

Antenna 2

Mode: IEEE 802.11n HT20

Lowest Frequency (2412MHz)

Environment: 21.6°C / 64%RH / 101.0kPa

Tested By: Zhang Zishan

Date: 2023-05-18

Voltage: DC 13.5V

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18804.1	54.28	37.06	-17.22	83.54	46.48	100	360	Horizontal
2	19900.6	53.42	36.84	-16.58	83.54	46.70	100	78	Horizontal
3	20581.875	54.39	37.86	-16.53	83.54	45.68	100	142	Horizontal
4	22297.175	51.35	35.86	-15.49	83.54	47.68	100	303	Horizontal
5	24097.9	49.37	35.12	-14.25	83.54	48.42	100	360	Horizontal
6	25510.6	48.47	34.23	-14.24	83.54	49.31	100	78	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18427.975	54.38	36.68	-17.70	83.54	46.86	100	345	Vertical
2	20059.55	54.01	37.26	-16.75	83.54	46.28	100	49	Vertical
3	21034.075	53.34	37.20	-16.14	83.54	46.34	100	95	Vertical
4	22533.05	52.02	36.89	-15.13	83.54	46.65	100	235	Vertical
5	24376.275	49.31	35.05	-14.26	83.54	48.49	100	126	Vertical
6	25364.4	49.01	34.89	-14.12	83.54	48.65	100	95	Vertical

Note:

Above 18G test distance is 1m, so the Peak Limit=74+20*log(3/1)=83.54 (dBμV/m).

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Mode: IEEE 802.11n HT20
 Middle Frequency (2437MHz)
 Environment: 21.6°C / 64%RH / 101.0kPa
 Tested By: Zhang Zishan

Date: 2023-05-18
 Voltage: DC 13.5V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18675.325	54.94	37.57	-17.37	83.54	45.97	100	48	Horizontal
2	19232.075	53.85	36.94	-16.91	83.54	46.60	100	95	Horizontal
3	19904.85	53.78	37.21	-16.57	83.54	46.33	100	328	Horizontal
4	21008.15	52.62	36.57	-16.05	83.54	46.97	100	204	Horizontal
5	22174.775	51.69	36.06	-15.63	83.54	47.48	100	328	Horizontal
6	24303.175	49.41	35.14	-14.27	83.54	48.40	100	251	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18785.4	54.54	37.37	-17.17	83.54	46.17	100	98	Vertical
2	19164.925	54.61	37.39	-17.22	83.54	46.15	100	286	Vertical
3	20826.675	52.32	36.09	-16.23	83.54	47.45	100	160	Vertical
4	22267.425	52.22	36.48	-15.74	83.54	47.06	100	98	Vertical
5	24511.85	49.19	34.97	-14.22	83.54	48.57	100	47	Vertical
6	25416.675	48.85	34.76	-14.09	83.54	48.78	100	224	Vertical

Note:

Above 18G test distance is 1m, so the Peak Limit = $74 + 20 \cdot \log(3/1) = 83.54$ (dBμV/m).

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Mode: IEEE 802.11n HT20
 Highest Frequency (2462MHz)
 Environment: 21.6°C / 64%RH / 101.0kPa
 Tested By: Zhang Zishan

Date: 2023-05-18
 Voltage: DC 13.5V

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18508.725	53.89	36.36	-17.53	83.54	47.18	100	156	Horizontal
2	19409.725	54.44	37.56	-16.88	83.54	45.98	100	48	Horizontal
3	20968.2	52.91	36.80	-16.11	83.54	46.74	100	156	Horizontal
4	22633.35	51.84	36.90	-14.94	83.54	46.64	100	110	Horizontal
5	24337.175	50.59	36.32	-14.27	83.54	47.22	100	203	Horizontal
6	25187.6	49.07	35.12	-13.95	83.54	48.42	100	283	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18787.1	54.19	37.02	-17.17	83.54	46.52	100	282	Vertical
2	20042.975	54.13	37.37	-16.76	83.54	46.17	100	143	Vertical
3	21090.6	52.38	36.26	-16.12	83.54	47.28	100	250	Vertical
4	22286.975	51.99	36.31	-15.68	83.54	47.23	100	173	Vertical
5	23499.925	50.31	35.28	-15.03	83.54	48.26	100	111	Vertical
6	25494.45	49.46	35.42	-14.04	83.54	48.12	100	18	Vertical

Note:

Above 18G test distance is 1m, so the Peak Limit = $74 + 20 \cdot \log(3/1) = 83.54$ (dBμV/m).

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6. 6dB BANDWIDTH

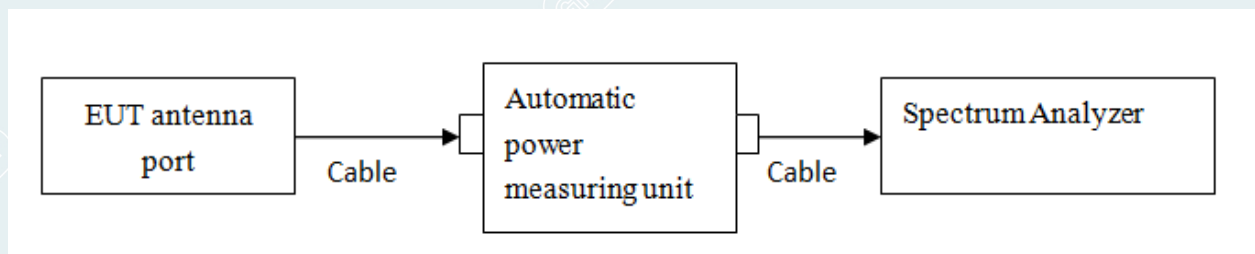
6.1 LIMITS

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

6.2 TEST PROCEDURES

- 1) Remove the antenna from the EUT, and then connect a low loss RF cable from antenna port to the spectrum analyzer.
- 2) Set resolution bandwidth (RBW) = 100kHz. Set the video bandwidth (VBW) $\geq 3 \times$ RBW. Detector = Peak. Trace mode = max hold. Sweep = auto couple. Allow the trace to stabilize, record 6dB bandwidth value.
- 3) Repeat above procedures until all frequencies measured were complete.

6.3 TEST SETUP



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

6.4 TEST RESULTS

Environment: 23.5°C/53%RH/101.0kPa

Voltage:DC 13.5V

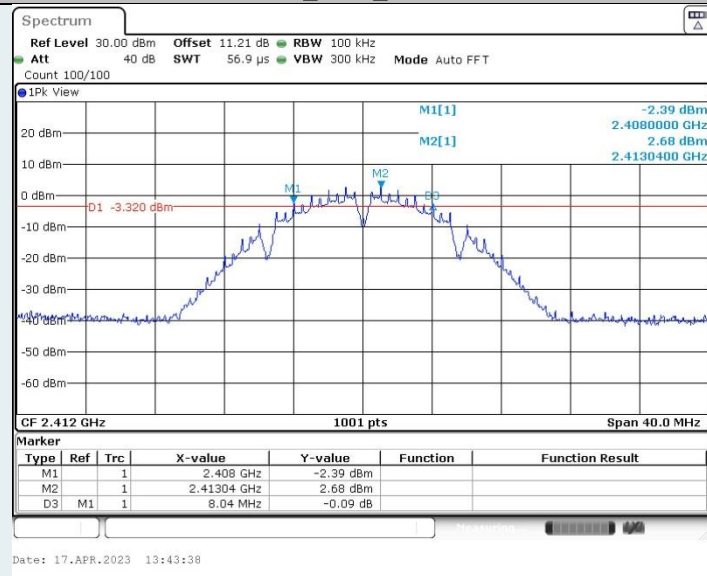
Tested By: Qing Tingting

Date: 2023-04-17

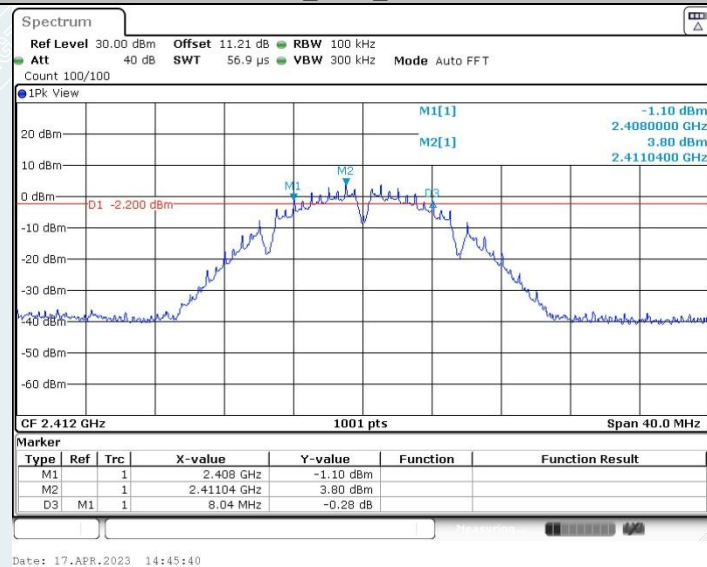
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	F _L [MHz]	F _H [MHz]	Limit[MHz]	Verdict
802.11b	Ant1	2412	8.04	2408.00	2416.04	0.5	PASS
	Ant2	2412	8.04	2408.00	2416.04	0.5	PASS
	Ant1	2437	8.04	2433.00	2441.04	0.5	PASS
	Ant2	2437	8.04	2433.00	2441.04	0.5	PASS
	Ant1	2462	8.04	2458.00	2466.04	0.5	PASS
	Ant2	2462	8.04	2458.00	2466.04	0.5	PASS
802.11g	Ant1	2412	16.28	2403.88	2420.16	0.5	PASS
	Ant2	2412	16.28	2403.88	2420.16	0.5	PASS
	Ant1	2437	16.32	2428.88	2445.20	0.5	PASS
	Ant2	2437	16.32	2428.88	2445.20	0.5	PASS
	Ant1	2462	16.32	2453.88	2470.20	0.5	PASS
	Ant2	2462	16.04	2453.88	2469.92	0.5	PASS
802.11n HT20 SISO	Ant1	2412	17.52	2403.28	2420.80	0.5	PASS
	Ant2	2412	16.76	2403.64	2420.40	0.5	PASS
	Ant1	2437	16.84	2428.60	2445.44	0.5	PASS
	Ant2	2437	16.56	2428.88	2445.44	0.5	PASS
	Ant1	2462	16.84	2453.60	2470.44	0.5	PASS
	Ant2	2462	17.56	2453.24	2470.80	0.5	PASS
802.11n HT40 SISO	Ant1	2422	35.76	2403.84	2439.60	0.5	PASS
	Ant2	2422	35.76	2403.84	2439.60	0.5	PASS
	Ant1	2437	35.36	2419.24	2454.60	0.5	PASS
	Ant2	2437	35.36	2419.24	2454.60	0.5	PASS
	Ant1	2452	35.36	2434.24	2469.60	0.5	PASS
	Ant2	2452	35.36	2434.24	2469.60	0.5	PASS

