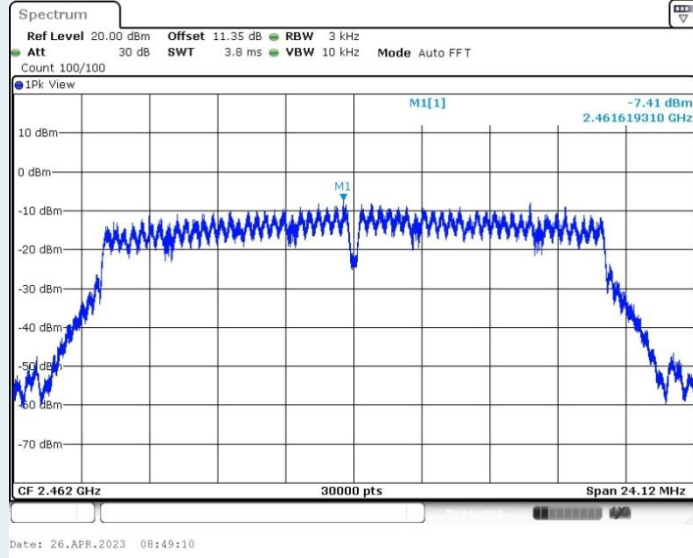
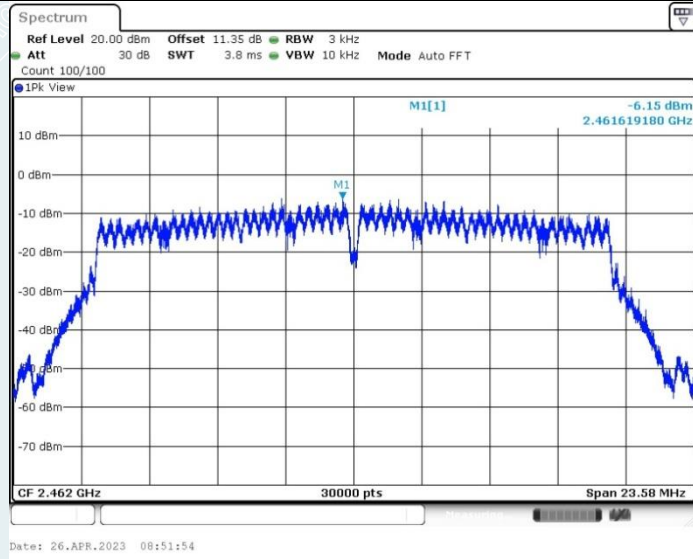


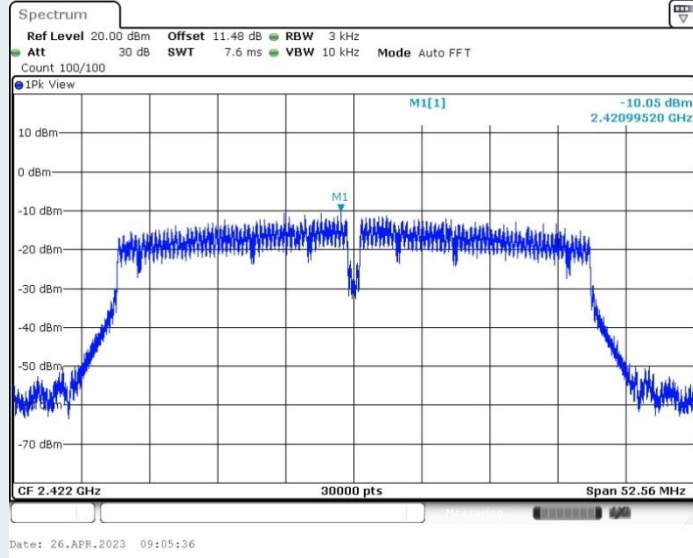
802.11n HT20 MIMO_Ant1_2462 MHz



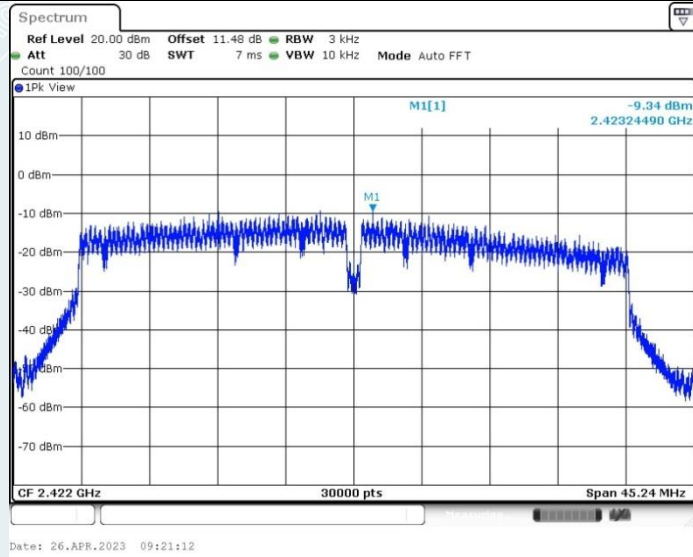
802.11n HT20 MIMO_Ant2_2462 MHz



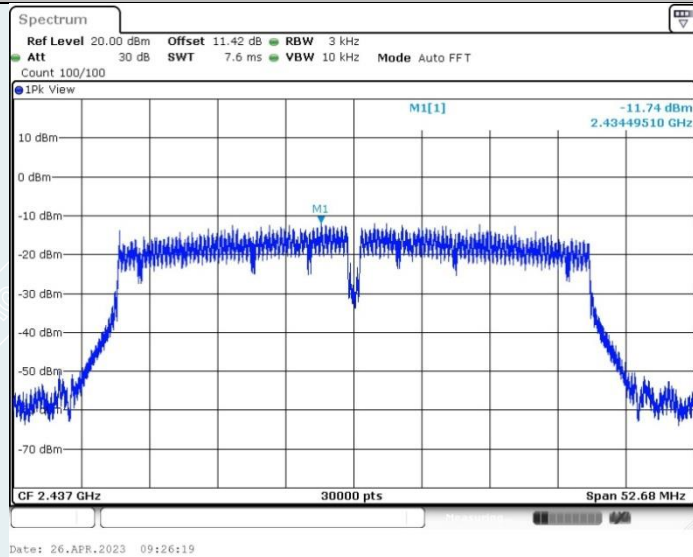
802.11n HT40 MIMO_Ant1_2422 MHz

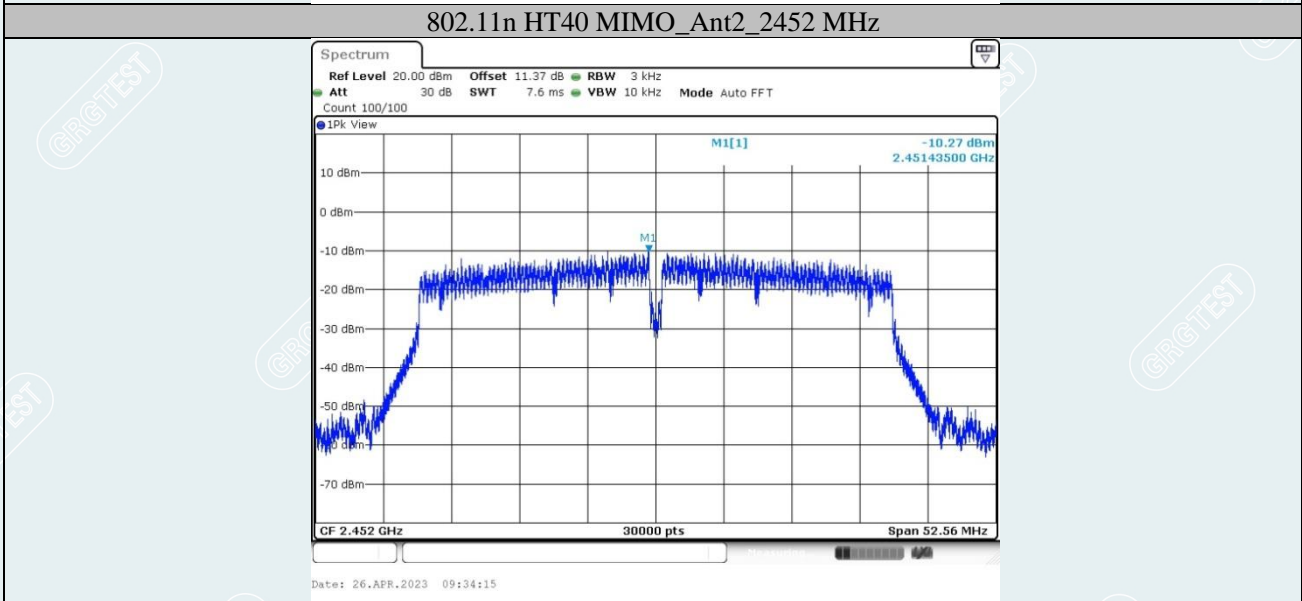
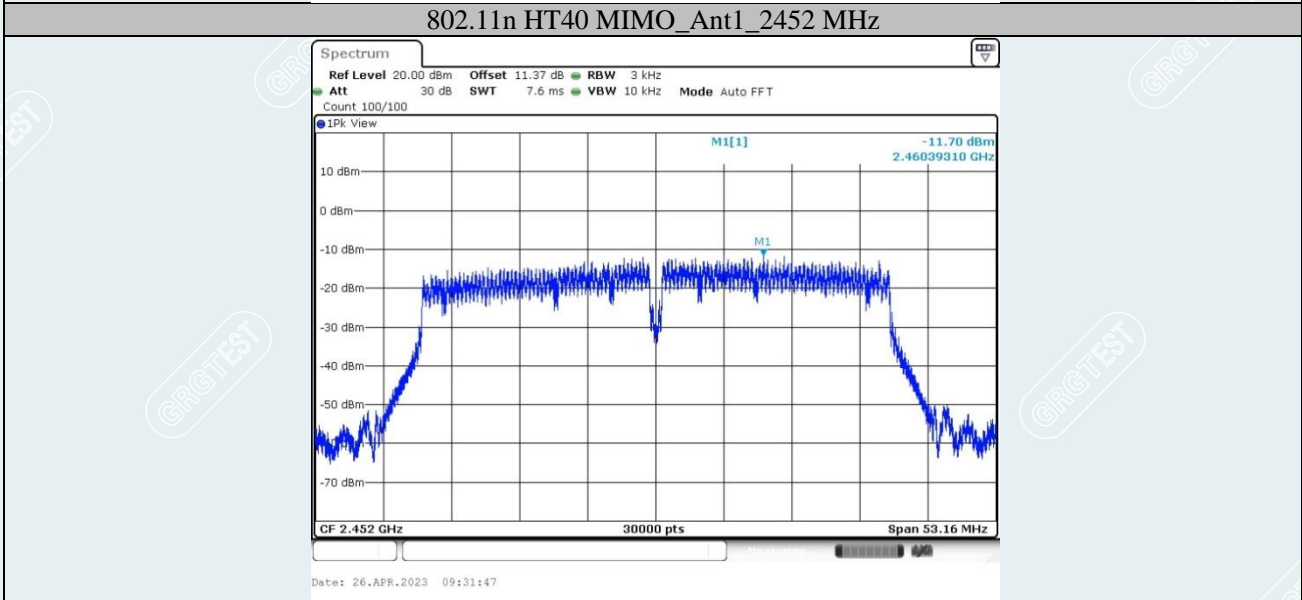
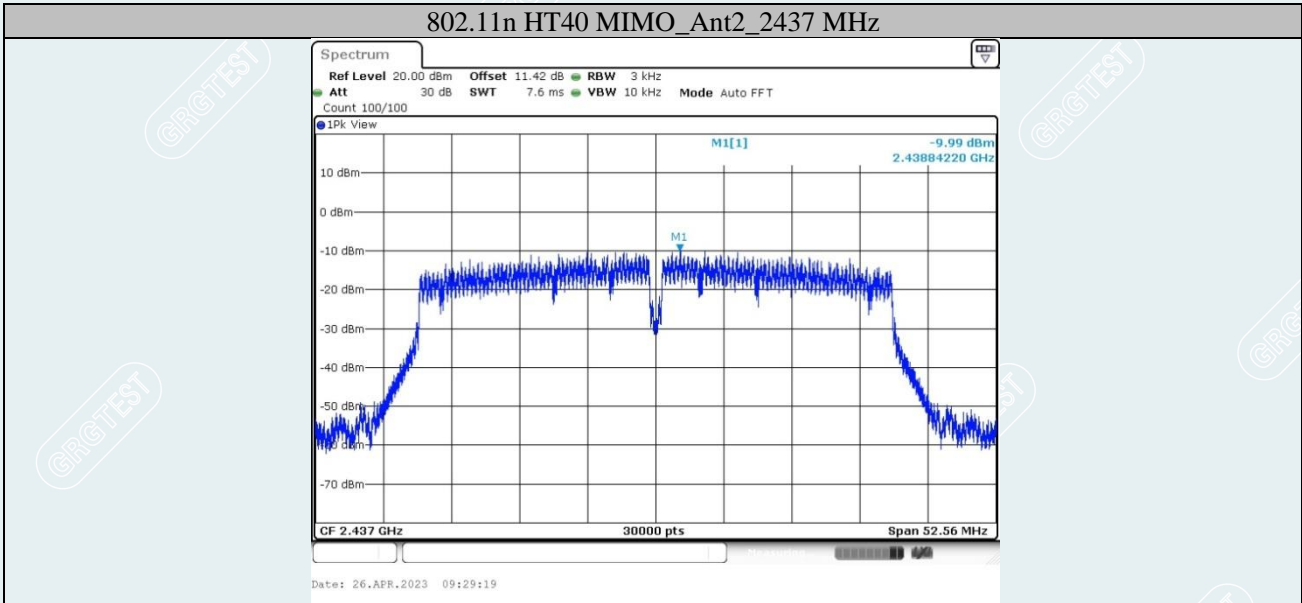


