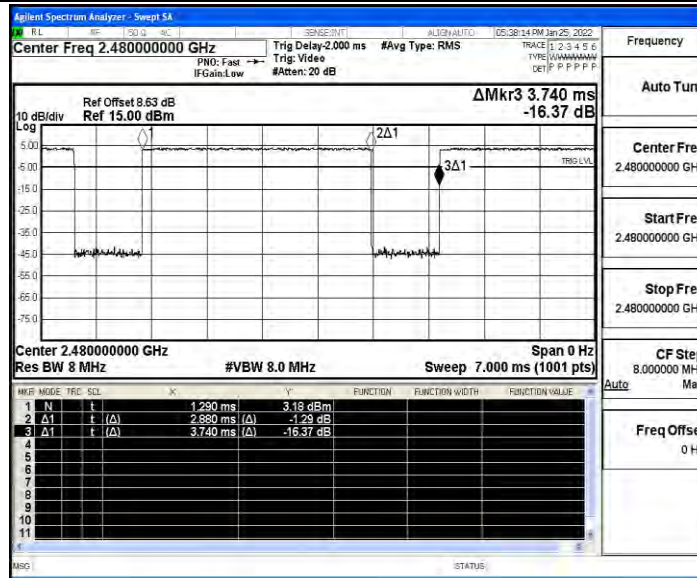


3DH5_Ant1_2441





3DH5_Ant1_2480





Appendix A.5.2: Time of occupancy

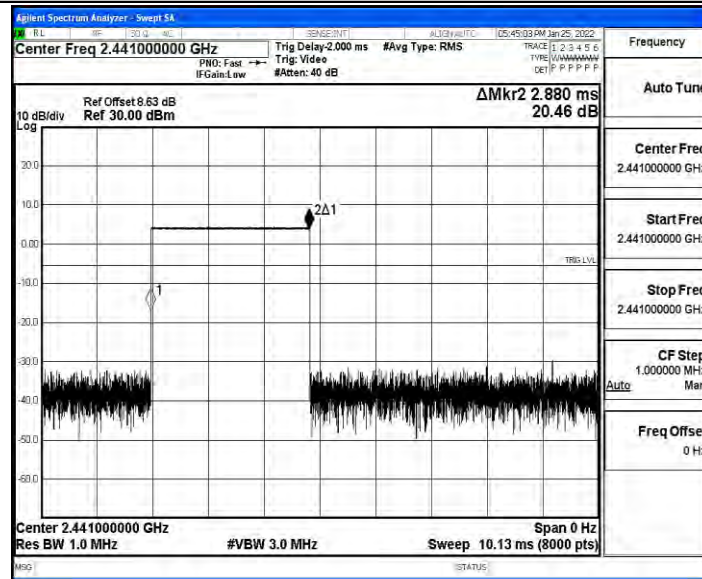
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS

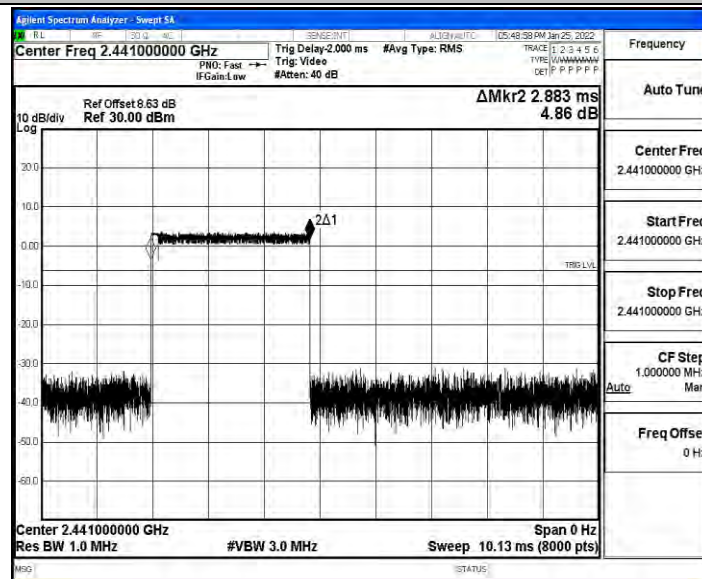


Test Graphs

DH5_Ant1_Hop

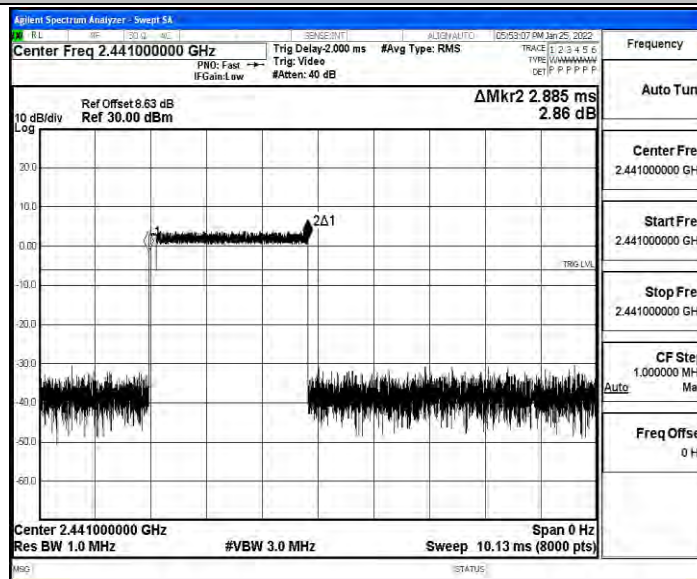


2DH5_Ant1_Hop





3DH5_Ant1_Hop





Appendix A.6: Conducted Spurious Emission

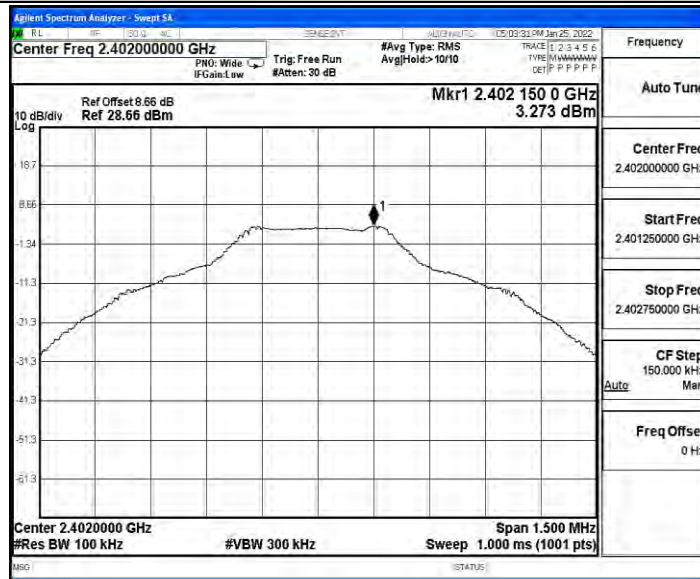
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.27	3.27	---	PASS
			30~1000	3.27	-59.95	≤-16.73	PASS
			1000~26500	3.27	-46.6	≤-16.73	PASS
		2441	Reference	3.56	3.56	---	PASS
			30~1000	3.56	-60.01	≤-16.44	PASS
			1000~26500	3.56	-44.98	≤-16.44	PASS
		2480	Reference	3.91	3.91	---	PASS
			30~1000	3.91	-61.09	≤-16.09	PASS
			1000~26500	3.91	-45.02	≤-16.09	PASS
2DH5	Ant1	2402	Reference	2.15	2.15	---	PASS
			30~1000	2.15	-60.22	≤-17.85	PASS
			1000~26500	2.15	-45.4	≤-17.85	PASS
		2441	Reference	2.65	2.65	---	PASS
			30~1000	2.65	-60.84	≤-17.35	PASS
			1000~26500	2.65	-46.33	≤-17.35	PASS
		2480	Reference	2.14	2.14	---	PASS
			30~1000	2.14	-60.63	≤-17.86	PASS
			1000~26500	2.14	-46.37	≤-17.86	PASS
3DH5	Ant1	2402	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-60.68	≤-17.92	PASS
			1000~26500	2.08	-45.34	≤-17.92	PASS
		2441	Reference	3.02	3.02	---	PASS
			30~1000	3.02	-59.93	≤-16.98	PASS
			1000~26500	3.02	-46.67	≤-16.98	PASS
		2480	Reference	2.87	2.87	---	PASS
			30~1000	2.87	-59.09	≤-17.13	PASS
			1000~26500	2.87	-45.68	≤-17.13	PASS