Test Graphs

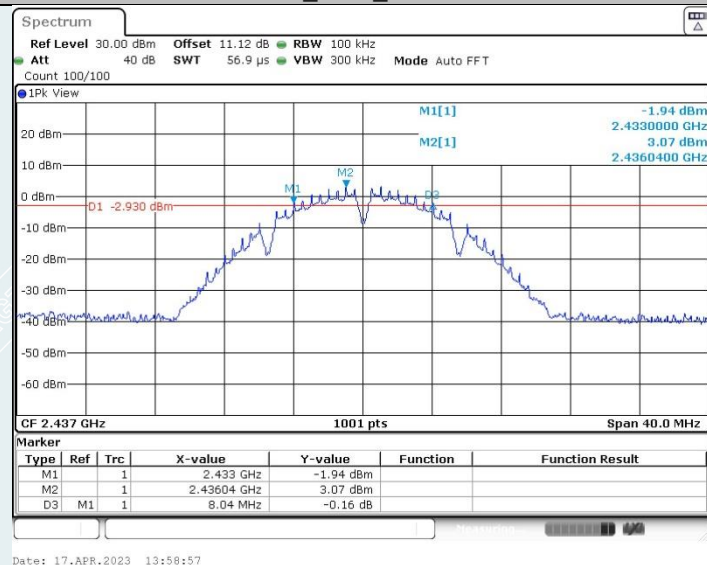
802.11b_Ant1_2412 MHz



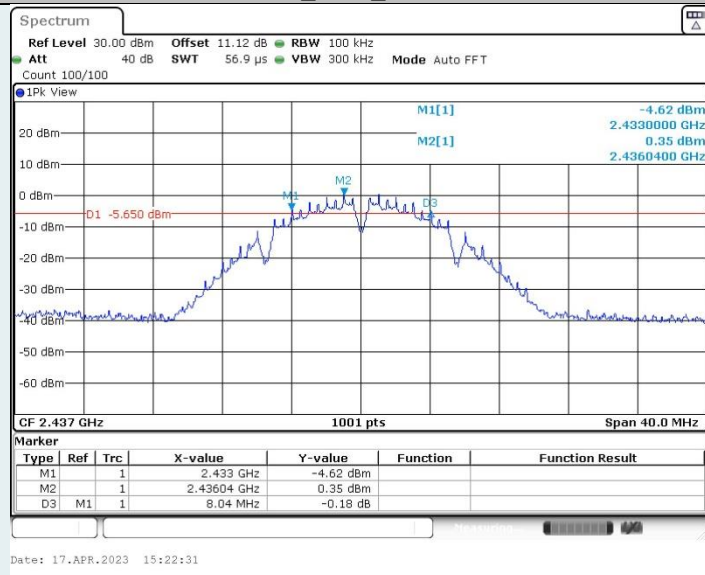
802.11b_Ant2_2412 MHz



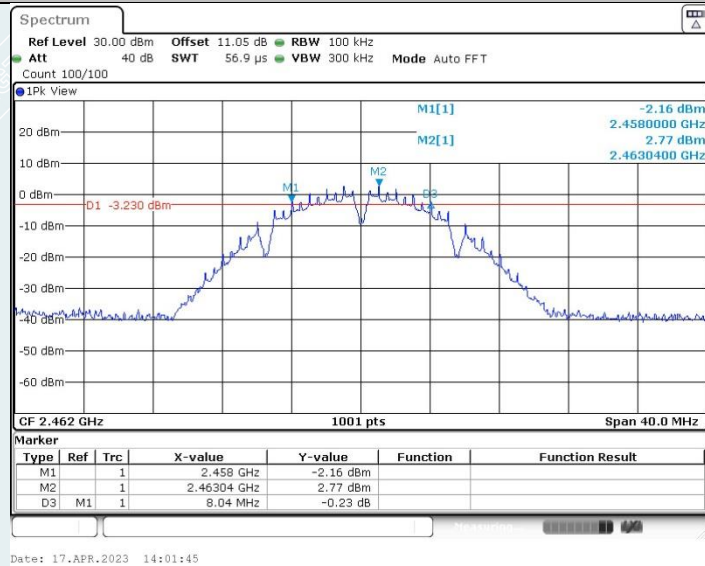
802.11b_Ant1_2437 MHz



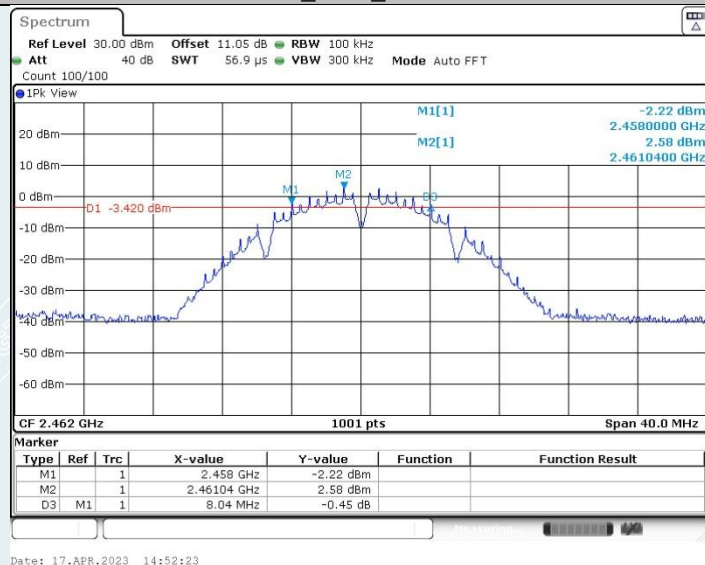
802.11b_Ant2_2437 MHz



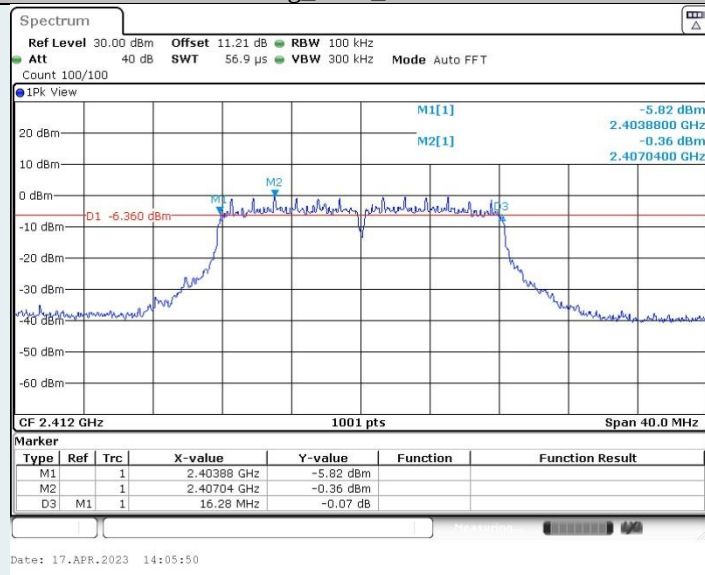
802.11b_Ant1_2462 MHz



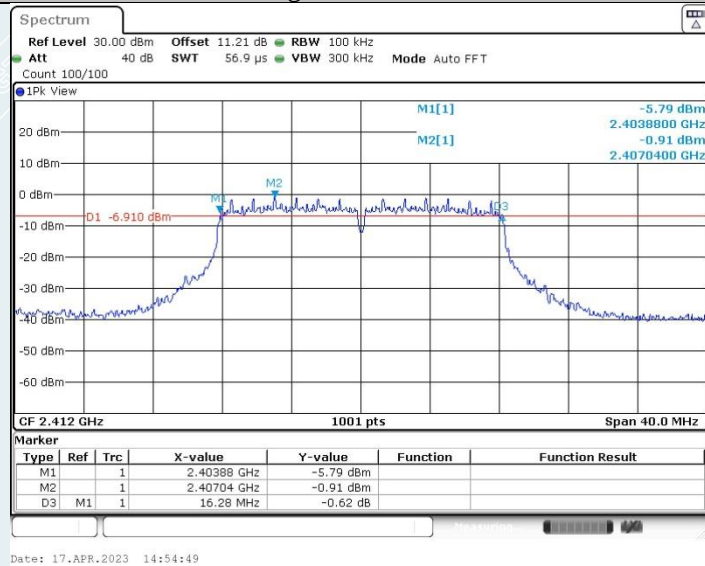
802.11b_Ant2_2462 MHz



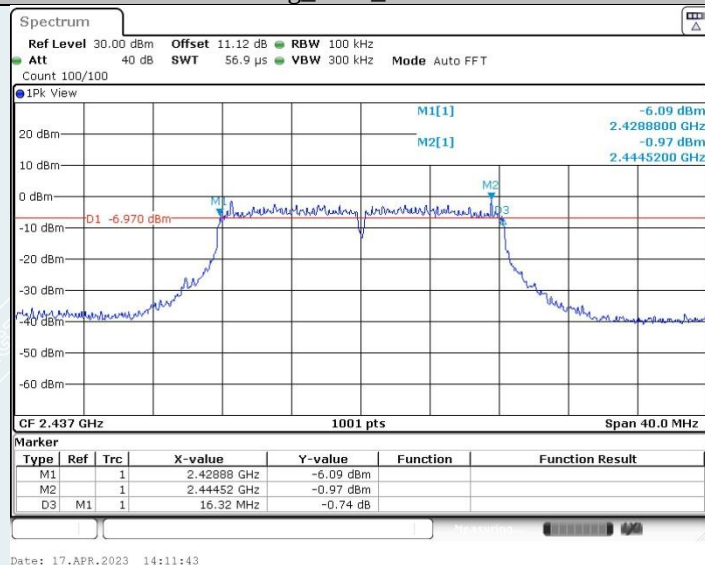
802.11g_Ant1_2412 MHz



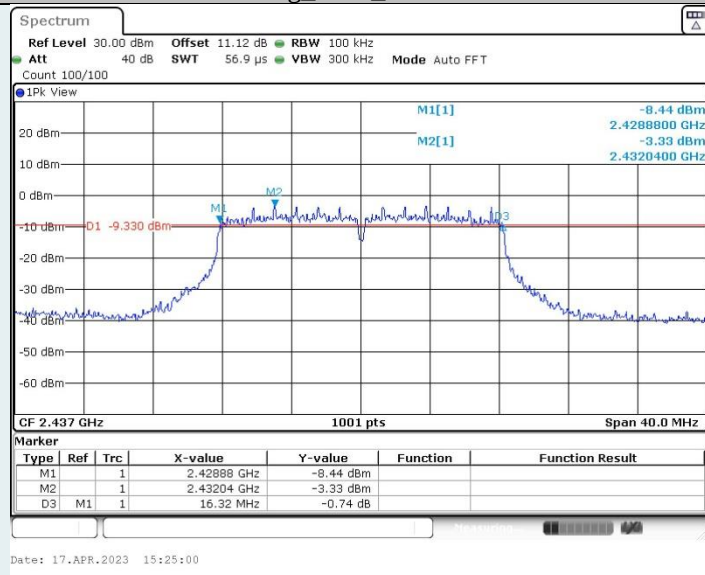
802.11g_Ant2_2412 MHz



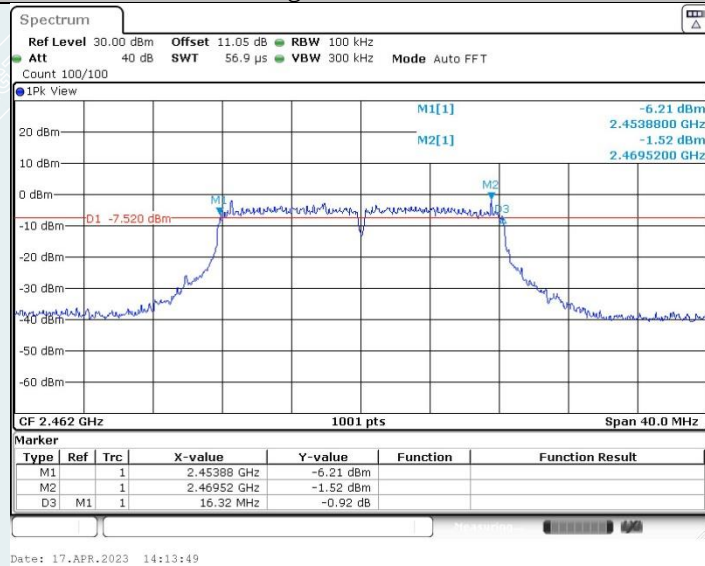
802.11g_Ant1_2437 MHz



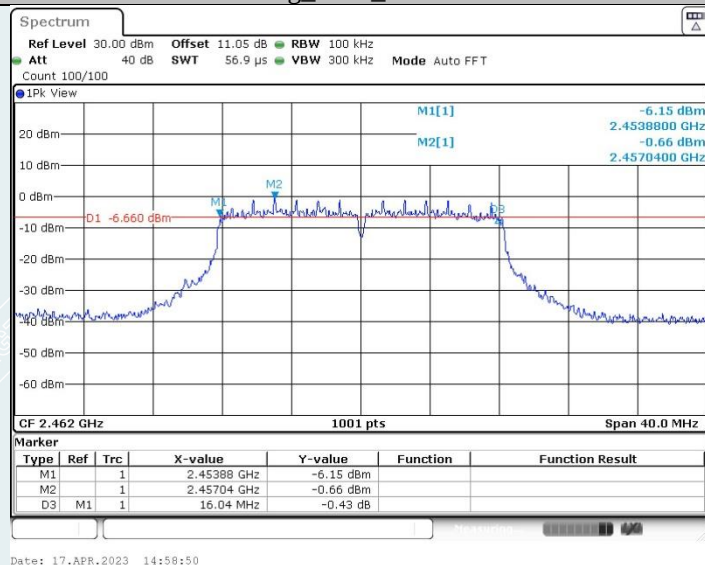
802.11g_Ant2_2437 MHz



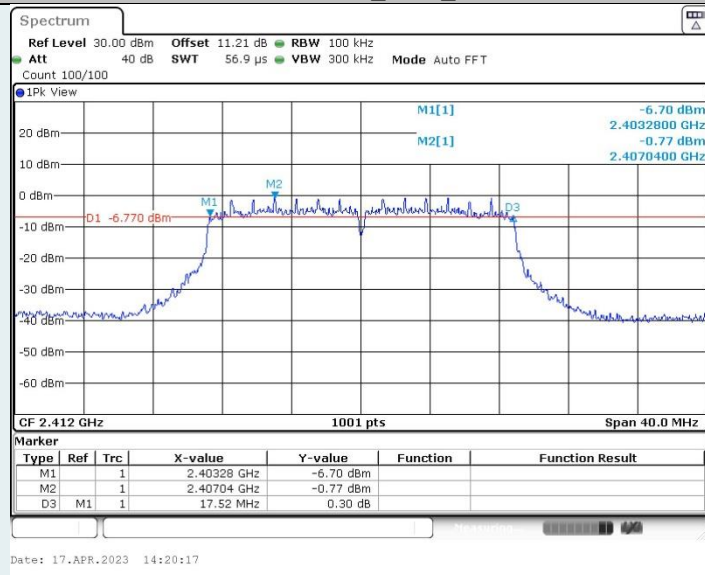
802.11g_Ant1_2462 MHz



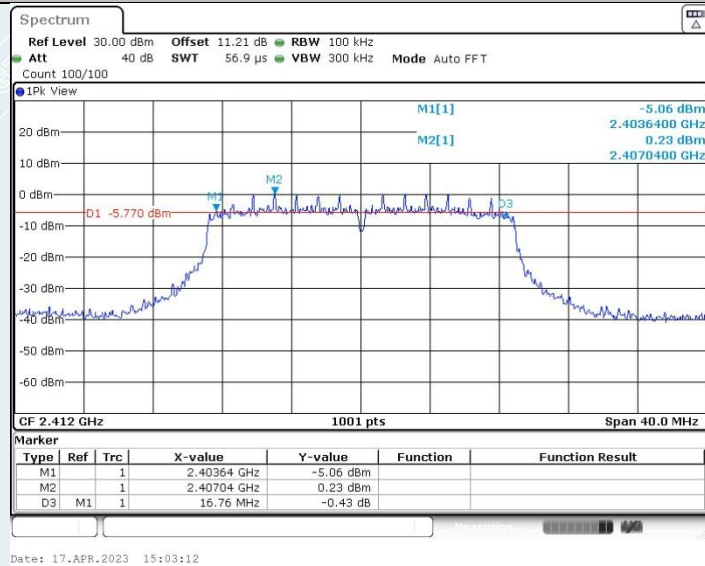
802.11g_Ant2_2462 MHz



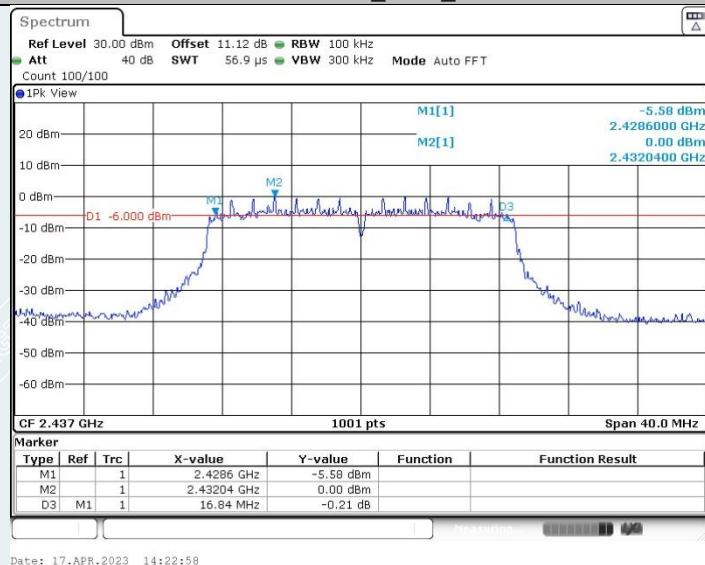
802.11n HT20 SISO_Ant1_2412 MHz



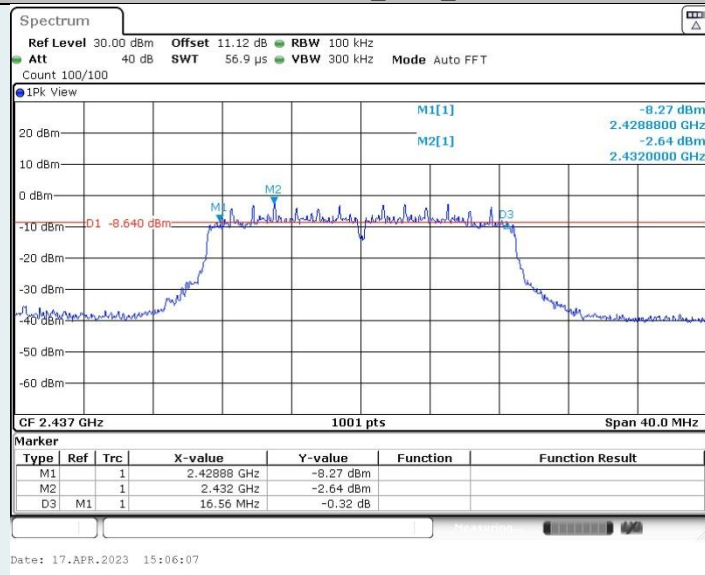
802.11n HT20 SISO_Ant2_2412 MHz



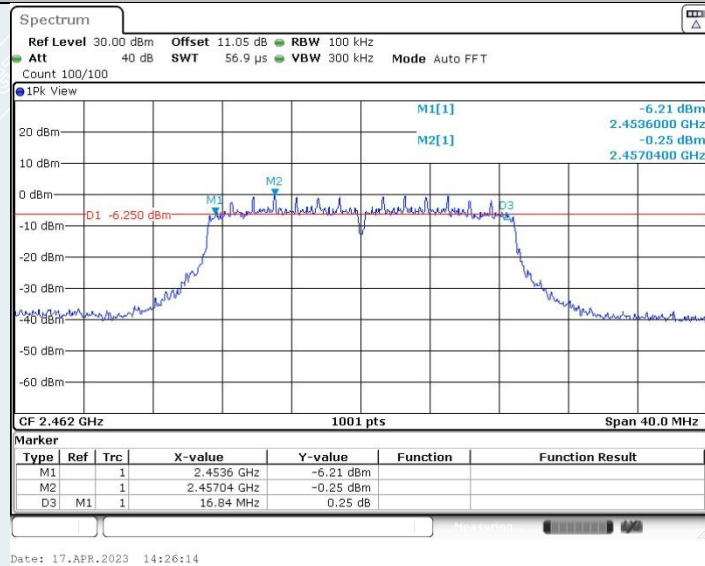
802.11n HT20 SISO_Ant1_2437 MHz



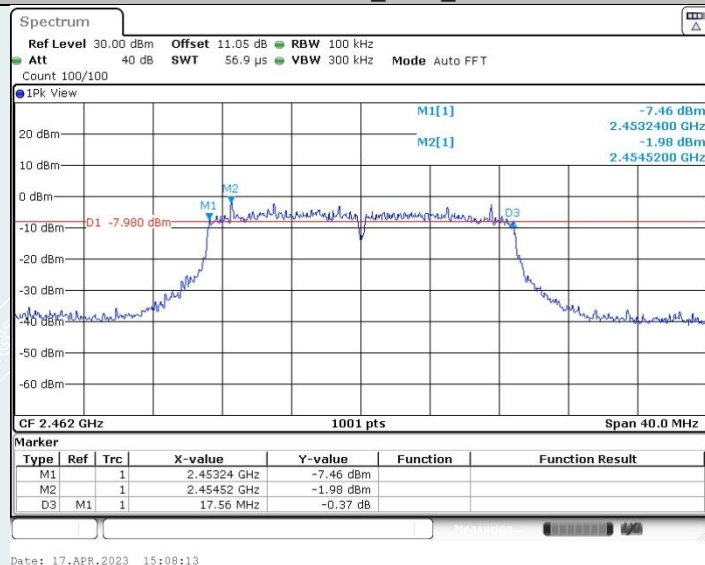
802.11n HT20 SISO_Ant2_2437 MHz



