

3.3 Spectrum Bandwidth

3.3.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a) 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	26 dB Bandwidth	-	5725-5850
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

3.3.2 Test Procedure

Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

a) The EUT was directly connected to the tonscend test system and antenna output port as show in the block diagram below.

b) the spectrum analyser is set as follow:

For 26 dB Bandwidth

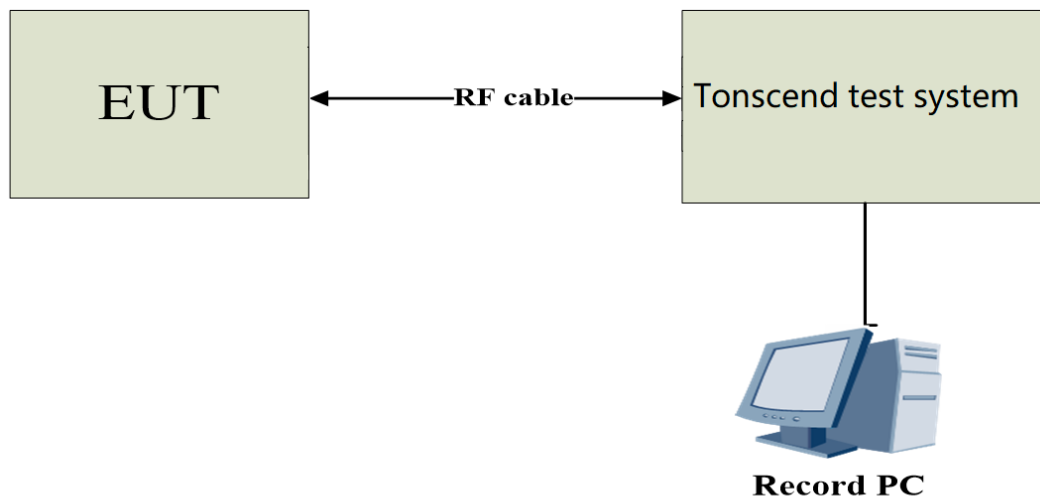
Centre Frequency	The centre frequency of the channel under test
RBW	1%~5% x Nominal Channel Bandwidth
VBW	≥3 x RBW
Frequency span	2 x Nominal Channel Bandwidth
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

For 6 dB Bandwidth

Centre Frequency	The centre frequency of the channel under test
RBW	100 kHz
VBW	300 kHz
Frequency span	2 x Nominal Channel Bandwidth
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

- c) Wait for the trace to stabilize then find the peak value of the trace and place the analyser marker on this peak.
- d) Use the -26/-6dB bandwidth function of the spectrum analyser to measure the -26/-6dB Bandwidth of the EUT. This value shall be recorded.
- e) Make sure that the power envelope is sufficiently above the noise floor of the analyser to avoid the noise signals left and right from the power envelope being taken into account by this measurement.

