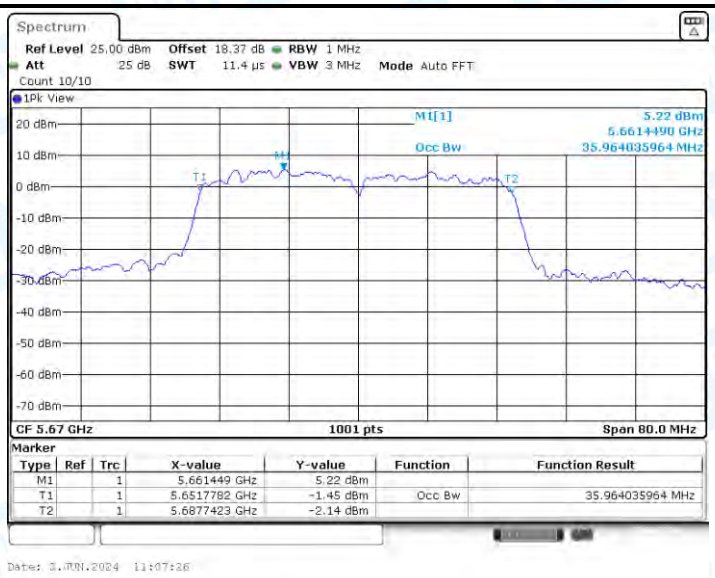
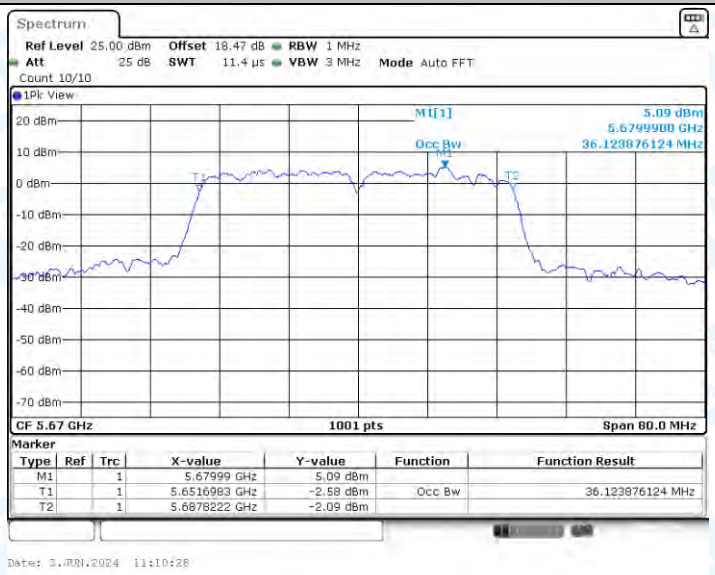
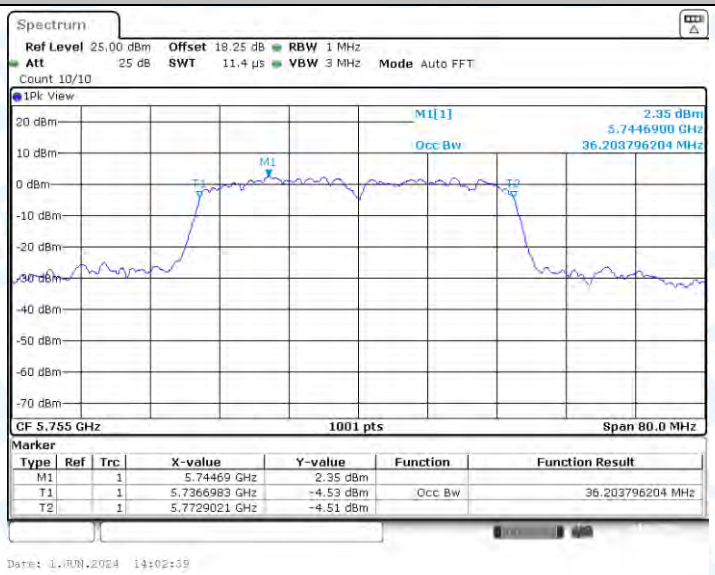


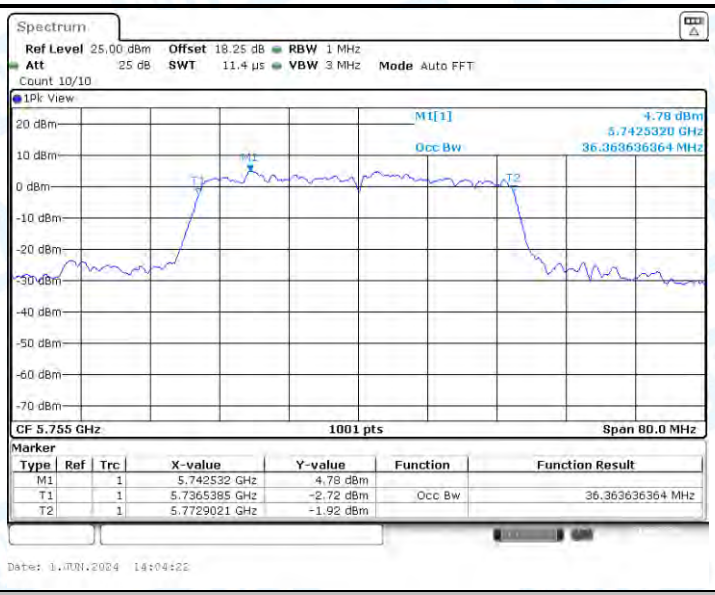
11AC40-MIMO_Ant2_5670



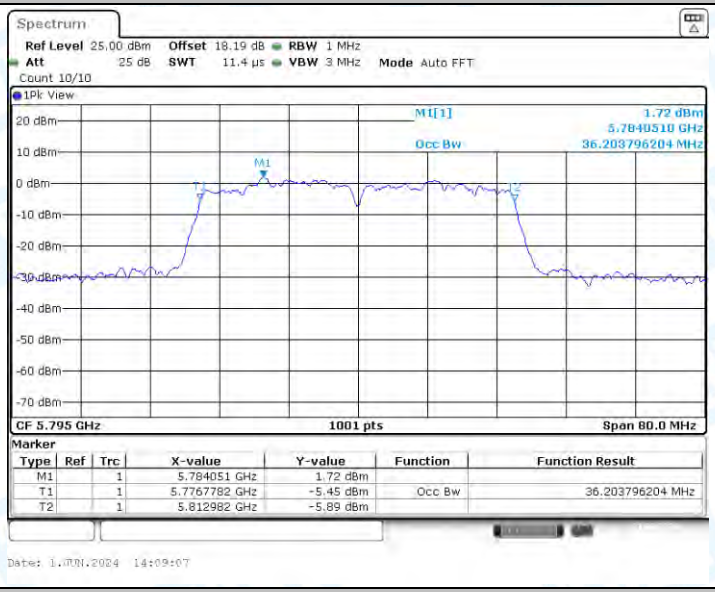
11AC40-MIMO_Ant1_5755



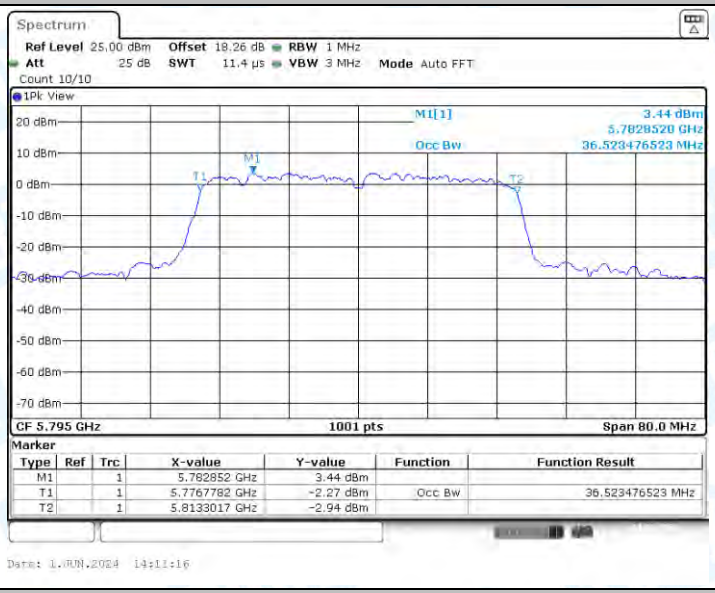
11AC40-MIMO_Ant2_5755



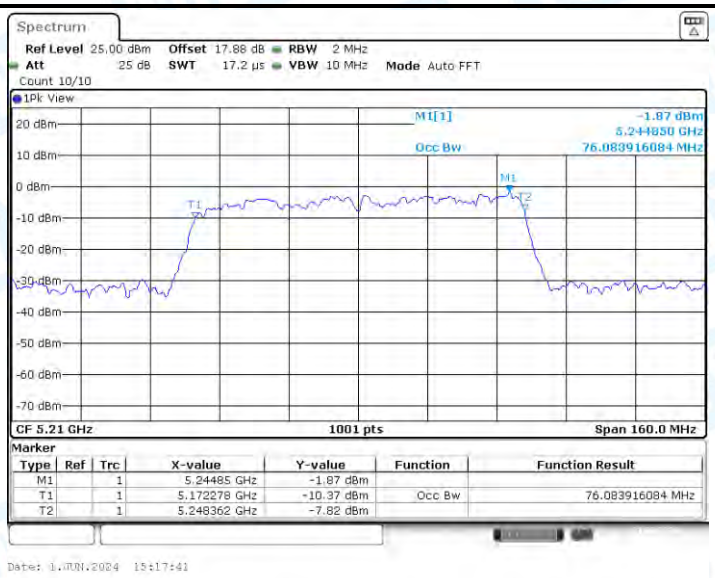
11AC40-MIMO_Ant1_5795



11AC40-MIMO_Ant2_5795



11AC80-MIMO_Ant1_5210



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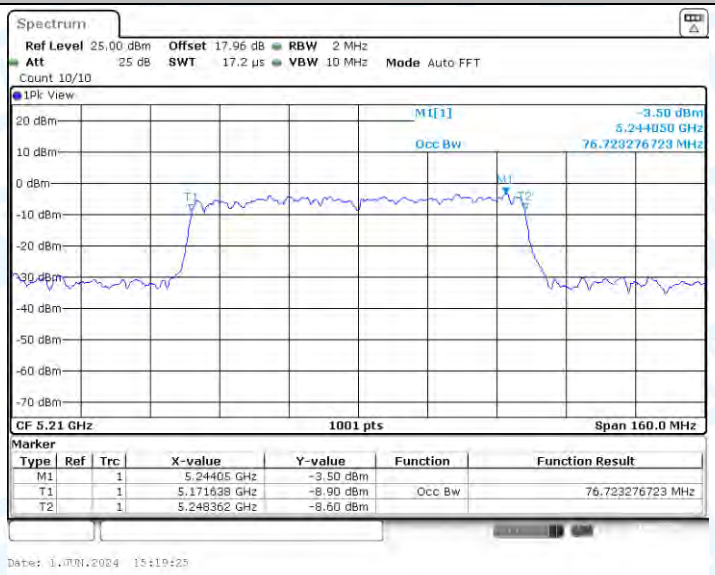
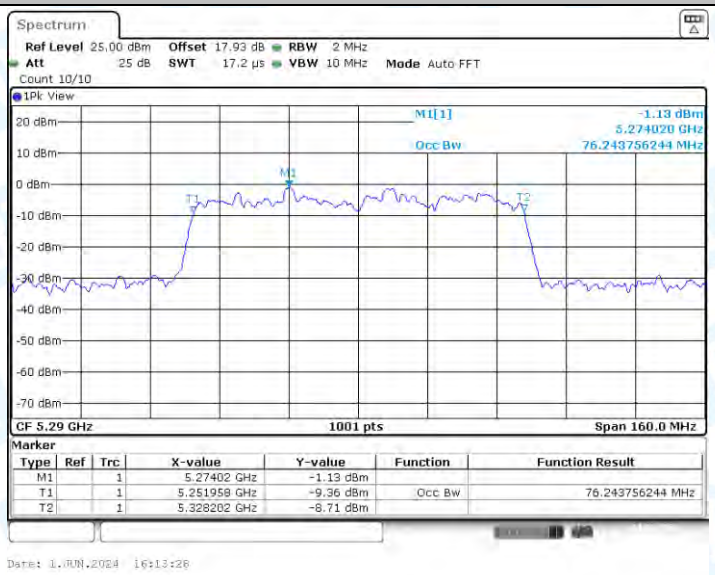
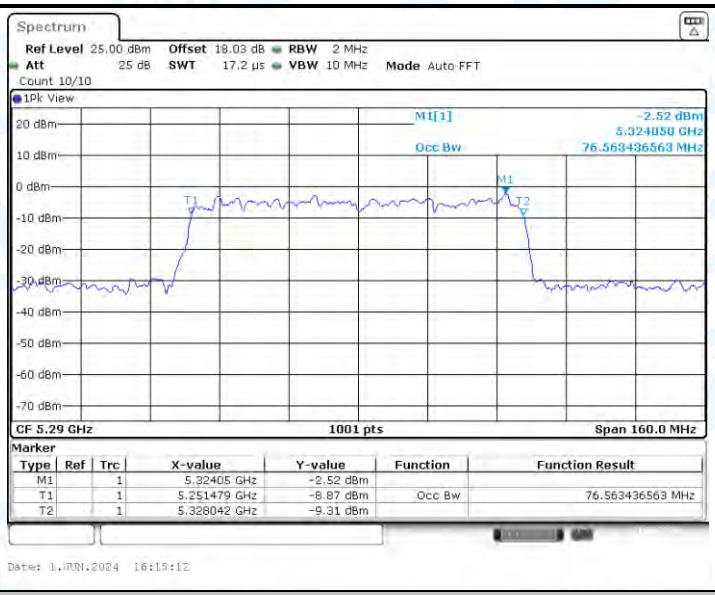


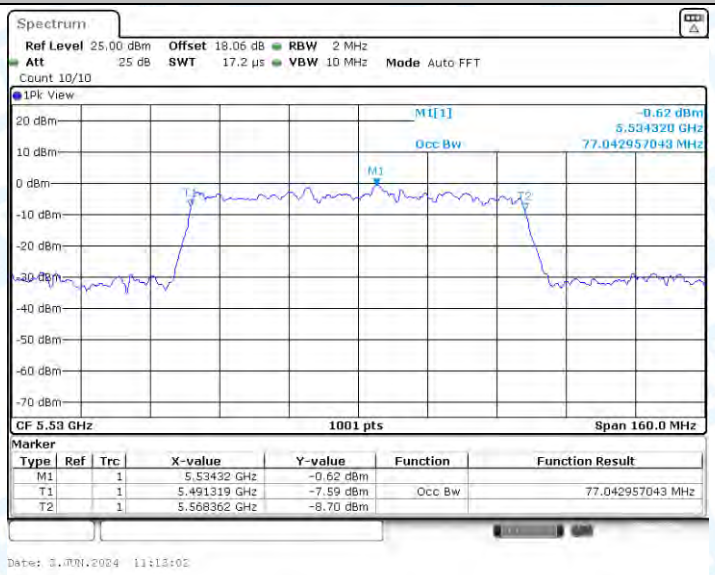
11AC80-MIMO_Ant1_5290



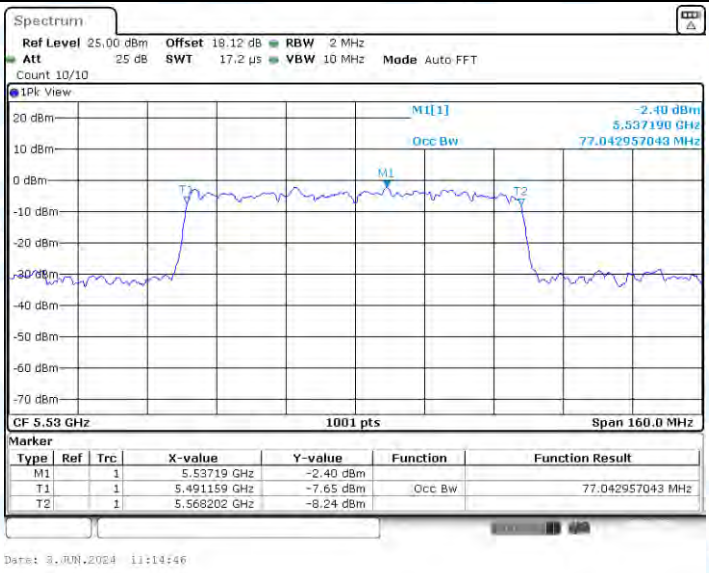
11AC80-MIMO_Ant2_5290



11AC80-MIMO_Ant1_5530



11AC80-MIMO_Ant2_5530



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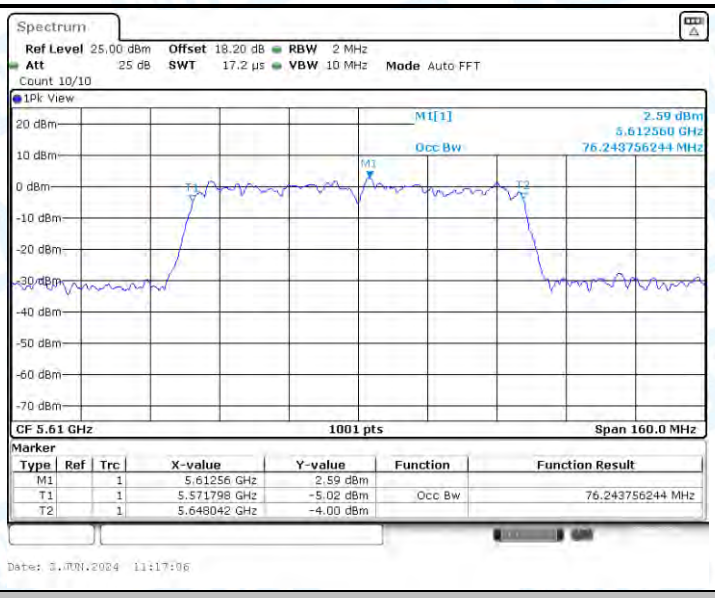

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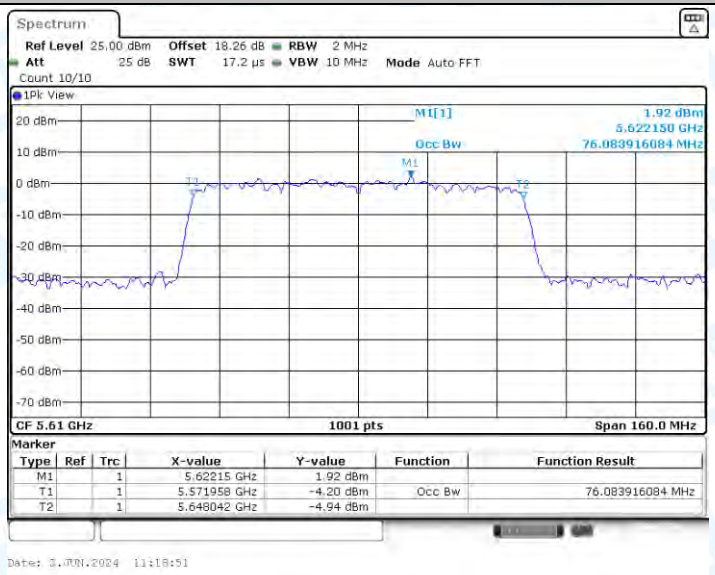
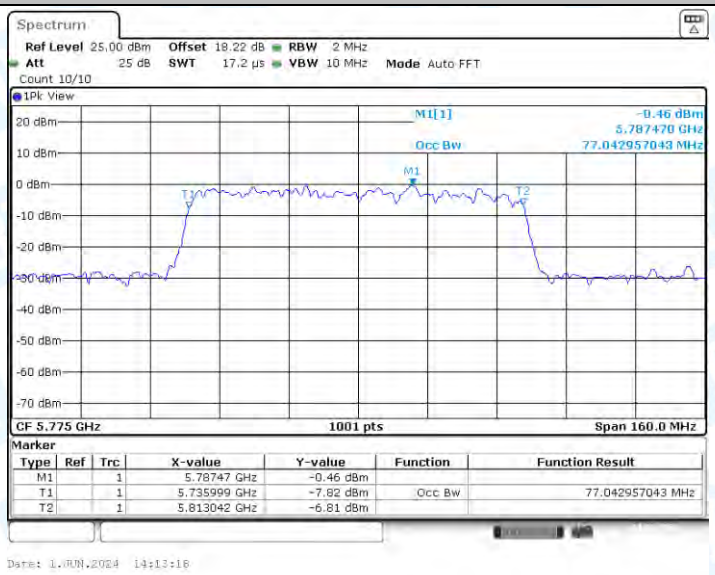
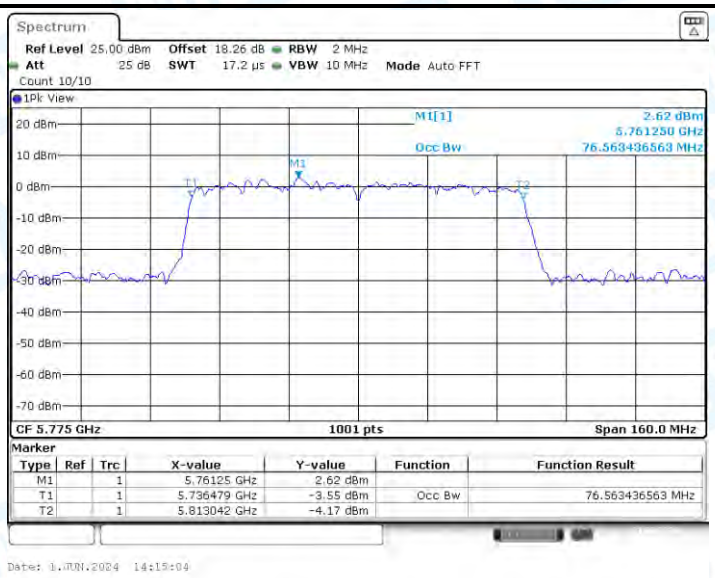


11AC80-MIMO_Ant1_5775



11AC80-MIMO_Ant2_5775


Spectrum
Ref Level 25.00 dBm Offset 18.26 dB RBW 2 MHz
Att 25 dB SWT 17.2 µs VBW 10 MHz Mode Auto FFT
Count 10/10
1Pk View
M1[1] 2.62 dBm
5.761250 GHz
Occ Bw 76.563436563 MHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 5.775 GHz
1001 pts
Span 160.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.76125 GHz 2.62 dBm
T1 1 5.736479 GHz -3.55 dBm Occ Bw 76.563436563 MHz
T2 1 5.813042 GHz -4.17 dBm
Date: 1.JUN.2024 14:15:04

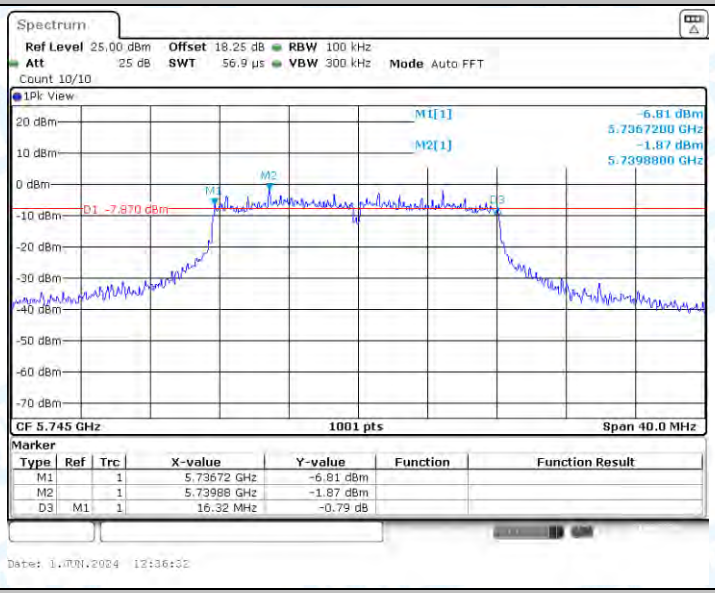
3. Min emission bandwidth

3.1.Test Result

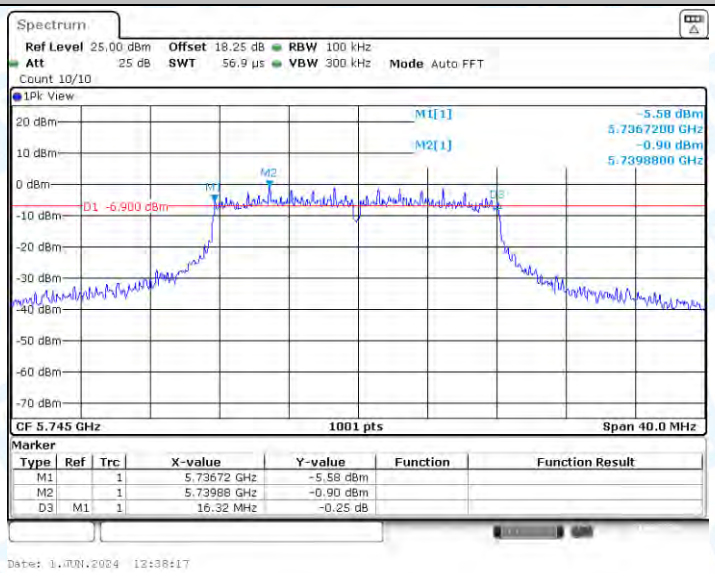
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.32	5736.72	5753.04	0.5	PASS
	Ant2	5745	16.32	5736.72	5753.04	0.5	PASS
	Ant1	5785	16.32	5776.72	5793.04	0.5	PASS
	Ant2	5785	16.32	5776.72	5793.04	0.5	PASS
	Ant1	5825	16.32	5816.72	5833.04	0.5	PASS
	Ant2	5825	16.32	5816.72	5833.04	0.5	PASS
11N20-MIMO	Ant1	5745	17.60	5736.08	5753.68	0.5	PASS
	Ant2	5745	17.60	5736.08	5753.68	0.5	PASS
	Ant1	5785	17.56	5776.08	5793.64	0.5	PASS
	Ant2	5785	16.92	5776.72	5793.64	0.5	PASS
	Ant1	5825	17.56	5816.08	5833.64	0.5	PASS
	Ant2	5825	17.56	5816.08	5833.64	0.5	PASS
11N40-MIMO	Ant1	5755	35.12	5737.32	5772.44	0.5	PASS
	Ant2	5755	35.12	5737.32	5772.44	0.5	PASS
	Ant1	5795	33.20	5777.32	5810.52	0.5	PASS
	Ant2	5795	33.20	5779.24	5812.44	0.5	PASS
11AC20-MIMO	Ant1	5745	17.64	5736.04	5753.68	0.5	PASS
	Ant2	5745	17.60	5736.08	5753.68	0.5	PASS
	Ant1	5785	17.52	5776.12	5793.64	0.5	PASS
	Ant2	5785	17.56	5776.08	5793.64	0.5	PASS
	Ant1	5825	17.60	5816.08	5833.68	0.5	PASS
	Ant2	5825	17.60	5816.08	5833.68	0.5	PASS
11AC40-MIMO	Ant1	5755	35.04	5737.32	5772.36	0.5	PASS
	Ant2	5755	35.76	5736.68	5772.44	0.5	PASS
	Ant1	5795	35.28	5777.08	5812.36	0.5	PASS
	Ant2	5795	31.28	5777.40	5808.68	0.5	PASS
11AC80-MIMO	Ant1	5775	75.68	5736.76	5812.44	0.5	PASS
	Ant2	5775	75.68	5736.76	5812.44	0.5	PASS