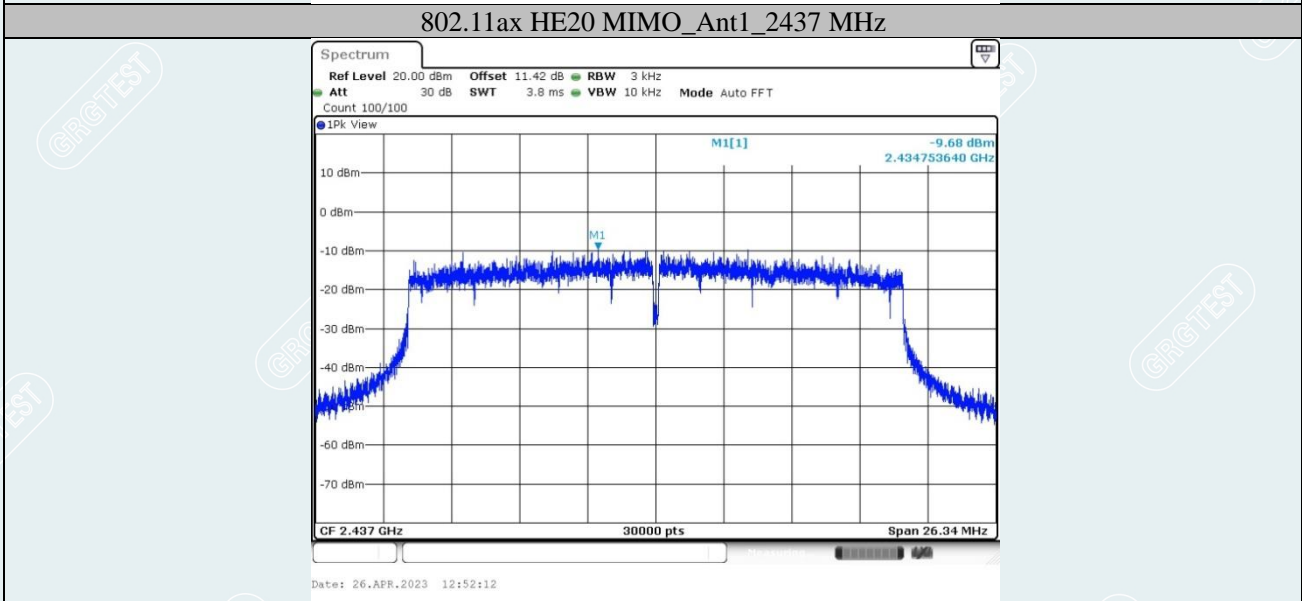
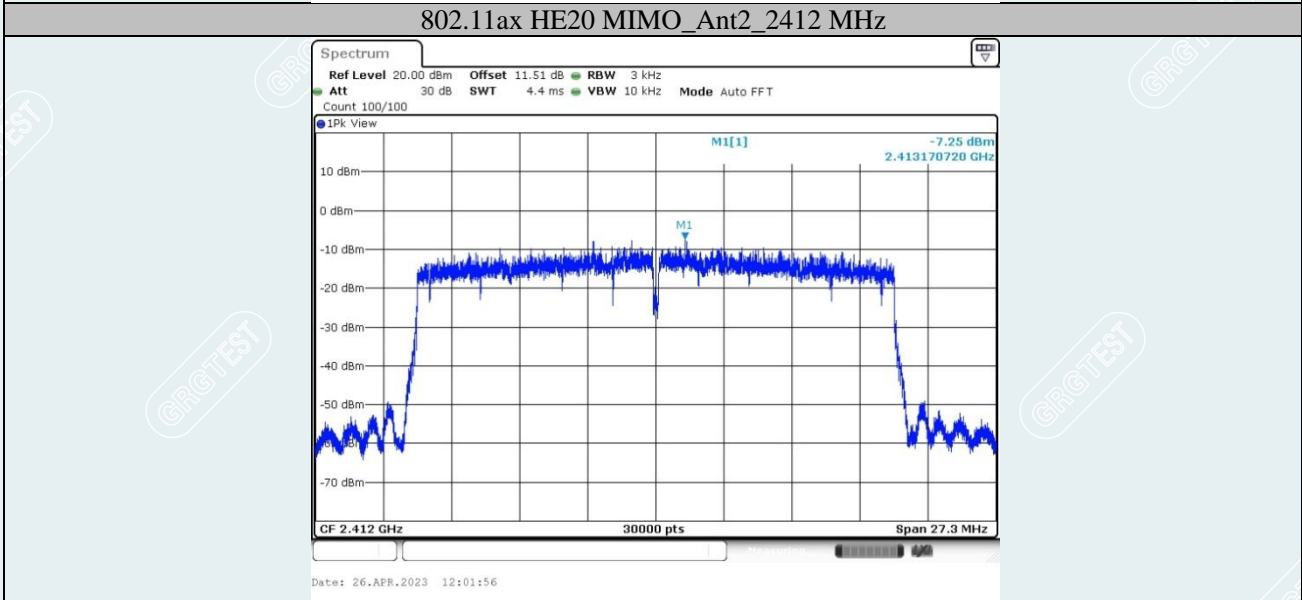
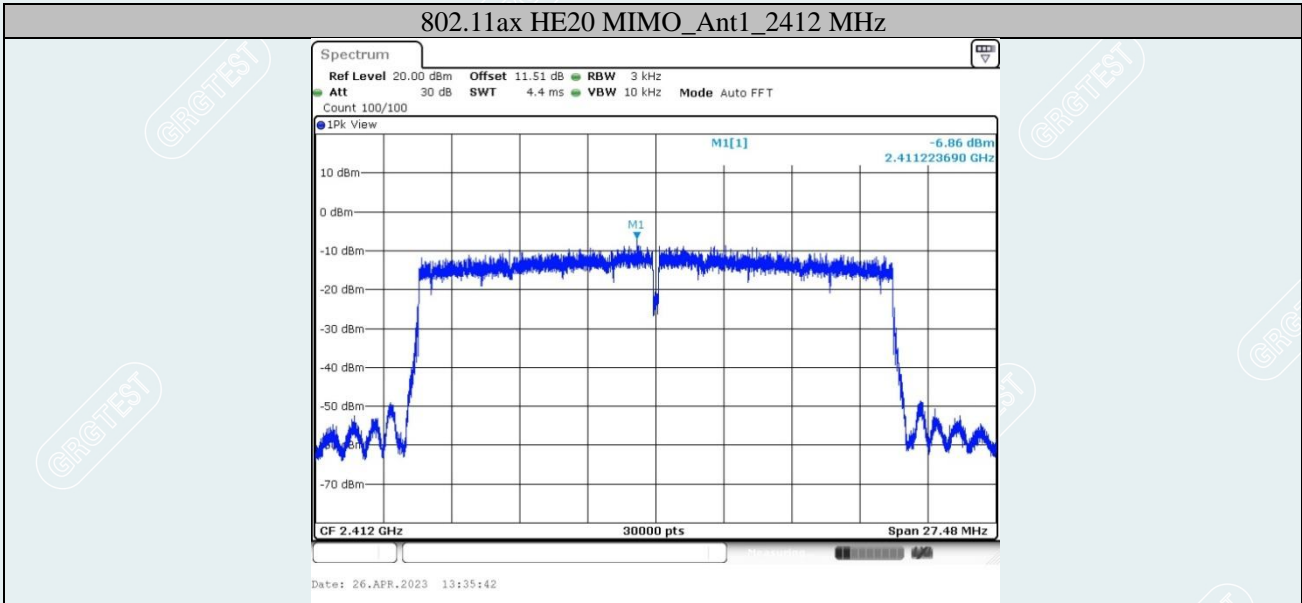
802.11n HT40 MIMO_Ant2_2422 MHz