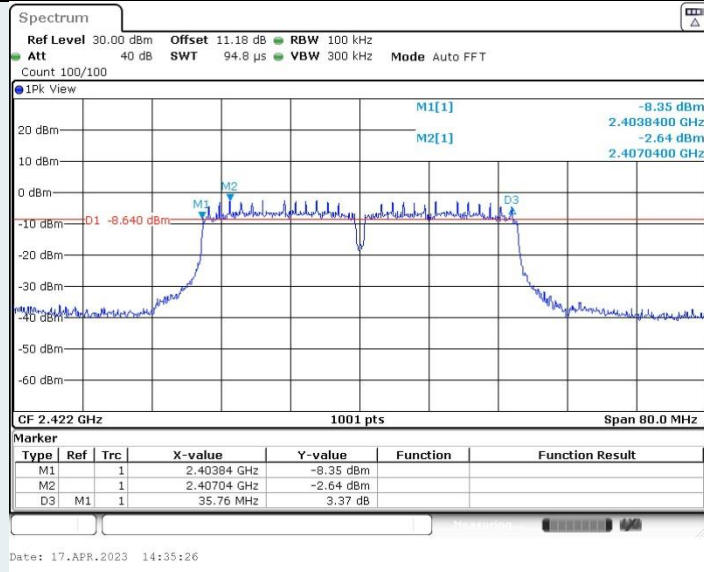
802.11n HT20 SISO_Ant1_2462 MHz



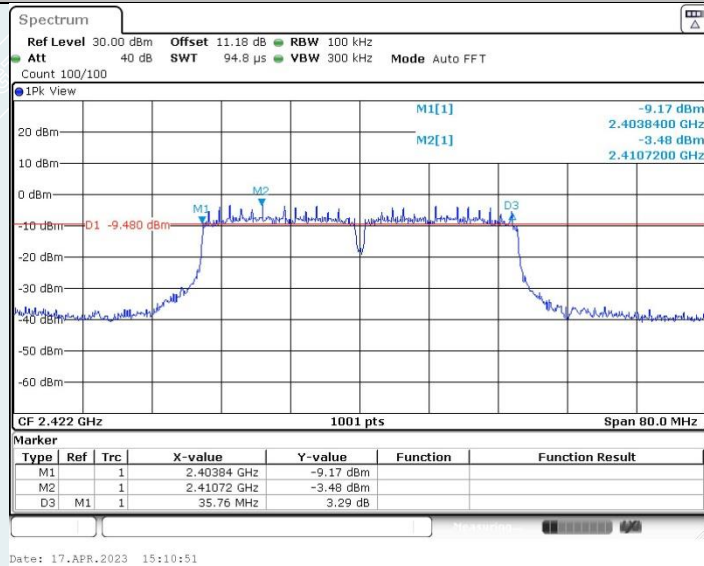
802.11n HT20 SISO_Ant2_2462 MHz



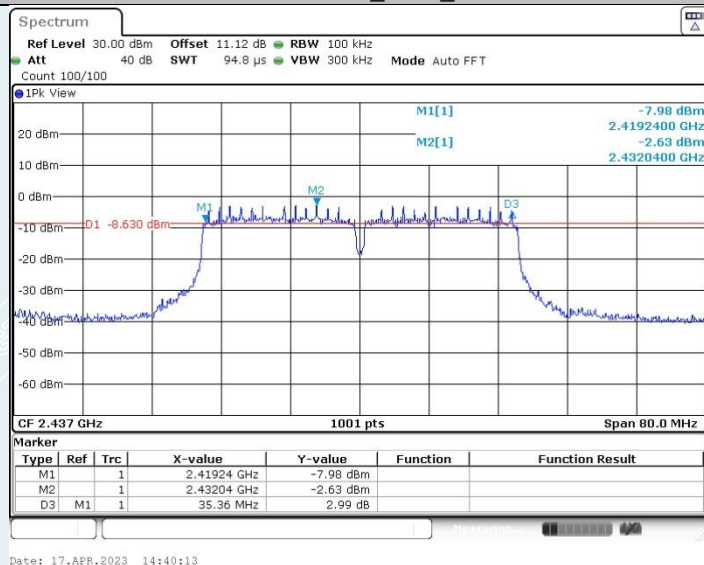
802.11n HT40 SISO_Ant1_2422 MHz



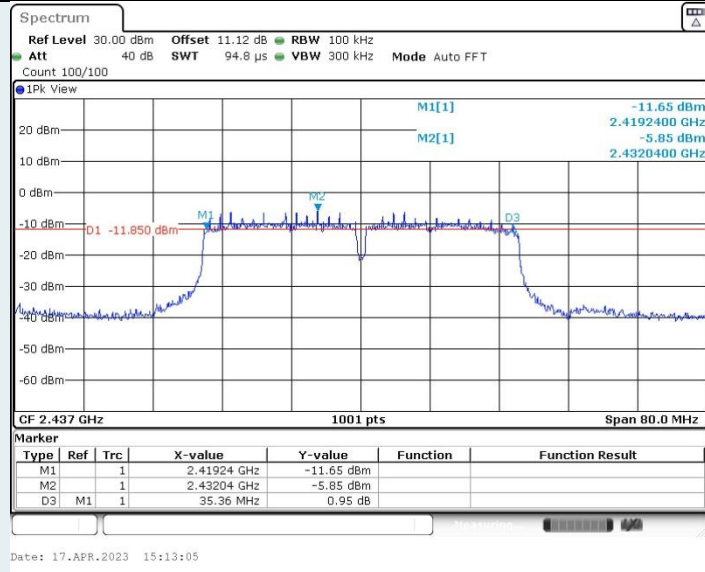
802.11n HT40 SISO_Ant2_2422 MHz



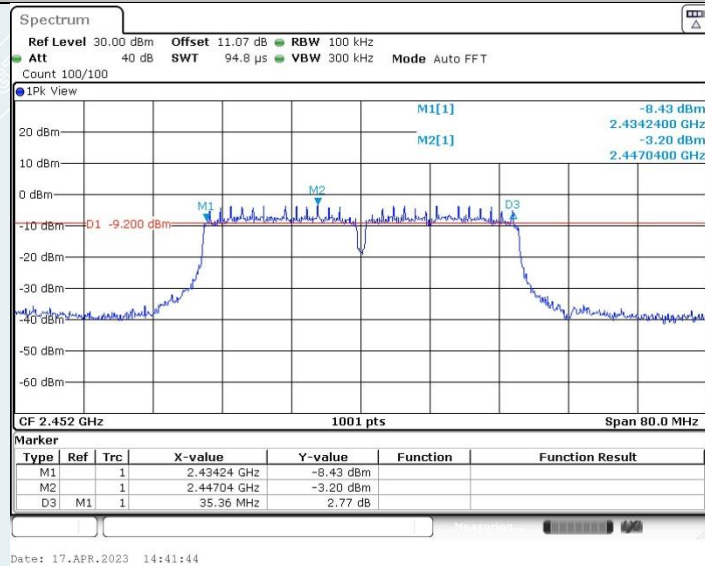
802.11n HT40 SISO_Ant1_2437 MHz



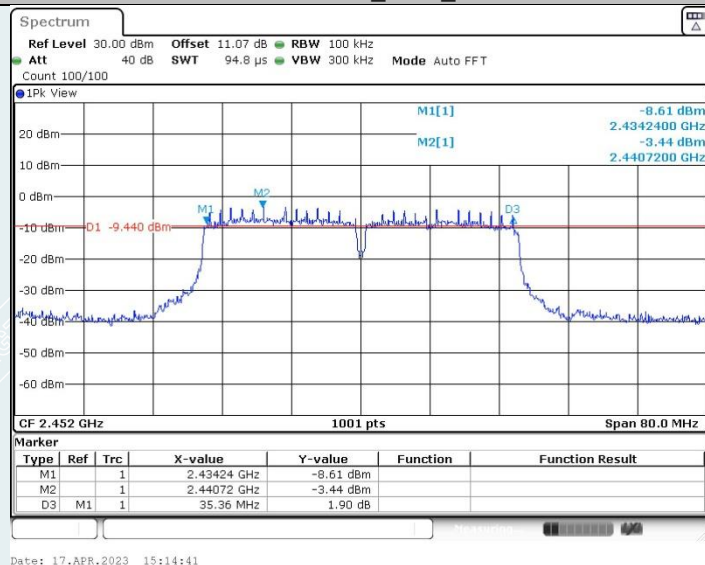
802.11n HT40 SISO_Ant2_2437 MHz



802.11n HT40 SISO_Ant1_2452 MHz



802.11n HT40 SISO_Ant2_2452 MHz



7. MAXIMUM PEAK OUTPUT POWER

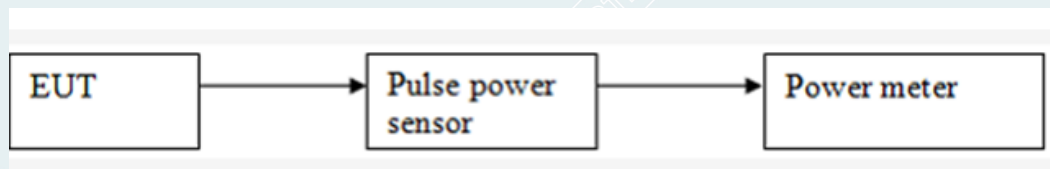
7.1 LIMITS

The maximum Peak output power measurement is 1W

7.2 TEST PROCEDURES

- 1) RF output of EUT was connected to the broadband peak 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.

7.3 TEST SETUP



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7.4 TEST RESULT

Environment: 23.5°C/53%RH/101.0kPa
Tested By: Qing Tingting

Voltage:DC 13.5V
Date: 2023-04-14

802.11b Mode Antenna 1:

Channel No.	Frequency (MHz)	Measured Channel Power (dBm)	Peak / AVG	Limit	Result
1	2412	13.12	Peak	30dBm	Pass
6	2437	13.37			Pass
