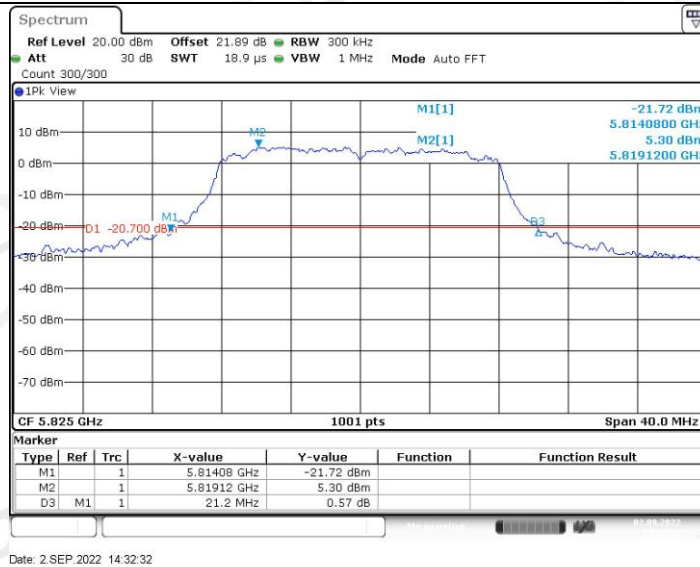
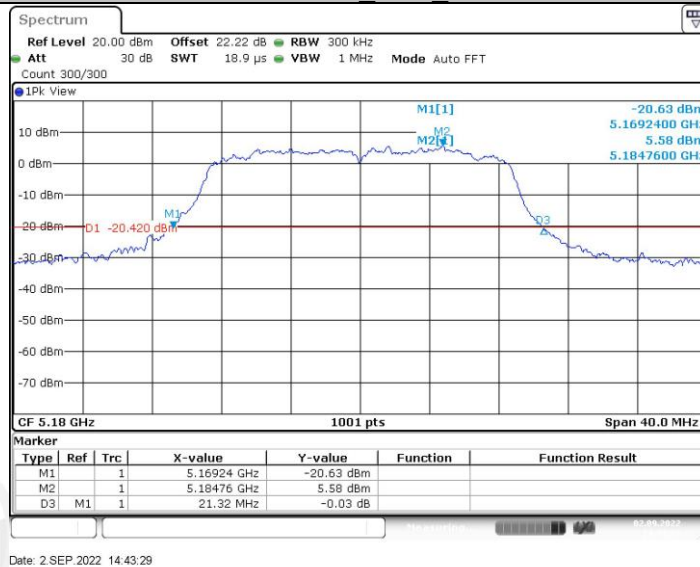
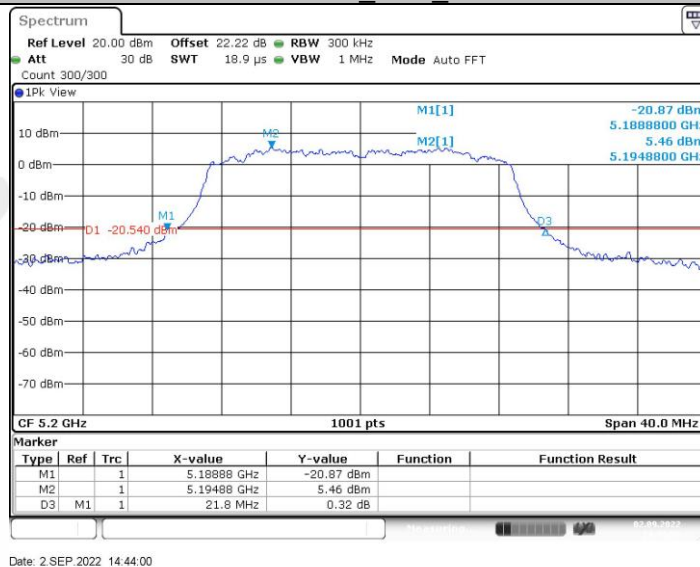




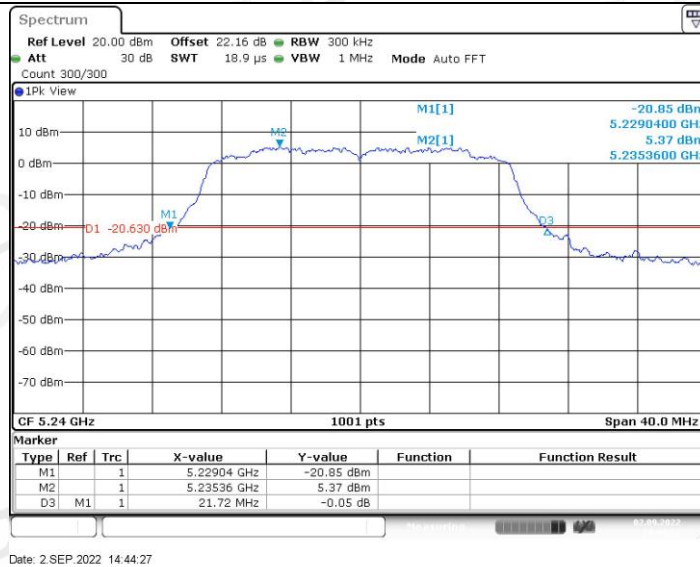
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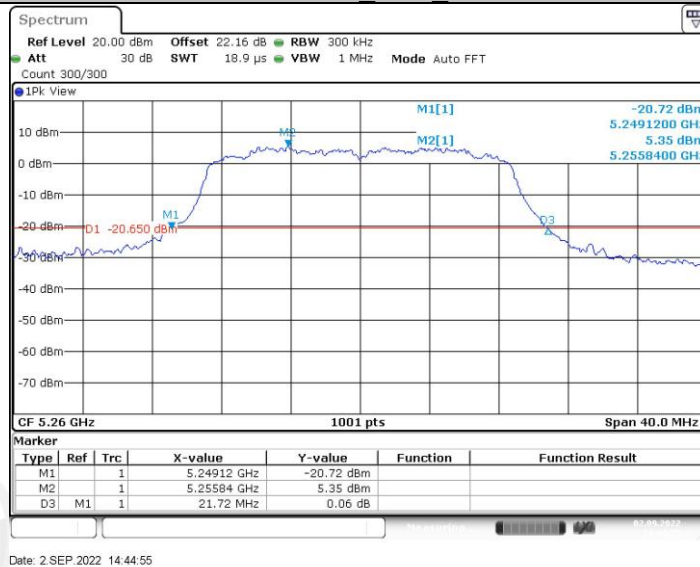
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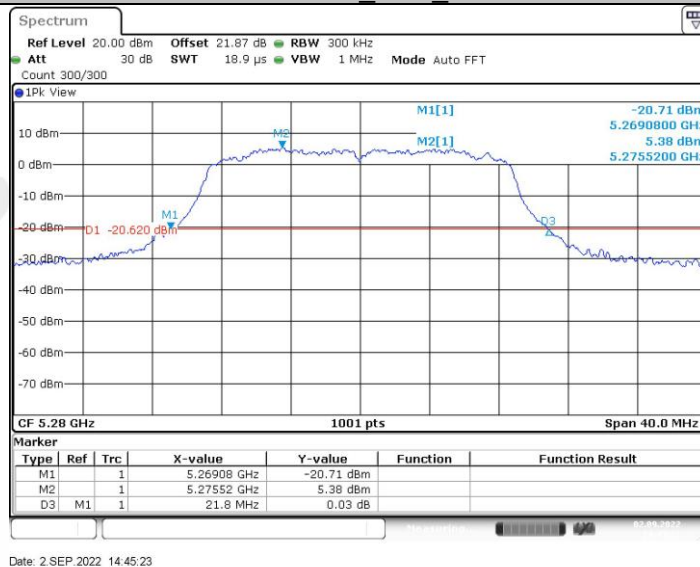
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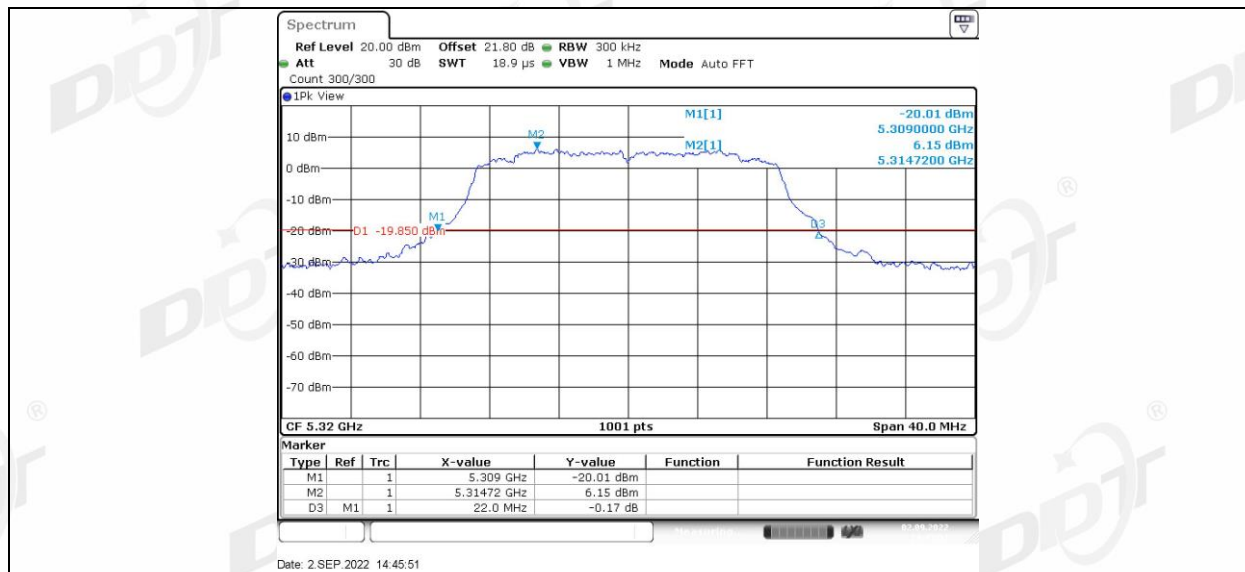
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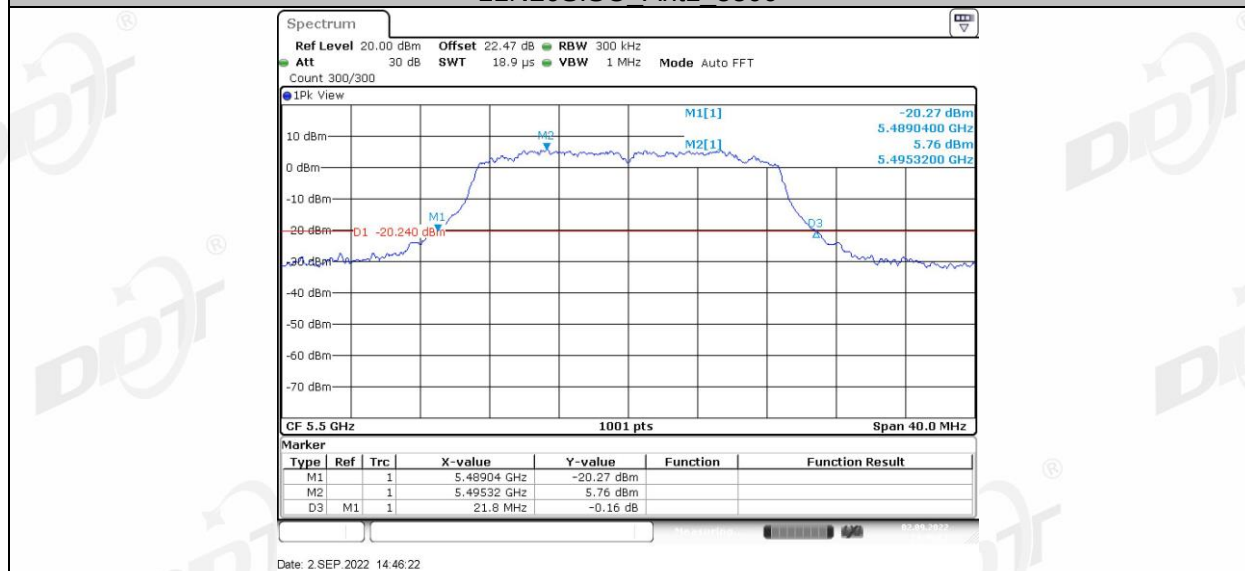
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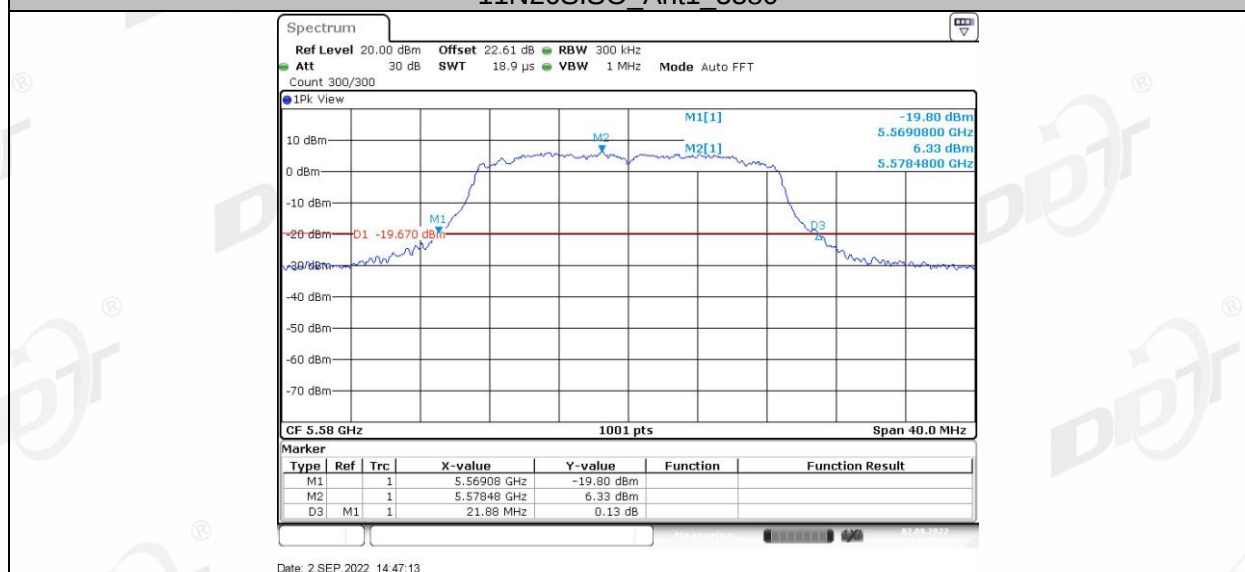
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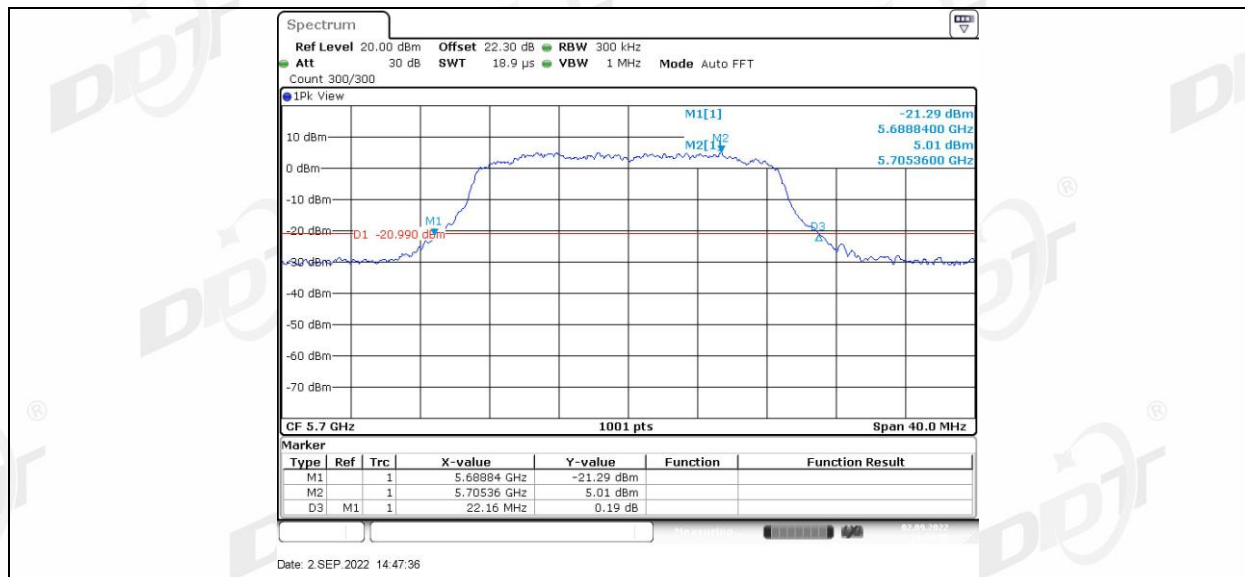
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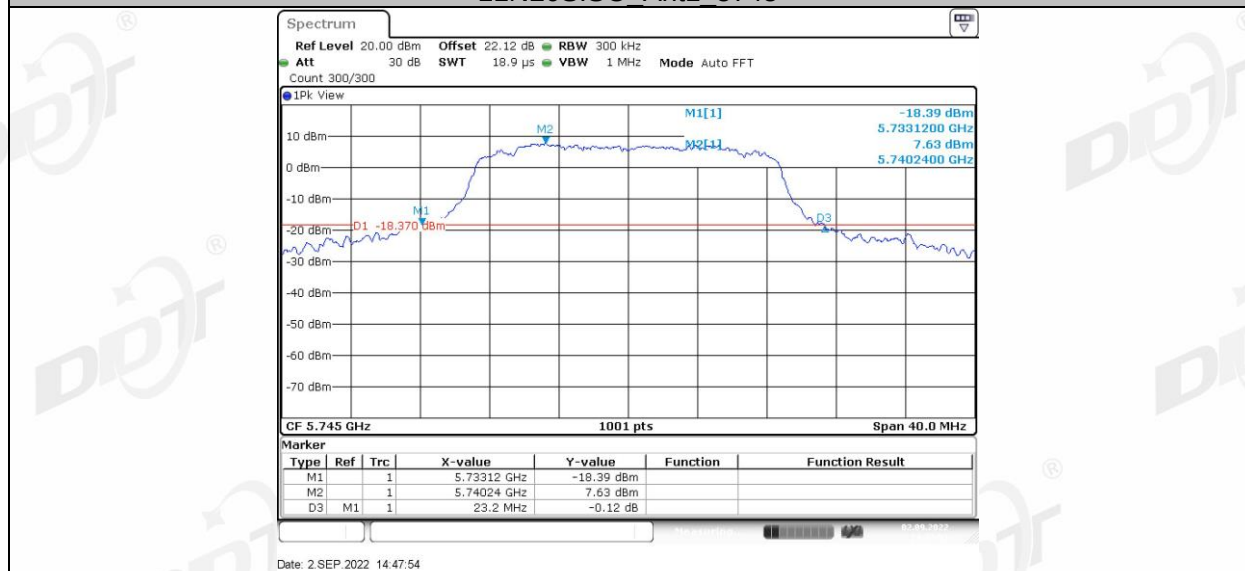
11N20SISO Ant1 5580



