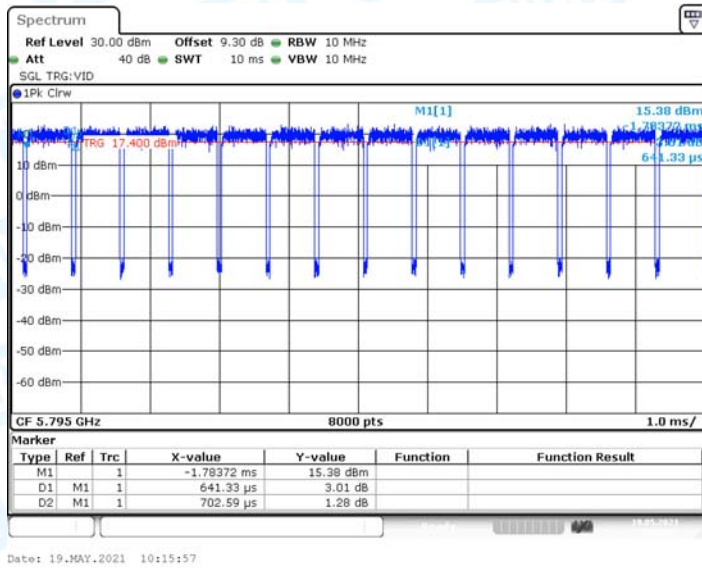
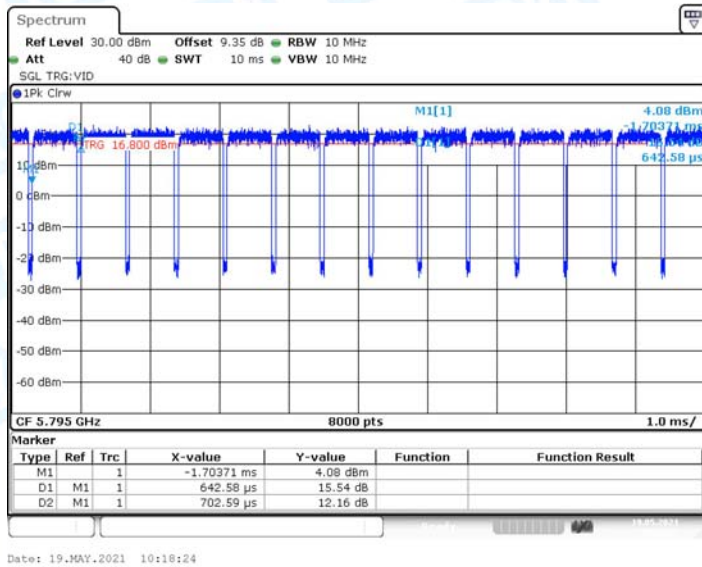


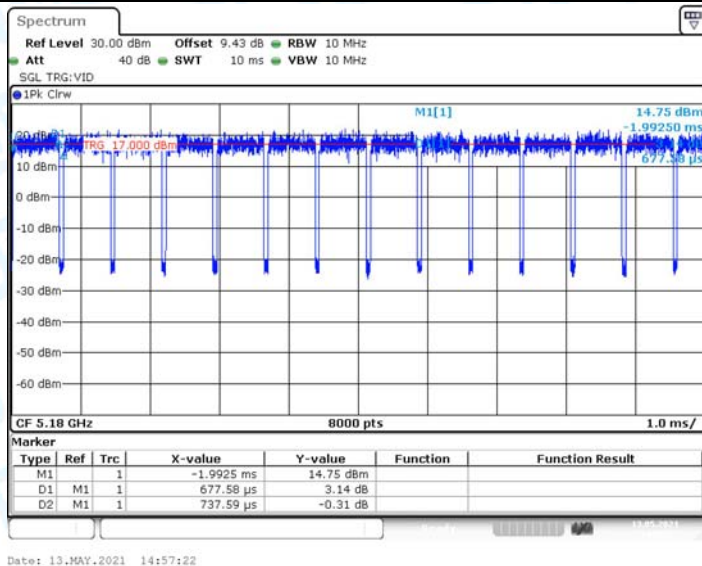
11N40MIMO_Ant3_5795



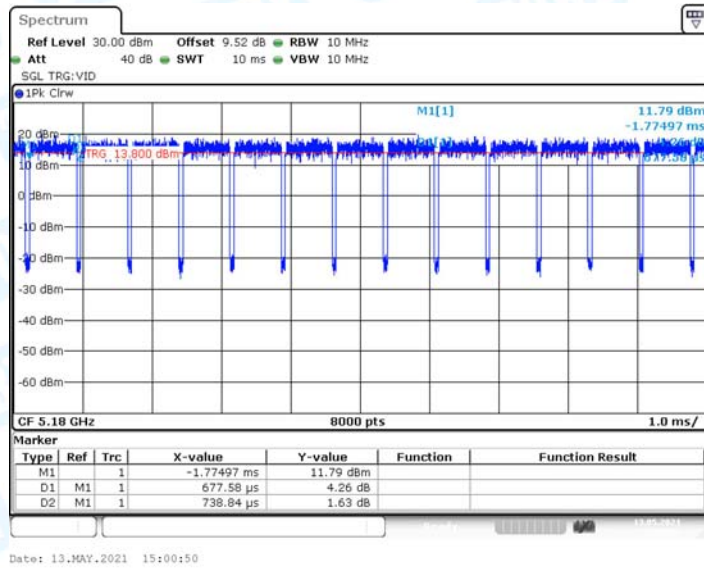
11N40MIMO_Ant4_5795



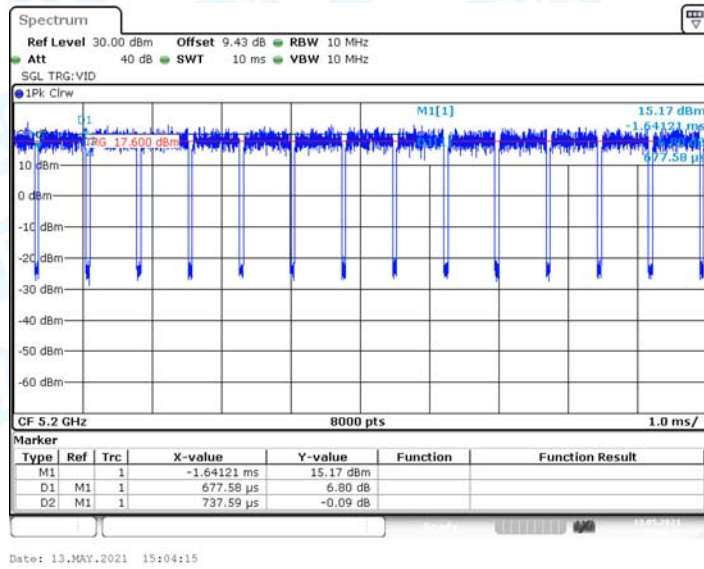
11AC20MIMO_Ant3_5180



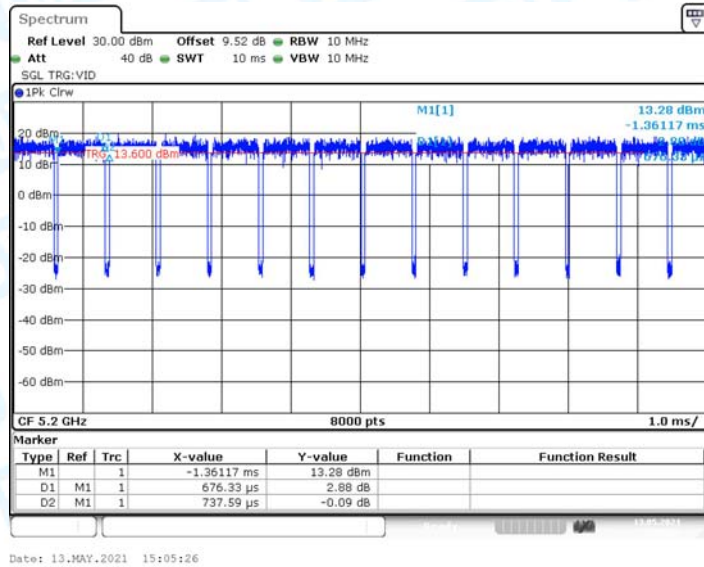
11AC20MIMO_Ant4_5180



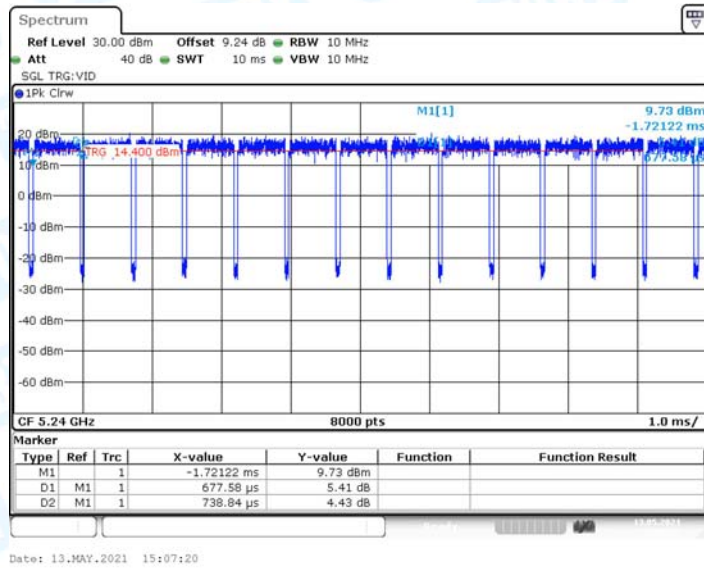
11AC20MIMO_Ant3_5200



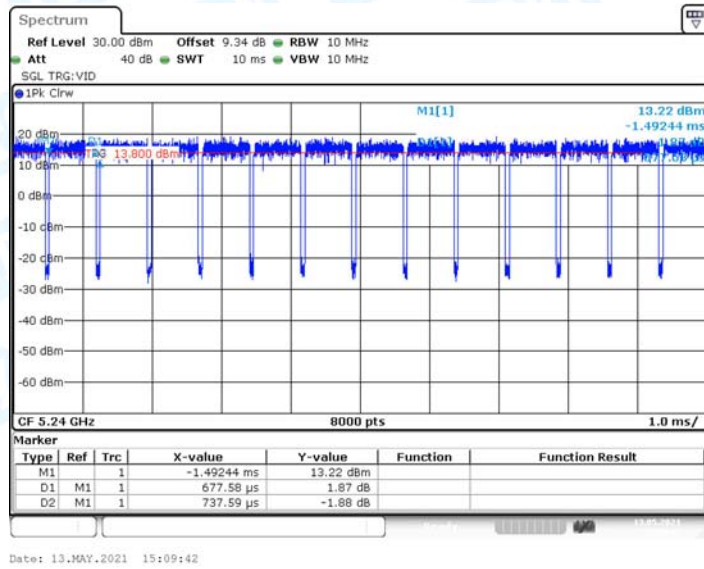
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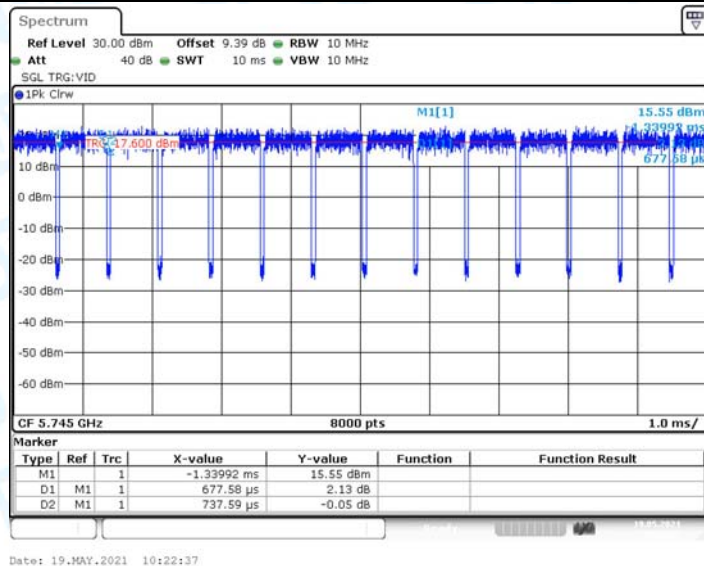
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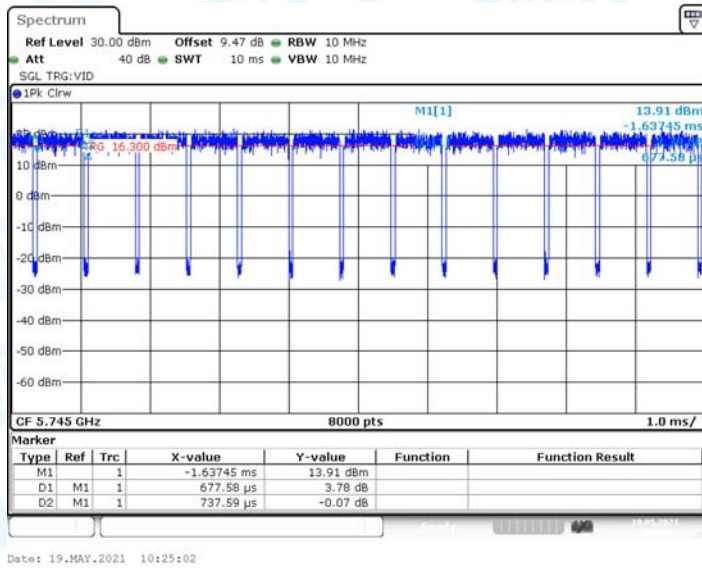
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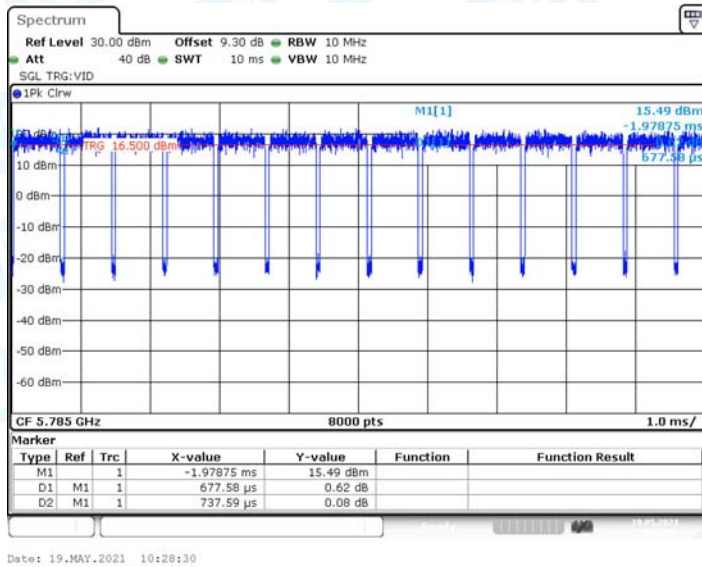
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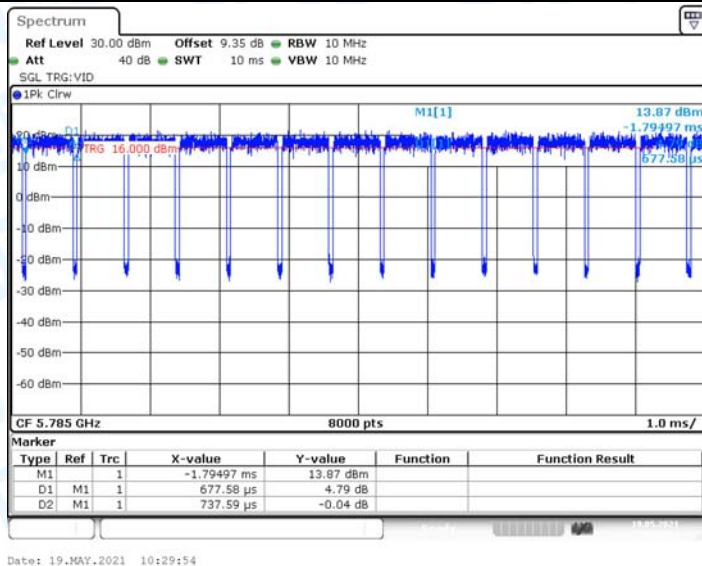
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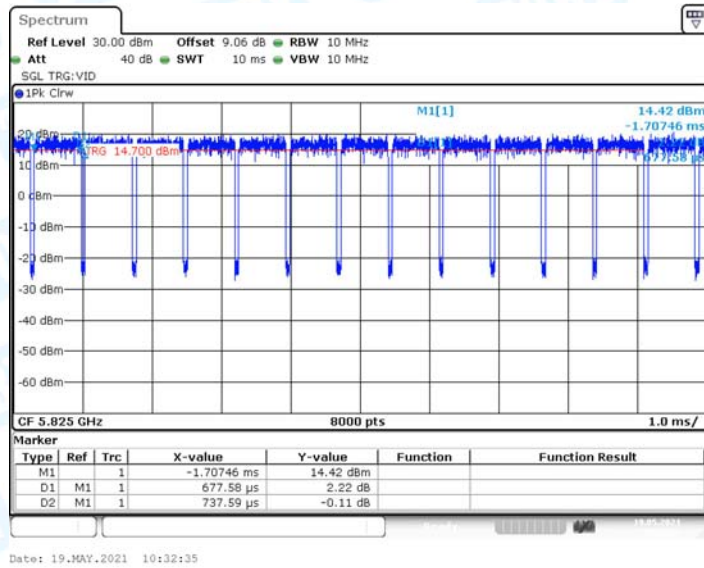
11AC20MIMO_Ant3_5785



