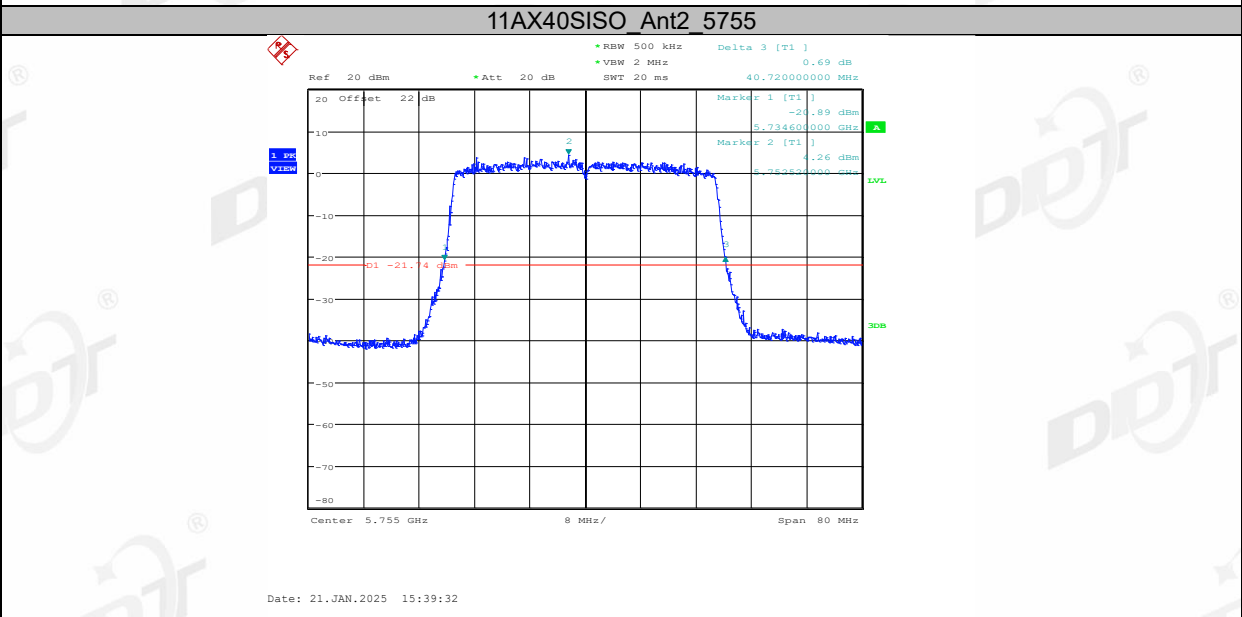
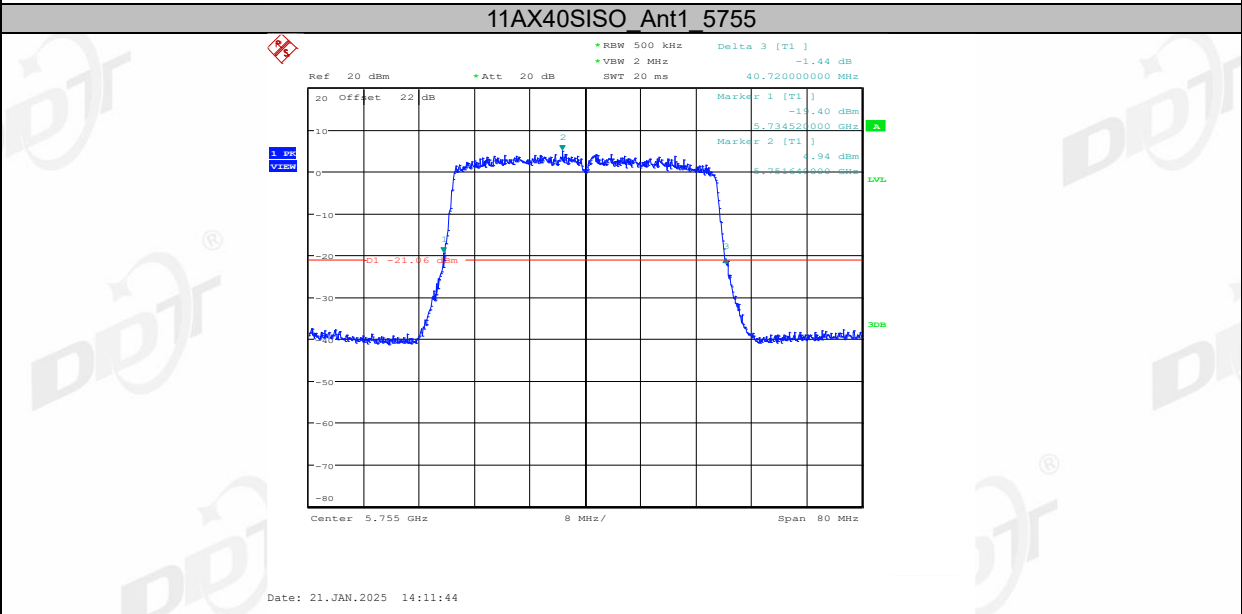
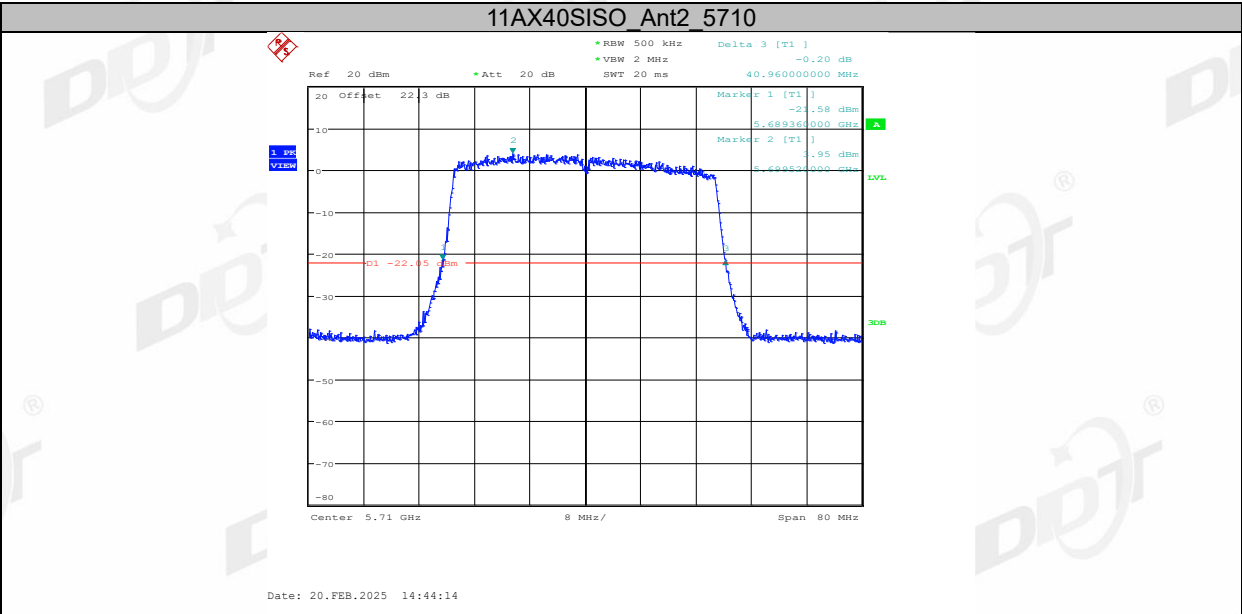
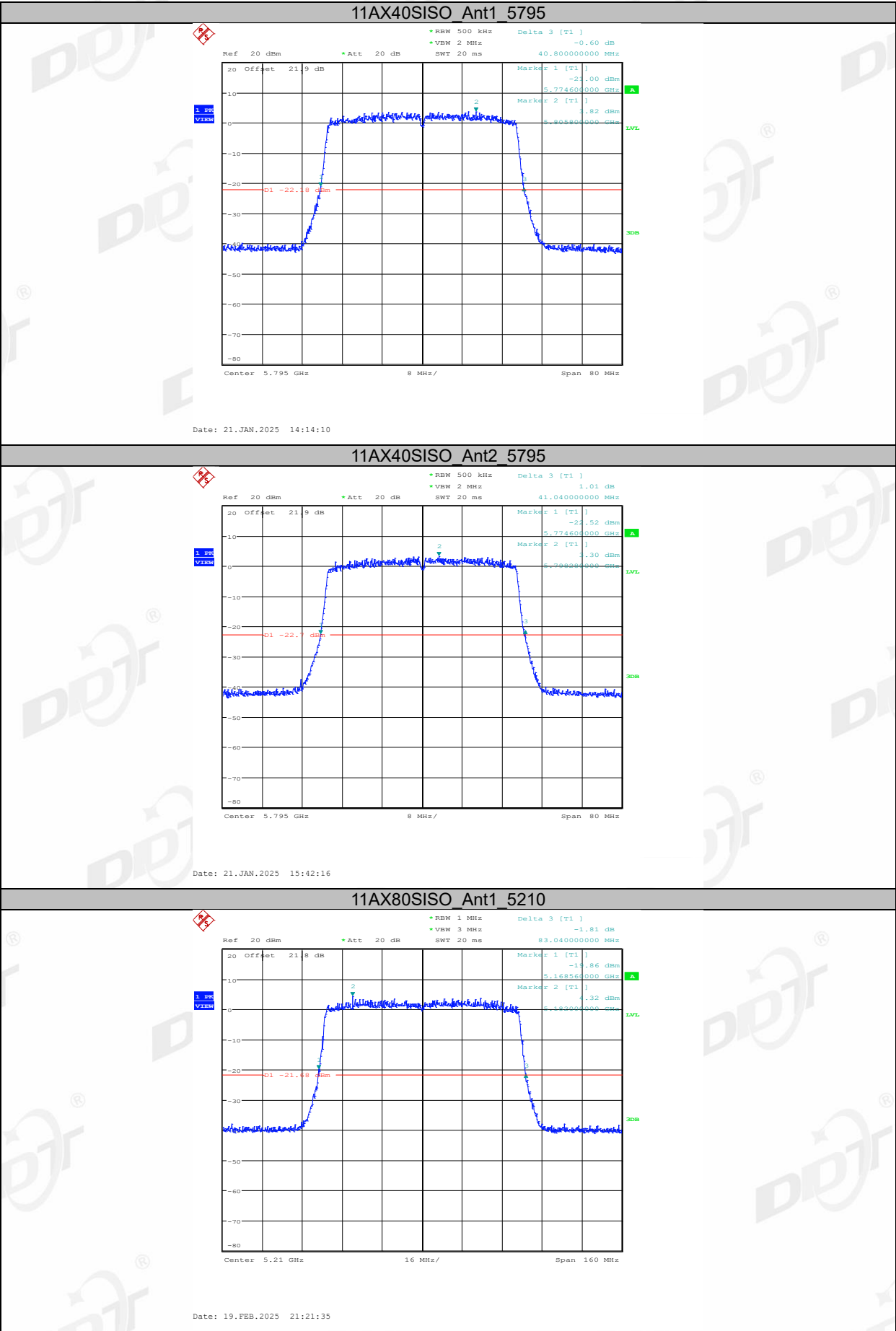
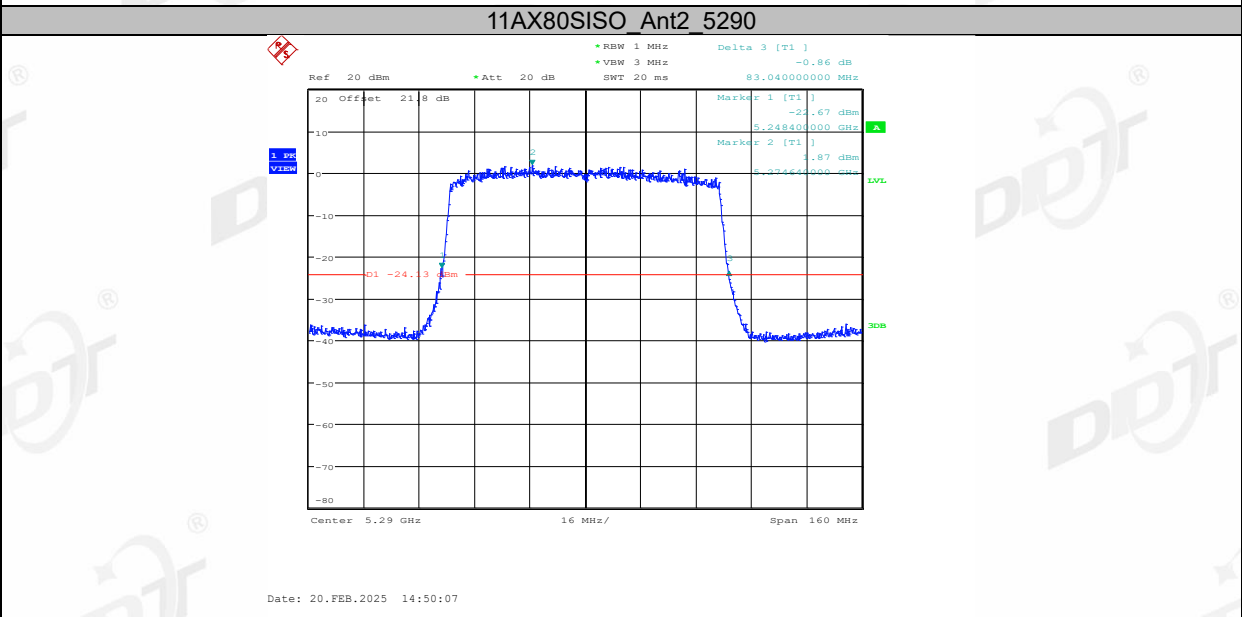
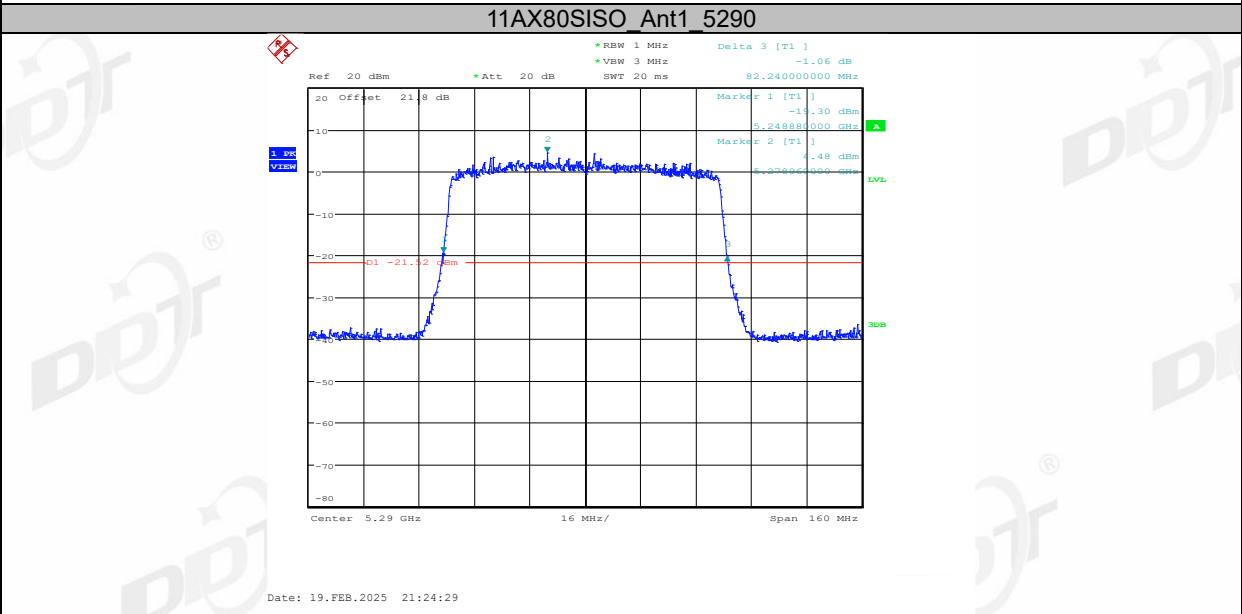
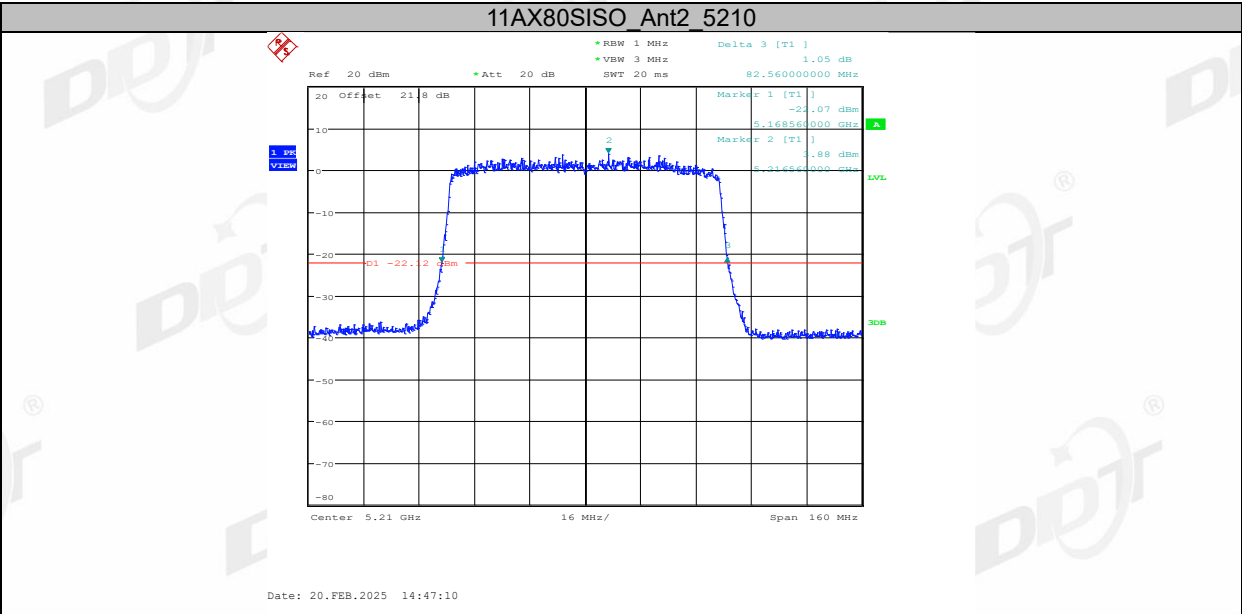
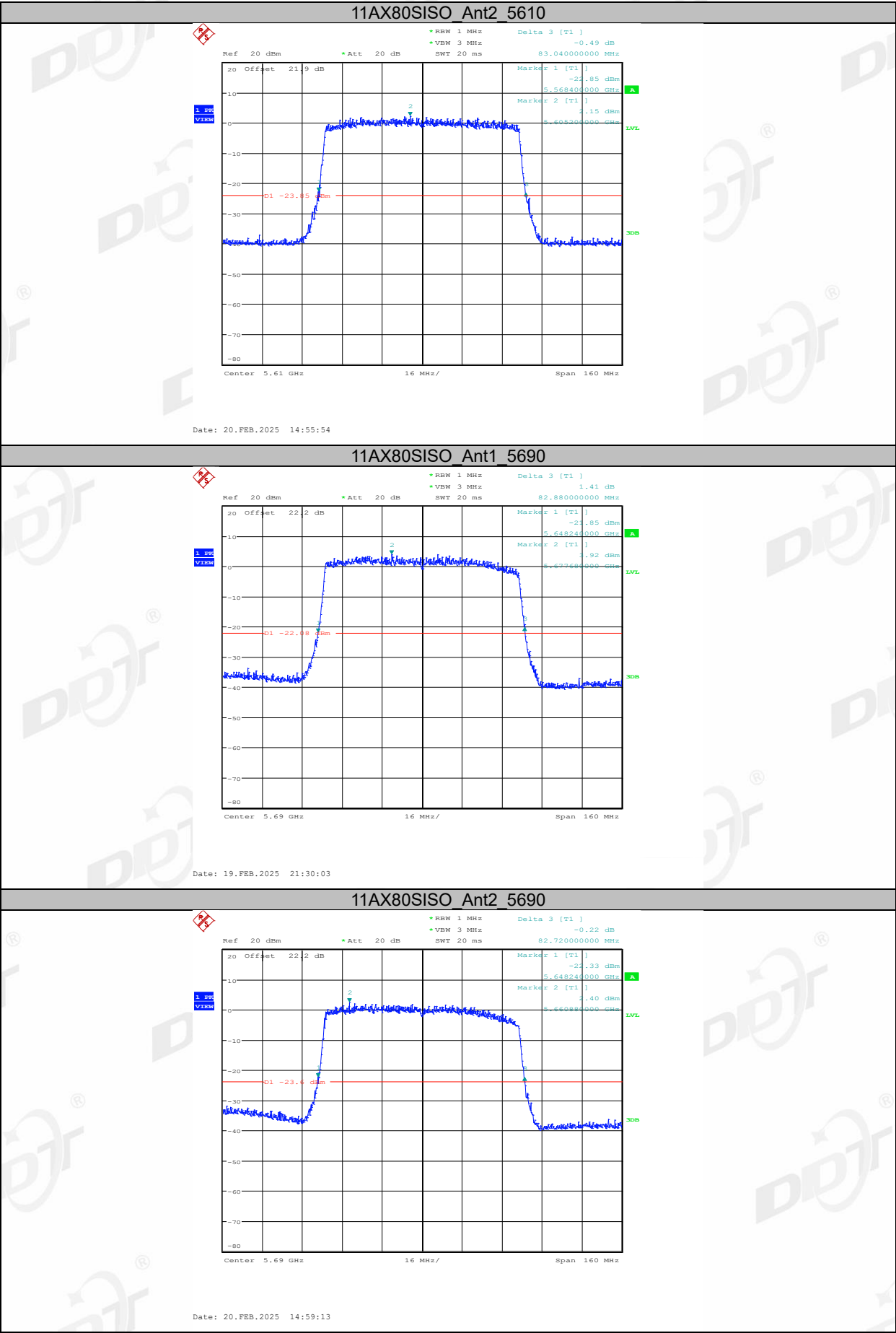