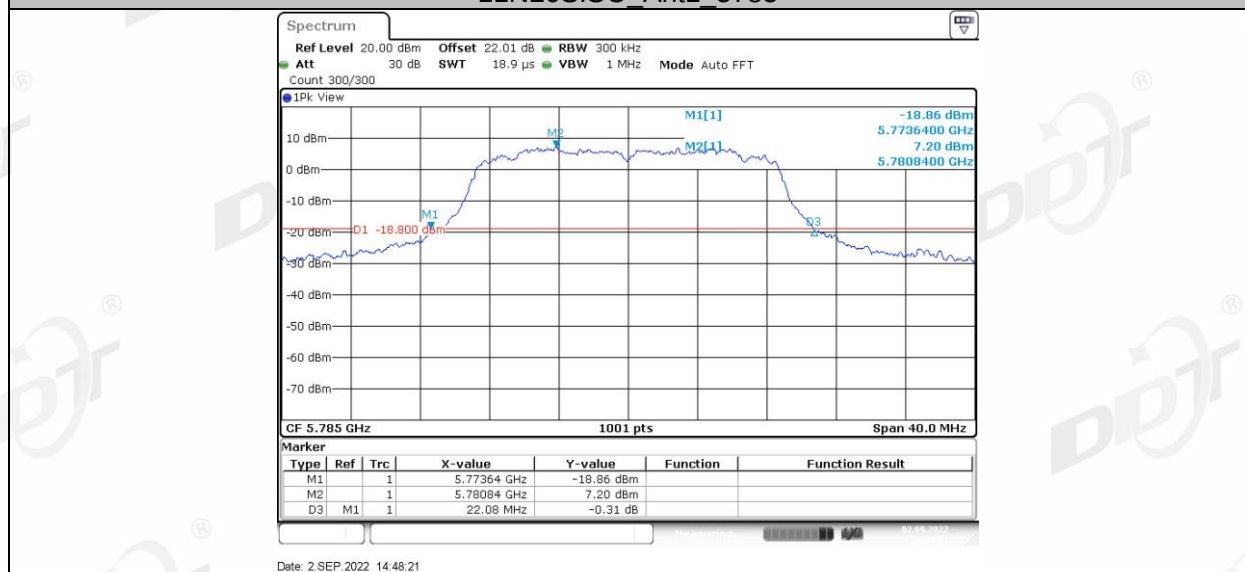
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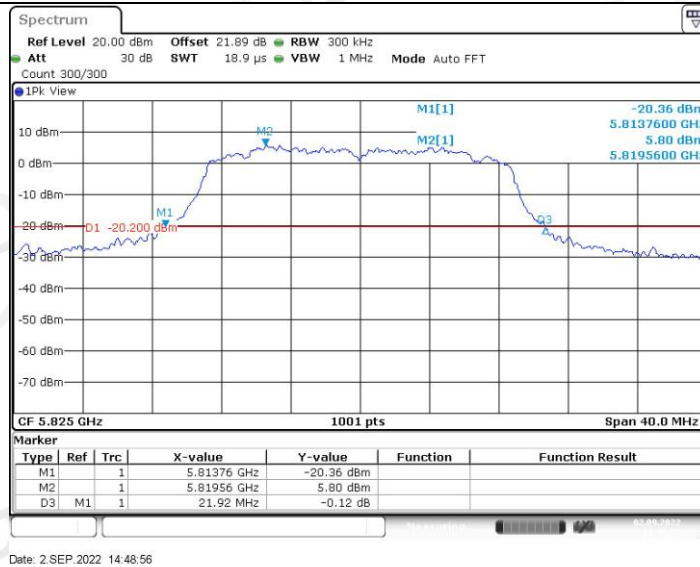
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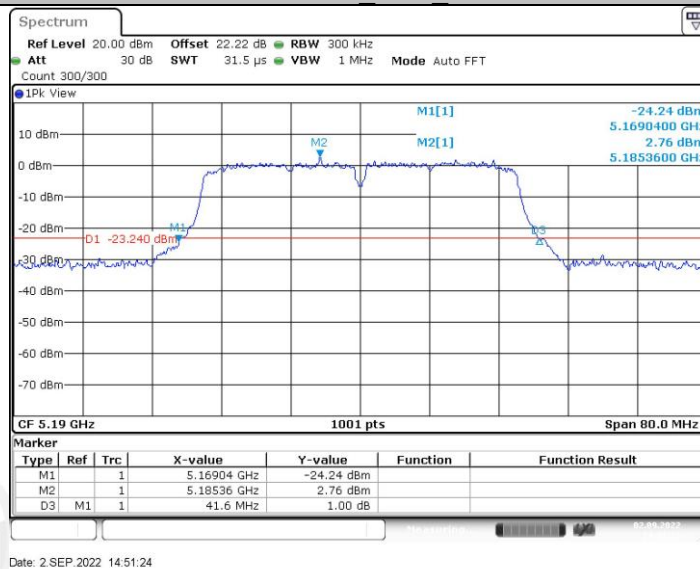
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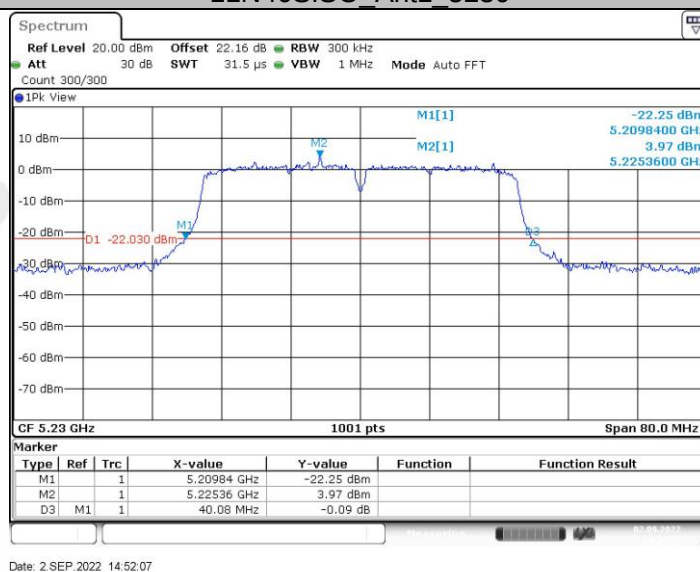
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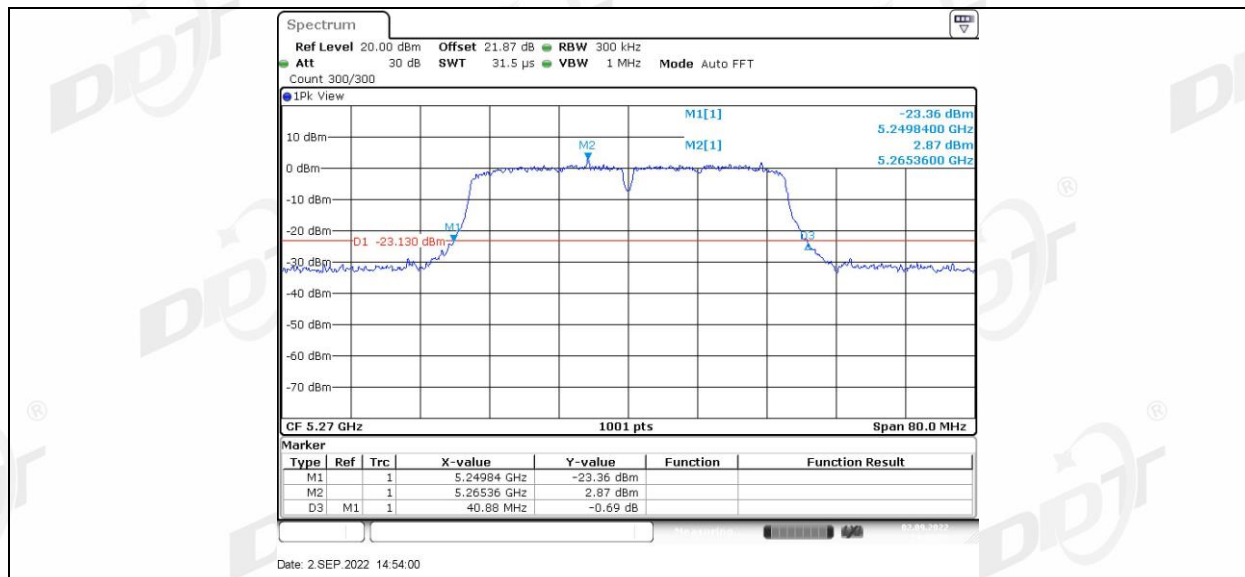
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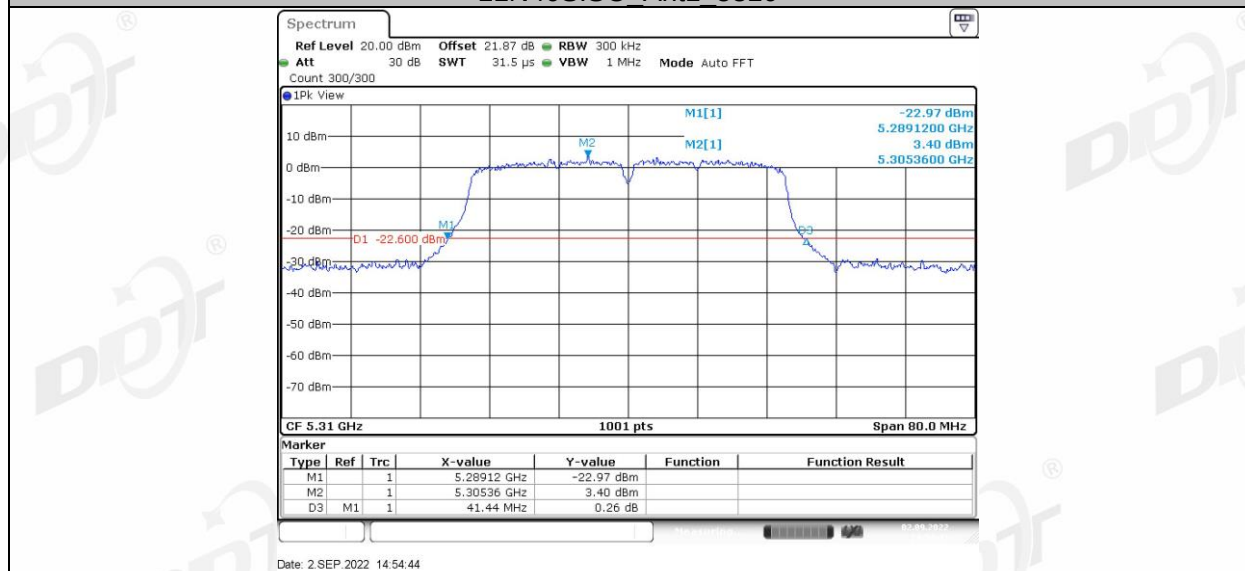
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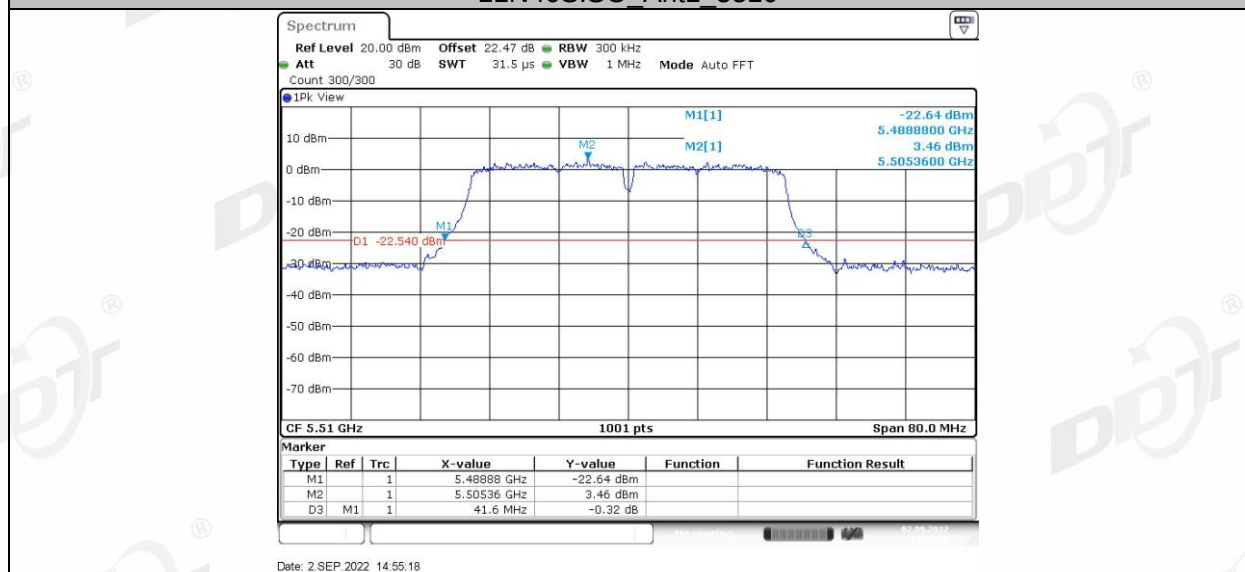
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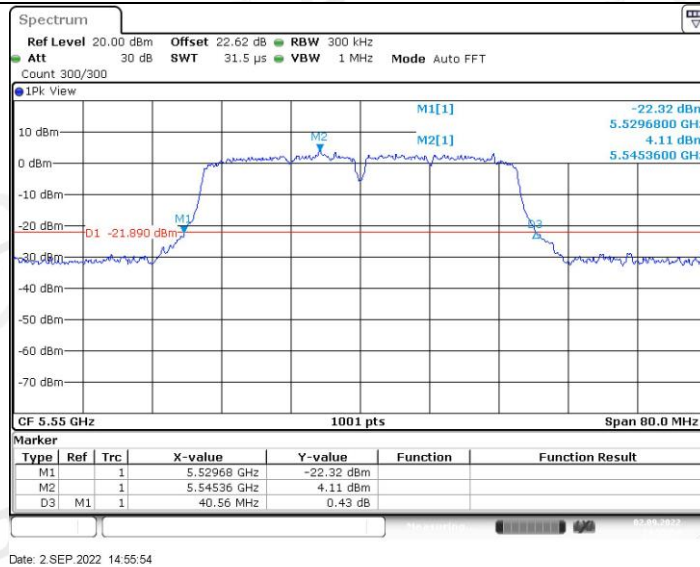
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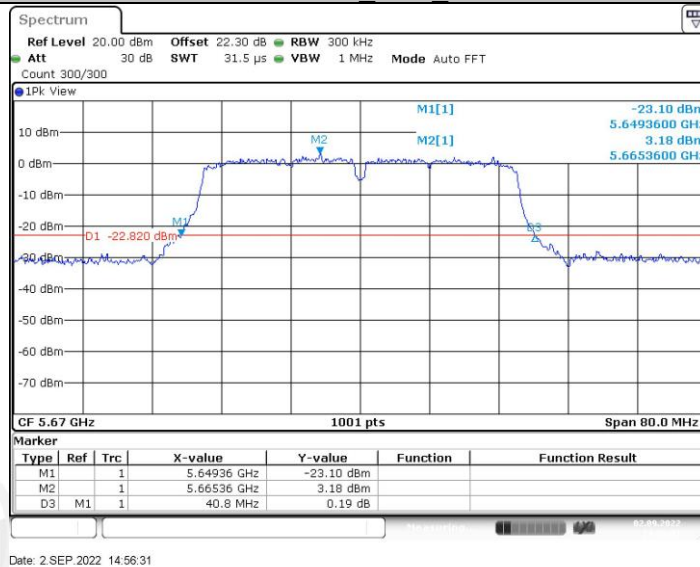
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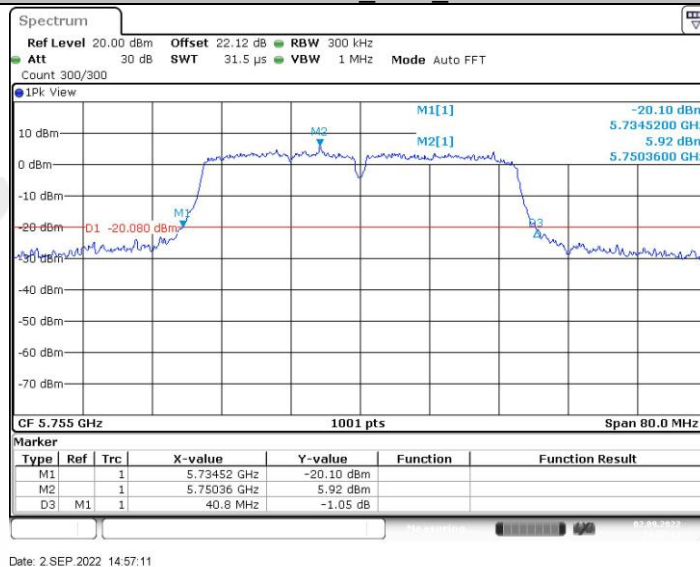
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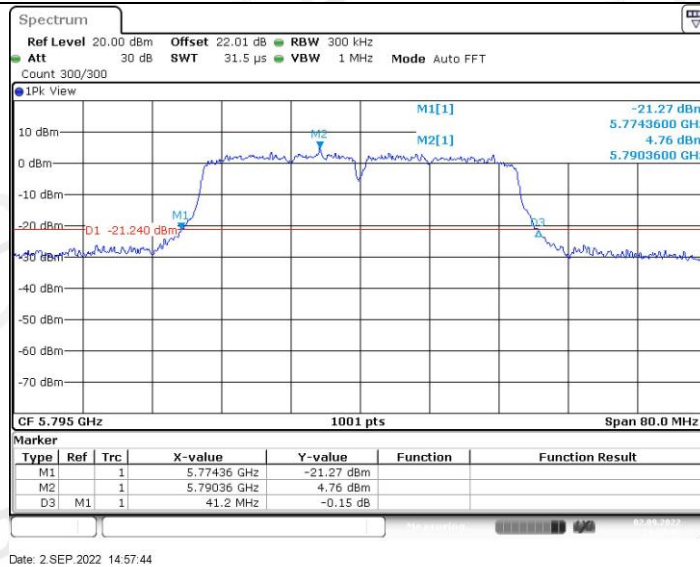
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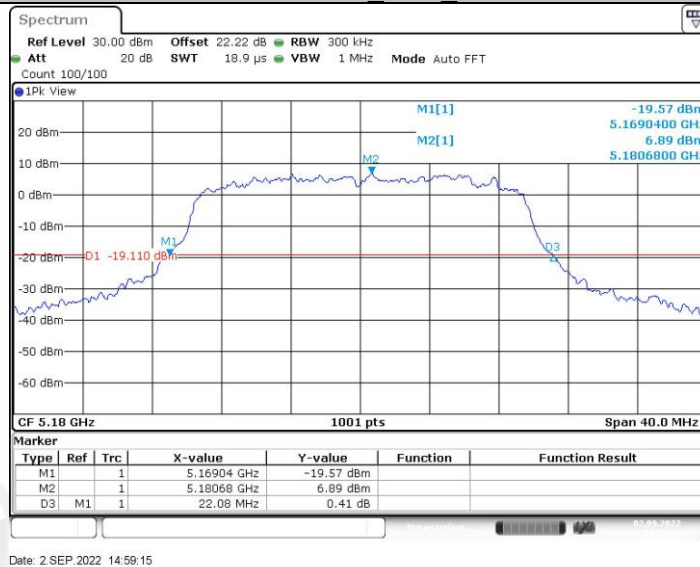
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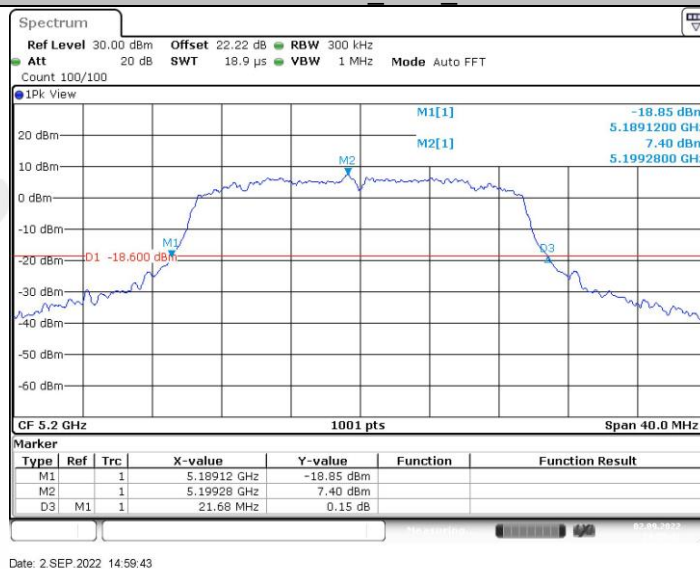
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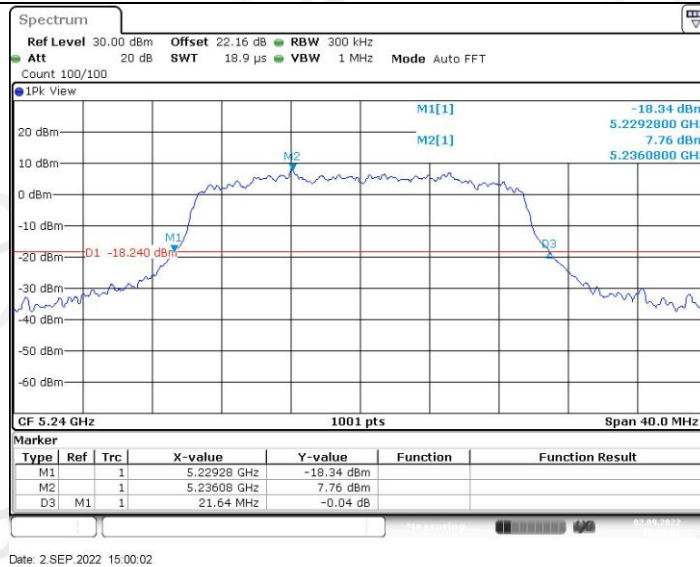
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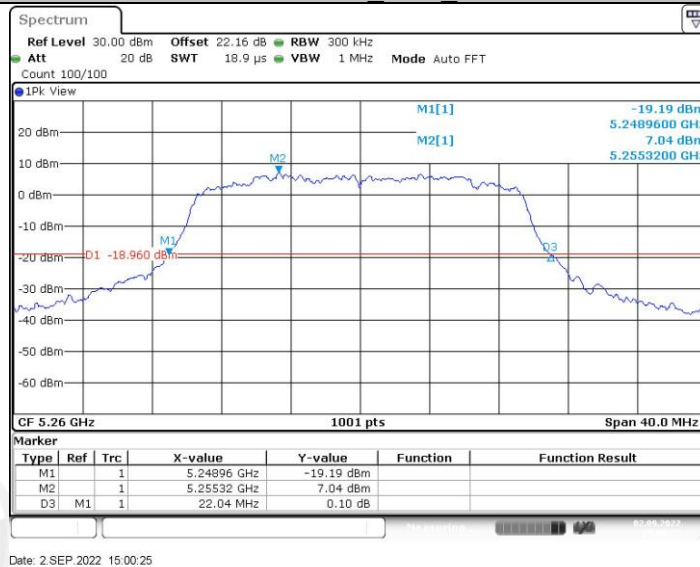
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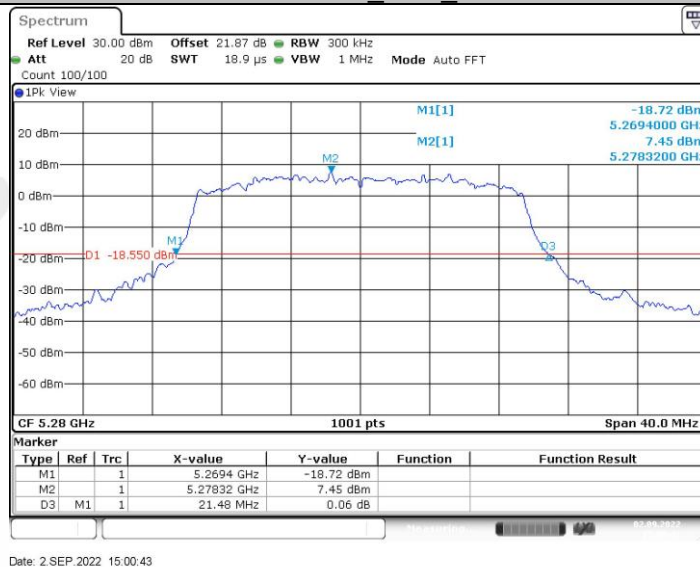
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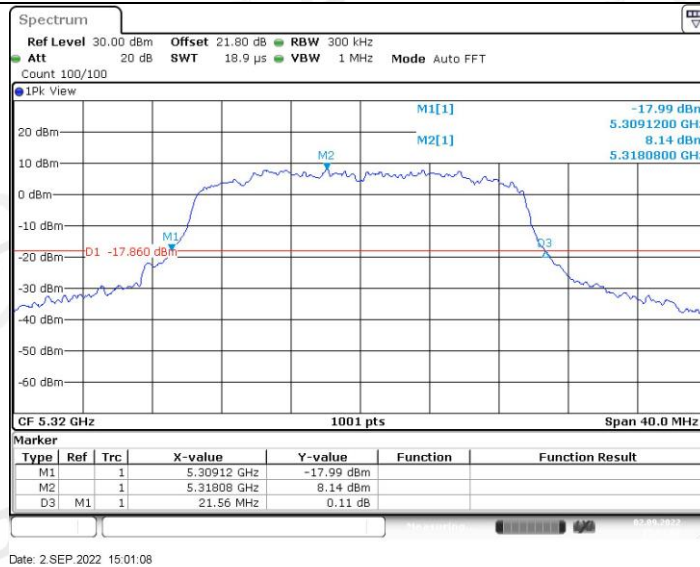
