

Case No. : <u>GTS20260409008-1-03</u>	
Ambient Condition: <u>25</u> °C, <u>56</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2026.4.22-2026.5.20</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	27.360	5166.120	5193.480	---	---
		5200	23.800	5188.120	5211.920	---	---
		5240	23.760	5227.680	5251.440	---	---
11N20SISO	Ant1	5180	24.800	5167.760	5192.560	---	---
		5200	24.200	5188.040	5212.240	---	---
		5240	24.000	5227.640	5251.640	---	---
11N40SISO	Ant1	5190	45.040	5167.440	5212.480	---	---
		5230	43.360	5207.520	5250.880	---	---

Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200





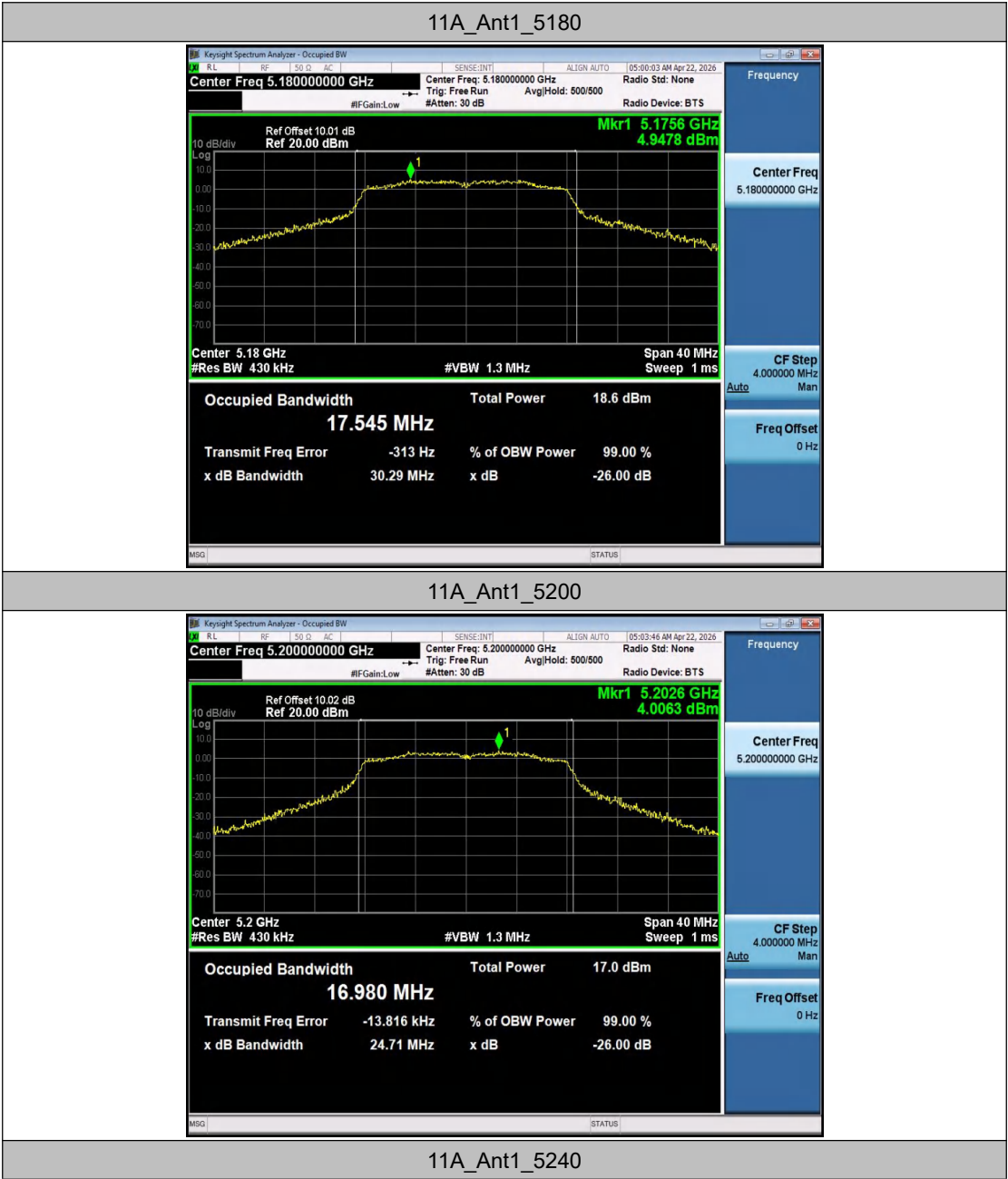


Appendix C.2: Occupied channel bandwidth

Test Result

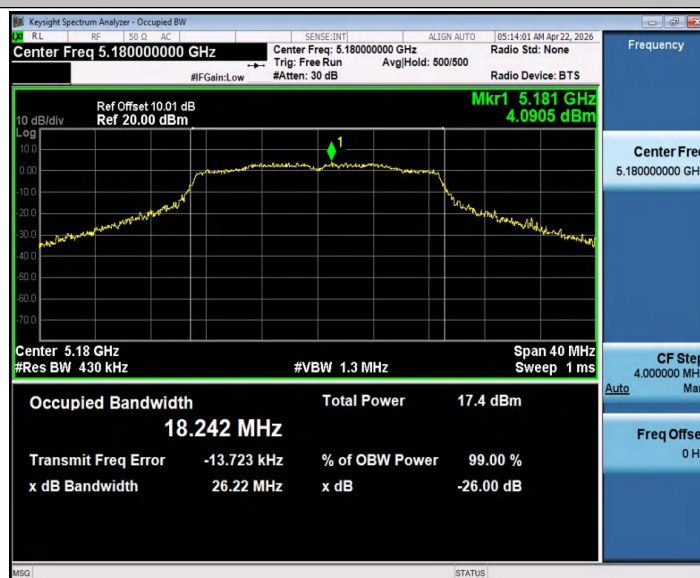
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.545	5171.2272	5188.7722	---	---
		5200	16.980	5191.4962	5208.4762	---	---
		5240	17.030	5231.4275	5248.4575	---	---
11N20SISO	Ant1	5180	18.242	5170.8653	5189.1073	---	---
		5200	18.185	5190.8905	5209.0755	---	---
		5240	18.094	5230.8893	5248.9833	---	---
11N40SISO	Ant1	5190	36.314	5171.8965	5208.2105	---	---
		5230	36.348	5211.7631	5248.1111	---	---

Test Graphs





11N20SISO_Ant1_5180



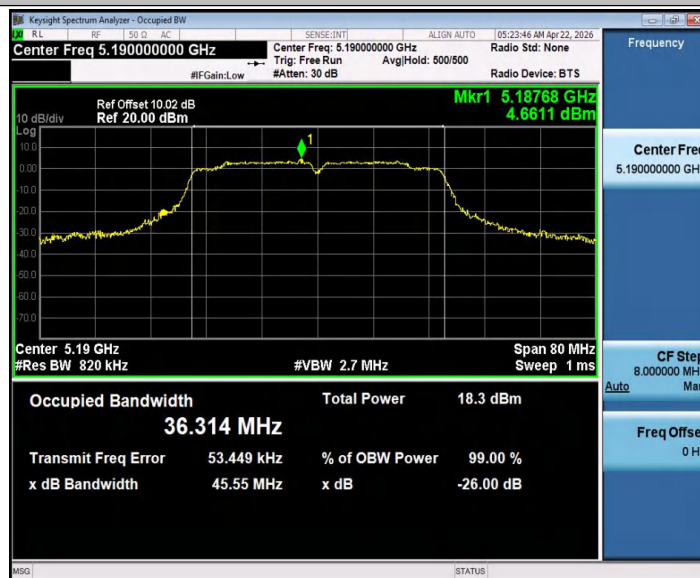
11N20SISO_Ant1_5200



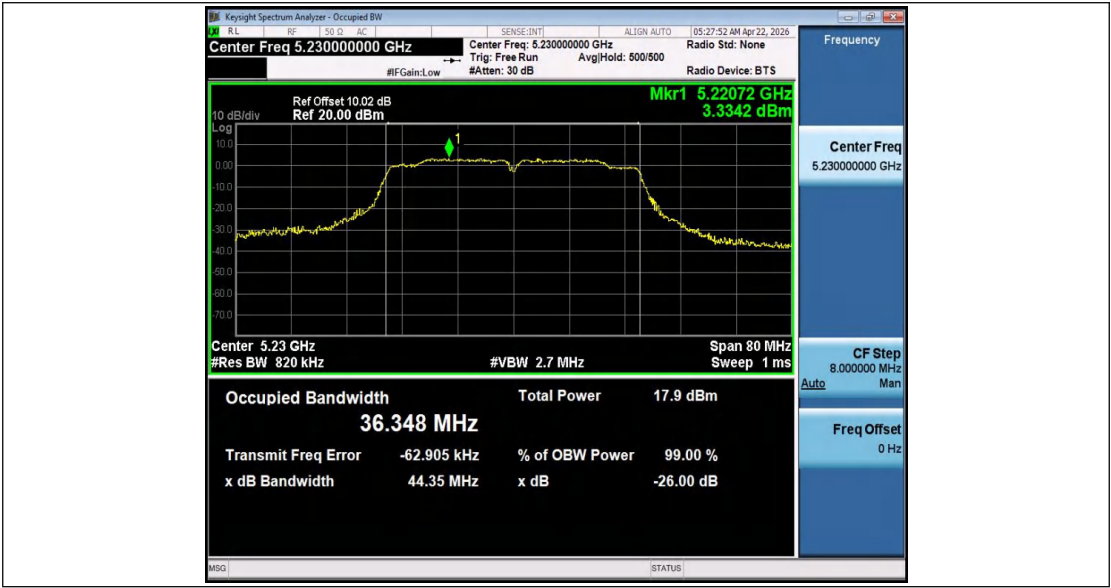
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

