

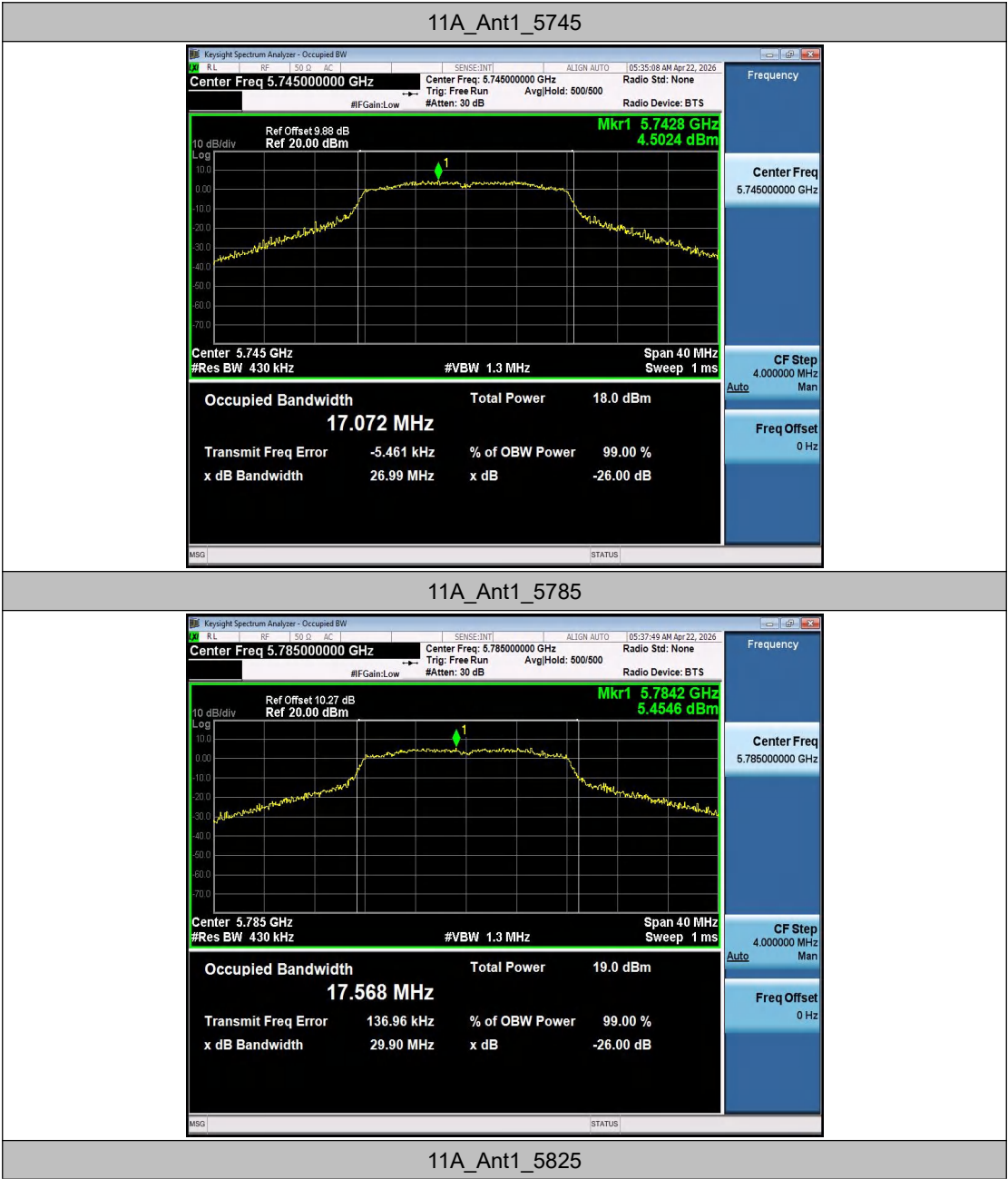
Case No. : <u>GTS20260409008-1-03</u>	
Ambient Condition: <u>25</u> °C, <u>56</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2026.4.22</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.072	5736.4585	5753.5305	---	---
		5785	17.568	5776.3530	5793.9210	---	---
		5825	17.449	5816.2318	5833.6808	---	---
11N20SISO	Ant1	5745	18.243	5735.8891	5754.1321	---	---
		5785	18.537	5775.8305	5794.3675	---	---
		5825	18.421	5815.7641	5834.1851	---	---
11N40SISO	Ant1	5755	36.428	5736.8701	5773.2981	---	---
		5795	36.564	5776.7404	5813.3044	---	---