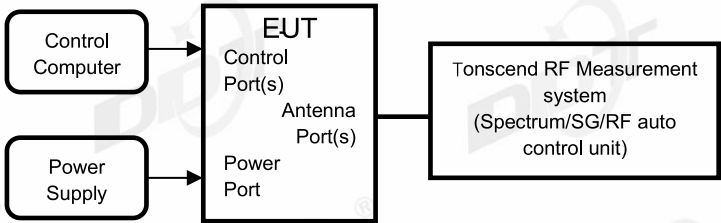






5. 6dB Bandwidth

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.

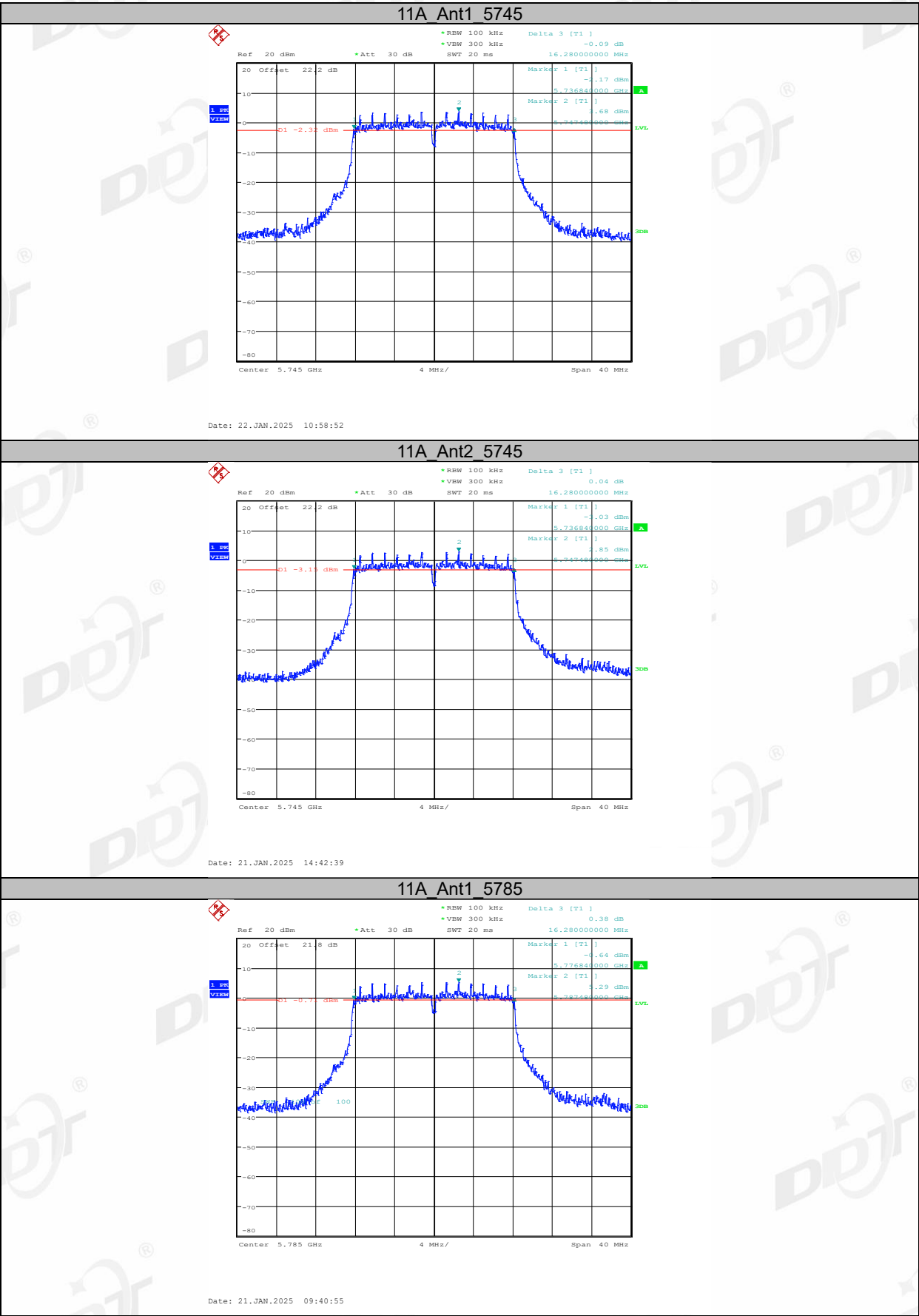
5.4. Test result B4

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	23.6℃, 45%RH	Test Date:	2025.01.21-2025.02.21
Test Power Supply:	DC 12V	Sample Number:	S24122405-001

Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	16.28	5736.84	5753.12	0.5	PASS
	Ant2	5745	16.28	5736.84	5753.12	0.5	PASS
	Ant1	5785	16.28	5776.84	5793.12	0.5	PASS
	Ant2	5785	16.04	5777.08	5793.12	0.5	PASS
	Ant1	5825	16.32	5816.80	5833.12	0.5	PASS
	Ant2	5825	16.08	5816.80	5832.88	0.5	PASS
11N20SISO	Ant1	5745	17.12	5736.60	5753.72	0.5	PASS
	Ant2	5745	16.88	5736.60	5753.48	0.5	PASS
	Ant1	5785	16.92	5776.84	5793.76	0.5	PASS
	Ant2	5785	16.48	5777.24	5793.72	0.5	PASS
	Ant1	5825	17.16	5816.20	5833.36	0.5	PASS
	Ant2	5825	16.52	5816.20	5832.72	0.5	PASS
11N40SISO	Ant1	5755	36.00	5737.16	5773.16	0.5	PASS
	Ant2	5755	35.76	5737.40	5773.16	0.5	PASS
	Ant1	5795	35.68	5777.48	5813.16	0.5	PASS
	Ant2	5795	35.28	5777.48	5812.76	0.5	PASS
11AC20SISO	Ant1	5745	16.76	5736.60	5753.36	0.5	PASS
	Ant2	5745	16.88	5736.48	5753.36	0.5	PASS
	Ant1	5785	16.92	5776.56	5793.48	0.5	PASS
	Ant2	5785	16.92	5776.84	5793.76	0.5	PASS
	Ant1	5825	17.28	5816.20	5833.48	0.5	PASS
	Ant2	5825	17.24	5816.24	5833.48	0.5	PASS

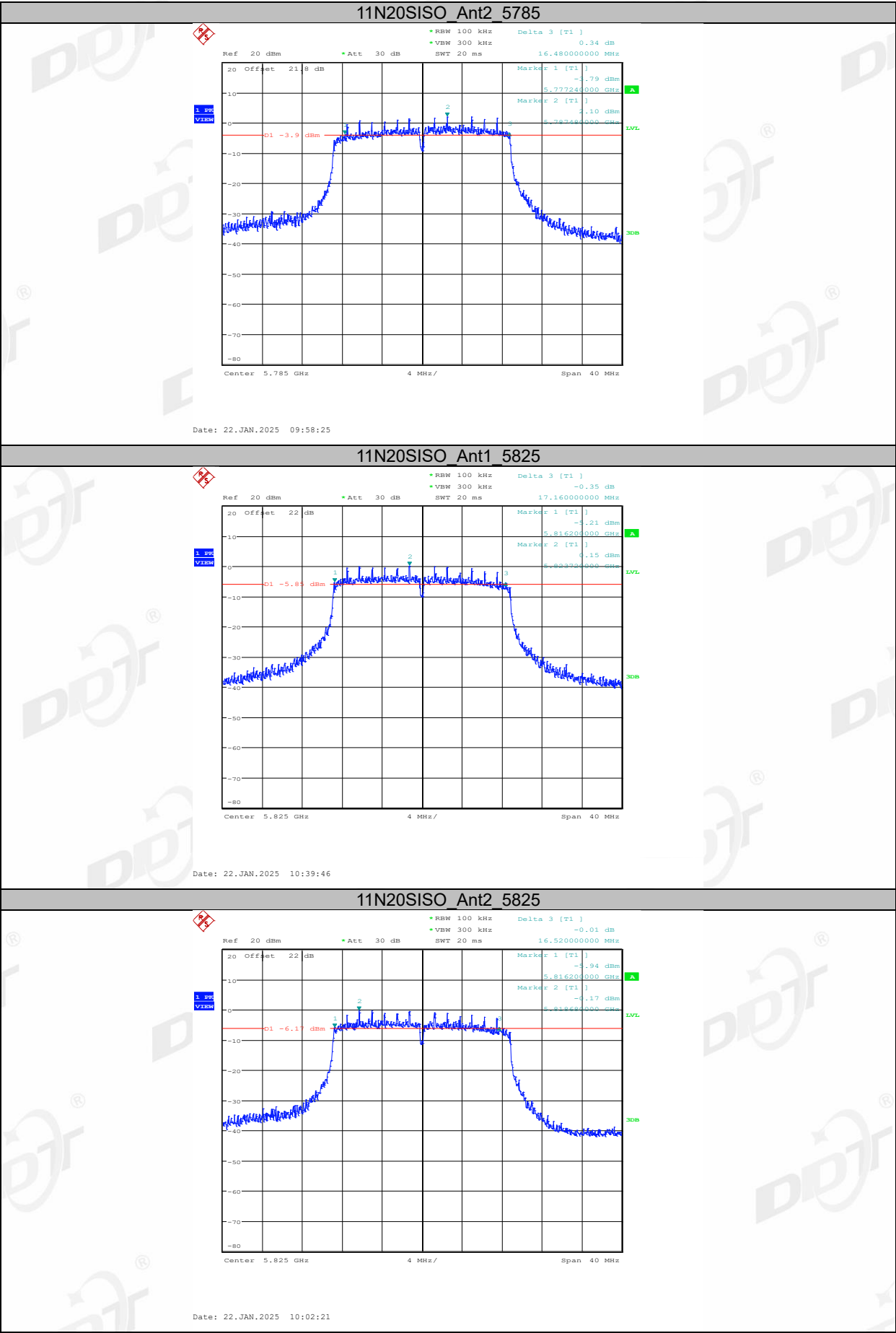
11AC40SISO	Ant1	5755	35.28	5736.84	5772.12	0.5	PASS
	Ant2	5755	35.28	5737.24	5772.52	0.5	PASS
	Ant1	5795	35.52	5777.24	5812.76	0.5	PASS
	Ant2	5795	34.16	5778.68	5812.84	0.5	PASS
11AC80SISO	Ant1	5775	71.36	5737.40	5808.76	0.5	PASS
	Ant2	5775	75.04	5737.40	5812.44	0.5	PASS
11AX20SISO	Ant1	5745	18.32	5735.88	5754.20	0.5	PASS
	Ant2	5745	18.60	5735.72	5754.32	0.5	PASS
	Ant1	5785	18.68	5775.68	5794.36	0.5	PASS
	Ant2	5785	18.60	5775.80	5794.40	0.5	PASS
	Ant1	5825	18.68	5815.60	5834.28	0.5	PASS
	Ant2	5825	18.72	5815.52	5834.24	0.5	PASS
11AX40SISO	Ant1	5755	37.20	5736.28	5773.48	0.5	PASS
	Ant2	5755	37.28	5736.28	5773.56	0.5	PASS
	Ant1	5795	37.20	5776.28	5813.48	0.5	PASS
	Ant2	5795	37.44	5776.36	5813.80	0.5	PASS
11AX80SISO	Ant1	5775	76.96	5736.60	5813.56	0.5	PASS
	Ant2	5775	76.48	5736.28	5812.76	0.5	PASS

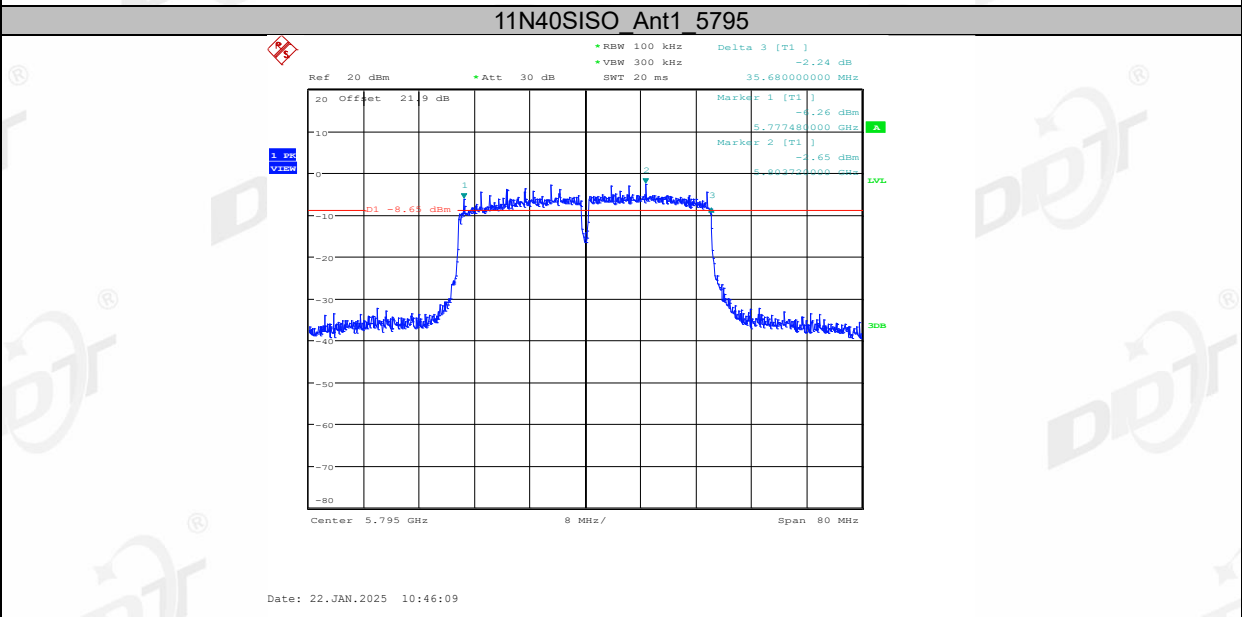
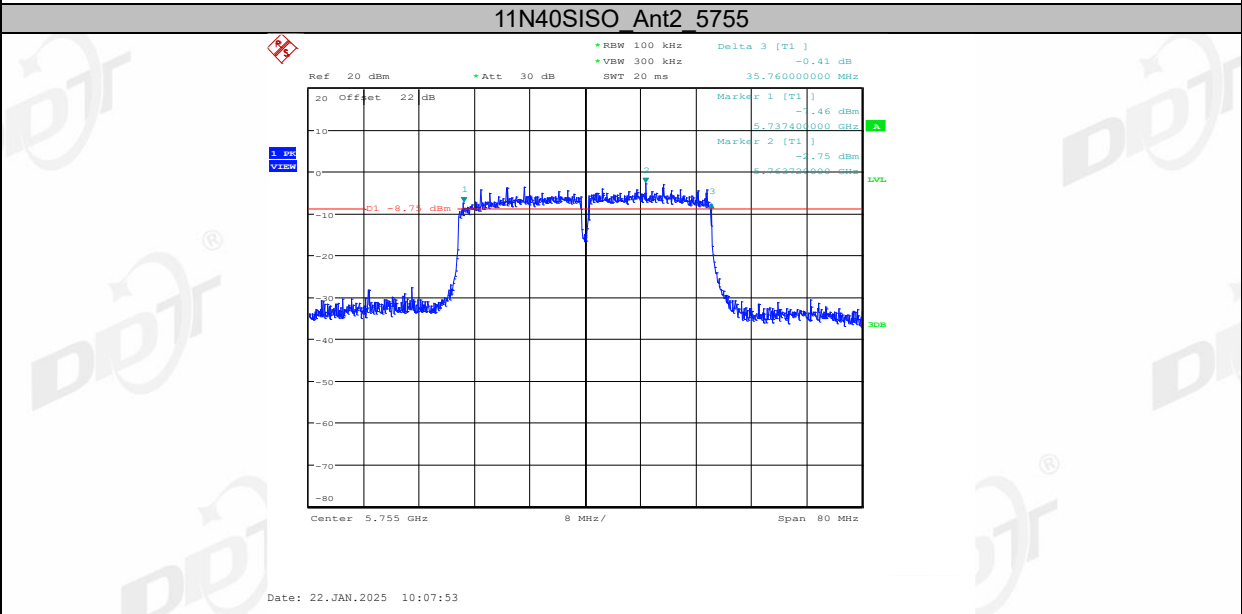
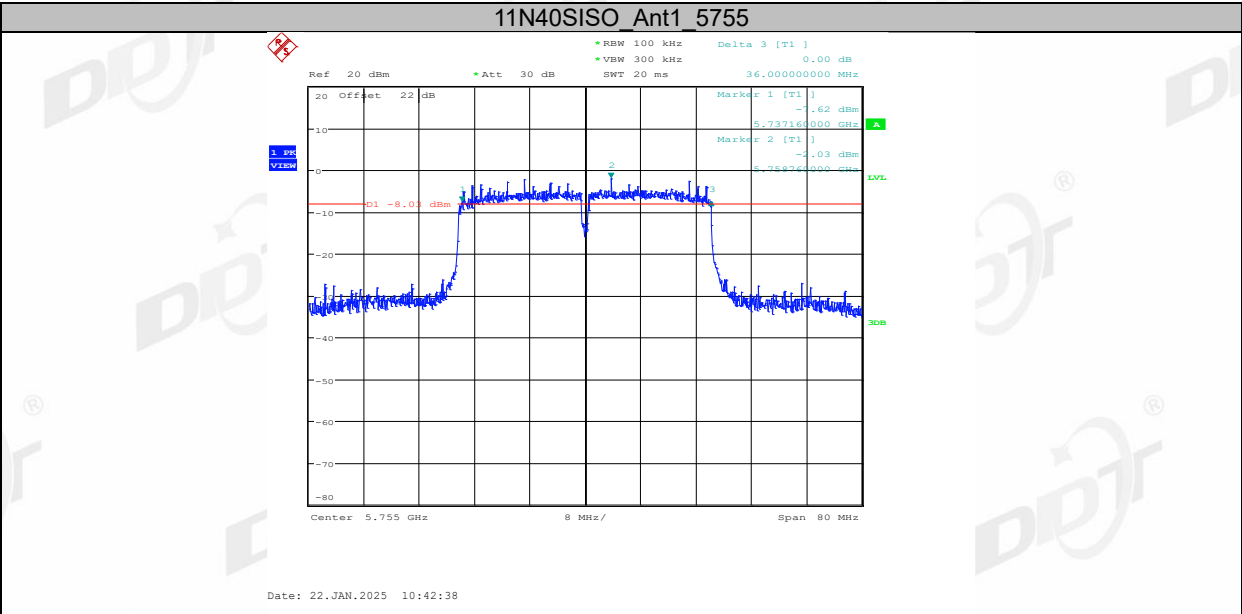
5.5. Test graphs B4