3.2.Test Graphs

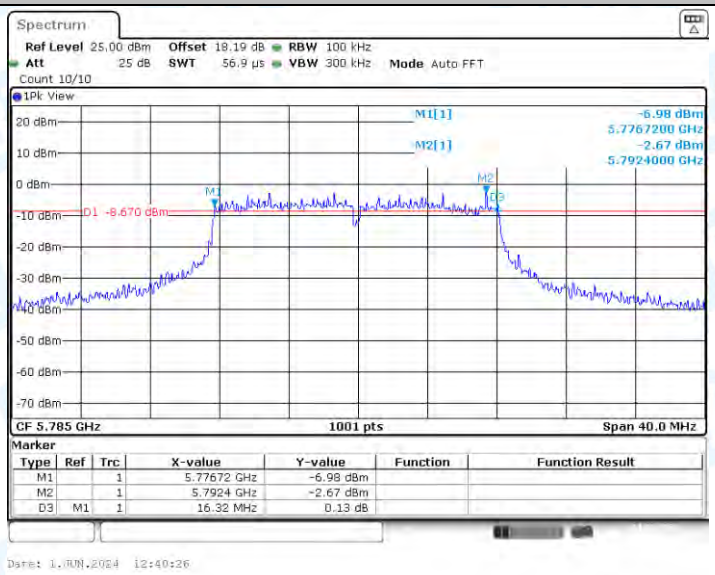
11A-CDD_Ant1_5745



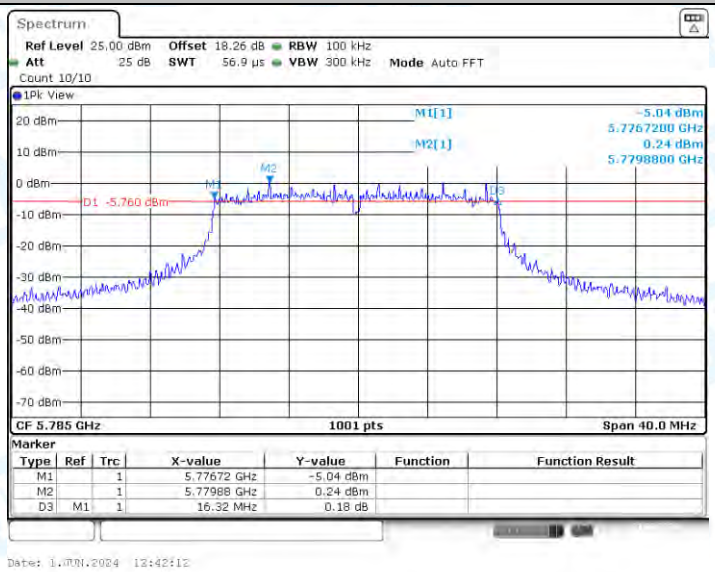
11A-CDD_Ant2_5745



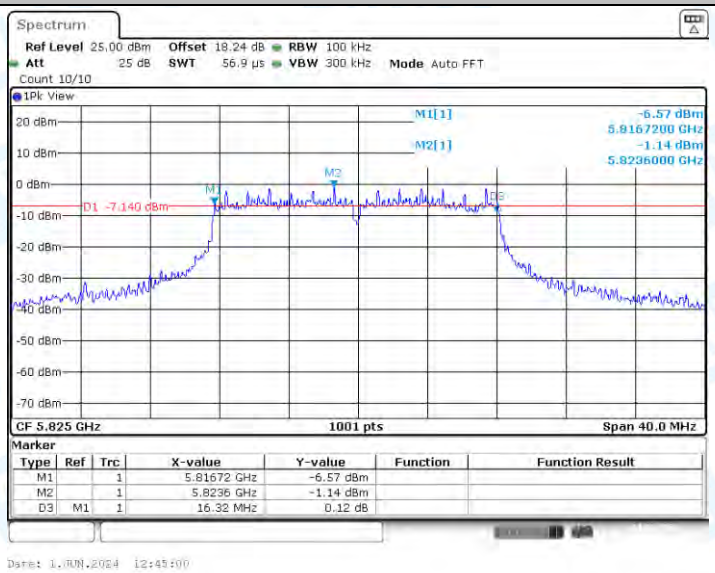
11A-CDD_Ant1_5785



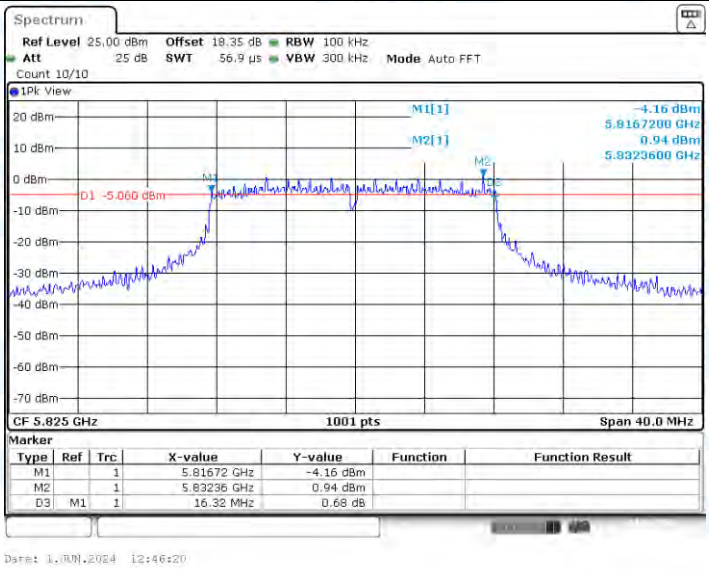
11A-CDD_Ant2_5785



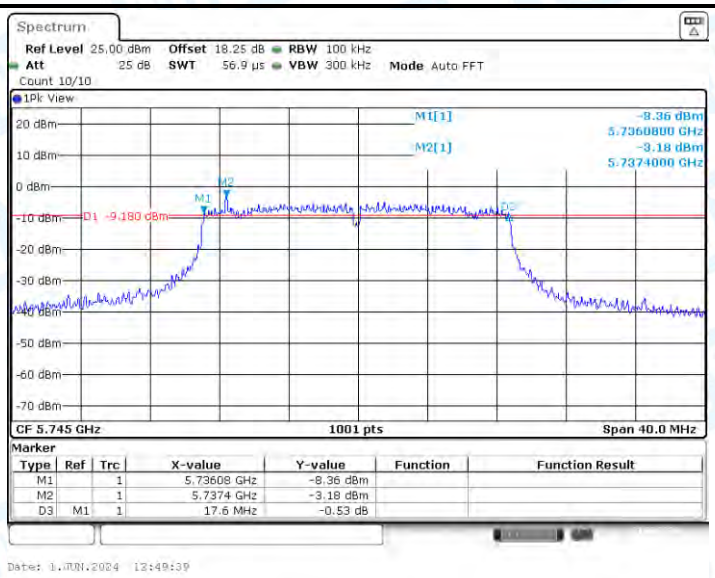
11A-CDD_Ant1_5825



11A-CDD_Ant2_5825



11N20-MIMO_Ant1_5745



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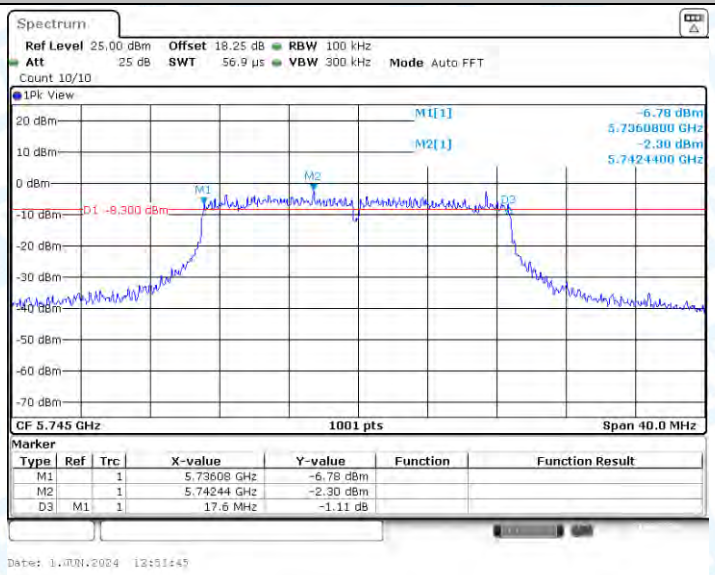

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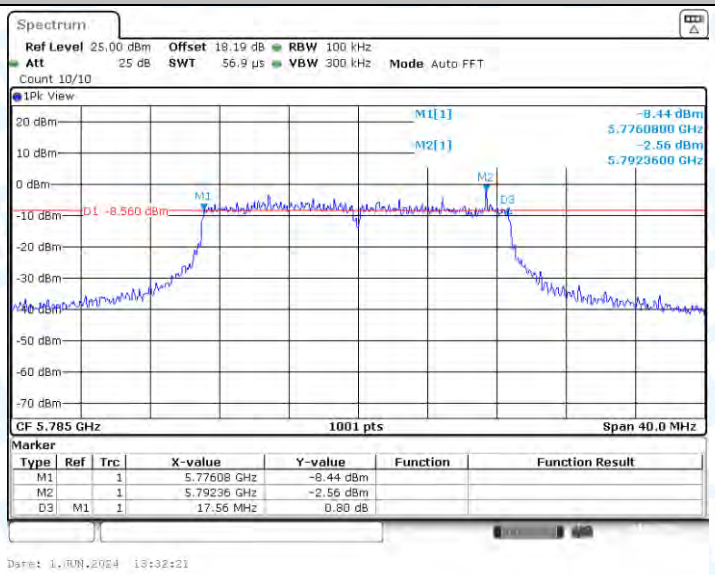

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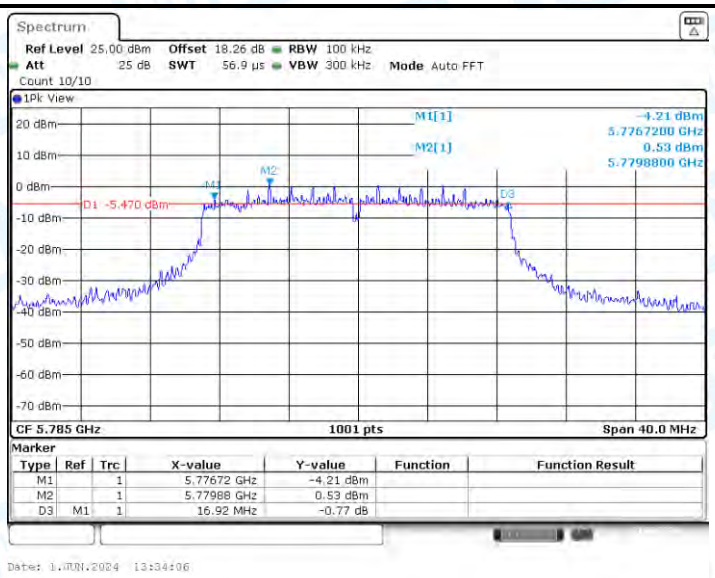
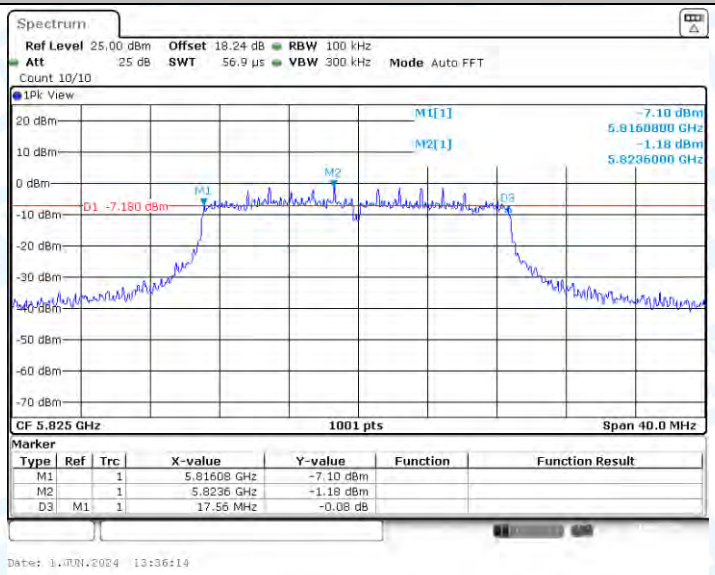


11N20-MIMO_Ant1_5825



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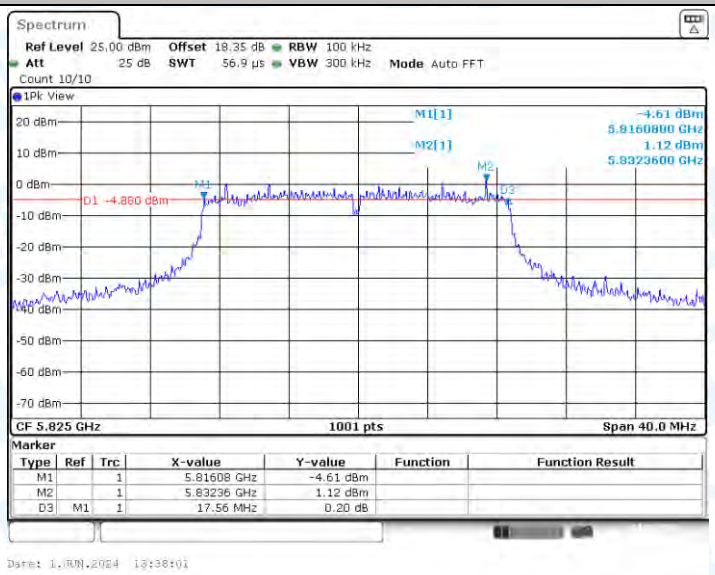
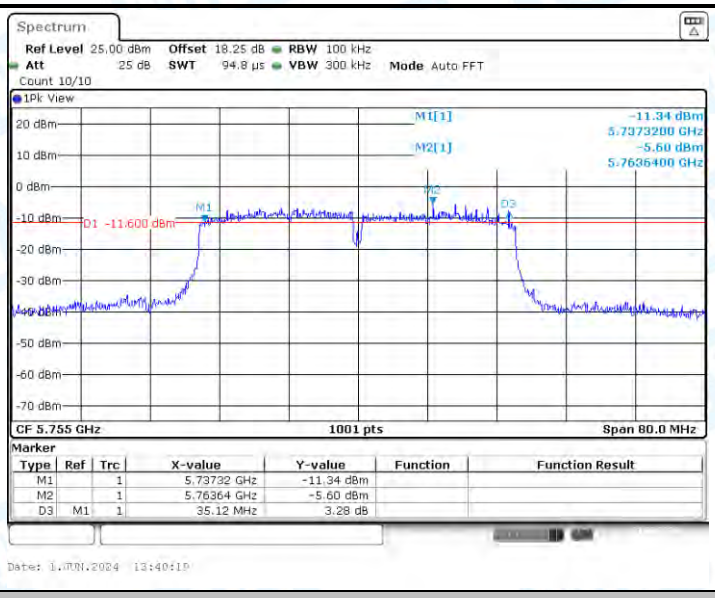


11N40-MIMO_Ant1_5755



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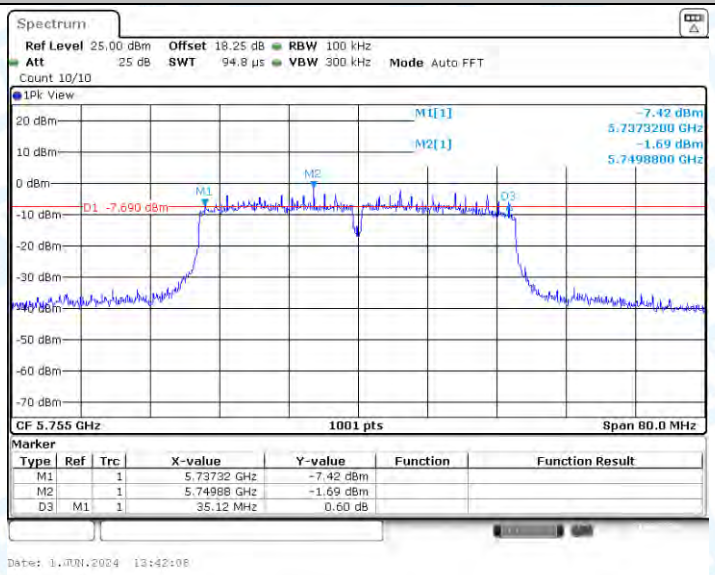
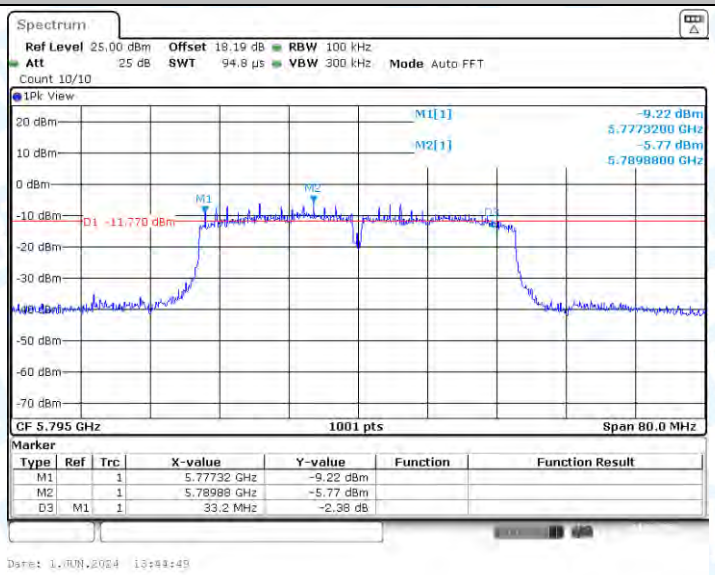
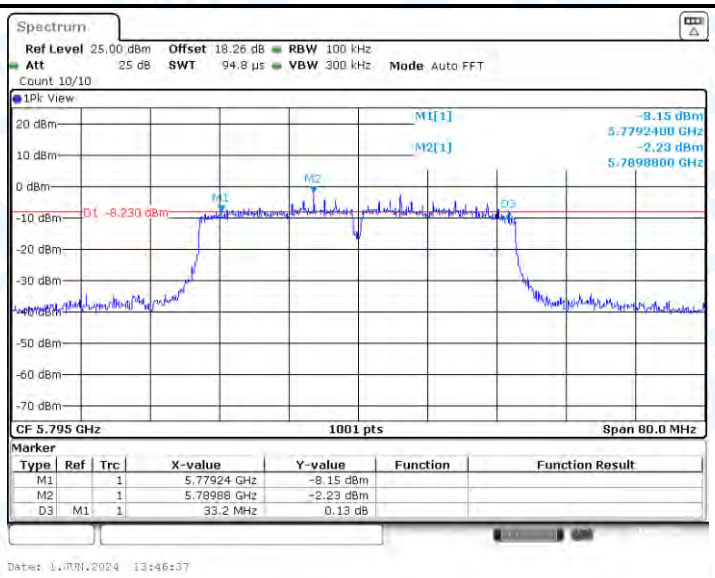


11N40-MIMO_Ant1_5795



11N40-MIMO_Ant2_5795



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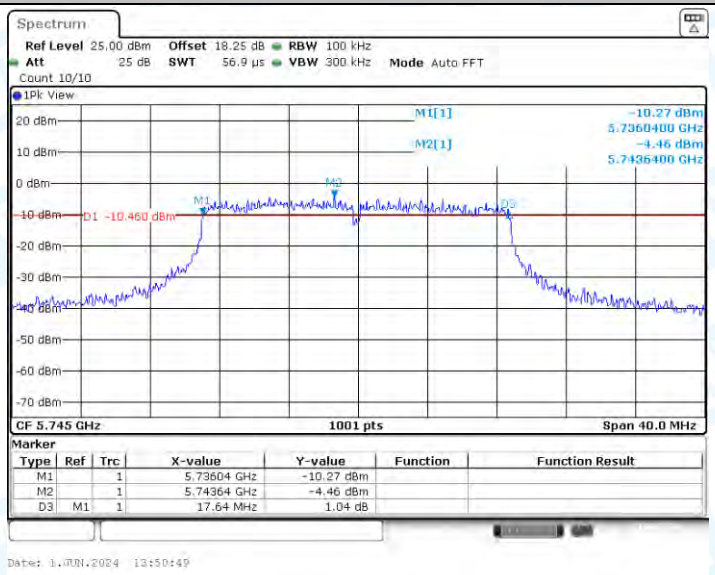

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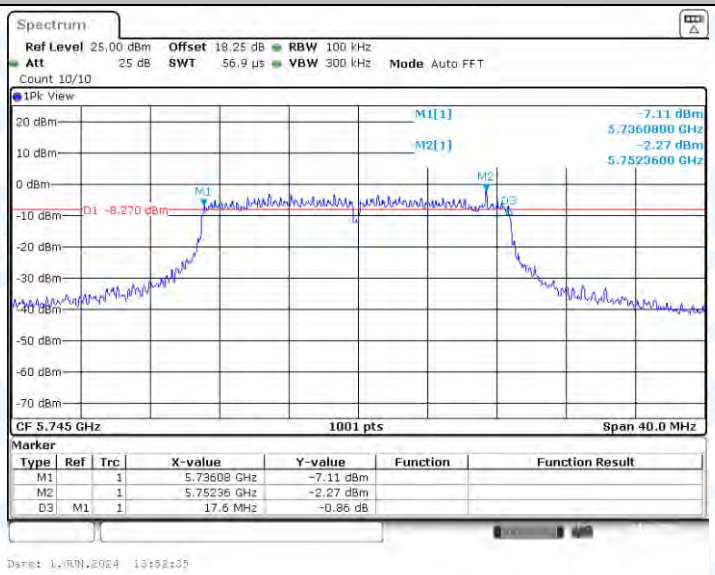

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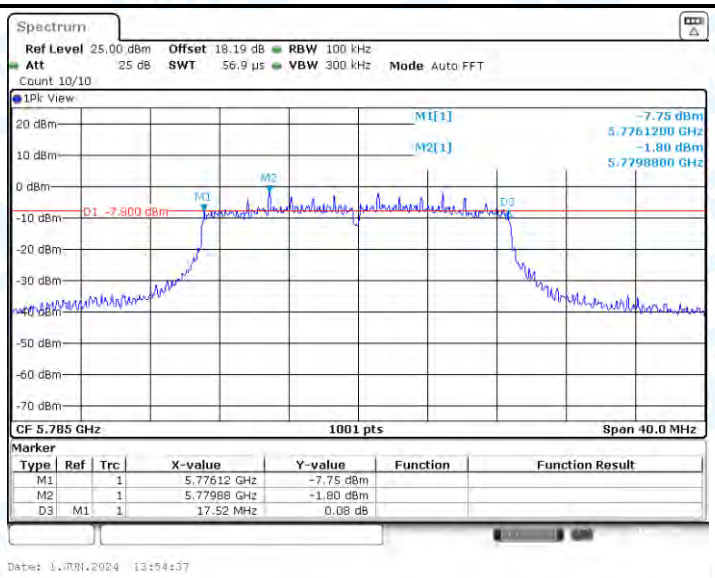

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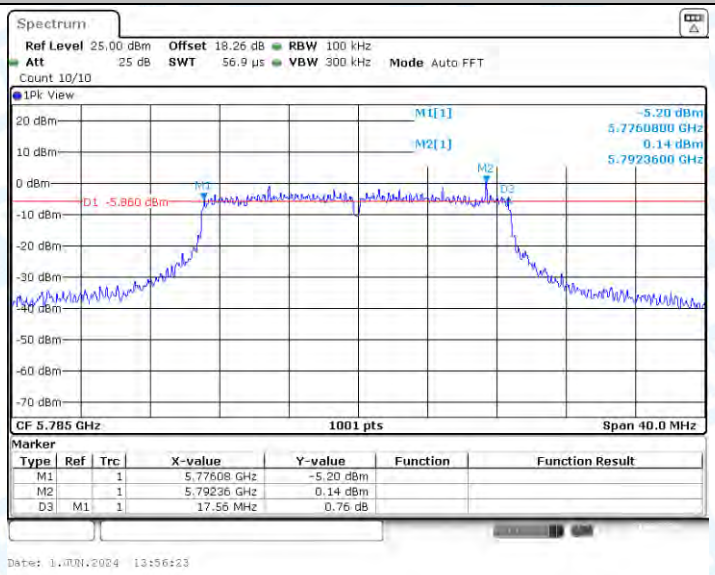

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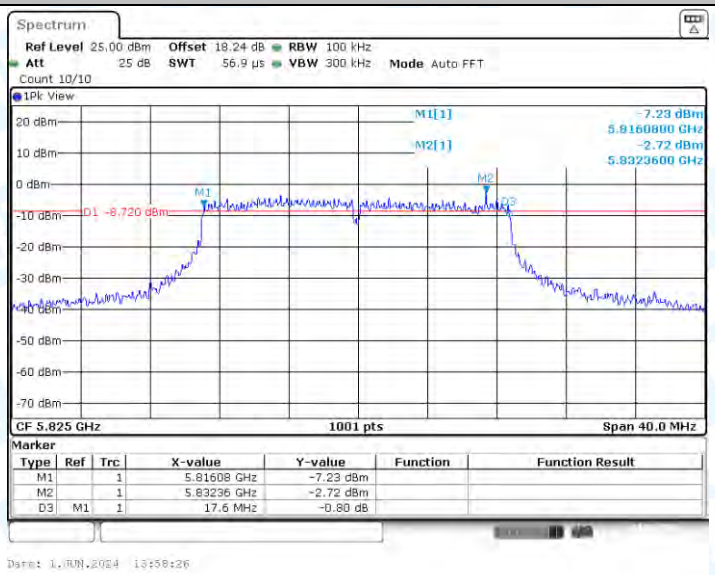
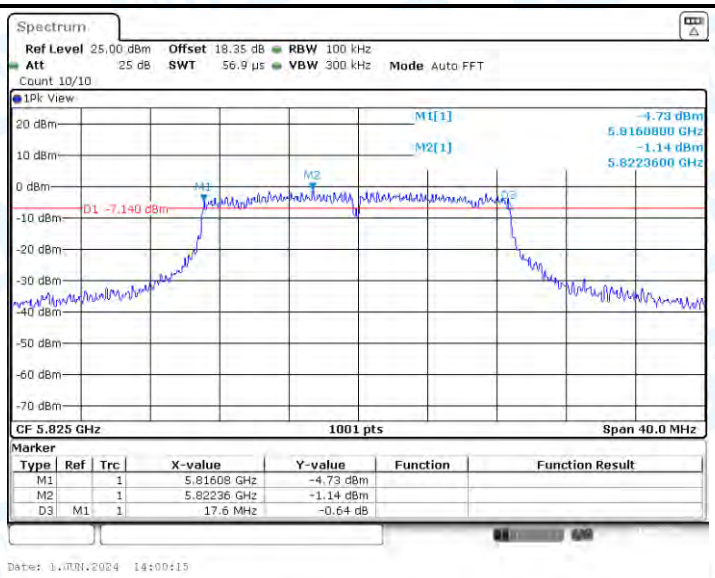


11AC20-MIMO_Ant2_5825



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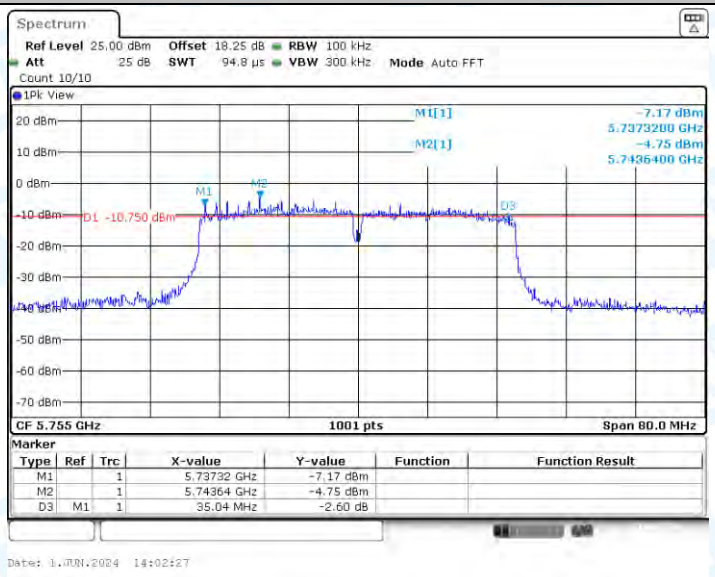
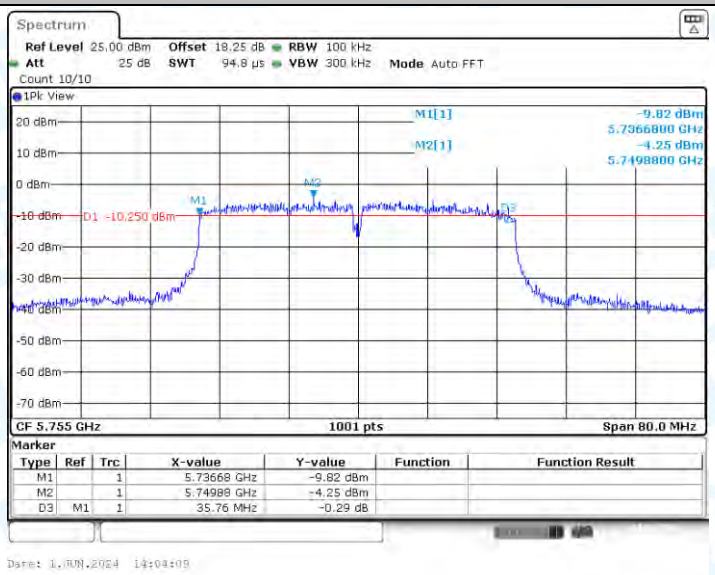
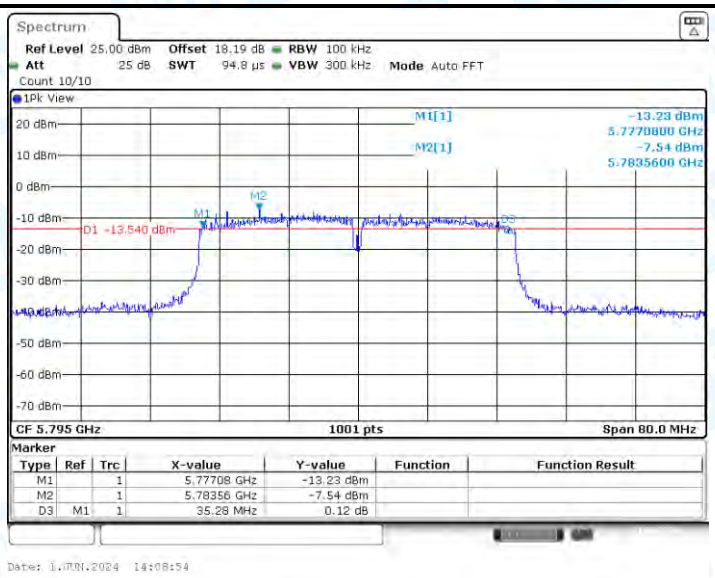


11AC40-MIMO_Ant2_5755



11AC40-MIMO_Ant1_5795



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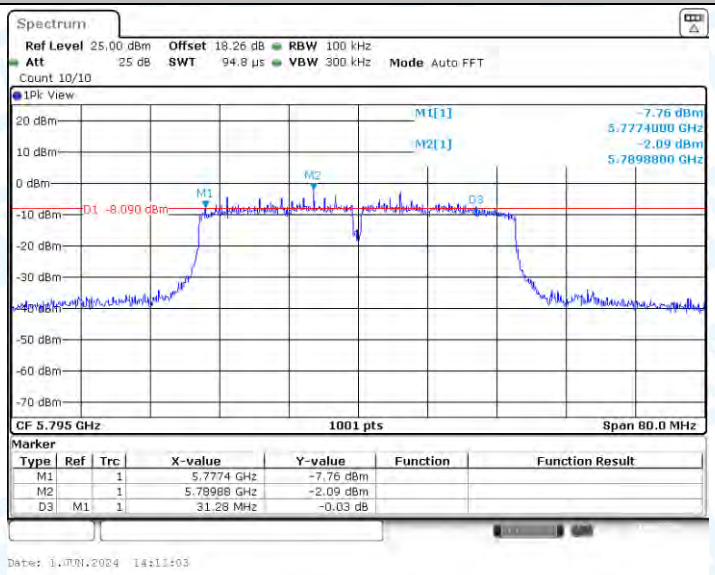
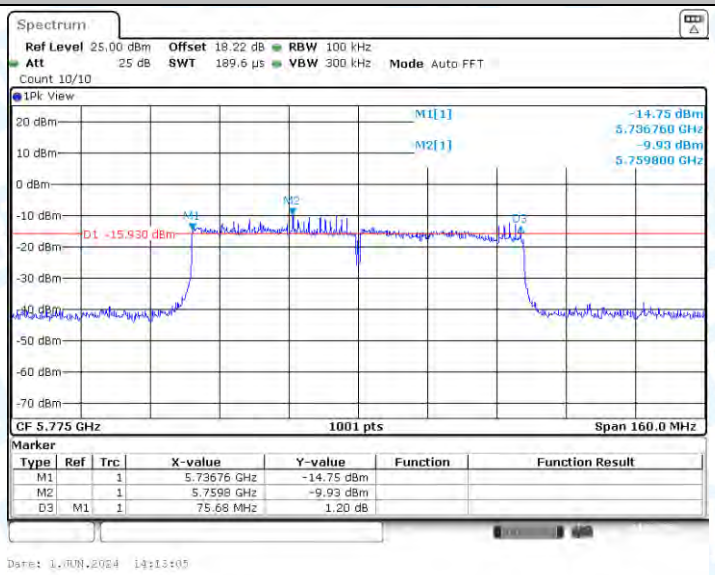