Test Graphs



11A_Ant1_5785

Keysight Spectrum Analyzer - Occupied BW

Center Freq 5.785000000 GHz

Center Freq: 5.785000000 GHz

Trig: Free Run

Avg/Hold: 500/500

Radio Std: None

Radio Device: BTS

Ref Offset 10.27 dB

Ref 20.00 dBm

Mkr1 5.7842 GHz

5.4546 dBm

10 dB/div

Log

Center 5.785 GHz

#Res BW 430 kHz

#VBW 1.3 MHz

Span 40 MHz

Sweep 1 ms

Occupied Bandwidth

17.568 MHz

Total Power

19.0 dBm

Transmit Freq Error

136.96 kHz

% of OBW Power

99.00 %

x dB Bandwidth

29.90 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.785000000 GHz

CF Step

4.000000 MHz

Auto

Man

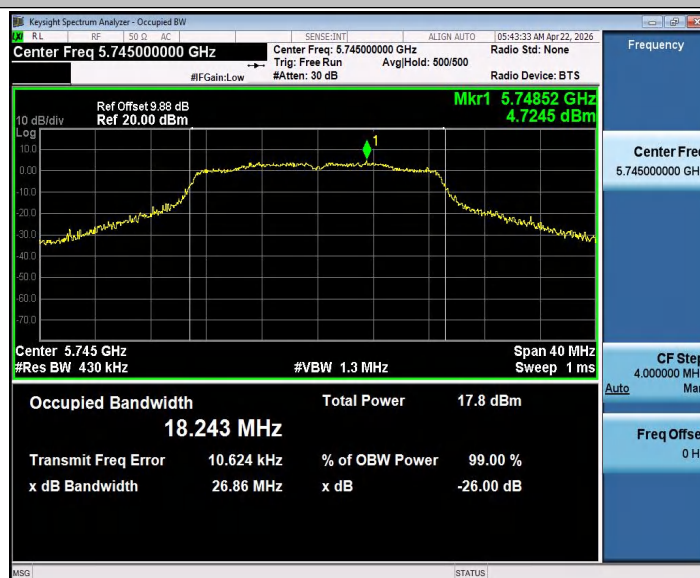
Freq Offset

0 Hz

11A_Ant1_5825

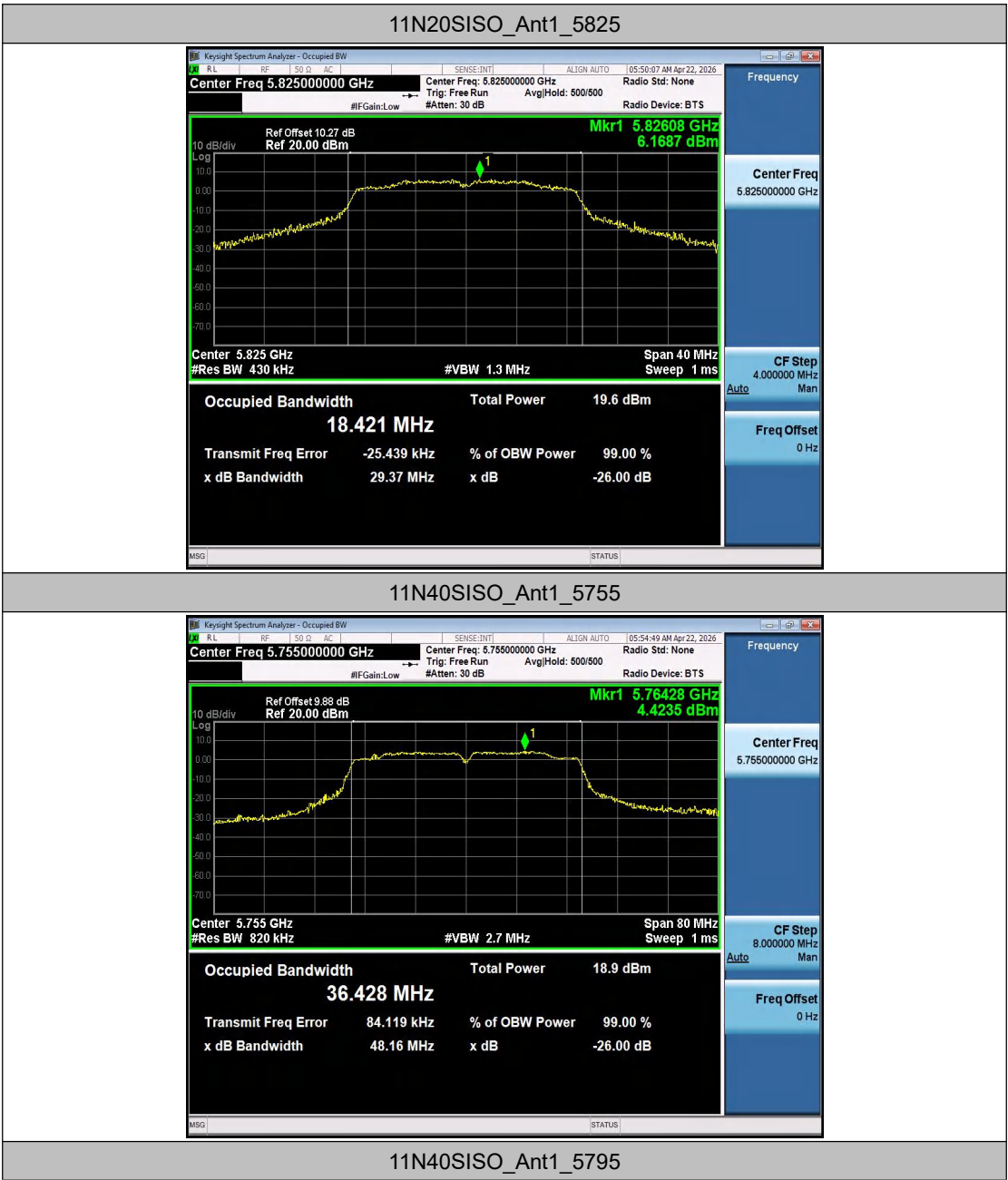


11N20SISO_Ant1_5745



11N20SISO_Ant1_5785





Appendix D.2: Min emission bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.000	5737.480	5752.480	0.5	PASS
		5785	15.040	5777.440	5792.480	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS

Test Graphs





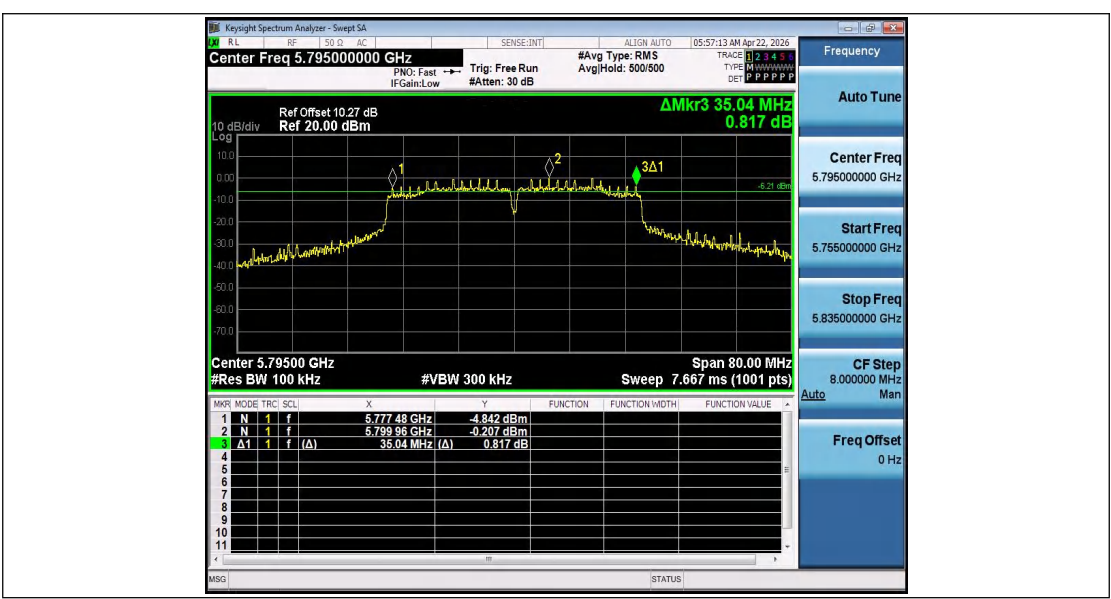
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785





