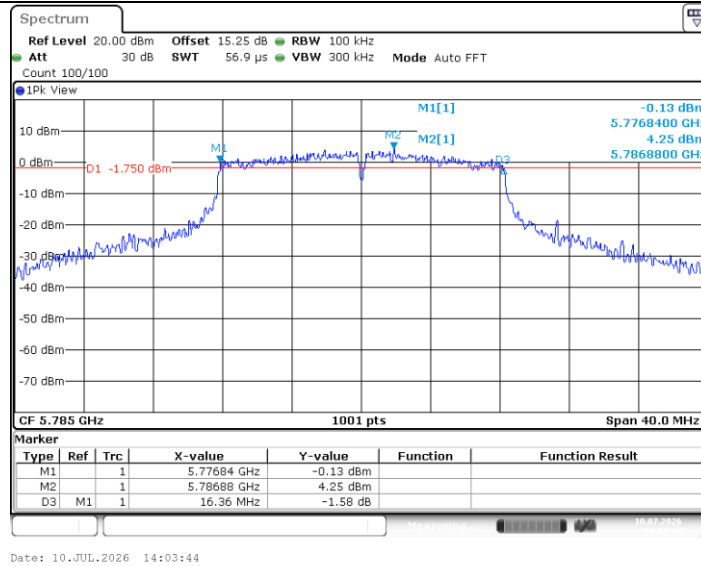
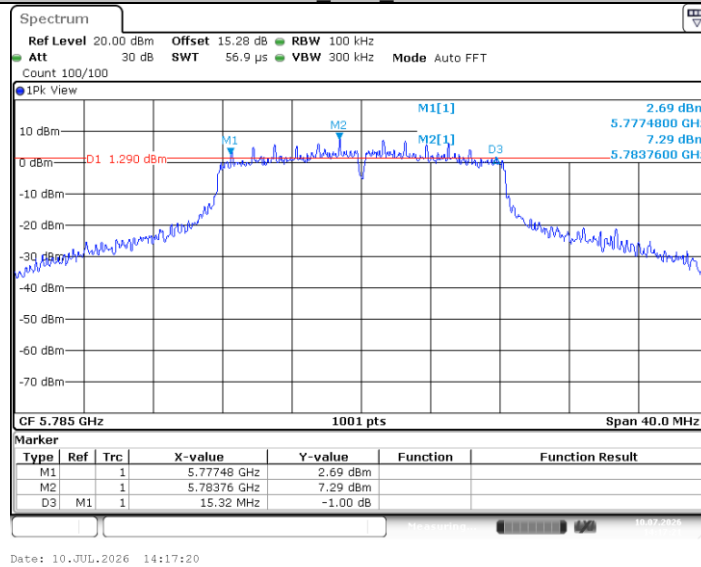
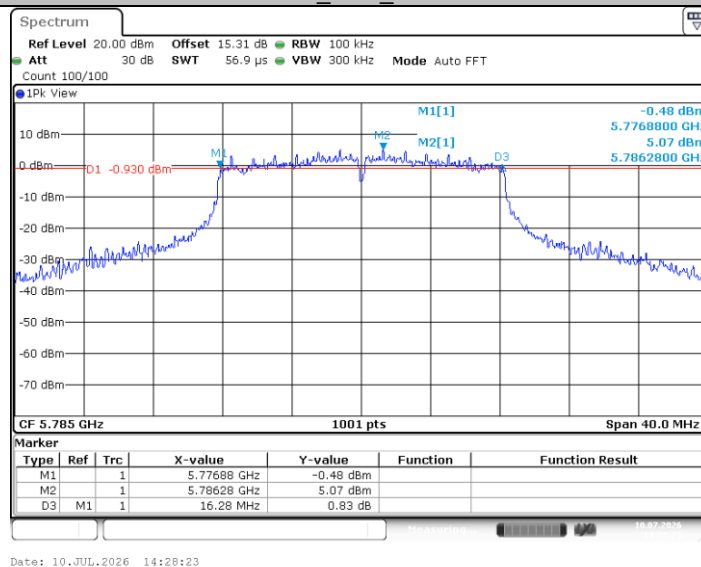




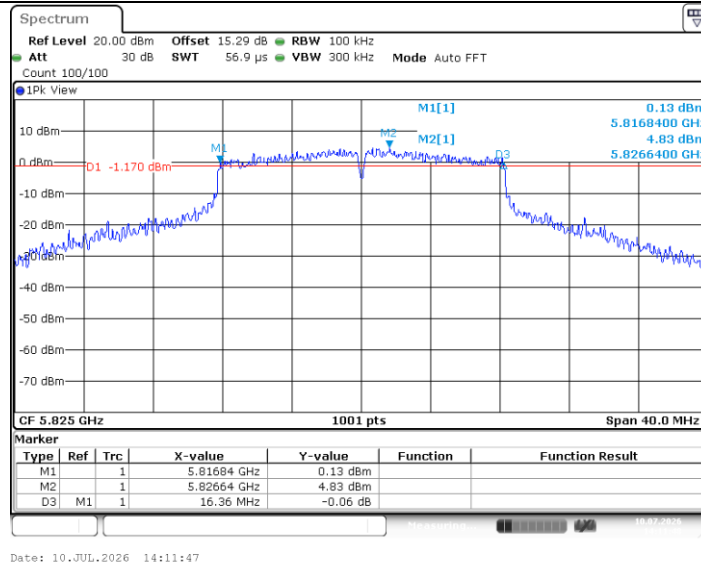
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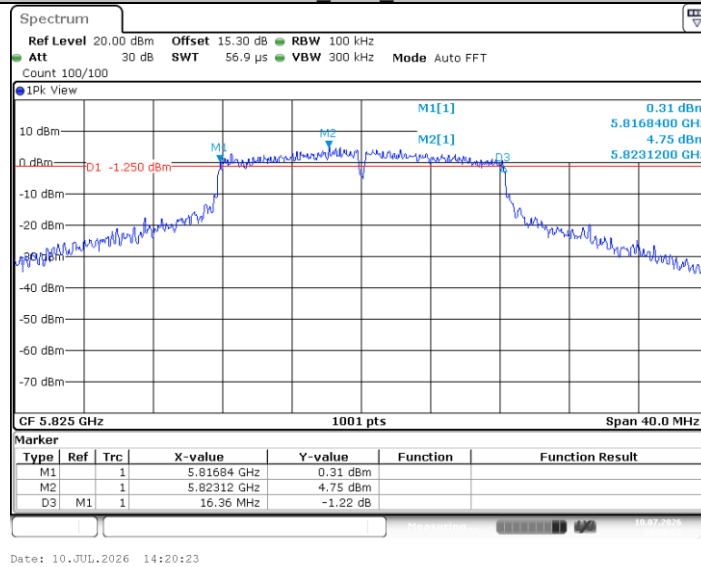
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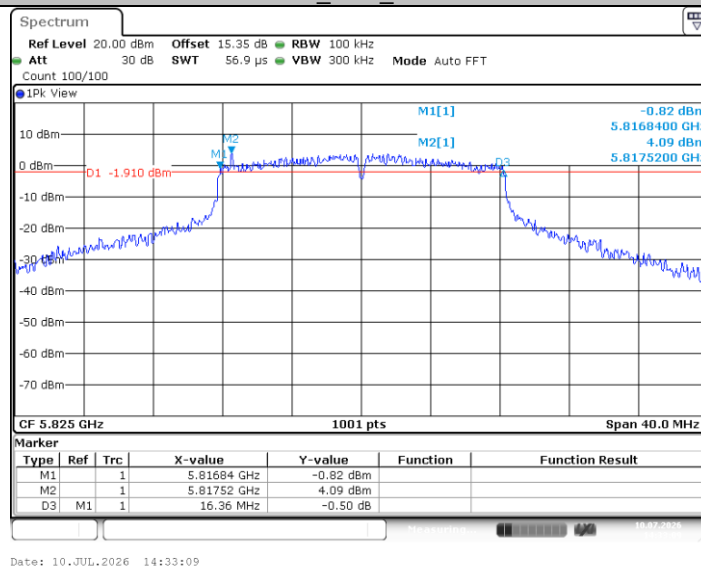
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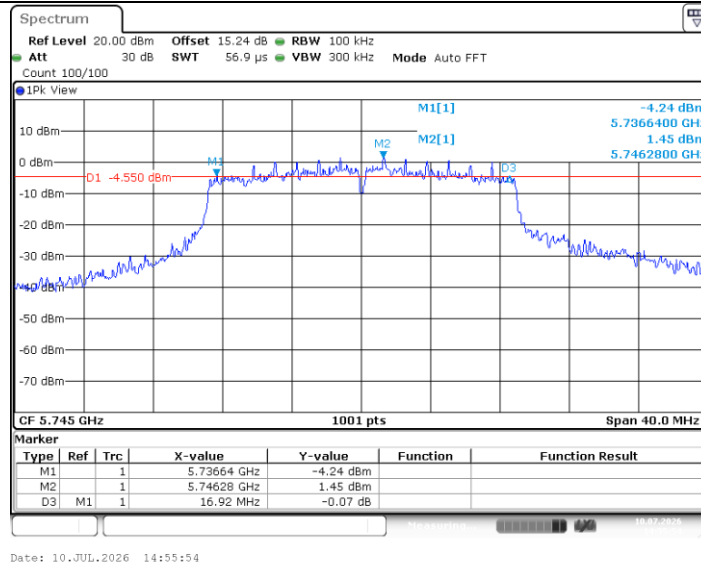
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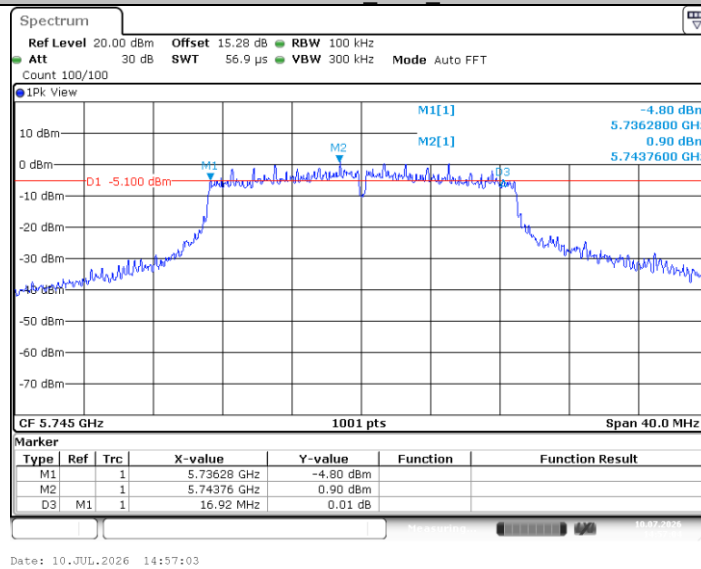
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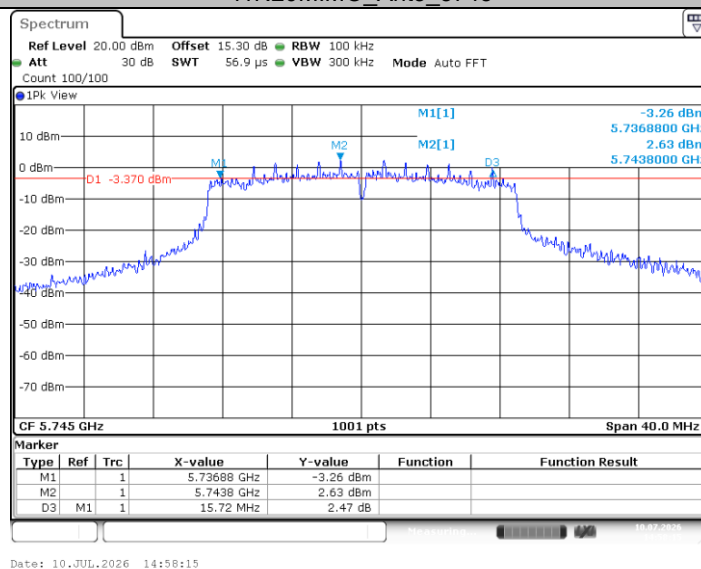
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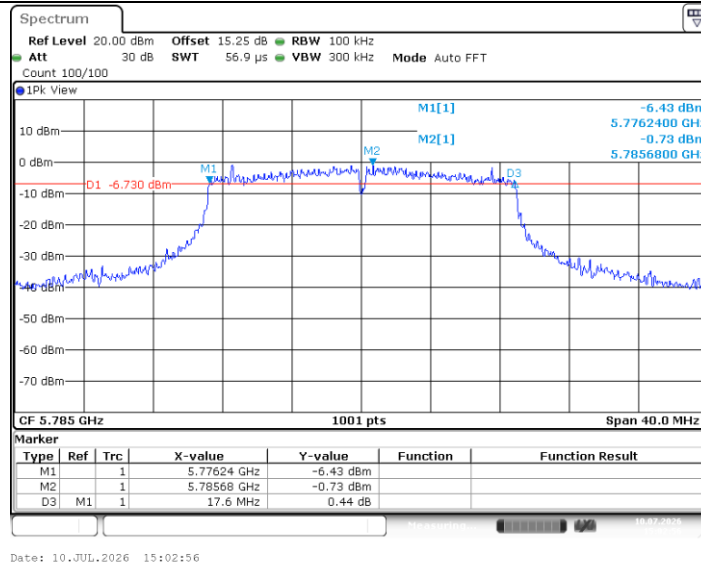
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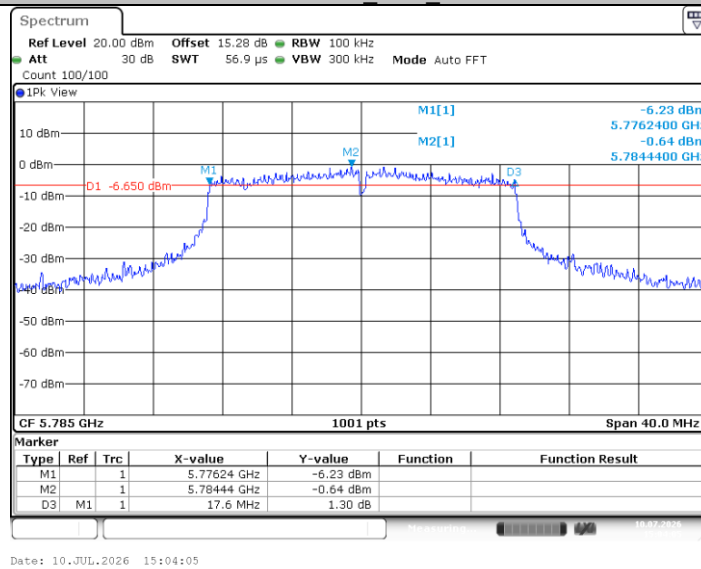
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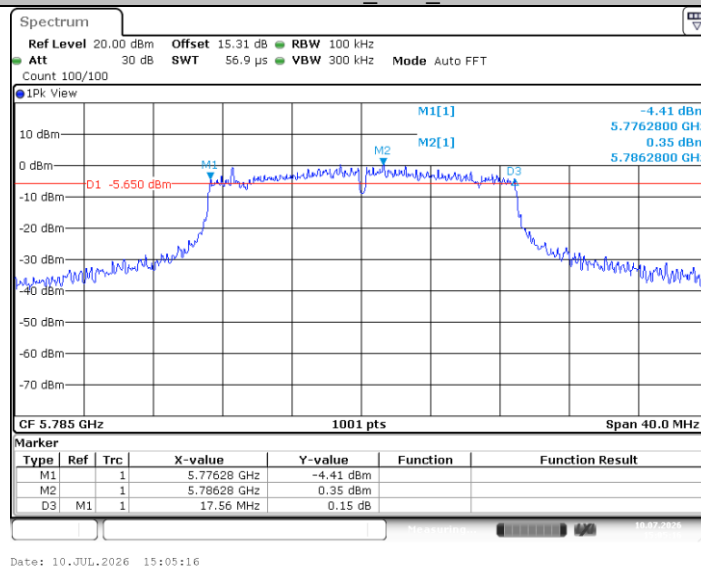
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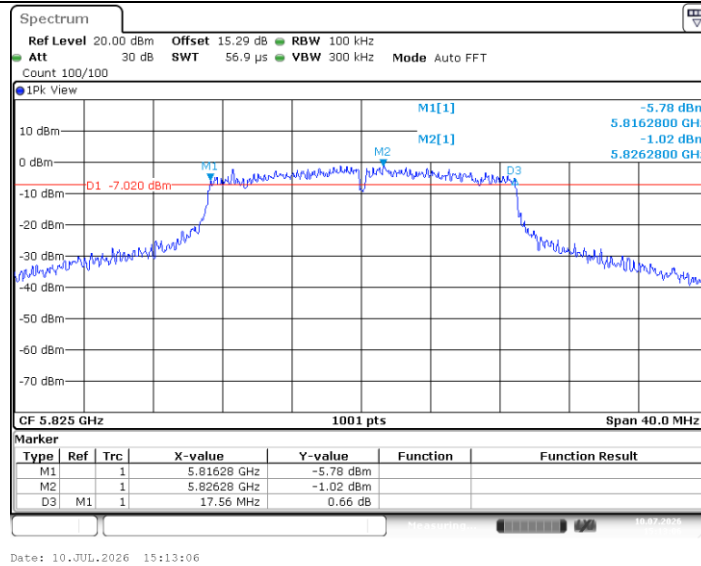
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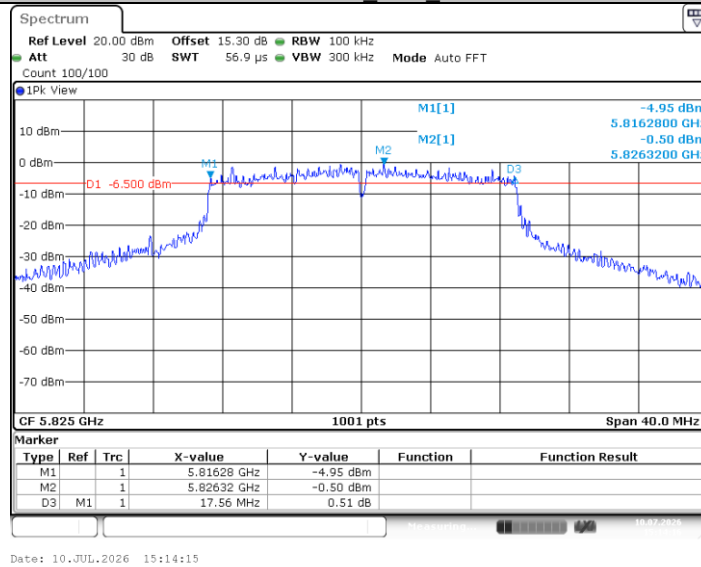
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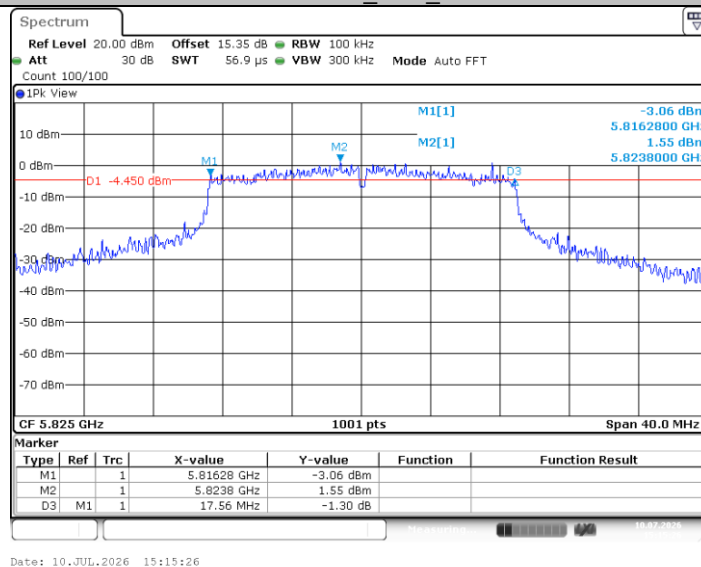
11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N20MIMO_Ant3_5825