11AC80-MIMO_Ant1_5775



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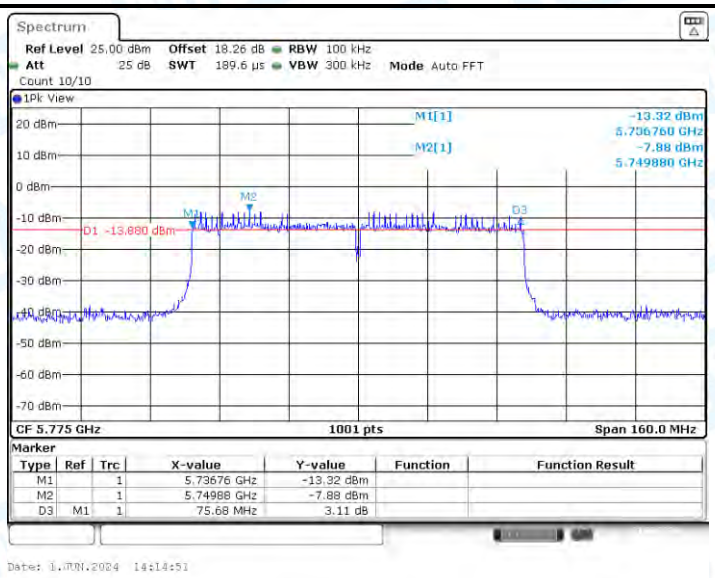

Spectrum
Ref Level 25.00 dBm Offset 18.26 dB RBW 100 kHz
Att 25 dB SWT 189.6 µs VBW 300 kHz Mode Auto FFT
Count 10/10
1Pk View
M1[1] -13.32 dBm 5.736760 GHz
M2[1] -7.88 dBm 5.749880 GHz
D1 -13.880 dBm
CF 5.775 GHz 1001 pts Span 160.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.73676 GHz -13.32 dBm
M2 1 5.74988 GHz -7.88 dBm
D3 M1 1 75.68 MHz 3.11 dB
Date: 1.JUN.2024 14:14:51

4. Maximum conducted output power

4.1.Test Result

TestMode	Antenna	Channel	Conducted power [dBm]	Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A-CDD	Ant1	5180	3.15	---	12.15	≤18.00	PASS
	Ant2	5180	2.33	---	11.33	≤18.00	PASS
	total	5180	5.77	---	12.77	≤18.00	PASS
	Ant1	5200	3.91	---	12.91	≤18.00	PASS
	Ant2	5200	3.11	---	12.11	≤18.00	PASS
	total	5200	6.54	---	15.54	≤18.00	PASS
	Ant1	5240	3.25	---	12.25	≤18.00	PASS
	Ant2	5240	2.81	---	11.81	≤18.00	PASS
	total	5240	6.05	---	15.05	≤18.00	PASS
	Ant1	5260	11.28	≤20.98	---	---	PASS
	Ant2	5260	11.16	≤20.98	---	---	PASS
	total	5260	14.23	≤20.98	---	---	PASS
	Ant1	5280	12.09	≤20.98	---	---	PASS
	Ant2	5280	12.07	≤20.98	---	---	PASS
	total	5280	15.09	≤20.98	---	---	PASS
	Ant1	5320	10.98	≤20.98	---	---	PASS
	Ant2	5320	11.50	≤20.98	---	---	PASS
	total	5320	14.26	≤20.98	---	---	PASS
	Ant1	5500	11.41	≤20.98	---	---	PASS
	Ant2	5500	10.96	≤20.98	---	---	PASS
	total	5500	14.20	≤20.98	---	---	PASS
	Ant1	5580	12.10	≤20.98	---	---	PASS
	Ant2	5580	12.15	≤20.98	---	---	PASS
	total	5580	15.14	≤20.98	---	---	PASS
	Ant1	5700	8.10	≤20.98	---	---	PASS
	Ant2	5700	9.50	≤20.98	---	---	PASS
	total	5700	11.87	≤20.98	---	---	PASS
	Ant1	5745	7.31	≤27.00	---	---	PASS
	Ant2	5745	8.94	≤27.00	---	---	PASS
	total	5745	11.21	≤27.00	---	---	PASS
	Ant1	5785	7.52	≤27.00	---	---	PASS
	Ant2	5785	10.04	≤27.00	---	---	PASS
	total	5785	11.97	≤27.00	---	---	PASS
	Ant1	5825	8.21	≤27.00	---	---	PASS
	Ant2	5825	10.92	≤27.00	---	---	PASS
	total	5825	12.78	≤27.00	---	---	PASS
11N20-MIMO	Ant1	5180	2.62	---	11.62	≤18.00	PASS
	Ant2	5180	1.99	---	10.99	≤18.00	PASS
	total	5180	5.33	---	14.33	≤18.00	PASS

	Ant1	5200	3.06	---	12.06	≤18.00	PASS
	Ant2	5200	2.77	---	11.77	≤18.00	PASS
	total	5200	5.93	---	14.93	≤18.00	PASS
	Ant1	5240	2.66	---	11.93	≤18.00	PASS
	Ant2	5240	2.25	---	11.25	≤18.00	PASS
	total	5240	5.47	---	14.47	≤18.00	PASS
	Ant1	5260	11.15	≤20.98	---	---	PASS
	Ant2	5260	11.57	≤20.98	---	---	PASS
	total	5260	14.38	≤17.97	---	---	PASS
	Ant1	5280	11.31	≤20.98	---	---	PASS
	Ant2	5280	11.34	≤20.98	---	---	PASS
	total	5280	14.34	≤17.97	---	---	PASS
	Ant1	5320	11.39	≤20.98	---	---	PASS
	Ant2	5320	11.65	≤20.98	---	---	PASS
	total	5320	14.53	≤17.97	---	---	PASS
	Ant1	5500	10.88	≤20.98	---	---	PASS
	Ant2	5500	10.98	≤20.98	---	---	PASS
	total	5500	13.94	≤17.97	---	---	PASS
	Ant1	5580	12.53	≤20.98	---	---	PASS
	Ant2	5580	12.59	≤20.98	---	---	PASS
	total	5580	15.57	≤17.97	---	---	PASS
	Ant1	5700	7.15	≤20.98	---	---	PASS
	Ant2	5700	7.79	≤20.98	---	---	PASS
	total	5700	10.49	≤17.97	---	---	PASS
	Ant1	5745	6.71	≤27.00	---	---	PASS
	Ant2	5745	7.58	≤27.00	---	---	PASS
	total	5745	10.18	≤23.99	---	---	PASS
	Ant1	5785	6.60	≤27.00	---	---	PASS
	Ant2	5785	9.52	≤27.00	---	---	PASS
	total	5785	11.31	≤23.99	---	---	PASS
	Ant1	5825	7.63	≤27.00	---	---	PASS
	Ant2	5825	10.39	≤27.00	---	---	PASS
	total	5825	12.24	≤23.99	---	---	PASS
11N40-MIMO	Ant1	5190	2.54	---	11.54	≤18.00	PASS
	Ant2	5190	2.26	---	11.26	≤18.00	PASS
	total	5190	5.41	---	14.41	≤18.00	PASS
	Ant1	5230	3.52	---	12.52	≤18.00	PASS
	Ant2	5230	2.96	---	11.96	≤18.00	PASS
	total	5230	6.26	---	15.26	≤18.00	PASS
	Ant1	5270	13.63	≤20.98	---	---	PASS
	Ant2	5270	13.62	≤20.98	---	---	PASS
	total	5270	16.64	≤17.97	---	---	PASS
	Ant1	5310	13.75	≤20.98	---	---	PASS
	Ant2	5310	13.97	≤20.98	---	---	PASS
	total	5310	16.87	≤17.97	---	---	PASS

	Ant1	5510	13.63	≤20.98	---	---	PASS
	Ant2	5510	13.13	≤20.98	---	---	PASS
	total	5510	16.40	≤17.97	---	---	PASS
	Ant1	5550	14.05	≤20.98	---	---	PASS
	Ant2	5550	14.20	≤20.98	---	---	PASS
	total	5550	17.14	≤17.97	---	---	PASS
	Ant1	5670	9.25	≤20.98	---	---	PASS
	Ant2	5670	10.48	≤20.98	---	---	PASS
	total	5670	12.92	≤17.97	---	---	PASS
	Ant1	5755	7.44	≤27.00	---	---	PASS
	Ant2	5755	9.73	≤27.00	---	---	PASS
	total	5755	11.74	≤23.99	---	---	PASS
	Ant1	5795	6.22	≤27.00	---	---	PASS
	Ant2	5795	9.33	≤27.00	---	---	PASS
	total	5795	11.06	≤23.99	---	---	PASS
11AC20-MIMO	Ant1	5180	2.36	---	11.36	≤18.00	PASS
	Ant2	5180	2.18	---	11.18	≤18.00	PASS
	total	5180	5.28	---	14.28	≤18.00	PASS
	Ant1	5200	3.10	---	12.10	≤18.00	PASS
	Ant2	5200	2.75	---	11.75	≤18.00	PASS
	total	5200	5.94	---	14.94	≤18.00	PASS
	Ant1	5240	2.90	---	11.90	≤18.00	PASS
	Ant2	5240	2.23	---	11.23	≤18.00	PASS
	total	5240	5.59	---	14.59	≤18.00	PASS
	Ant1	5260	11.90	≤20.98	---	---	PASS
	Ant2	5260	11.75	≤20.98	---	---	PASS
	total	5260	14.84	≤17.97	---	---	PASS
	Ant1	5280	11.60	≤20.98	---	---	PASS
	Ant2	5280	11.62	≤20.98	---	---	PASS
	total	5280	14.62	≤17.97	---	---	PASS
	Ant1	5320	11.77	≤20.98	---	---	PASS
	Ant2	5320	12.02	≤20.98	---	---	PASS
	total	5320	14.91	≤17.97	---	---	PASS
	Ant1	5500	10.89	≤20.98	---	---	PASS
	Ant2	5500	10.49	≤20.98	---	---	PASS
	total	5500	13.70	≤17.97	---	---	PASS
	Ant1	5580	12.25	≤20.98	---	---	PASS
	Ant2	5580	12.80	≤20.98	---	---	PASS
	total	5580	15.54	≤17.97	---	---	PASS
	Ant1	5700	7.83	≤20.98	---	---	PASS
	Ant2	5700	7.96	≤20.98	---	---	PASS
	total	5700	10.91	≤17.97	---	---	PASS
	Ant1	5745	6.17	≤27.00	---	---	PASS
	Ant2	5745	8.10	≤27.00	---	---	PASS
	total	5745	10.25	≤23.99	---	---	PASS

	Ant1	5785	6.69	≤27.00	---	---	PASS
	Ant2	5785	9.02	≤27.00	---	---	PASS
	total	5785	11.02	≤23.99	---	---	PASS
	Ant1	5825	7.66	≤27.00	---	---	PASS
	Ant2	5825	10.40	≤27.00	---	---	PASS
	total	5825	12.25	≤23.99	---	---	PASS
11AC40-MIMO	Ant1	5190	2.74	---	11.74	≤18.00	PASS
	Ant2	5190	2.30	---	11.30	≤18.00	PASS
	total	5190	5.54	---	14.54	≤18.00	PASS
	Ant1	5230	3.57	---	12.57	≤18.00	PASS
	Ant2	5230	3.04	---	12.04	≤18.00	PASS
	total	5230	6.32	---	15.32	≤18.00	PASS
	Ant1	5270	14.61	≤20.98	---	---	PASS
	Ant2	5270	14.54	≤20.98	---	---	PASS
	total	5270	17.59	≤17.97	---	---	PASS
	Ant1	5310	13.73	≤20.98	---	---	PASS
	Ant2	5310	13.99	≤20.98	---	---	PASS
	total	5310	16.87	≤17.97	---	---	PASS
	Ant1	5510	11.61	≤20.98	---	---	PASS
	Ant2	5510	11.21	≤20.98	---	---	PASS
	total	5510	14.42	≤17.97	---	---	PASS
	Ant1	5550	12.96	≤20.98	---	---	PASS
	Ant2	5550	13.21	≤20.98	---	---	PASS
	total	5550	16.10	≤17.97	---	---	PASS
	Ant1	5670	8.92	≤20.98	---	---	PASS
	Ant2	5670	10.19	≤20.98	---	---	PASS
	total	5670	12.61	≤17.97	---	---	PASS
	Ant1	5755	7.46	≤27.00	---	---	PASS
	Ant2	5755	9.70	≤27.00	---	---	PASS
	total	5755	11.73	≤23.99	---	---	PASS
	Ant1	5795	7.79	≤27.00	---	---	PASS
	Ant2	5795	10.00	≤27.00	---	---	PASS
	total	5795	12.04	≤23.99	---	---	PASS
11AC80-MIMO	Ant1	5210	3.34	---	12.34	≤18.00	PASS
	Ant2	5210	2.80	---	11.80	≤18.00	PASS
	total	5210	6.09	---	15.09	≤18.00	PASS
	Ant1	5290	14.21	≤20.98	---	---	PASS
	Ant2	5290	14.46	≤20.98	---	---	PASS
	total	5290	17.35	≤17.97	---	---	PASS
	Ant1	5530	14.60	≤20.98	---	---	PASS
	Ant2	5530	14.88	≤20.98	---	---	PASS
	total	5530	17.75	≤17.97	---	---	PASS
	Ant1	5610	14.45	≤20.98	---	---	PASS
	Ant2	5610	14.73	≤20.98	---	---	PASS
	total	5610	17.60	≤17.97	---	---	PASS

	Ant1	5775	5.23	≤27.00	---	---	PASS
	Ant2	5775	8.11	≤27.00	---	---	PASS
	total	5775	9.91	≤23.99	---	---	PASS

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving. (5G working with 802.11a has CDD mode)
When ANT.1 and ANT. 2 transmitting simultaneously, and the
Directional Gain=9.0dBi＞6dBi. (Ant.1: 9.0dBi; Ant.2: 9.0dBi) For U-NII-1: 5180MHz-5240MHz
Directional Gain=12.01dBi＞6dBi. (Ant.1: 9.0dBi; Ant.2: 9.0dBi) For U-NII-2A: 5260MHz-5320MHz
Directional Gain=12.01dBi＞6dBi. (Ant.1: 9.0dBi; Ant.2: 9.0dBi) For U-NII-2C: 5500MHz-5700MHz
Directional Gain=12.01dBi＞6dBi. (Ant.1: 9.0dBi; Ant.2: 9.0dBi) For U-NII-3: 5745MHz-5825MHz
So Pout = Plimit-(GTX-6)]=(21.00-3.0)dBm =18.00dBm For U-NII-1: 5180MHz-5240MHz
So Pout = Plimit-(GTX-6)]=(23.98-6.01)dBm =17.97dBm For U-NII-2A: 5260MHz-5320MHz
So Pout = Plimit-(GTX-6)]=(23.98-6.01)dBm =17.97dBm For U-NII-2C: 5500MHz-5700MHz
So Pout = Plimit-(GTX-6)]=(30-6.01)dBm=23.99dBm For U-NII-3: 5745MHz-5825MHz

Directional Gain=ANT. Gain+10*LOG(NANT)

The Duty Cycle Factor is compensated in the graph.

5. Maximum power spectral density

5.1.Test Result

TestMode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A-CDD	Ant1	5180	-6.79	---	2.21	≤14.00	PASS
	Ant2	5180	-7.93	---	1.07	≤14.00	PASS
	total	5180	-4.31	---	7.70	≤14.00	PASS
	Ant1	5200	-6.12	---	2.88	≤14.00	PASS
	Ant2	5200	-7.14	---	1.86	≤14.00	PASS
	total	5200	-3.59	---	8.42	≤14.00	PASS
	Ant1	5240	-6.59	---	2.41	≤14.00	PASS
	Ant2	5240	-7.47	---	1.53	≤14.00	PASS
	total	5240	-4.00	---	8.01	≤14.00	PASS
	Ant1	5260	0.83	≤8.00	---	---	PASS
	Ant2	5260	0.32	≤8.00	---	---	PASS
	total	5260	3.59	≤4.99	---	---	PASS
	Ant1	5280	1.19	≤8.00	---	---	PASS
	Ant2	5280	0.84	≤8.00	---	---	PASS
	total	5280	4.03	≤4.99	---	---	PASS
	Ant1	5320	0.36	≤8.00	---	---	PASS
	Ant2	5320	0.74	≤8.00	---	---	PASS
	total	5320	3.56	≤4.99	---	---	PASS
	Ant1	5500	0.35	≤8.00	---	---	PASS
	Ant2	5500	0.88	≤8.00	---	---	PASS
	total	5500	3.63	≤4.99	---	---	PASS
	Ant1	5580	1.13	≤8.00	---	---	PASS
	Ant2	5580	1.23	≤8.00	---	---	PASS
	total	5580	4.19	≤4.99	---	---	PASS
	Ant1	5700	-2.92	≤8.00	---	---	PASS
	Ant2	5700	-1.74	≤8.00	---	---	PASS
	total	5700	0.72	≤4.99	---	---	PASS
	Ant1	5745	-6.85	≤27.00	---	---	PASS
	Ant2	5745	-5.12	≤27.00	---	---	PASS
	total	5745	-2.89	≤23.99	---	---	PASS
	Ant1	5785	-5.68	≤27.00	---	---	PASS
	Ant2	5785	-3.75	≤27.00	---	---	PASS
	total	5785	-1.60	≤23.99	---	---	PASS
	Ant1	5825	-5.09	≤27.00	---	---	PASS
	Ant2	5825	-2.62	≤27.00	---	---	PASS
	total	5825	-0.67	≤23.99	---	---	PASS
11N20-MIMO	Ant1	5180	-7.29	---	1.71	≤14.00	PASS
	Ant2	5180	-8.63	---	0.37	≤14.00	PASS
	total	5180	-4.90	---	4.1	≤14.00	PASS
	Ant1	5200	-7.01	---	1.99	≤14.00	PASS

	Ant2	5200	-7.41	---	1.59	≤14.00	PASS
	total	5200	-4.20	---	4.8	≤14.00	PASS
	Ant1	5240	-7.40	---	1.60	≤14.00	PASS
	Ant2	5240	-8.15	---	0.85	≤14.00	PASS
	total	5240	-4.75	---	4.25	≤14.00	PASS
	Ant1	5260	0.98	≤8.00	---	---	PASS
	Ant2	5260	0.25	≤8.00	---	---	PASS
	total	5260	3.64	≤4.99	---	---	PASS
	Ant1	5280	0.33	≤8.00	---	---	PASS
	Ant2	5280	-0.19	≤8.00	---	---	PASS
	total	5280	3.09	≤4.99	---	---	PASS
	Ant1	5320	0.44	≤8.00	---	---	PASS
	Ant2	5320	0.61	≤8.00	---	---	PASS
	total	5320	3.54	≤4.99	---	---	PASS
	Ant1	5500	-0.60	≤8.00	---	---	PASS
	Ant2	5500	0.64	≤8.00	---	---	PASS
	total	5500	3.07	≤4.99	---	---	PASS
	Ant1	5580	1.34	≤8.00	---	---	PASS
	Ant2	5580	1.22	≤8.00	---	---	PASS
	total	5580	4.29	≤4.99	---	---	PASS
	Ant1	5700	-2.17	≤8.00	---	---	PASS
	Ant2	5700	-2.67	≤8.00	---	---	PASS
	total	5700	0.60	≤4.99	---	---	PASS
	Ant1	5745	-6.61	≤27.00	---	---	PASS
	Ant2	5745	-5.56	≤27.00	---	---	PASS
	total	5745	-3.04	≤23.99	---	---	PASS
	Ant1	5785	-6.82	≤27.00	---	---	PASS
	Ant2	5785	-3.99	≤27.00	---	---	PASS
	total	5785	-2.17	≤23.99	---	---	PASS
	Ant1	5825	-5.76	≤27.00	---	---	PASS
	Ant2	5825	-3.22	≤27.00	---	---	PASS
	total	5825	-1.30	≤23.99	---	---	PASS
11N40-MIMO	Ant1	5190	-9.88	---	-0.88	≤14.00	PASS
	Ant2	5190	-11.15	---	-2.15	≤14.00	PASS
	total	5190	-7.46	---	1.54	≤14.00	PASS
	Ant1	5230	-9.47	---	-0.47	≤14.00	PASS
	Ant2	5230	-10.30	---	-1.30	≤14.00	PASS
	total	5230	-6.85	---	2.15	≤14.00	PASS
	Ant1	5270	-0.13	≤8.00	---	---	PASS
	Ant2	5270	-0.50	≤8.00	---	---	PASS
	total	5270	2.70	≤4.99	---	---	PASS
	Ant1	5310	0.31	≤8.00	---	---	PASS
	Ant2	5310	0.13	≤8.00	---	---	PASS
	total	5310	3.23	≤4.99	---	---	PASS
	Ant1	5510	-0.38	≤8.00	---	---	PASS

	Ant2	5510	-0.56	≤8.00	---	---	PASS
	total	5510	2.54	≤4.99	---	---	PASS
	Ant1	5550	0.06	≤8.00	---	---	PASS
	Ant2	5550	0.21	≤8.00	---	---	PASS
	total	5550	3.15	≤4.99	---	---	PASS
	Ant1	5670	-4.21	≤8.00	---	---	PASS
	Ant2	5670	-3.15	≤8.00	---	---	PASS
	total	5670	-0.64	≤4.99	---	---	PASS
	Ant1	5755	-8.42	≤27.00	---	---	PASS
	Ant2	5755	-6.83	≤27.00	---	---	PASS
	total	5755	-4.54	≤23.99	---	---	PASS
	Ant1	5795	-9.97	≤27.00	---	---	PASS
	Ant2	5795	-7.33	≤27.00	---	---	PASS
	total	5795	-5.44	≤23.99	---	---	PASS
11AC20-MIMO	Ant1	5180	-7.75	---	1.25	≤14.00	PASS
	Ant2	5180	-8.31	---	0.69	≤14.00	PASS
	total	5180	-5.01	---	3.99	≤14.00	PASS
	Ant1	5200	-6.80	---	2.20	≤14.00	PASS
	Ant2	5200	-8.04	---	0.96	≤14.00	PASS
	total	5200	-4.37	---	4.63	≤14.00	PASS
	Ant1	5240	-7.37	---	1.63	≤14.00	PASS
	Ant2	5240	-8.20	---	0.80	≤14.00	PASS
	total	5240	-4.75	---	4.25	≤14.00	PASS
	Ant1	5260	1.33	≤8.00	---	---	PASS
	Ant2	5260	0.86	≤8.00	---	---	PASS
	total	5260	4.11	≤4.99	---	---	PASS
	Ant1	5280	0.68	≤8.00	---	---	PASS
	Ant2	5280	0.48	≤8.00	---	---	PASS
	total	5280	3.59	≤4.99	---	---	PASS
	Ant1	5320	1.17	≤8.00	---	---	PASS
	Ant2	5320	1.28	≤8.00	---	---	PASS
	total	5320	4.24	≤4.99	---	---	PASS
	Ant1	5500	-0.58	≤8.00	---	---	PASS
	Ant2	5500	0.68	≤8.00	---	---	PASS
	total	5500	3.11	≤4.99	---	---	PASS
	Ant1	5580	1.69	≤8.00	---	---	PASS
	Ant2	5580	1.88	≤8.00	---	---	PASS
	total	5580	4.80	≤4.99	---	---	PASS
	Ant1	5700	-2.12	≤8.00	---	---	PASS
	Ant2	5700	-2.65	≤8.00	---	---	PASS
	total	5700	0.63	≤4.99	---	---	PASS
	Ant1	5745	-6.53	≤27.00	---	---	PASS
	Ant2	5745	-5.66	≤27.00	---	---	PASS
	total	5745	-3.06	≤23.99	---	---	PASS
	Ant1	5785	-6.59	≤27.00	---	---	PASS

	Ant2	5785	-4.11	≤27.00	---	---	PASS
	total	5785	-2.17	≤23.99	---	---	PASS
	Ant1	5825	-5.74	≤27.00	---	---	PASS
	Ant2	5825	-3.19	≤27.00	---	---	PASS
	total	5825	-1.27	≤23.99	---	---	PASS
11AC40-MIMO	Ant1	5190	-9.87	---	-0.87	≤14.00	PASS
	Ant2	5190	-11.15	---	-2.15	≤14.00	PASS
	total	5190	-7.45	---	1.55	≤14.00	PASS
	Ant1	5230	-9.18	---	-0.18	≤14.00	PASS
	Ant2	5230	-10.52	---	-1.52	≤14.00	PASS
	total	5230	-6.79	---	2.21	≤14.00	PASS
	Ant1	5270	0.99	≤8.00	---	---	PASS
	Ant2	5270	0.73	≤8.00	---	---	PASS
	total	5270	3.87	≤4.99	---	---	PASS
	Ant1	5310	0.26	≤8.00	---	---	PASS
	Ant2	5310	0.29	≤8.00	---	---	PASS
	total	5310	3.29	≤4.99	---	---	PASS
	Ant1	5510	-2.49	≤8.00	---	---	PASS
	Ant2	5510	-2.58	≤8.00	---	---	PASS
	total	5510	0.48	≤4.99	---	---	PASS
	Ant1	5550	-1.10	≤8.00	---	---	PASS
	Ant2	5550	-0.77	≤8.00	---	---	PASS
	total	5550	2.08	≤4.99	---	---	PASS
	Ant1	5670	-4.70	≤8.00	---	---	PASS
	Ant2	5670	-3.42	≤8.00	---	---	PASS
	total	5670	-0.12	≤4.99	---	---	PASS
	Ant1	5755	-8.44	≤27.00	---	---	PASS
	Ant2	5755	-6.79	≤27.00	---	---	PASS
	total	5755	-4.53	≤23.99	---	---	PASS
	Ant1	5795	-9.82	≤27.00	---	---	PASS
	Ant2	5795	-7.49	≤27.00	---	---	PASS
	total	5795	-5.49	≤23.99	---	---	PASS
11AC80-MIMO	Ant1	5210	-12.78	---	-3.78	≤14.00	PASS
	Ant2	5210	-13.98	---	-4.98	≤14.00	PASS
	total	5210	-10.33	---	-1.33	≤14.00	PASS
	Ant1	5290	-2.82	≤8.00	---	---	PASS
	Ant2	5290	-2.88	≤8.00	---	---	PASS
	total	5290	0.16	≤4.99	---	---	PASS
	Ant1	5530	-2.90	≤8.00	---	---	PASS
	Ant2	5530	-2.64	≤8.00	---	---	PASS
	total	5530	0.24	≤4.99	---	---	PASS
	Ant1	5610	-2.89	≤8.00	---	---	PASS
	Ant2	5610	-2.51	≤8.00	---	---	PASS
	total	5610	0.31	≤4.99	---	---	PASS
	Ant1	5775	-13.96	≤27.00	---	---	PASS

	Ant2	5775	-11.69	≤27.00	---	---	PASS
	total	5775	-9.67	≤23.99	---	---	PASS

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving. (5G working with 802.11a has CDD mode)
When ANT.1 and ANT. 2 transmitting simultaneously, and the
Directional Gain=9.0dBi＞6dBi. (Ant.1: 9.0dBi; Ant.2: 9.0dBi) For U-NII-1: 5180MHz-5240MHz
Directional Gain=12.01dBi＞6dBi. (Ant.1: 9.0dBi; Ant.2: 9.0dBi) For U-NII-2A: 5260MHz-5320MHz
Directional Gain=12.01dBi＞6dBi. (Ant.1: 9.0dBi; Ant.2: 9.0dBi) For U-NII-2C: 5500MHz-5700MHz
Directional Gain=12.01dBi＞6dBi. (Ant.1: 9.0dBi; Ant.2: 9.0dBi) For U-NII-3: 5745MHz-5825MHz
So $PSD_{out} = PSD_{limit}-(G_{TX}-6)]$=(17-3)dBm/MHz =14dBm/MHz For U-NII-1: 5180MHz-5240MHz
So $PSD_{out} = PSD_{limit}-(G_{TX}-6)]$=(11-6.01)dBm/MHz =4.99dBm/MHz For U-NII-2A: 5260MHz-5320MHz
So $PSD_{out} = PSD_{limit}-(G_{TX}-6)]$=(11-6.01)dBm/MHz=4.99dBm/MHz For U-NII-2C: 5500MHz-5700MHz
So $PSD_{out} = PSD_{limit}-(G_{TX}-6)]$=(30-6.01)dBm/500kHz=23.99dBm/500kHz For U-NII-3: 5745MHz-5825MHz

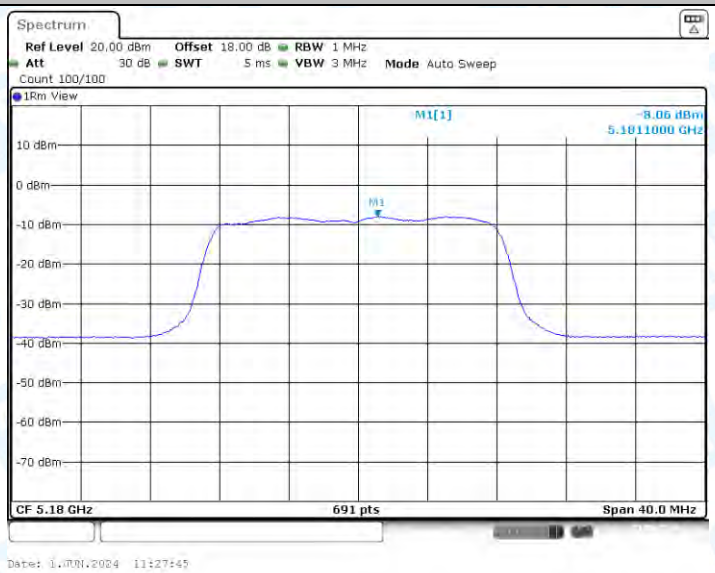
Directional Gain=ANT. Gain+10*LOG(NANT)

