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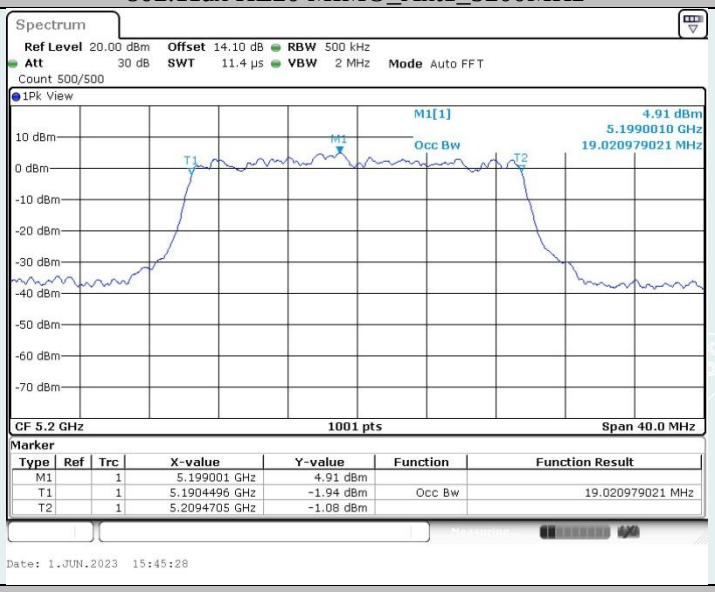

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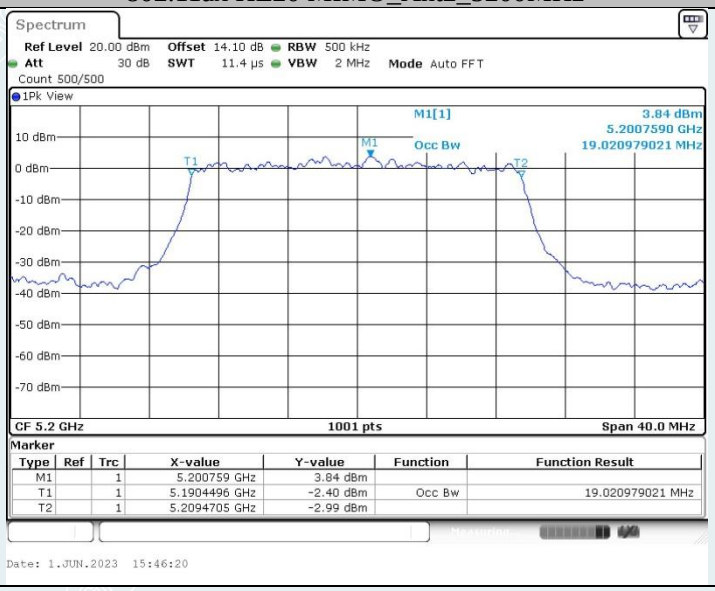

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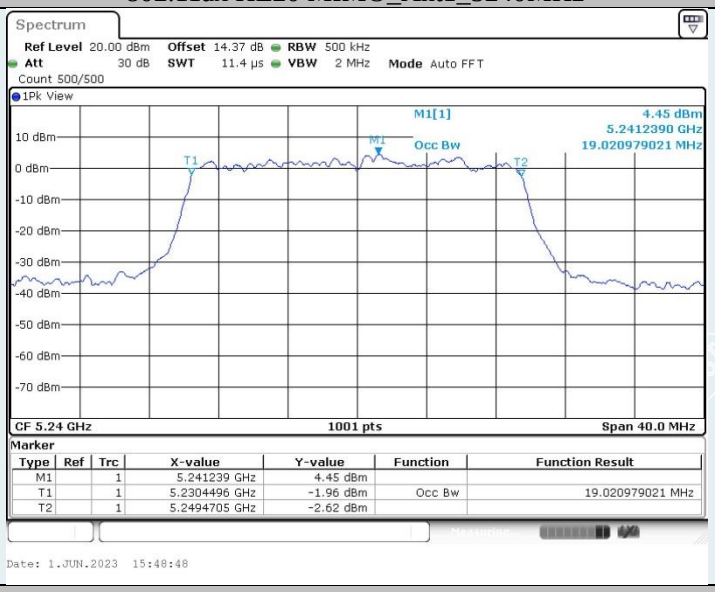

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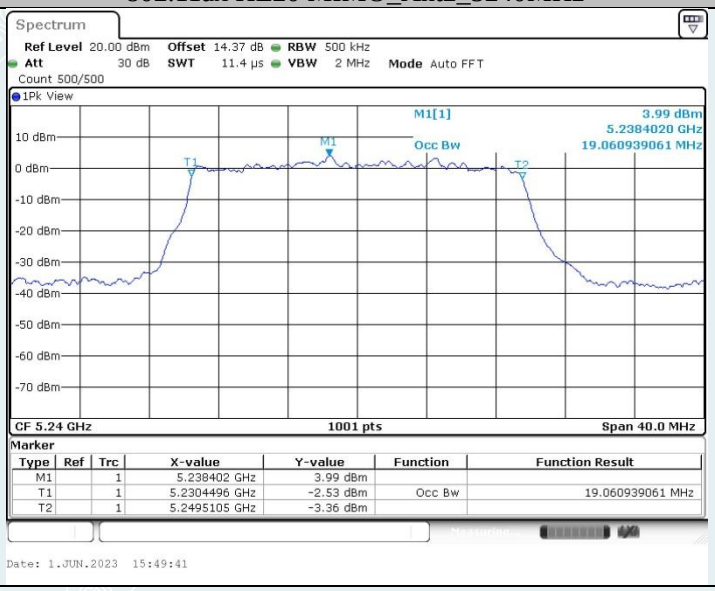

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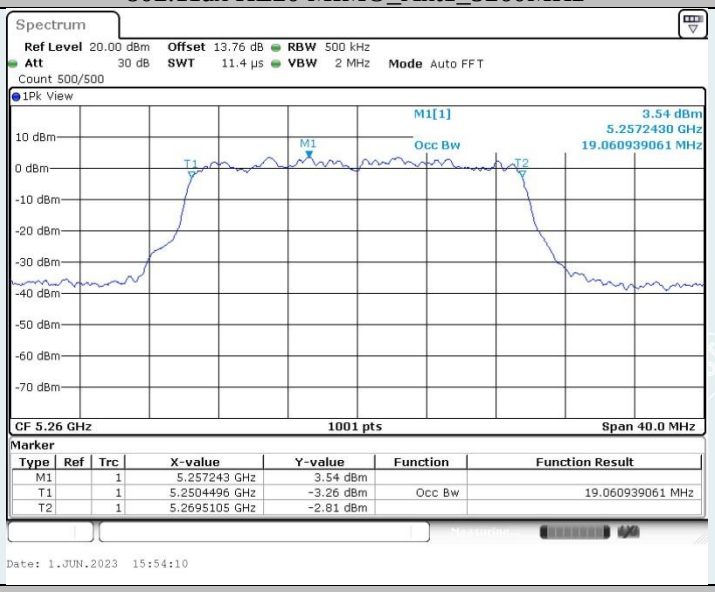
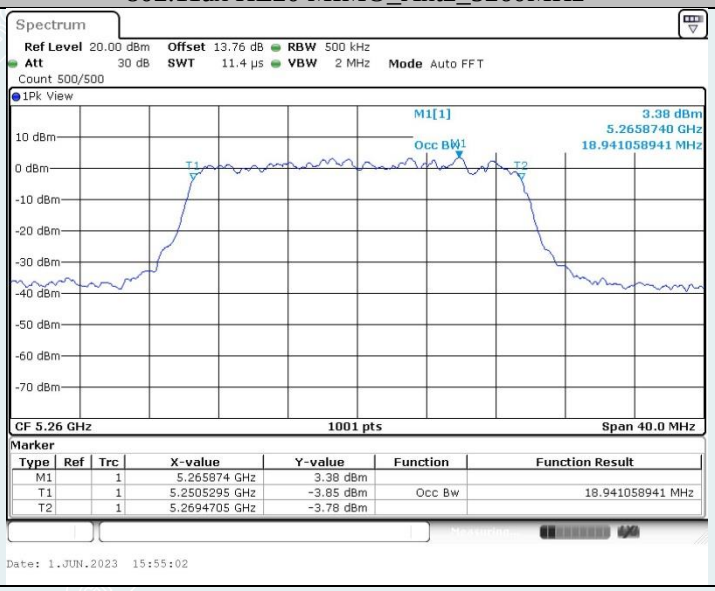


802.11ax HE20 MIMO_Ant2_5260MHz



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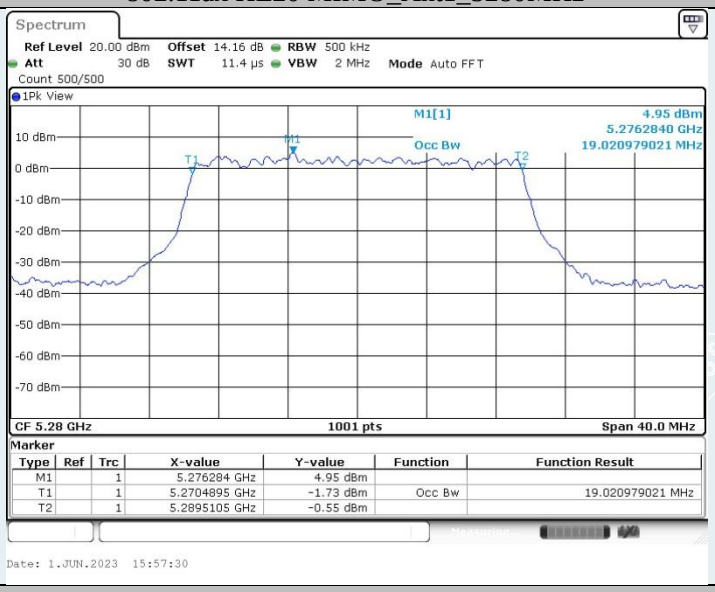

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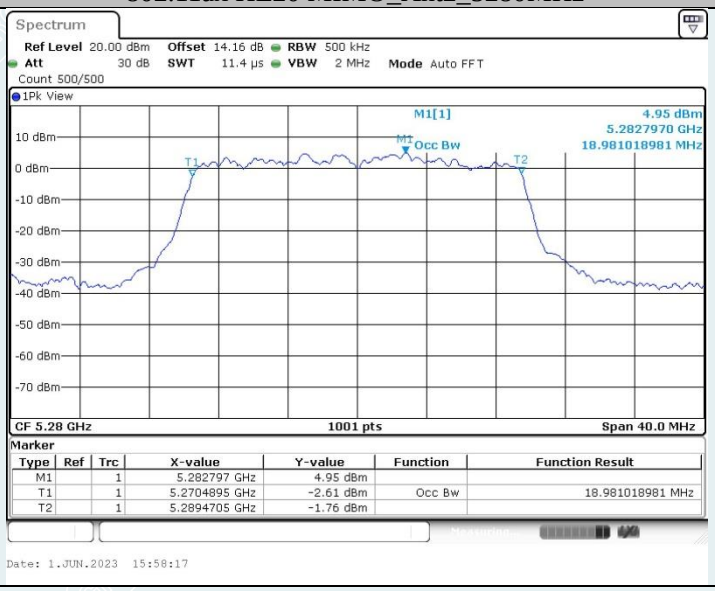

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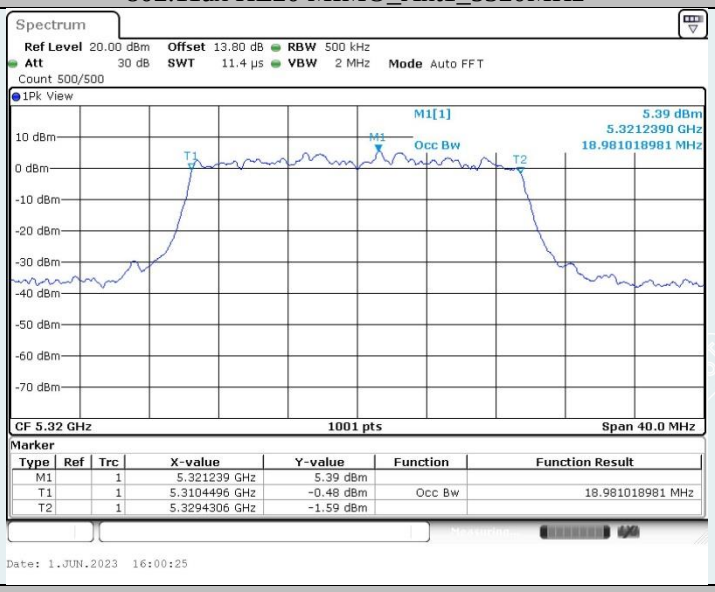

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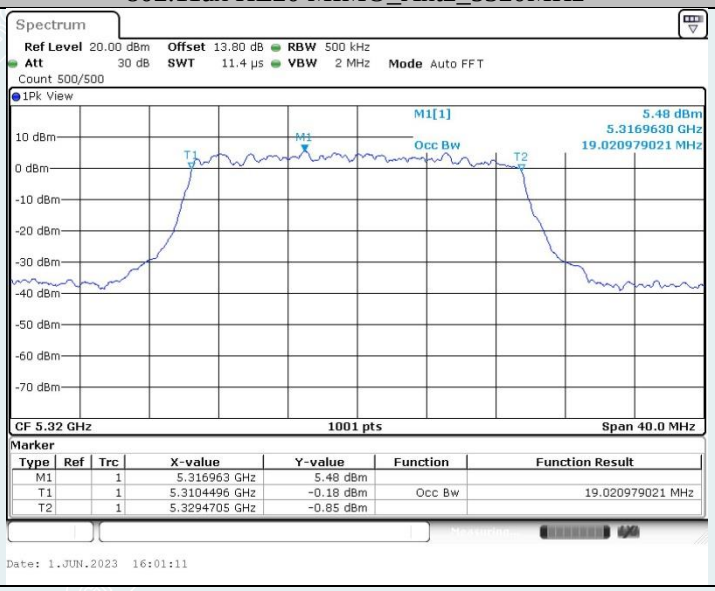

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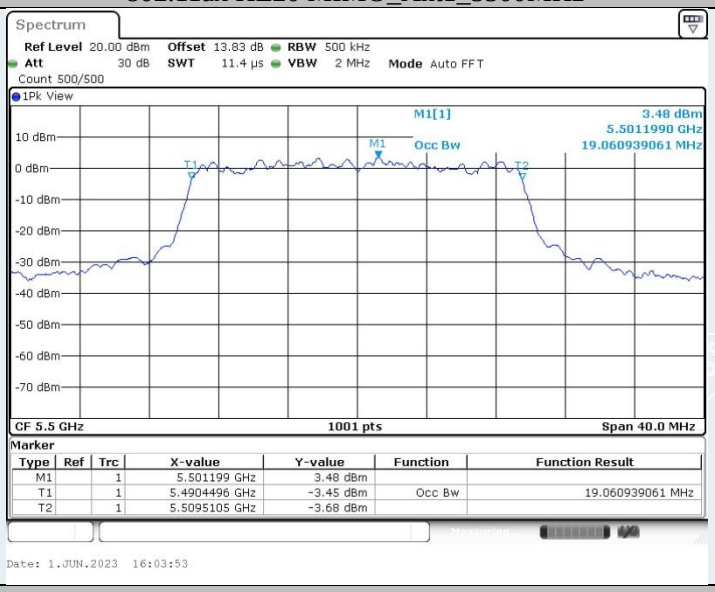