11N40MIMO_Ant1_5755

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Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

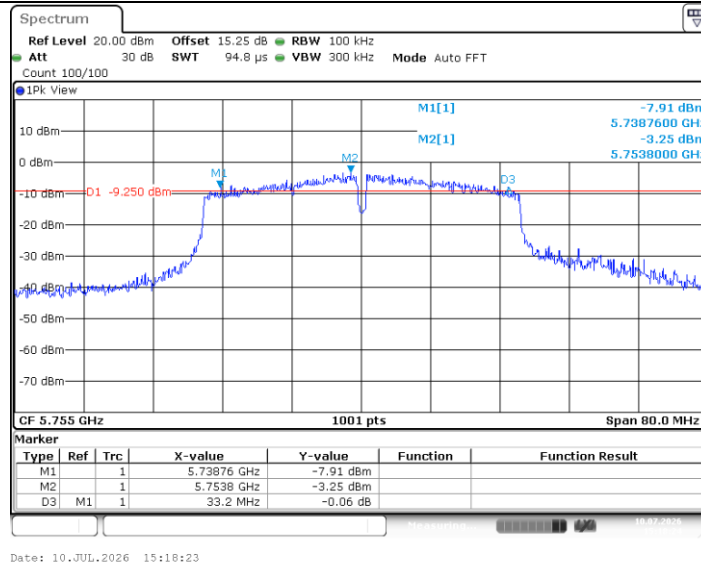
Tel.: (86)755-27521059

Fax: (86)755-27521011

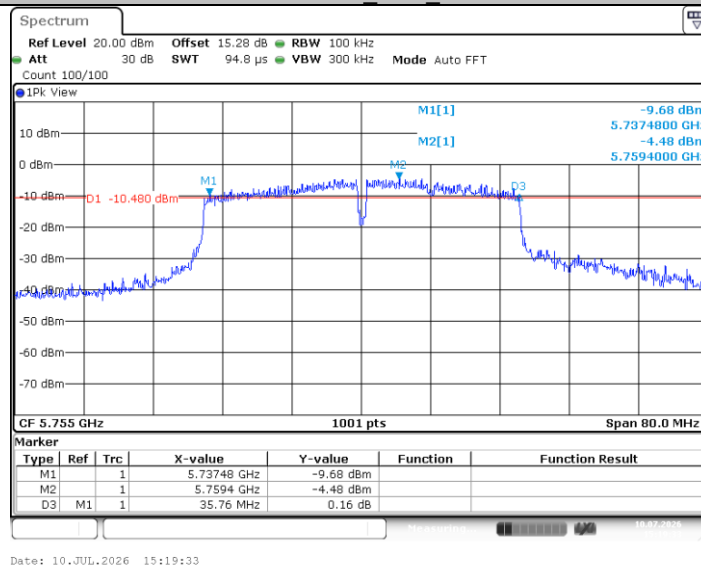
Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

