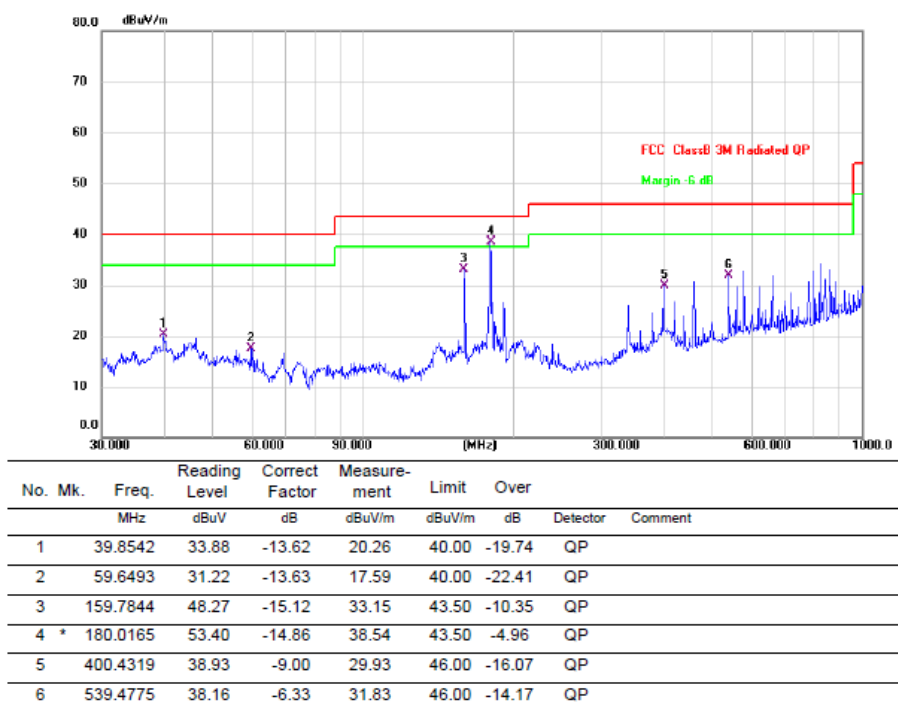
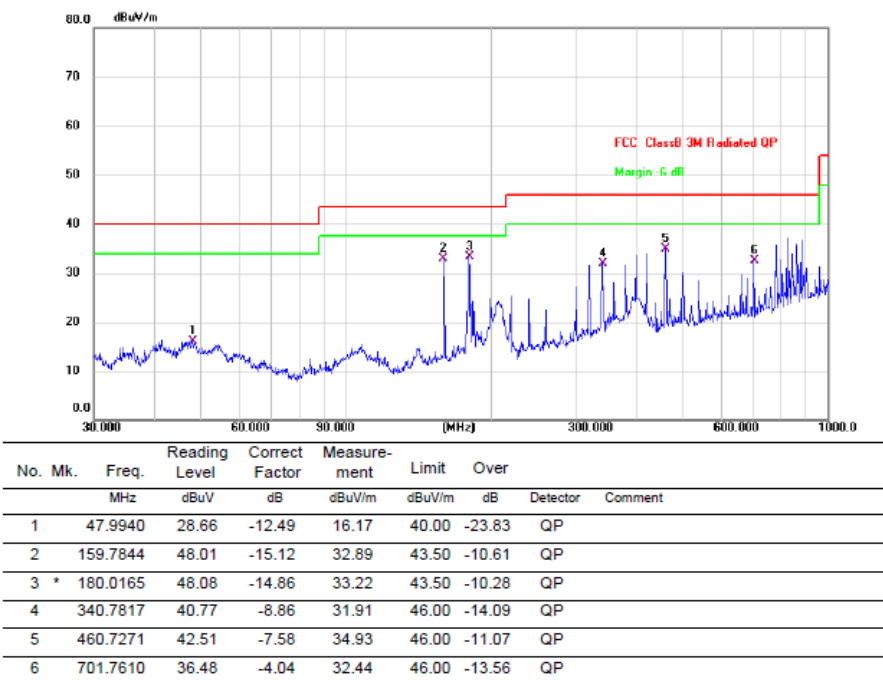


M221

Mode2 / Polarization: Horizontal / CH: H

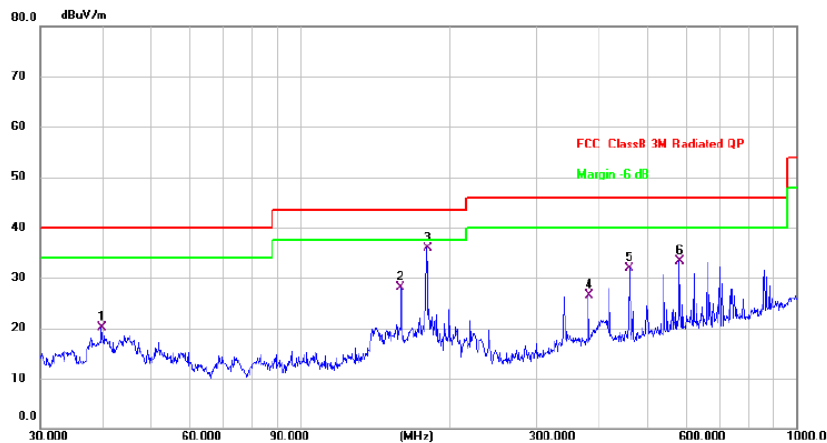


Mode2 / Polarization: Vertical / CH: H



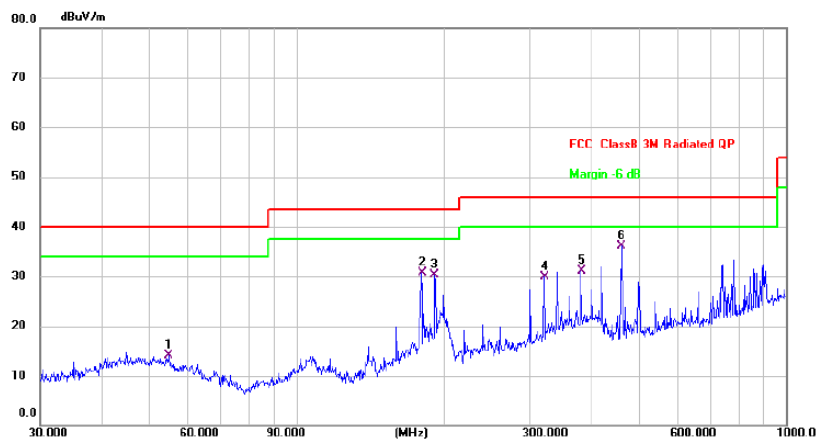
M250

Mode2 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		39.8542	33.66	-13.62	20.04	40.00	-19.96	QP	
2		159.7844	43.15	-15.12	28.03	43.50	-15.47	QP	
3	*	180.0165	50.81	-14.86	35.95	43.50	-7.55	QP	
4		381.2487	35.12	-8.66	26.46	46.00	-19.54	QP	
5		460.7271	39.42	-7.58	31.84	46.00	-14.16	QP	
6		580.7026	38.14	-4.83	33.31	46.00	-12.69	QP	

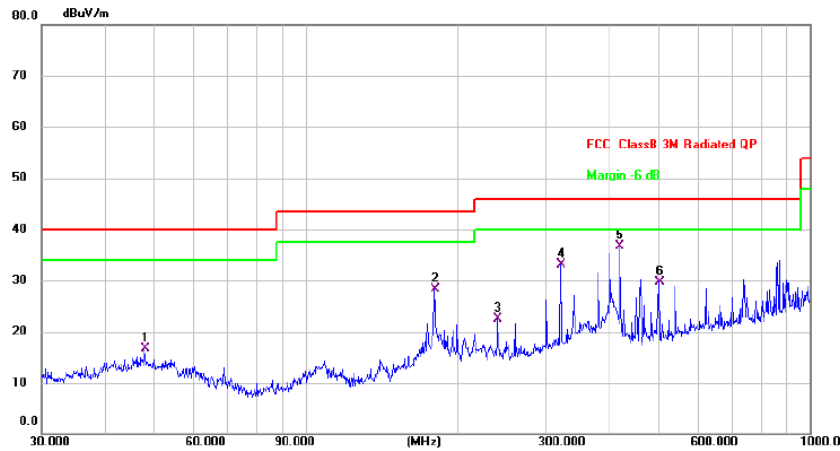
Mode2 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		54.8348	26.50	-12.46	14.04	40.00	-25.96	QP	
2		180.0165	45.47	-14.86	30.61	43.50	-12.89	QP	
3		191.7450	44.62	-14.25	30.37	43.50	-13.13	QP	
4		319.9370	39.71	-9.72	29.99	46.00	-16.01	QP	
5		381.2487	39.76	-8.66	31.10	46.00	-14.90	QP	
6	*	460.7271	43.68	-7.58	36.10	46.00	-9.90	QP	

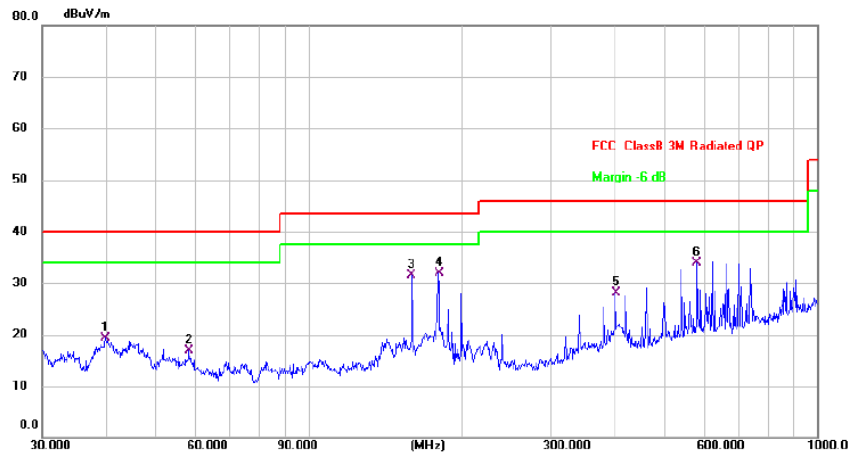
M260

Mode2 / Polarization: Horizontal / CH: H



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	47.9940	29.25	-12.49	16.76	40.00	-23.24	QP	
2	180.0165	43.08	-14.86	28.22	43.50	-15.28	QP	
3	239.9874	34.21	-11.76	22.45	46.00	-23.55	QP	
4	319.9370	42.86	-9.72	33.14	46.00	-12.86	QP	
5 *	420.5803	45.19	-8.49	36.70	46.00	-9.30	QP	
6	501.1790	36.43	-6.79	29.64	46.00	-16.36	QP	