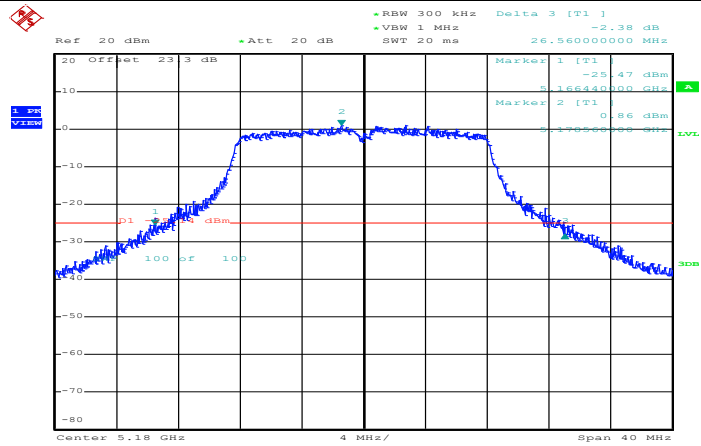
3.3.3 Test Setup



3.3.4 Test Result

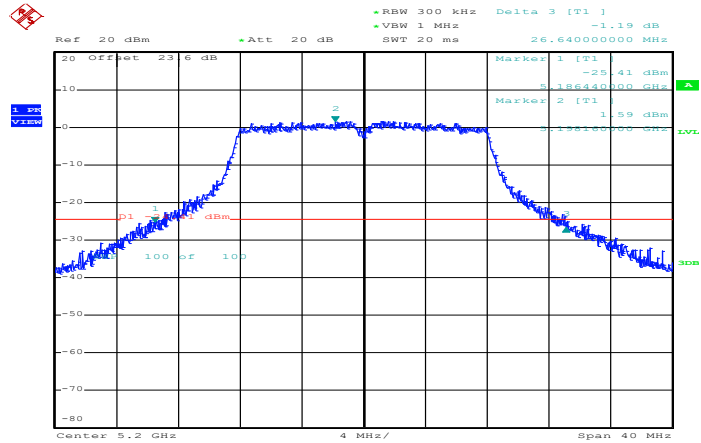
26 dB Bandwidth

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	26.56	5166.44	5193.00	---	---
11A	Ant1	5200	26.64	5186.44	5213.08	---	---
11A	Ant1	5240	26.84	5226.24	5253.08	---	---
11A	Ant1	5745	27.60	5731.12	5758.72	---	---
11A	Ant1	5785	26.60	5770.84	5797.44	---	---
11A	Ant1	5825	26.00	5811.68	5837.68	---	---
11N20SISO	Ant1	5180	27.44	5166.16	5193.60	---	---
11N20SISO	Ant1	5200	28.20	5186.00	5214.20	---	---
11N20SISO	Ant1	5240	28.20	5225.80	5254.00	---	---
11N20SISO	Ant1	5745	28.48	5730.56	5759.04	---	---
11N20SISO	Ant1	5785	28.20	5770.52	5798.72	---	---
11N20SISO	Ant1	5825	28.00	5811.00	5839.00	---	---
11N40SISO	Ant1	5190	49.60	5165.12	5214.72	---	---
11N40SISO	Ant1	5230	50.24	5205.04	5255.28	---	---
11N40SISO	Ant1	5755	50.08	5730.12	5780.20	---	---
11N40SISO	Ant1	5795	50.72	5769.08	5819.80	---	---
11AC20SISO	Ant1	5180	27.28	5166.32	5193.60	---	---
11AC20SISO	Ant1	5200	27.96	5186.56	5214.52	---	---
11AC20SISO	Ant1	5240	27.52	5226.36	5253.88	---	---
11AC20SISO	Ant1	5745	28.72	5730.20	5758.92	---	---
11AC20SISO	Ant1	5785	27.76	5770.72	5798.48	---	---
11AC20SISO	Ant1	5825	27.88	5810.80	5838.68	---	---
11AC40SISO	Ant1	5190	49.04	5165.12	5214.16	---	---
11AC40SISO	Ant1	5230	48.88	5205.36	5254.24	---	---
11AC40SISO	Ant1	5755	55.76	5724.60	5780.36	---	---
11AC40SISO	Ant1	5795	56.24	5763.96	5820.20	---	---
11AC80SISO	Ant1	5210	104.16	5152.56	5256.72	---	---
11AC80SISO	Ant1	5775	107.20	5714.36	5821.56	---	---
11AX20SISO	Ant1	5180	27.44	5166.16	5193.60	---	---
11AX20SISO	Ant1	5200	26.92	5186.40	5213.32	---	---
11AX20SISO	Ant1	5240	26.04	5227.32	5253.36	---	---
11AX20SISO	Ant1	5745	27.08	5731.52	5758.60	---	---
11AX20SISO	Ant1	5785	26.76	5770.76	5797.52	---	---
11AX20SISO	Ant1	5825	25.60	5812.04	5837.64	---	---
11AX40SISO	Ant1	5190	48.64	5165.36	5214.00	---	---
11AX40SISO	Ant1	5230	48.56	5205.36	5253.92	---	---
11AX40SISO	Ant1	5755	48.64	5730.52	5779.16	---	---
11AX40SISO	Ant1	5795	49.12	5770.28	5819.40	---	---
11AX80SISO	Ant1	5210	92.96	5163.92	5256.88	---	---
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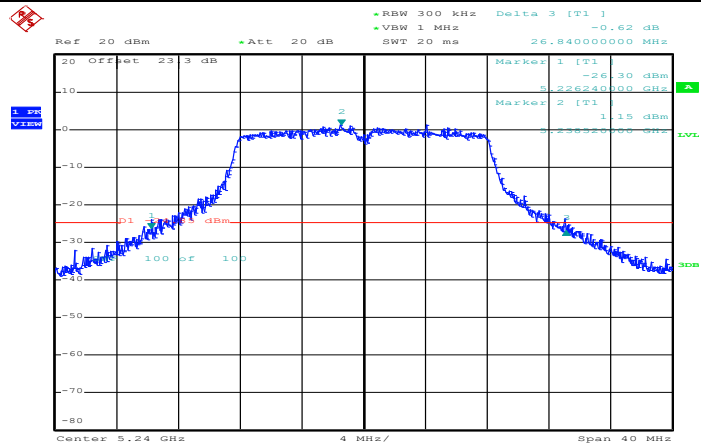
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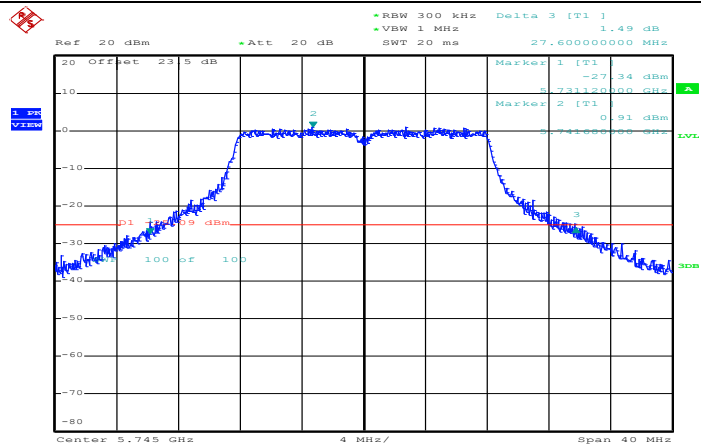
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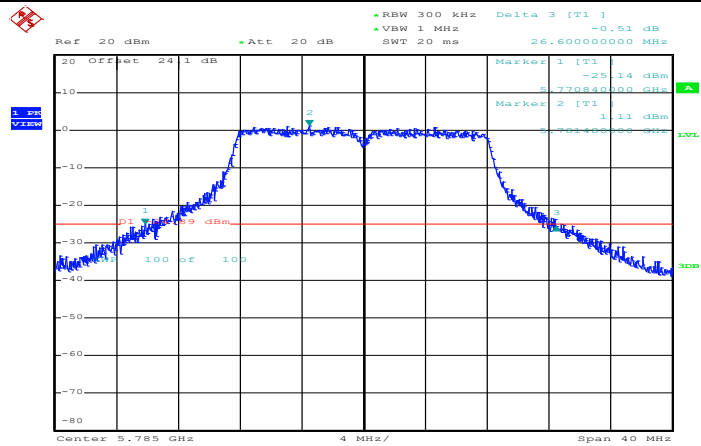
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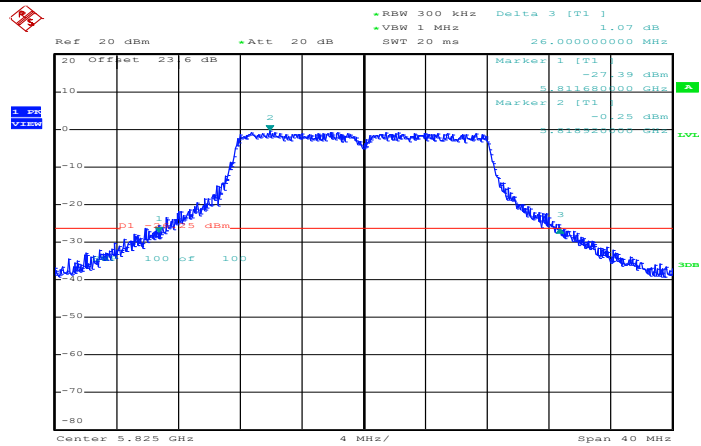
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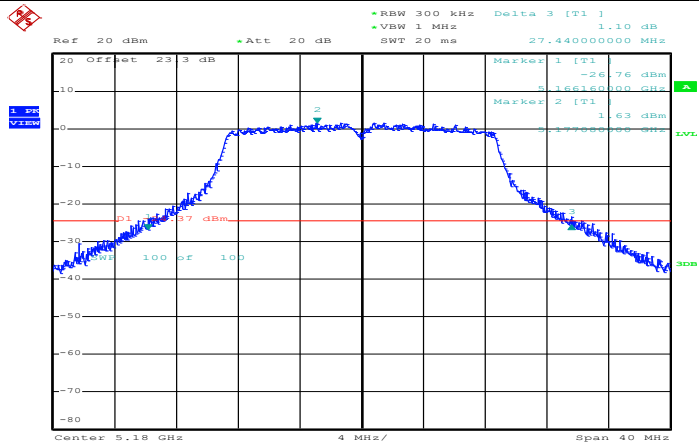
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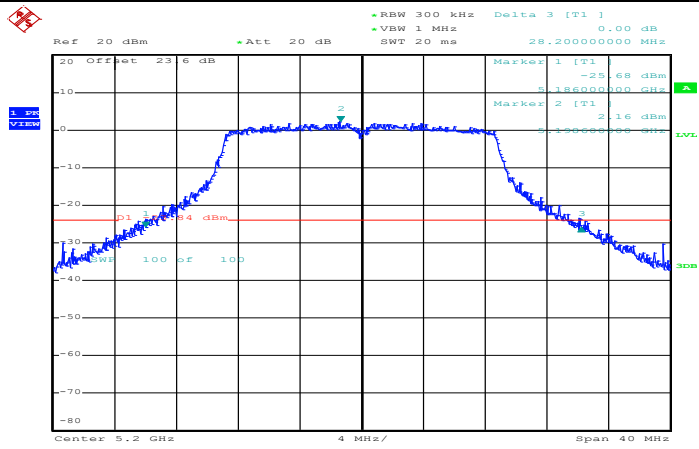
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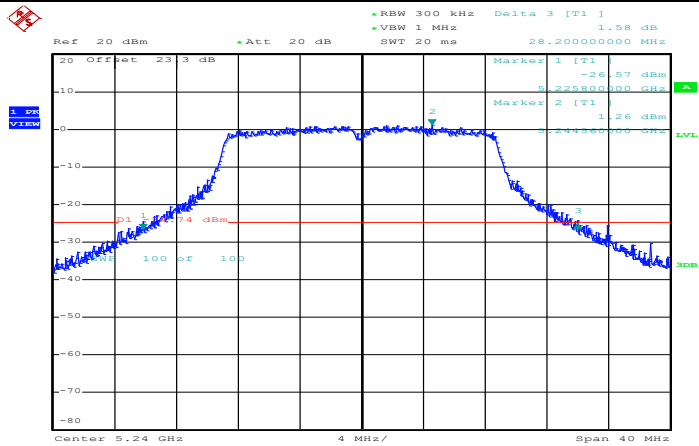
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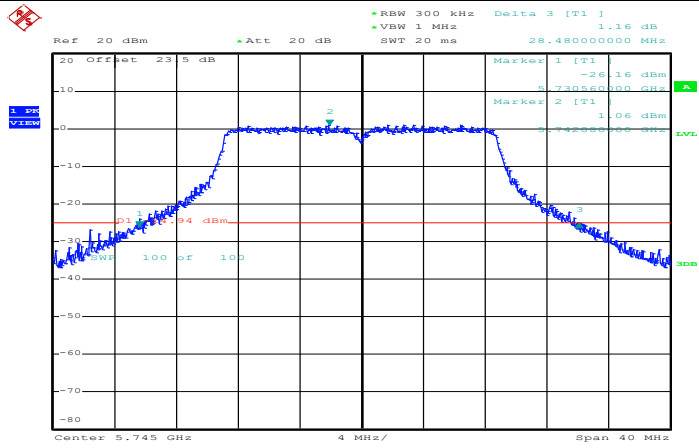