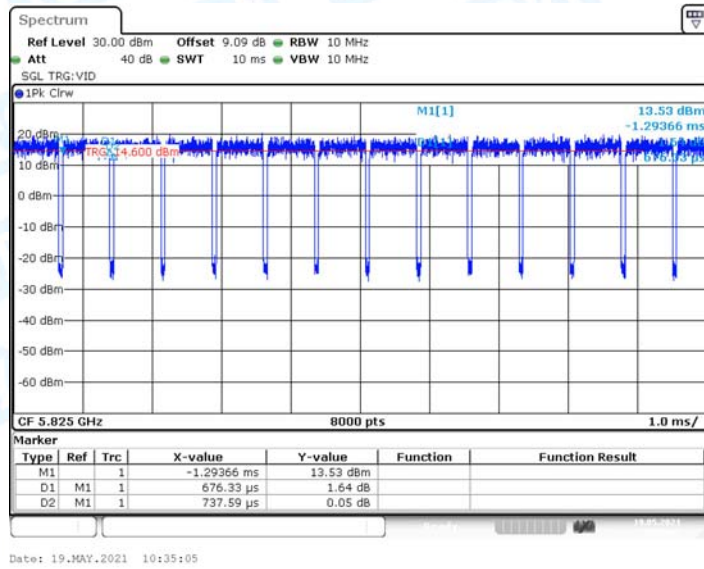
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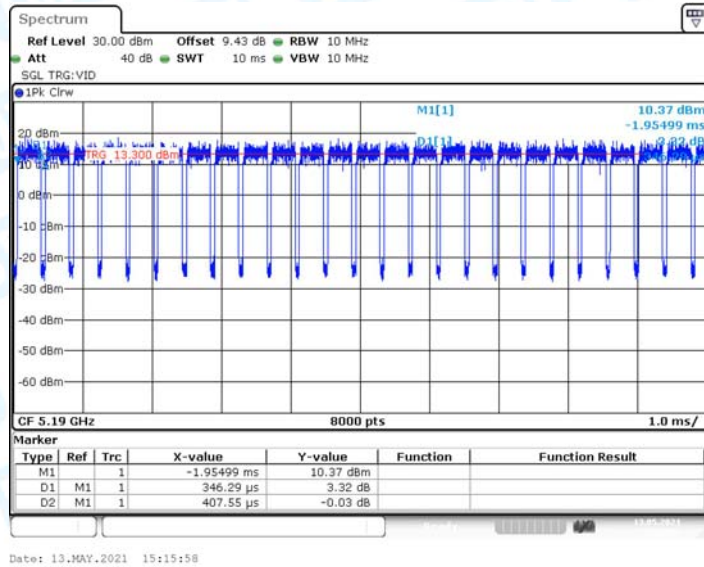
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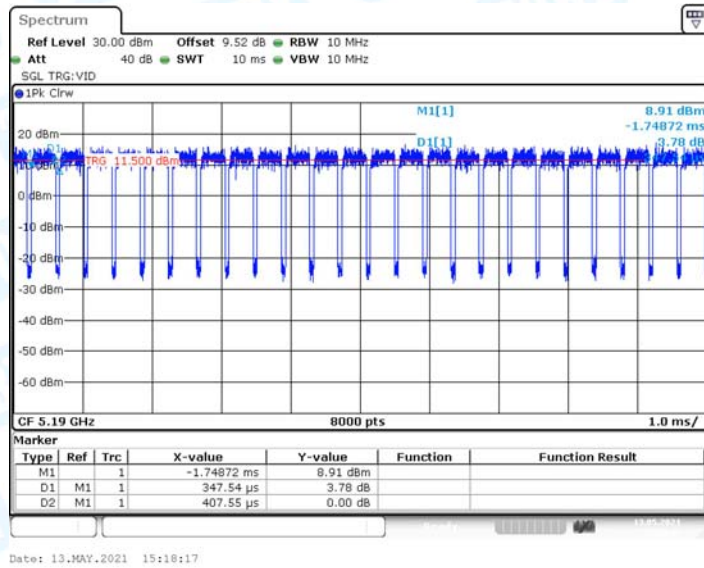
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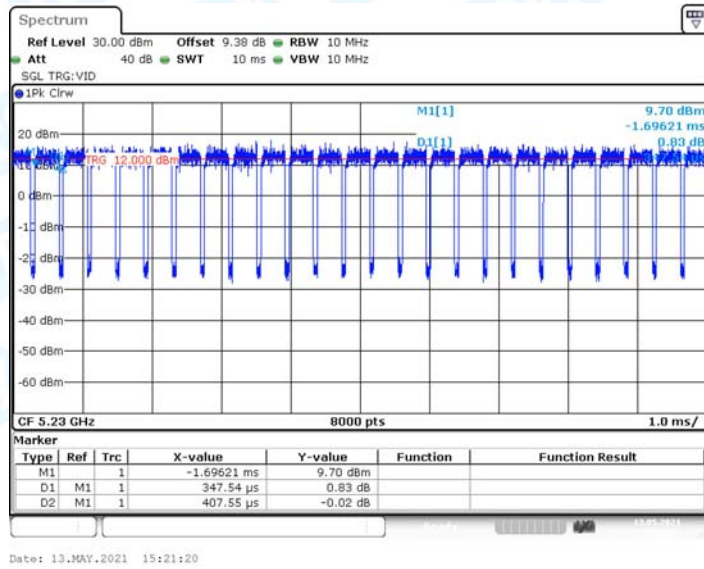
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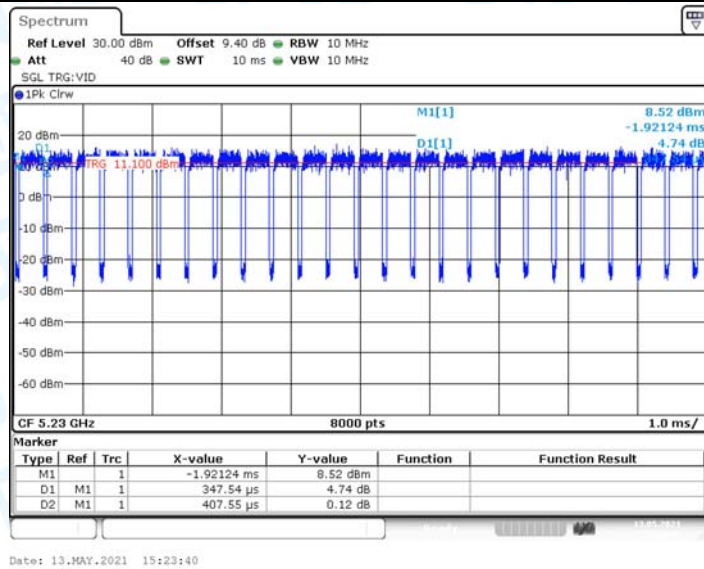
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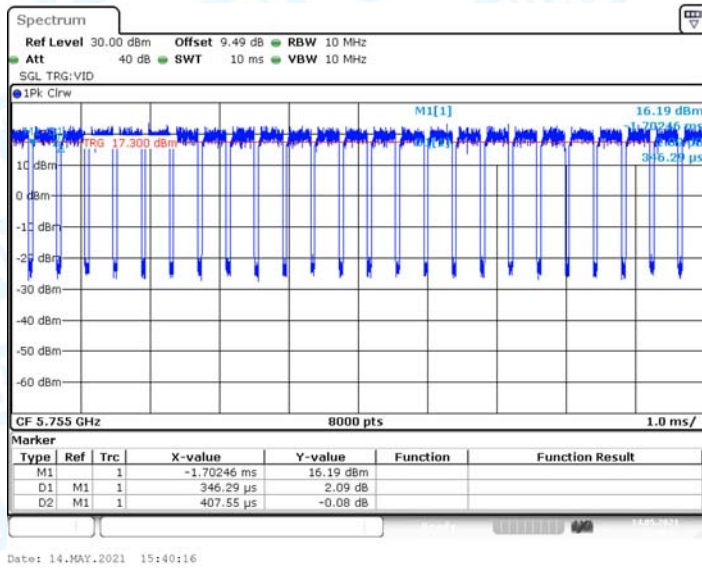
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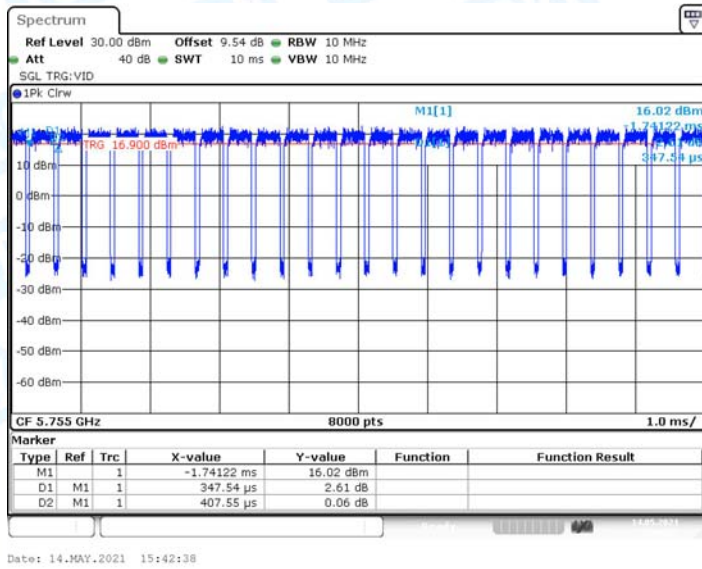
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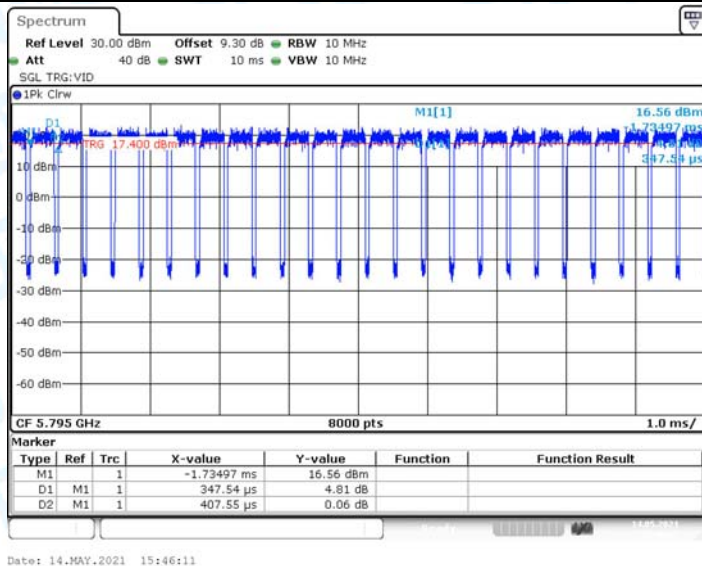
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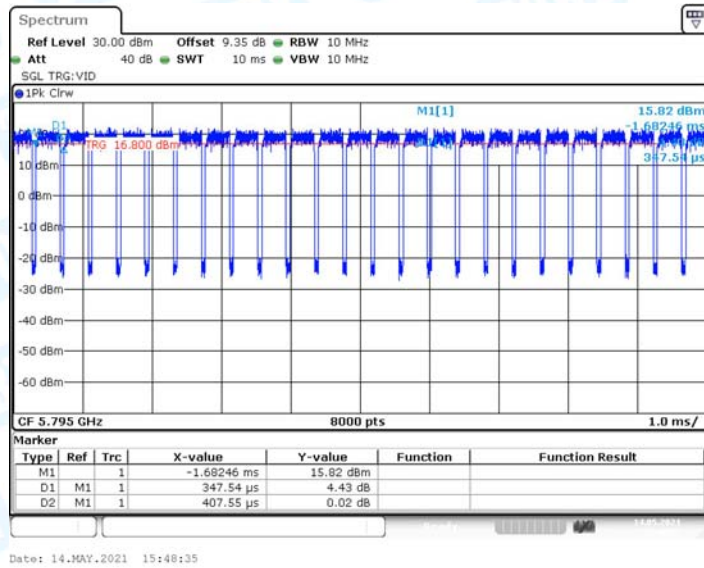
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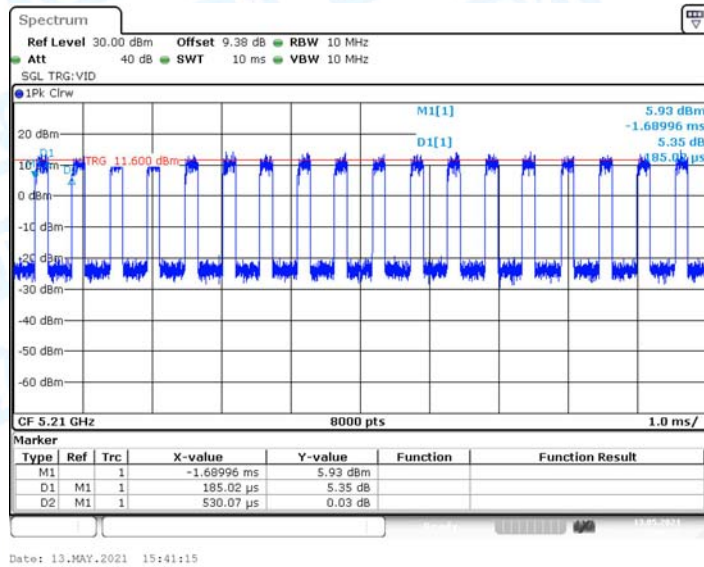
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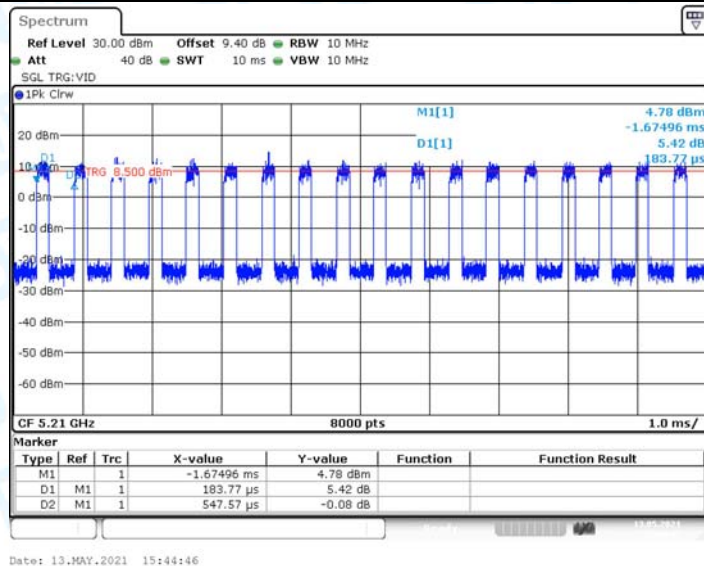
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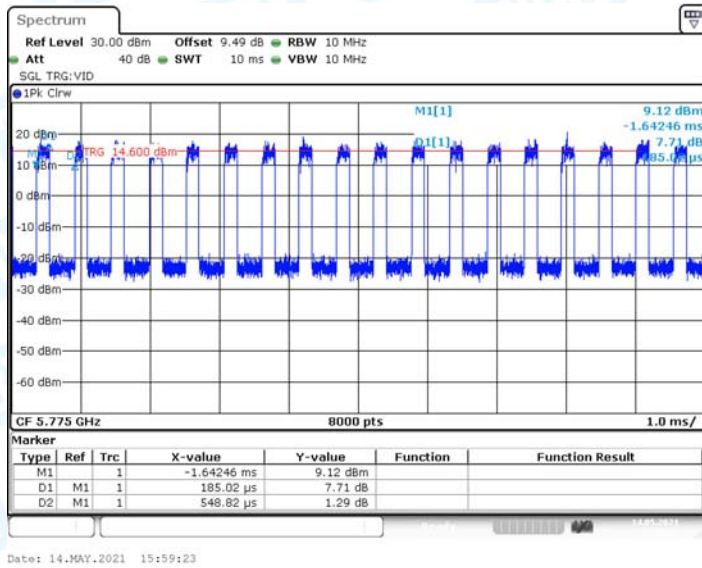
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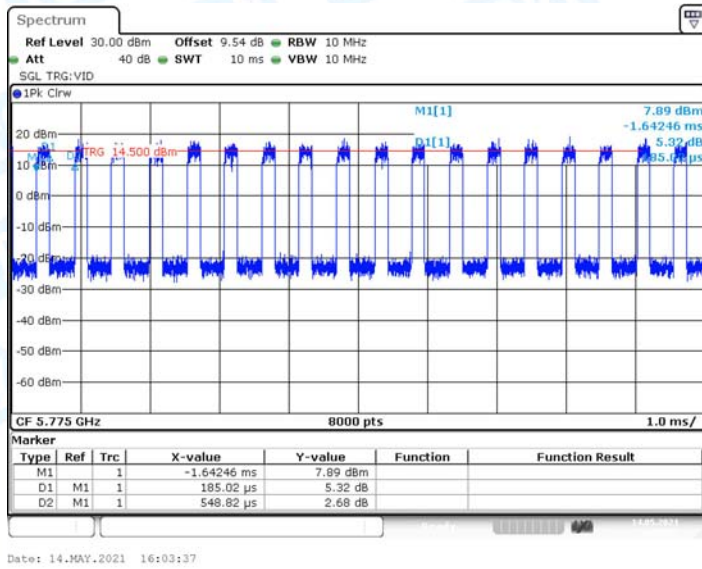
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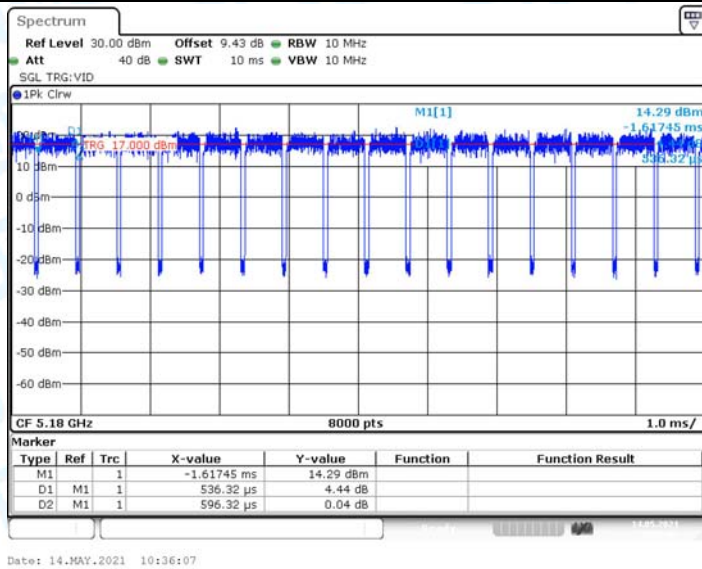
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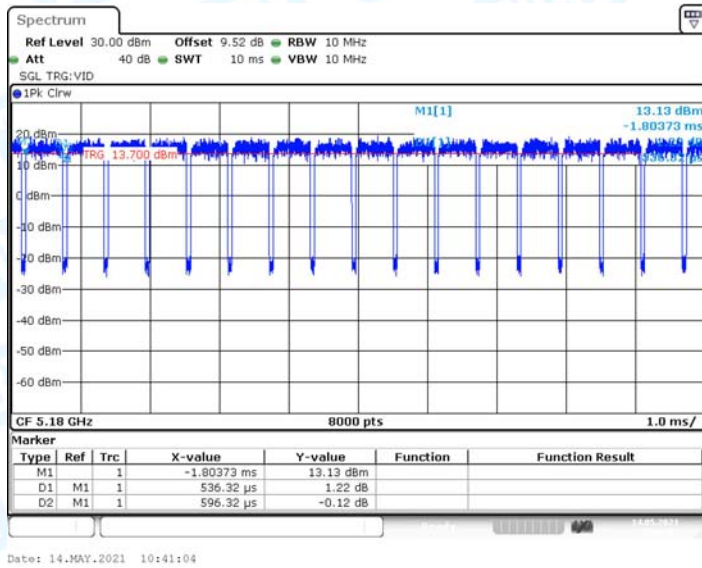
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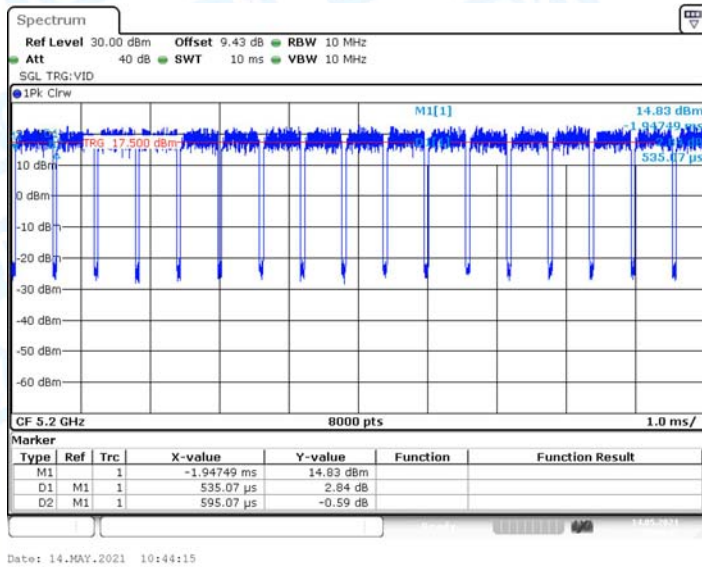
11AX20MIMO_Ant3_5180