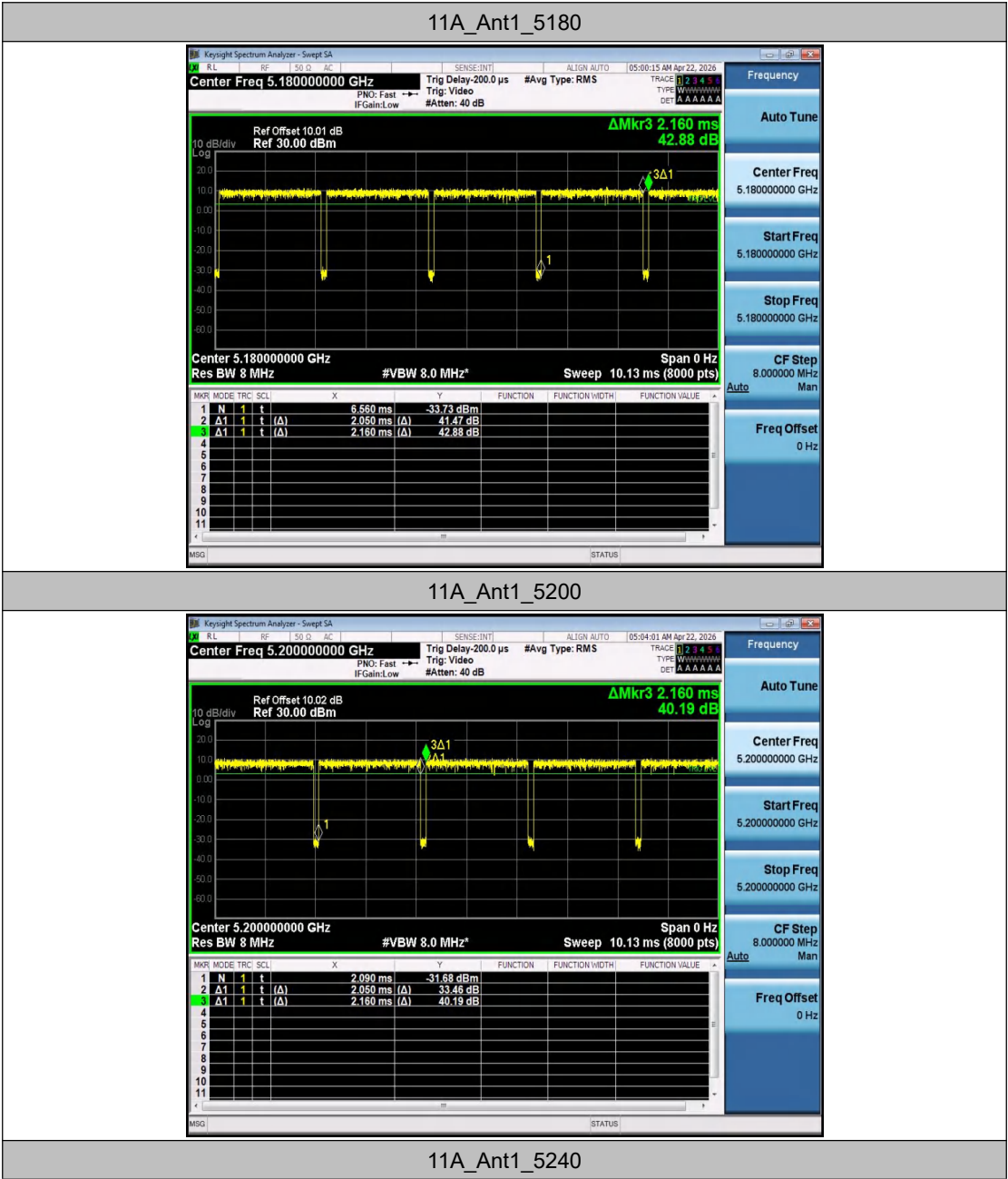


Appendix C.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.05	2.16	94.91	0.23	0.49
		5200	2.05	2.16	94.91	0.23	0.49
		5240	2.05	2.16	94.91	0.23	0.49
11N20SISO	Ant1	5180	1.91	1.99	95.98	0.18	0.52
		5200	1.90	1.99	95.48	0.20	0.53
		5240	1.91	1.99	95.98	0.18	0.52
11N40SISO	Ant1	5190	0.93	1.10	84.55	0.73	1.08
		5230	0.94	1.11	84.68	0.72	1.06

Test Graphs



11A_Ant1_5200

Keysight Spectrum Analyzer - Swept SA

Center Freq 5.200000000 GHz

Trig Delay-200.0 μ s

#Avg Type: RMS

Ref Offset 10.02 dB

Ref 30.00 dBm

Δ Mkr3 2.160 ms

40.19 dB

3 Δ 1

Center 5.200000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz*

Sweep 10.13 ms (8000 pts)

Span 0 Hz

Auto

Frequency

Auto Tune

Center Freq 5.200000000 GHz

Start Freq 5.200000000 GHz

Stop Freq 5.200000000 GHz

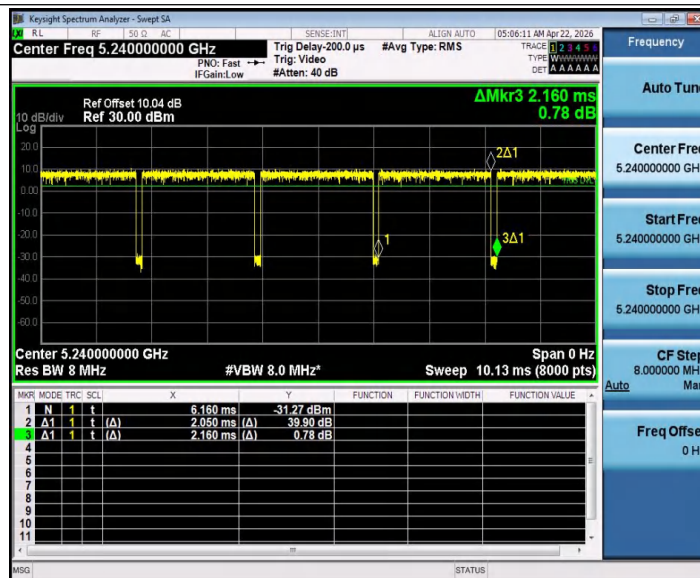
CF Step 8.0000000 MHz

Man

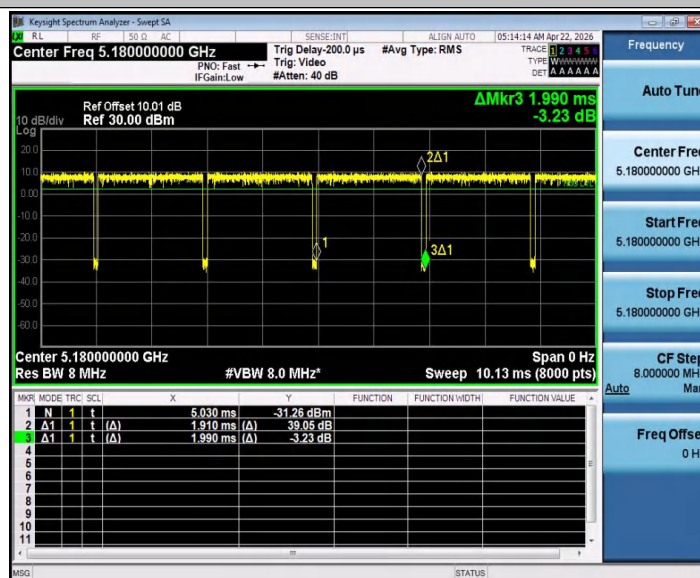
Freq Offset 0 Hz

Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value
1	N	1	t	2.090 ms	-31.68 dBm			
2	Δ 1	1	t	2.050 ms (Δ)	33.46 dB			
3	Δ 1	1	t	2.160 ms (Δ)	40.19 dB			