Mode2 / Polarization: Vertical / CH: H



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	39.9942	32.87	-13.58	19.29	40.00	-20.71	QP	
2	58.2030	30.48	-13.53	16.95	40.00	-23.05	QP	
3	159.7844	46.59	-15.12	31.47	43.50	-12.03	QP	
4 *	180.0165	46.69	-14.86	31.83	43.50	-11.67	QP	
5	400.4319	37.12	-9.00	28.12	46.00	-17.88	QP	
6	580.7026	38.72	-4.83	33.89	46.00	-12.11	QP	

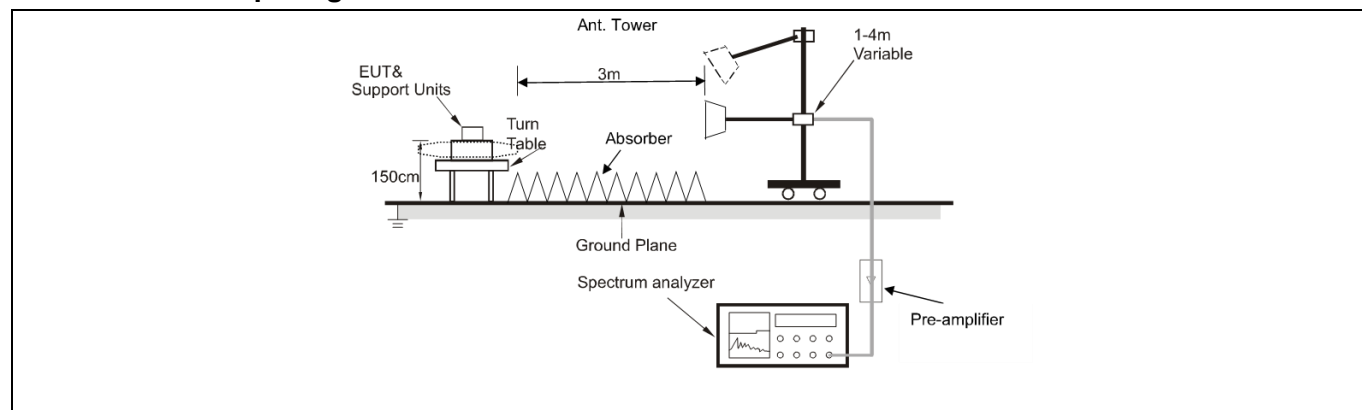
6.10 Radiated emissions (above 1GHz)

Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
	** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.		
Test Method:	ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02		
Procedure:	ANSI C63.10-2020 section 6.6.4		

6.10.1 E.U.T. Operation:

Operating Environment:						
Temperature:	24 °C		Humidity:	54 %	Atmospheric Pressure:	101 kPa
Pre test mode:		Mode1, Mode2				
Final test mode:		All of the listed pre-test mode were tested, only the data of the worst mode (Mode2) is recorded in the report				
Note: Test frequency are from 1GHz to 25GHz, the amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported. All modes of operation of the EUT were investigated, and only the worst-case results are reported.						

6.10.2 Test Setup Diagram:



6.10.3 Test Data:

Mode2 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	53.28	-7.70	45.58	74.00	-28.42	peak
2		4804.000	47.32	-7.70	39.62	54.00	-14.38	AVG
3		7206.000	46.53	0.84	47.37	74.00	-26.63	peak
4		7206.000	40.51	0.84	41.35	54.00	-12.65	AVG
5		9608.000	48.56	1.81	50.37	74.00	-23.63	peak
6	*	9608.000	42.44	1.81	44.25	54.00	-9.75	AVG

Mode2 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	49.42	-7.70	41.72	74.00	-32.28	peak
2		4804.000	43.32	-7.70	35.62	54.00	-18.38	AVG
3		7206.000	47.40	0.84	48.24	74.00	-25.76	peak
4		7206.000	41.73	0.84	42.57	54.00	-11.43	AVG
5		9608.000	50.90	1.81	52.71	74.00	-21.29	peak
6	*	9608.000	44.51	1.81	46.32	54.00	-7.68	AVG

Mode2 / Polarization: Horizontal / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4882.000	54.18	-7.84	46.34	74.00	-27.66	peak
2		4882.000	48.20	-7.84	40.36	54.00	-13.64	AVG
3		7323.000	47.90	0.61	48.51	74.00	-25.49	peak
4		7323.000	41.75	0.61	42.36	54.00	-11.64	AVG
5		9764.000	48.24	2.61	50.85	74.00	-23.15	peak
6	*	9764.000	41.95	2.61	44.56	54.00	-9.44	AVG

Mode2 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4882.000	51.39	-7.84	43.55	74.00	-30.45	peak
2		4882.000	45.40	-7.84	37.56	54.00	-16.44	AVG
3		7323.000	46.42	0.61	47.03	74.00	-26.97	peak
4		7323.000	40.51	0.61	41.12	54.00	-12.88	AVG
5		9764.000	49.49	2.61	52.10	74.00	-21.90	peak
6	*	9764.000	43.74	2.61	46.35	54.00	-7.65	AVG

Mode2 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	56.19	-7.73	48.46	74.00	-25.54	peak
2		4960.000	50.09	-7.73	42.36	54.00	-11.64	AVG
3		7440.000	47.47	0.78	48.25	74.00	-25.75	peak
4		7440.000	41.43	0.78	42.21	54.00	-11.79	AVG
5		9920.000	47.36	2.47	49.83	74.00	-24.17	peak
6	*	9920.000	41.21	2.47	43.68	54.00	-10.32	AVG

Mode2 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	52.91	-7.73	45.18	74.00	-28.82	peak
2		4960.000	46.94	-7.73	39.21	54.00	-14.79	AVG
3		7440.000	46.65	0.78	47.43	74.00	-26.57	peak
4		7440.000	40.87	0.78	41.65	54.00	-12.35	AVG
5		9920.000	50.14	2.47	52.61	74.00	-21.39	peak
6	*	9920.000	44.15	2.47	46.62	54.00	-7.38	AVG

Photographs of the test setup

Refer to Appendix - Test Setup Photos

Photographs of the EUT

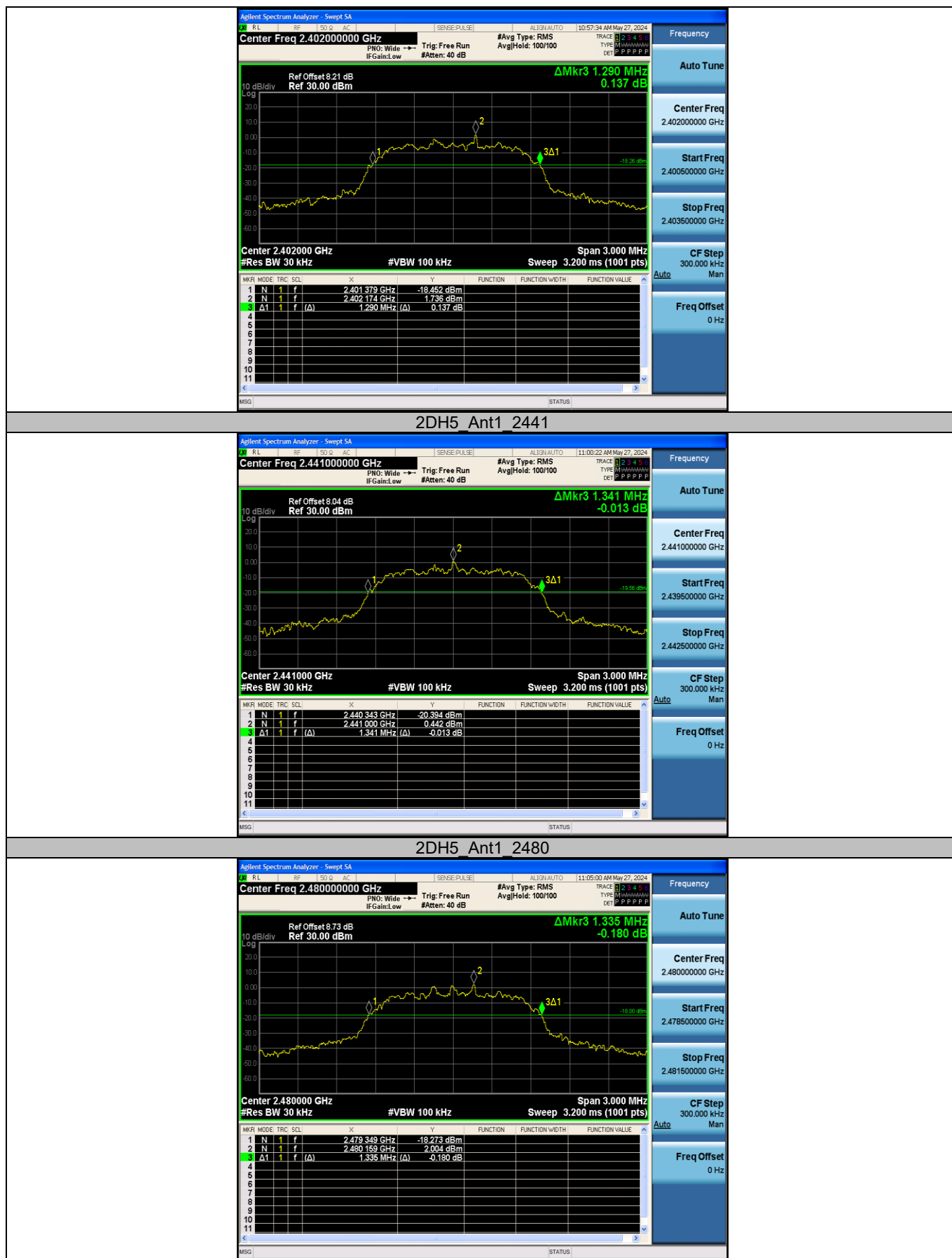
Refer to Appendix - EUT Photos

Appendix

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]
DH5	Ant1	2402	0.957
		2441	1.017
		2480	1.038
2DH5	Ant1	2402	1.290
		2441	1.341
		2480	1.335