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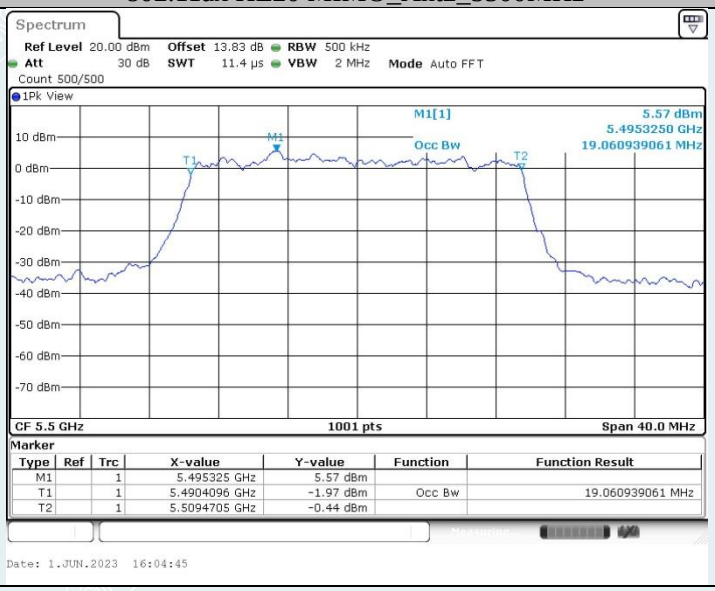
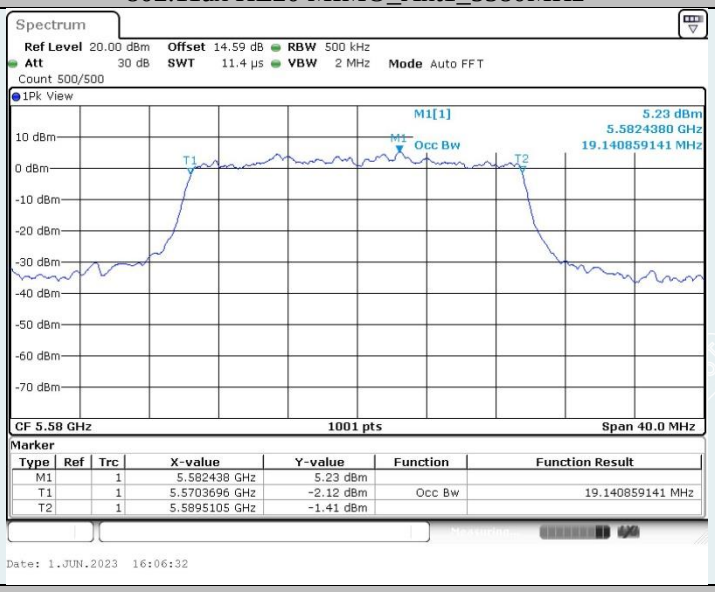


802.11ax HE20 MIMO_Ant1_5580MHz



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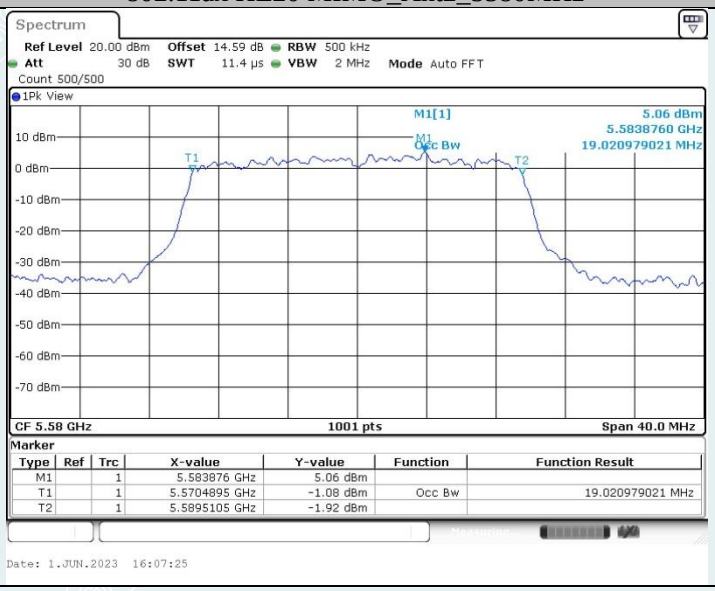

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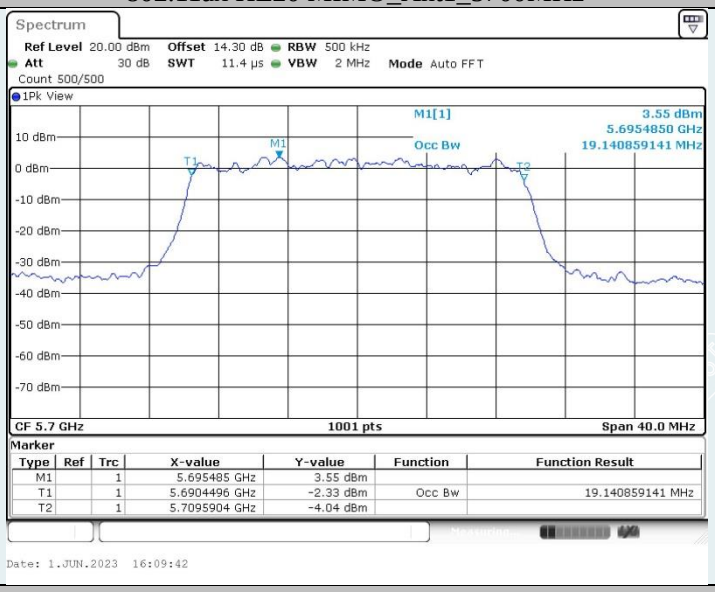
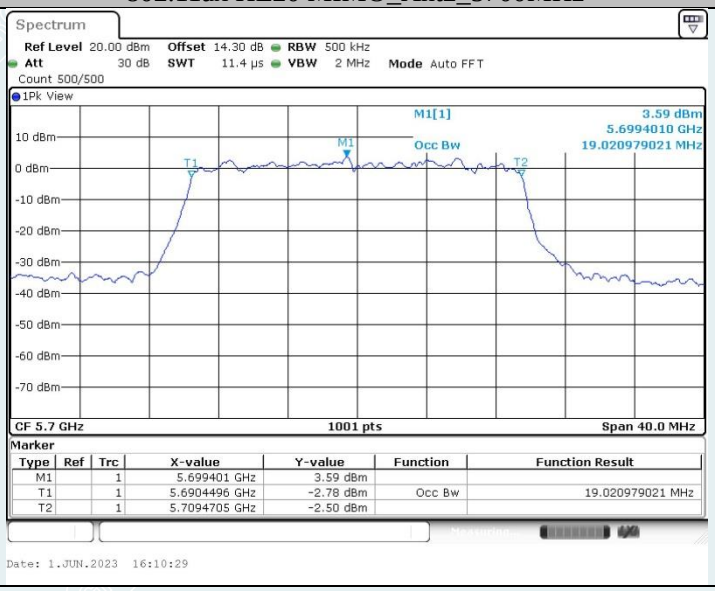
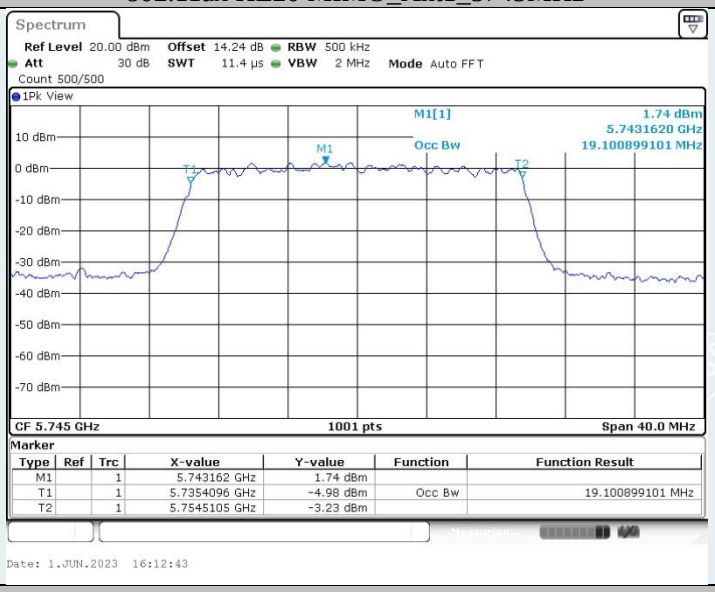


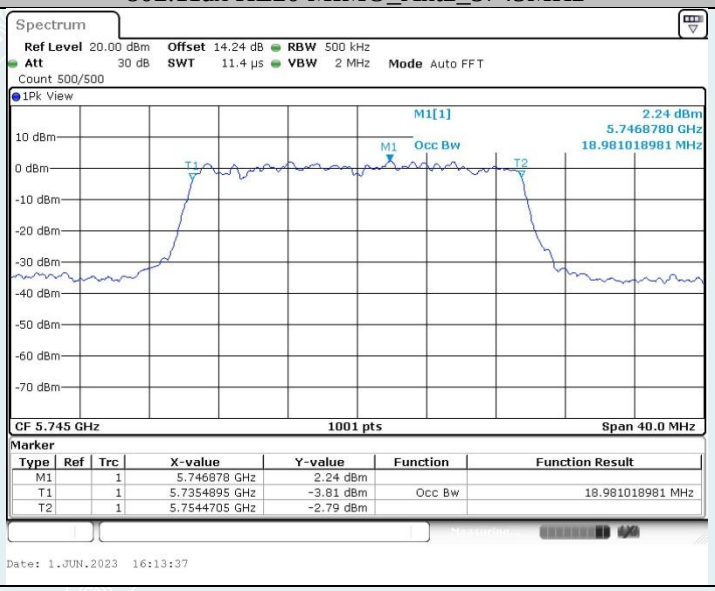
802.11ax HE20 MIMO_Ant2_5700MHz



802.11ax HE20 MIMO_Ant1_5745MHz



802.11ax HE20 MIMO_Ant2_5745MHz



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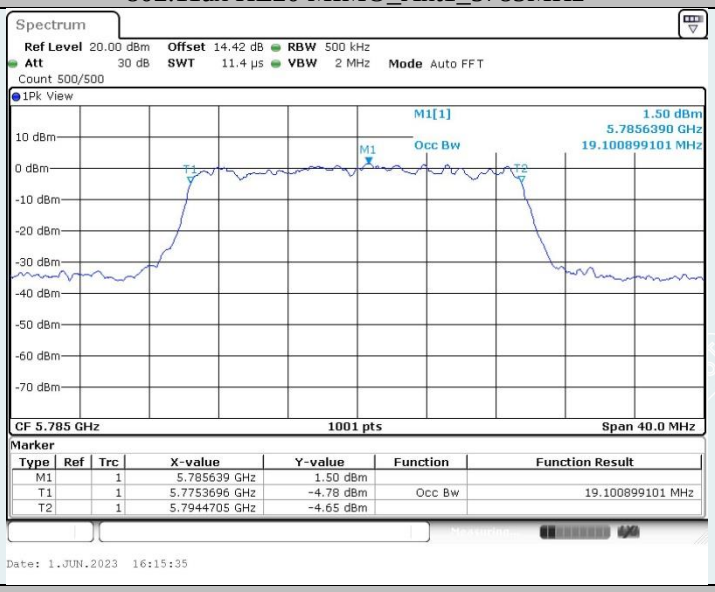
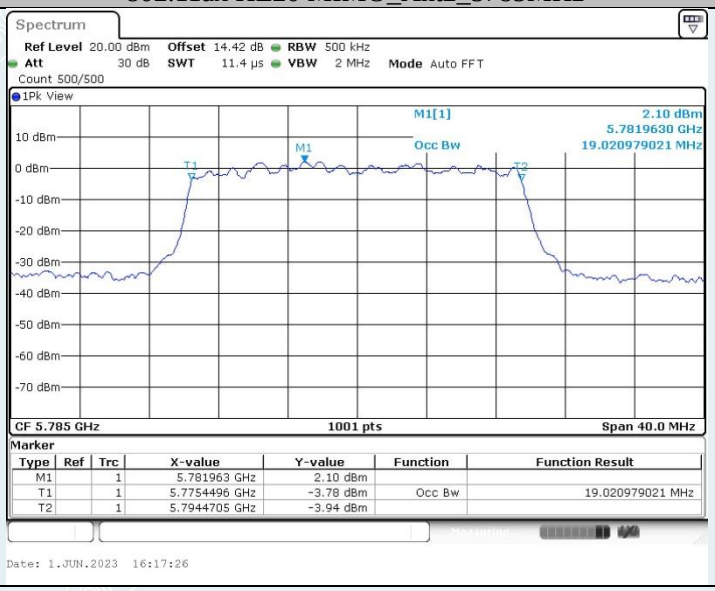
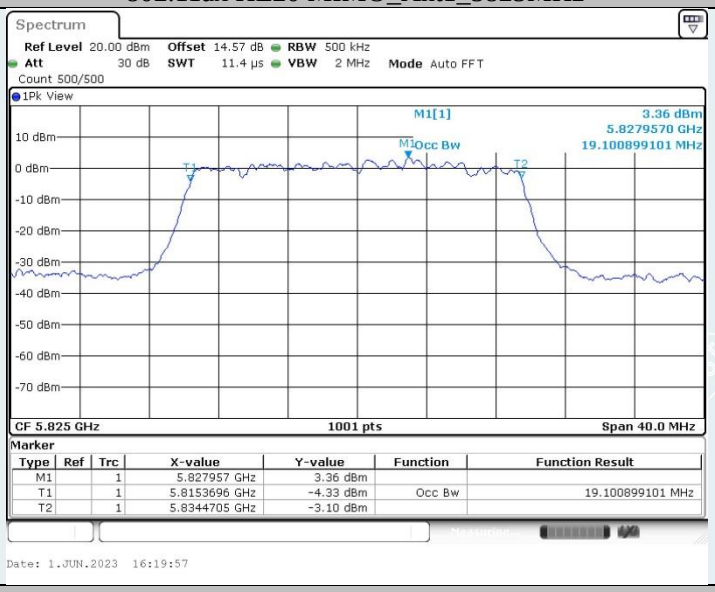