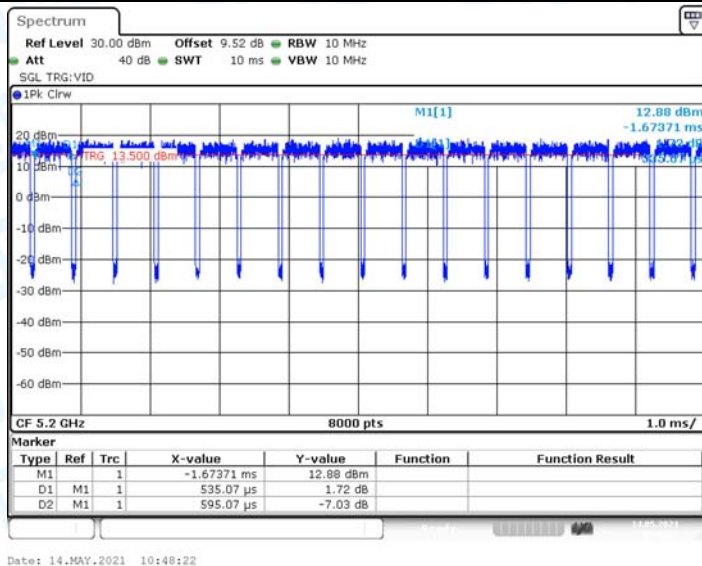
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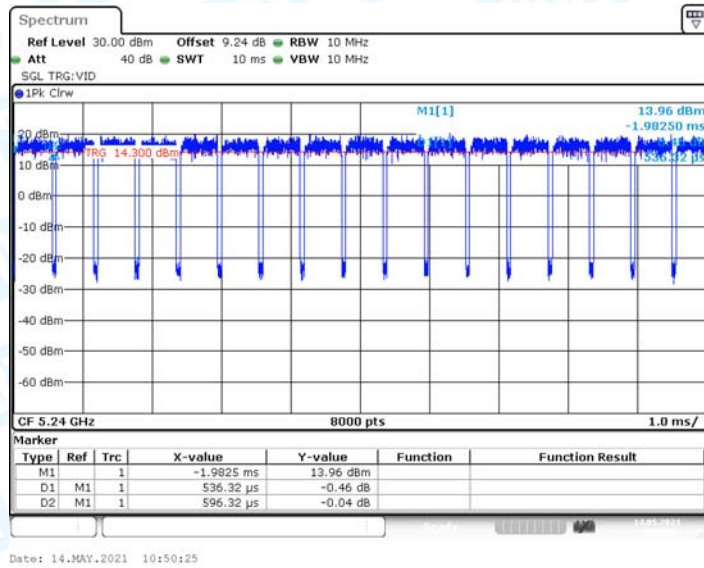
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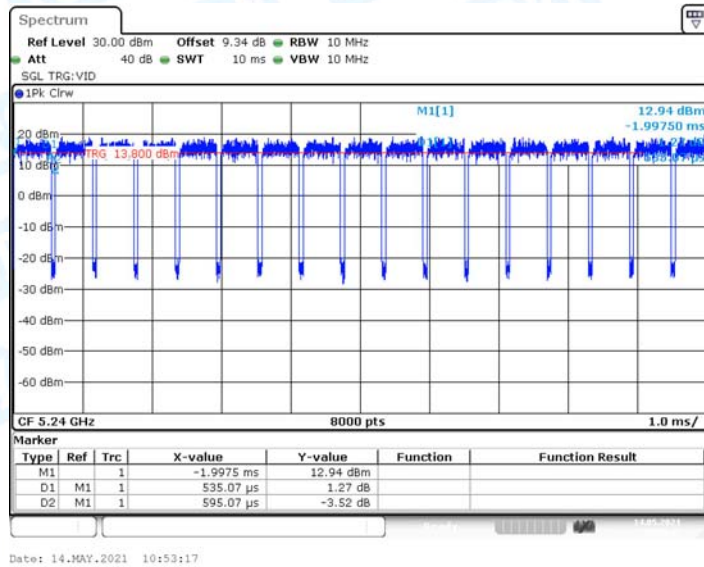
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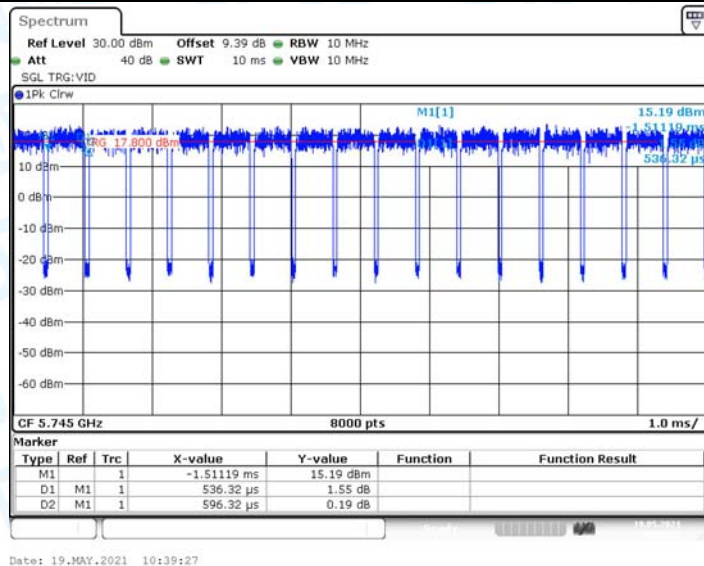
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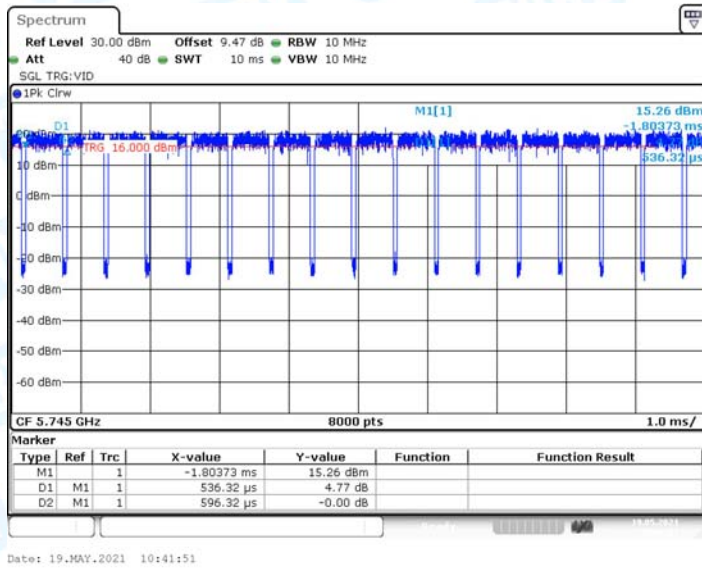
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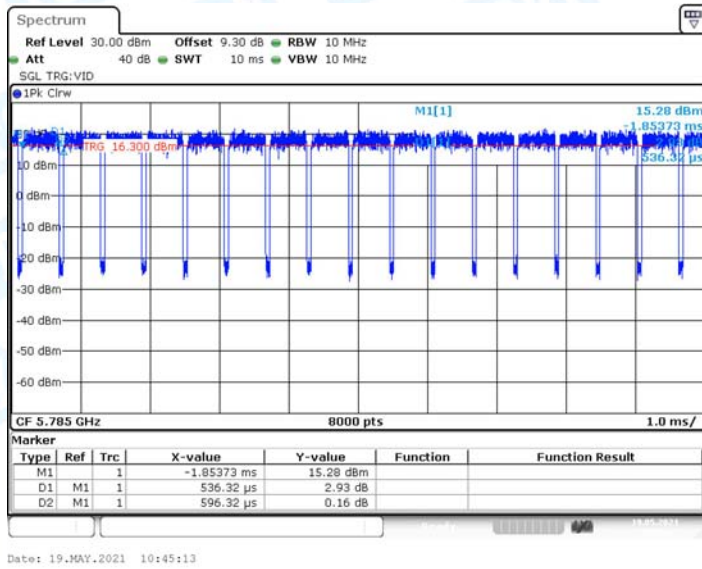
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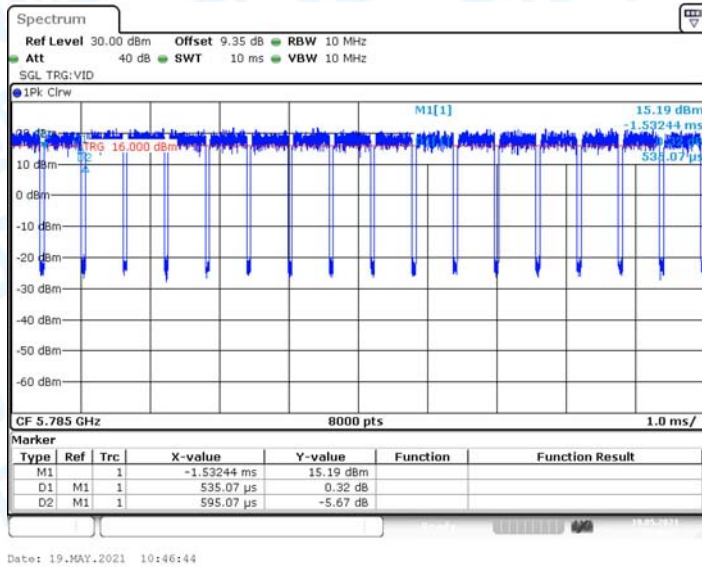
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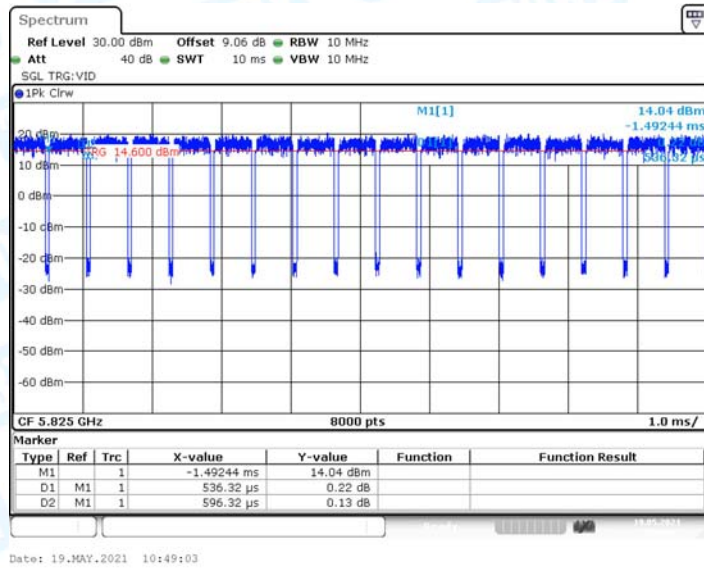
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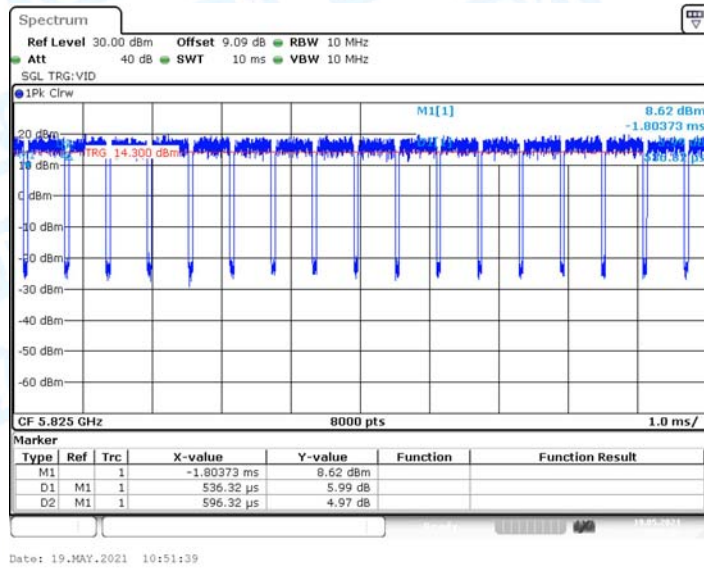
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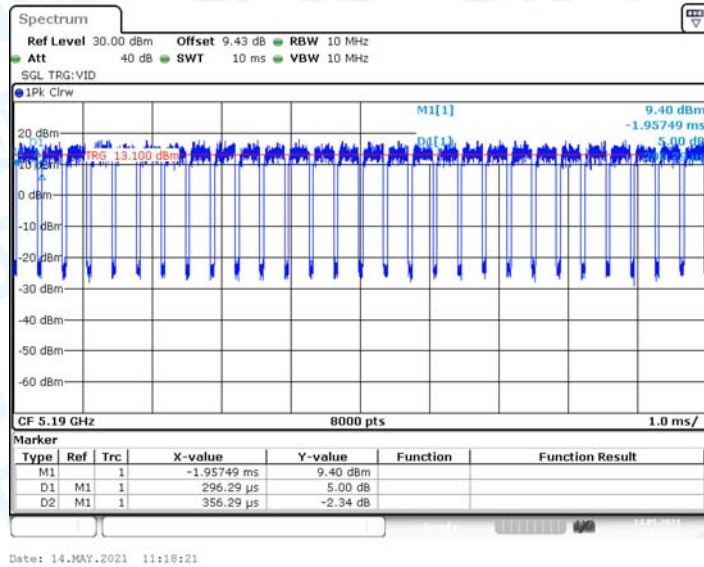
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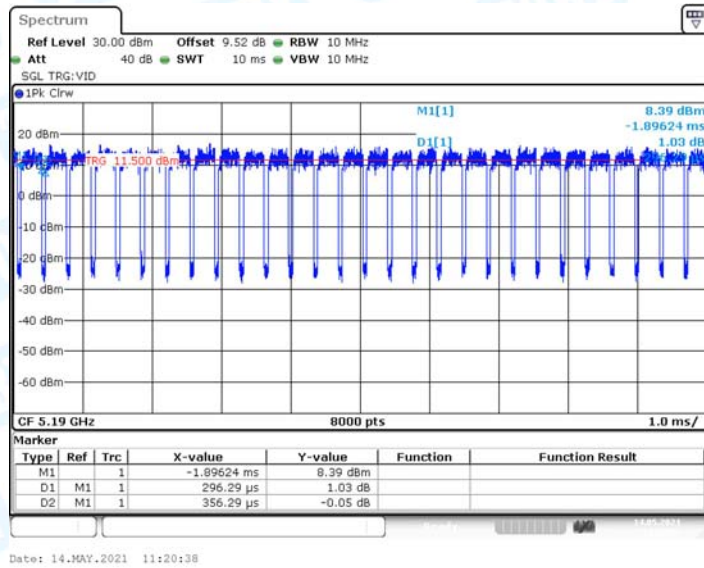
11AX20MIMO_Ant4_5825