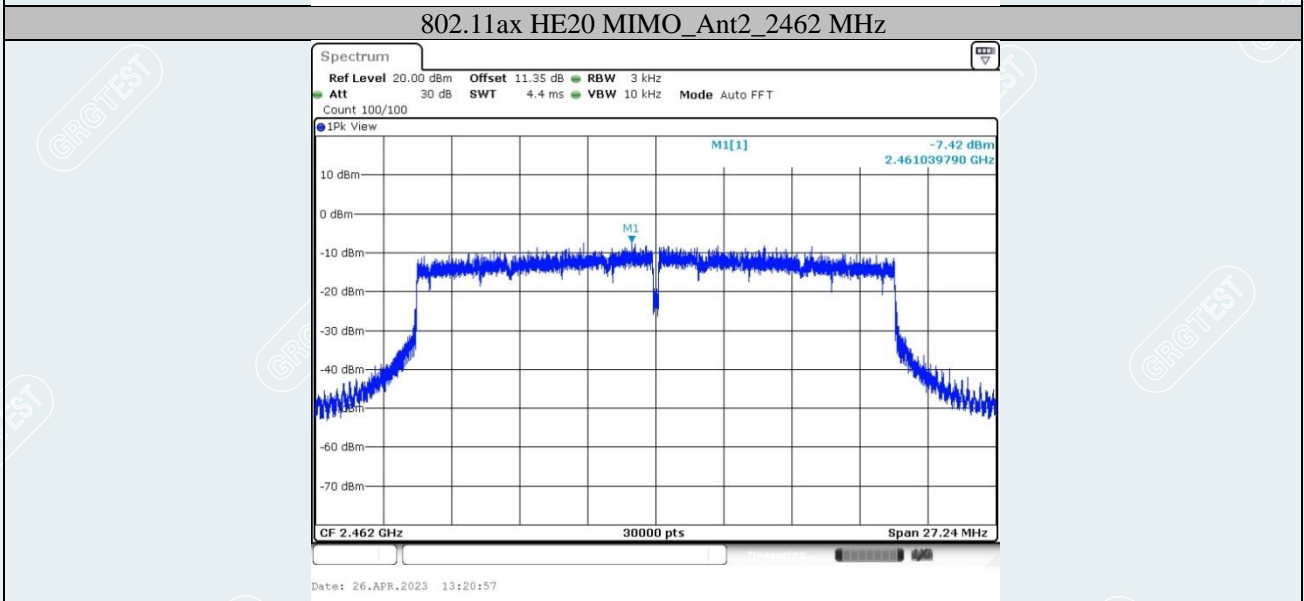
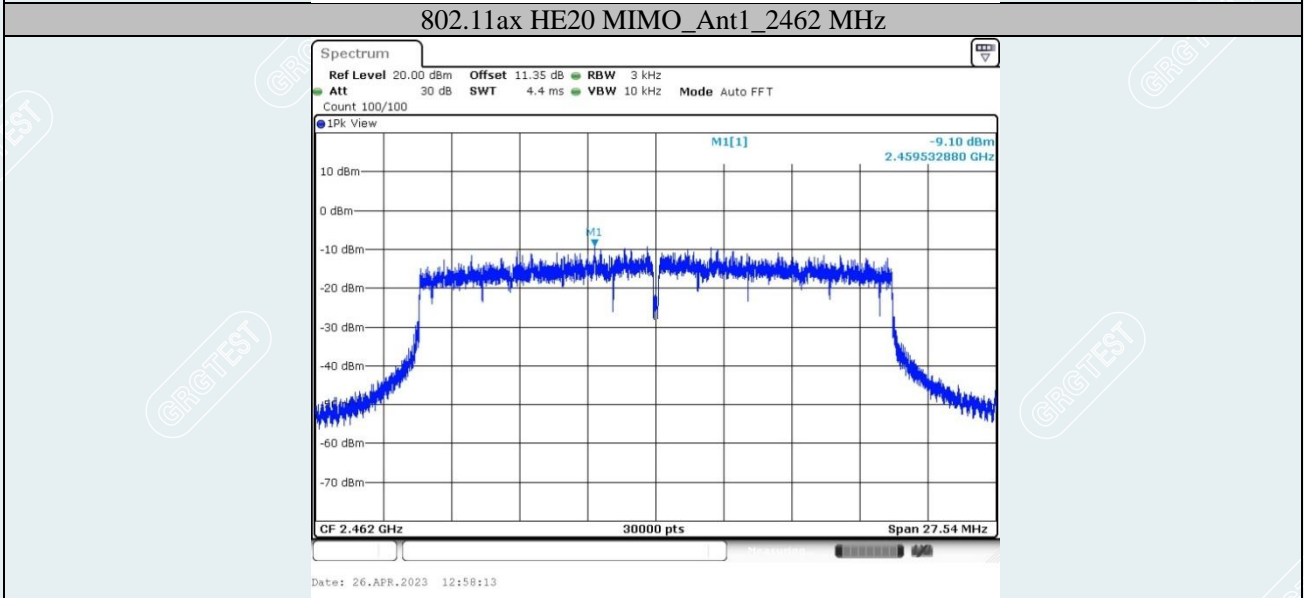
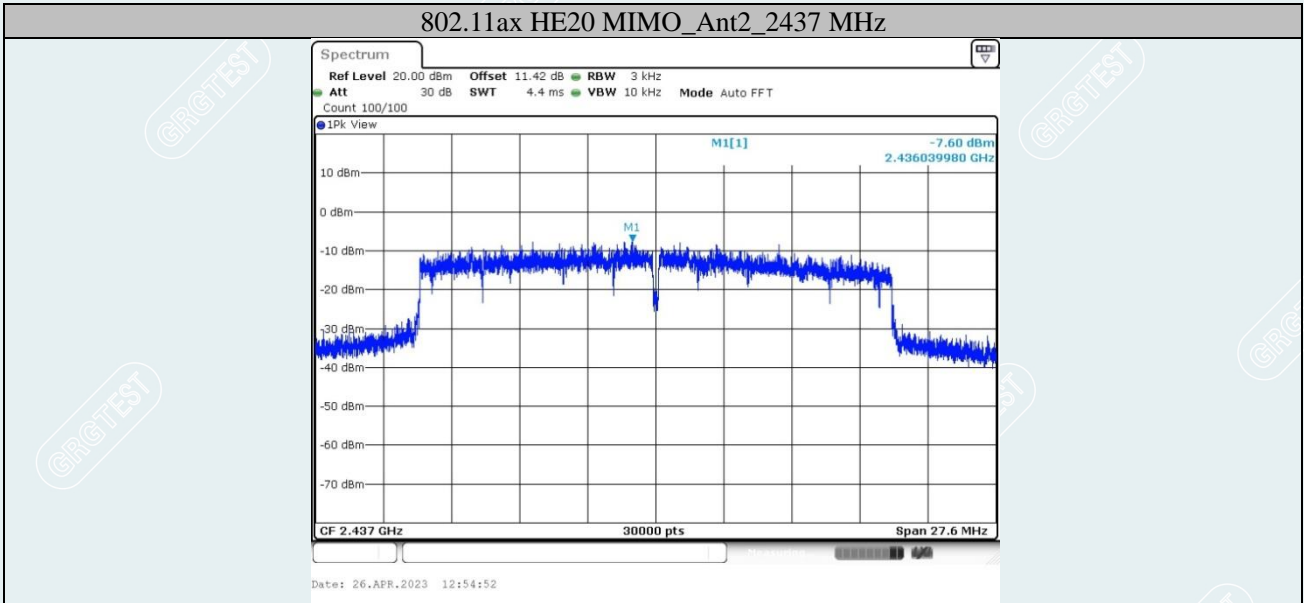