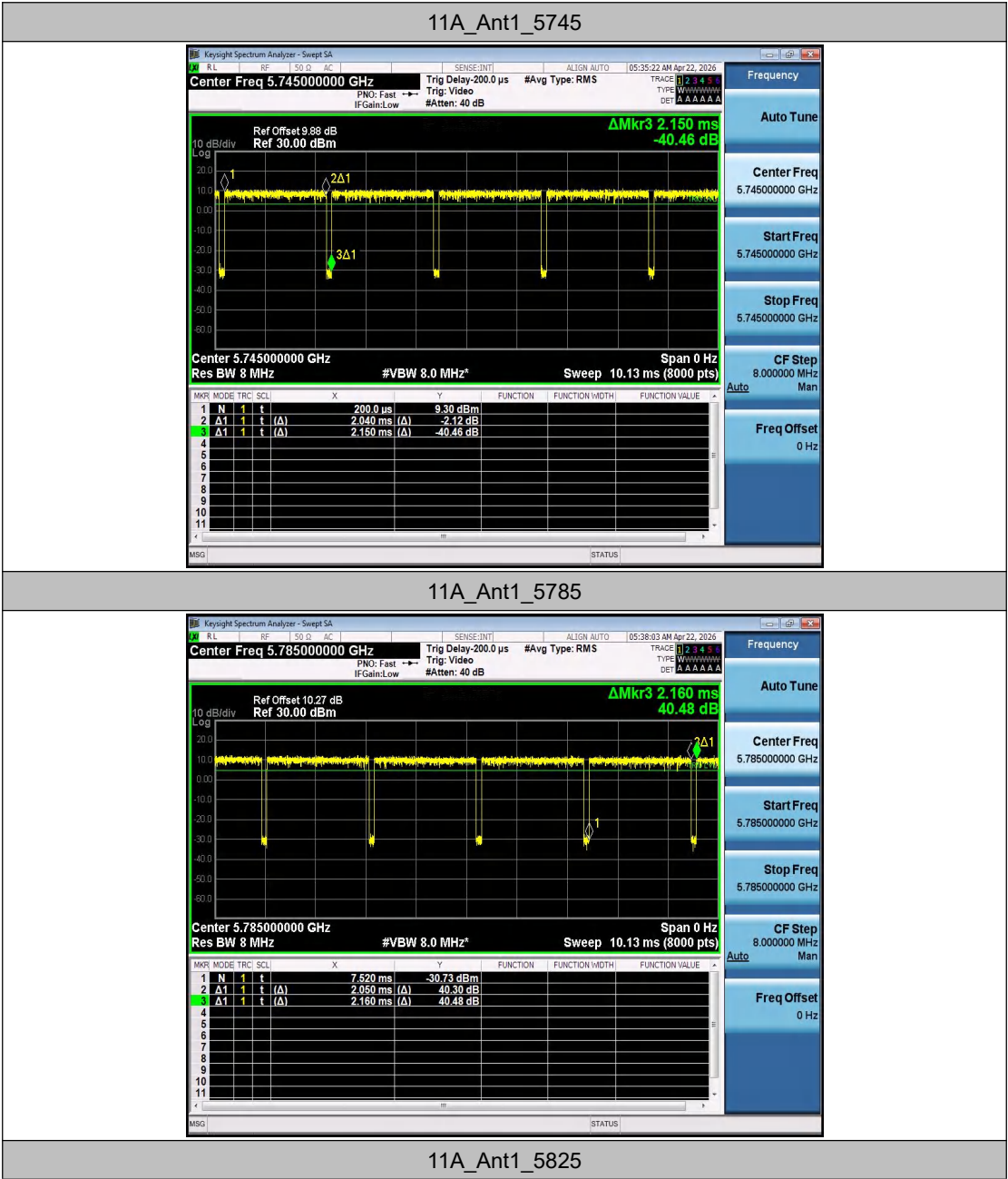


Appendix D.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.04	2.15	94.88	0.23	0.49
		5785	2.05	2.16	94.91	0.23	0.49
		5825	2.05	2.15	95.35	0.21	0.49
11N20SISO	Ant1	5745	1.91	1.99	95.98	0.18	0.52
		5785	1.90	1.99	95.48	0.20	0.53
		5825	1.90	1.99	95.48	0.20	0.53
11N40SISO	Ant1	5755	0.93	1.10	84.55	0.73	1.08
		5795	0.94	1.11	84.68	0.72	1.06

Test Graphs



11A_Ant1_5785

Keysight Spectrum Analyzer - Swept SA

Center Freq 5.785000000 GHz

Ref Offset 10.27 dB
Ref 30.00 dBm

10 dB/div

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 5.785000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz*

Sweep 10.13 ms (8000 pts)

Span 0 Hz

1

2

3

4

5

6

7

8

9

10

11

MSG

STATUS

Trig Delay-200.0 μ s

Trig: Video

#Atten: 40 dB

SENSE:INT

ALIGN AUTO

05:38:53 AM Apr 22, 2026

TRACE 1 2 3 4 5

TYPE WXXXXXXXXX

DET AAAAAA

Ref Offset 10.27 dB

Ref 30.00 dBm

Δ Mkr3 2.160 ms

40.48 dB

2 Δ 1

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION (MATH)	FUNCTION VALUE
1	N	1	t	7.520 ms	-30.73 dBm			
2	Δ 1	1	t	(Δ)	2.050 ms	(Δ)		40.30 dB
3	Δ 1	1	t	(Δ)	2.160 ms	(Δ)		40.48 dB