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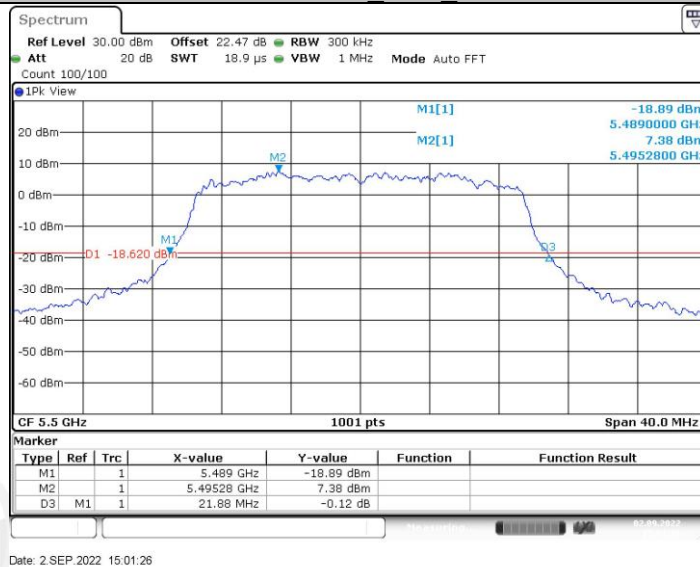
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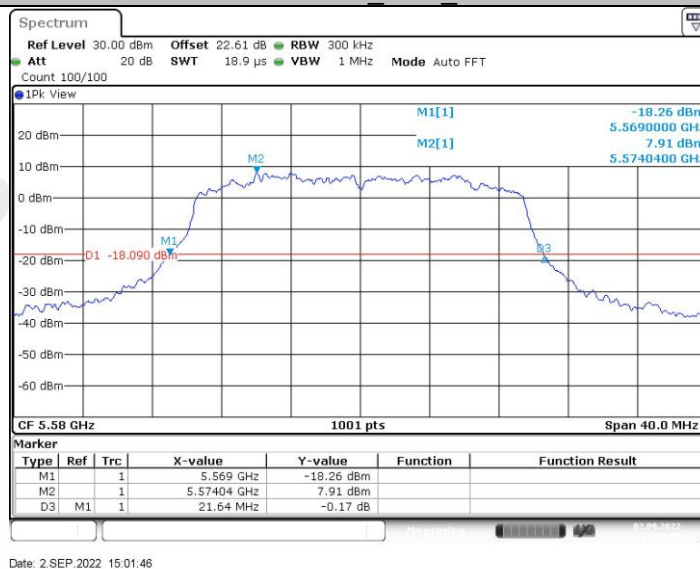
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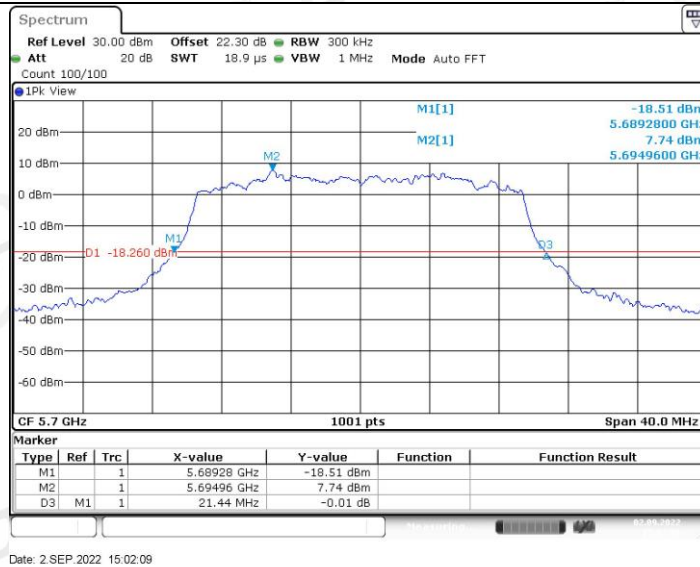
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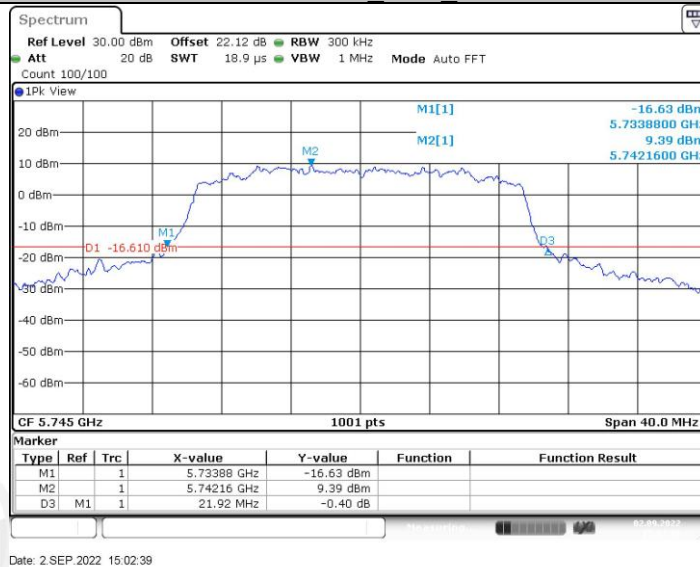
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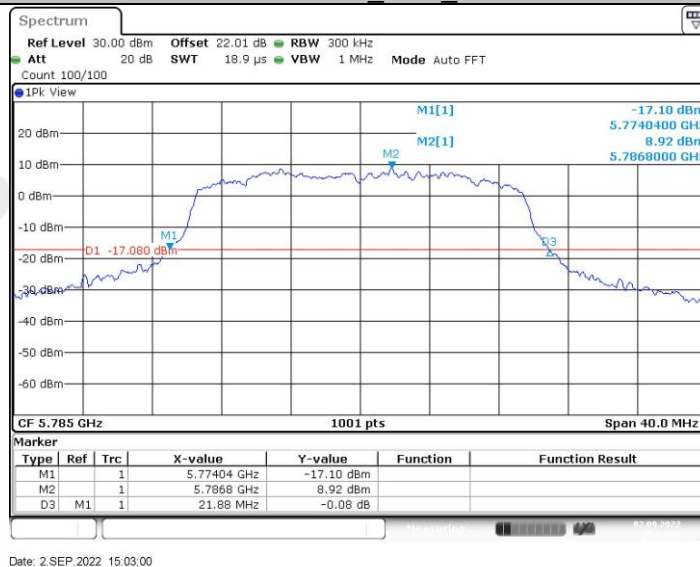
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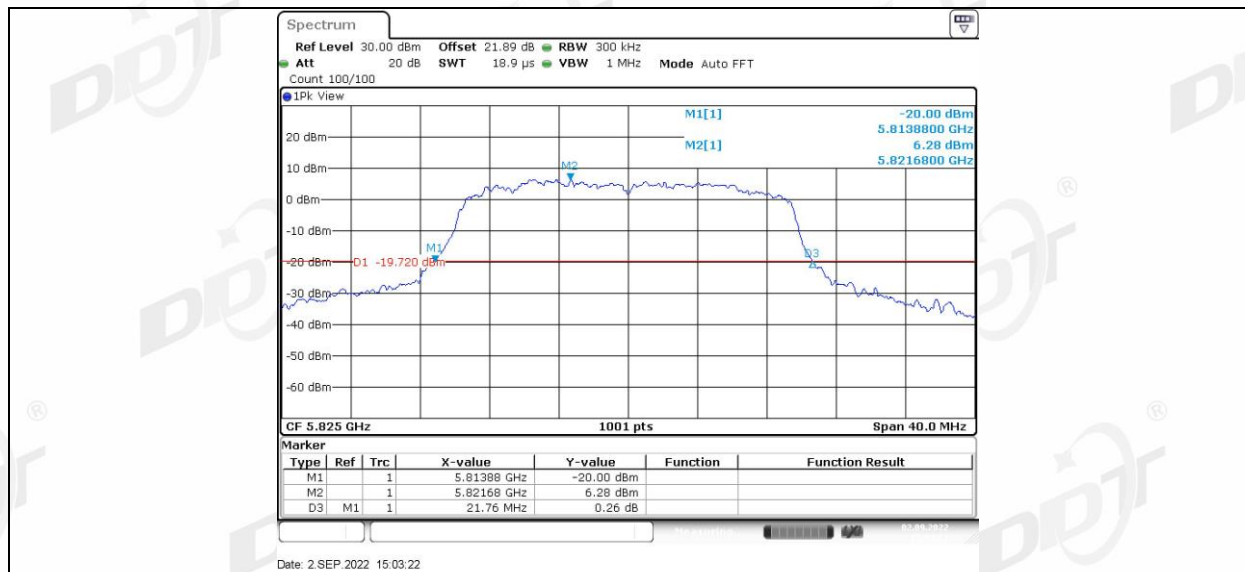
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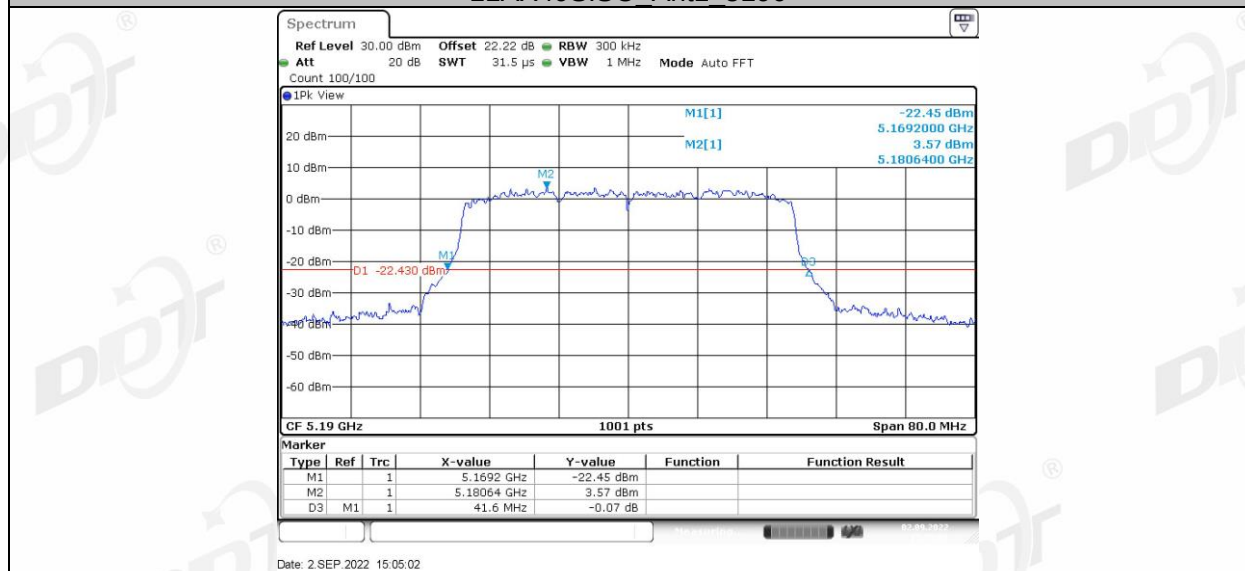
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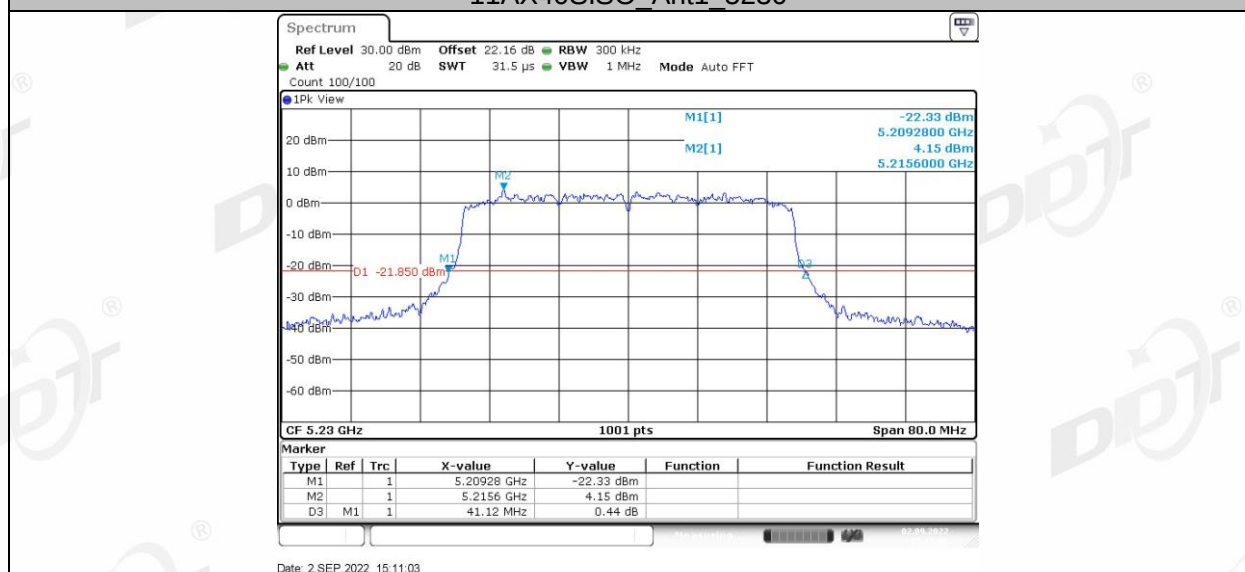
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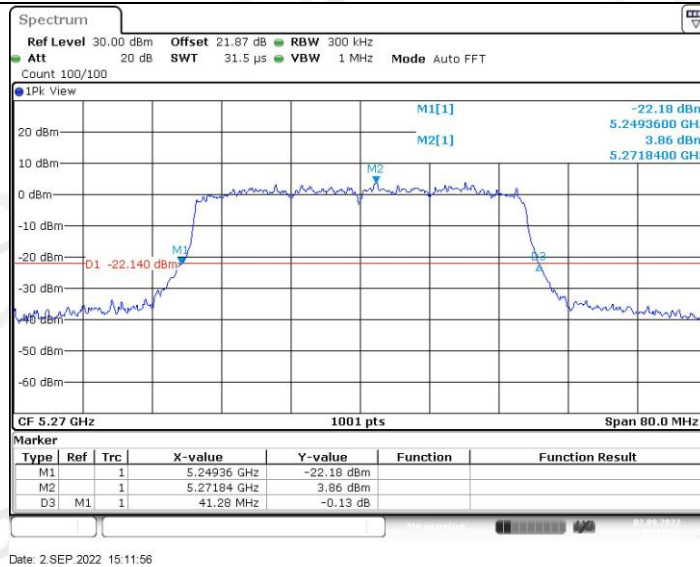
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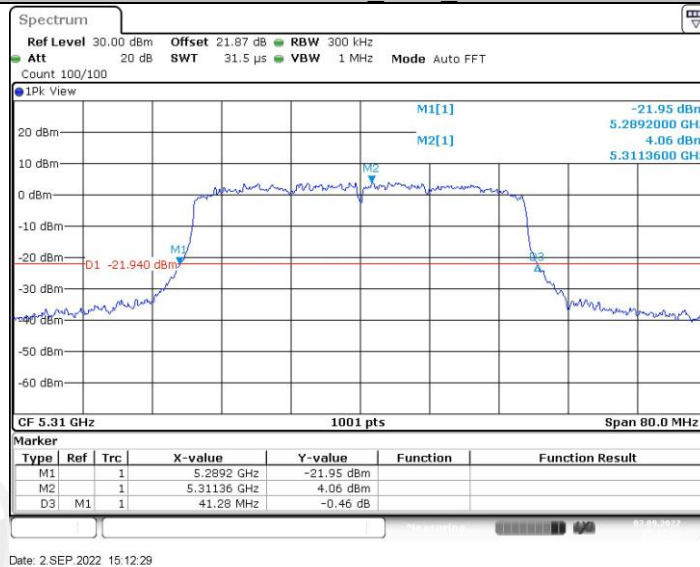
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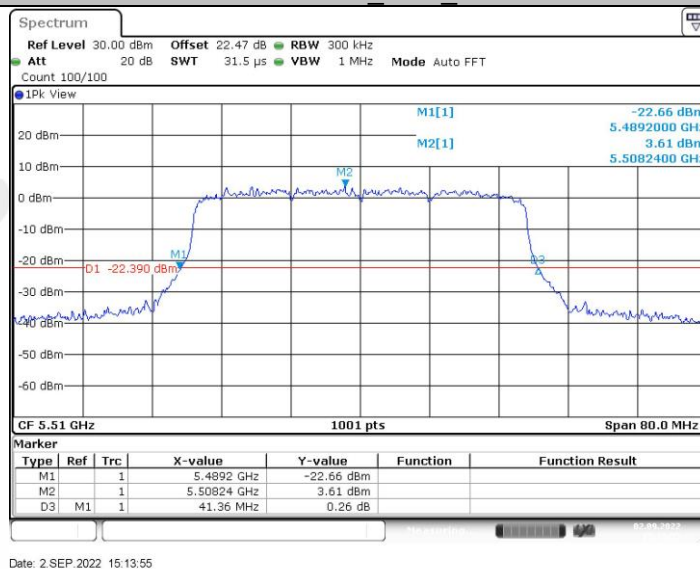
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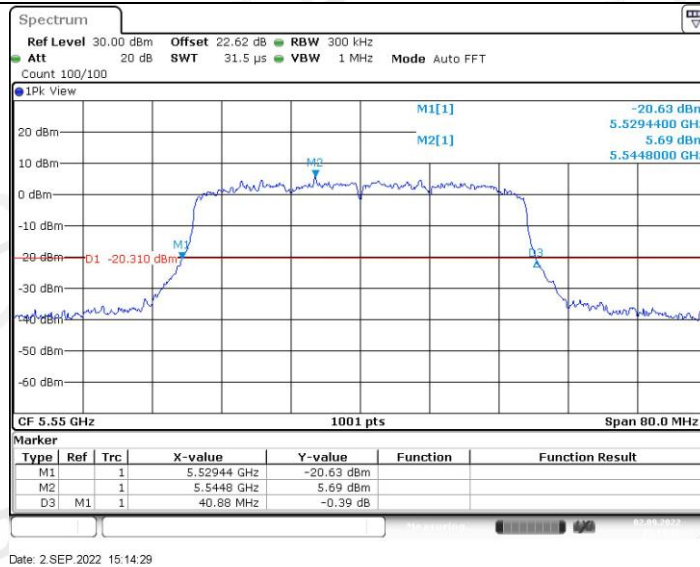
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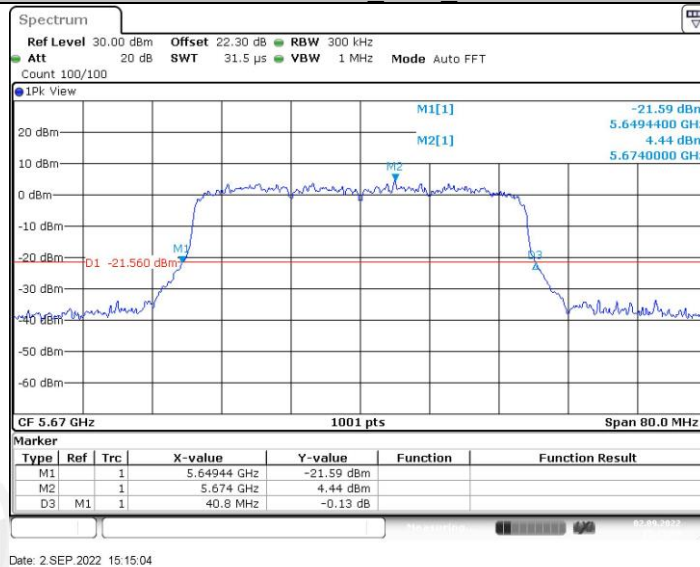
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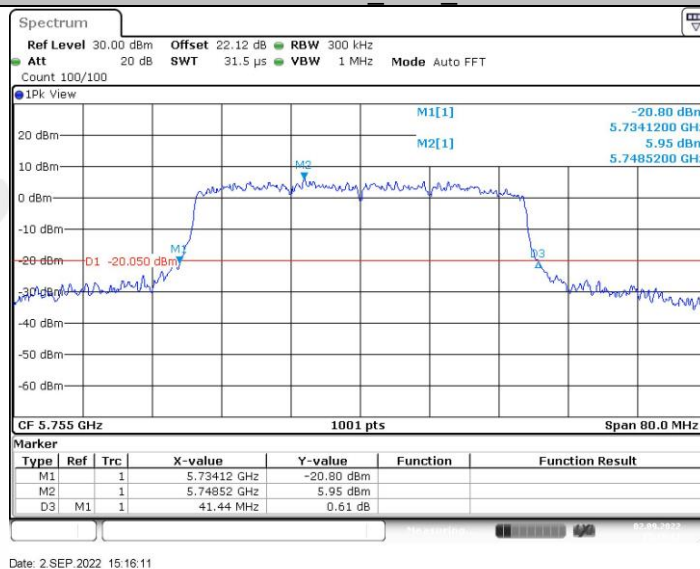
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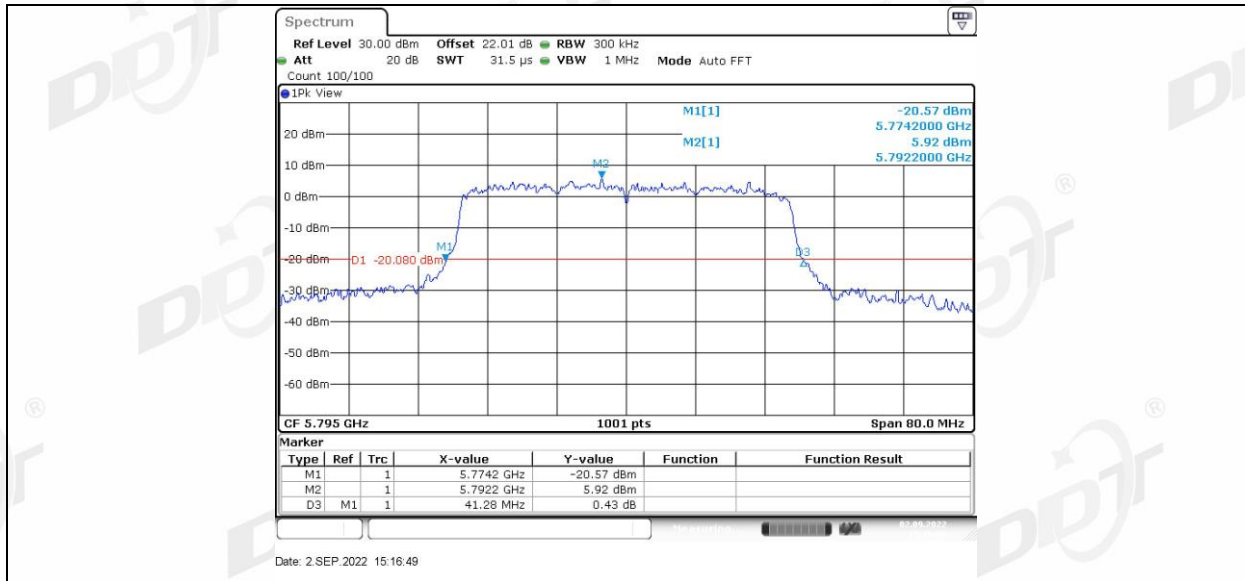
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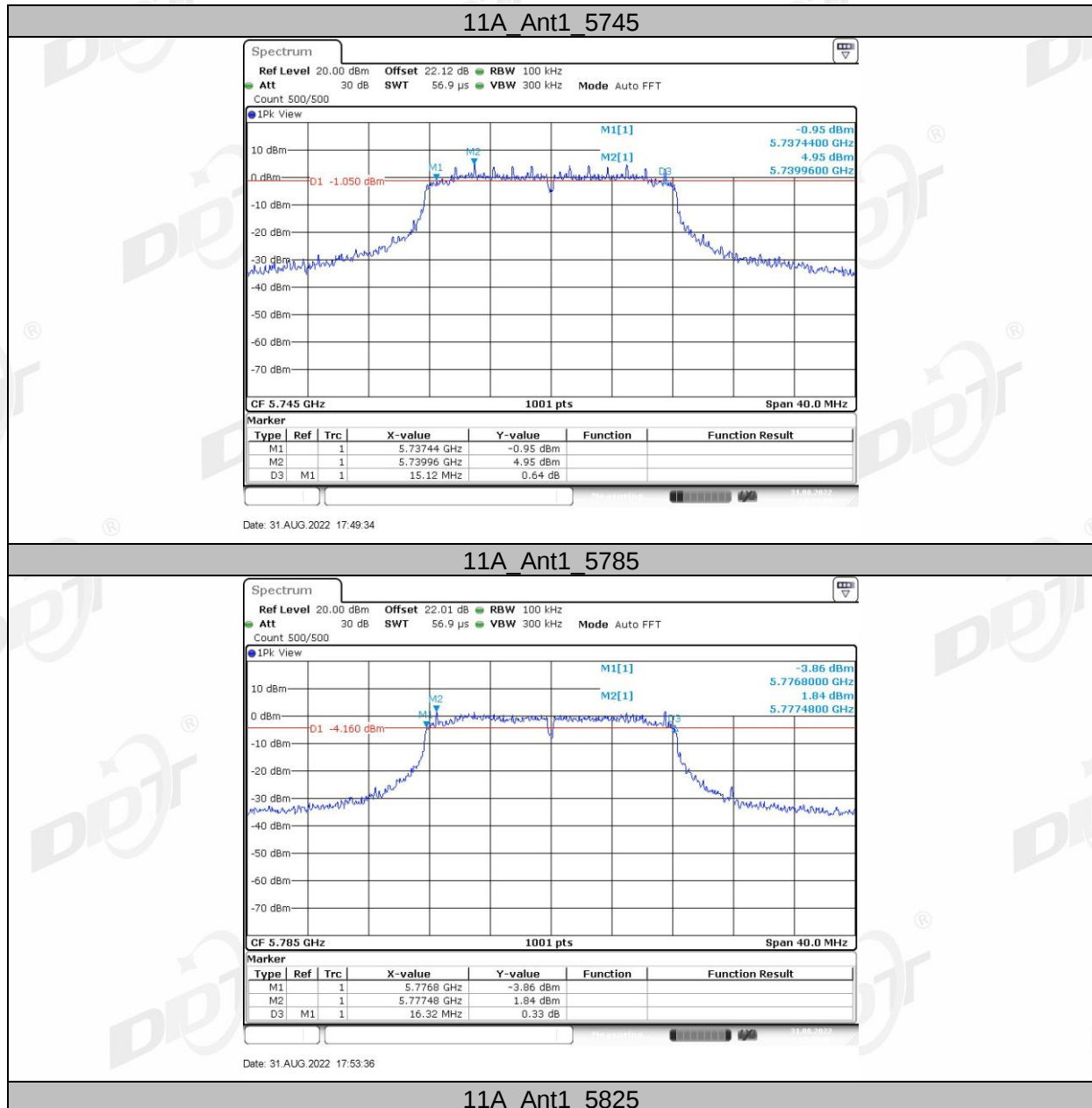
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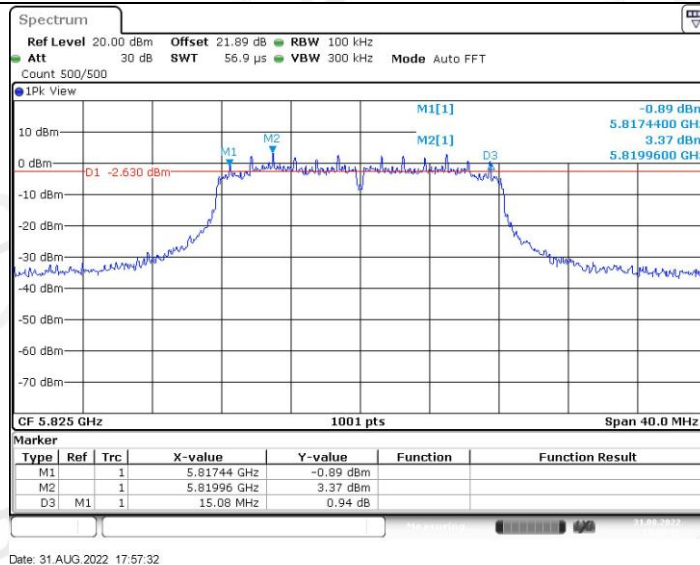