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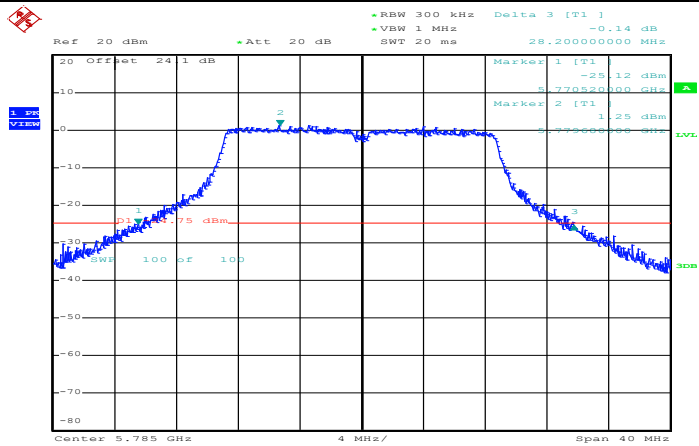
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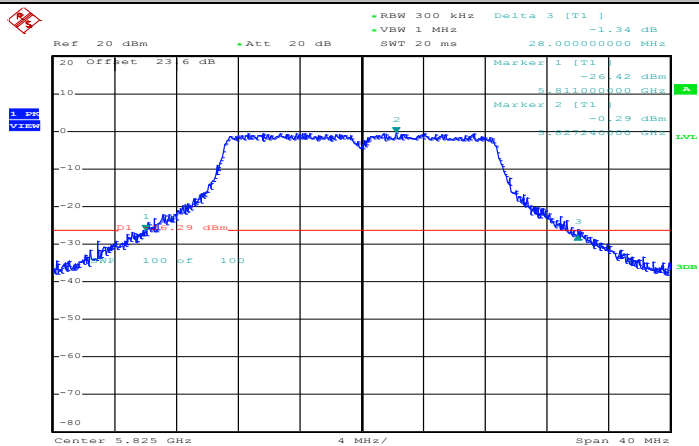
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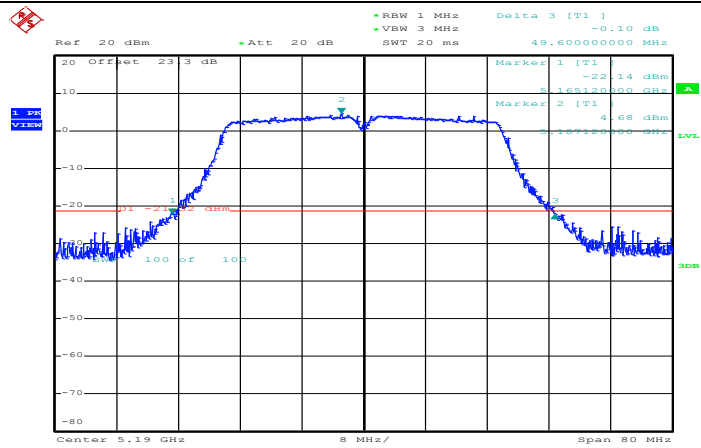
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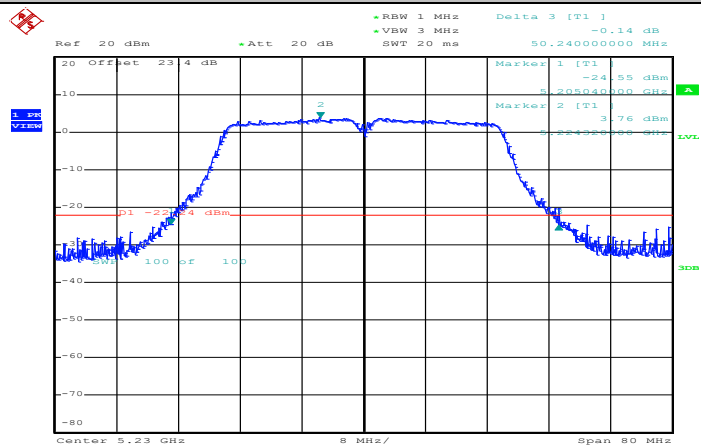
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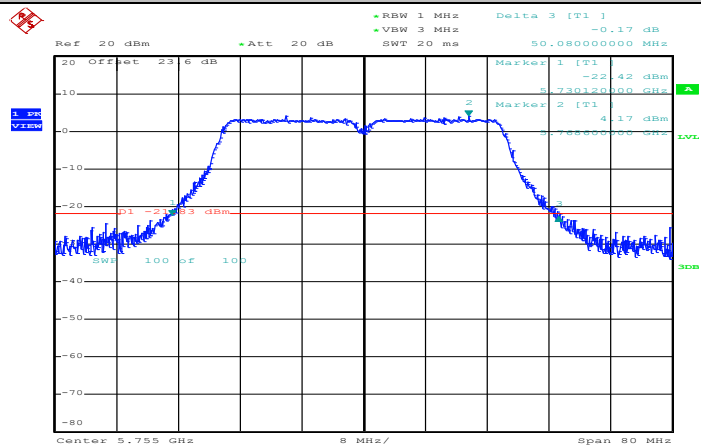
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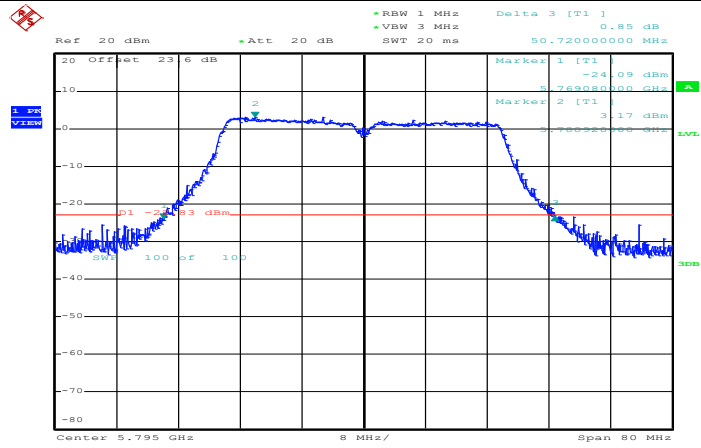
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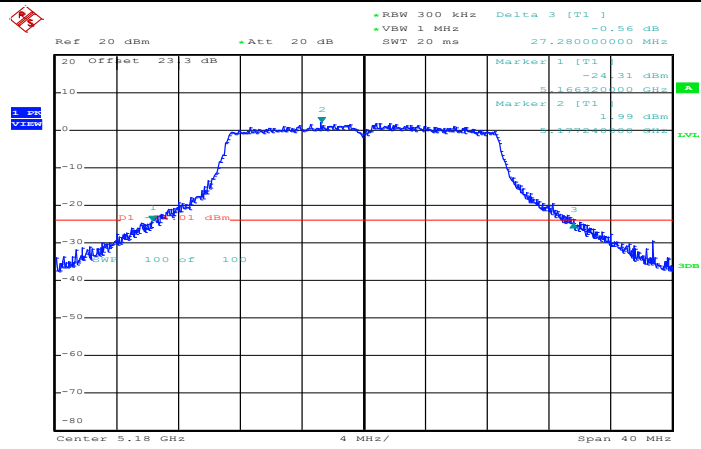
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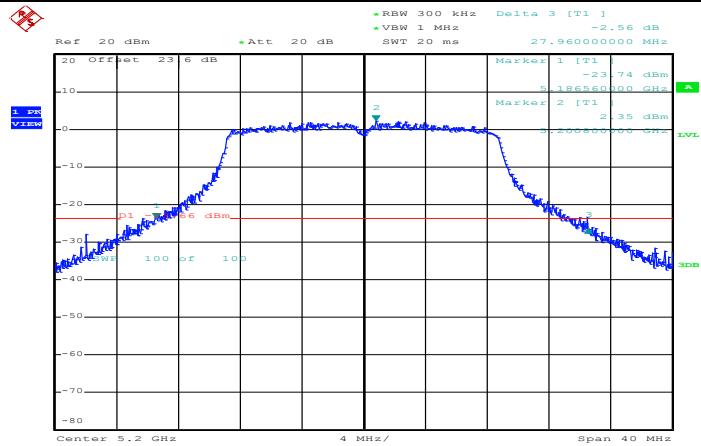
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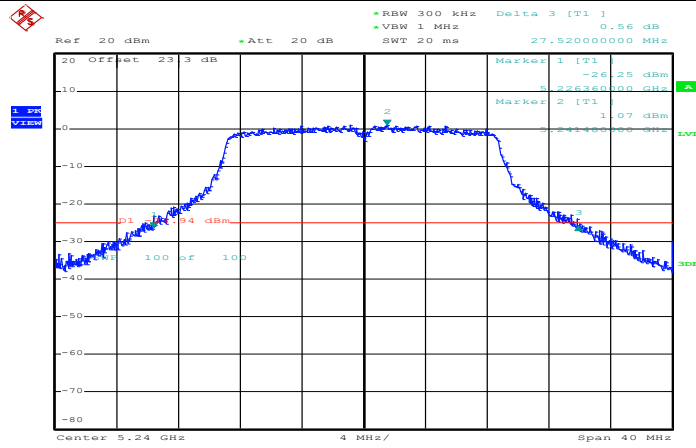
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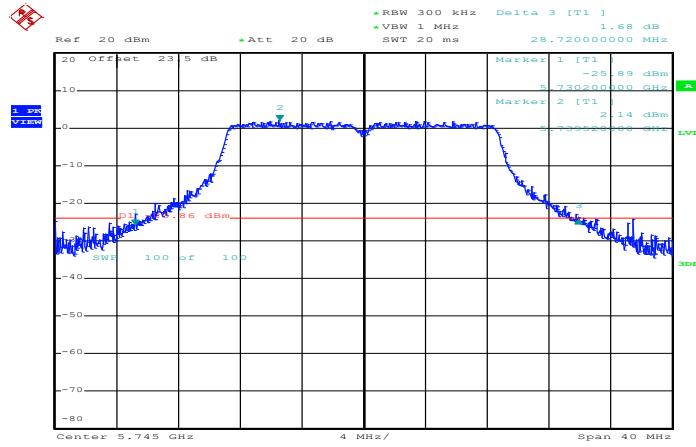
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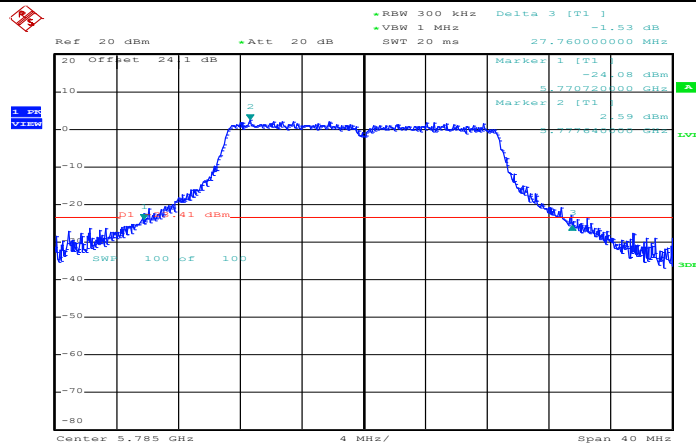
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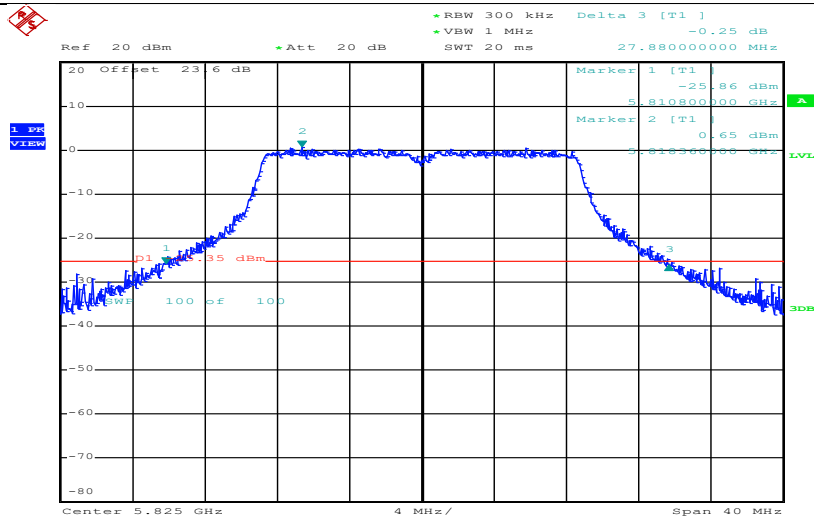
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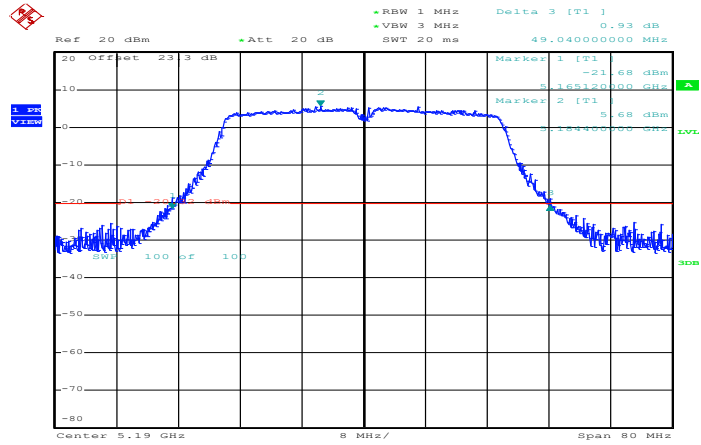
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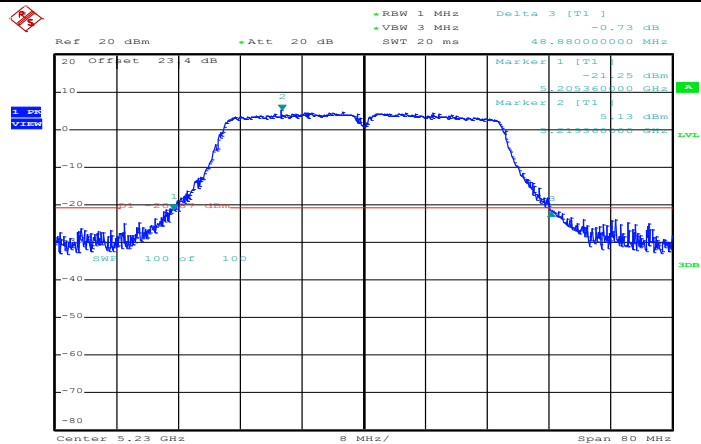
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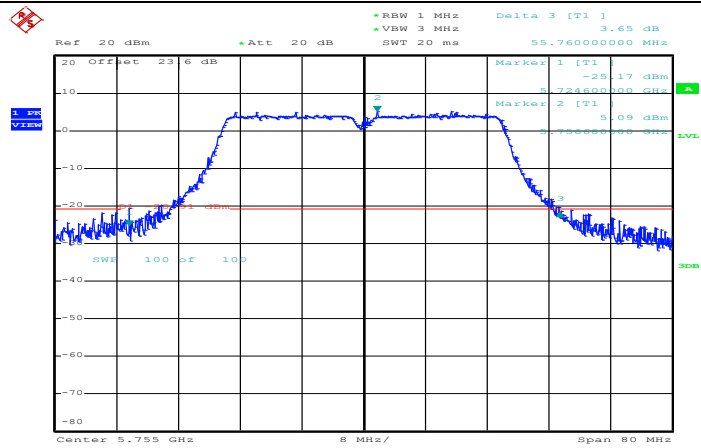
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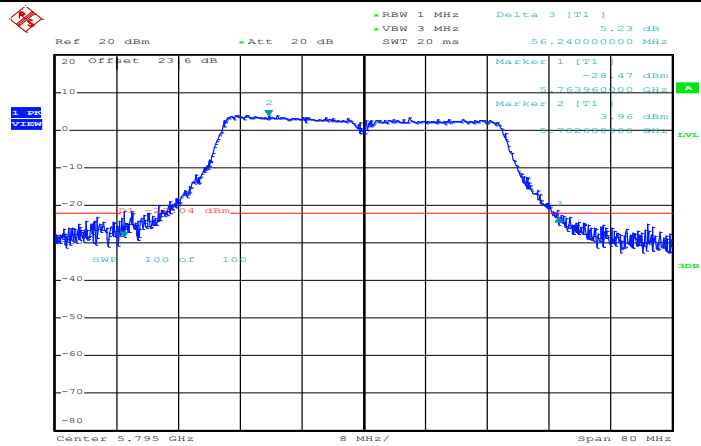
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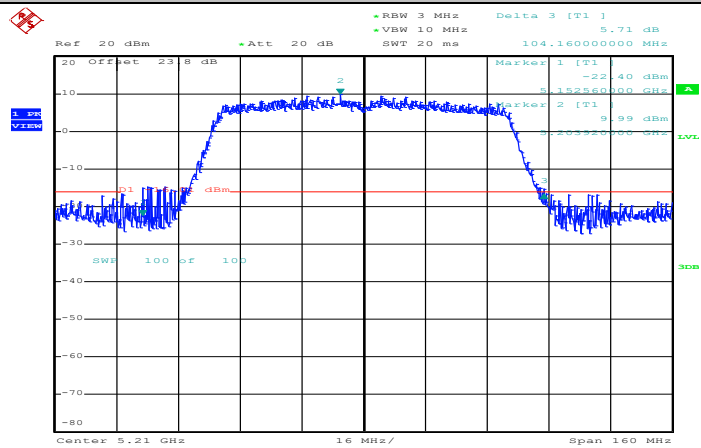
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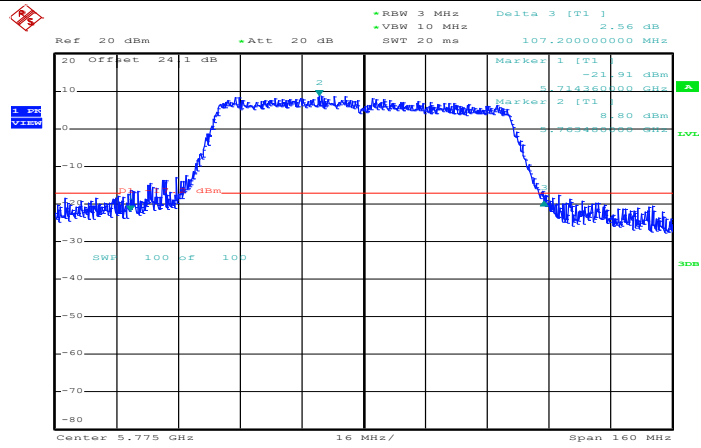
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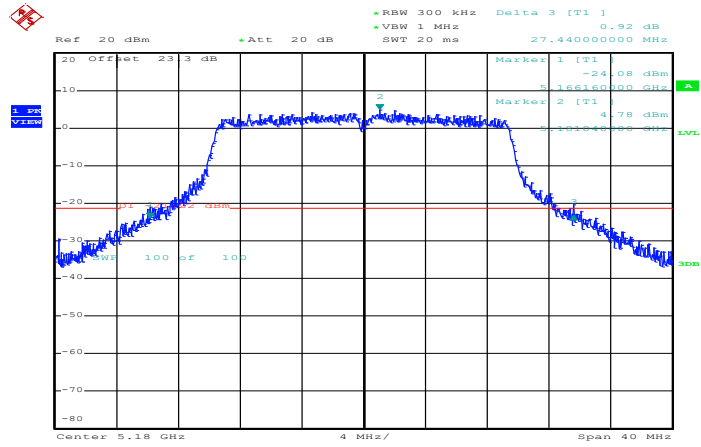
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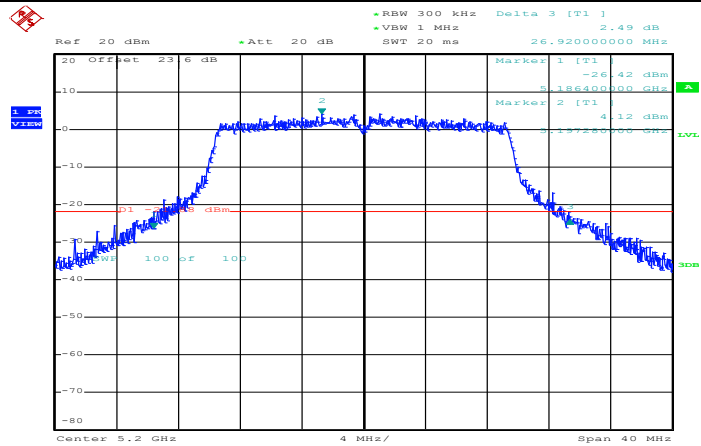
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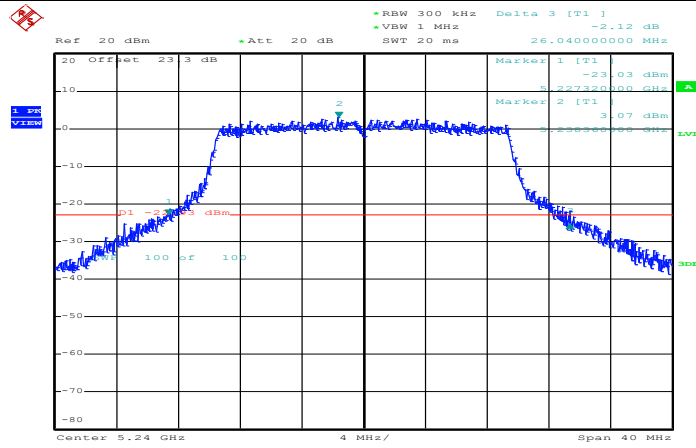
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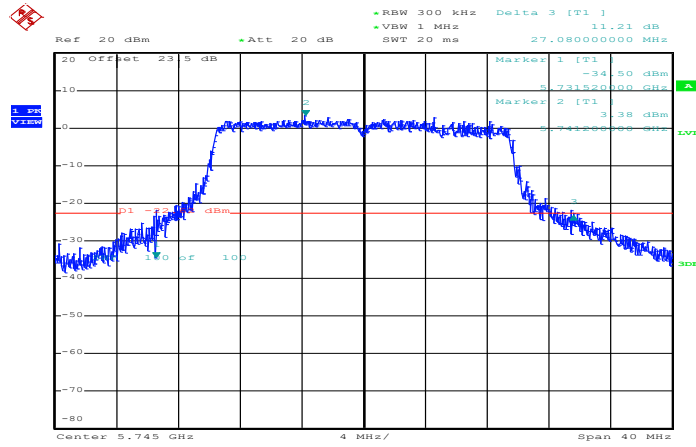
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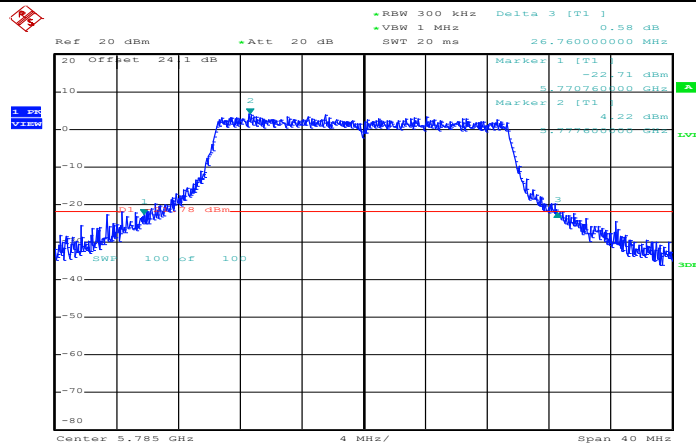
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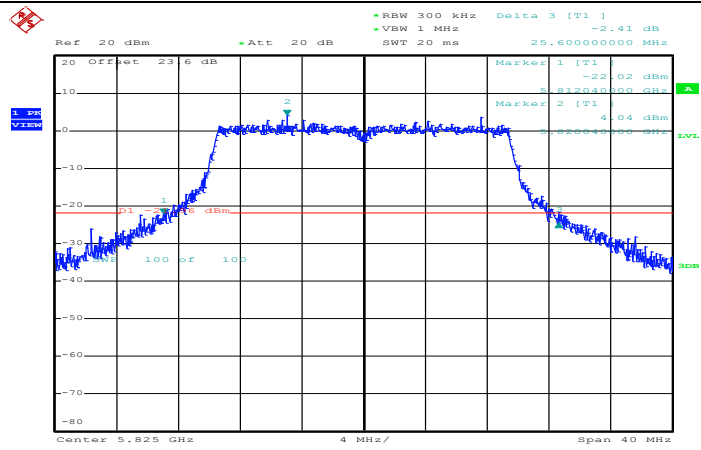
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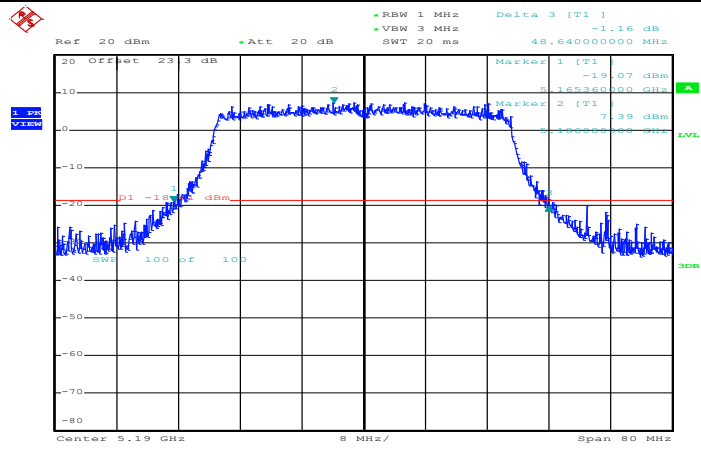
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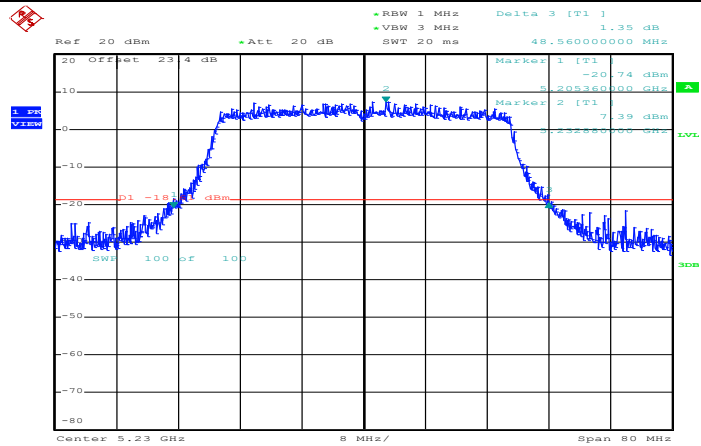
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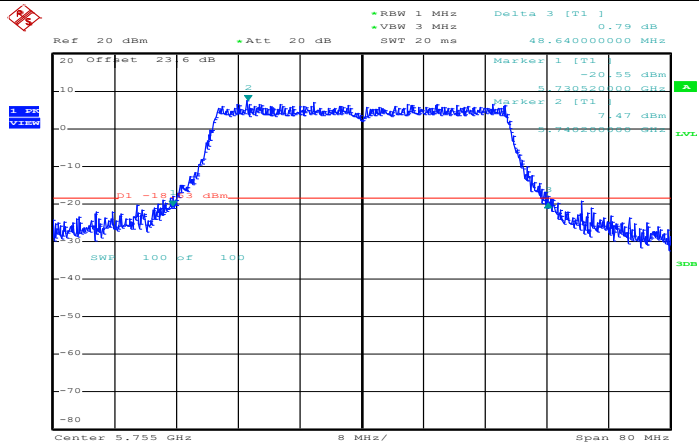
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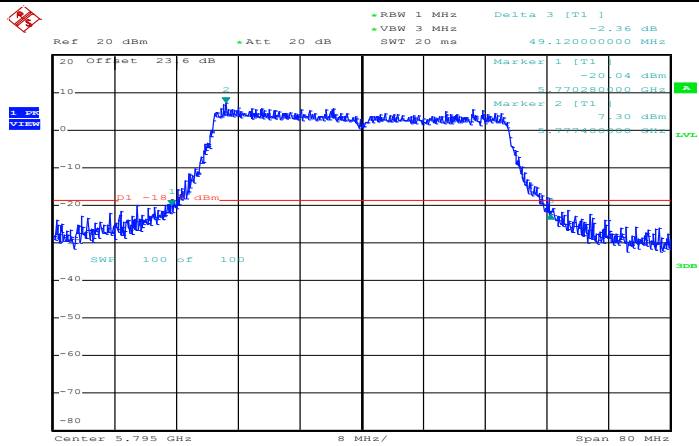
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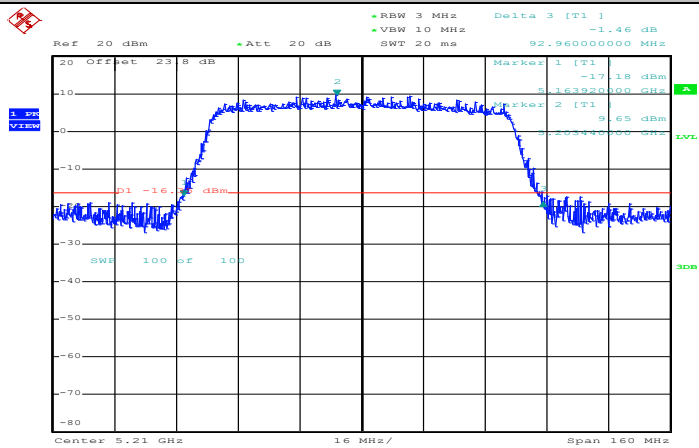
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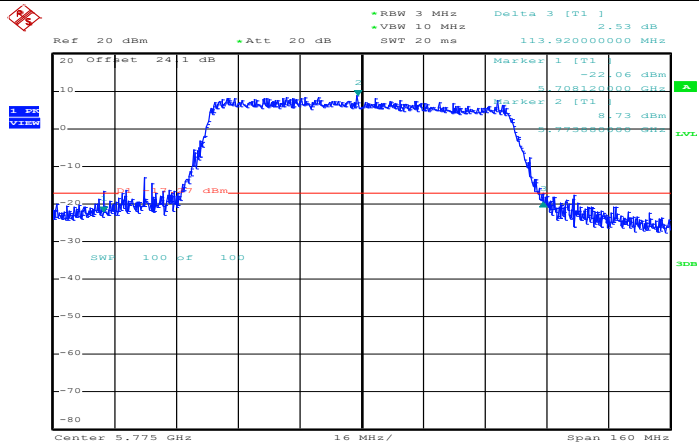
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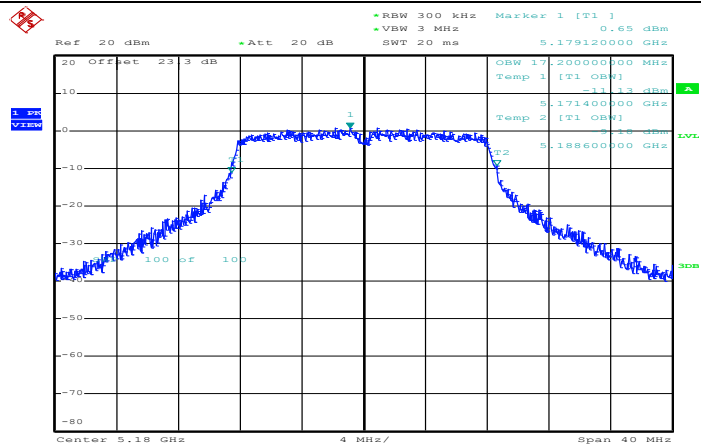