Frequency

Auto Tune

Center Freq
5.785000000 GHz

Start Freq
5.785000000 GHz

Stop Freq
5.785000000 GHz

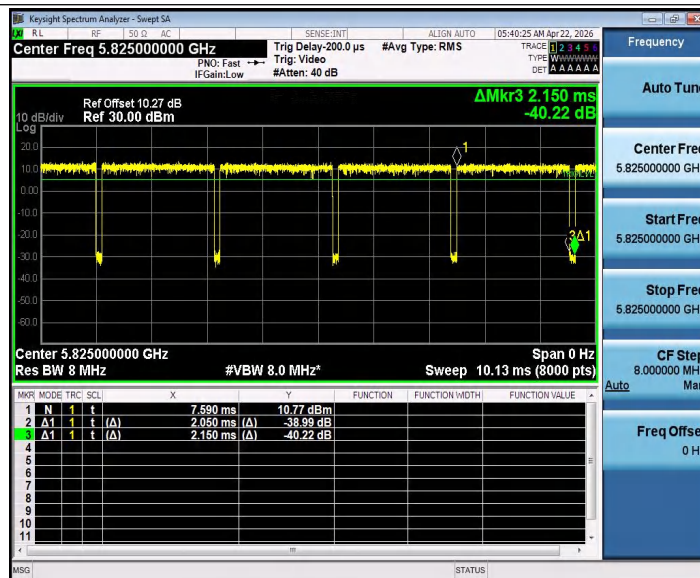
CF Step
8.0000000 MHz

Auto

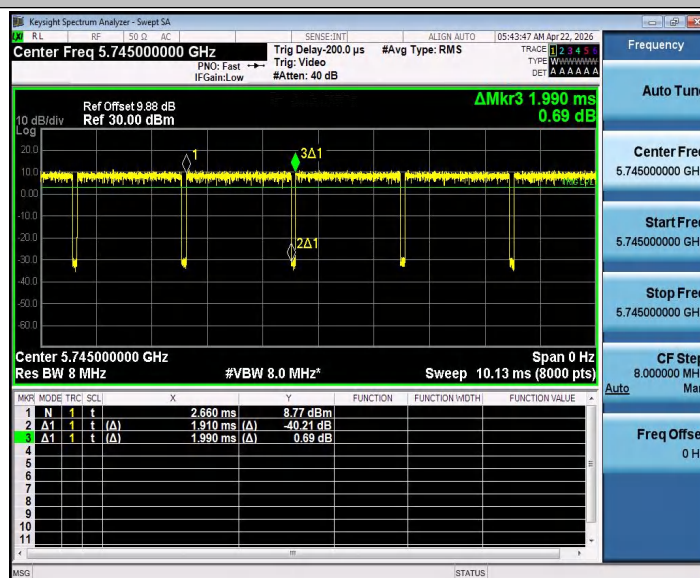
Man

Freq Offset
0 Hz

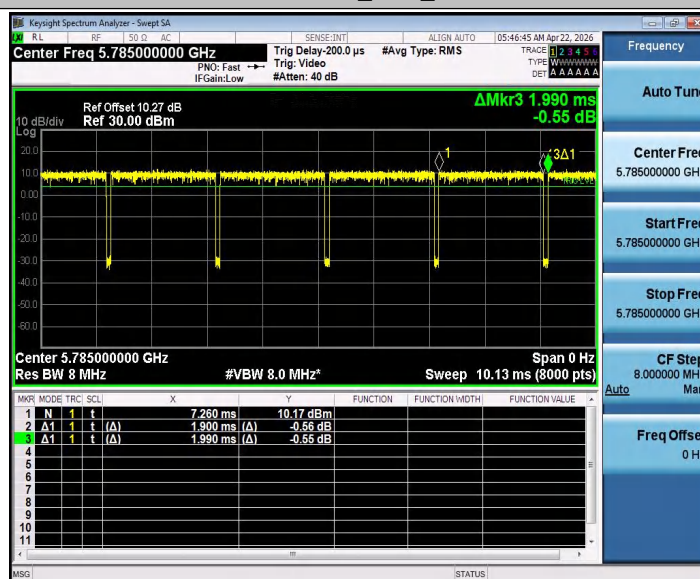
11A_Ant1_5825



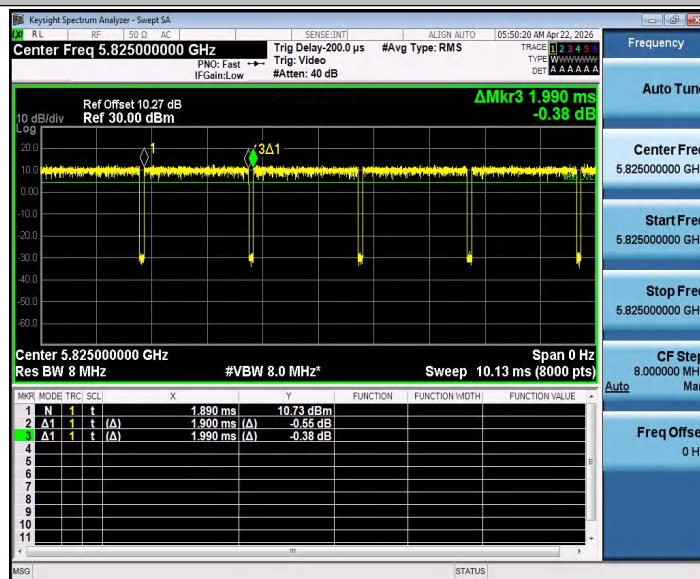
11N20SISO_Ant1_5745



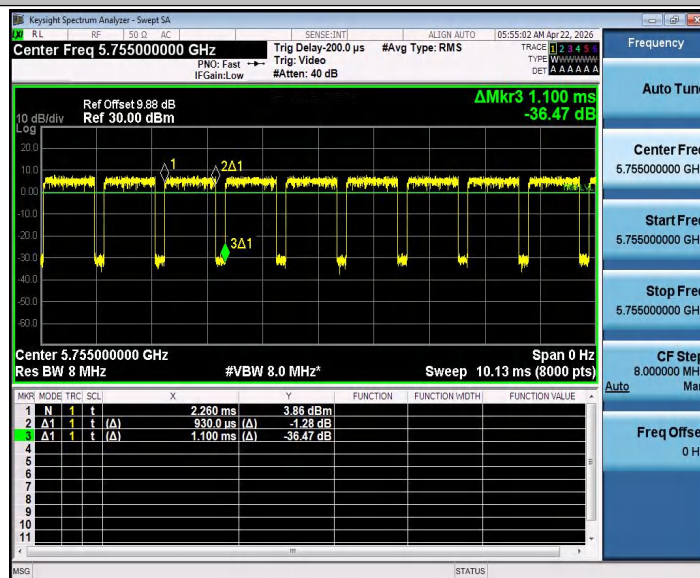
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

Appendix D.4: Maximum conducted output power

Test Result Channel Power

Note:

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	10.89	94.88	0.23	11.12	≤30.00	PASS
		5785	11.80	94.91	0.23	12.03	≤30.00	PASS
		5825	13.07	95.35	0.21	13.28	≤30.00	PASS
11N20SISO	Ant1	5745	10.84	95.98	0.18	11.02	≤30.00	PASS
		5785	11.72	95.48	0.20	11.92	≤30.00	PASS
		5825	12.71	95.48	0.20	12.91	≤30.00	PASS
11N40SISO	Ant1	5755	10.82	84.55	0.73	11.55	≤30.00	PASS
		5795	12.01	84.68	0.72	12.73	≤30.00	PASS

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

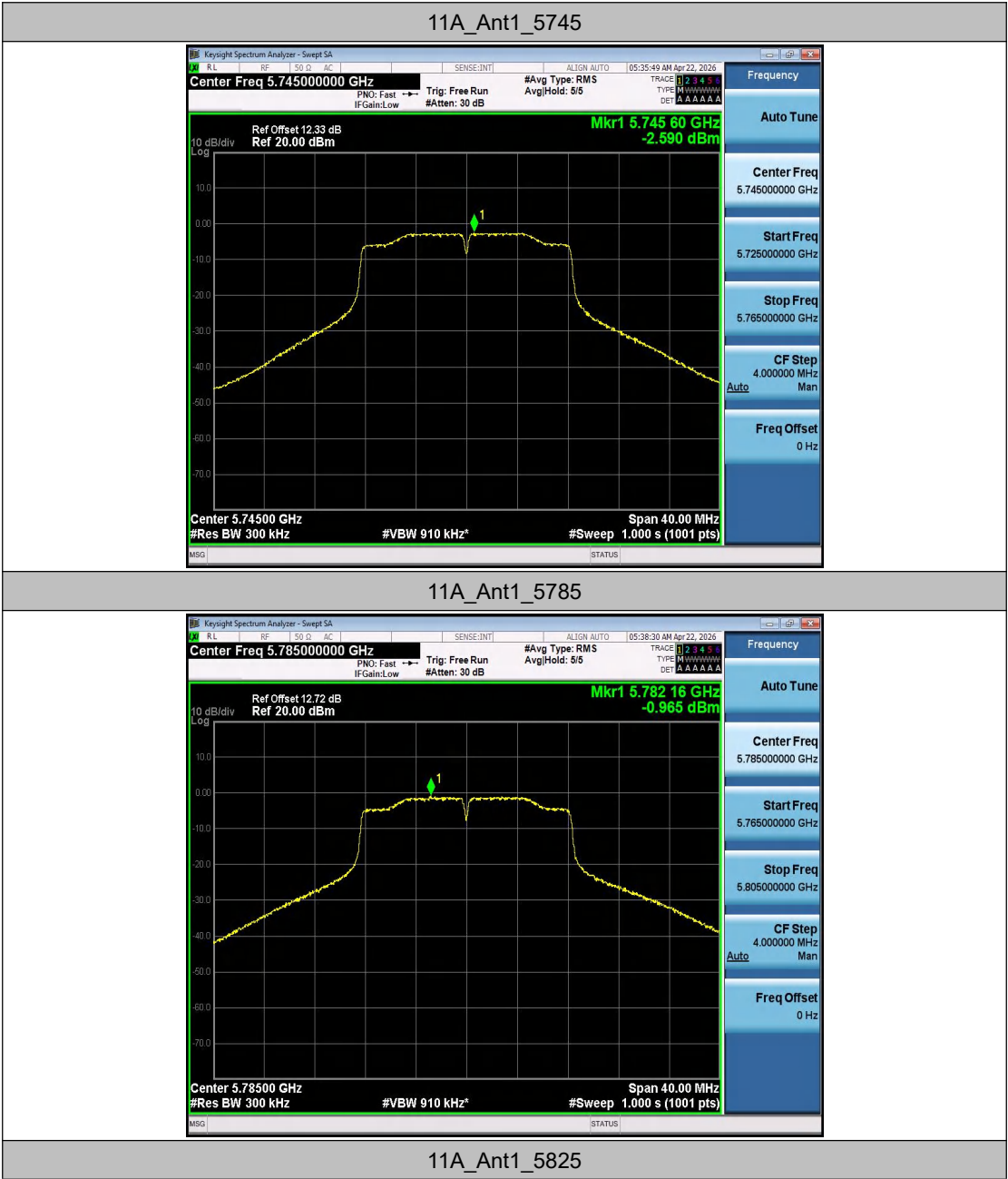
Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.59	≤30.00	PASS
		5785	-0.97	≤30.00	PASS
		5825	-0.49	≤30.00	PASS
11N20SISO	Ant1	5745	-2.61	≤30.00	PASS
		5785	-1.89	≤30.00	PASS
		5825	-1.14	≤30.00	PASS
11N40SISO	Ant1	5755	-5.40	≤30.00	PASS
		5795	-4.06	≤30.00	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



