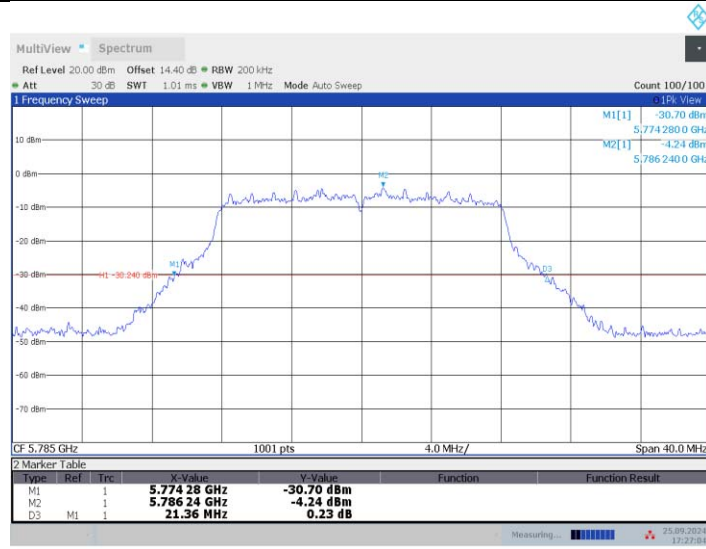
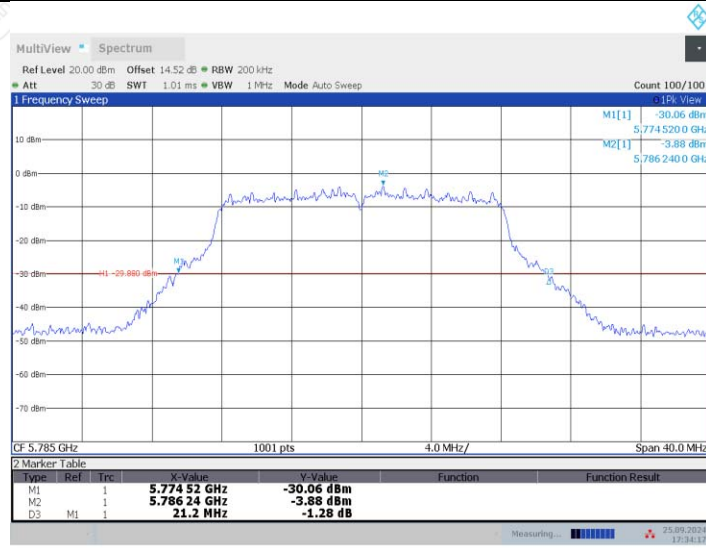


IEEE 802.11a_Ant1_5785 MHz



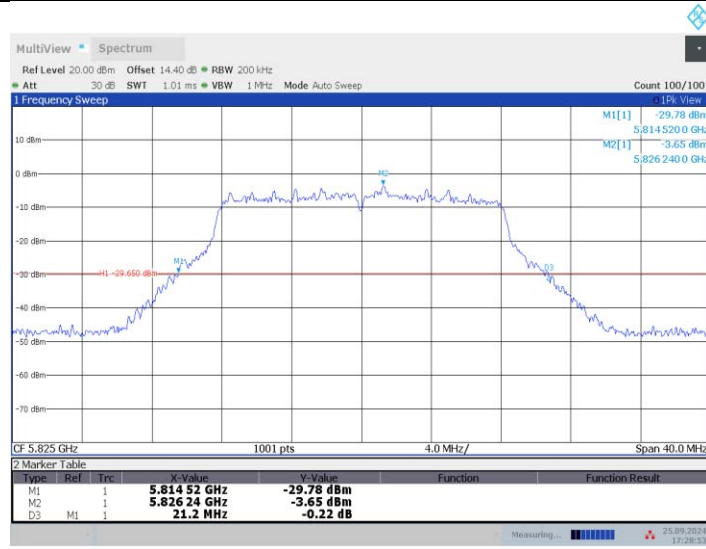
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IEEE 802.11a_Ant2_5785 MHz



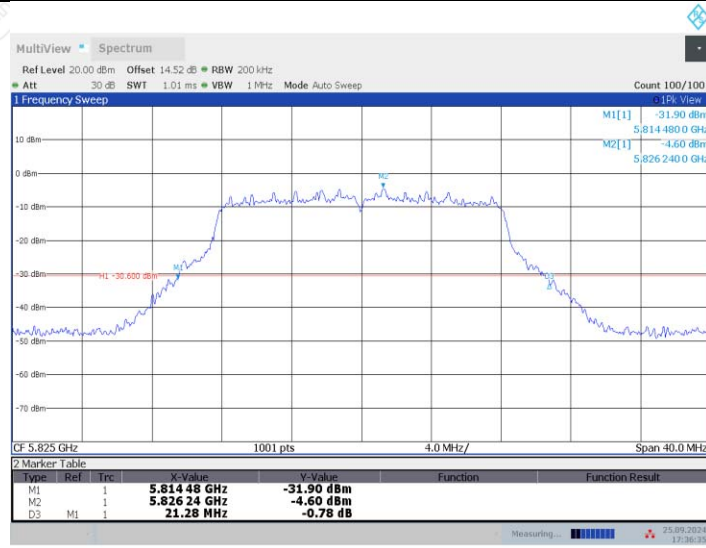
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IEEE 802.11a_Ant1_5825 MHz



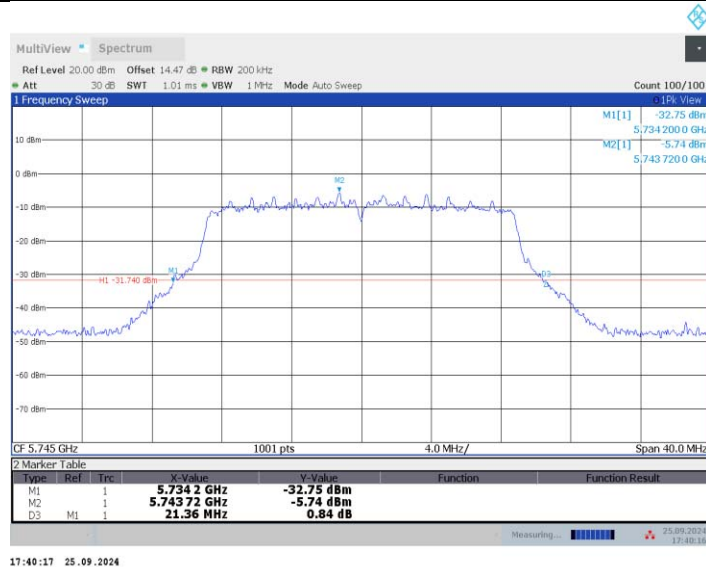
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IEEE 802.11a_Ant2_5825 MHz



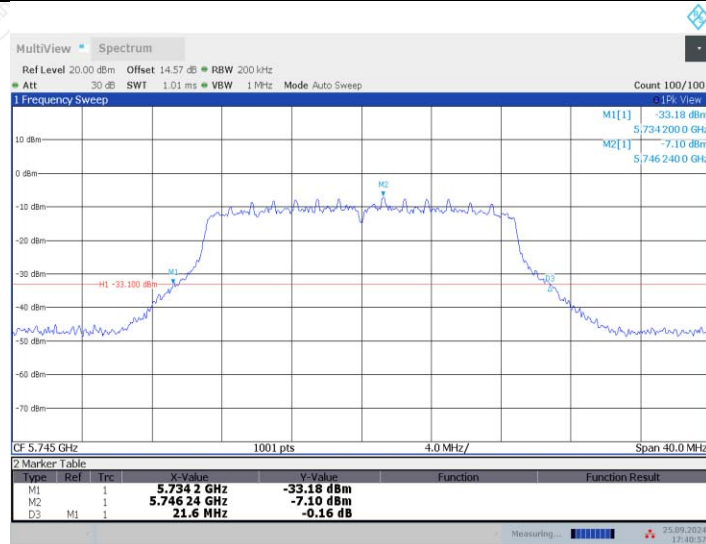
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IEEE 802.11n HT20_Ant1_5745 MHz



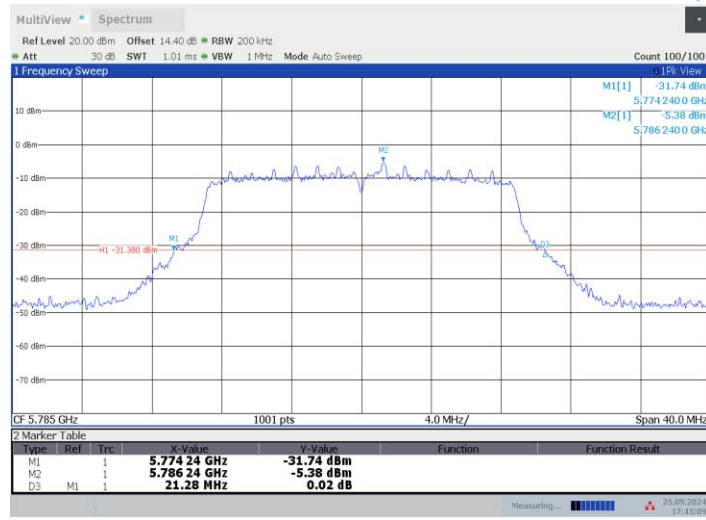
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IEEE 802.11n HT20_Ant2_5745 MHz