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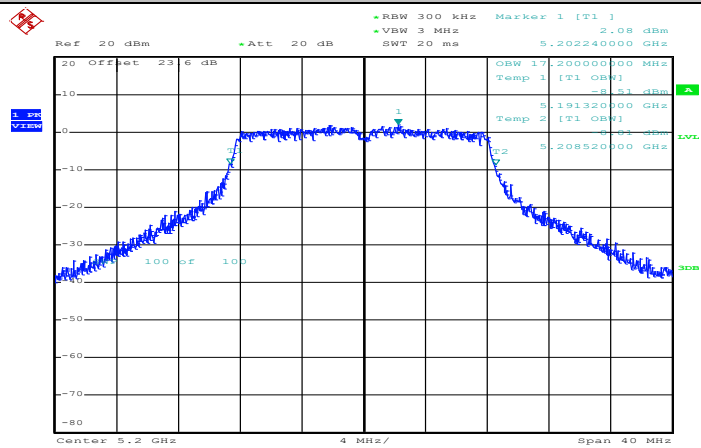
Occupied channel bandwidth

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.200	5171.4000	5188.6000	---	---
11A	Ant1	5200	17.200	5191.3200	5208.5200	---	---
11A	Ant1	5240	17.160	5231.3600	5248.5200	---	---
11A	Ant1	5745	17.360	5736.2400	5753.6000	---	---
11A	Ant1	5785	17.480	5776.0400	5793.5200	---	---
11A	Ant1	5825	17.360	5816.2400	5833.6000	---	---
11N20SISO	Ant1	5180	18.480	5170.7600	5189.2400	---	---
11N20SISO	Ant1	5200	18.440	5190.7200	5209.1600	---	---
11N20SISO	Ant1	5240	18.480	5230.7200	5249.2000	---	---
11N20SISO	Ant1	5745	18.680	5735.6000	5754.2800	---	---
11N20SISO	Ant1	5785	18.680	5775.4800	5794.1600	---	---
11N20SISO	Ant1	5825	18.640	5815.6000	5834.2400	---	---
11N40SISO	Ant1	5190	37.440	5171.2000	5208.6400	---	---
11N40SISO	Ant1	5230	37.760	5211.0400	5248.8000	---	---
11N40SISO	Ant1	5755	37.920	5735.9600	5773.8800	---	---
11N40SISO	Ant1	5795	38.080	5775.7200	5813.8000	---	---
11AC20SISO	Ant1	5180	18.400	5170.7600	5189.1600	---	---
11AC20SISO	Ant1	5200	18.480	5190.7200	5209.2000	---	---
11AC20SISO	Ant1	5240	18.400	5230.7600	5249.1600	---	---
11AC20SISO	Ant1	5745	18.760	5735.5600	5754.3200	---	---
11AC20SISO	Ant1	5785	18.680	5775.4800	5794.1600	---	---
11AC20SISO	Ant1	5825	18.640	5815.6000	5834.2400	---	---
11AC40SISO	Ant1	5190	37.600	5171.1200	5208.7200	---	---
11AC40SISO	Ant1	5230	37.680	5211.1200	5248.8000	---	---
11AC40SISO	Ant1	5755	37.920	5735.8800	5773.8000	---	---
11AC40SISO	Ant1	5795	38.240	5775.6400	5813.8800	---	---
11AC80SISO	Ant1	5210	78.240	5170.8000	5249.0400	---	---
11AC80SISO	Ant1	5775	78.560	5735.3200	5813.8800	---	---
11AX20SISO	Ant1	5180	19.360	5170.2800	5189.6400	---	---
11AX20SISO	Ant1	5200	19.320	5190.2800	5209.6000	---	---
11AX20SISO	Ant1	5240	19.320	5230.3200	5249.6400	---	---
11AX20SISO	Ant1	5745	19.480	5735.2400	5754.7200	---	---
11AX20SISO	Ant1	5785	19.520	5775.1200	5794.6400	---	---
11AX20SISO	Ant1	5825	19.480	5815.2000	5834.6800	---	---
11AX40SISO	Ant1	5190	38.560	5170.7200	5209.2800	---	---
11AX40SISO	Ant1	5230	38.640	5210.5600	5249.2000	---	---
11AX40SISO	Ant1	5755	38.800	5735.4800	5774.2800	---	---
11AX40SISO	Ant1	5795	39.040	5775.3200	5814.3600	---	---
11AX80SISO	Ant1	5210	79.200	5170.3200	5249.5200	---	---
11AX80SISO	Ant1	5775	80.000	5734.6800	5814.6800	---	---



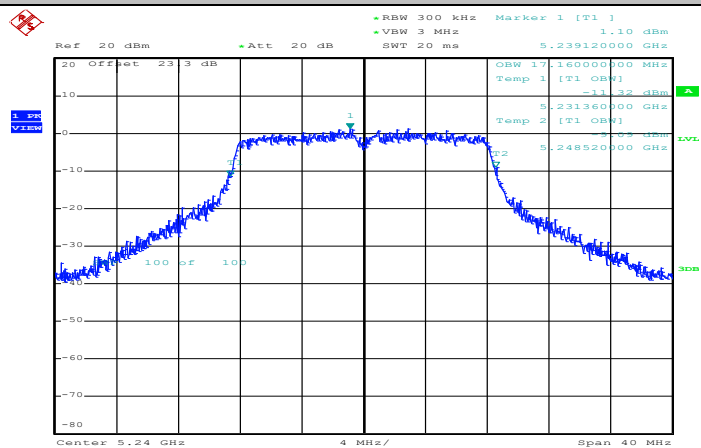
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11A-Ant1-5180



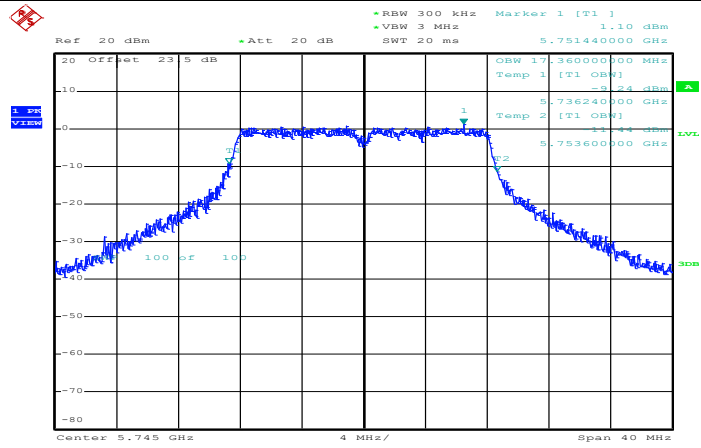
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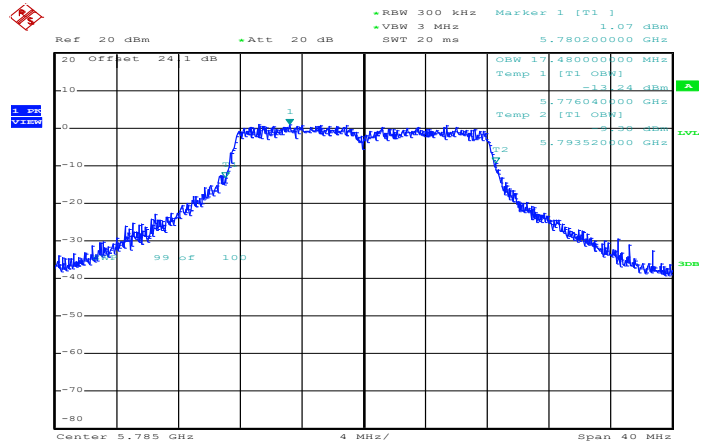
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11A-Ant1-5240



