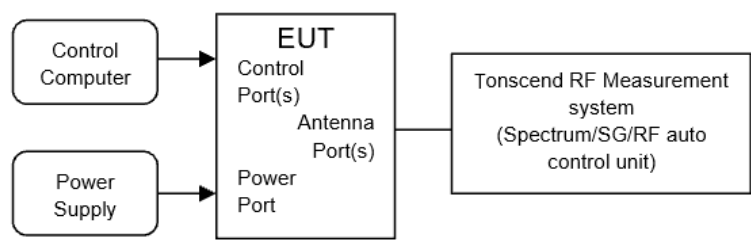


5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E/ RSS-247		
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

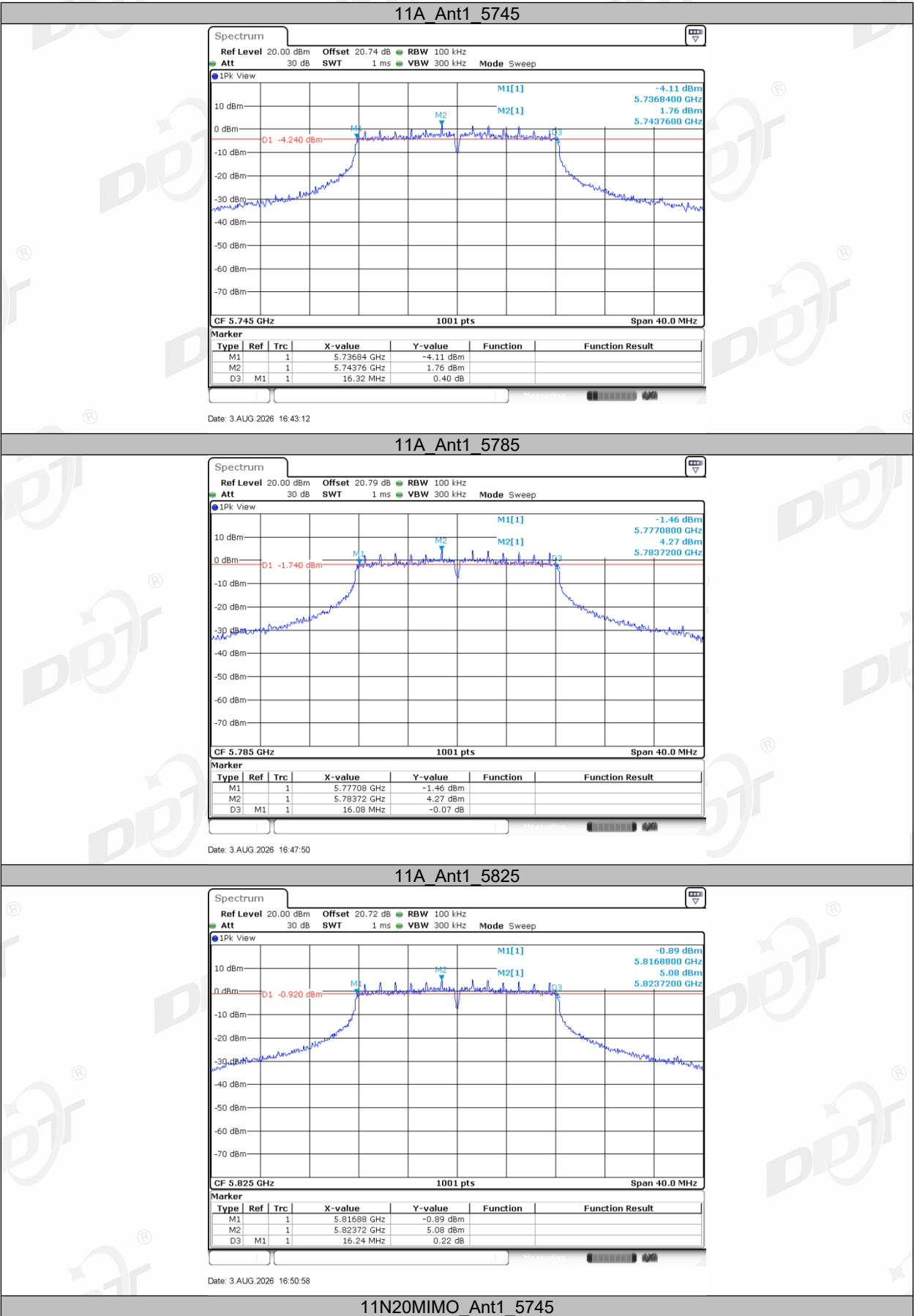
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.4. Test result B4