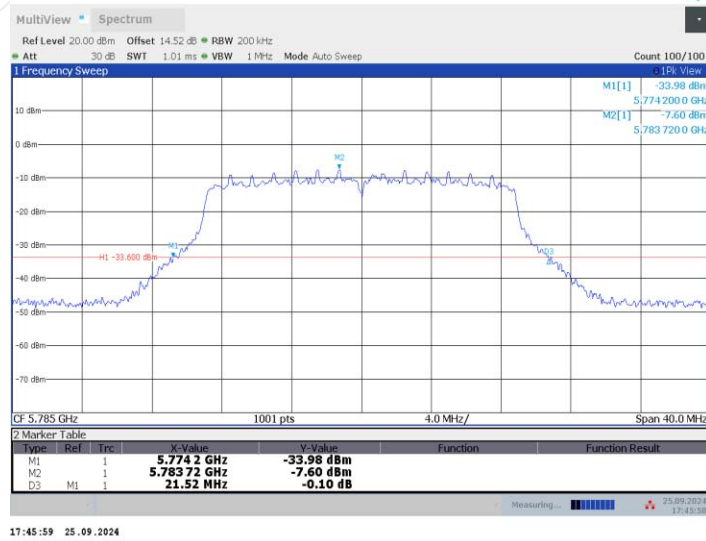


17:40:58 25.09.2024

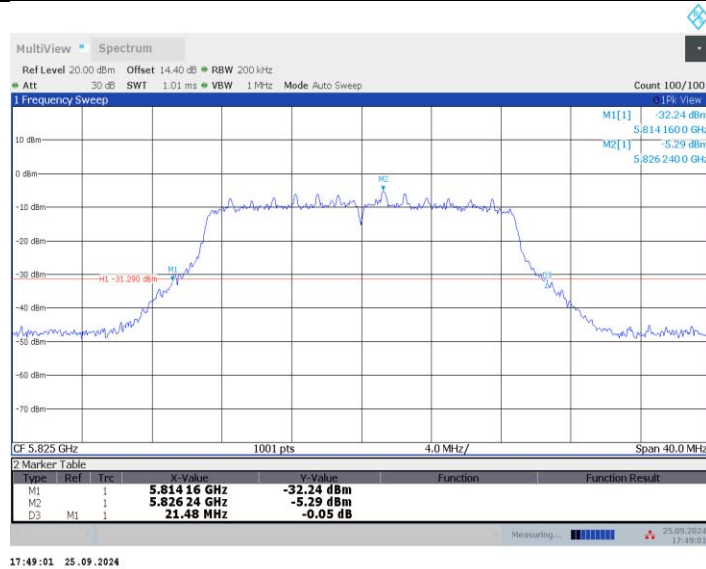
IEEE 802.11n HT20_Ant1_5785 MHz



IEEE 802.11n HT20_Ant2_5785 MHz

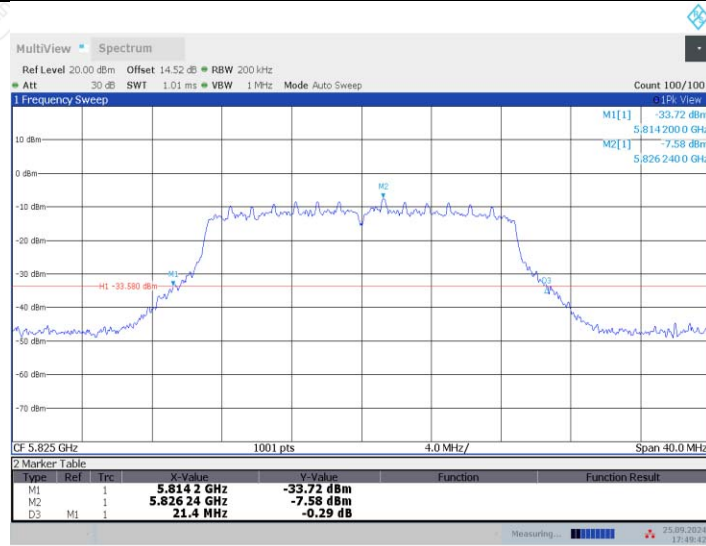


IEEE 802.11n HT20_Ant1_5825 MHz



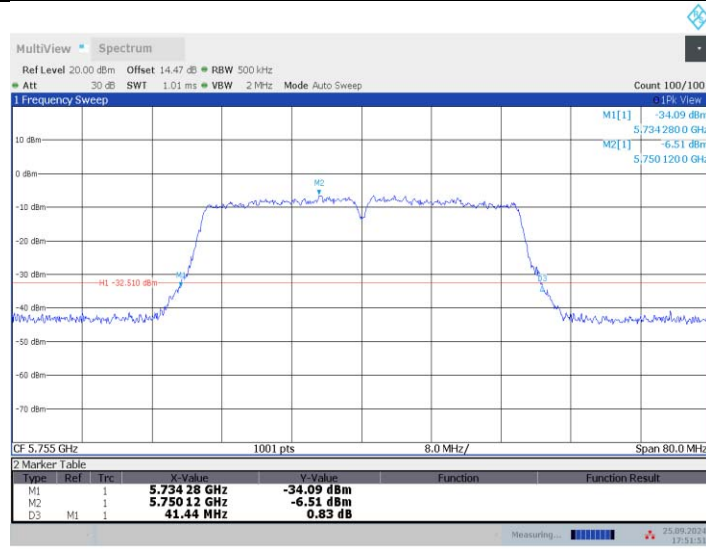
17:49:01 25.09.2024

IEEE 802.11n HT20_Ant2_5825 MHz



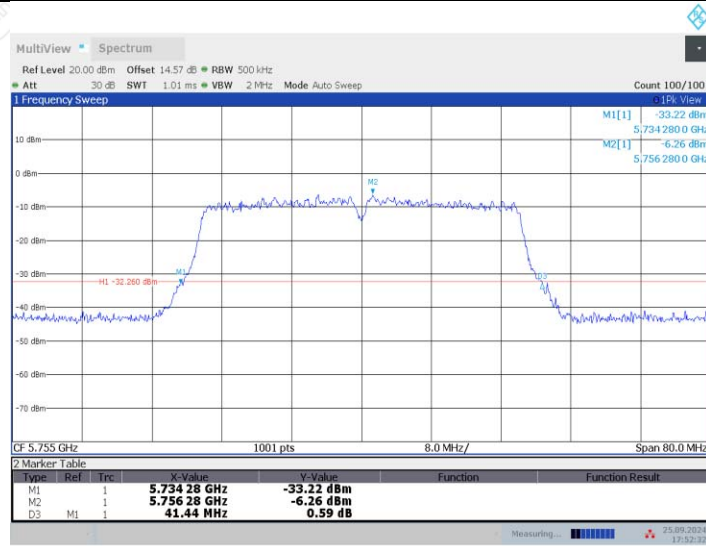
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IEEE 802.11n HT40_Ant1_5755 MHz



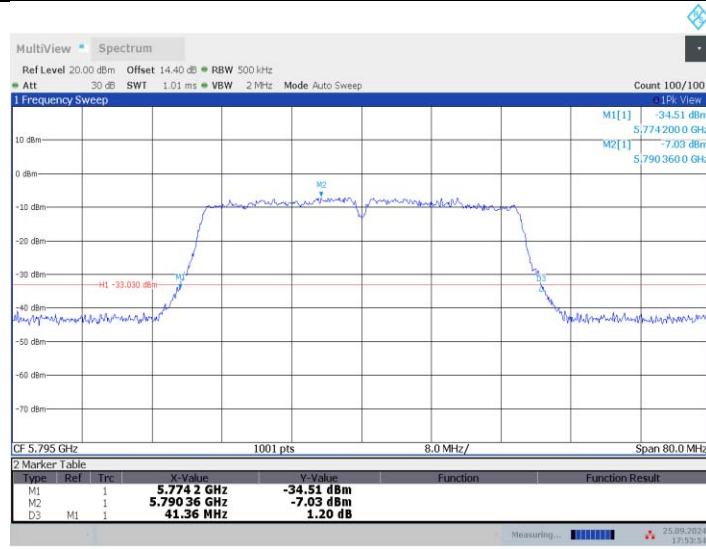
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IEEE 802.11n HT40_Ant2_5755 MHz



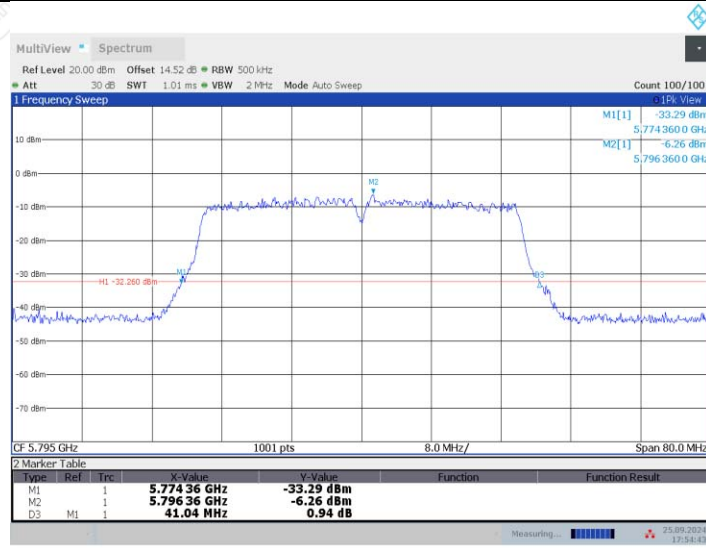
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IEEE 802.11n HT40_Ant1_5795 MHz