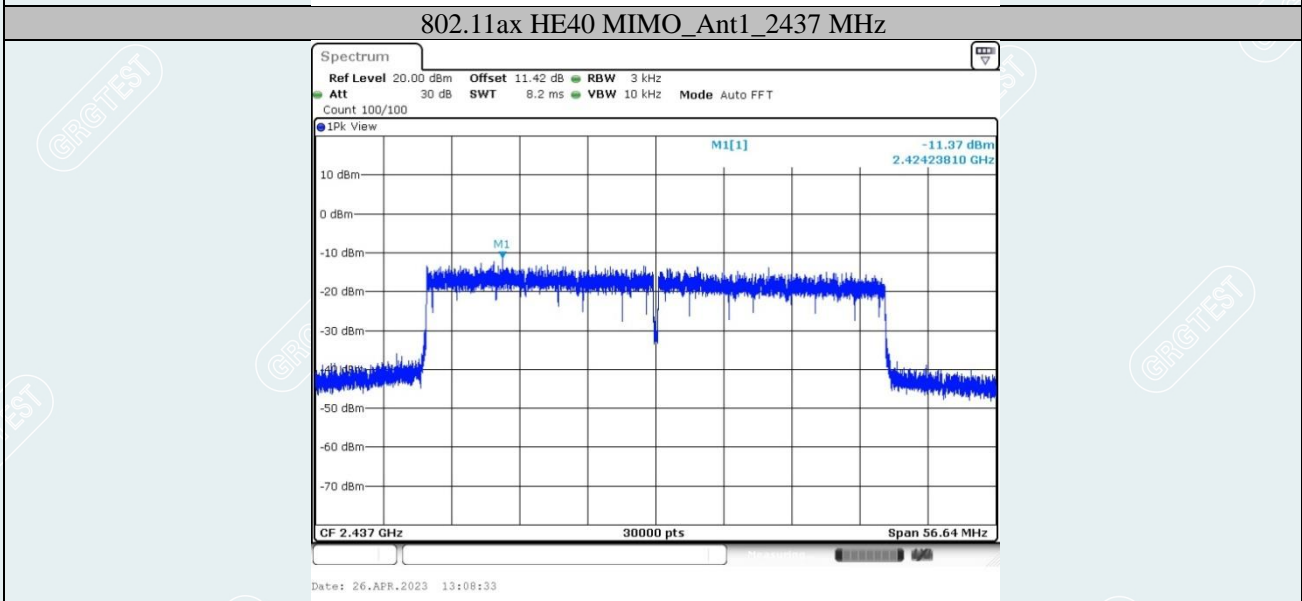
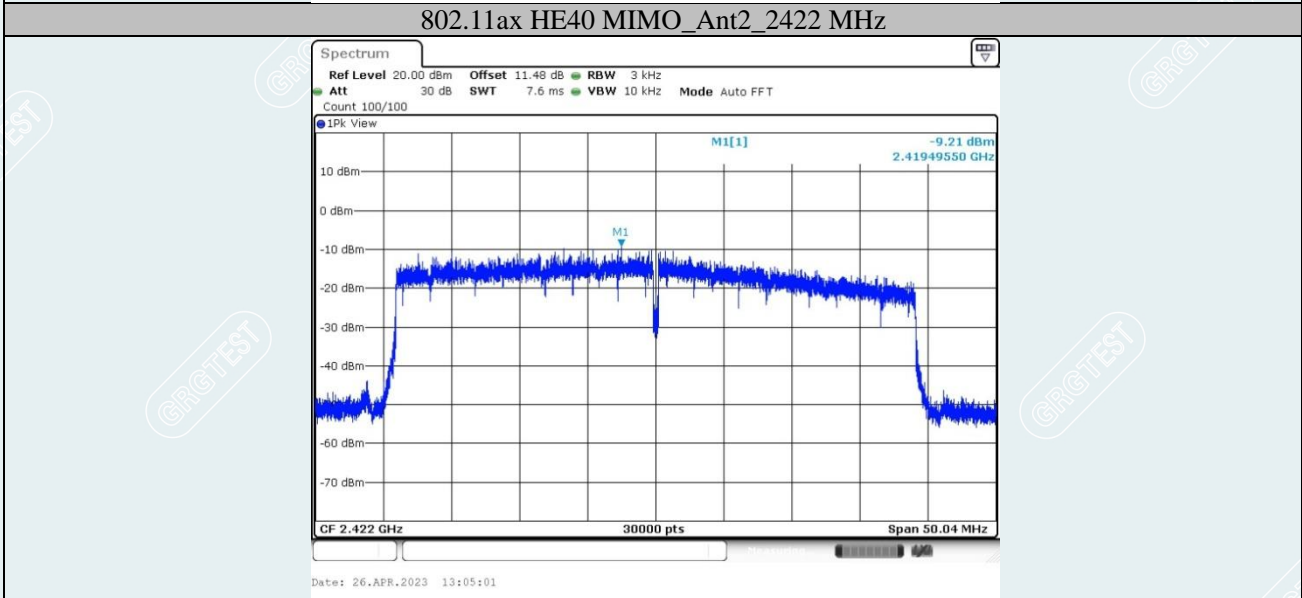
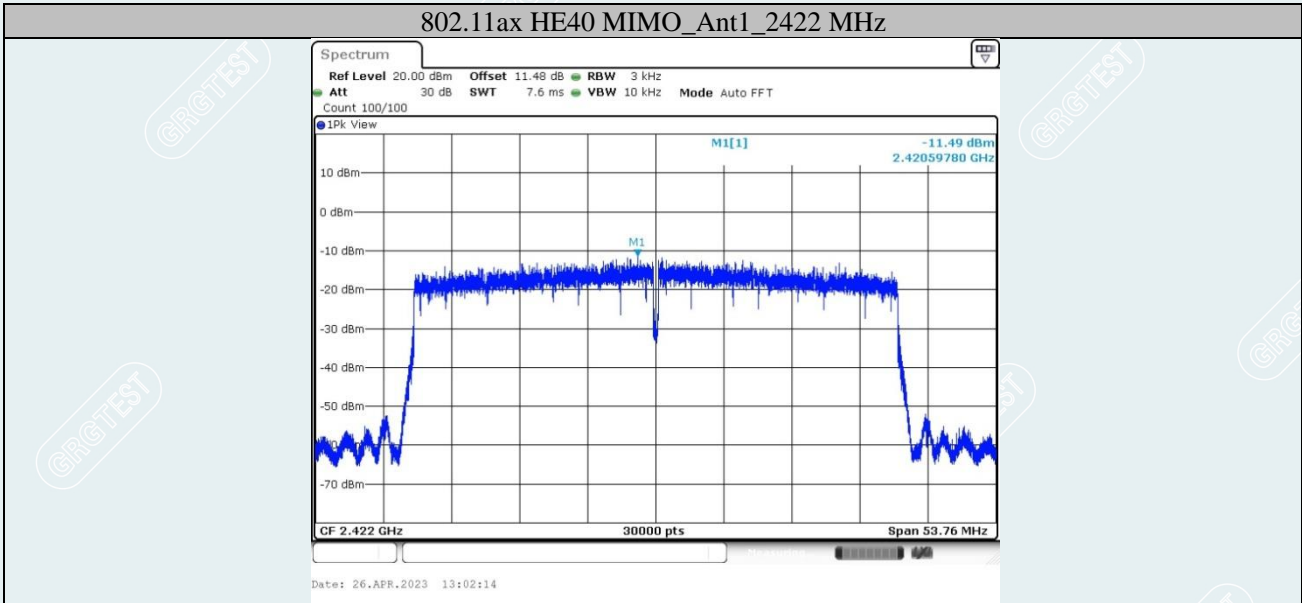
802.11n HT40 MIMO_Ant1_2437 MHz

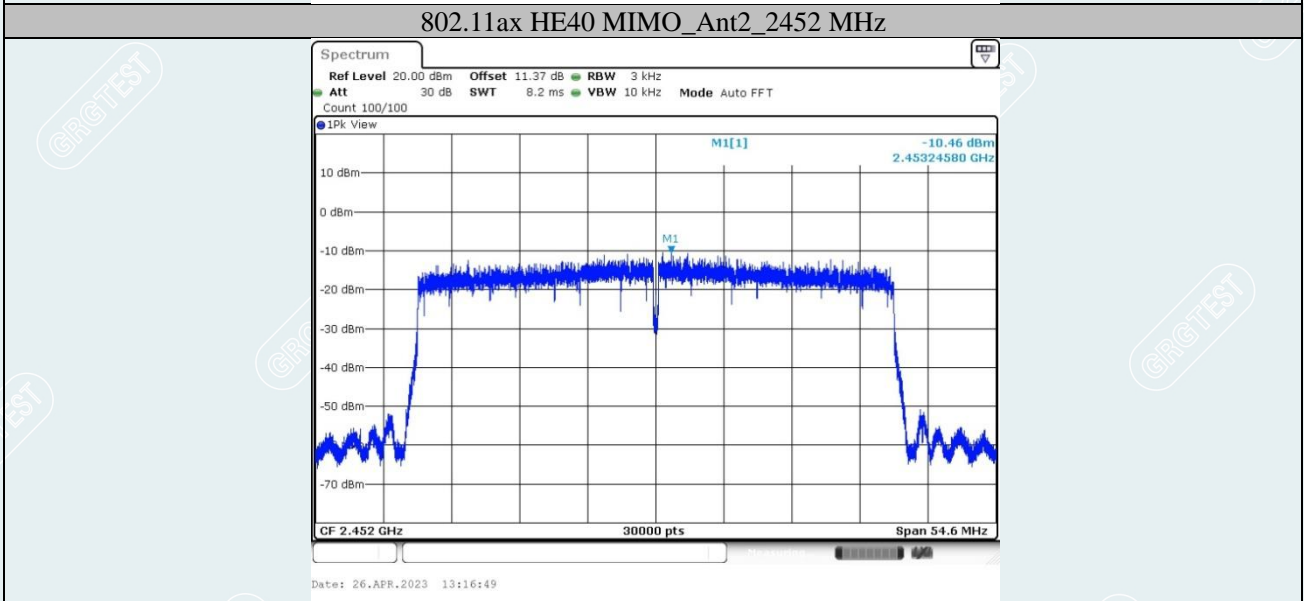
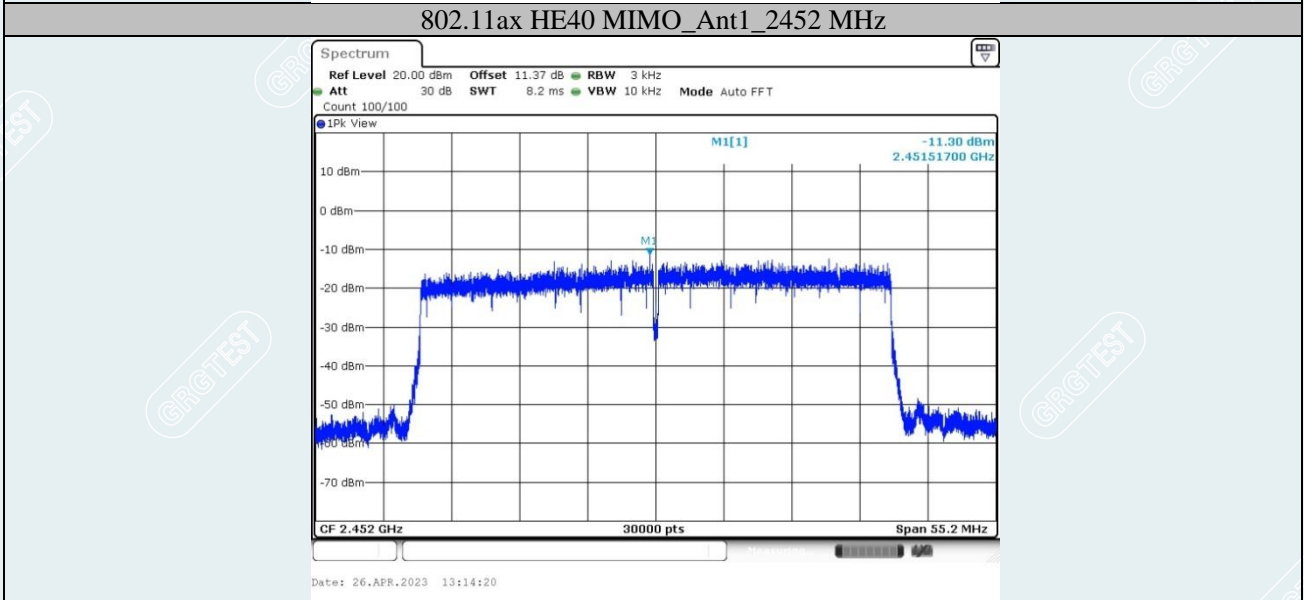
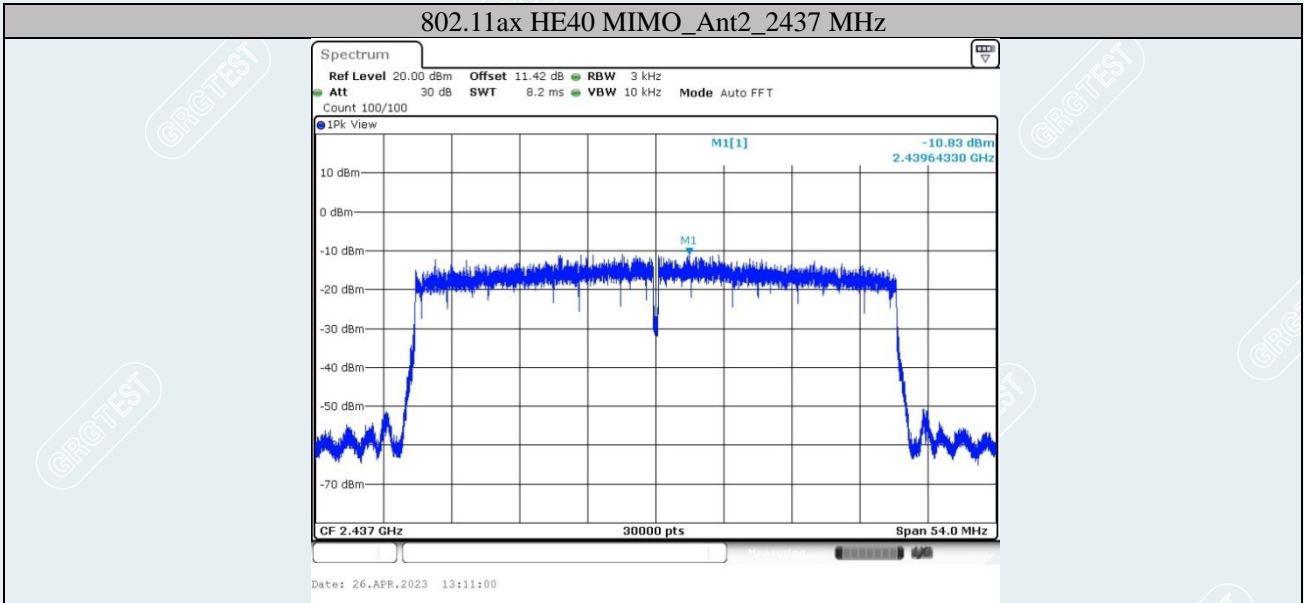