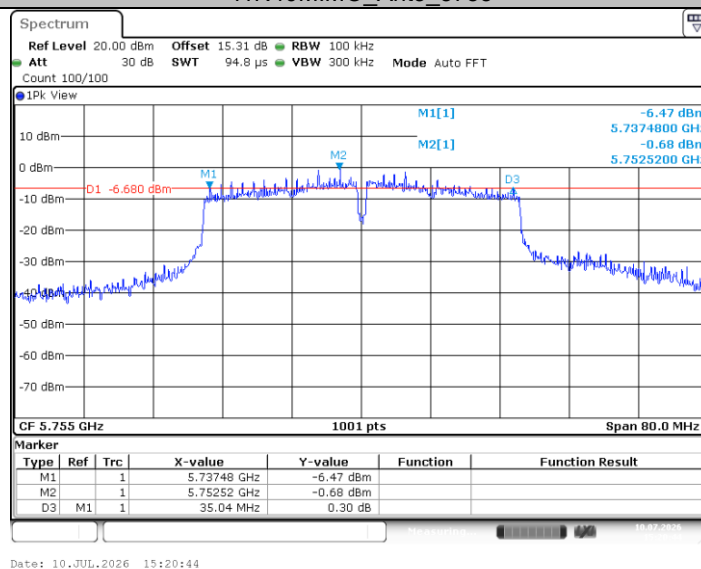
Master TRF : Dated 2026-06-01



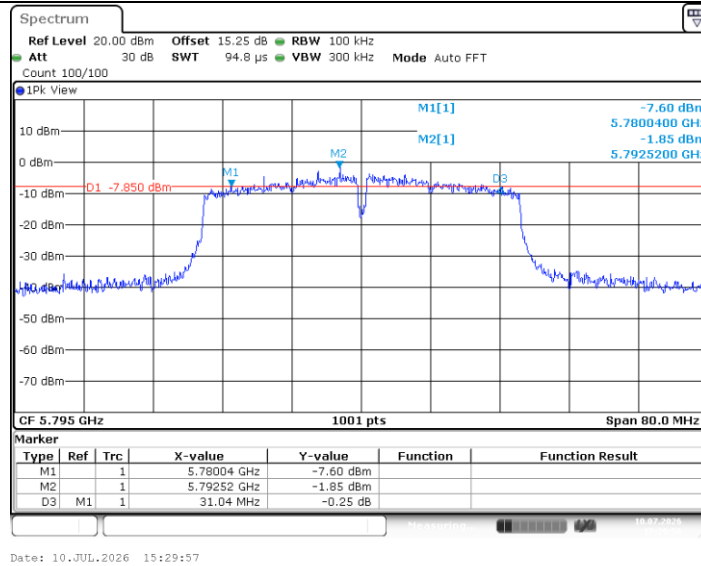
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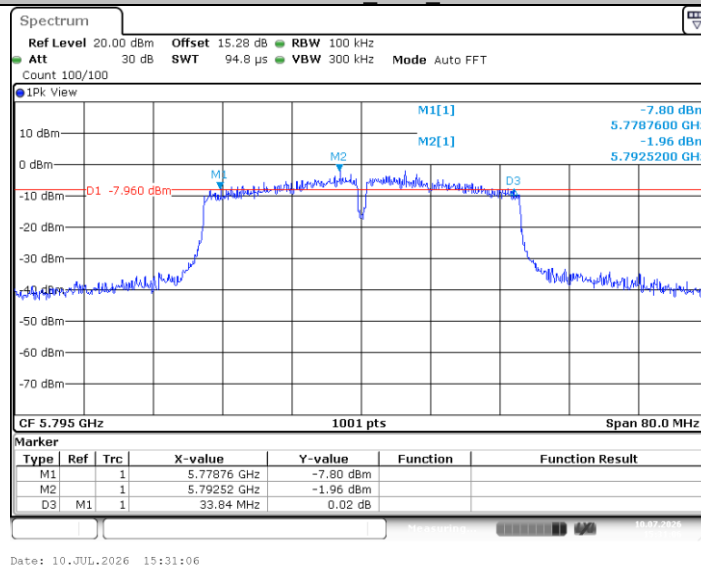
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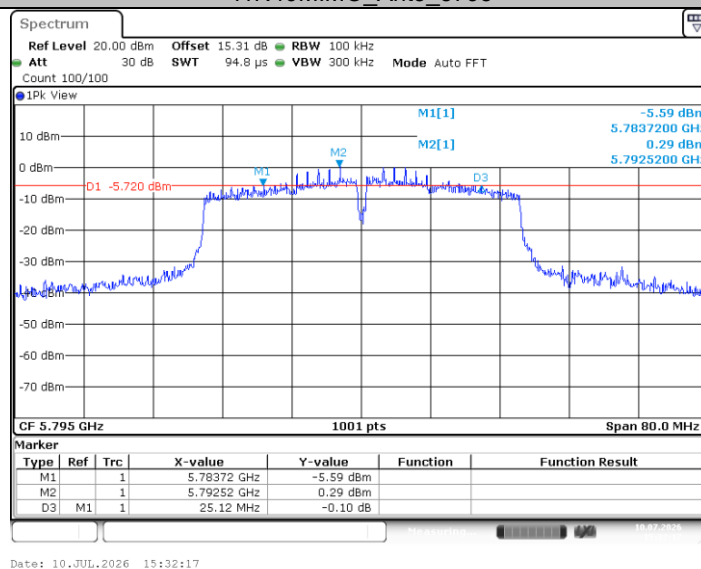
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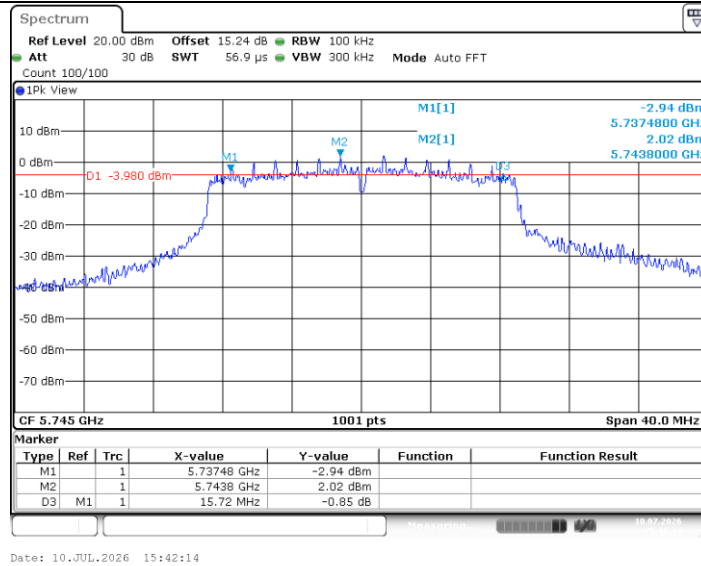
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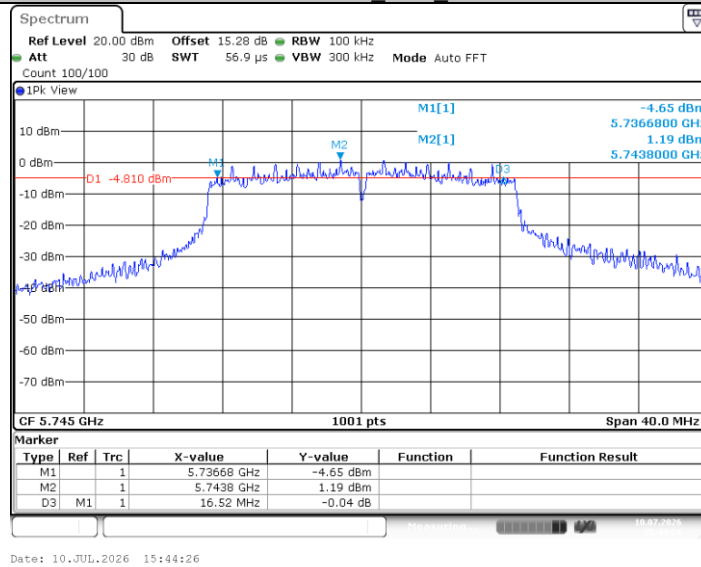
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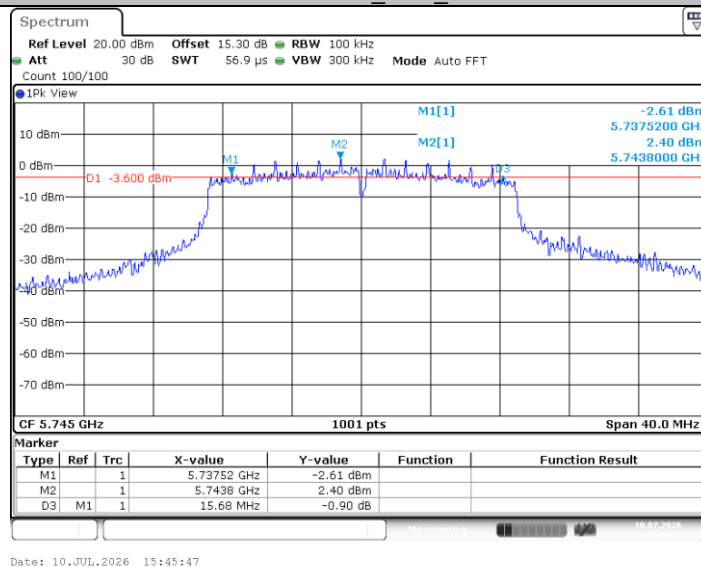
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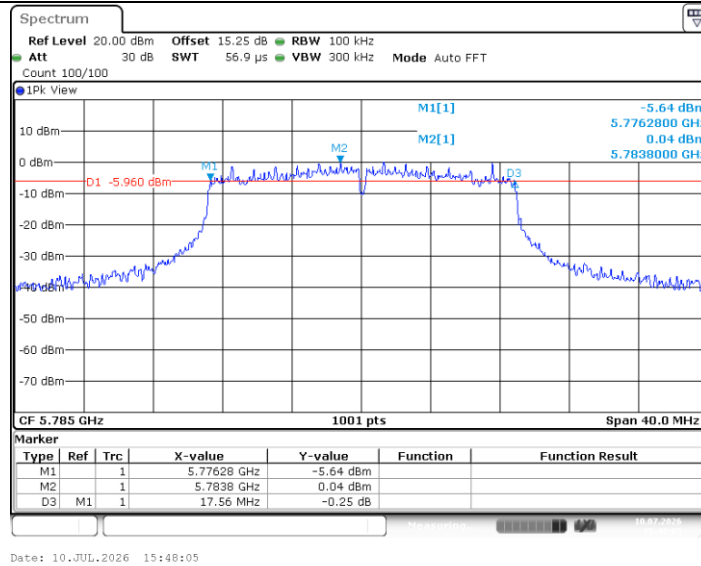
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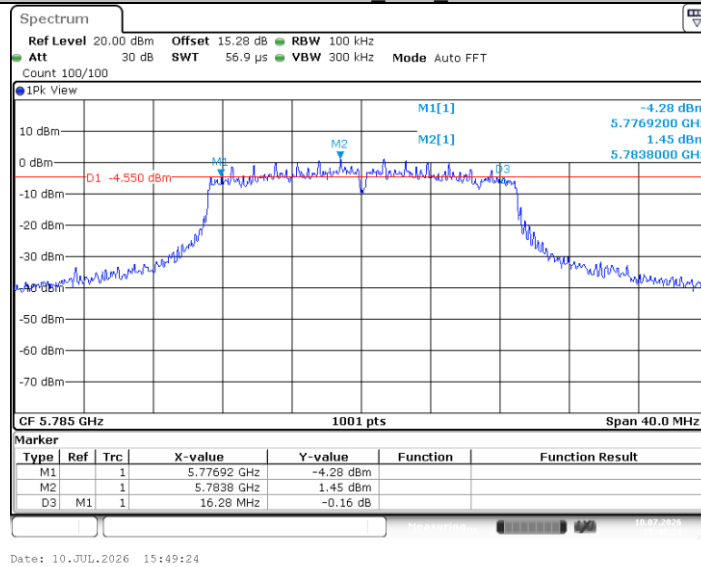
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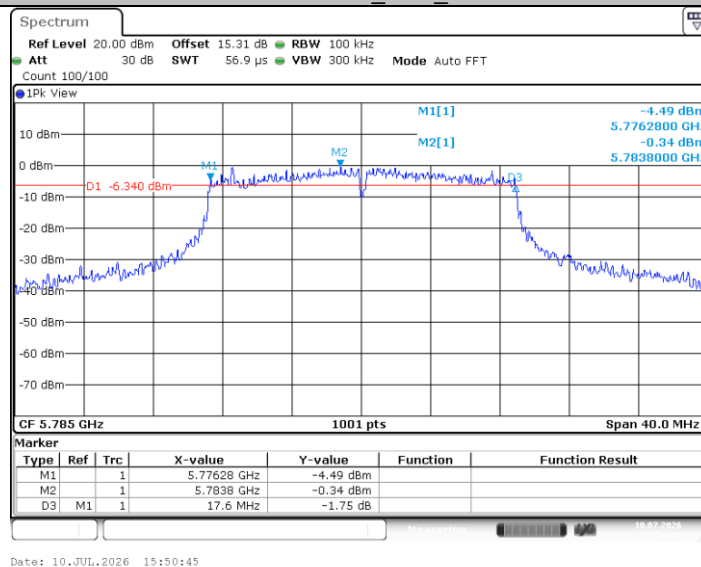
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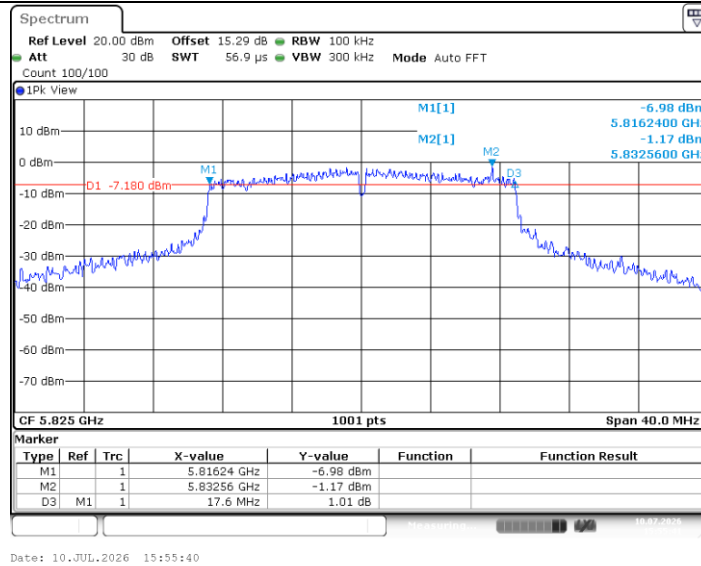
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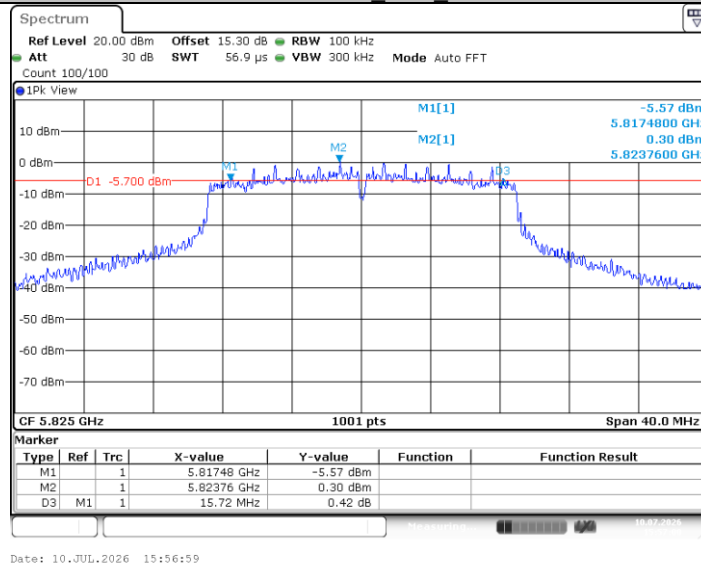
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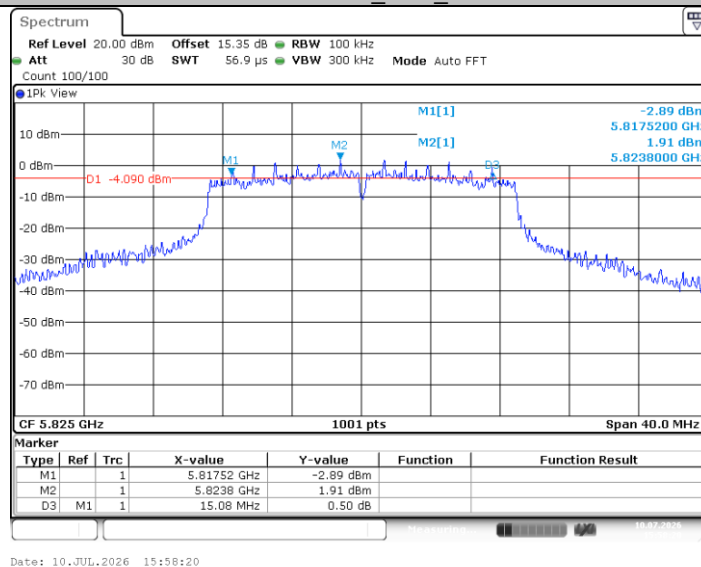
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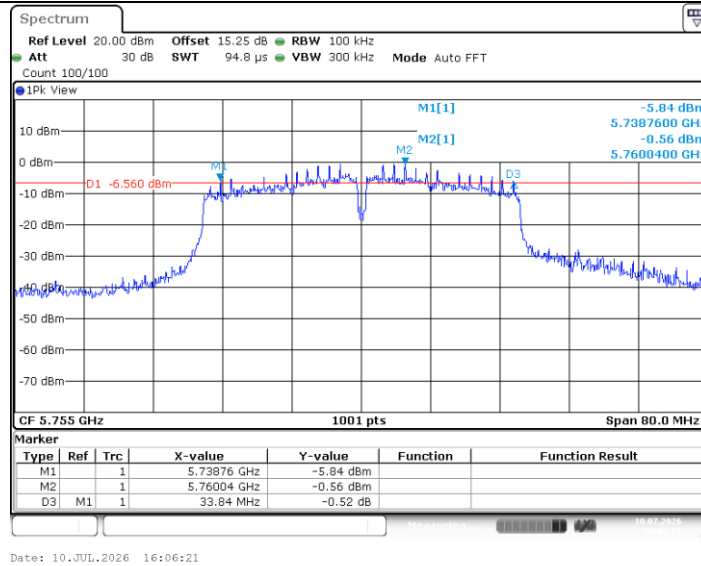
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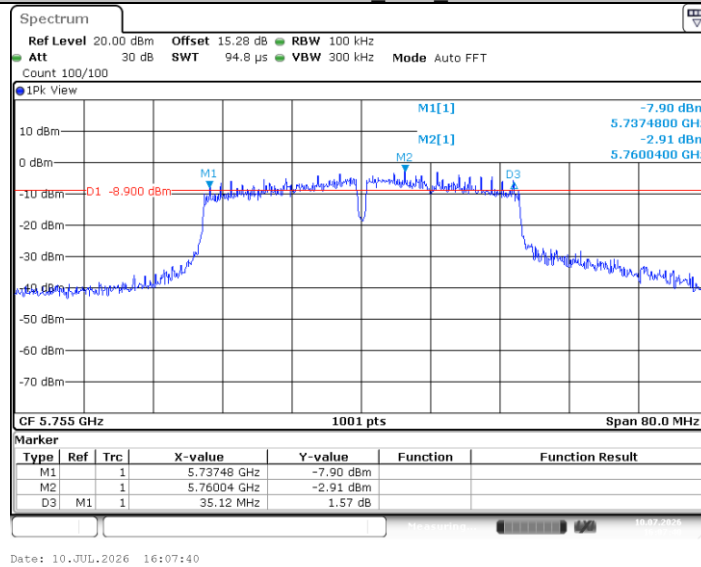
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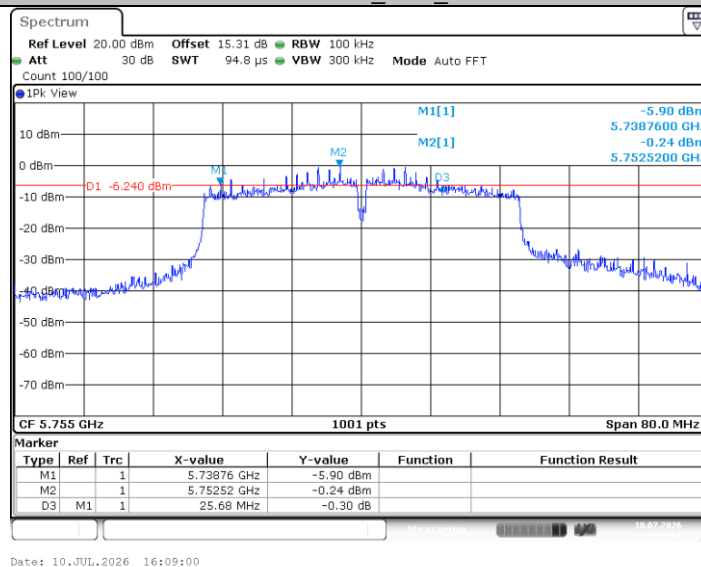
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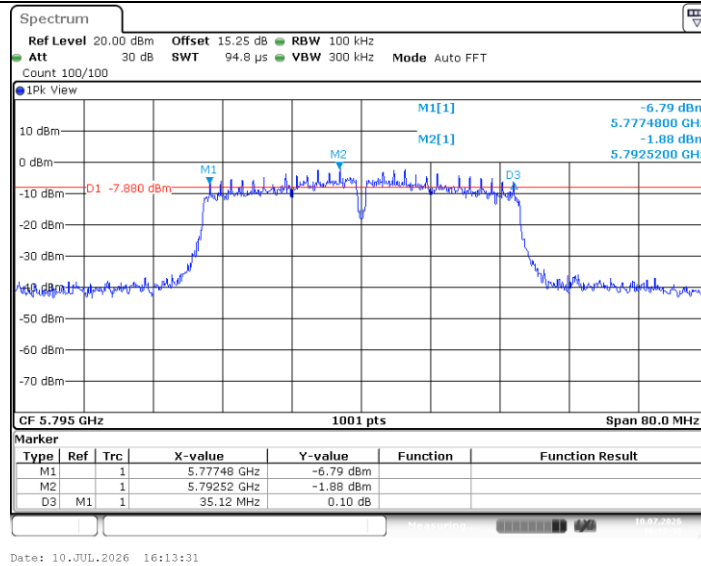
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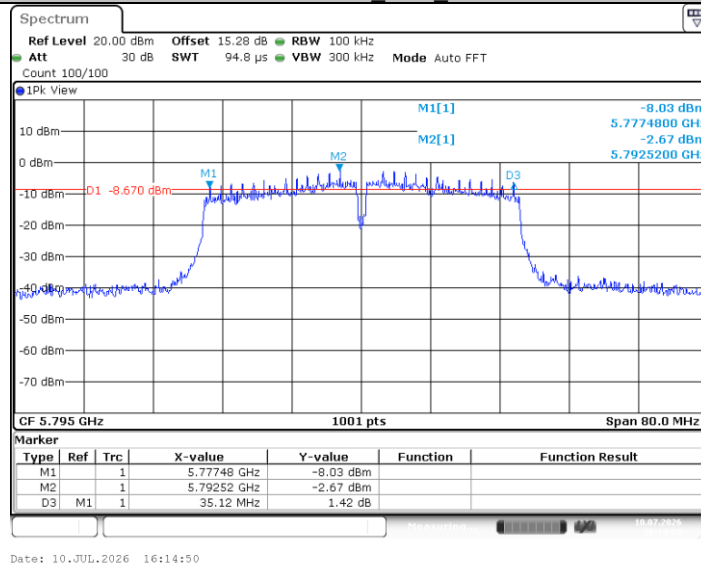
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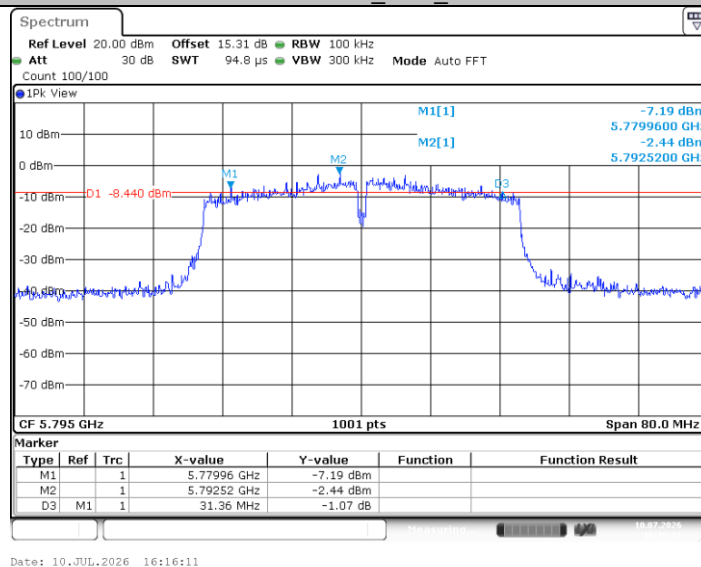
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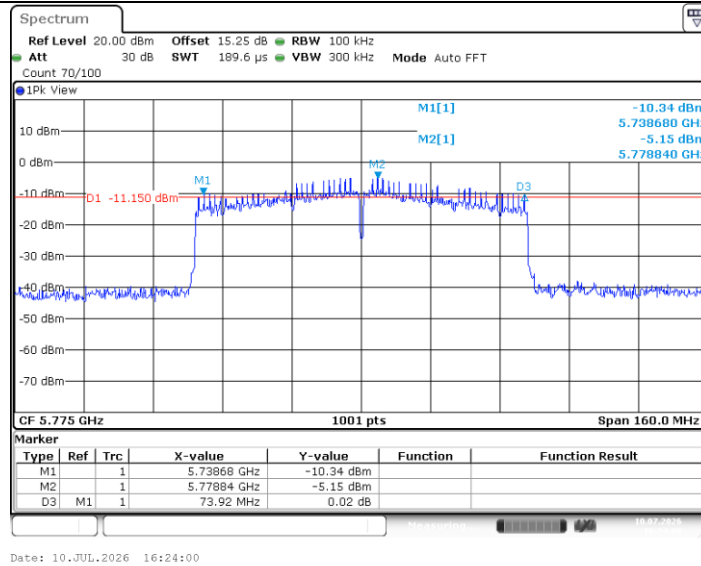
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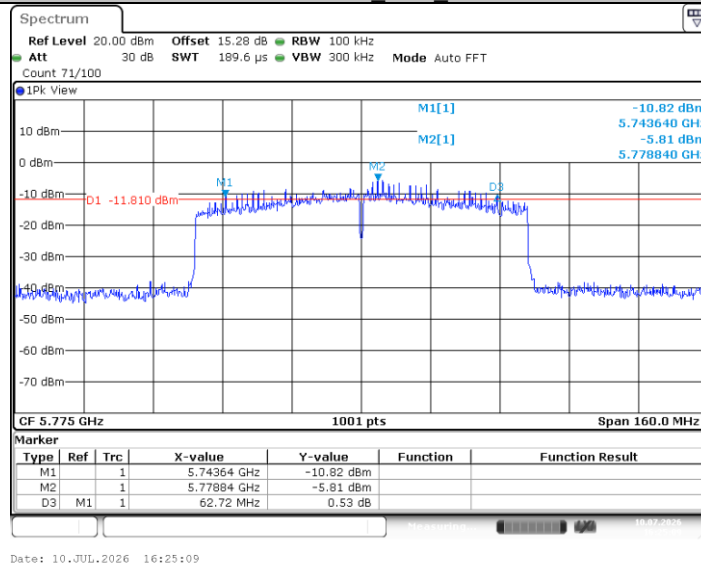
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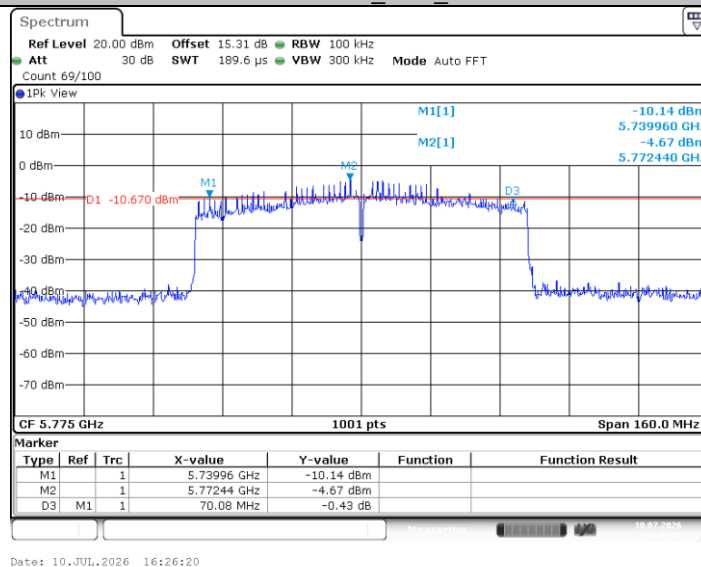
11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