11	2462	13.92			Pass

802.11b Mode Antenna 2:

Channel No.	Frequency (MHz)	Measured Channel Power (dBm)	Peak / AVG	Limit	Result
1	2412	15.14	Peak	30dBm	Pass
6	2437	14.45			Pass
11	2462	13.57			Pass

802.11g Mode Antenna 1:

Channel No.	Frequency (MHz)	Measured Channel Power (dBm)	Peak / AVG	Limit	Result
1	2412	16.47	Peak	30dBm	Pass
6	2437	16.73			Pass
11	2462	17.34			Pass

802.11g Mode Antenna 2:

Channel No.	Frequency (MHz)	Measured Channel Power (dBm)	Peak / AVG	Limit	Result
1	2412	17.70	Peak	30dBm	Pass
6	2437	16.75			Pass
11	2462	16.18			Pass

802.11n HT20 SISO Mode Antenna 1:

Channel No.	Frequency (MHz)	Measured Channel Power (dBm)	Peak/ AVG	Limit	Result
1	2412	17.21	Peak	30dBm	Pass
6	2437	17.83			Pass
11	2462	18.14			Pass

802.11n HT20 SISO Mode Antenna 2:

Channel No.	Frequency (MHz)	Measured Channel Power (dBm)	Peak/ AVG	Limit	Result
1	2412	18.53	Peak	30dBm	Pass
6	2437	17.89			Pass
11	2462	17.85			Pass

802.11n HT40 SISO Mode Antenna 1:

Channel No.	Frequency (MHz)	Measured Channel Power (dBm)	Peak/ AVG	Limit	Result
3	2422	18.09	Peak	30dBm	Pass
6	2437	18.18			Pass
9	2452	18.25			Pass