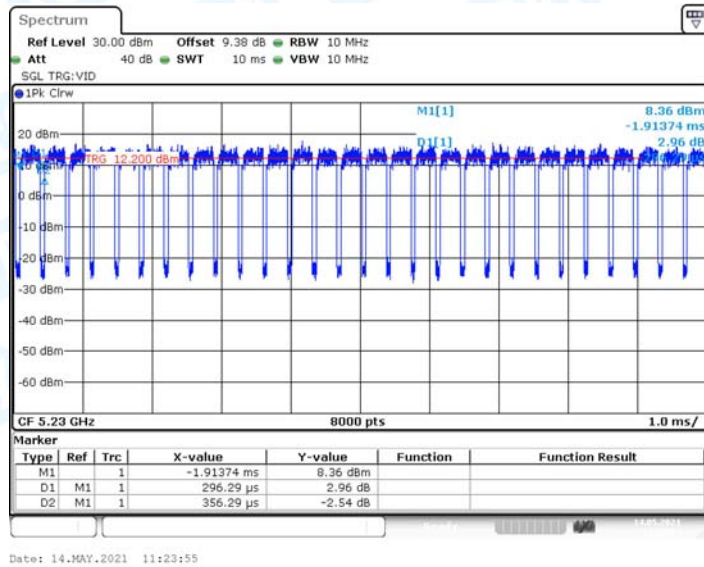
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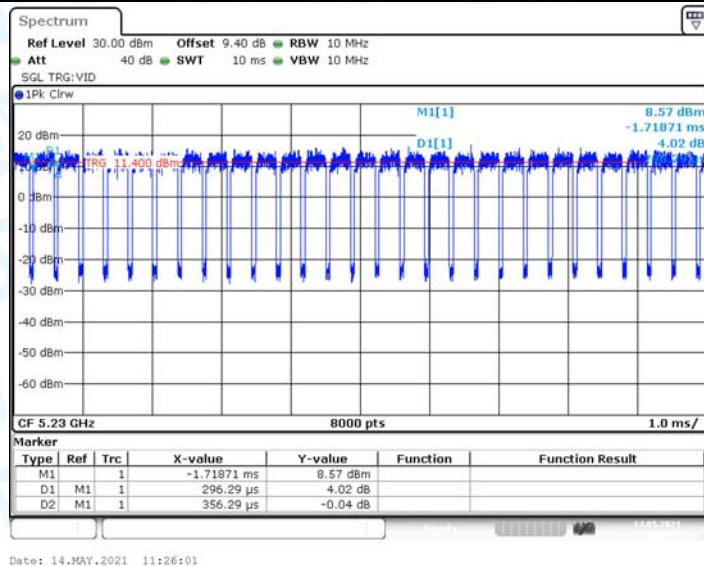
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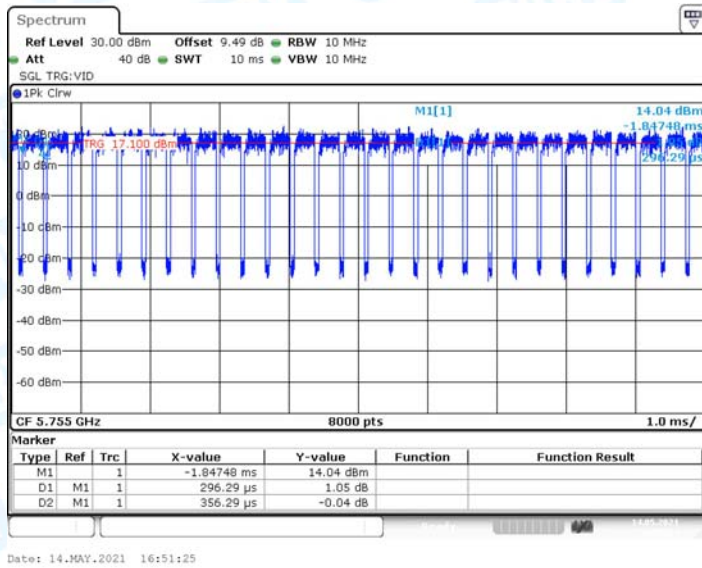
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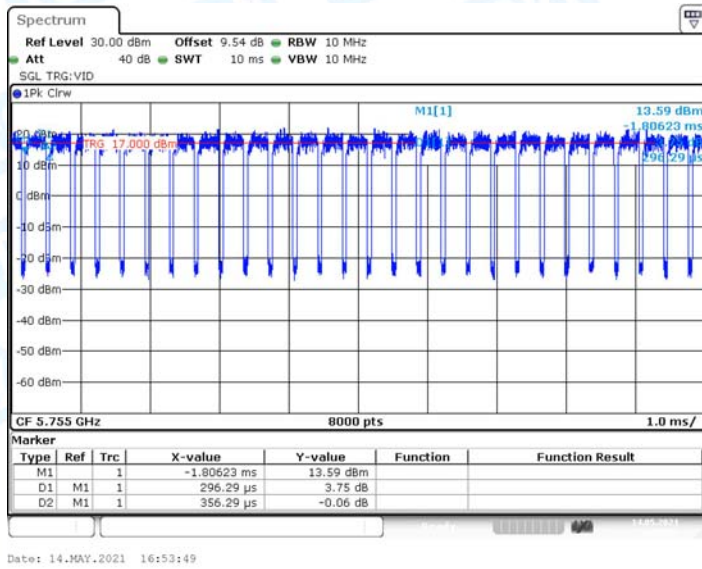
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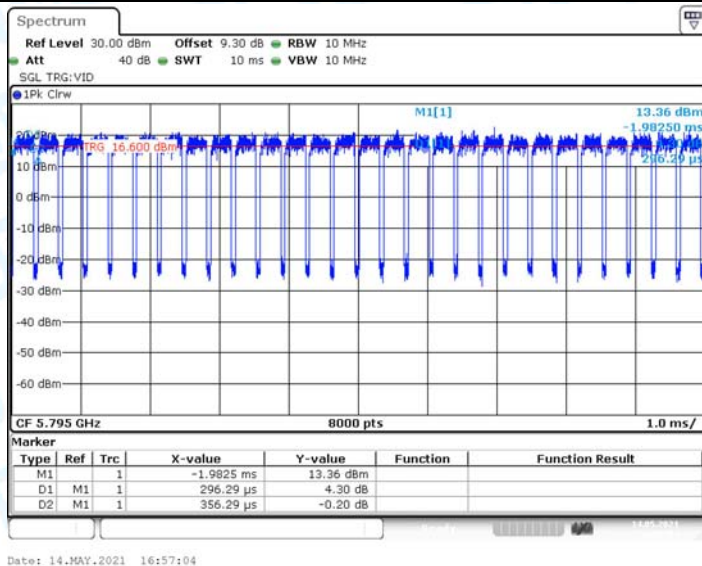
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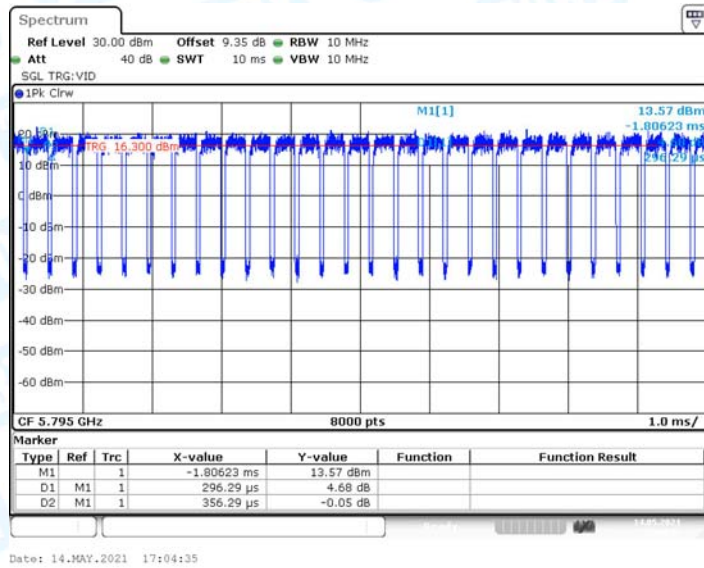
11AX40MIMO_Ant4_5755



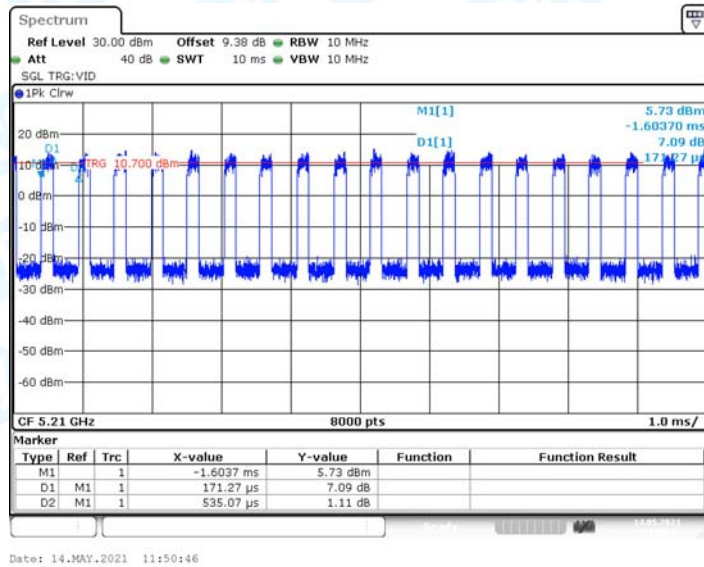
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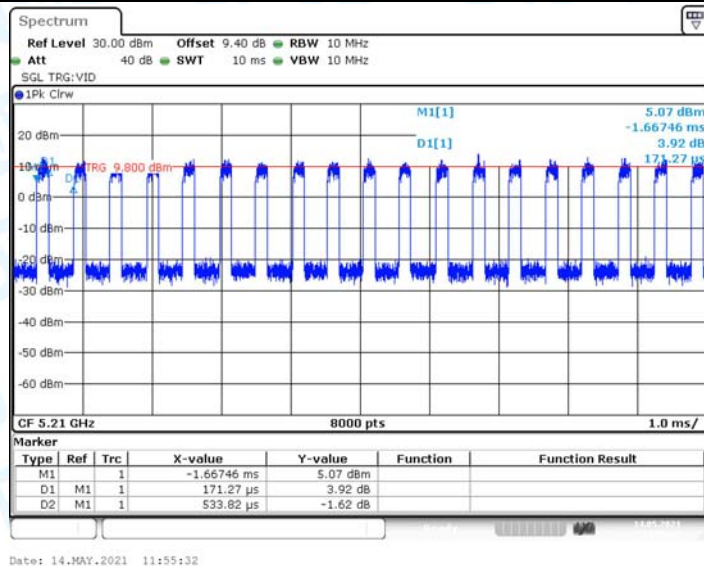
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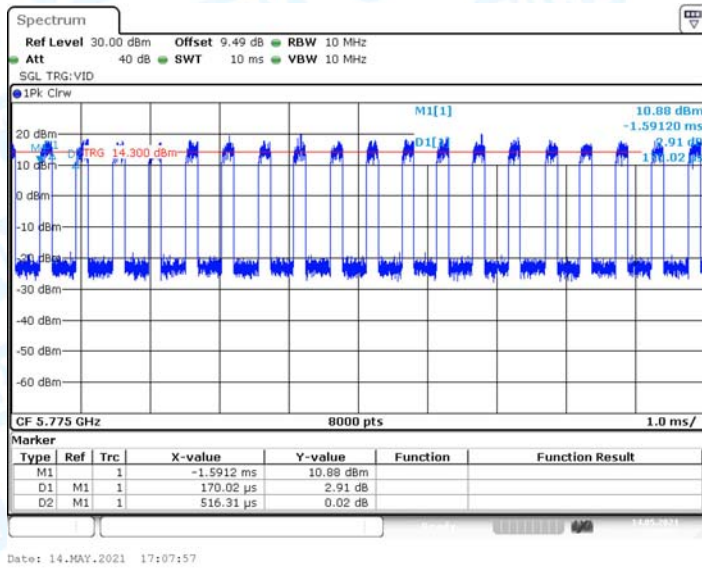
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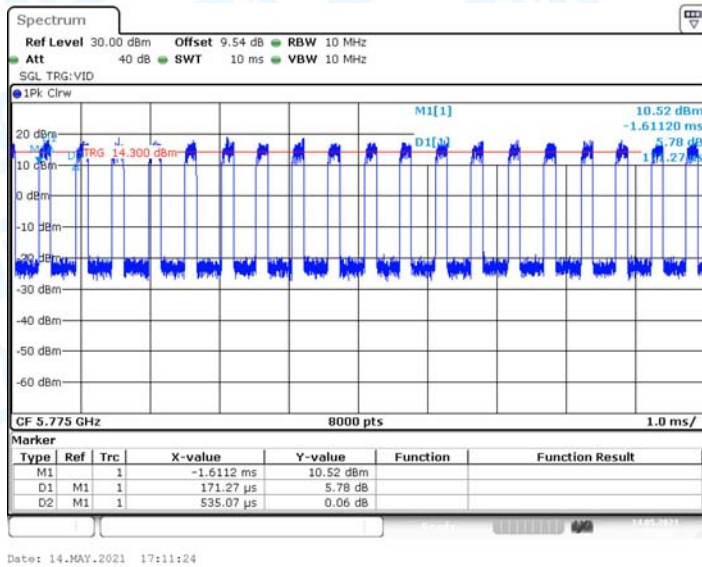
11AX80MIMO_Ant4_5210



