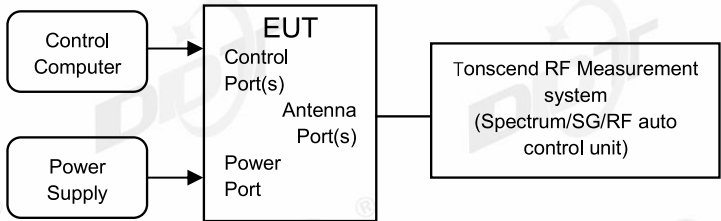


5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
6 dB Bandwidth	Minimum 500 kHz	5725 - 5850

5.3. Test procedure

Connect EUT’s antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth: RBW=100 kHz For 26 dB Bandwidth: approximately 1% of the emission bandwidth.
VBW	For 6 dB Bandwidth: VBW=300 kHz For 26 dB Bandwidth: >3 RBW
Trace	Max hold
Sweep	Auto couple

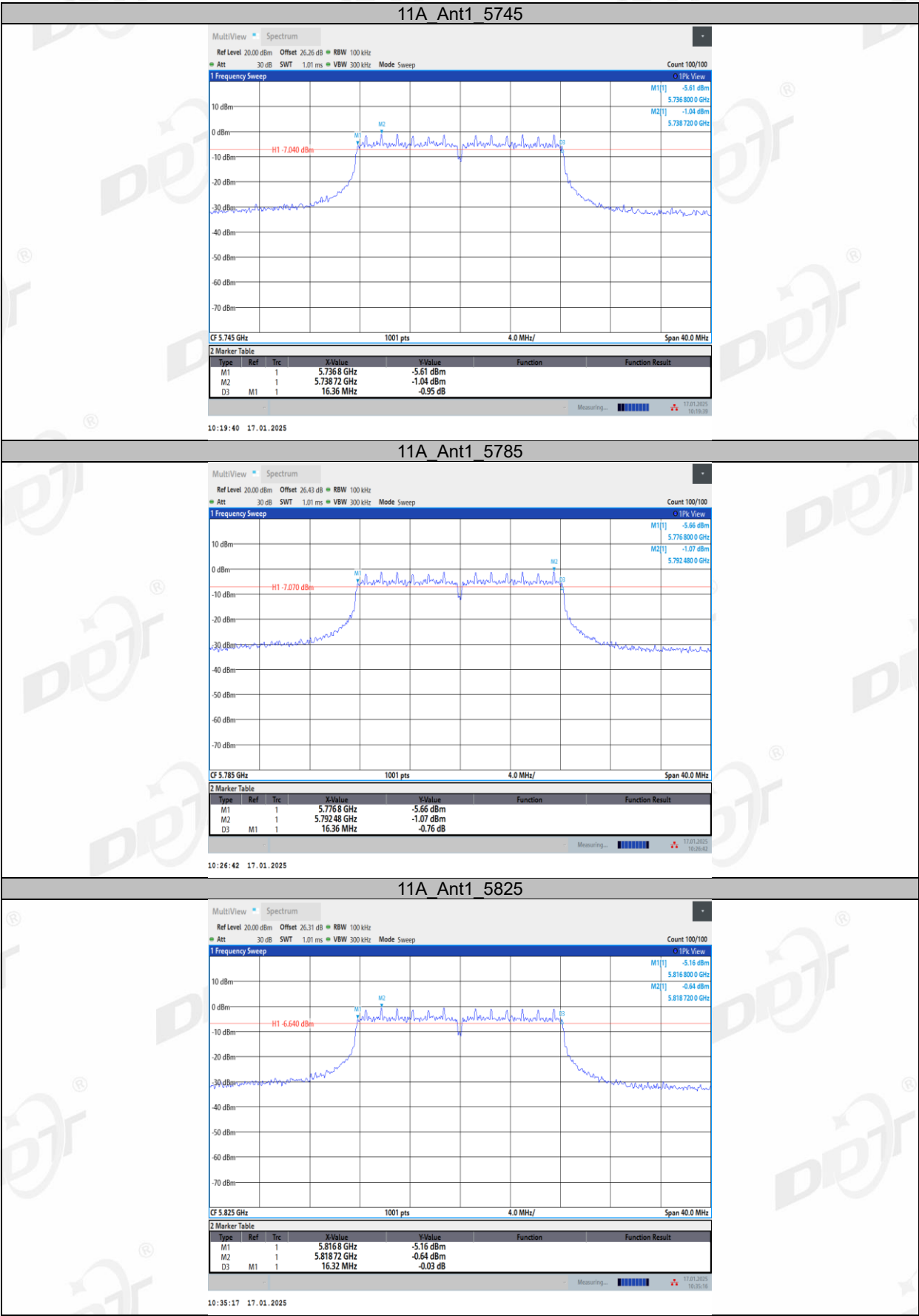
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