11AC80MIMO_Ant3_5775



11AX20MIMO_Ant1_5745

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Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

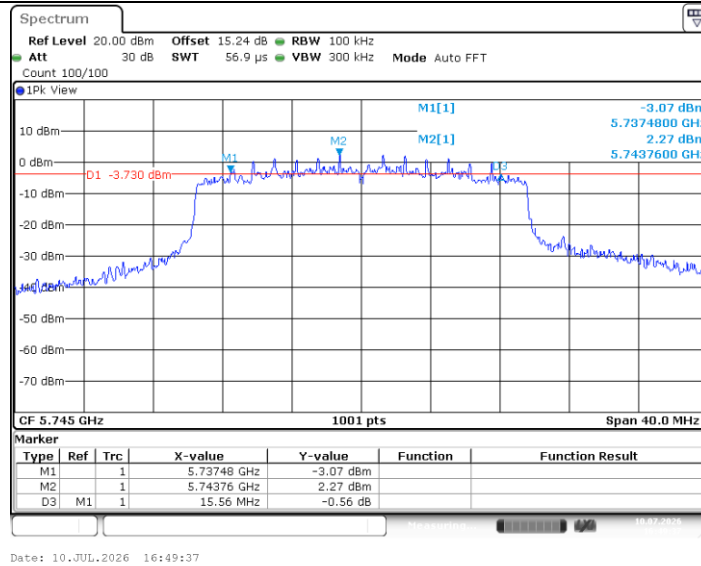
Tel.: (86)755-27521059

Fax: (86)755-27521011

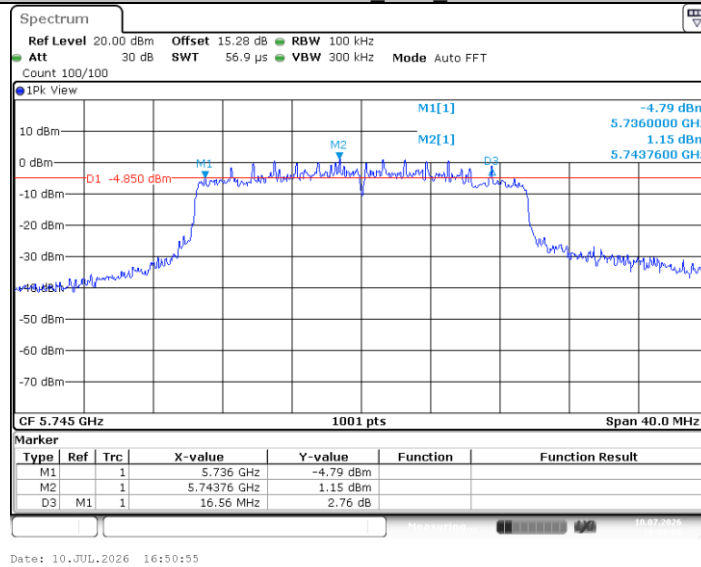
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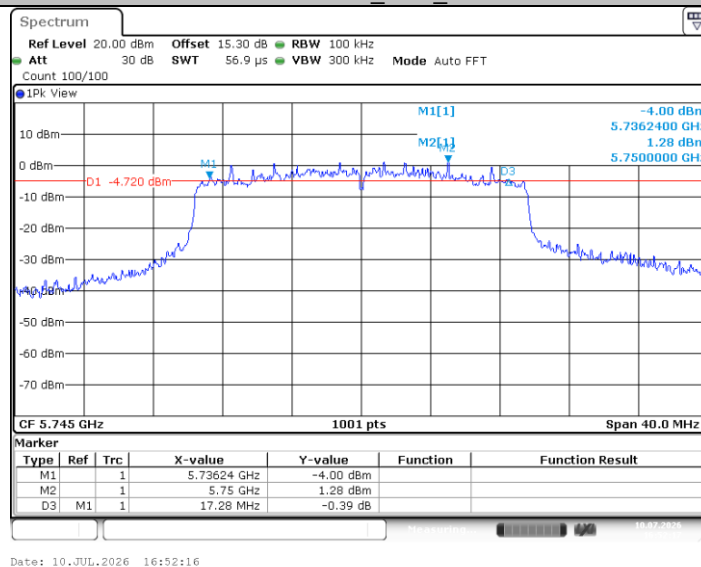
Master TRF : Dated 2026-06-01



