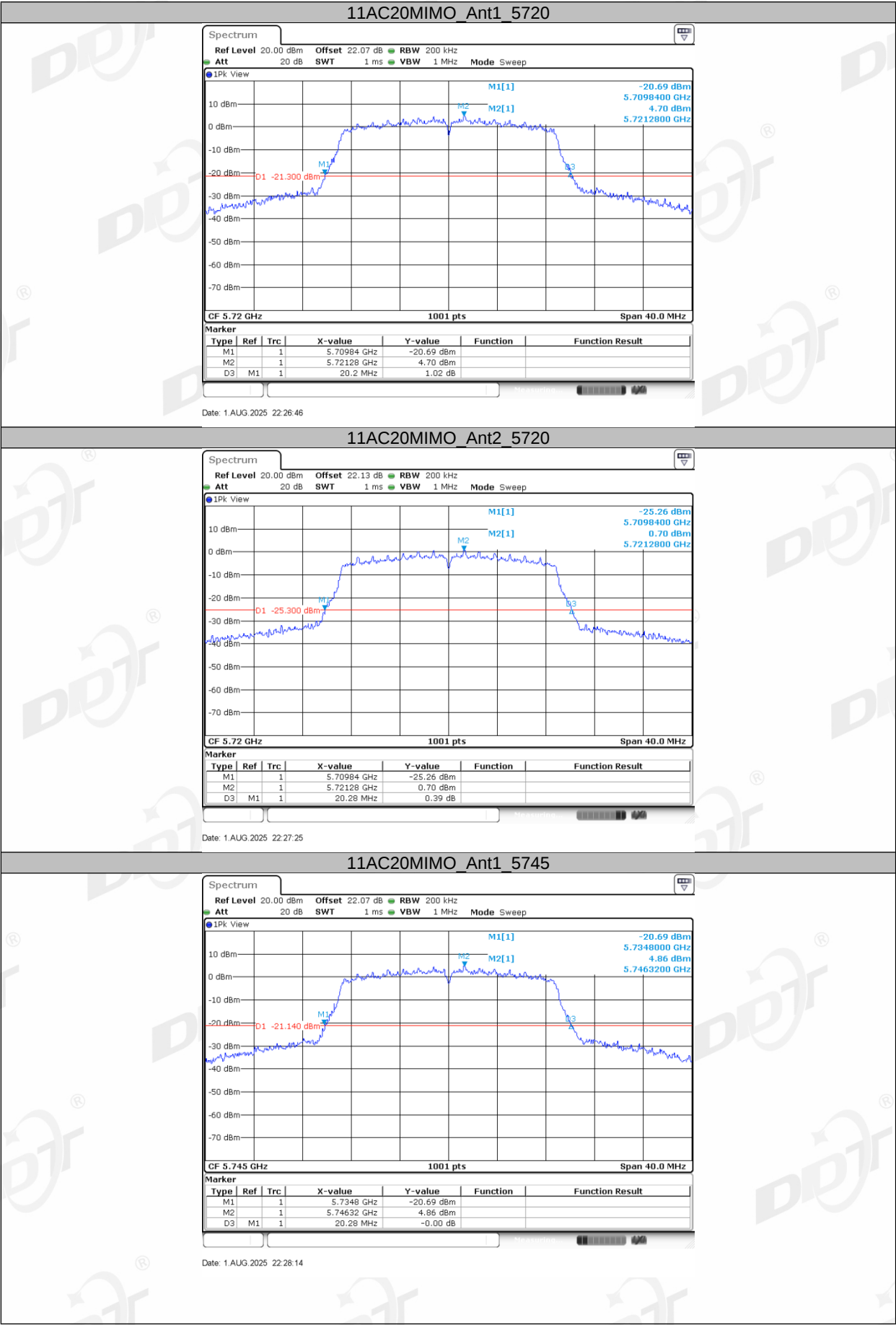
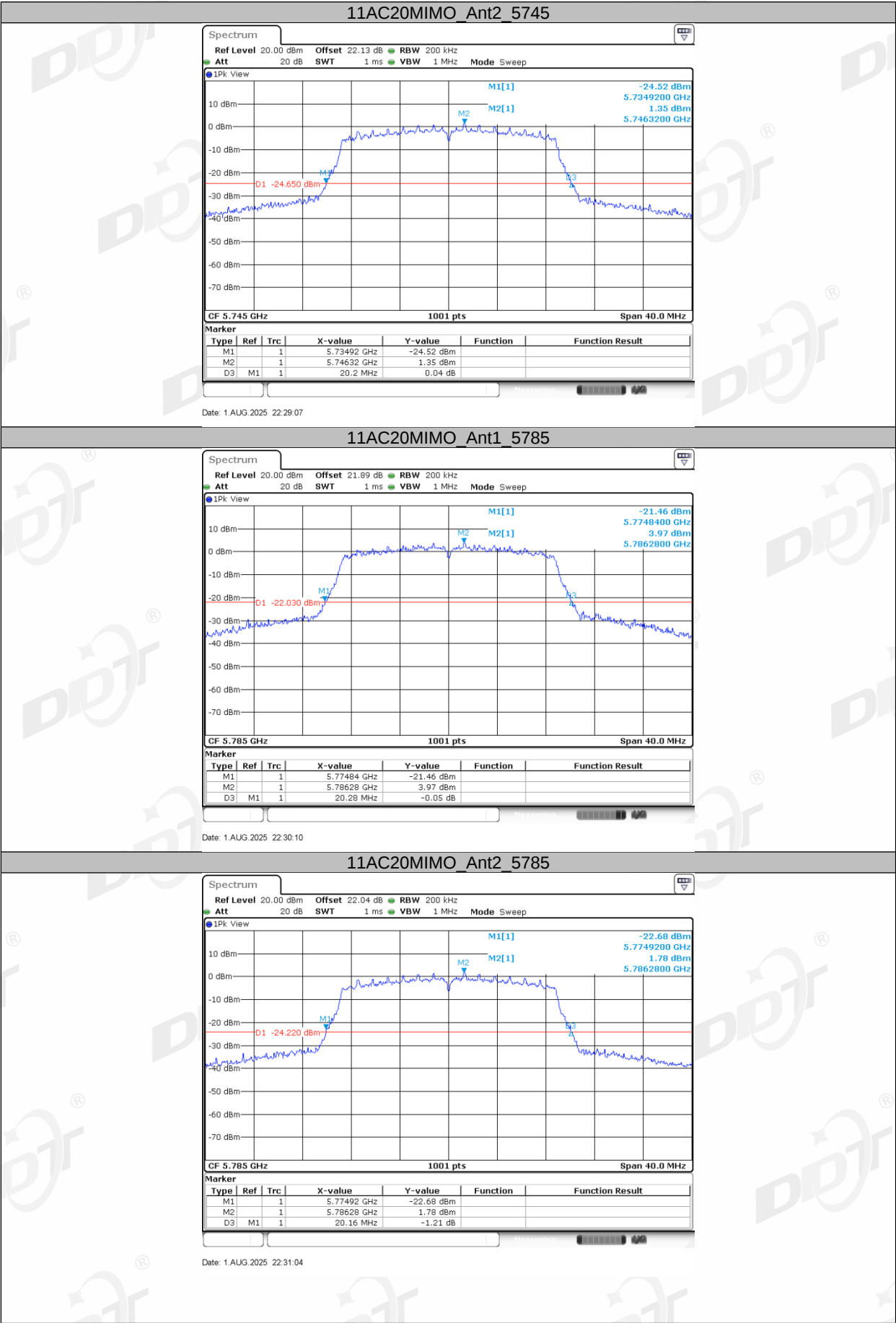
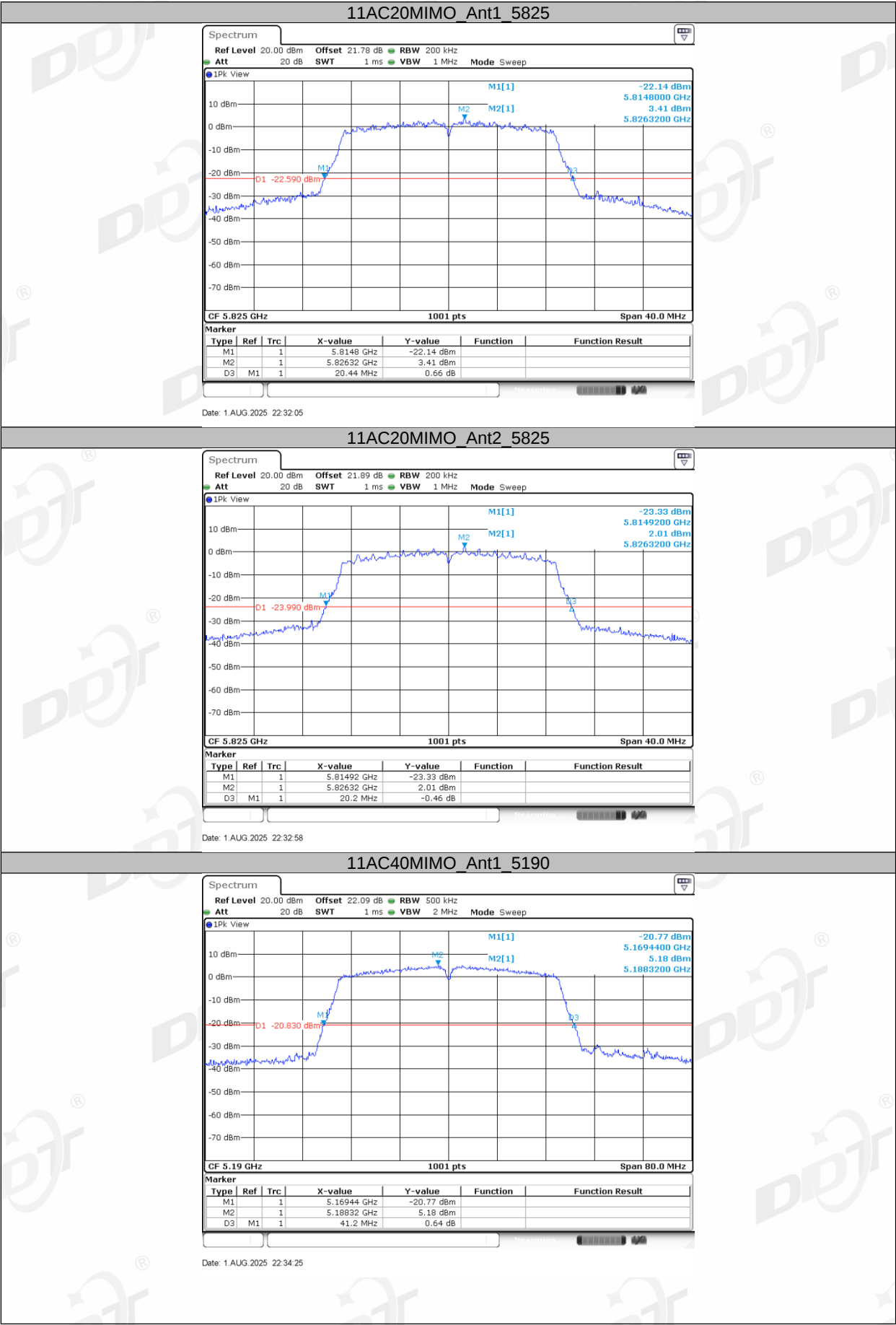