11AX80MIMO_Ant3_5775



11AX80MIMO_Ant4_5775



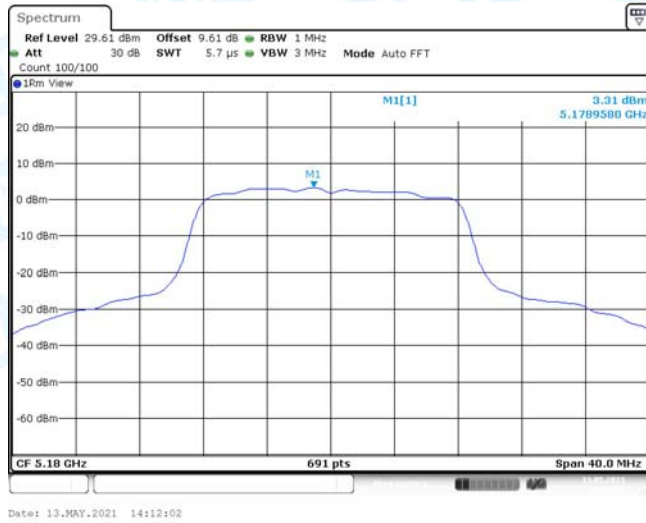
Attachment F-- Power Spectral Density Test Data

Temperature:	25 °C			Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz							
U-NII-1								
Test Mode	Frequency (MHz)	PSD(dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)		Total PSD (dBm/MHz)	Limit (dBm/MHz)
		ANT. 3	ANT. 4		ANT. 3	ANT. 4		
802.11a	5180	3.31	2.15	0.21	3.52	2.36	5.99	14.99
	5200	3.63	1.78	0.21	3.84	1.99	6.02	
	5240	2.84	1.76	0.21	3.05	1.97	5.55	
802.11n (HT20)	5180	1.68	1.18	0.20	1.88	1.38	4.65	
	5200	1.82	-0.07	0.20	2.02	0.13	4.19	
	5240	0.85	0.53	0.20	1.05	0.73	3.90	
802.11n (HT40)	5190	-0.56	-1.65	0.37	-0.19	-1.28	2.31	
	5230	-1.44	-2.14	0.37	-1.07	-1.77	1.60	
802.11ac (VHT20)	5180	3.14	1.83	0.37	3.51	2.20	5.91	
	5200	3.42	1.13	0.46	3.88	1.59	5.89	
	5240	2.32	1.26	0.46	2.78	1.72	5.29	
802.11 ac(VHT40)	5190	-0.40	-1.30	0.46	0.06	-0.84	2.64	
	5230	-0.97	-1.63	0.39	-0.58	-1.24	2.11	
802.11 ac(VHT80)	5210	-3.22	-5.02	0.39	-2.83	-4.63	-0.63	
802.11ax(HE20)	5180	2.33	1.18	0.69	3.02	1.87	5.49	
	5200	3.60	1.10	0.69	4.29	1.79	6.23	
	5240	2.18	1.26	0.79	2.97	2.05	5.54	
802.11 ax(HE40)	5190	-0.74	-2.34	0.79	0.05	-1.55	2.33	
	5230	-1.06	-2.55	4.85	3.79	2.30	6.12	
802.11 ax(HE80)	5210	-2.66	-4.65	5.02	2.36	0.37	4.49	
Result: PASS								
<p>Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.</p> <p>When ANT. 3 and ANT. 4 transmitting simultaneously, so the Directional Gain= Gain_{ANT}+10log(N)dBi =8.01dBi>6dBi.</p> <p>So PSD_{out} = PSD_{limit}-(G_{TX}-6)]=(17-2.01)dBm/MHz=14.99dBm/MHz</p>								

Temperature:		25 °C			Relative Humidity:		55%	
Test Voltage:		AC 120V/60Hz						
U-NII-3								
Test Mode	Frequency (MHz)	PSD(dBm/500KHz)		Duty Factor (dB)	Total PSD (dBm/500KHz)		Total PSD (dBm/500KHz)	Limit (dBm/500KHz)
		ANT. 3	ANT. 4		ANT. 3	ANT. 4		
802.11a	5745	0.74	0.83	0.21	0.95	1.04	4.01	27.99
	5785	1.12	1.10	0.21	1.33	1.31	4.33	
	5825	-0.17	-0.84	0.21	0.04	-0.63	2.73	
802.11n (HT20)	5745	1.13	0.80	0.20	1.33	1.00	4.18	
	5785	0.83	0.97	0.20	1.03	1.17	4.11	
	5825	-0.65	-1.25	0.20	-0.45	-1.05	2.27	
802.11n (HT40)	5755	-0.56	-1.65	0.37	-0.19	-1.28	2.31	
	5795	-1.44	-2.14	0.37	-1.07	-1.77	1.60	
802.11ac (VHT20)	5745	0.84	0.91	0.37	1.21	1.28	4.26	
	5785	1.17	1.34	0.46	1.63	1.80	4.73	
	5825	-0.09	-1.09	0.46	0.37	-0.63	2.91	
802.11ac(VHT40)	5755	2.36	1.95	0.46	2.82	2.41	5.63	
	5795	2.98	1.82	0.39	3.37	2.21	5.84	
802.11ac(VHT80)	5775	-2.49	-3.43	0.39	-2.10	-3.04	0.47	
802.11ax(HE20)	5745	1.15	0.83	0.69	1.84	1.52	4.69	
	5785	0.84	0.70	0.69	1.53	1.39	4.47	
	5825	-0.70	-1.05	0.79	0.09	-0.26	2.93	
802.11ax(HE40)	5755	0.00	0.28	0.79	0.79	1.07	3.94	
	5795	0.79	-0.01	4.85	5.64	4.84	8.27	
802.11ax(HE80)	5775	-1.03	-1.13	5.02	3.99	3.89	6.95	
Result: PASS								
<p>Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.</p> <p>When ANT. 3 and ANT. 4 transmitting simultaneously, so the</p> <p>Directional Gain= Gain_{ANT}+10log(N)dBi =8.01dBi > 6dBi.</p> <p>So PSD_{out} = PSD_{limit}-(G_{TX}-6)]=(30-2.01)dBm/500KHz=27.99dBm/500KHz</p>								

Test Graphs

11A-MIMO_Ant3_5180



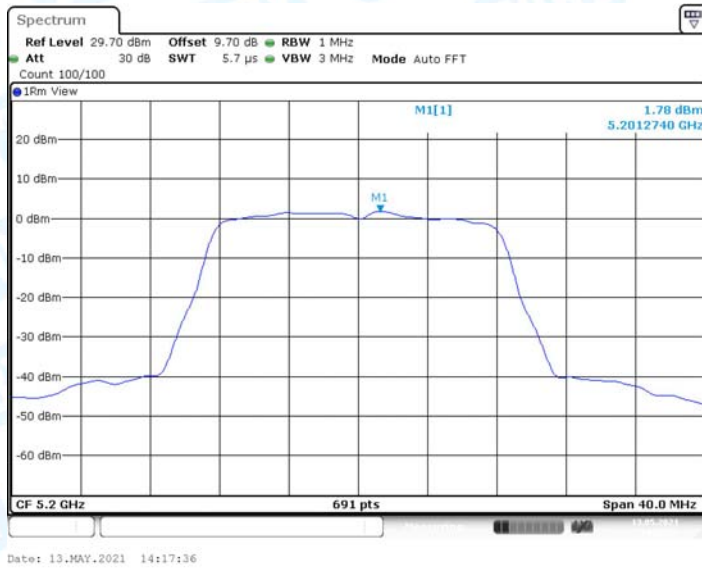
11A-MIMO_Ant4_5180



11A-MIMO_Ant3_5200



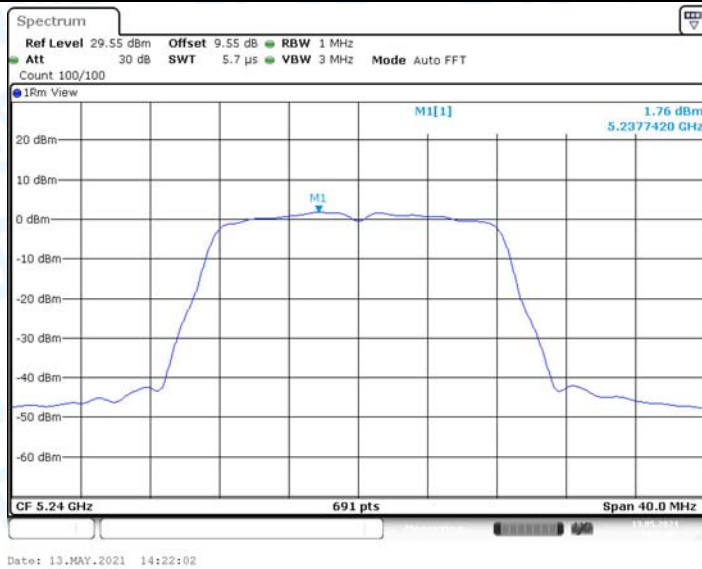
11A-MIMO_Ant4_5200



11A-MIMO_Ant3_5240



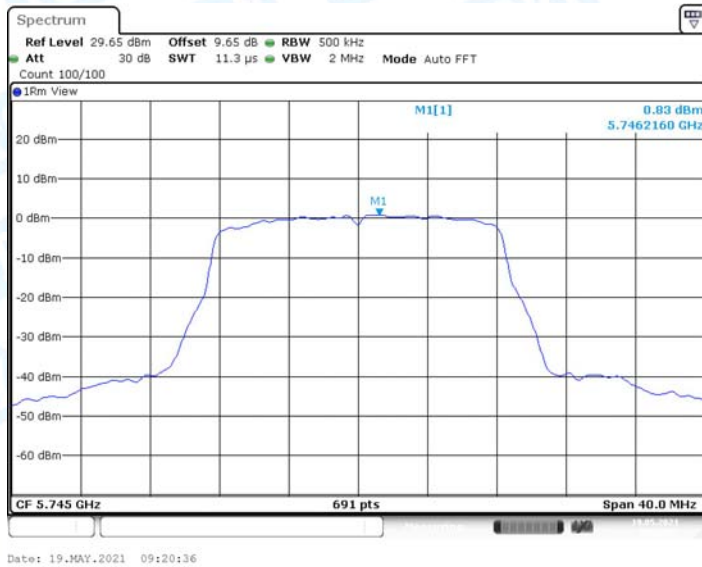
11A-MIMO_Ant4_5240



11A-MIMO_Ant3_5745



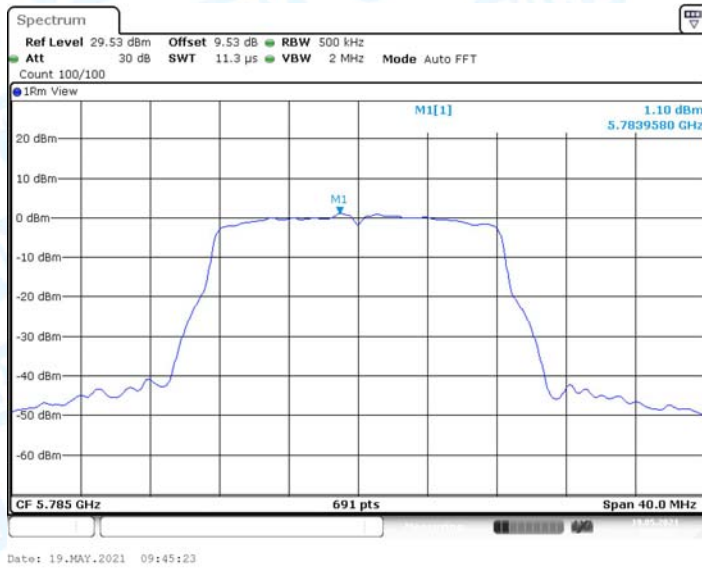
11A-MIMO_Ant4_5745



11A-MIMO_Ant3_5785



11A-MIMO_Ant4_5785



11A-MIMO_Ant3_5825



11A-MIMO_Ant4_5825



11N20MIMO_Ant3_5180



11N20MIMO_Ant4_5180



11N20MIMO_Ant3_5200



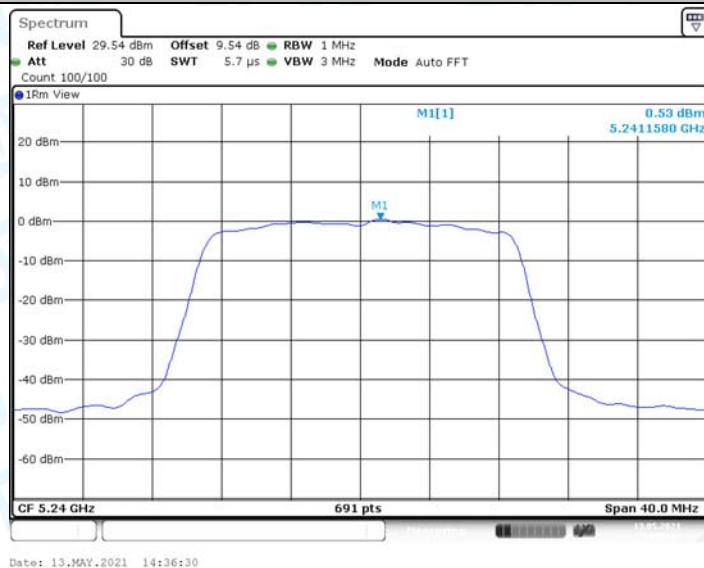
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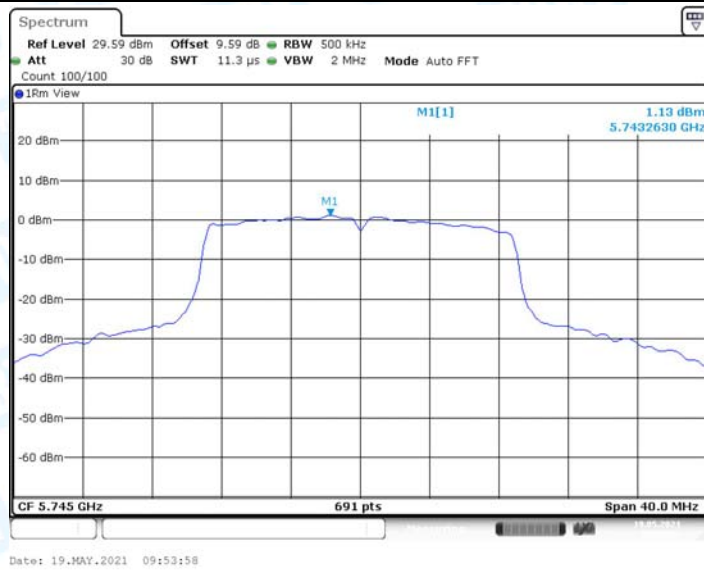
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11N20MIMO_Ant4_5240



11N20MIMO_Ant3_5745



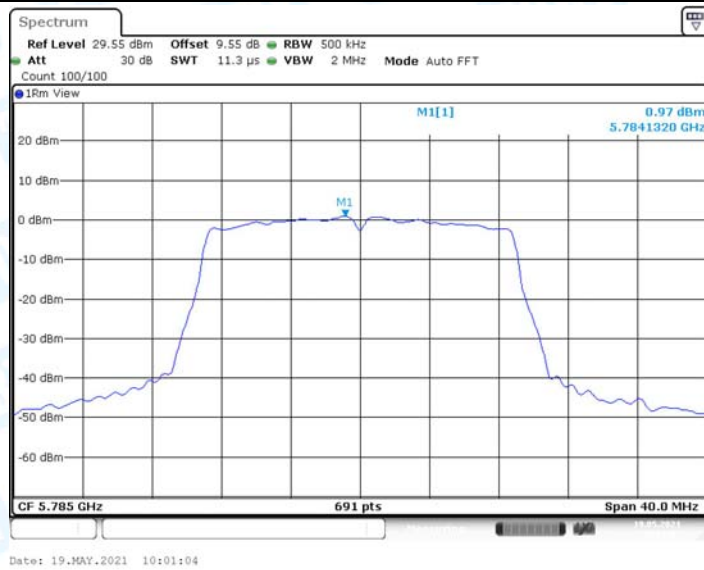
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11N20MIMO_Ant3_5785