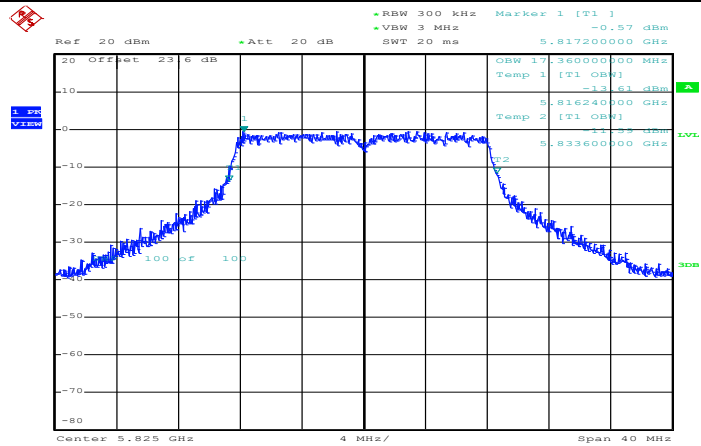
Date: 5.AUG.2026 22:55:09

11A-Ant1-5745



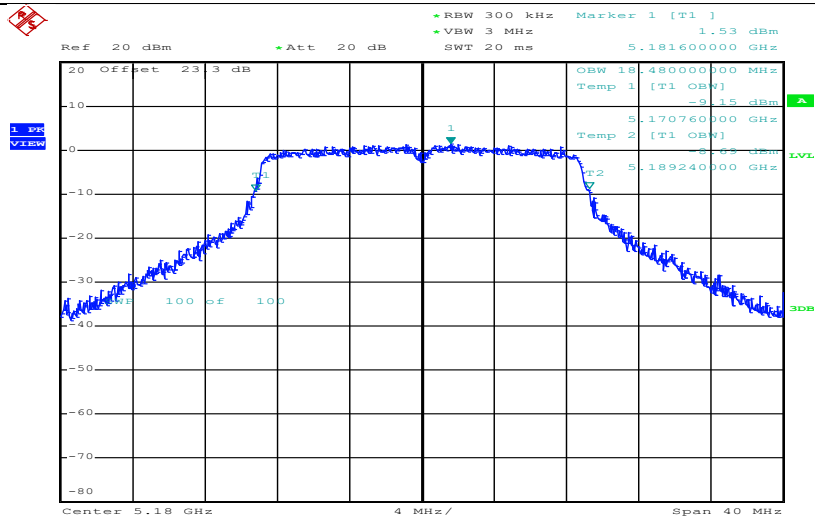
Date: 5.AUG.2026 22:56:48

11A-Ant1-5785



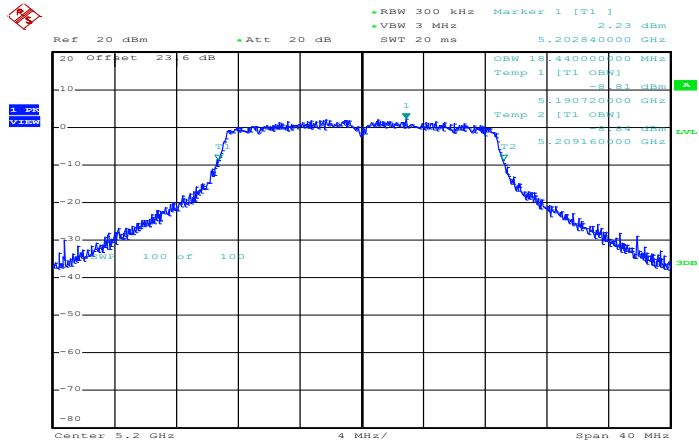
Date: 5.AUG.2026 22:58:55

11A-Ant1-5825



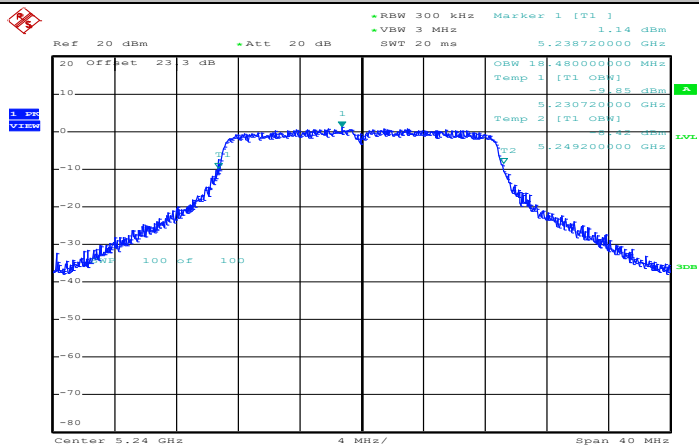
Date: 5.AUG.2026 23:00:23

11N20SISO-Ant1-5180



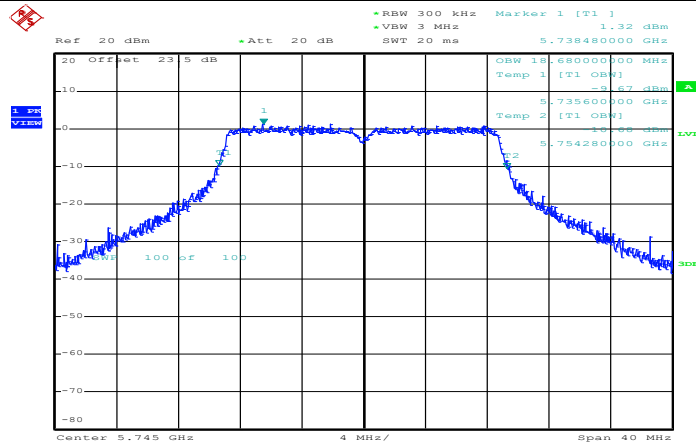
Date: 5.AUG.2026 23:02:14

11N20SISO-Ant1-5200



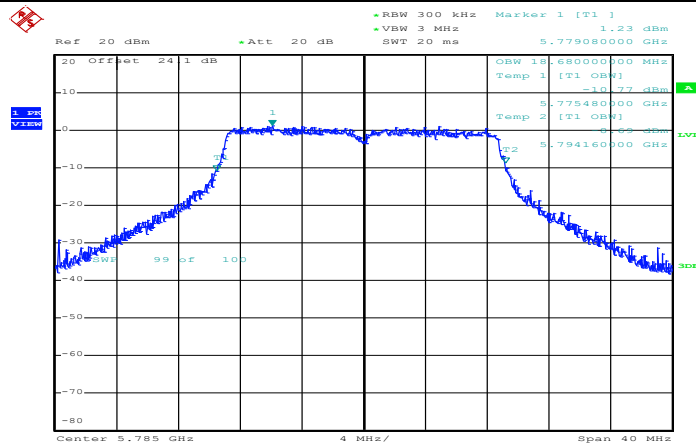
Date: 5.AUG.2026 23:03:42

11N20SISO-Ant1-5240



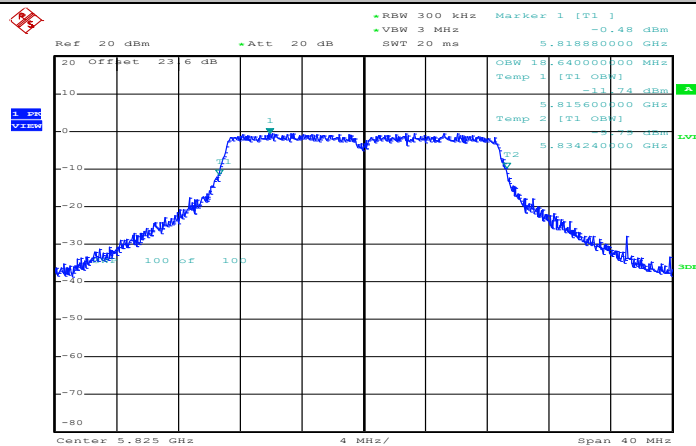
Date: 5.AUG.2026 23:05:36

11N20SISO-Ant1-5745



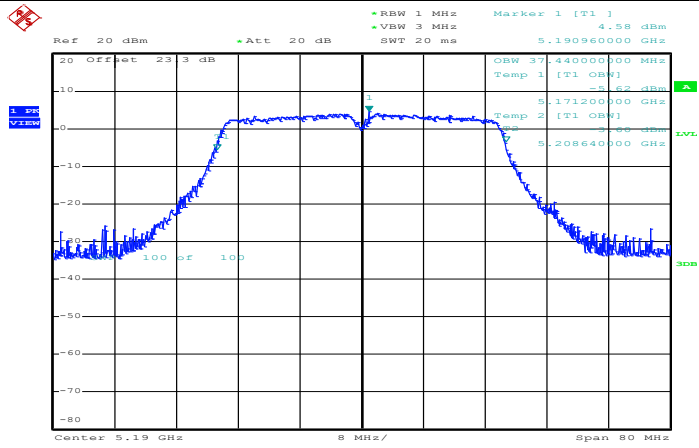
Date: 5.AUG.2026 23:07:11

11N20SISO-Ant1-5785



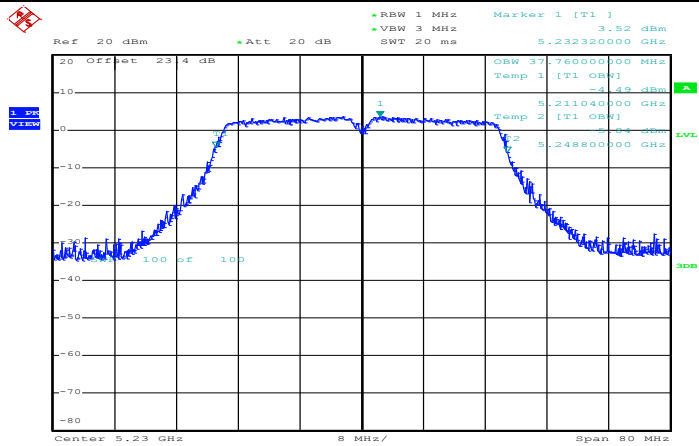
Date: 5.AUG.2026 23:08:48

11N20SISO-Ant1-5825



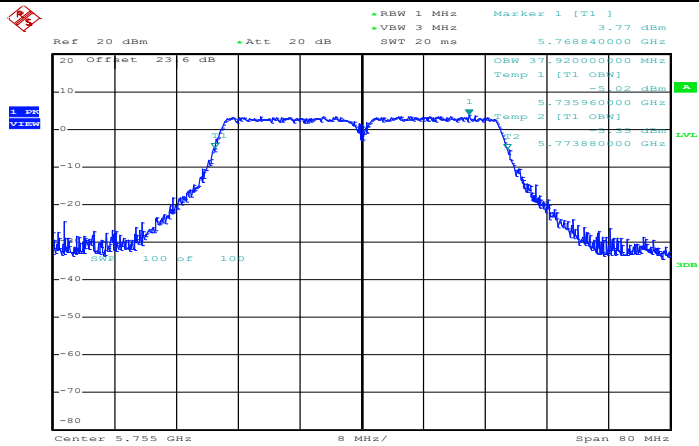
Date: 5.AUG.2026 23:32:02

11N40SISO-Ant1-5190



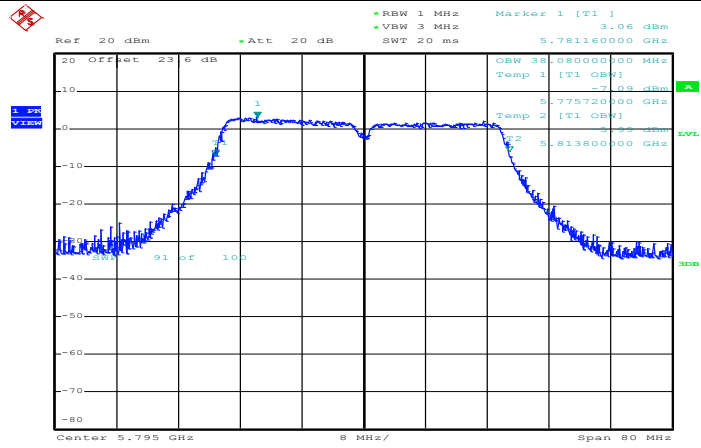
Date: 5.AUG.2026 23:33:25

11N40SISO-Ant1-5230



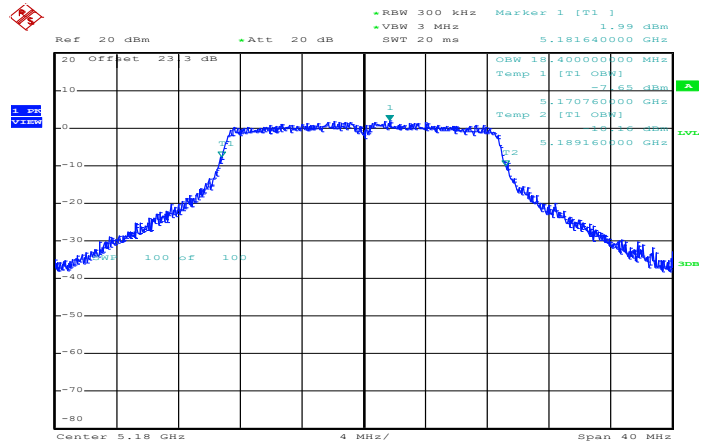
Date: 5.AUG.2026 23:35:13

11N40SISO-Ant1-5755



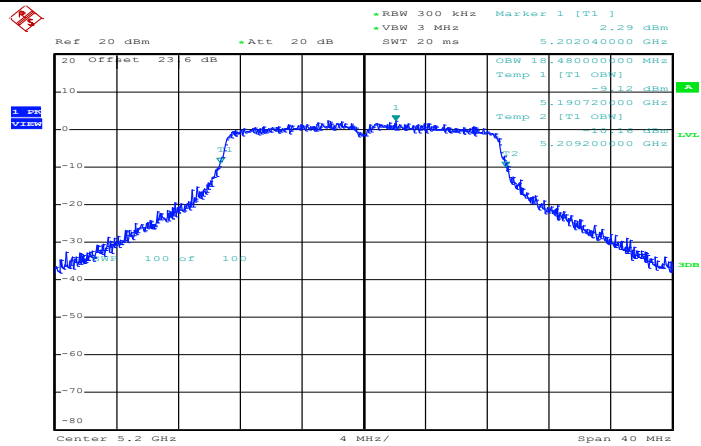
Date: 5.AUG.2026 23:36:44

11N40SISO-Ant1-5795



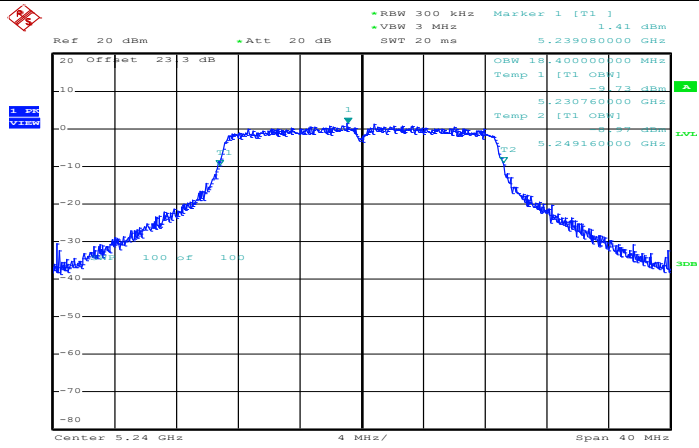
Date: 5.AUG.2026 23:10:18

11AC20SISO-Ant1-5180



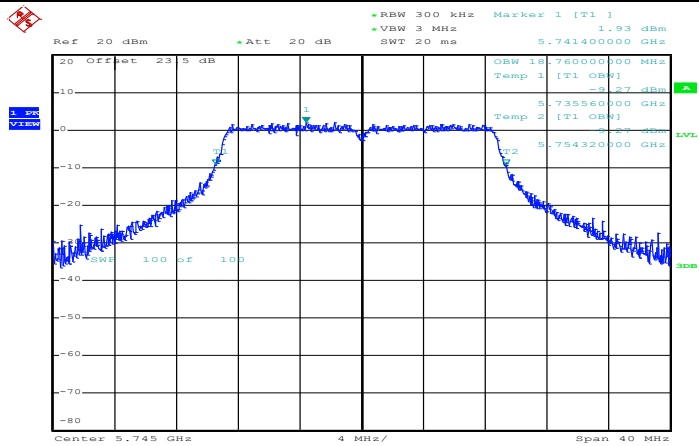
Date: 5.AUG.2026 23:12:45

11AC20SISO-Ant1-5200



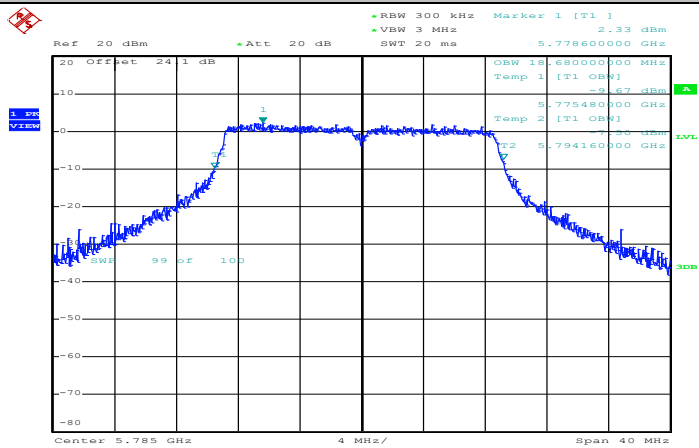
Date: 5.AUG.2026 23:14:12

11AC20SISO-Ant1-5240



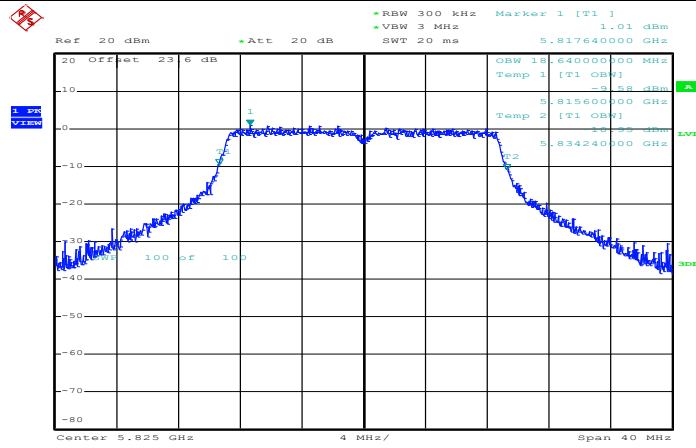
Date: 5.AUG.2026 23:15:49

11AC20SISO-Ant1-5745



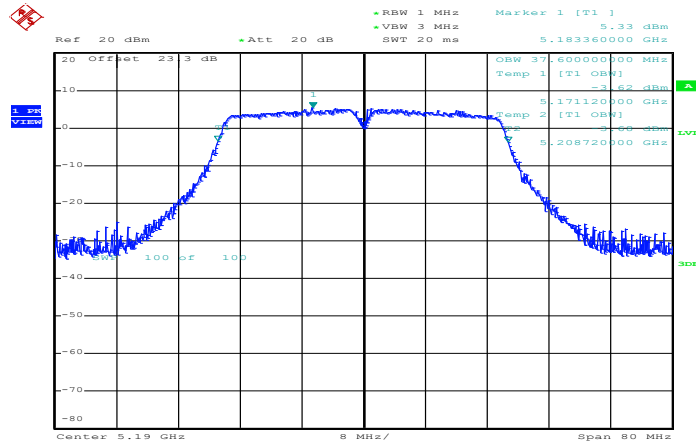
Date: 5.AUG.2026 23:17:27

11AC20SISO-Ant1-5785



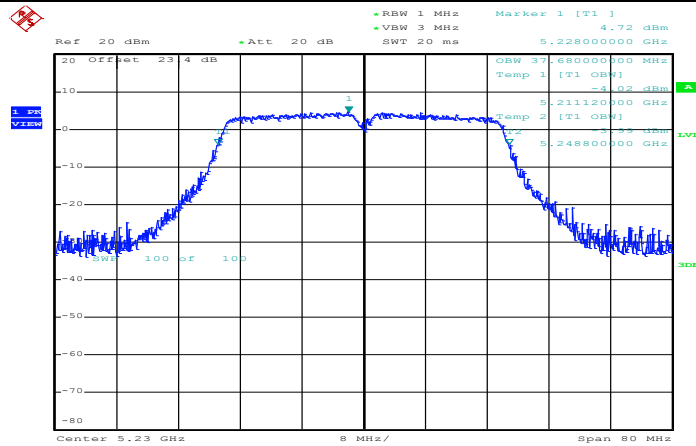
Date: 5.AUG.2026 23:19:05

11AC20SISO-Ant1-5825



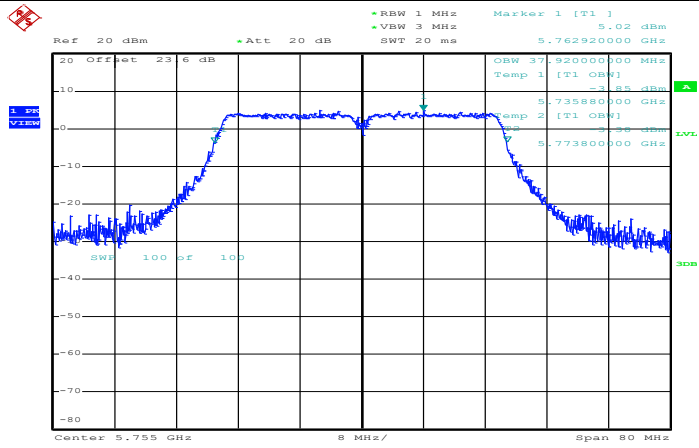
Date: 5.AUG.2026 23:38:06

11AC40SISO-Ant1-5190



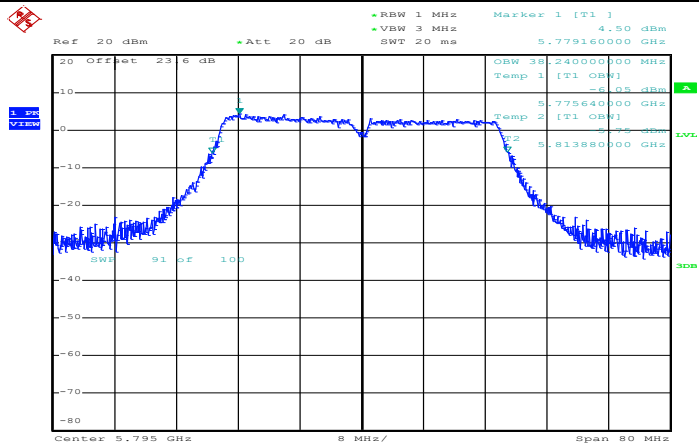
Date: 5.AUG.2026 23:39:29

11AC40SISO-Ant1-5230



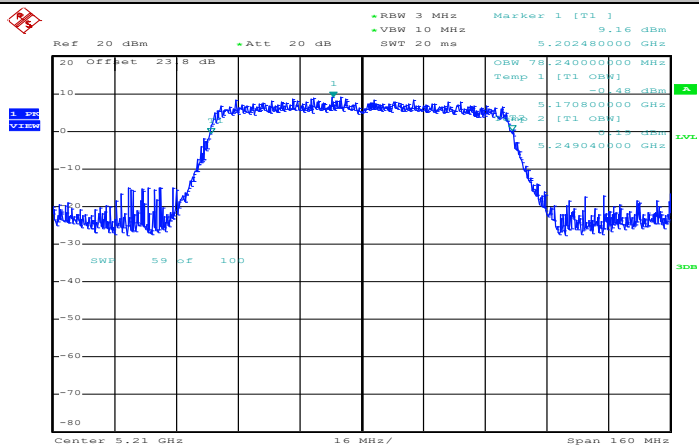
Date: 5.AUG.2026 23:41:01

11AC40SISO-Ant1-5755



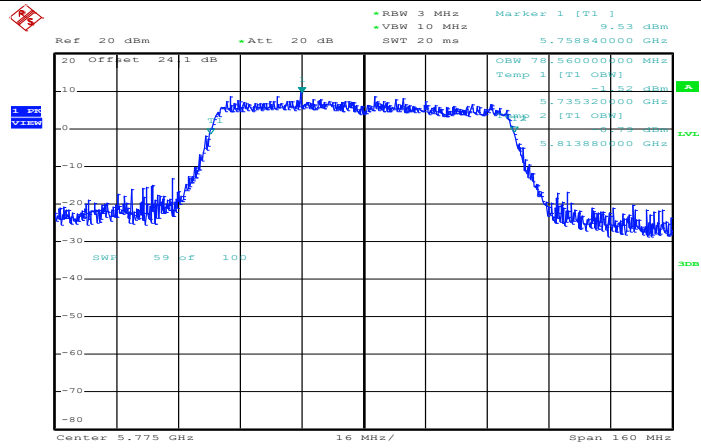
Date: 5.AUG.2026 23:42:32

11AC40SISO-Ant1-5795



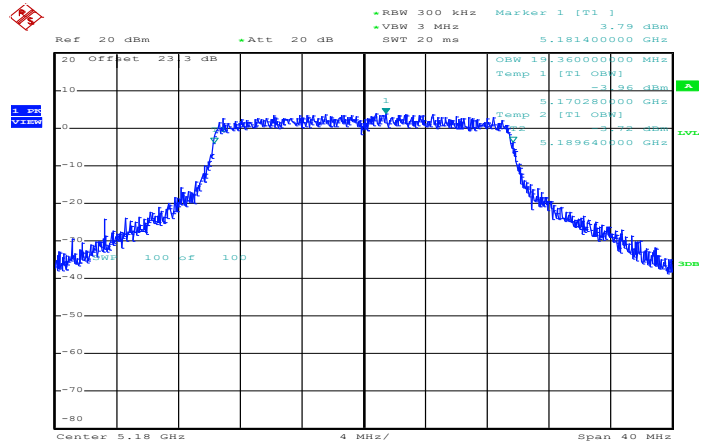
Date: 5.AUG.2026 23:52:14

11AC80SISO-Ant1-5210



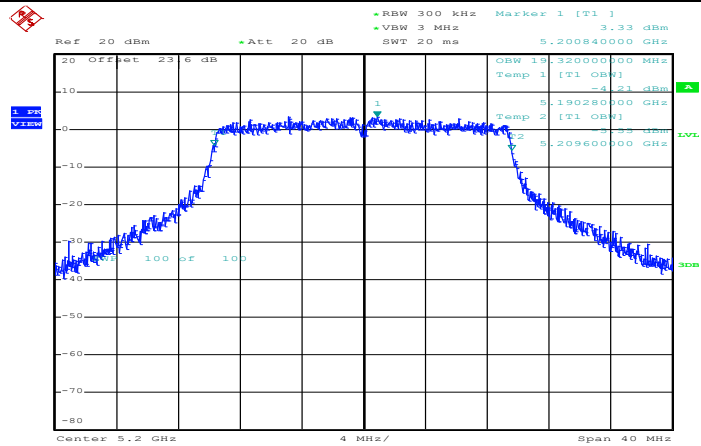
Date: 5.AUG.2026 23:53:51

11AC80SISO-Ant1-5775



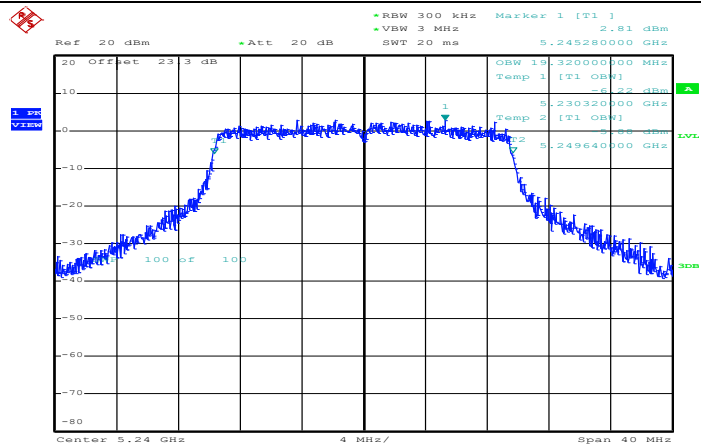
Date: 5.AUG.2026 23:20:59

11AX20SISO-Ant1-5180



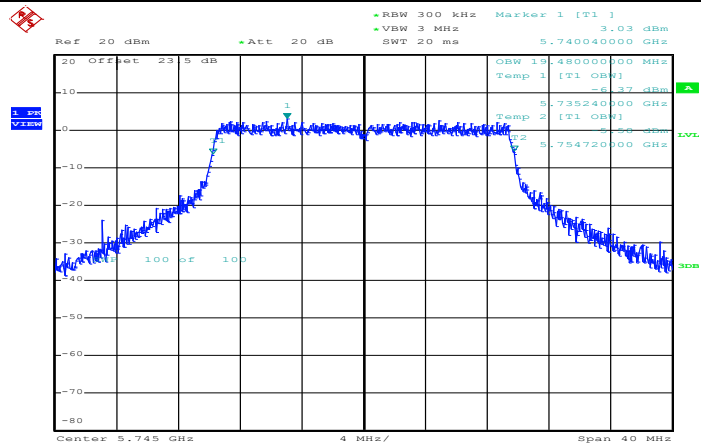
Date: 5.AUG.2026 23:22:24

11AX20SISO-Ant1-5200



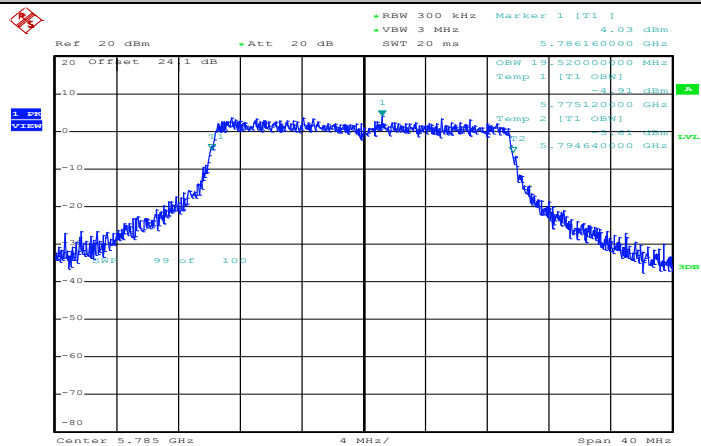
Date: 5.AUG.2026 23:23:49

11AX20SISO-Ant1-5240



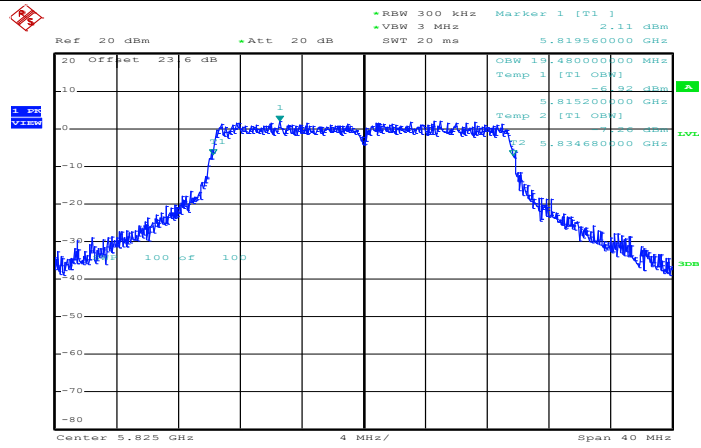
Date: 5.AUG.2026 23:25:26

11AX20SISO-Ant1-5745



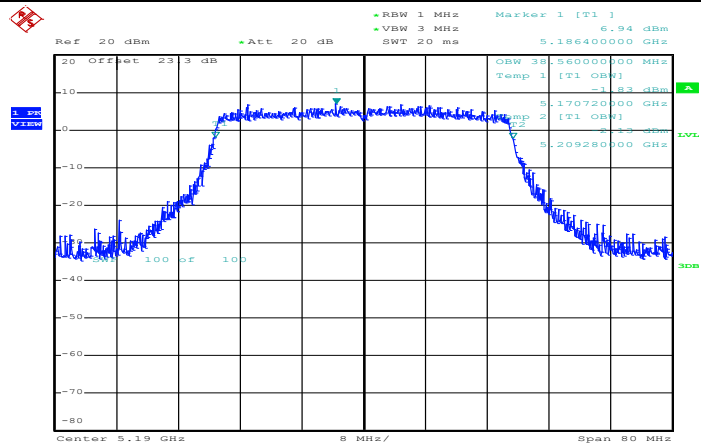
Date: 5.AUG.2026 23:26:58

11AX20SISO-Ant1-5785



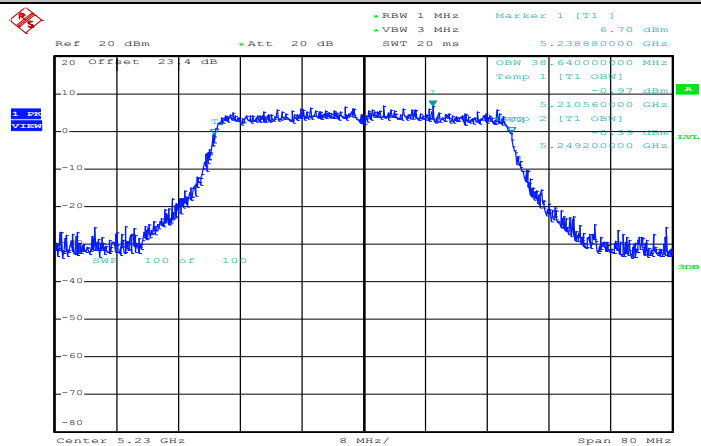
Date: 5.AUG.2026 23:28:36

11AX20SISO-Ant1-5825



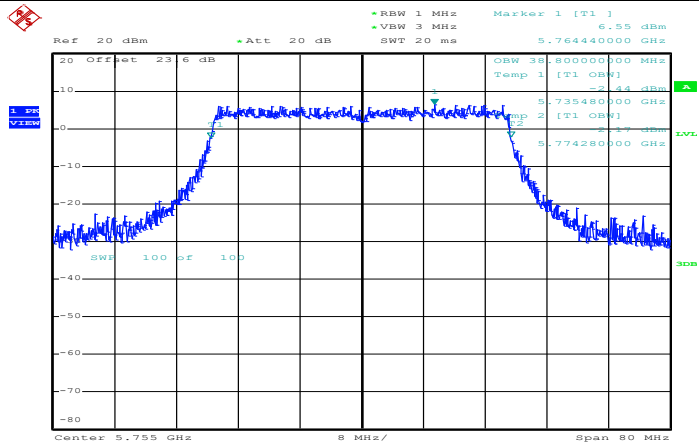
Date: 5.AUG.2026 23:44:16

11AX40SISO-Ant1-5190



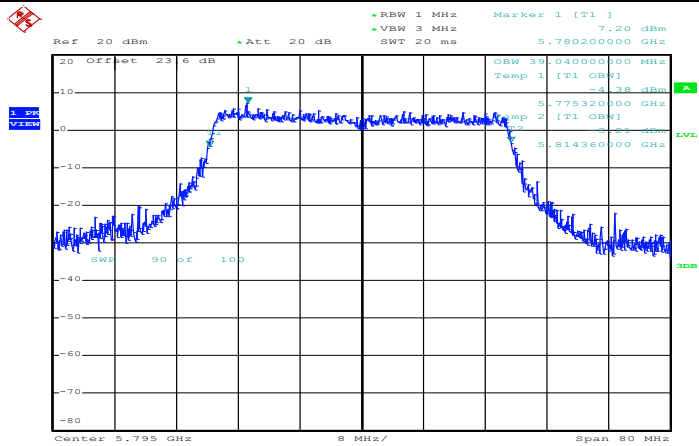
Date: 5.AUG.2026 23:45:40

11AX40SISO-Ant1-5230



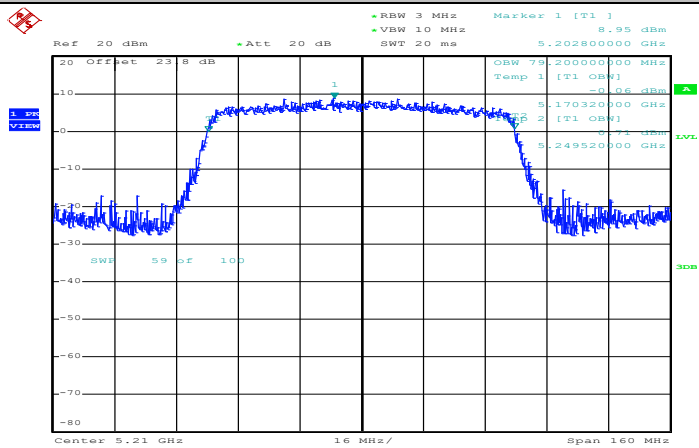
Date: 5.AUG.2026 23:47:13

11AX40SISO-Ant1-5755



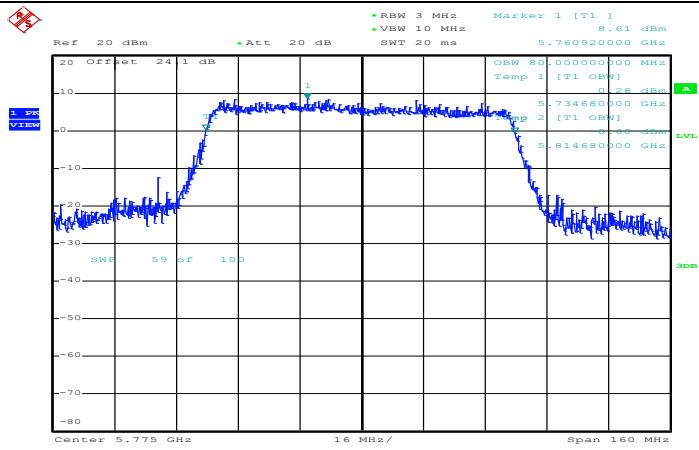
Date: 5.AUG.2026 23:50:07

11AX40SISO-Ant1-5795



Date: 5.AUG.2026 23:55:26

11AX80SISO-Ant1-5210

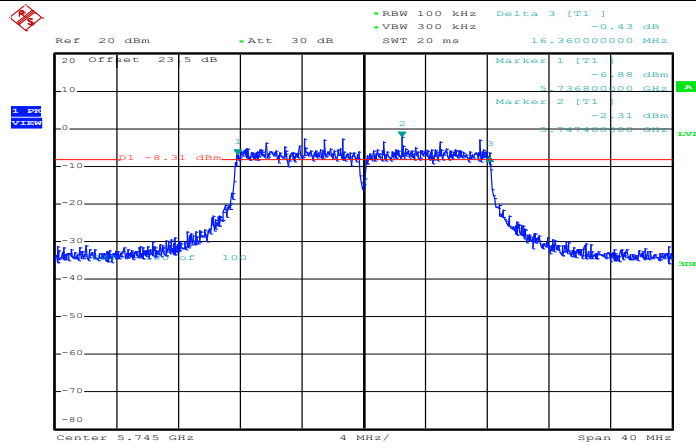


Date: 5.AUG.2026 23:57:02

11AX80SISO-Ant1-5775

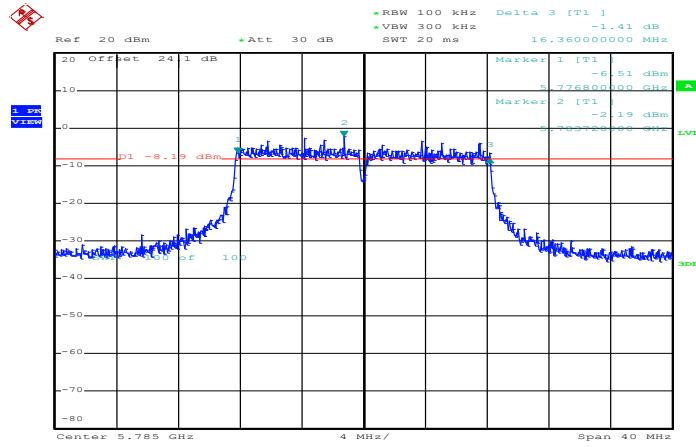
Min emission bandwidth(Band 4)

TestMode	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
11A	Ant1	5785	16.36	5776.80	5793.16	0.5	PASS
11A	Ant1	5825	16.32	5816.80	5833.12	0.5	PASS
11N20SISO	Ant1	5745	17.60	5736.16	5753.76	0.5	PASS
11N20SISO	Ant1	5785	17.60	5776.16	5793.76	0.5	PASS
11N20SISO	Ant1	5825	17.60	5816.16	5833.76	0.5	PASS
11N40SISO	Ant1	5755	36.40	5736.76	5773.16	0.5	PASS
11N40SISO	Ant1	5795	36.48	5776.68	5813.16	0.5	PASS
11AC20SISO	Ant1	5745	17.60	5736.16	5753.76	0.5	PASS
11AC20SISO	Ant1	5785	17.68	5776.08	5793.76	0.5	PASS
11AC20SISO	Ant1	5825	17.60	5816.16	5833.76	0.5	PASS
11AC40SISO	Ant1	5755	36.40	5736.76	5773.16	0.5	PASS
11AC40SISO	Ant1	5795	36.40	5776.76	5813.16	0.5	PASS
11AC80SISO	Ant1	5775	76.32	5736.76	5813.08	0.5	PASS
11AX20SISO	Ant1	5745	19.00	5735.48	5754.48	0.5	PASS
11AX20SISO	Ant1	5785	18.96	5775.44	5794.40	0.5	PASS
11AX20SISO	Ant1	5825	18.92	5815.48	5834.40	0.5	PASS
11AX40SISO	Ant1	5755	38.00	5735.96	5773.96	0.5	PASS
11AX40SISO	Ant1	5795	37.84	5776.04	5813.88	0.5	PASS
11AX80SISO	Ant1	5775	76.96	5735.80	5812.76	0.5	PASS