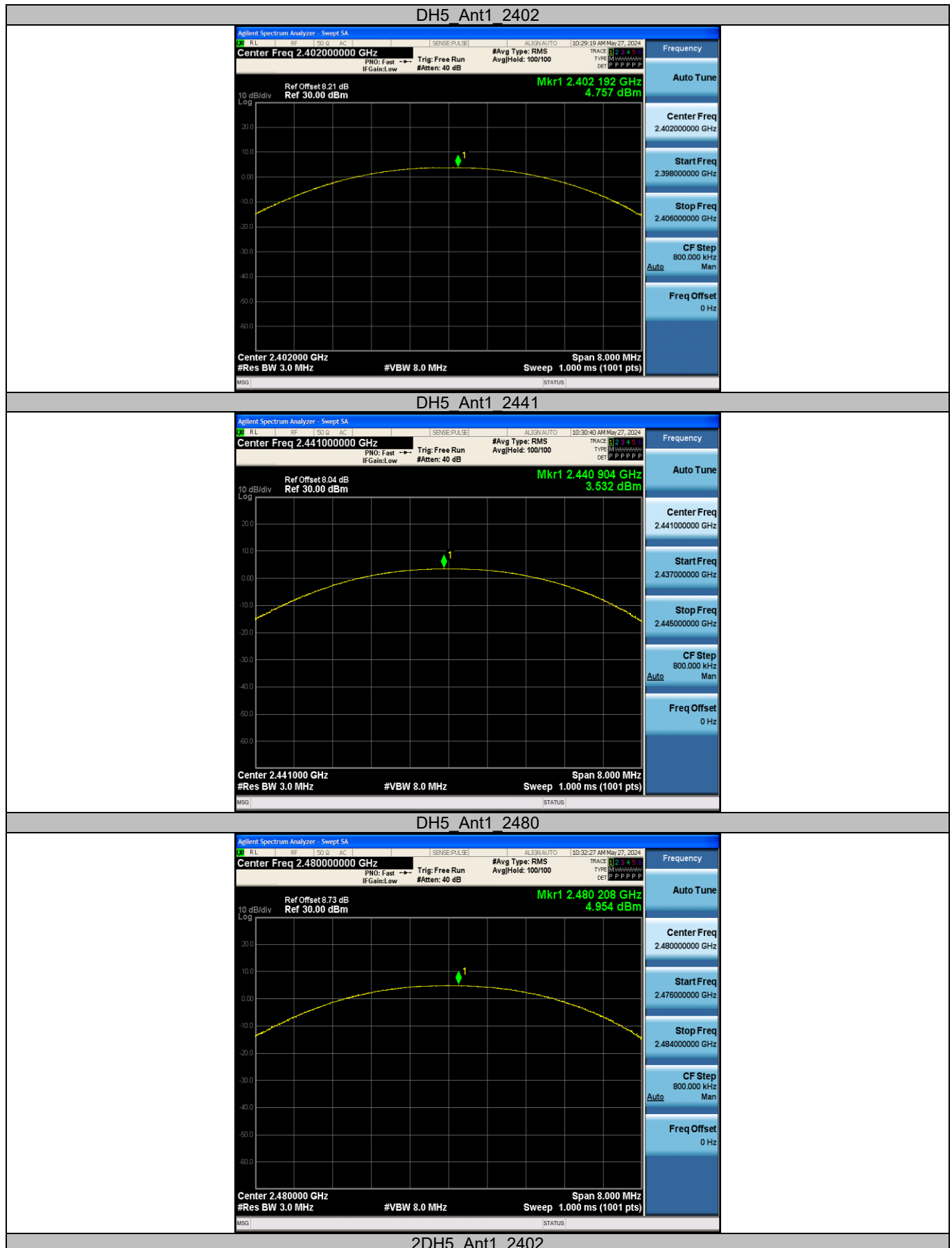


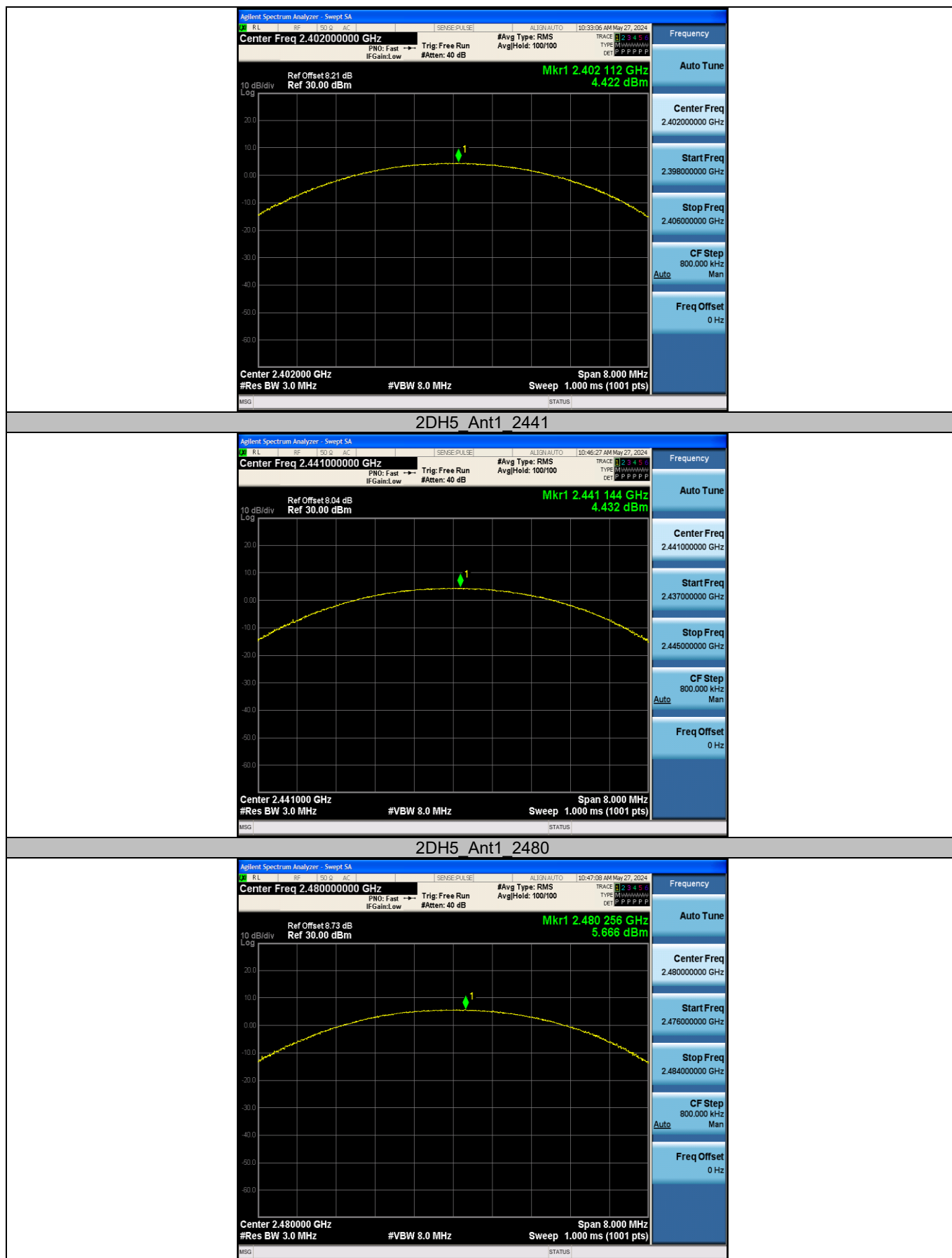
Appendix B: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	4.76	≤20.97	PASS
		2441	3.53	≤20.97	PASS
		2480	4.95	≤20.97	PASS
2DH5	Ant1	2402	4.42	≤20.97	PASS
		2441	4.43	≤20.97	PASS
		2480	5.67	≤20.97	PASS

Test Graphs





Appendix C: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.692	PASS
2DH5	Ant1	Hop	1	≥ 0.894	PASS