11N20MIMO_Ant4_5785



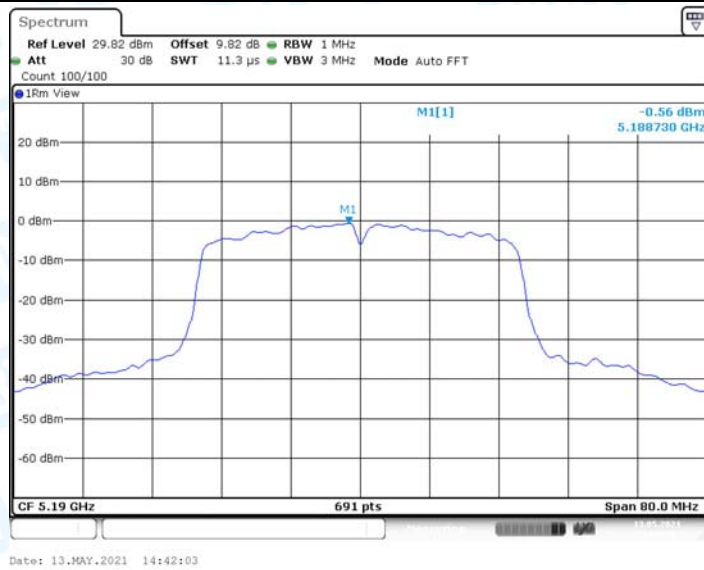
11N20MIMO_Ant3_5825



11N20MIMO_Ant4_5825



11N40MIMO_Ant3_5190



11N40MIMO_Ant4_5190



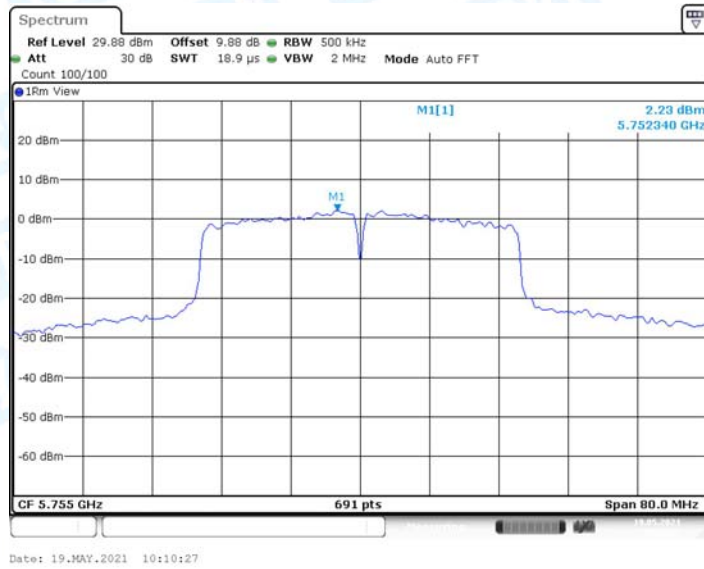
11N40MIMO_Ant3_5230



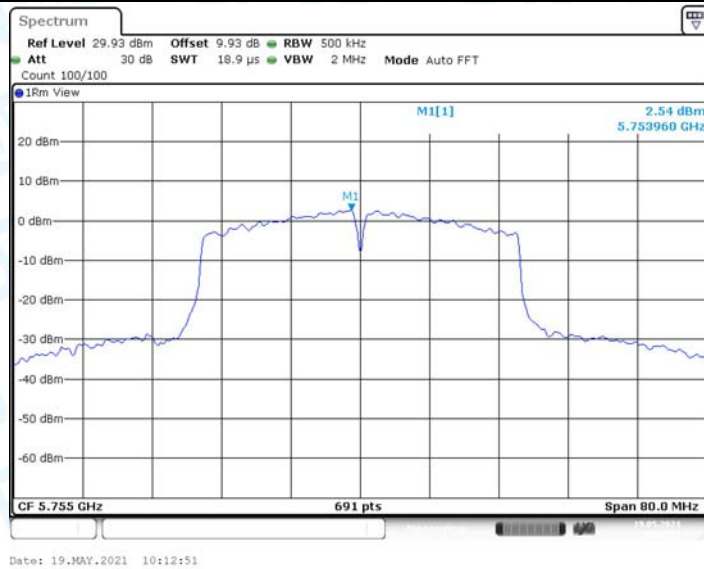
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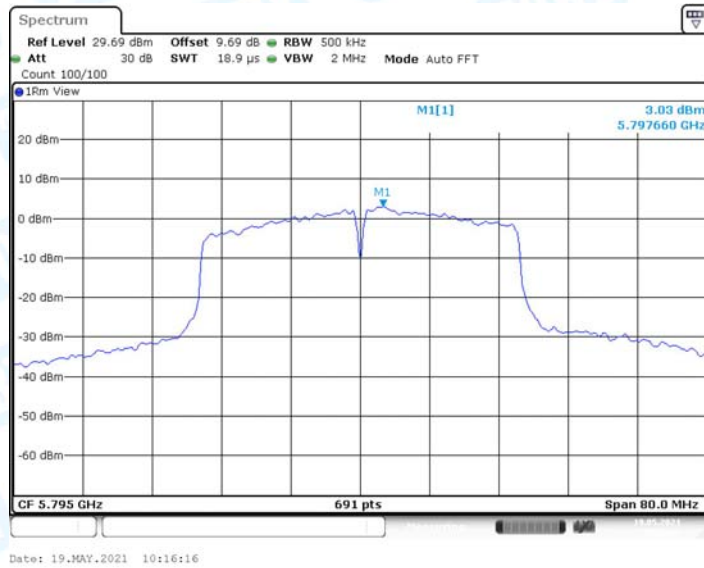
11N40MIMO_Ant3_5755



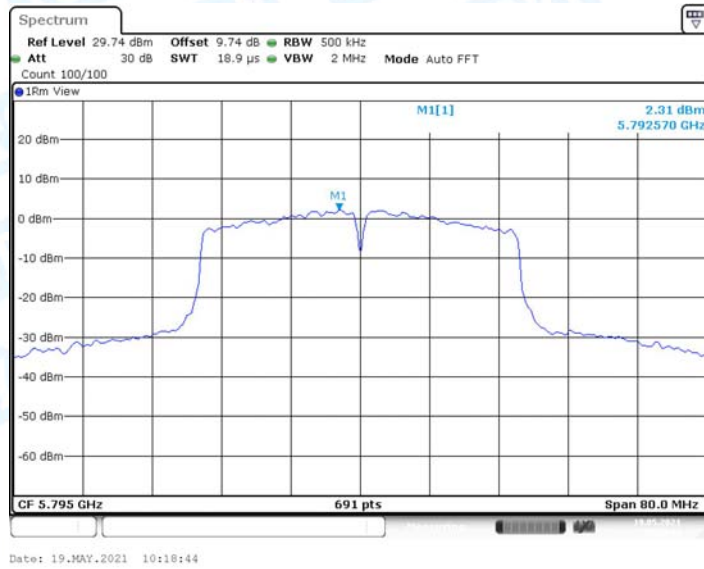
11N40MIMO_Ant4_5755



11N40MIMO_Ant3_5795



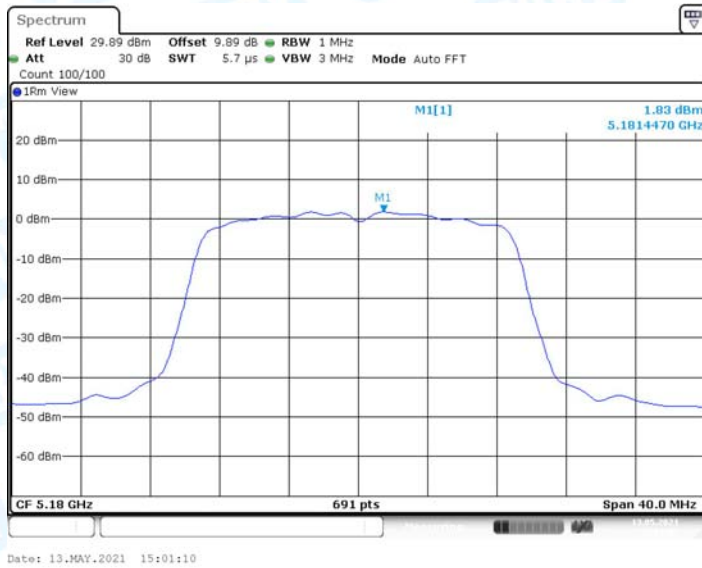
11N40MIMO_Ant4_5795



11AC20MIMO_Ant3_5180



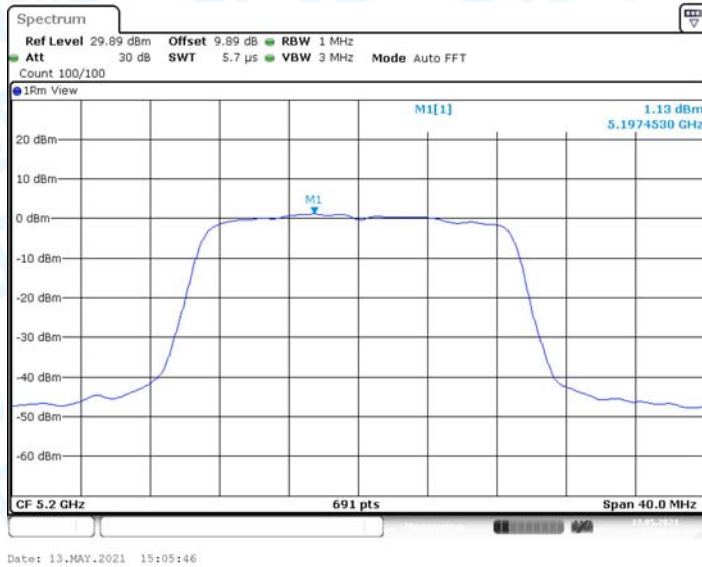
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11AC20MIMO_Ant3_5200



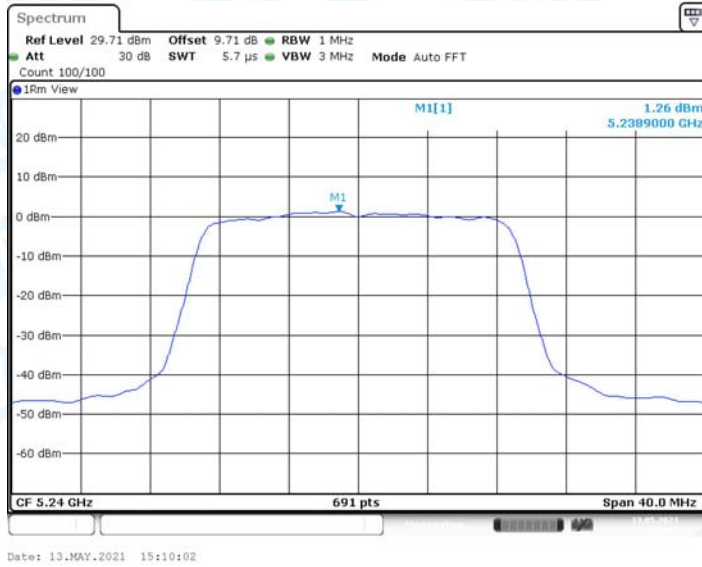
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11AC20MIMO_Ant3_5240



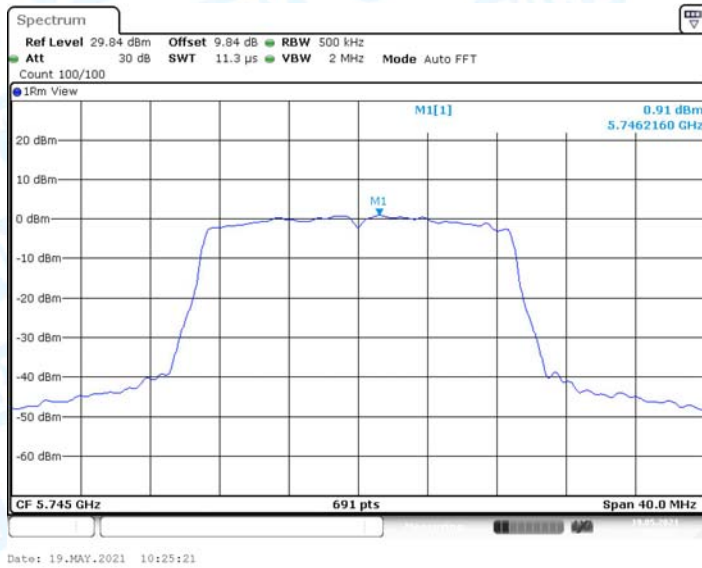
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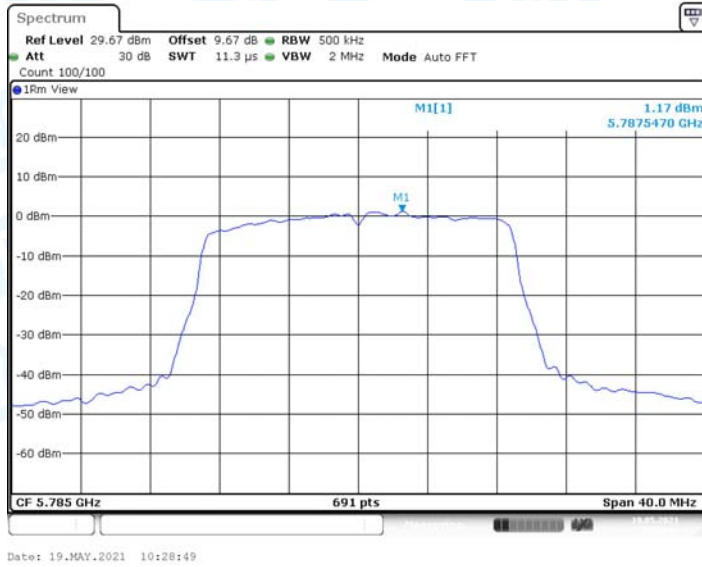
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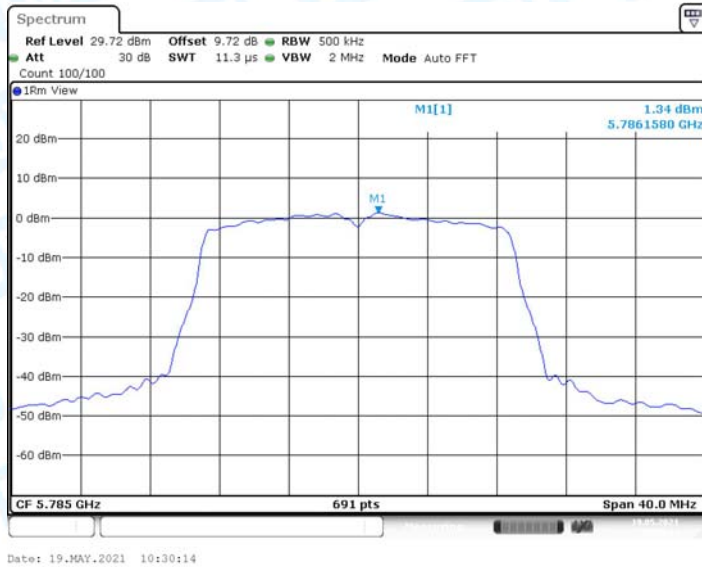
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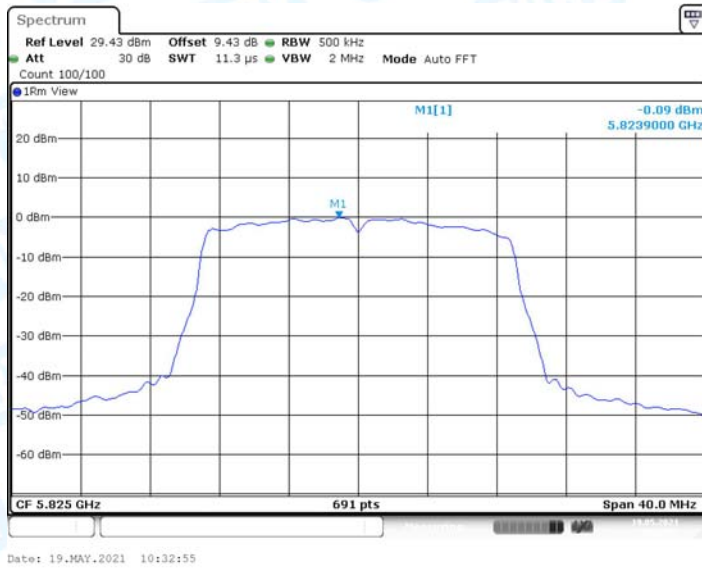
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11AC20MIMO_Ant4_5785