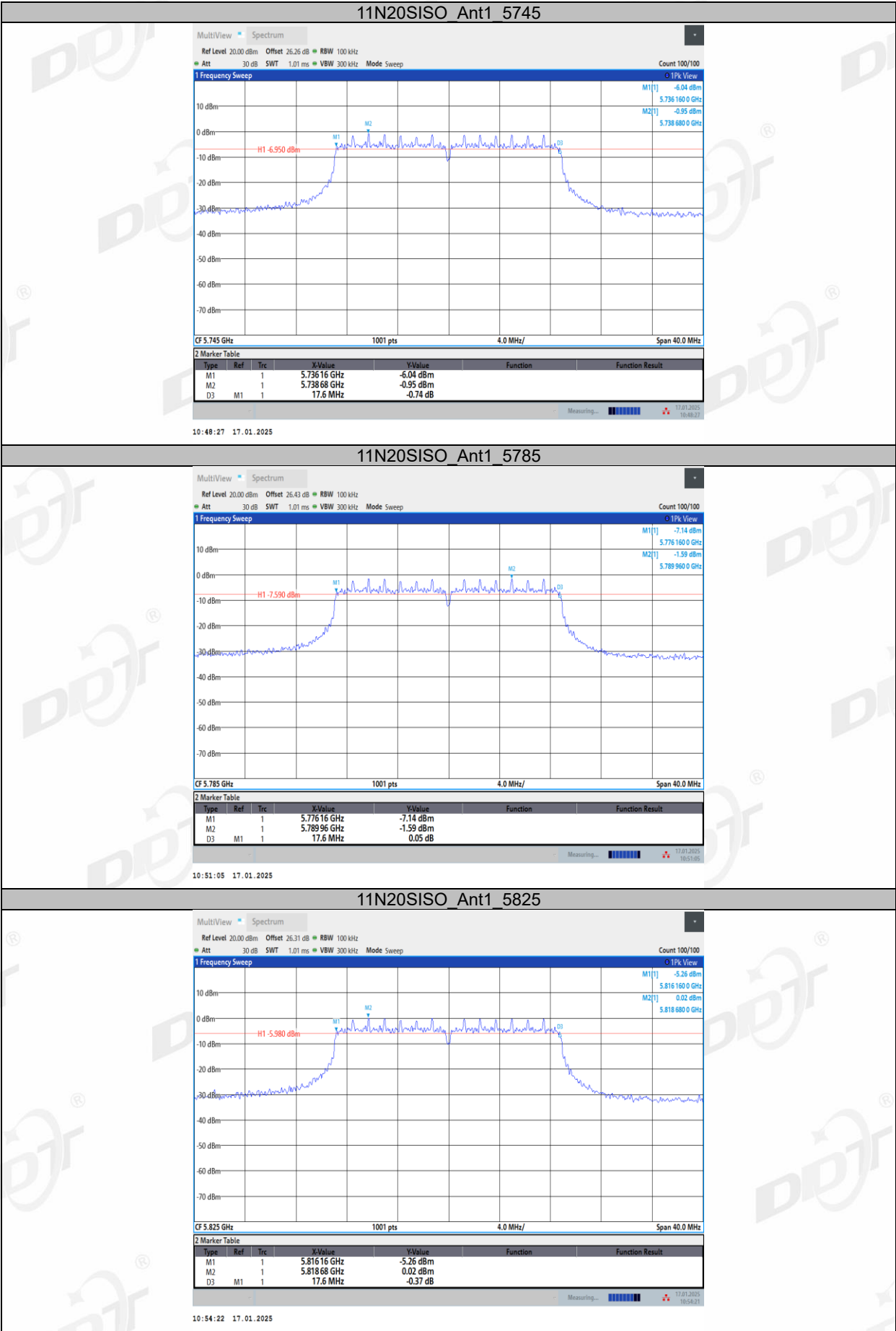
5.4. Test result B4

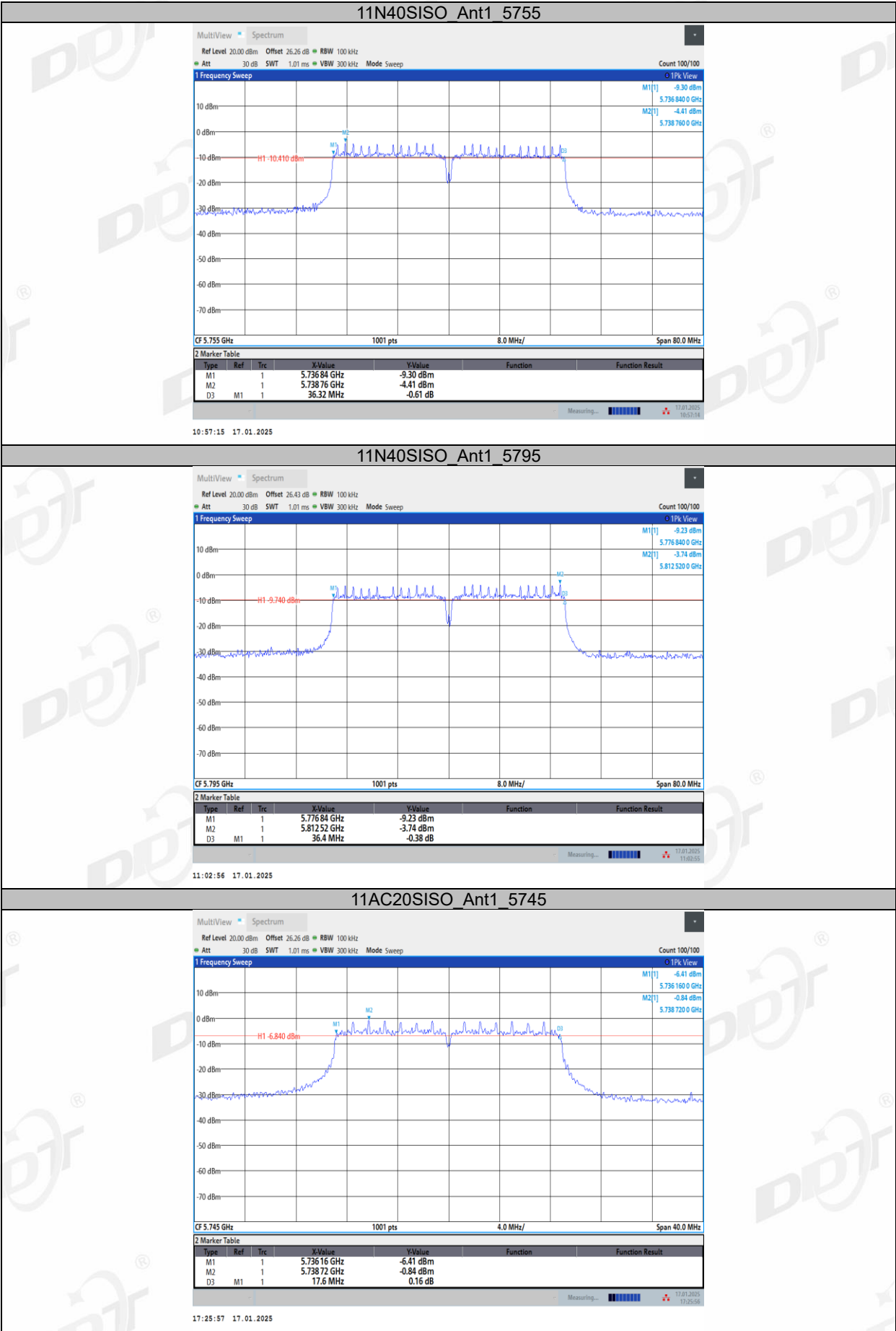
Test Engineer:	Zoe Peng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.2℃, 43.1%RH	Test Date:	2025.01.17
Test Power Supply:	DC 12V	Sample Number:	S24122405-004

