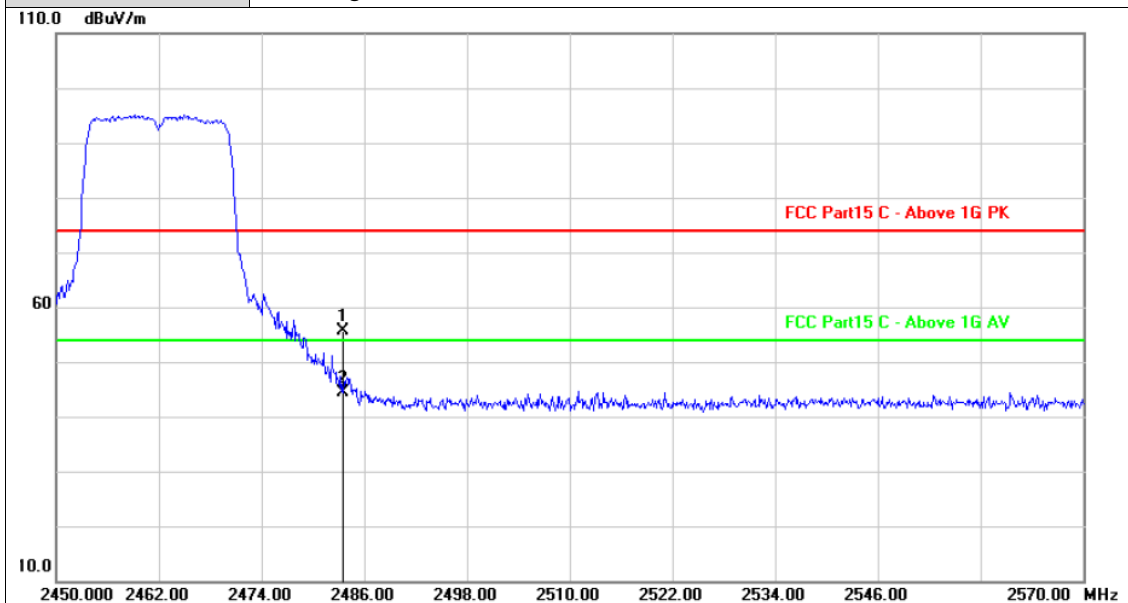




Ant. Pol.	Vertical
Test Mode:	802.11g Mode 2462MHz



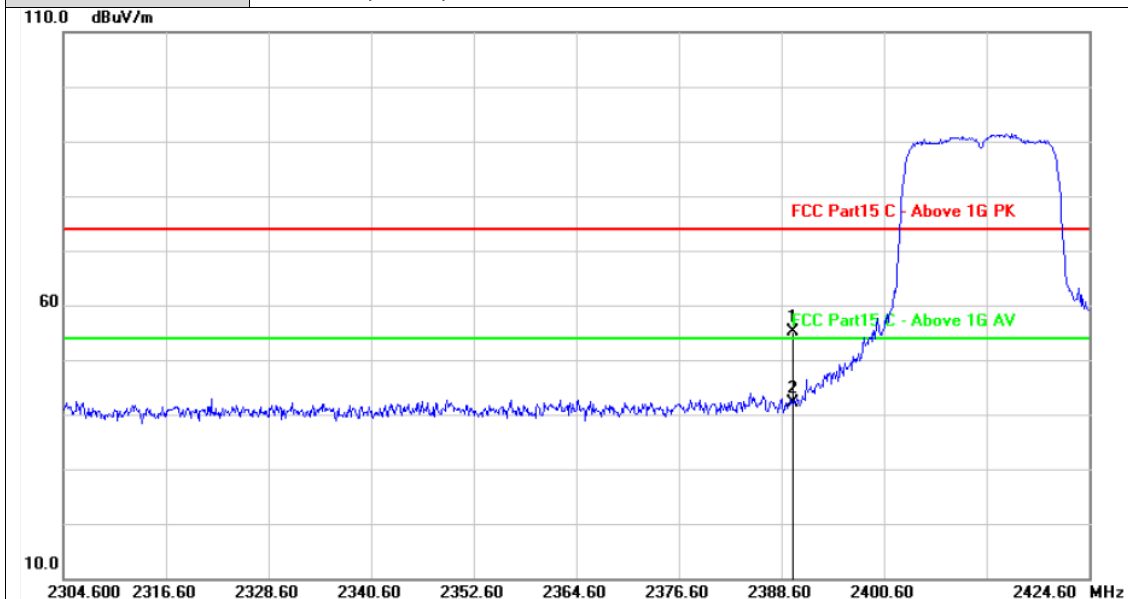
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	31.24	24.42	55.66	74.00	-18.34	peak
2	2483.500	31.24	13.14	44.38	54.00	-9.62	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Ant. Pol.	Horizontal
Test Mode:	802.11n(HT20) Mode 2412MHz



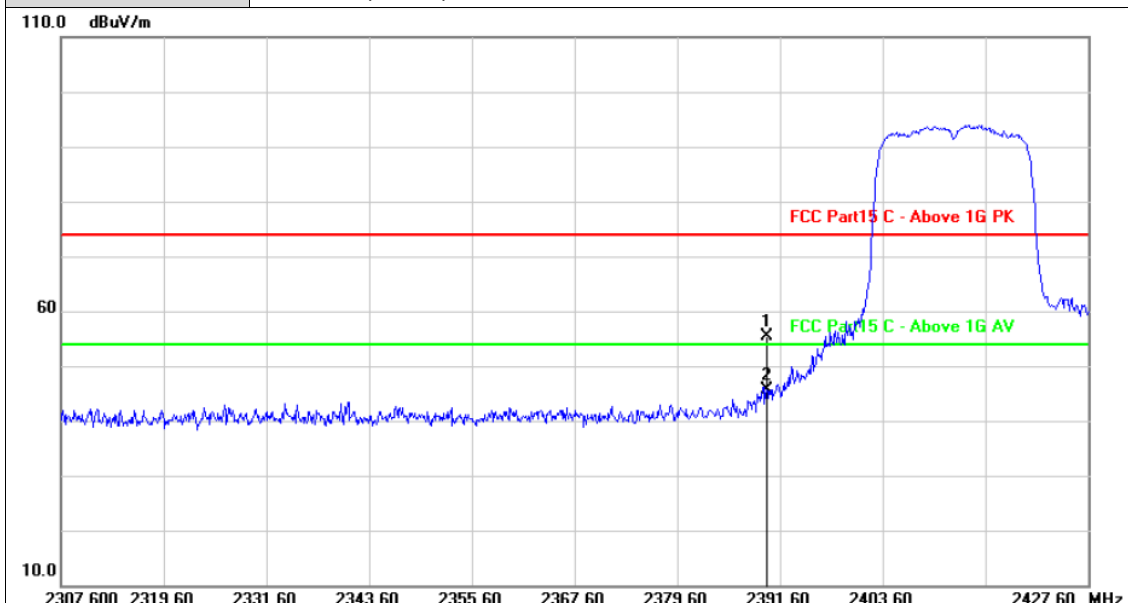
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	30.84	24.32	55.16	74.00	-18.84	peak
2	2390.000	30.84	11.27	42.11	54.00	-11.89	AVG