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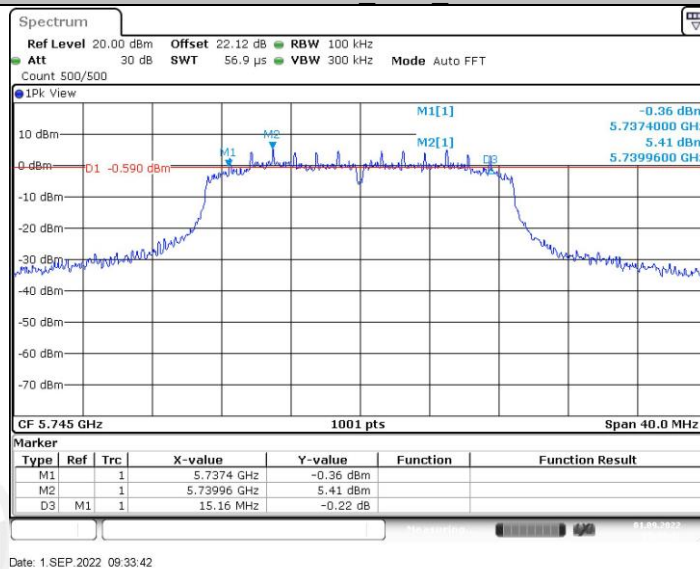