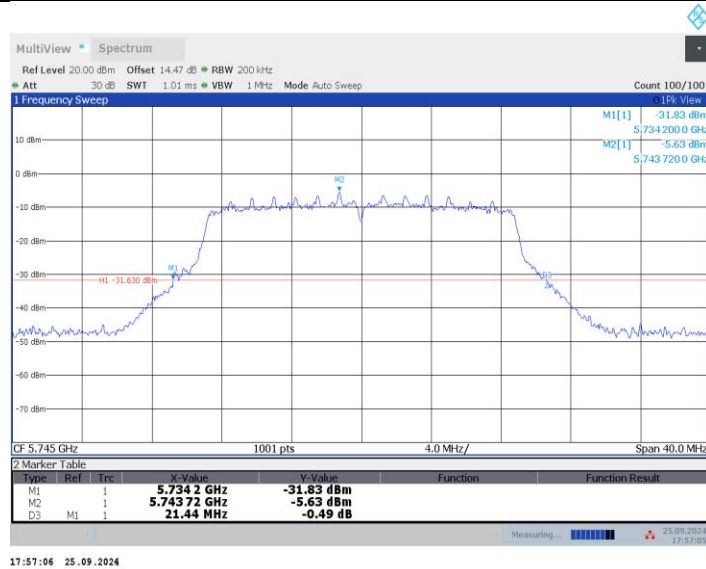
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IEEE 802.11n HT40_Ant2_5795 MHz



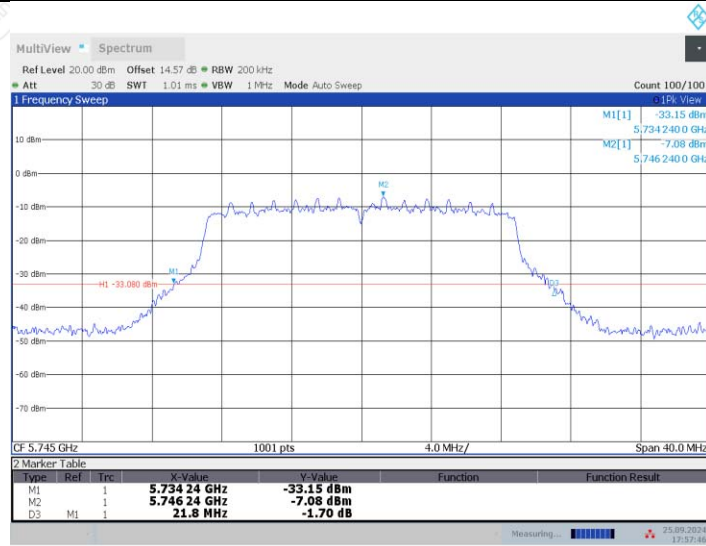
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IEEE 802.11aC20MIMO_Ant1_5745 MHz



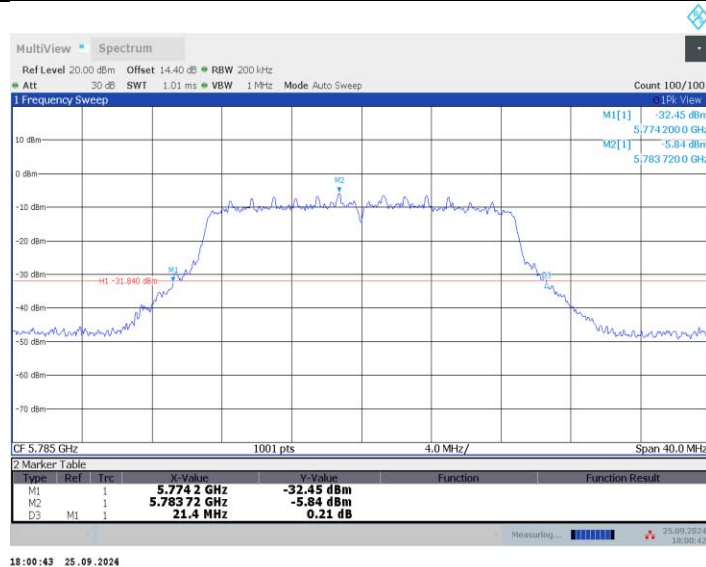
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IEEE 802.11aC20MIMO_Ant2_5745 MHz

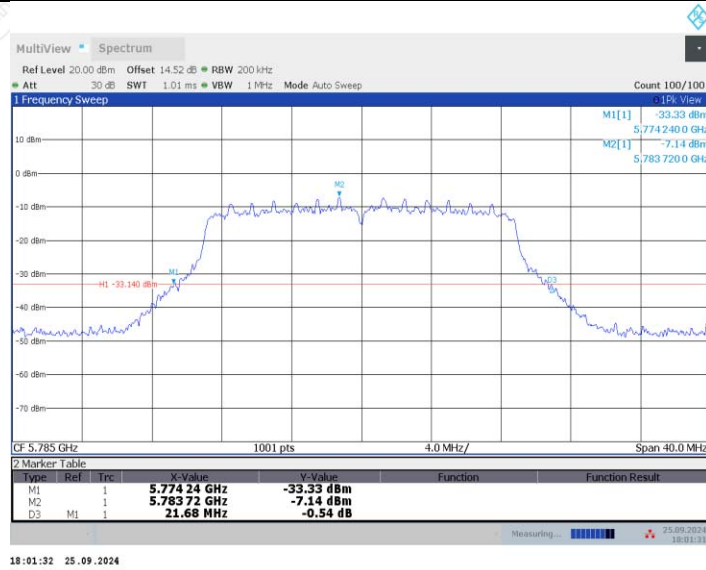


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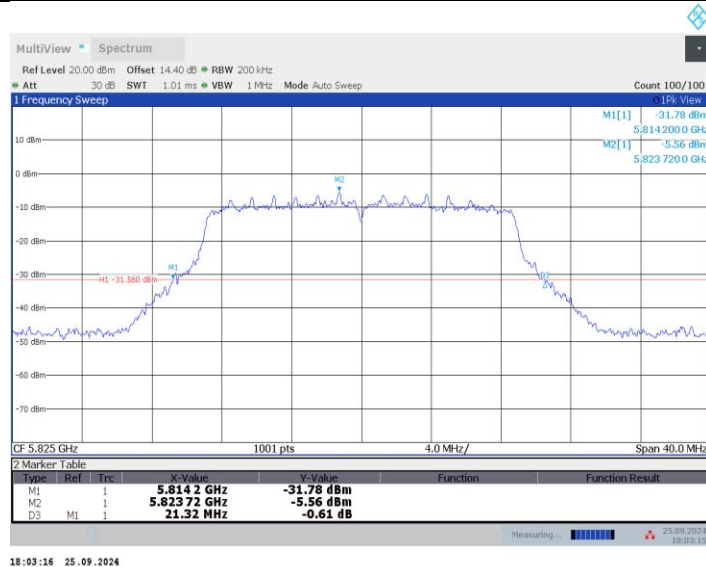
IEEE 802.11aC20MIMO_Ant1_5785 MHz



IEEE 802.11aC20MIMO_Ant2_5785 MHz

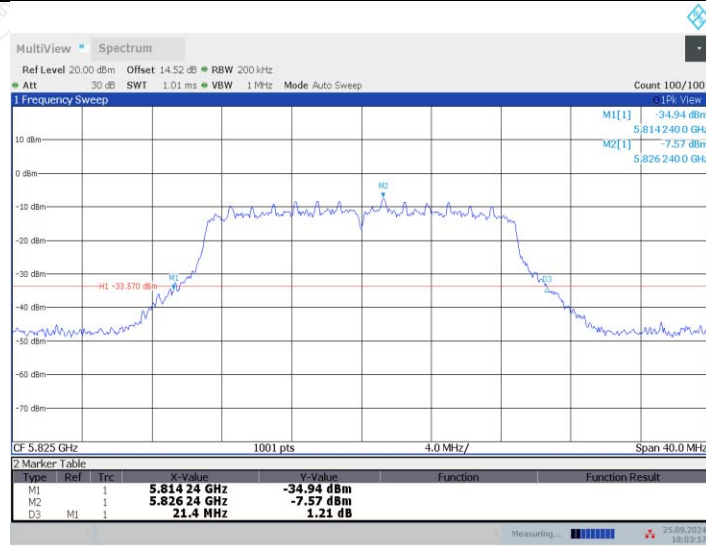


IEEE 802.11aC20MIMO_Ant1_5825 MHz



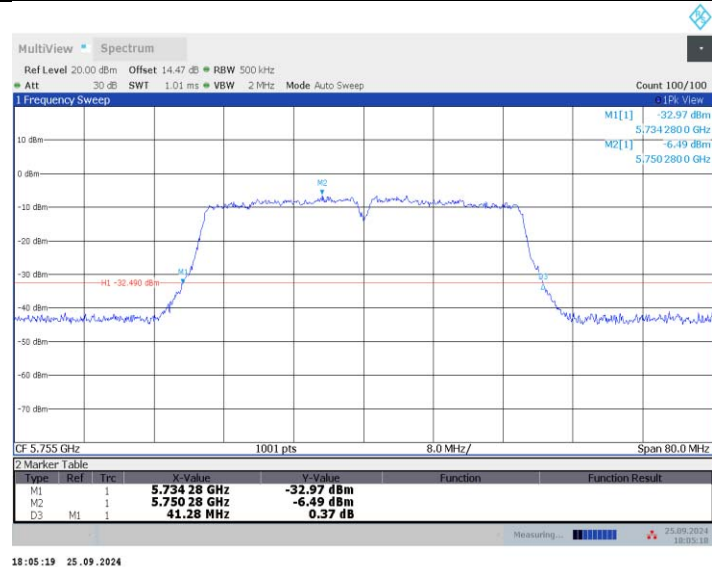
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IEEE 802.11aC20MIMO_Ant2_5825 MHz