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	802.11n(HT20) Mode 2412MHz



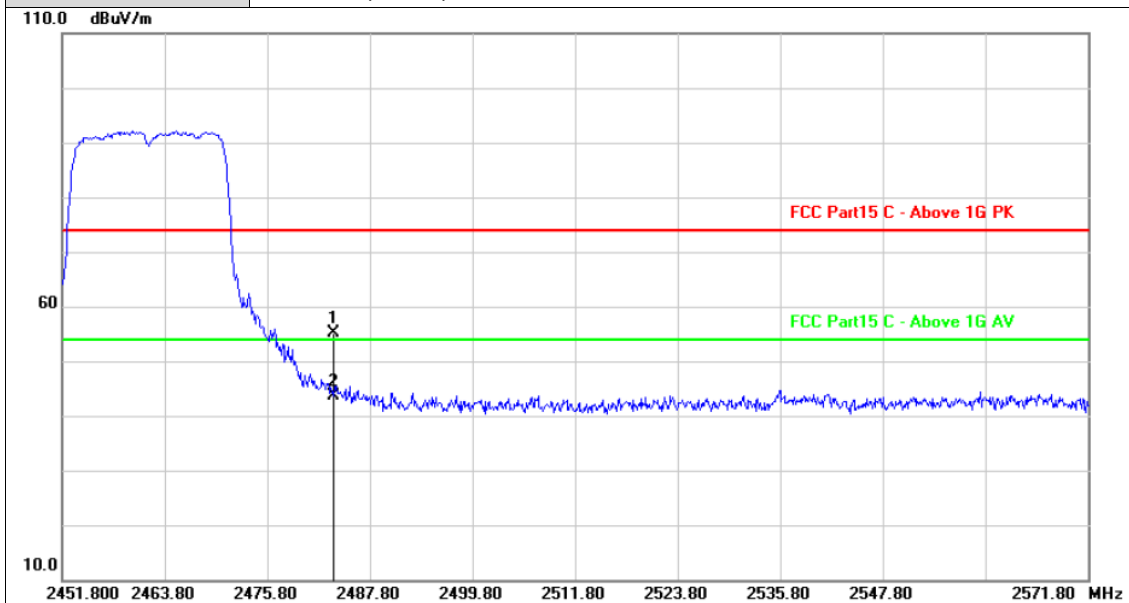
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	30.84	24.62	55.46	74.00	-18.54	peak
2	2390.000	30.84	14.68	45.52	54.00	-8.48	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Ant. Pol.	Horizontal
Test Mode:	802.11n(HT20) Mode 2462MHz



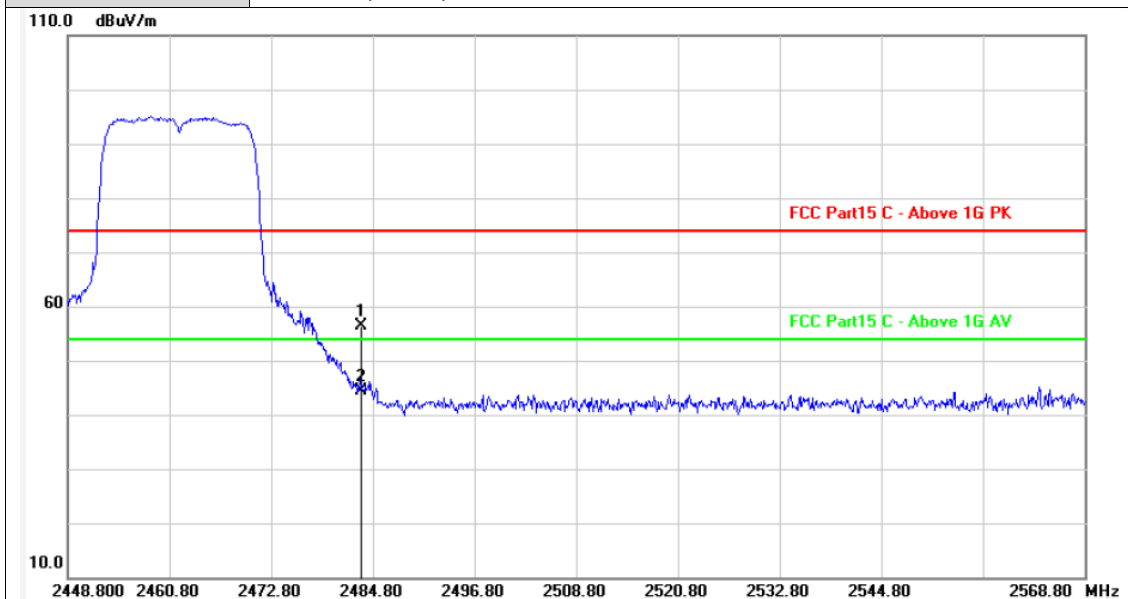
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	31.24	23.89	55.13	74.00	-18.87	peak
2	2483.500	31.24	12.42	43.66	54.00	-10.34	AVG