6db EBW:

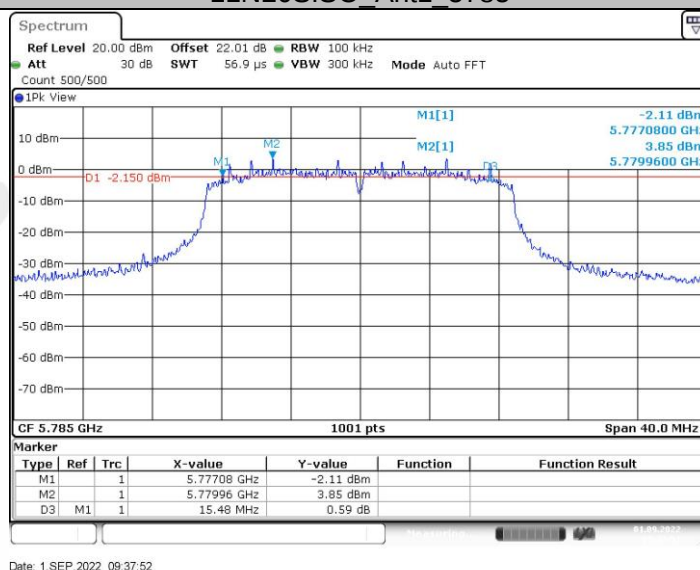




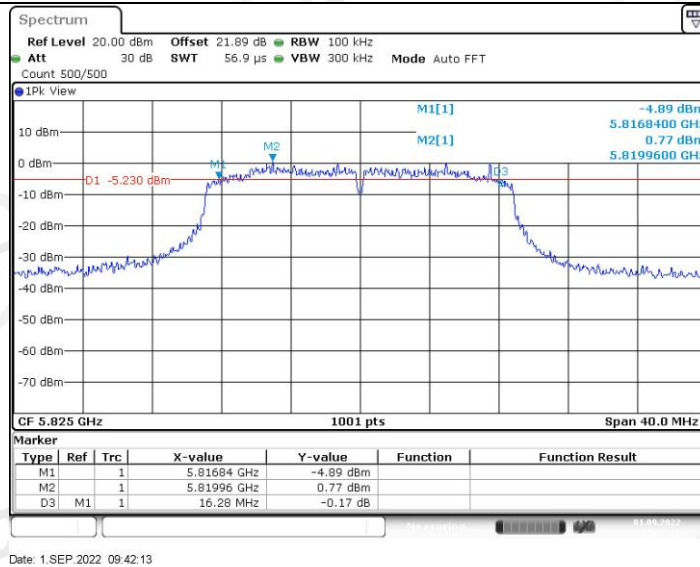
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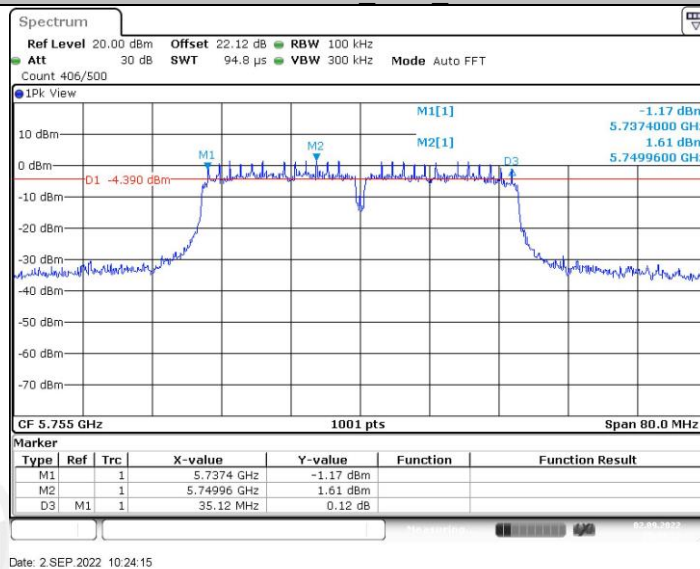
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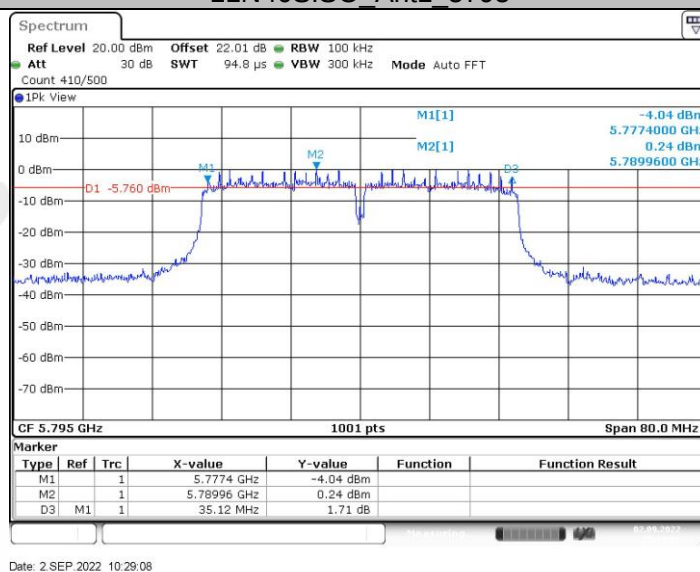
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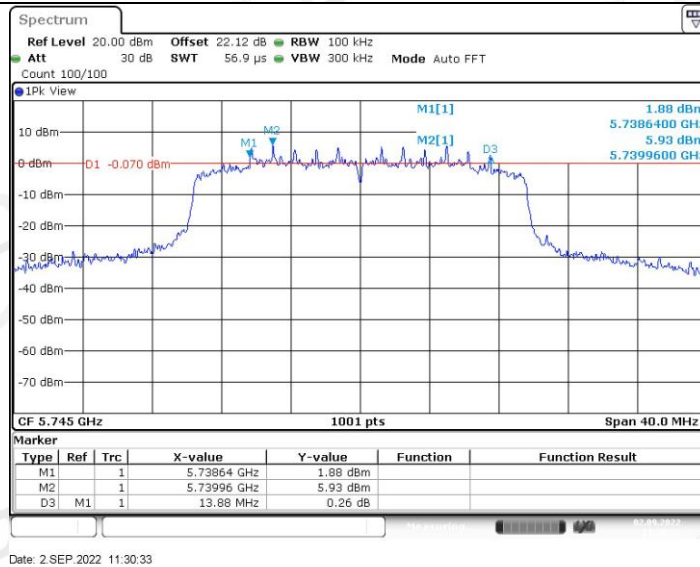
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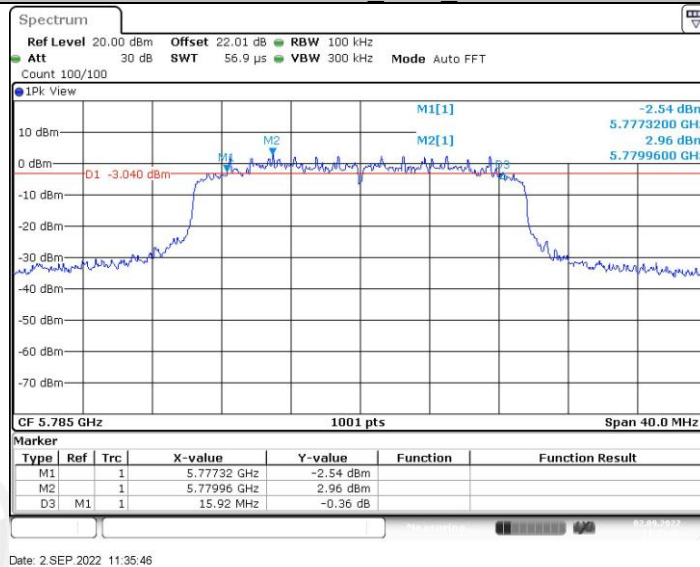
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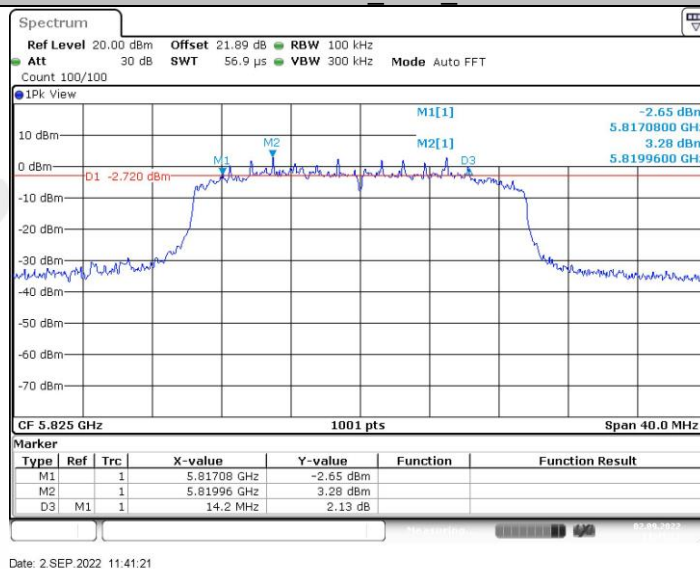
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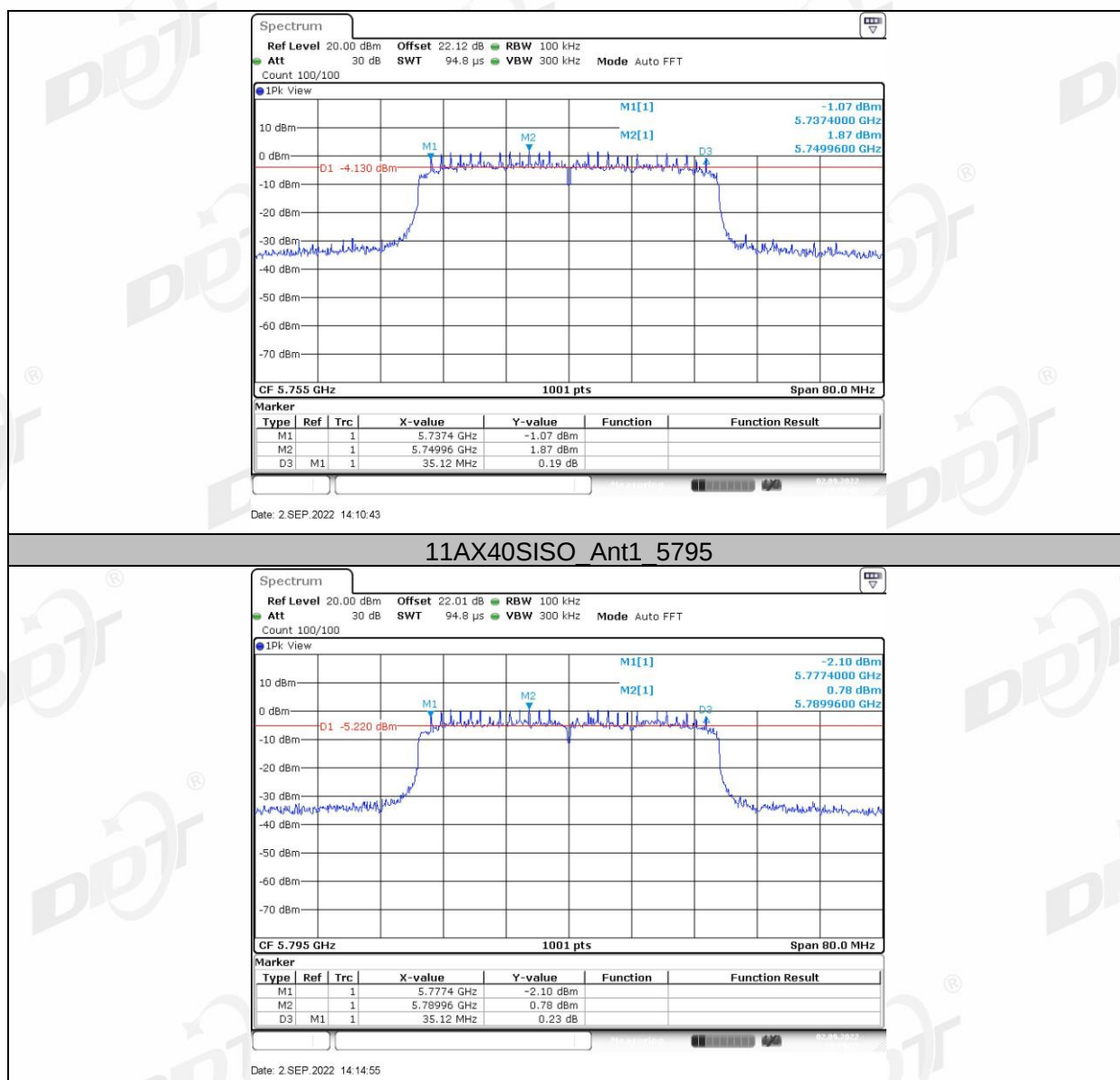
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



5. Maximum Output Power

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	For FCC client devices: 250 mW (24 dBm)	5150-5250
	For RSS: e.i.r.p. power: not exceed 200 mW (23 dBm) or $10 + 10 \log_{10} B$, whichever is less	
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$, whichever is lower	5250-5350
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$, whichever is less	
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$, whichever is lower	For FCC:5470-5725 For IC:5470-5600 5650-5725
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$, whichever is less	
	1 Watt (30 dBm)	5725-5850
Note: 1. For FCC: B=26 bandwidth; For ISDE: B=99% bandwidth. 2. For ISDE e.i.r.p. power only for 5725-5850 Band		