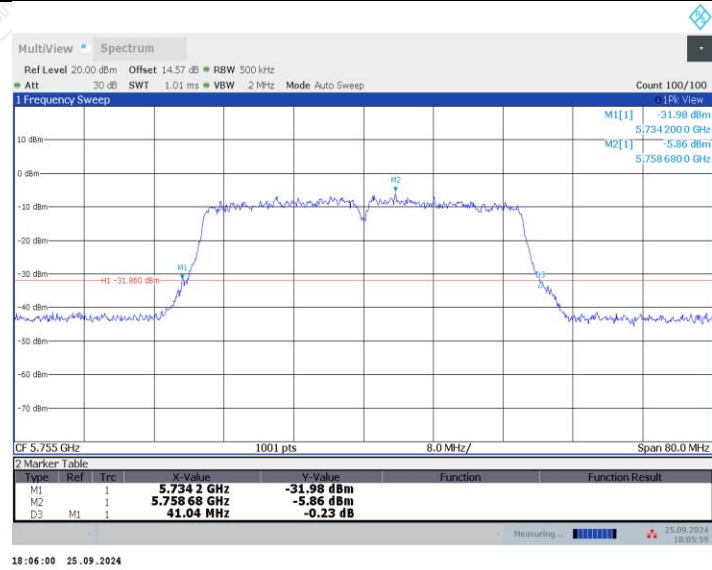


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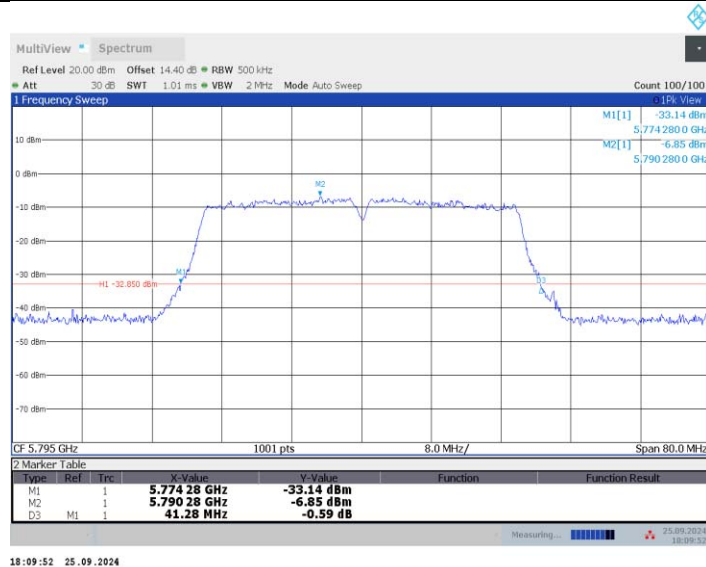
IEEE 802.11aC40MIMO_Ant1_5755 MHz



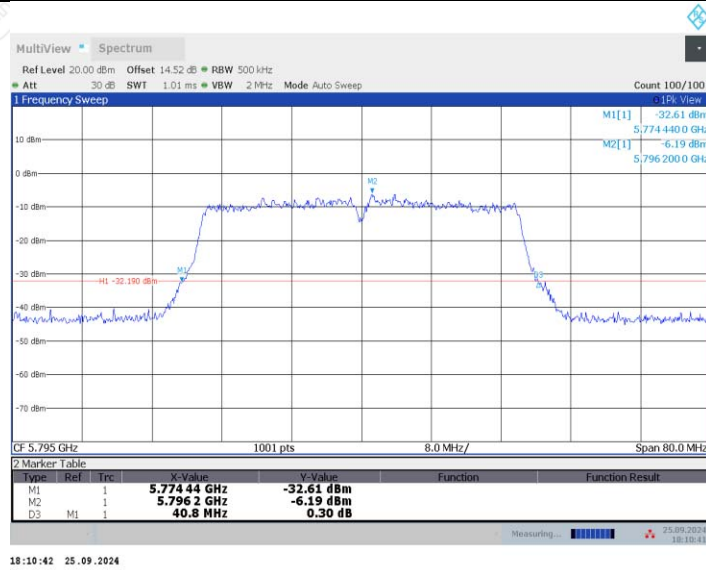
IEEE 802.11aC40MIMO_Ant2_5755 MHz



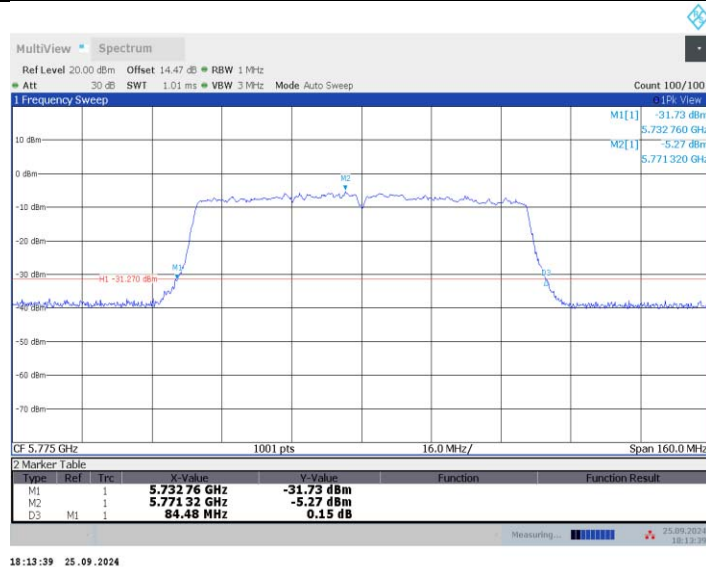
IEEE 802.11aC40MIMO_Ant1_5795 MHz



IEEE 802.11aC40MIMO_Ant2_5795 MHz

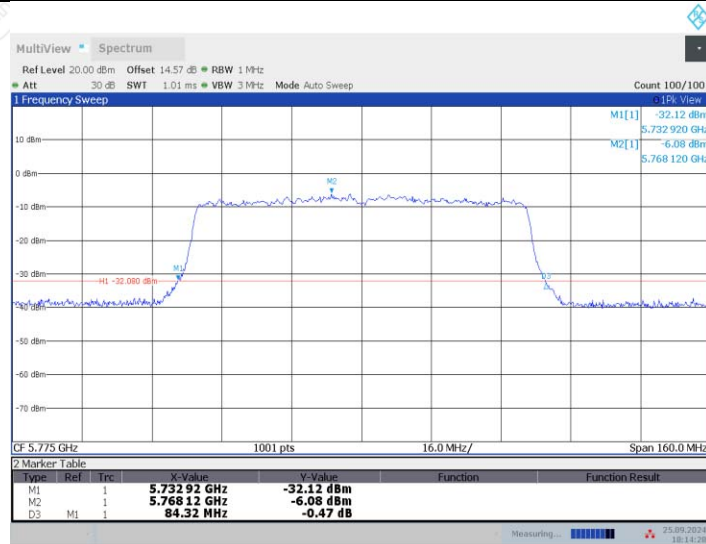


IEEE 802.11aC80MIMO_Ant1_5775 MHz



18:13:39 25.09.2024

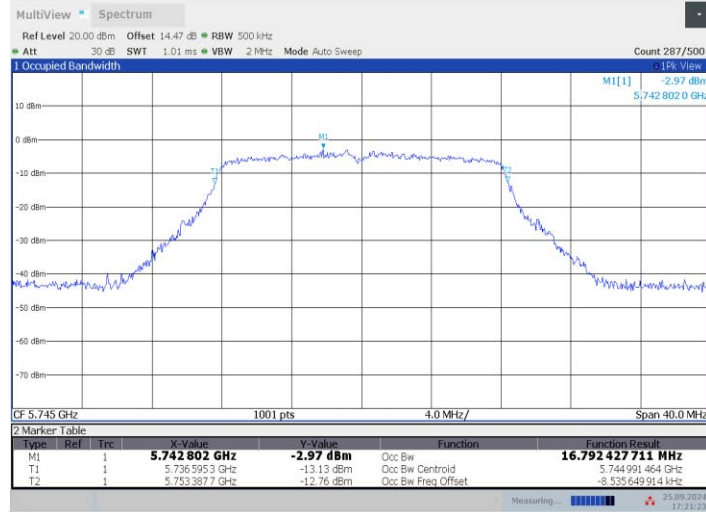
IEEE 802.11aC80MIMO_Ant2_5775 MHz



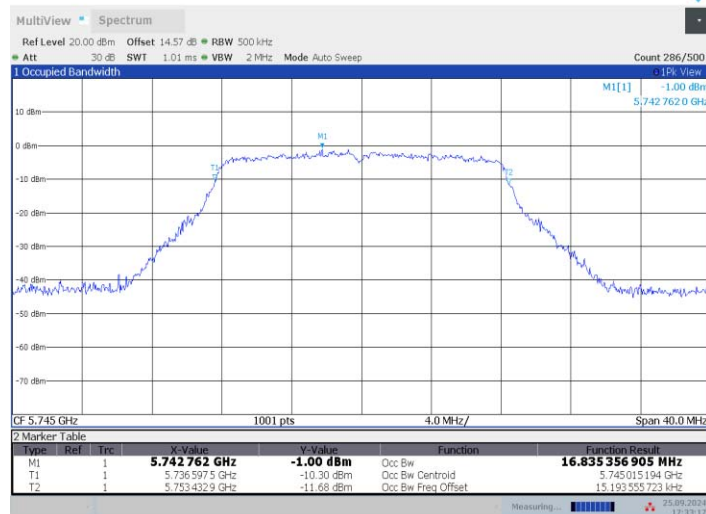
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99% OCCUPIED BANDWIDTH