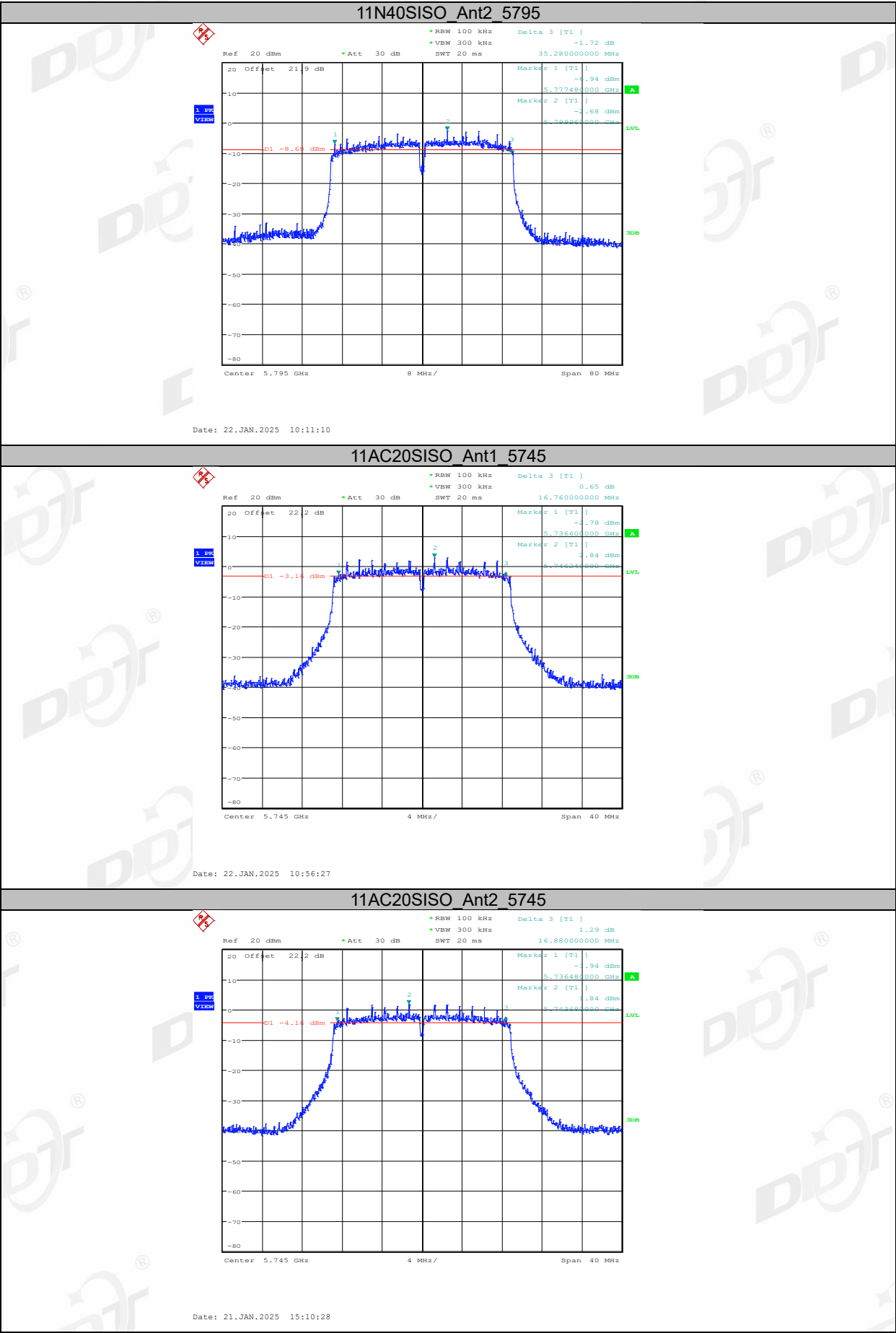


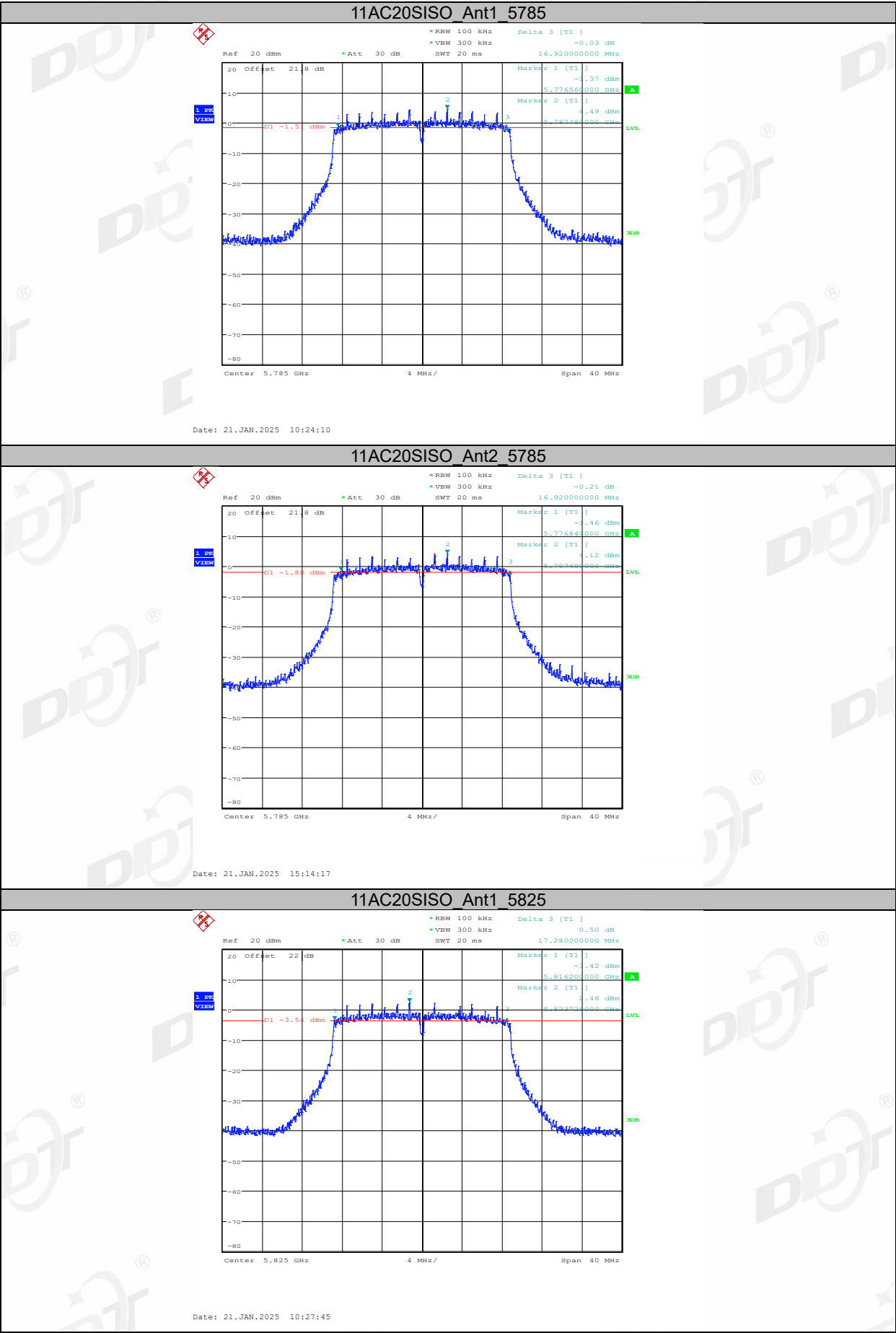


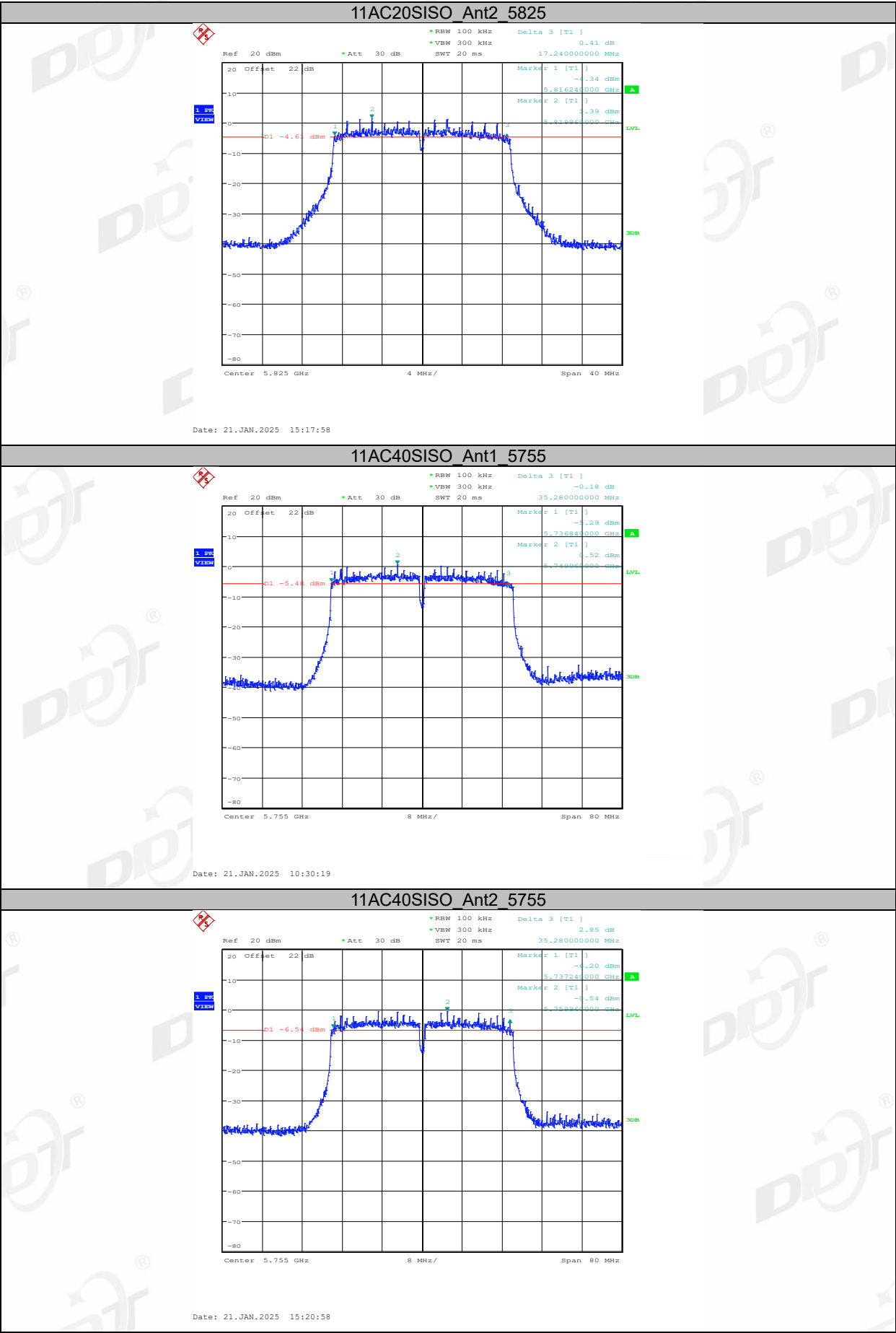