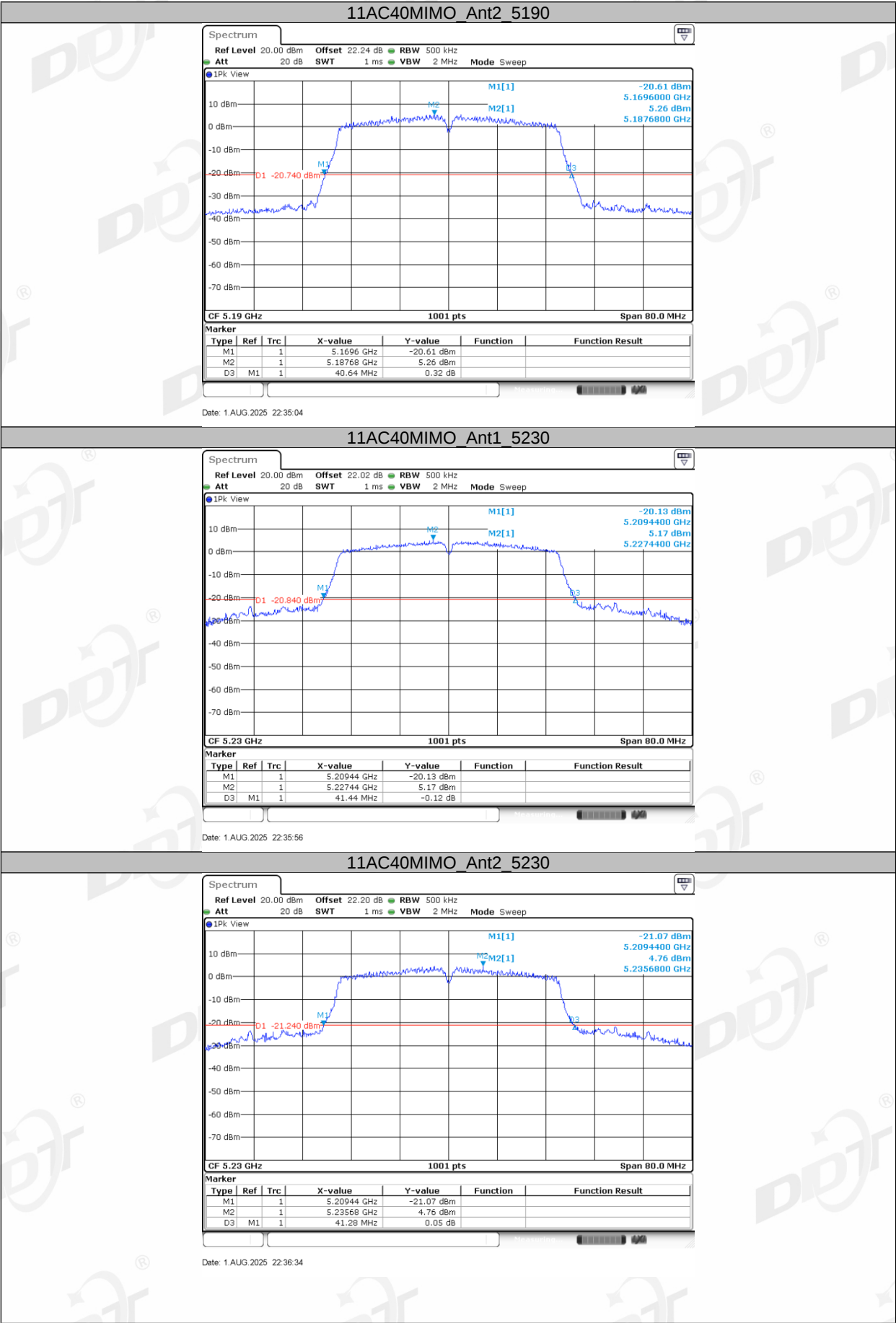
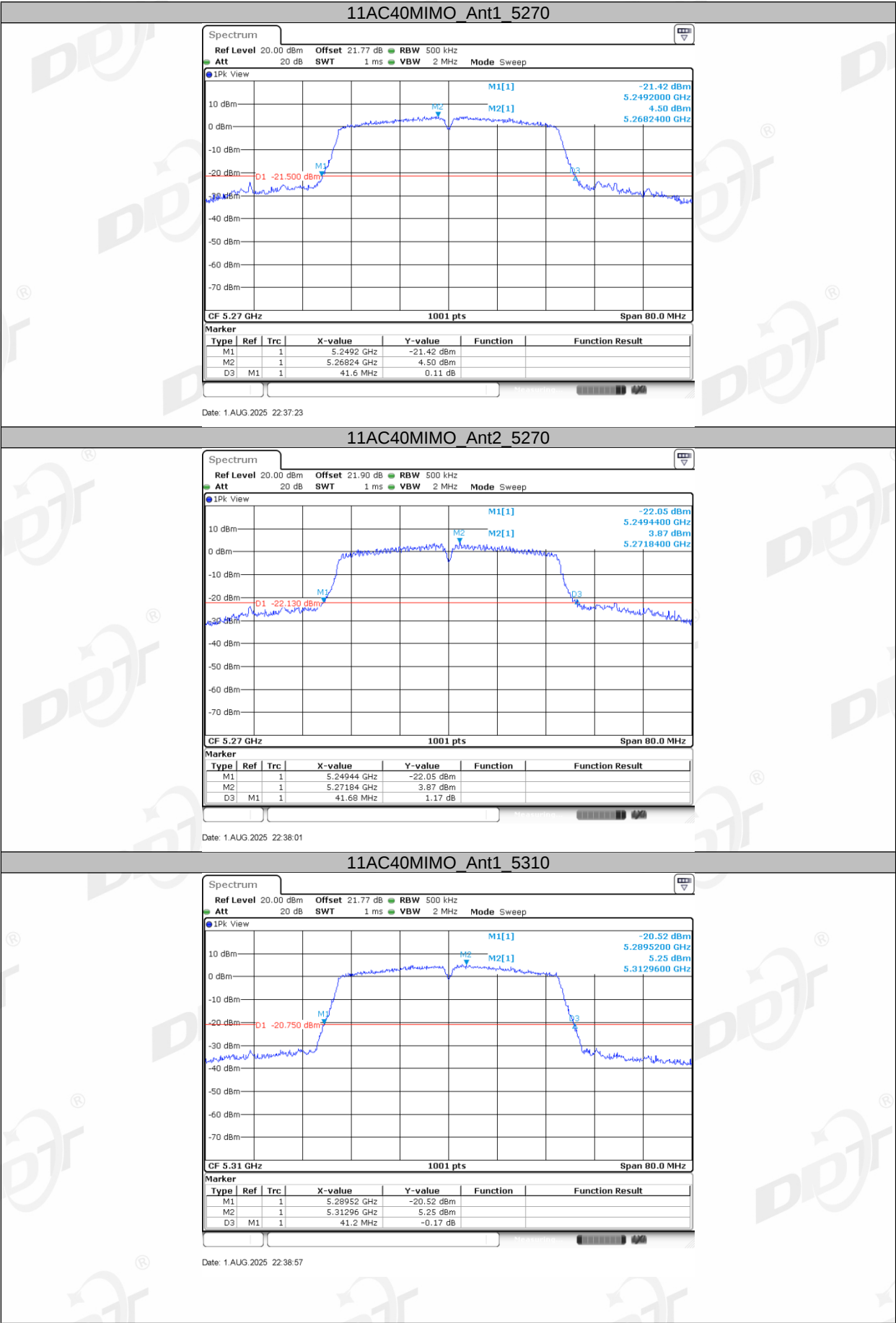