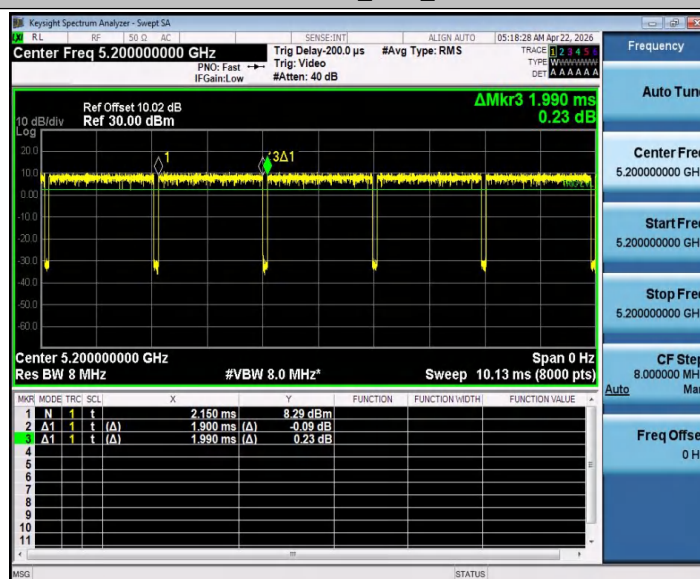
11A_Ant1_5240

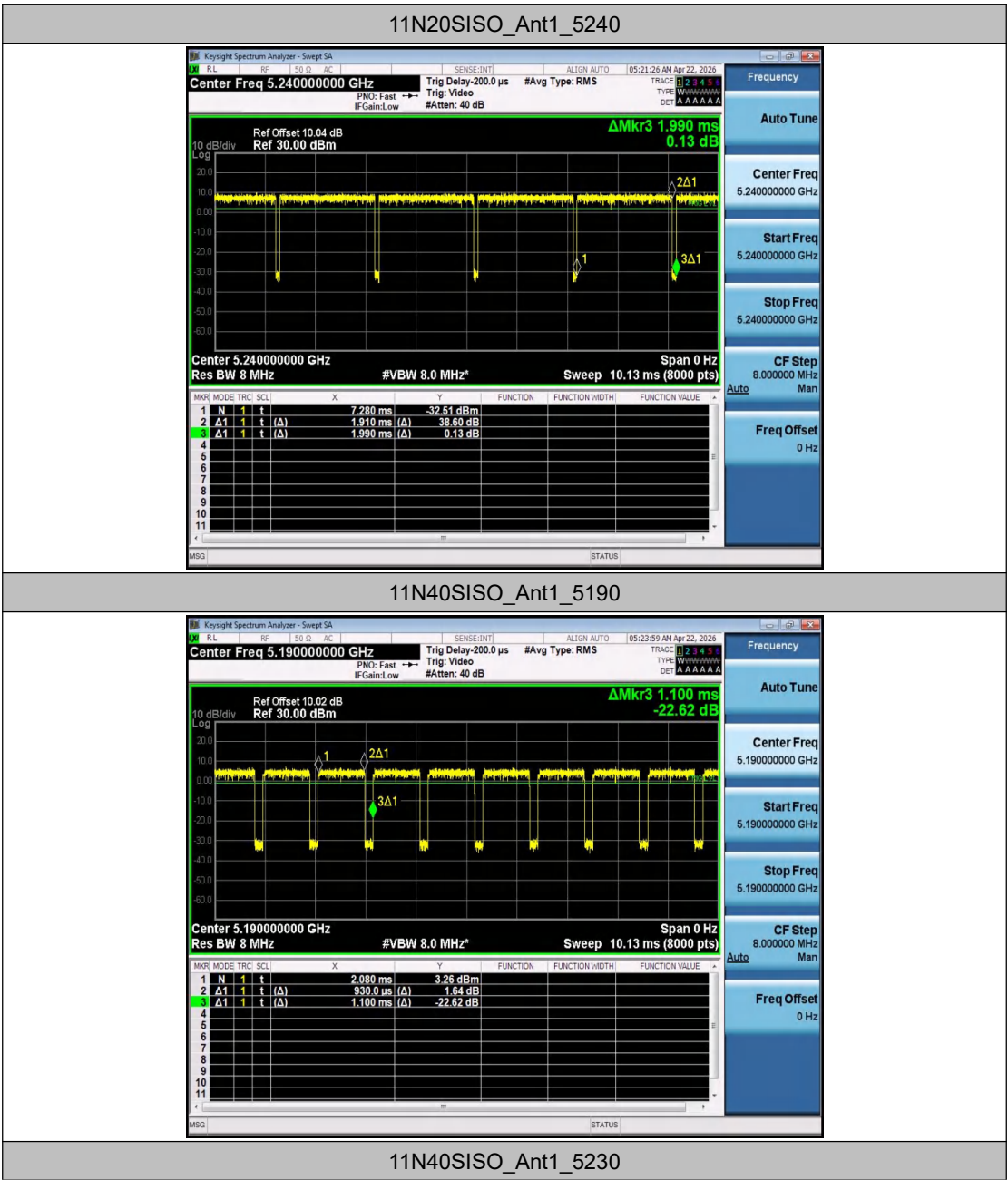


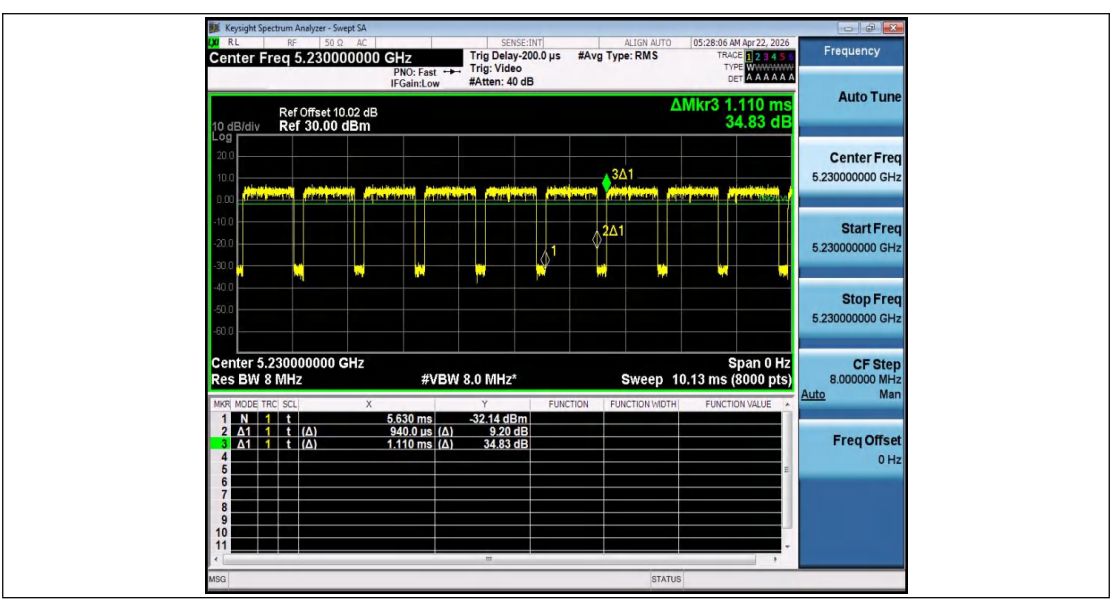
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200







Appendix C.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.54	94.91	0.23	11.77	≤23.98	PASS
		5200	10.54	94.91	0.23	10.77	≤23.98	PASS
		5240	10.06	94.91	0.23	10.29	≤23.98	PASS
11N20SISO	Ant1	5180	10.42	95.98	0.18	10.60	≤23.98	PASS
		5200	10.60	95.48	0.20	10.80	≤23.98	PASS
		5240	9.99	95.98	0.18	10.17	≤23.98	PASS
11N40SISO	Ant1	5190	10.04	84.55	0.73	10.77	≤23.98	PASS
		5230	9.81	84.68	0.72	10.53	≤23.98	PASS

Note:

1. The Duty Cycle Factor is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the data.

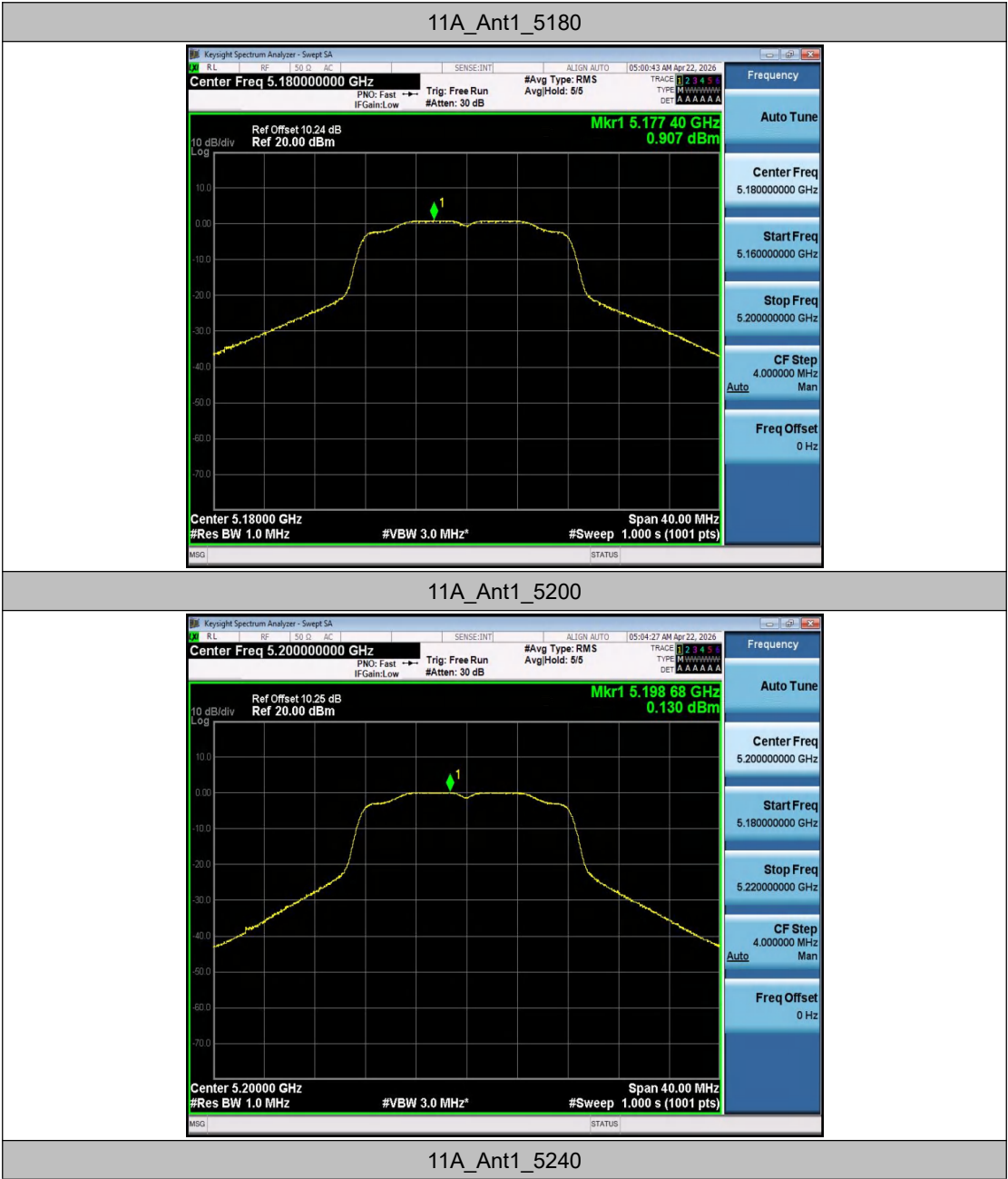
Appendix C.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.91	≤11.00	PASS
		5200	0.13	≤11.00	PASS
		5240	-0.40	≤11.00	PASS
11N20SISO	Ant1	5180	-0.45	≤11.00	PASS
		5200	0.09	≤11.00	PASS
		5240	-0.84	≤11.00	PASS
11N40SISO	Ant1	5190	-3.38	≤11.00	PASS
		5230	-3.37	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