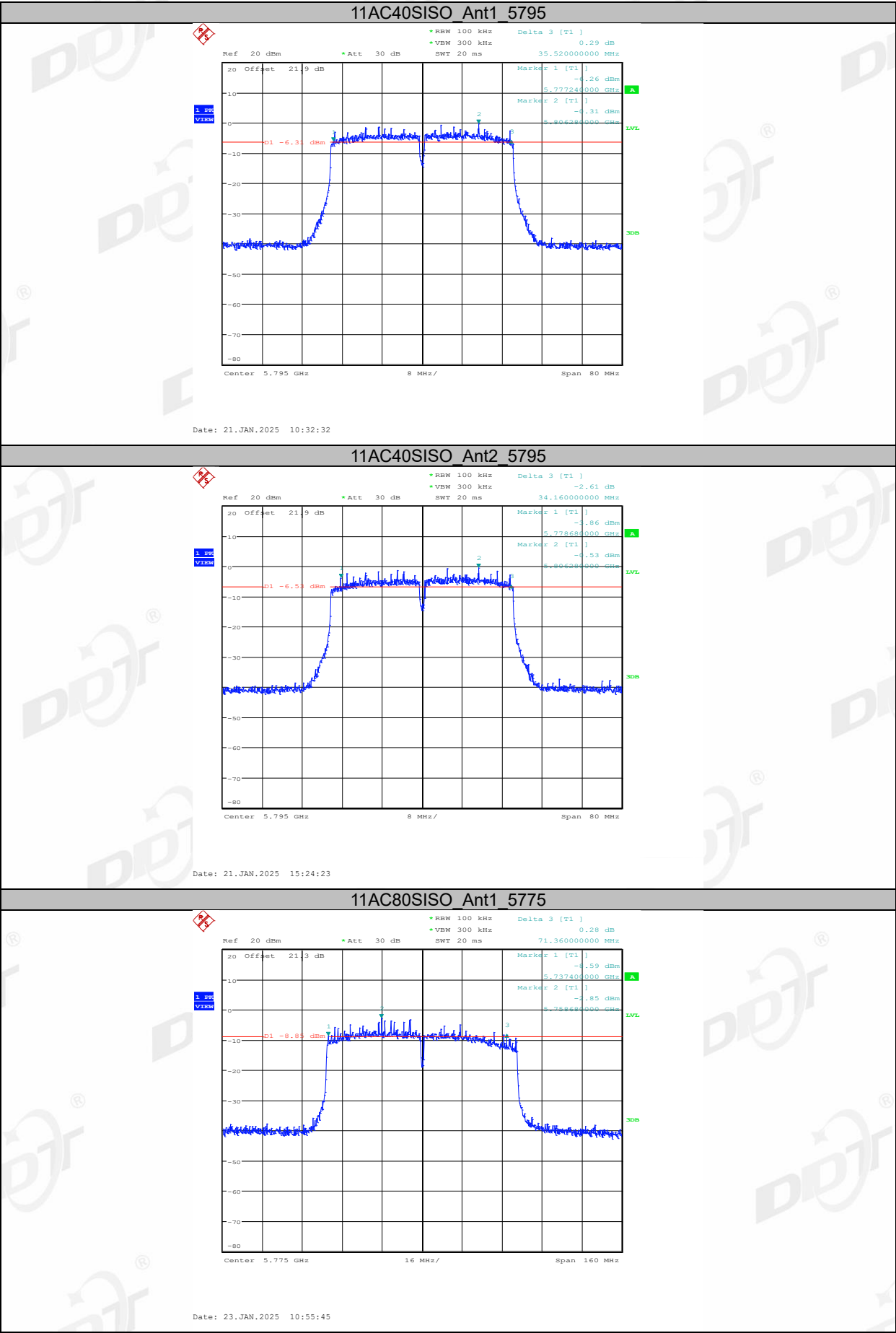


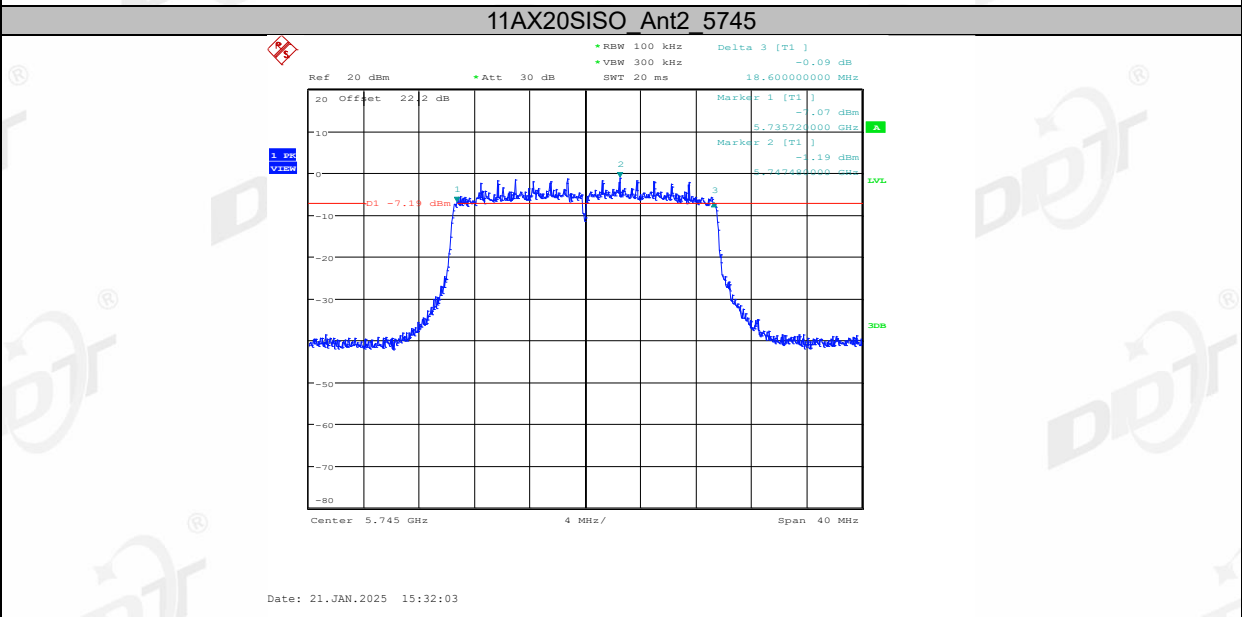
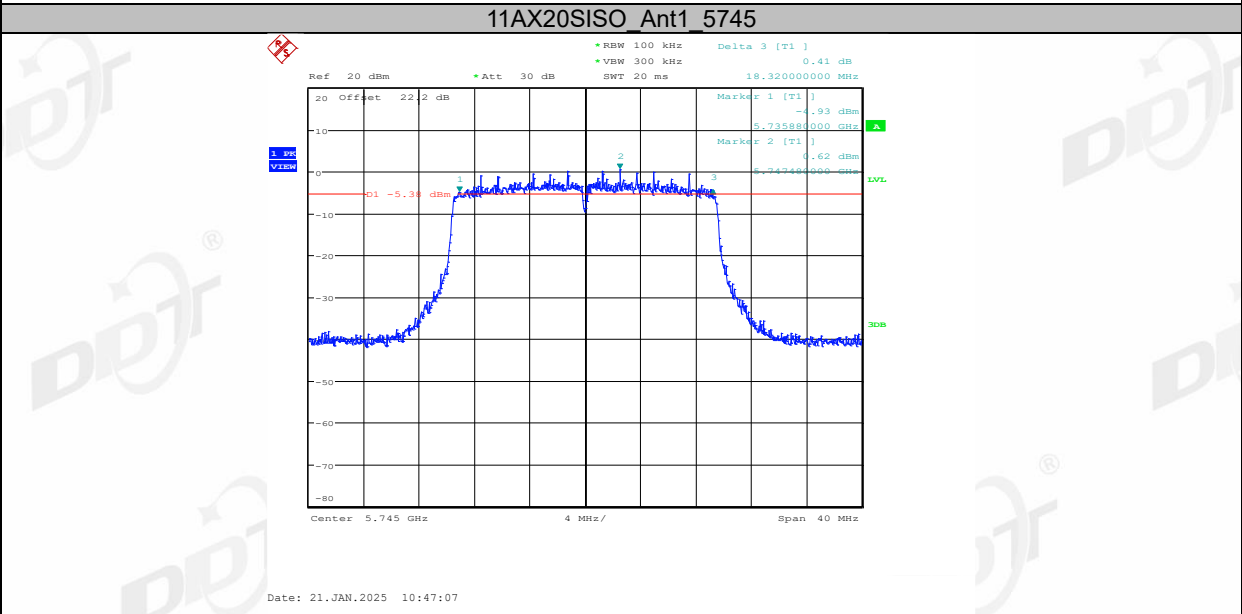
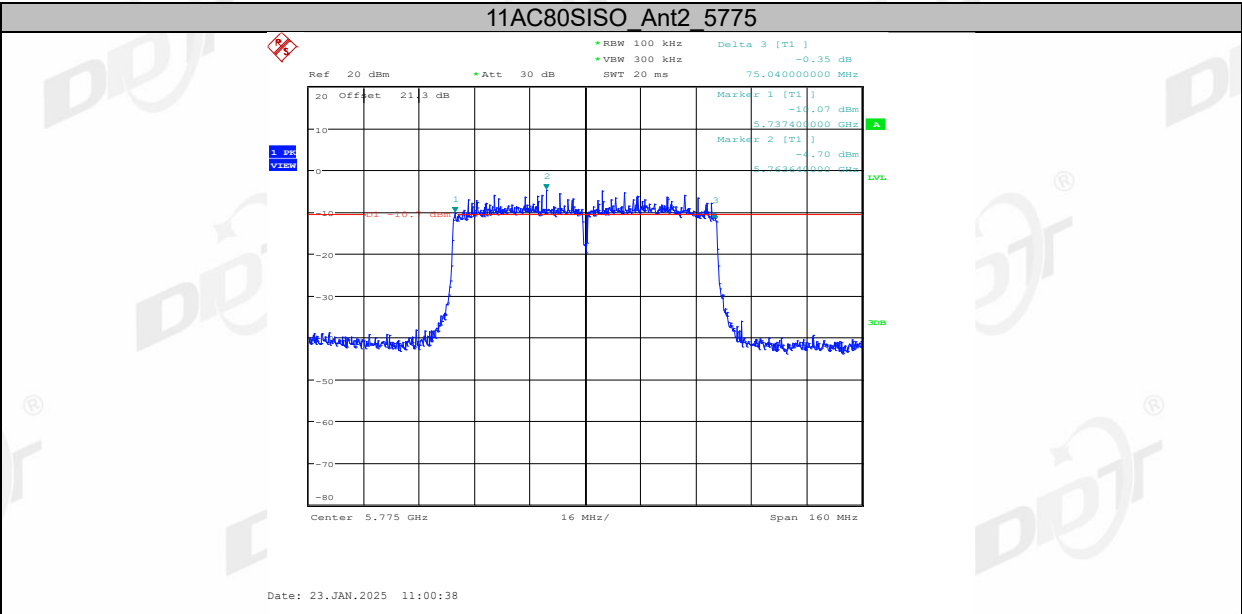