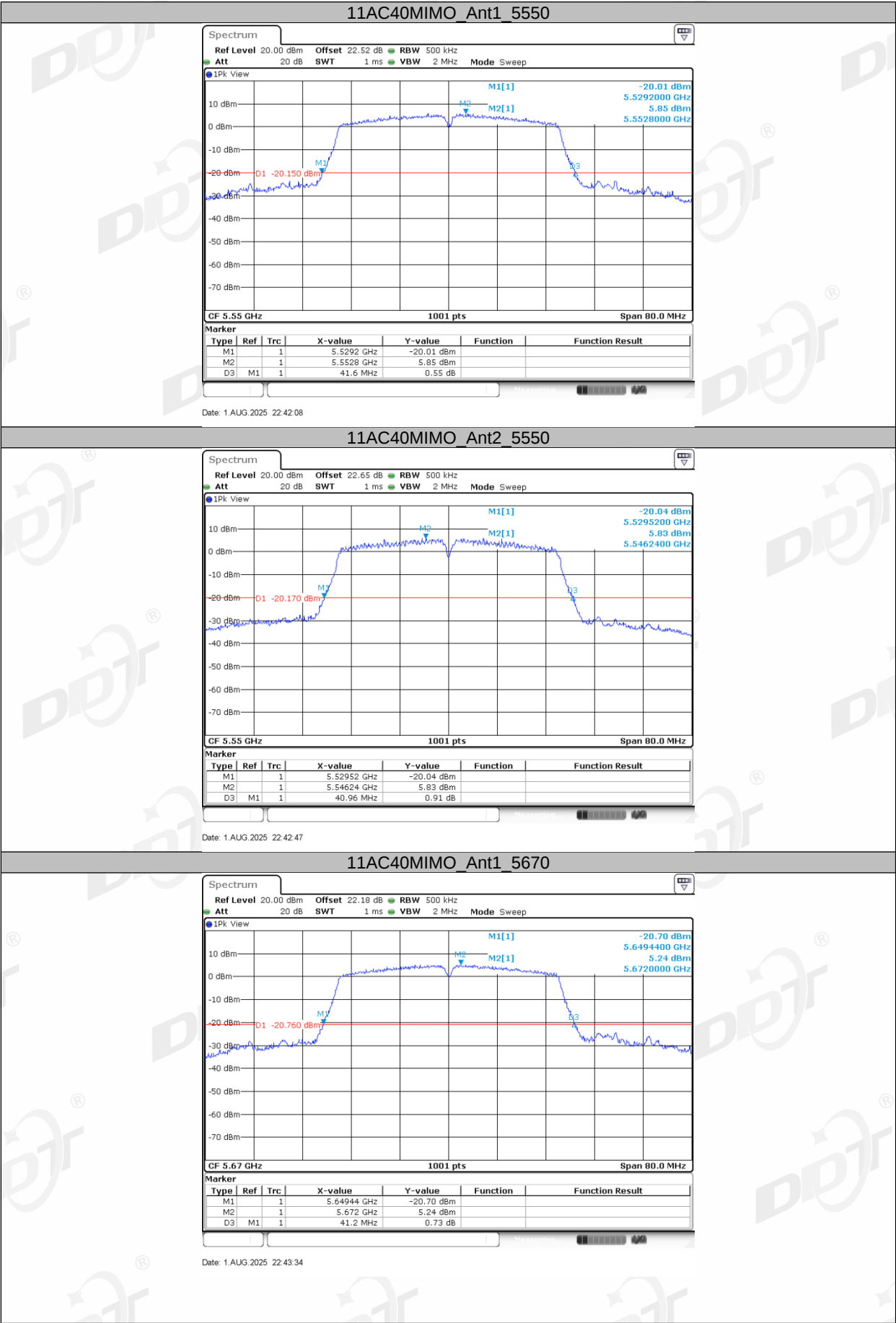








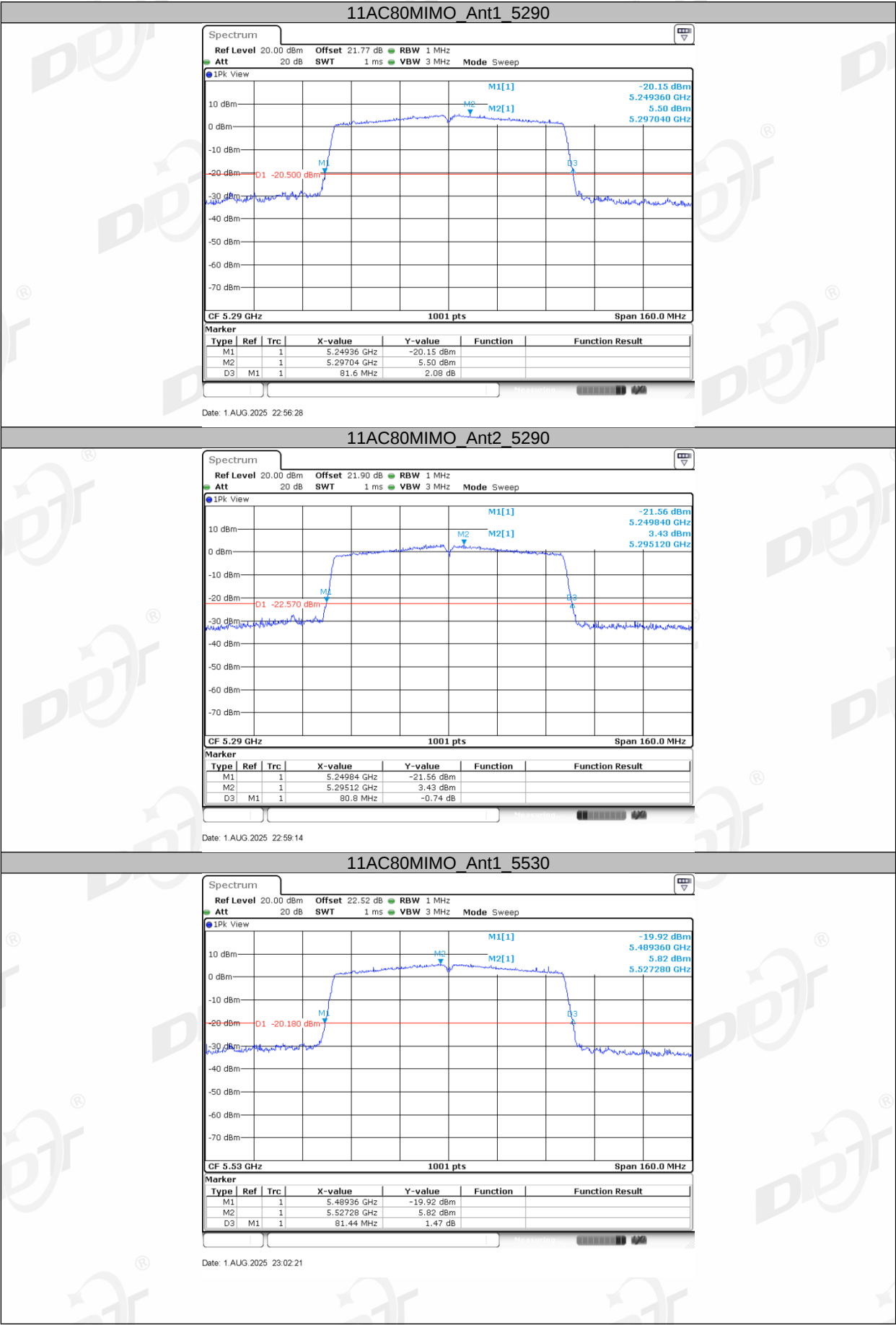






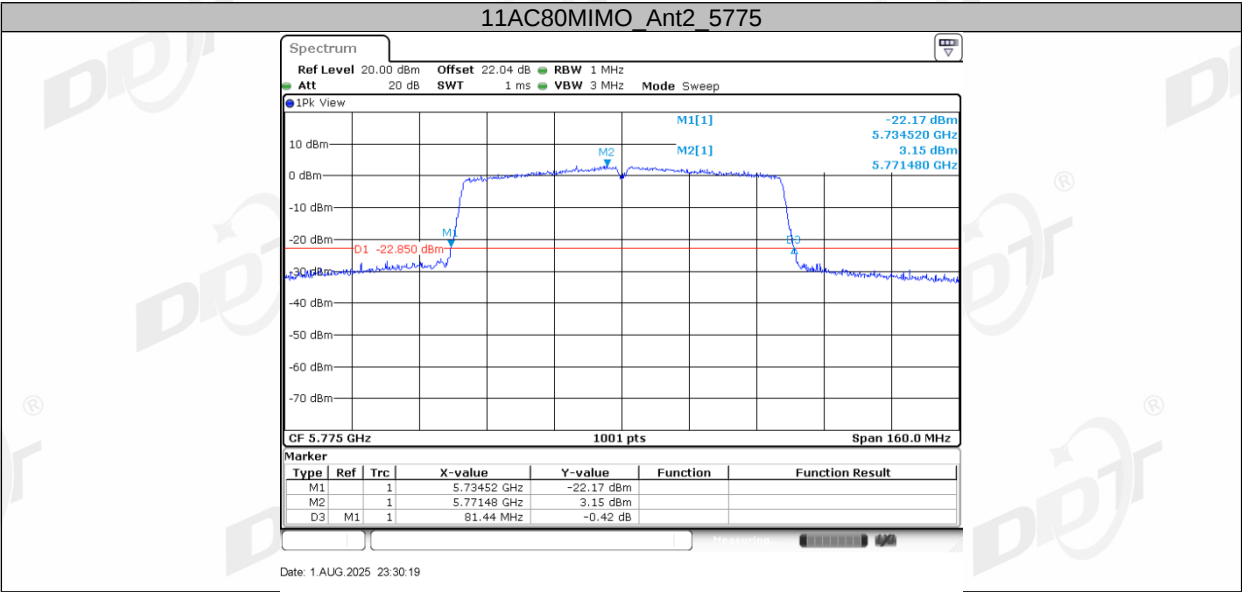






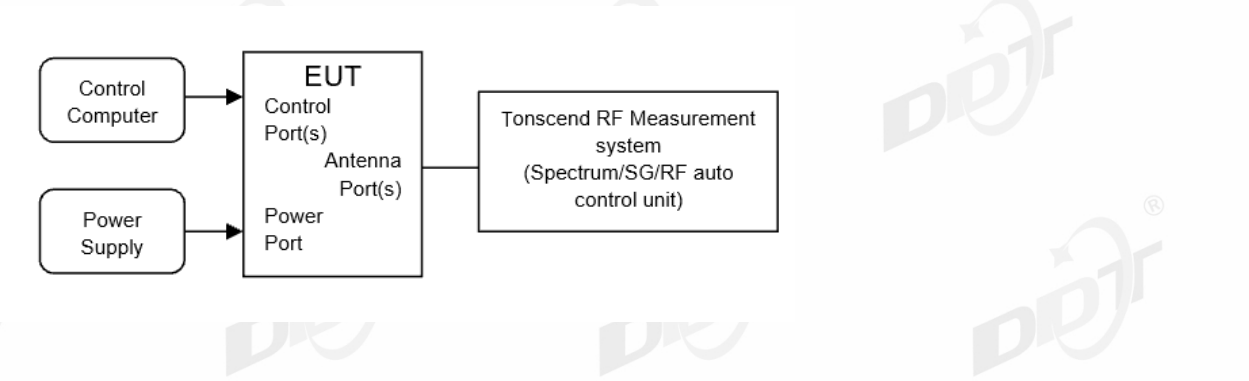






5. 6dB Bandwidth

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.