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

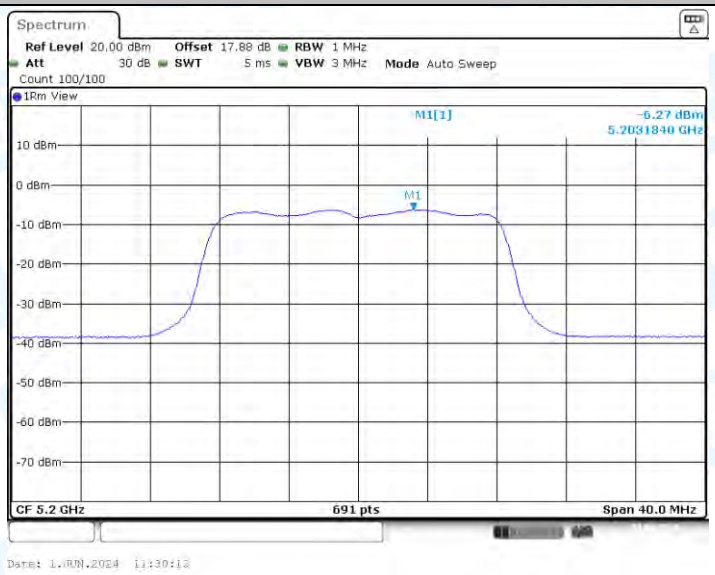
5.2.Test Graphs

11A-CDD_Ant1_5180

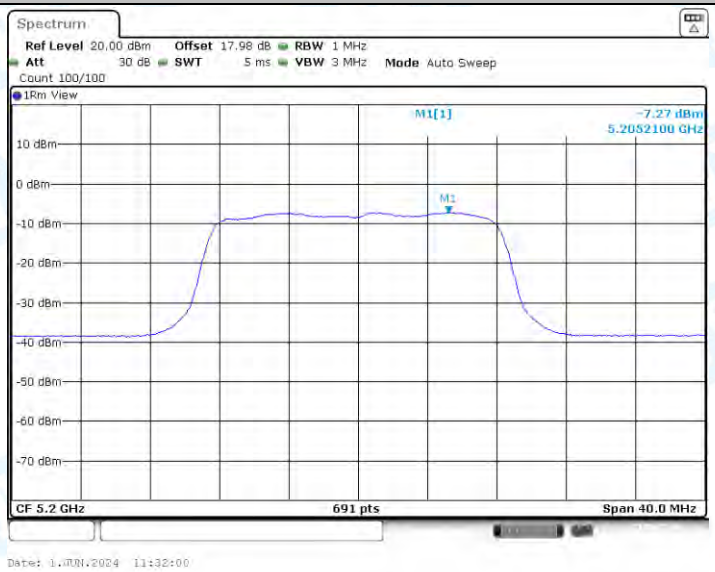
11A-CDD_Ant2_5180



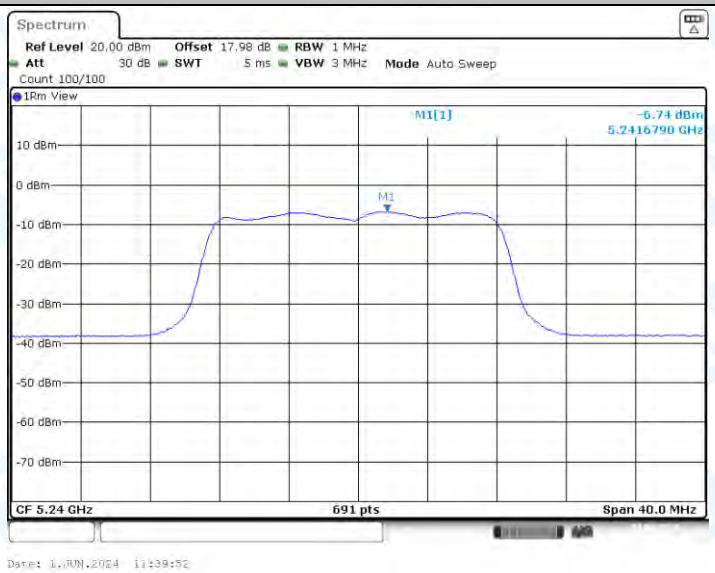
11A-CDD_Ant1_5200



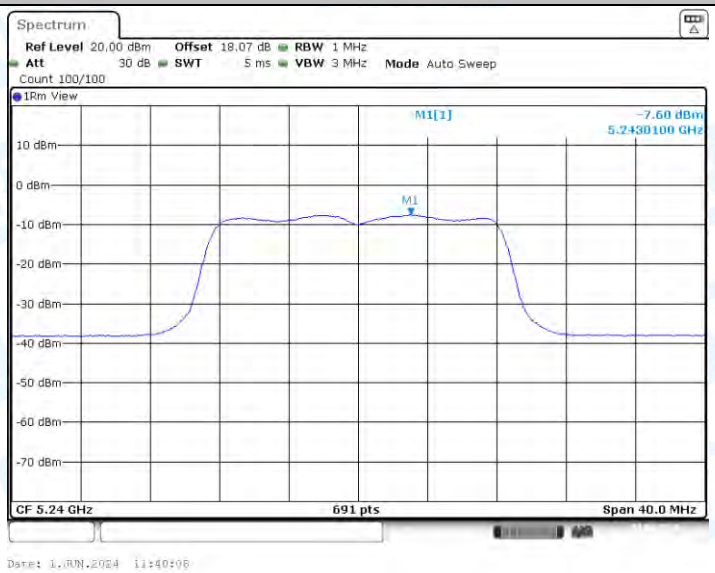
11A-CDD_Ant2_5200



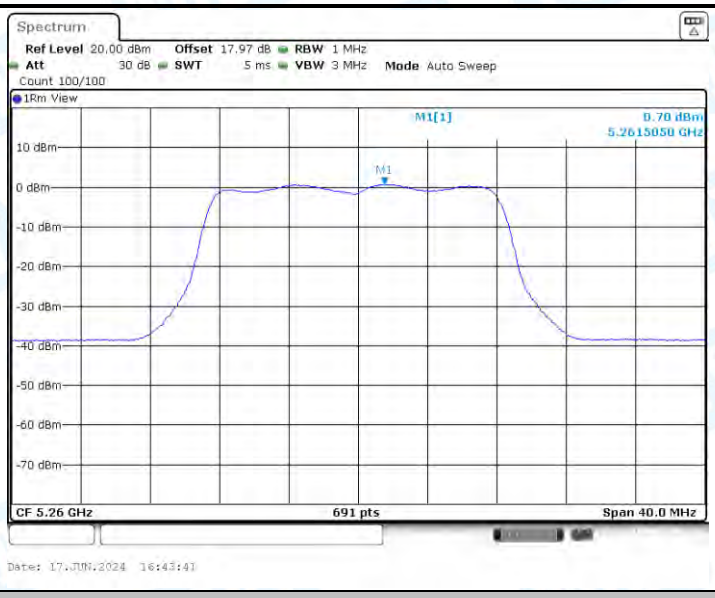
11A-CDD_Ant1_5240



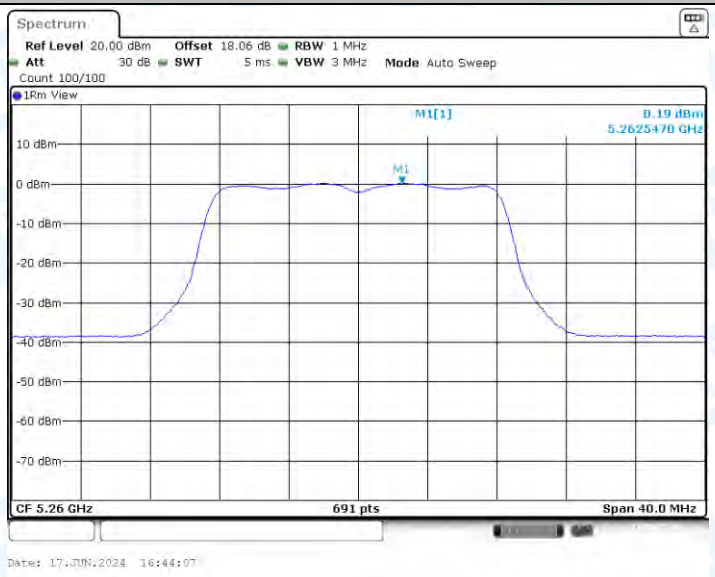
11A-CDD_Ant2_5240



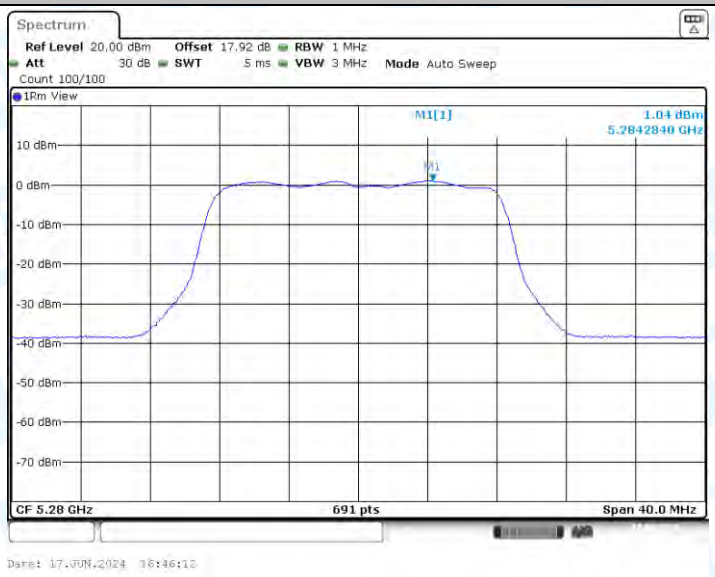
11A-CDD_Ant1_5260



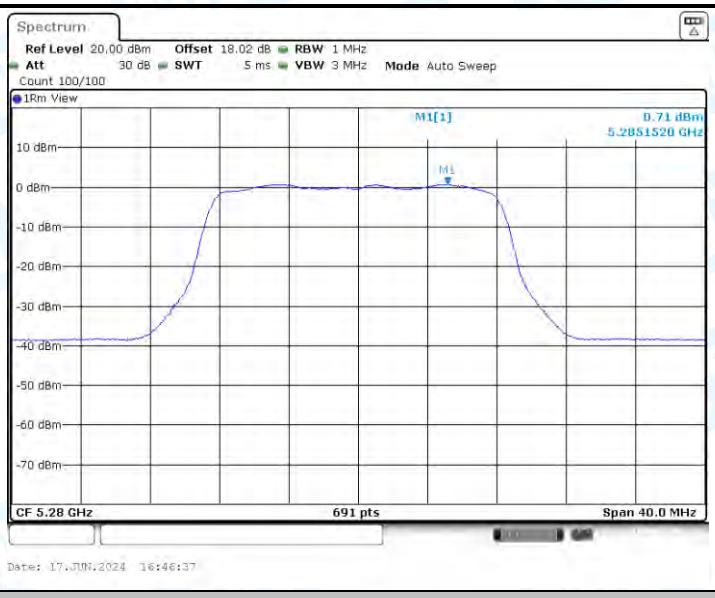
11A-CDD_Ant2_5260



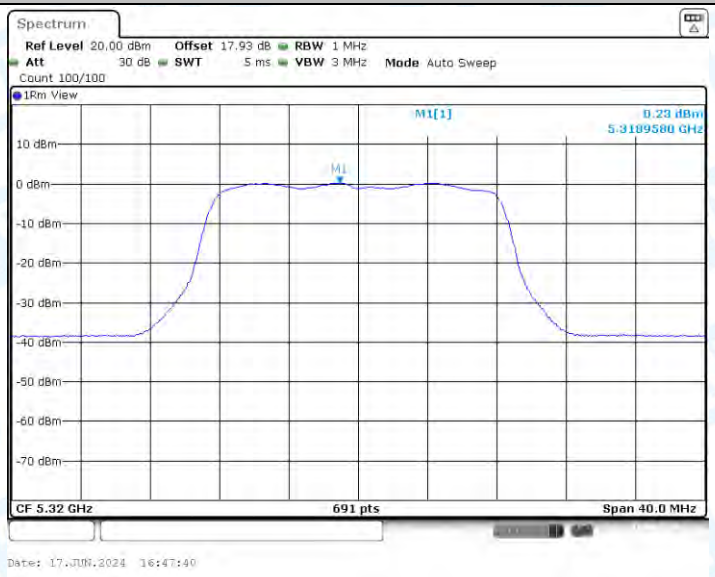
11A-CDD_Ant1_5280



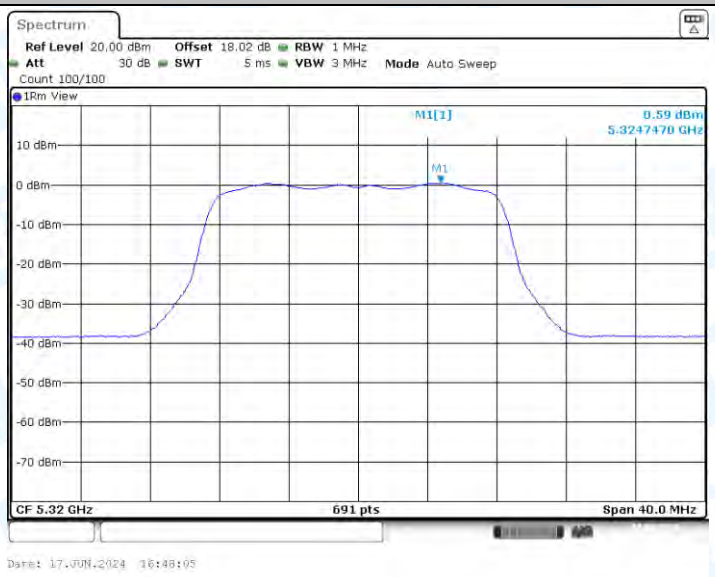
11A-CDD_Ant2_5280



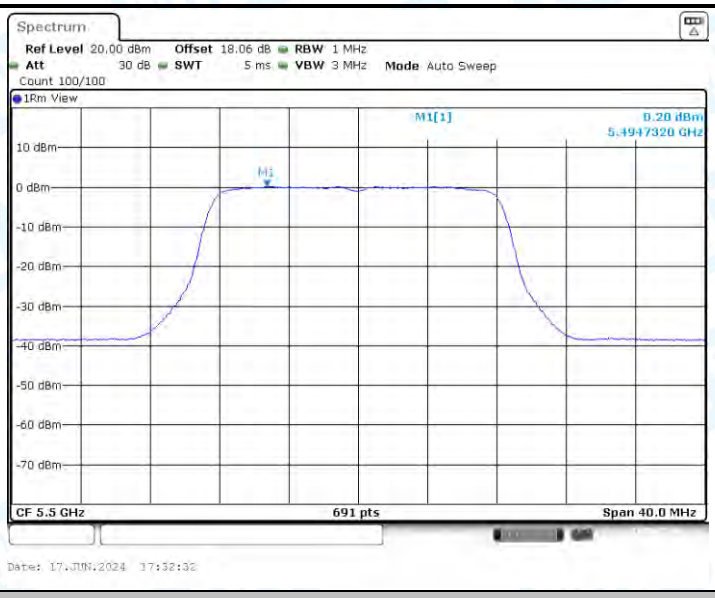
11A-CDD_Ant1_5320



11A-CDD_Ant2_5320

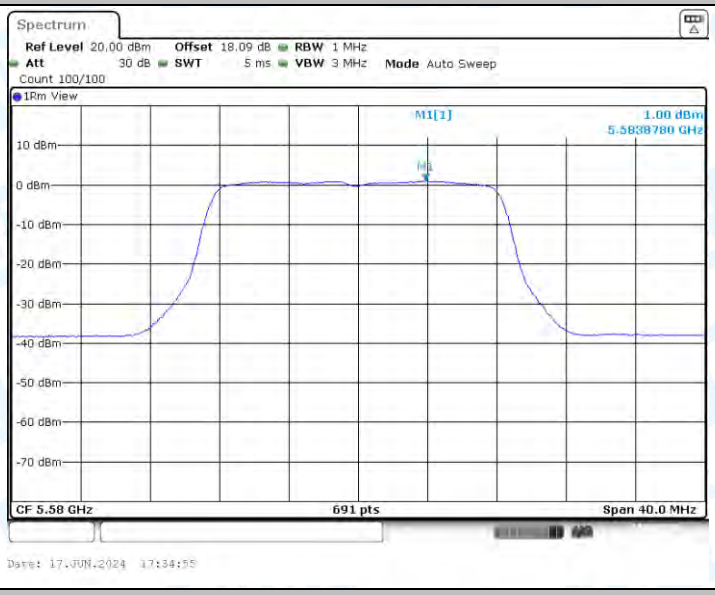


11A-CDD_Ant1_5500



11A-CDD_Ant2_5500

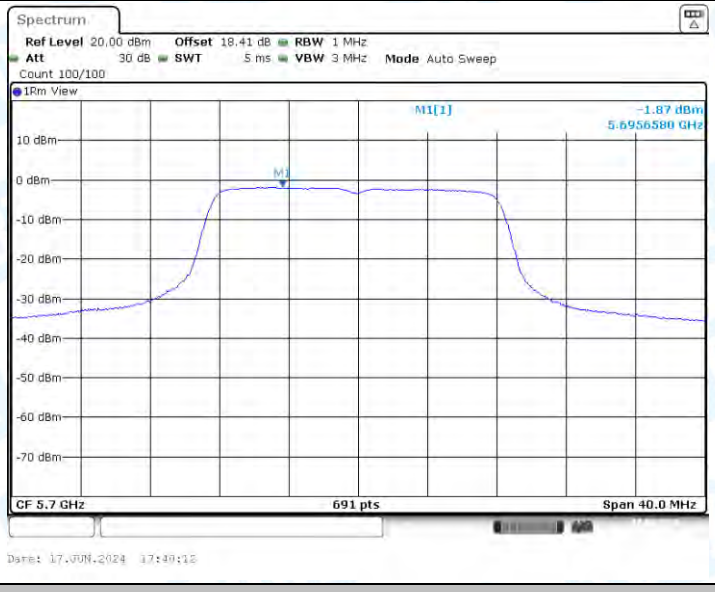
11A-CDD_Ant1_5580



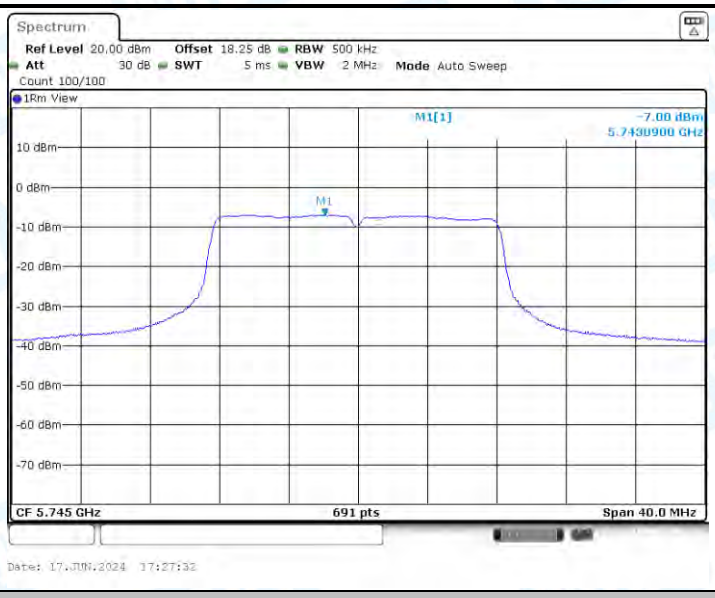
11A-CDD_Ant2_5580

11A-CDD_Ant1_5700

11A-CDD_Ant2_5700

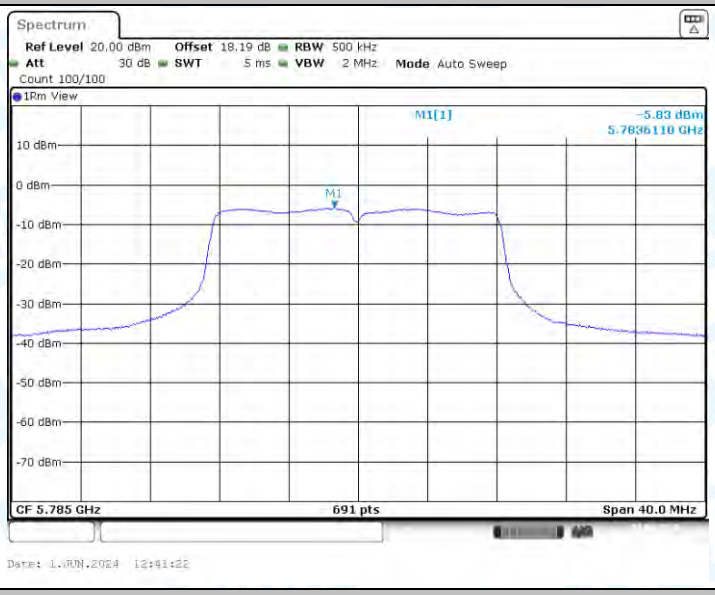


11A-CDD_Ant1_5745



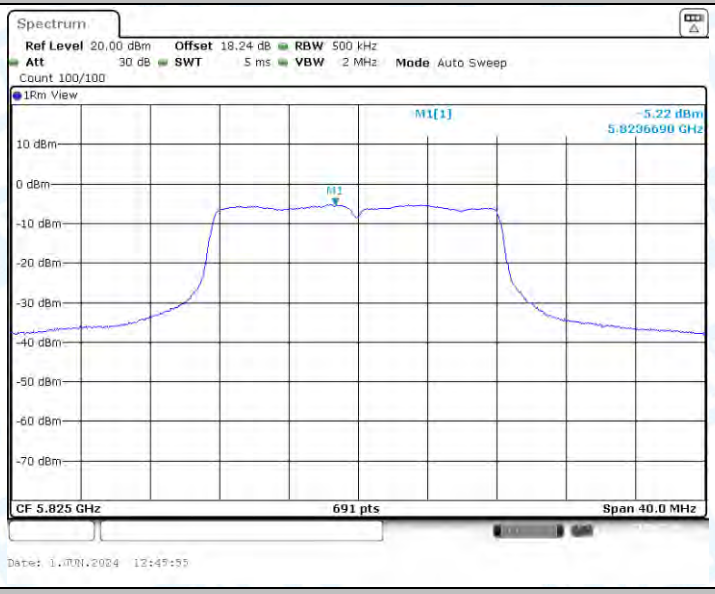
11A-CDD_Ant2_5745

11A-CDD_Ant1_5785

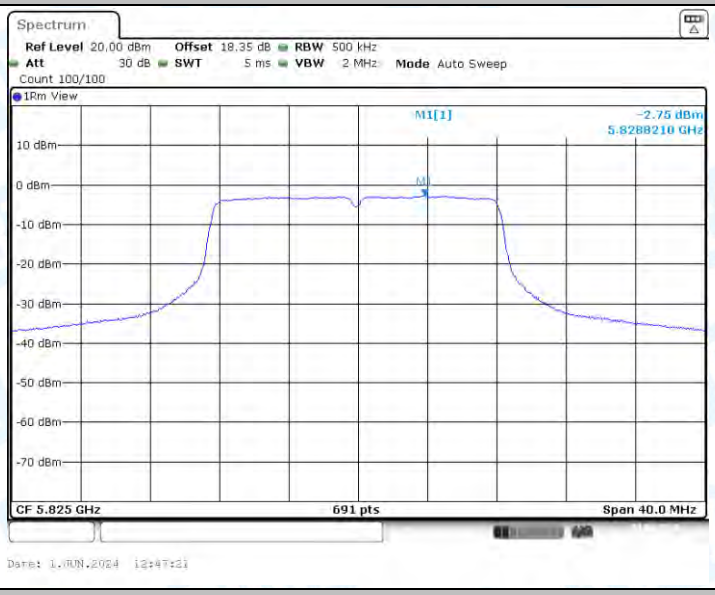


11A-CDD_Ant2_5785

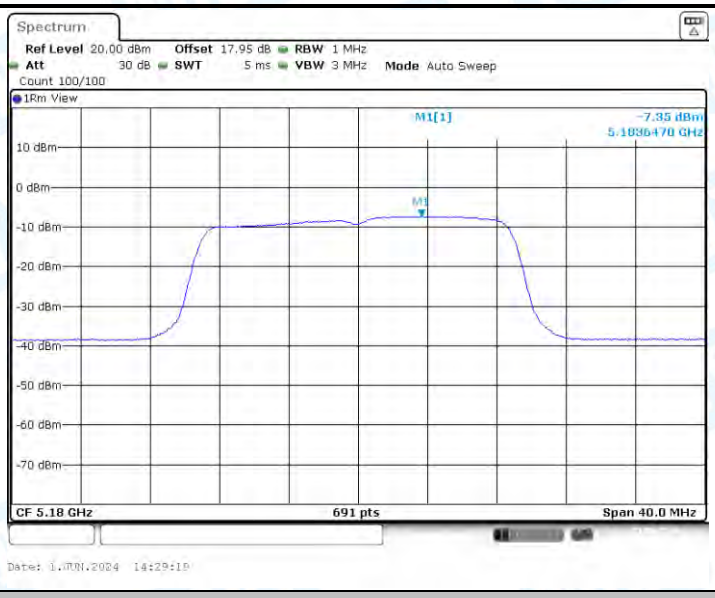
11A-CDD_Ant1_5825



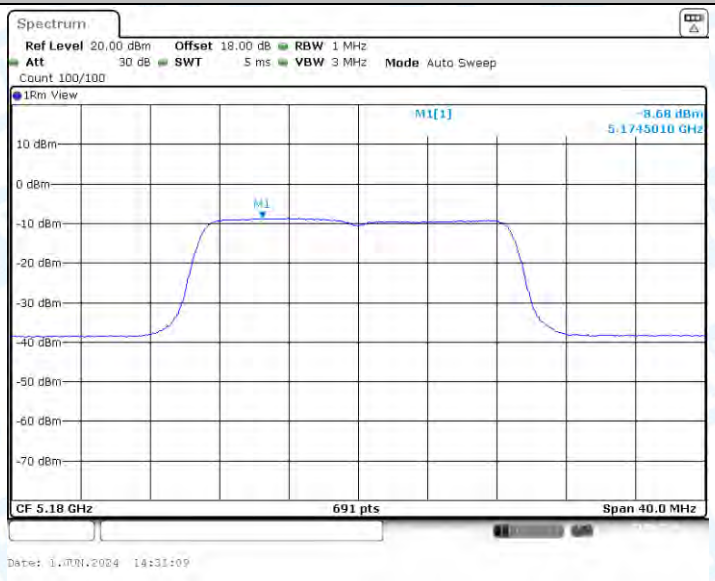
11A-CDD_Ant2_5825