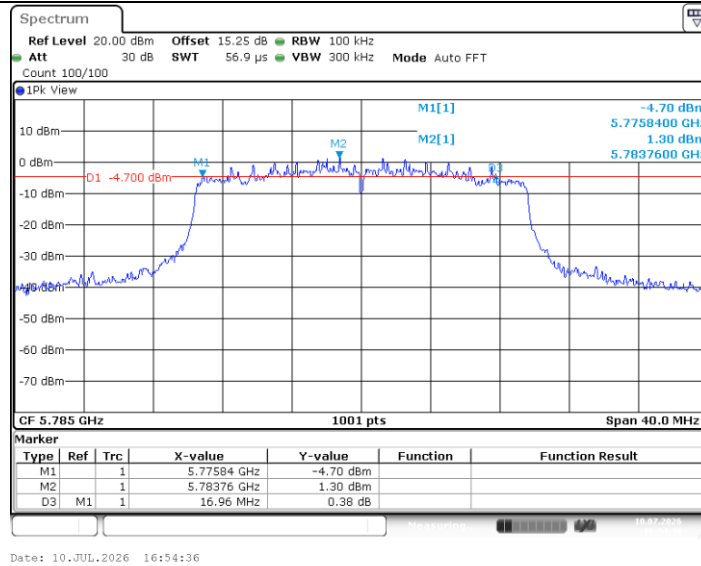
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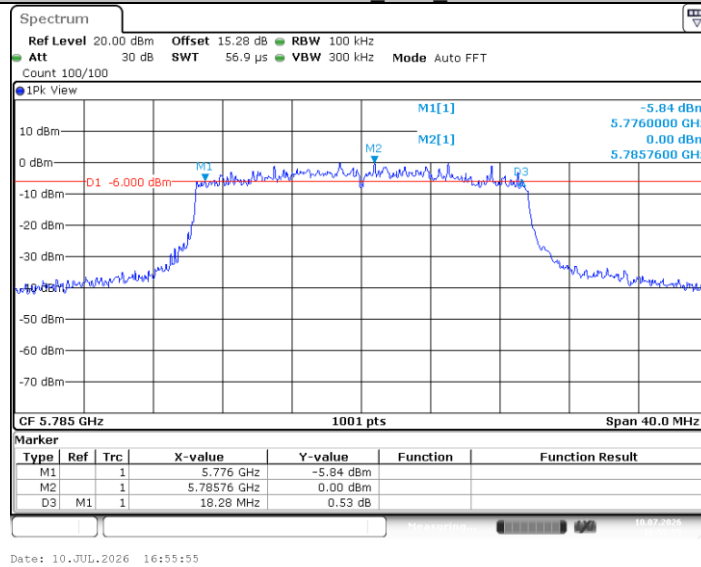
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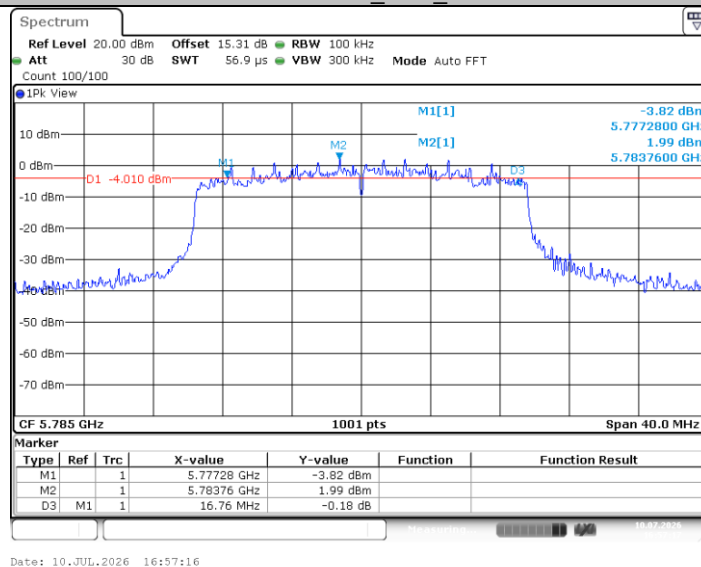
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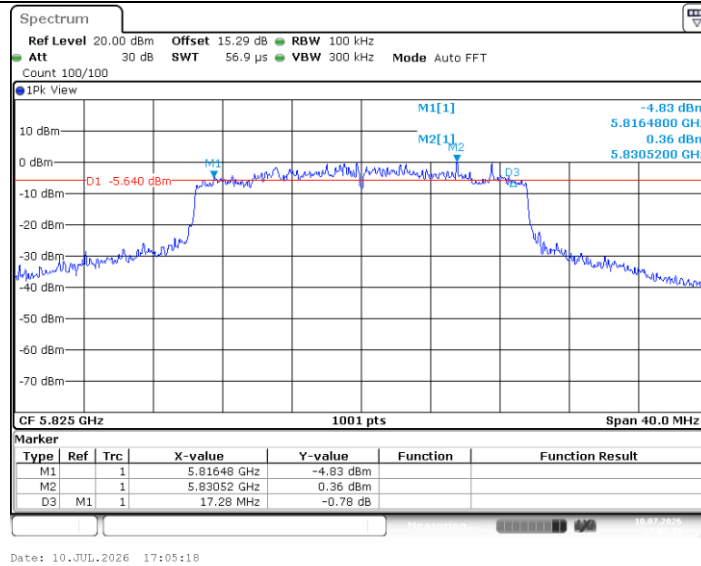
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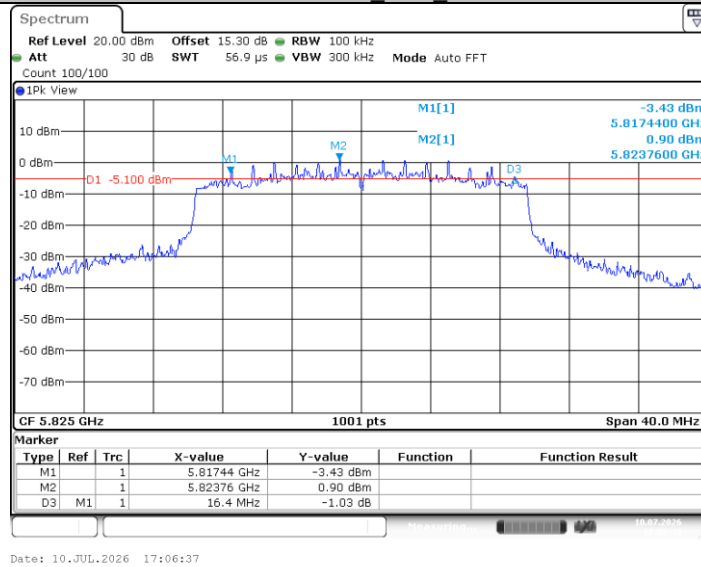
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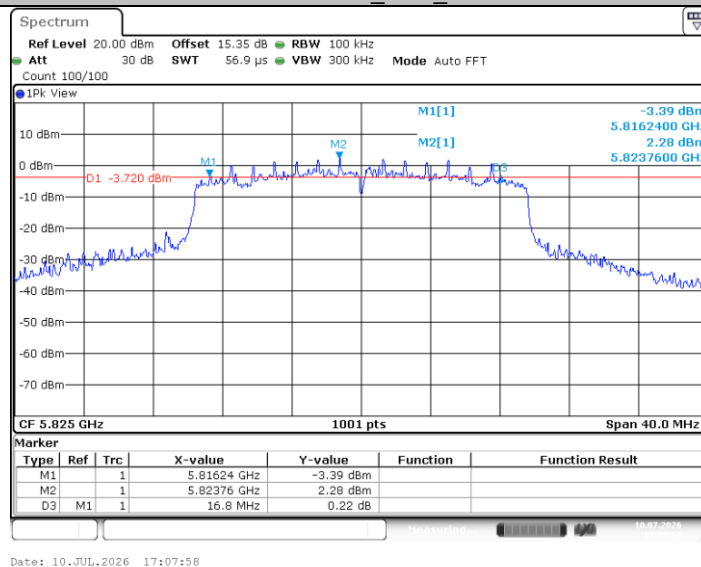
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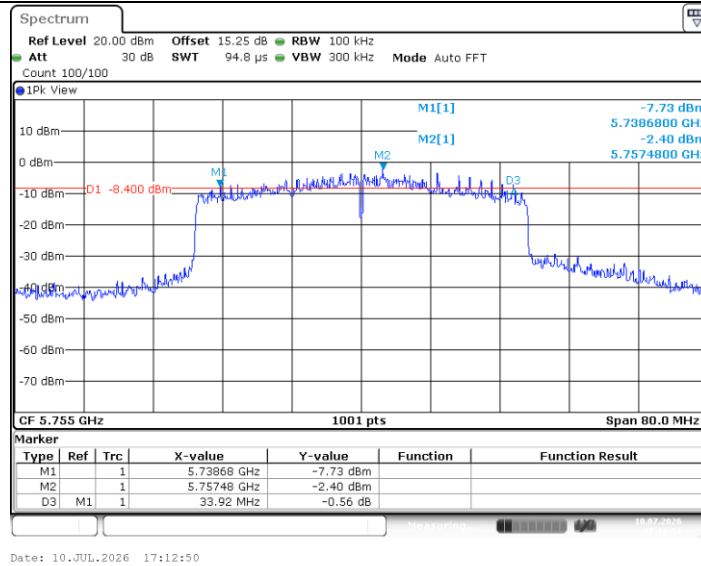
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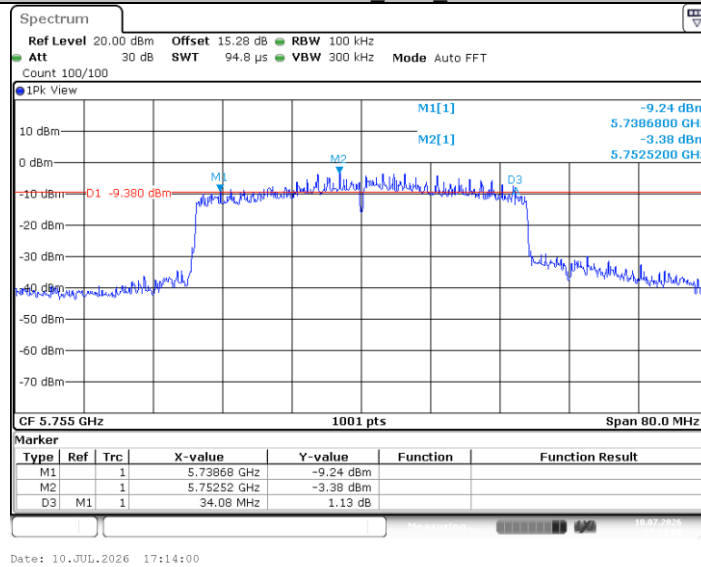
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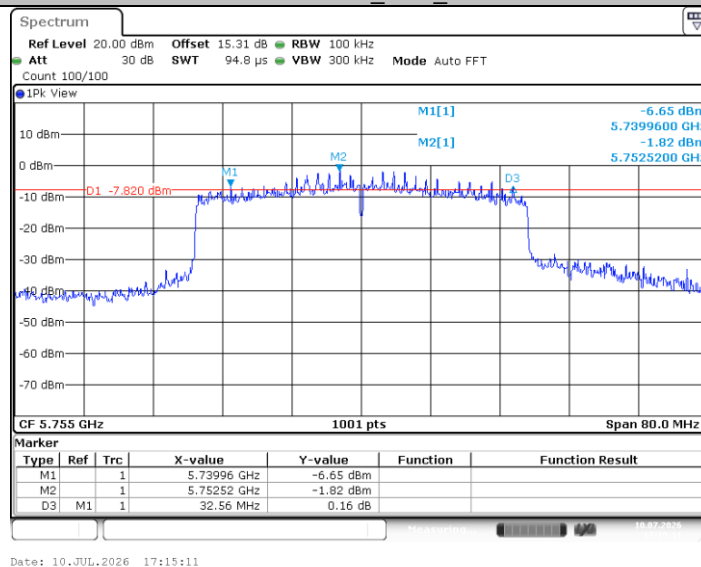
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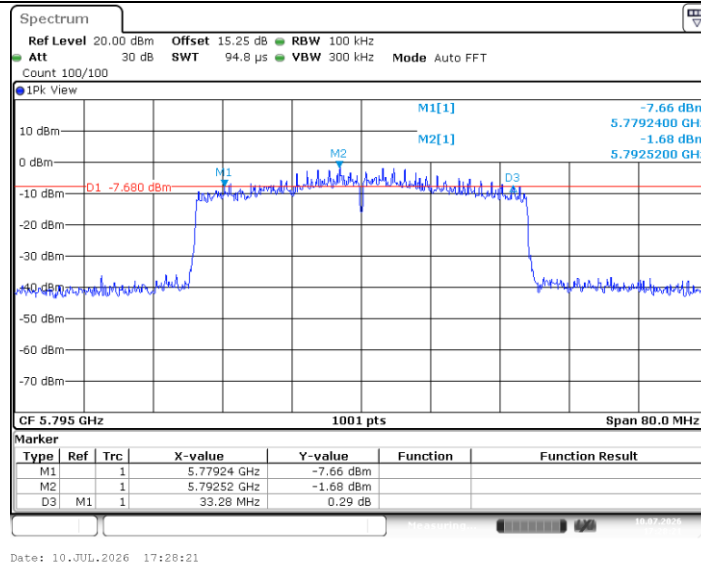
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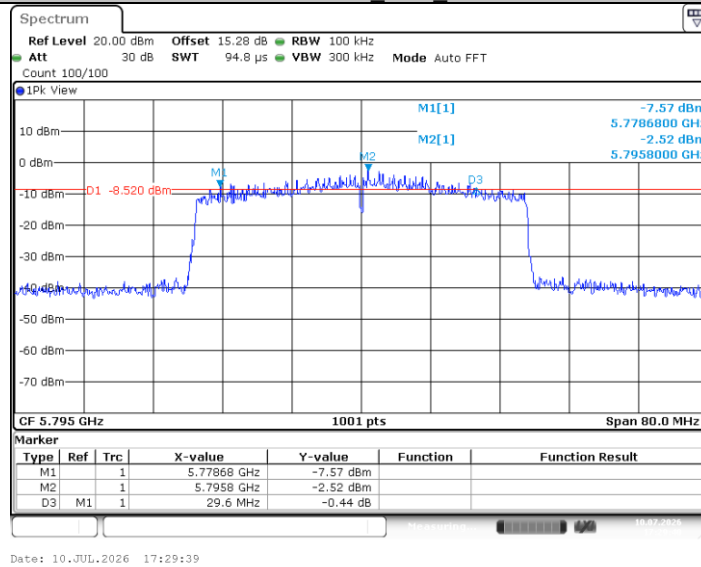
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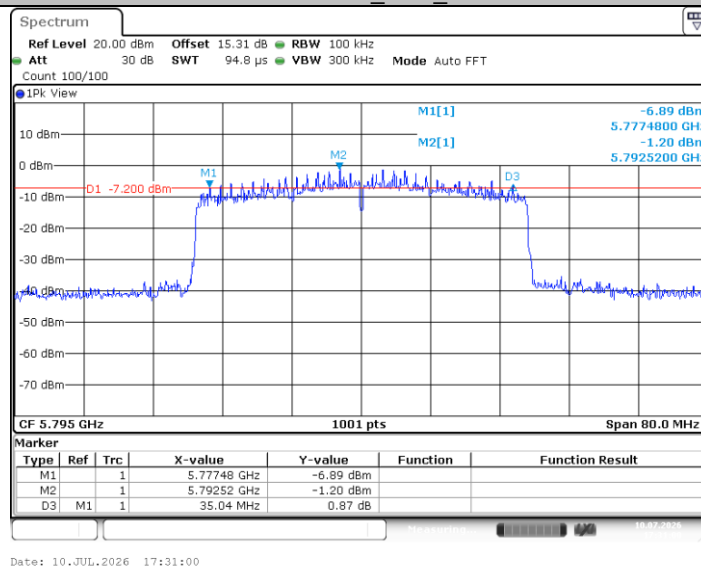
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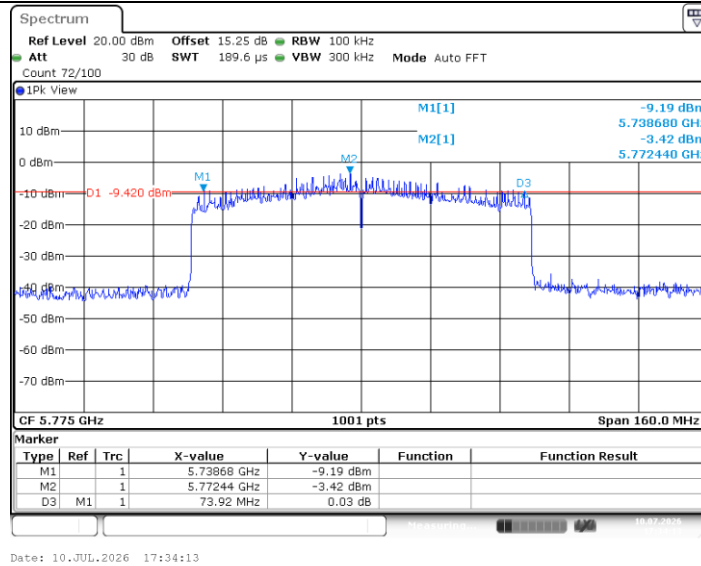
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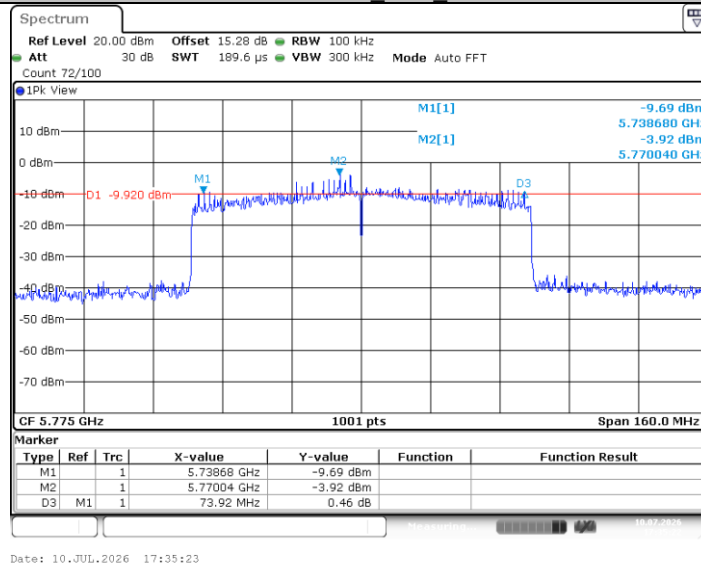
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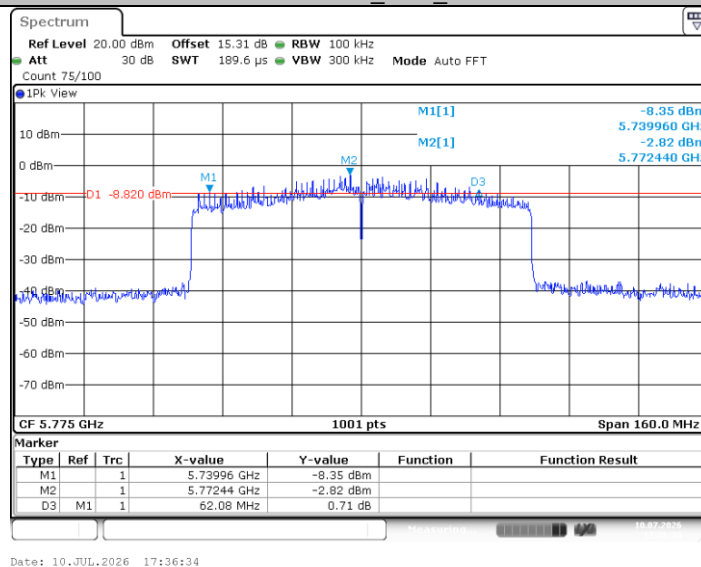
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11AX80MIMO_Ant2_5775