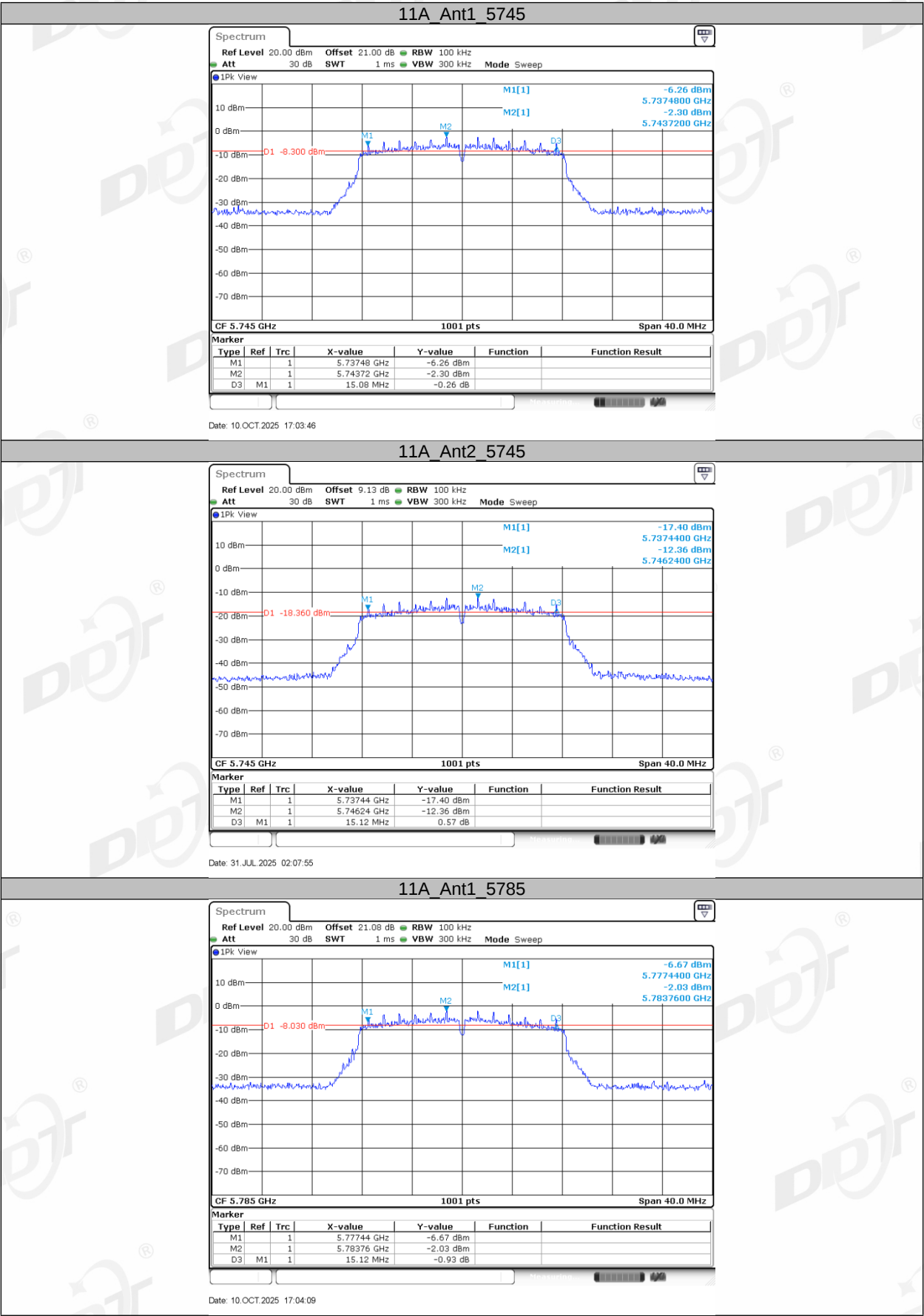
5.4. Test result B4

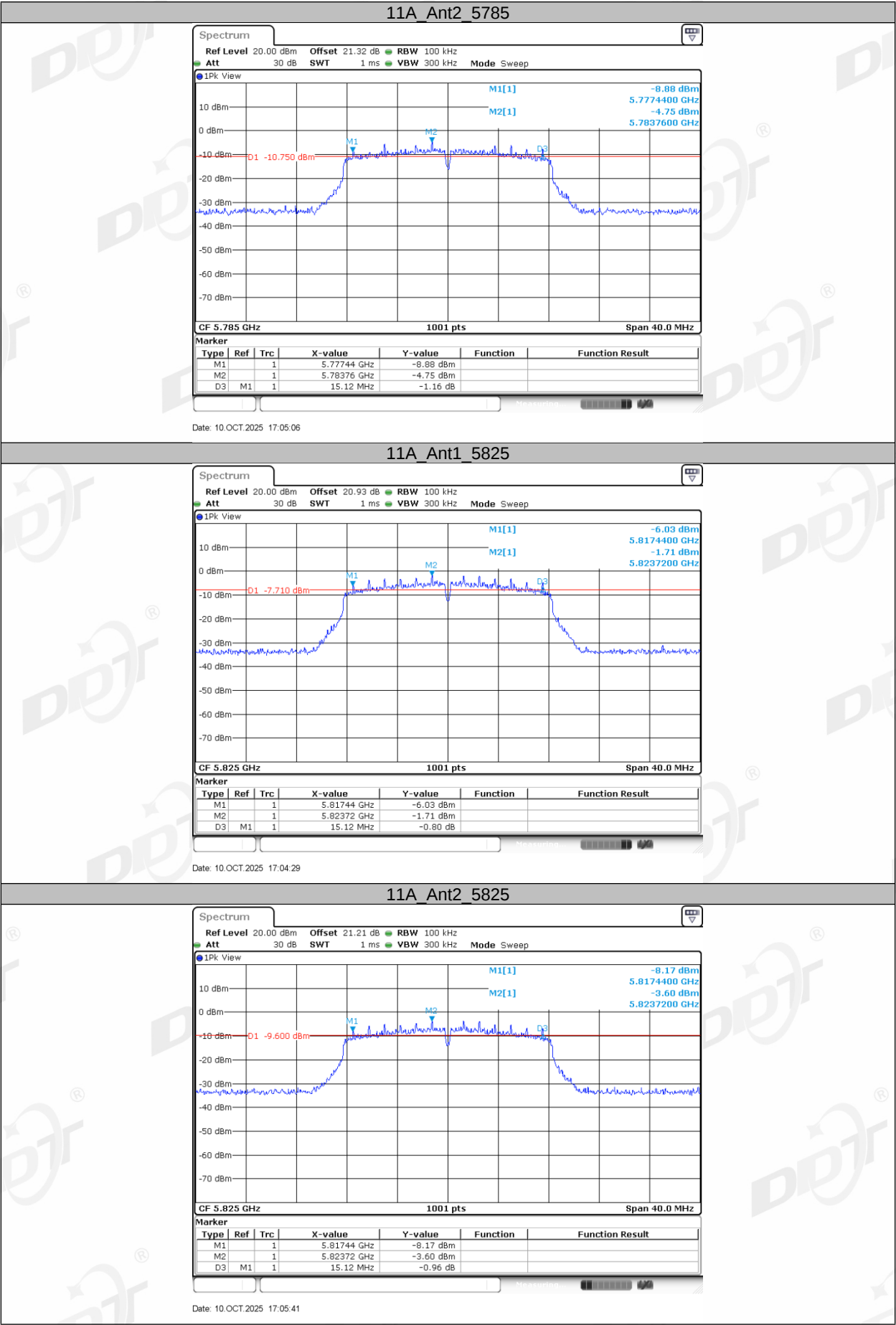
Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	25.4-26.5℃, 39.5-44.5%RH	Test Date:	2025.07.31-2025.10.10
Test Power Supply:	AC 120V	Sample Number:	S25070114-001