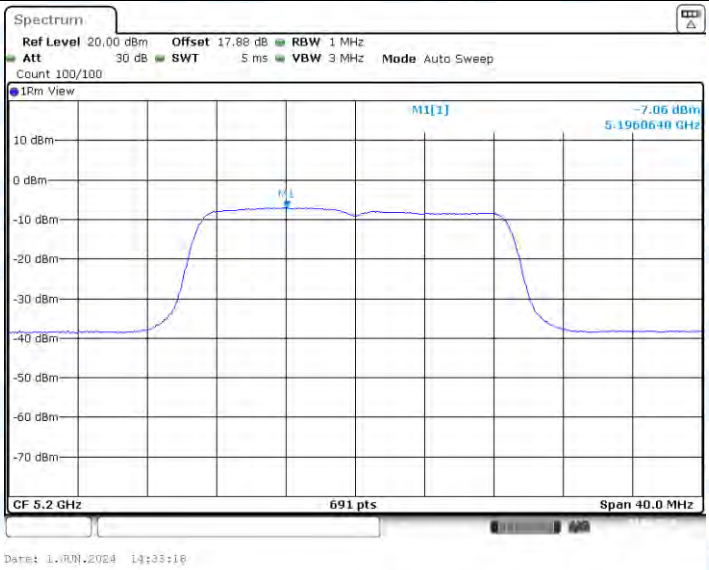
11N20-CDD_Ant1_5180



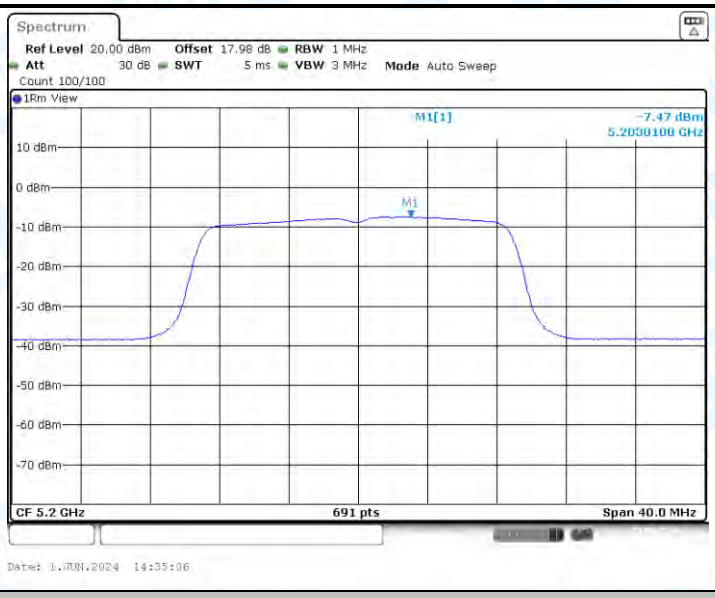
11N20-CDD_Ant2_5180



11N20-CDD_Ant1_5200

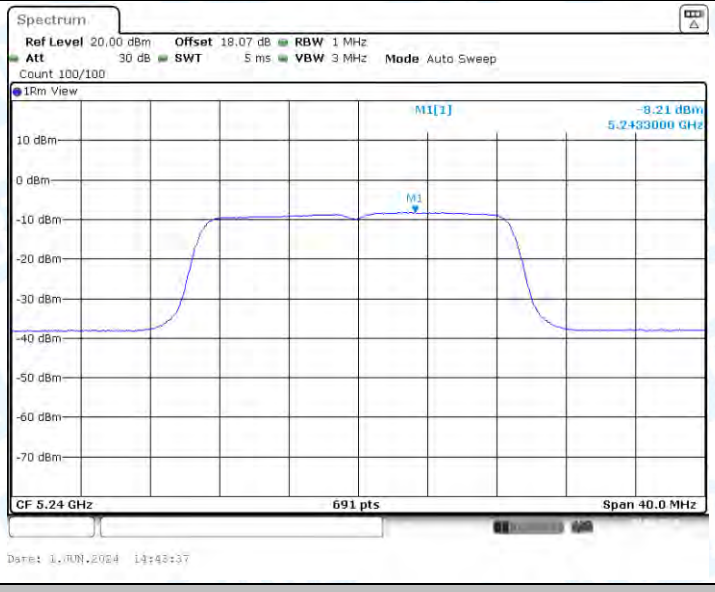


11N20-CDD_Ant2_5200

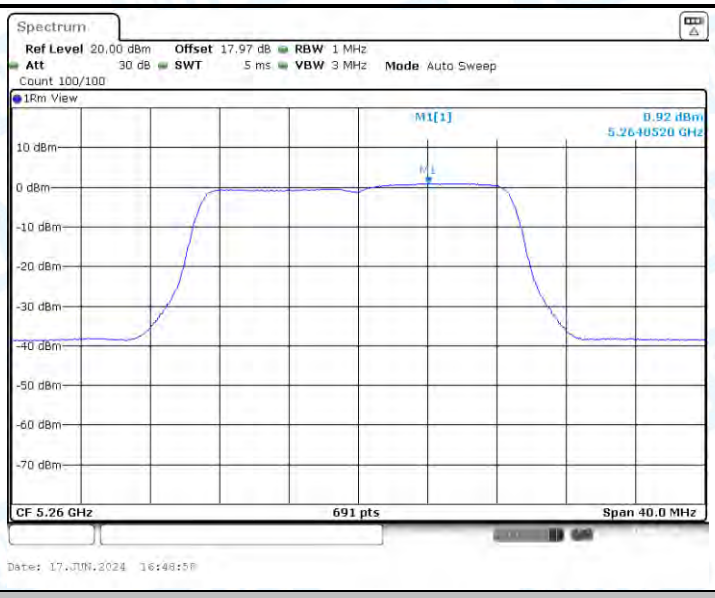


11N20-CDD_Ant1_5240

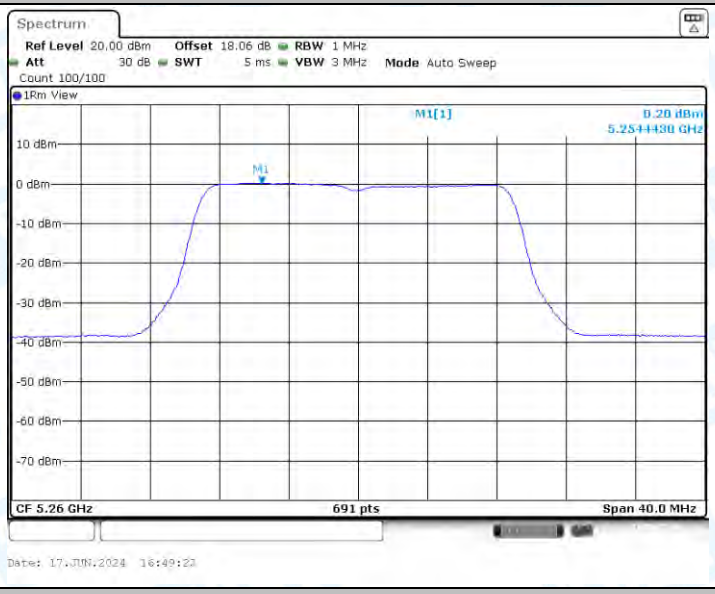
11N20-CDD_Ant2_5240



11N20-CDD_Ant1_5260

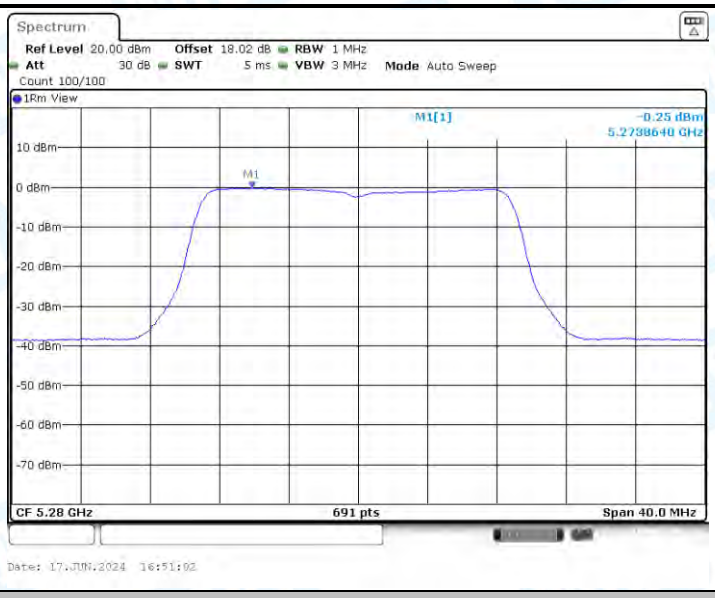


11N20-CDD_Ant2_5260



11N20-CDD_Ant1_5280

11N20-CDD_Ant2_5280



11N20-CDD_Ant1_5320

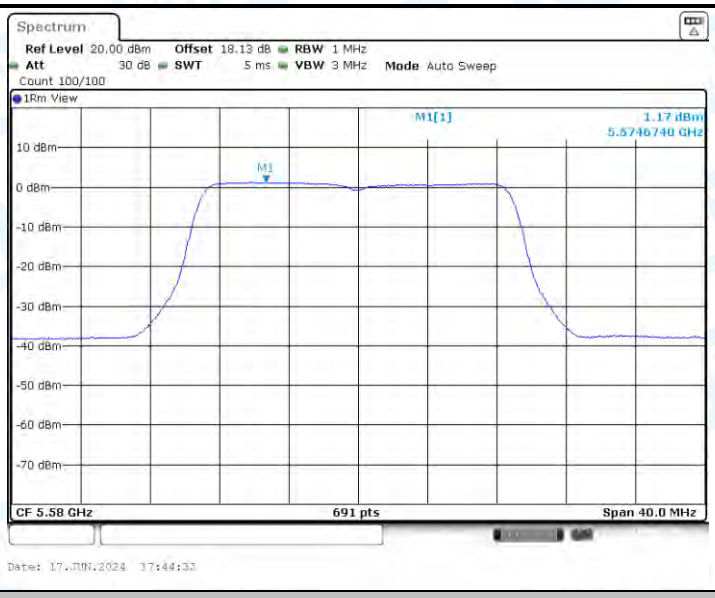
11N20-CDD_Ant2_5320

11N20-CDD_Ant1_5500

11N20-CDD_Ant2_5500

11N20-CDD_Ant1_5580

11N20-CDD_Ant2_5580

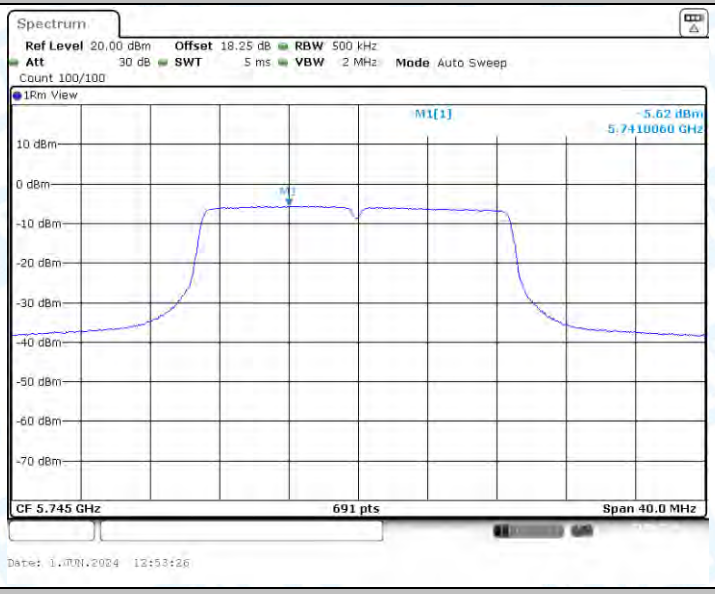


11N20-CDD_Ant1_5700

11N20-CDD_Ant2_5700

11N20-CDD_Ant1_5745

11N20-CDD_Ant2_5745



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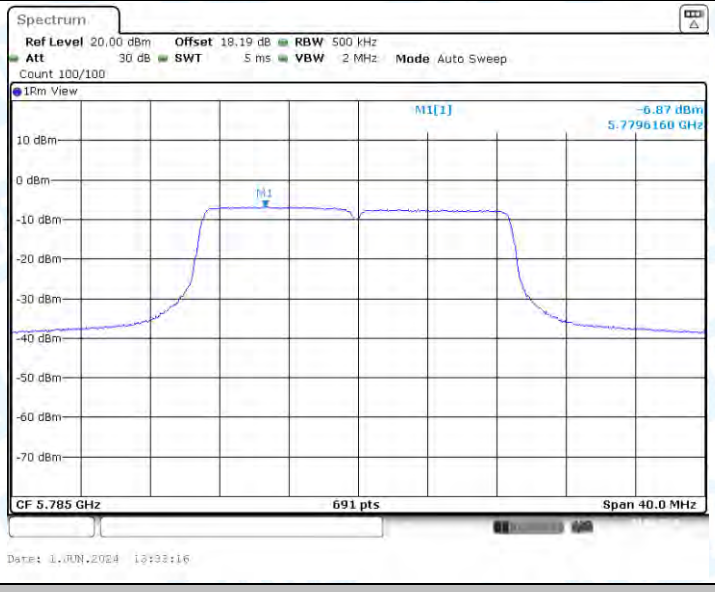

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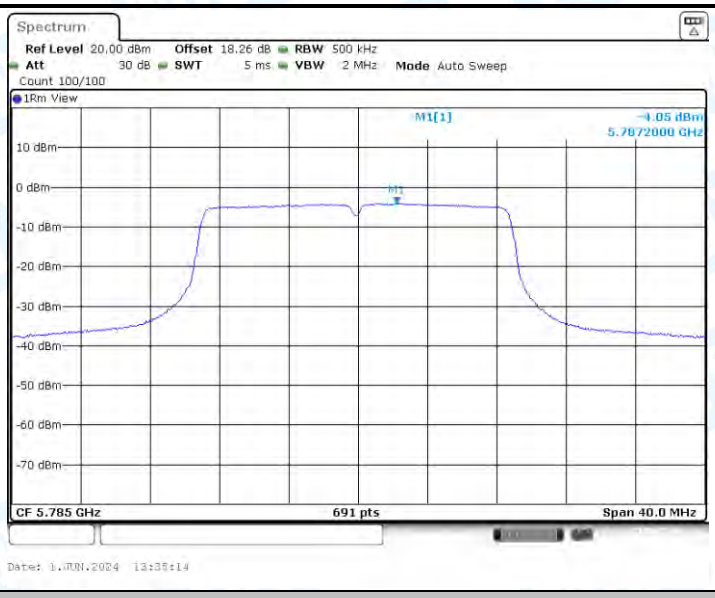
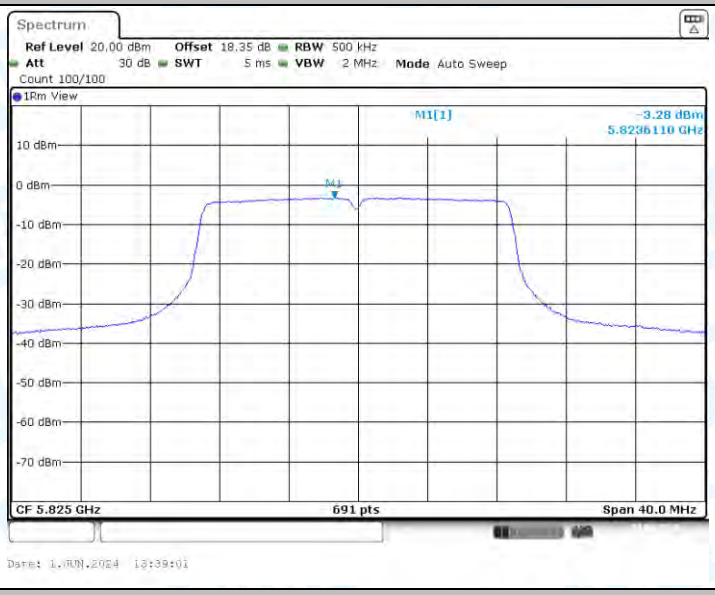
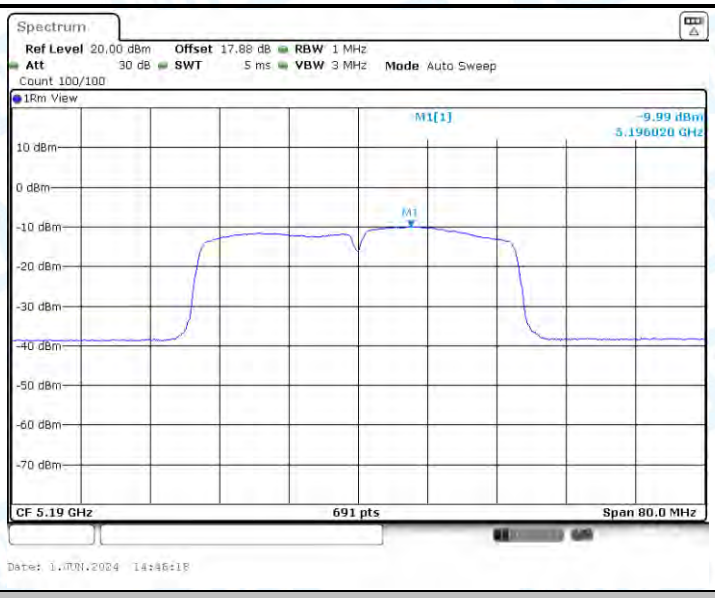


11N20-CDD_Ant1_5825

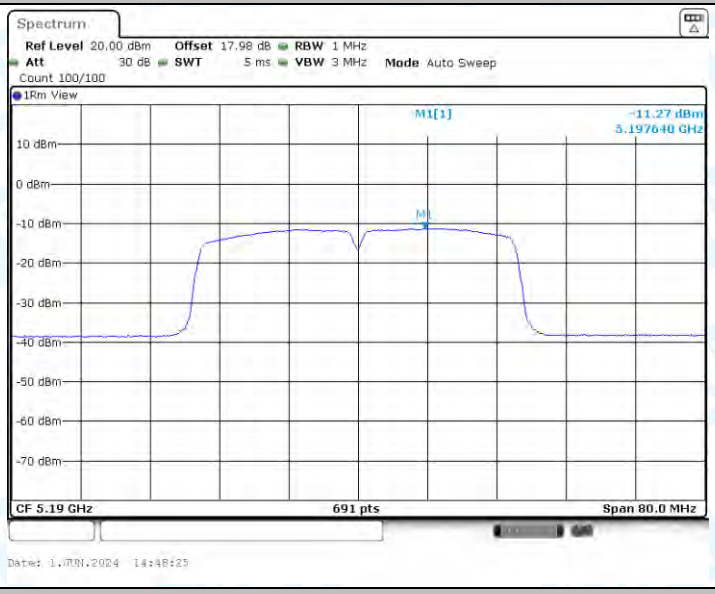
11N20-CDD_Ant2_5825



11N40-CDD_Ant1_5190



11N40-CDD_Ant2_5190



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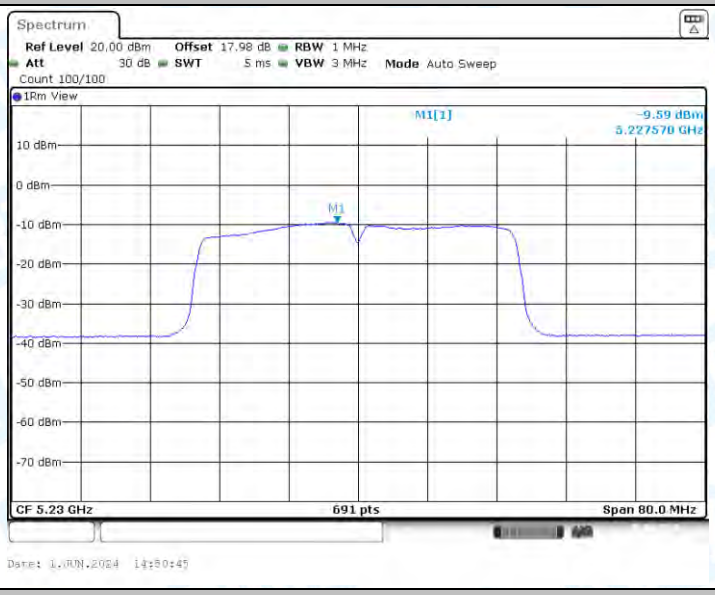
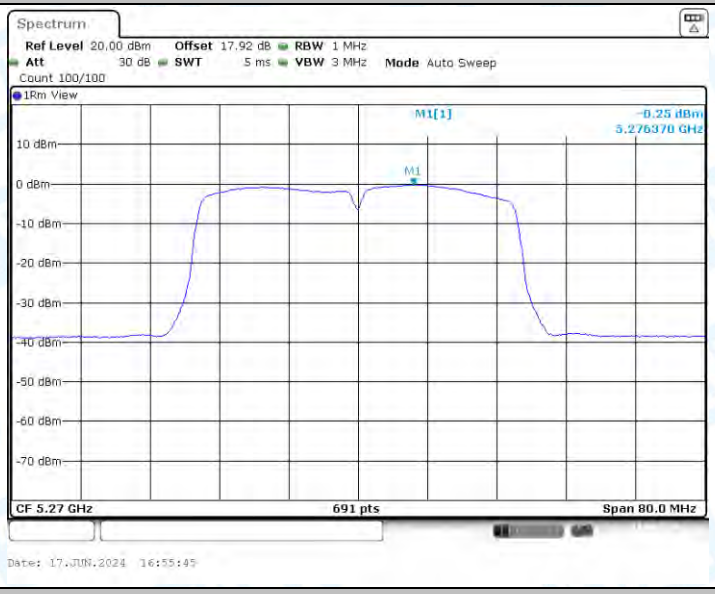
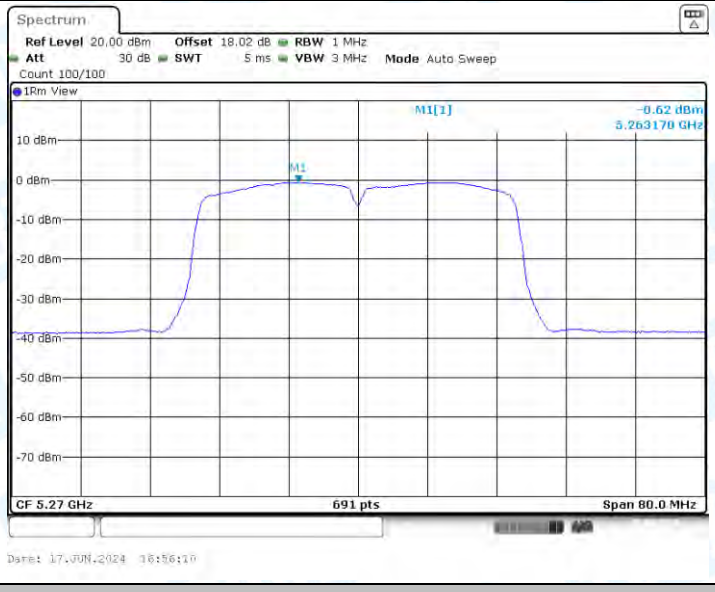