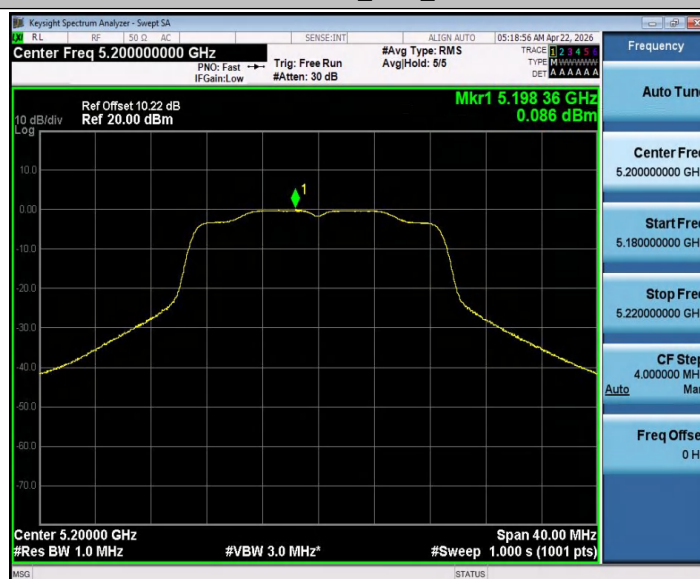




11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



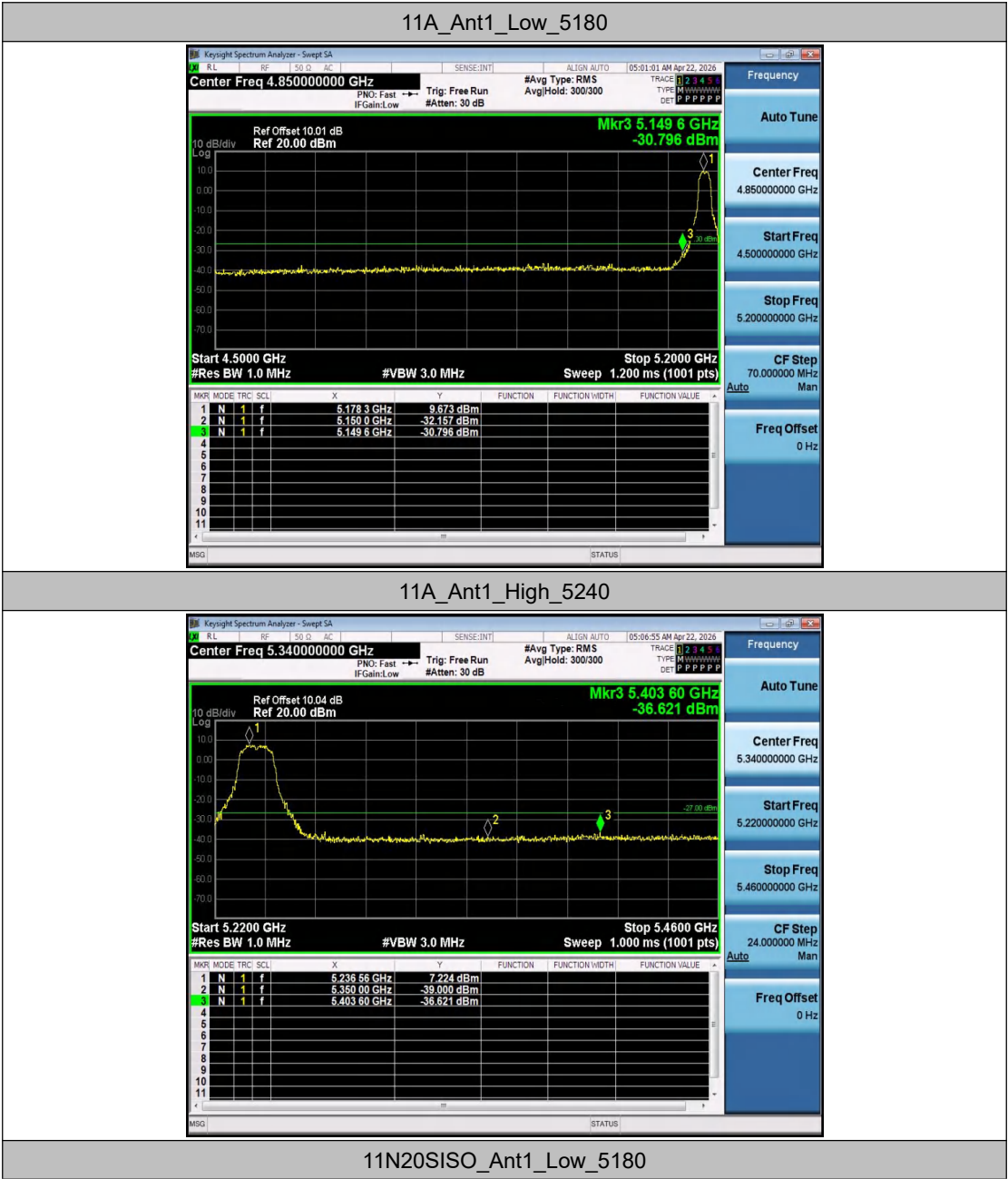
11N40SISO_Ant1_5230

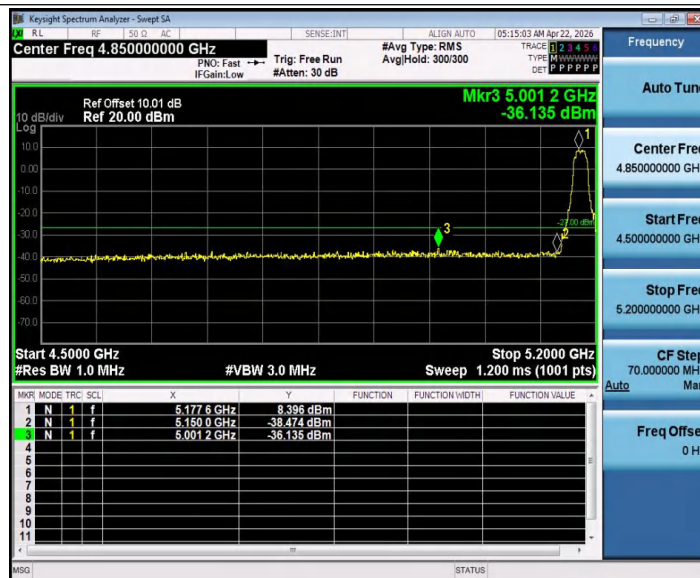


Appendix C.6: Band edge measurements

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-30.8	≤ -27	PASS
		High	5240	-36.62	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-36.14	≤ -27	PASS
		High	5240	-36.5	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-31.5	≤ -27	PASS
		High	5230	-37.1	≤ -27	PASS