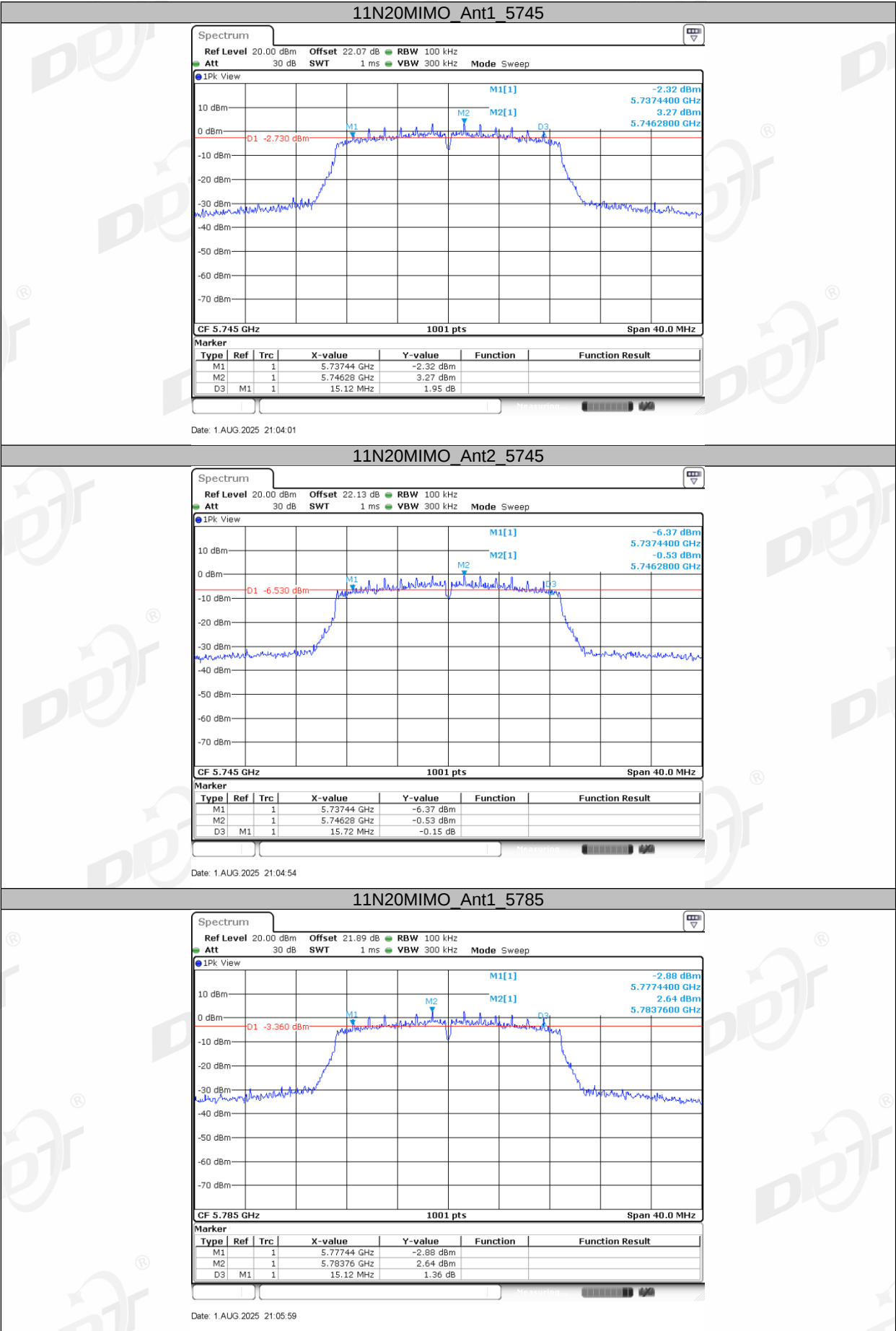
Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	15.08	5737.48	5752.56	0.5	PASS
	Ant2	5745	15.12	5737.44	5752.56	0.5	PASS
	Ant1	5785	15.12	5777.44	5792.56	0.5	PASS
	Ant2	5785	15.12	5777.44	5792.56	0.5	PASS
	Ant1	5825	15.12	5817.44	5832.56	0.5	PASS
	Ant2	5825	15.12	5817.44	5832.56	0.5	PASS
11N20MIMO	Ant1	5745	15.12	5737.44	5752.56	0.5	PASS
	Ant2	5745	15.72	5737.44	5753.16	0.5	PASS
	Ant1	5785	15.12	5777.44	5792.56	0.5	PASS
	Ant2	5785	15.12	5777.44	5792.56	0.5	PASS
	Ant1	5825	15.12	5817.44	5832.56	0.5	PASS
	Ant2	5825	16.32	5816.84	5833.16	0.5	PASS
11N40MIMO	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant2	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant1	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
11AC20MIMO	Ant1	5745	15.12	5737.44	5752.56	0.5	PASS
	Ant2	5745	15.16	5737.44	5752.60	0.5	PASS
	Ant1	5785	15.40	5777.16	5792.56	0.5	PASS

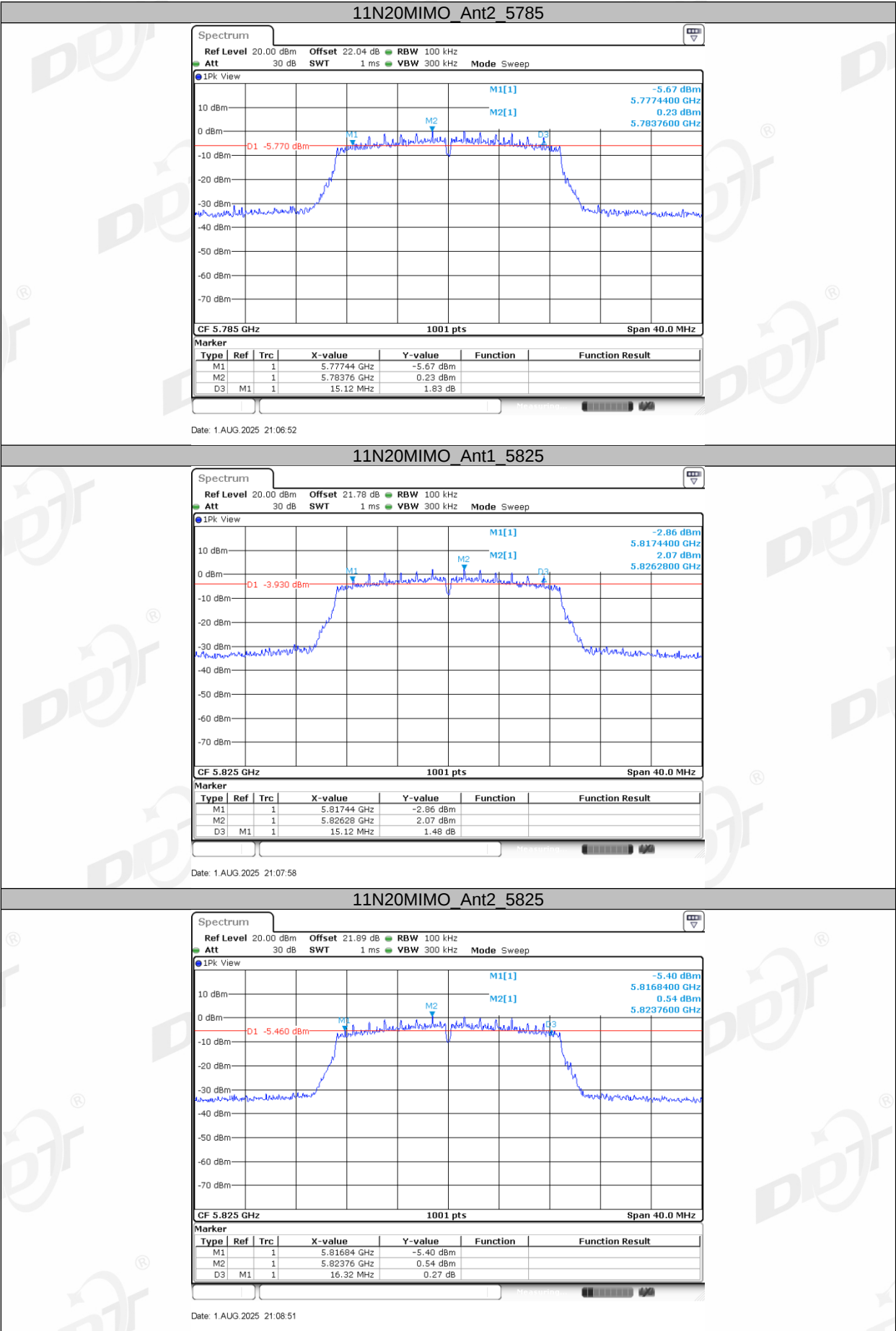
	Ant2	5785	16.36	5777.44	5793.80	0.5	PASS
	Ant1	5825	15.12	5817.44	5832.56	0.5	PASS
	Ant2	5825	15.68	5816.88	5832.56	0.5	PASS
11AC40MIM O	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant2	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant1	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
11AC80MIM O	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS

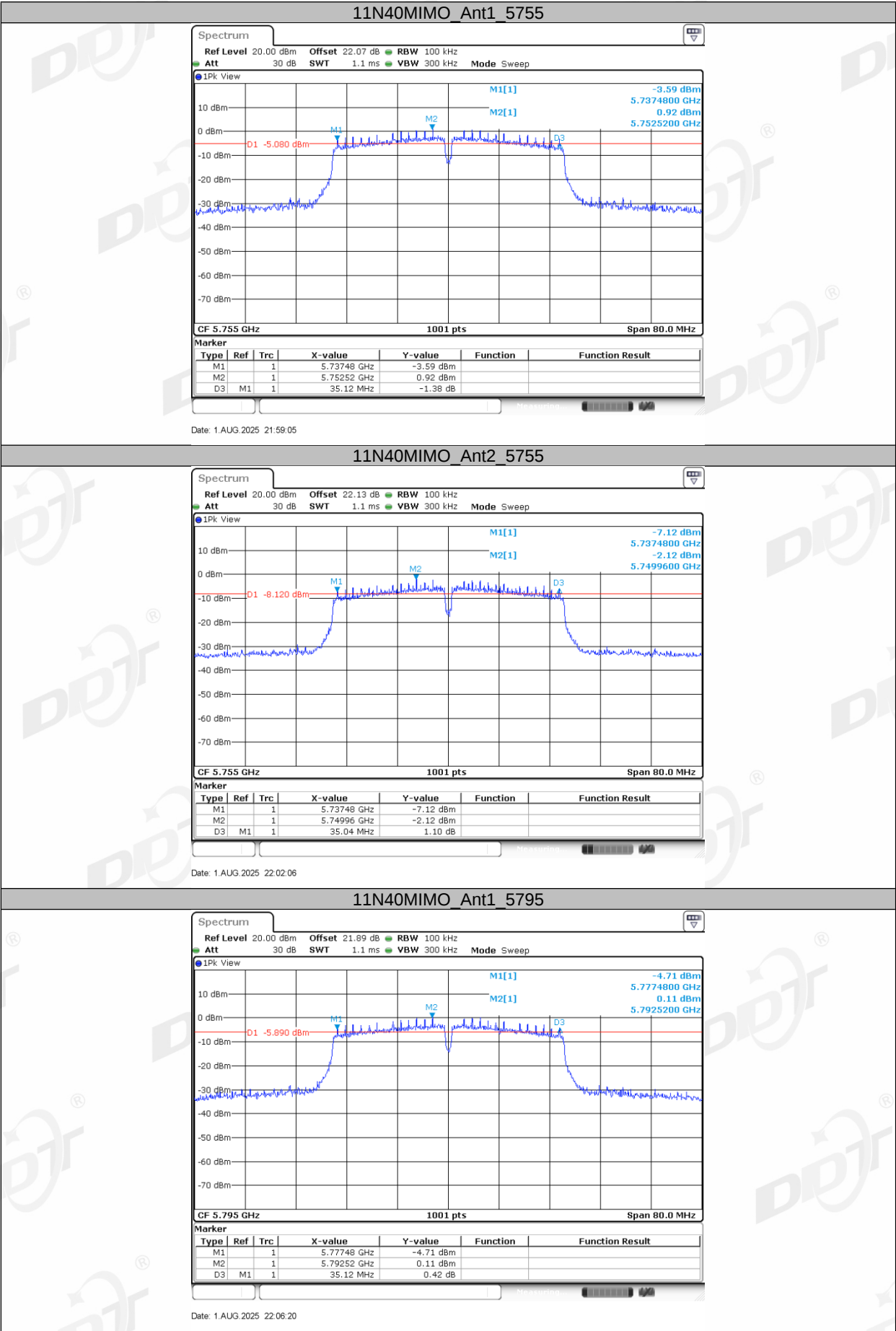
5.5. Test graphs B4

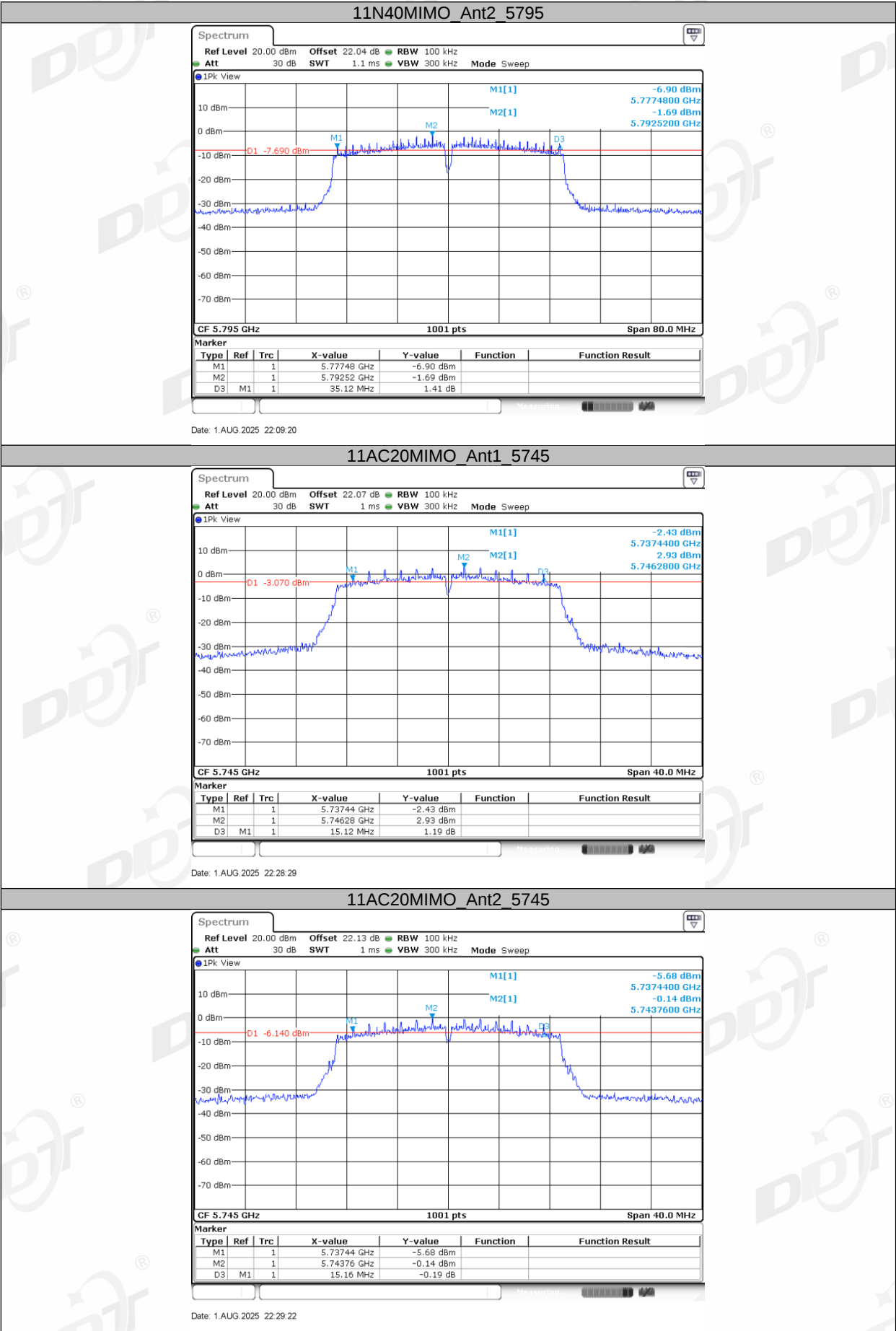


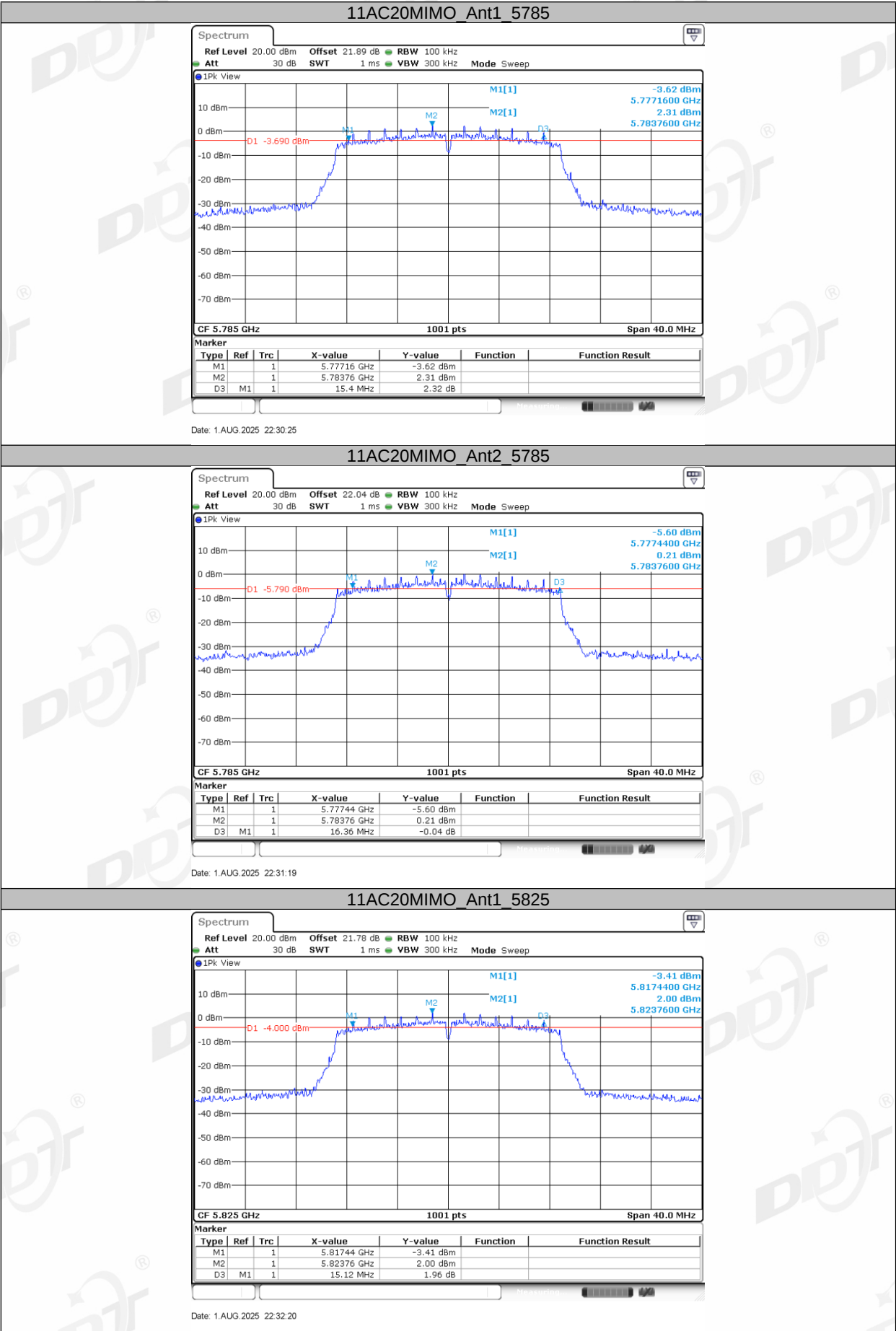


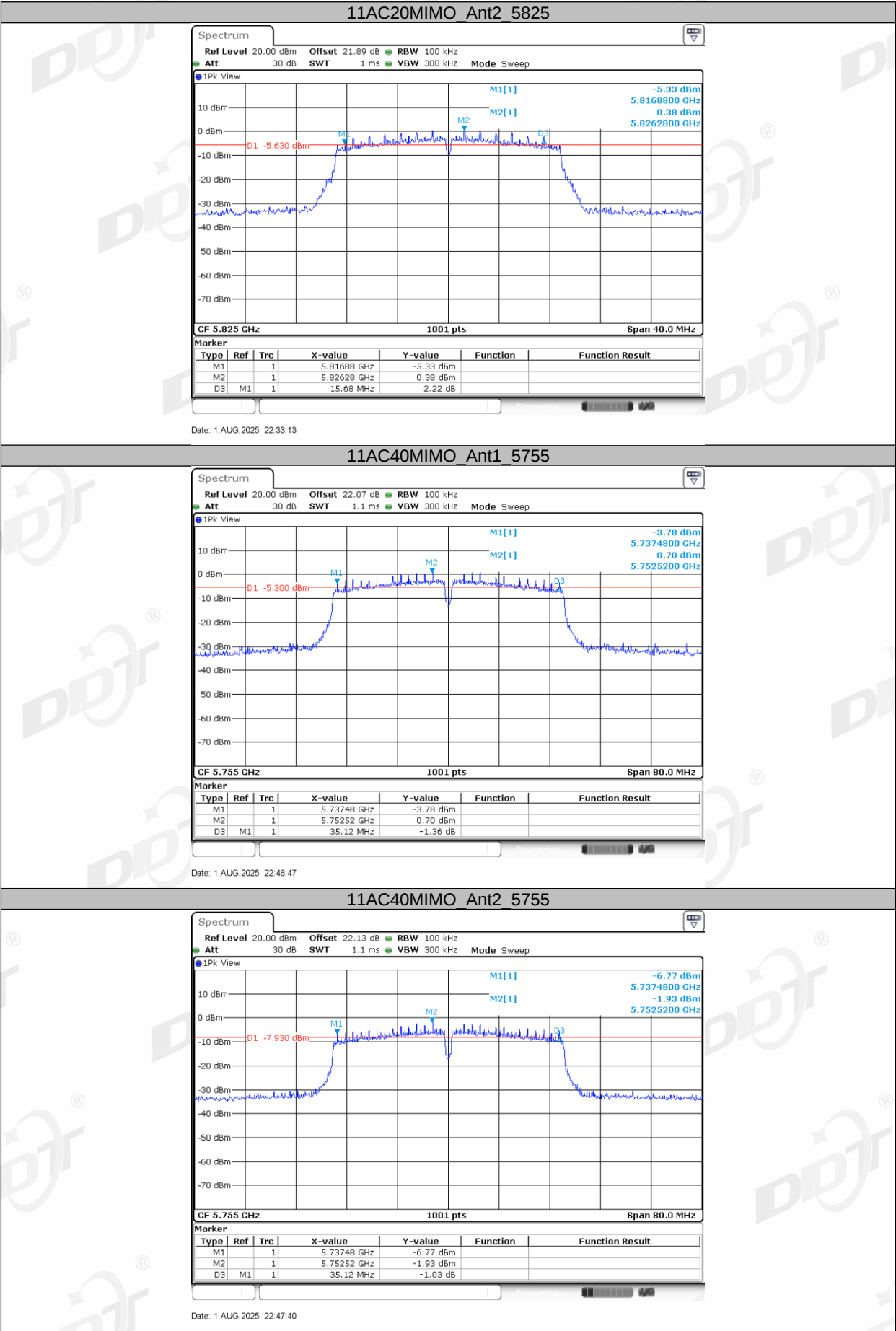


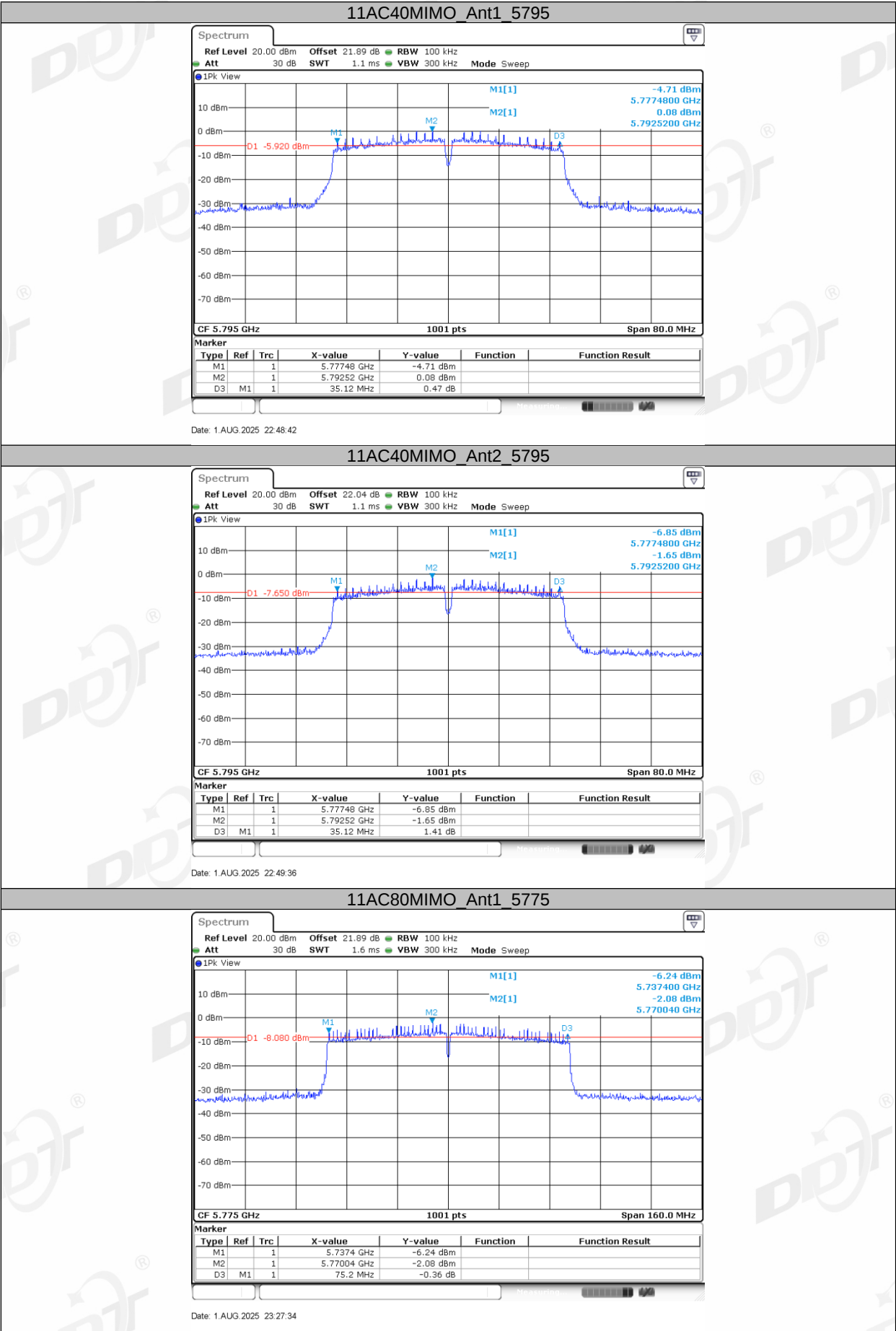


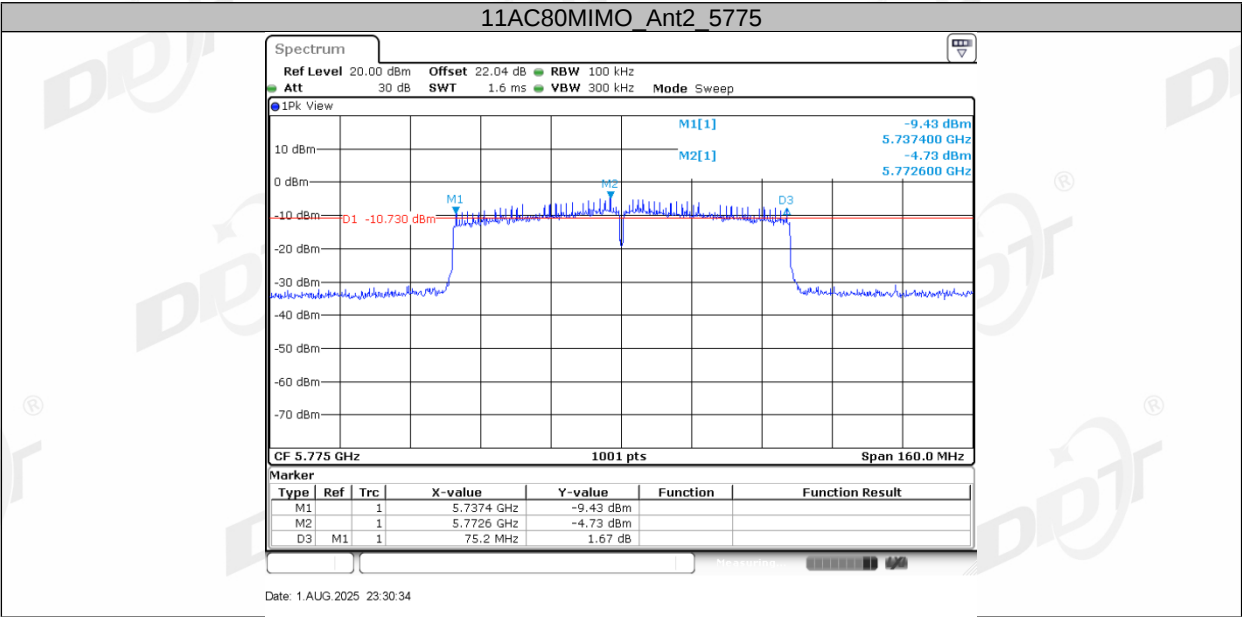






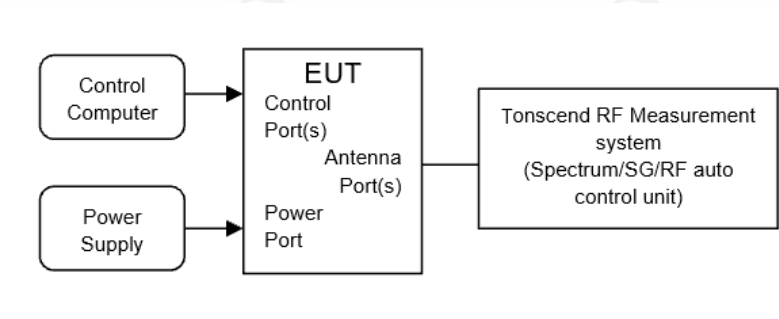






6. 99% Bandwidth

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:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	25.4-26.5℃, 39.5-44.5%RH	Test Date:	2025.07.31-2025.09.01
Test Power Supply:	AC 120V	Sample Number:	S25070114-001

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	17.103	5171.4486	5188.5514	---	---
	Ant2	5180	17.143	5171.4086	5188.5514	---	---
	Ant1	5200	17.263	5191.3686	5208.6314	---	---
	Ant2	5200	17.502	5191.2488	5208.7512	---	---
	Ant1	5240	17.263	5231.3686	5248.6314	---	---