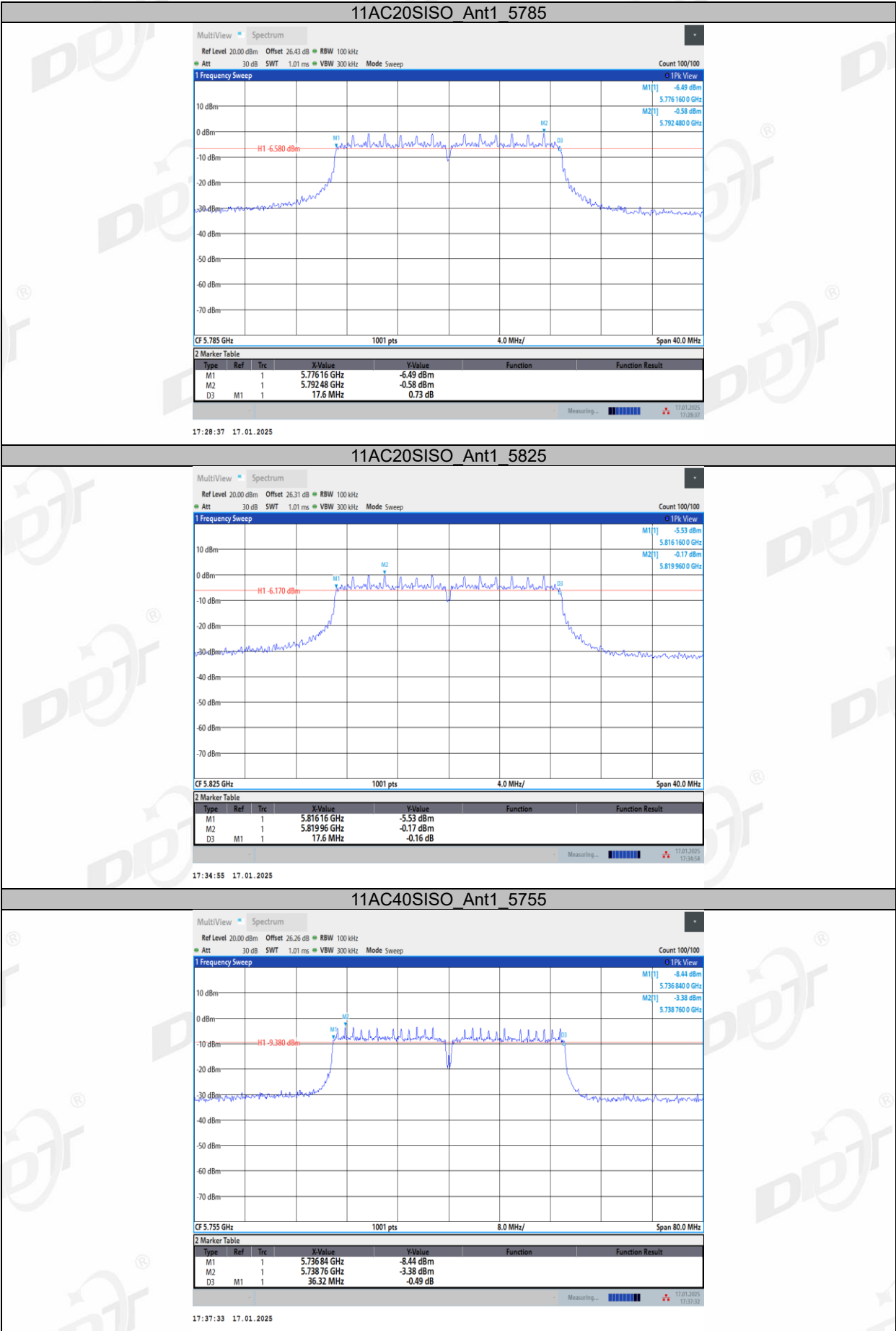
Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	16.36	5736.80	5753.16	0.5	PASS
		5785	16.36	5776.80	5793.16	0.5	PASS
		5825	16.32	5816.80	5833.12	0.5	PASS
11N20SISO	Ant1	5745	17.60	5736.16	5753.76	0.5	PASS
		5785	17.60	5776.16	5793.76	0.5	PASS
		5825	17.60	5816.16	5833.76	0.5	PASS
11N40SISO	Ant1	5755	36.32	5736.84	5773.16	0.5	PASS
		5795	36.40	5776.84	5813.24	0.5	PASS
11AC20SISO	Ant1	5745	17.60	5736.16	5753.76	0.5	PASS
		5785	17.60	5776.16	5793.76	0.5	PASS
		5825	17.60	5816.16	5833.76	0.5	PASS
11AC40SISO	Ant1	5755	36.32	5736.84	5773.16	0.5	PASS
		5795	36.32	5776.84	5813.16	0.5	PASS
11AC80SISO	Ant1	5775	76.48	5736.76	5813.24	0.5	PASS