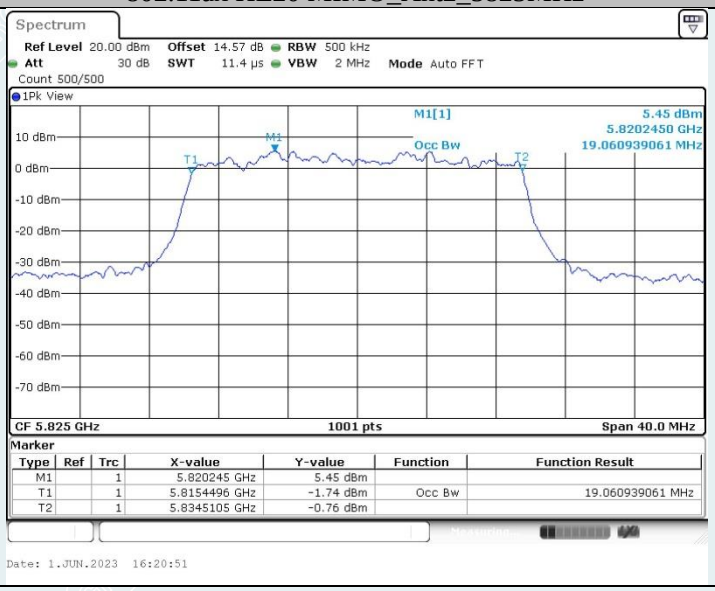
802.11ax HE20 MIMO_Ant2_5785MHz



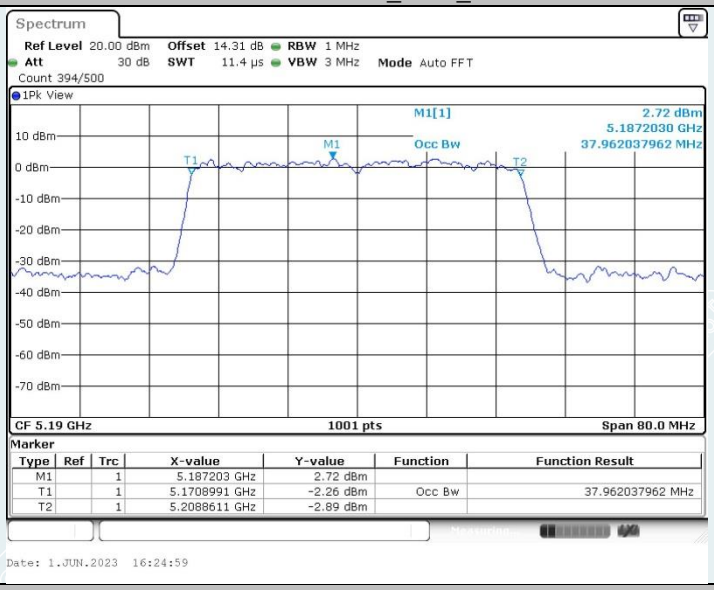
802.11ax HE20 MIMO_Ant1_5825MHz



802.11ax HE20 MIMO_Ant2_5825MHz



802.11ax HE40 MIMO_Ant1_5190MHz



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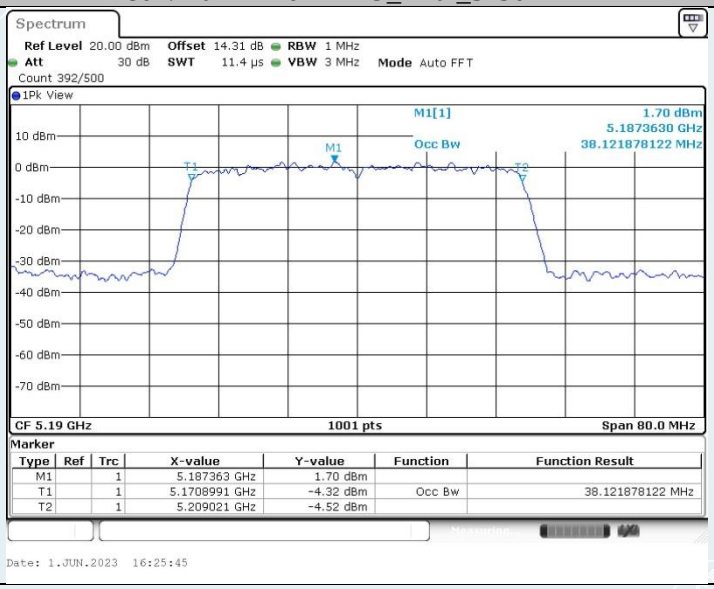
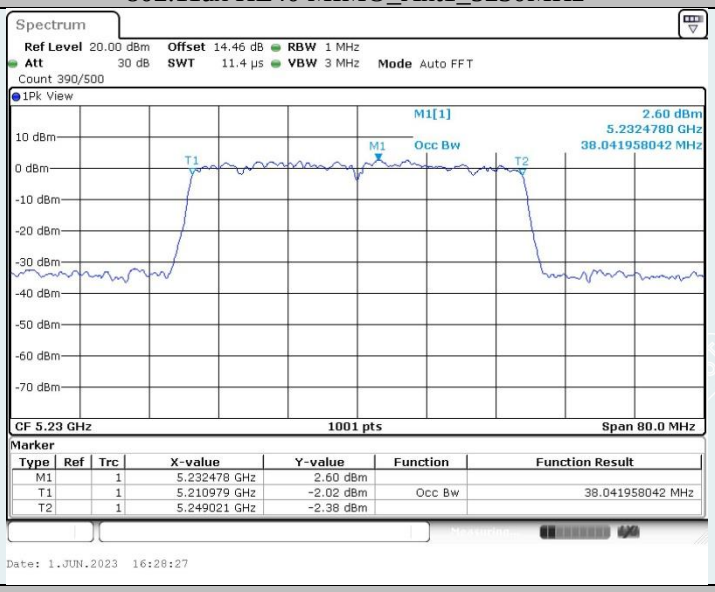


802.11ax HE40 MIMO_Ant1_5230MHz



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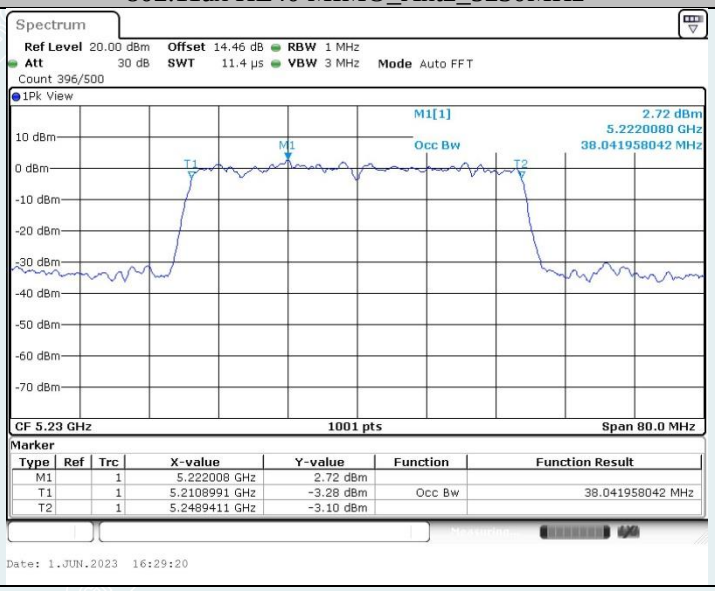

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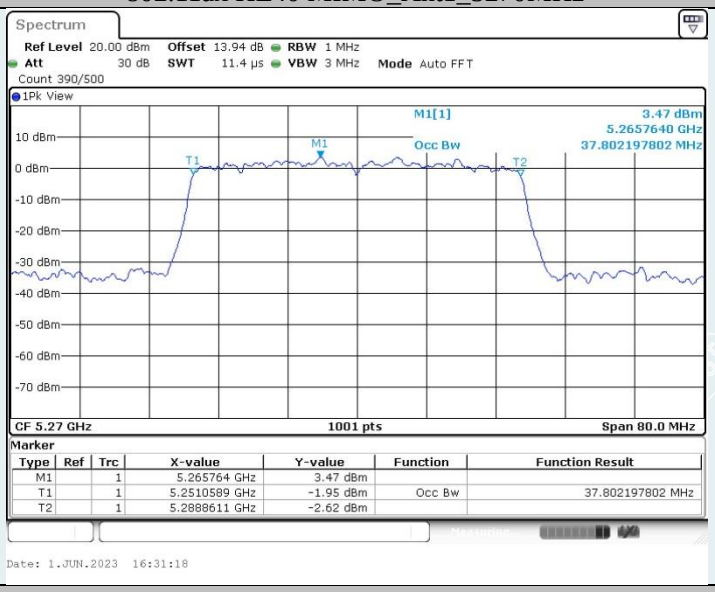
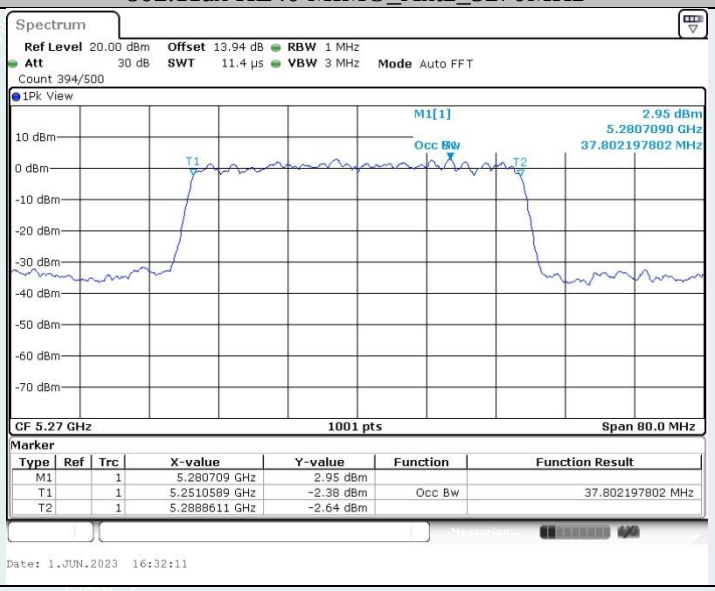
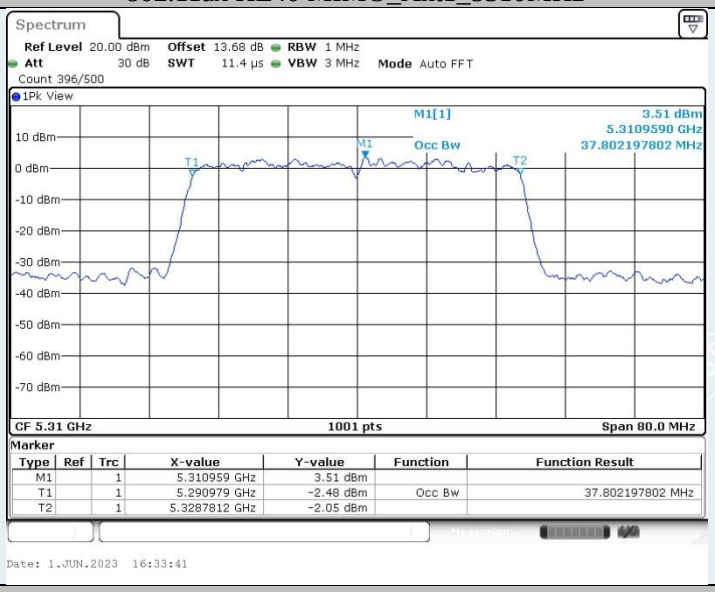


802.11ax HE40 MIMO_Ant2_5270MHz



802.11ax HE40 MIMO_Ant1_5310MHz



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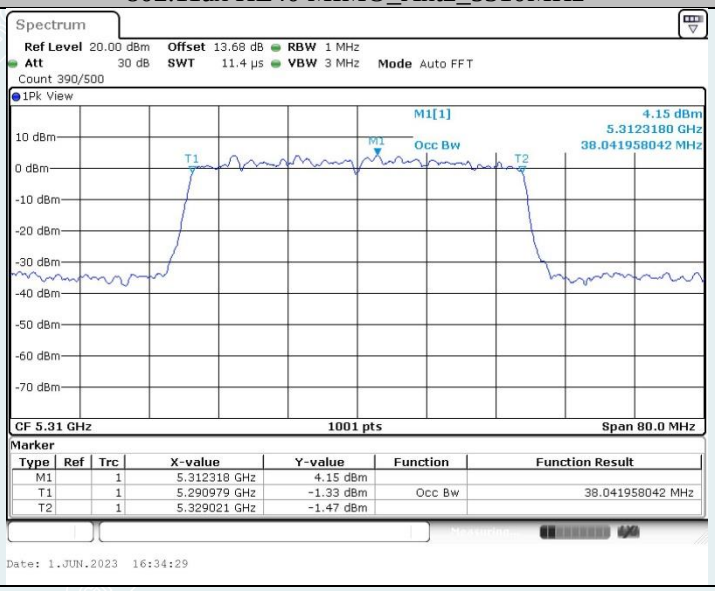
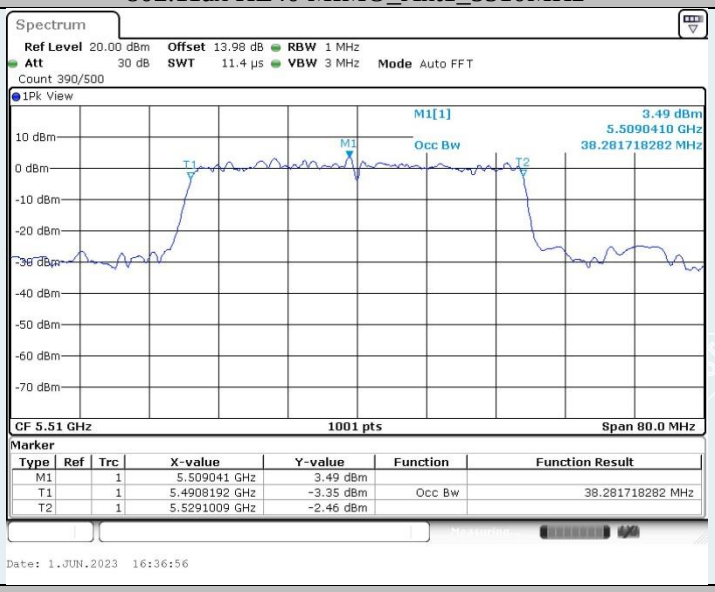
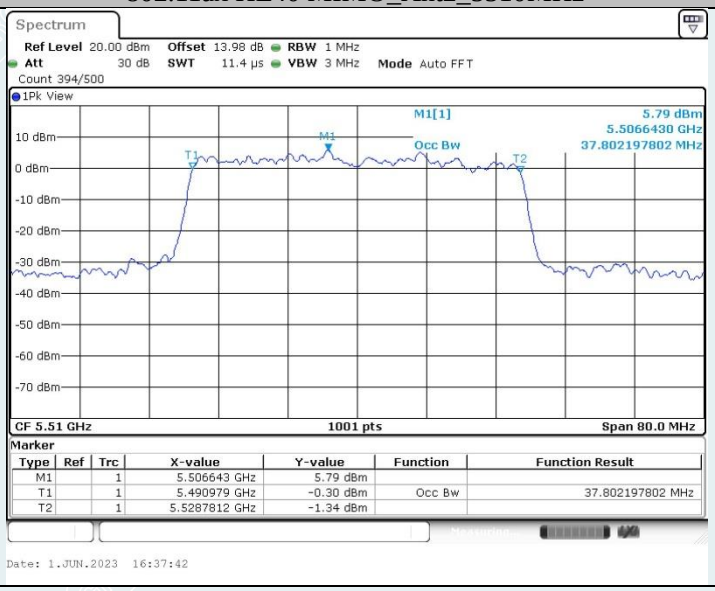