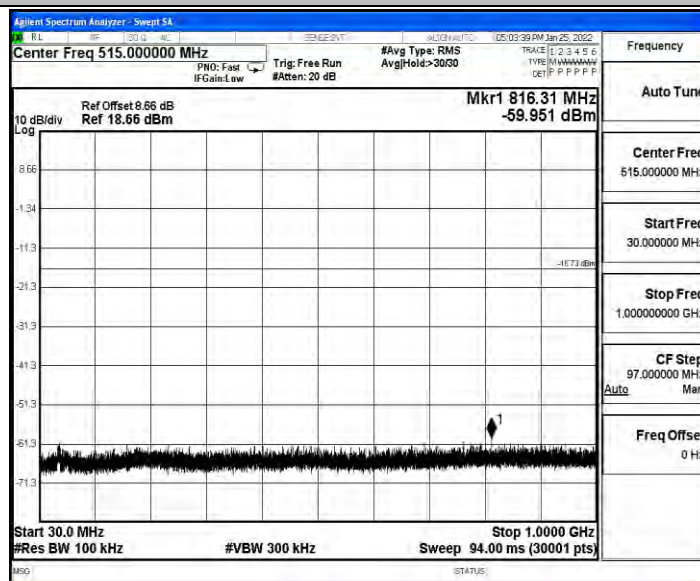


Test Graphs

DH5_Ant1_2402_0-Reference

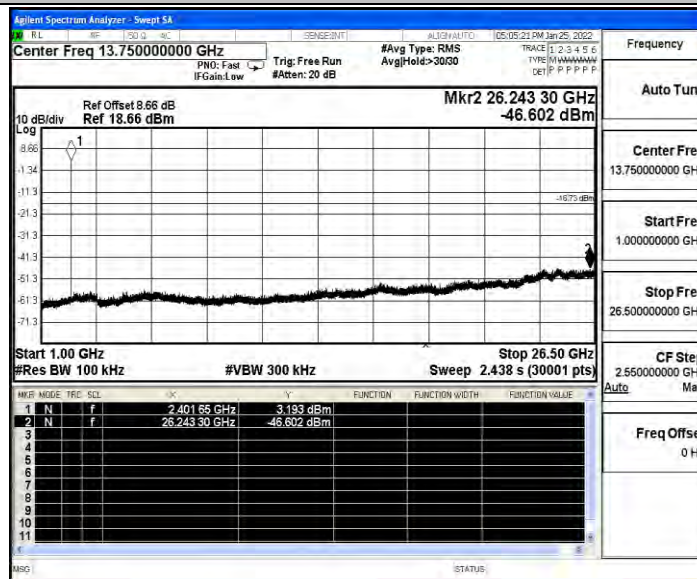


DH5_Ant1_2402_30~1000

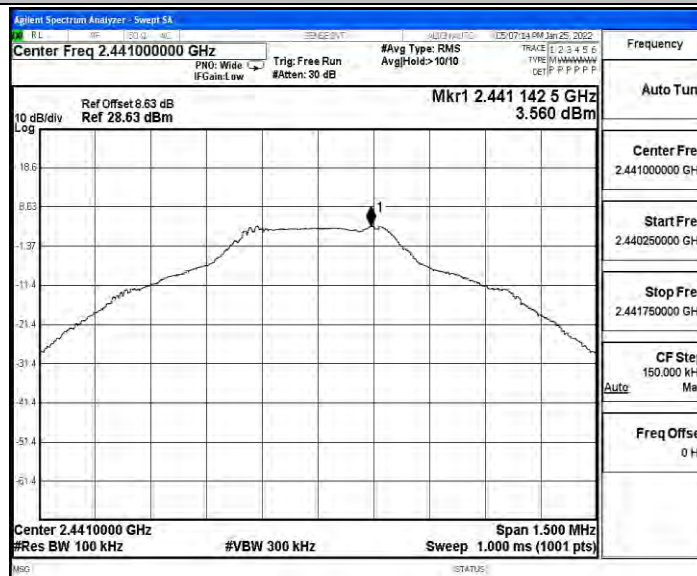




DH5_Ant1_2402_1000~26500

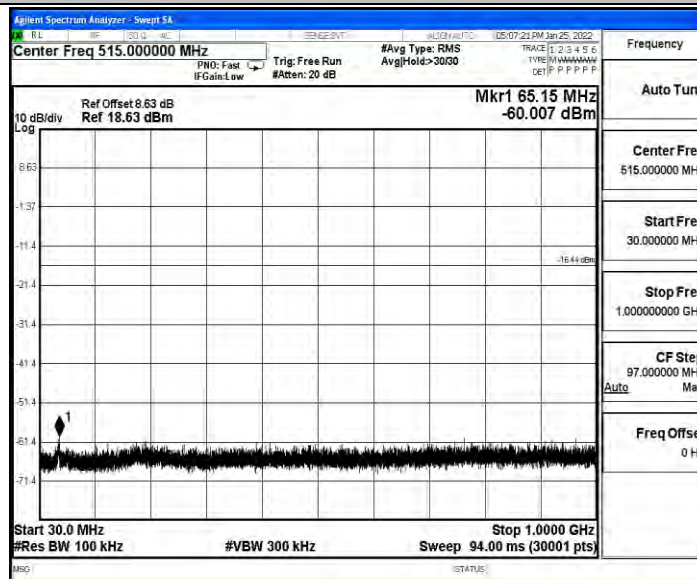


DH5_Ant1_2441_0~Reference

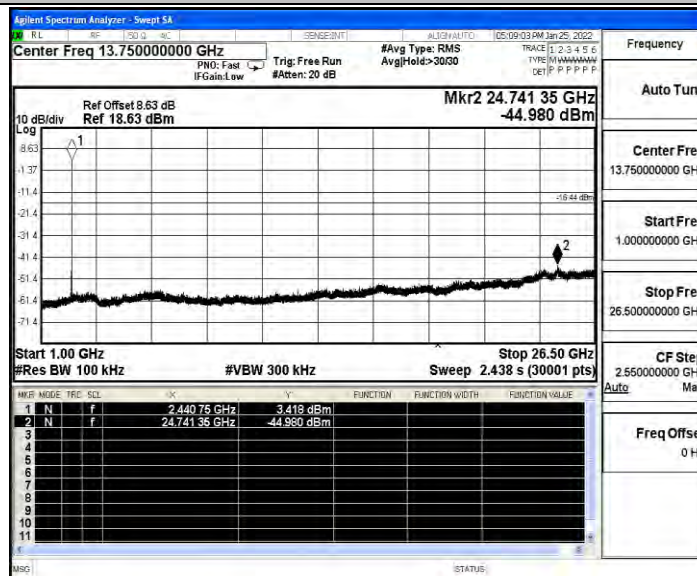




DH5_Ant1_2441_30~1000

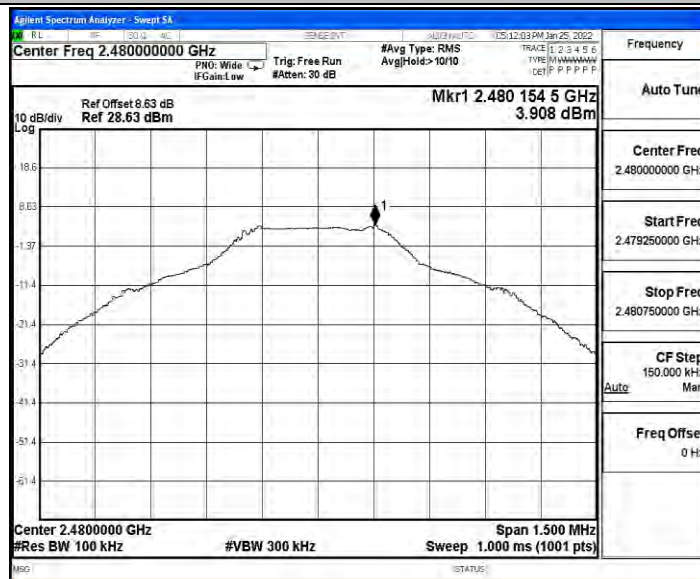


DH5_Ant1_2441_1000~26500

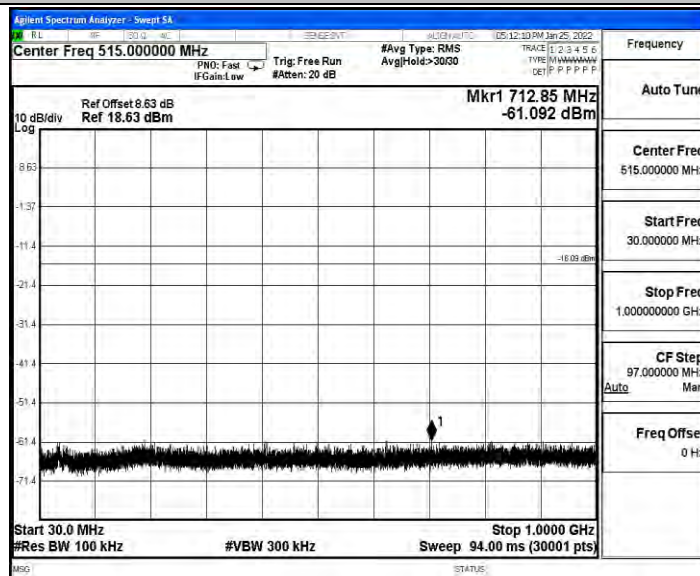




DH5_Ant1_2480_0~Reference

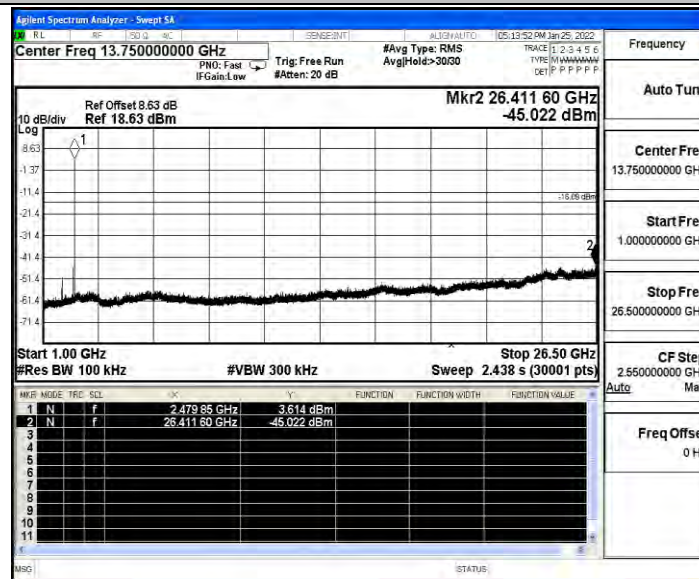


DH5_Ant1_2480_30~1000

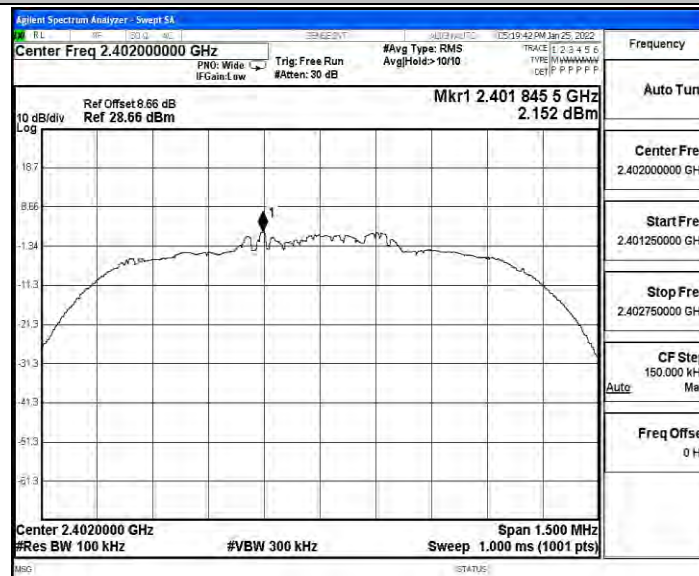




DH5_Ant1_2480_1000~26500

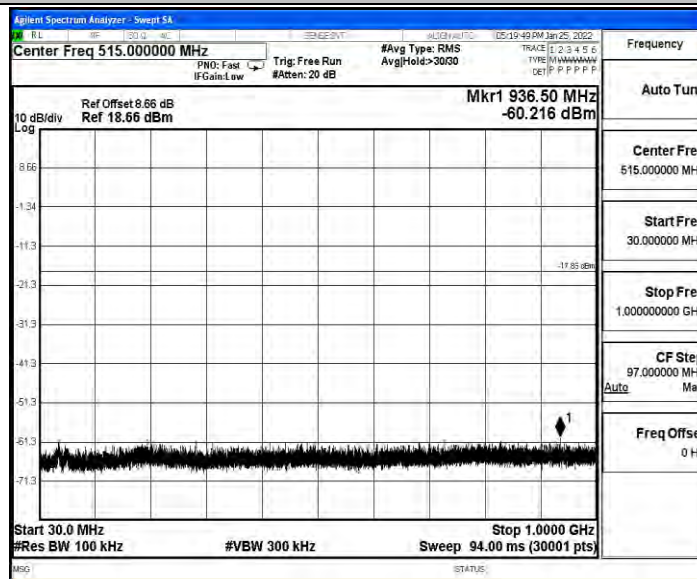


2DH5_Ant1_2402_0~Reference

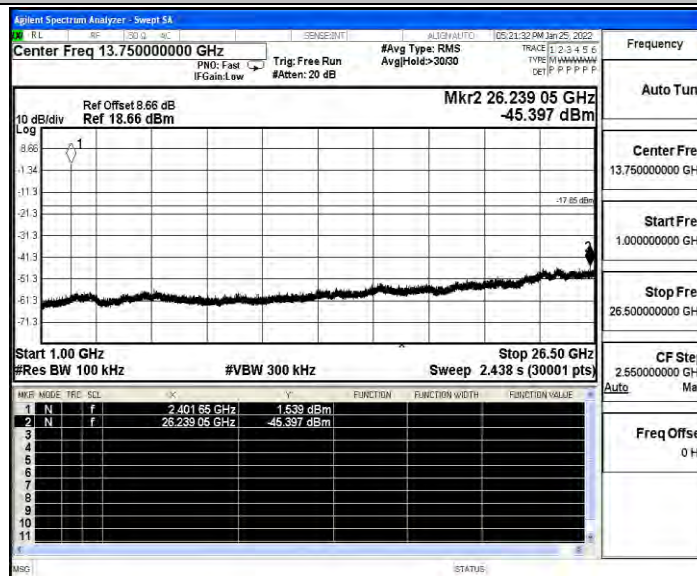




2DH5_Ant1_2402_30~1000

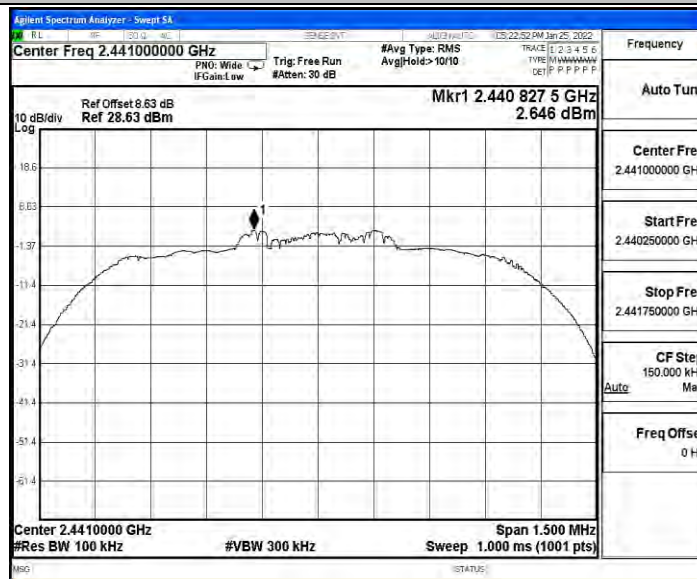