Test Graphs



Appendix D: Time of occupancy

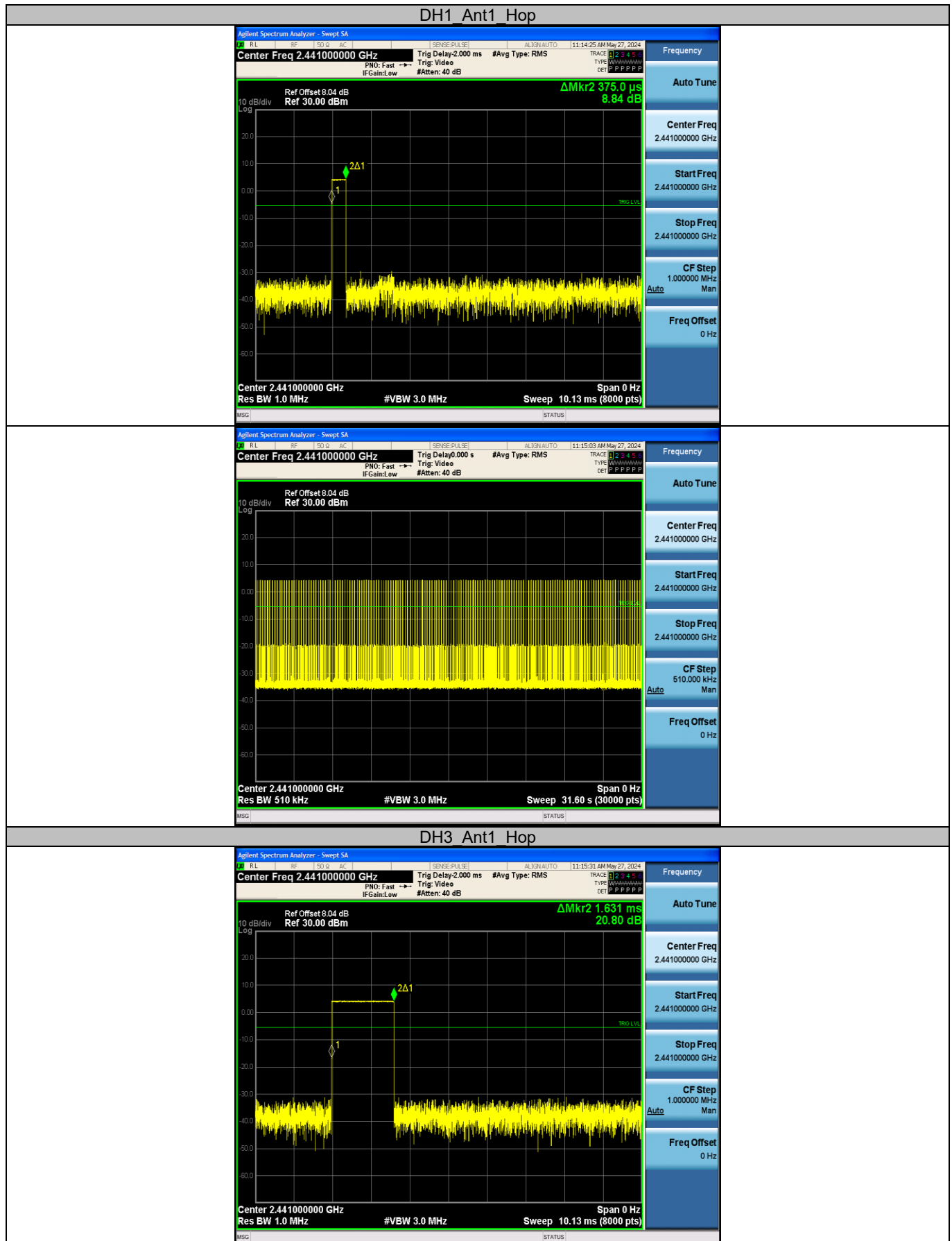
Test Result

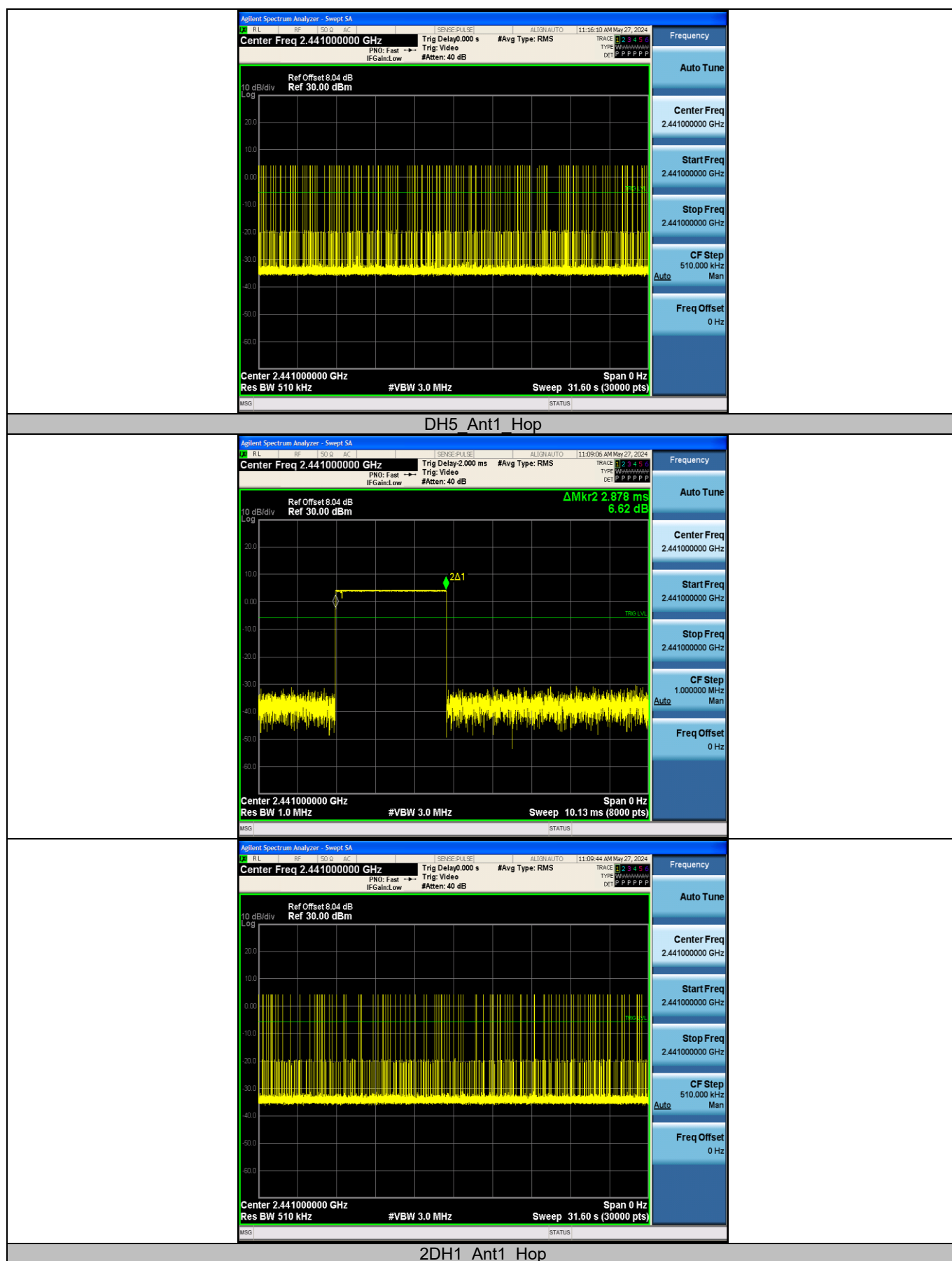
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Hops in 31.6s [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.375	319	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.631	154	0.251	≤0.4	PASS
DH5	Ant1	Hop	2.878	105	0.302	≤0.4	PASS
2DH1	Ant1	Hop	0.384	318	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.637	159	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.884	107	0.309	≤0.4	PASS

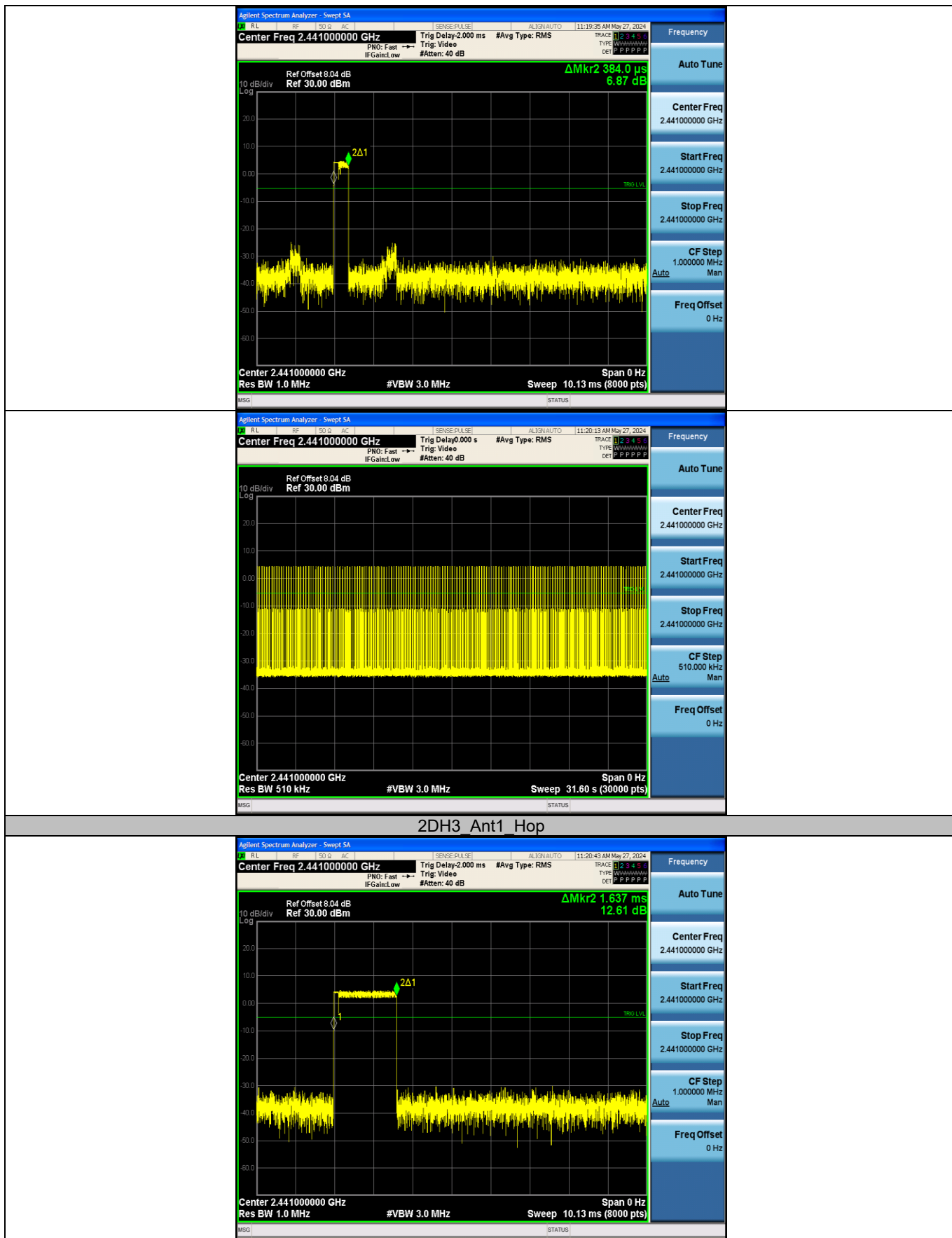
Notes:

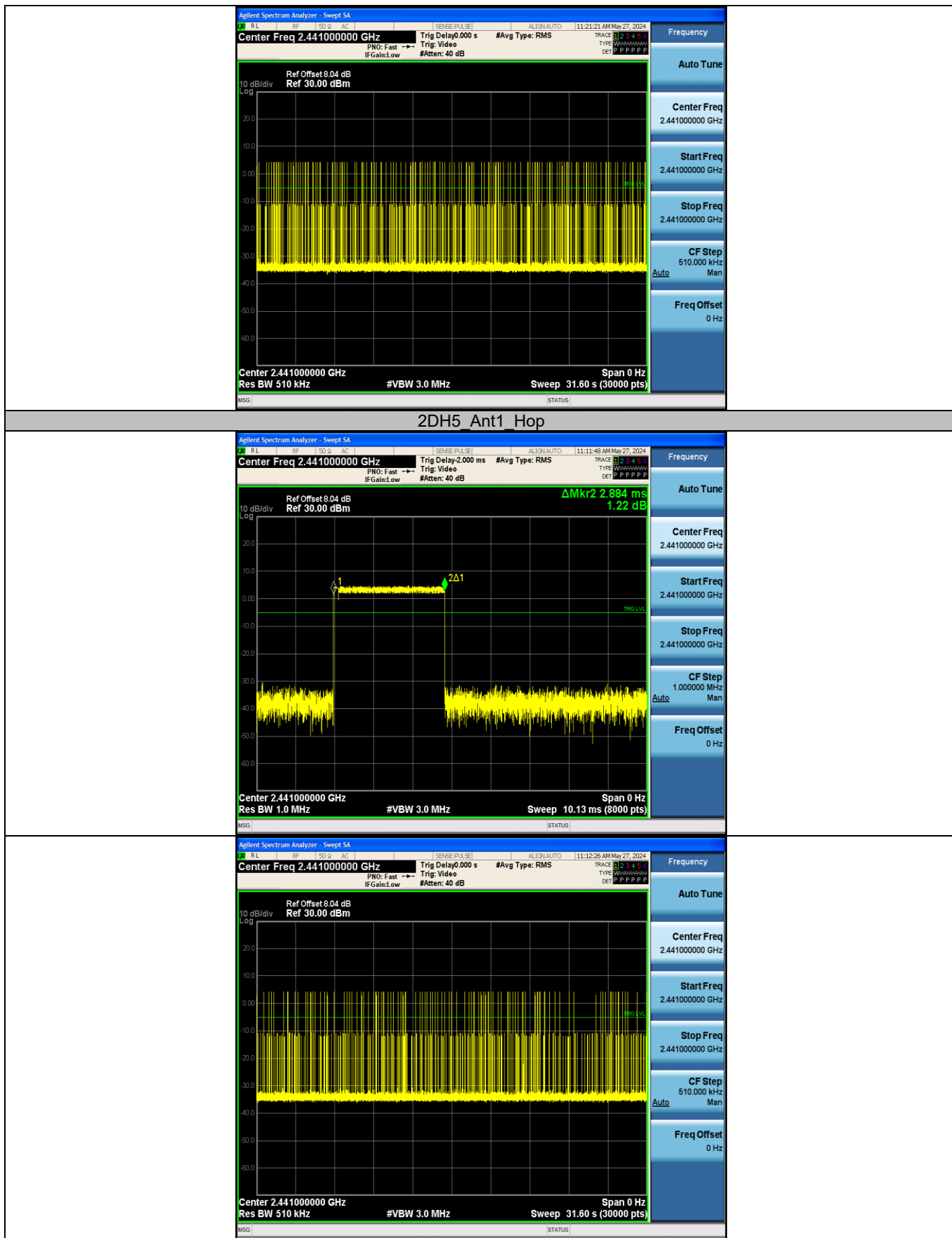
1. Period time = $0.4s * 79 = 31.6s$
2. Result (Time of occupancy) = Burst Width[ms] * Hops in 31.6s [Num]

Test Graphs









Appendix E: Number of hopping channels

Test Result

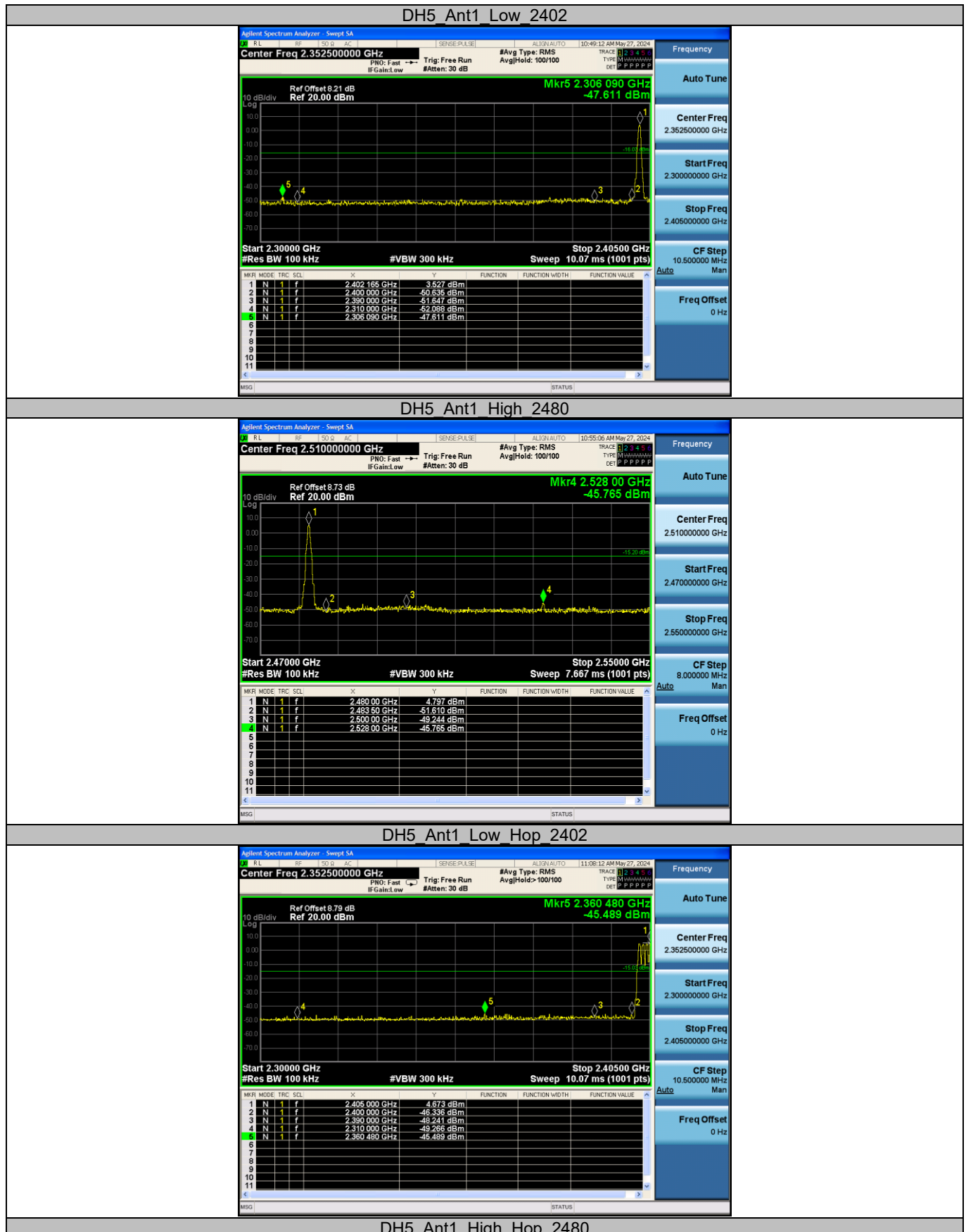
Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