802.11ax HE40 MIMO_Ant1_5510MHz



802.11ax HE40 MIMO_Ant2_5510MHz



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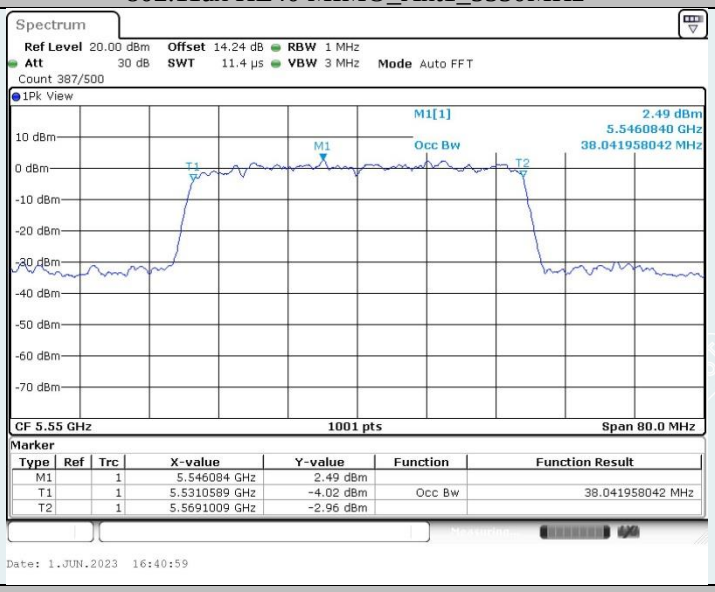

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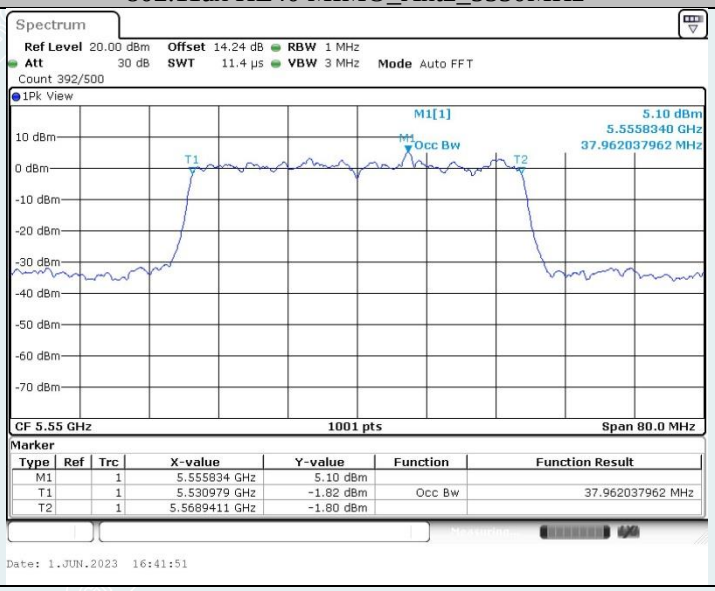
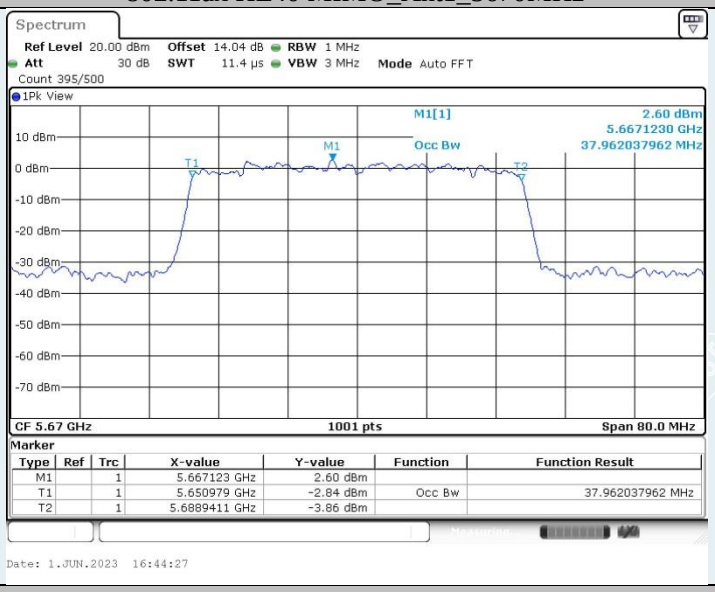
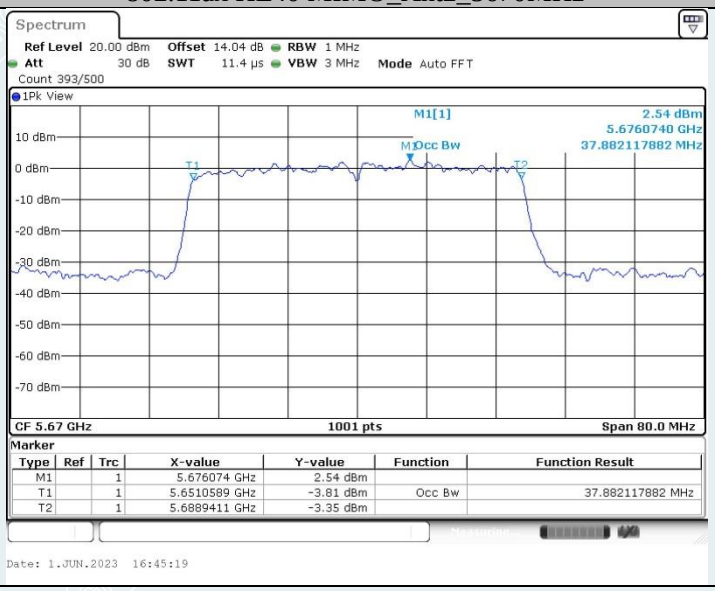


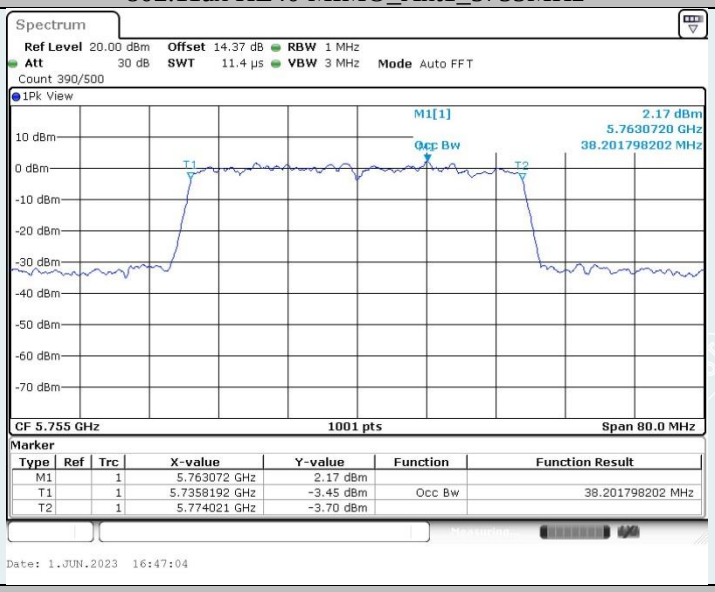
802.11ax HE40 MIMO_Ant1_5670MHz



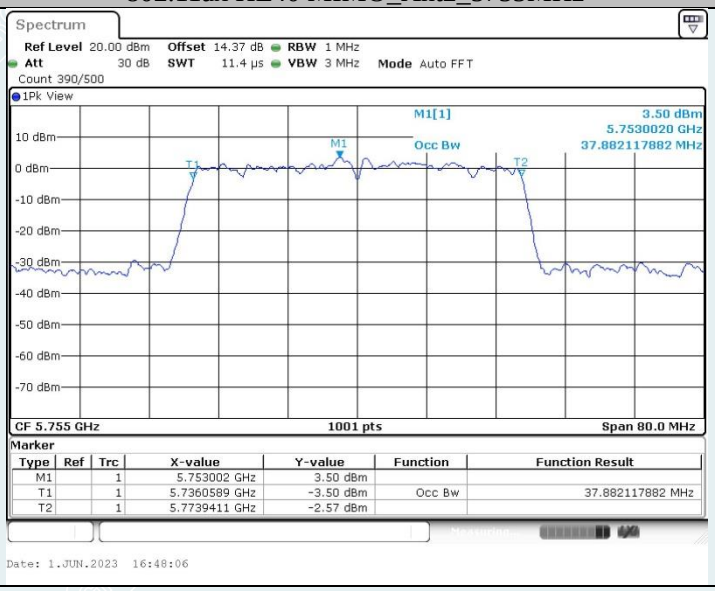
802.11ax HE40 MIMO_Ant2_5670MHz



802.11ax HE40 MIMO_Ant1_5755MHz



802.11ax HE40 MIMO_Ant2_5755MHz



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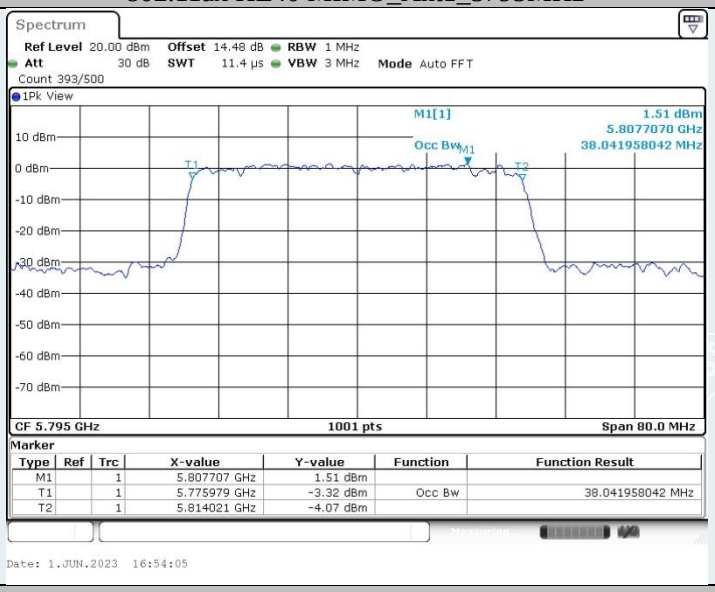
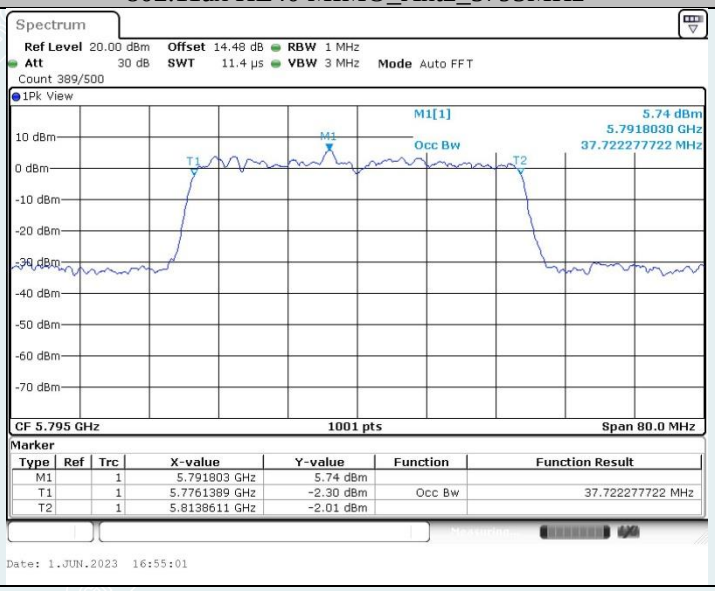
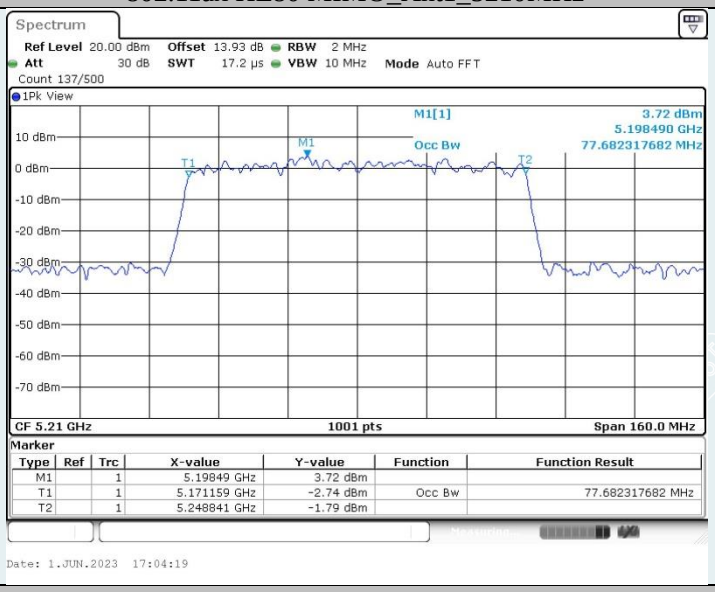