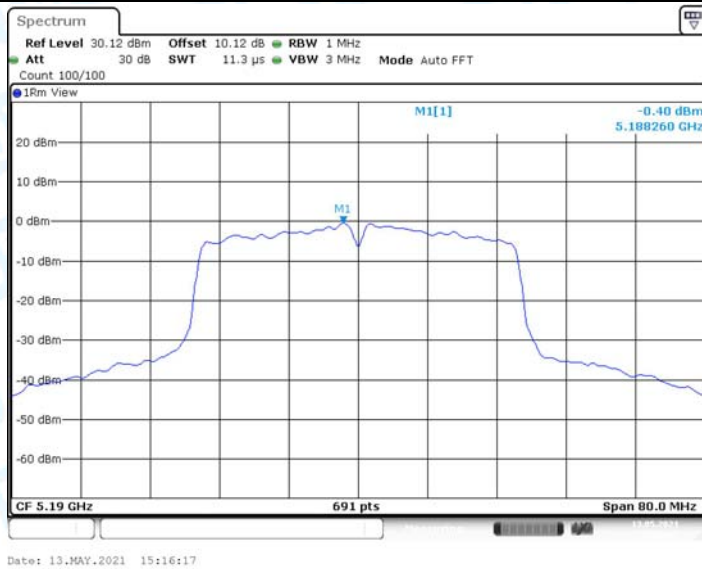
11AC20MIMO_Ant3_5825



11AC20MIMO_Ant4_5825



11AC40MIMO_Ant3_5190



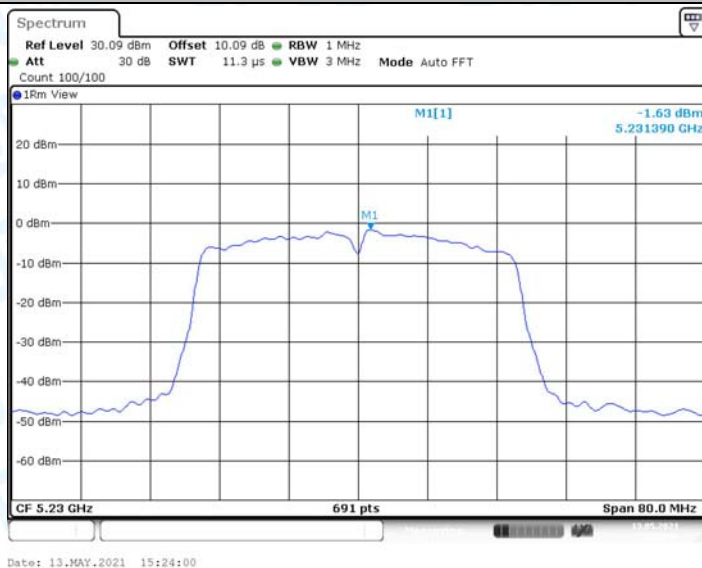
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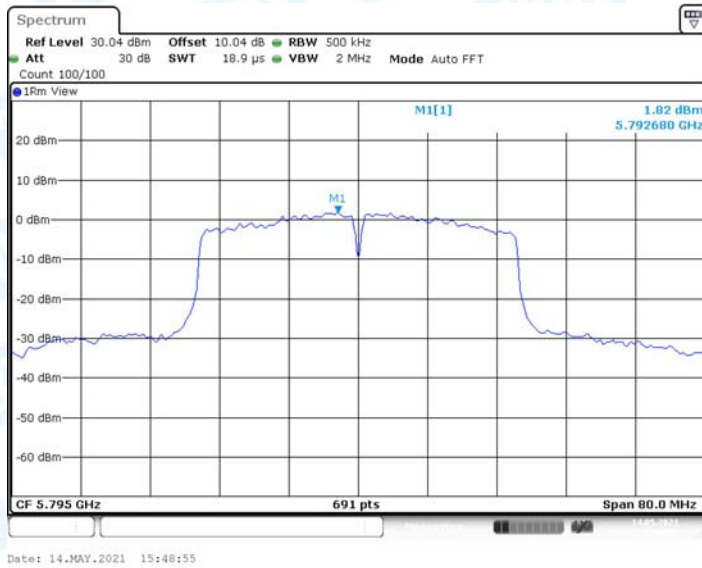
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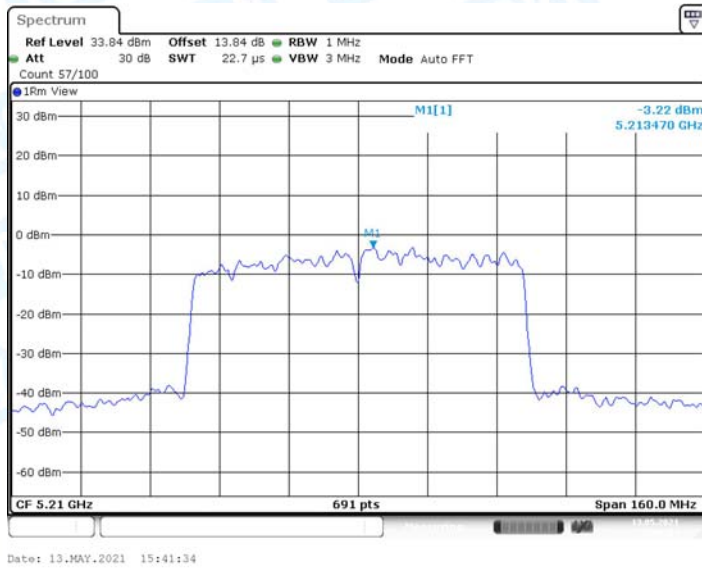
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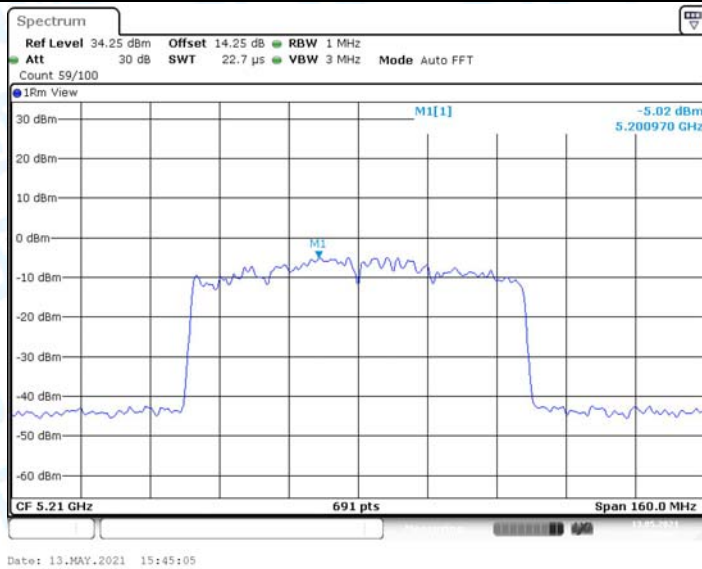
11AC40MIMO_Ant4_5795



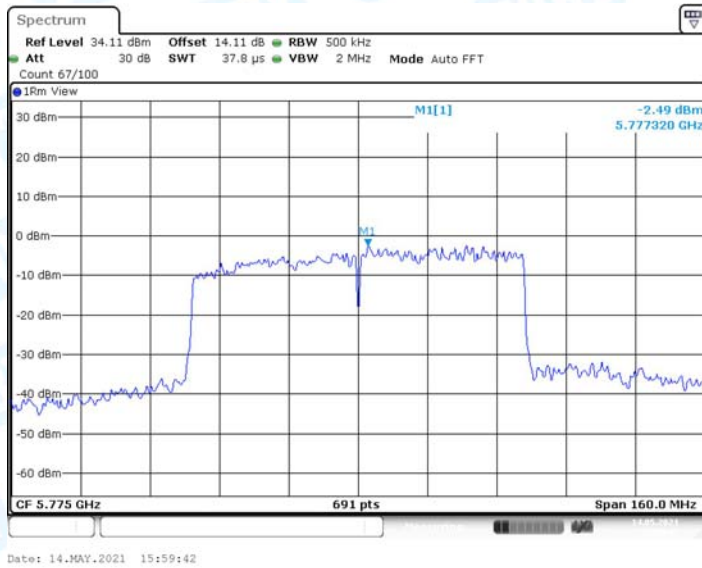
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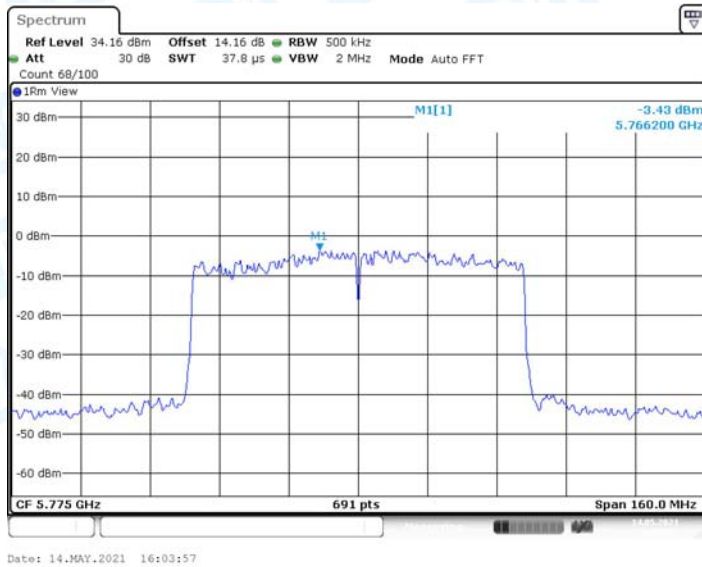
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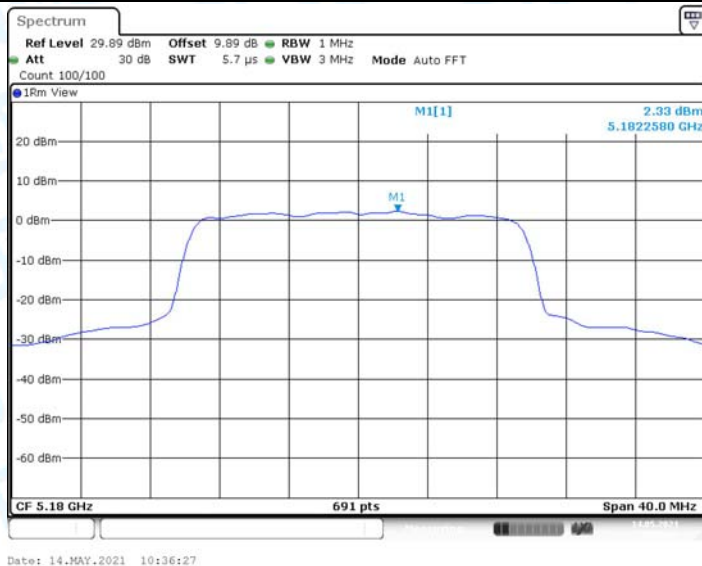
11AC80MIMO_Ant3_5775



11AC80MIMO_Ant4_5775



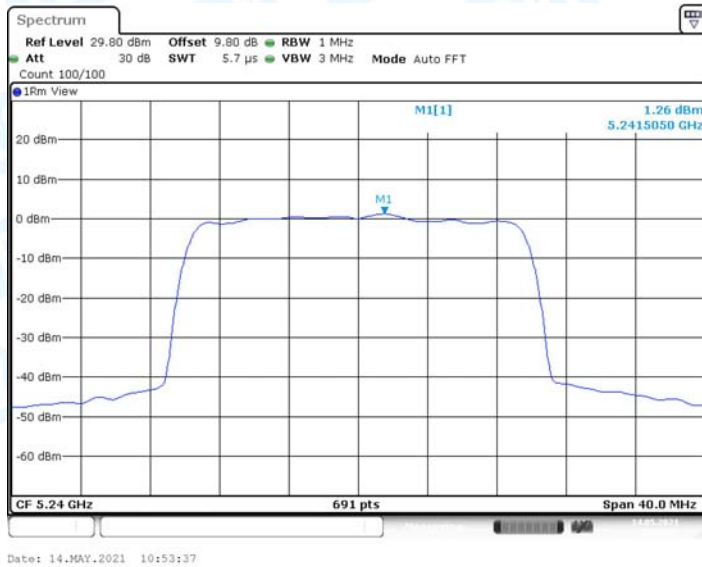
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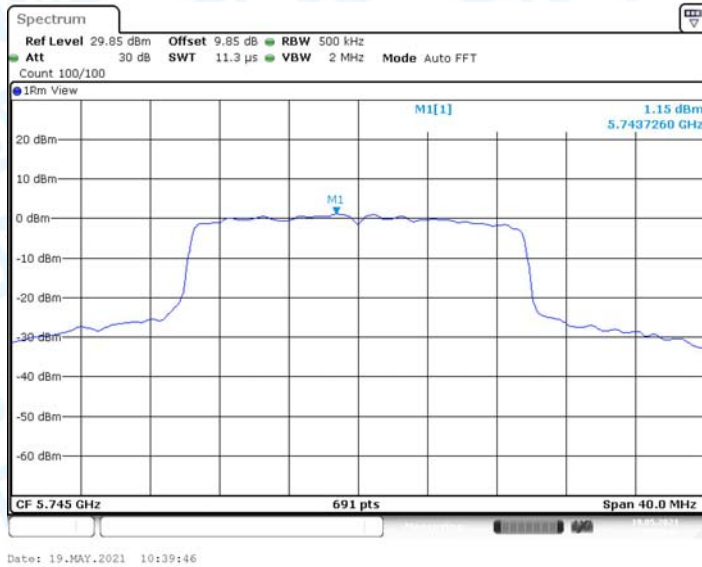
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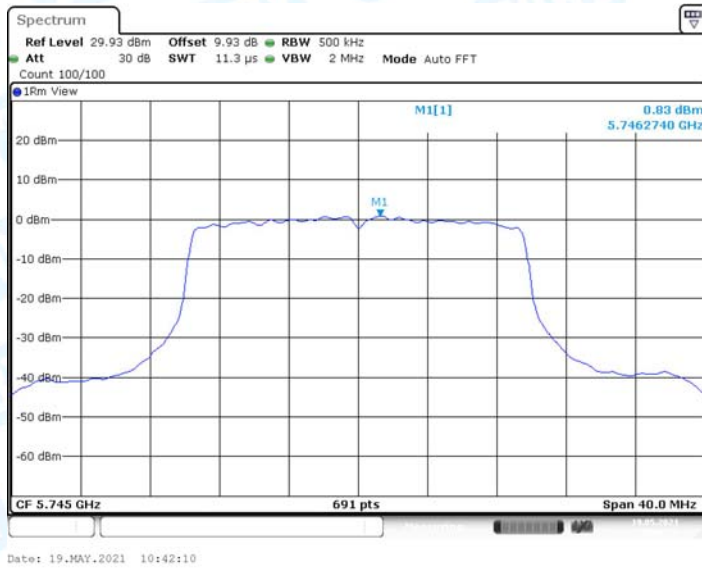
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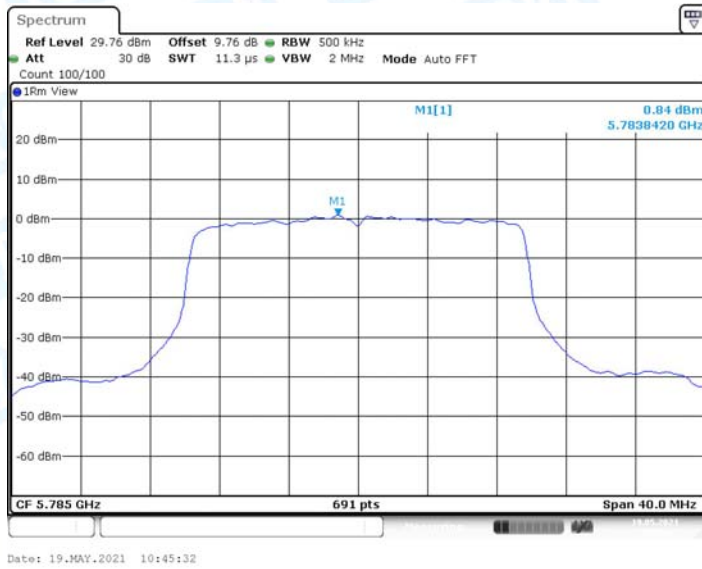
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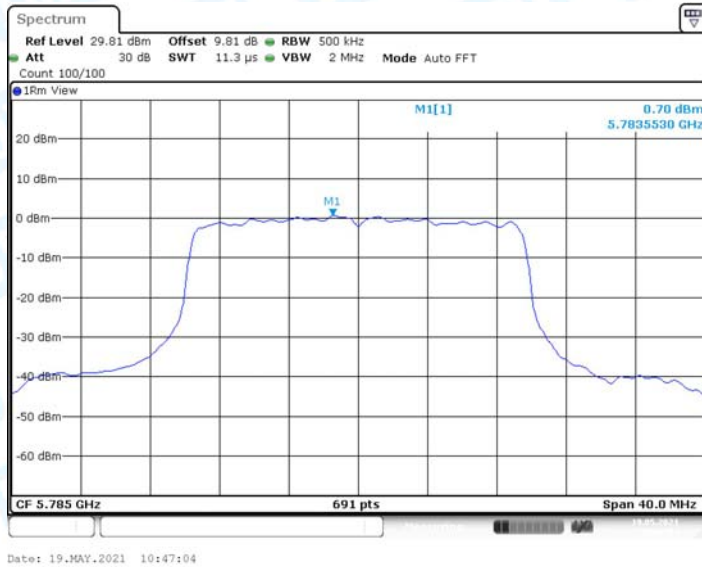
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11AX20MIMO_Ant3_5785