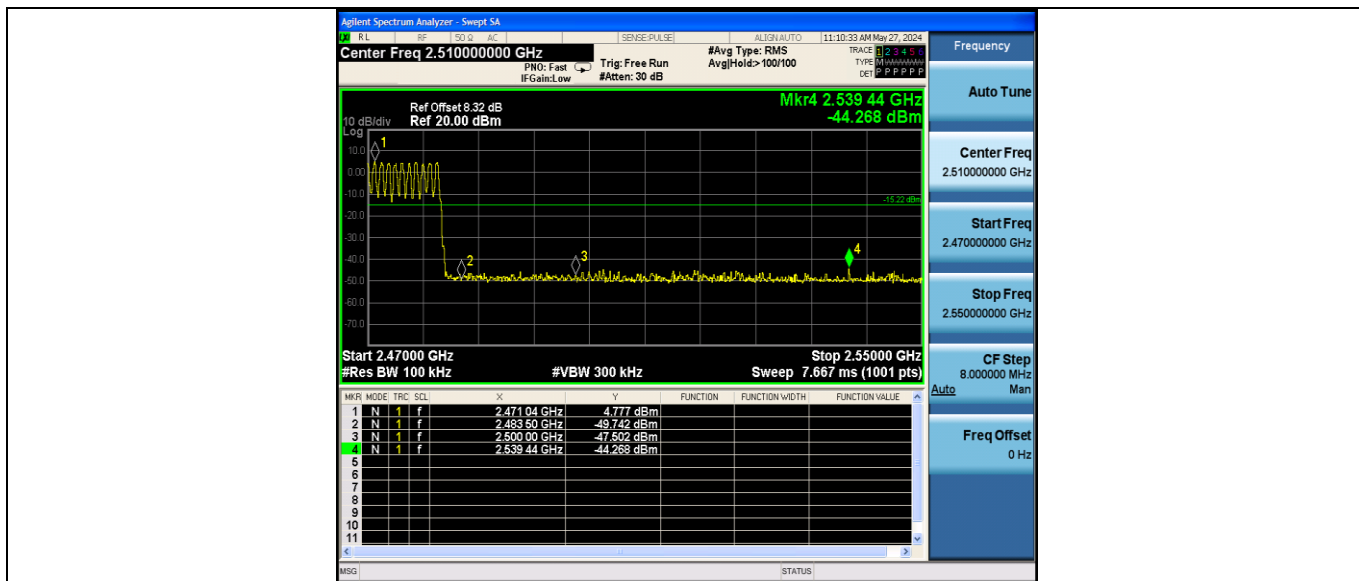
Test Graphs



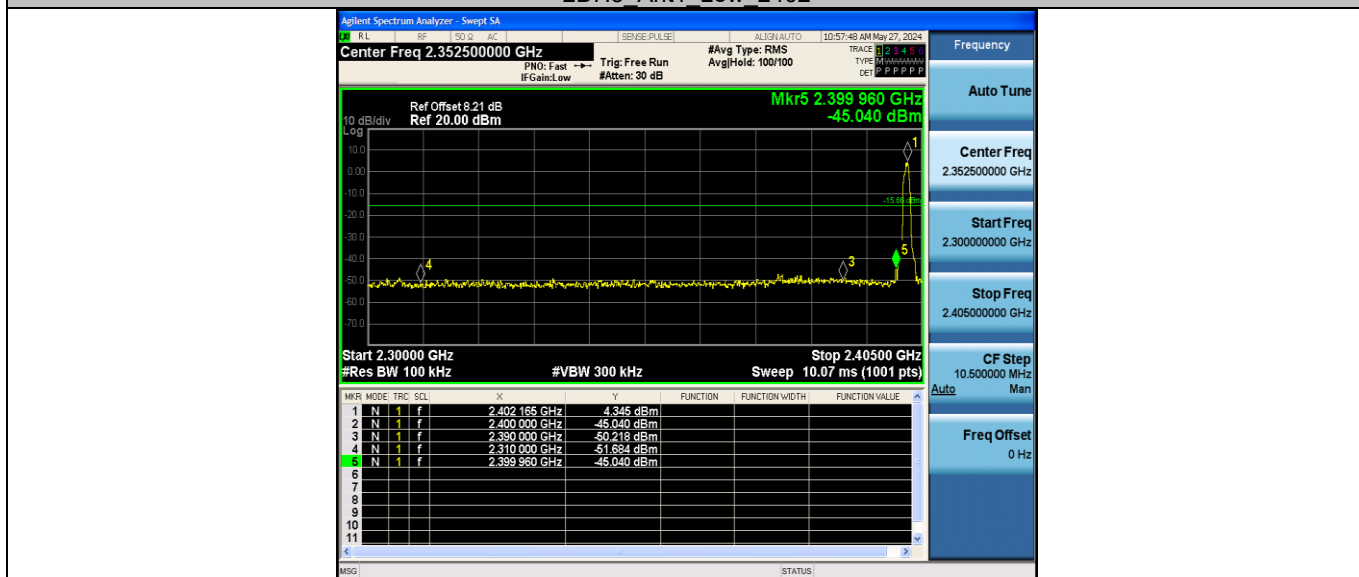
Appendix F: Band edge measurements

Test Graphs

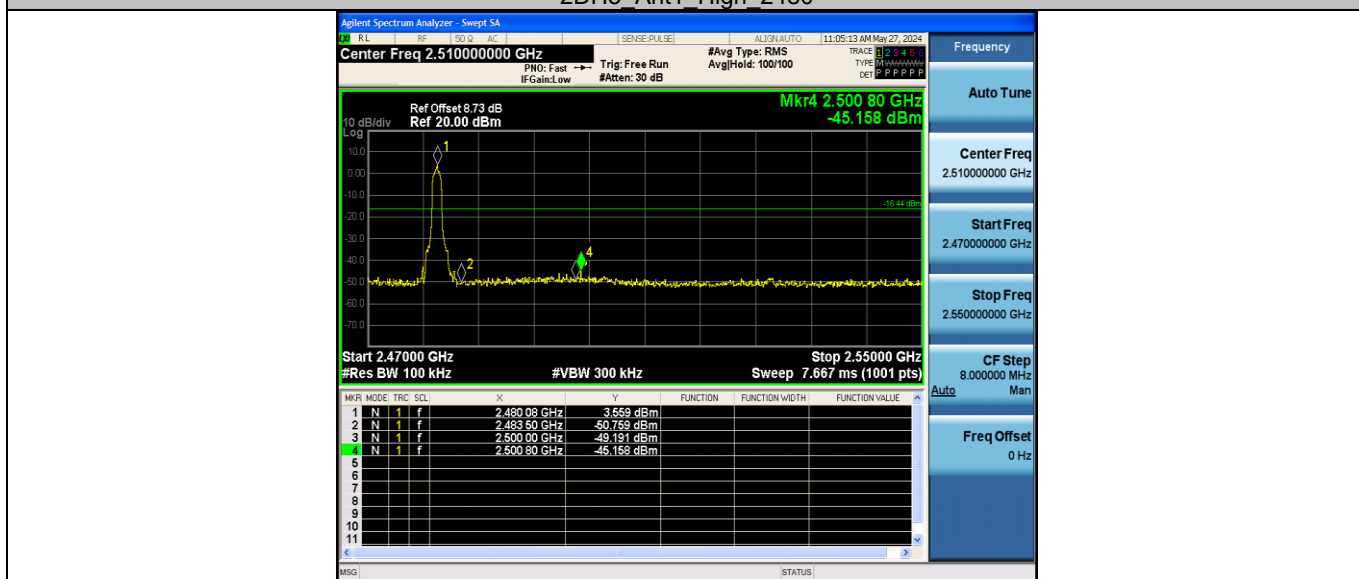