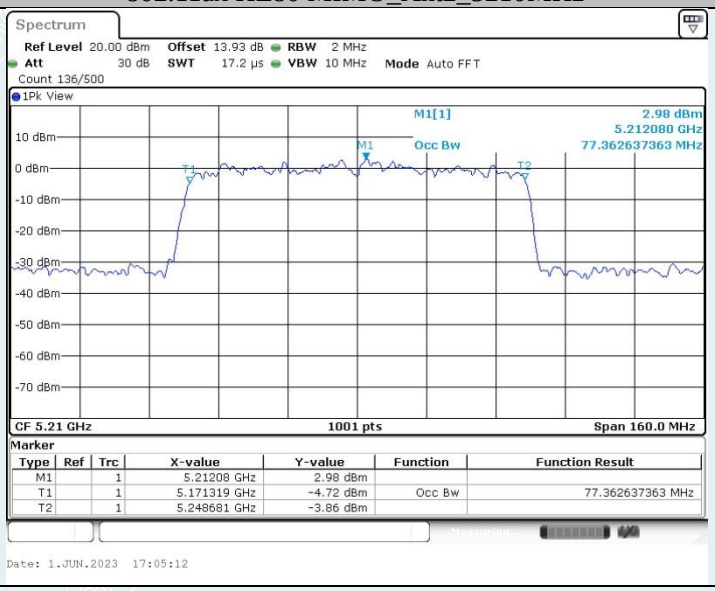
802.11ax HE40 MIMO_Ant2_5795MHz



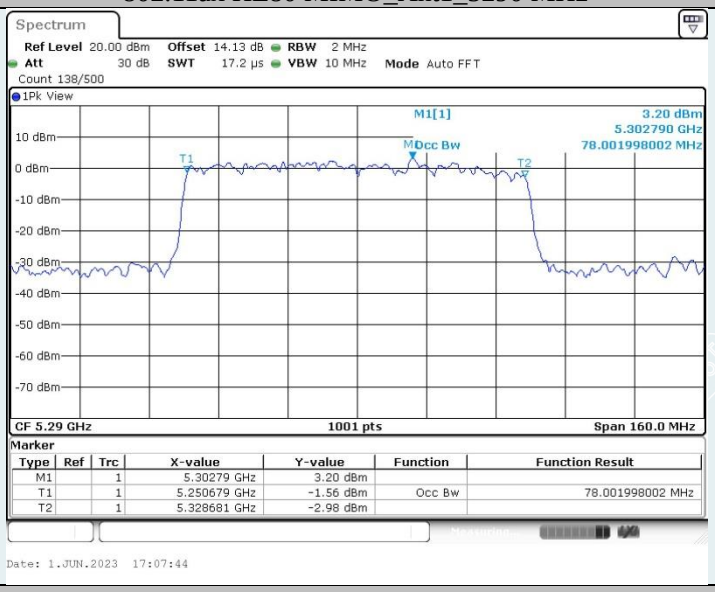
802.11ax HE80 MIMO_Ant1_5210MHz



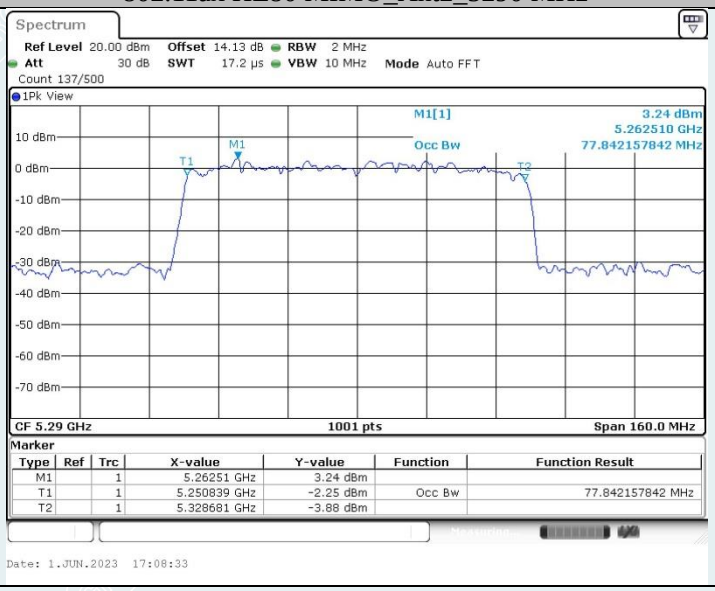
802.11ax HE80 MIMO_Ant2_5210MHz



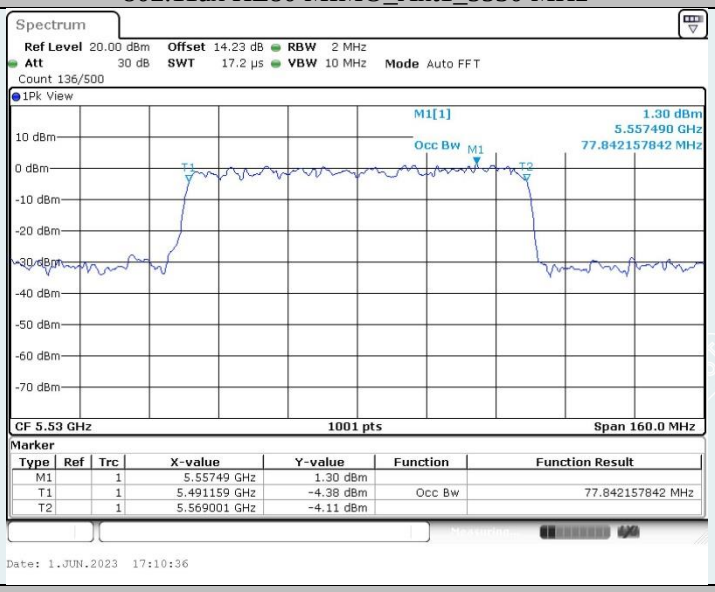
802.11ax HE80 MIMO_Ant1_5290 MHz



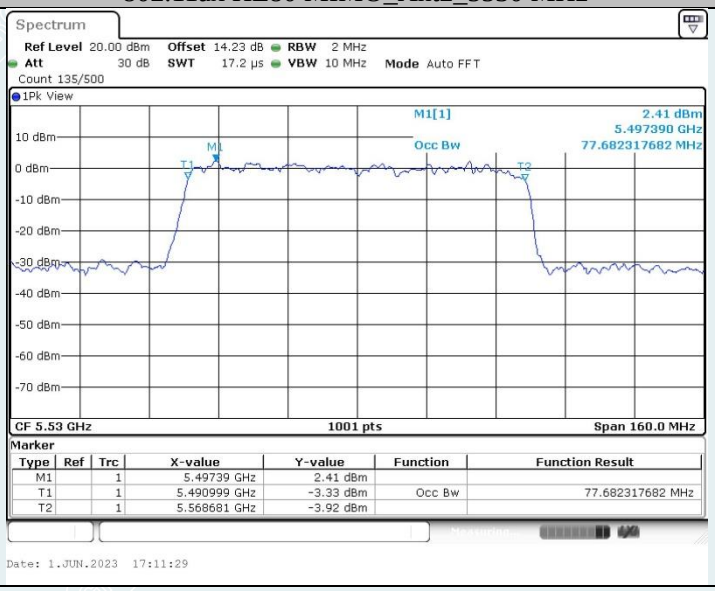
802.11ax HE80 MIMO_Ant2_5290 MHz



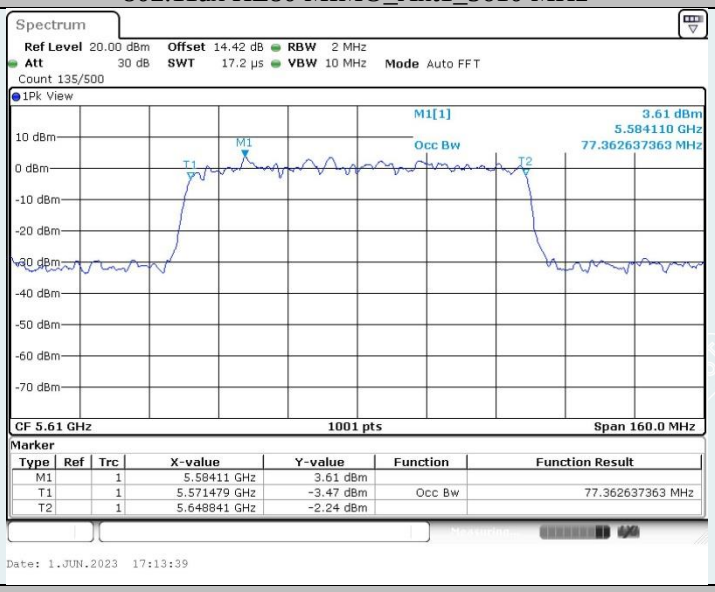
802.11ax HE80 MIMO_Ant1_5530 MHz



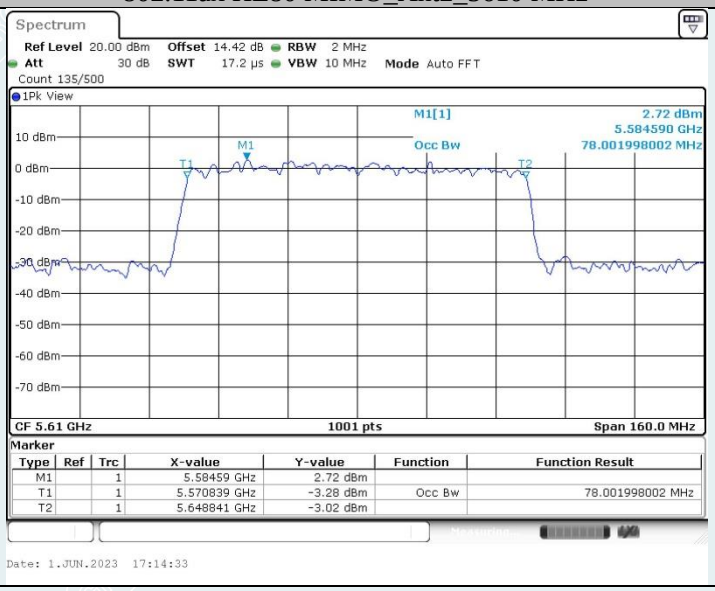
802.11ax HE80 MIMO_Ant2_5530 MHz



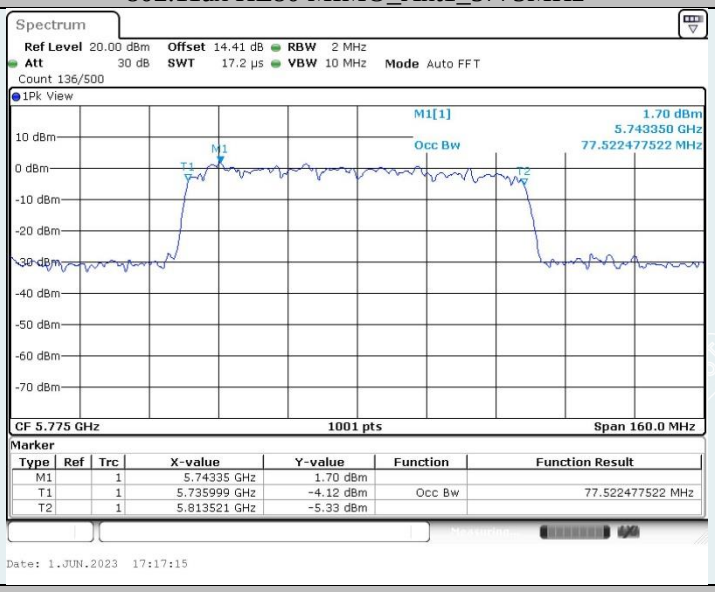
802.11ax HE80 MIMO_Ant1_5610 MHz



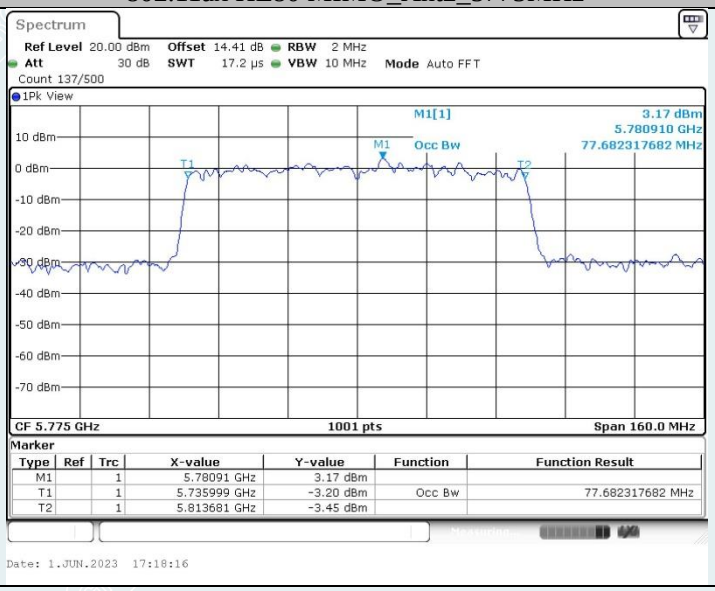
802.11ax HE80 MIMO_Ant2_5610 MHz



802.11ax HE80 MIMO_Ant1_5775MHz



802.11ax HE80 MIMO_Ant2_5775MHz



8. OUTPUT POWER

8.1. LIMITS

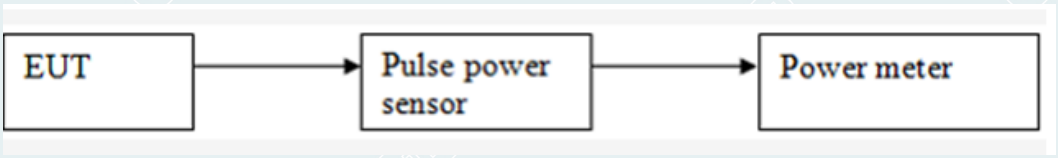
The FCC 15.407(a),The maximum conducted output power should not exceed:

Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	1W(30dBm) (Max. e.i.r.p≦125mW at any elevation angle above 30 degrees as measured from the horizon)
	Indoor Access Point	1W(30dBm)
	Fixed point-to-point Access Point	1W(30dBm)
	Mobile and Portable Client Device	250mW(23.98dBm)
U-NII-2A	All Device	250mW(23.98dBm) or 11dBm+10 log B,Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-2C	All Device	250mW(23.98dBm) or 11dBm+10 log B,Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-3	All Device	1W(30dBm)

8.2. TEST PROCEDURES

1) 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.
2) Set to the maximum power setting and enable the EUT transmit continuously.
3) Measure the conducted output power and record the results in the test report.