11AX20MIMO_Ant4_5785



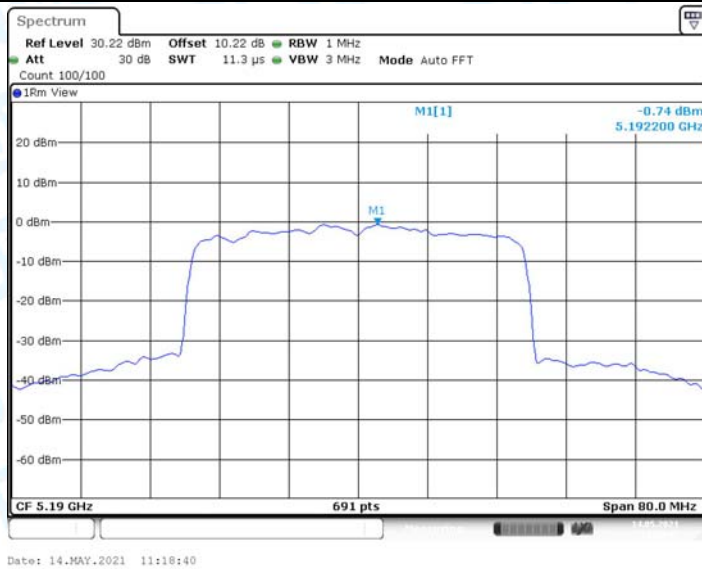
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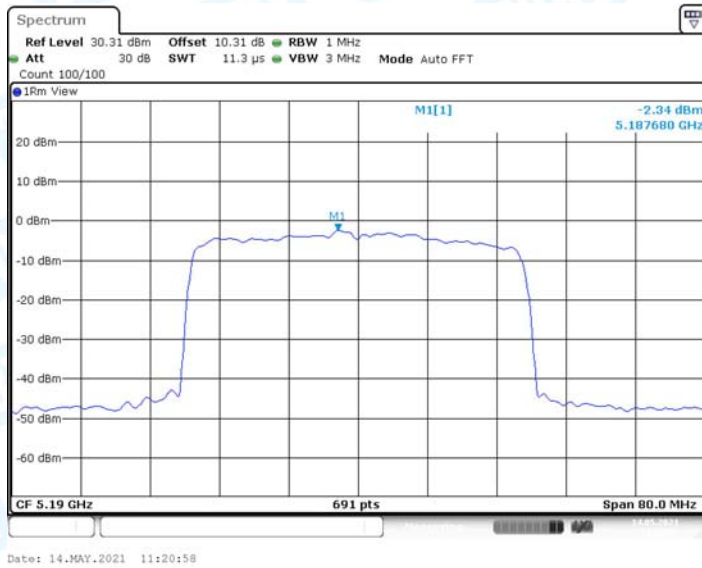
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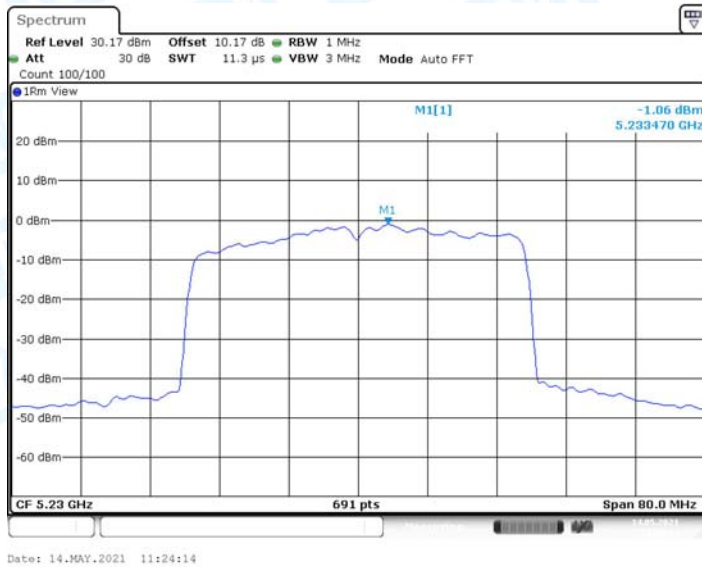
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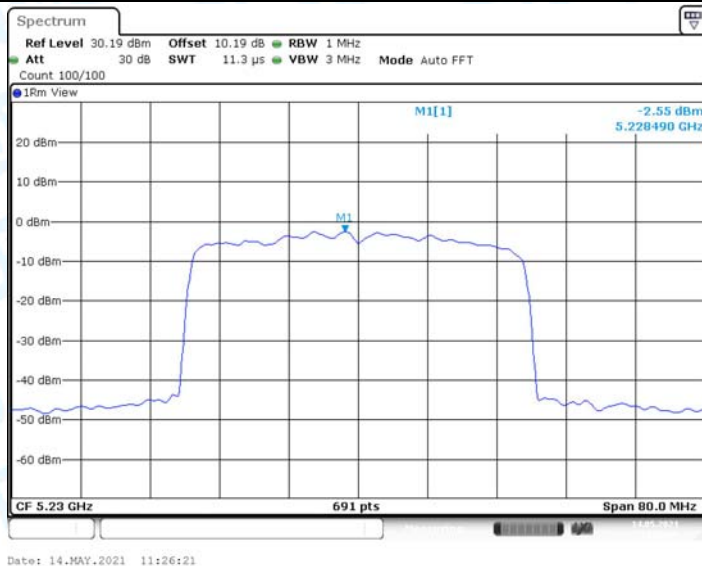
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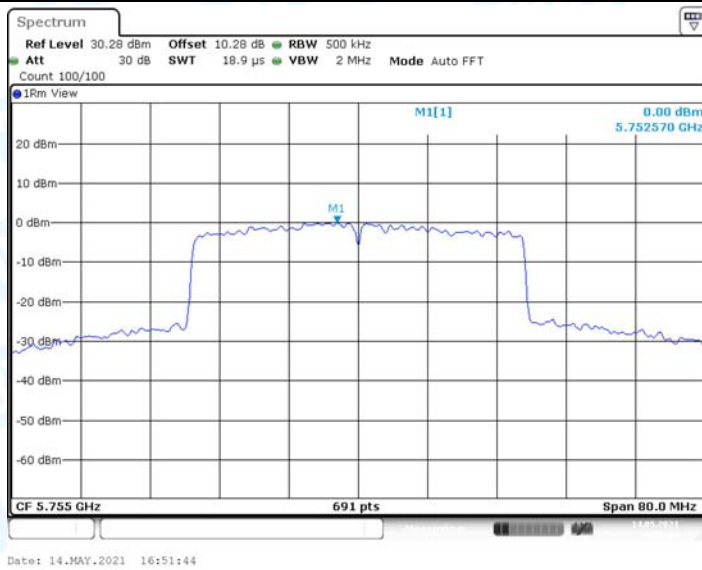
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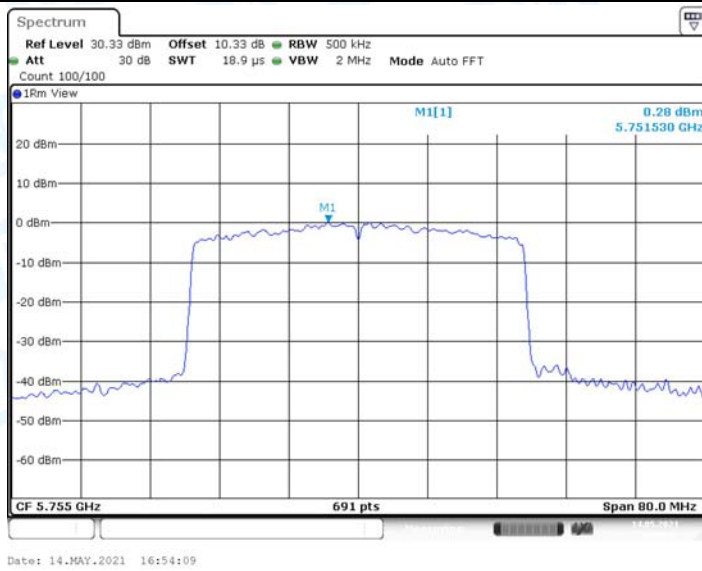
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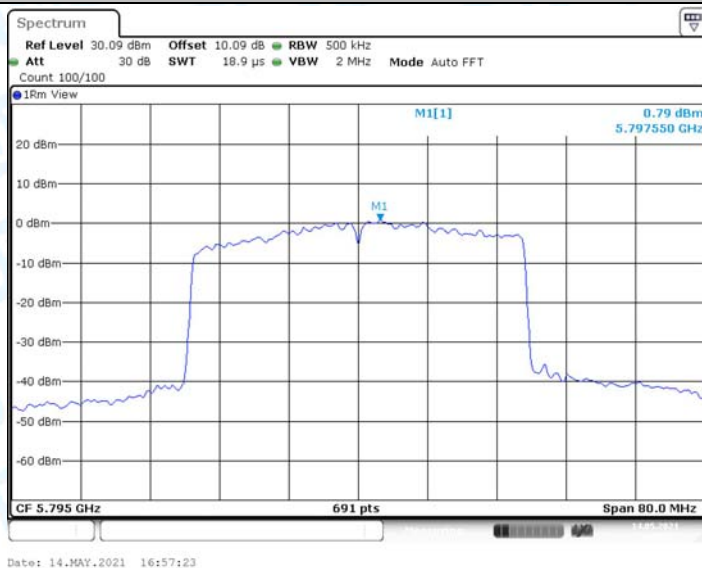
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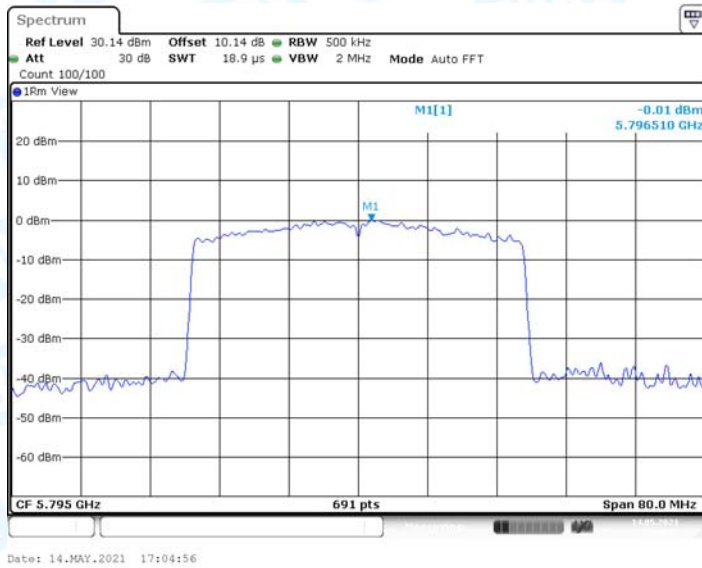
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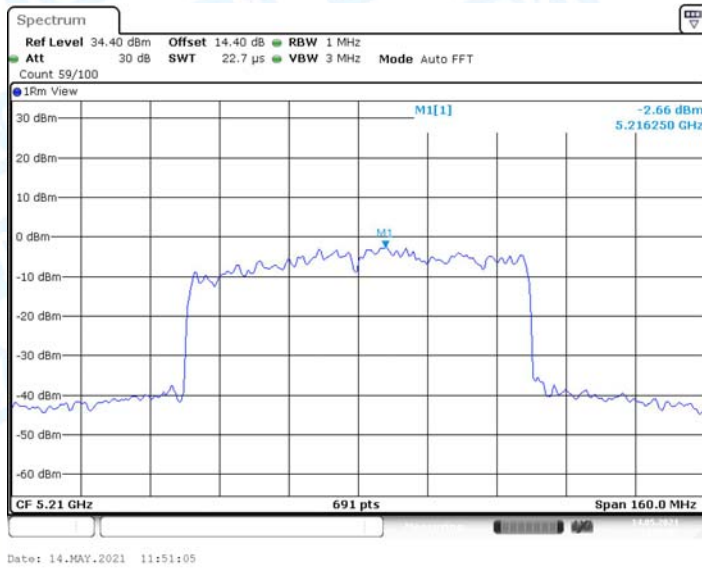
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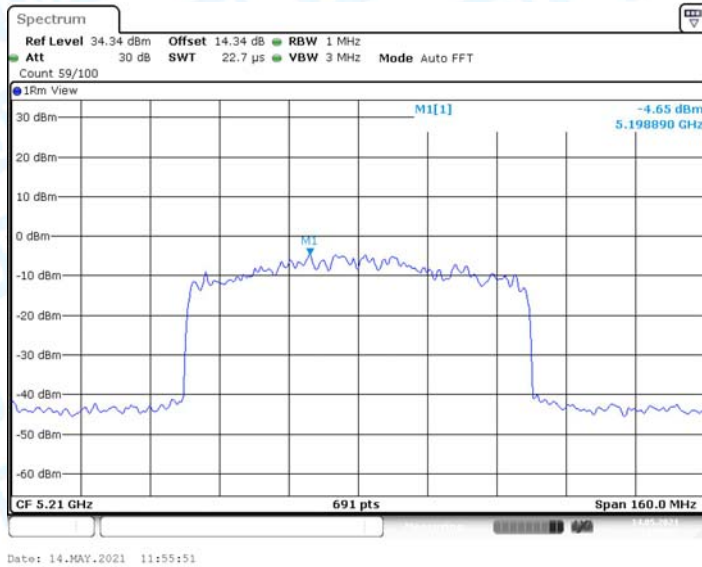
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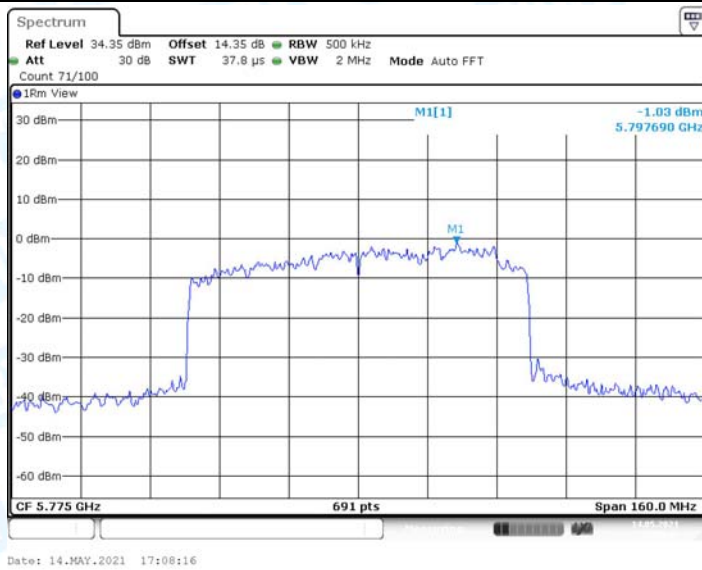
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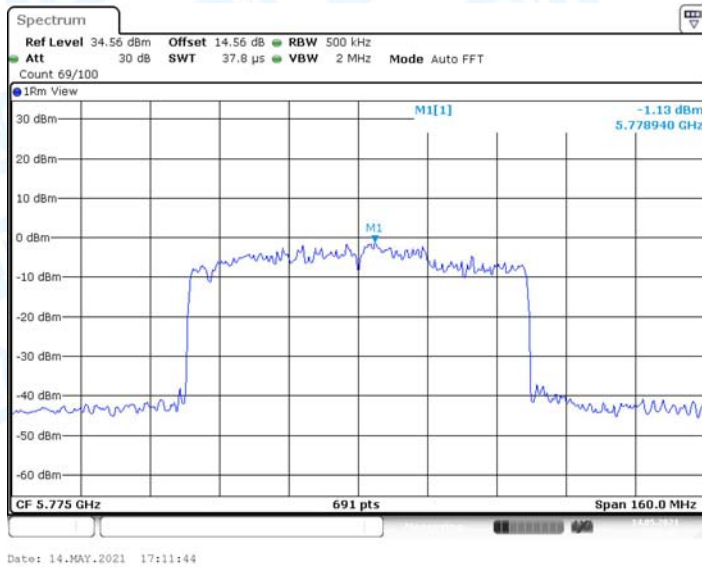
11AX80MIMO_Ant4_5210



11AX80MIMO_Ant3_5775



11AX80MIMO_Ant4_5775



Attachment G--Frequency Stability Measurement Data

Only show the worst case 802.11 a Mode 5180MHz.

801.11a U-NII-1: 5180 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5180.0500
120	5180.0300
118	5180.0600
Limit Range (MHz)	5150-5250
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0300
10	5180.0400
20	5180.0300
30	5180.0400
40	5180.0500
50	5180.0600
Limit Range (MHz)	5150-5250
Result	PASS

Only show the worst case 802.11 a Mode 5745MHz.

801.11a U-NII-3: 5745 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5745.0400
120	5745.0300
118	5744.0400
Limit Range (MHz)	5725-5850
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5745.0300
10	5745.0500
20	5745.0200
30	5745.0300
40	5745.0600
50	5745.0200
Limit Range (MHz)	5725-5850
Result	PASS

-----END OF REPORT-----