5.3. Test Procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator
Measure the output power by power sensor.

5.4. Test Result

Test Mode	Antenna	Channel	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	13.72	<=24	Pass
		5200	13.78	<=24	Pass
		5240	13.94	<=24	Pass
		5260	13.89	<=24	Pass
		5280	14.08	<=24	Pass
		5320	14.26	<=24	Pass
		5500	14.32	<=24	Pass
		5580	13.94	<=24	Pass
		5700	13.48	<=24	Pass
		5745	15.47	<=30	Pass
		5785	14.44	<=30	Pass
		5825	13.38	<=30	Pass
11N20SISO	Ant1	5180	13.32	<=24	Pass
		5200	13.52	<=24	Pass
		5240	13.78	<=24	Pass
		5260	13.74	<=24	Pass
		5280	13.78	<=24	Pass
		5320	14.12	<=24	Pass
		5500	14.12	<=24	Pass
		5580	13.84	<=24	Pass
		5700	13.34	<=24	Pass
		5745	15.36	<=30	Pass
		5785	14.38	<=30	Pass
		5825	13.29	<=30	Pass
11N40SISO	Ant1	5190	13.08	<=24	Pass
		5230	13.47	<=24	Pass
		5270	13.47	<=24	Pass
		5310	13.67	<=24	Pass
		5510	13.72	<=24	Pass
		5550	13.60	<=24	Pass
		5670	13.16	<=24	Pass
		5755	14.79	<=30	Pass
		5795	14.02	<=30	Pass
		5825	13.25	<=30	Pass
11AX20SISO	Ant1	5180	13.91	<=24	Pass
		5200	13.44	<=24	Pass
		5240	13.84	<=24	Pass
		5260	13.77	<=24	Pass
		5280	13.82	<=24	Pass
		5320	14.11	<=24	Pass
		5500	13.98	<=24	Pass
		5580	13.82	<=24	Pass
		5700	13.25	<=24	Pass
		5745	15.53	<=30	Pass
		5785	14.42	<=30	Pass
		5825	13.25	<=30	Pass
11AX40SISO	Ant1	5190	13.15	<=24	Pass
		5230	13.49	<=24	Pass

		5270	13.72	<=24	Pass
		5310	14.01	<=24	Pass
		5510	14.01	<=24	Pass
		5550	13.65	<=24	Pass
		5670	13.14	<=24	Pass
		5755	15.10	<=30	Pass
		5795	14.09	<=30	Pass

Test Mode	Antenna	Channel	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	18.89	<=24	Pass
		5200	18.95	<=24	Pass
		5240	19.11	<=24	Pass
		5260	19.06	<=24	Pass
		5280	19.25	<=24	Pass
		5320	19.43	<=24	Pass
		5500	19.49	<=24	Pass
		5580	19.11	<=24	Pass
		5700	18.65	<=24	Pass
		5745	20.64	<=30	Pass
		5785	19.61	<=30	Pass
		5825	18.55	<=30	Pass
11N20SISO	Ant1	5180	18.49	<=24	Pass
		5200	18.69	<=24	Pass
		5240	18.95	<=24	Pass
		5260	18.91	<=24	Pass
		5280	18.95	<=24	Pass
		5320	19.29	<=24	Pass
		5500	19.29	<=24	Pass
		5580	19.01	<=24	Pass
		5700	18.51	<=24	Pass
		5745	20.53	<=30	Pass
		5785	19.55	<=30	Pass
		5825	18.46	<=30	Pass
11N40SISO	Ant1	5190	18.25	<=24	Pass
		5230	18.64	<=24	Pass
		5270	18.64	<=24	Pass
		5310	18.84	<=24	Pass
		5510	18.89	<=24	Pass
		5550	18.77	<=24	Pass
		5670	18.33	<=24	Pass
		5755	19.96	<=30	Pass
		5795	19.19	<=30	Pass
11AX20SISO	Ant1	5180	19.08	<=24	Pass
		5200	18.61	<=24	Pass
		5240	19.01	<=24	Pass
		5260	18.94	<=24	Pass
		5280	18.99	<=24	Pass
		5320	19.28	<=24	Pass
		5500	19.15	<=24	Pass
		5580	18.99	<=24	Pass
		5700	18.42	<=24	Pass

11AX40SISO	Ant1	5745	20.70	<=30	Pass
		5785	19.59	<=30	Pass
		5825	18.42	<=30	Pass
		5190	18.32	<=24	Pass
		5230	18.66	<=24	Pass
		5270	18.89	<=24	Pass
		5310	19.18	<=24	Pass
		5510	19.18	<=24	Pass
		5550	18.82	<=24	Pass
		5670	18.31	<=24	Pass
		5755	20.27	<=30	Pass
		5795	19.26	<=30	Pass

6. Power Spectral Density

6.1. Block diagram of test setup

Same with 4.1

6.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	For FCC: Other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz	5150-5250
	For RSS eirp:10 dBm/MHz	
	11 dBm/MHz	5250-5350
	11 dBm/MHz	For FCC:5470-5725 For IC:5470-5600 5650-5725
	30 dBm/500 kHz	5725-5850

6.3. Test Procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyser and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

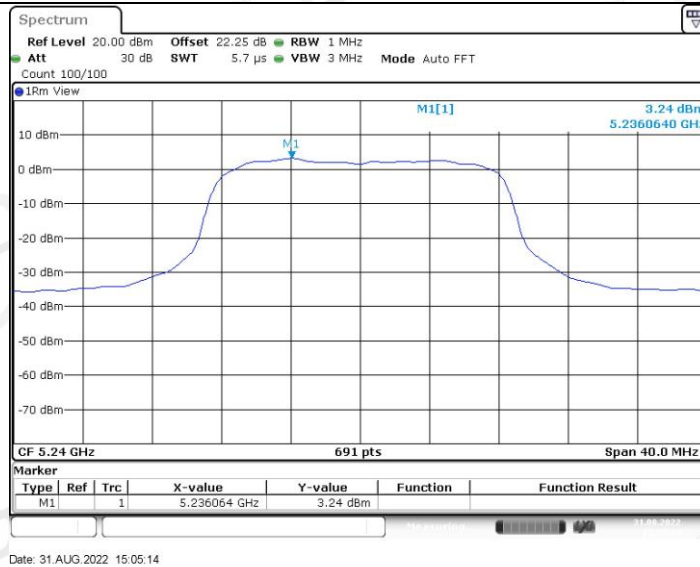
6.4. Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.68	≤11	PASS
		5200	2.91	≤11	PASS
		5240	3.24	≤11	PASS
		5260	2.5	≤11	PASS
		5280	3.03	≤11	PASS
		5320	3.15	≤11	PASS
		5500	3.16	≤11	PASS
		5580	3.04	≤11	PASS
		5700	2.51	≤11	PASS
		5745	1.59	≤30	PASS
		5785	0.84	≤30	PASS
		5825	-0.85	≤30	PASS
11N20SISO	Ant1	5180	2.32	≤11	PASS
		5200	2.18	≤11	PASS
		5240	2.34	≤11	PASS
		5260	2.73	≤11	PASS
		5280	1.9	≤11	PASS
		5320	3.04	≤11	PASS
		5500	2.81	≤11	PASS
		5580	2.58	≤11	PASS
		5700	2.13	≤11	PASS
		5745	1.33	≤30	PASS
		5785	0.56	≤30	PASS
		5825	-0.82	≤30	PASS
11N40SISO	Ant1	5190	-1.51	≤11	PASS
		5230	-1.01	≤11	PASS
		5270	-1.26	≤11	PASS
		5310	-0.96	≤11	PASS
		5510	-0.61	≤11	PASS
		5550	-0.61	≤11	PASS
		5670	-1.21	≤11	PASS
		5755	-2.42	≤30	PASS
		5795	-3.54	≤30	PASS
11AX20SISO	Ant1	5180	2.3	≤11	PASS
		5200	2.5	≤11	PASS
		5240	2.44	≤11	PASS
		5260	2.38	≤11	PASS
		5280	2.21	≤11	PASS
		5320	2.8	≤11	PASS
		5500	3.13	≤11	PASS
		5580	2.56	≤11	PASS
		5700	2.05	≤11	PASS
		5745	1.04	≤30	PASS
		5785	0.66	≤30	PASS
		5825	-0.95	≤30	PASS
11AX40SISO	Ant1	5190	-1.52	≤11	PASS
		5230	-1.18	≤11	PASS
		5270	-0.95	≤11	PASS

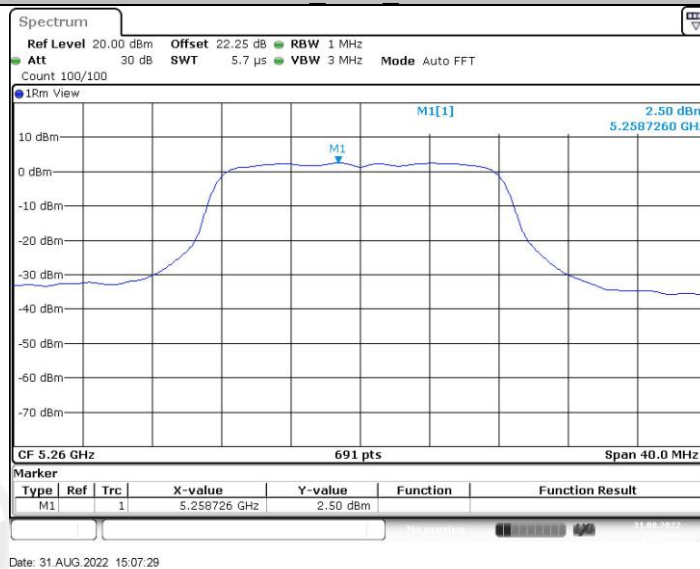
		5310	-0.3	≤11	PASS
		5510	-0.17	≤11	PASS
		5550	-1.02	≤11	PASS
		5670	-1.39	≤11	PASS
		5755	-2.37	≤30	PASS
		5795	-3.22	≤30	PASS