8.3. TEST SETUP



---------- **The following blanks** ----------

8.4. TEST RESULTS

Environmental Conditions	25.7℃/52%RH/101.0kPa	Test Voltage	DC 12V
Tested By	Qing Tingting	Tested Date	2023-06-01

Test Mode	Band	Frequency (MHz)	AVG Conducted Output Power with Duty Factor (dBm)		antenna 1 Limit (dBm)	antenna 2 Limit (dBm)	Result
			antenna 1	antenna 2			
802.11a	U-NII-1	5180	12.81	12.62	24.00	24.00	Pass
		5200	12.78	12.70			Pass
		5240	12.15	12.83			Pass
	U-NII-2A	5260	12.84	12.91	24.00	23.71	Pass
		5280	12.51	12.95			Pass
		5320	12.48	12.85			Pass
	U-NII-2C	5500	12.33	12.86	24.00	24.00	Pass
		5580	12.89	12.57			Pass
		5700	13.08	12.84			Pass
	U-NII-3	5745	10.89	10.46	30.0	30.0	Pass
		5785	10.11	10.83			Pass
		5825	10.62	10.38			Pass

Test Mode	Band	Frequency (MHz)	AVG Conducted Output Power with Duty Factor (dBm)			Limit (dBm)	Result
			antenna 1	antenna 2	total		
802.11n HT20	U-NII-1	5180	11.40	11.47	14.45	24.00	Pass
		5200	11.36	11.54	14.46		Pass
		5240	11.16	11.70	14.45		Pass
	U-NII-2A	5260	11.02	11.81	14.44	24.00	Pass
		5280	11.22	11.51	14.38		Pass
		5320	11.75	11.84	14.81		Pass
	U-NII-2C	5500	11.35	11.82	14.60	24.00	Pass
		5580	11.41	11.55	14.49		Pass
		5700	11.25	11.83	14.56		Pass
	U-NII-3	5745	8.67	8.32	11.51	30.00	Pass
		5785	8.82	8.87	11.86		Pass
		5825	8.48	8.45	11.48		Pass

Test Mode	Band	Frequency (MHz)	AVG Conducted Output Power with Duty Factor (dBm)			Limit (dBm)	Result
			antenna 1	antenna 2	total		
802.11ac VHT20	U-NII-1	5180	10.94	10.57	13.77	24.00	Pass
		5200	10.93	10.68	13.82		Pass
		5240	10.85	10.78	13.83		Pass
	U-NII-2A	5260	11.16	10.85	14.02	24.00	Pass
		5280	10.77	10.96	13.88		Pass
		5320	10.85	11.01	13.94		Pass
	U-NII-2C	5500	11.07	10.86	13.98	24.00	Pass
		5580	10.52	10.57	13.56		Pass
		5700	11.06	10.93	14.01		Pass
	U-NII-3	5745	7.75	7.75	10.76	30.00	Pass
		5785	7.94	7.81	10.89		Pass
		5825	7.71	7.86	10.80		Pass

Test Mode	Band	Frequency (MHz)	AVG Conducted Output Power with Duty Factor (dBm)			Limit (dBm)	Result
			antenna 1	antenna 2	total		
802.11ax HE20	U-NII-1	5180	10.10	9.73	12.93	24.00	Pass
		5200	10.05	9.82	12.95		Pass
		5240	9.47	9.94	12.72		Pass
	U-NII-2A	5260	9.28	10.04	12.69	24.00	Pass
		5280	9.86	9.64	12.76		Pass
		5320	9.97	10.01	13.00		Pass
	U-NII-2C	5500	9.29	9.86	12.59	24.00	Pass
		5580	9.73	9.72	12.74		Pass
		5700	9.71	9.98	12.86		Pass
	U-NII-3	5745	7.95	7.35	10.67	30.00	Pass
		5785	7.29	7.94	10.64		Pass
		5825	7.38	7.46	10.43		Pass

Test Mode	Band	Frequency (MHz)	AVG Conducted Output Power with Duty Factor (dBm)			Limit (dBm)	Result
			antenna 1	antenna 2	total		
802.11n HT40	U-NII-1	5190	11.22	10.95	14.10	24.00	Pass
		5230	10.67	10.09	13.40		Pass
	U-NII-2A	5270	11.20	11.34	14.28	24.00	Pass
		5310	11.41	11.40	14.42		Pass
	U-NII-2C	5510	11.04	11.24	14.15	24.00	Pass
		5550	10.97	10.71	13.85		Pass
		5670	10.96	10.92	13.95		Pass
	U-NII-3	5755	8.45	7.93	11.21	30.00	Pass
		5795	8.12	8.48	11.31		Pass

Test Mode	Band	Frequency (MHz)	AVG Conducted Output Power with Duty Factor (dBm)			Limit (dBm)	Result
			antenna 1	antenna 2	total		
802.11ac VHT40	U-NII-1	5190	10.35	10.47	13.42	24.00	Pass
		5230	10.87	10.55	13.72		Pass
	U-NII-2A	5270	10.40	10.26	13.34	24.00	Pass
		5310	10.57	10.34	13.47		Pass
	U-NII-2C	5510	10.64	10.14	13.41	24.00	Pass
		5550	10.10	9.74	12.93		Pass
		5670	10.07	10.04	13.07		Pass
	U-NII-3	5755	8.05	7.96	11.02	30.00	Pass
		5795	7.70	7.49	10.61		Pass

Test Mode	Band	Frequency (MHz)	AVG Conducted Output Power with Duty Factor (dBm)			Limit (dBm)	Result
			antenna 1	antenna 2	total		
802.11ax HE40	U-NII-1	5190	9.11	8.84	11.99	24.00	Pass
		5230	8.68	9.07	11.89		Pass
	U-NII-2A	5270	9.25	9.15	12.21	24.00	Pass
		5310	9.45	9.24	12.36		Pass
	U-NII-2C	5510	9.49	9.05	12.29	24.00	Pass
		5550	8.94	9.12	12.04		Pass
		5670	8.87	8.87	11.88		Pass
	U-NII-3	5755	8.04	7.83	10.95	30.00	Pass
		5795	8.07	7.37	10.74		Pass

Test Mode	Band	Frequency (MHz)	AVG Conducted Output Power with Duty Factor (dBm)			Limit (dBm)	Result
			antenna 1	antenna 2	total		
802.11ac VHT80	U-NII-1	5210	10.40	10.31	13.37	24.00	Pass
	U-NII-2A	5290	10.37	10.18	13.29	24.00	Pass
	U-NII-2C	5530	10.55	10.62	13.60	24.00	Pass
		5610	10.23	10.15	13.20		Pass
	U-NII-3	5775	7.47	7.95	10.73	30.00	Pass

Test Mode	Band	Frequency (MHz)	AVG Conducted Output Power with Duty Factor (dBm)			Limit (dBm)	Result
			antenna 1	antenna 2	total		
802.11ax HE80	U-NII-1	5210	8.94	8.91	11.94	24.00	Pass
	U-NII-2A	5290	8.88	9.11	12.01	24.00	Pass
	U-NII-2C	5530	8.53	8.65	11.60	24.00	Pass
		5610	9.10	8.61	11.87		Pass
	U-NII-3	5775	7.57	7.98	10.79	30.00	Pass

Note :

1) 802.11a Mode antenna 2 Output Power Limit=11dBm+10log B(18.68 MHz)=23.71dBm (B is 26dB Bandwidth in MHz)
2) According KDB 662911 the antenna gain is equal and the number of antennas is less than 4, Array gain=0, and power does not need to be counted as rollback.

9. POWER SPECTRAL DENSITY

9.1. LIMITS

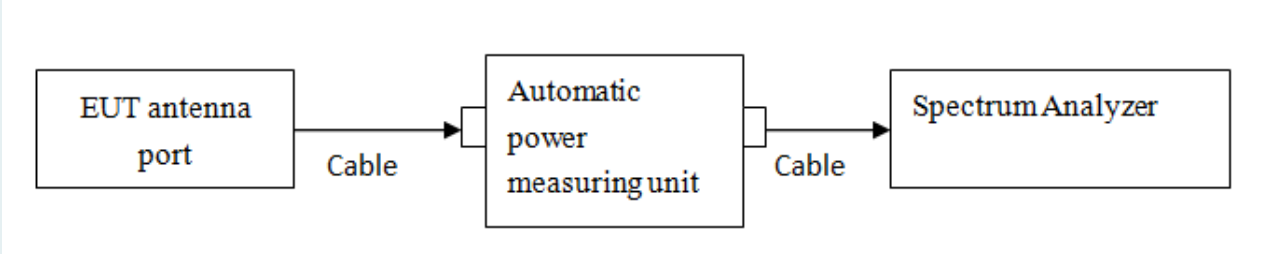
FCC 15.407(a)
The maximum power spectral density should not exceed:

Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	17dBm/MHz
	Indoor Access Point	17dBm/MHz
	Fixed point-to-point Access Point	17dBm/MHz
	Mobile and Portable Client Device	11dBm/MHz
U-NII-2A	All Device	11dBm/MHz
U-NII-2C	All Device	11dBm/MHz
U-NII-3	All Device	30dBm/500kHz

9.2. TEST PROCEDURES

Spectrum Parameters	Setting
RBW	1MHz(For U-NII-1&U-NII-2A&U-NII-2C) 500kHz(For U-NII-3)
VBW	3MHz(For U-NII-1&U-NII-2A&U-NII-2C) 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	≥2×SPAN/RBW
Detector	RMS(power averaging)
Trace Average	≥100 traces

9.3. TEST SETUP



9.4. TEST RESULTS

Environmental Conditions	25.7℃/52%RH/101.0kPa	Test Voltage	DC 12V
Tested By	Qing Tingting	Tested Date	2023-05-29 ~ 2023-06-01

Test Mode	Band	Antenna	Frequency [MHz]	Result+ Duty factor [dBm/MHz]	Limit [dBm/MHz]	Verdict
802.11a	U-NII-1	Ant1	5180	1.56	≤11	PASS
		Ant2	5180	1.16	≤11	PASS
		Ant1	5200	1.53	≤11	PASS
		Ant2	5200	1.39	≤11	PASS
		Ant1	5240	1.21	≤11	PASS
		Ant2	5240	0.95	≤11	PASS
	U-NII-2A	Ant1	5260	1.64	≤11	PASS
		Ant2	5260	0.95	≤11	PASS
		Ant1	5280	1.94	≤11	PASS
		Ant2	5280	1.18	≤11	PASS
		Ant1	5320	0.36	≤11	PASS
		Ant2	5320	1.14	≤11	PASS
	U-NII-2C	Ant1	5500	0.80	≤11	PASS
		Ant2	5500	0.67	≤11	PASS
		Ant1	5580	2.57	≤11	PASS
		Ant2	5580	2.02	≤11	PASS
		Ant1	5700	1.12	≤11	PASS
		Ant2	5700	1.31	≤11	PASS
802.11n HT20 MIMO	U-NII-1	Ant1	5180	-0.19	≤11	PASS
		Ant2	5180	0.06	≤11	PASS
		total	5180	2.95	≤11	PASS
		Ant1	5200	0.69	≤11	PASS
		Ant2	5200	-0.10	≤11	PASS
		total	5200	3.41	≤11	PASS
		Ant1	5240	-0.22	≤11	PASS
		Ant2	5240	-0.47	≤11	PASS
		total	5240	2.67	≤11	PASS
	U-NII-2A	Ant1	5260	-0.44	≤11	PASS
		Ant2	5260	-1.18	≤11	PASS
		total	5260	2.22	≤11	PASS
		Ant1	5280	-0.66	≤11	PASS
		Ant2	5280	-0.44	≤11	PASS
		total	5280	2.46	≤11	PASS
		Ant1	5320	-0.01	≤11	PASS
		Ant2	5320	0.62	≤11	PASS
		total	5320	3.33	≤11	PASS
	U-NII-2C	Ant1	5500	-0.89	≤11	PASS
		Ant2	5500	-0.60	≤11	PASS
		total	5500	2.27	≤11	PASS
		Ant1	5580	0.54	≤11	PASS
		Ant2	5580	0.13	≤11	PASS
		total	5580	3.35	≤11	PASS
		Ant1	5700	-1.02	≤11	PASS
		Ant2	5700	0.12	≤11	PASS
		total	5700	2.60	≤11	PASS

Test Mode	Band	Antenna	Frequency [MHz]	Result+ Duty factor [dBm/MHz]	Limit [dBm/MHz]	Verdict
802.11n HT40 MIMO	U-NII-1	Ant1	5190	-3.49	≤11	PASS
		Ant2	5190	-3.47	≤11	PASS
		total	5190	-0.47	≤11	PASS
		Ant1	5230	-3.94	≤11	PASS
		Ant2	5230	-3.43	≤11	PASS
		total	5230	-0.67	≤11	PASS
	U-NII-2A	Ant1	5270	-3.08	≤11	PASS
		Ant2	5270	-3.83	≤11	PASS
		total	5270	-0.43	≤11	PASS
		Ant1	5310	-3.02	≤11	PASS
		Ant2	5310	-3.74	≤11	PASS
		total	5310	-0.35	≤11	PASS
	U-NII-2C	Ant1	5510	-4.22	≤11	PASS
		Ant2	5510	-4.22	≤11	PASS
		total	5510	-1.21	≤11	PASS
		Ant1	5550	-4.05	≤11	PASS
		Ant2	5550	-3.85	≤11	PASS
		total	5550	-0.94	≤11	PASS
		Ant1	5670	-3.41	≤11	PASS
		Ant2	5670	-3.49	≤11	PASS
		total	5670	-0.44	≤11	PASS
802.11ac VHT20 MIMO	U-NII-1	Ant1	5180	-0.98	≤11	PASS
		Ant2	5180	-1.03	≤11	PASS
		total	5180	2.01	≤11	PASS
		Ant1	5200	-0.01	≤11	PASS
		Ant2	5200	-1.36	≤11	PASS
		total	5200	2.38	≤11	PASS
		Ant1	5240	-0.45	≤11	PASS
		Ant2	5240	-1.09	≤11	PASS
		total	5240	2.25	≤11	PASS
	U-NII-2A	Ant1	5260	-0.87	≤11	PASS
		Ant2	5260	-1.60	≤11	PASS
		total	5260	1.79	≤11	PASS
		Ant1	5280	-1.04	≤11	PASS
		Ant2	5280	-0.95	≤11	PASS
		total	5280	2.02	≤11	PASS
		Ant1	5320	-0.92	≤11	PASS
		Ant2	5320	-1.13	≤11	PASS
		total	5320	1.99	≤11	PASS
	U-NII-2C	Ant1	5500	-1.47	≤11	PASS
		Ant2	5500	-1.19	≤11	PASS
		total	5500	1.68	≤11	PASS
		Ant1	5580	-0.50	≤11	PASS
		Ant2	5580	-0.34	≤11	PASS
		total	5580	2.59	≤11	PASS
		Ant1	5700	-1.24	≤11	PASS
		Ant2	5700	-0.74	≤11	PASS
		total	5700	2.03	≤11	PASS