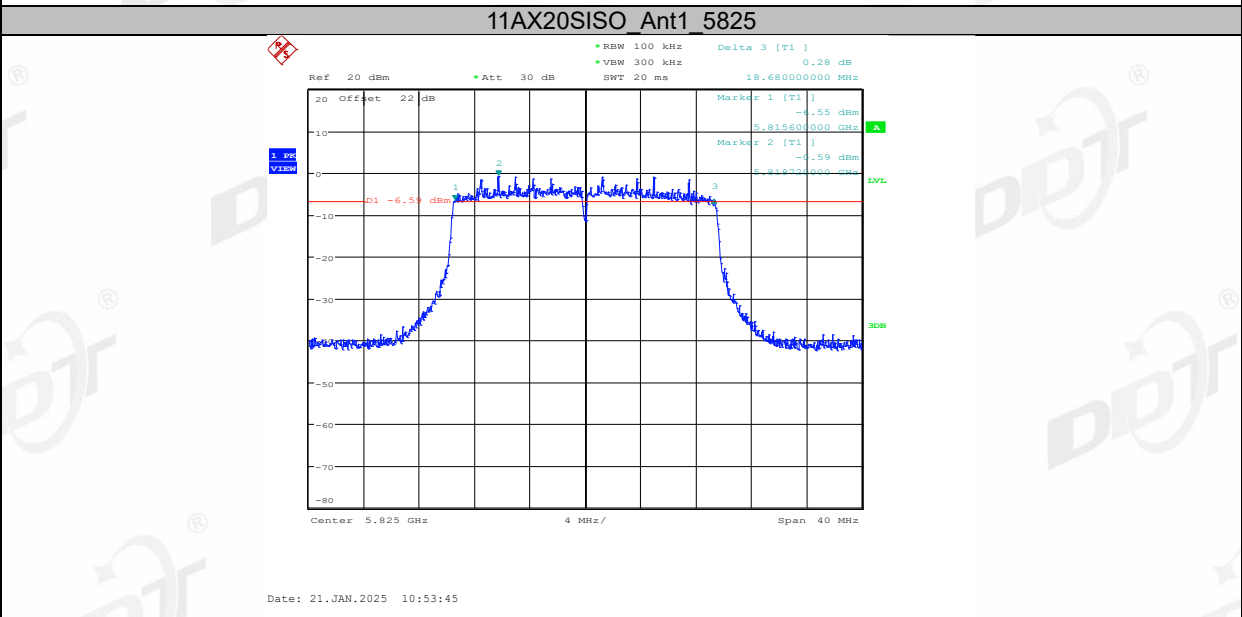
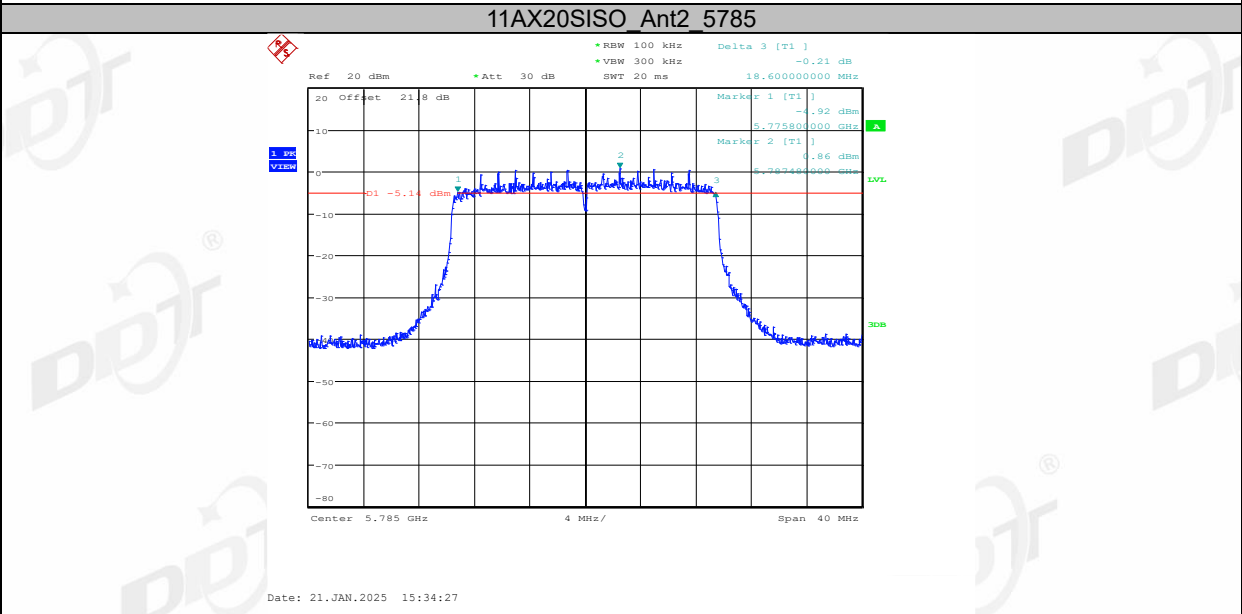
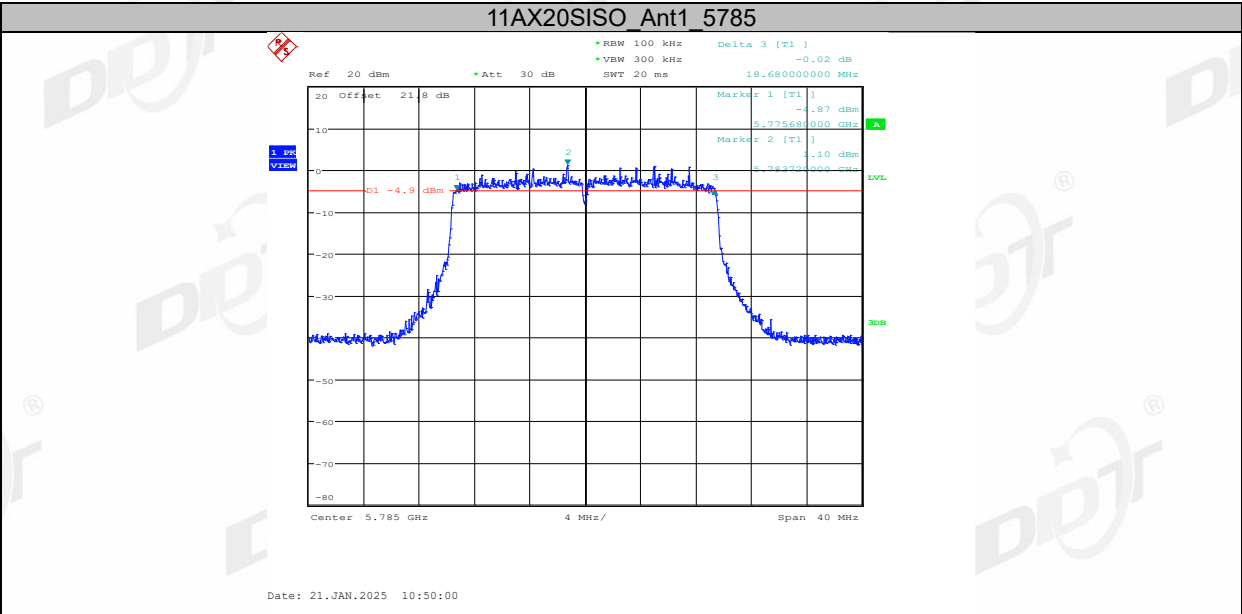