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	802.11n(HT20) Mode 2462MHz



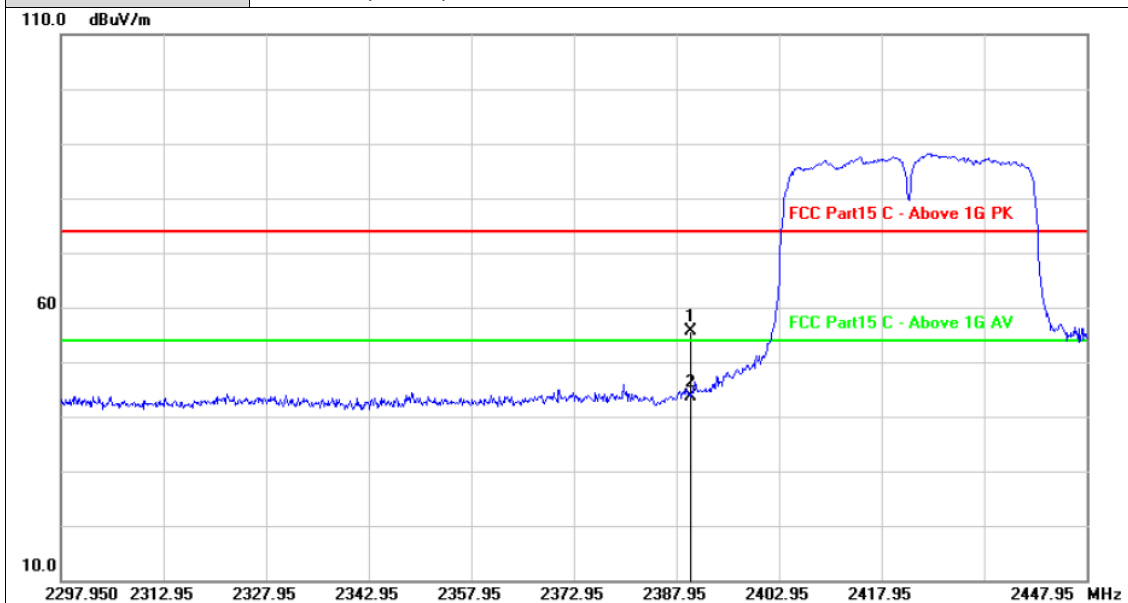
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	31.24	25.22	56.46	74.00	-17.54	peak
2	2483.500	31.24	13.23	44.47	54.00	-9.53	AVG

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant. Pol.	Horizontal
Test Mode:	802.11n(HT40) Mode 2422MHz



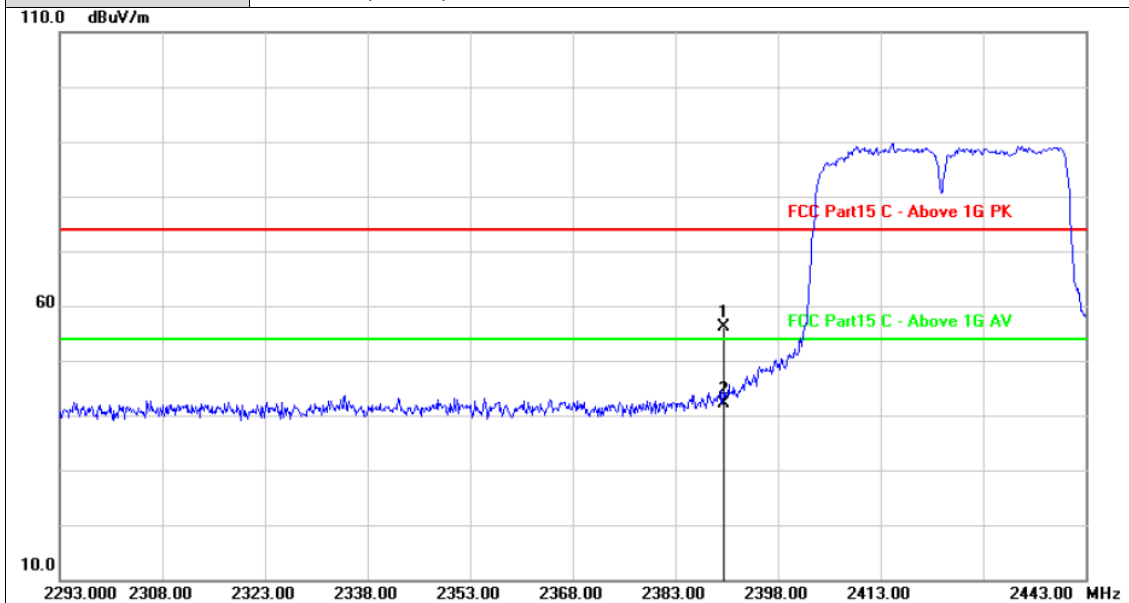
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	30.84	24.82	55.66	74.00	-18.34	peak
2	2390.000	30.84	12.85	43.69	54.00	-10.31	AVG

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	802.11n(HT40) Mode 2422MHz



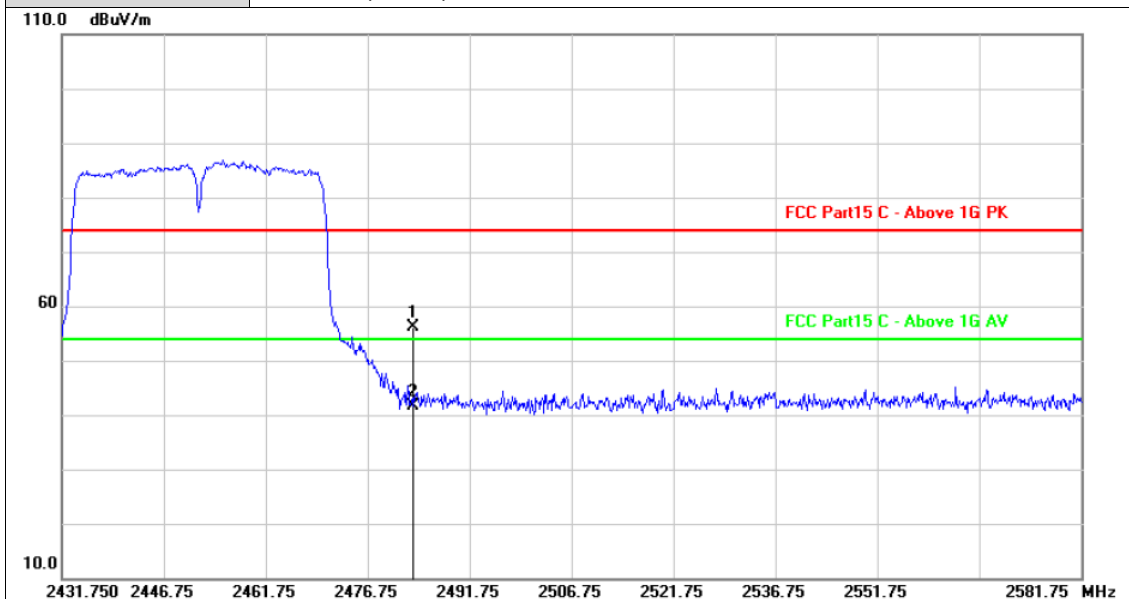
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	30.84	25.39	56.23	74.00	-17.77	peak
2	2390.000	30.84	11.23	42.07	54.00	-11.93	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Ant. Pol.	Horizontal
Test Mode:	802.11n(HT40) Mode 2452MHz