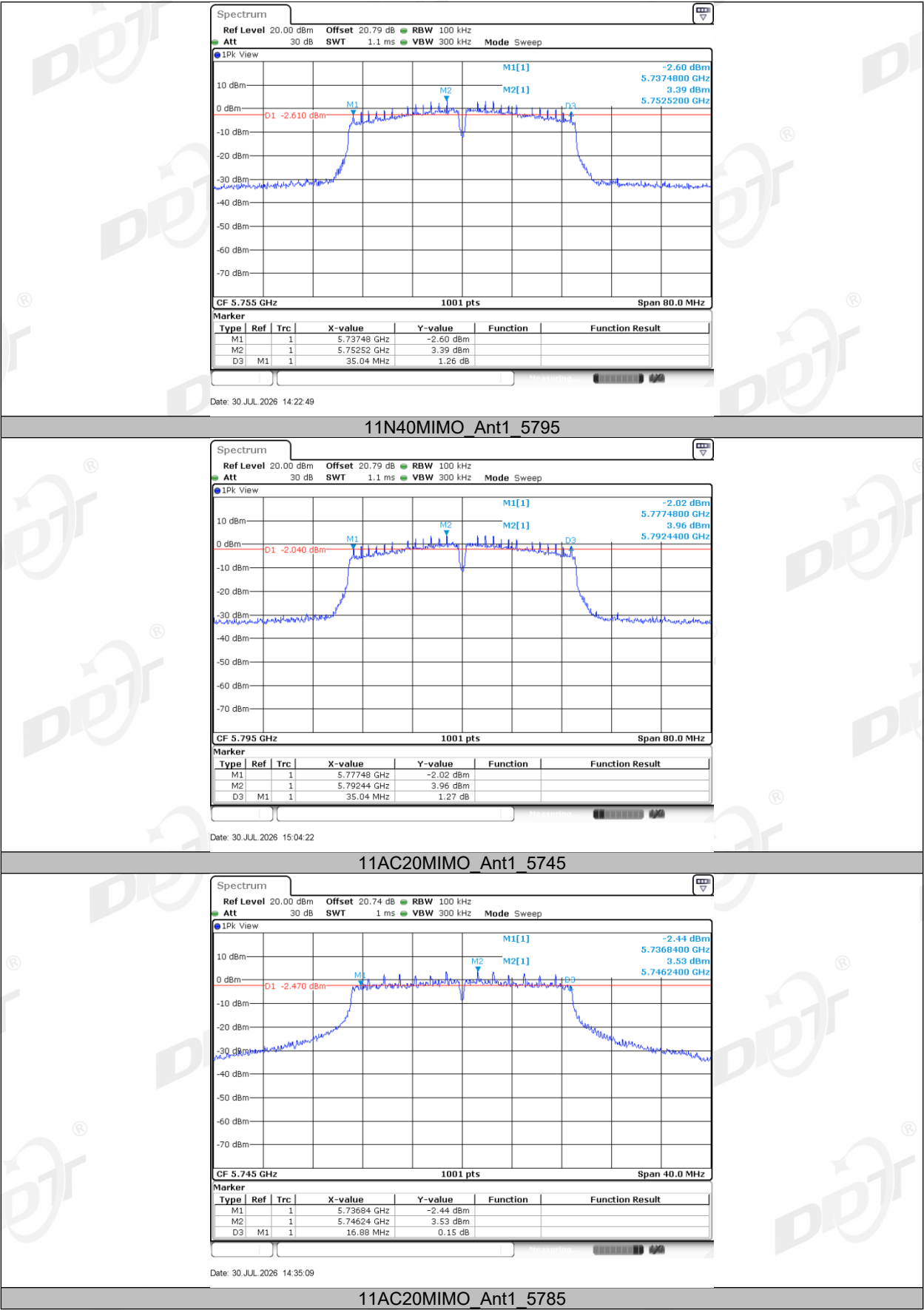
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 3#
Ambient Condition:	24℃,46%RH	Test Date:	2026.7.31-2026.9.1
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26081718-004