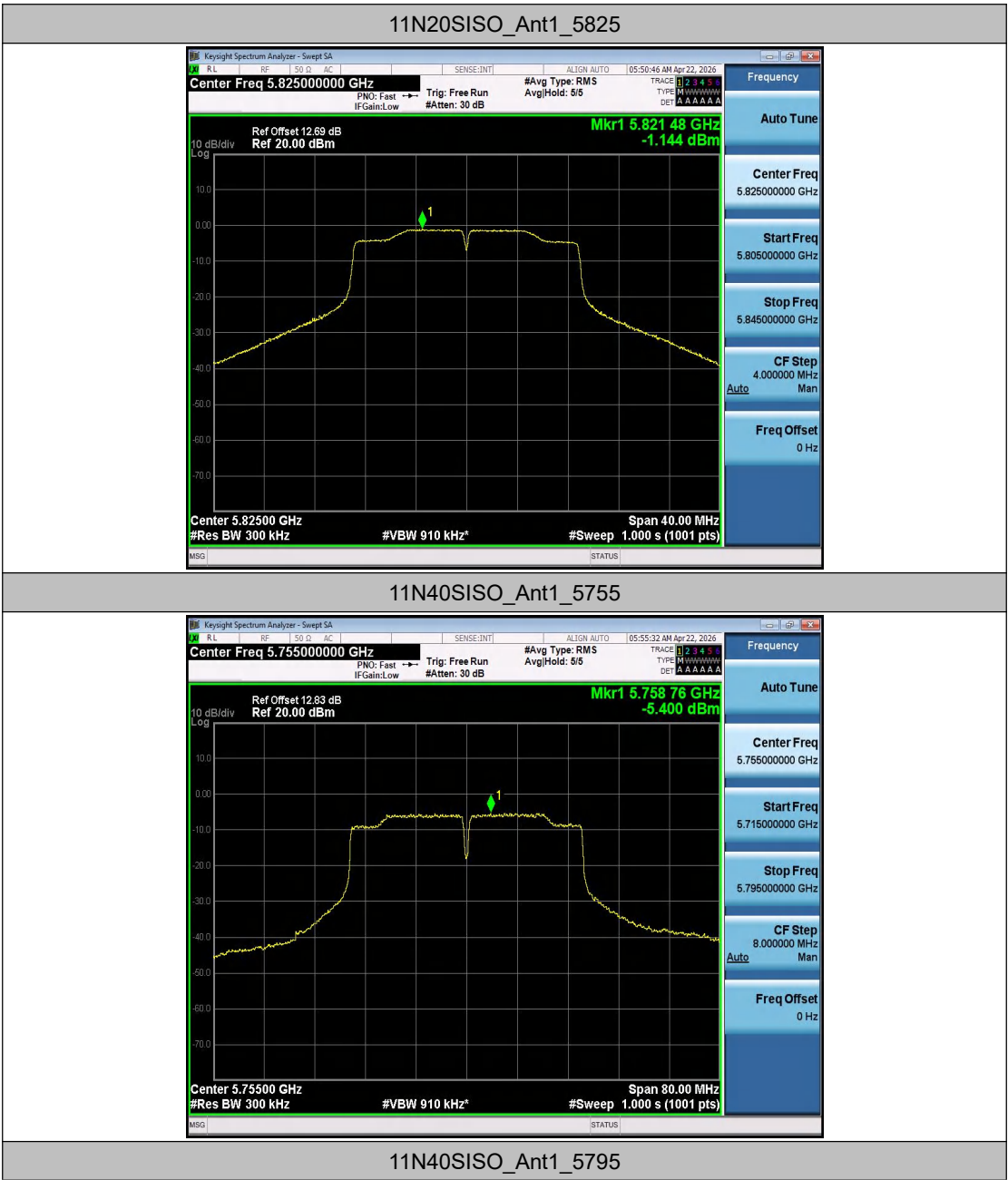


11N20SISO_Ant1_5745



11N20SISO_Ant1_5785







Appendix D.6: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.62	≤ -26.96	PASS
				5700~5720	-37.9	≤ 10.12	PASS
				5720~5725	-37.04	≤ 15.82	PASS
				5760~5650	-39.61	≤ -27	PASS
		High	5825	5850~5855	-35.13	≤ 17.57	PASS
				5855~5875	-37.59	≤ 10.10	PASS
				5875~5925	-38.02	≤ -26.21	PASS
				5925~5935	-37.51	≤ -27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-39.04	≤ -26.96	PASS
				5700~5720	-37.29	≤ 11.31	PASS
				5720~5725	-29.48	≤ 21.32	PASS
				5760~5650	-39.1	≤ -27	PASS
		High	5825	5850~5855	-36.7	≤ 16.34	PASS
				5855~5875	-37.97	≤ 10.51	PASS
				5875~5925	-38.41	≤ -26.91	PASS
				5925~5935	-37.58	≤ -27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-39.38	≤ -26.20	PASS
				5700~5720	-29.89	≤ 15.31	PASS
				5720~5725	-31.71	≤ 16.35	PASS
				5780~5650	-39.23	≤ -27	PASS
		High	5795	5850~5855	-38.13	≤ 15.66	PASS
				5855~5875	-37.96	≤ 10.20	PASS
				5875~5925	-38.51	≤ -26.59	PASS
				5925~5935	-36.53	≤ -27	PASS