Test Mode	Band	Antenna	Frequency [MHz]	Result+ Duty factor [dBm/MHz]	Limit [dBm/MHz]	Verdict
802.11ac VHT40 MIMO	U-NII-1	Ant1	5190	-4.42	≤11	PASS
		Ant2	5190	-4.26	≤11	PASS
		total	5190	-1.33	≤11	PASS
		Ant1	5230	-3.87	≤11	PASS
		Ant2	5230	-4.55	≤11	PASS
		total	5230	-1.19	≤11	PASS
	U-NII-2A	Ant1	5270	-4.22	≤11	PASS
		Ant2	5270	-5.00	≤11	PASS
		total	5270	-1.58	≤11	PASS
		Ant1	5310	-4.11	≤11	PASS
		Ant2	5310	-3.63	≤11	PASS
		total	5310	-0.85	≤11	PASS
	U-NII-2C	Ant1	5510	-4.94	≤11	PASS
		Ant2	5510	-6.19	≤11	PASS
		total	5510	-2.51	≤11	PASS
		Ant1	5550	-4.97	≤11	PASS
		Ant2	5550	-5.57	≤11	PASS
		total	5550	-2.25	≤11	PASS
		Ant1	5670	-5.22	≤11	PASS
		Ant2	5670	-5.27	≤11	PASS
		total	5670	-2.23	≤11	PASS
802.11ac VHT80 MIMO	U-NII-1	Ant1	5210	-7.26	≤11	PASS
		Ant2	5210	-7.60	≤11	PASS
		total	5210	-4.42	≤11	PASS
	U-NII-2A	Ant1	5290	-6.68	≤11	PASS
		Ant2	5290	-7.19	≤11	PASS
		total	5290	-3.92	≤11	PASS
	U-NII-2C	Ant1	5530	-7.71	≤11	PASS
		Ant2	5530	-7.54	≤11	PASS
		total	5530	-4.61	≤11	PASS
		Ant1	5610	-7.66	≤11	PASS
		Ant2	5610	-6.85	≤11	PASS
		total	5610	-4.23	≤11	PASS
802.11ax HE20 MIMO	U-NII-1	Ant1	5180	-1.91	≤11	PASS
		Ant2	5180	-0.15	≤11	PASS
		total	5180	2.07	≤11	PASS
		Ant1	5200	-2.36	≤11	PASS
		Ant2	5200	-2.21	≤11	PASS
		total	5200	0.73	≤11	PASS
		Ant1	5240	-2.20	≤11	PASS
		Ant2	5240	-2.38	≤11	PASS
		total	5240	0.72	≤11	PASS
	U-NII-2A	Ant1	5260	-2.70	≤11	PASS
		Ant2	5260	-2.34	≤11	PASS
		total	5260	0.49	≤11	PASS
		Ant1	5280	-1.84	≤11	PASS
		Ant2	5280	-1.97	≤11	PASS
		total	5280	1.11	≤11	PASS
		Ant1	5320	-2.23	≤11	PASS
		Ant2	5320	-2.23	≤11	PASS
		total	5320	0.78	≤11	PASS

Test Mode	Band	Antenna	Frequency [MHz]	Result+ Duty factor [dBm/MHz]	Limit [dBm/MHz]	Verdict
802.11ax HE20 MIMO	U-NII-2C	Ant1	5500	-3.38	≤11	PASS
		Ant2	5500	-2.76	≤11	PASS
		total	5500	-0.05	≤11	PASS
		Ant1	5580	-1.72	≤11	PASS
		Ant2	5580	-1.95	≤11	PASS
		total	5580	1.18	≤11	PASS
		Ant1	5700	-2.65	≤11	PASS
		Ant2	5700	-1.62	≤11	PASS
		total	5700	0.91	≤11	PASS
802.11ax HE40 MIMO	U-NII-1	Ant1	5190	-5.78	≤11	PASS
		Ant2	5190	-5.52	≤11	PASS
		total	5190	-2.64	≤11	PASS
		Ant1	5230	-5.94	≤11	PASS
		Ant2	5230	-5.85	≤11	PASS
		total	5230	-2.88	≤11	PASS
	U-NII-2A	Ant1	5270	-5.55	≤11	PASS
		Ant2	5270	-5.82	≤11	PASS
		total	5270	-2.67	≤11	PASS
		Ant1	5310	-5.35	≤11	PASS
		Ant2	5310	-5.88	≤11	PASS
		total	5310	-2.60	≤11	PASS
	U-NII-2C	Ant1	5510	-5.86	≤11	PASS
		Ant2	5510	-6.44	≤11	PASS
		total	5510	-3.13	≤11	PASS
		Ant1	5550	-6.37	≤11	PASS
		Ant2	5550	-6.37	≤11	PASS
		total	5550	-3.36	≤11	PASS
		Ant1	5670	-6.46	≤11	PASS
		Ant2	5670	-5.46	≤11	PASS
		total	5670	-2.92	≤11	PASS
802.11ax HE80 MIMO	U-NII-1	Ant1	5210	-7.98	≤11	PASS
		Ant2	5210	-8.83	≤11	PASS
		total	5210	-5.37	≤11	PASS
	U-NII-2A	Ant1	5290	-8.33	≤11	PASS
		Ant2	5290	-8.54	≤11	PASS
		total	5290	-5.42	≤11	PASS
	U-NII-2C	Ant1	5530	-9.56	≤11	PASS
		Ant2	5530	-9.69	≤11	PASS
		total	5530	-6.61	≤11	PASS
		Ant1	5610	-9.03	≤11	PASS
		Ant2	5610	-8.83	≤11	PASS
		total	5610	-5.92	≤11	PASS

U-NII-1 :
Note1: This EUT supports MIMO 2X2, any transmit signals are correlated with each other, According KDB 662911 the Directional gain =1.63+10log (2)dBi, that is Directional gain (dBi)=4.64
Note2: Antenna gain is no greater than 6, Power Spectral Density Limit=11dBm/MHz

U-NII-2A :
Note1: This EUT supports MIMO 2X2, any transmit signals are correlated with each other, According KDB 662911 the Directional gain =1.17+10log (2)dBi, that is Directional gain (dBi)=4.18
Note2: Antenna gain is no greater than 6, Power Spectral Density Limit=11dBm/MHz

U-NII-2C :
Note1: This EUT supports MIMO 2X2, any transmit signals are correlated with each other, According KDB 662911 the Directional gain =1.83+10log (2)dBi, that is Directional gain (dBi)=4.84
Note2: Antenna gain is no greater than 6, Power Spectral Density Limit=11dBm/MHz

Test Mode	Band	Antenna	Frequency [MHz]	Result+ Duty factor [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
802.11a	U-NII-3	Ant1	5745	-4.19	≤30	PASS
		Ant2	5745	-4.15	≤30	PASS
		Ant1	5785	-4.38	≤30	PASS
		Ant2	5785	-4.38	≤30	PASS
		Ant1	5825	-3.46	≤30	PASS
		Ant2	5825	-3.65	≤30	PASS
802.11n HT20 MIMO	U-NII-3	Ant1	5745	-6.26	≤30	PASS
		Ant2	5745	-7.02	≤30	PASS
		total	5745	-3.61	≤30	PASS
		Ant1	5785	-5.70	≤30	PASS
		Ant2	5785	-6.53	≤30	PASS
		total	5785	-3.08	≤30	PASS
		Ant1	5825	-5.58	≤30	PASS
		Ant2	5825	-6.74	≤30	PASS
		total	5825	-3.11	≤30	PASS
802.11n HT40 MIMO	U-NII-3	Ant1	5755	-9.32	≤30	PASS
		Ant2	5755	-10.11	≤30	PASS
		total	5755	-6.69	≤30	PASS
		Ant1	5795	-9.16	≤30	PASS
		Ant2	5795	-10.25	≤30	PASS
		total	5795	-6.66	≤30	PASS
802.11ac VHT20 MIMO	U-NII-3	Ant1	5745	-6.99	≤30	PASS
		Ant2	5745	-6.59	≤30	PASS
		total	5745	-3.78	≤30	PASS
		Ant1	5785	-6.64	≤30	PASS
		Ant2	5785	-7.72	≤30	PASS
		total	5785	-4.14	≤30	PASS
		Ant1	5825	-6.43	≤30	PASS
		Ant2	5825	-7.32	≤30	PASS
		total	5825	-3.84	≤30	PASS
802.11ac VHT40 MIMO	U-NII-3	Ant1	5755	-9.66	≤30	PASS
		Ant2	5755	-10.12	≤30	PASS
		total	5755	-6.87	≤30	PASS
		Ant1	5795	-9.62	≤30	PASS
		Ant2	5795	-10.88	≤30	PASS
		total	5795	-7.19	≤30	PASS
802.11ac VHT80 MIMO	U-NII-3	Ant1	5775	-12.94	≤30	PASS
		Ant2	5775	-13.13	≤30	PASS
		total	5775	-10.02	≤30	PASS

Test Mode	Band	Antenna	Frequency [MHz]	Result+ Duty factor [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
802.11ax HE20 MIMO	U-NII-3	Ant1	5745	-6.57	≤30	PASS
		Ant2	5745	-7.70	≤30	PASS
		total	5745	-4.09	≤30	PASS
		Ant1	5785	-7.38	≤30	PASS
		Ant2	5785	-7.46	≤30	PASS
		total	5785	-4.41	≤30	PASS
		Ant1	5825	-6.68	≤30	PASS
		Ant2	5825	-6.75	≤30	PASS
		total	5825	-3.70	≤30	PASS
802.11ax HE40 MIMO	U-NII-3	Ant1	5755	-9.79	≤30	PASS
		Ant2	5755	-8.85	≤30	PASS
		total	5755	-6.28	≤30	PASS
		Ant1	5795	-8.86	≤30	PASS
		Ant2	5795	-7.93	≤30	PASS
		total	5795	-5.36	≤30	PASS
802.11ax HE80 MIMO	U-NII-3	Ant1	5775	-12.84	≤30	PASS
		Ant2	5775	-12.09	≤30	PASS
		total	5775	-9.44	≤30	PASS

U-NII-3:

Note1: This EUT supports MIMO 2X2, any transmit signals are correlated with each other, According KDB 662911 the Directional gain =1.89+10log (2)dBi, that is Directional gain (dBi)=4.90

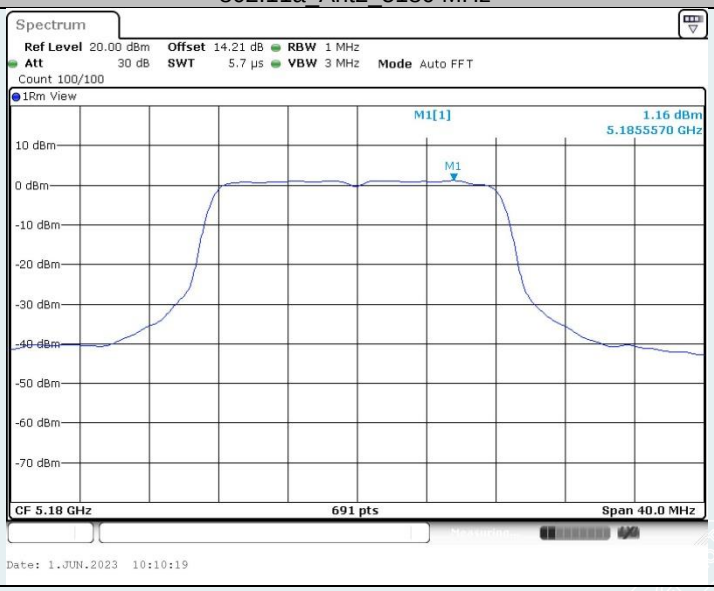
Note2: Antenna gain is no greater than 6, Power Spectral Density Limit =30dBm/500kHz