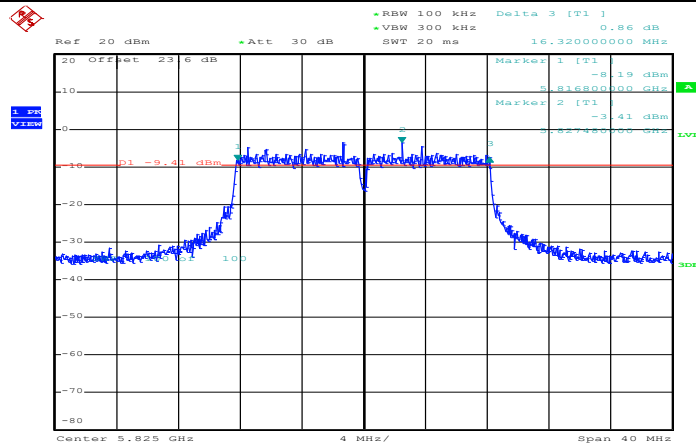
Date: 5.AUG.2026 22:54:58

11A-Ant1-5745-PASS



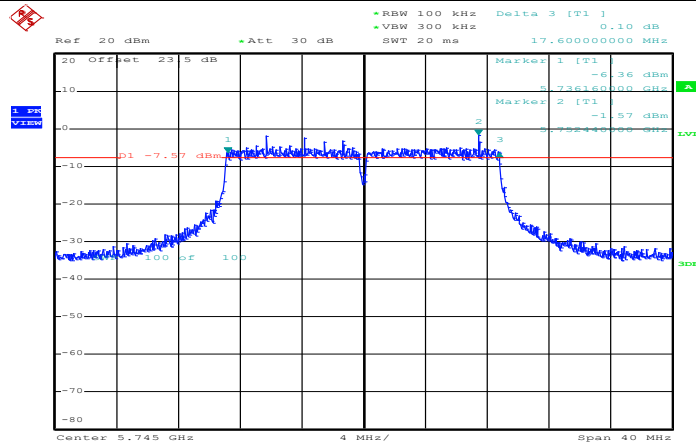
Date: 5.AUG.2026 22:56:37

11A-Ant1-5785-PASS



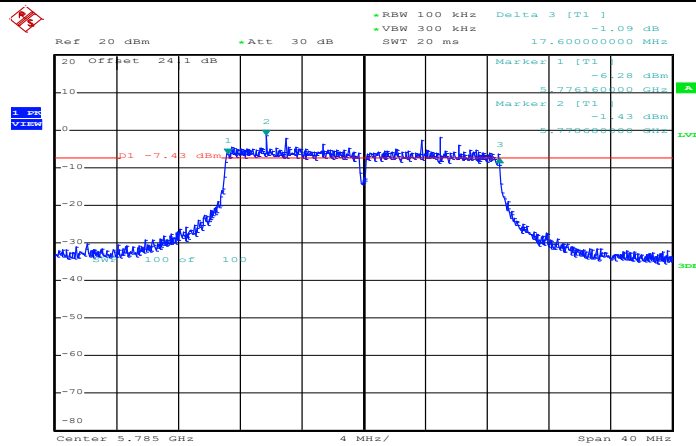
Date: 5.AUG.2026 22:58:44

11A-Ant1-5825-PASS



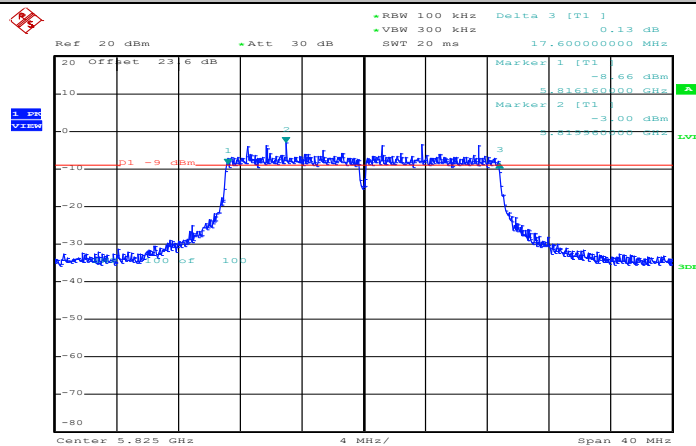
Date: 5.AUG.2026 23:05:25

11N20SISO-Ant1-5745-PASS



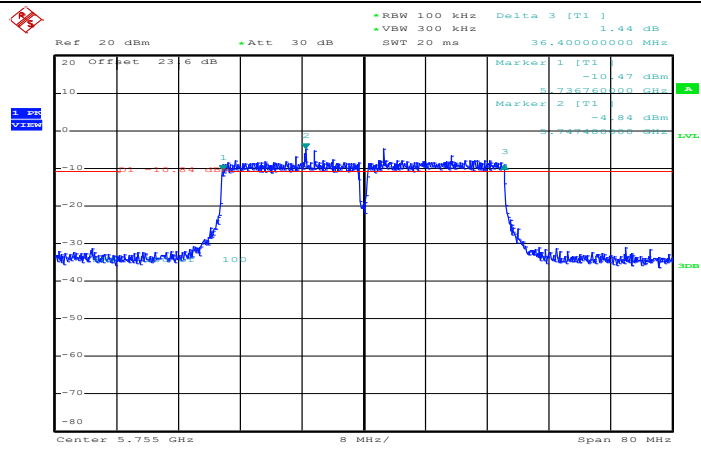
Date: 5.AUG.2026 23:07:00

11N20SISO-Ant1-5785-PASS



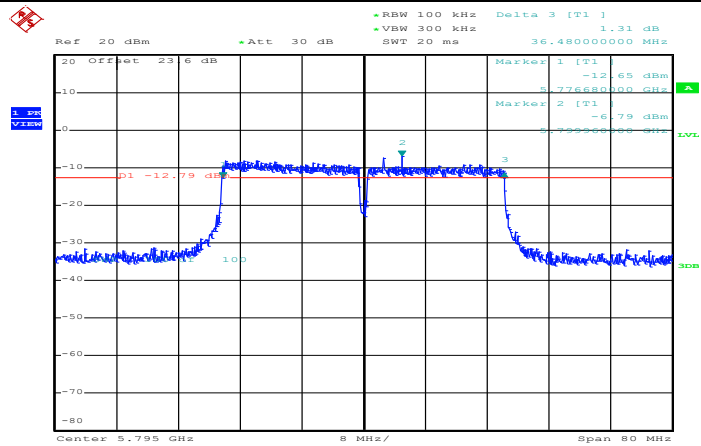
Date: 5.AUG.2026 23:08:38

11N20SISO-Ant1-5825-PASS



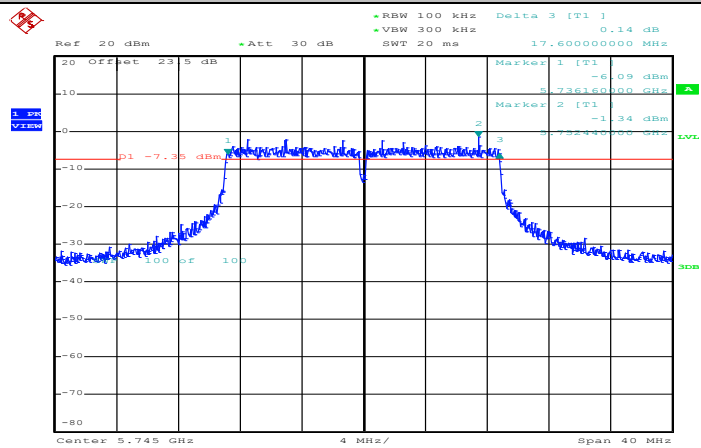
Date: 5.AUG.2026 23:35:02

11N40SISO-Ant1-5755-PASS



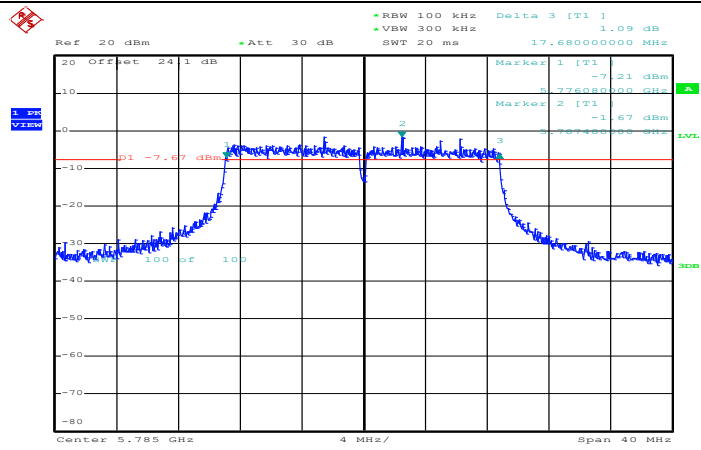
Date: 5.AUG.2026 23:36:34

11N40SISO-Ant1-5795-PASS



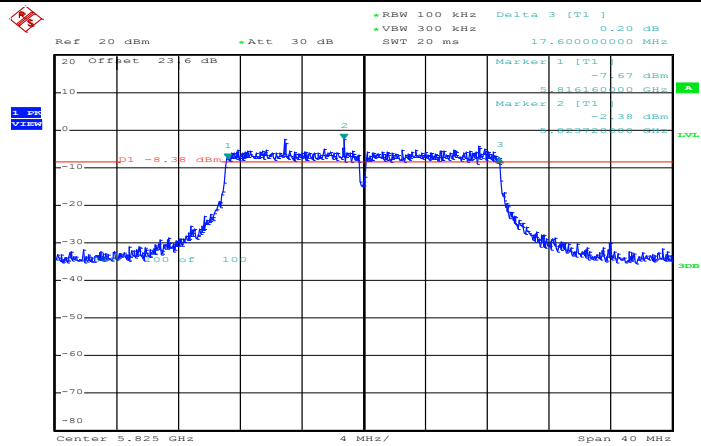
Date: 5.AUG.2026 23:15:39

11AC20SISO-Ant1-5745-PASS



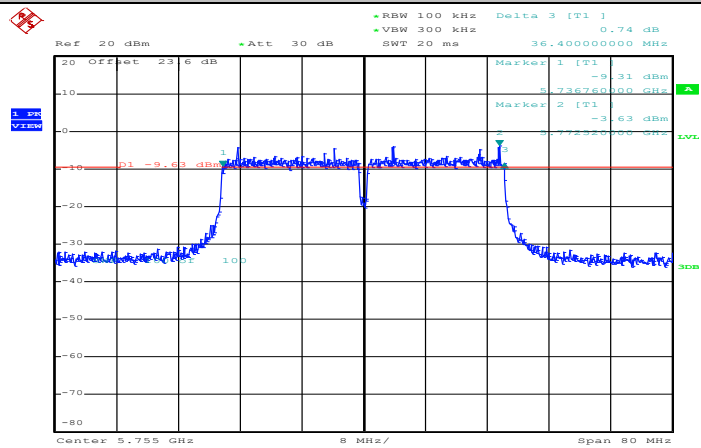
Date: 5.AUG.2026 23:17:17

11AC20SISO-Ant1-5785-PASS



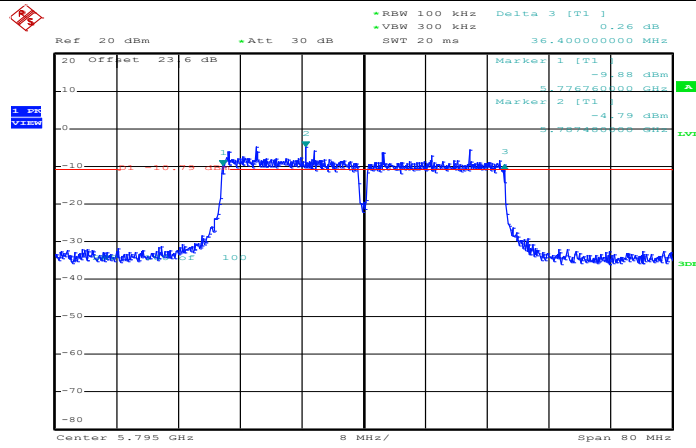
Date: 5.AUG.2026 23:18:54

11AC20SISO-Ant1-5825-PASS



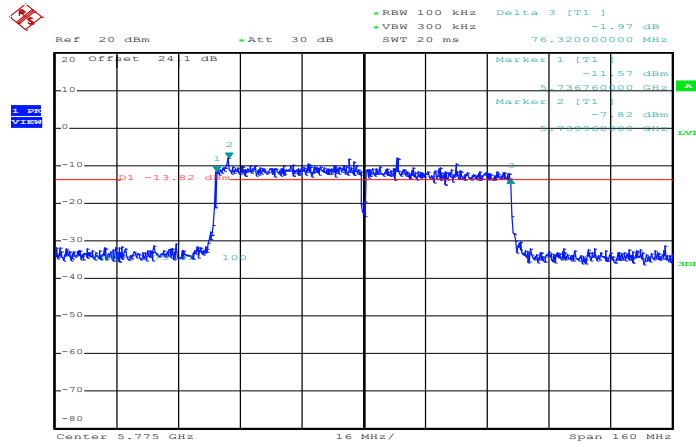
Date: 5.AUG.2026 23:40:50

11AC40SISO-Ant1-5755-PASS



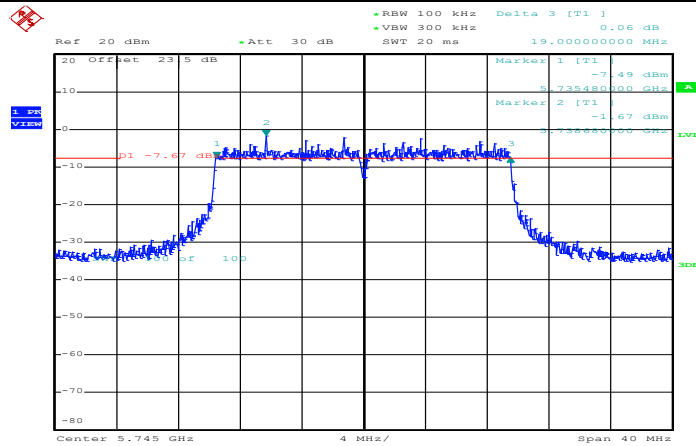
Date: 5.AUG.2026 23:42:22

11AC40SISO-Ant1-5795-PASS



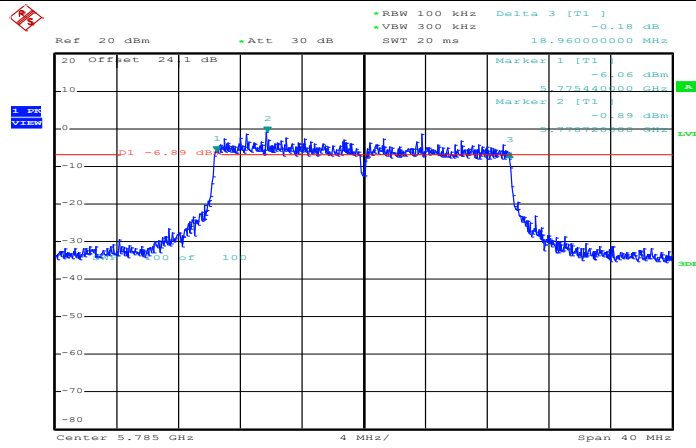
Date: 5.AUG.2026 23:53:41

11AC80SISO-Ant1-5775-PASS



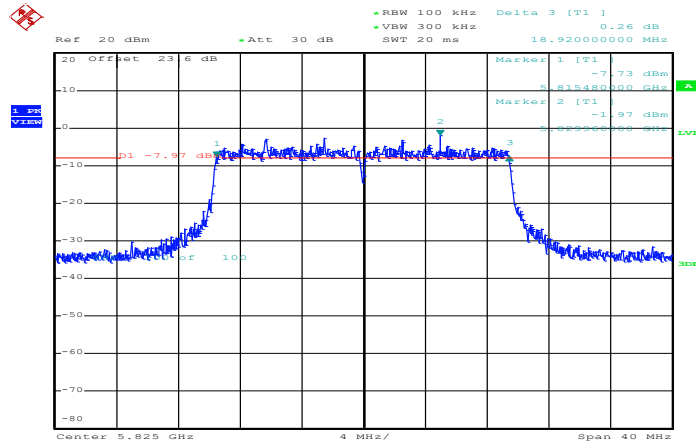
Date: 5.AUG.2026 23:25:15

11AX20SISO-Ant1-5745-PASS



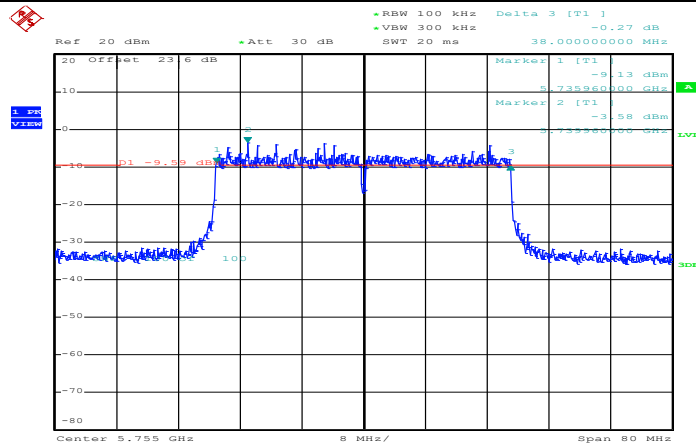
Date: 5.AUG.2026 23:26:48

11AX20SISO-Ant1-5785-PASS



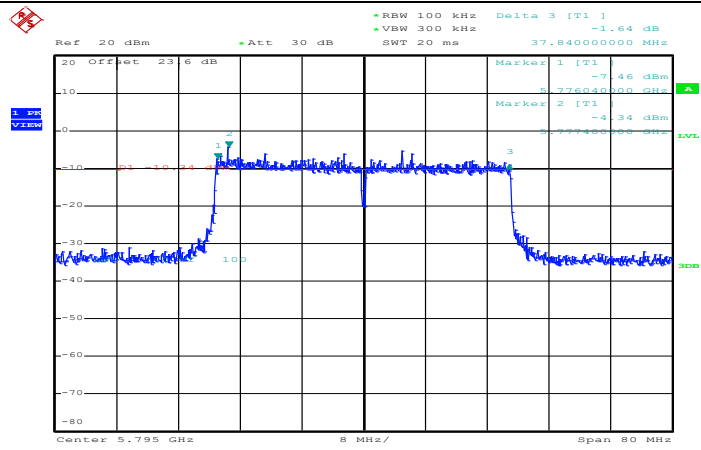
Date: 5.AUG.2026 23:28:26

11AX20SISO-Ant1-5825-PASS



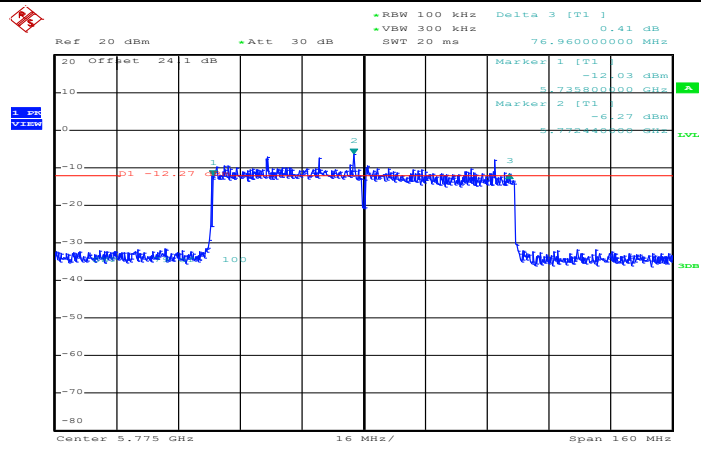
Date: 5.AUG.2026 23:47:03

11AX40SISO-Ant1-5755-PASS



Date: 5.AUG.2026 23:49:57

11AX40SISO-Ant1-5795-PASS



Date: 5.AUG.2026 23:56:52

11AX80SISO-Ant1-5775-PASS

3.4 Conducted Output Power

3.4.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Conducted Output Power	Master device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

- a. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- b. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

3.4.2 Test Procedure

Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

- a) The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b) Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

3.4.3 Test Setup



3.4.4 Table of Parameters of Text Software Setting

UNII-1			
Test Software	MobaXterm		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	13	13	13
IEEE 802.11n20	13	13	13
IEEE 802.11ac20	13	13	13
IEEE 802.11ax20	13	13	13
Frequency (MHz)	5190	5230	
IEEE 802.11n40	13	13	
IEEE 802.11ac40	13	13	
IEEE 802.11ax40	13	13	
Frequency (MHz)	5210		
IEEE 802.11ac80	13		
IEEE 802.11ax80	13		

UNII-3			
Test Software	MobaXterm		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	13	13	13
IEEE 802.11n20	13	13	13
IEEE 802.11ac20	13	13	13
IEEE 802.11ax20	13	13	13
Frequency (MHz)	5755	5795	
IEEE 802.11n40	13	13	
IEEE 802.11ac40	13	13	
IEEE 802.11ax40	13	13	
Frequency (MHz)	5775		
IEEE 802.11ac80	13		
IEEE 802.11ax80	13		

3.4.5 The Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	9.32	≤23.98	PASS
11A	Ant1	5200	9.64	≤23.98	PASS
11A	Ant1	5240	8.68	≤23.98	PASS
11A	Ant1	5745	8.99	≤30.00	PASS
11A	Ant1	5785	8.72	≤30.00	PASS
11A	Ant1	5825	7.78	≤30.00	PASS
11N20SISO	Ant1	5180	9.37	≤23.98	PASS
11N20SISO	Ant1	5200	9.87	≤23.98	PASS
11N20SISO	Ant1	5240	9.11	≤23.98	PASS
11N20SISO	Ant1	5745	9.29	≤30.00	PASS
11N20SISO	Ant1	5785	9.13	≤30.00	PASS
11N20SISO	Ant1	5825	7.91	≤30.00	PASS
11N40SISO	Ant1	5190	9.47	≤23.98	PASS
11N40SISO	Ant1	5230	9.24	≤23.98	PASS
11N40SISO	Ant1	5755	8.85	≤30.00	PASS
11N40SISO	Ant1	5795	8.68	≤30.00	PASS
11AC20SISO	Ant1	5180	9.67	≤23.98	PASS
11AC20SISO	Ant1	5200	9.88	≤23.98	PASS
11AC20SISO	Ant1	5240	8.98	≤23.98	PASS
11AC20SISO	Ant1	5745	10.11	≤30.00	PASS
11AC20SISO	Ant1	5785	10.07	≤30.00	PASS
11AC20SISO	Ant1	5825	8.74	≤30.00	PASS
11AC40SISO	Ant1	5190	10.44	≤23.98	PASS
11AC40SISO	Ant1	5230	9.97	≤23.98	PASS
11AC40SISO	Ant1	5755	10.15	≤30.00	PASS
11AC40SISO	Ant1	5795	9.10	≤30.00	PASS
11AC80SISO	Ant1	5210	10.57	≤23.98	PASS
11AC80SISO	Ant1	5775	10.12	≤30.00	PASS
11AX20SISO	Ant1	5180	10.46	≤23.98	PASS
11AX20SISO	Ant1	5200	9.85	≤23.98	PASS
11AX20SISO	Ant1	5240	8.97	≤23.98	PASS
11AX20SISO	Ant1	5745	9.16	≤30.00	PASS
11AX20SISO	Ant1	5785	10.14	≤30.00	PASS
11AX20SISO	Ant1	5825	8.81	≤30.00	PASS
11AX40SISO	Ant1	5190	10.40	≤23.98	PASS
11AX40SISO	Ant1	5230	10.23	≤23.98	PASS
11AX40SISO	Ant1	5755	10.22	≤30.00	PASS
11AX40SISO	Ant1	5795	9.32	≤30.00	PASS
11AX80SISO	Ant1	5210	10.66	≤23.98	PASS
11AX80SISO	Ant1	5775	10.18	≤30.00	PASS

Note: The duty cycle factor and line loss are compensated in the average conducted output power.

3.5 Power Spectral Density

3.5.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	Master device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 300kHz and VBW at 1500kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/300 \text{ kHz})$ to the measured result, i.e. 2.22 dB.
- During the test of U-NII 3 PSD, the measurement result with RBW=300kHz has been added 2.22 dB by compensating offset, offset=cable loss+duty factor+ $10\log(500\text{kHz}/300\text{kHz})$.

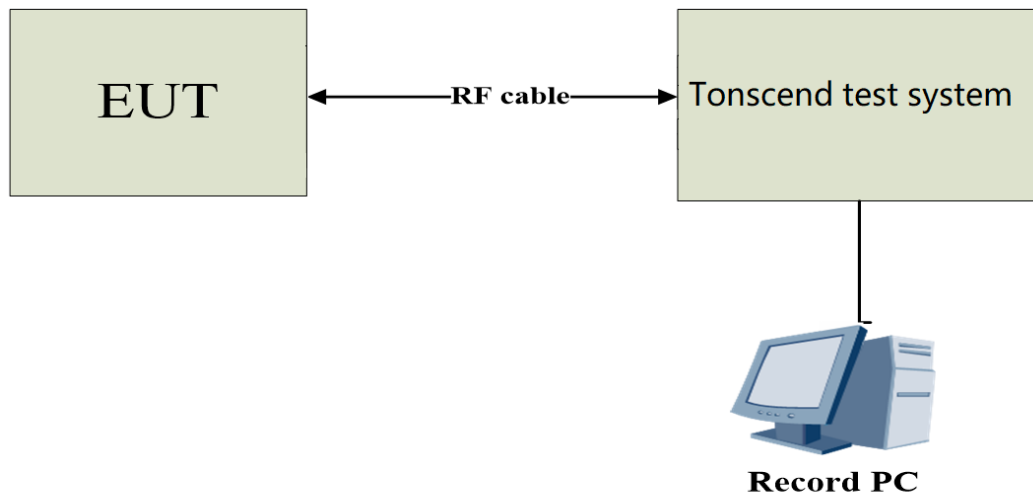
3.5.2 Test Procedure

Test Method	
☒ Conducted Measurement	☐ Radiated Measurement
Test Channels	
☒ Lowest, Middle and Highest Channel	☐ Lowest and Highest Channel
Environmental conditions	
☒ Normal	☐ Normal and Extreme
Note: ☒ :Test ☐ :No Test	

a) The EUT was directly connected to the tonscond test system and antenna output port as show in the block diagram below. Spectrum analyser settings as following:

Centre Frequency	The centre frequency of the channel under test
RBW	= 1 MHz (Band1/2/3); = 300kHz (Band4)
VBW	$\geq 3 \times \text{RBW}$
Frequency span	2 x Nominal Channel Bandwidth
Detector Mode	RMS
Trace Mode	Max Hold
Sweep Time	Auto Couple

3.5.3 Test Setup



3.5.4 The Result

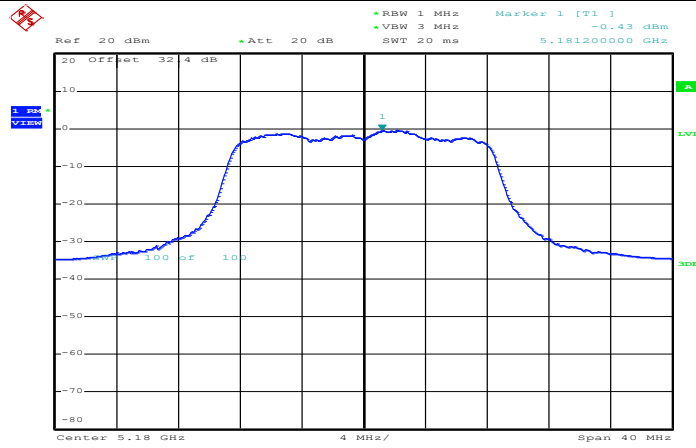
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.43	≤11.00	PASS
11A	Ant1	5200	-0.65	≤11.00	PASS
11A	Ant1	5240	-1.33	≤11.00	PASS
11N20SISO	Ant1	5180	-0.47	≤11.00	PASS
11N20SISO	Ant1	5200	-0.50	≤11.00	PASS
11N20SISO	Ant1	5240	-1.91	≤11.00	PASS
11N40SISO	Ant1	5190	-4.47	≤11.00	PASS
11N40SISO	Ant1	5230	-4.94	≤11.00	PASS
11AC20SISO	Ant1	5180	-2.01	≤11.00	PASS
11AC20SISO	Ant1	5200	-1.41	≤11.00	PASS
11AC20SISO	Ant1	5240	-1.87	≤11.00	PASS
11AC40SISO	Ant1	5190	-3.87	≤11.00	PASS
11AC40SISO	Ant1	5230	-4.13	≤11.00	PASS
11AC80SISO	Ant1	5210	-6.11	≤11.00	PASS
11AX20SISO	Ant1	5180	-0.32	≤11.00	PASS
11AX20SISO	Ant1	5200	0.66	≤11.00	PASS
11AX20SISO	Ant1	5240	-2.15	≤11.00	PASS
11AX40SISO	Ant1	5190	-3.53	≤11.00	PASS
11AX40SISO	Ant1	5230	-4.06	≤11.00	PASS
11AX80SISO	Ant1	5210	-5.81	≤11.00	PASS

Test Mode	Antenna	Frequency[MHz]	Result [dBm/500kHz]	Limit[dBm/500kHz]	Verdict
11A	Ant1	5745	-4.06	≤30.00	PASS
11A	Ant1	5785	-4.07	≤30.00	PASS
11A	Ant1	5825	-5.66	≤30.00	PASS
11N20SISO	Ant1	5745	-4.75	≤30.00	PASS
11N20SISO	Ant1	5785	-4.96	≤30.00	PASS
11N20SISO	Ant1	5825	-6.00	≤30.00	PASS
11N40SISO	Ant1	5755	-8.00	≤30.00	PASS
11N40SISO	Ant1	5795	-8.23	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.92	≤30.00	PASS
11AC20SISO	Ant1	5785	-3.78	≤30.00	PASS
11AC20SISO	Ant1	5825	-5.22	≤30.00	PASS
11AC40SISO	Ant1	5755	-7.10	≤30.00	PASS
11AC40SISO	Ant1	5795	-7.22	≤30.00	PASS
11AC80SISO	Ant1	5775	-9.56	≤30.00	PASS
11AX20SISO	Ant1	5745	-5.18	≤30.00	PASS
11AX20SISO	Ant1	5785	-4.12	≤30.00	PASS
11AX20SISO	Ant1	5825	-5.43	≤30.00	PASS
11AX40SISO	Ant1	5755	-7.05	≤30.00	PASS
11AX40SISO	Ant1	5795	-6.98	≤30.00	PASS
11AX80SISO	Ant1	5775	-9.64	≤30.00	PASS

Note: The Duty Cycle Factor and line loss are compensated in the test system

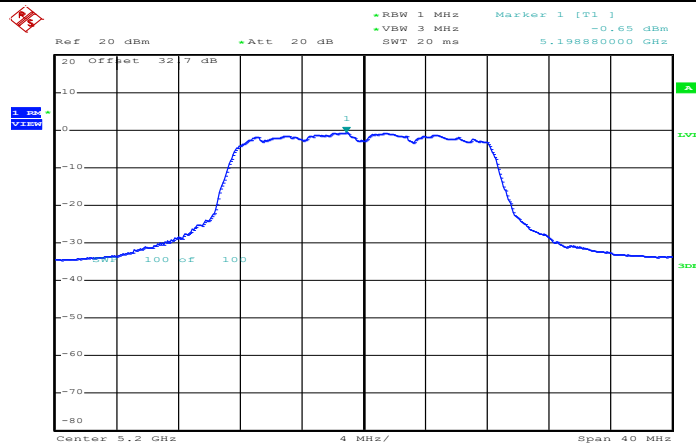
For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 300kHz and VBW at 1500kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/300 \text{ kHz})$ to the measured result, i.e. 2.22 dB.