802.11n HT40 SISO Mode Antenna 2:

Channel No.	Frequency (MHz)	Measured Channel Power (dBm)	Peak/ AVG	Limit	Result
3	2422	18.37	Peak	30dBm	Pass
6	2437	18.08			Pass
9	2452	17.94			Pass

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8. POWER SPECTRAL DENSITY

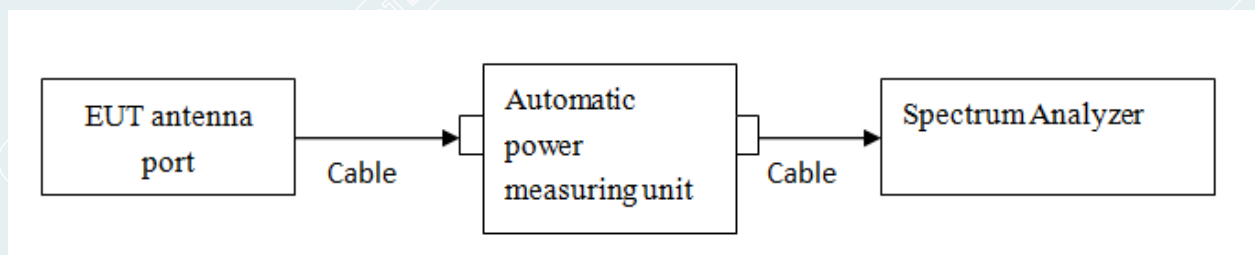
8.1 LIMITS

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

8.2 TEST PROCEDURES

- 1) Remove the antenna from the EUT, and then connect a low loss RF cable from antenna port to the spectrum analyzer.
- 2) Position the EUT was set without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3) The following procedure shall be used if maximum peak conducted output power was used to determine compliance, and it is optional if the maximum conducted (average) output power was used to determine compliance:
 - a) Set analyzer center frequency to DTS channel center frequency.
 - b) Set the span to 1.5 times the DTS bandwidth.
 - c) Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
 - d) Set the VBW $\geq [3 \times \text{RBW}]$.
 - e) Detector = peak
 - f) Sweep time = auto couple.
 - g) Trace mode = max hold.
 - h) Allow trace to fully stabilize.
 - i) Use the peak marker function to determine the maximum amplitude level within the RBW.
 - j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.
- 4) Repeat above procedures until all frequencies measured were complete.

8.3 TEST SETUP



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8.4 TEST RESULTS

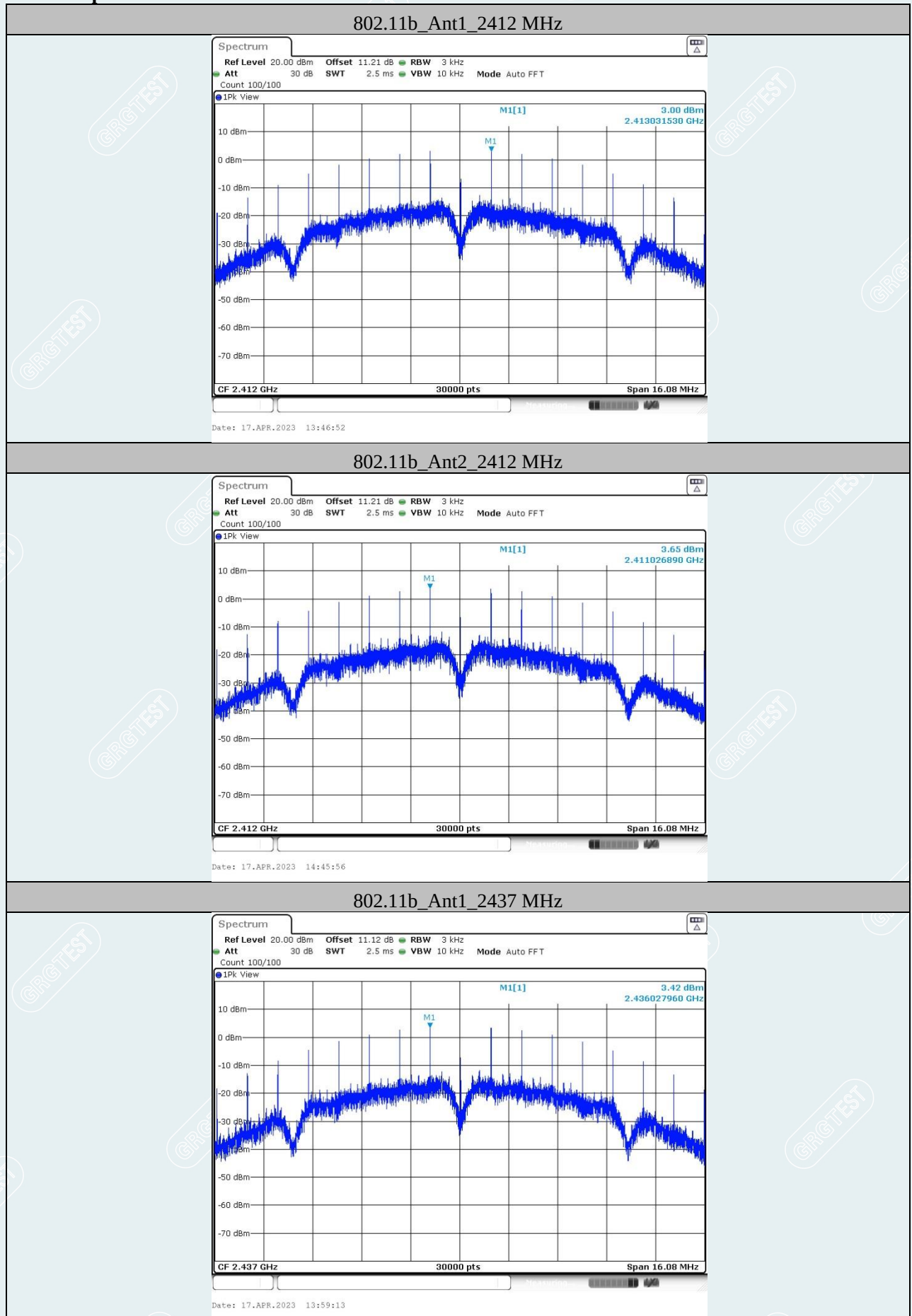
Environment: 23.5°C/53%RH/101.0kPa
 Tested By: Qing Tingting

Voltage:DC 13.5V
 Date: 2023-04-17

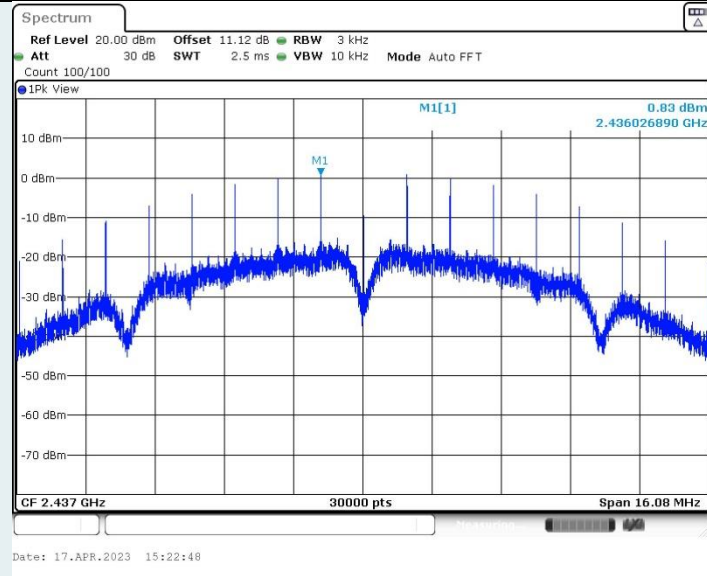
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
802.11b	Ant1	2412	3.00	≤8.00	PASS
	Ant2	2412	3.65	≤8.00	PASS
	Ant1	2437	3.42	≤8.00	PASS
	Ant2	2437	0.83	≤8.00	PASS
	Ant1	2462	2.94	≤8.00	PASS
	Ant2	2462	2.51	≤8.00	PASS
802.11g	Ant1	2412	-15.62	≤8.00	PASS
	Ant2	2412	-15.65	≤8.00	PASS
	Ant1	2437	-16.13	≤8.00	PASS
	Ant2	2437	-18.43	≤8.00	PASS
	Ant1	2462	-15.23	≤8.00	PASS
	Ant2	2462	-16.83	≤8.00	PASS
802.11n HT20 SISO	Ant1	2412	-16.02	≤8.00	PASS
	Ant2	2412	-15.78	≤8.00	PASS
	Ant1	2437	-15.10	≤8.00	PASS
	Ant2	2437	-17.71	≤8.00	PASS
	Ant1	2462	-15.83	≤8.00	PASS
	Ant2	2462	-15.91	≤8.00	PASS
802.11n HT40 SISO	Ant1	2422	-17.60	≤8.00	PASS
	Ant2	2422	-18.49	≤8.00	PASS
	Ant1	2437	-18.25	≤8.00	PASS
	Ant2	2437	-20.42	≤8.00	PASS
	Ant1	2452	-17.67	≤8.00	PASS
	Ant2	2452	-18.27	≤8.00	PASS

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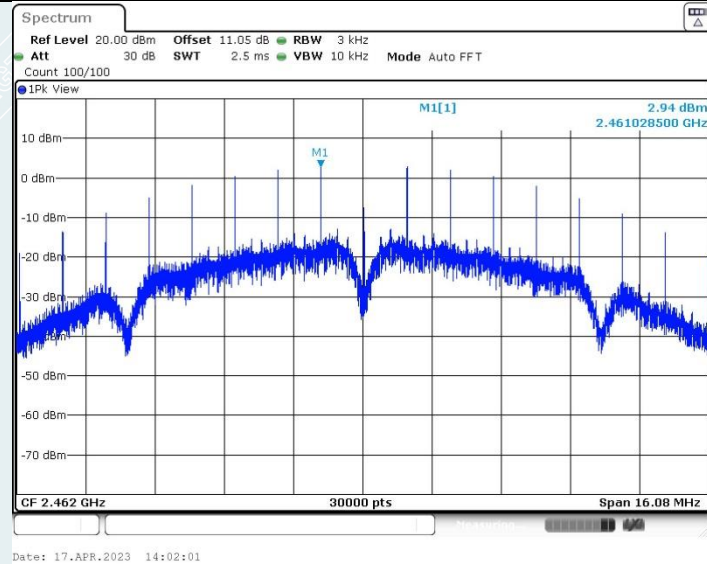
Test Graphs