2DH5_Ant1_2402_1000~26500

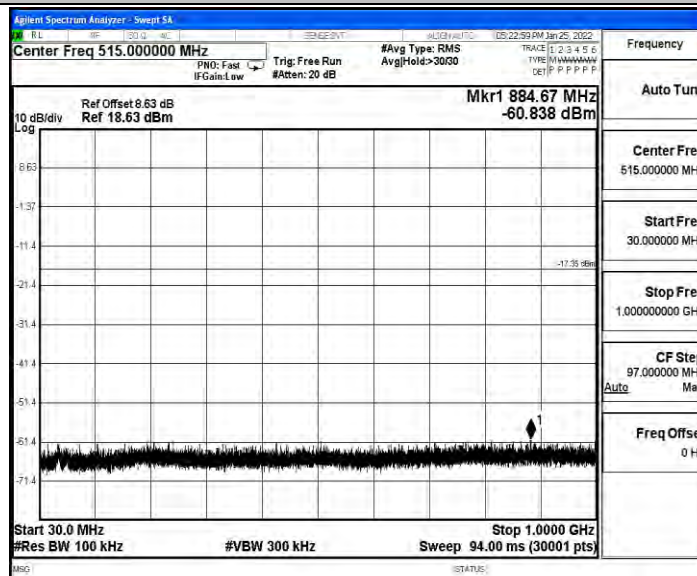




2DH5_Ant1_2441_0~Reference

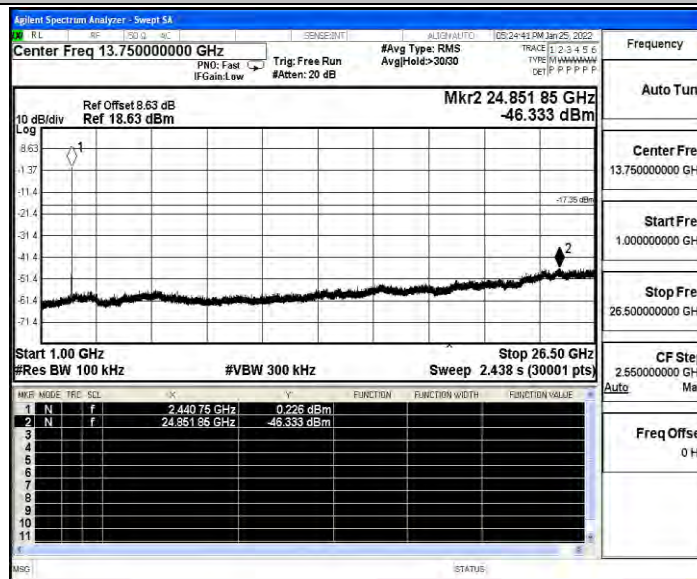


2DH5_Ant1_2441_30~1000

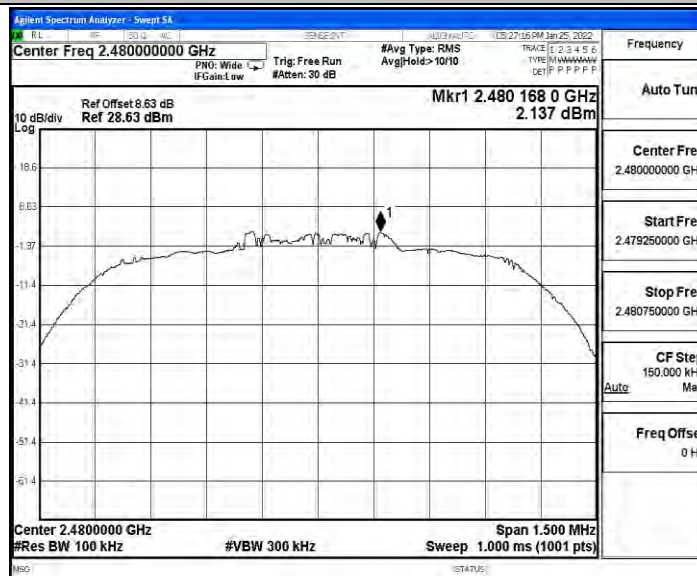




2DH5_Ant1_2441_1000~26500

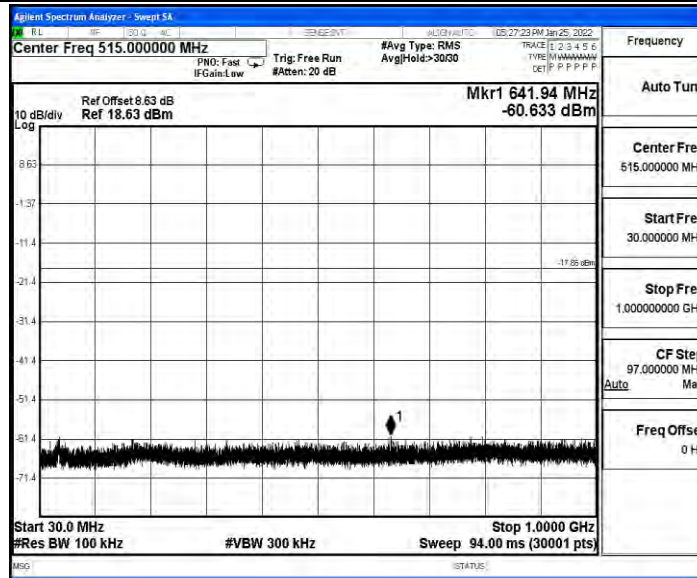


2DH5_Ant1_2480_0~Reference

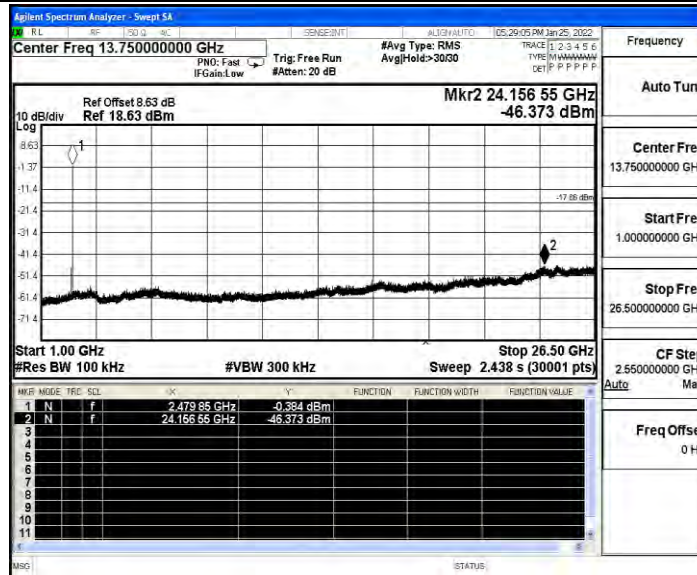




2DH5_Ant1_2480_30~1000

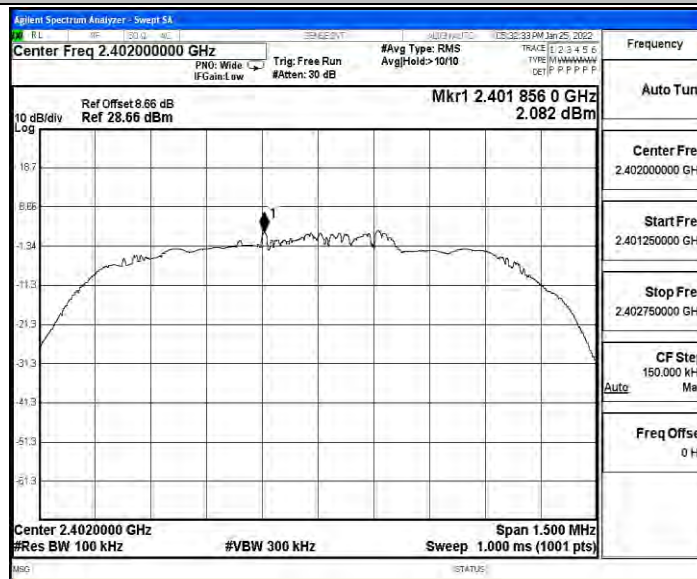


2DH5_Ant1_2480_1000~26500

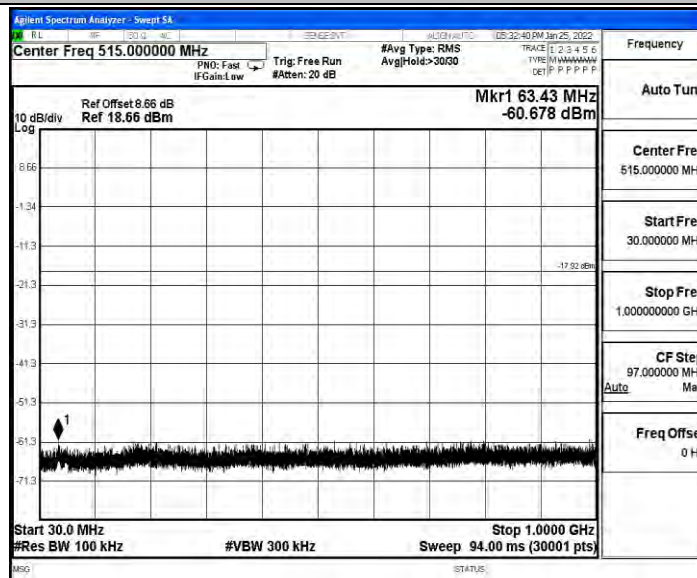




3DH5_Ant1_2402_0~Reference

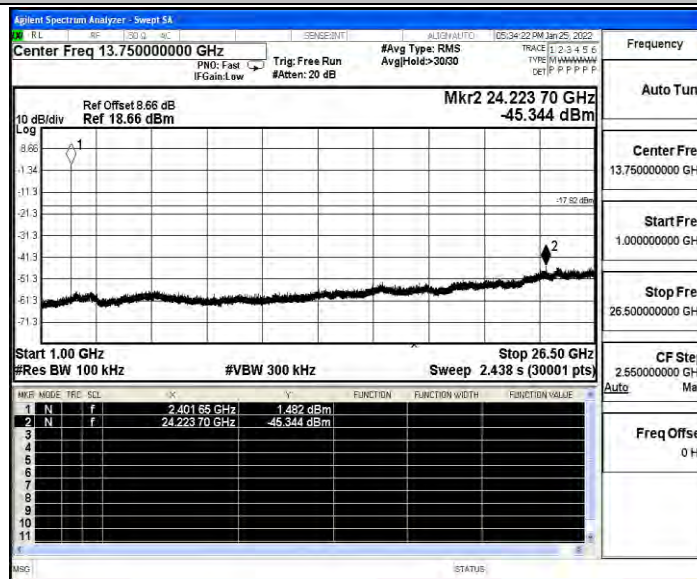


3DH5_Ant1_2402_30~1000

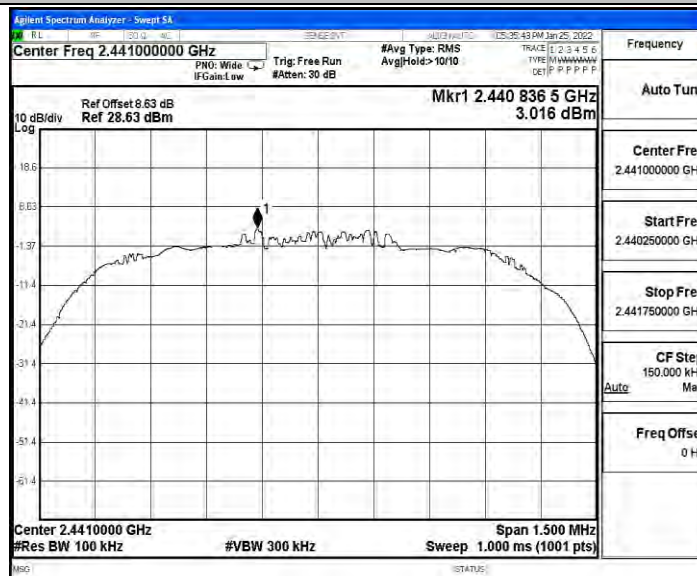




3DH5_Ant1_2402_1000~26500

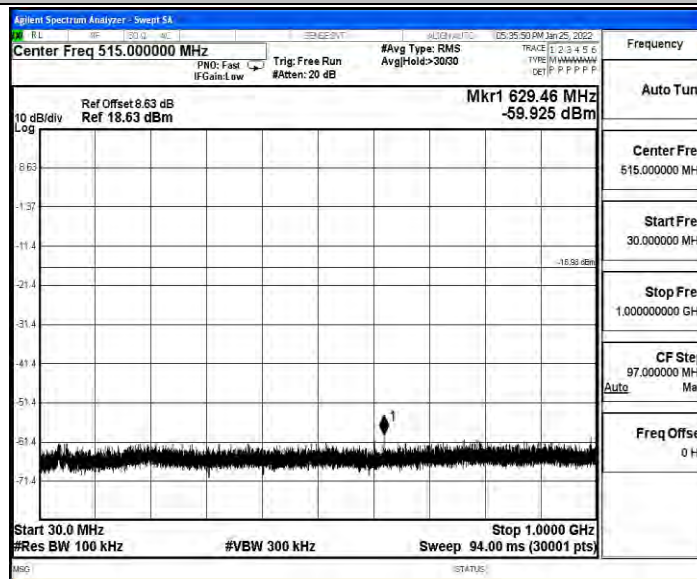


3DH5_Ant1_2441_0~Reference

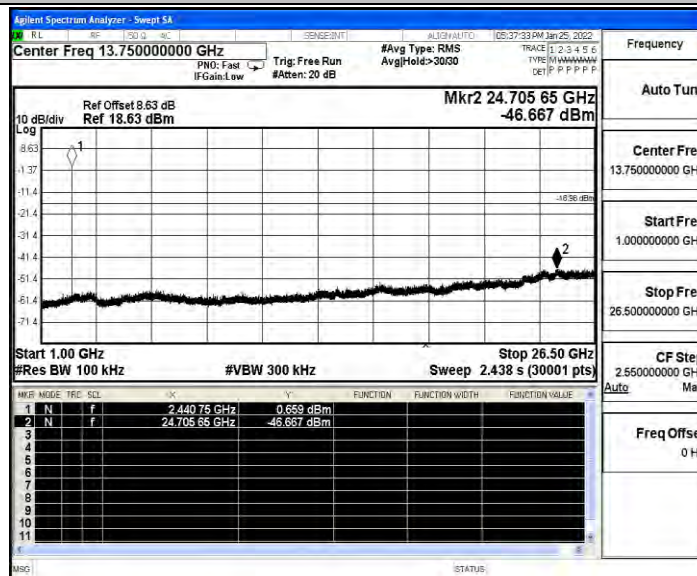




3DH5_Ant1_2441_30~1000

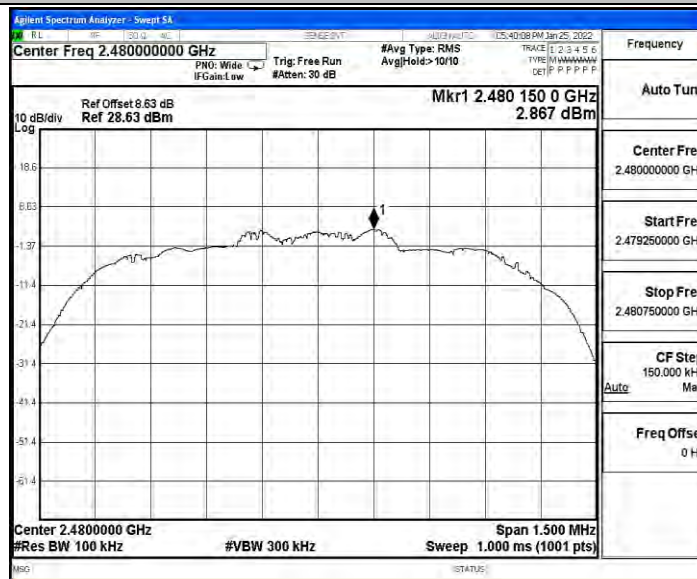