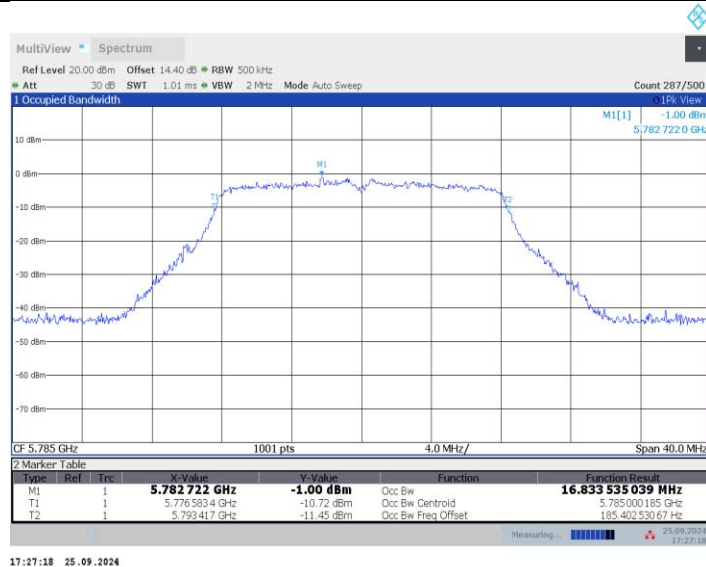
IEEE 802.11a_Ant1_5745 MHz



IEEE 802.11a_Ant2_5745 MHz

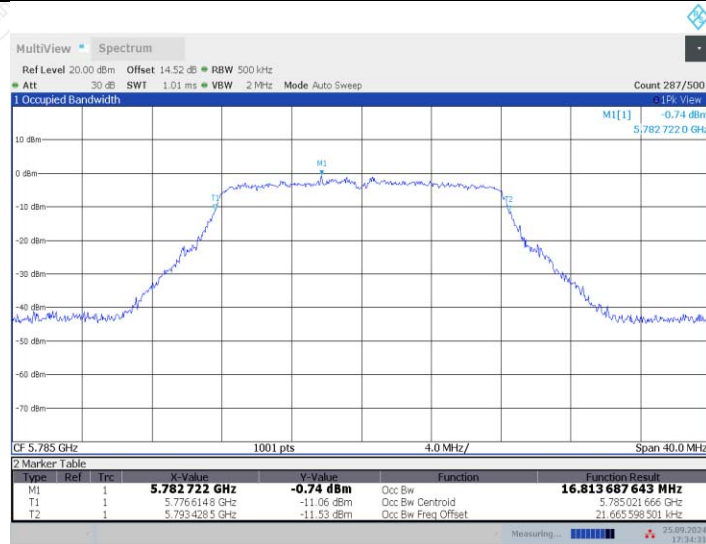


IEEE 802.11a_Ant1_5785 MHz



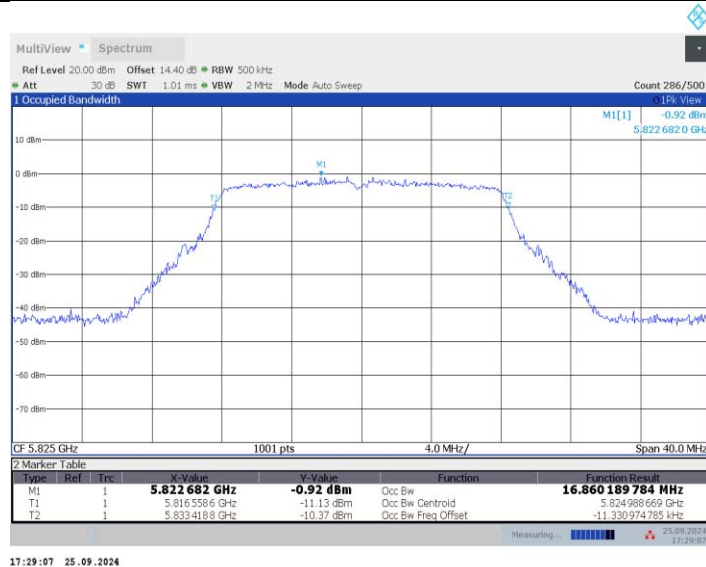
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IEEE 802.11a_Ant2_5785 MHz

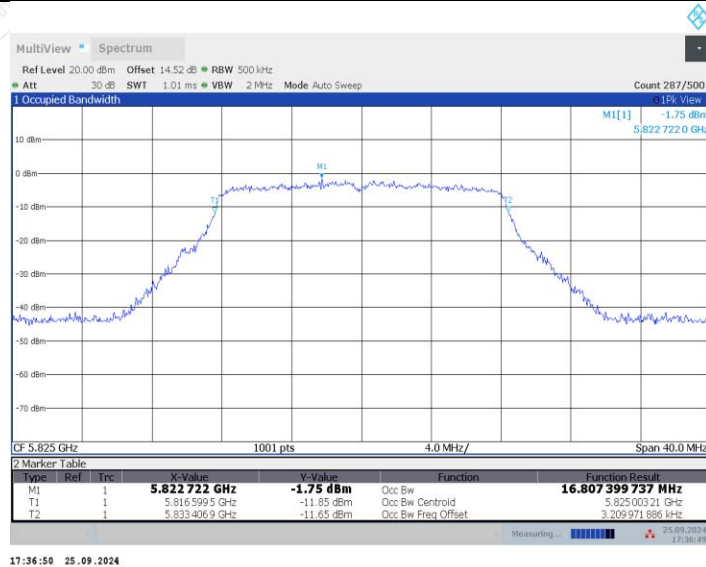


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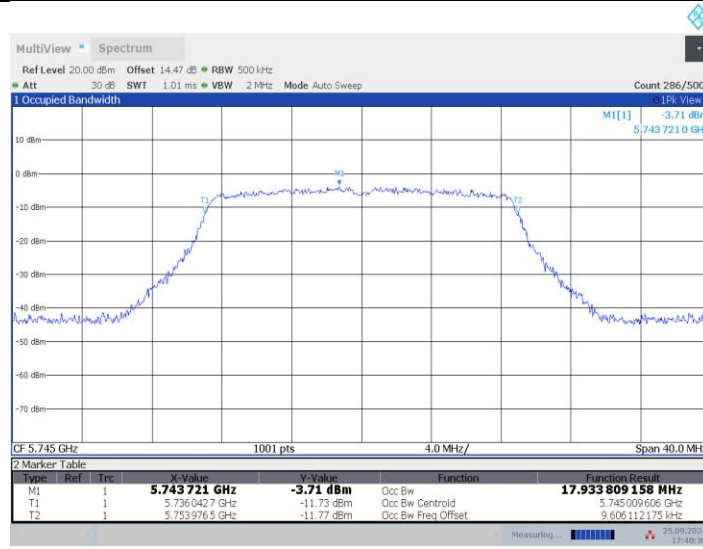
IEEE 802.11a_Ant1_5825 MHz



IEEE 802.11a_Ant2_5825 MHz

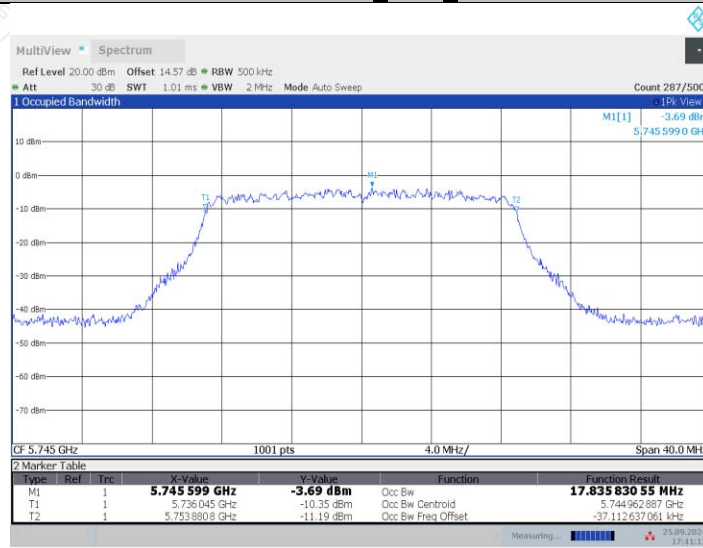


IEEE 802.11n HT20_Ant1_5745 MHz



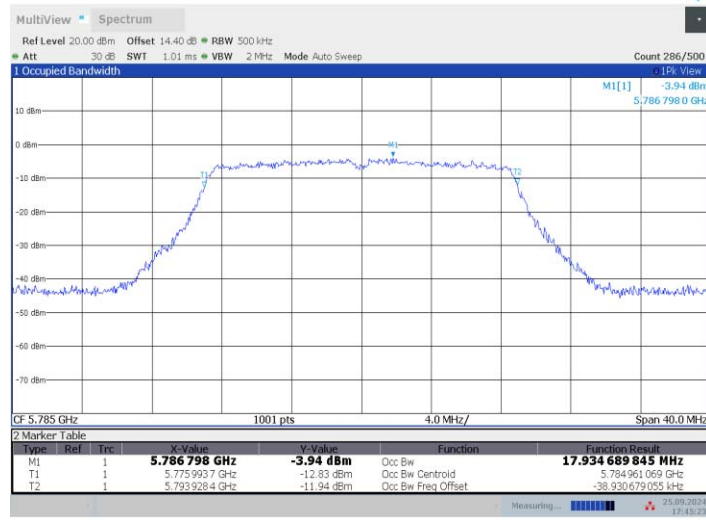
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IEEE 802.11n HT20_Ant2_5745 MHz



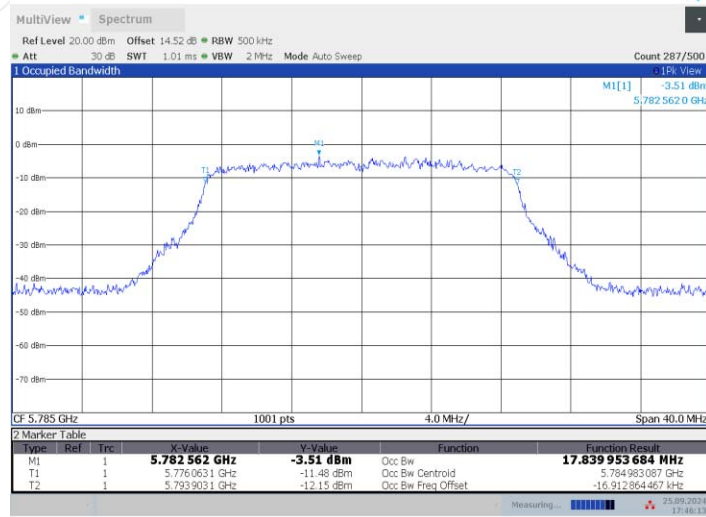
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IEEE 802.11n HT20_Ant1_5785 MHz