11N40-CDD_Ant2_5230

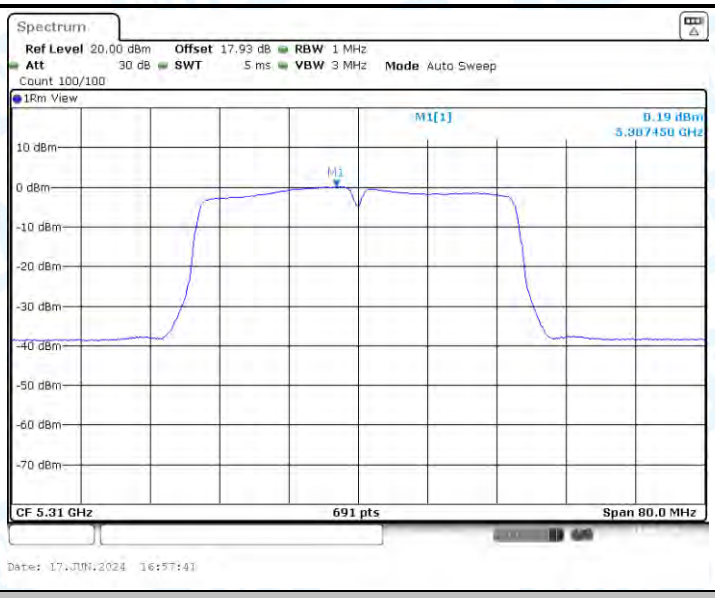
11N40-CDD_Ant1_5270



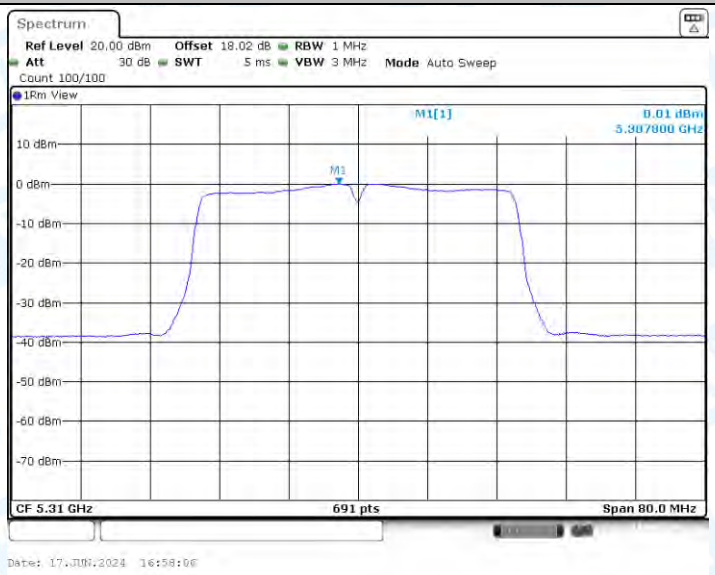
11N40-CDD_Ant2_5270



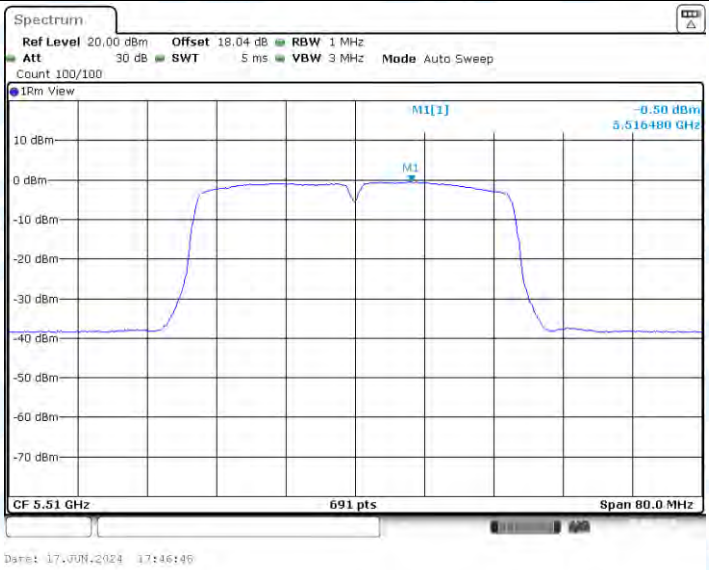
11N40-CDD_Ant1_5310



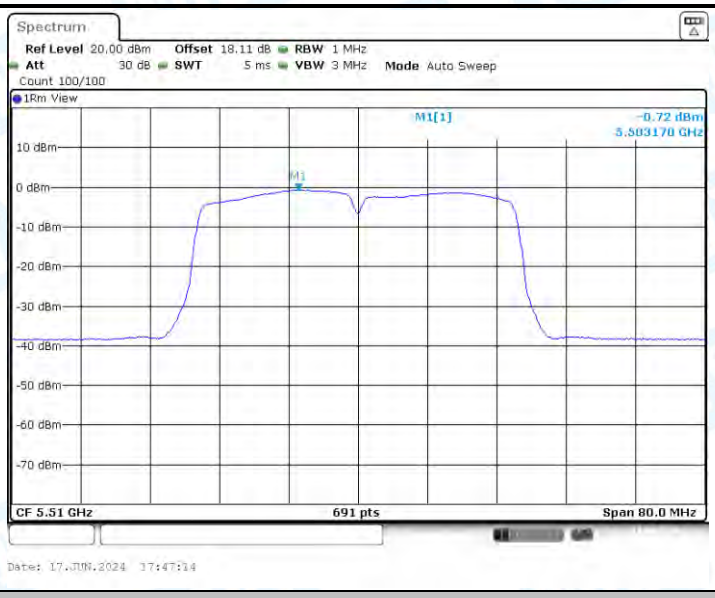
11N40-CDD_Ant2_5310



11N40-CDD_Ant1_5510

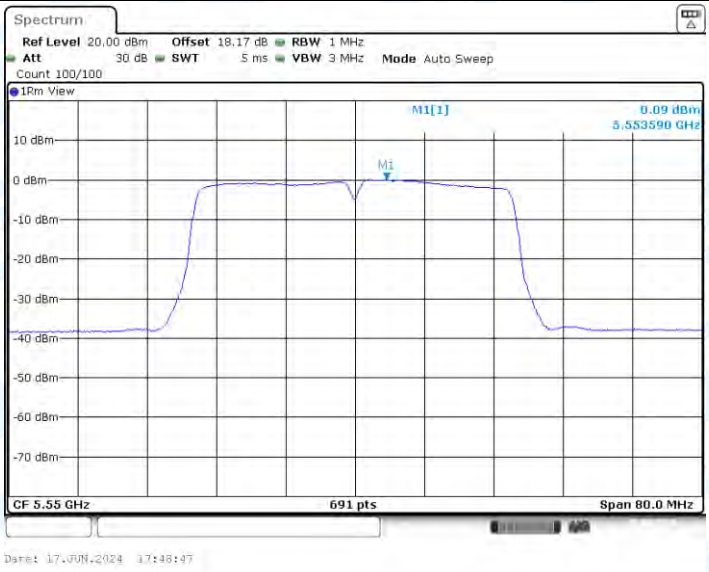


11N40-CDD_Ant2_5510



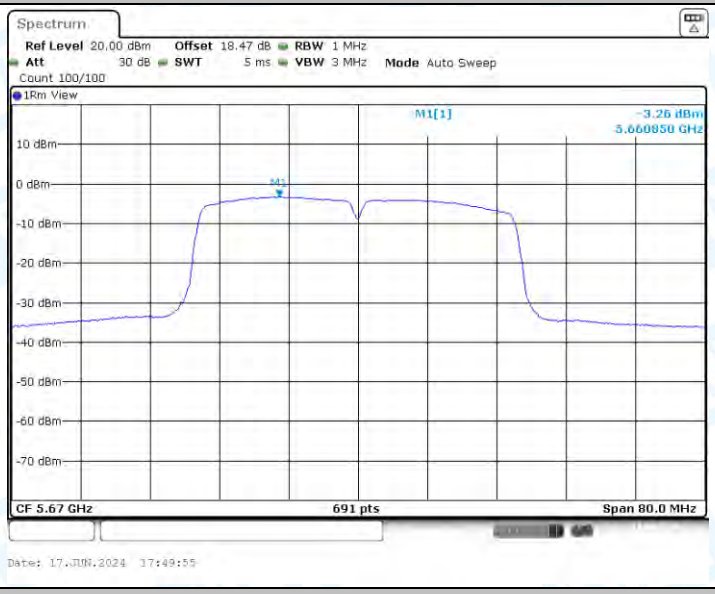
11N40-CDD_Ant1_5550

11N40-CDD_Ant2_5550

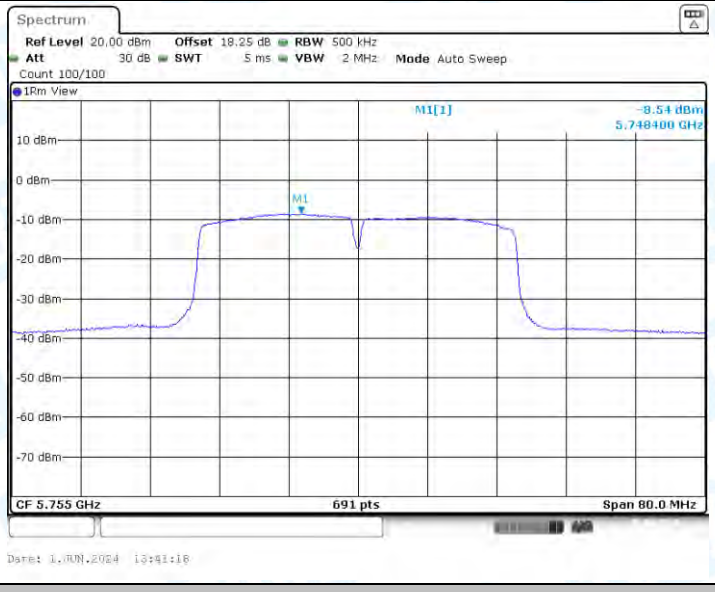


11N40-CDD_Ant1_5670

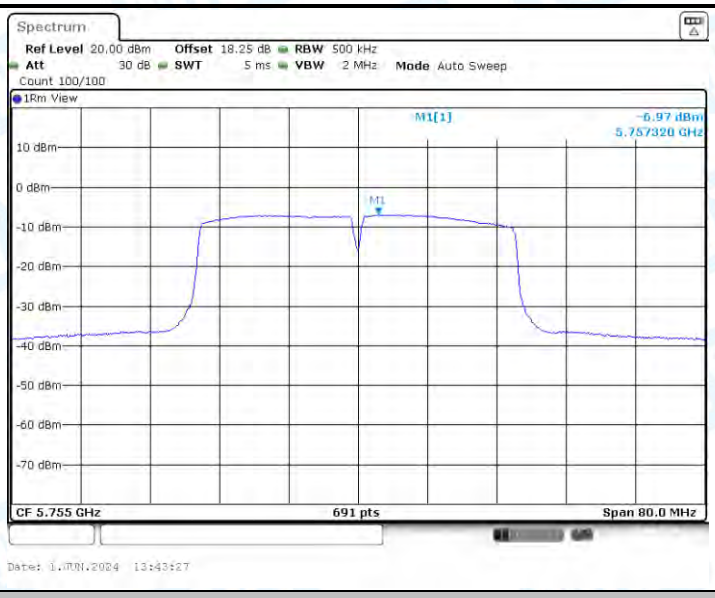
11N40-CDD_Ant2_5670



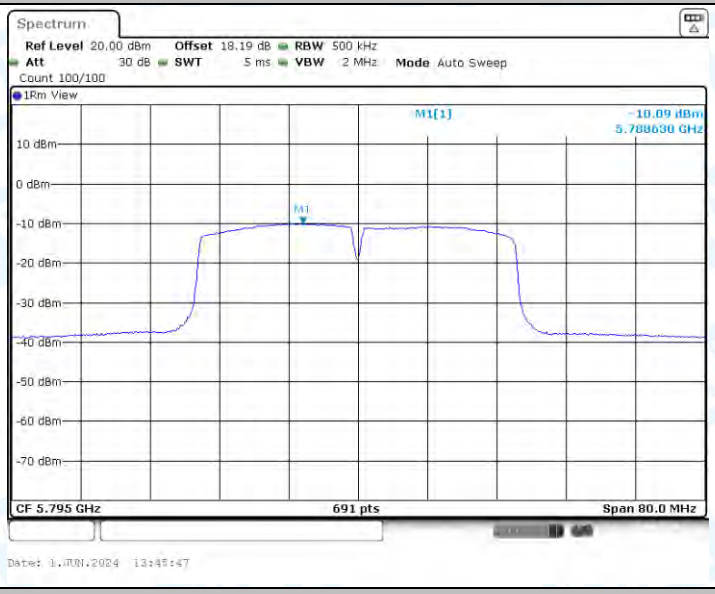
11N40-CDD_Ant1_5755



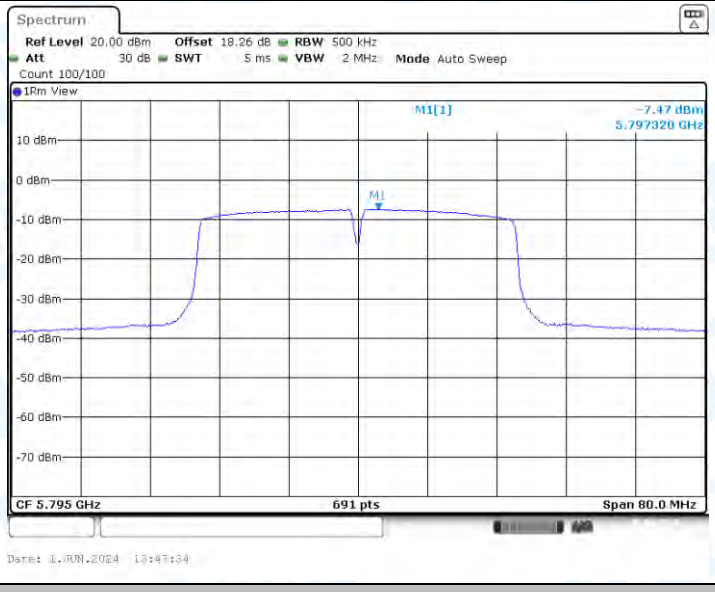
11N40-CDD_Ant2_5755



11N40-CDD_Ant1_5795



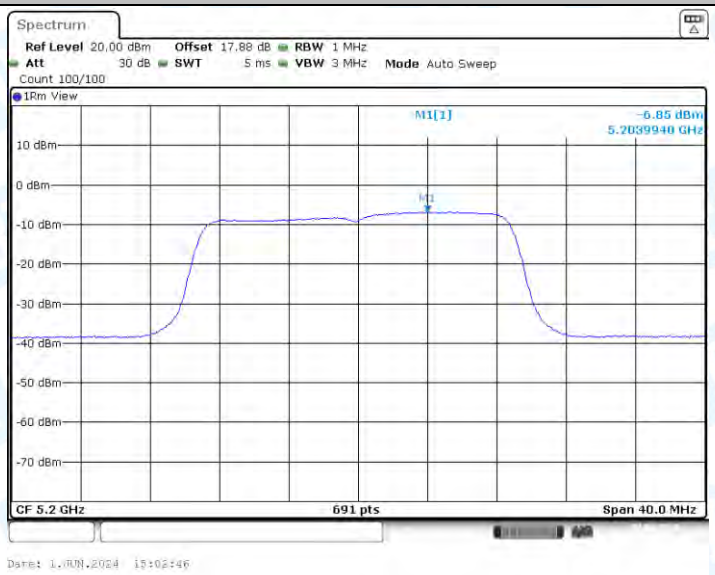
11N40-CDD_Ant2_5795



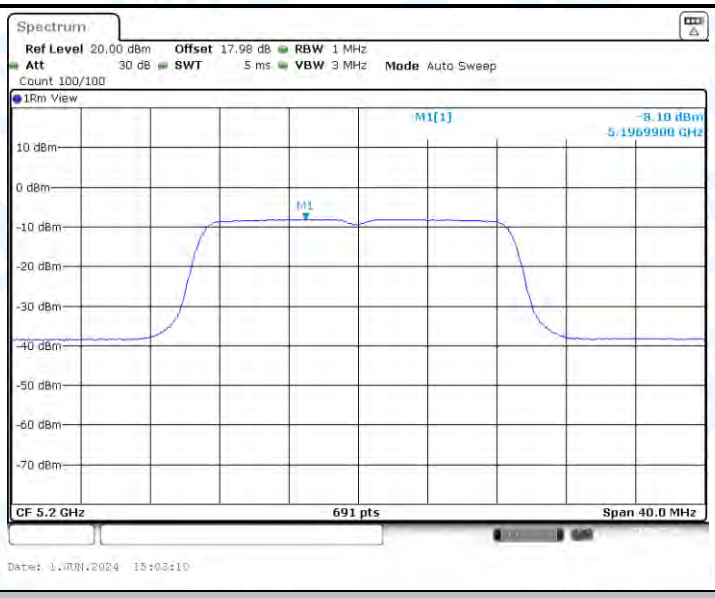
11AC20-CDD_Ant1_5180

11AC20-CDD_Ant2_5180

11AC20-CDD_Ant1_5200

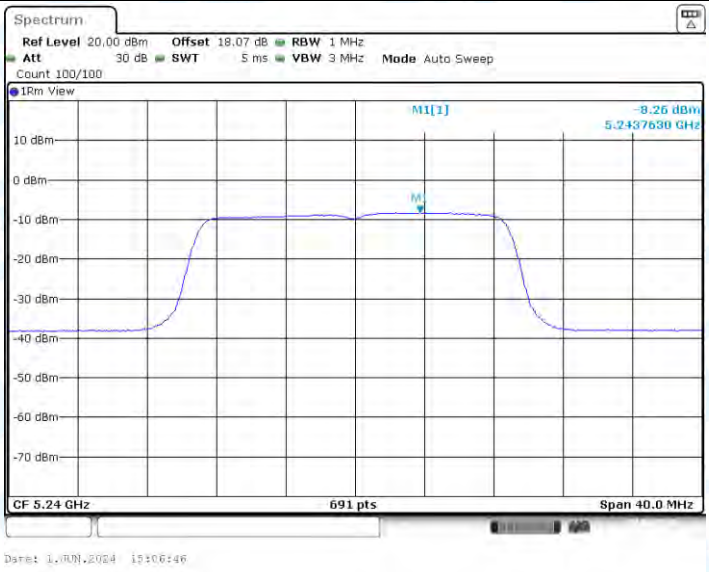


11AC20-CDD_Ant2_5200



11AC20-CDD_Ant1_5240

11AC20-CDD_Ant2_5240



11AC20-CDD_Ant1_5260

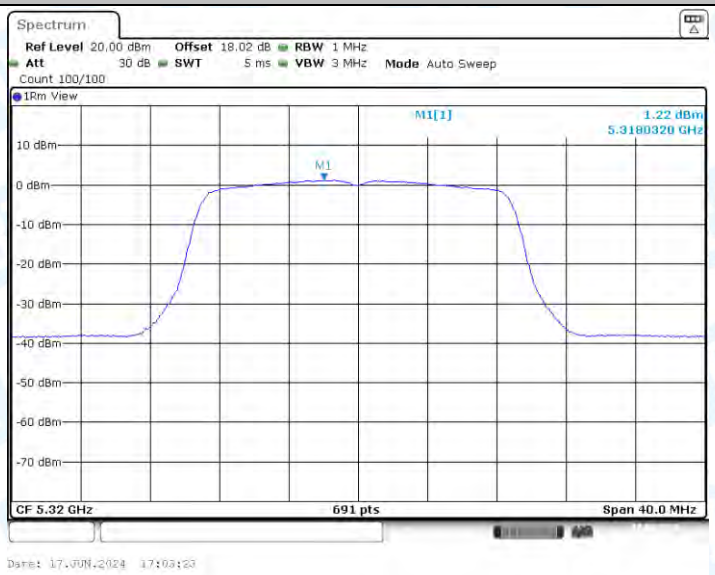
11AC20-CDD_Ant2_5260

11AC20-CDD_Ant1_5280

11AC20-CDD_Ant2_5280

11AC20-CDD_Ant1_5320

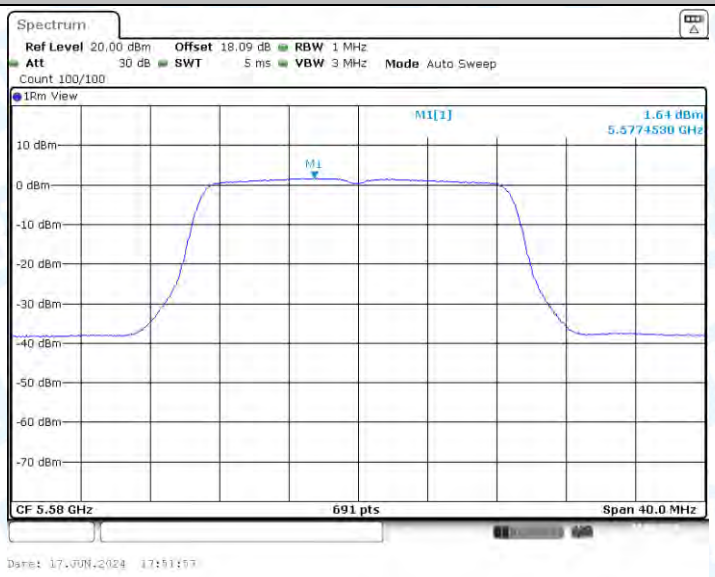
11AC20-CDD_Ant2_5320



11AC20-CDD_Ant1_5500

11AC20-CDD_Ant2_5500

11AC20-CDD_Ant1_5580

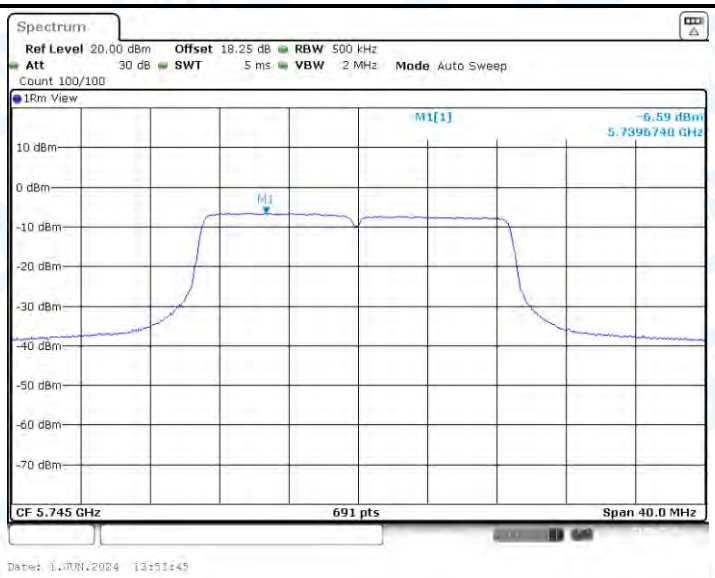


11AC20-CDD_Ant2_5580

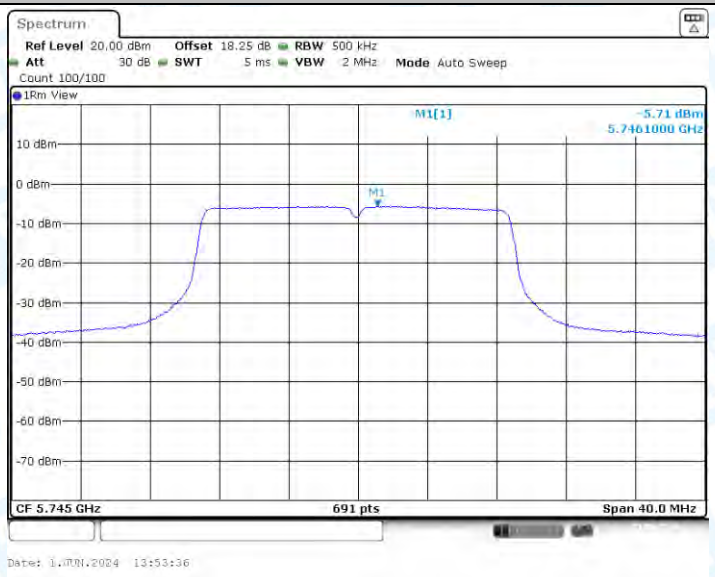
11AC20-CDD_Ant1_5700

11AC20-CDD_Ant2_5700

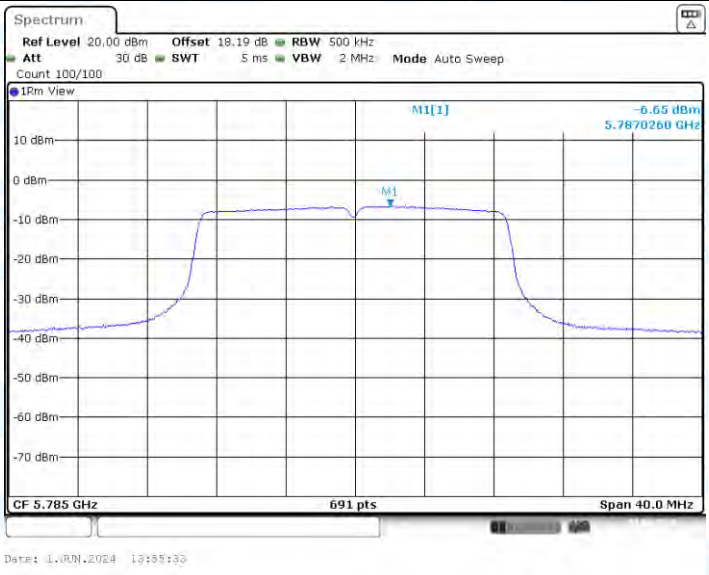
11AC20-CDD_Ant1_5745



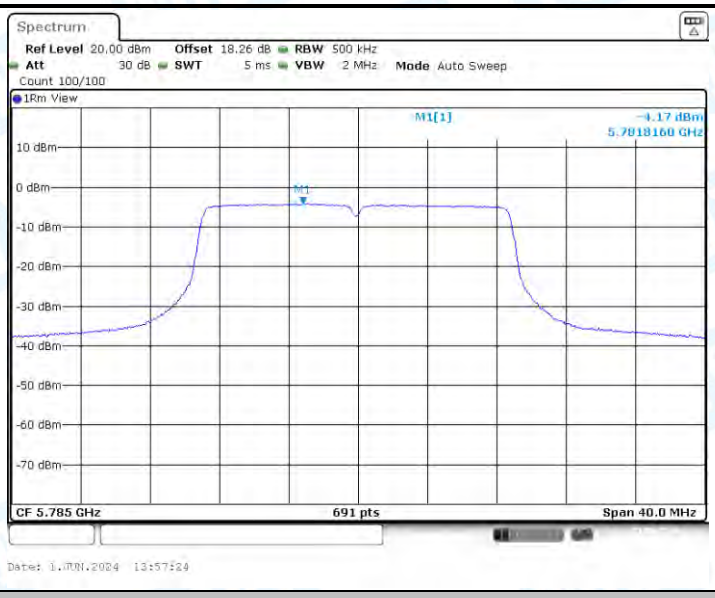
11AC20-CDD_Ant2_5745



11AC20-CDD_Ant1_5785



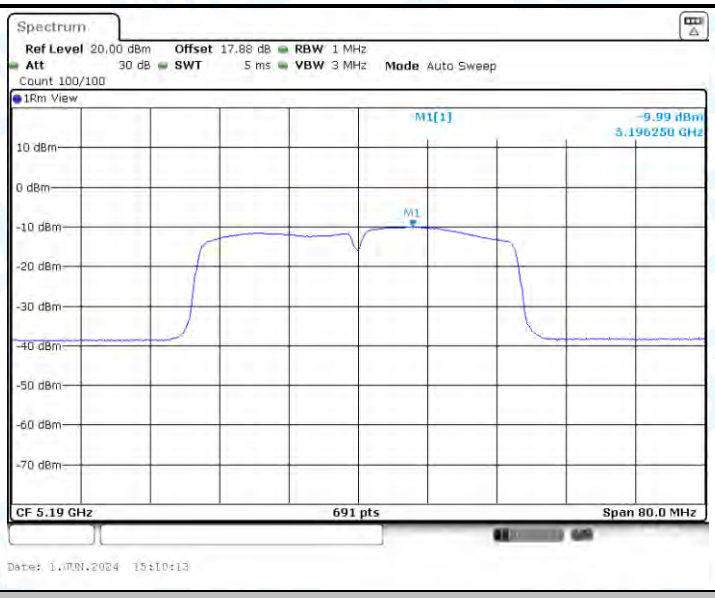
11AC20-CDD_Ant2_5785



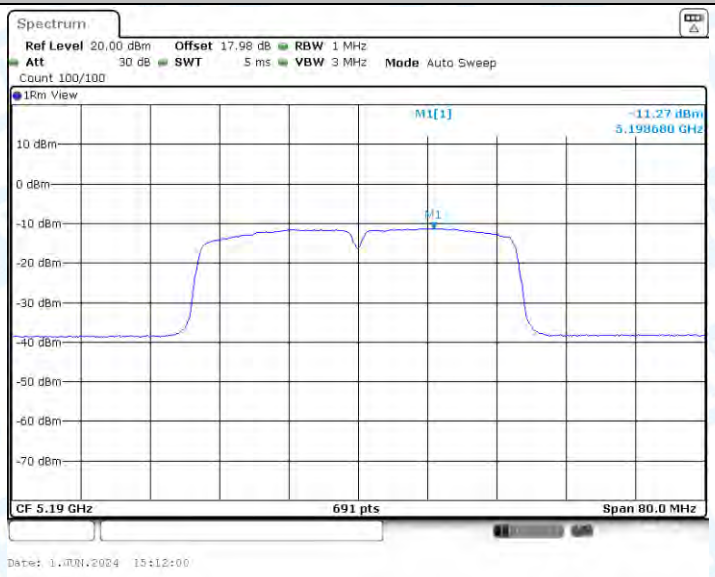
11AC20-CDD_Ant1_5825

11AC20-CDD_Ant2_5825

11AC40-CDD_Ant1_5190



11AC40-CDD_Ant2_5190

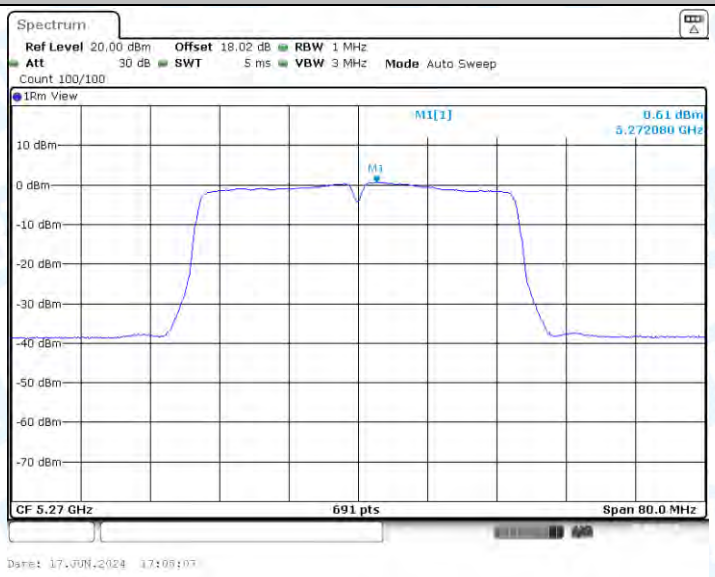


11AC40-CDD_Ant1_5230

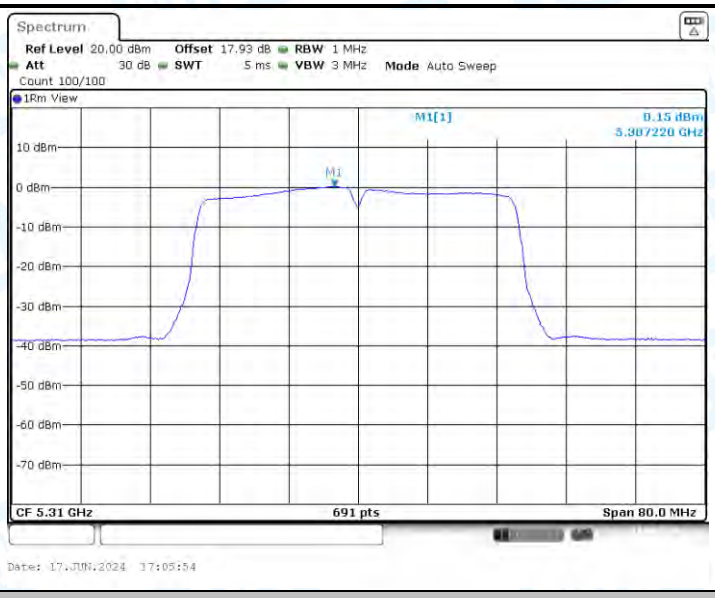
11AC40-CDD_Ant2_5230

11AC40-CDD_Ant1_5270

11AC40-CDD_Ant2_5270

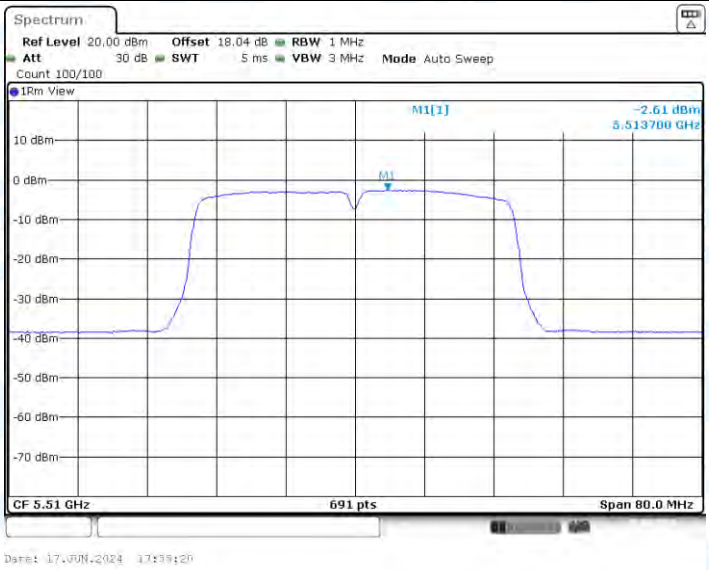


11AC40-CDD_Ant1_5310

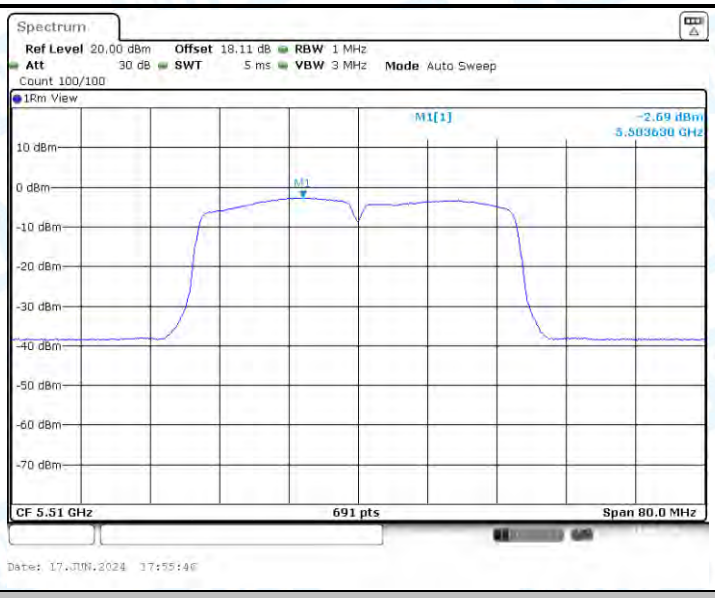


11AC40-CDD_Ant2_5310

11AC40-CDD_Ant1_5510

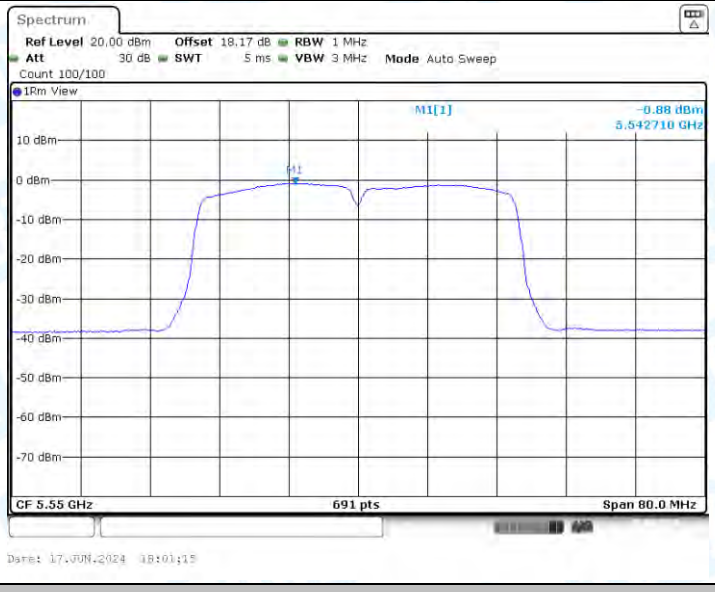


11AC40-CDD_Ant2_5510

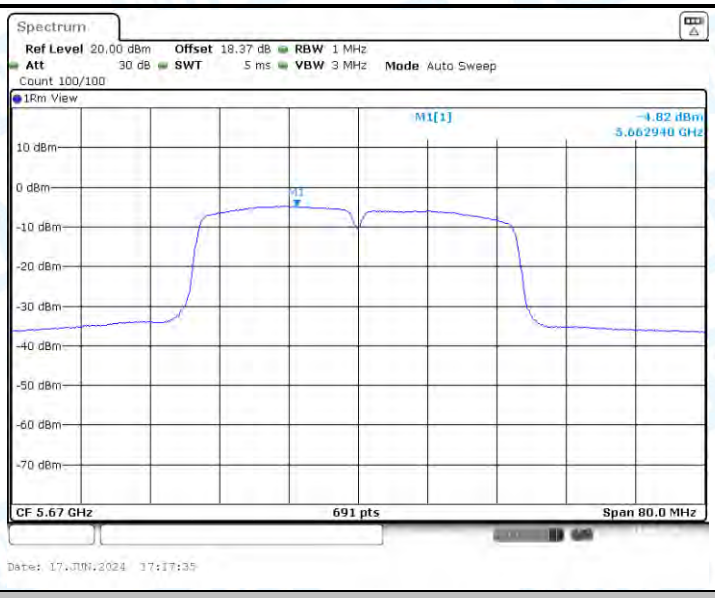


11AC40-CDD_Ant1_5550

11AC40-CDD_Ant2_5550

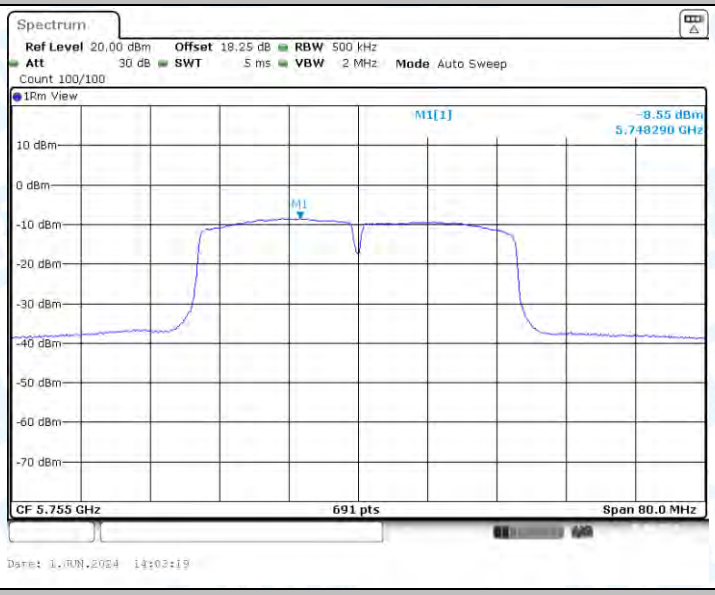


11AC40-CDD_Ant1_5670



11AC40-CDD_Ant2_5670

11AC40-CDD_Ant1_5755



11AC40-CDD_Ant2_5755

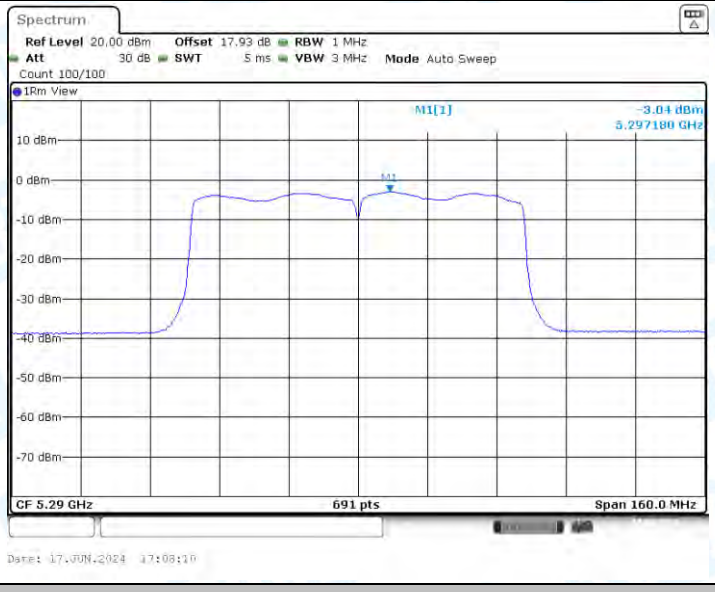
11AC40-CDD_Ant1_5795

11AC40-CDD_Ant2_5795

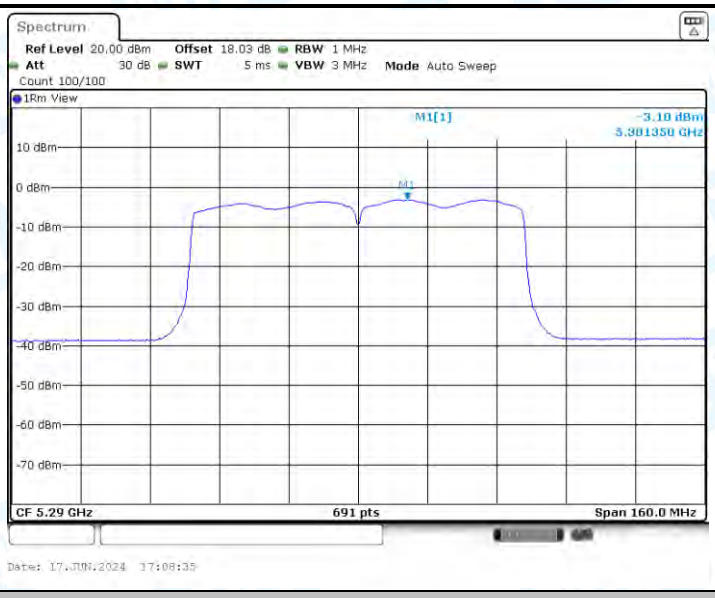
11AC80-CDD_Ant1_5210

11AC80-CDD_Ant2_5210

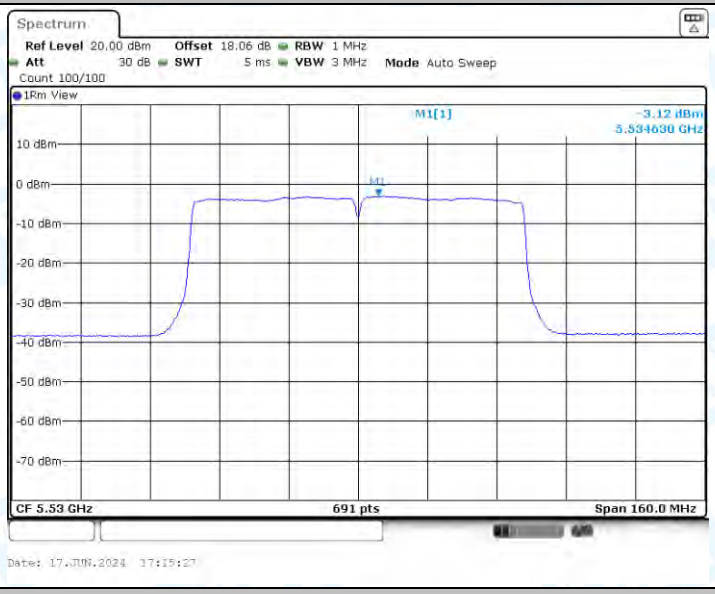
11AC80-CDD_Ant1_5290



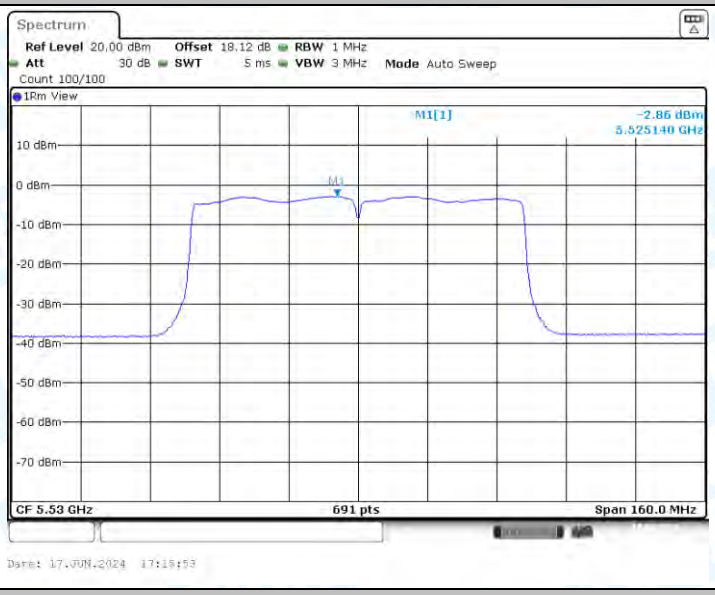
11AC80-CDD_Ant2_5290



11AC80-CDD_Ant1_5530

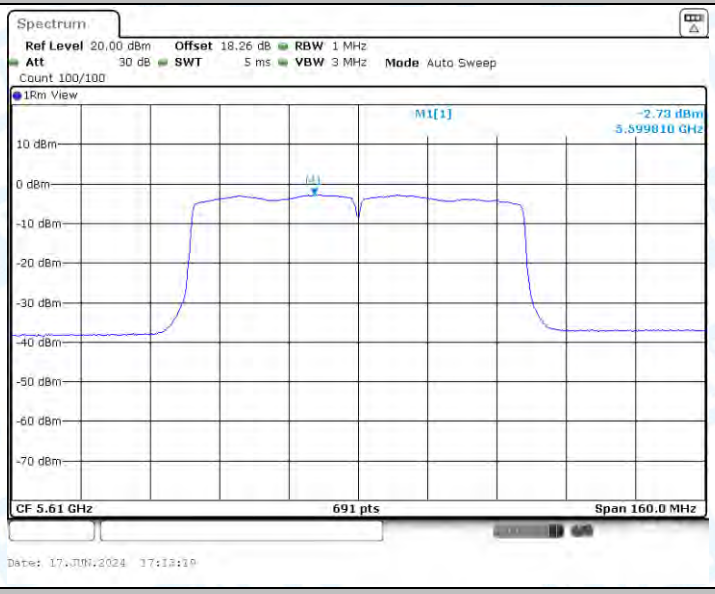


11AC80-CDD_Ant2_5530

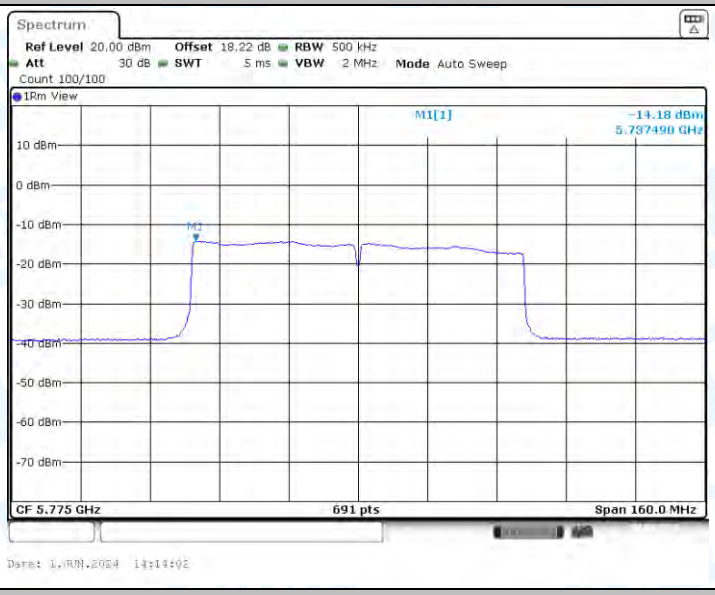


11AC80-CDD_Ant1_5610

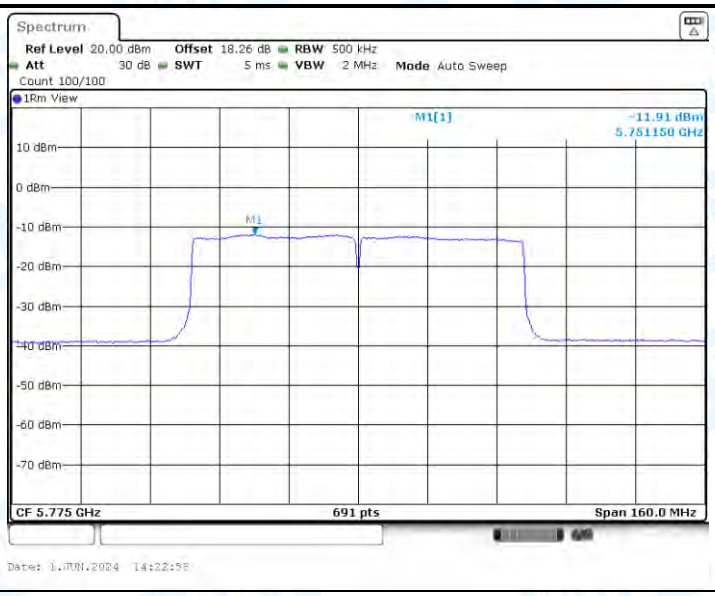
11AC80-CDD_Ant2_5610



11AC80-CDD_Ant1_5775



11AC80-CDD_Ant2_5775


Spectrum
Ref Level 20.00 dBm Offset 18.26 dB RBW 500 kHz
Att 30 dB SWT 5 ms VBW 2 MHz Mode Auto Sweep
Count 100/100
1Rm View
M1[1] -11.91 dBm
5.751150 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
CF 5.775 GHz
691 pts
Span 160.0 MHz

6. Conducted Spurious Emission

6.1.Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A-CDD	Ant1	5180	30~1000	890.96	-42.38	≤-27	PASS
			1000~40000	6905.9	-36.94	≤-27	PASS
	Ant2	5180	30~1000	861.15	-43.43	≤-27	PASS
			1000~40000	6905.9	-34.89	≤-27	PASS
	Ant1	5200	30~1000	861.83	-43.74	≤-27	PASS
			1000~40000	6933.2	-34.52	≤-27	PASS
	Ant2	5200	30~1000	860.24	-43.37	≤-27	PASS
			1000~40000	6933.2	-34.2	≤-27	PASS
	Ant1	5240	30~1000	890.09	-44.38	≤-27	PASS
			1000~40000	6986.5	-31.98	≤-27	PASS
	Ant2	5240	30~1000	891.32	-43.07	≤-27	PASS
			1000~40000	6986.5	-31.25	≤-27	PASS
	Ant1	5260	30~1000	889.76	-42.7	≤-27	PASS
			1000~40000	7013.8	-34.2	≤-27	PASS
	Ant2	5260	30~1000	958.66	-45.06	≤-27	PASS
			1000~40000	7012.5	-32.46	≤-27	PASS
	Ant1	5280	30~1000	862.02	-43.99	≤-27	PASS
			1000~40000	7039.8	-33.95	≤-27	PASS
	Ant2	5280	30~1000	861.8	-41.89	≤-27	PASS
			1000~40000	7039.8	-32.26	≤-27	PASS
	Ant1	5320	30~1000	961.74	-44.71	≤-27	PASS
			1000~40000	7093.1	-35.46	≤-27	PASS
	Ant2	5320	30~1000	865.26	-44.82	≤-27	PASS
			1000~40000	7093.1	-34.63	≤-27	PASS
	Ant1	5500	30~1000	861.73	-43.88	≤-27	PASS
			1000~40000	7332.3	-31.47	≤-27	PASS
	Ant2	5500	30~1000	890.9	-42.43	≤-27	PASS
			1000~40000	7333.6	-34.13	≤-27	PASS
	Ant1	5580	30~1000	863.51	-43.99	≤-27	PASS
			1000~40000	7438.9	-33.53	≤-27	PASS
	Ant2	5580	30~1000	892.16	-43.44	≤-27	PASS
			1000~40000	6942.3	-36.61	≤-27	PASS
	Ant1	5700	30~1000	509.15	-43.05	≤-27	PASS
			1000~40000	6972.2	-37.17	≤-27	PASS
	Ant2	5700	30~1000	895.29	-43.56	≤-27	PASS
			1000~40000	5379.7	-34.35	≤-27	PASS
	Ant1	5745	30~1000	888.96	-43.25	≤-27	PASS
			1000~40000	39805	-37.41	≤-27	PASS
	Ant2	5745	30~1000	960.12	-43.58	≤-27	PASS
			1000~40000	5417.4	-36.35	≤-27	PASS

	Ant1	5785	30~1000	966.52	-44.75	≤-27	PASS
			1000~40000	6787.6	-37.25	≤-27	PASS
	Ant2	5785	30~1000	958.6	-44.2	≤-27	PASS
			1000~40000	5461.6	-36.51	≤-27	PASS
		5825	30~1000	959.6	-42.74	≤-27	PASS
			1000~40000	5509.7	-35.37	≤-27	PASS
11N20-MIMO	Ant1	5180	30~1000	961.48	-45.06	≤-27	PASS
			1000~40000	6905.9	-35.52	≤-27	PASS
	Ant2	5180	30~1000	871.59	-44.64	≤-27	PASS
			1000~40000	6905.9	-34.61	≤-27	PASS
	Ant1	5200	30~1000	861.31	-41.68	≤-27	PASS
			1000~40000	6933.2	-35.58	≤-27	PASS
	Ant2	5200	30~1000	861.67	-44.22	≤-27	PASS
			1000~40000	6933.2	-33.86	≤-27	PASS
	Ant1	5240	30~1000	710.42	-43.94	≤-27	PASS
			1000~40000	6986.5	-32.62	≤-27	PASS
	Ant2	5240	30~1000	889.86	-44.01	≤-27	PASS
			1000~40000	6986.5	-31.97	≤-27	PASS
	Ant1	5260	30~1000	871.56	-44.26	≤-27	PASS
			1000~40000	7012.5	-33.95	≤-27	PASS
	Ant2	5260	30~1000	958.44	-44.35	≤-27	PASS
			1000~40000	7012.5	-32.39	≤-27	PASS
	Ant1	5280	30~1000	709.16	-44.23	≤-27	PASS
			1000~40000	7039.8	-33.58	≤-27	PASS
	Ant2	5280	30~1000	868.39	-44.42	≤-27	PASS
			1000~40000	7039.8	-32.16	≤-27	PASS
	Ant1	5320	30~1000	894.84	-44.06	≤-27	PASS
			1000~40000	7093.1	-35.67	≤-27	PASS
	Ant2	5320	30~1000	872.56	-43.53	≤-27	PASS
			1000~40000	7093.1	-34.87	≤-27	PASS
	Ant1	5500	30~1000	958.5	-44.36	≤-27	PASS
			1000~40000	7333.6	-31.57	≤-27	PASS
	Ant2	5500	30~1000	862.6	-43.64	≤-27	PASS
			1000~40000	7333.6	-34.26	≤-27	PASS
	Ant1	5580	30~1000	961.51	-44.3	≤-27	PASS
			1000~40000	7440.2	-33.65	≤-27	PASS
	Ant2	5580	30~1000	963.32	-45.05	≤-27	PASS