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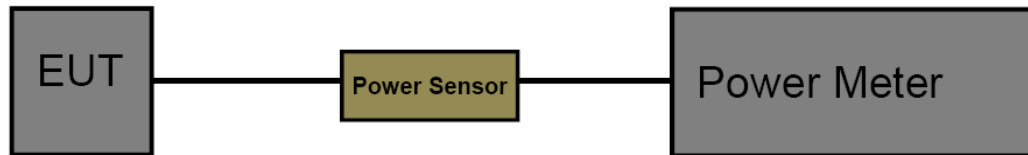
3.5. Output Power

Limit

FCC CFR Title 47 Part 15 Subpart E Section 15.407(a)

Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	Fixed: 1 Watt (30dBm) Mobile and Portable: 250mW (24dBm)	5150~5250
	250mW (24dBm)	5250~5350
	250mW (24dBm)	5500~5700
	1 Watt (30dBm)	5725~5850

Test Configuration



Test Procedure

The measurement is according to section 3 of KDB 789033 D02 General UNII Test Procedures New Rules V02r01.

Test Mode

Please refer to the clause 2.4.

Test Result

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	17.80	≤22.64	PASS
	Ant2	5745	18.07	≤22.64	PASS
	Ant3	5745	17.52	≤22.64	PASS
	Ant1	5785	17.79	≤22.64	PASS
	Ant2	5785	17.83	≤22.64	PASS
	Ant3	5785	17.79	≤22.64	PASS
	Ant1	5825	17.96	≤22.64	PASS
	Ant2	5825	17.85	≤22.64	PASS
	Ant3	5825	17.39	≤22.64	PASS
11N20MIMO	Ant1	5745	12.82	/	PASS
	Ant2	5745	11.91	/	PASS
	Ant3	5745	13.05	/	PASS
	total	5745	17.39	≤17.87	PASS
	Ant1	5785	12.58	/	PASS
	Ant2	5785	12.15	/	PASS
	Ant3	5785	13.08	/	PASS
	total	5785	17.39	≤17.87	PASS
	Ant1	5825	12.46	/	PASS
	Ant2	5825	11.98	/	PASS
	Ant3	5825	13.66	/	PASS
	total	5825	17.53	≤17.87	PASS
11N40MIMO	Ant1	5755	12.37	/	PASS
	Ant2	5755	11.46	/	PASS
	Ant3	5755	12.48	/	PASS
	total	5755	16.90	≤17.87	PASS
	Ant1	5795	11.78	/	PASS
	Ant2	5795	11.57	/	PASS
	Ant3	5795	12.77	/	PASS
	total	5795	16.84	≤17.87	PASS
11AC20MIMO	Ant1	5745	12.71	/	PASS
	Ant2	5745	11.86	/	PASS
	Ant3	5745	13.01	/	PASS
	total	5745	17.32	≤17.87	PASS
	Ant1	5785	12.52	/	PASS
	Ant2	5785	12.13	/	PASS
	Ant3	5785	13.01	/	PASS
	total	5785	17.34	≤17.87	PASS
	Ant1	5825	12.42	/	PASS
	Ant2	5825	11.97	/	PASS
	Ant3	5825	13.67	/	PASS
	total	5825	17.52	≤17.87	PASS
11AC40MIMO	Ant1	5755	12.42	/	PASS
	Ant2	5755	11.39	/	PASS
	Ant3	5755	12.46	/	PASS
	total	5755	16.89	≤17.87	PASS
	Ant1	5795	11.86	/	PASS
	Ant2	5795	11.62	/	PASS
	Ant3	5795	13.00	/	PASS
	total	5795	16.97	≤17.87	PASS
11AC80MIMO	Ant1	5775	11.68	/	PASS
	Ant2	5775	11.23	/	PASS
	Ant3	5775	12.02	/	PASS
	total	5775	16.43	≤17.87	PASS
11AX20MIMO	Ant1	5745	12.96	/	PASS
	Ant2	5745	12.16	/	PASS
	Ant3	5745	13.36	/	PASS
	total	5745	17.63	≤17.87	PASS
	Ant1	5785	12.75	/	PASS
	Ant2	5785	12.43	/	PASS
	Ant3	5785	13.38	/	PASS
	total	5785	17.64	≤17.87	PASS
	Ant1	5825	12.30	/	PASS

	Ant2	5825	11.87	/	PASS
	Ant3	5825	13.54	/	PASS
	total	5825	17.40	≤ 17.87	PASS
11AX40MIMO	Ant1	5755	11.78	/	PASS
	Ant2	5755	11.07	/	PASS
	Ant3	5755	11.97	/	PASS
	total	5755	16.39	≤ 17.87	PASS
	Ant1	5795	11.63	/	PASS
	Ant2	5795	11.12	/	PASS
	Ant3	5795	12.17	/	PASS
	total	5795	16.43	≤ 17.87	PASS
11AX80MIMO	Ant1	5775	11.75	/	PASS
	Ant2	5775	11.20	/	PASS
	Ant3	5775	12.08	/	PASS
	total	5775	16.46	≤ 17.87	PASS

3.6. Power Spectral Density

Limit

FCC CFR Title 47 Part 15 Subpart E Section 15.407(a)

For the 5.15~5.25GHz band:

- Outdoor AP
The peak power spectral density (PSD) shall not exceed the lesser of 17dBm/MHz.
If $G_{TX} > 6\text{dBi}$, then $\text{PSD} = 17 - (G_{TX} - 6)$.
- Indoor AP
The peak power spectral density (PSD) shall not exceed the lesser of 17dBm/MHz.
If $G_{TX} > 6\text{dBi}$, then $\text{PSD} = 17 - (G_{TX} - 6)$.
- Point-to-point AP
The peak power spectral density (PSD) shall not exceed the lesser of 17dBm/MHz.
If $G_{TX} > 23\text{dBi}$, then $\text{PSD} = 17 - (G_{TX} - 23)$.
- Client devices
The peak power spectral density (PSD) shall not exceed the lesser of 11dBm/MHz.
If $G_{TX} > 6\text{dBi}$, then $\text{PSD} = 11 - (G_{TX} - 6)$.

For the 5.25~5.35GHz band:

The peak power spectral density (PSD) shall not exceed the lesser of 11dBm/MHz.
If $G_{TX} > 6\text{dBi}$, then $\text{PSD} = 11 - (G_{TX} - 6)$.

For the 5.47~5.725GHz band:

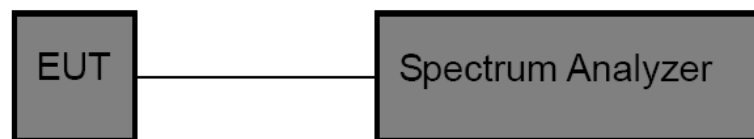
The peak power spectral density (PSD) shall not exceed the lesser of 11dBm/MHz.
If $G_{TX} > 6\text{dBi}$, then $\text{PSD} = 11 - (G_{TX} - 6)$.

For the 5.725~5.85GHz band:

- Point-to-multipoint systems (P2M)
The peak power spectral density (PSD) shall not exceed the lesser of 30dBm/500kHz.
If $G_{TX} > 6\text{dBi}$, then $\text{PSD} = 30 - (G_{TX} - 6)$.
- Point-to-point systems (P2P)
The peak power spectral density (PSD) shall not exceed the lesser of 30dBm/500kHz.

Note: G_{TX} : EUT Antenna gain.

Test Configuration



Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement is according to KDB 789033 D02 General UNII Test Procedures New Rules V02r01.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyzer center frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW) (alternatively, the entire 99% OBW) of the signal.
- (4) RBW=1MHz for devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz
RBW=500kHz for devices operating in the band 5.725-5.85 GHz.

(5) Set the VBW to: ≥ 3 RBW

(6) Detector: AVG

(7) Trace: Max Hold and View

(7) Sweep time: auto

(8) Trace average at least 100 traces in power averaging.

(9) User the peak marker function to determine the maximum amplitude level within the RBW. Apply correction to the result if different RBW is used.

NOTE: The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.

Test Mode

Please refer to the clause 2.4.

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	4.39	≤ 22.64	PASS
	Ant2	5745	5.08	≤ 22.64	PASS
	Ant3	5745	4.03	≤ 22.64	PASS
	Ant1	5785	4.77	≤ 22.64	PASS
	Ant2	5785	4.47	≤ 22.64	PASS
	Ant3	5785	4.61	≤ 22.64	PASS
	Ant1	5825	4.45	≤ 22.64	PASS
	Ant2	5825	4.62	≤ 22.64	PASS
11N20MIMO	Ant3	5825	4.05	≤ 22.64	PASS
	Ant1	5745	-0.46	/	PASS
	Ant2	5745	-1.87	/	PASS
	Ant3	5745	-0.47	/	PASS
	total	5745	3.89	≤ 17.87	PASS
	Ant1	5785	-0.90	/	PASS
	Ant2	5785	-1.15	/	PASS
	Ant3	5785	-0.41	/	PASS
	total	5785	3.96	≤ 17.87	PASS
	Ant1	5825	-1.21	/	PASS
	Ant2	5825	-1.46	/	PASS
	Ant3	5825	0.04	/	PASS
11N40MIMO	total	5825	3.95	≤ 17.87	PASS
	Ant1	5755	-3.79	/	PASS
	Ant2	5755	-4.96	/	PASS
	Ant3	5755	-3.56	/	PASS
	total	5755	0.71	≤ 17.87	PASS
	Ant1	5795	-3.85	/	PASS
	Ant2	5795	-4.23	/	PASS
	Ant3	5795	-2.75	/	PASS
11AC20MIMO	total	5795	1.21	≤ 17.87	PASS
	Ant1	5745	-0.98	/	PASS
	Ant2	5745	-1.79	/	PASS
	Ant3	5745	-0.26	/	PASS
	total	5745	3.81	≤ 17.87	PASS
	Ant1	5785	-0.81	/	PASS
	Ant2	5785	-1.47	/	PASS
	Ant3	5785	-0.09	/	PASS
	total	5785	4.02	≤ 17.87	PASS
	Ant1	5825	-1.06	/	PASS
	Ant2	5825	-1.12	/	PASS
	Ant3	5825	0.12	/	PASS
11AC40MIMO	total	5825	4.12	≤ 17.87	PASS
	Ant1	5755	-3.44	/	PASS
	Ant2	5755	-4.40	/	PASS
	Ant3	5755	-3.56	/	PASS
	total	5755	0.99	≤ 17.87	PASS
	Ant1	5795	-4.07	/	PASS

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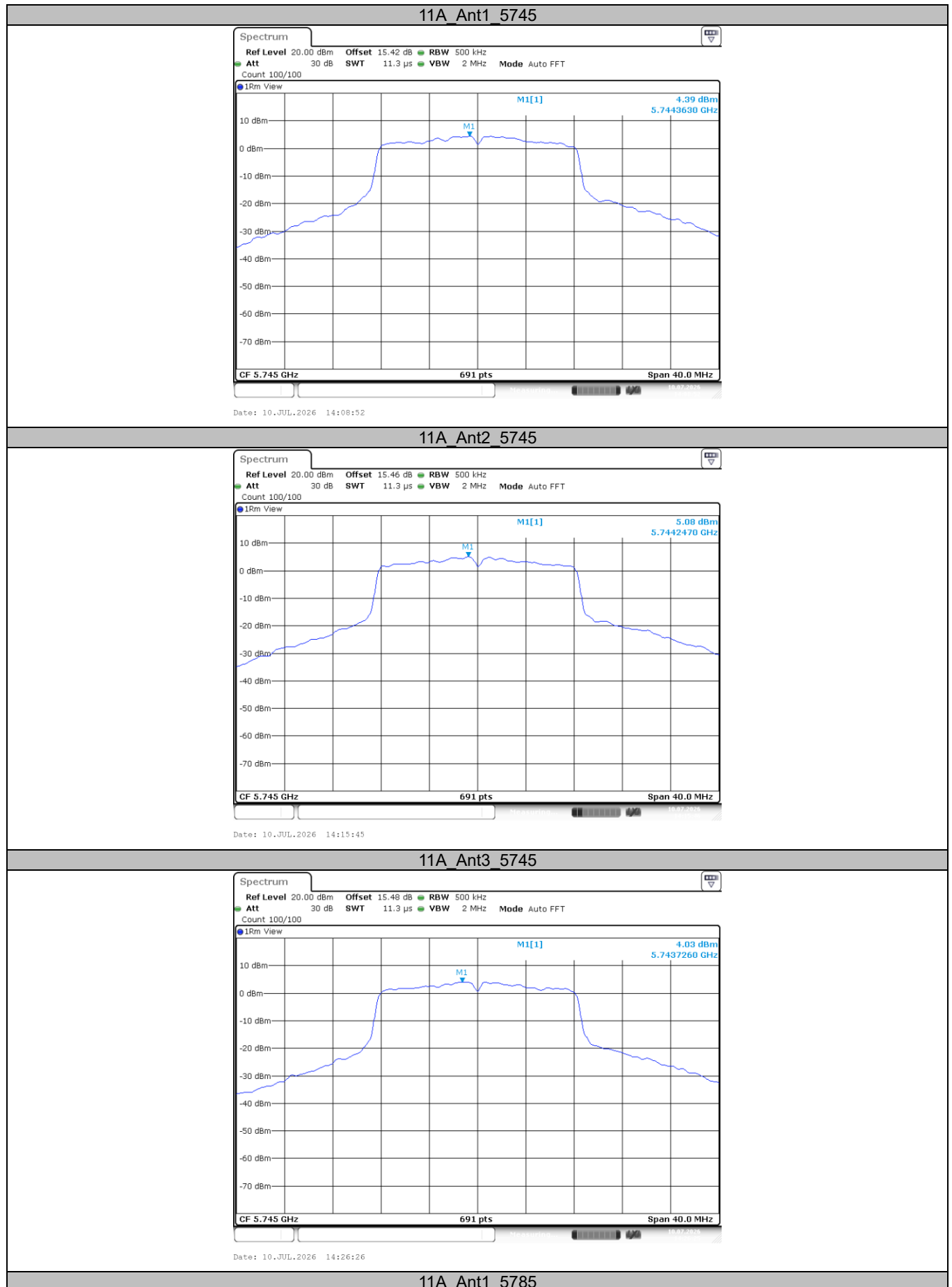
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