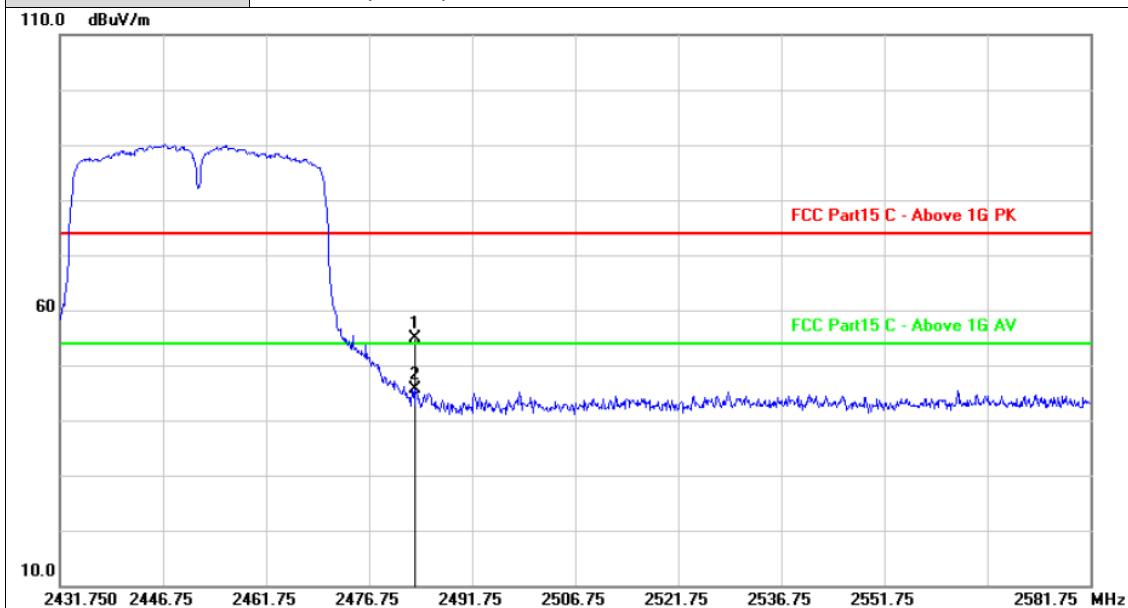
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	31.24	24.77	56.01	74.00	-17.99	peak
2	2483.500	31.24	10.40	41.64	54.00	-12.36	AVG

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	802.11n(HT40) Mode 2452MHz



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	31.24	23.67	54.91	74.00	-19.09	peak
2	2483.500	31.24	14.27	45.51	54.00	-8.49	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value

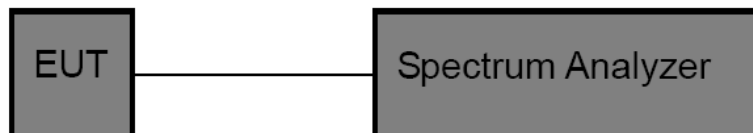


3.4. Band edge and Spurious Emissions (Conducted)

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.

Test Configuration



Test Procedure

1. The transmitter output was connected to the spectrum analyzer through an 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. Use the following spectrum analyzer settings:
RBW = 100 kHz, VBW \geq RBW, scan up through 10th harmonic.
Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

Test Mode

Please refer to the clause 2.4.

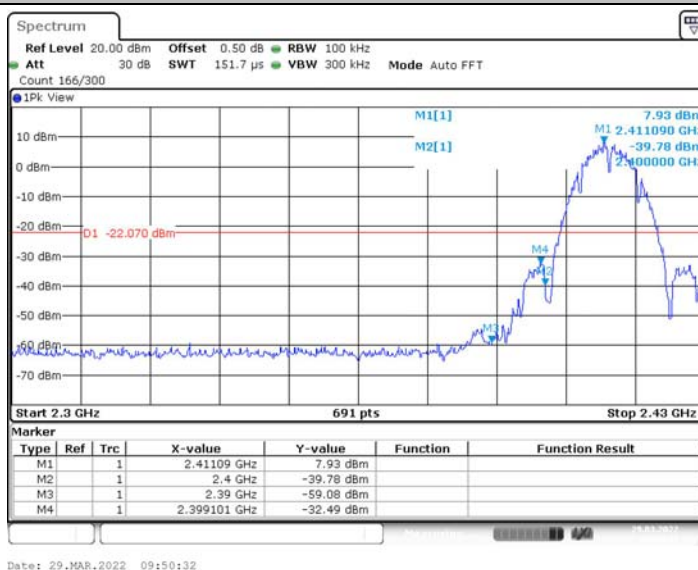
Test Results



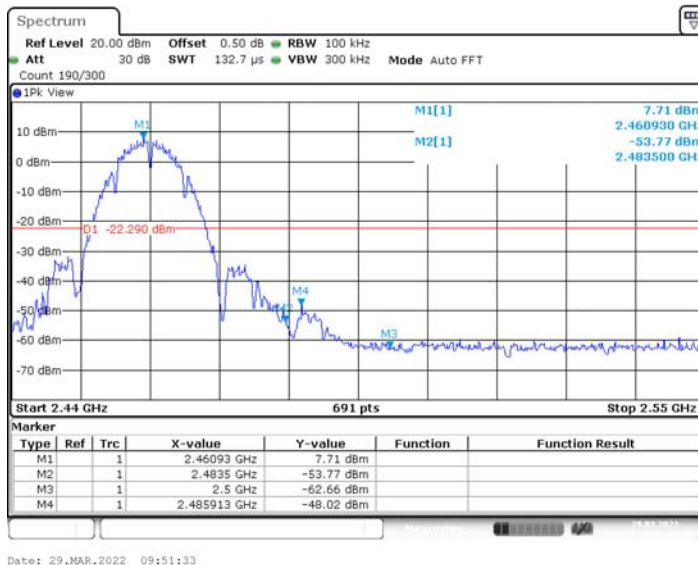
(1) Band edge Conducted Test

Test Mode	Test Frequency	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
802.11b	2412	7.93	-32.49	≤-22.07	PASS
	2462	7.71	-48.02	≤-22.29	PASS
802.11g	2412	1.21	-36.39	≤-28.79	PASS
	2462	5.43	-39.42	≤-24.57	PASS
802.11n(HT20)	2412	1.26	-38.71	≤-28.74	PASS
	2462	2.66	-40.30	≤-27.34	PASS
802.11n(HT40)	2422	-1.69	-36.36	≤-31.69	PASS
	2452	0.15	-36.11	≤-29.85	PASS