3DH5_Ant1_2441_1000~26500

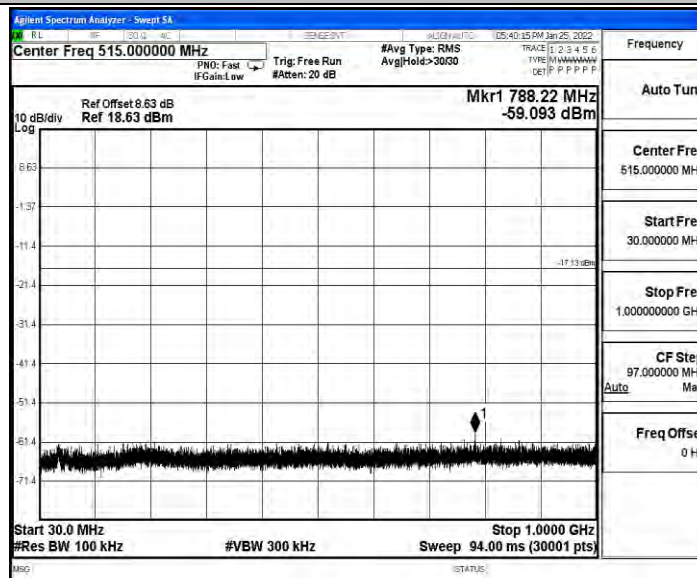




3DH5_Ant1_2480_0~Reference

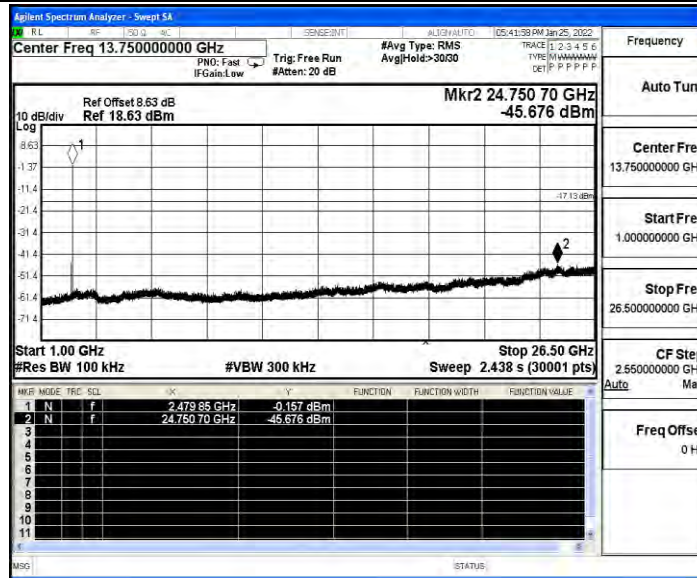


3DH5_Ant1_2480_30~1000





3DH5_Ant1_2480_1000-26500





Appendix A.7: Band edge measurements

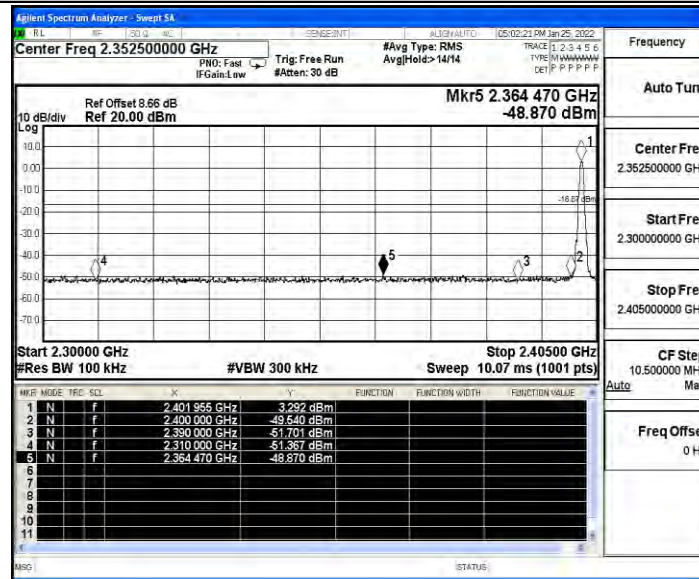
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.13	-48.87	≤ -16.87	PASS
		High	2480	4.06	-47.35	≤ -15.94	PASS
		Low	Hop_2402	2.93	-48.23	≤ -17.07	PASS
		High	Hop_2480	3.54	-47.9	≤ -16.46	PASS
2DH5	Ant1	Low	2402	1.76	-47.47	≤ -18.24	PASS
		High	2480	2.57	-48.38	≤ -17.43	PASS
		Low	Hop_2402	-0.96	-49.51	≤ -20.96	PASS
		High	Hop_2480	0.95	-47.8	≤ -19.05	PASS
3DH5	Ant1	Low	2402	2.04	-47.27	≤ -17.97	PASS
		High	2480	2.26	-47.98	≤ -17.74	PASS
		Low	Hop_2402	-1.43	-49.21	≤ -21.43	PASS
		High	Hop_2480	2.17	-47.99	≤ -17.83	PASS