During the test of U-NII 3 PSD, the measurement result with RBW=300kHz has been added 2.22 dB by compensating offset, $\text{offset} = \text{cable loss} + \text{duty cycle factor} + 10 \log(500 \text{ kHz}/300 \text{ kHz})$.



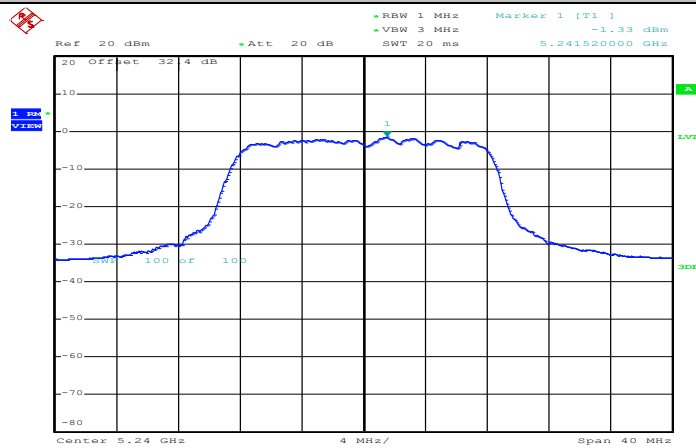
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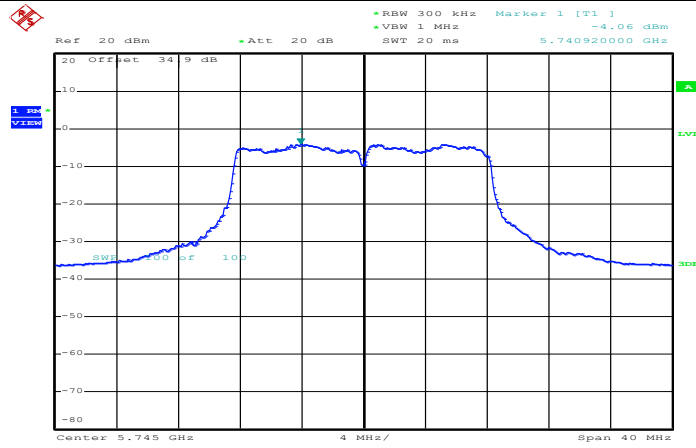
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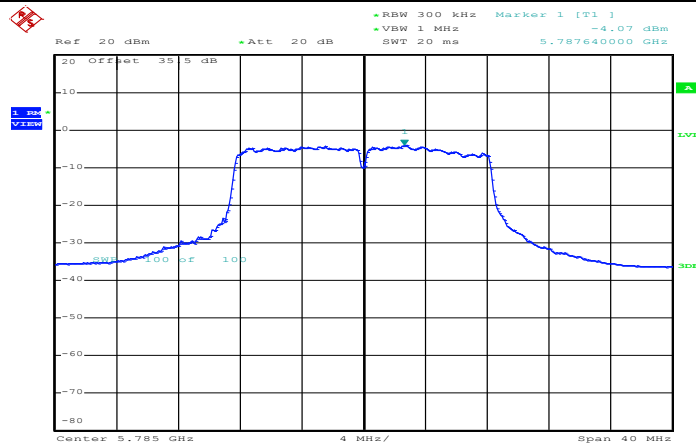
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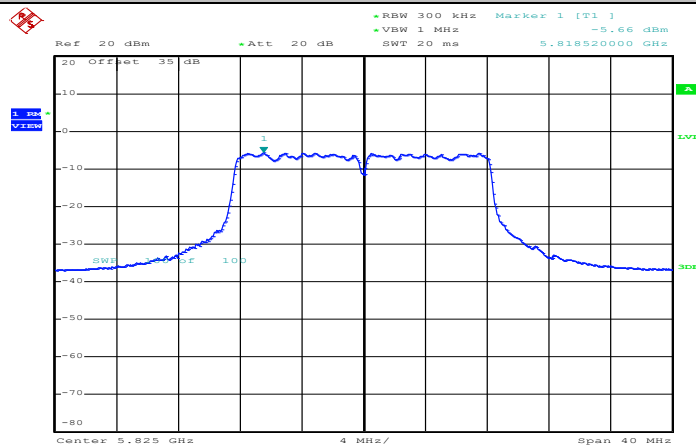
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11A-Ant1-5745-PASS



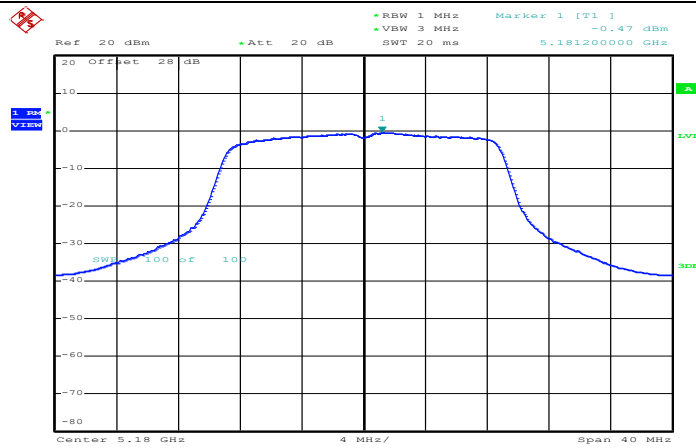
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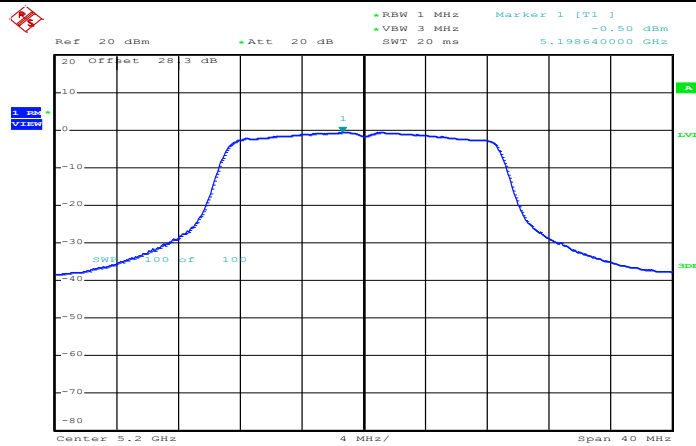
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11A-Ant1-5825-PASS



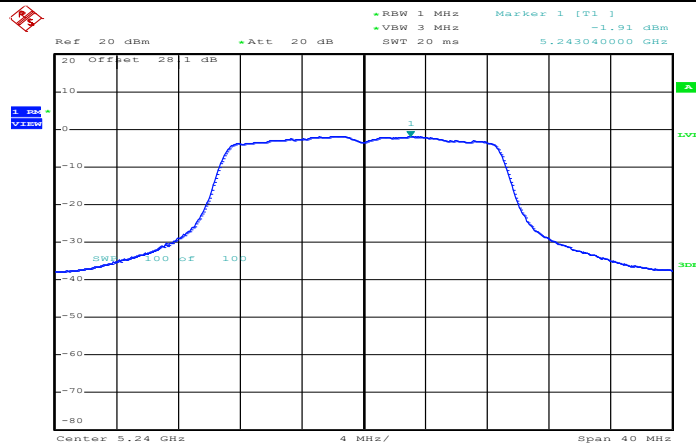
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11N20SISO-Ant1-5180-PASS



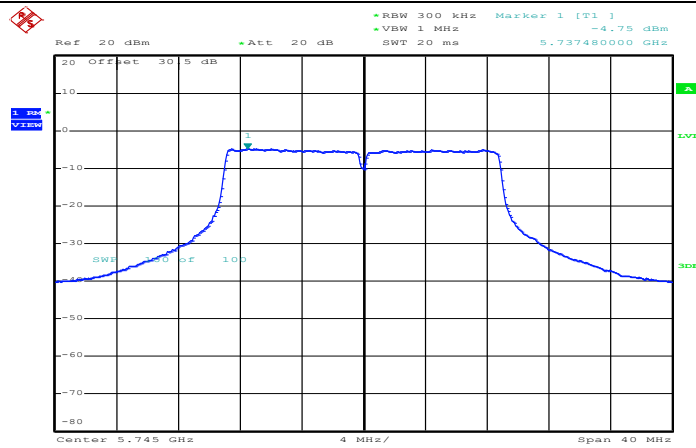
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11N20SISO-Ant1-5200-PASS



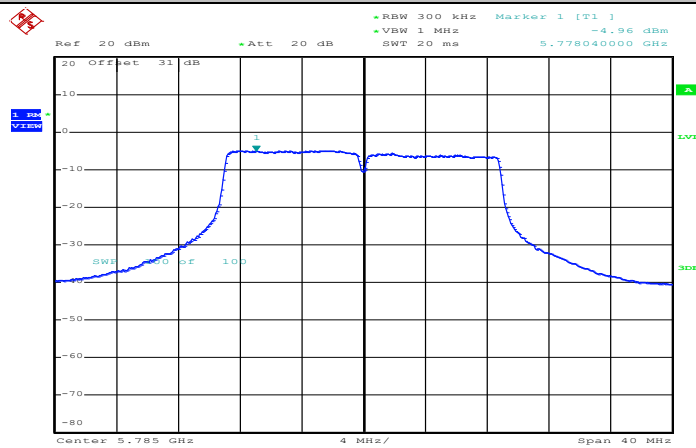
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11N20SISO-Ant1-5240-PASS



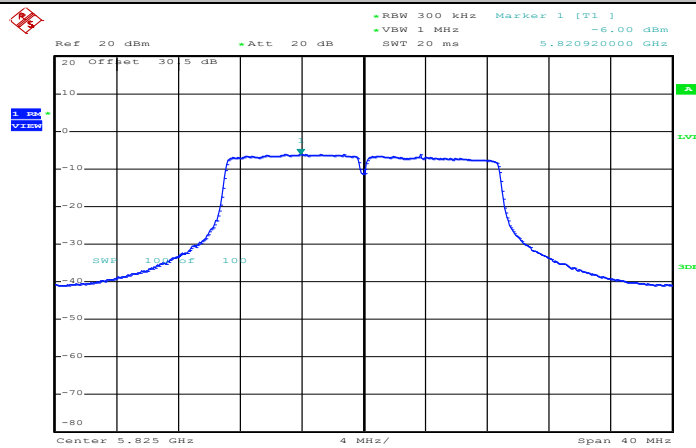
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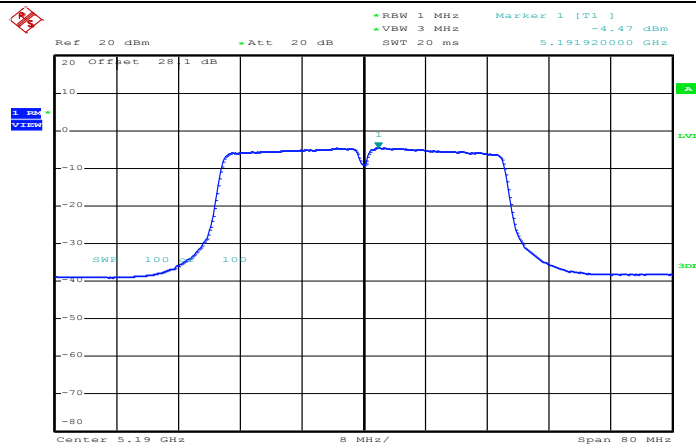
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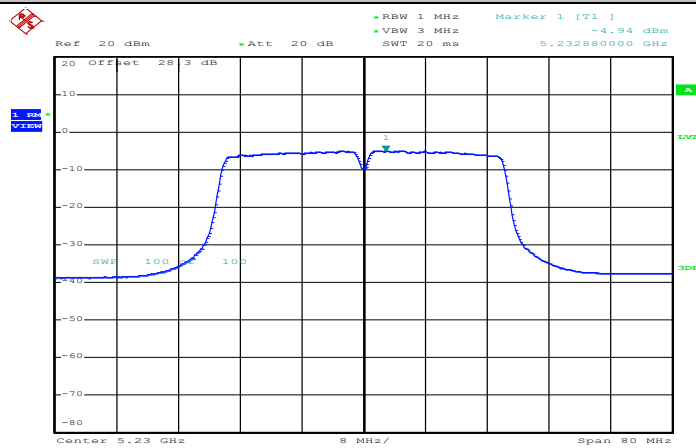
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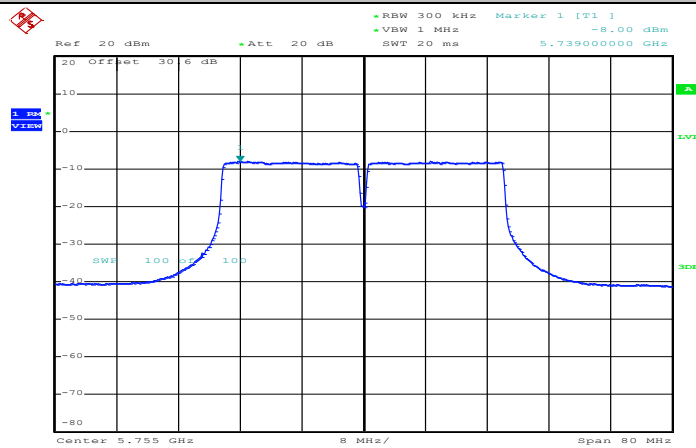
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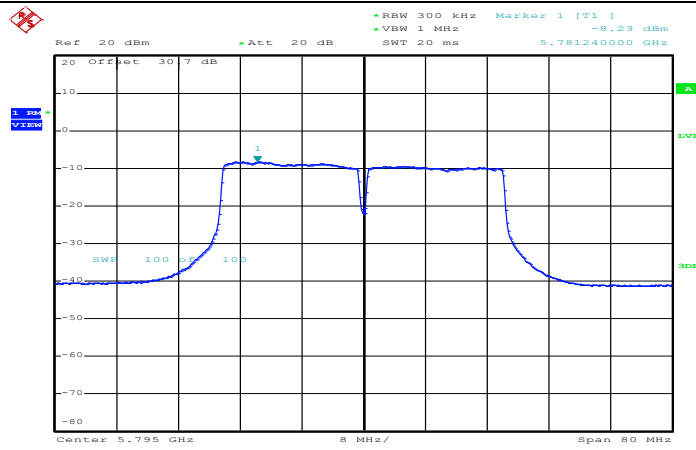
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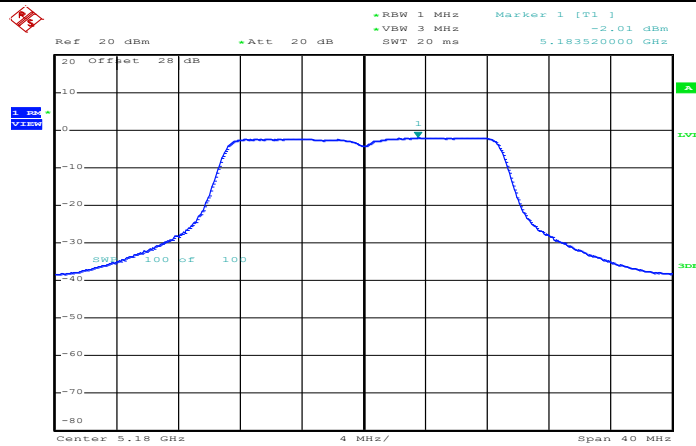
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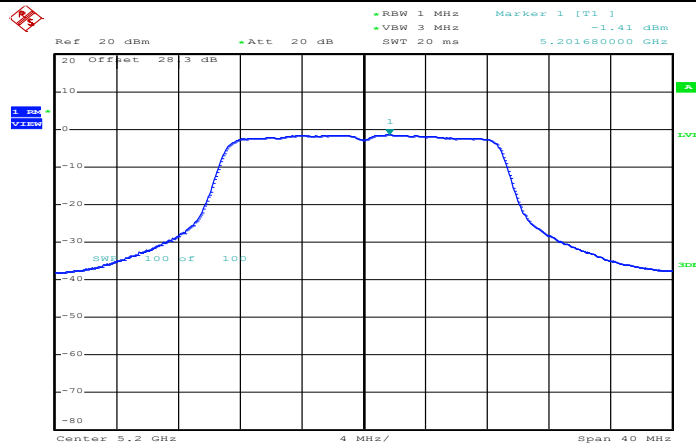
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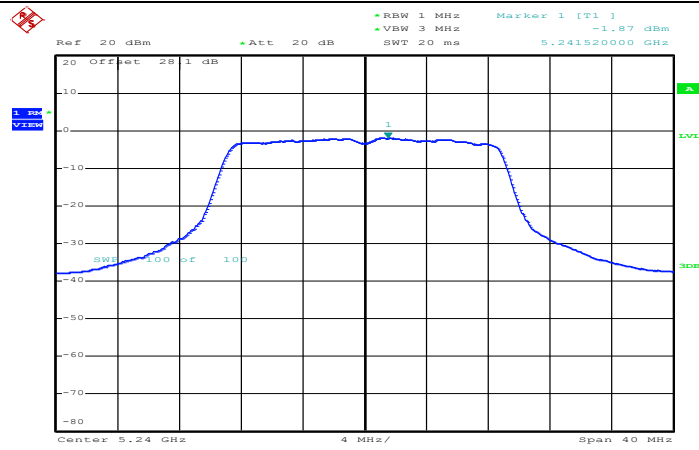
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11AC20SISO-Ant1-5180-PASS