			1000~40000	6973.5	-36.53	≤-27	PASS
		5700	30~1000	864.25	-43.14	≤-27	PASS
			1000~40000	5383.6	-36.38	≤-27	PASS
	Ant1	5745	30~1000	959.12	-43.2	≤-27	PASS
			1000~40000	6635.5	-36.73	≤-27	PASS
	Ant2	5745	30~1000	960.8	-44.32	≤-27	PASS
			1000~40000	5423.9	-36.58	≤-27	PASS
	Ant1	5785	30~1000	960.15	-44.51	≤-27	PASS

			1000~40000	6977.4	-36.18	≤-27	PASS
	Ant2	5785	30~1000	862.02	-44.25	≤-27	PASS
			1000~40000	5461.6	-36.56	≤-27	PASS
	Ant1	5825	30~1000	961.51	-43.28	≤-27	PASS
			1000~40000	39303.2	-37	≤-27	PASS
	Ant2	5825	30~1000	893.26	-44.48	≤-27	PASS
			1000~40000	5509.7	-35.71	≤-27	PASS
11N40-MIMO	Ant1	5190	30~1000	966.2	-44.73	≤-27	PASS
			1000~40000	6920.2	-35.17	≤-27	PASS
	Ant2	5190	30~1000	889.38	-43.72	≤-27	PASS
			1000~40000	6920.2	-34.25	≤-27	PASS
	Ant1	5230	30~1000	891.06	-43.83	≤-27	PASS
			1000~40000	6972.2	-33.23	≤-27	PASS
	Ant2	5230	30~1000	860.5	-44.05	≤-27	PASS
			1000~40000	6973.5	-32.33	≤-27	PASS
	Ant1	5270	30~1000	959.83	-44.07	≤-27	PASS
			1000~40000	7025.5	-33.58	≤-27	PASS
	Ant2	5270	30~1000	889.54	-43.31	≤-27	PASS
			1000~40000	7026.8	-32.33	≤-27	PASS
	Ant1	5310	30~1000	958.47	-43.98	≤-27	PASS
			1000~40000	7080.1	-35.08	≤-27	PASS
	Ant2	5310	30~1000	895.81	-43.58	≤-27	PASS
			1000~40000	7080.1	-33.81	≤-27	PASS
	Ant1	5510	30~1000	868.04	-43.48	≤-27	PASS
			1000~40000	7346.6	-31.22	≤-27	PASS
	Ant2	5510	30~1000	716.17	-44.64	≤-27	PASS
			1000~40000	7346.6	-35.01	≤-27	PASS
	Ant1	5550	30~1000	891.87	-44.29	≤-27	PASS
			1000~40000	7399.9	-31.3	≤-27	PASS
	Ant2	5550	30~1000	871.79	-45.31	≤-27	PASS
			1000~40000	7399.9	-36.37	≤-27	PASS
	Ant1	5670	30~1000	705.28	-44.79	≤-27	PASS
			1000~40000	39299.3	-36.67	≤-27	PASS
	Ant2	5670	30~1000	960.05	-42.92	≤-27	PASS
			1000~40000	6769.4	-36.16	≤-27	PASS
	Ant1	5755	30~1000	888.54	-43.89	≤-27	PASS
			1000~40000	6960.5	-37.18	≤-27	PASS
	Ant2	5755	30~1000	862.05	-44.88	≤-27	PASS
			1000~40000	39625.6	-37.19	≤-27	PASS
	Ant1	5795	30~1000	862.57	-44.21	≤-27	PASS
			1000~40000	6973.5	-36.64	≤-27	PASS
	Ant2	5795	30~1000	960.28	-42.84	≤-27	PASS
			1000~40000	6864.3	-37.21	≤-27	PASS
11AC20-MIMO	Ant1	5180	30~1000	708.28	-44.47	≤-27	PASS
			1000~40000	6905.9	-36.3	≤-27	PASS

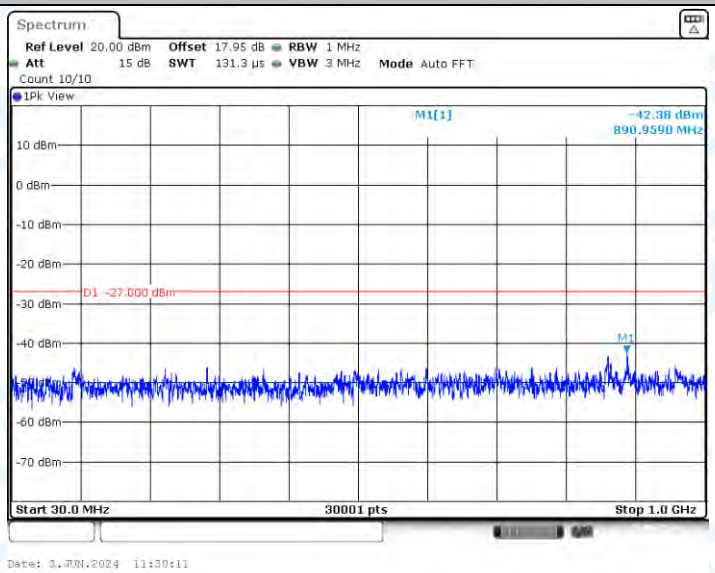
	Ant2	5180	30~1000	862.12	-44.78	≤-27	PASS
			1000~40000	6905.9	-34.35	≤-27	PASS
	Ant1	5200	30~1000	706.05	-44.77	≤-27	PASS
			1000~40000	6933.2	-34.22	≤-27	PASS
	Ant2	5200	30~1000	890.31	-41.72	≤-27	PASS
			1000~40000	6933.2	-32.68	≤-27	PASS
	Ant1	5240	30~1000	861.34	-43.67	≤-27	PASS
			1000~40000	6986.5	-33.26	≤-27	PASS
	Ant2	5240	30~1000	892.16	-43.21	≤-27	PASS
			1000~40000	6986.5	-31.93	≤-27	PASS
	Ant1	5260	30~1000	862.64	-44.39	≤-27	PASS
			1000~40000	7012.5	-34.04	≤-27	PASS
	Ant2	5260	30~1000	861.02	-45.4	≤-27	PASS
			1000~40000	7012.5	-32.64	≤-27	PASS
	Ant1	5280	30~1000	890.31	-45.18	≤-27	PASS
			1000~40000	7039.8	-33.76	≤-27	PASS
	Ant2	5280	30~1000	888.37	-44.21	≤-27	PASS
			1000~40000	7039.8	-32.31	≤-27	PASS
	Ant1	5320	30~1000	959.18	-44.07	≤-27	PASS
			1000~40000	7093.1	-35.23	≤-27	PASS
	Ant2	5320	30~1000	894.26	-44.27	≤-27	PASS
			1000~40000	7093.1	-34.33	≤-27	PASS
	Ant1	5500	30~1000	861.44	-44.25	≤-27	PASS
			1000~40000	7333.6	-31.5	≤-27	PASS
	Ant2	5500	30~1000	888.63	-42.52	≤-27	PASS
			1000~40000	7333.6	-34.33	≤-27	PASS
	Ant1	5580	30~1000	958.41	-45.15	≤-27	PASS
			1000~40000	7440.2	-33.35	≤-27	PASS
	Ant2	5580	30~1000	508.7	-44.07	≤-27	PASS
			1000~40000	6957.9	-36.74	≤-27	PASS
	Ant1	5700	30~1000	869.91	-44.93	≤-27	PASS
			1000~40000	5223.7	-37.1	≤-27	PASS
	Ant2	5700	30~1000	516.39	-43.12	≤-27	PASS
			1000~40000	5379.7	-35.9	≤-27	PASS
	Ant1	5745	30~1000	870.17	-43.86	≤-27	PASS
			1000~40000	6970.9	-37.3	≤-27	PASS
	Ant2	5745	30~1000	888.08	-43.63	≤-27	PASS
			1000~40000	6972.2	-35.11	≤-27	PASS
	Ant1	5785	30~1000	963.03	-44.66	≤-27	PASS
			1000~40000	39949.3	-37.91	≤-27	PASS
	Ant2	5785	30~1000	707.64	-43.5	≤-27	PASS
			1000~40000	6937.1	-37.19	≤-27	PASS
	Ant1	5825	30~1000	890.31	-43.51	≤-27	PASS
			1000~40000	6985.2	-36.88	≤-27	PASS
	Ant2	5825	30~1000	860.73	-44.32	≤-27	PASS

			1000~40000	5504.5	-34.74	≤-27	PASS
11AC40-MIMO	Ant1	5190	30~1000	862.48	-44.29	≤-27	PASS
			1000~40000	6920.2	-34.93	≤-27	PASS
	Ant2	5190	30~1000	958.47	-43	≤-27	PASS
			1000~40000	6918.9	-35.07	≤-27	PASS
	Ant1	5230	30~1000	863.51	-44.34	≤-27	PASS
			1000~40000	6973.5	-33.78	≤-27	PASS
	Ant2	5230	30~1000	888.54	-44.33	≤-27	PASS
			1000~40000	6972.2	-32.71	≤-27	PASS
	Ant1	5270	30~1000	863.87	-44.18	≤-27	PASS
			1000~40000	7026.8	-33.55	≤-27	PASS
	Ant2	5270	30~1000	958.76	-43.68	≤-27	PASS
			1000~40000	7026.8	-32.22	≤-27	PASS
	Ant1	5310	30~1000	890.15	-43.57	≤-27	PASS
			1000~40000	7080.1	-35.08	≤-27	PASS
	Ant2	5310	30~1000	958.63	-44.04	≤-27	PASS
			1000~40000	7080.1	-33.98	≤-27	PASS
	Ant1	5510	30~1000	116.02	-44.26	≤-27	PASS
			1000~40000	7346.6	-30.77	≤-27	PASS
	Ant2	5510	30~1000	960.44	-42.87	≤-27	PASS
			1000~40000	7346.6	-34.59	≤-27	PASS
	Ant1	5550	30~1000	707.05	-43.9	≤-27	PASS
			1000~40000	7399.9	-31.23	≤-27	PASS
	Ant2	5550	30~1000	861.25	-44.3	≤-27	PASS
			1000~40000	7399.9	-35.91	≤-27	PASS
	Ant1	5670	30~1000	967.13	-43.32	≤-27	PASS
			1000~40000	6982.6	-36.55	≤-27	PASS
	Ant2	5670	30~1000	706.21	-44.2	≤-27	PASS
			1000~40000	5349.8	-35.89	≤-27	PASS
	Ant1	5755	30~1000	888.28	-43.76	≤-27	PASS
			1000~40000	6996.9	-37.49	≤-27	PASS
	Ant2	5755	30~1000	860.54	-44.03	≤-27	PASS
			1000~40000	6960.5	-36.33	≤-27	PASS
	Ant1	5795	30~1000	889.05	-43.95	≤-27	PASS
			1000~40000	7726.2	-37.72	≤-27	PASS
	Ant2	5795	30~1000	958.99	-44.42	≤-27	PASS
			1000~40000	5474.6	-37.21	≤-27	PASS
11AC80-MIMO	Ant1	5210	30~1000	894.74	-44.72	≤-27	PASS
			1000~40000	6946.2	-34.43	≤-27	PASS
	Ant2	5210	30~1000	862.35	-44.14	≤-27	PASS
			1000~40000	6946.2	-33.26	≤-27	PASS
	Ant1	5290	30~1000	860.57	-44.73	≤-27	PASS
			1000~40000	7052.8	-34.04	≤-27	PASS
	Ant2	5290	30~1000	860.05	-44.51	≤-27	PASS
			1000~40000	7052.8	-32.58	≤-27	PASS

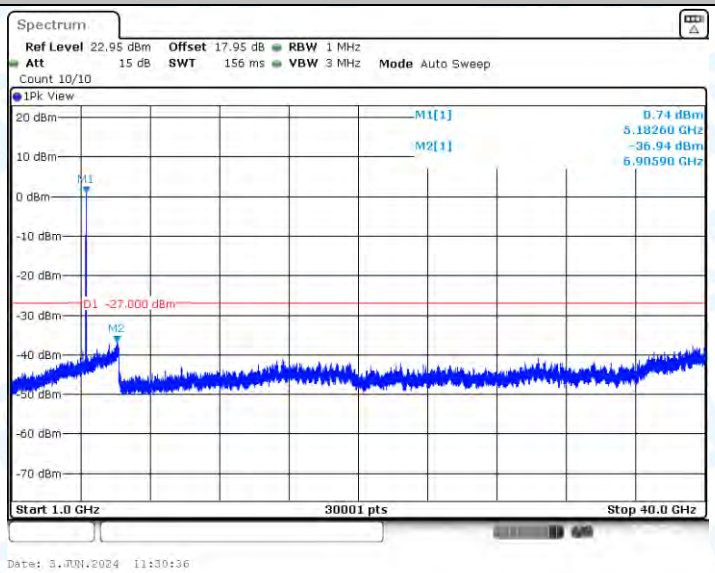
	Ant1	5530	30~1000	860.05	-44.26	≤-27	PASS
			1000~40000	7372.6	-30.41	≤-27	PASS
	Ant2	5530	30~1000	888.79	-43.45	≤-27	PASS
			1000~40000	7372.6	-34.65	≤-27	PASS
	Ant1	5610	30~1000	892.9	-44.39	≤-27	PASS
			1000~40000	7479.2	-35.8	≤-27	PASS
	Ant2	5610	30~1000	963.64	-44.42	≤-27	PASS
			1000~40000	5290	-34.53	≤-27	PASS
	Ant1	5775	30~1000	867.49	-43.37	≤-27	PASS
			1000~40000	6994.3	-36.9	≤-27	PASS
	Ant2	5775	30~1000	115.54	-44.27	≤-27	PASS
			1000~40000	38945.7	-37.05	≤-27	PASS