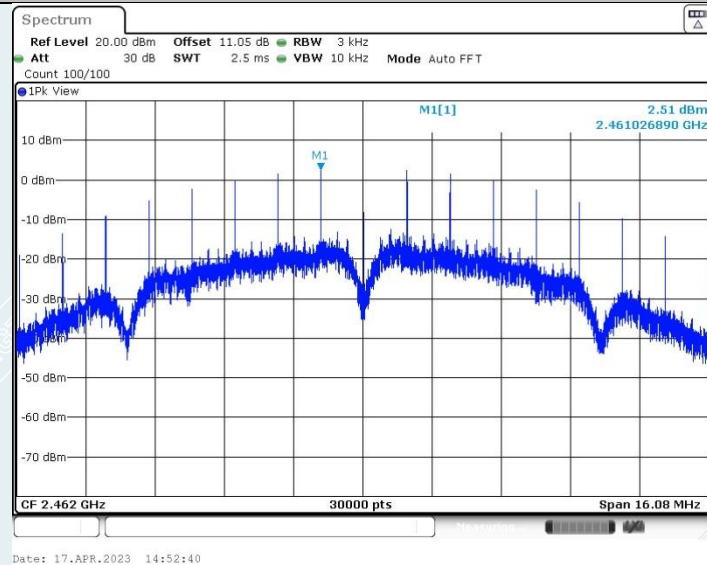
802.11b_Ant2_2437 MHz



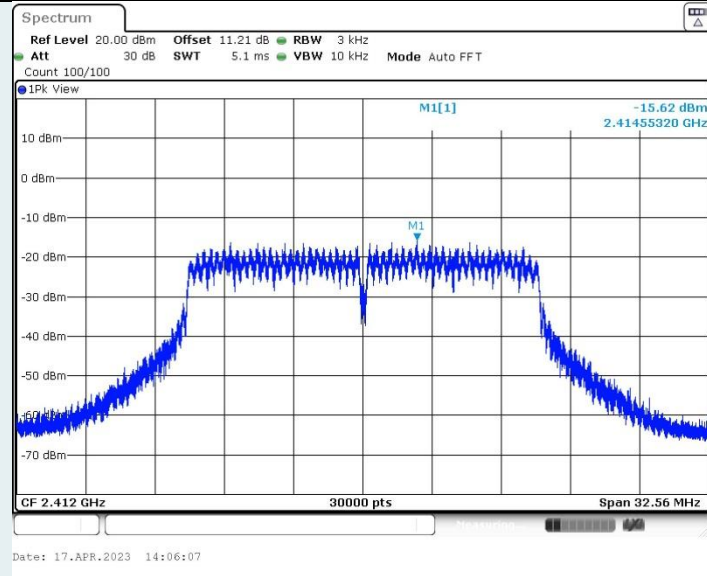
802.11b_Ant1_2462 MHz



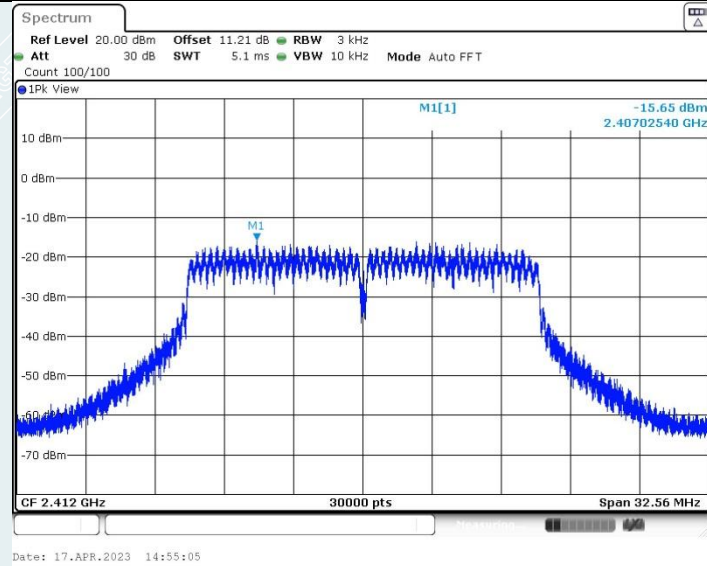
802.11b_Ant2_2462 MHz



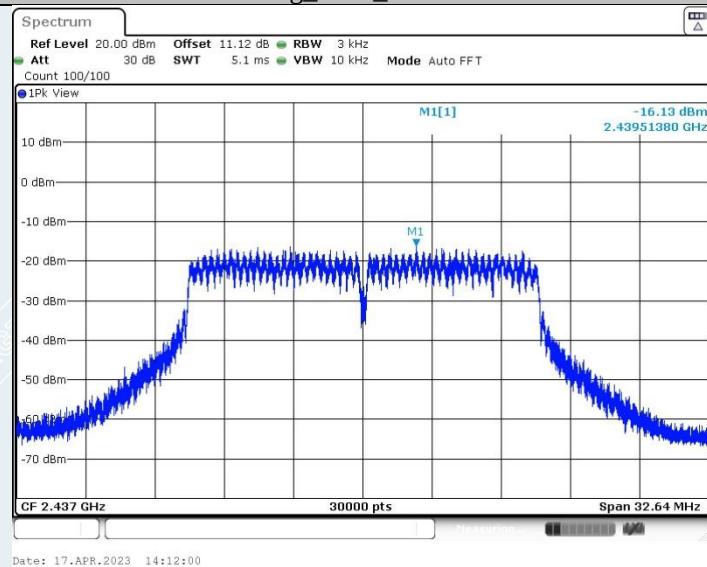
802.11g_Ant1_2412 MHz



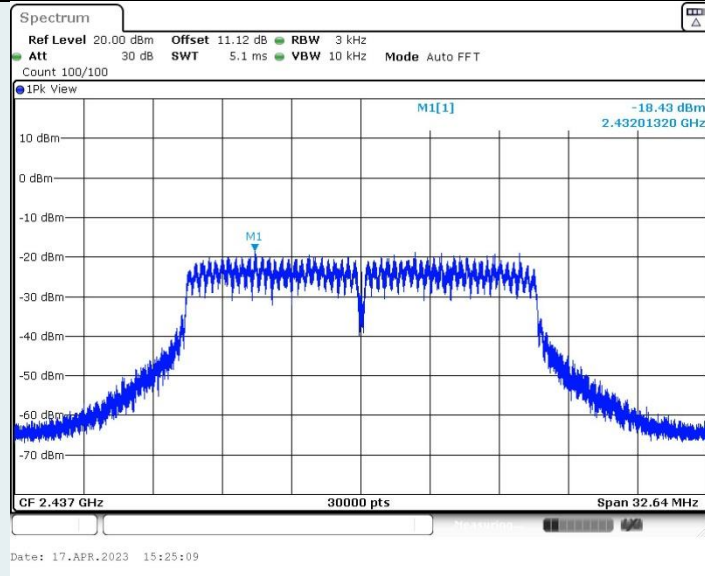
802.11g_Ant2_2412 MHz



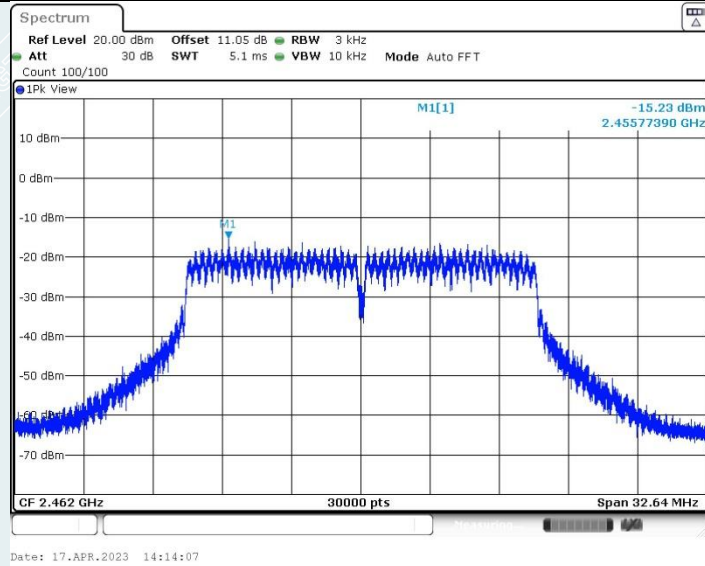
802.11g_Ant1_2437 MHz



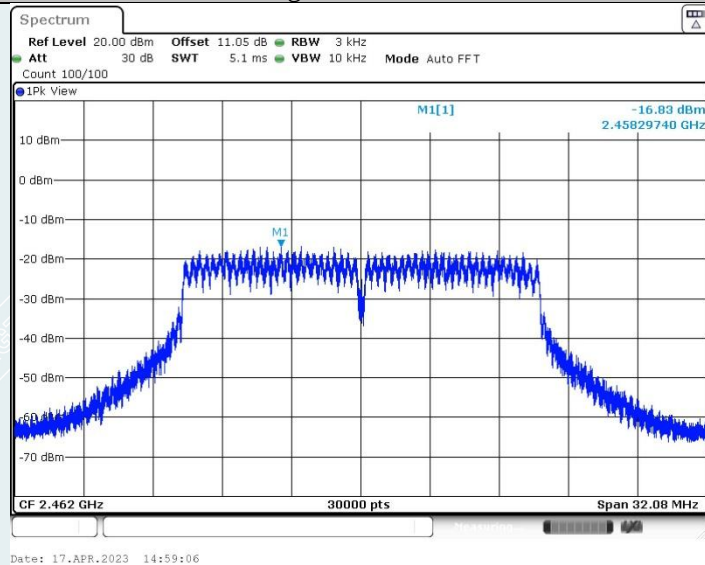
802.11g_Ant2_2437 MHz



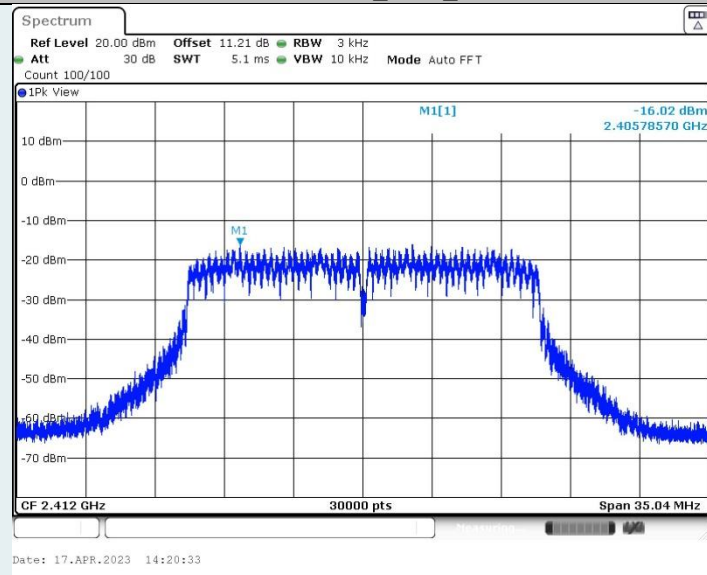
802.11g_Ant1_2462 MHz



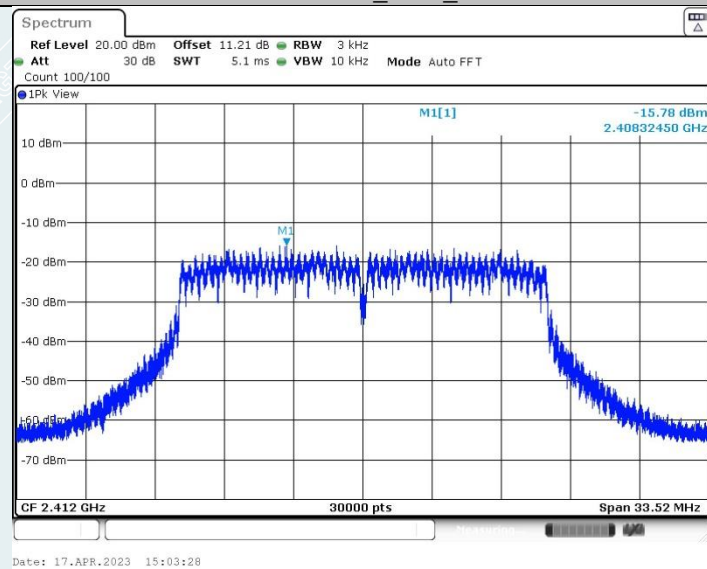
802.11g_Ant2_2462 MHz



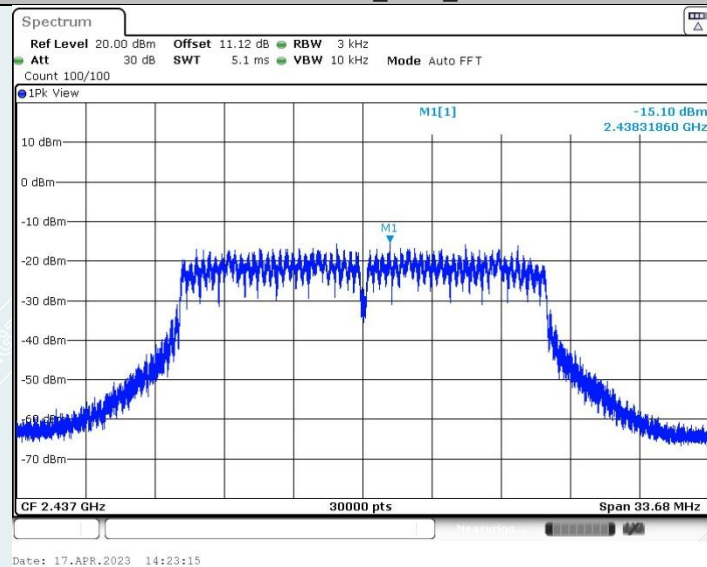
802.11n HT20 SISO_Ant1_2412 MHz



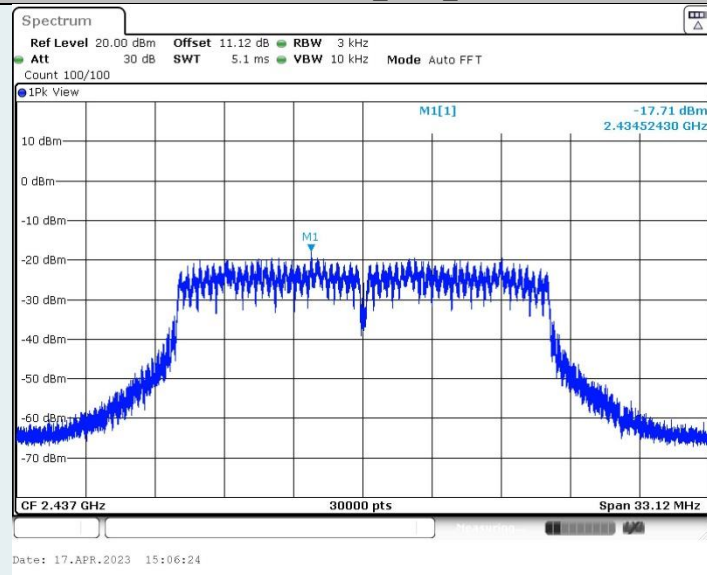
802.11n HT20 SISO_Ant2_2412 MHz



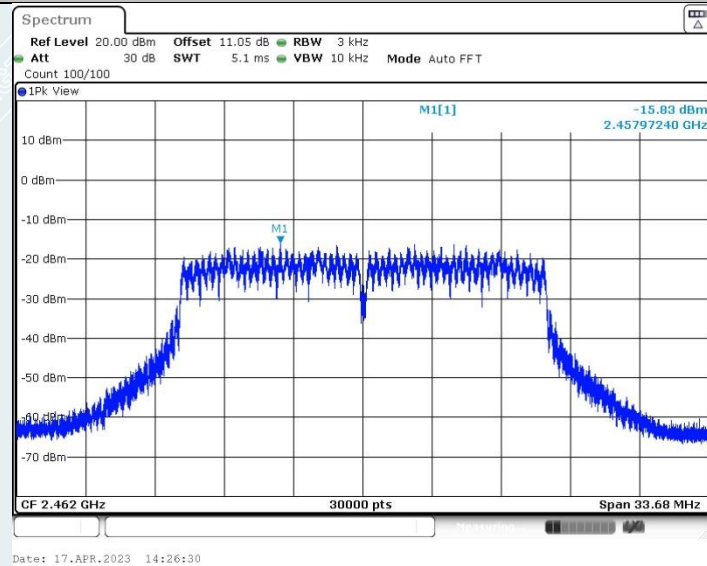
802.11n HT20 SISO_Ant1_2437 MHz



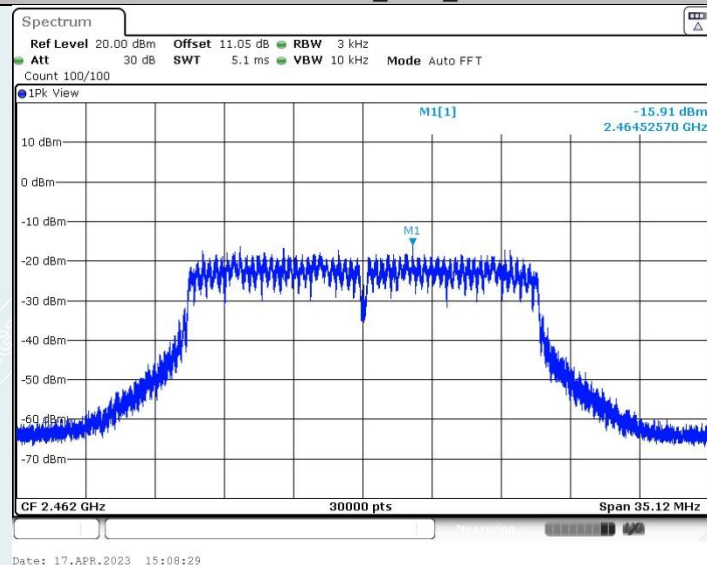
802.11n HT20 SISO_Ant2_2437 MHz



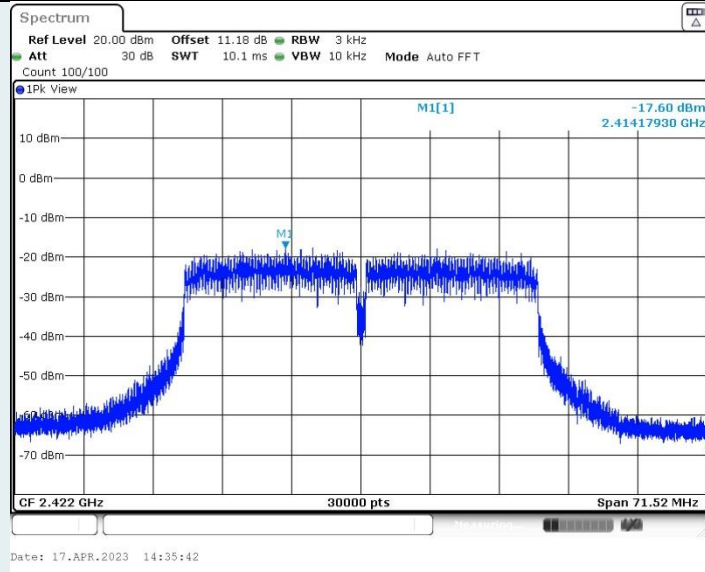
802.11n HT20 SISO_Ant1_2462 MHz



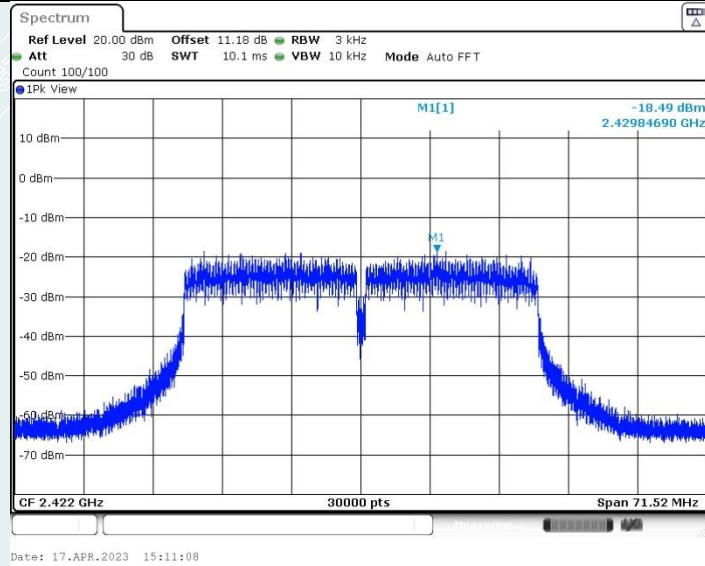
802.11n HT20 SISO_Ant2_2462 MHz



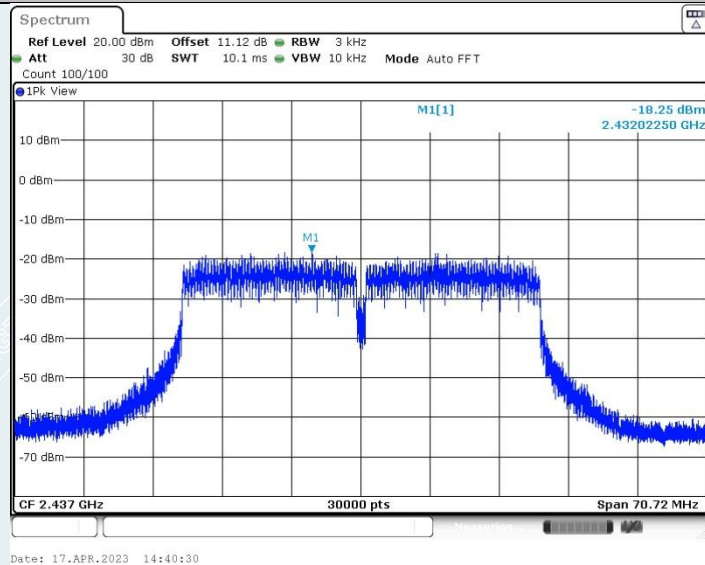
802.11n HT40 SISO_Ant1_2422 MHz



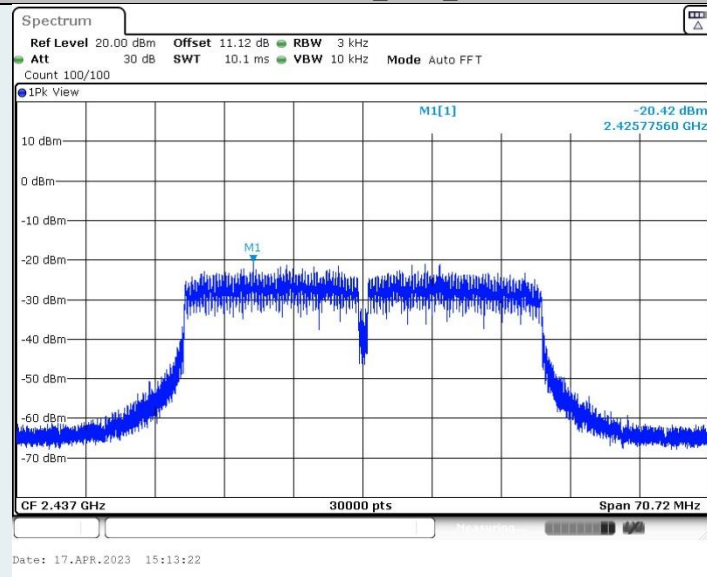
802.11n HT40 SISO_Ant2_2422 MHz



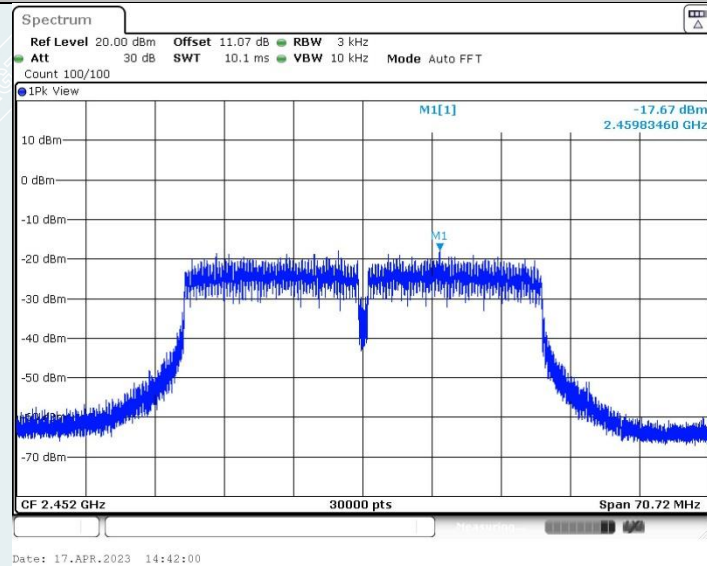
802.11n HT40 SISO_Ant1_2437 MHz



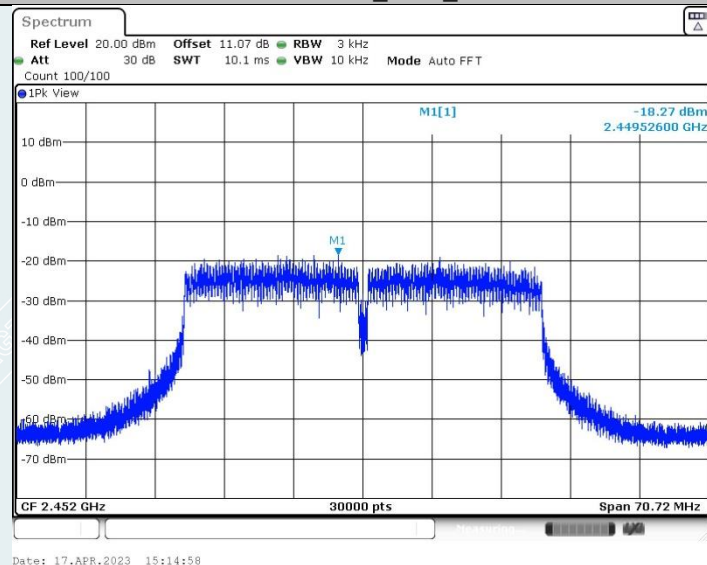
802.11n HT40 SISO_Ant2_2437 MHz



802.11n HT40 SISO_Ant1_2452 MHz



802.11n HT40 SISO_Ant2_2452 MHz



9. CONDUCTED BAND EDGES AND SPURIOUS EMISSIONS

9.1 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.

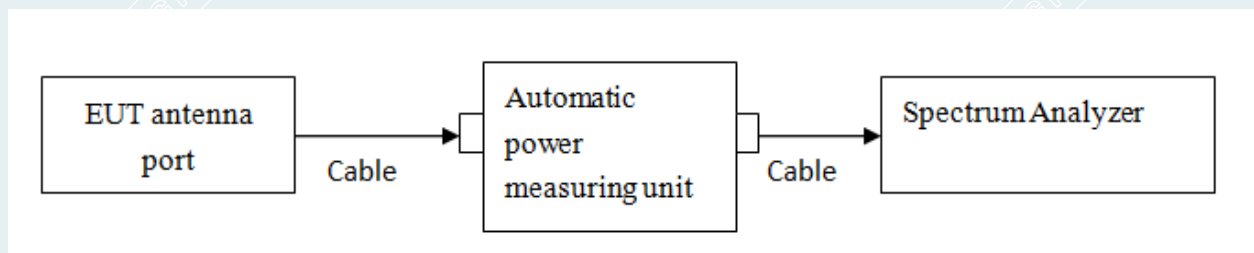
9.2 TEST PROCEDURES

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 = 100 kHz; VBW = 300 kHz, Frequency range = 30 MHz to 26.5 GHz; 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.

9.3 TEST SETUP



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

9.4 TEST RESULTS

Environment: 23.5°C/53%RH/101.0kPa