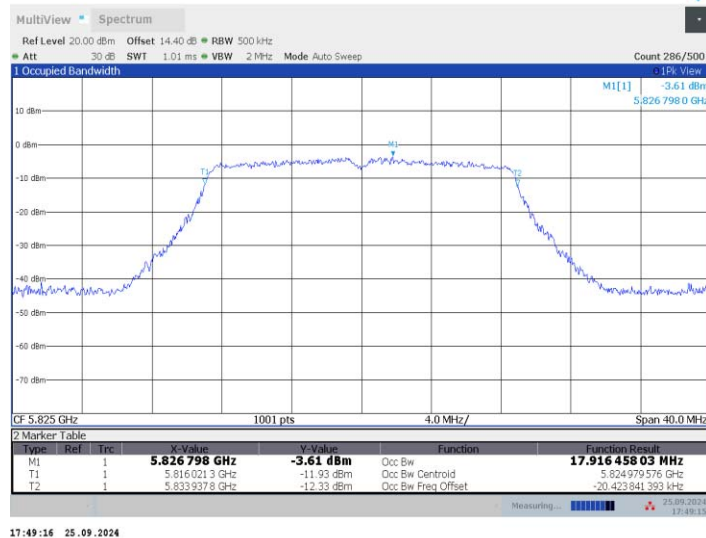
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IEEE 802.11n HT20_Ant2_5785 MHz

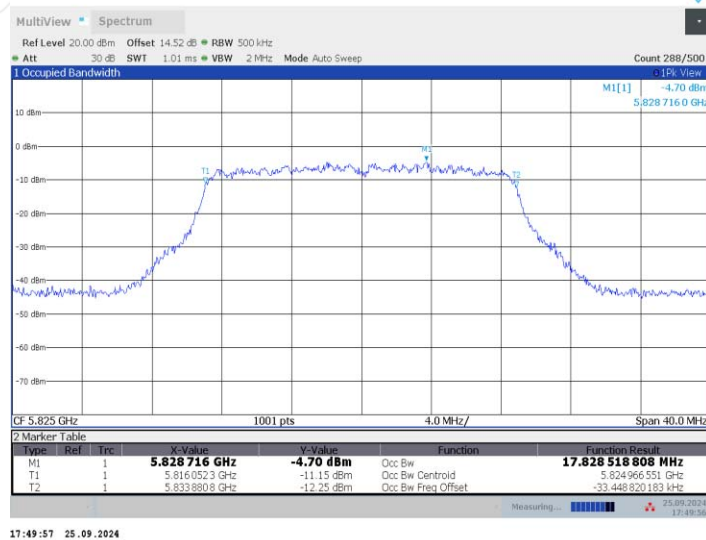


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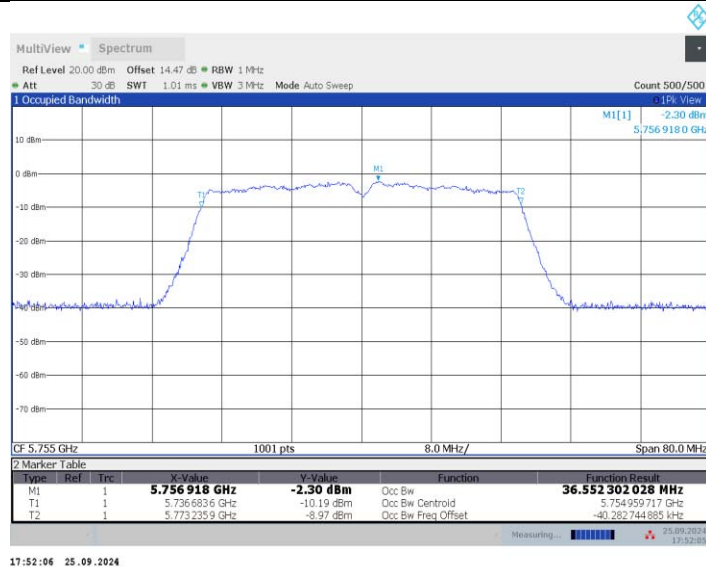
IEEE 802.11n HT20_Ant1_5825 MHz



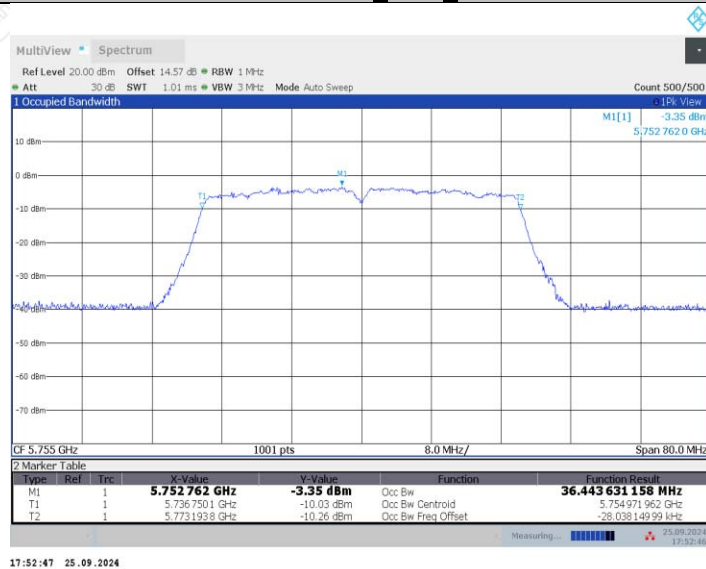
IEEE 802.11n HT20_Ant2_5825 MHz



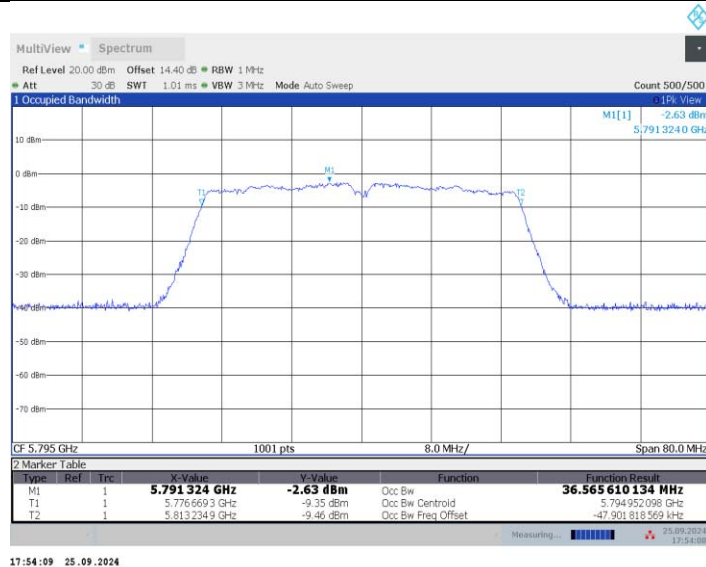
IEEE 802.11n HT40_Ant1_5755 MHz



IEEE 802.11n HT40_Ant2_5755 MHz

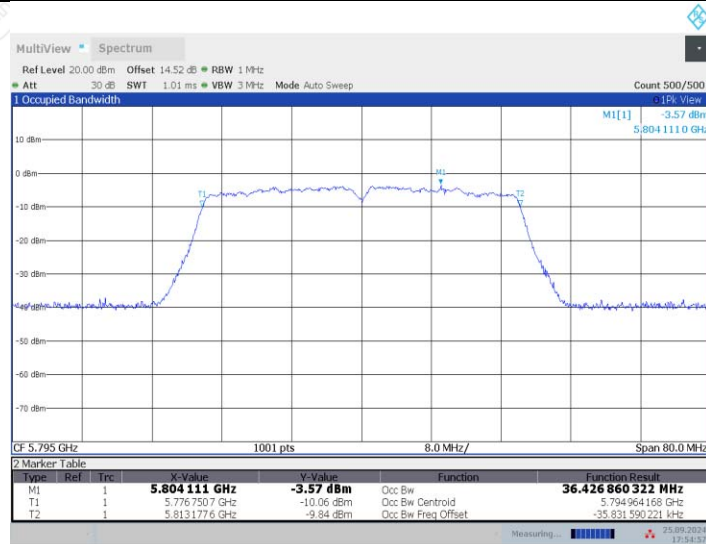


IEEE 802.11n HT40_Ant1_5795 MHz



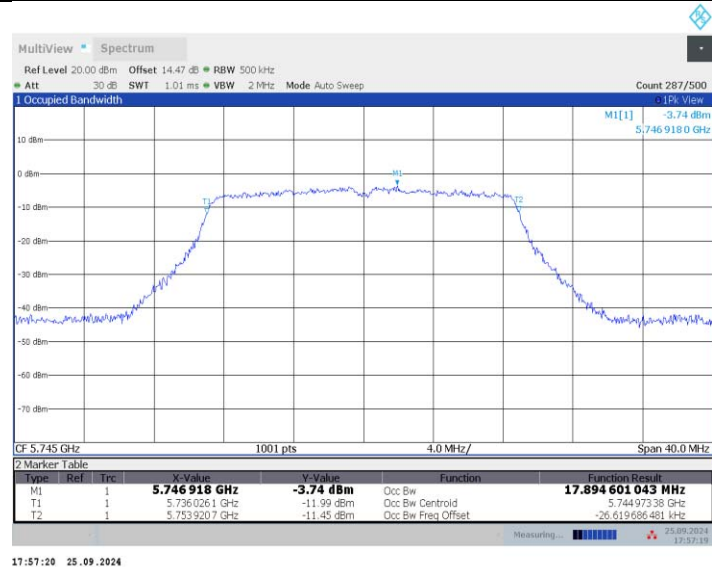
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IEEE 802.11n HT40_Ant2_5795 MHz