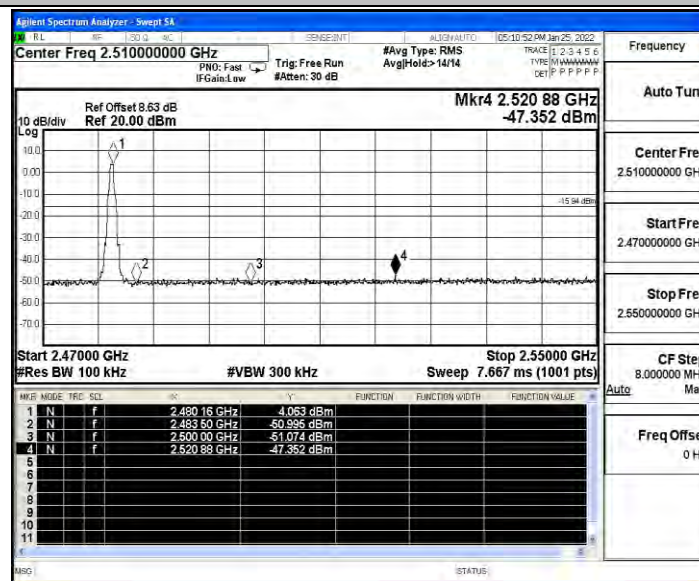


Test Graphs

DH5_Ant1_Low_2402

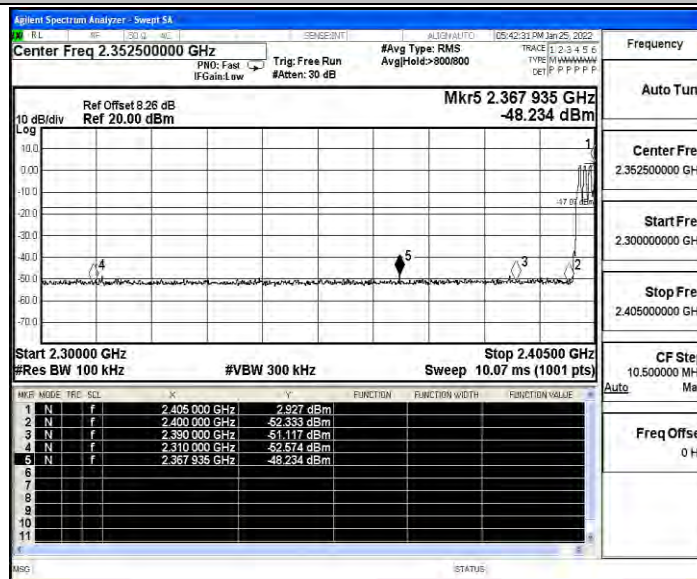


DH5_Ant1_High_2480

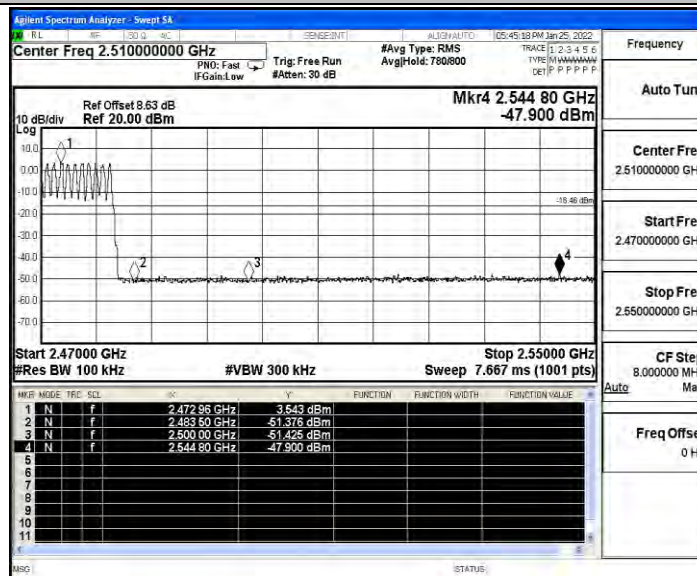




DH5_Ant1_Low_Hop_2402

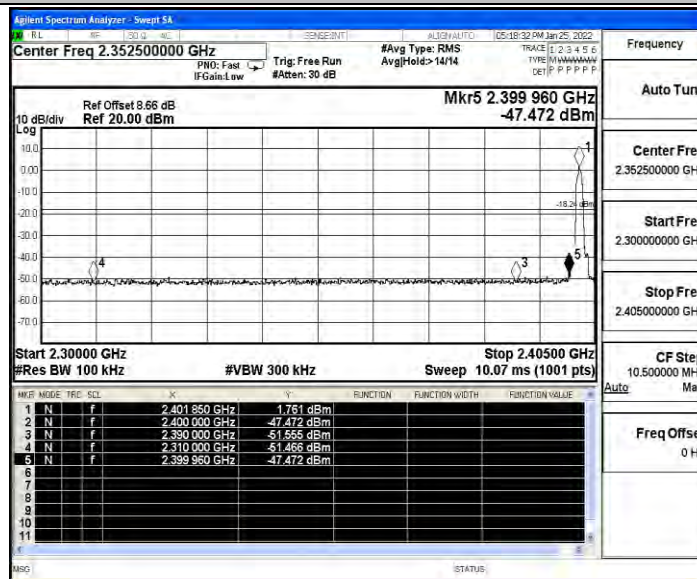


DH5_Ant1_High_Hop_2480

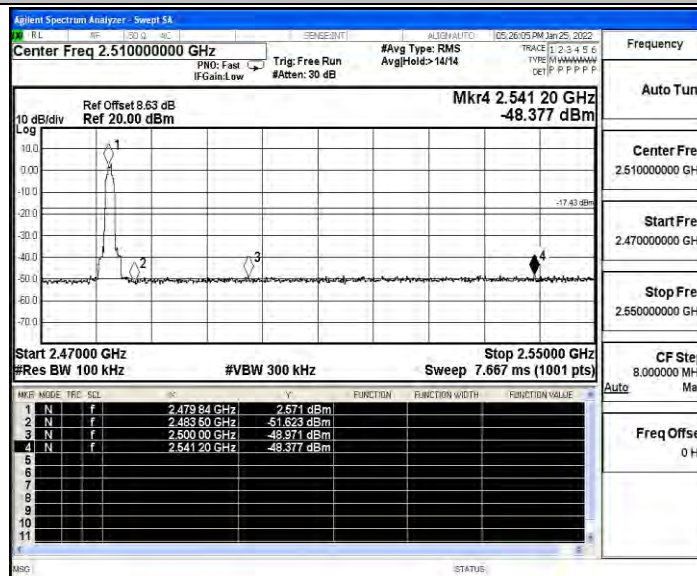




2DH5_Ant1_Low_2402

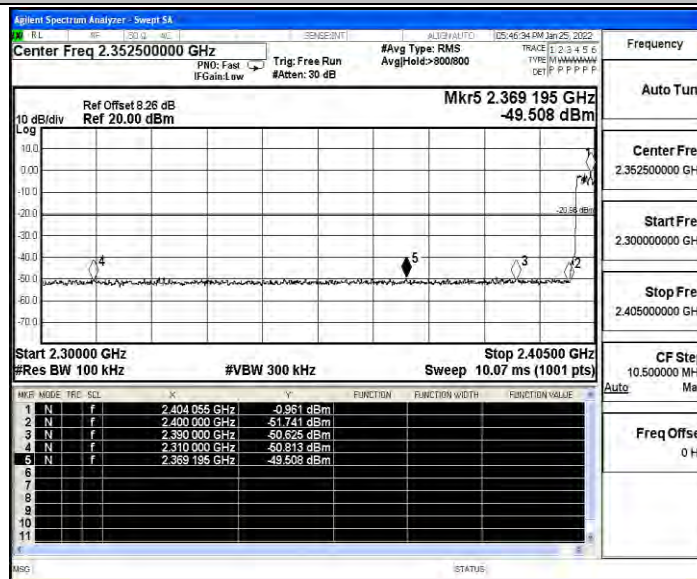


2DH5_Ant1_High_2480

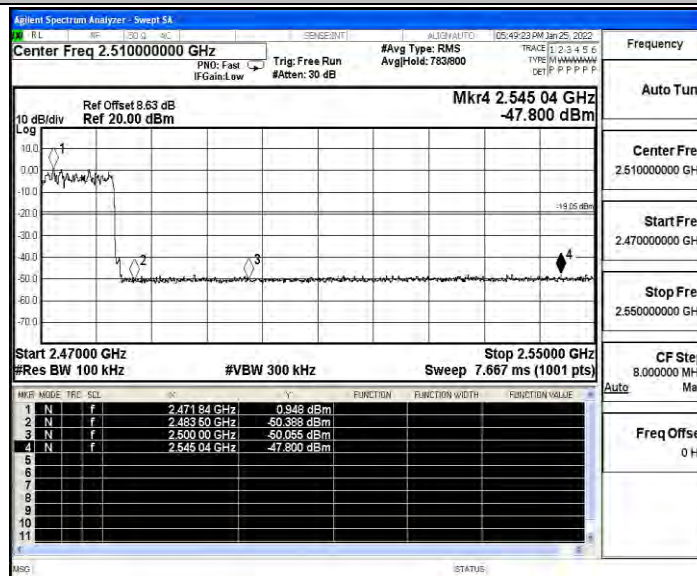




2DH5_Ant1_Low_Hop_2402

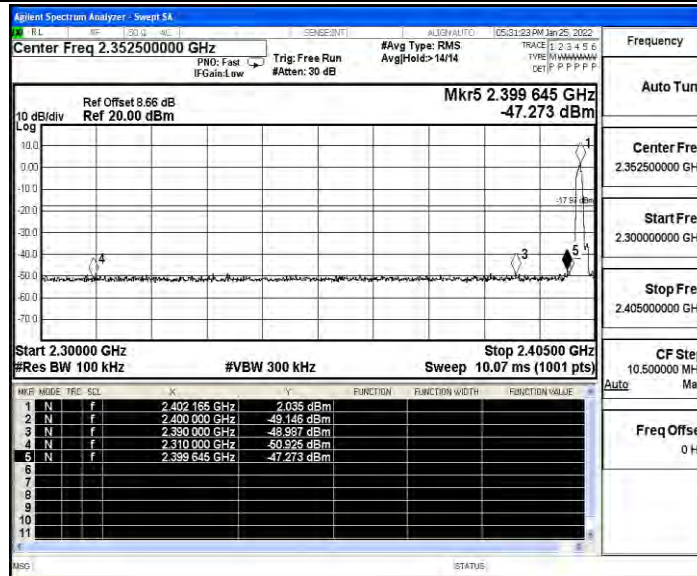


2DH5_Ant1_High_Hop_2480

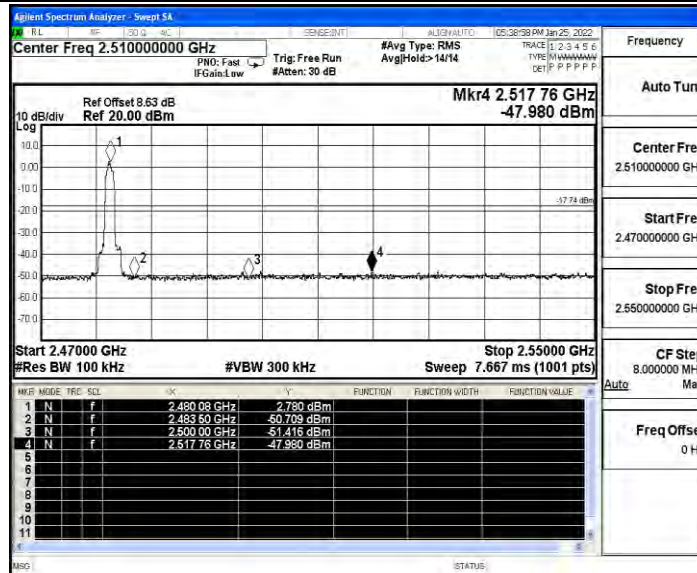




3DH5_Ant1_Low_2402

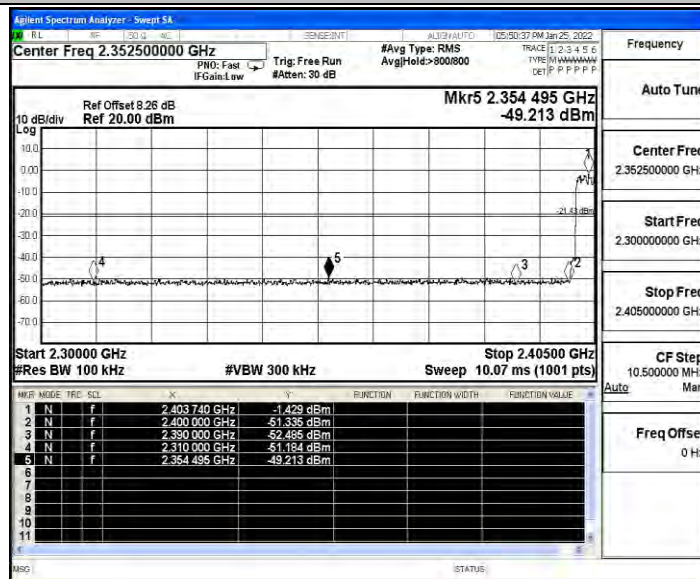


3DH5_Ant1_High_2480

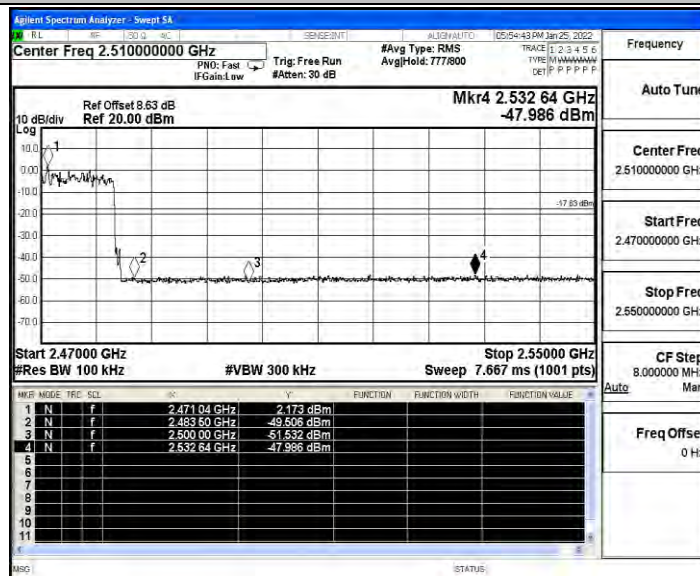




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





Appendix A.8: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-48.18	≤-41.20	47.02	≤54	PASS
				AV	2389.460	-47.83	≤-41.20	47.37	≤54	PASS
				AV	2390.000	-48.01	≤-41.20	47.19	≤54	PASS
				Peak	2310.000	-38.58	≤-21.20	56.62	≤74	PASS
				Peak	2378.855	-36.7	≤-21.20	58.50	≤74	PASS
				Peak	2390.000	-39.15	≤-21.20	56.05	≤74	PASS
		High	2480	AV	2483.500	-47.06	≤-41.20	48.14	≤54	PASS
				AV	2483.520	-47.06	≤-41.20	48.14	≤54	PASS
				AV	2500.000	-47.29	≤-41.20	47.91	≤54	PASS
				Peak	2483.500	-38.18	≤-21.20	57.02	≤74	PASS
				Peak	2486.880	-36.46	≤-21.20	58.74	≤74	PASS
				Peak	2500.000	-37.75	≤-21.20	57.45	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-39.4	≤-21.20	55.80	≤74	PASS
				Peak	2361.110	-36.82	≤-21.20	58.38	≤74	PASS
				Peak	2390.000	-38.28	≤-21.20	56.92	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-38.1	≤-21.20	57.10	≤74	PASS
				Peak	2496.640	-36.35	≤-21.20	58.85	≤74	PASS
				Peak	2500.000	-37.96	≤-21.20	57.24	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.33	≤-41.20	46.87	≤54	PASS
				AV	2389.460	-47.76	≤-41.20	47.44	≤54	PASS
				AV	2390.000	-47.89	≤-41.20	47.31	≤54	PASS
				Peak	2310.000	-39.02	≤-21.20	56.18	≤74	PASS
				Peak	2370.770	-36.56	≤-21.20	58.64	≤74	PASS
				Peak	2390.000	-37.74	≤-21.20	57.46	≤74	PASS
		High	2480	AV	2483.500	-46.8	≤-41.20	48.40	≤54	PASS
				AV	2483.520	-46.8	≤-41.20	48.40	≤54	PASS
				AV	2500.000	-47.44	≤-41.20	47.76	≤54	PASS
				Peak	2483.500	-38.32	≤-21.20	56.88	≤74	PASS
				Peak	2486.080	-36.1	≤-21.20	59.10	≤74	PASS