Test Graphs

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



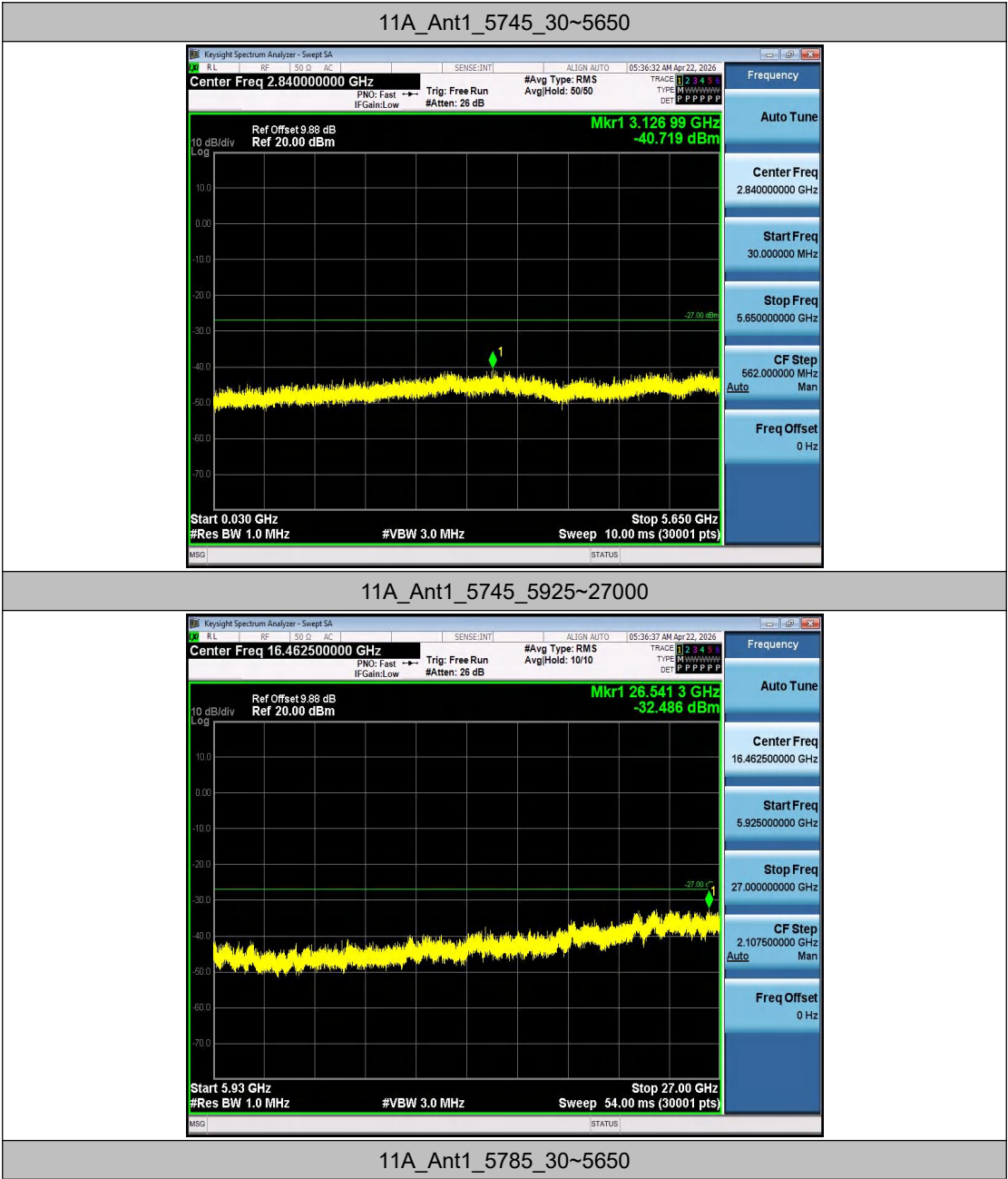


Appendix D.7: Conducted Spurious Emission

Test Result

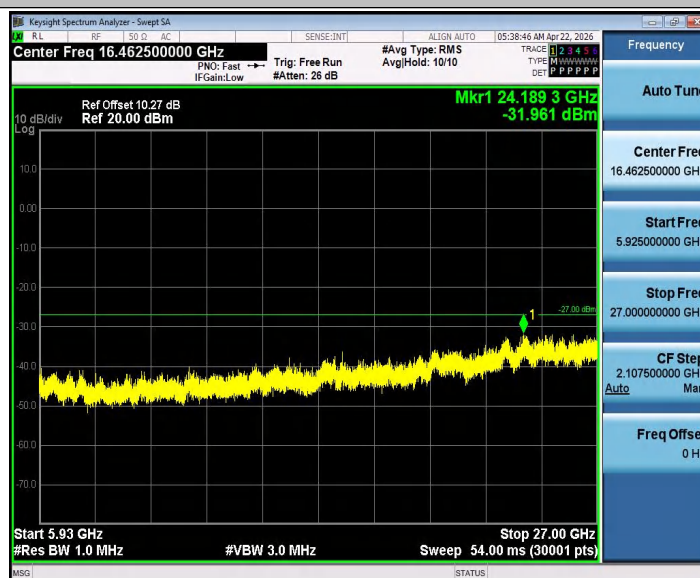
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3126.99	-40.72	≤-27	PASS
			5925~27000	26541.27	-32.49	≤-27	PASS
		5785	30~5650	3203.24	-40.53	≤-27	PASS
			5925~27000	24189.3	-31.96	≤-27	PASS
		5825	30~5650	4972.04	-39.68	≤-27	PASS
			5925~27000	25593.6	-30.88	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	2686.76	-40.37	≤-27	PASS
			5925~27000	24911.47	-30.21	≤-27	PASS
		5785	30~5650	5378.74	-39.88	≤-27	PASS
			5925~27000	24315.75	-31.32	≤-27	PASS
		5825	30~5650	5554.83	-39.82	≤-27	PASS
			5925~27000	26522.3	-31.48	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	3072.86	-39.65	≤-27	PASS
			5925~27000	24988.04	-30.9	≤-27	PASS
		5795	30~5650	5387.55	-39.97	≤-27	PASS
			5925~27000	24229.34	-31.61	≤-27	PASS

Test Graphs





11A_Ant1_5785_5925~27000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~27000