Master TRF : Dated 2026-06-01

	Ant2	5795	-4.32	/	PASS
	Ant3	5795	-2.96	/	PASS
	total	5795	1.03	≤ 17.87	PASS
11AC80MIMO	Ant1	5775	-6.52	/	PASS
	Ant2	5775	-7.01	/	PASS
	Ant3	5775	-5.92	/	PASS
	total	5775	-1.69	≤ 17.87	PASS
11AX20MIMO	Ant1	5745	-0.95	/	PASS
	Ant2	5745	-2.04	/	PASS
	Ant3	5745	-0.44	/	PASS
	total	5745	3.68	≤ 17.87	PASS
	Ant1	5785	-1.46	/	PASS
	Ant2	5785	-1.52	/	PASS
	Ant3	5785	-0.47	/	PASS
	total	5785	3.65	≤ 17.87	PASS
	Ant1	5825	-1.31	/	PASS
	Ant2	5825	-2.00	/	PASS
	Ant3	5825	-0.17	/	PASS
	total	5825	3.68	≤ 17.87	PASS
11AX40MIMO	Ant1	5755	-3.56	/	PASS
	Ant2	5755	-4.90	/	PASS
	Ant3	5755	-3.91	/	PASS
	total	5755	0.68	≤ 17.87	PASS
	Ant1	5795	-4.61	/	PASS
	Ant2	5795	-5.02	/	PASS
	Ant3	5795	-3.57	/	PASS
	total	5795	0.41	≤ 17.87	PASS
11AX80MIMO	Ant1	5775	-6.76	/	PASS
	Ant2	5775	-7.74	/	PASS
	Ant3	5775	-6.36	/	PASS
	total	5775	-2.14	≤ 17.87	PASS

Test Graphs:

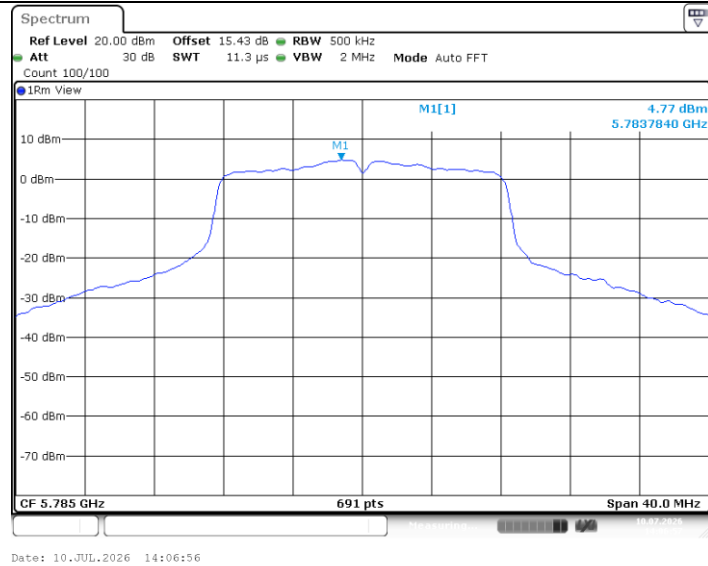


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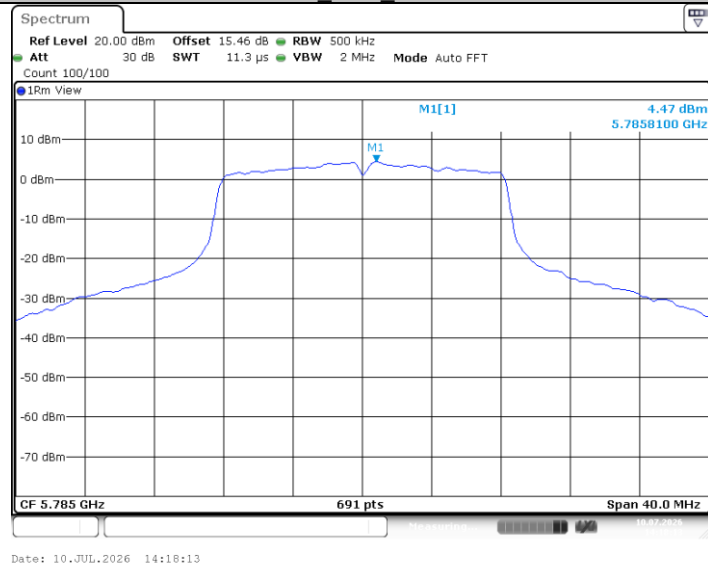
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

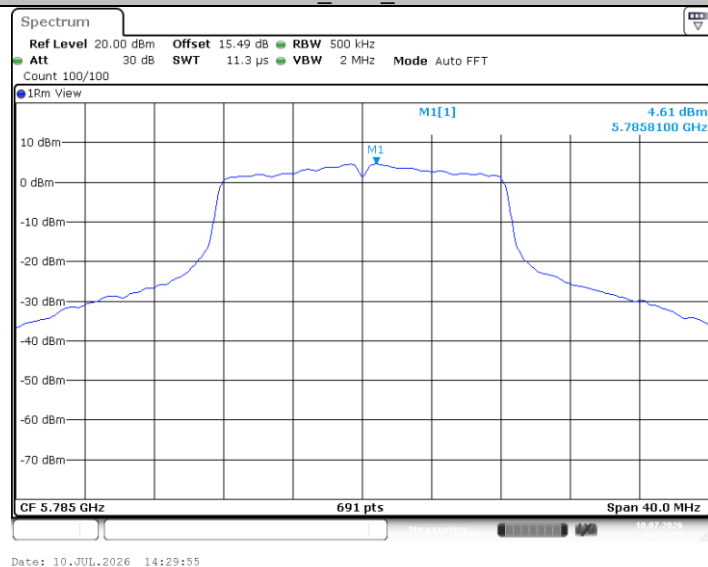
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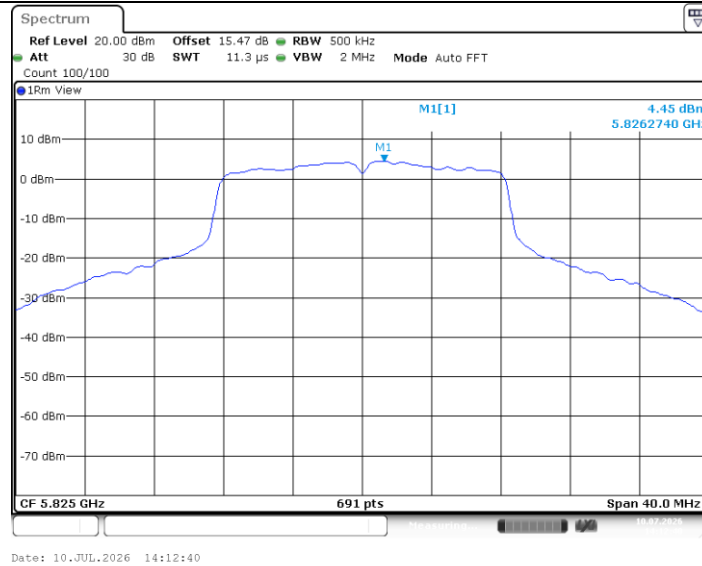
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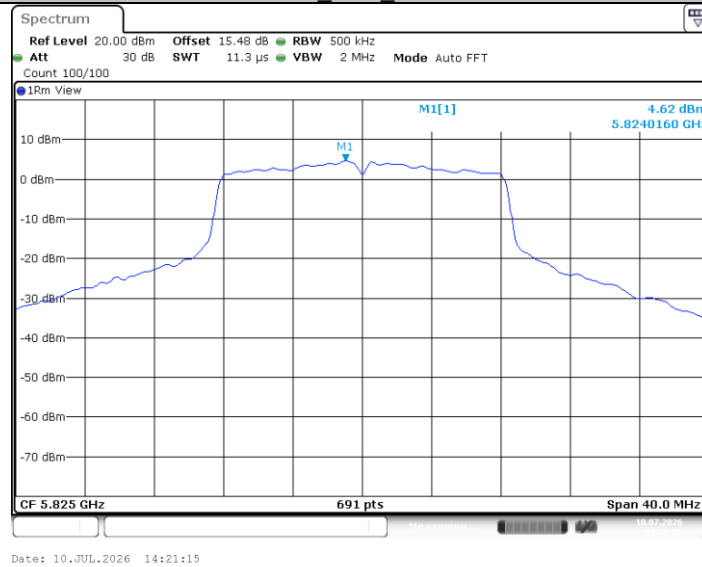
11A_Ant3_5785