10. CONDUCTED BAND EDGES AND SPURIOUS EMISSIONS

10.1. LIMITS

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

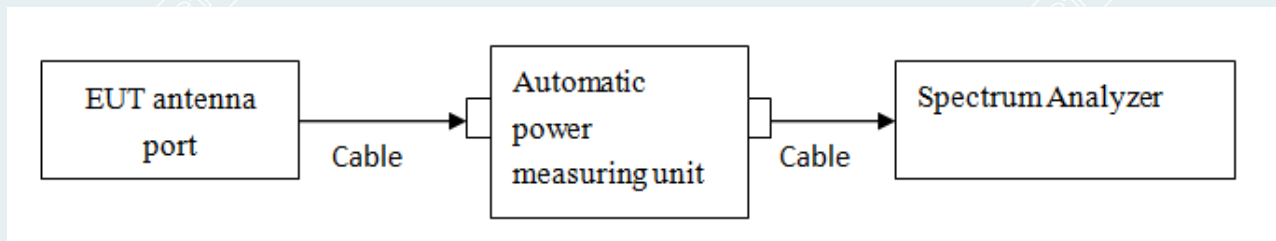
10.2. TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Measurement Guidance.

Remove the antenna from the EUT and then connect a low attenuation cable from the antenna port to the spectrum.

- 1) Remove the antenna from the EUT and then connect a low attenuation cable from the antenna port to the spectrum.
- 2) Set the spectrum analyzer: RBW =100kHz; VBW =300kHz, Frequency range = 30MHz to 26.5GHz; Sweep = auto; Detector Function = Peak; Trace = Max hold.
- 3) Measure and record the results in the test report.
- 4) The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

10.3. TEST SETUP



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

10.4. TEST RESULTS

Environment: 22.6°C/63%RH
 Tested By: Yang Zhaoyun

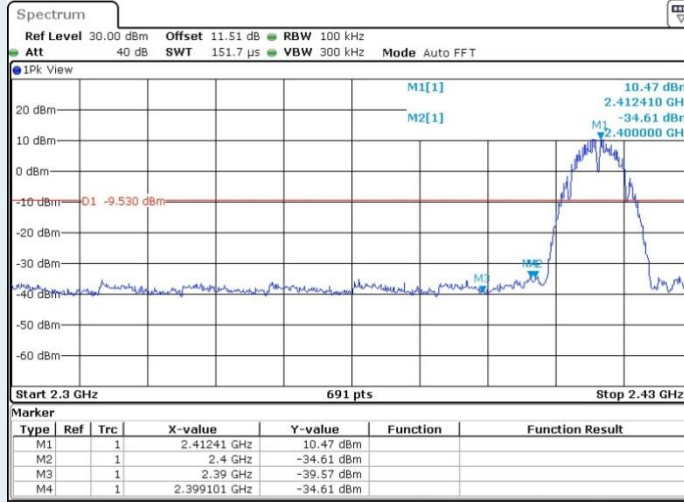
Voltage: AC 120V/60Hz
 Date: 2023-04-24~2023-04-26

Band edge

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
802.11b	Ant1	Low	2412	10.47	-34.61	≤ -9.53	PASS
	Ant2	Low	2412	12.23	-33.07	≤ -7.77	PASS
	Ant1	High	2462	10.97	-35.26	≤ -9.03	PASS
	Ant2	High	2462	11.89	-35.17	≤ -8.11	PASS
802.11g	Ant1	Low	2412	5.00	-33.32	≤ -15	PASS
	Ant2	Low	2412	7.64	-32.17	≤ -12.36	PASS
	Ant1	High	2462	5.14	-35.49	≤ -14.86	PASS
	Ant2	High	2462	8.07	-35.47	≤ -11.93	PASS
802.11n HT20 MIMO	Ant1	Low	2412	6.49	-32.12	≤ -13.51	PASS
	Ant2	Low	2412	6.87	-28.57	≤ -13.13	PASS
	Ant1	High	2462	5.19	-34.73	≤ -14.81	PASS
	Ant2	High	2462	6.94	-35.22	≤ -13.06	PASS
802.11n HT40 MIMO	Ant1	Low	2422	3.49	-34.07	≤ -16.51	PASS
	Ant2	Low	2422	4.78	-32.3	≤ -15.22	PASS
	Ant1	High	2452	2.71	-34.88	≤ -17.29	PASS
	Ant2	High	2452	4.44	-34.68	≤ -15.56	PASS
802.11ax HE20 MIMO	Ant1	Low	2412	6.00	-33.72	≤ -14	PASS
	Ant2	Low	2412	6.46	-34.7	≤ -13.54	PASS
	Ant1	High	2462	5.29	-34.99	≤ -14.71	PASS
	Ant2	High	2462	6.76	-35.13	≤ -13.24	PASS
802.11ax HE40 MIMO	Ant1	Low	2422	3.18	-35.91	≤ -16.82	PASS
	Ant2	Low	2422	4.64	-27.96	≤ -15.36	PASS
	Ant1	High	2452	2.33	-33.35	≤ -17.67	PASS
	Ant2	High	2452	4.08	-36.02	≤ -15.92	PASS

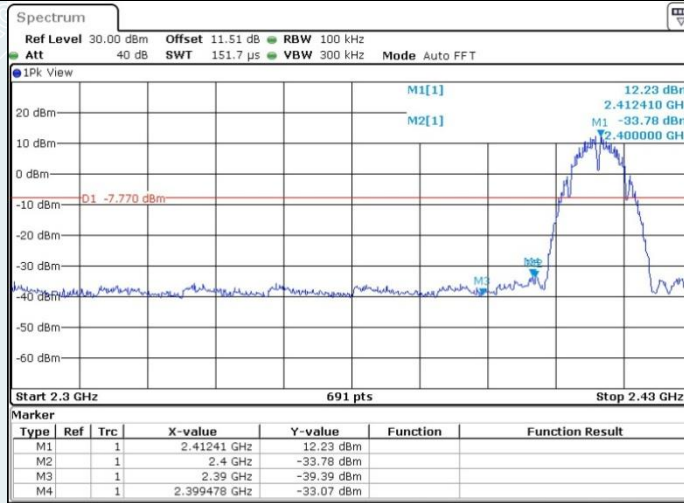
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802.11b_Ant1_Low_2412 MHz



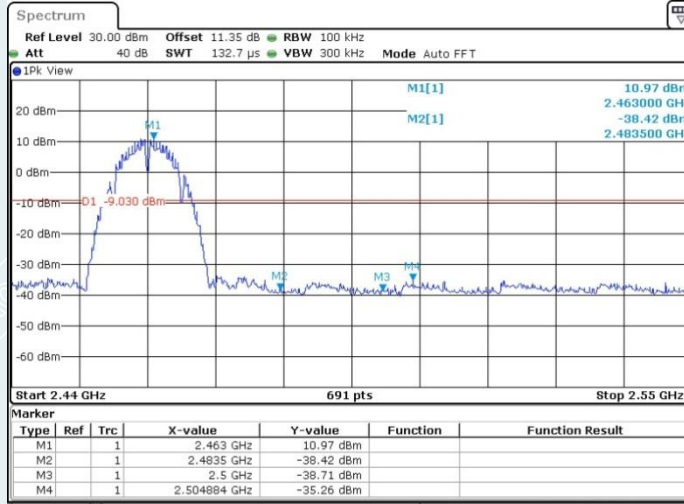
Date: 24.APR.2023 15:52:20

802.11b_Ant2_Low_2412 MHz



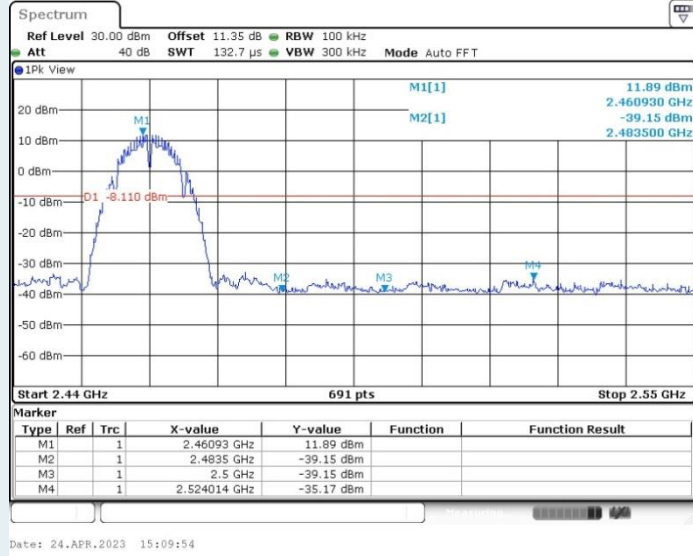
Date: 24.APR.2023 15:01:57

802.11b_Ant1_High_2462 MHz

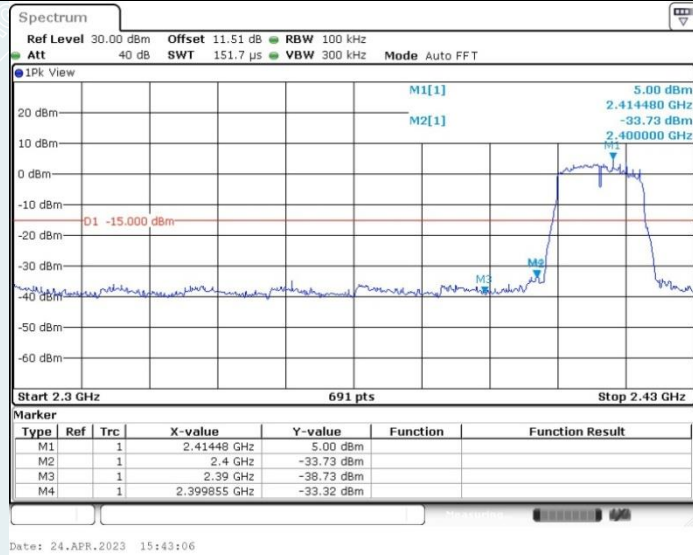


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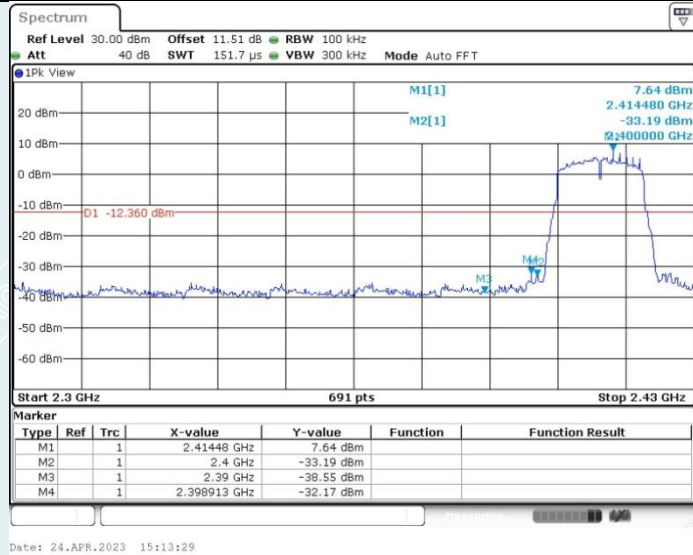
802.11b_Ant2_High_2462 MHz