Test Graphs

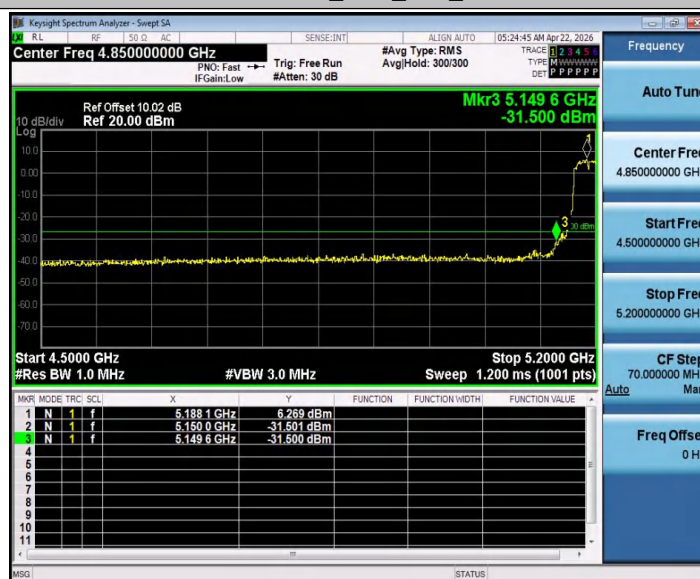


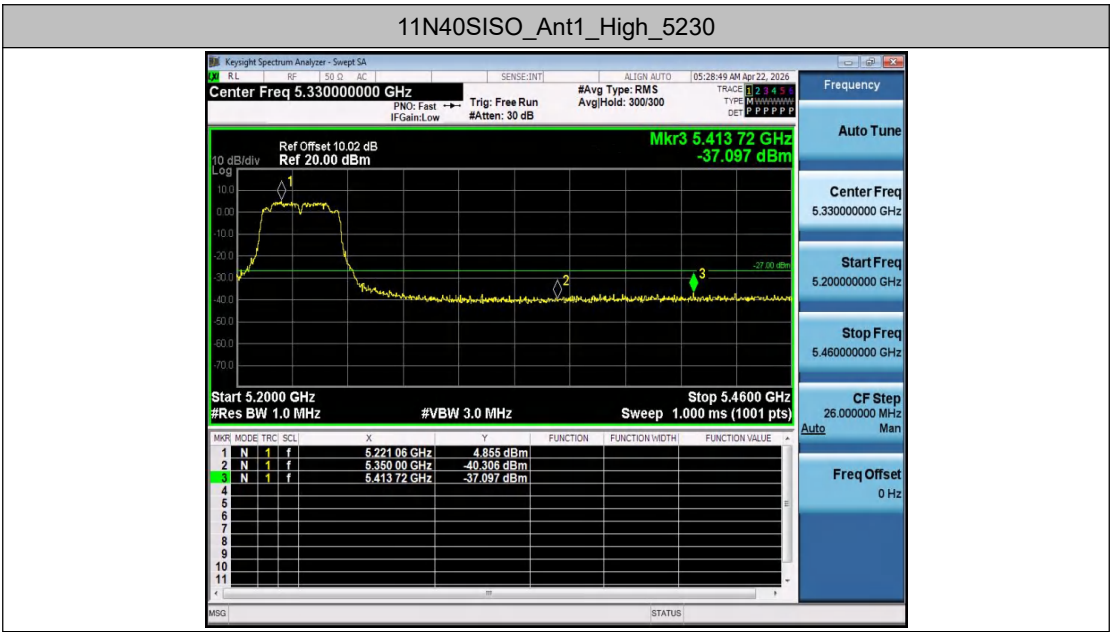


11N20SISO_Ant1_High_5240



11N40SISO_Ant1_Low_5190



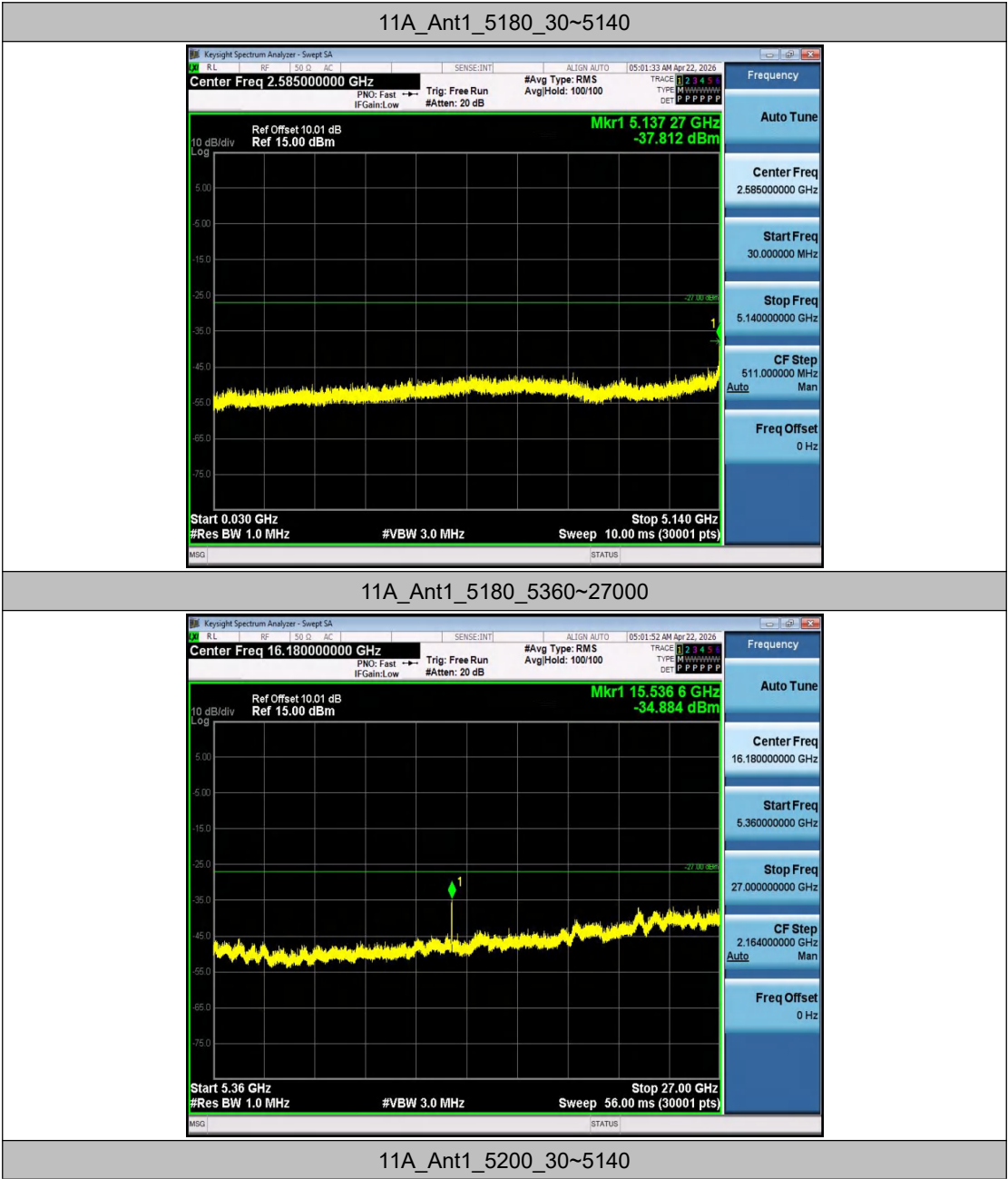


Appendix C.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5137.27	-37.81	≤-27	PASS
			5360~27000	15536.57	-34.88	≤-27	PASS
		5200	30~5140	5135.06	-45.1	≤-27	PASS
			5360~27000	25128.86	-37.03	≤-27	PASS
		5240	30~5140	5083.79	-42.59	≤-27	PASS
			5360~27000	24809.31	-36.48	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5131.31	-43.37	≤-27	PASS
			5360~27000	26006	-35.85	≤-27	PASS
		5200	30~5140	5136.59	-44.02	≤-27	PASS
			5360~27000	26805.96	-36.97	≤-27	PASS
		5240	30~5140	5076.3	-43.65	≤-27	PASS
			5360~27000	26803.8	-37.59	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5131.48	-38.66	≤-27	PASS
			5360~27000	26878.82	-37.08	≤-27	PASS
		5230	30~5140	5137.45	-45.22	≤-27	PASS
			5360~27000	26030.53	-37.48	≤-27	PASS