802.11b_Low_2412

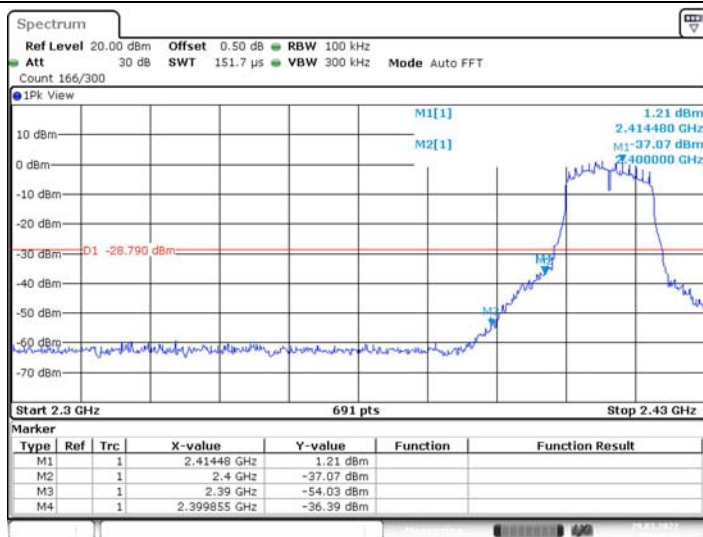


802.11b_High_2462



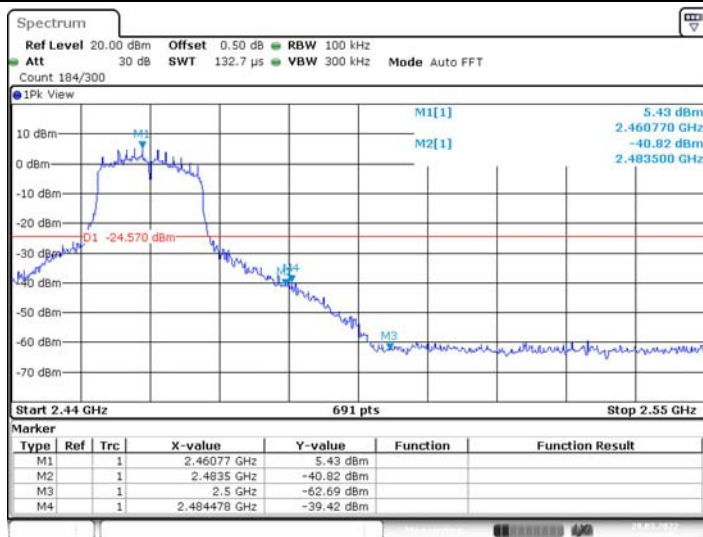
802.11g_Low_2412





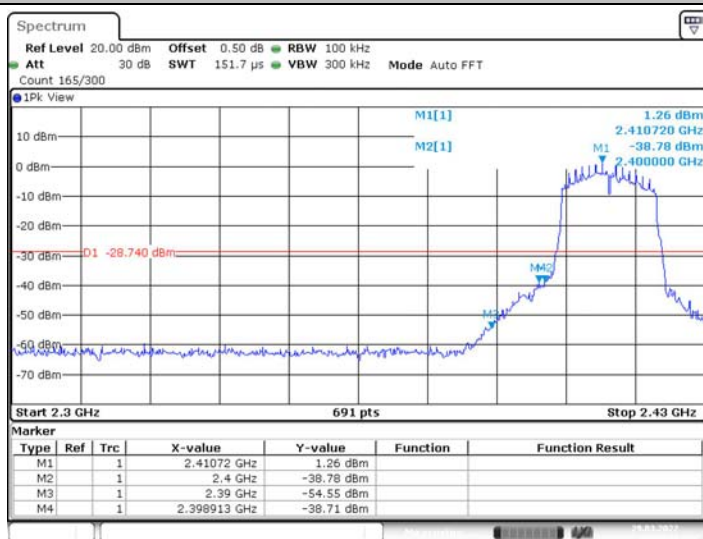
Date: 29.MAR.2022 09:54:54

802.11g_High_2462



Date: 29.MAR.2022 09:57:08

802.11n(HT20)_Low_2412



Date: 29.MAR.2022 09:58:49

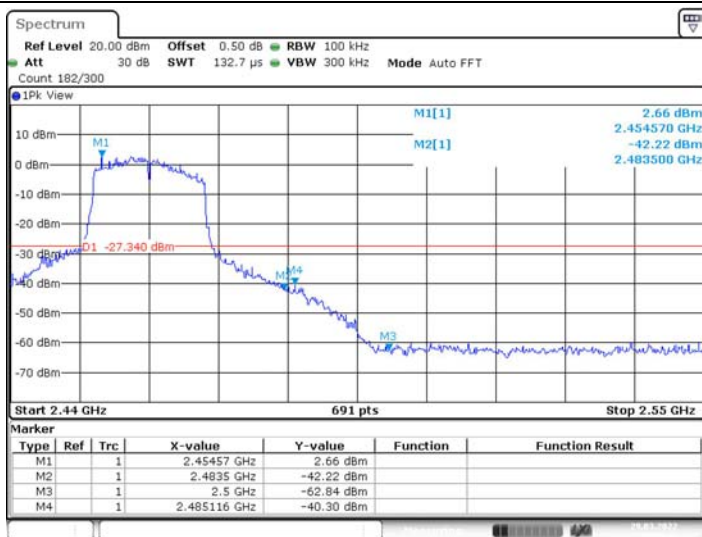
802.11n(HT20)_High_2462

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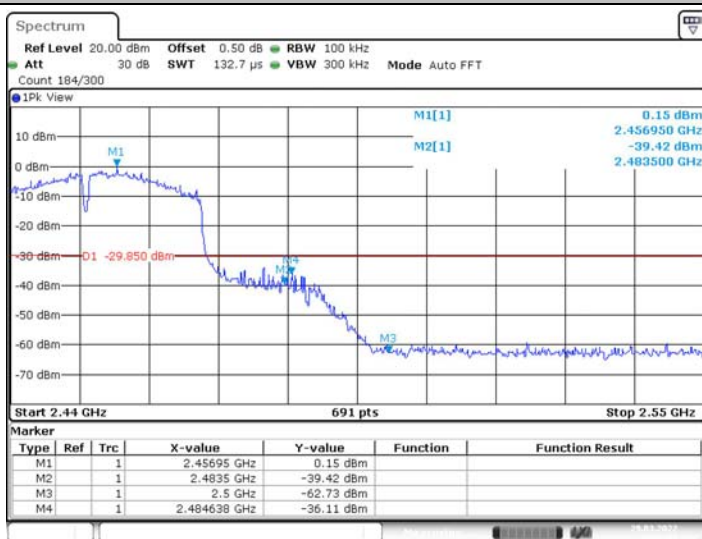
Date: 29.MAR.2022 10:00:16