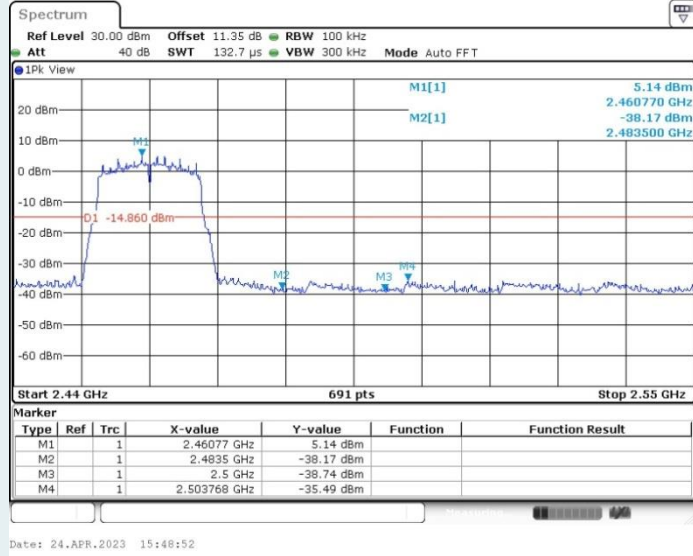
802.11g_Ant1_Low_2412 MHz



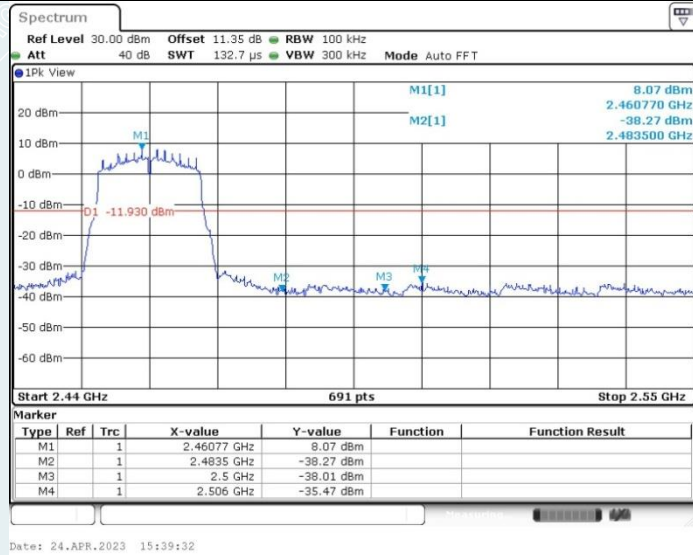
802.11g_Ant2_Low_2412 MHz



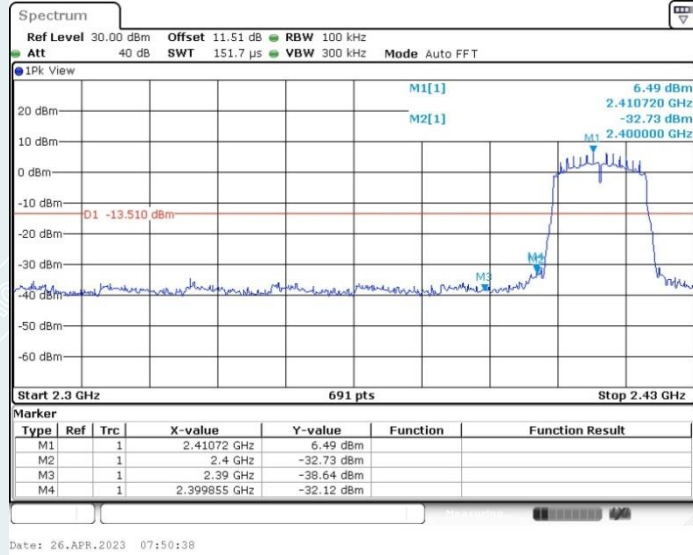
802.11g_Ant1_High_2462 MHz



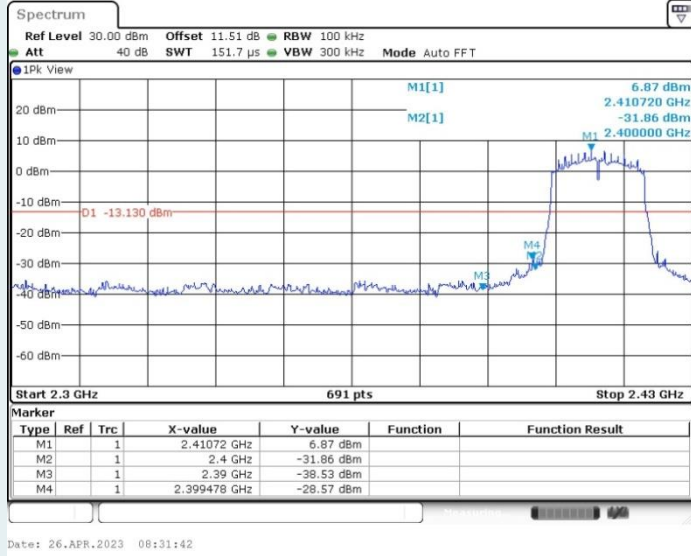
802.11g_Ant2_High_2462 MHz



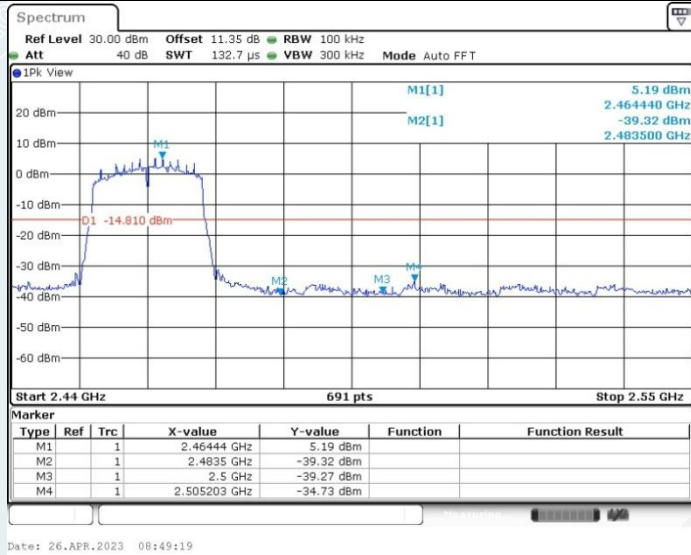
802.11n_HT20_MIMO_Ant1_Low_2412 MHz



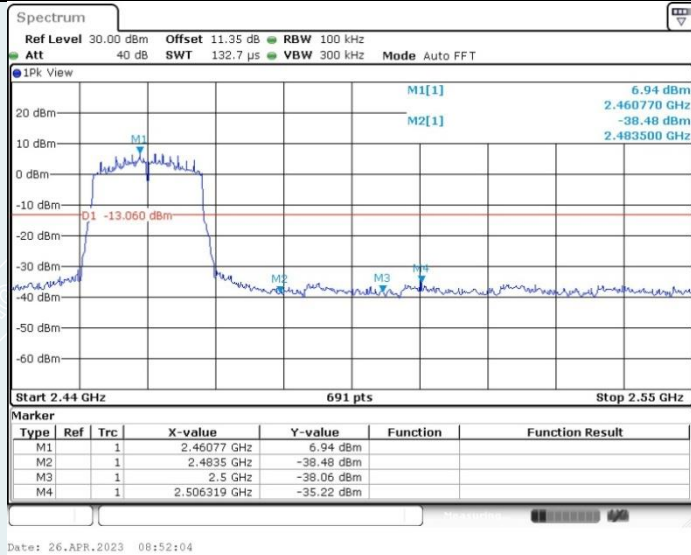
802.11n HT20 MIMO_Ant2_Low_2412 MHz



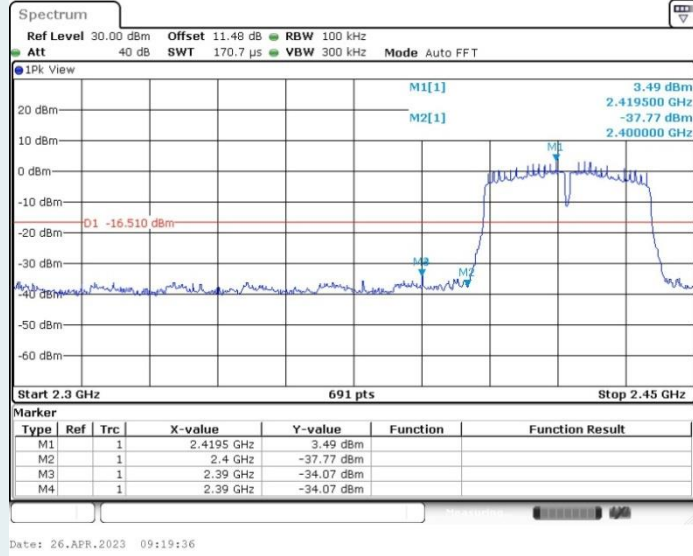
802.11n HT20 MIMO_Ant1_High_2462 MHz



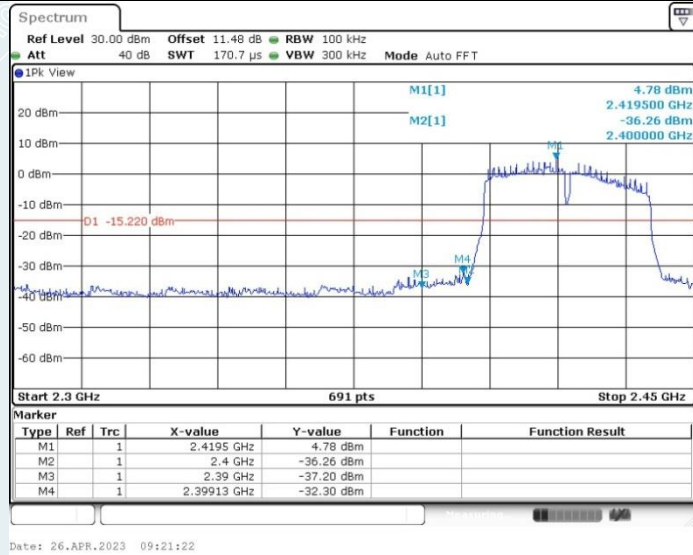
802.11n HT20 MIMO_Ant2_High_2462 MHz



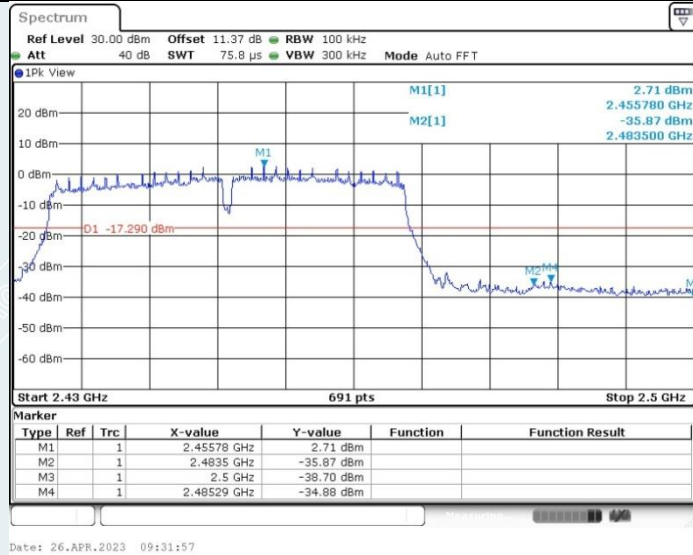
802.11n HT40 MIMO_Ant1_Low_2422 MHz



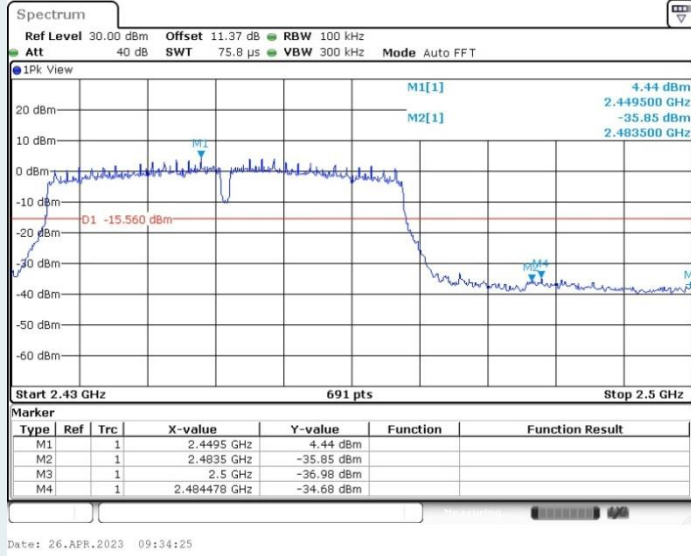
802.11n HT40 MIMO_Ant2_Low_2422 MHz



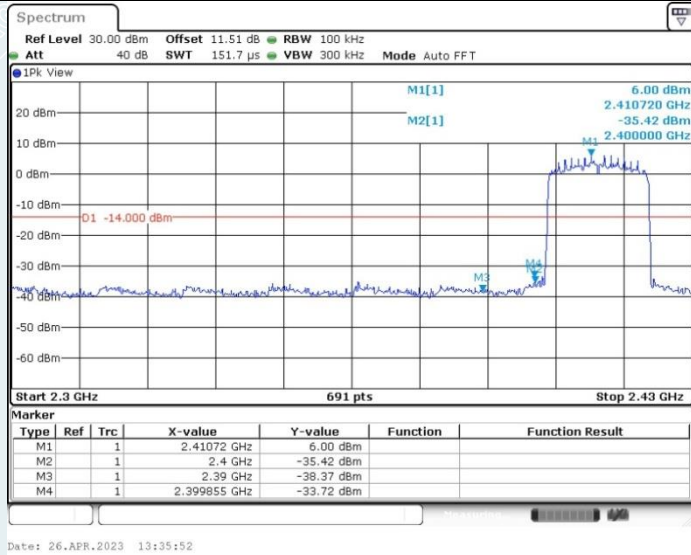
802.11n HT40 MIMO_Ant1_High_2452 MHz



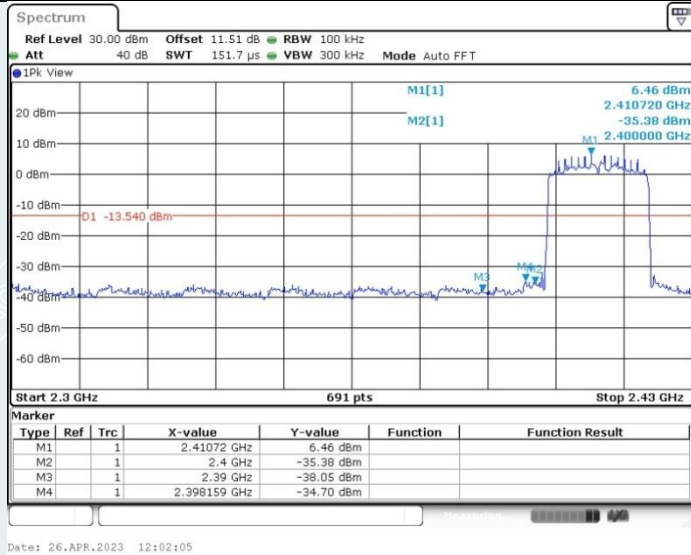
802.11n HT40 MIMO_Ant2_High_2452 MHz



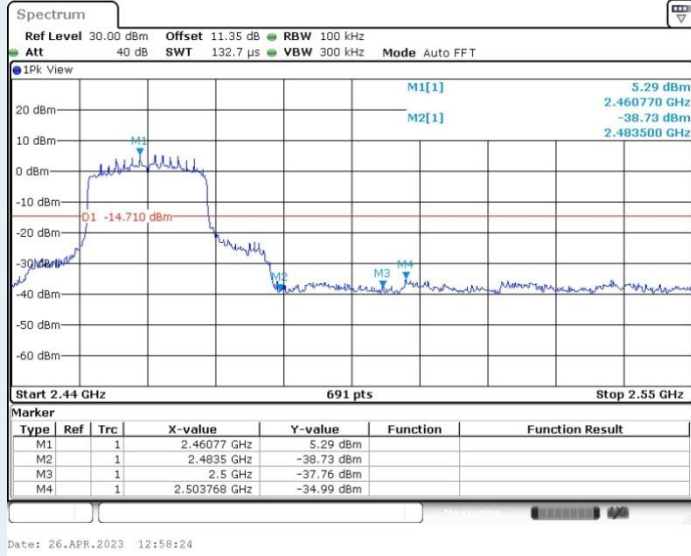
802.11ax HE20 MIMO_Ant1_Low_2412 MHz



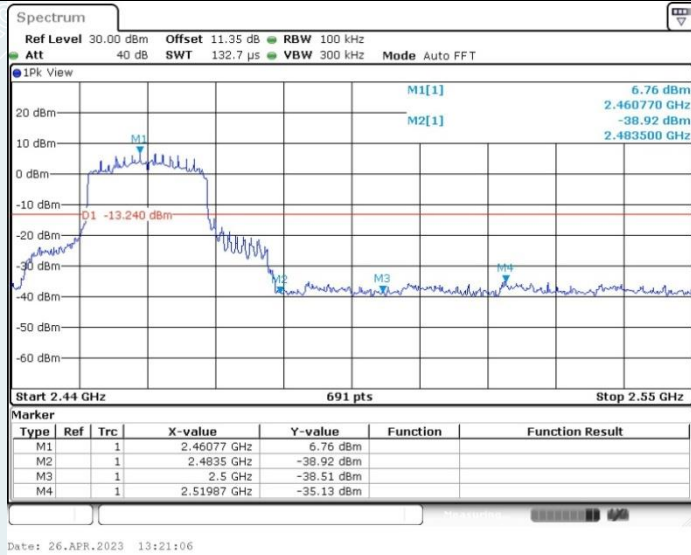
802.11ax HE20 MIMO_Ant2_Low_2412 MHz



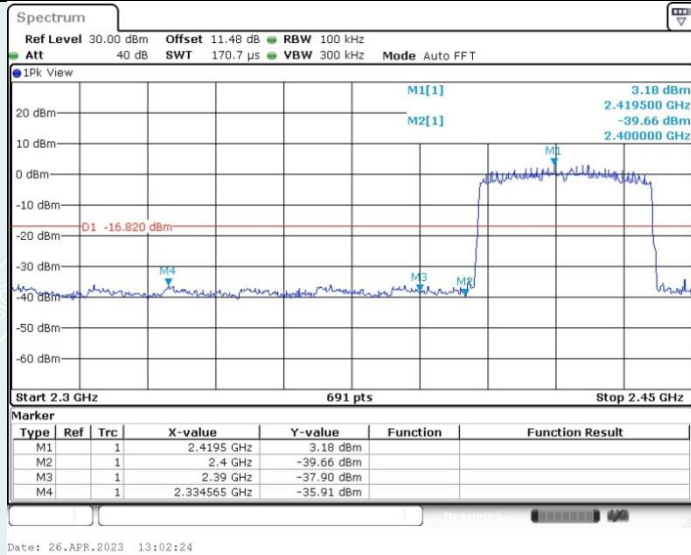
802.11ax HE20 MIMO_Ant1_High_2462 MHz



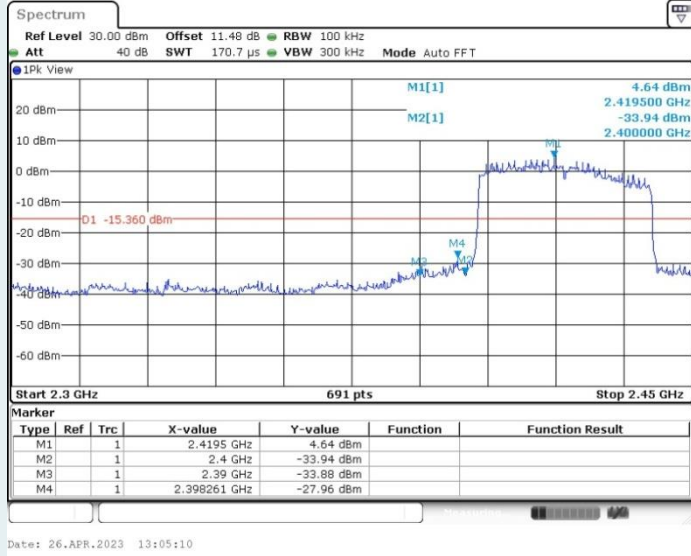
802.11ax HE20 MIMO_Ant2_High_2462 MHz



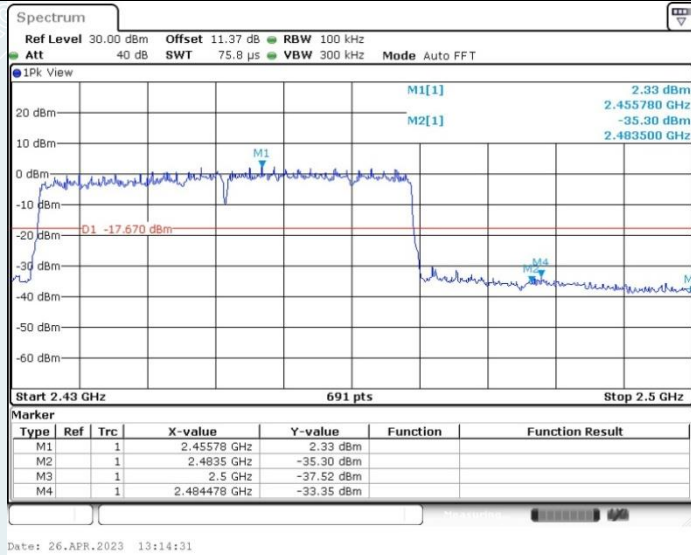
802.11ax HE40 MIMO_Ant1_Low_2422 MHz



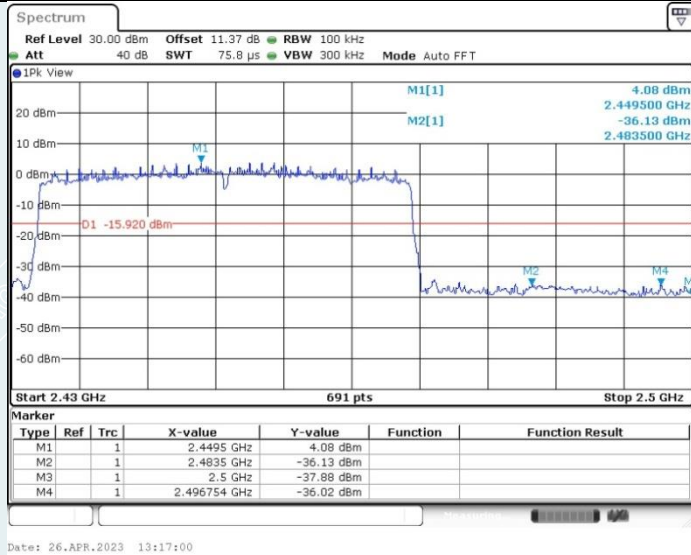
802.11ax HE40 MIMO_Ant2_Low_2422 MHz



802.11ax HE40 MIMO_Ant1_High_2452 MHz



802.11ax HE40 MIMO_Ant2_High_2452 MHz



Conducted Spurious Emission:

Test Result

Environment: 22.6°C/63%RH/101.0kPa

Tested By: Yang Zhaoyun

Voltage: AC 120V/60Hz

Date: 2023-04-24~2023-04-26

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict	
802.11b	Ant1	2412	Reference	10.35	10.35	---	PASS	
			30~1000	10.35	-55.42	≤ -9.65	PASS	
			1000~26500	10.35	-40.12	≤ -9.65	PASS	
	Ant2	2412	Reference	12.08	12.08	---	PASS	
			30~1000	12.08	-54.64	≤ -7.92	PASS	
			1000~26500	12.08	-41.88	≤ -7.92	PASS	
	Ant1	2437	Reference	9.45	9.45	---	PASS	
			30~1000	9.45	-55.65	≤ -10.55	PASS	