				Peak	2500.000	-38.02	≤-21.20	57.18	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-39.53	≤-21.20	55.67	≤74	PASS
				Peak	2376.545	-36.72	≤-21.20	58.48	≤74	PASS
				Peak	2390.000	-38.67	≤-21.20	56.53	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-37.88	≤-21.20	57.32	≤74	PASS
				Peak	2496.800	-36.02	≤-21.20	59.18	≤74	PASS
				Peak	2500.000	-37.86	≤-21.20	57.34	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.26	≤-41.20	46.94	≤54	PASS



				AV	2389.565	-47.84	≤ -41.20	47.36	≤ 54	PASS
				AV	2390.000	-48	≤ -41.20	47.20	≤ 54	PASS
				Peak	2310.000	-39.04	≤ -21.20	56.16	≤ 74	PASS
				Peak	2362.895	-36.45	≤ -21.20	58.75	≤ 74	PASS
				Peak	2390.000	-37.92	≤ -21.20	57.28	≤ 74	PASS
		High	2480	AV	2483.500	-46.98	≤ -41.20	48.22	≤ 54	PASS
				AV	2483.520	-46.98	≤ -41.20	48.22	≤ 54	PASS
				AV	2500.000	-47.37	≤ -41.20	47.83	≤ 54	PASS
				Peak	2483.500	-38.06	≤ -21.20	57.14	≤ 74	PASS
				Peak	2491.280	-36.17	≤ -21.20	59.03	≤ 74	PASS
				Peak	2500.000	-38.39	≤ -21.20	56.81	≤ 74	PASS
		Low	Hop_24 02	Peak	2310.000	-38.77	≤ -21.20	56.43	≤ 74	PASS
				Peak	2384.105	-36.81	≤ -21.20	58.39	≤ 74	PASS
				Peak	2390.000	-38.16	≤ -21.20	57.04	≤ 74	PASS
		High	Hop_24 80	Peak	2483.500	-38.08	≤ -21.20	57.12	≤ 74	PASS
				Peak	2493.760	-36.12	≤ -21.20	59.08	≤ 74	PASS
				Peak	2500.000	-37.55	≤ -21.20	57.65	≤ 74	PASS

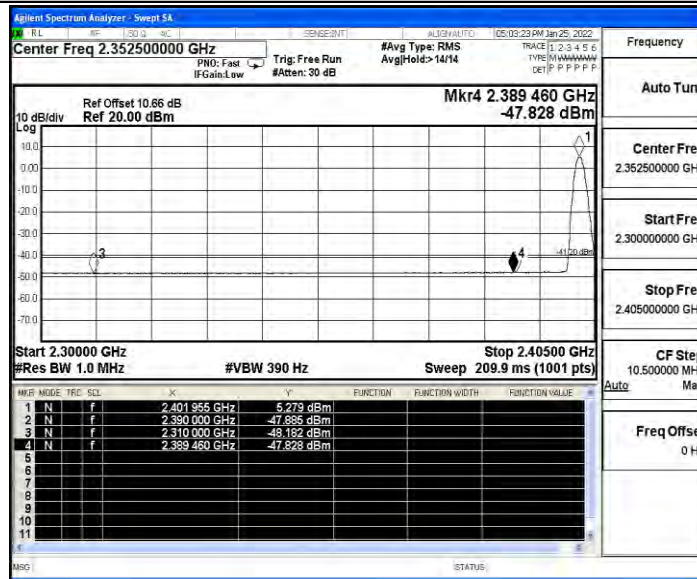
Note:

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.

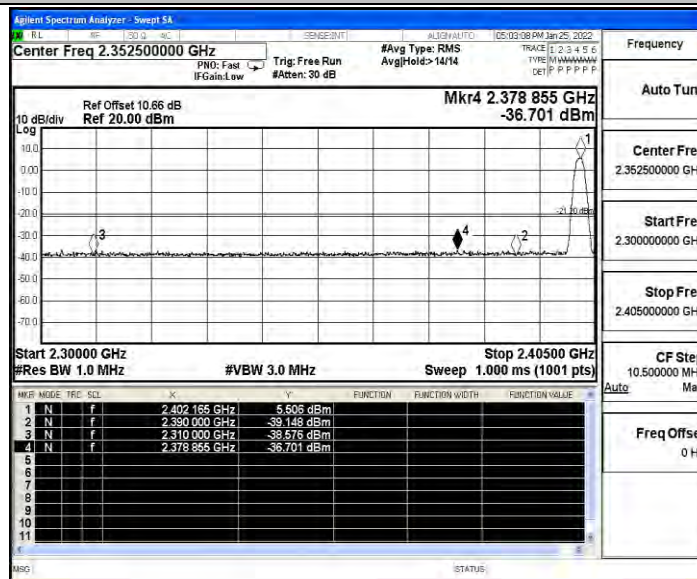


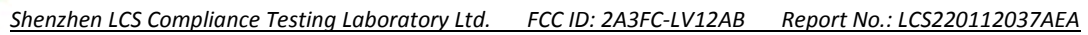
Test Graphs

DH5_Ant1_Low_2402_AV



DH5_Ant1_Low_2402_Peak





Agilent Spectrum Analyzer - Swept SA

RL 100 Q 40 SENSE INT ALSCN AUTO 05:11:54 PM Jan 25, 2002

Center Freq 2.510000000 GHz PNO: Fast Trg: Free Run #Ave Type: RMS #Att: 30 dB AvgHold->14/14 TRACE 1 2 3 4 5 6 TYPE IN WWWWWWW SET P P P P F

Ref Offset 10.63 dB Mkr4 2.483 52 GHz
Ref 20.00 dBm -47.057 dBm

10 dB/Div Log

Start 2.47000 GHz Stop 2.55000 GHz
#Res BW 1.0 MHz #VBW 390 Hz Sweep 160.0 ms (1001 pts)

MKR	MODE	FREQ	SCL	dB	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.480 00 GHz	5.900 dBm			
2	N	f		2.483 50 GHz	-47.057 dBm			
3	N	f		2.500 00 GHz	-47.267 dBm			
4	N	f		2.483 52 GHz	-47.057 dBm			
5								
6								
7								
8								
9								
10								
11								