802.11n(HT40)_Low_2422



Date: 29.MAR.2022 10:01:44

802.11n(HT40)_High_2452



Date: 29.MAR.2022 10:02:38

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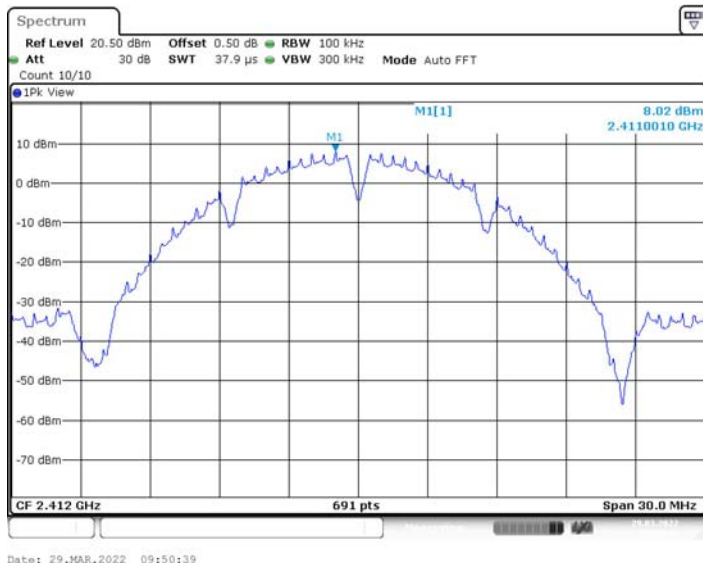


(2) Conducted Spurious Emissions Test

Test Mode	Test Frequency	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
802.11b	2412	Reference	8.02	8.02	---	PASS
		30~1000	8.02	-70.79	≤-11.98	PASS
		1000~26500	8.02	-43.1	≤-11.98	PASS
	2437	Reference	5.73	5.73	---	PASS
		30~1000	5.73	-71.4	≤-14.27	PASS
		1000~26500	5.73	-43.23	≤-14.27	PASS
	2462	Reference	7.72	7.72	---	PASS
		30~1000	7.72	-63.2	≤-12.28	PASS
		1000~26500	7.72	-38.09	≤-12.28	PASS
802.11g	2412	Reference	2.48	2.48	---	PASS
		30~1000	2.48	-71.43	≤-17.52	PASS
		1000~26500	2.48	-41.18	≤-17.52	PASS
	2437	Reference	2.90	2.90	---	PASS
		30~1000	2.90	-70.38	≤-17.1	PASS
		1000~26500	2.90	-42.9	≤-17.1	PASS
	2462	Reference	5.35	5.35	---	PASS
		30~1000	5.35	-71	≤-14.65	PASS
		1000~26500	5.35	-43.55	≤-14.65	PASS
802.11n(HT20)	2412	Reference	0.90	0.90	---	PASS
		30~1000	0.90	-70.61	≤-19.1	PASS
		1000~26500	0.90	-43.19	≤-19.1	PASS
	2437	Reference	0.62	0.62	---	PASS
		30~1000	0.62	-70.04	≤-19.38	PASS
		1000~26500	0.62	-42.71	≤-19.38	PASS
	2462	Reference	5.62	5.62	---	PASS
		30~1000	5.62	-53.48	≤-14.38	PASS
		1000~26500	5.62	-43.02	≤-14.38	PASS
802.11n(HT40)	2422	Reference	-3.16	-3.16	---	PASS
		30~1000	-3.16	-70.74	≤-23.16	PASS
		1000~26500	-3.16	-43.09	≤-23.16	PASS
	2437	Reference	0.47	0.47	---	PASS
		30~1000	0.47	-69.82	≤-19.53	PASS
		1000~26500	0.47	-43.72	≤-19.53	PASS
	2452	Reference	1.59	1.59	---	PASS
		30~1000	1.59	-71.05	≤-18.41	PASS
		1000~26500	1.59	-43.27	≤-18.41	PASS