			1000~26500	9.45	-41.25	≤ -10.55	PASS	
	Ant2	2437	Reference	11.94	11.94	---	PASS	
			30~1000	11.94	-53.59	≤ -8.06	PASS	
			1000~26500	11.94	-42.33	≤ -8.06	PASS	
	Ant1	2462	Reference	11.09	11.09	---	PASS	
			30~1000	11.09	-55.59	≤ -8.91	PASS	
			1000~26500	11.09	-41.9	≤ -8.91	PASS	
	Ant2	2462	Reference	11.93	11.93	---	PASS	
			30~1000	11.93	-55.48	≤ -8.07	PASS	
			1000~26500	11.93	-42.1	≤ -8.07	PASS	
	802.11g	Ant1	2412	Reference	5.80	5.80	---	PASS
				30~1000	5.80	-55.2	≤ -14.2	PASS
				1000~26500	5.80	-41.98	≤ -14.2	PASS
		Ant2	2412	Reference	8.17	8.17	---	PASS
				30~1000	8.17	-54.53	≤ -11.83	PASS
				1000~26500	8.17	-41.14	≤ -11.83	PASS
Ant1		2437	Reference	5.48	5.48	---	PASS	
			30~1000	5.48	-55.07	≤ -14.52	PASS	
			1000~26500	5.48	-41.81	≤ -14.52	PASS	
Ant2		2437	Reference	8.13	8.13	---	PASS	
			30~1000	8.13	-56.08	≤ -11.87	PASS	
			1000~26500	8.13	-41.23	≤ -11.87	PASS	
Ant1		2462	Reference	5.57	5.57	---	PASS	
			30~1000	5.57	-54.37	≤ -14.43	PASS	
			1000~26500	5.57	-42.32	≤ -14.43	PASS	
Ant2		2462	Reference	8.14	8.14	---	PASS	
			30~1000	8.14	-55.48	≤ -11.86	PASS	
			1000~26500	8.14	-41.97	≤ -11.86	PASS	
802.11n HT20 MIMO		Ant1	2412	Reference	6.58	6.58	---	PASS
				30~1000	6.58	-55.37	≤ -13.42	PASS
				1000~26500	6.58	-41.24	≤ -13.42	PASS
		Ant2	2412	Reference	6.94	6.94	---	PASS
				30~1000	6.94	-55.97	≤ -13.06	PASS
				1000~26500	6.94	-42.06	≤ -13.06	PASS
	Ant1	2437	Reference	5.47	5.47	---	PASS	
			30~1000	5.47	-56.08	≤ -14.53	PASS	
			1000~26500	5.47	-42.01	≤ -14.53	PASS	

	Ant2	2437	Reference	7.07	7.07	---	PASS
			30~1000	7.07	-55.75	≤ -12.93	PASS
			1000~26500	7.07	-41.6	≤ -12.93	PASS
	Ant1	2462	Reference	5.83	5.83	---	PASS
			30~1000	5.83	-55.33	≤ -14.17	PASS
			1000~26500	5.83	-41.77	≤ -14.17	PASS
	Ant2	2462	Reference	6.99	6.99	---	PASS
			30~1000	6.99	-55.49	≤ -13.01	PASS
			1000~26500	6.99	-41.49	≤ -13.01	PASS
802.11n HT40 MIMO	Ant1	2422	Reference	3.38	3.38	---	PASS
			30~1000	3.38	-55.44	≤ -16.62	PASS
			1000~26500	3.38	-41.61	≤ -16.62	PASS
	Ant2	2422	Reference	4.79	4.79	---	PASS