Test Graphs

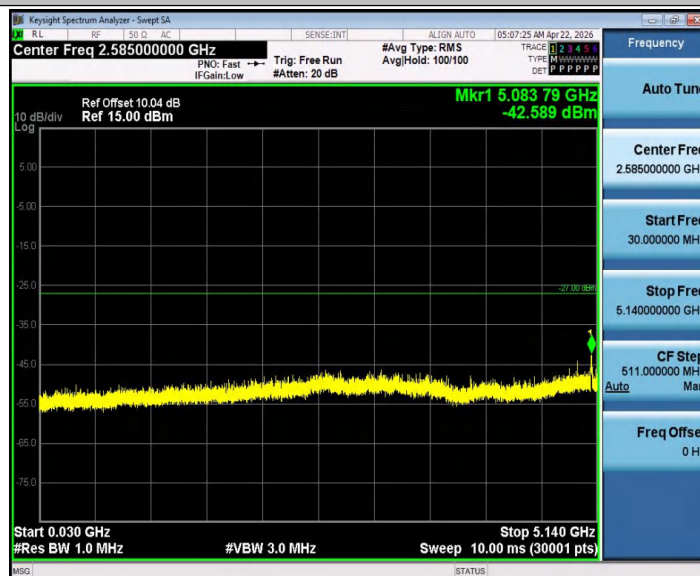




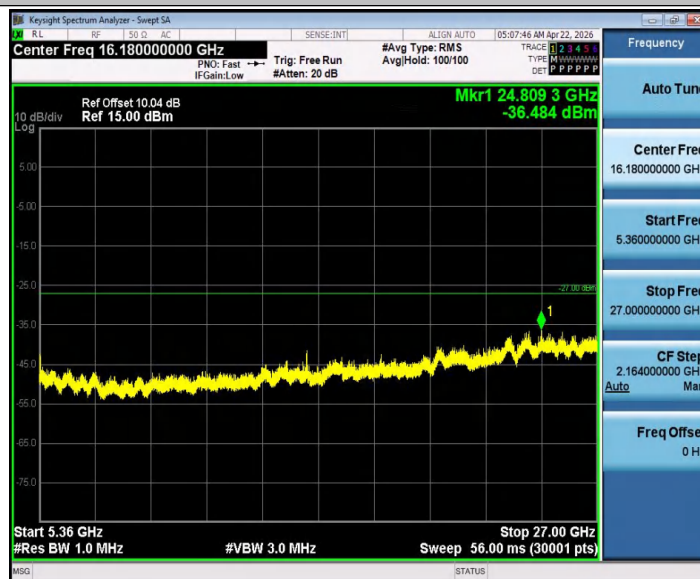
11A_Ant1_5200_5360~27000



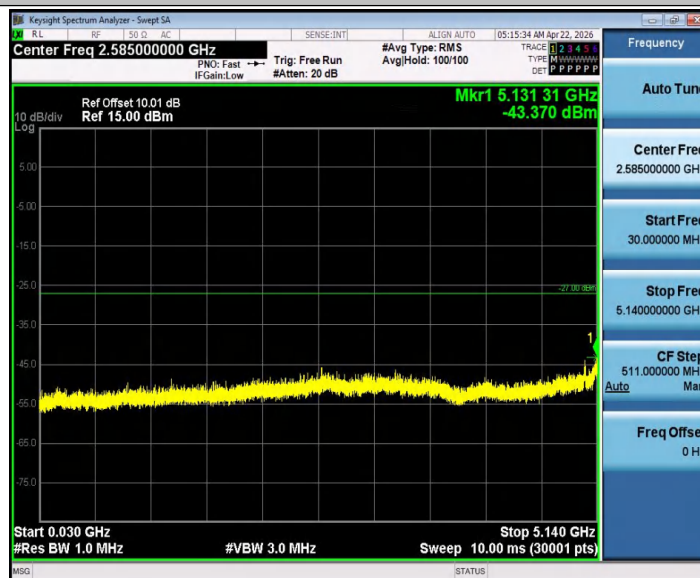
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~27000



11N20SISO_Ant1_5180_30~5140



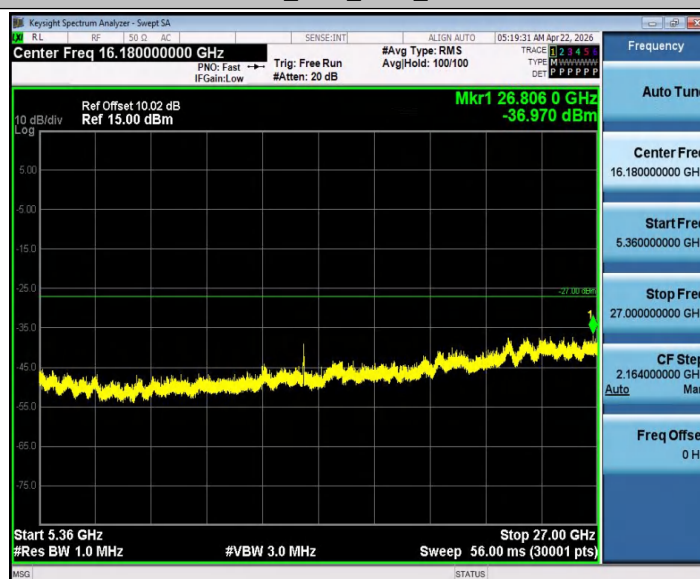
11N20SISO_Ant1_5180_5360~27000



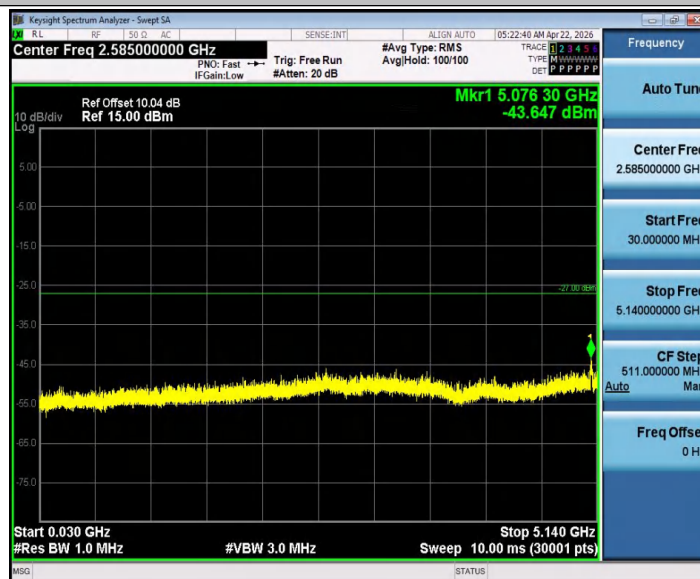
11N20ISO_Ant1_5200_30~5140



11N20ISO_Ant1_5200_5360~27000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~27000