Auto Tune

Center Freq 2.510000000 GHz

Start Freq 2.470000000 GHz

Stop Freq 2.550000000 GHz

CF Step 8.000000 MHz Man

Freq Offset 0 Hz

STATUS

DH5_Ant1_High_2480_Meak

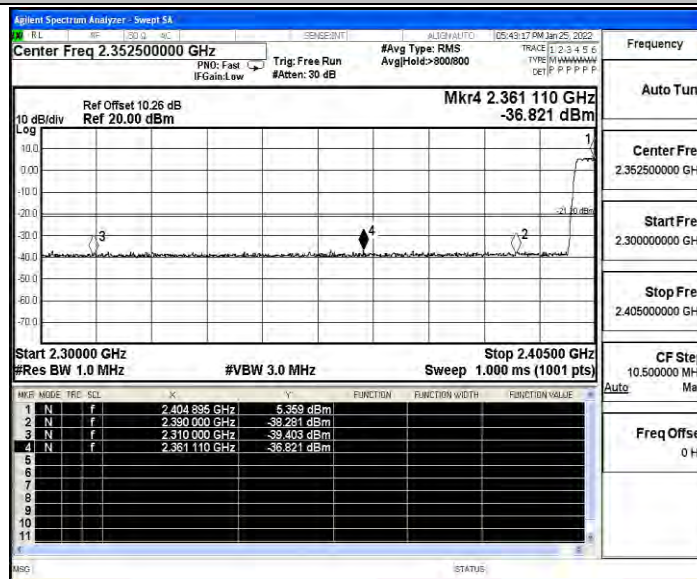
Agilent Spectrum Analyzer - Swept SA

RL 100 400 SENSE [NT] AUTOHOLD: 05:11:39 PM Jan 25, 2002

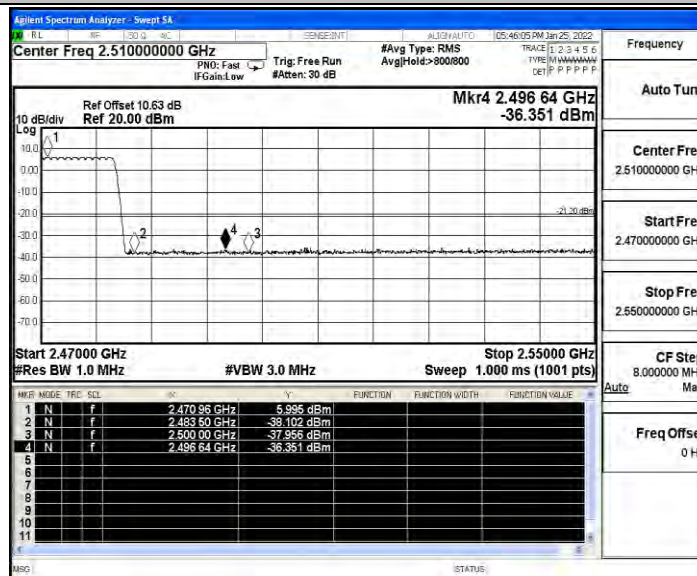
Center Freq 2.510000000 GHz #Avg Type: RMS TRACE 1 2 3 4 5 6
 PNO: Fast Trg: Free Run AvgHold: 14/14 TYPE [0] [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] [30] [31] [32] [33] [34] [35] [36] [37] [38] [39] [40] [41] [42] [43] [44] [45] [46] [47] [48] [49] [50] [51] [52] [53] [54] [55] [56] [57] [58] [59] [60] [61] [62] [63] [64] [65] [66] [67] [68] [69] [70] [71] [72] [73] [74] [75] [76] [77] [78] [79] [80] [81] [82] [83] [84] [85] [86] [87] [88] [89] [90] [91] [92] [93] [94] [95] [96] [97] [98] [99] [100] [101] [102] [103] [104] [105] [106] [107] [108] [109] [110] [111] [112] [113] [114] [115] [116] [117] [118] [119] [120] [121] [122] [123] [124] [125] [126] [127] [128] [129] [130] [131] [132] [133] [134] [135] [136] [137] [138] [139] [140] [141] [142] [143] [144] [145] [146] [147] [148] [149] [150] [151] [152] [153] [154] [155] [156] [157] [158] [159] [160] [161] [162] [163] [164] [165] [166] [167] [168] [169] [170] [171] [172] [173] [174] [175] [176] [177] [178] [179] [180] [181] [182] [183] [184] [185] [186] [187] [188] [189] [190] [191] [192] [193] [194] [195] [196] [197] [198] [199] [200] [201] [202] [203] [204] [205] [206] [207] [208] [209] [210] [211] [212] [213] [214] [215] [216] [217] [218] [219] [220] [221] [222] [223] [224] [225] [226] [227] [228] [229] [230] [231] [232] [233] [234] [235] [236] [237] [238] [239] [240] [241] [242] [243] [244] [245] [246] [247] [248] [249] [250] [251] [252] [253] [254] [255] [256] [257] [258] [259] [260] [261] [262] [263] [264] [265] [266] [267] [268] [269] [270] [271] [272] [273] [274] [275] [276] [277] [278] [279] [280] [281] [282] [283] [284] [285] [286] [287] [288] [289] [290] [291] [292] [293] [294] [295] [296] [297] [298] [299] [300] [301] [302] [303] [304] [305] [306] [307] [308] [309] [310] [311] [312] [313] [314] [315] [316] [317] [318] [319] [320] [321] [322] [323] [324] [325] [326] [327] [328] [329] [330] [331] [332] [333] [334] [335] [336] [337] [338] [339] [340] [341] [342] [343] [344] [345] [346] [347] [348] [349] [350] [351] [352] [353] [354] [355] [356] [357] [358] [359] [360] [361] [362] [363] [364] [365] [366] [367] [368] [369] [370] [371] [372] [373] [374] [375] [376] [377] [378] [379] [380] [381] [382] [383] [384] [385] [386] [387] [388] [389] [390] [391] [392] [393] [394] [395] [396] [397] [398] [399] [400] [401] [402] [403] [404] [405] [406] [407] [408] [409] [410] [411] [412] [413] [414] [415] [416] [417] [418] [419] [420] [421] [422] [423] [424] [425] [426] [427] [428] [429] [430] [431] [432] [433] [434] [435] [436] [437] [438] [439] [440] [441] [442] [443] [444] [445] [446] [447] [448] [449] [450] [451] [452] [453] [454] [455] [456] [457] [458] [459] [460] [461] [462] [463] [464] [465] [466] [467] [468] [469] [470] [471] [472] [473] [474] [475] [476] [477] [478] [479] [480] [481] [482] [483] [484] [485] [486] [487] [488] [489] [490] [491] [492] [493] [494] [495] [496] [497] [498] [499] [500] [501] [502] [503] [504] [505] [506] [507] [508] [509] [510] [511] [512] [513] [514] [515] [516] [517] [518] [519] [520] [521] [522] [523] [524] [525] [526] [527] [528] [529] [530] [531] [532] [533] [534] [535] [536] [537] [538] [539] [540] [541] [542] [543] [544] [545] [546] [547] [548] [549] [550] [551] [552] [553] [554] [555] [556] [557] [558] [559] [560] [561] [562] [563] [564] [565] [566] [567] [568] [569] [570] [571] [572] [573] [574] [575] [576] [577] [578] [579] [580] [581] [582] [583] [584] [585] [586] [587] [588] [589] [590] [591] [592] [593] [594] [595] [596] [597] [598] [599] [600] [601] [602] [603] [604] [605] [606] [607] [608] [609] [610] [611] [612] [613] [614] [615] [616] [617] [618] [619] [620] [621] [622] [623] [624] [625] [626] [627] [628] [629] [630] [631] [632] [633] [634] [635] [636] [637] [638] [639] [640] [641] [642] [643] [644] [645] [646] [647] [648] [649] [650] [651] [652] [653] [654] [655] [656] [657] [658] [659] [660] [661] [662] [663] [664] [665] [666] [667] [668] [669] [670] [671] [672] [673] [674] [675] [676] [677] [678] [679] [680] [681] [682] [683] [684] [685] [686] [687] [688] [689] [690] [691] [692] [693] [694] [695] [696] [697] [698] [699] [700] [701] [702] [703] [704] [705] [706] [707] [708] [709] [710] [711] [712] [713] [714] [715] [716] [717] [718] [719] [720] [721] [722] [723] [724] [725] [726] [727] [728] [729] [730] [731] [732] [733] [734] [735] [736] [737] [738] [739] [740] [741] [742] [743] [744] [745] [746] [747] [748] [749] [750] [751] [752] [753] [754] [755] [756] [757] [758] [759] [760] [761] [762] [763] [764] [765] [766] [767] [768] [769] [770] [771] [772] [773] [774] [775] [776] [777] [778] [779] [780] [781] [782] [783] [784] [785] [786] [7