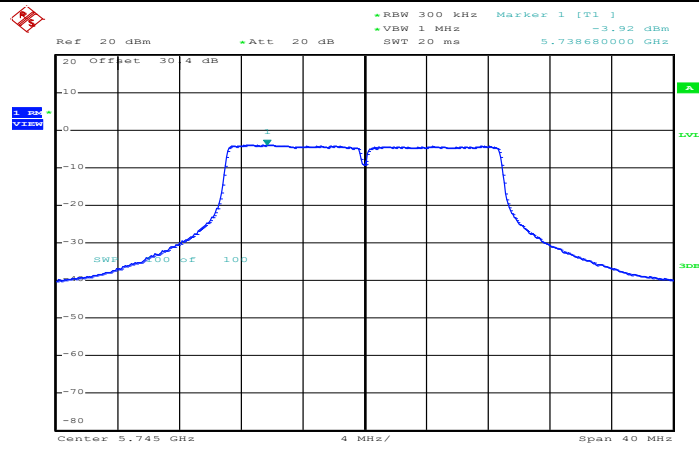
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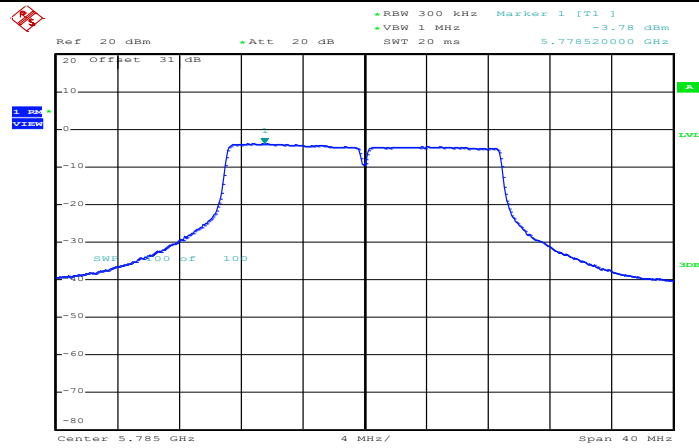
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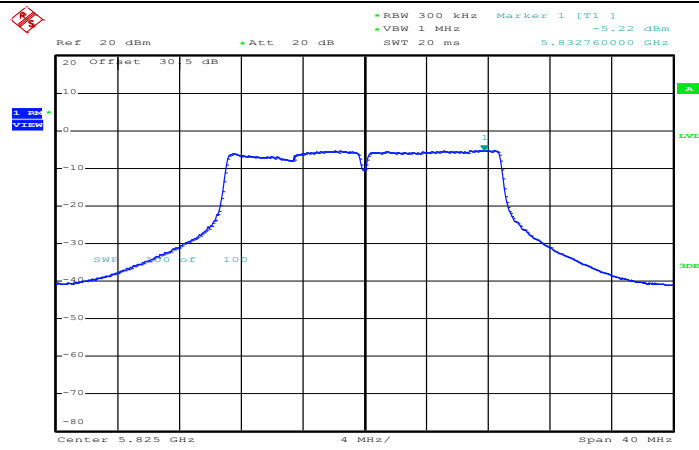
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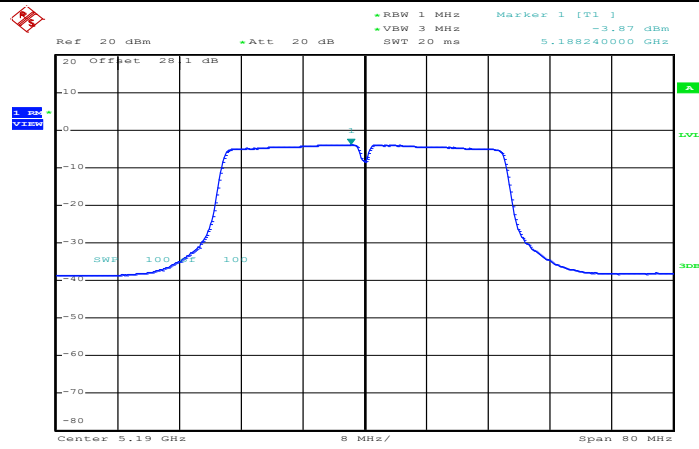
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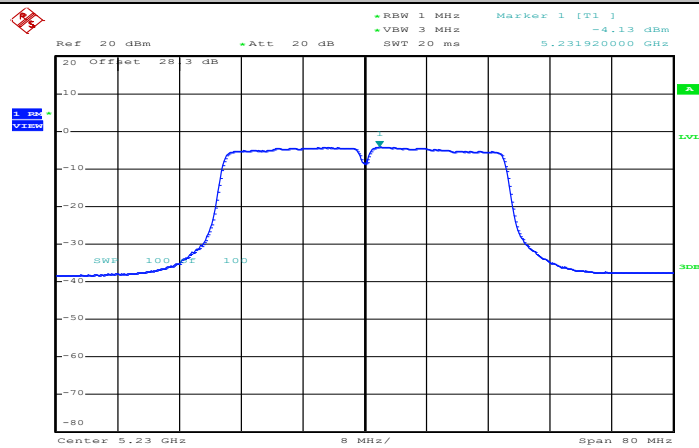
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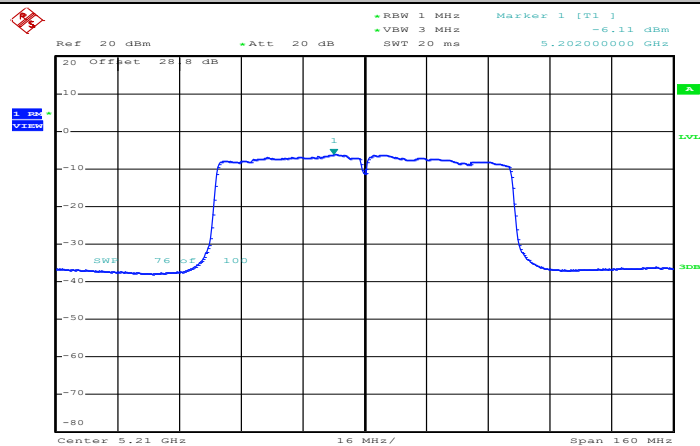
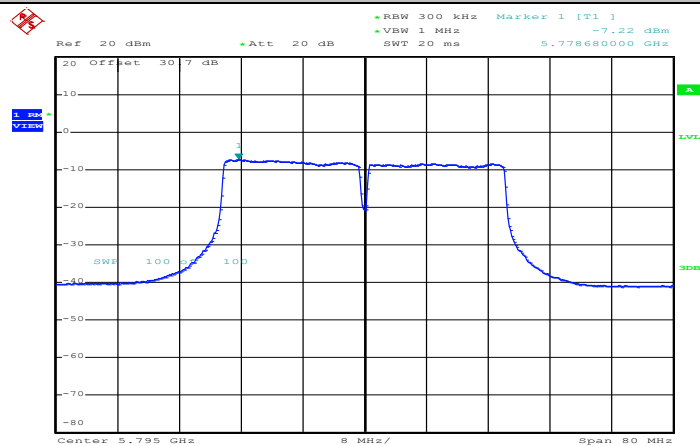
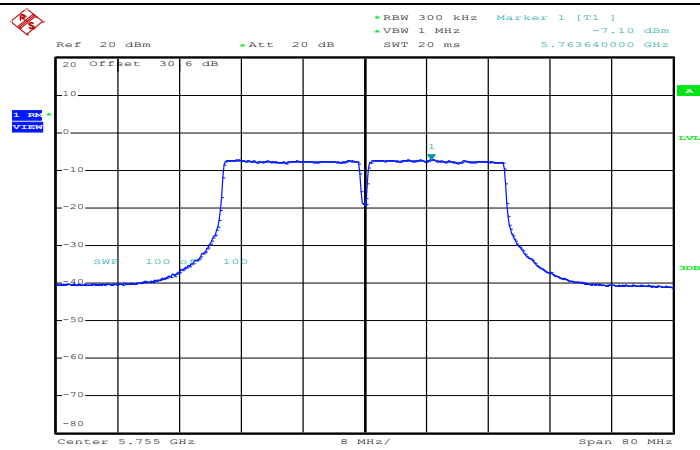
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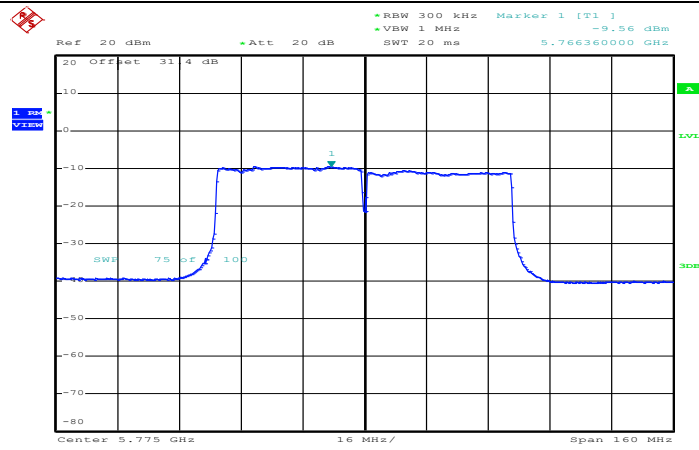
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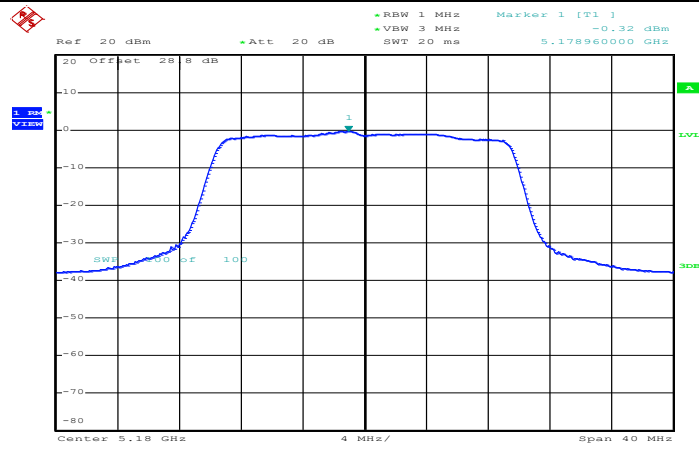
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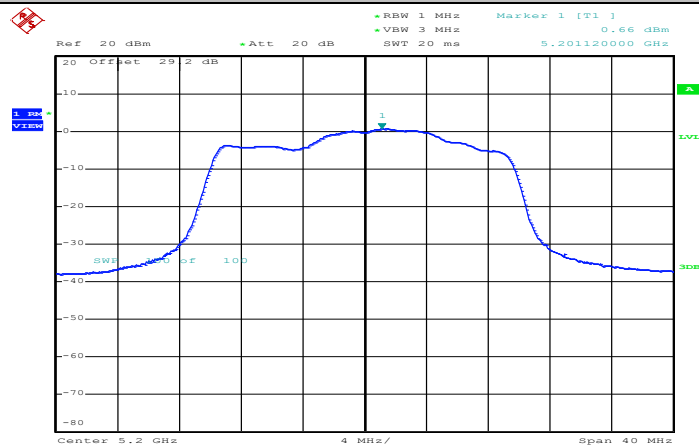
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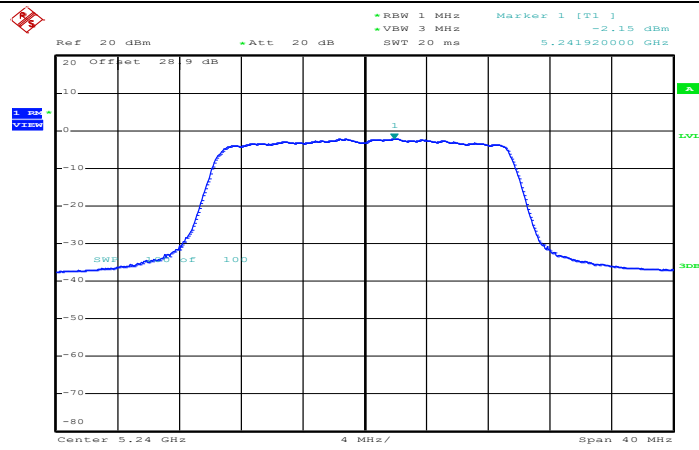
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11AX20SISO-Ant1-5180-PASS



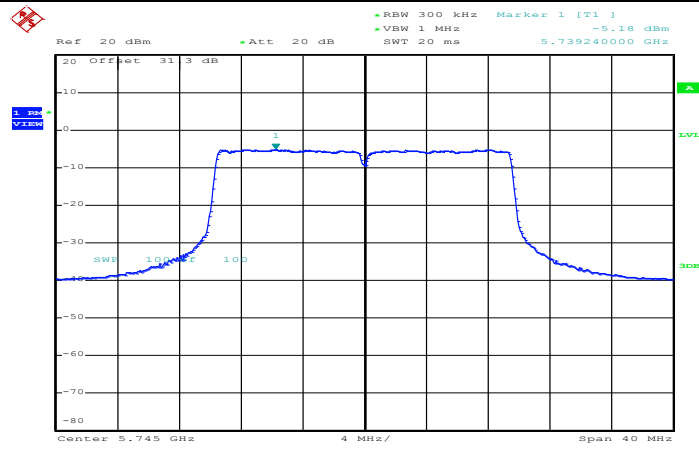
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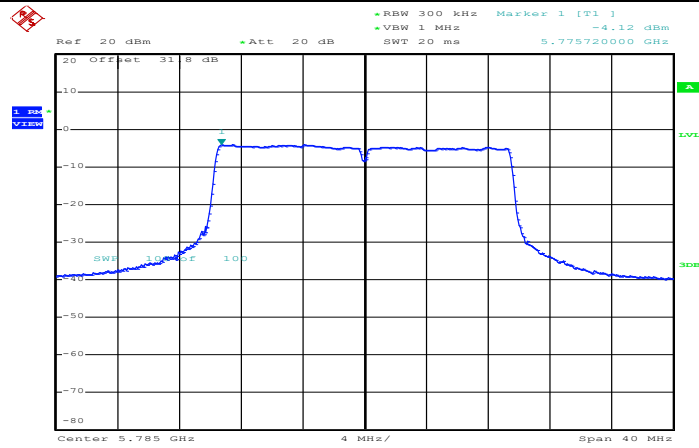
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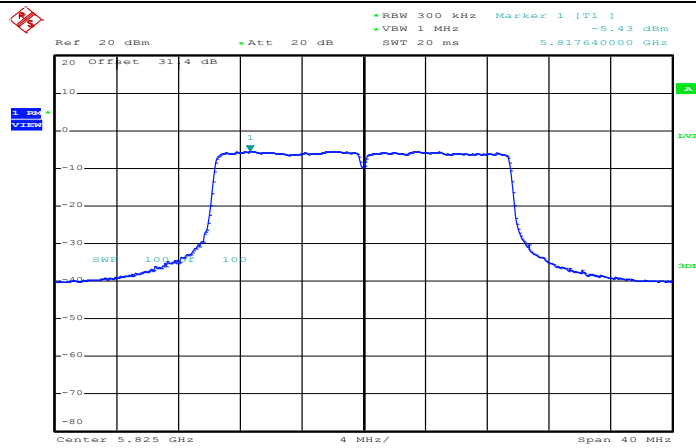
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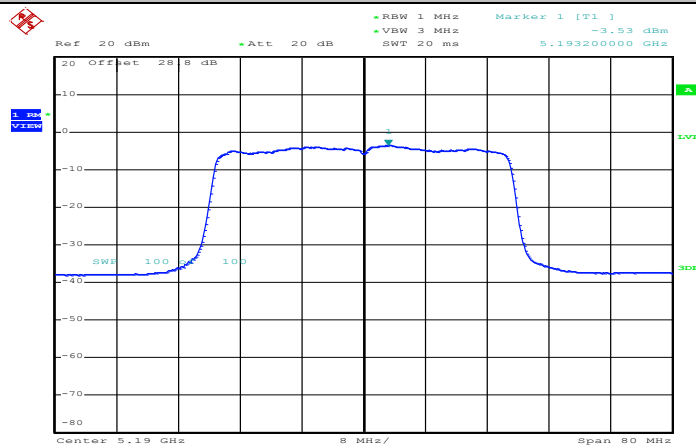
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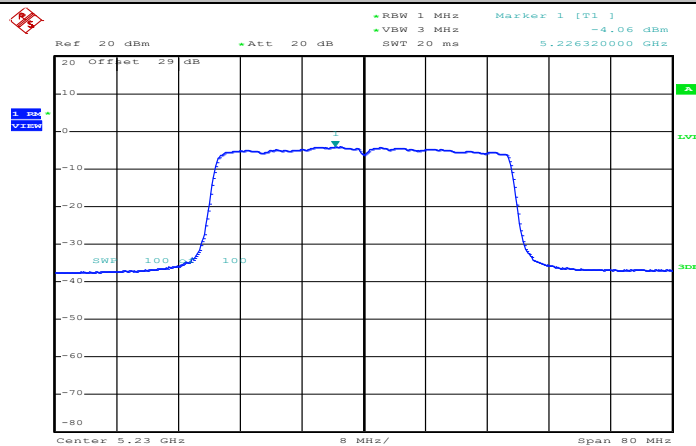
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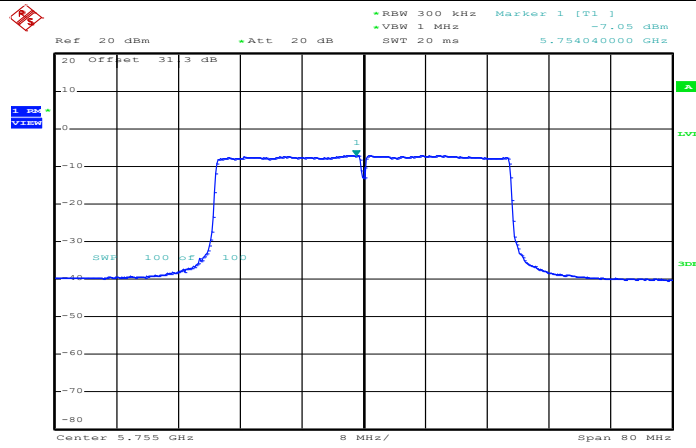
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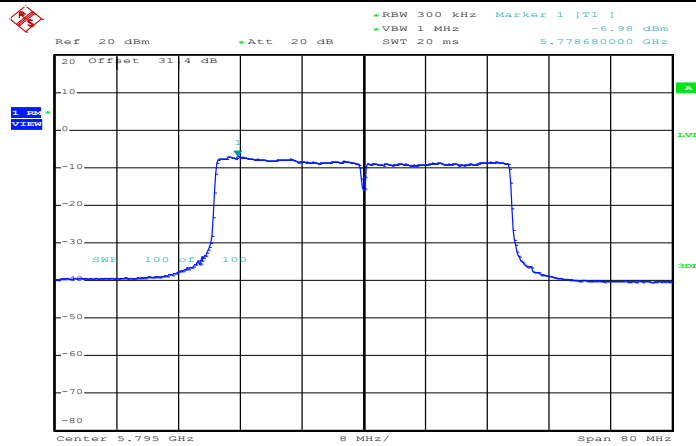
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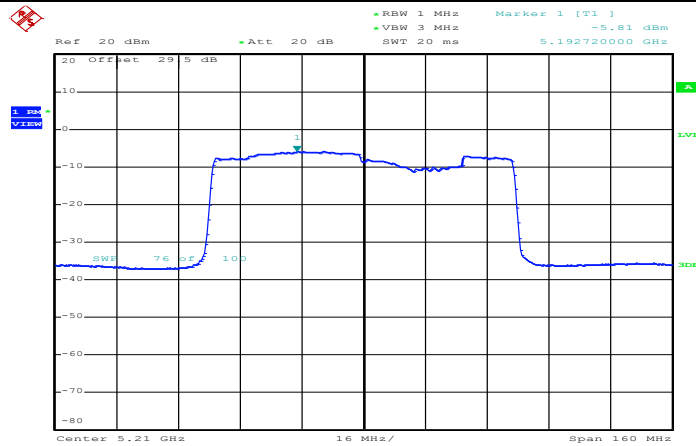
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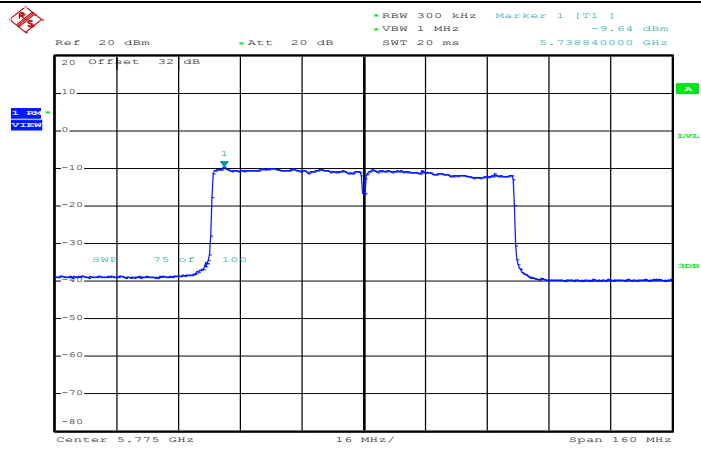
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11AX40SISO-Ant1-5795-PASS



Date: 5.AUG.2026 23:56:13

11AX80SISO-Ant1-5210-PASS



Date: 5.AUG.2026 23:57:51

11AX80SISO-Ant1-5775-PASS

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

Address: Room 110, 111, 112, 113, 115, 116, Block B, Jinyuan Business Building, No. 302, Xixiang Avenue, Labor Community, Xixiang Street, Baoan District, Shenzhen, China

(END OF REPORT)