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.32	5736.84	5753.16	0.5	PASS
	Ant1	5785	16.08	5777.08	5793.16	0.5	PASS
	Ant1	5825	16.24	5816.88	5833.12	0.5	PASS
11N20MIMO	Ant1	5745	16.56	5736.84	5753.40	0.5	PASS
	Ant1	5785	16.92	5776.84	5793.76	0.5	PASS
	Ant1	5825	16.92	5816.84	5833.76	0.5	PASS
11N40MIMO	Ant1	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant1	5795	35.04	5777.48	5812.52	0.5	PASS
11AC20MIMO	Ant1	5745	16.88	5736.84	5753.72	0.5	PASS
	Ant1	5785	17.16	5776.56	5793.72	0.5	PASS
	Ant1	5825	16.64	5816.84	5833.48	0.5	PASS
11AC40MIMO	Ant1	5755	33.84	5738.68	5772.52	0.5	PASS
	Ant1	5795	35.12	5777.48	5812.60	0.5	PASS
11AC80MIMO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
11AX20MIMO	Ant1	5745	18.80	5735.60	5754.40	0.5	PASS
	Ant1	5785	18.76	5775.60	5794.36	0.5	PASS
	Ant1	5825	18.80	5815.60	5834.40	0.5	PASS
11AX40MIMO	Ant1	5755	35.76	5737.48	5773.24	0.5	PASS
	Ant1	5795	35.36	5777.48	5812.84	0.5	PASS
11AX80MIMO	Ant1	5775	75.36	5737.40	5812.76	0.5	PASS