6.5. Original test data

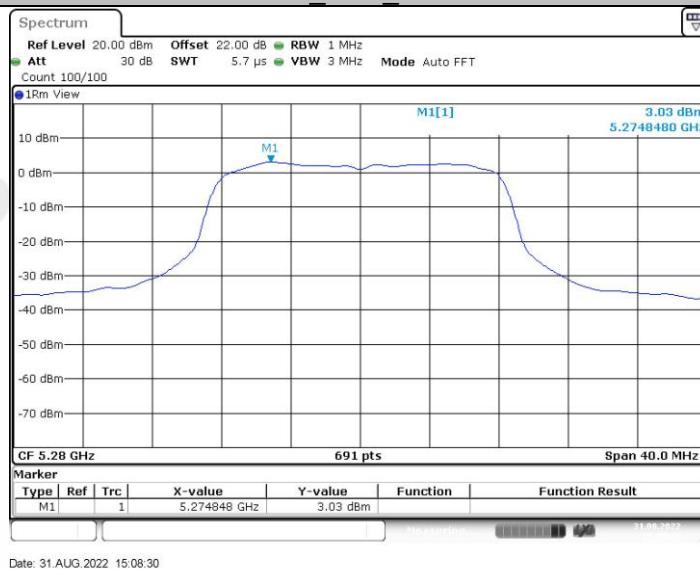




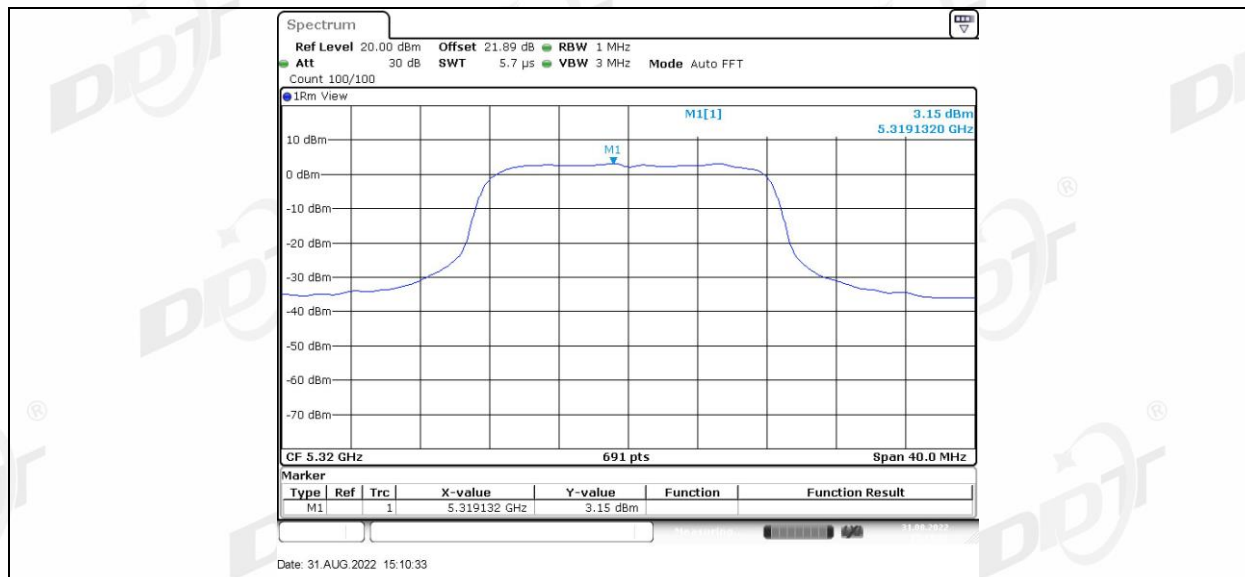
11A_Ant1_5260



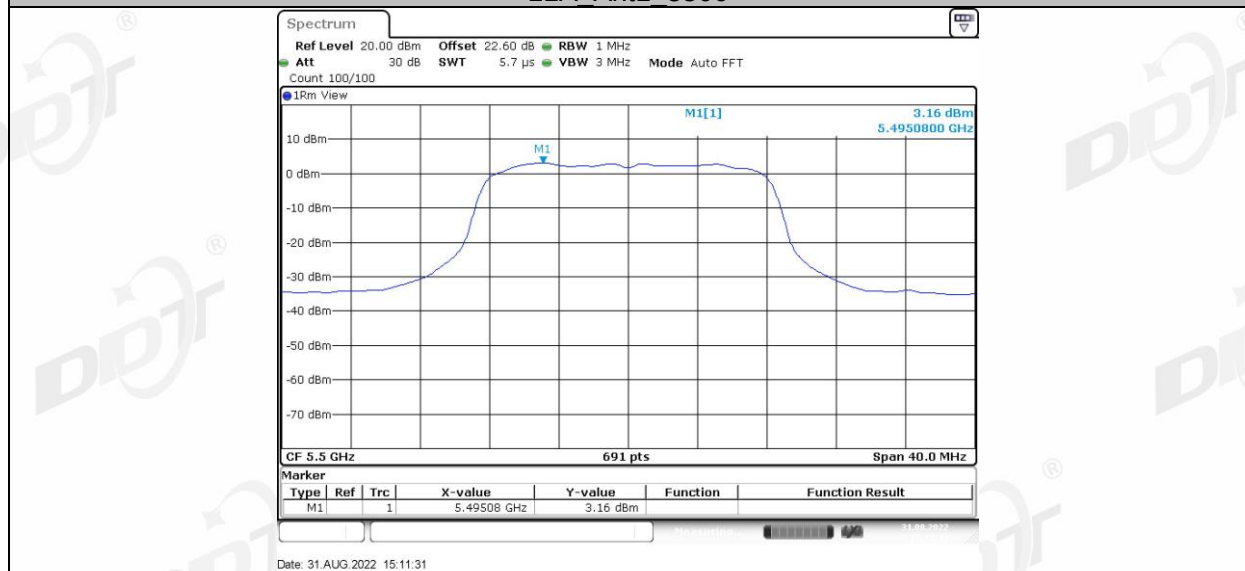
11A_Ant1_5280



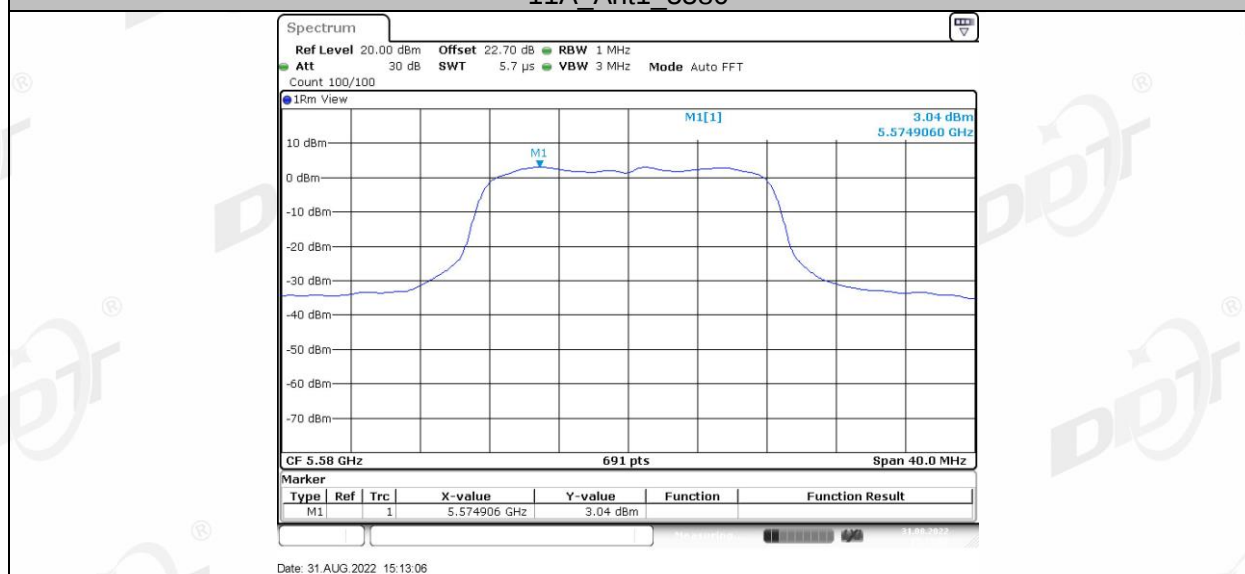
11A_Ant1_5320



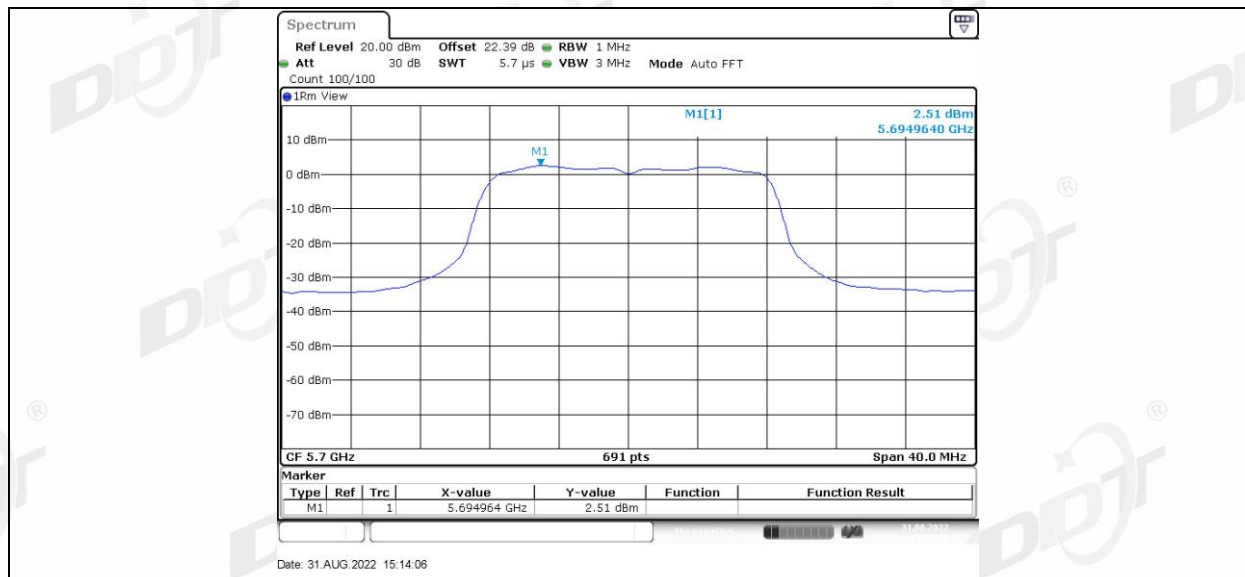
11A_Ant1_5500



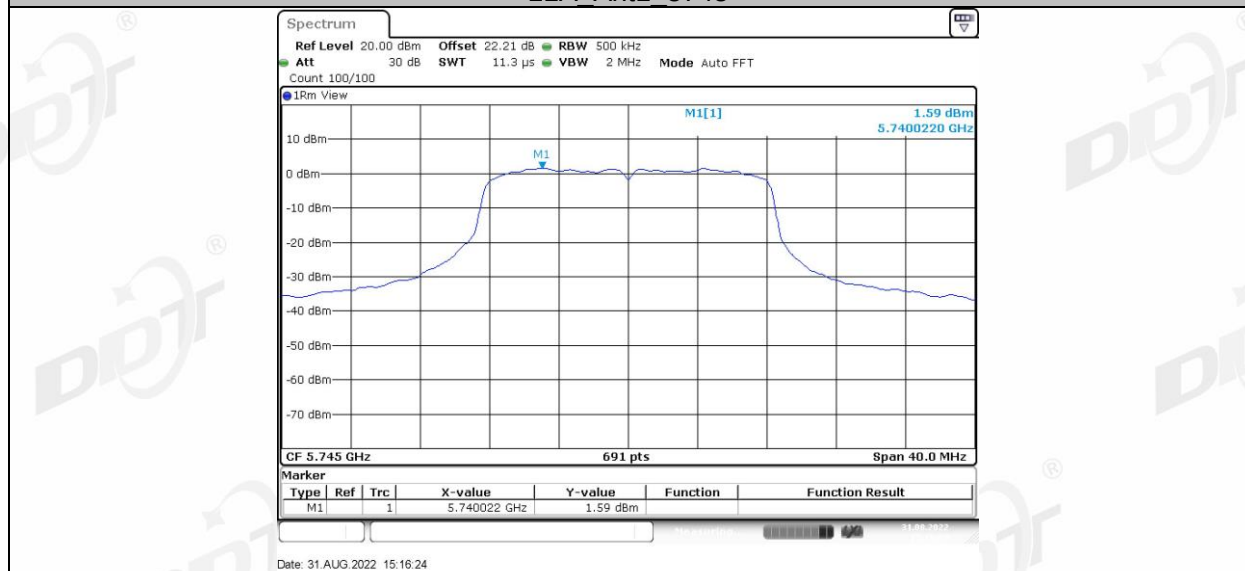
11A_Ant1_5580



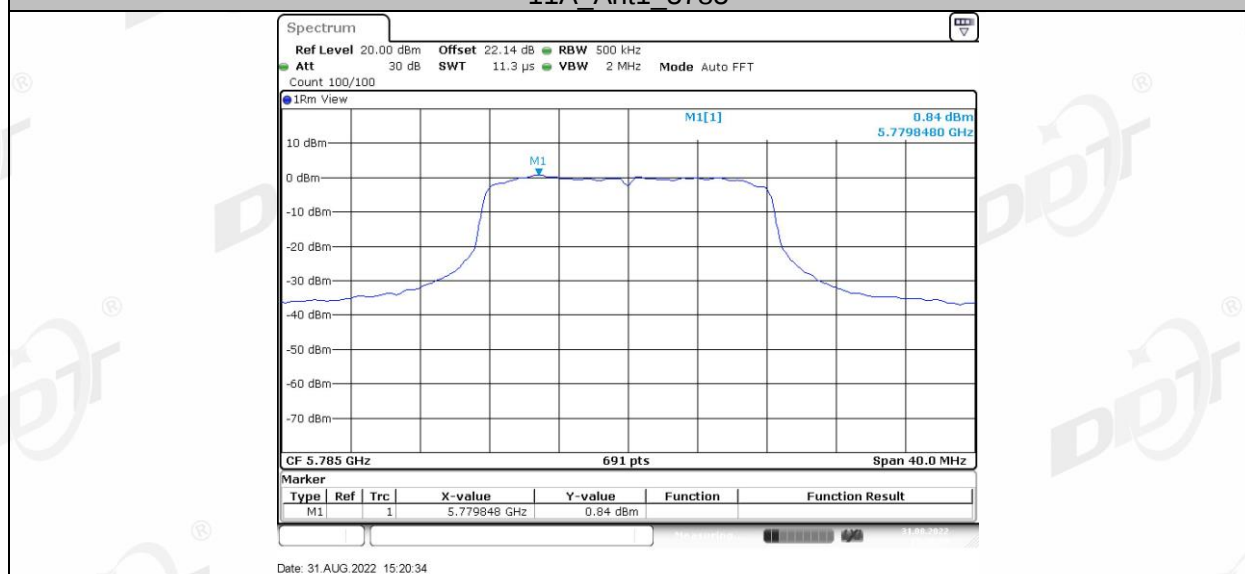
11A_Ant1_5700



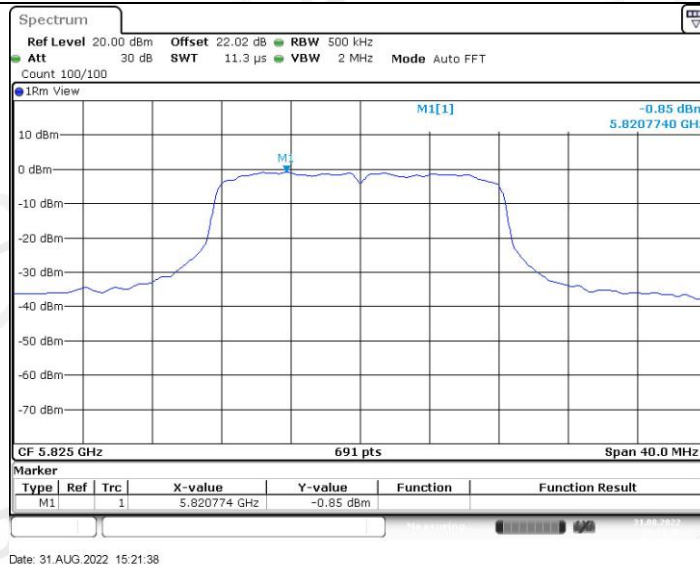
11A_Ant1_5745



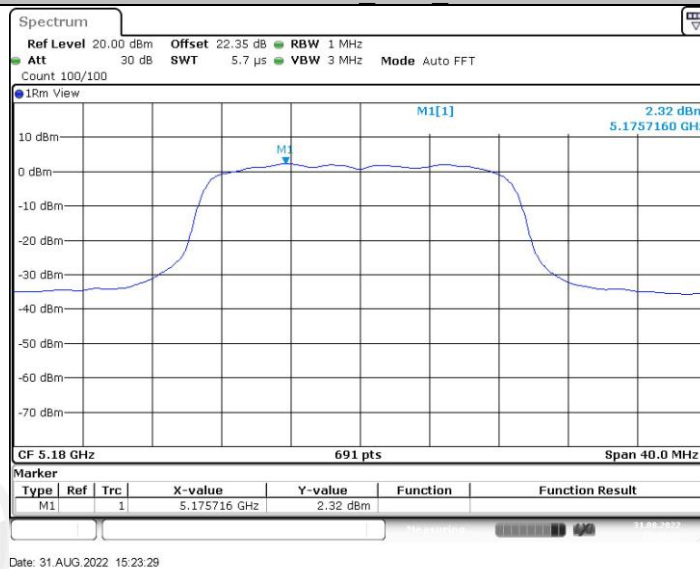
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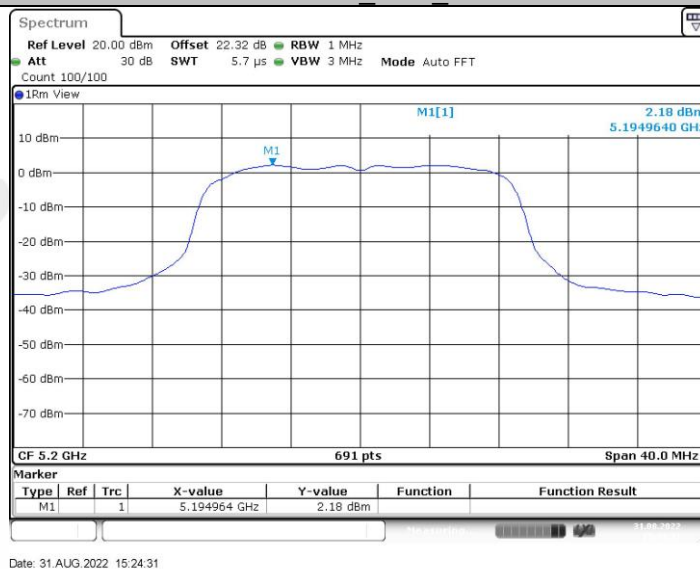
11A_Ant1_5825