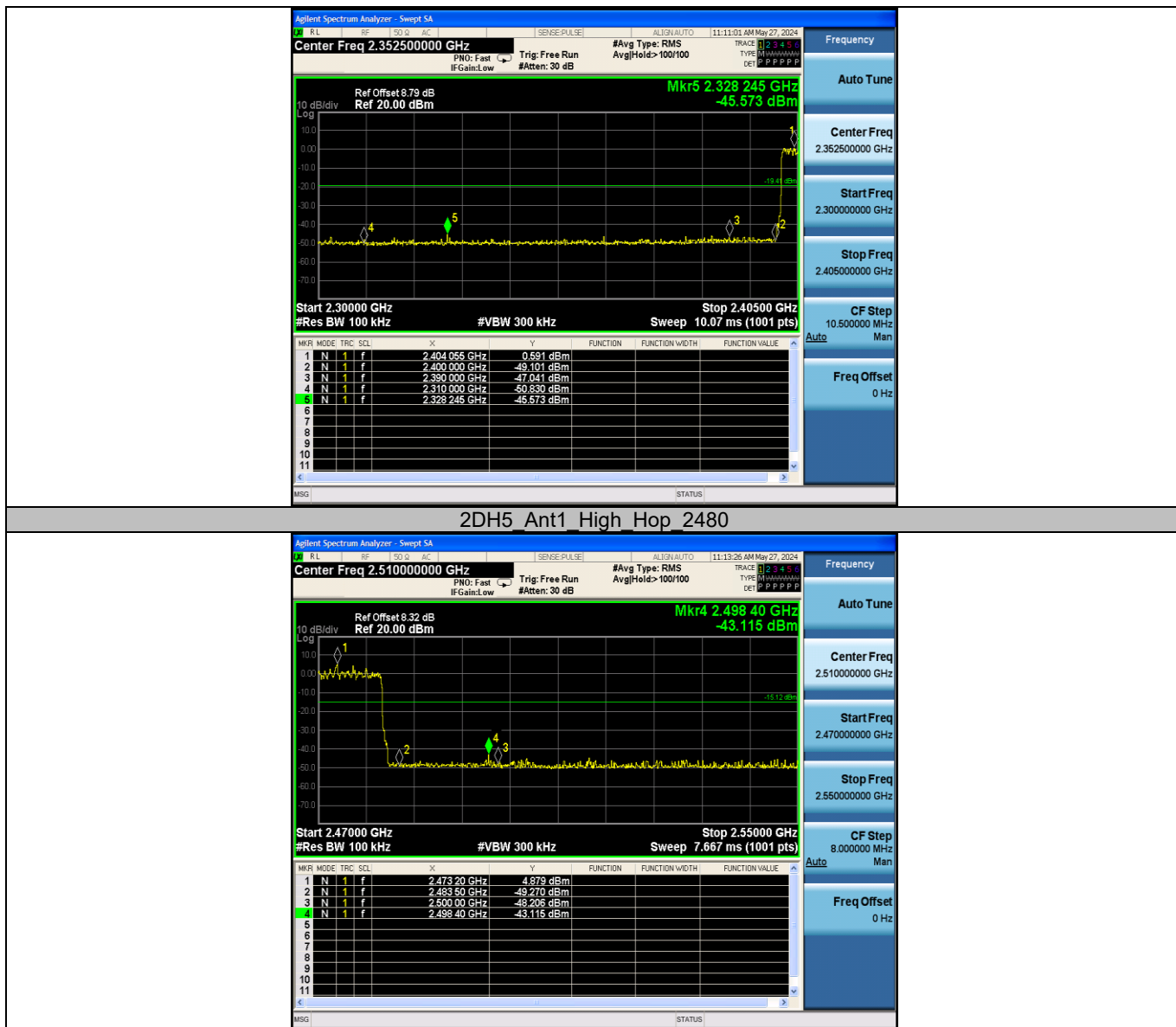
2DH5 Ant1 Low 2402



2DH5 Ant1 High 2480

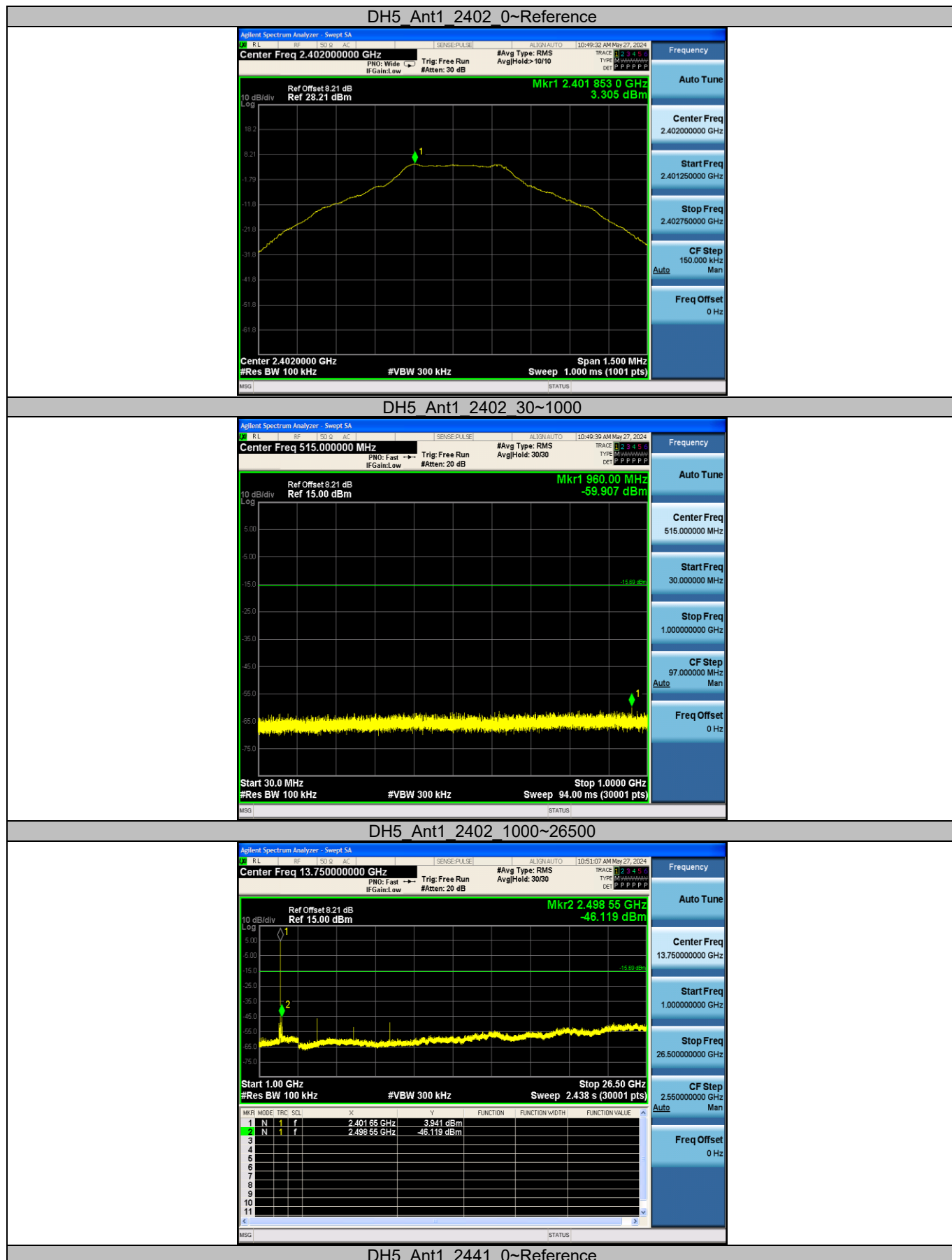


2DH5 Ant1 Low Hop 2402

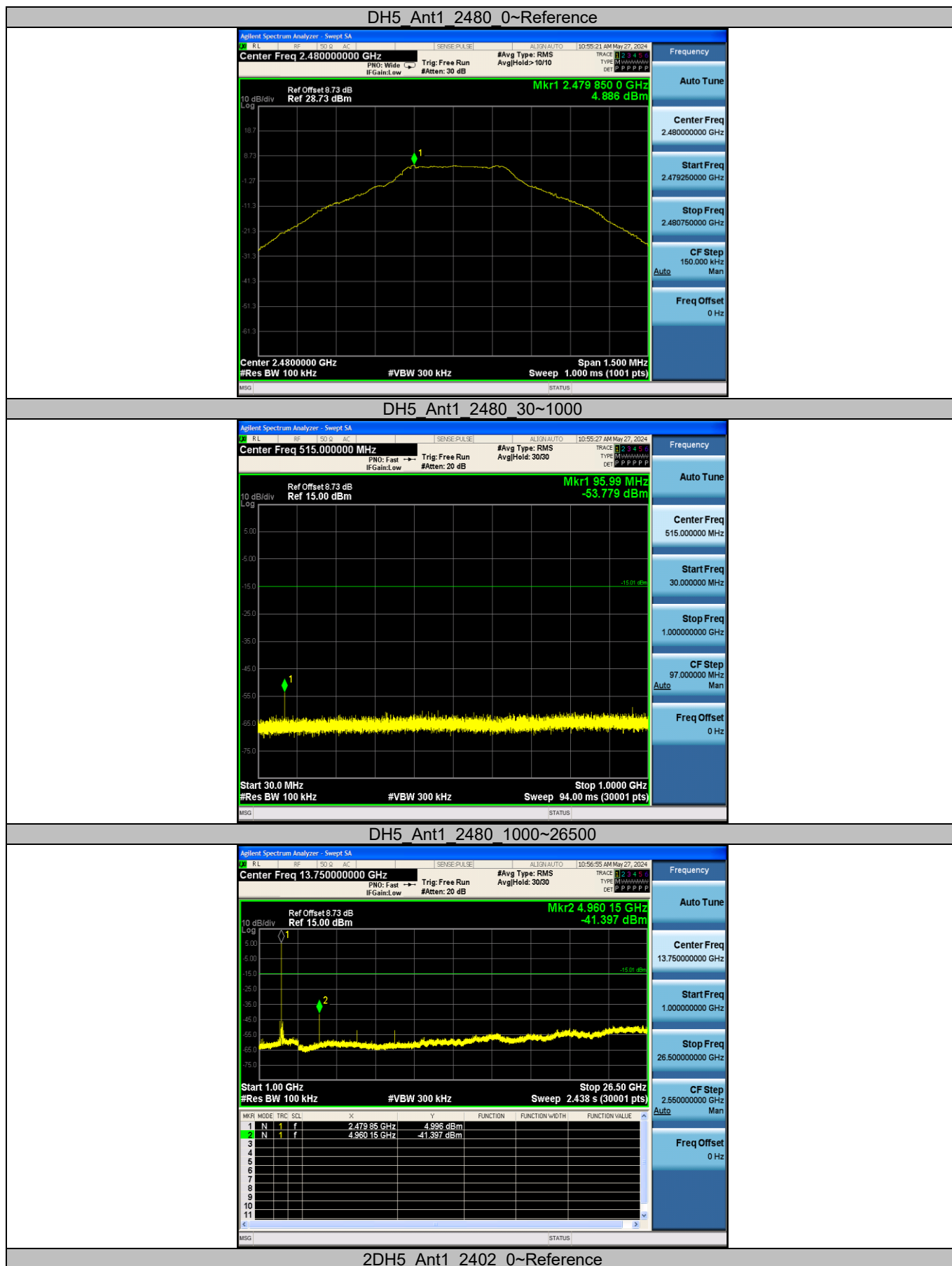