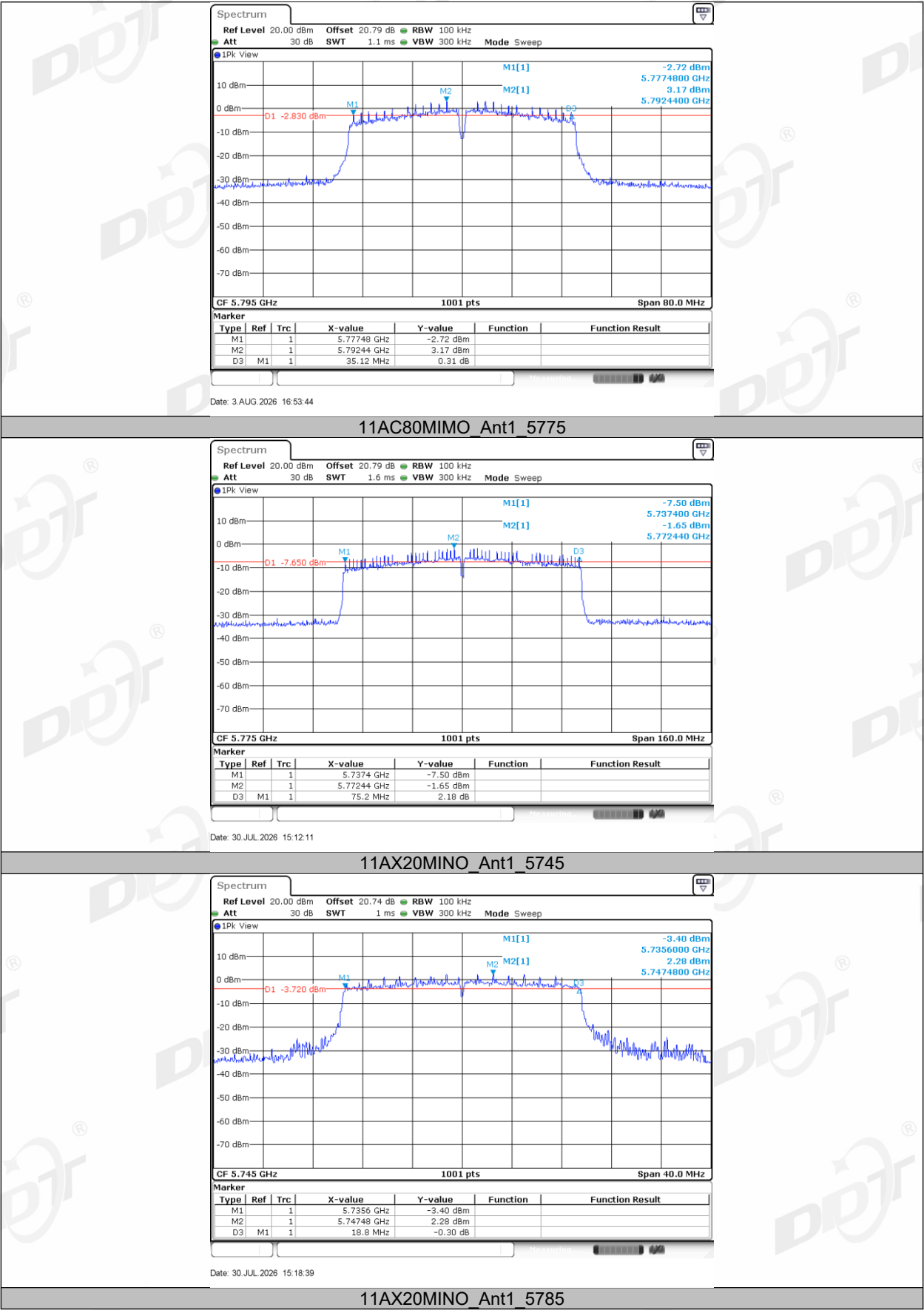
5.5. Test graphs B4

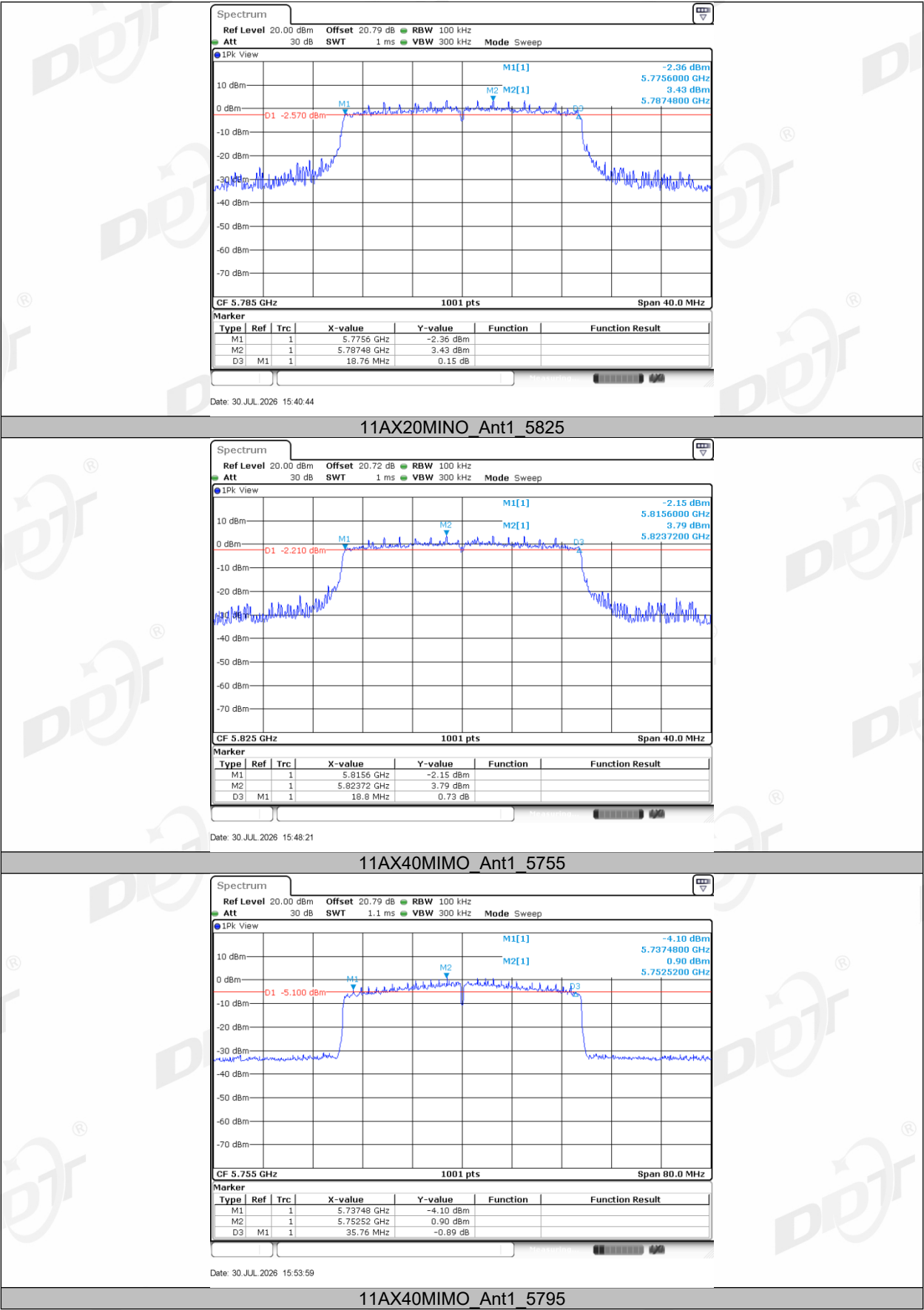


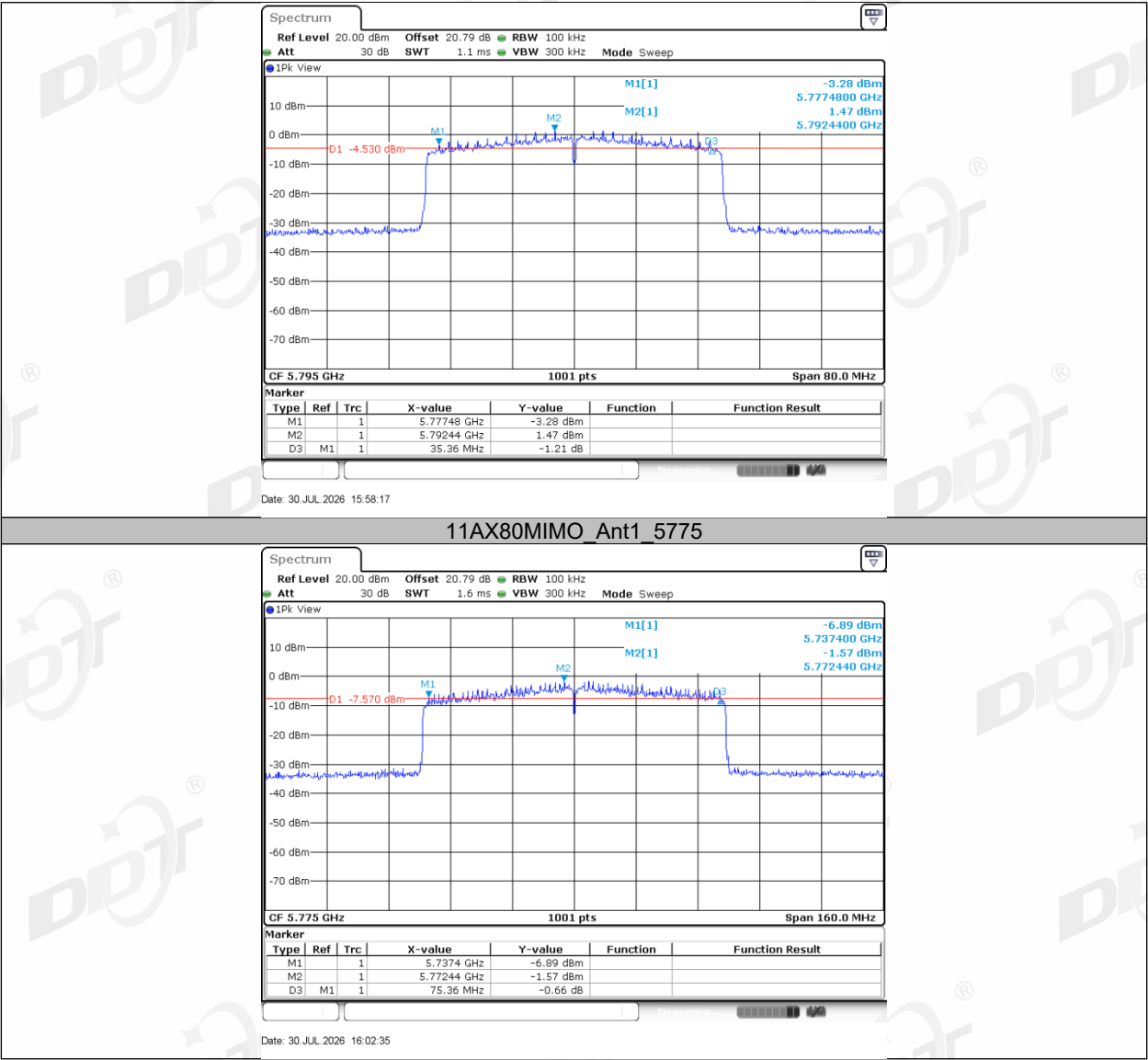






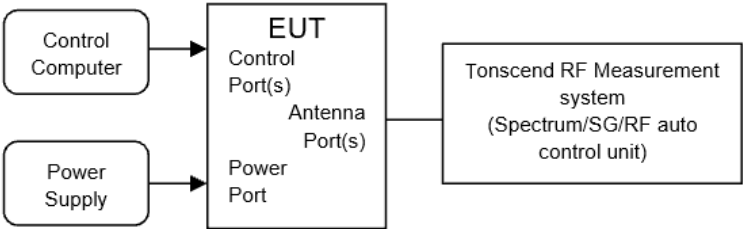






6. 99% Bandwidth

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

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

6.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 3#
Ambient Condition:	24℃,46%RH	Test Date:	2026.7.31-2026.9.1
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26081718-004

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.141	5170.2897	5189.4306	---	---
		5200	19.341	5190.2897	5209.6304	---	---
		5240	17.223	5231.3287	5248.5514	---	---
		5260	19.221	5250.3297	5269.5504	---	---
		5280	19.261	5270.2897	5289.5504	---	---
		5320	19.261	5310.2897	5329.5504	---	---
		5500	19.261	5490.2098	5509.4705	---	---
		5580	19.261	5570.2897	5589.5504	---	---
		5700	19.261	5690.2897	5709.5504	---	---
		5720	19.261	5710.2098	5729.4705	---	---