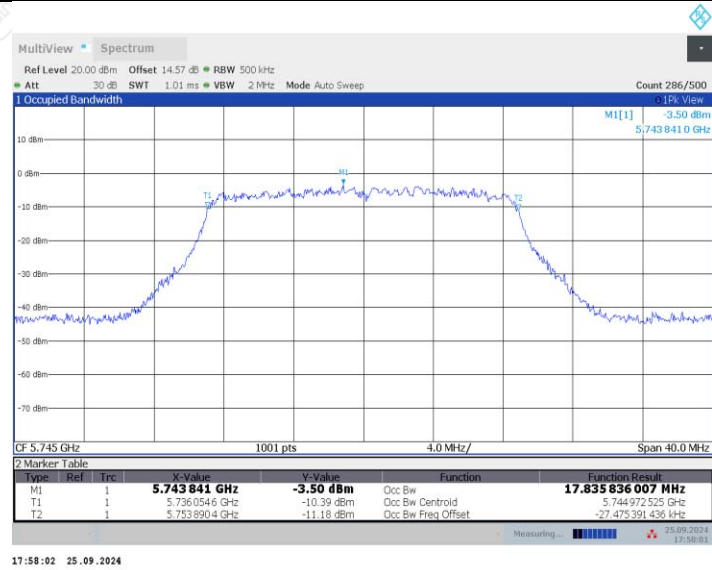


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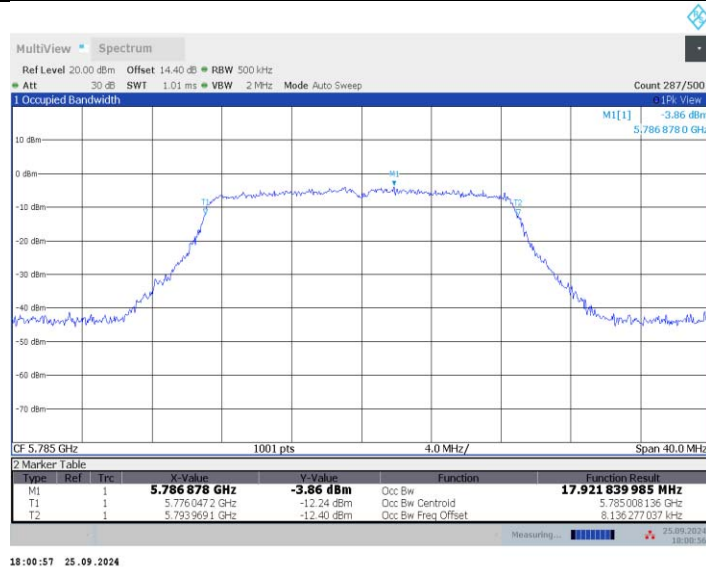
IEEE 802.11aC20MIMO_Ant1_5745 MHz