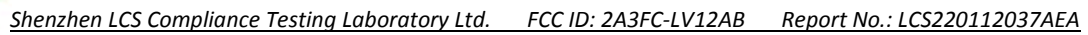


DH5_Ant1_Low_Hop_2402_Peak

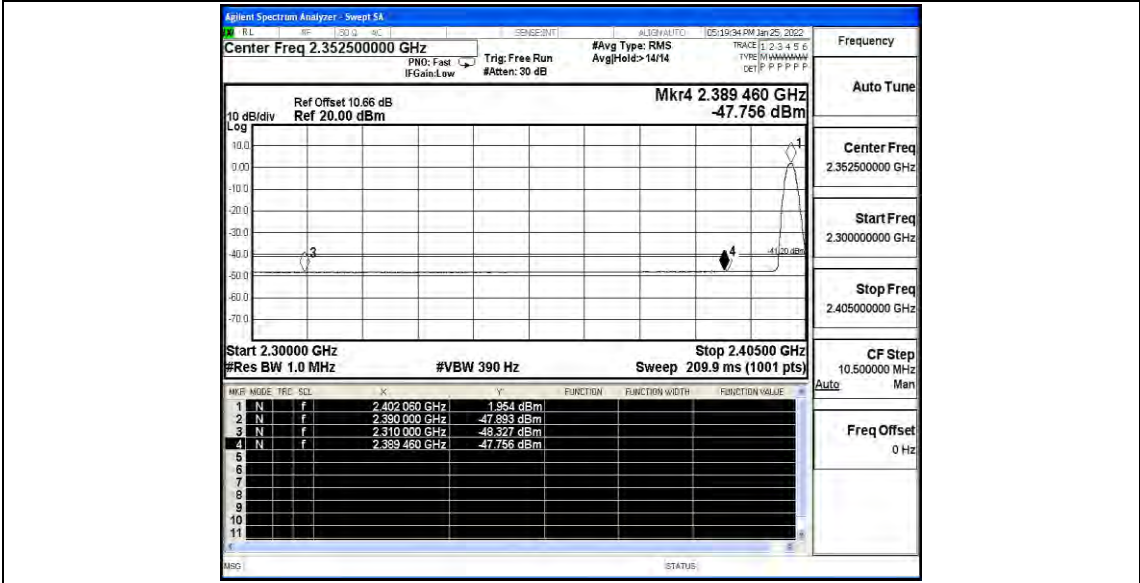


DH5_Ant1_High_Hop_2480_Peak

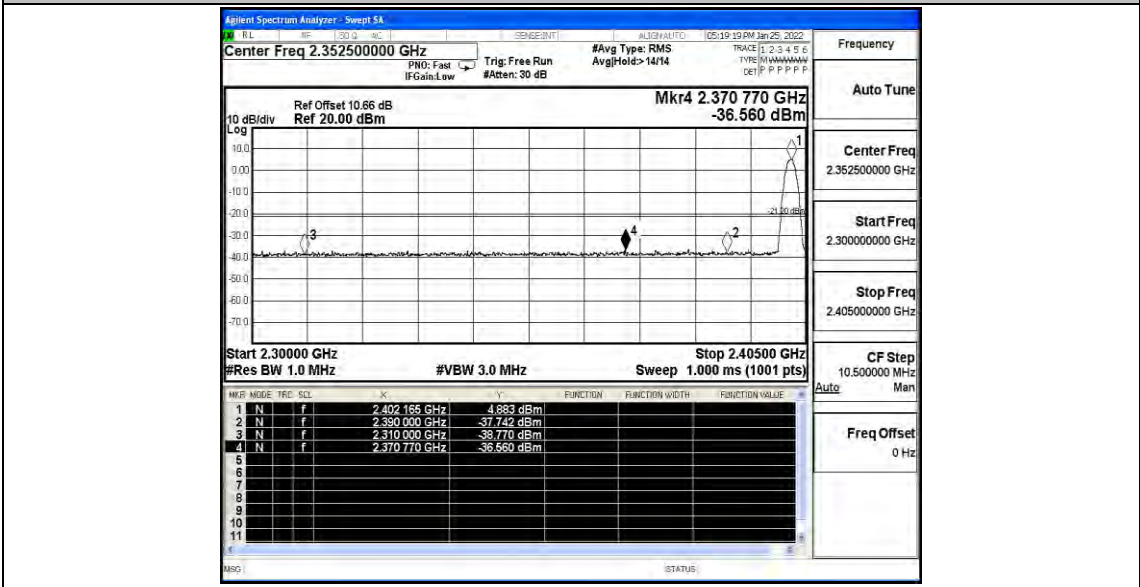




2DH5_Ant1_Low_2402_AV

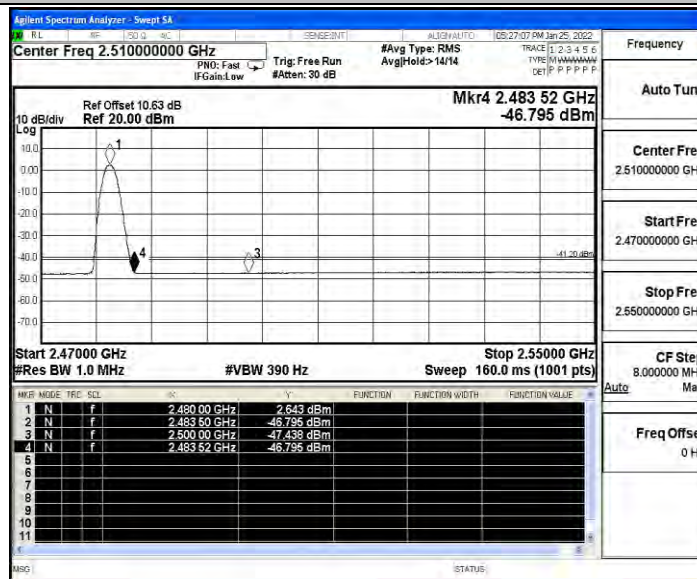


2DH5_Ant1_Low_2402_Peak

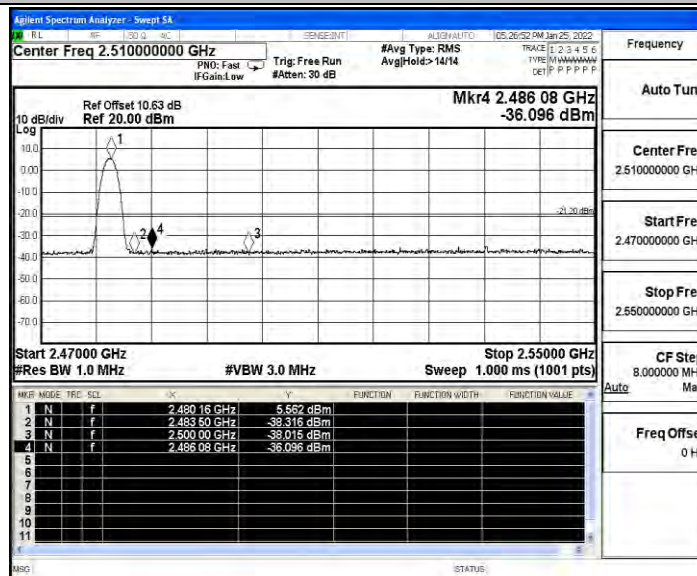




2DH5_Ant1_High_2480_AV

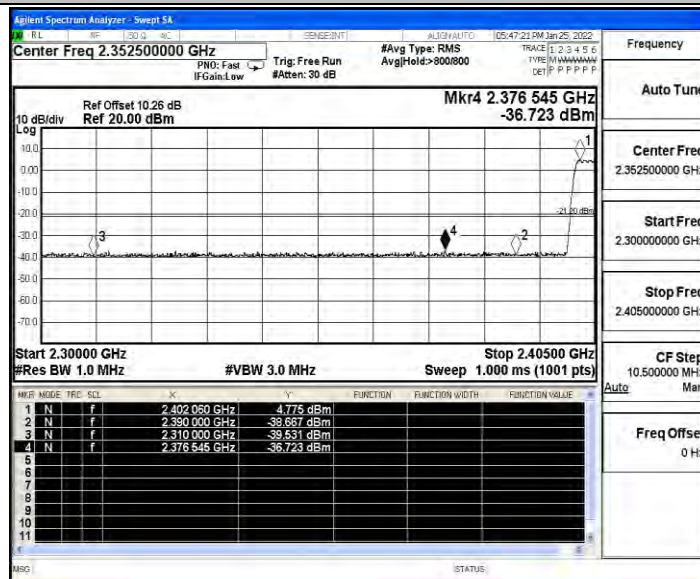


2DH5_Ant1_High_2480_Peak

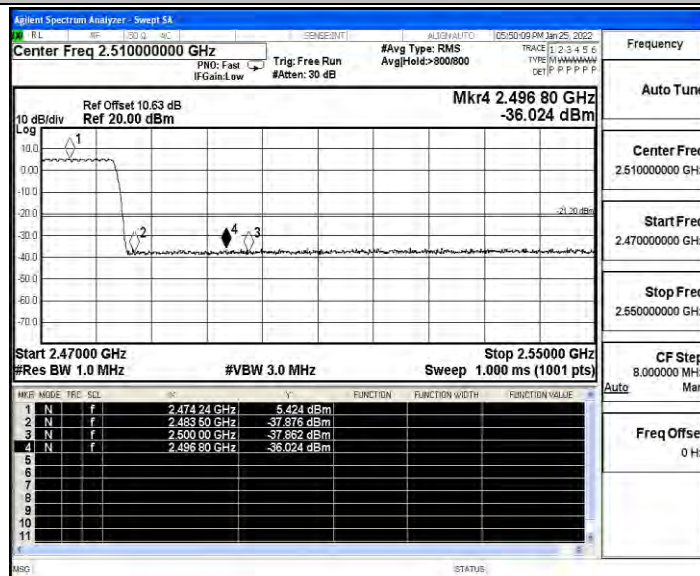




2DH5_Ant1_Low_Hop_2402_Peak

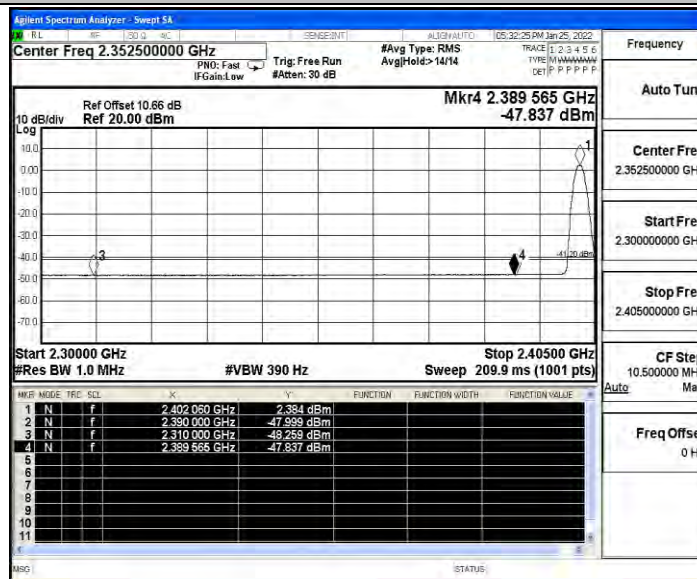


2DH5_Ant1_High_Hop_2480_Peak

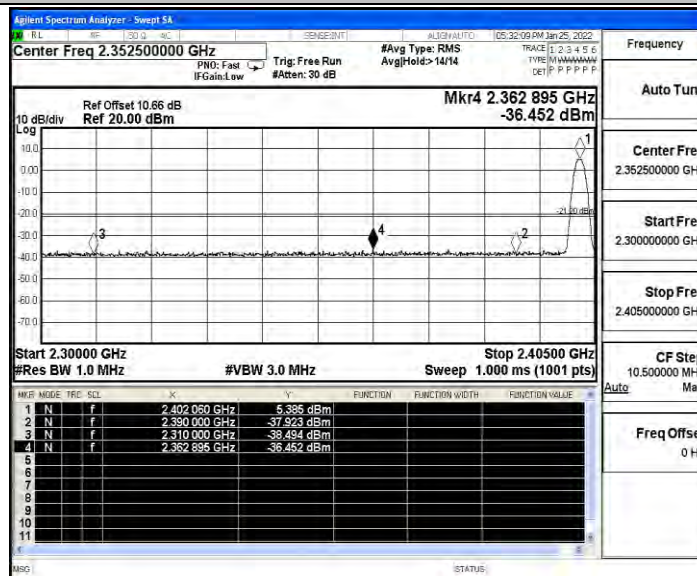




3DH5_Ant1_Low_2402_AV

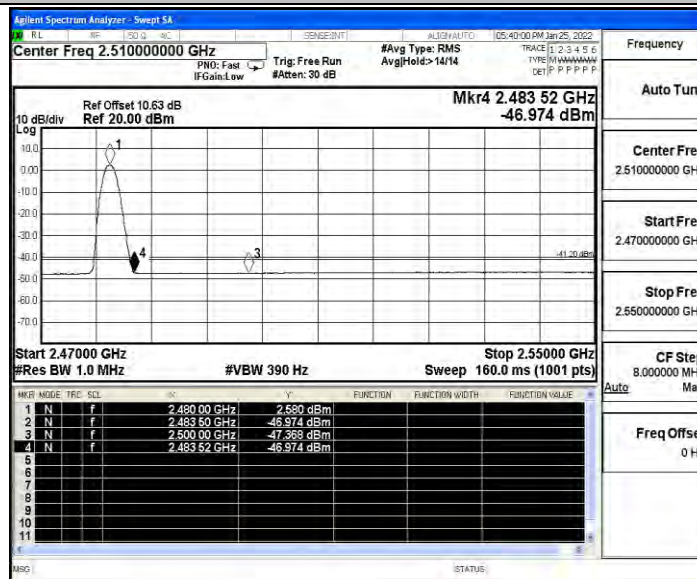


3DH5_Ant1_Low_2402_Peak

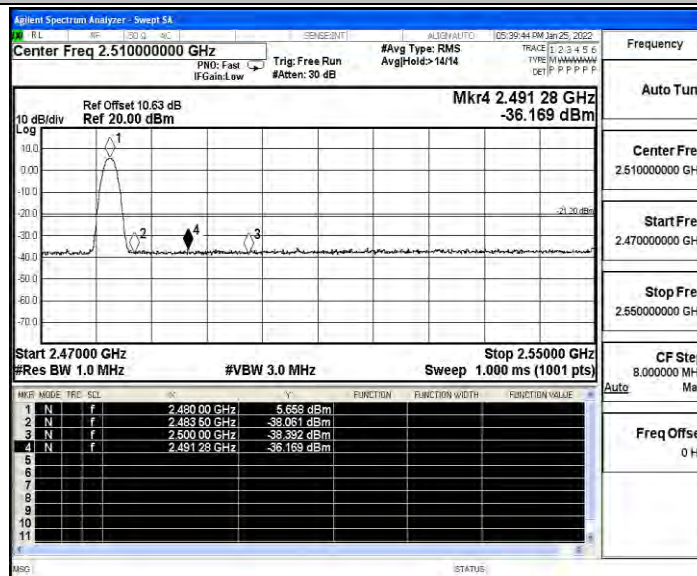




3DH5_Ant1_High_2480_AV

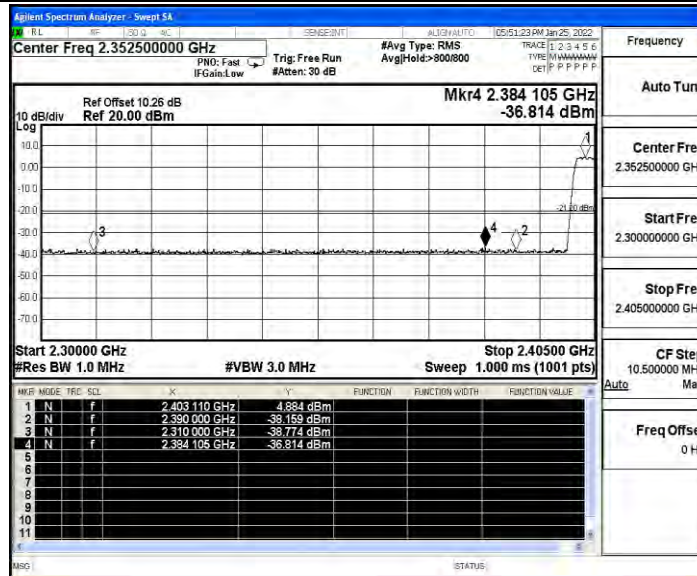


3DH5_Ant1_High_2480_Peak





3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