			30~1000	4.79	-55.85	≤ -15.21	PASS
			1000~26500	4.79	-42.04	≤ -15.21	PASS
	Ant1	2437	Reference	2.72	2.72	---	PASS
			30~1000	2.72	-55.46	≤ -17.28	PASS
			1000~26500	2.72	-41.89	≤ -17.28	PASS
	Ant2	2437	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-55.39	≤ -15.59	PASS
			1000~26500	4.41	-41.7	≤ -15.59	PASS
	Ant1	2452	Reference	2.64	2.64	---	PASS
			30~1000	2.64	-55.39	≤ -17.36	PASS
			1000~26500	2.64	-41.75	≤ -17.36	PASS
	Ant2	2452	Reference	4.37	4.37	---	PASS
			30~1000	4.37	-55.16	≤ -15.63	PASS
			1000~26500	4.37	-40.72	≤ -15.63	PASS
802.11ax HE20 MIMO	Ant1	2412	Reference	6.33	6.33	---	PASS
			30~1000	6.33	-55.13	≤ -13.67	PASS
			1000~26500	6.33	-40.28	≤ -13.67	PASS
	Ant2	2412	Reference	6.55	6.55	---	PASS
			30~1000	6.55	-48.37	≤ -13.45	PASS
			1000~26500	6.55	-41.23	≤ -13.45	PASS
	Ant1	2437	Reference	5.14	5.14	---	PASS
			30~1000	5.14	-55.11	≤ -14.86	PASS
			1000~26500	5.14	-41.67	≤ -14.86	PASS
	Ant2	2437	Reference	6.93	6.93	---	PASS
			30~1000	6.93	-54.98	≤ -13.07	PASS
			1000~26500	6.93	-42.29	≤ -13.07	PASS
	Ant1	2462	Reference	5.32	5.32	---	PASS
			30~1000	5.32	-55.52	≤ -14.68	PASS
			1000~26500	5.32	-41.4	≤ -14.68	PASS
	Ant2	2462	Reference	6.66	6.66	---	PASS
			30~1000	6.66	-55.61	≤ -13.34	PASS
			1000~26500	6.66	-41.45	≤ -13.34	PASS

802.11ax HE40 MIMO	Ant1	2422	Reference	3.03	3.03	---	PASS
			30~1000	3.03	-55.58	≤ -16.97	PASS
			1000~26500	3.03	-41.4	≤ -16.97	PASS
	Ant2	2422	Reference	4.63	4.63	---	PASS
			30~1000	4.63	-54.91	≤ -15.37	PASS
			1000~26500	4.63	-41.52	≤ -15.37	PASS
	Ant1	2437	Reference	2.25	2.25	---	PASS
			30~1000	2.25	-55.44	≤ -17.75	PASS
			1000~26500	2.25	-41.19	≤ -17.75	PASS
	Ant2	2437	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-55.51	≤ -15.99	PASS
			1000~26500	4.01	-41.49	≤ -15.99	PASS
	Ant1	2452	Reference	2.34	2.34	---	PASS
			30~1000	2.34	-55.77	≤ -17.66	PASS
			1000~26500	2.34	-41.12	≤ -17.66	PASS
	Ant2	2452	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-55.69	≤ -15.9	PASS
			1000~26500	4.10	-41.46	≤ -15.9	PASS

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