		5720_UNII-2C	14.79	5710.2098	5725	---	---
		5720_UNII-3	4.471	5725	5729.4705	---	---
		5745	19.221	5735.3696	5754.5904	---	---
		5785	19.381	5775.2897	5794.6703	---	---
		5825	19.301	5815.2897	5834.5904	---	---
11N20MIMO	Ant1	5180	19.740	5170.1299	5189.8701	---	---
		5200	19.780	5190.1299	5209.9101	---	---
		5240	17.982	5230.9690	5248.9510	---	---
		5260	19.860	5250.0500	5269.9101	---	---
		5280	19.980	5269.9700	5289.9500	---	---
		5320	19.820	5310.1299	5329.9500	---	---
		5500	19.860	5490.0500	5509.9101	---	---
		5580	19.900	5569.9301	5589.8302	---	---
		5700	19.860	5690.0899	5709.9500	---	---
		5720	19.900	5709.9301	5729.8302	---	---
		5720_UNII-2C	15.07	5709.9301	5725	---	---
		5720_UNII-3	4.83	5725	5729.8302	---	---
		5745	20.06	5735.01	5755.0699	---	---
		5785	20.14	5775.01	5795.1499	---	---
		5825	20.22	5814.9301	5835.1499	---	---
11N40MIMO	Ant1	5190	35.964	5172.0180	5207.9820	---	---
		5230	36.044	5211.9381	5247.9820	---	---