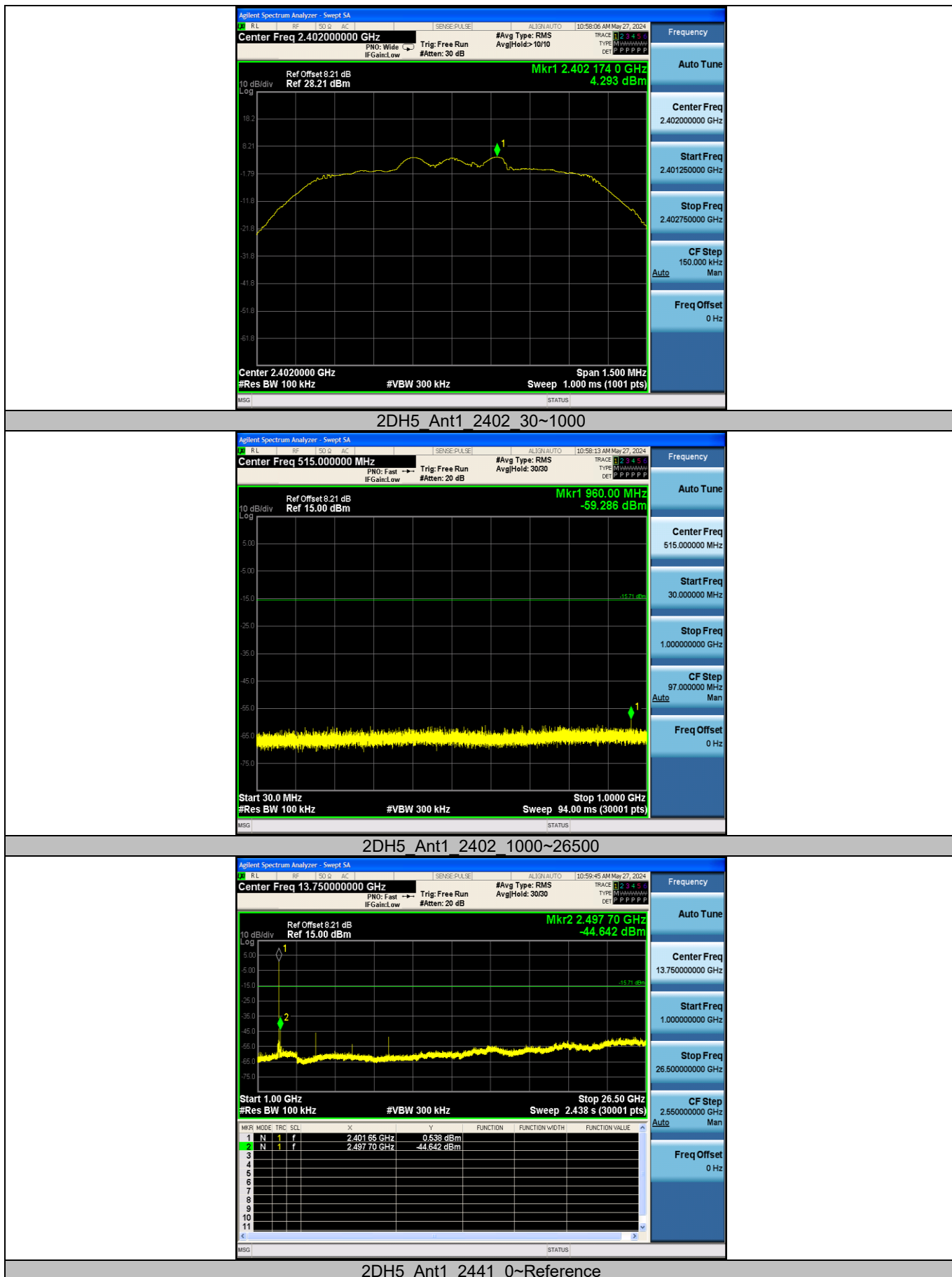
Appendix G: Conducted Spurious Emission

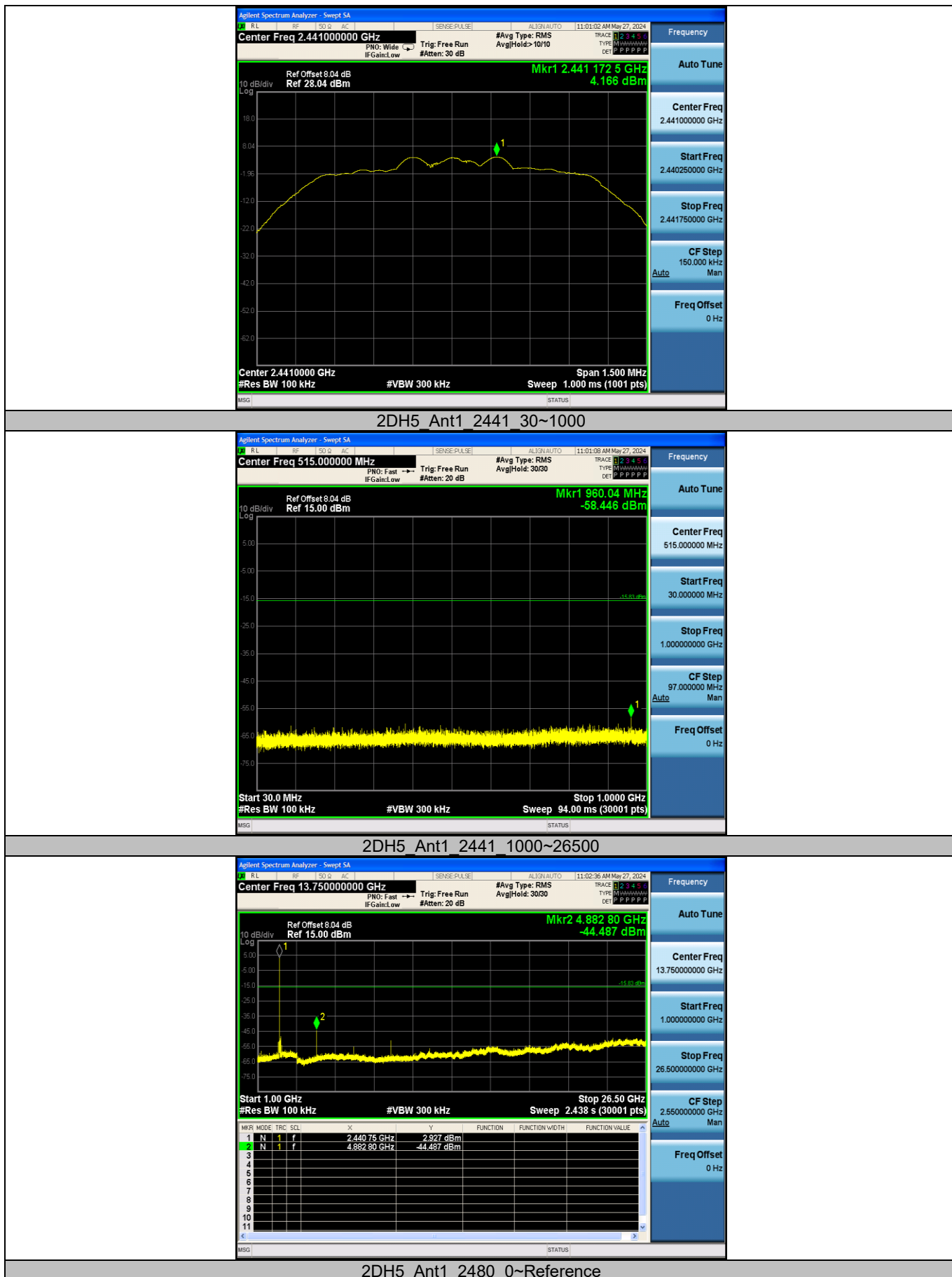
Test Graphs

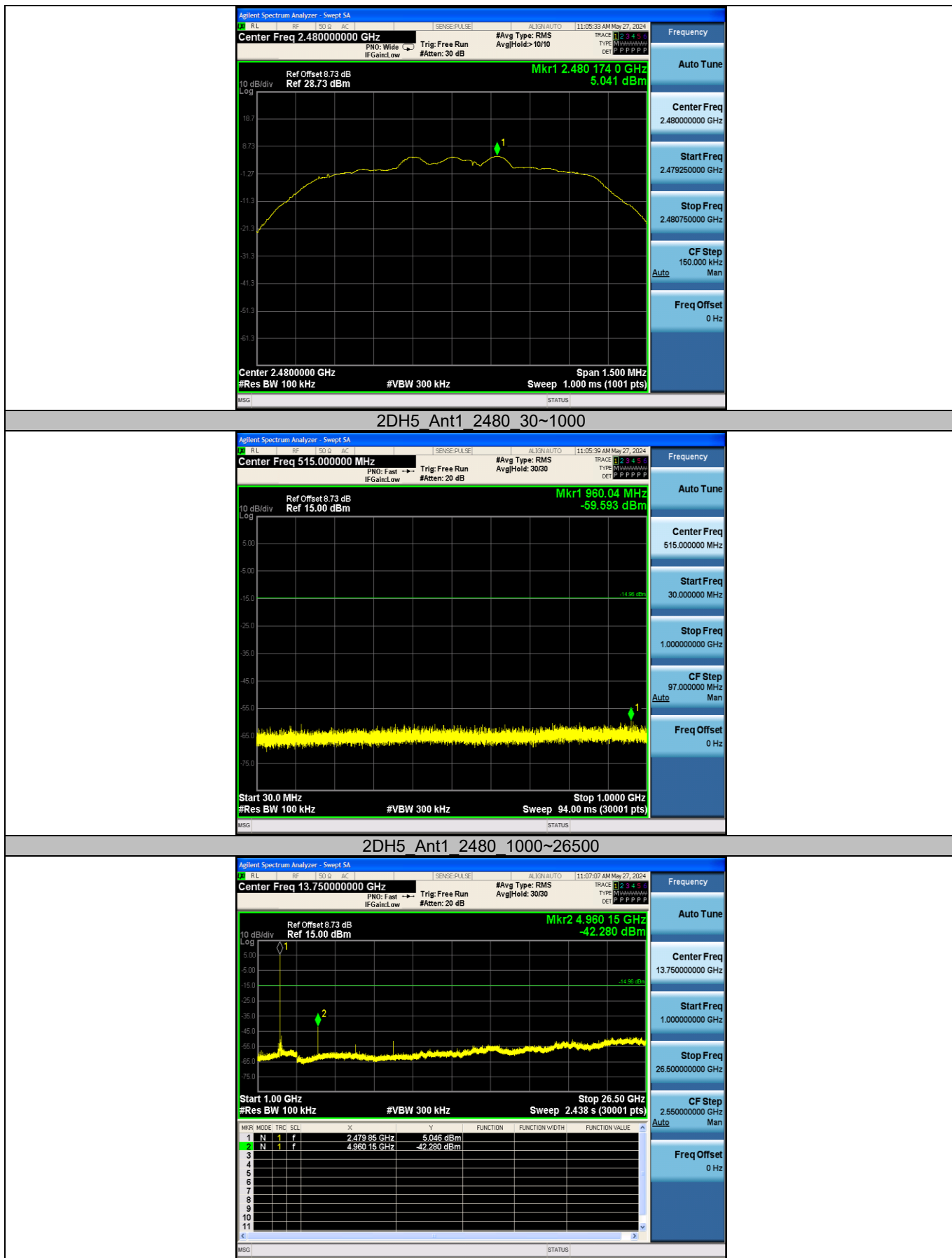












----End of Report----