11N20SISO_Ant1_5745_30~5650



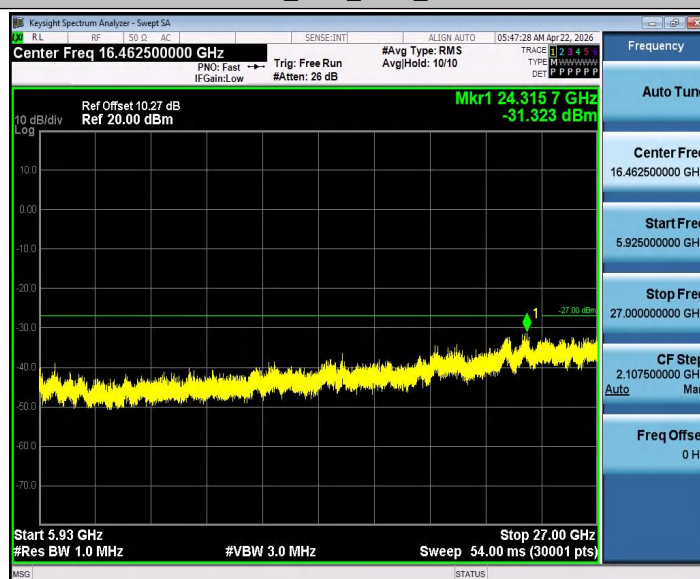
11N20SISO_Ant1_5745_5925~27000

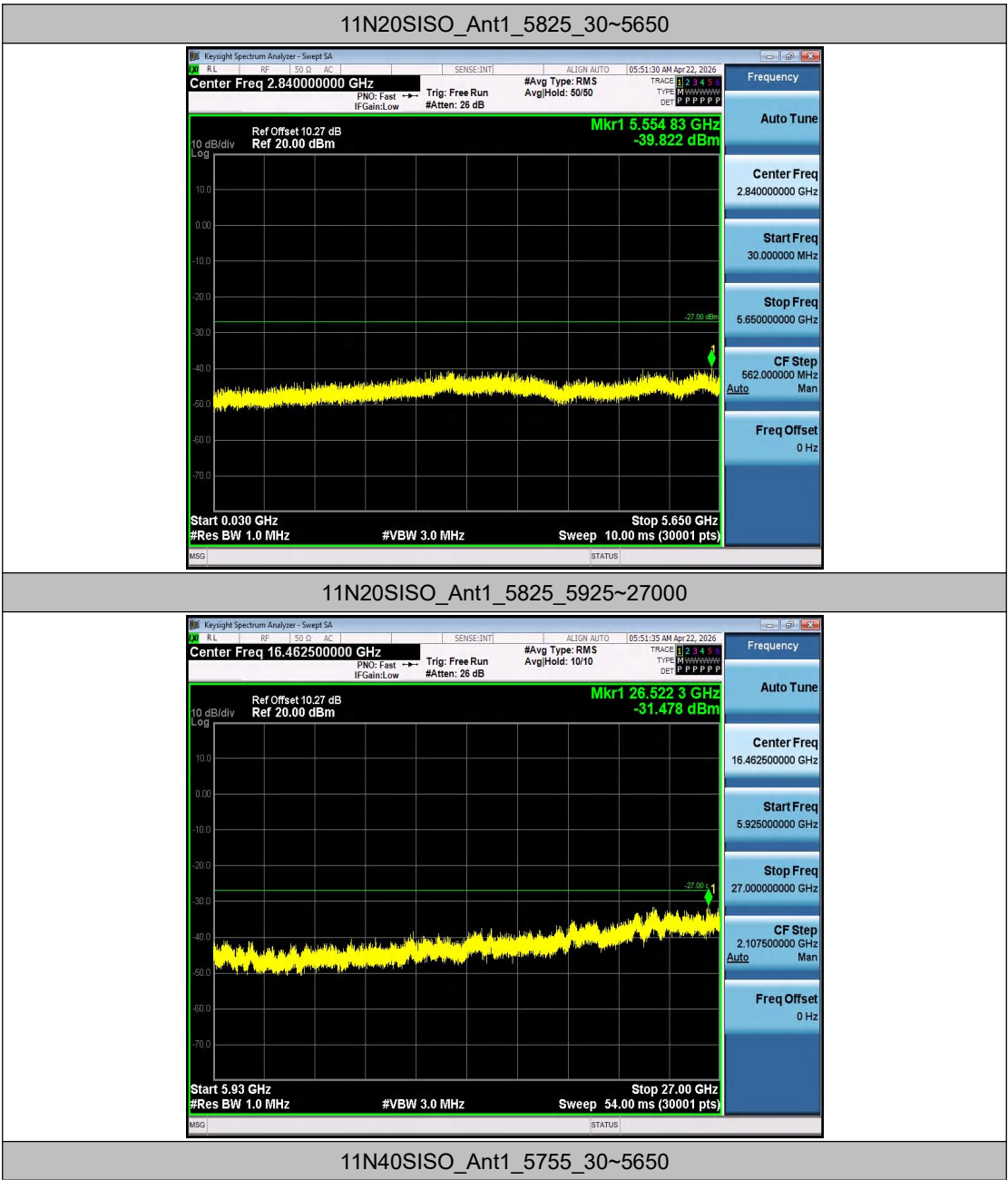


11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~27000



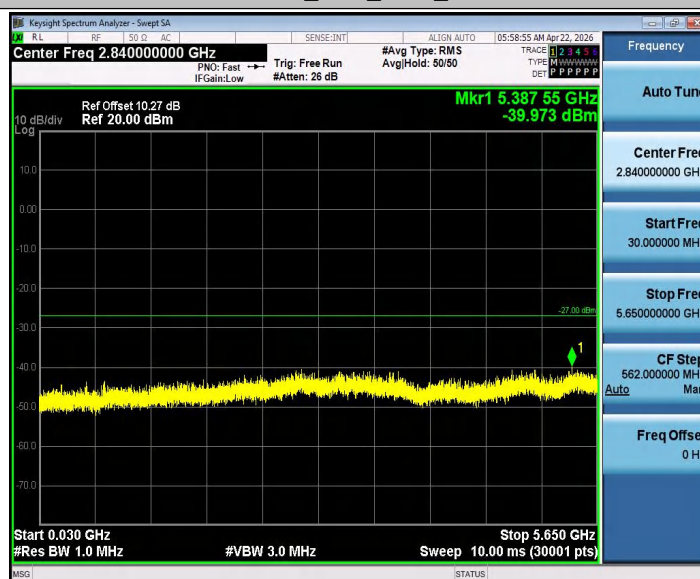


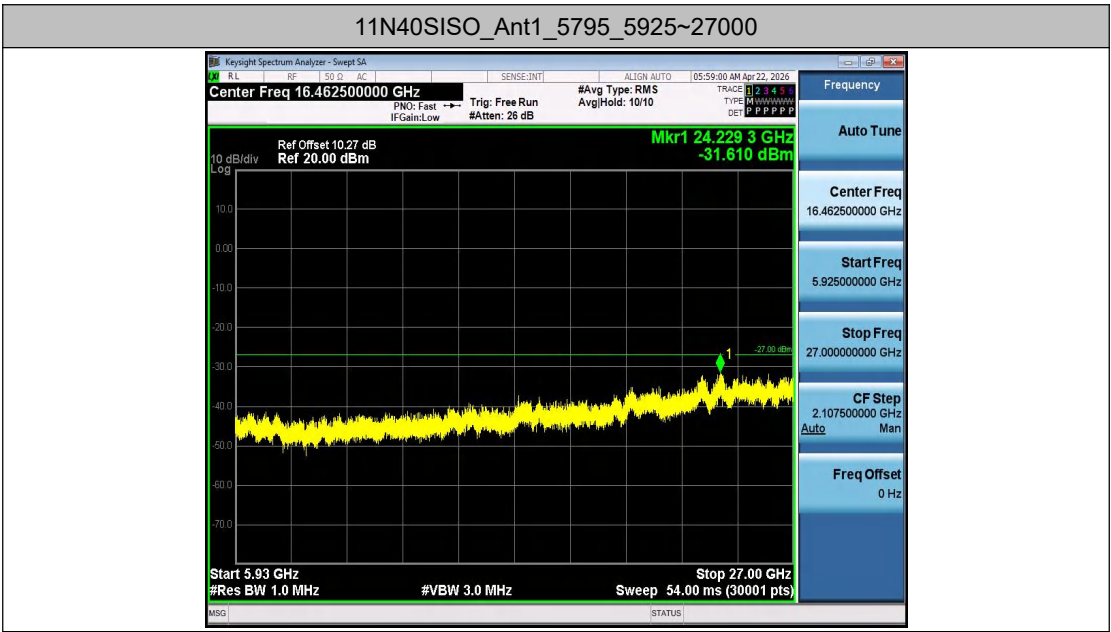


11N40SISO_Ant1_5755_5925~27000



11N40SISO_Ant1_5795_30~5650





Appendix D.8: Emissions in Restricted Bands

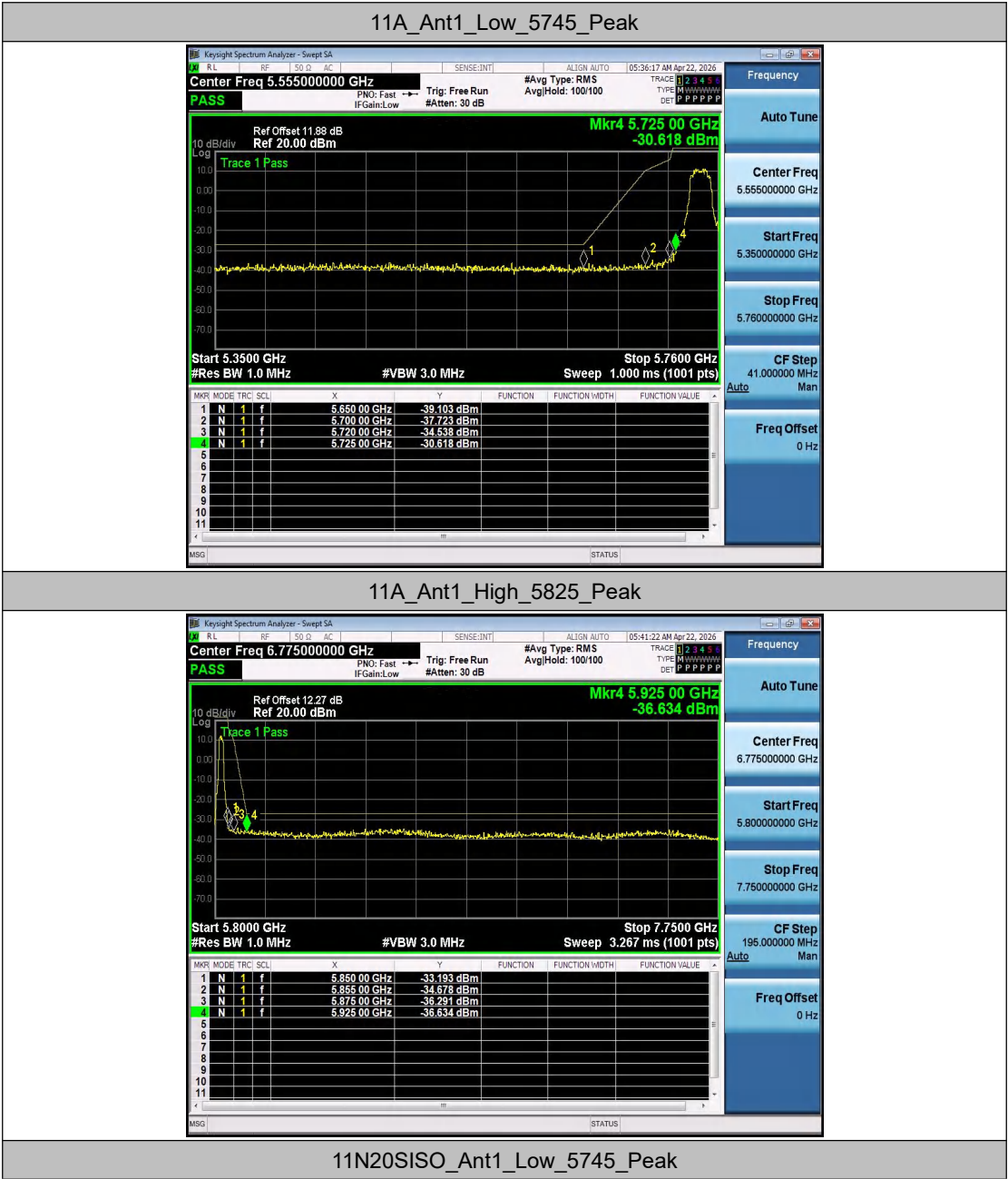
Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-39.103	≤-27.00	---	---	PASS
				Peak	5700.000	-37.72	≤10.00	---	---	PASS
				Peak	5720.000	-34.54	≤15.60	---	---	PASS
				Peak	5725.000	-30.62	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-33.193	≤27.00	---	---	PASS
				Peak	5855.000	-34.68	≤15.60	---	---	PASS
				Peak	5875.000	-36.29	≤10.00	---	---	PASS
				Peak	5925.000	-36.63	≤-27.00	---	---	PASS
11N20SI SO	Ant1	Low	5745	Peak	5650.000	-40.24	≤-27.00	---	---	PASS
				Peak	5700.000	-38.81	≤10.00	---	---	PASS
				Peak	5720.000	-34.09	≤15.60	---	---	PASS
				Peak	5725.000	-27.66	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-30.592	≤27.00	---	---	PASS
				Peak	5855.000	-34.4	≤15.60	---	---	PASS
				Peak	5875.000	-36.18	≤10.00	---	---	PASS
				Peak	5925.000	-36.89	≤-27.00	---	---	PASS
11N40SI SO	Ant1	Low	5755	Peak	5650.000	-39.147	≤-27.00	---	---	PASS
				Peak	5700.000	-36.52	≤10.00	---	---	PASS
				Peak	5720.000	-31.53	≤15.60	---	---	PASS
				Peak	5725.000	-28.64	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-34.908	≤27.00	---	---	PASS
				Peak	5855.000	-33.5	≤15.60	---	---	PASS
				Peak	5875.000	-36.21	≤10.00	---	---	PASS
				Peak	5925.000	-36.79	≤-27.00	---	---	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





11N20SISO_Ant1_High_5825_Peak



11N40SISO_Ant1_Low_5755_Peak