		5270	35.964	5252.0180	5287.9820	---	---
		5310	35.884	5292.0979	5327.9820	---	---
		5510	35.964	5492.0180	5527.9820	---	---
		5550	35.964	5532.0180	5567.9820	---	---
		5670	35.964	5651.9381	5687.9021	---	---
		5710	36.044	5691.9381	5727.9820	---	---
		5710_UNII-2C	33.062	5691.9381	5725	---	---
		5710_UNII-3	2.982	5725	5727.9820	---	---
		5755	36.044	5737.018	5773.0619	---	---
		5795	36.044	5777.018	5813.0619	---	---
		5180	19.820	5170.0100	5189.8302	---	---
		5200	19.900	5190.0500	5209.9500	---	---
		5240	17.982	5230.9690	5248.9510	---	---
11AC20MIMO	Ant1	5260	19.740	5250.1299	5269.8701	---	---
		5280	19.820	5270.1299	5289.9500	---	---
		5320	19.900	5310.0500	5329.9500	---	---
		5500	19.900	5490.0100	5509.9101	---	---
		5580	19.780	5570.0500	5589.8302	---	---
		5700	19.940	5690.0100	5709.9500	---	---
		5720	19.820	5710.0100	5729.8302	---	---
		5720_UNII-2C	14.99	5710.0100	5725	---	---
		5720_UNII-3	4.83	5725	5729.8302	---	---
		5745	19.78	5735.1698	5754.95	---	---