	Ant2	5240	17.542	5231.2488	5248.7912	---	---
	Ant1	5260	17.223	5251.3686	5268.5914	---	---
	Ant2	5260	17.622	5251.2088	5268.8312	---	---
	Ant1	5280	17.183	5271.4086	5288.5914	---	---
	Ant2	5280	17.502	5271.2887	5288.7912	---	---
	Ant1	5320	17.143	5311.4486	5328.5914	---	---
	Ant2	5320	17.103	5311.4486	5328.5514	---	---
	Ant1	5500	17.103	5491.4486	5508.5514	---	---
	Ant2	5500	17.183	5491.3686	5508.5514	---	---
	Ant1	5580	17.183	5571.3686	5588.5514	---	---
	Ant2	5580	17.183	5571.3287	5588.5115	---	---
	Ant1	5700	17.183	5691.4086	5708.5914	---	---
	Ant2	5700	17.223	5691.4086	5708.6314	---	---
	Ant1	5720	17.223	5711.3686	5728.5914	---	---
	Ant2	5720	17.263	5711.3686	5728.6314	---	---
	Ant1	5720_UNII-2C	13.631	5711.3686	5725	---	---
	Ant2	5720_UNII-2C	13.631	5711.3686	5725	---	---
	Ant1	5720_UNII-3	3.591	5725	5728.5914	---	---
	Ant2	5720_UNII-3	3.631	5725	5728.6314	---	---