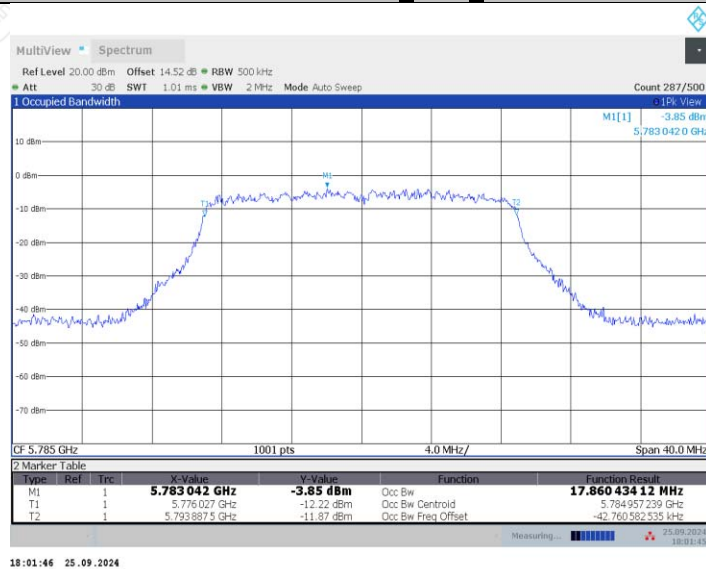
IEEE 802.11aC20MIMO_Ant2_5745 MHz



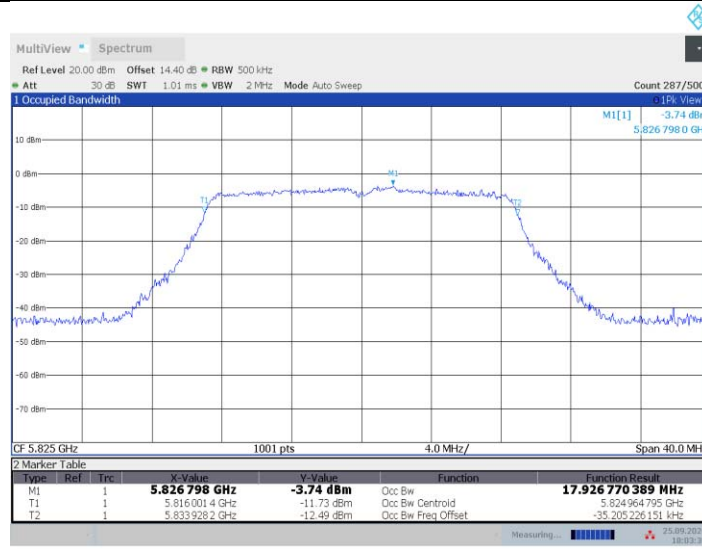
IEEE 802.11aC20MIMO_Ant1_5785 MHz



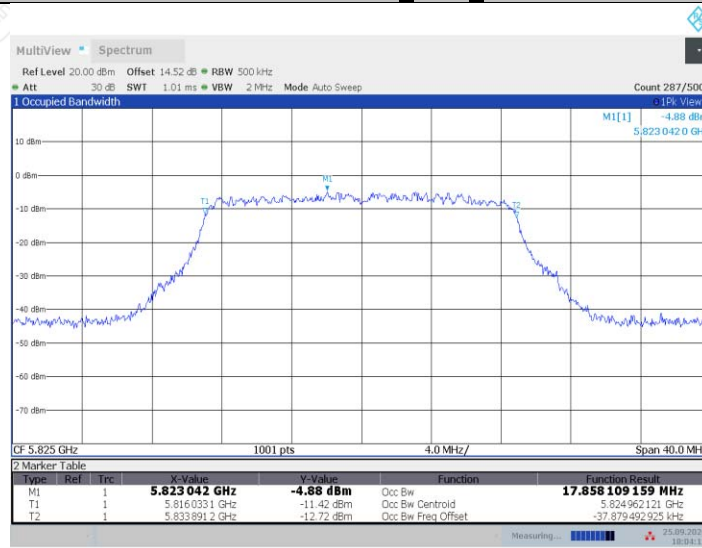
IEEE 802.11aC20MIMO_Ant2_5785 MHz



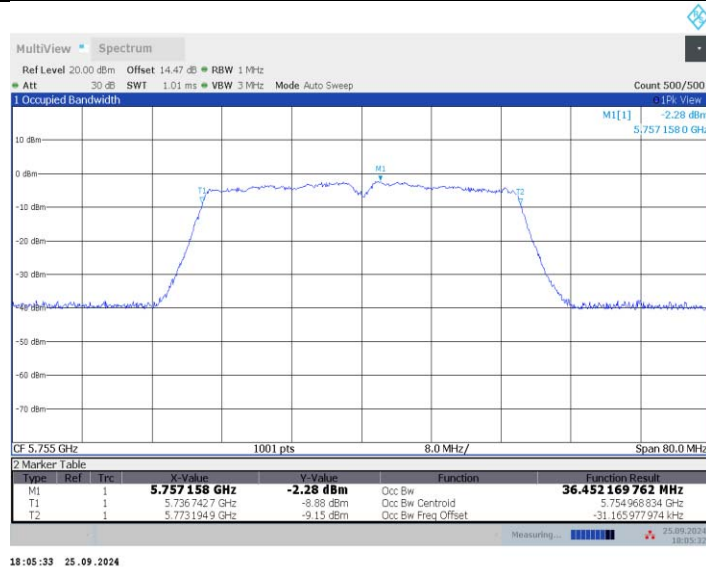
IEEE 802.11aC20MIMO_Ant1_5825 MHz



IEEE 802.11aC20MIMO_Ant2_5825 MHz

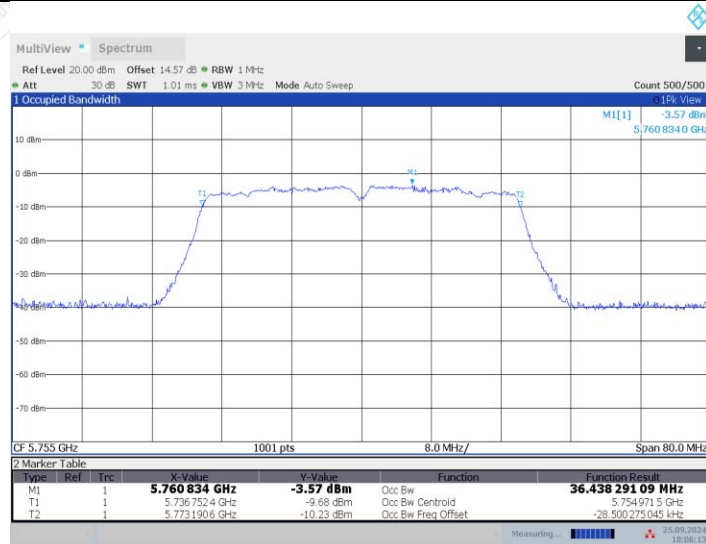


IEEE 802.11aC40MIMO_Ant1_5755 MHz



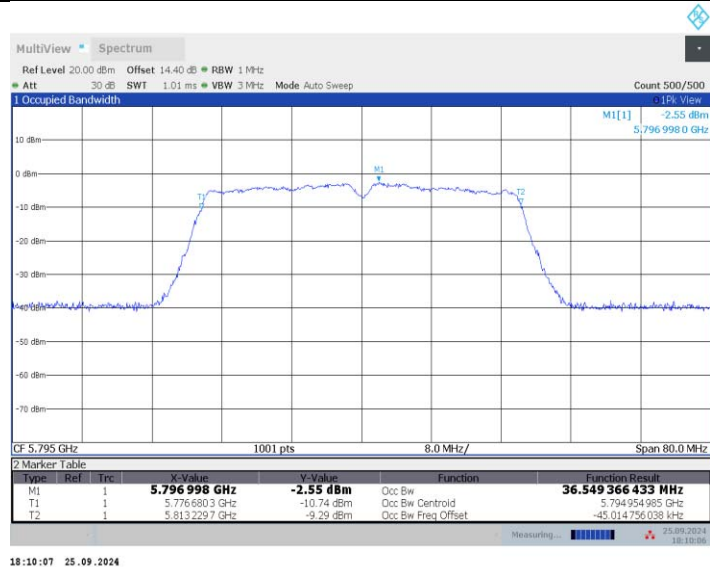
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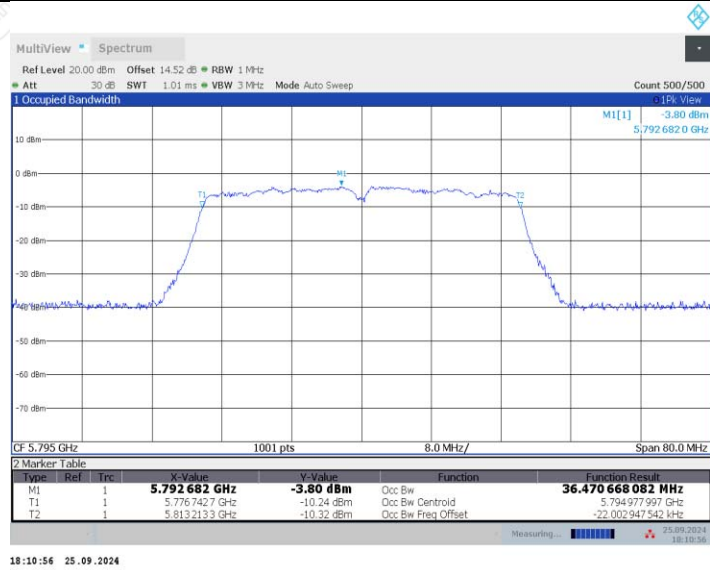


18:06:14 25.09.2024

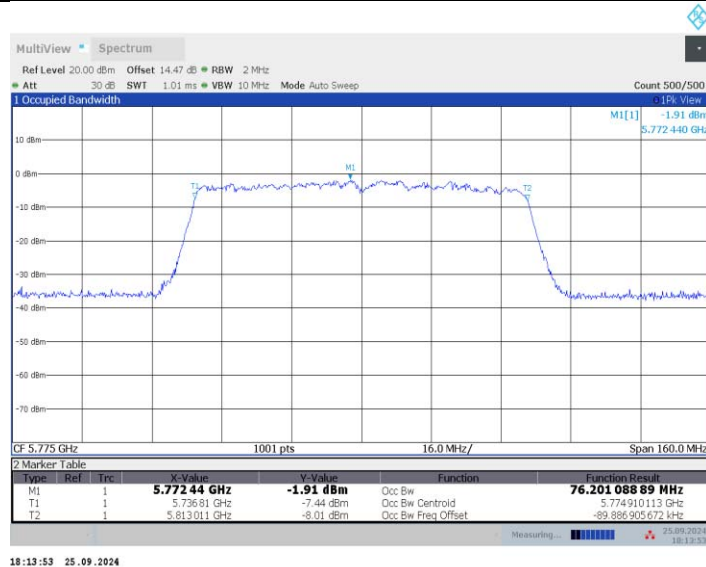
IEEE 802.11aC40MIMO_Ant1_5795 MHz



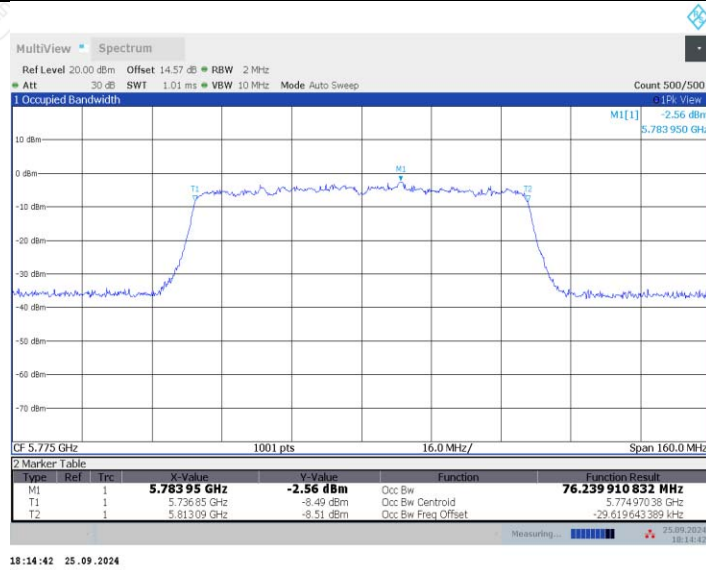
IEEE 802.11aC40MIMO_Ant2_5795 MHz



IEEE 802.11aC80MIMO_Ant1_5775 MHz



IEEE 802.11aC80MIMO_Ant2_5775 MHz



8. OUTPUT POWER

8.1 LIMITS

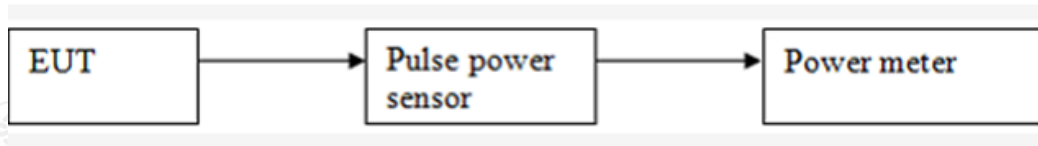
The FCC 15.407(a),The maximum conducted output power should not exceed:

Band	EUT Type	Limit
U-NII-3	All Device	1W(30dBm)

8.2 TEST PROCEDURES

- a) The RF output of EUT was connected to the broadband average RF power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- b) Set to the maximum power setting and enable the EUT transmit continuously.
- c) Measure the conducted output power and record the results in the test report.

8.3 TEST SETUP



8.4 TEST RESULTS

Environment: 24.5°C/65%RH 101.0kPa

Tested By: Zhu rongting

Voltage:DC 12V

Date: 2024-09-25

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U-NII-3:

Test Mode	Frequency [MHz]	AVG Conducted Output Power with Duty Factor (dBm) -antenna 1	AVG Conducted Output Power with Duty Factor (dBm) -antenna 2	AVG Conducted Output Power with Duty Factor (dBm) -total	Limit [dBm]	Verdict
IEEE 802.11a	5745	4.47	3.65	/	≤28.74	PASS
	5785	4.58	3.72	/	≤28.74	PASS
	5825	4.84	3.71	/	≤28.74	PASS
IEEE 802.11n HT20	5745	1.44	0.72	4.11	≤28.74	PASS
	5785	1.48	0.63	4.09	≤28.74	PASS
	5825	1.78	-0.11	3.95	≤28.74	PASS
IEEE 802.11n HT40	5755	1.53	0.83	4.21	≤28.74	PASS
	5795	1.58	0.70	4.18	≤28.74	PASS
IEEE 802.11ac VHT20	5745	1.41	0.75	4.10	≤28.74	PASS
	5785	1.47	0.62	4.07	≤28.74	PASS
	5825	1.74	-0.10	3.93	≤28.74	PASS
IEEE 802.11ac VHT40	5755	1.49	0.76	4.15	≤28.74	PASS
	5795	1.59	0.59	4.13	≤28.74	PASS
IEEE 802.11ac VHT80	5775	1.24	0.46	3.88	≤28.74	PASS

Note: Result already includes duty factor, 5745MHz~5825MHz antenna maximum gain is 7.26dBi. So the limit is $30+(6-7.26)=30-1.26=28.74$ dBm.

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9. POWER SPECTRAL DENSITY

9.1 LIMITS

Section 15.407(a)

The maximum power spectral density should not exceed:

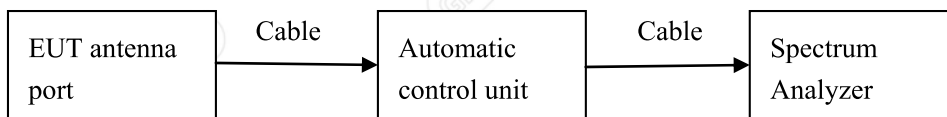
Band	EUT Type	Limit
U-NII-3	All Device	30dBm/500kHz

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

9.2 TEST PROCEDURES

Spectrum Parameters	Setting
RBW	500kHz(For U-NII-3)
VBW	2MHz(For U-NII-3)
Span	encompass the entire 26 dB EBW or 99% OBW of the signal
Sweep Time	Auto
Number of Sweep Point	$\geq 2 \times \text{SPAN} / \text{RBW}$
Detector	RMS(power averaging)
Trace Average	≥ 100 traces

9.3 TEST SETUP



9.4 TEST RESULTS

Environment: 24.5°C/65%RH 101.0kPa

Tested By: Zhu rongting

Voltage:DC 12V

Date: 2024-09-25