11AC40MIMO	Ant1	5785	19.78	5775.1698	5794.95	---	---
		5825	19.82	5815.1299	5834.95	---	---
		5190	35.884	5172.0180	5207.9021	---	---
		5230	35.884	5212.0180	5247.9021	---	---
		5270	35.804	5252.0979	5287.9021	---	---
		5310	35.804	5292.0979	5327.9021	---	---
		5510	35.884	5492.0180	5527.9021	---	---
		5550	35.884	5532.0180	5567.9021	---	---
		5670	35.884	5652.0180	5687.9021	---	---
		5710	35.884	5692.0180	5727.9021	---	---
		5710 UNII-2C	32.982	5692.0180	5725	---	---
		5710 UNII-3	2.902	5725	5727.9021	---	---
		5755	35.884	5737.0979	5772.982	---	---
		5795	35.884	5777.0979	5812.982	---	---
11AC80MIMO	Ant1	5210	75.445	5172.2777	5247.7223	---	---
		5290	75.285	5252.4376	5327.7223	---	---
		5530	75.285	5492.2777	5567.5624	---	---
		5610	75.445	5572.2777	5647.7223	---	---
		5690	75.285	5652.2777	5727.5624	---	---
		5690 UNII-2C	72.722	5652.2777	5725	---	---
		5690 UNII-3	2.562	5725	5727.5624	---	---
		5775	75.125	5737.5974	5812.7223	---	---
11AX20MIMO	Ant1	5180	19.341	5170.2897	5189.6304	---	---
		5200	19.421	5190.2498	5209.6703	---	---
		5240	18.901	5230.5295	5249.4306	---	---
		5260	19.381	5250.2897	5269.6703	---	---
		5280	19.421	5270.2498	5289.6703	---	---
		5320	19.381	5310.2897	5329.6703	---	---
		5500	19.421	5490.2098	5509.6304	---	---
		5580	19.461	5570.2098	5589.6703	---	---
		5700	19.381	5690.2498	5709.6304	---	---
		5720	19.461	5710.2098	5729.6703	---	---
		5720 UNII-2C	14.79	5710.2098	5725	---	---
		5720 UNII-3	4.67	5725	5729.6703	---	---
		5745	19.461	5735.3297	5754.7902	---	---
		5785	19.421	5775.2897	5794.7103	---	---
11AX40MIMO	Ant1	5190	37.642	5171.1389	5208.7812	---	---
		5230	37.642	5211.2188	5248.8611	---	---
		5270	37.722	5251.1389	5288.8611	---	---
		5310	37.562	5291.2188	5328.7812	---	---
		5510	37.642	5491.1389	5528.7812	---	---
		5550	37.642	5531.1389	5568.7812	---	---
		5670	37.642	5651.1389	5688.7812	---	---
		5710	37.642	5691.1389	5728.7812	---	---
		5710 UNII-2C	33.861	5691.1389	5725	---	---
		5710 UNII-3	3.781	5725	5728.7812	---	---
		5755	37.642	5736.2188	5773.8611	---	---
		5795	37.642	5776.2188	5813.8611	---	---
11AX80MIMO	Ant1	5210	77.043	5171.4785	5248.5215	---	---
		5290	77.203	5251.4785	5328.6813	---	---
		5530	77.363	5491.3187	5568.6813	---	---
		5610	77.043	5571.4785	5648.5215	---	---
		5690	76.883	5651.4785	5728.3616	---	---
		5690 UNII-2C	73.521	5651.4785	5725	---	---
		5690 UNII-3	3.362	5725	5728.3616	---	---
		5775	77.203	5736.4785	5813.6813	---	---

6.5. Test graphs