	Ant1	5745	17.223	5736.3686	5753.5914	---	---
	Ant2	5745	17.223	5736.4086	5753.6314	---	---
	Ant1	5785	17.223	5776.3686	5793.5914	---	---
	Ant2	5785	17.223	5776.4086	5793.6314	---	---
	Ant1	5825	17.183	5816.4086	5833.5914	---	---
	Ant2	5825	17.223	5816.3287	5833.5514	---	---
11N20MIMO	Ant1	5180	17.982	5171.0090	5188.9910	---	---
	Ant2	5180	17.822	5171.0889	5188.9111	---	---
	Ant1	5200	18.142	5190.9291	5209.0709	---	---
	Ant2	5200	17.902	5191.0490	5208.9510	---	---
	Ant1	5240	18.142	5230.9291	5249.0709	---	---
	Ant2	5240	17.902	5231.0490	5248.9510	---	---
	Ant1	5260	18.102	5250.9690	5269.0709	---	---
	Ant2	5260	17.942	5251.0490	5268.9910	---	---
	Ant1	5280	18.102	5270.9690	5289.0709	---	---
	Ant2	5280	17.902	5271.0490	5288.9510	---	---
	Ant1	5320	17.982	5311.0090	5328.9910	---	---
	Ant2	5320	17.742	5311.1289	5328.8711	---	---
	Ant1	5500	18.022	5491.0090	5509.0310	---	---
	Ant2	5500	17.742	5491.1289	5508.8711	---	---
	Ant1	5580	18.062	5570.9690	5589.0310	---	---
	Ant2	5580	17.782	5571.0889	5588.8711	---	---
	Ant1	5700	18.062	5691.0090	5709.0709	---	---
	Ant2	5700	17.822	5691.0889	5708.9111	---	---
	Ant1	5720	18.102	5710.9291	5729.0310	---	---
	Ant2	5720	17.822	5711.0889	5728.9111	---	---
	Ant1	5720_UNII-2C	14.071	5710.9291	5725	---	---
	Ant2	5720_UNII-2C	13.911	5711.0889	5725	---	---
	Ant1	5720_UNII-3	4.031	5725	5729.0310	---	---
	Ant2	5720_UNII-3	3.911	5725	5728.9111	---	---

	Ant1	5745	18.102	5735.9291	5754.0310	---	---
	Ant2	5745	17.782	5736.1289	5753.9111	---	---
	Ant1	5785	18.102	5775.9690	5794.0709	---	---
	Ant2	5785	17.782	5776.1289	5793.9111	---	---
	Ant1	5825	18.102	5815.9690	5834.0709	---	---
	Ant2	5825	17.782	5816.1289	5833.9111	---	---
11N40MIMO	Ant1	5190	36.284	5171.8581	5208.1419	---	---
	Ant2	5190	36.284	5171.8581	5208.1419	---	---
	Ant1	5230	36.523	5211.7782	5248.3017	---	---
	Ant2	5230	36.603	5211.6983	5248.3017	---	---
	Ant1	5270	36.444	5251.7782	5288.2218	---	---
	Ant2	5270	36.603	5251.7782	5288.3816	---	---
	Ant1	5310	36.364	5291.8581	5328.2218	---	---
	Ant2	5310	36.284	5291.8581	5328.1419	---	---
	Ant1	5510	36.364	5491.8581	5528.2218	---	---
	Ant2	5510	36.204	5491.9381	5528.1419	---	---
	Ant1	5550	36.444	5531.7782	5568.2218	---	---
	Ant2	5550	36.364	5531.7782	5568.1419	---	---
	Ant1	5670	36.523	5651.7782	5688.3017	---	---
	Ant2	5670	36.444	5651.7782	5688.2218	---	---
	Ant1	5710	36.523	5691.7782	5728.3017	---	---
	Ant2	5710	36.364	5691.8581	5728.2218	---	---
	Ant1	5710_UNII-2C	33.222	5691.7782	5725	---	---
	Ant2	5710_UNII-2C	33.142	5691.8581	5725	---	---
	Ant1	5710_UNII-3	3.302	5725	5728.3017	---	---
	Ant2	5710_UNII-3	3.222	5725	5728.2218	---	---
	Ant1	5755	36.523	5736.7782	5773.3017	---	---
	Ant2	5755	36.284	5736.9381	5773.2218	---	---
	Ant1	5795	36.523	5776.6983	5813.2218	---	---
	Ant2	5795	36.284	5776.9381	5813.2218	---	---

11AC20MIMO	Ant1	5180	18.022	5171.0090	5189.0310	---	---
	Ant2	5180	17.782	5171.1289	5188.9111	---	---
	Ant1	5200	18.142	5190.9291	5209.0709	---	---
	Ant2	5200	17.902	5191.0490	5208.9510	---	---
	Ant1	5240	18.142	5230.9690	5249.1109	---	---
	Ant2	5240	17.902	5231.0490	5248.9510	---	---
	Ant1	5260	18.102	5250.9690	5269.0709	---	---
	Ant2	5260	17.942	5251.0490	5268.9910	---	---
	Ant1	5280	18.102	5270.9690	5289.0709	---	---
	Ant2	5280	17.982	5271.0090	5288.9910	---	---
	Ant1	5320	18.022	5311.0090	5329.0310	---	---
	Ant2	5320	17.782	5311.1289	5328.9111	---	---
	Ant1	5500	18.062	5490.9690	5509.0310	---	---
	Ant2	5500	17.742	5491.1289	5508.8711	---	---
	Ant1	5580	18.062	5570.9690	5589.0310	---	---
	Ant2	5580	17.782	5571.0889	5588.8711	---	---
	Ant1	5700	18.062	5690.9690	5709.0310	---	---
	Ant2	5700	17.782	5691.1289	5708.9111	---	---
	Ant1	5720	18.142	5710.9291	5729.0709	---	---
	Ant2	5720	17.782	5711.1289	5728.9111	---	---
	Ant1	5720_UNII-2C	14.071	5710.9291	5725	---	---
	Ant2	5720_UNII-2C	13.871	5711.1289	5725	---	---
	Ant1	5720_UNII-3	4.071	5725	5729.0709	---	---
	Ant2	5720_UNII-3	3.911	5725	5728.9111	---	---
	Ant1	5745	18.102	5735.9690	5754.0709	---	---
	Ant2	5745	17.782	5736.1289	5753.9111	---	---
	Ant1	5785	18.102	5775.9690	5794.0709	---	---
	Ant2	5785	17.782	5776.1289	5793.9111	---	---
	Ant1	5825	18.102	5815.9690	5834.0709	---	---
	Ant2	5825	17.782	5816.1289	5833.9111	---	---

11AC40MIMO	Ant1	5190	36.284	5171.8581	5208.1419	---	---
	Ant2	5190	36.204	5171.9381	5208.1419	---	---
	Ant1	5230	36.444	5211.7782	5248.2218	---	---
	Ant2	5230	36.683	5211.6983	5248.3816	---	---
	Ant1	5270	36.444	5251.7782	5288.2218	---	---
	Ant2	5270	36.603	5251.7782	5288.3816	---	---
	Ant1	5310	36.364	5291.8581	5328.2218	---	---
	Ant2	5310	36.284	5291.8581	5328.1419	---	---
	Ant1	5510	36.364	5491.8581	5528.2218	---	---
	Ant2	5510	36.284	5491.8581	5528.1419	---	---
	Ant1	5550	36.603	5531.6983	5568.3017	---	---
	Ant2	5550	36.364	5531.7782	5568.1419	---	---
	Ant1	5670	36.523	5651.7782	5688.3017	---	---
	Ant2	5670	36.364	5651.8581	5688.2218	---	---
	Ant1	5710	36.523	5691.7782	5728.3017	---	---
	Ant2	5710	36.364	5691.8581	5728.2218	---	---
	Ant1	5710_UNII-2C	33.222	5691.7782	5725	---	---
	Ant2	5710_UNII-2C	33.142	5691.8581	5725	---	---
	Ant1	5710_UNII-3	3.302	5725	5728.3017	---	---
	Ant2	5710_UNII-3	3.222	5725	5728.2218	---	---
	Ant1	5755	36.523	5736.7782	5773.3017	---	---
	Ant2	5755	36.364	5736.8581	5773.2218	---	---
	Ant1	5795	36.444	5776.7782	5813.2218	---	---
	Ant2	5795	36.364	5776.8581	5813.2218	---	---
11AC80MIMO	Ant1	5210	75.445	5172.2777	5247.7223	---	---
	Ant2	5210	75.604	5172.1179	5247.7223	---	---
	Ant1	5290	75.604	5252.2777	5327.8821	---	---
	Ant2	5290	75.445	5252.2777	5327.7223	---	---
	Ant1	5530	75.604	5492.1179	5567.7223	---	---
	Ant2	5530	75.445	5492.1179	5567.5624	---	---

Ant1	5610	75.764	5572.1179	5647.8821	---	---
Ant2	5610	75.604	5571.9580	5647.5624	---	---
Ant1	5690	75.604	5652.2777	5727.8821	---	---
Ant2	5690	75.604	5652.2777	5727.8821	---	---
Ant1	5690_UNII-2C	72.722	5652.2777	5725	---	---
Ant2	5690_UNII-2C	72.722	5652.2777	5725	---	---
Ant1	5690_UNII-3	2.882	5725	5727.8821	---	---
Ant2	5690_UNII-3	2.882	5725	5727.8821	---	---
Ant1	5775	75.604	5737.1179	5812.7223	---	---
Ant2	5775	75.604	5737.2777	5812.8821	---	---

6.5. Test graphs