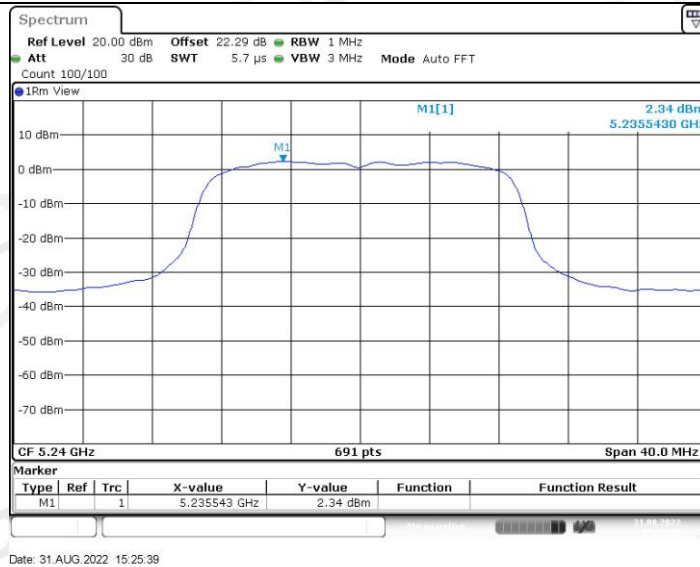
11N20SISO_Ant1_5180



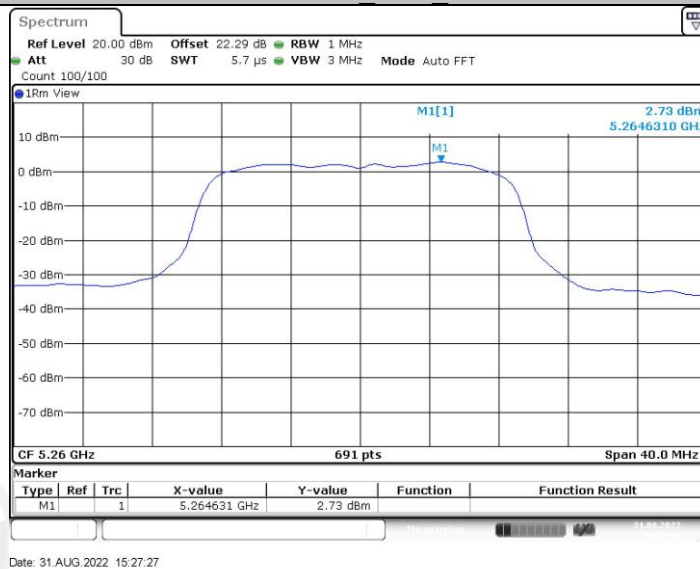
11N20SISO_Ant1_5200



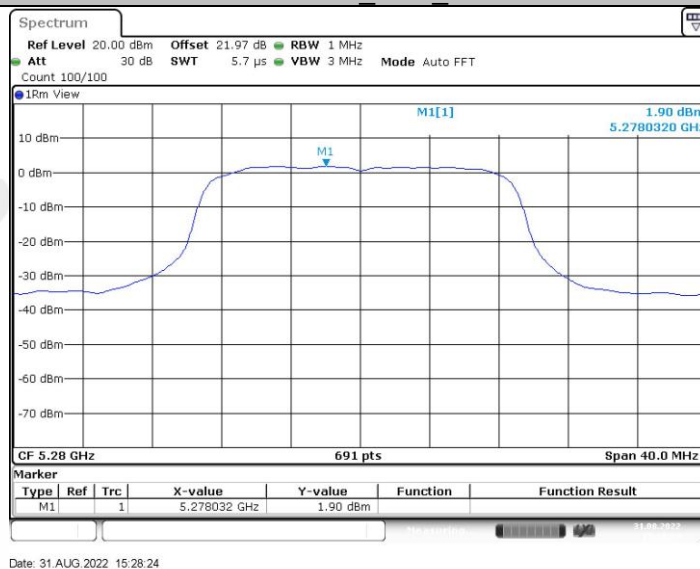
11N20SISO_Ant1_5240



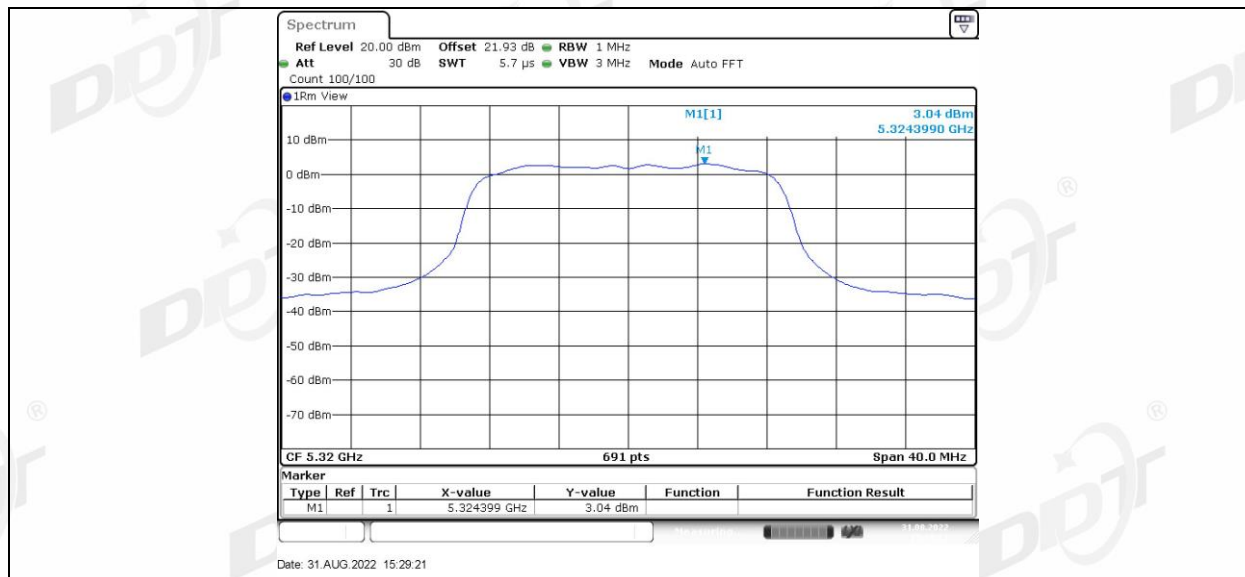
11N20SISO_Ant1_5260



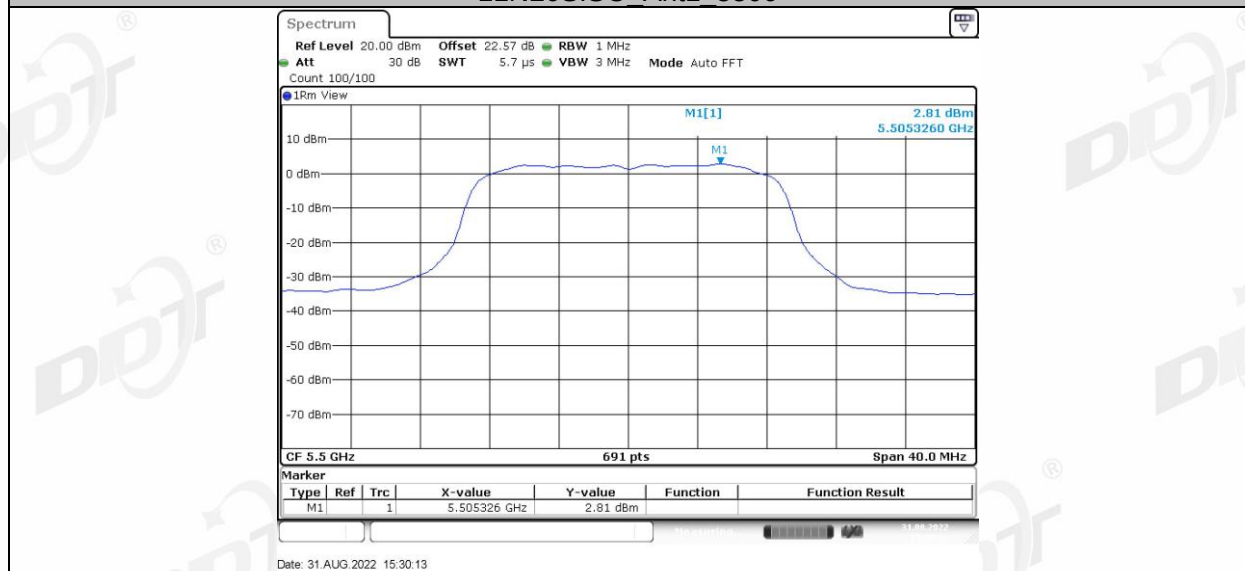
11N20SISO_Ant1_5280



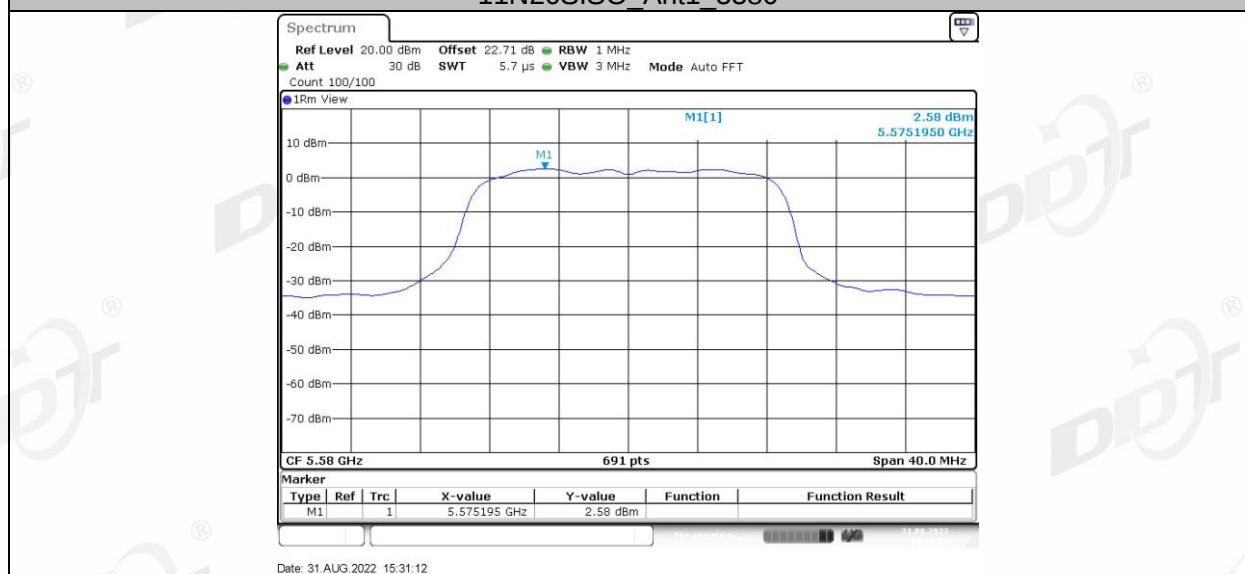
11N20SISO_Ant1_5320



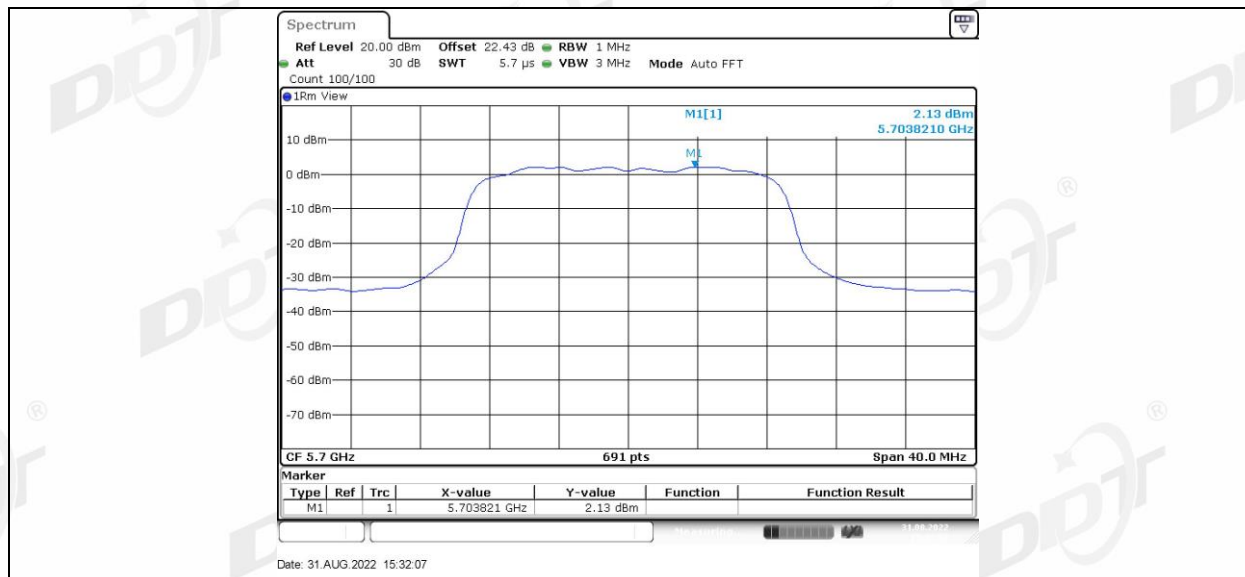
11N20SISO_Ant1_5500



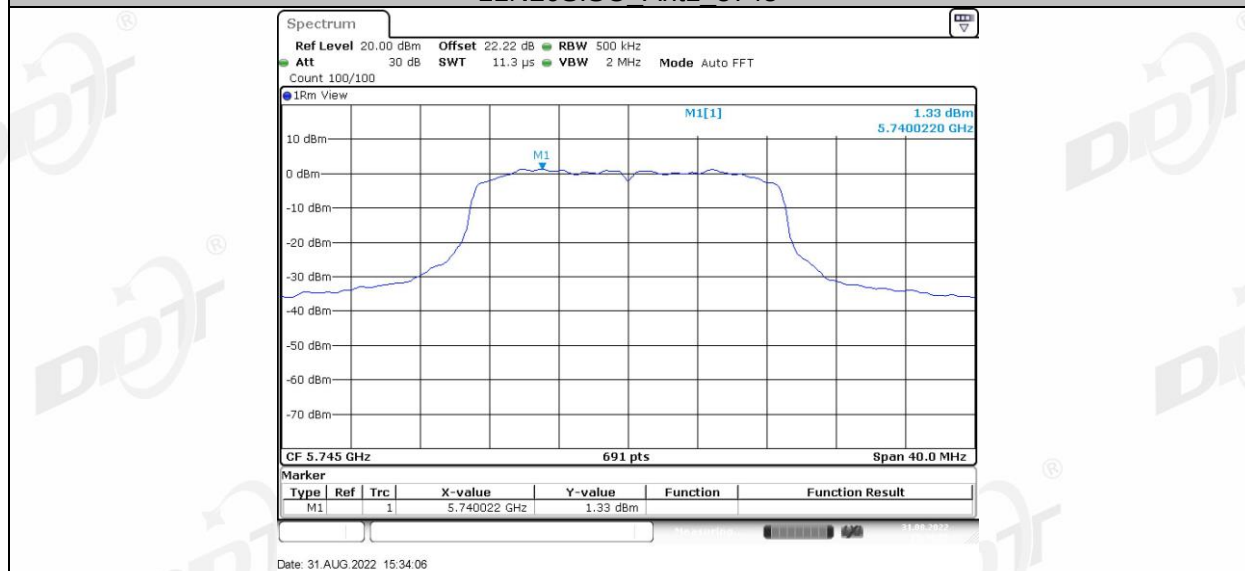
11N20SISO_Ant1_5580



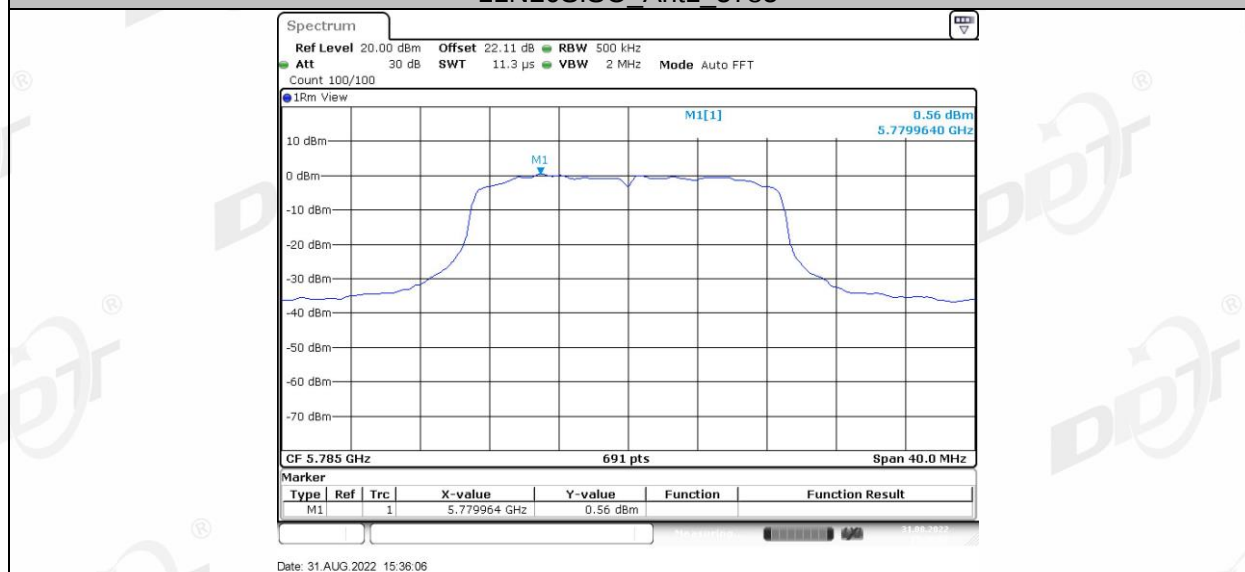
11N20SISO_Ant1_5700



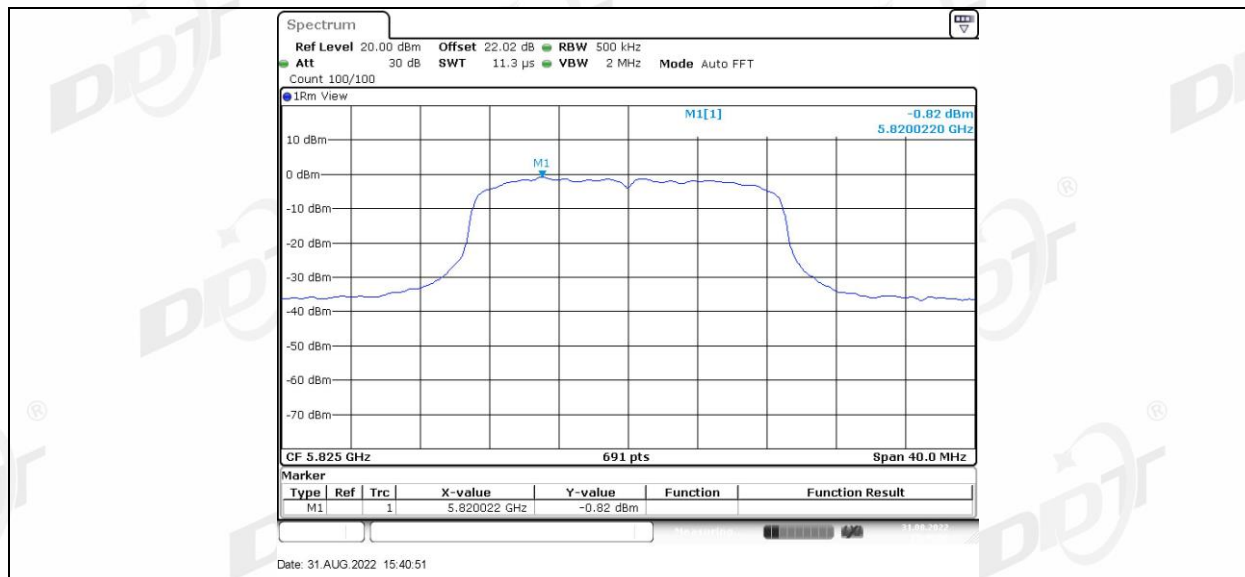
11N20SISO_Ant1_5745



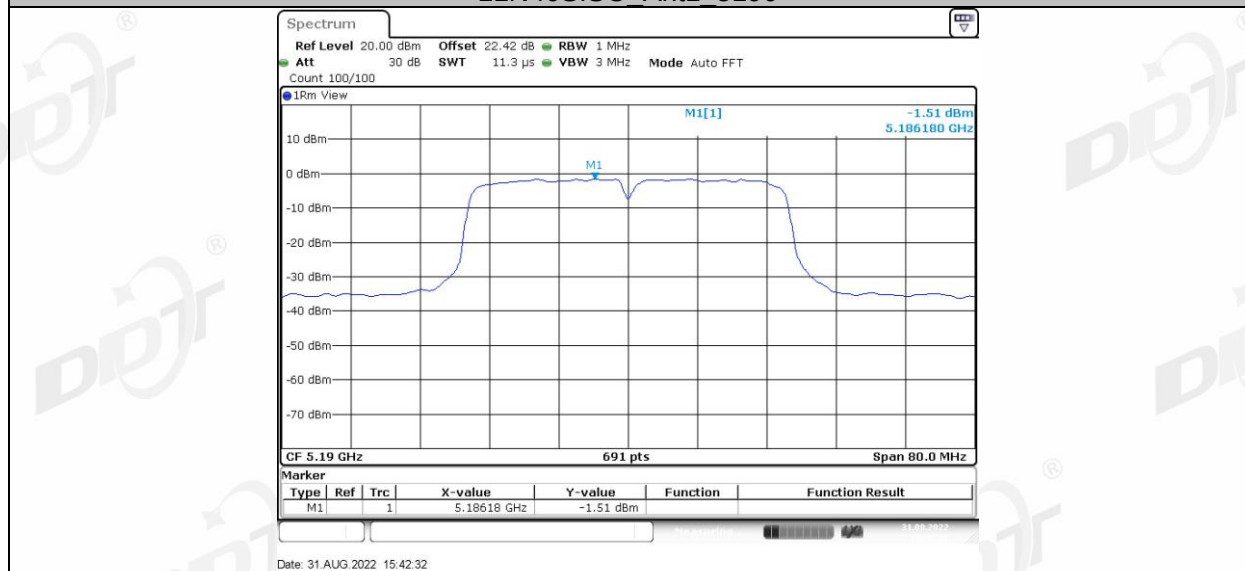
11N20SISO_Ant1_5785



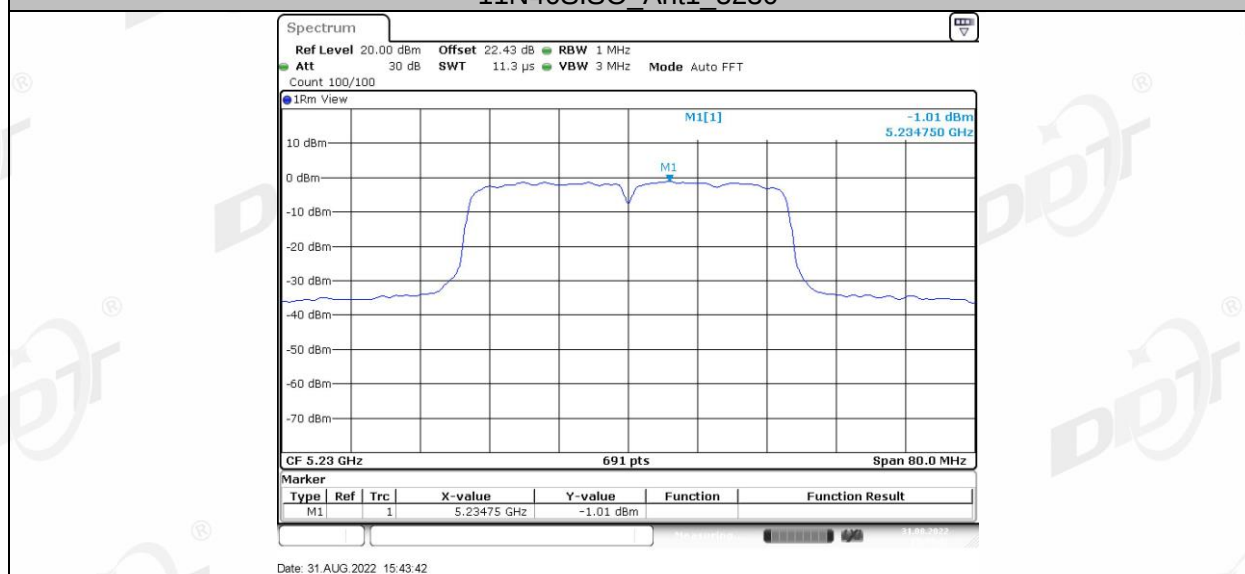
11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270