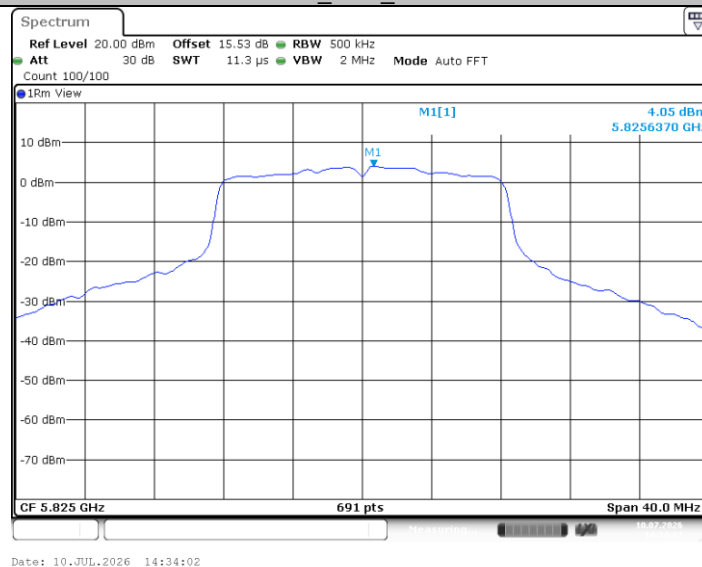
11A_Ant1_5825



11A_Ant2_5825



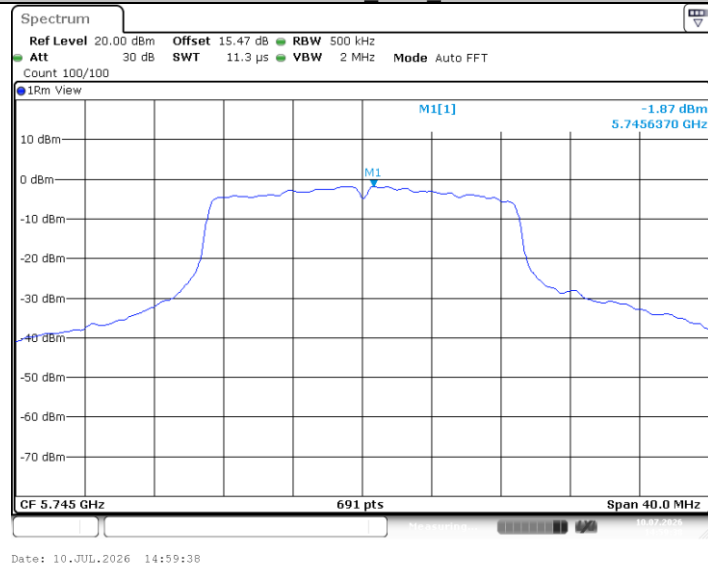
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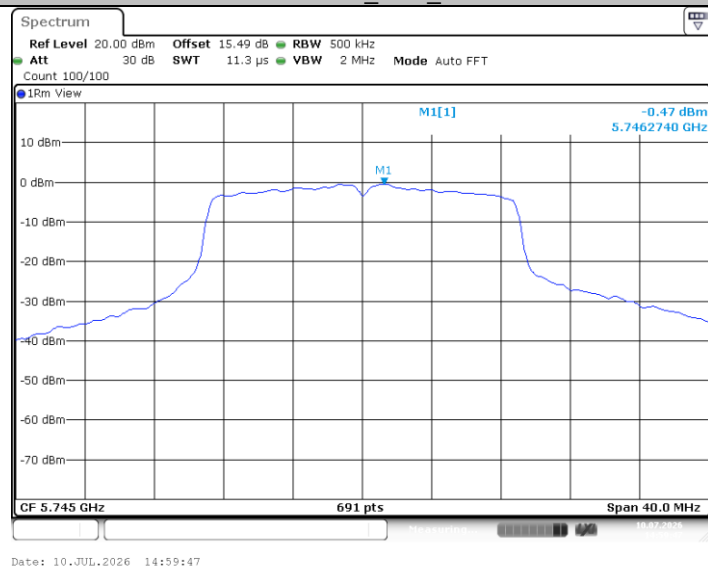
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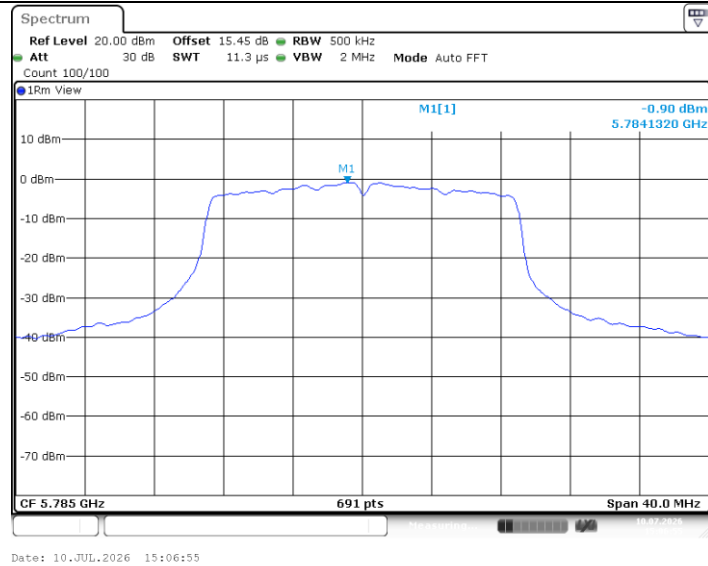
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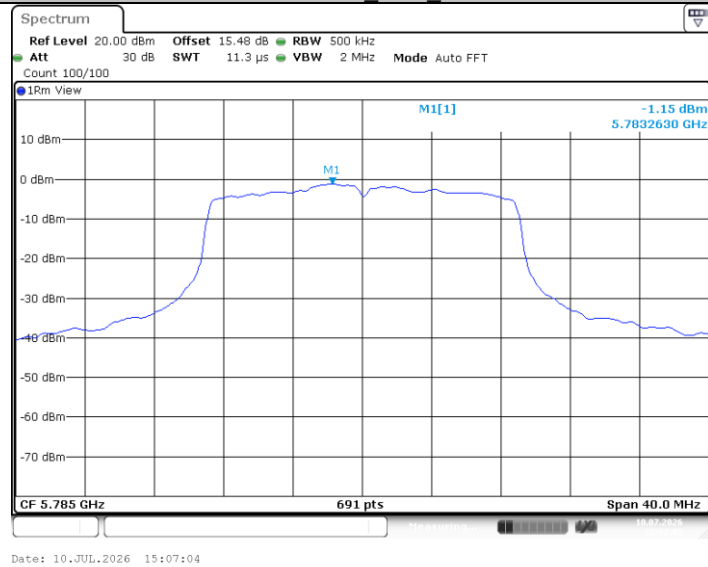
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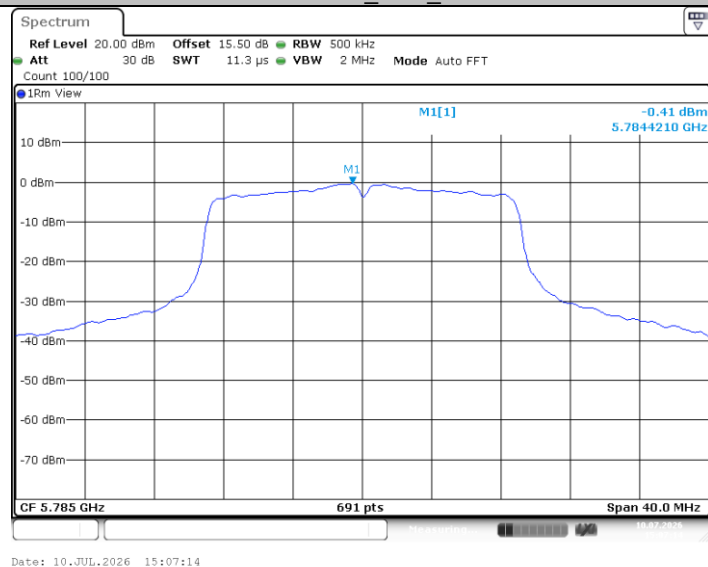
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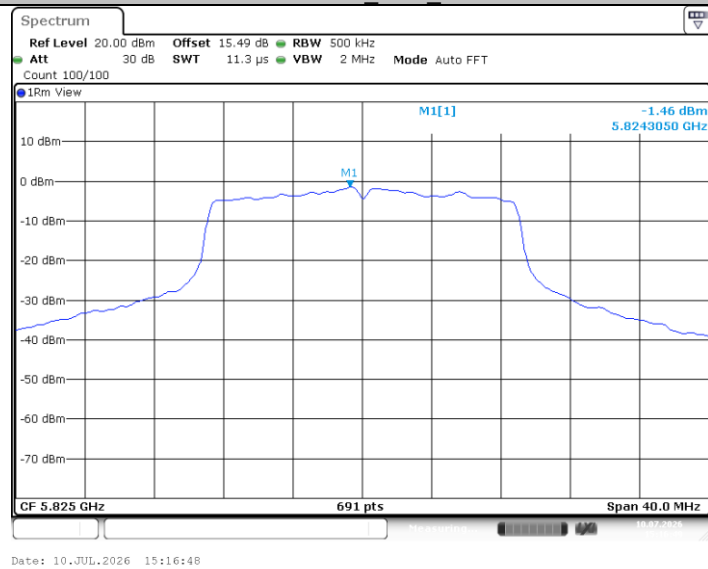
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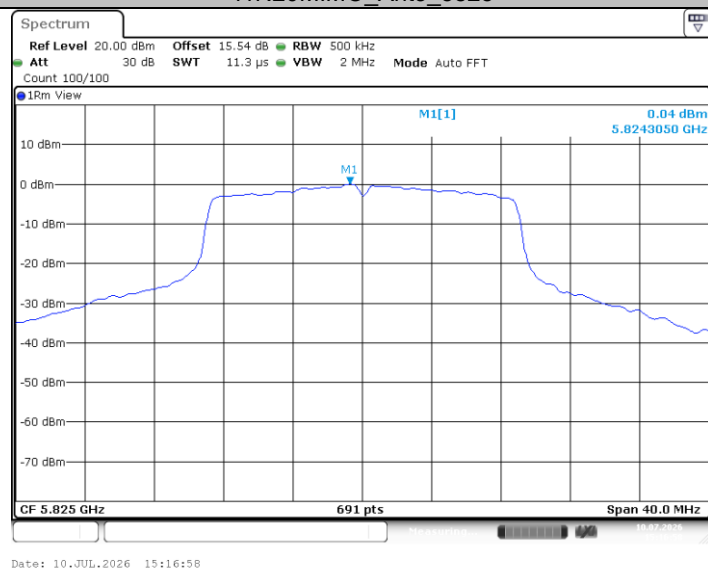
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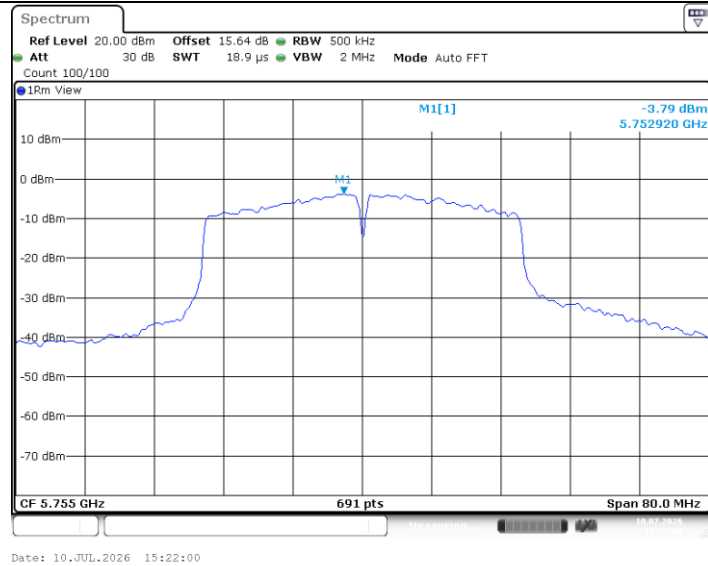
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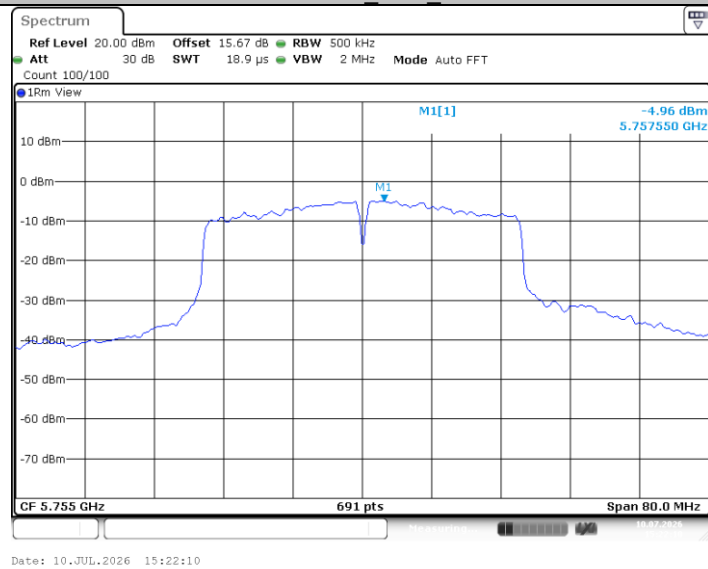
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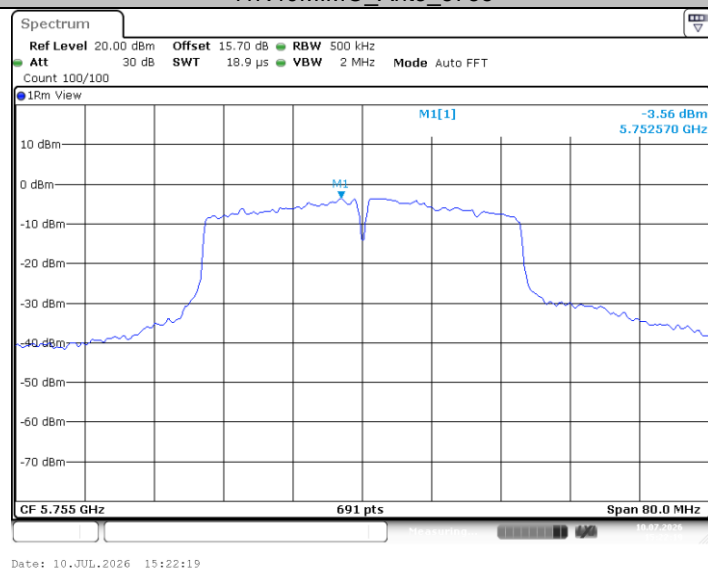
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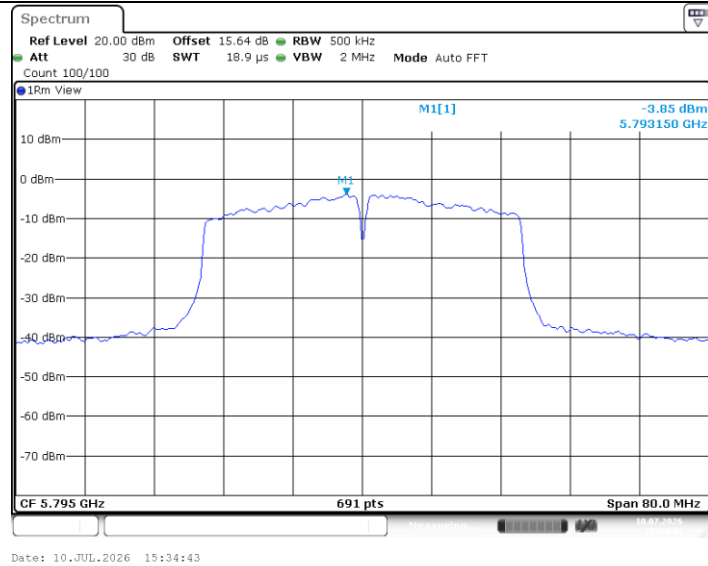
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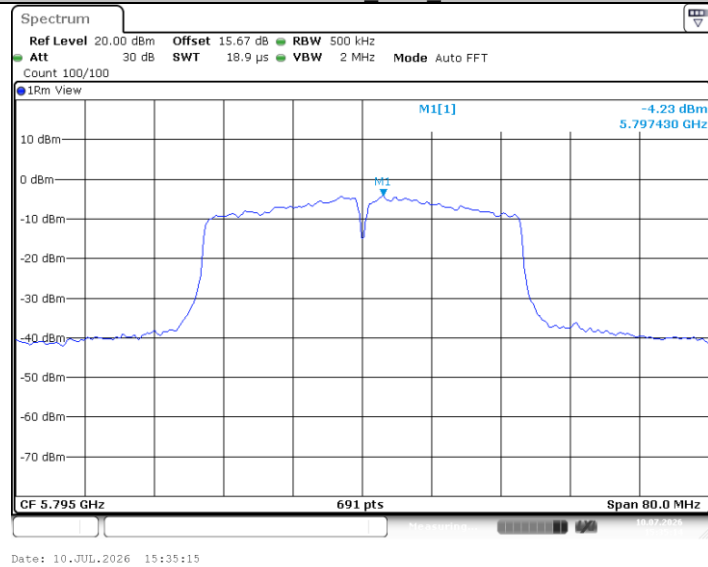
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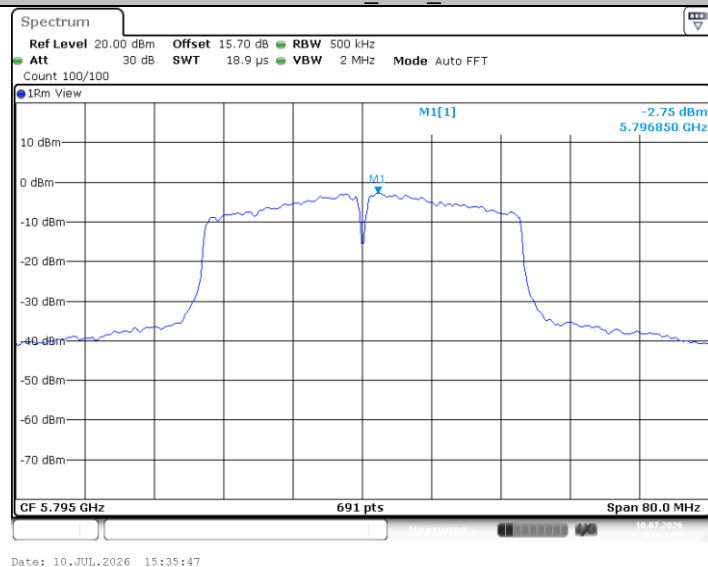
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11N40MIMO_Ant2_5795



11N40MIMO_Ant3_5795



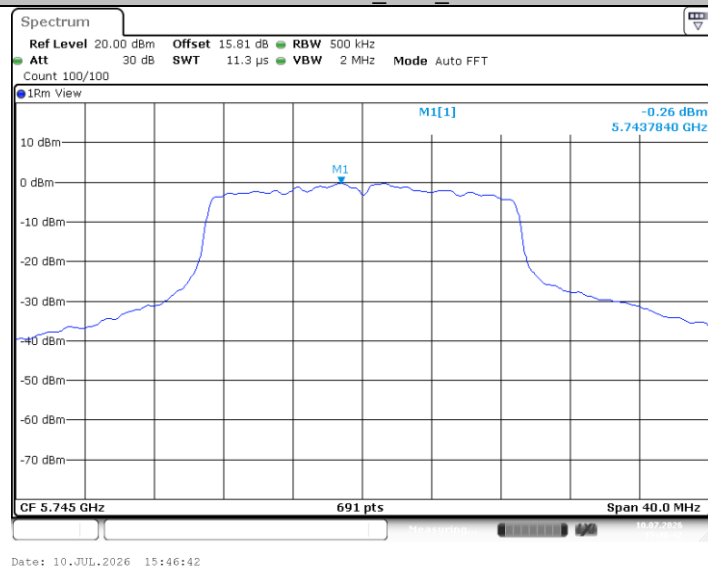
11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant3_5745



11AC20MIMO_Ant1_5785