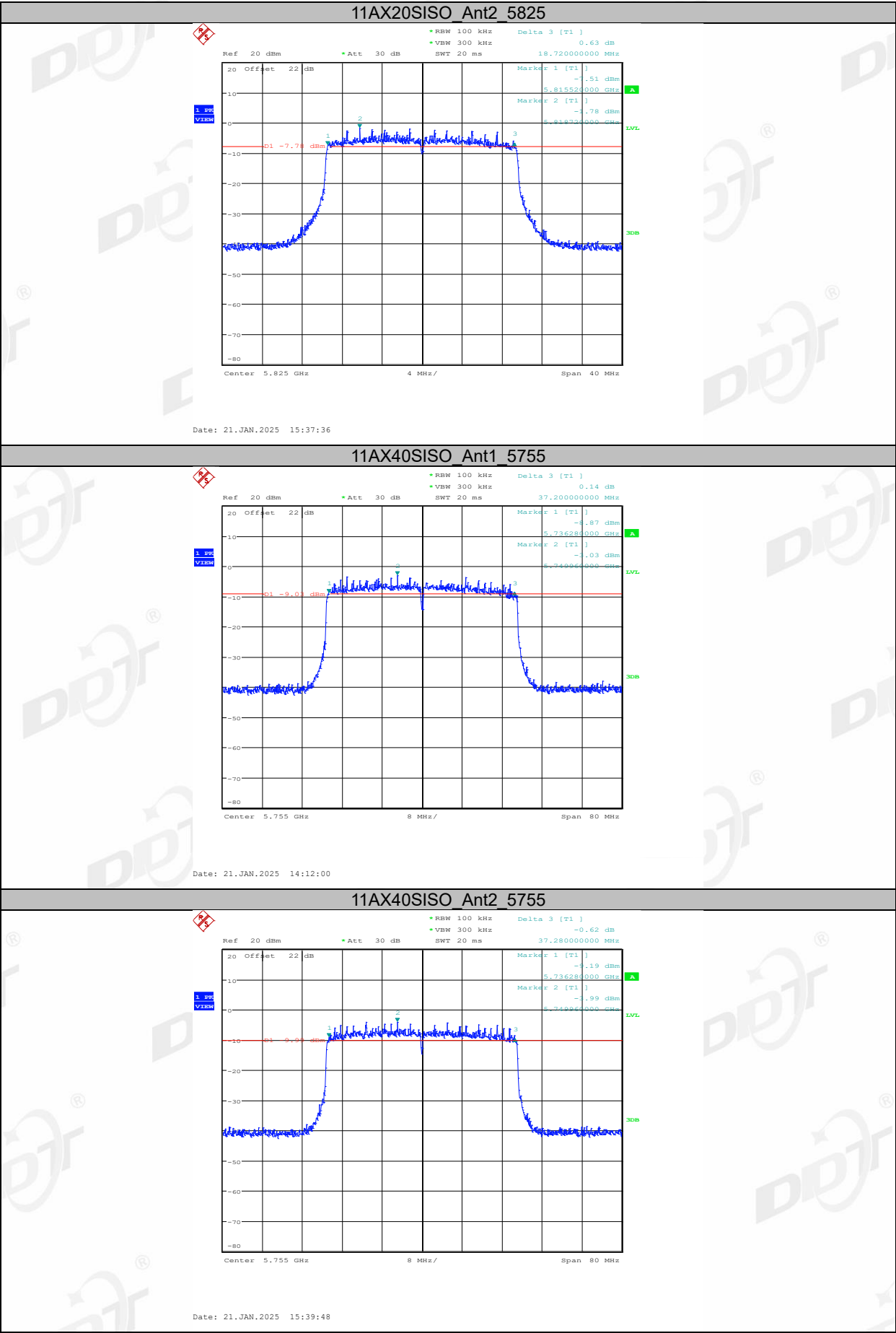


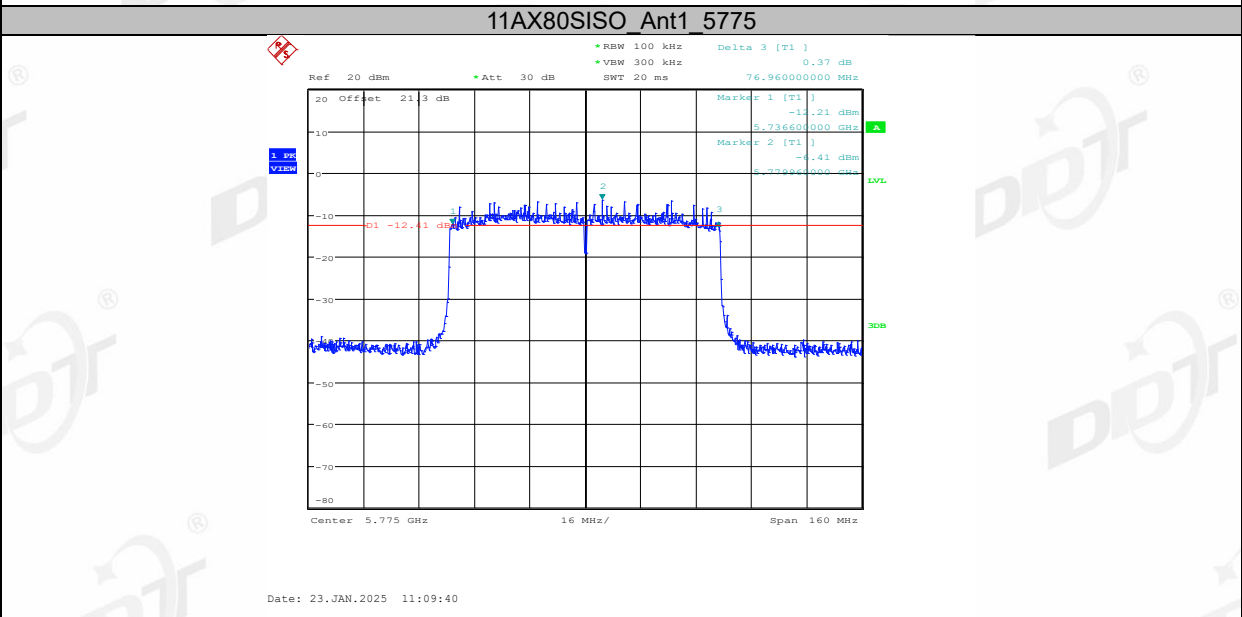
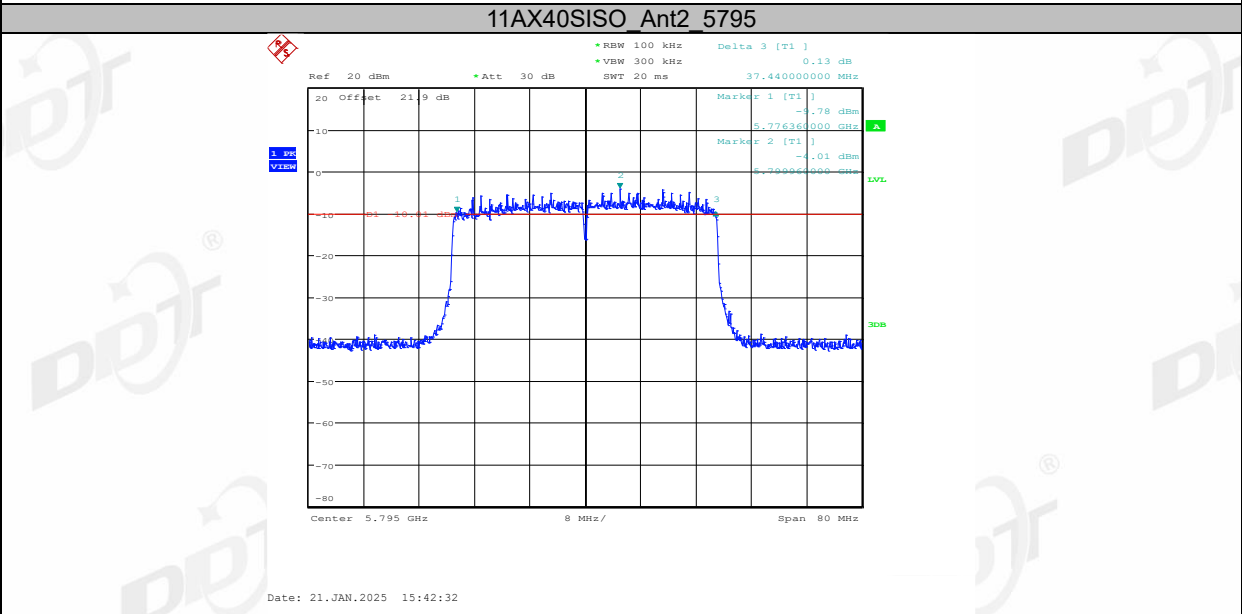
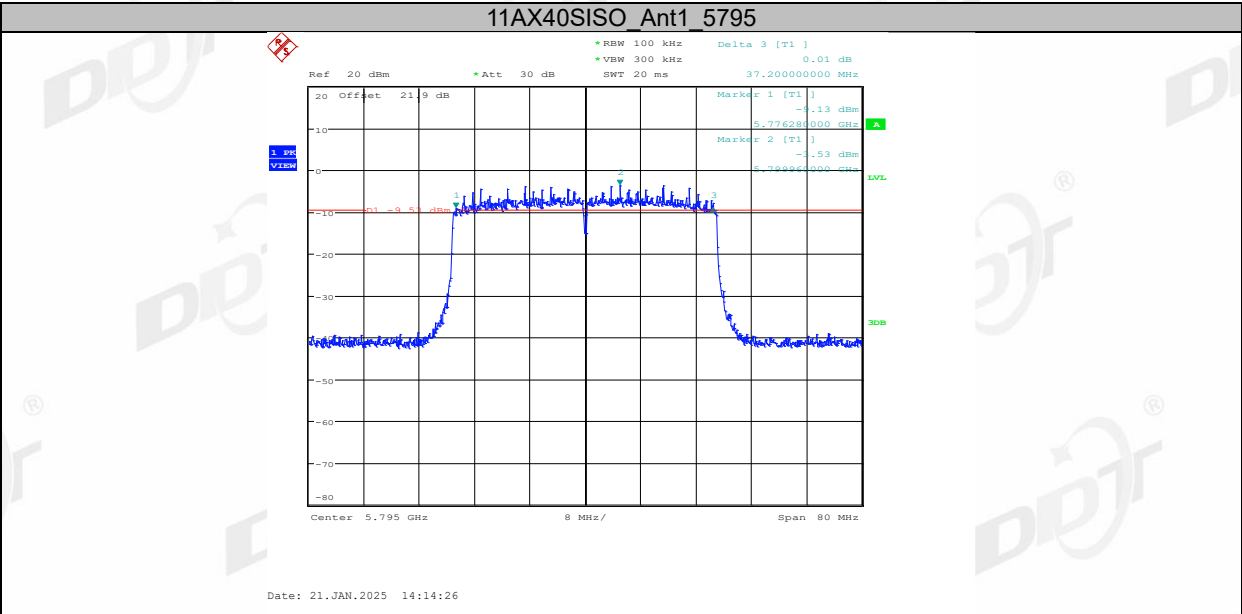


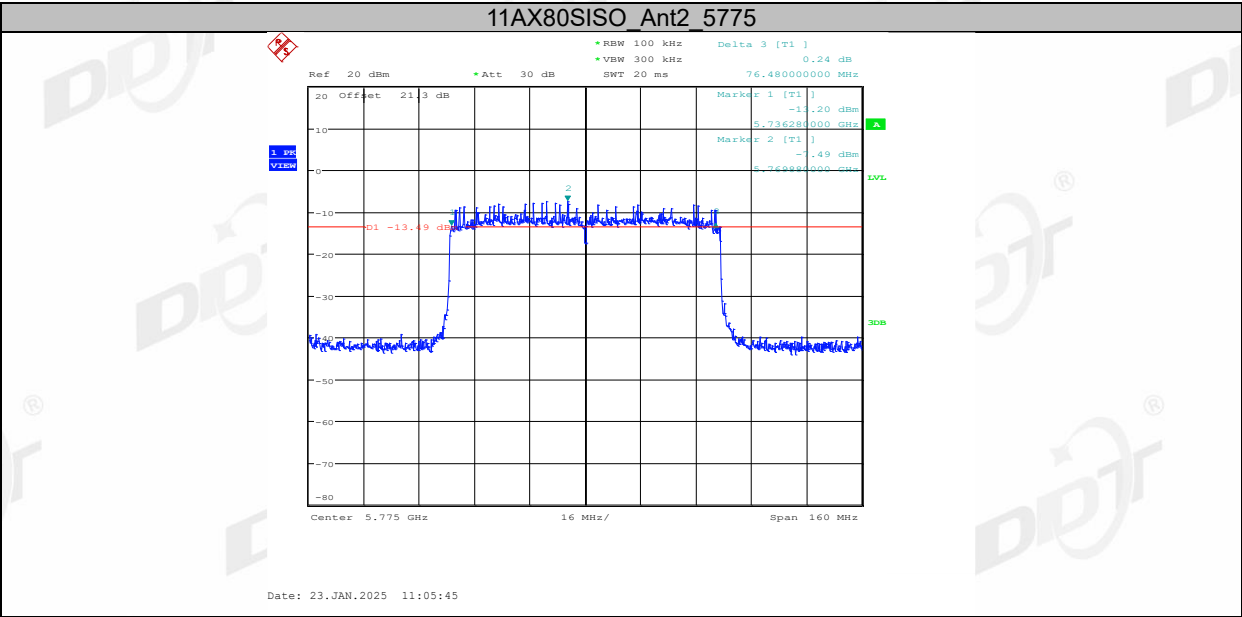






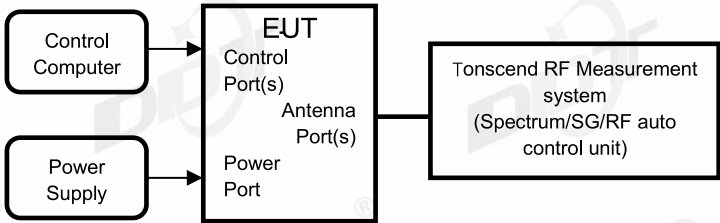






6. 99% Bandwidth

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

- (2) 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 1#
Ambient Condition:	23.6℃, 45%RH	Test Date:	2025.01.21-2025.02.21
Test Power Supply:	DC 12V	Sample Number:	S24122405-001

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	16.68	5171.6400	5188.3200	---	---
	Ant2	5180	16.68	5171.6400	5188.3200	---	---
	Ant1	5200	16.72	5191.6000	5208.3200	---	---
	Ant2	5200	16.68	5191.6000	5208.2800	---	---
	Ant1	5240	16.68	5231.6000	5248.2800	---	---
	Ant2	5240	16.68	5231.6000	5248.2800	---	---
	Ant1	5260	16.64	5251.6400	5268.2800	---	---
	Ant2	5260	16.72	5251.6000	5268.3200	---	---
	Ant1	5280	16.68	5271.6000	5288.2800	---	---
	Ant2	5280	16.72	5271.6000	5288.3200	---	---
	Ant1	5320	16.68	5311.6000	5328.2800	---	---
	Ant2	5320	16.72	5311.6000	5328.3200	---	---
	Ant1	5500	16.72	5491.5600	5508.2800	---	---
	Ant2	5500	16.68	5491.6000	5508.2800	---	---
	Ant1	5580	16.68	5571.6000	5588.2800	---	---
	Ant2	5580	16.72	5571.6000	5588.3200	---	---
	Ant1	5700	16.64	5691.6400	5708.2800	---	---
	Ant2	5700	16.68	5691.6000	5708.2800	---	---
	Ant1	5720	16.72	5711.5600	5728.2800	---	---
	Ant2	5720	16.72	5711.5200	5728.2400	---	---
	Ant1	5720_UNII-2C	13.44	5711.5600	5725	---	---
	Ant2	5720_UNII-2C	13.48	5711.5200	5725	---	---
	Ant1	5720_UNII-3	3.28	5725	5728.2800	---	---
	Ant2	5720_UNII-3	3.24	5725	5728.2400	---	---
	Ant1	5745	16.64	5736.6400	5753.2800	---	---
	Ant2	5745	16.68	5736.6400	5753.3200	---	---
	Ant1	5785	16.68	5776.6400	5793.3200	---	---
	Ant2	5785	16.68	5776.6400	5793.3200	---	---

	Ant1	5825	16.68	5816.6000	5833.2800	---	---
	Ant2	5825	16.72	5816.5600	5833.2800	---	---
11N20SISO	Ant1	5180	17.84	5171.0400	5188.8800	---	---
	Ant2	5180	17.84	5171.0400	5188.8800	---	---
	Ant1	5200	17.92	5190.9600	5208.8800	---	---
	Ant2	5200	17.92	5190.9600	5208.8800	---	---
	Ant1	5240	17.88	5231.0000	5248.8800	---	---
	Ant2	5240	17.88	5231.0000	5248.8800	---	---
	Ant1	5260	17.92	5251.0000	5268.9200	---	---
	Ant2	5260	17.84	5251.0400	5268.8800	---	---
	Ant1	5280	17.88	5271.0400	5288.9200	---	---
	Ant2	5280	17.88	5271.0400	5288.9200	---	---
	Ant1	5320	17.92	5311.0400	5328.9600	---	---
	Ant2	5320	17.84	5311.0800	5328.9200	---	---
	Ant1	5500	17.92	5490.9600	5508.8800	---	---
	Ant2	5500	17.92	5490.9600	5508.8800	---	---
	Ant1	5580	17.88	5571.0400	5588.9200	---	---
	Ant2	5580	17.88	5571.0400	5588.9200	---	---
	Ant1	5700	17.88	5690.9600	5708.8400	---	---
	Ant2	5700	17.88	5690.9600	5708.8400	---	---
	Ant1	5720	17.92	5710.8800	5728.8000	---	---
	Ant2	5720	17.96	5710.8800	5728.8400	---	---
	Ant1	5720_UNII-2C	14.12	5710.8800	5725	---	---
	Ant2	5720_UNII-2C	14.12	5710.8800	5725	---	---
	Ant1	5720_UNII-3	3.8	5725	5728.8000	---	---
	Ant2	5720_UNII-3	3.84	5725	5728.8400	---	---
	Ant1	5745	17.96	5736.0000	5753.9600	---	---
	Ant2	5745	17.92	5736.0000	5753.9200	---	---
	Ant1	5785	18	5776.0400	5794.0400	---	---
	Ant2	5785	17.84	5776.1200	5793.9600	---	---
	Ant1	5825	17.88	5815.9600	5833.8400	---	---
	Ant2	5825	17.92	5815.9200	5833.8400	---	---
11N40SISO	Ant1	5190	36.4	5171.6800	5208.0800	---	---
	Ant2	5190	36.4	5171.6800	5208.0800	---	---