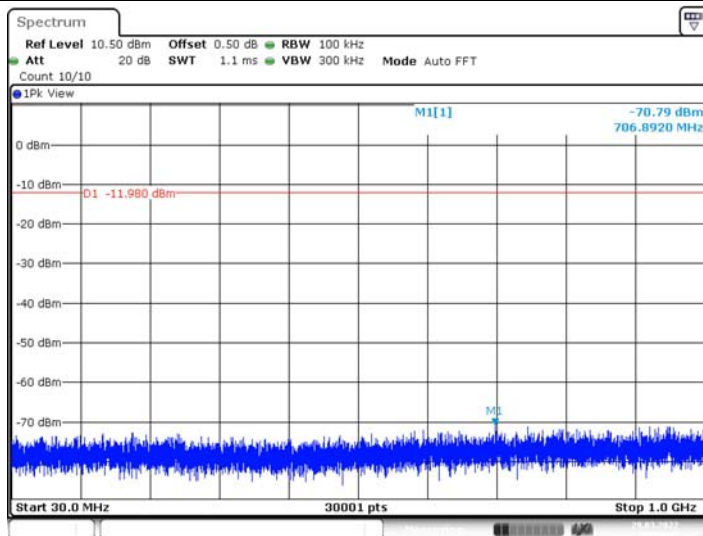


802.11b_2412_0~Reference



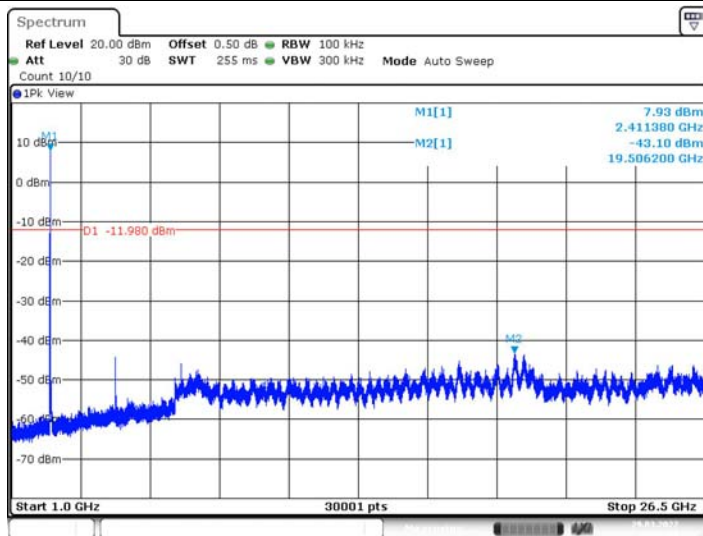
Date: 29.MAR.2022 09:50:39

802.11b_2412_30~1000



Date: 29.MAR.2022 09:50:45

802.11b_2412_1000~26500



Date: 29.MAR.2022 09:51:08

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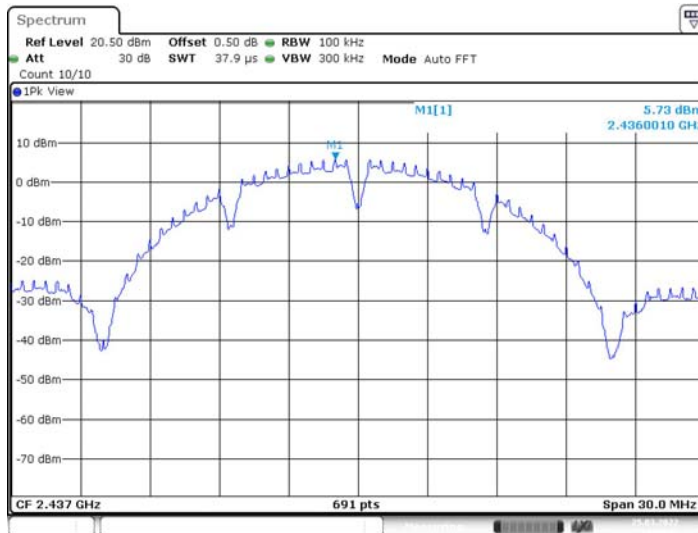
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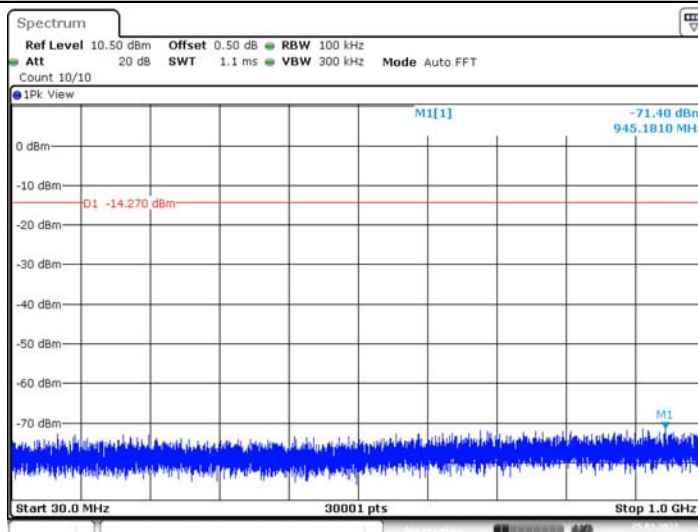


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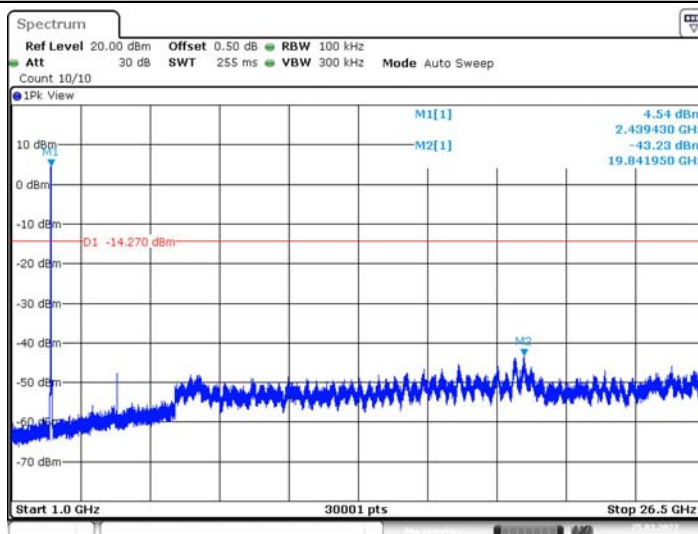
Date: 25.MAR.2022 14:49:39

802.11b_2437_30~1000



Date: 25.MAR.2022 14:49:45

802.11b_2437_1000~26500



Date: 25.MAR.2022 14:50:08

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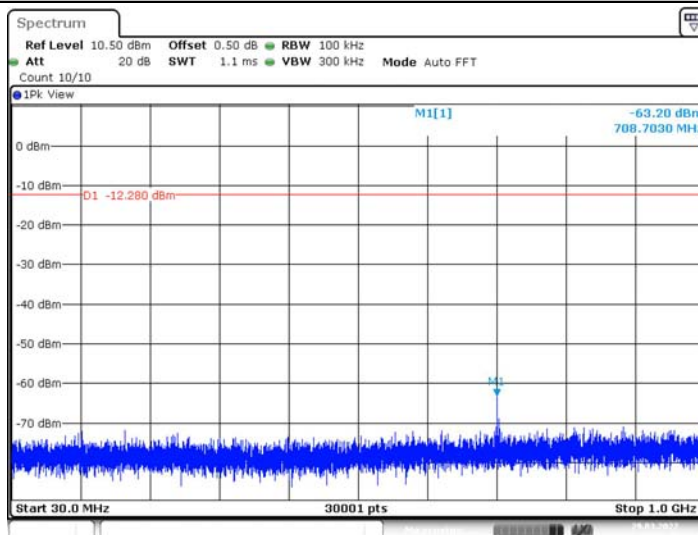