---------- **The following blanks** ----------

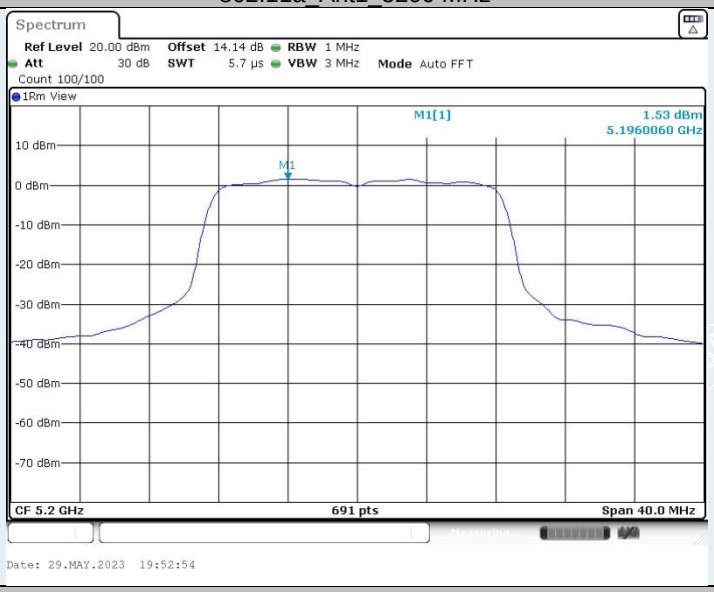
Test Graphs

802.11a_Ant1_5180 MHz

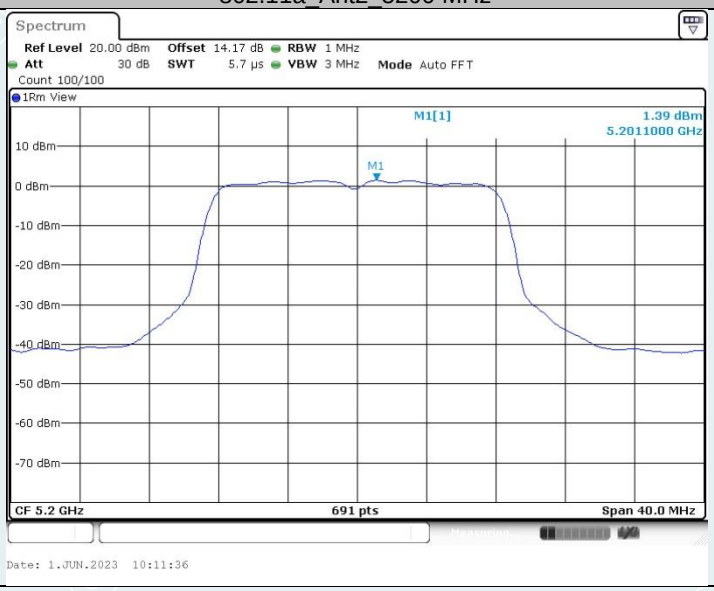
802.11a_Ant2_5180 MHz



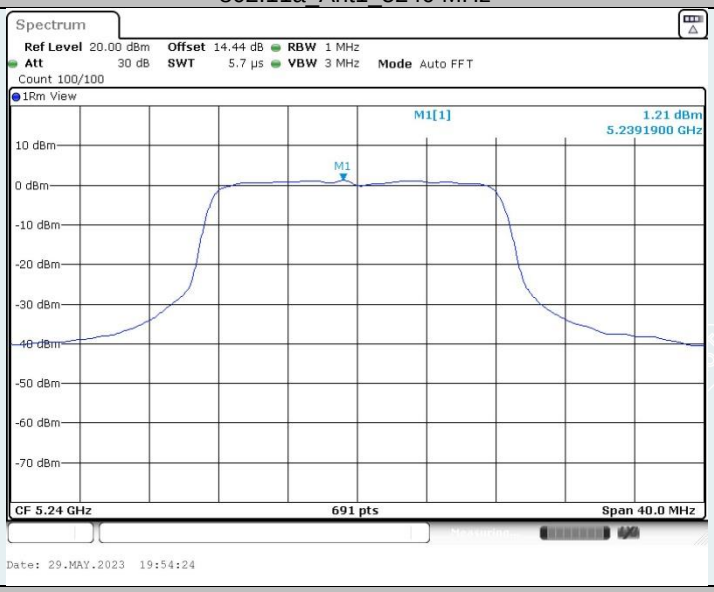
802.11a_Ant1_5200 MHz



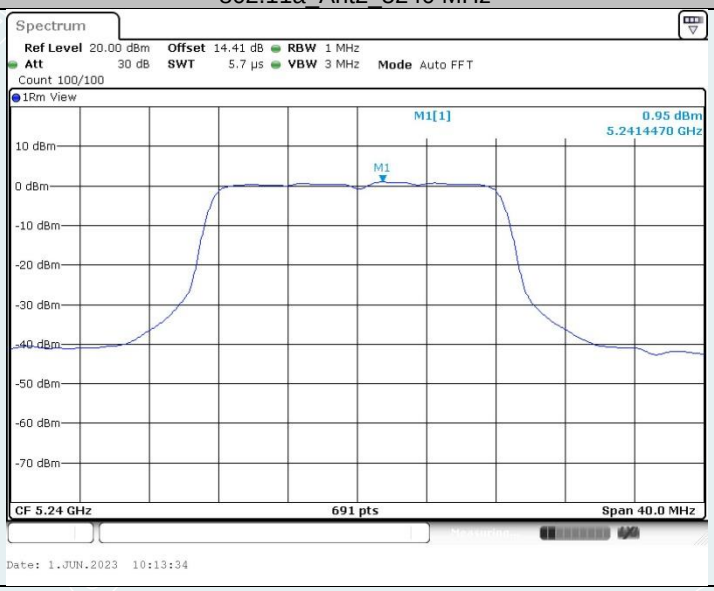
802.11a_Ant2_5200 MHz



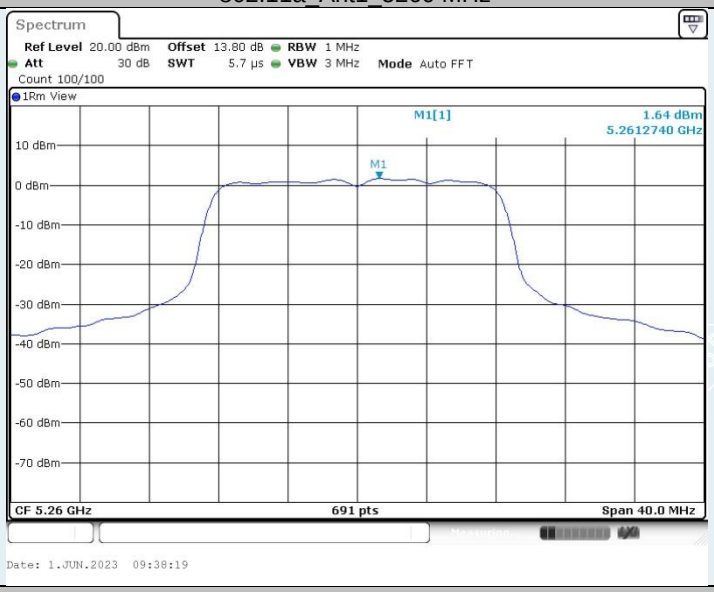
802.11a_Ant1_5240 MHz



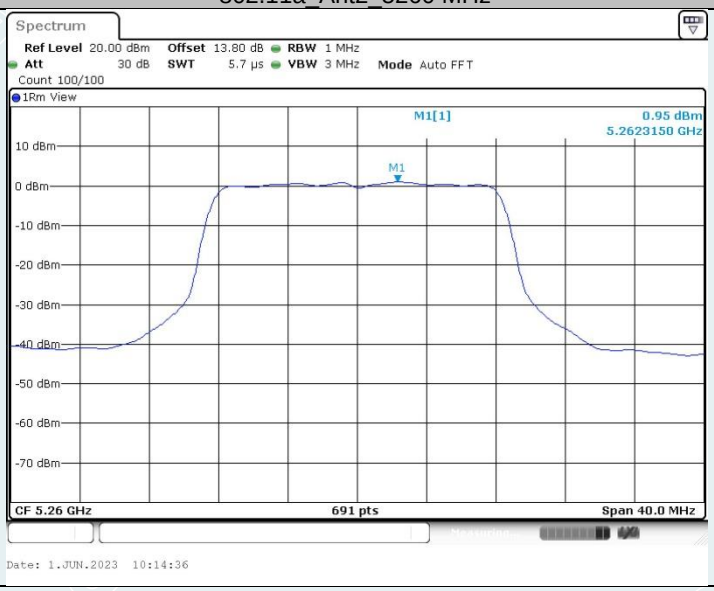
802.11a_Ant2_5240 MHz



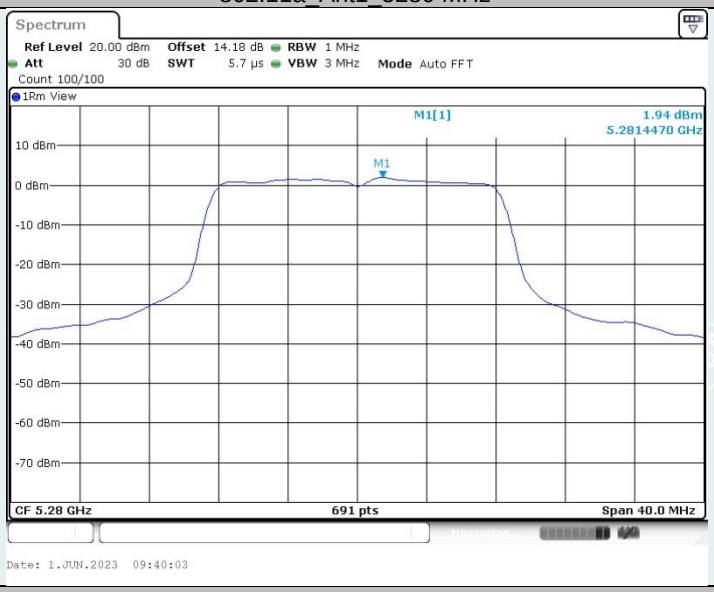
802.11a_Ant1_5260 MHz



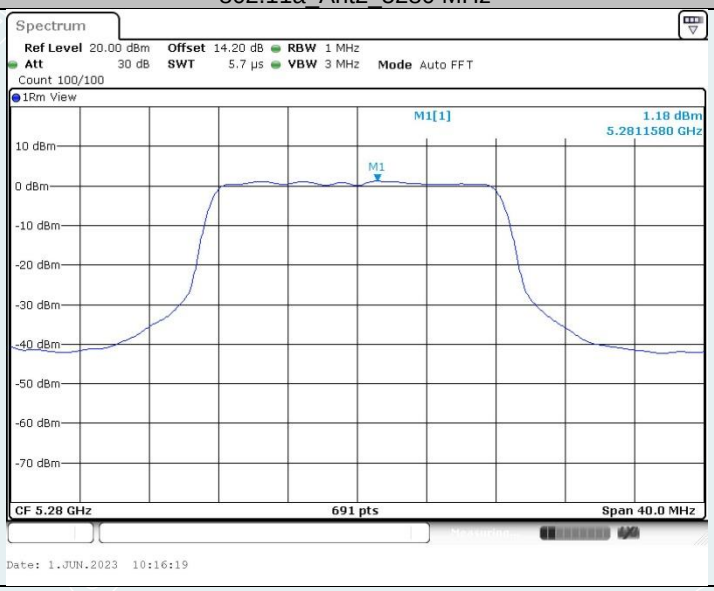
802.11a_Ant2_5260 MHz



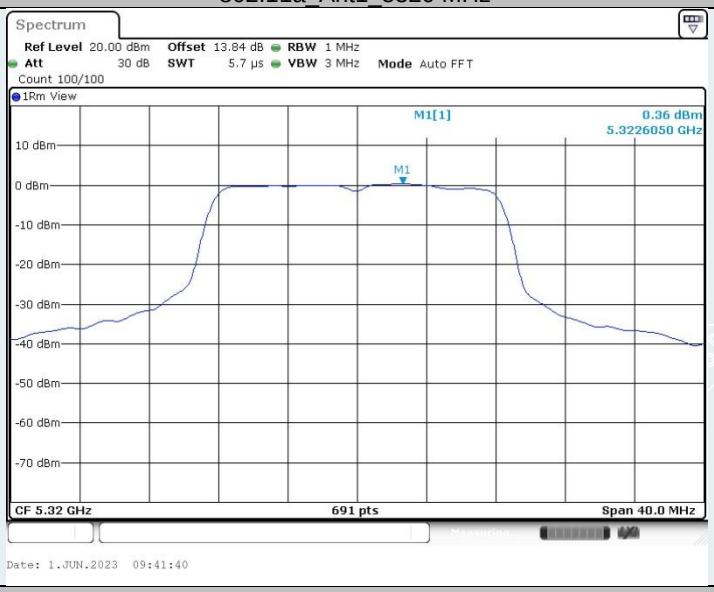
802.11a_Ant1_5280 MHz



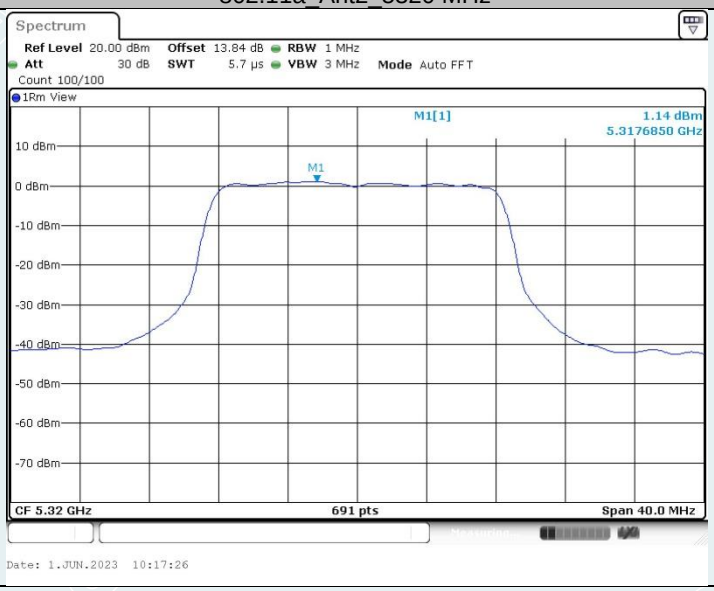
802.11a_Ant2_5280 MHz



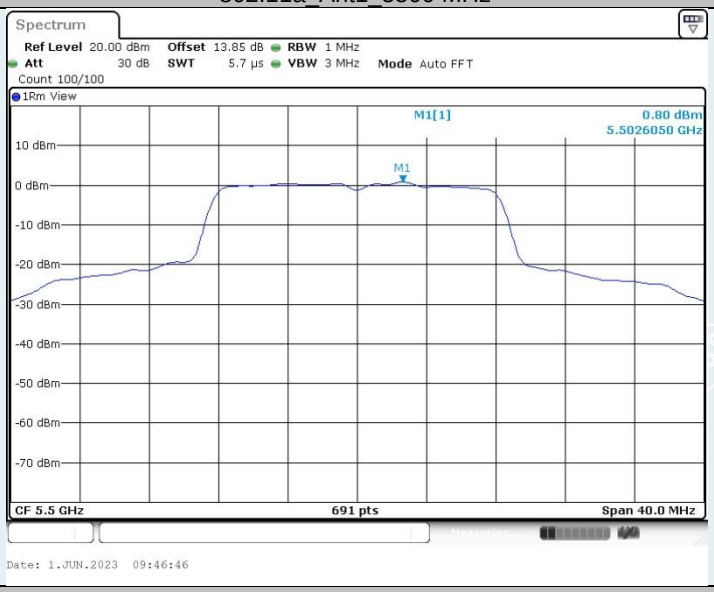
802.11a_Ant1_5320 MHz



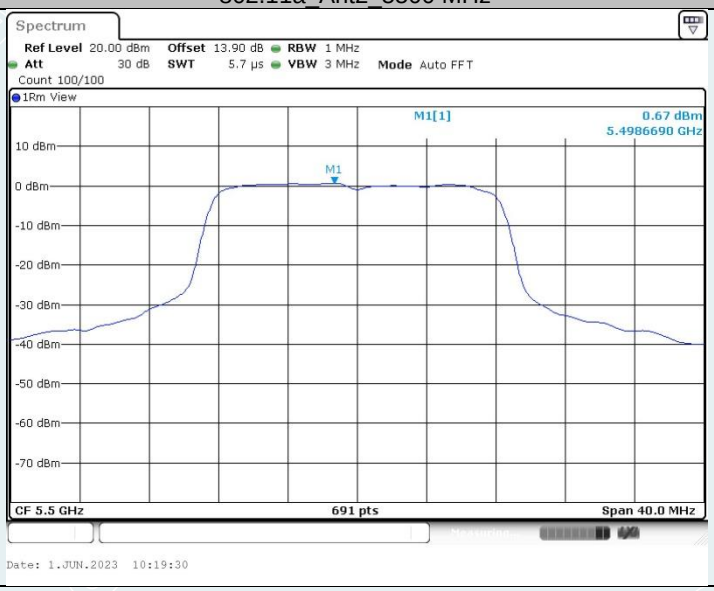
802.11a_Ant2_5320 MHz



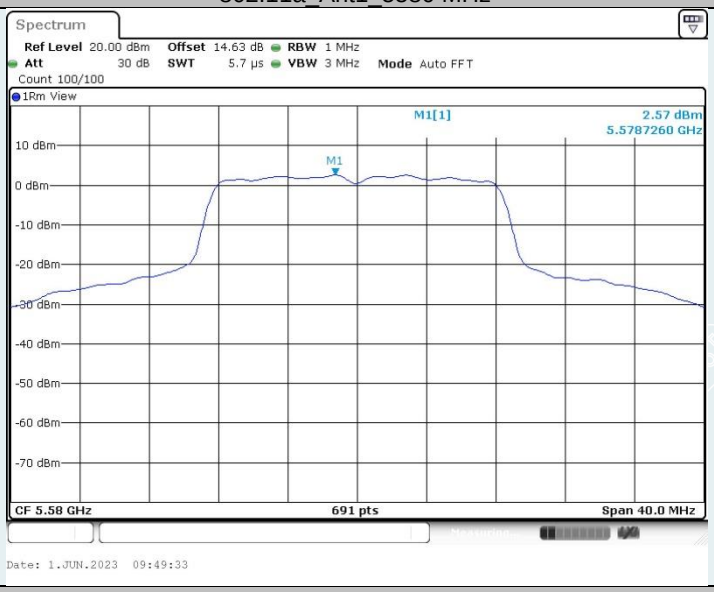
802.11a_Ant1_5500 MHz



802.11a_Ant2_5500 MHz



802.11a_Ant1_5580 MHz



802.11a_Ant2_5580 MHz