Tested By: Qing Tingting

Voltage:DC 13.5V
Date: 2023-04-17

Band edge

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
802.11b	Ant1	Low	2412	2.69	-44.65	≤ -17.31	PASS
	Ant2	Low	2412	3.80	-45.38	≤ -16.20	PASS
	Ant1	High	2462	2.91	-44.48	≤ -17.09	PASS
	Ant2	High	2462	2.62	-44.88	≤ -17.38	PASS
802.11g	Ant1	Low	2412	-0.34	-36.92	≤ -20.34	PASS
	Ant2	Low	2412	-0.38	-35.89	≤ -20.38	PASS
	Ant1	High	2462	-0.55	-45.40	≤ -20.55	PASS
	Ant2	High	2462	-0.71	-45.14	≤ -20.71	PASS
802.11n HT20 SISO	Ant1	Low	2412	0.22	-37.24	≤ -19.78	PASS
	Ant2	Low	2412	-0.40	-37.06	≤ -20.40	PASS
	Ant1	High	2462	-1.00	-45.35	≤ -21.00	PASS
	Ant2	High	2462	-0.58	-44.76	≤ -20.58	PASS
802.11n HT40 SISO	Ant1	Low	2422	-2.69	-36.50	≤ -22.69	PASS
	Ant2	Low	2422	-3.13	-36.39	≤ -23.13	PASS
	Ant1	High	2452	-2.87	-43.13	≤ -22.87	PASS
	Ant2	High	2452	-3.30	-44.61	≤ -23.30	PASS

Conducted Spurious Emission

Test Mode	Antenna	Frequency [MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
802.11b	Ant1	2412	Reference	3.14	3.14	---	PASS
			30~1000	3.14	-55.66	≤-16.86	PASS
			1000~26500	3.14	-42.35	≤-16.86	PASS
	Ant2	2412	Reference	3.83	3.83	---	PASS
			30~1000	3.83	-41.27	≤-16.17	PASS
			1000~26500	3.83	-41.77	≤-16.17	PASS
	Ant1	2437	Reference	3.61	3.61	---	PASS
			30~1000	3.61	-55.57	≤-16.39	PASS
			1000~26500	3.61	-42.24	≤-16.39	PASS
	Ant2	2437	Reference	1.18	1.18	---	PASS
			30~1000	1.18	-55.6	≤-18.82	PASS
			1000~26500	1.18	-42.23	≤-18.82	PASS
802.11g	Ant1	2412	Reference	3.33	3.33	---	PASS
			30~1000	3.33	-55.85	≤-16.67	PASS
			1000~26500	3.33	-42.47	≤-16.67	PASS
	Ant2	2412	Reference	2.98	2.98	---	PASS
			30~1000	2.98	-55.87	≤-17.02	PASS
			1000~26500	2.98	-42.07	≤-17.02	PASS
	Ant1	2437	Reference	0.25	0.25	---	PASS
			30~1000	0.25	-55.54	≤-19.75	PASS
			1000~26500	0.25	-41.94	≤-19.75	PASS
	Ant2	2437	Reference	3.84	3.84	---	PASS
			30~1000	3.84	-54.78	≤-16.16	PASS