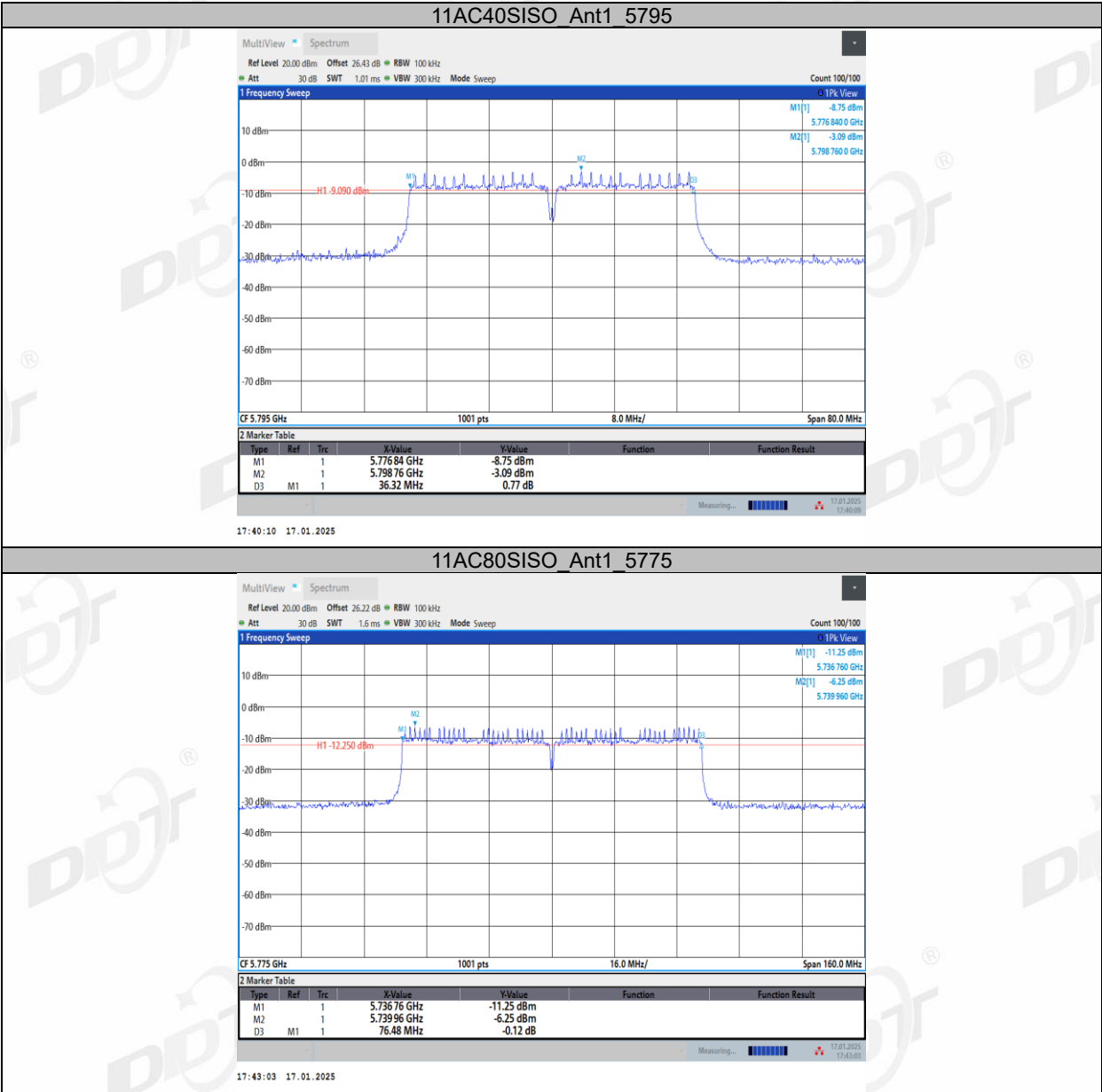
5.5. Test graphs B4





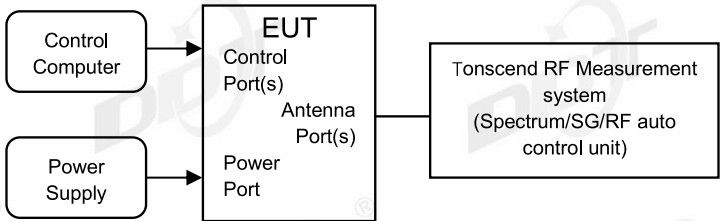






6. 99% Bandwidth

6.1. Block diagram of test setup



6.2. Limits

Just for Report.

6.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the OBW
VBW	approximately three times the RBW
Trace	Max hold

- (2) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

6.4. Test result

Test Engineer:	Zoe Peng	Test Site:	RF Measurement System 4#
Ambient Condition:	22.9-23.2°C, 43.1-47.6%RH	Test Date:	2025.01.17-2025.02.19
Test Power Supply:	DC 12V	Sample Number:	S24122405-004

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	17.410	5171.1605	5188.5709	---	---
		5200	17.421	5191.1675	5208.5889	---	---
		5240	17.477	5231.1356	5248.6125	---	---
		5260	17.422	5251.1494	5268.5714	---	---
		5280	17.420	5271.1405	5288.5605	---	---
		5320	17.437	5311.1382	5328.5749	---	---
		5500	17.436	5491.1430	5508.5786	---	---
		5580	17.500	5571.0496	5588.5497	---	---
		5700	17.500	5691.0623	5708.5627	---	---
		5720	17.502	5711.0720	5728.5739	---	---
		5720_UNII-2C	13.928	5711.0720	5725.0000	---	---
		5720_UNII-3	3.574	5725.0000	5728.5739	---	---
		5745	17.487	5736.0719	5753.5586	---	---
		5785	17.483	5776.0991	5793.5816	---	---
		5825	17.475	5816.0691	5833.5443	---	---
11N20SISO	Ant1	5180	18.469	5170.7397	5189.2085	---	---
		5200	18.481	5190.7427	5209.2239	---	---
		5240	18.481	5230.7223	5249.2033	---	---
		5260	18.475	5250.7295	5269.2042	---	---
		5280	18.487	5270.7047	5289.1918	---	---
		5320	18.482	5310.7265	5329.2081	---	---
		5500	18.526	5490.6840	5509.2104	---	---
		5580	18.545	5570.6352	5589.1801	---	---
		5700	18.552	5690.6436	5709.1952	---	---