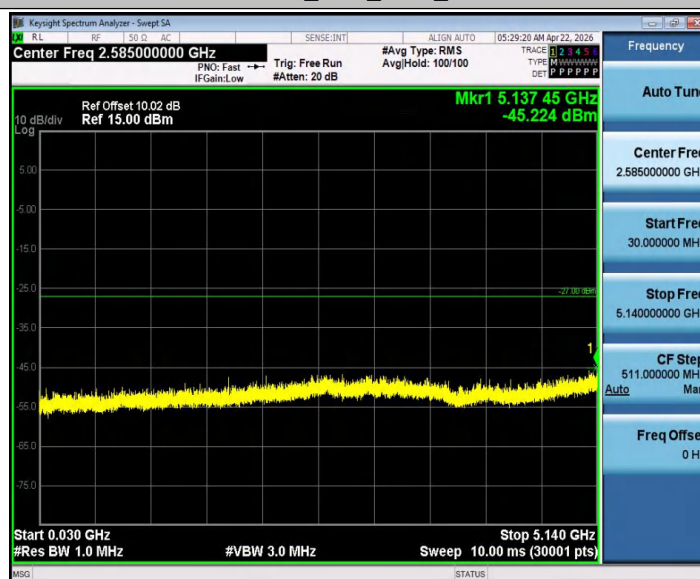
11N40SISO_Ant1_5190_30~5140

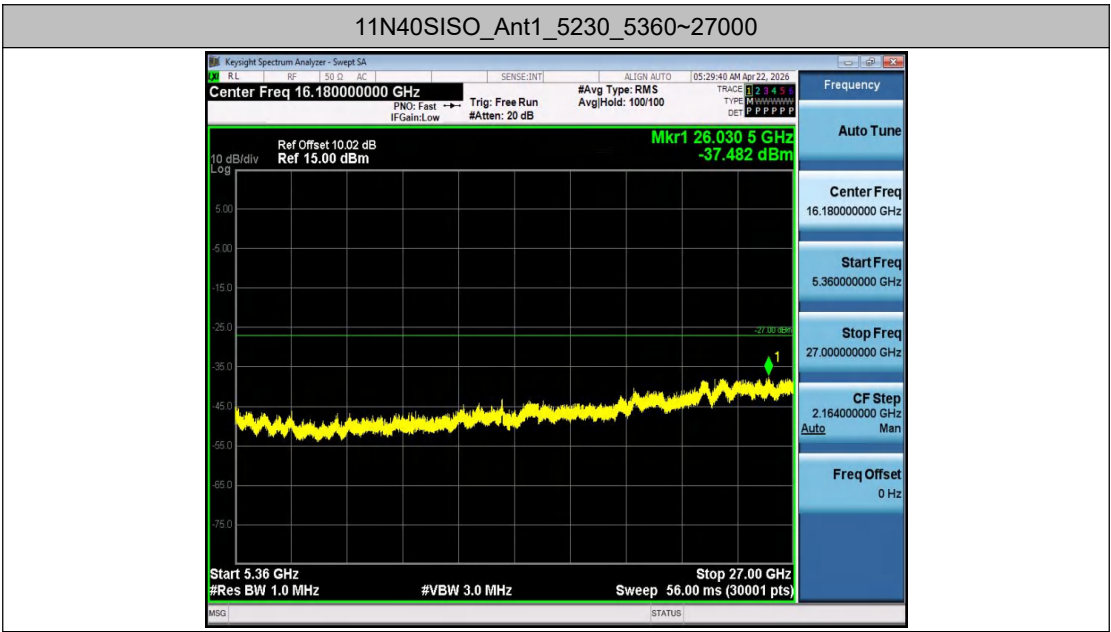


11N40SISO_Ant1_5190_5360~27000



11N40SISO_Ant1_5230_30~5140





Appendix C.8: Emissions in Restricted Bands

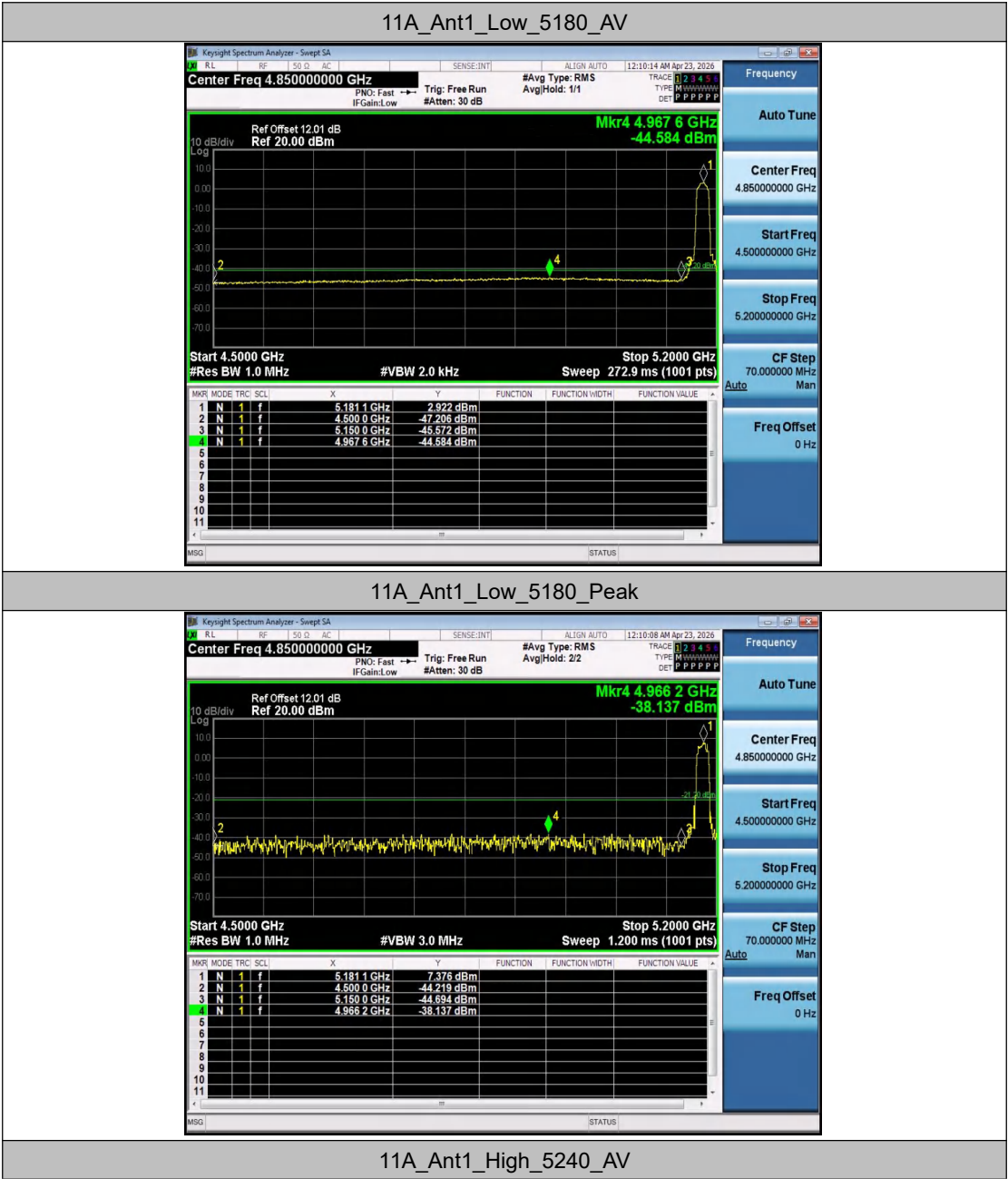
Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-47.21	≤-41.20	47.99	≤54	PASS
				AV	4967.600	-44.58	≤-41.20	50.62	≤54	PASS
				AV	5150.000	-45.57	≤-41.20	49.63	≤54	PASS
				Peak	4500.000	-44.22	≤-21.20	50.98	≤74	PASS
				Peak	4966.200	-38.14	≤-21.20	57.06	≤74	PASS
				Peak	5150.000	-44.69	≤-21.20	50.51	≤74	PASS
		High	5240	AV	5350.000	-46.34	≤-41.20	48.86	≤54	PASS
				AV	5440.560	-44.91	≤-41.20	50.29	≤54	PASS
				AV	5460.000	-45.42	≤-41.20	49.78	≤54	PASS
				Peak	5350.000	-42.41	≤-21.20	52.79	≤74	PASS
				Peak	5413.200	-35.5	≤-21.20	59.70	≤74	PASS
				Peak	5460.000	-37.68	≤-21.20	57.52	≤74	PASS
11N20SI SO	Ant1	Low	5180	AV	4500.000	-47.14	≤-41.20	48.06	≤54	PASS
				AV	4960.600	-44.69	≤-41.20	50.51	≤54	PASS
				AV	5150.000	-45.47	≤-41.20	49.73	≤54	PASS
				Peak	4500.000	-45.34	≤-21.20	49.86	≤74	PASS
				Peak	4925.600	-37.4	≤-21.20	57.80	≤74	PASS
				Peak	5150.000	-43.17	≤-21.20	52.03	≤74	PASS
		High	5240	AV	5350.000	-46.26	≤-41.20	48.94	≤54	PASS
				AV	5445.600	-44.78	≤-41.20	50.42	≤54	PASS
				AV	5460.000	-45.25	≤-41.20	49.95	≤54	PASS
				Peak	5350.000	-42.48	≤-21.20	52.72	≤74	PASS
				Peak	5418.720	-36.34	≤-21.20	58.86	≤74	PASS
				Peak	5460.000	-43.57	≤-21.20	51.63	≤74	PASS
11N40SI SO	Ant1	Low	5190	AV	4500.000	-47.18	≤-41.20	48.02	≤54	PASS
				AV	5149.600	-41.27	≤-41.20	53.93	≤54	PASS
				AV	5150.000	-41.37	≤-41.20	53.83	≤54	PASS
				Peak	4500.000	-46.58	≤-21.20	48.62	≤74	PASS
				Peak	5141.900	-34.38	≤-21.20	60.82	≤74	PASS
				Peak	5150.000	-37.68	≤-21.20	57.52	≤74	PASS
		High	5230	AV	5350.000	-46.17	≤-41.20	49.03	≤54	PASS
				AV	5447.780	-44.44	≤-41.20	50.76	≤54	PASS
				AV	5460.000	-45.52	≤-41.20	49.68	≤54	PASS
				Peak	5350.000	-41.4	≤-21.20	53.80	≤74	PASS
				Peak	5411.120	-36.9	≤-21.20	58.30	≤74	PASS
				Peak	5460.000	-41.22	≤-21.20	53.98	≤74	PASS

Note:

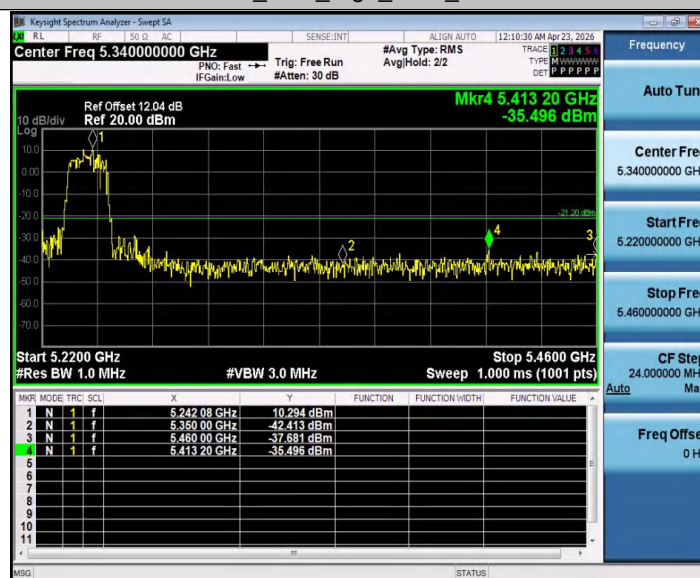
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs



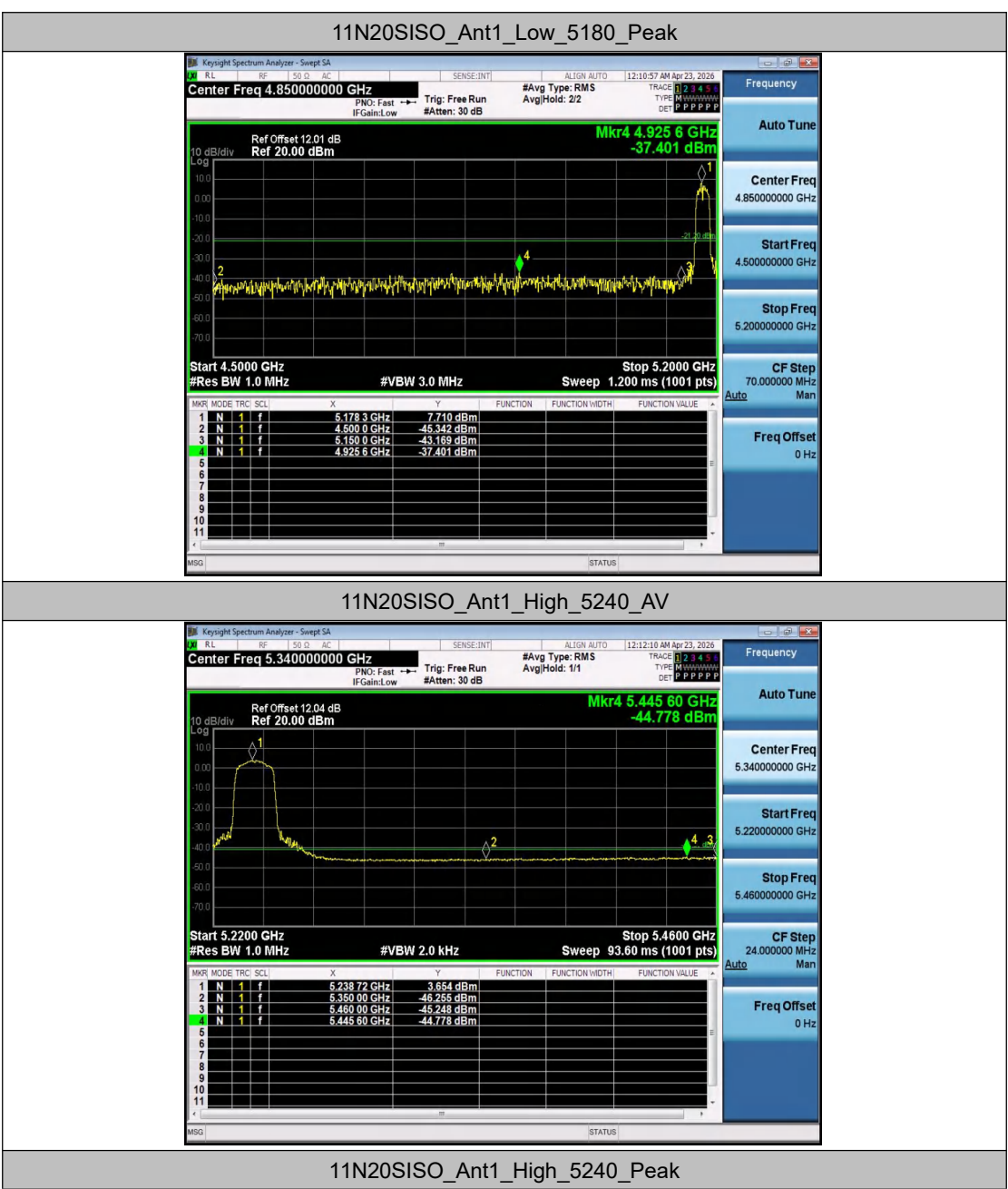


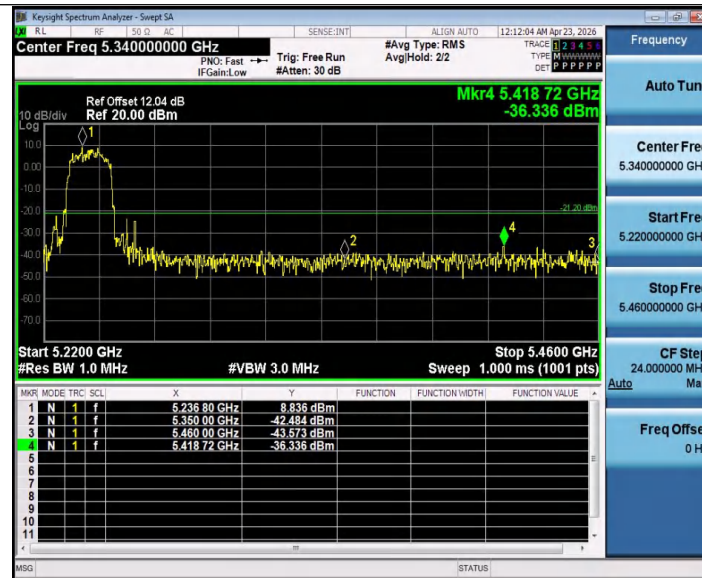
11A_Ant1_High_5240_Peak



11N20SISO_Ant1_Low_5180_AV



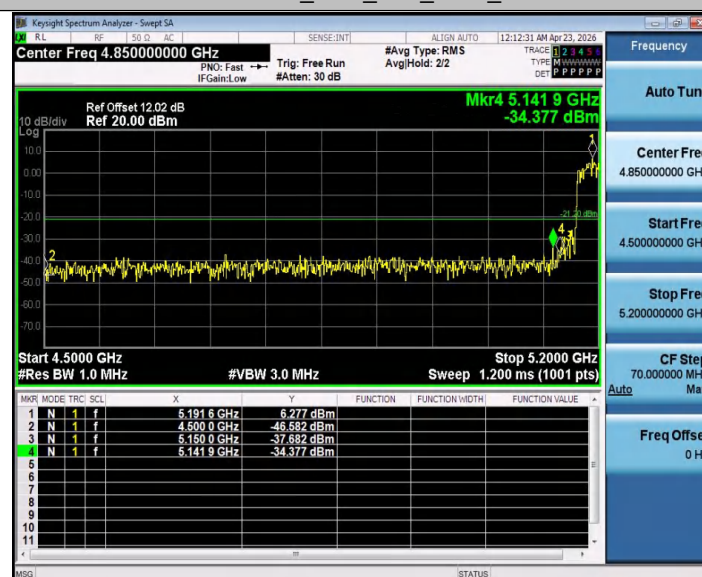


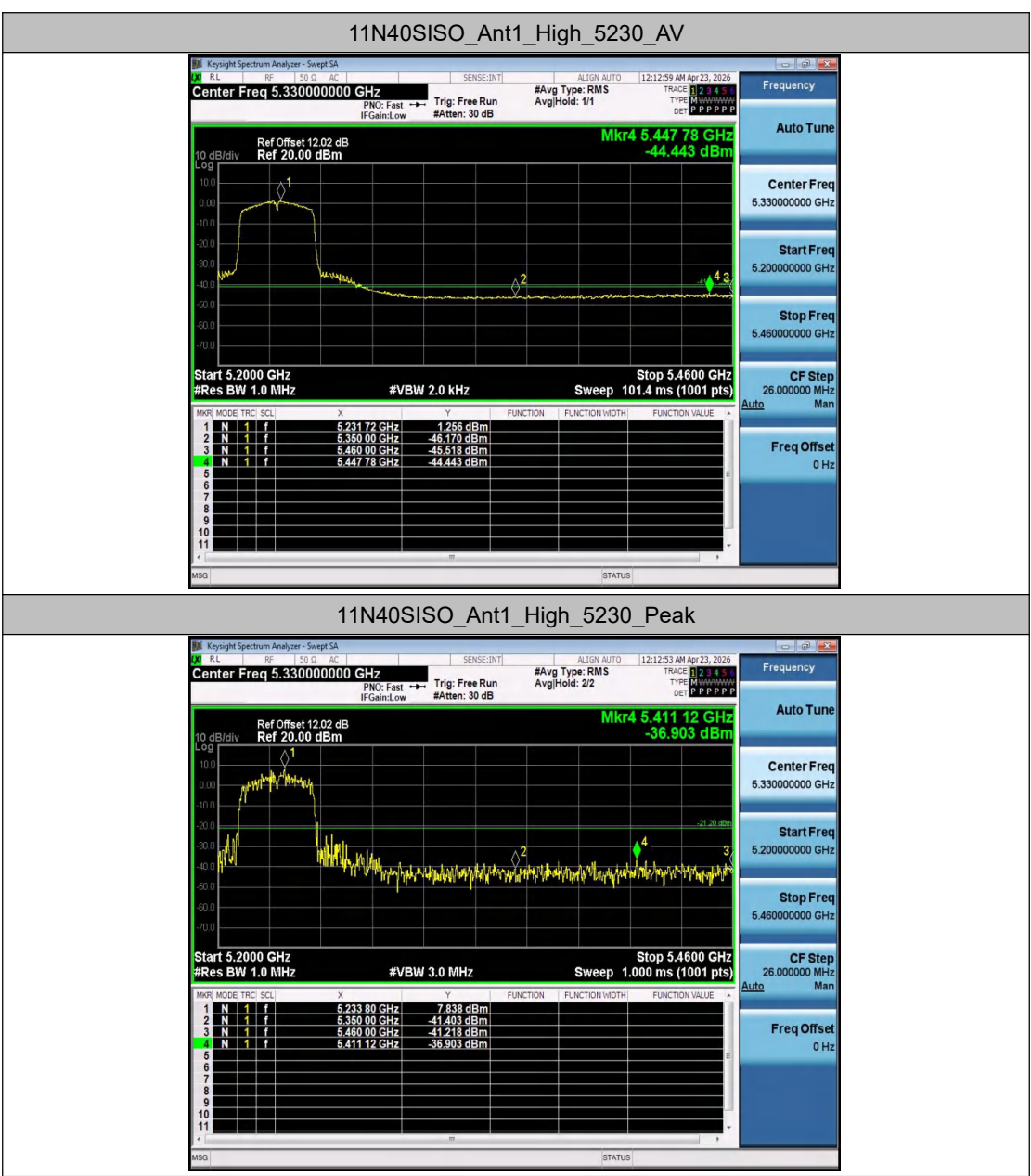


11N40SISO_Ant1_Low_5190_AV



11N40SISO_Ant1_Low_5190_Peak





11N40SISO_Ant1_High_5230_Peak

KeySight Spectrum Analyzer - Swept SA

Center Freq 5.330000000 GHz

Ref Offset 12.02 dB

Ref 20.00 dBm

10 dB/div

Log

Start 5.2000 GHz

#Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 1.000 ms (1001 pts)

Mkr4 5.411 12 GHz

-36.903 dBm

1

2

3

4

5

6

7

8

9

10

11

MSO

STATUS

Frequency

Auto Tune

Center Freq
5.330000000 GHz

Start Freq
5.200000000 GHz

Stop Freq
5.460000000 GHz

CF Step
26.000000 MHz

Auto

Freq Offset
0 Hz

MKR	MODE	TRC	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.233 80 GHz	7.838 dBm			
2	N	1	f	5.350 00 GHz	-41.403 dBm			
3	N	1	f	5.460 00 GHz	-41.218 dBm			
4	N	1	f	5.411 12 GHz	-36.903 dBm			