			1000~26500	3.84	-42.09	≤-16.16	PASS
	Ant1	2462	Reference	0.16	0.16	---	PASS
			30~1000	0.16	-56.24	≤-19.84	PASS
			1000~26500	0.16	-42.37	≤-19.84	PASS
	Ant2	2462	Reference	-2.51	-2.51	---	PASS
			30~1000	-2.51	-55.86	≤-22.51	PASS
			1000~26500	-2.51	-42.32	≤-22.51	PASS
	Ant1	2437	Reference	-0.38	-0.38	---	PASS
			30~1000	-0.38	-56.65	≤-20.38	PASS
			1000~26500	-0.38	-42.39	≤-20.38	PASS
	Ant2	2462	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-56.49	≤-20.86	PASS
			1000~26500	-0.86	-41.80	≤-20.86	PASS

802.11n HT20 SISO	Ant1	2412	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-55.91	≤ -19.97	PASS
			1000~26500	0.03	-41.51	≤ -19.97	PASS
	Ant2	2412	Reference	-0.38	-0.38	---	PASS
			30~1000	-0.38	-55.66	≤ -20.38	PASS
			1000~26500	-0.38	-42.22	≤ -20.38	PASS
	Ant1	2437	Reference	0.16	0.16	---	PASS
			30~1000	0.16	-55.49	≤ -19.84	PASS
			1000~26500	0.16	-42.39	≤ -19.84	PASS
	Ant2	2437	Reference	-2.62	-2.62	---	PASS
			30~1000	-2.62	-49.96	≤ -22.62	PASS
			1000~26500	-2.62	-41.38	≤ -22.62	PASS
	Ant1	2462	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-55.97	≤ -20.23	PASS
			1000~26500	-0.23	-41.40	≤ -20.23	PASS
802.11n HT40 SISO	Ant1	2422	Reference	-1.98	-1.98	---	PASS
			30~1000	-1.98	-56.14	≤ -21.98	PASS
			1000~26500	-1.98	-41.35	≤ -21.98	PASS
	Ant2	2422	Reference	-3.36	-3.36	---	PASS
			30~1000	-3.36	-56.61	≤ -23.36	PASS
			1000~26500	-3.36	-42.08	≤ -23.36	PASS
	Ant1	2437	Reference	-2.81	-2.81	---	PASS
			30~1000	-2.81	-55.39	≤ -22.81	PASS
			1000~26500	-2.81	-41.65	≤ -22.81	PASS
	Ant2	2437	Reference	-5.79	-5.79	---	PASS
			30~1000	-5.79	-56.15	≤ -25.79	PASS
			1000~26500	-5.79	-41.75	≤ -25.79	PASS
	Ant1	2452	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-55.87	≤ -22.71	PASS
			1000~26500	-2.71	-41.8	≤ -22.71	PASS
	Ant2	2452	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-55.54	≤ -23.73	PASS
			1000~26500	-3.73	-41.93	≤ -23.73	PASS