		5720	18.537	5710.6708	5729.2079	---	---
		5720_UNII-2C	14.329	5710.6708	5725.0000	---	---
		5720_UNII-3	4.2080	5725.0000	5729.2079	---	---
		5745	18.521	5735.6522	5754.1737	---	---
		5785	18.557	5775.6591	5794.2158	---	---
		5825	18.557	5815.6403	5834.1972	---	---
11N40SISO	Ant1	5190	37.256	5171.3942	5208.6507	---	---
		5230	37.256	5211.3600	5248.6162	---	---
		5270	37.197	5251.3825	5288.5798	---	---
		5310	37.330	5291.3050	5328.6349	---	---
		5510	37.304	5491.2617	5528.5655	---	---
		5550	37.32	5531.1922	5568.5119	---	---
		5670	37.352	5651.3038	5688.6554	---	---
		5710	37.347	5691.2534	5728.6007	---	---
		5710_UNII-2C	33.747	5691.2534	5725.0000	---	---
		5710_UNII-3	3.601	5725.0000	5728.6007	---	---
		5755	37.322	5736.2322	5773.5537	---	---
		5795	37.337	5776.3235	5813.6607	---	---
11AC20SISO	Ant1	5180	18.505	5170.7113	5189.2162	---	---
		5200	18.489	5190.7307	5209.2194	---	---
		5240	18.509	5230.7128	5249.2221	---	---
		5260	18.482	5250.7233	5269.2052	---	---
		5280	18.505	5270.7057	5289.2104	---	---
		5320	18.502	5310.7084	5329.2102	---	---
		5500	18.517	5490.6895	5509.2061	---	---
		5580	18.544	5570.6322	5589.1763	---	---
		5700	18.554	5690.6427	5709.1968	---	---
		5720	18.531	5710.6728	5729.2039	---	---
		5720_UNII-2C	14.327	5710.6728	5725.0000	---	---
		5720_UNII-3	4.204	5725.0000	5729.2039	---	---

		5745	18.519	5735.6503	5754.1696	---	---
		5785	18.536	5775.6788	5794.2150	---	---
		5825	18.579	5815.6372	5834.2166	---	---
11AC40SISO	Ant1	5190	37.213	5171.4392	5208.6523	---	---
		5230	37.260	5211.3369	5248.5968	---	---
		5270	37.183	5251.3918	5288.5745	---	---
		5310	37.222	5291.3500	5328.5719	---	---
		5510	37.300	5491.2538	5528.5537	---	---
		5550	37.312	5531.1804	5568.4926	---	---
		5670	37.213	5651.3881	5688.6014	---	---
		5710	37.287	5691.2811	5728.5676	---	---
		5710_UNII-2C	33.719	5691.2811	5725.0000	---	---
		5710_UNII-3	3.568	5725.0000	5728.5676	---	---
		5755	37.313	5736.2381	5773.5512	---	---
		5795	37.259	5776.3503	5813.6091	---	---
11AC80SISO	Ant1	5210	76.592	5171.7537	5248.3462	---	---
		5290	76.799	5251.4689	5328.2682	---	---
		5530	76.735	5491.2786	5568.0137	---	---
		5610	76.873	5571.1372	5648.0101	---	---
		5690	76.909	5651.5247	5728.4338	---	---
		5690_UNII-2C	73.475	5651.5247	5725.0000	---	---
		5690_UNII-3	3.434	5725.0000	5728.4338	---	---
		5775	76.966	5736.4064	5813.3721	---	---

6.5. Test graphs