	Ant1	5230	36.48	5211.6800	5248.1600	---	---
	Ant2	5230	36.48	5211.6800	5248.1600	---	---
	Ant1	5270	36.32	5251.8400	5288.1600	---	---
	Ant2	5270	36.4	5251.7600	5288.1600	---	---
	Ant1	5310	36.48	5291.7600	5328.2400	---	---
	Ant2	5310	36.4	5291.8400	5328.2400	---	---
	Ant1	5510	36.56	5491.6000	5528.1600	---	---
	Ant2	5510	36.48	5491.6800	5528.1600	---	---
	Ant1	5550	36.48	5531.6800	5568.1600	---	---
	Ant2	5550	36.4	5531.7600	5568.1600	---	---
	Ant1	5670	36.4	5651.6000	5688.0000	---	---
	Ant2	5670	36.4	5651.5200	5687.9200	---	---
	Ant1	5710	36.48	5691.5200	5728.0000	---	---
	Ant2	5710	36.48	5691.5200	5728.0000	---	---
	Ant1	5710_UNII-2C	33.48	5691.5200	5725	---	---
	Ant2	5710_UNII-2C	33.48	5691.5200	5725	---	---
	Ant1	5710_UNII-3	3	5725	5728.0000	---	---
	Ant2	5710_UNII-3	3	5725	5728.0000	---	---
	Ant1	5755	36.48	5736.7600	5773.2400	---	---
	Ant2	5755	36.48	5736.8400	5773.3200	---	---
	Ant1	5795	36.32	5776.8400	5813.1600	---	---
	Ant2	5795	36.24	5776.9200	5813.1600	---	---
11AC20SISO	Ant1	5180	17.84	5171.0400	5188.8800	---	---
	Ant2	5180	17.8	5171.0400	5188.8400	---	---
	Ant1	5200	17.84	5191.0400	5208.8800	---	---
	Ant2	5200	17.88	5191.0000	5208.8800	---	---
	Ant1	5240	17.84	5231.0400	5248.8800	---	---
	Ant2	5240	17.84	5231.0400	5248.8800	---	---
	Ant1	5260	17.84	5251.0400	5268.8800	---	---
	Ant2	5260	17.92	5251.0000	5268.9200	---	---
	Ant1	5280	17.88	5271.0000	5288.8800	---	---
	Ant2	5280	17.84	5271.0400	5288.8800	---	---
	Ant1	5320	17.84	5311.0400	5328.8800	---	---
	Ant2	5320	17.84	5311.0400	5328.8800	---	---

	Ant1	5500	17.84	5491.0000	5508.8400	---	---
	Ant2	5500	17.88	5491.0000	5508.8800	---	---
	Ant1	5580	17.84	5571.0400	5588.8800	---	---
	Ant2	5580	17.84	5571.0400	5588.8800	---	---
	Ant1	5700	17.84	5691.0400	5708.8800	---	---
	Ant2	5700	17.84	5691.0400	5708.8800	---	---
	Ant1	5720	17.8	5711.0000	5728.8000	---	---
	Ant2	5720	17.84	5710.9600	5728.8000	---	---
	Ant1	5720_UNII-2C	14	5711.0000	5725	---	---
	Ant2	5720_UNII-2C	14.04	5710.9600	5725	---	---
	Ant1	5720_UNII-3	3.8	5725	5728.8000	---	---
	Ant2	5720_UNII-3	3.8	5725	5728.8000	---	---
	Ant1	5745	17.84	5736.0400	5753.8800	---	---
	Ant2	5745	17.88	5736.0000	5753.8800	---	---
	Ant1	5785	17.88	5776.0400	5793.9200	---	---
	Ant2	5785	17.84	5776.0800	5793.9200	---	---
	Ant1	5825	17.8	5816.0400	5833.8400	---	---
	Ant2	5825	17.88	5816.0000	5833.8800	---	---
11AC40SISO	Ant1	5190	36.32	5171.7600	5208.0800	---	---
	Ant2	5190	36.32	5171.7600	5208.0800	---	---
	Ant1	5230	36.4	5211.7600	5248.1600	---	---
	Ant2	5230	36.4	5211.7600	5248.1600	---	---
	Ant1	5270	36.24	5251.8400	5288.0800	---	---
	Ant2	5270	36.32	5251.7600	5288.0800	---	---
	Ant1	5310	36.32	5291.7600	5328.0800	---	---
	Ant2	5310	36.32	5291.7600	5328.0800	---	---
	Ant1	5510	36.4	5491.6800	5528.0800	---	---
	Ant2	5510	36.4	5491.6800	5528.0800	---	---
	Ant1	5550	36.32	5531.7600	5568.0800	---	---
	Ant2	5550	36.32	5531.7600	5568.0800	---	---
	Ant1	5670	36.4	5651.6800	5688.0800	---	---
	Ant2	5670	36.24	5651.7600	5688.0000	---	---
	Ant1	5710	36.24	5691.7600	5728.0000	---	---
	Ant2	5710	36.24	5691.6800	5727.9200	---	---

	Ant1	5710_UNII-2C	33.24	5691.7600	5725	---	---
	Ant2	5710_UNII-2C	33.32	5691.6800	5725	---	---
	Ant1	5710_UNII-3	3	5725	5728.0000	---	---
	Ant2	5710_UNII-3	2.92	5725	5727.9200	---	---
	Ant1	5755	36.32	5736.7600	5773.0800	---	---
	Ant2	5755	36.32	5736.7600	5773.0800	---	---
	Ant1	5795	36.24	5776.8400	5813.0800	---	---
	Ant2	5795	36.24	5776.9200	5813.1600	---	---
11AC80SISO	Ant1	5210	75.84	5172.0800	5247.9200	---	---
	Ant2	5210	75.84	5171.9200	5247.7600	---	---
	Ant1	5290	75.84	5251.9200	5327.7600	---	---
	Ant2	5290	75.84	5251.9200	5327.7600	---	---
	Ant1	5530	75.84	5491.7600	5567.6000	---	---
	Ant2	5530	75.84	5491.7600	5567.6000	---	---
	Ant1	5610	76	5571.7600	5647.7600	---	---
	Ant2	5610	76	5571.9200	5647.9200	---	---
	Ant1	5690	75.68	5651.7600	5727.4400	---	---
	Ant2	5690	75.84	5651.6000	5727.4400	---	---
	Ant1	5690_UNII-2C	73.24	5651.7600	5725	---	---
	Ant2	5690_UNII-2C	73.4	5651.6000	5725	---	---
	Ant1	5690_UNII-3	2.44	5725	5727.4400	---	---
	Ant2	5690_UNII-3	2.44	5725	5727.4400	---	---
	Ant1	5775	75.52	5736.9200	5812.4400	---	---
	Ant2	5775	76	5736.9200	5812.9200	---	---
11AX20SISO	Ant1	5180	19.08	5170.4000	5189.4800	---	---
	Ant2	5180	19.08	5170.4400	5189.5200	---	---
	Ant1	5200	19.08	5190.4000	5209.4800	---	---
	Ant2	5200	19.12	5190.4000	5209.5200	---	---
	Ant1	5240	19.04	5230.4400	5249.4800	---	---
	Ant2	5240	19.08	5230.4000	5249.4800	---	---
	Ant1	5260	19.12	5250.4000	5269.5200	---	---
	Ant2	5260	19.08	5250.4000	5269.4800	---	---
	Ant1	5280	19.04	5270.4400	5289.4800	---	---
	Ant2	5280	19.08	5270.4000	5289.4800	---	---

	Ant1	5320	19.12	5310.4000	5329.5200	---	---
	Ant2	5320	19.12	5310.4000	5329.5200	---	---
	Ant1	5500	19.08	5490.4000	5509.4800	---	---
	Ant2	5500	19.08	5490.4000	5509.4800	---	---
	Ant1	5580	19.12	5570.4000	5589.5200	---	---
	Ant2	5580	19.08	5570.4000	5589.4800	---	---
	Ant1	5700	19.08	5690.4000	5709.4800	---	---
	Ant2	5700	19.08	5690.4000	5709.4800	---	---
	Ant1	5720	19.12	5710.3200	5729.4400	---	---
	Ant2	5720	19.08	5710.3600	5729.4400	---	---
	Ant1	5720_UNII-2C	14.68	5710.3200	5725	---	---
	Ant2	5720_UNII-2C	14.64	5710.3600	5725	---	---
	Ant1	5720_UNII-3	4.44	5725	5729.4400	---	---
	Ant2	5720_UNII-3	4.44	5725	5729.4400	---	---
	Ant1	5745	19.04	5735.4400	5754.4800	---	---
	Ant2	5745	19.04	5735.4400	5754.4800	---	---
	Ant1	5785	19.08	5775.4400	5794.5200	---	---
	Ant2	5785	19.08	5775.4400	5794.5200	---	---
	Ant1	5825	19.08	5815.4000	5834.4800	---	---
	Ant2	5825	19.08	5815.4000	5834.4800	---	---
11AX40SISO	Ant1	5190	38.08	5170.8800	5208.9600	---	---
	Ant2	5190	37.92	5170.9600	5208.8800	---	---
	Ant1	5230	38	5210.9600	5248.9600	---	---
	Ant2	5230	38	5210.8800	5248.8800	---	---
	Ant1	5270	38	5250.9600	5288.9600	---	---
	Ant2	5270	38.08	5250.8800	5288.9600	---	---
	Ant1	5310	37.92	5290.9600	5328.8800	---	---
	Ant2	5310	38	5290.8800	5328.8800	---	---
	Ant1	5510	38	5490.8800	5528.8800	---	---
	Ant2	5510	38	5490.8800	5528.8800	---	---
	Ant1	5550	38	5530.8800	5568.8800	---	---
	Ant2	5550	38	5530.8800	5568.8800	---	---
	Ant1	5670	38	5650.8800	5688.8800	---	---
	Ant2	5670	37.92	5650.8800	5688.8000	---	---

	Ant1	5710	37.92	5690.8800	5728.8000	---	---
	Ant2	5710	37.92	5690.8800	5728.8000	---	---
	Ant1	5710_UNII-2C	34.12	5690.8800	5725	---	---
	Ant2	5710_UNII-2C	34.12	5690.8800	5725	---	---
	Ant1	5710_UNII-3	3.8	5725	5728.8000	---	---
	Ant2	5710_UNII-3	3.8	5725	5728.8000	---	---
	Ant1	5755	37.92	5735.9600	5773.8800	---	---
	Ant2	5755	37.92	5735.9600	5773.8800	---	---
	Ant1	5795	38	5775.9600	5813.9600	---	---
	Ant2	5795	37.92	5776.0400	5813.9600	---	---
11AX80SISO	Ant1	5210	77.6	5170.9600	5248.5600	---	---
	Ant2	5210	77.6	5170.9600	5248.5600	---	---
	Ant1	5290	77.6	5251.1200	5328.7200	---	---
	Ant2	5290	77.44	5251.1200	5328.5600	---	---
	Ant1	5530	77.6	5490.9600	5568.5600	---	---
	Ant2	5530	77.6	5490.9600	5568.5600	---	---
	Ant1	5610	77.76	5570.9600	5648.7200	---	---
	Ant2	5610	77.76	5571.1200	5648.8800	---	---
	Ant1	5690	77.44	5650.9600	5728.4000	---	---
	Ant2	5690	77.44	5650.8000	5728.2400	---	---
	Ant1	5690_UNII-2C	74.04	5650.9600	5725	---	---
	Ant2	5690_UNII-2C	74.2	5650.8000	5725	---	---
	Ant1	5690_UNII-3	3.4	5725	5728.4000	---	---
	Ant2	5690_UNII-3	3.24	5725	5728.2400	---	---
	Ant1	5775	77.6	5735.9600	5813.5600	---	---
	Ant2	5775	77.6	5736.1200	5813.7200	---	---

6.5. Test graphs