6.2.Test Graphs

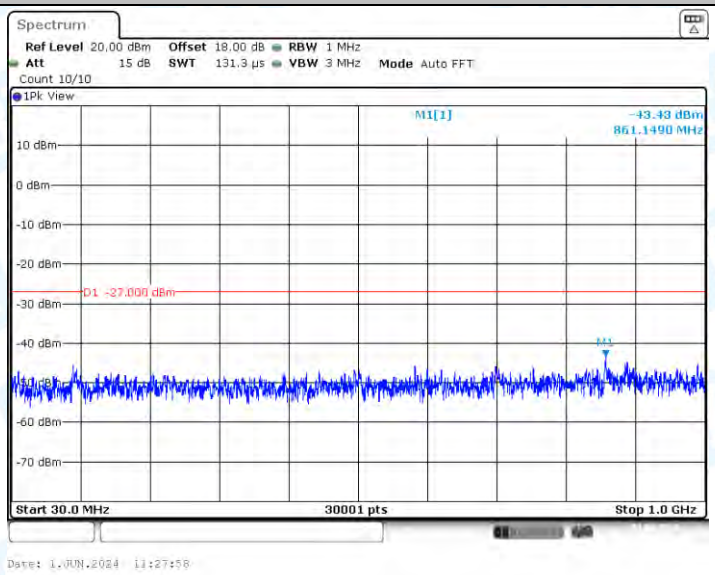
11A-CDD_Ant1_5180_30~1000



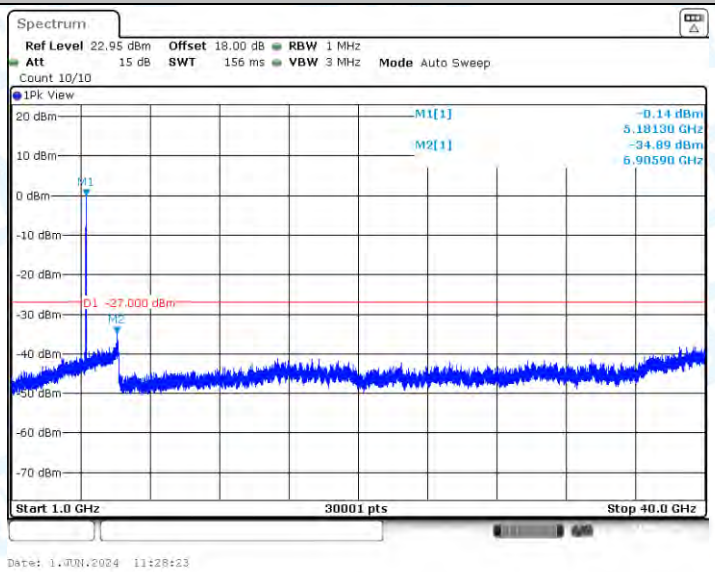
11A-CDD_Ant1_5180_1000~40000



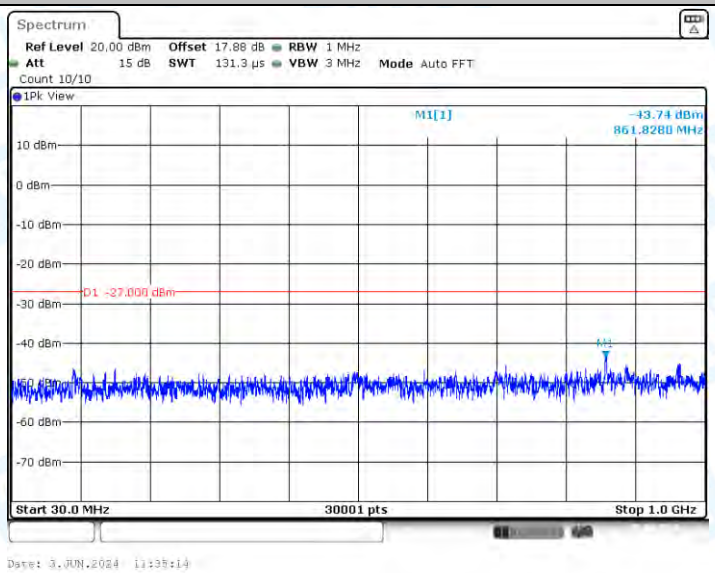
11A-CDD_Ant2_5180_30~1000



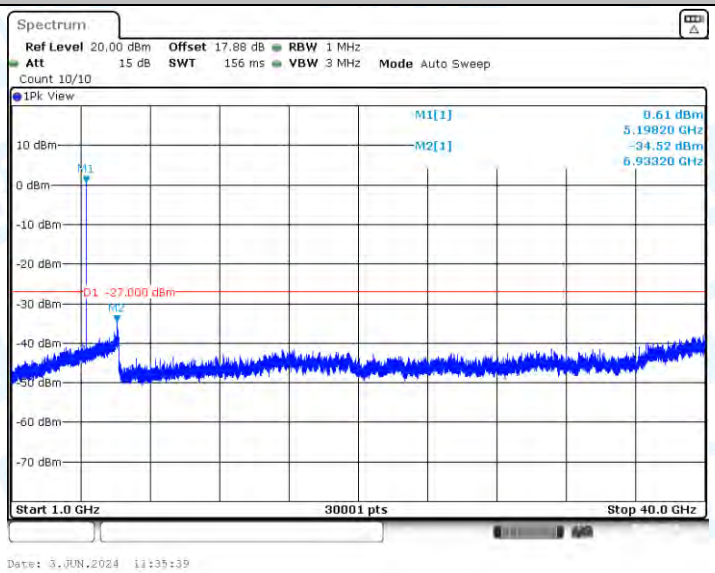
11A-CDD_Ant2_5180_1000~40000



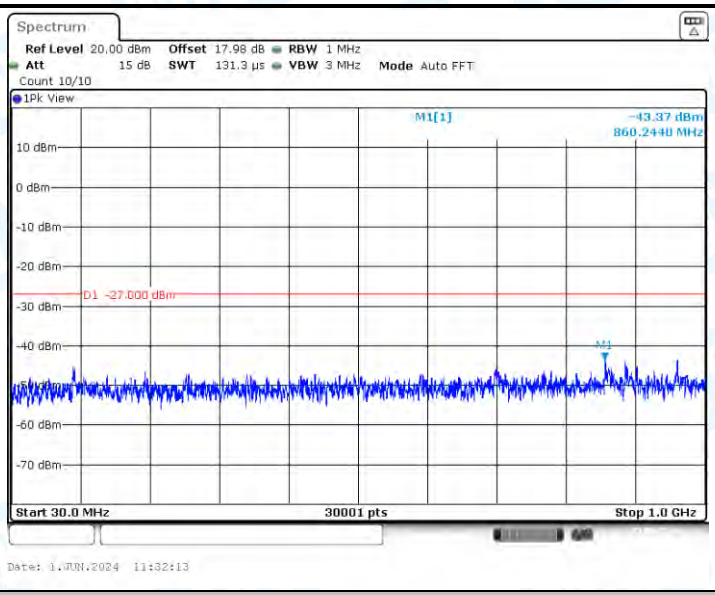
11A-CDD_Ant1_5200_30~1000



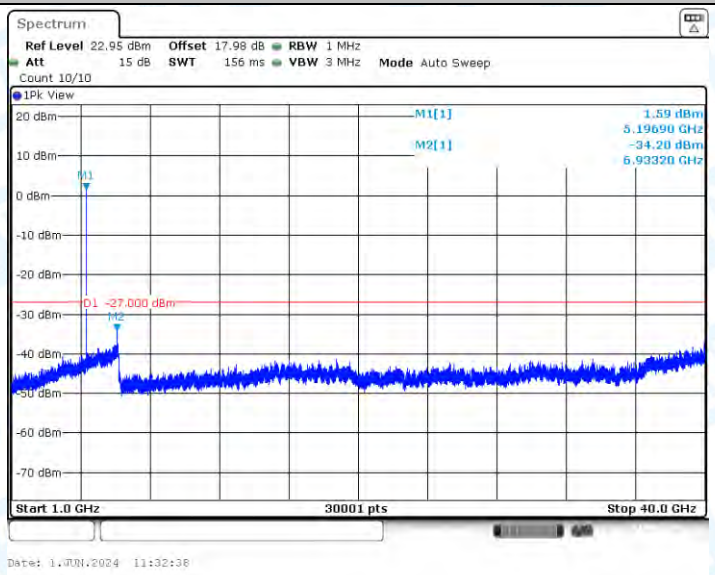
11A-CDD_Ant1_5200_1000~40000



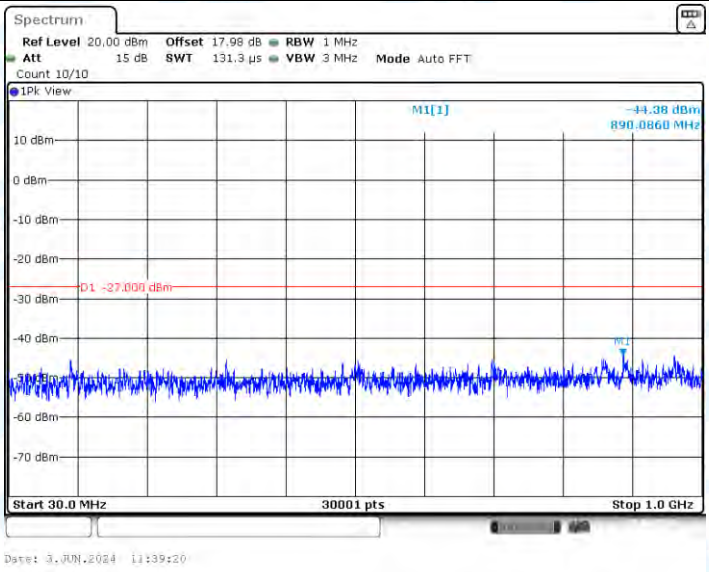
11A-CDD_Ant2_5200_30~1000



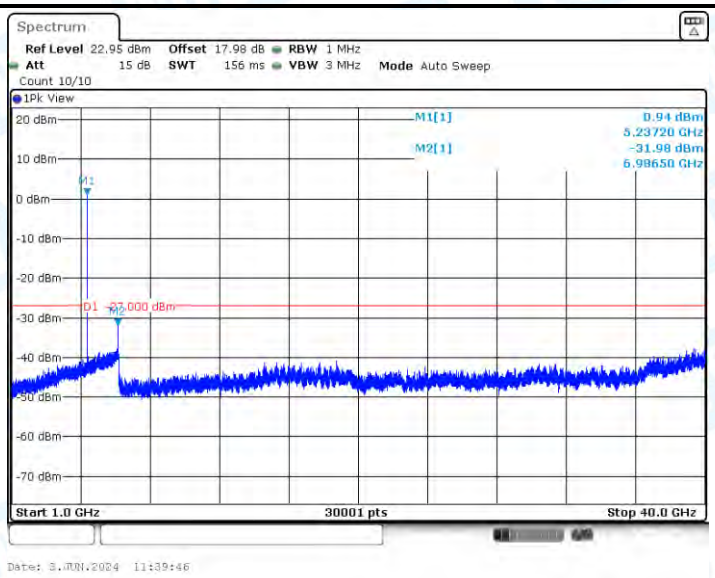
11A-CDD_Ant2_5200_1000~40000



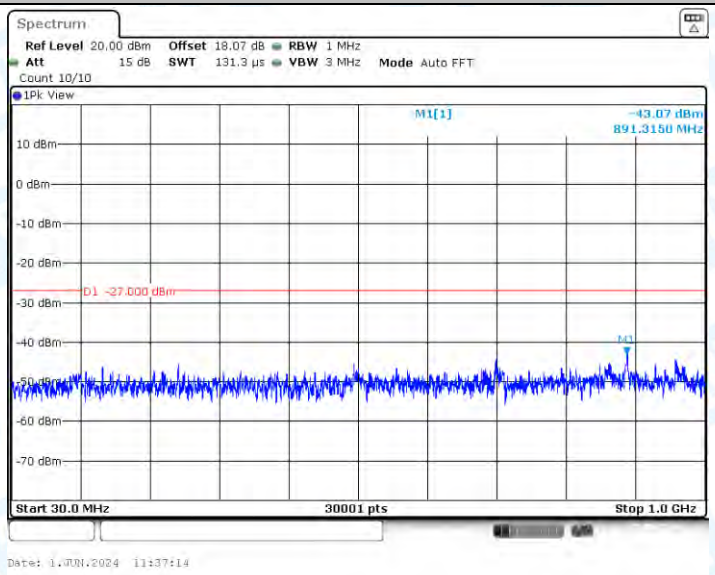
11A-CDD_Ant1_5240_30~1000



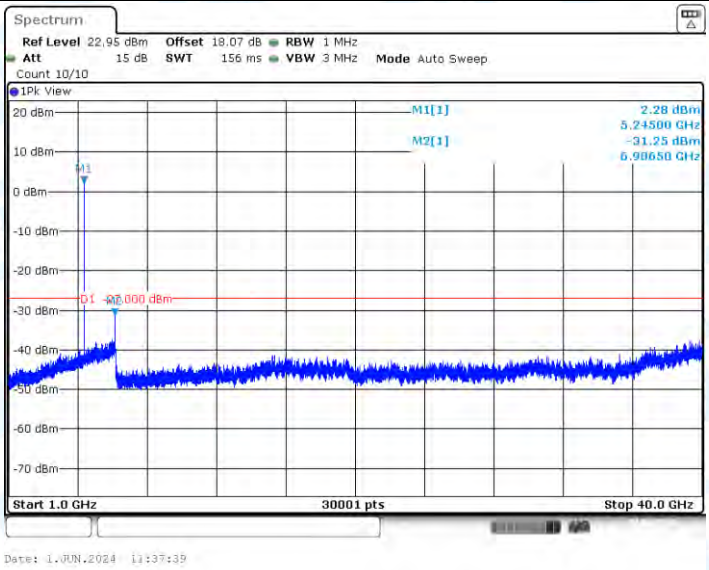
11A-CDD_Ant1_5240_1000~40000



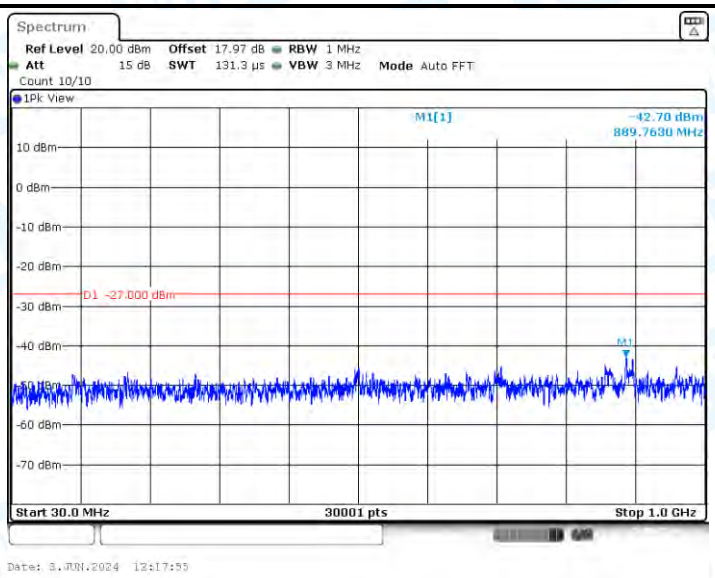
11A-CDD_Ant2_5240_30~1000



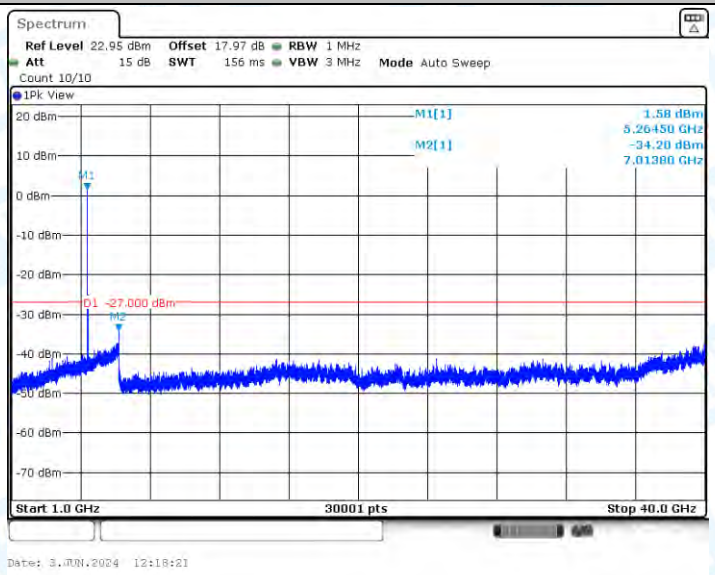
11A-CDD_Ant2_5240_1000~40000



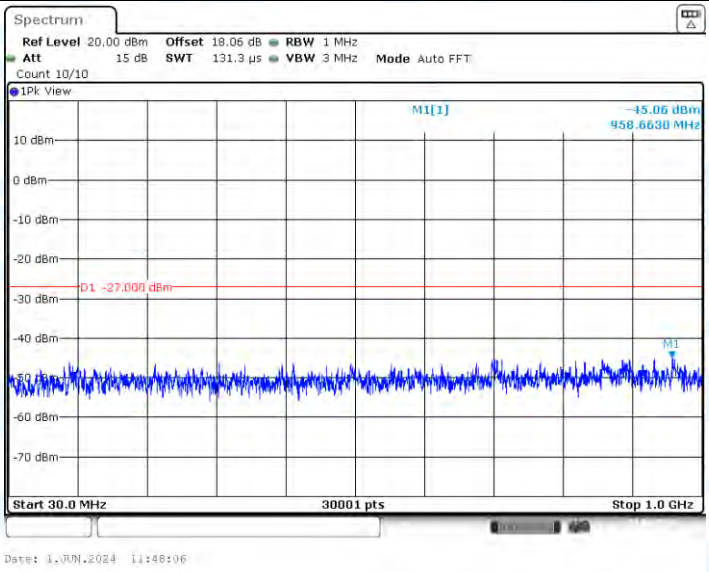
11A-CDD_Ant1_5260_30~1000



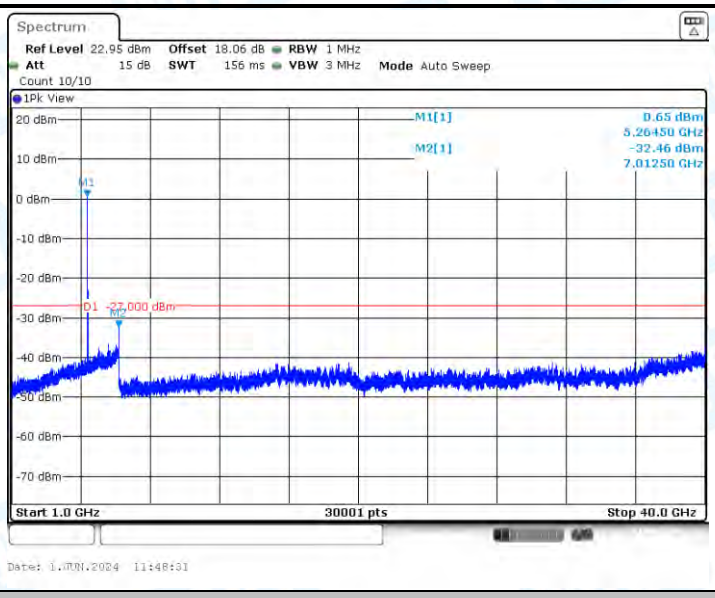
11A-CDD_Ant1_5260_1000~40000



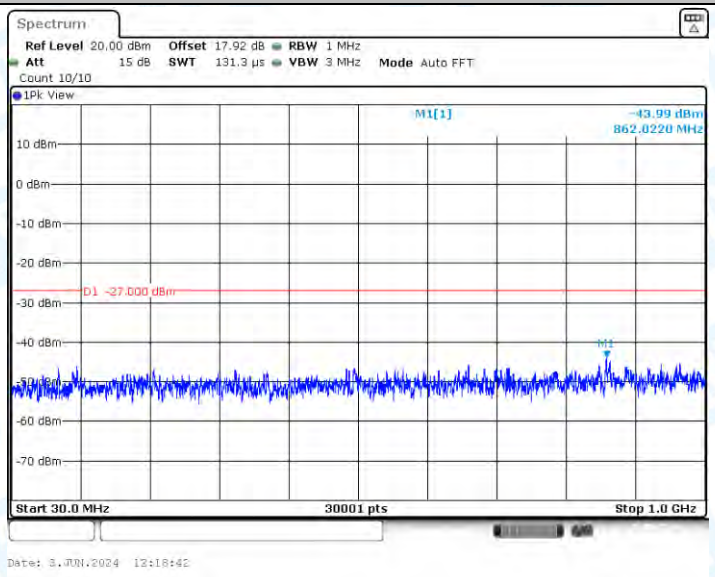
11A-CDD_Ant2_5260_30~1000



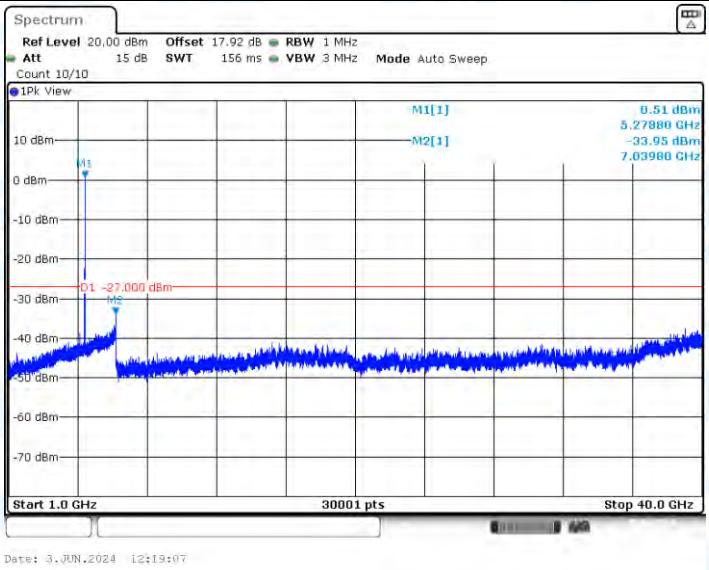
11A-CDD_Ant2_5260_1000~40000



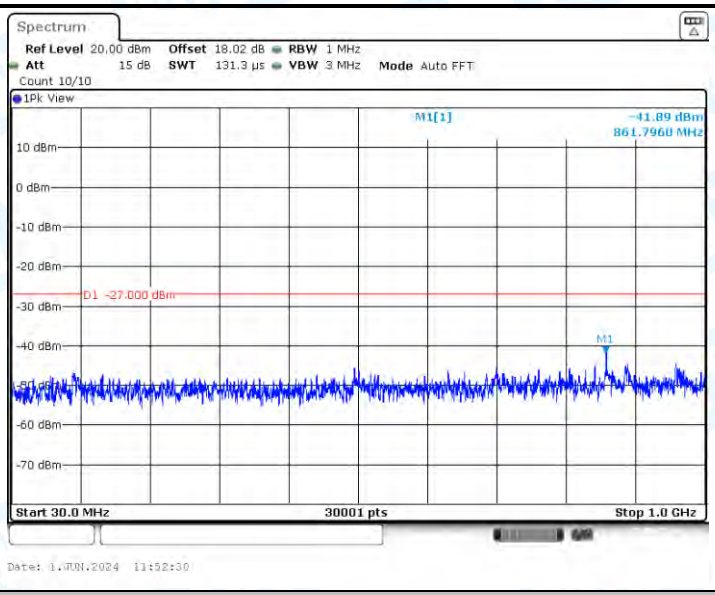
11A-CDD_Ant1_5280_30~1000



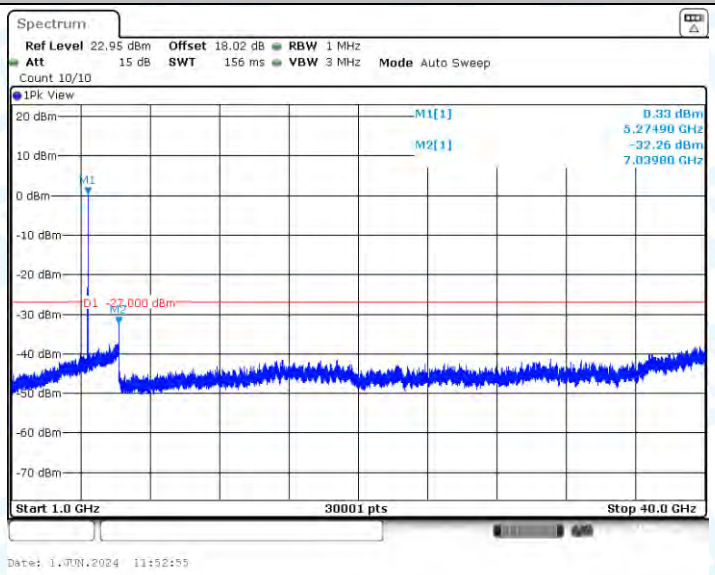
11A-CDD_Ant1_5280_1000~40000



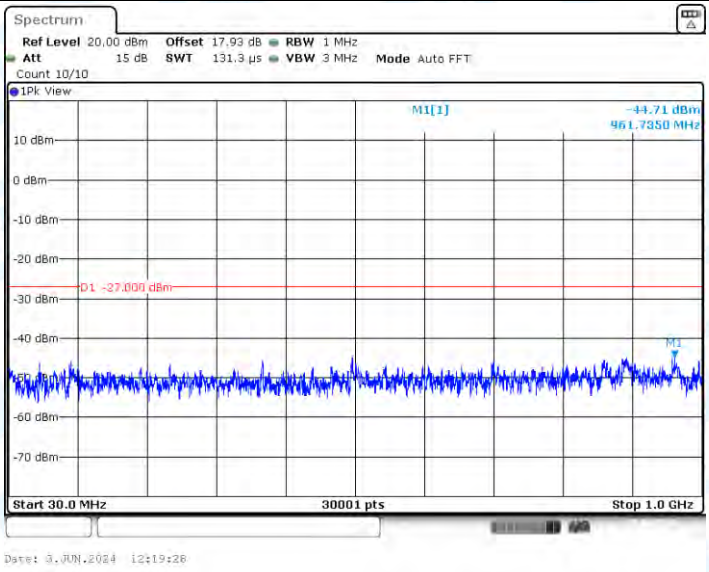
11A-CDD_Ant2_5280_30~1000



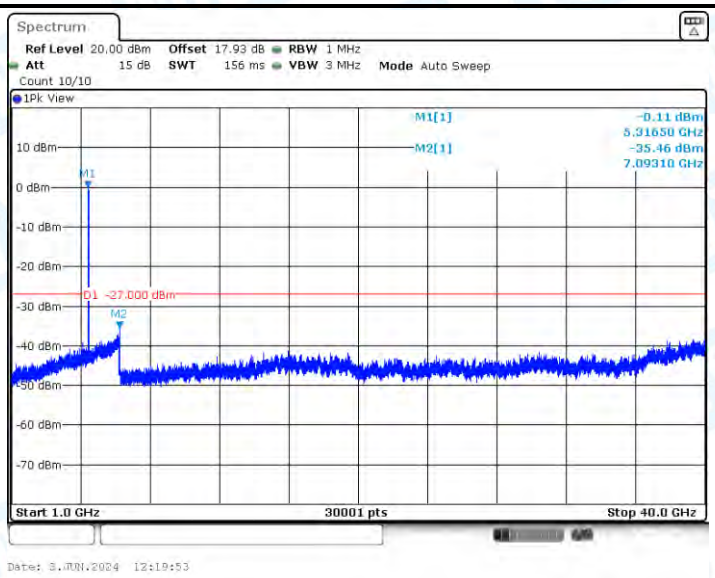
11A-CDD_Ant2_5280_1000~40000



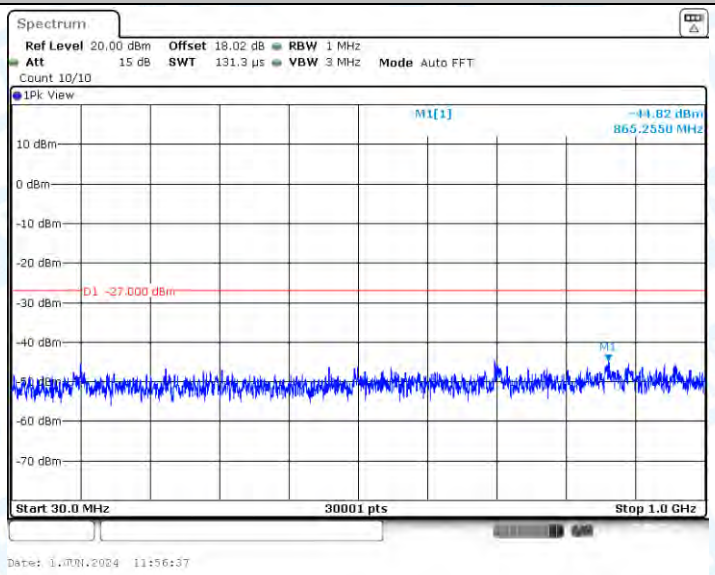
11A-CDD_Ant1_5320_30~1000



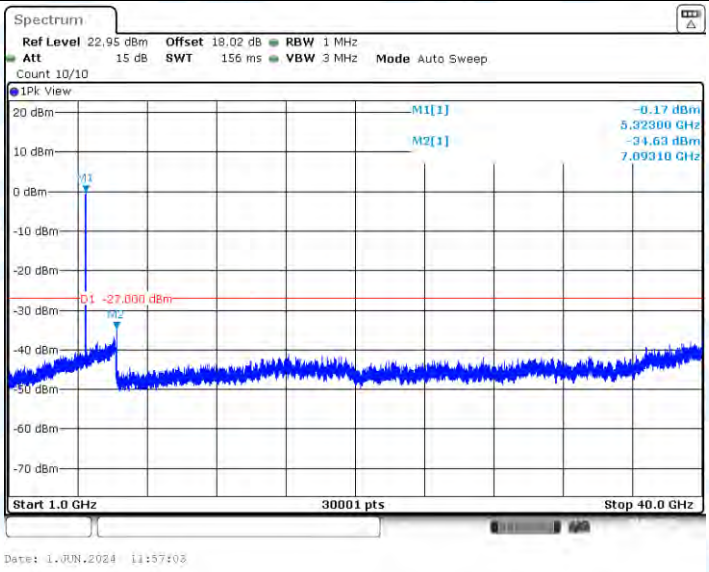
11A-CDD_Ant1_5320_1000~40000



11A-CDD_Ant2_5320_30~1000



11A-CDD_Ant2_5320_1000~40000



11A-CDD_Ant1_5500_30~1000