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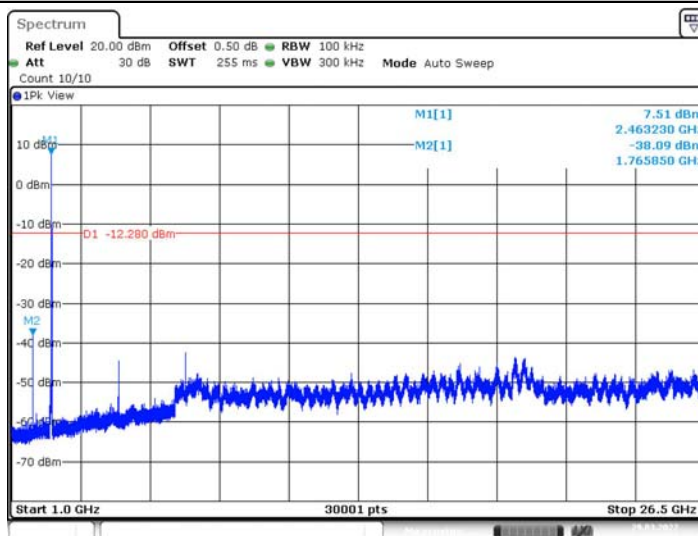
Date: 29.MAR.2022 09:51:40

802.11b_2462_30~1000



Date: 29.MAR.2022 09:51:46

802.11b_2462_1000~26500



Date: 29.MAR.2022 09:52:09

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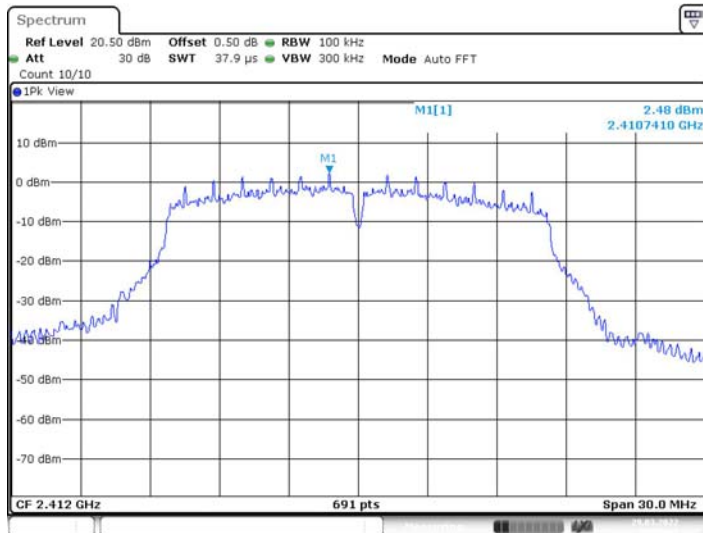
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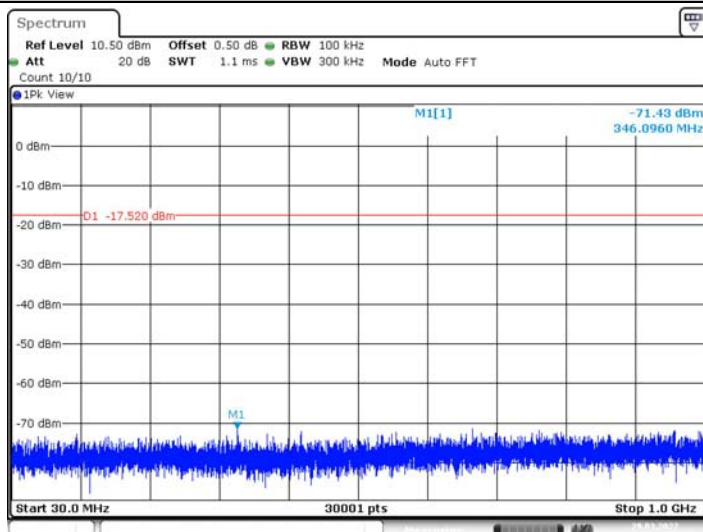


802.11g_2412_0~Reference



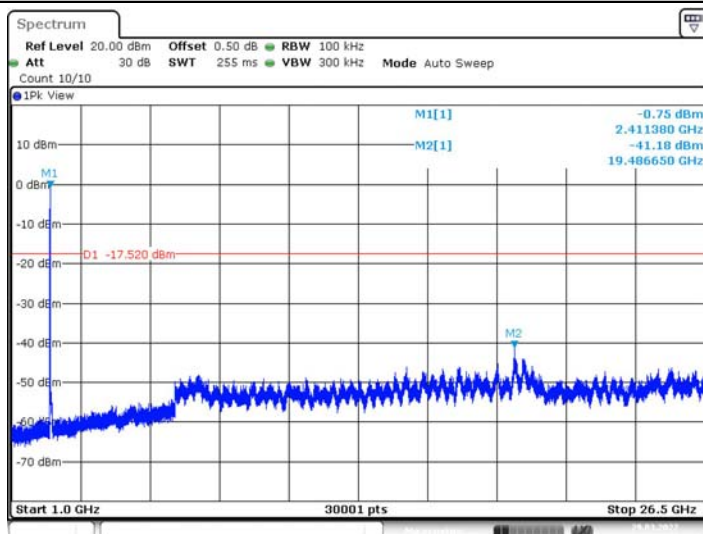
Date: 29.MAR.2022 09:55:01

802.11g_2412_30~1000



Date: 29.MAR.2022 09:55:06

802.11g_2412_1000~26500



Date: 29.MAR.2022 09:55:29

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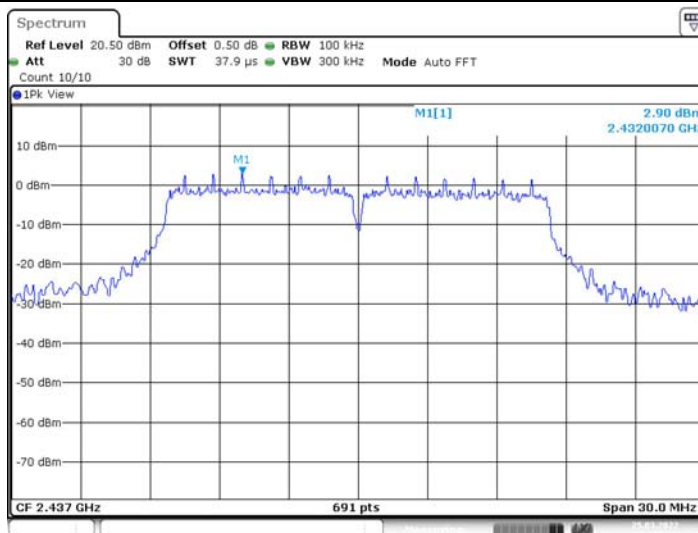
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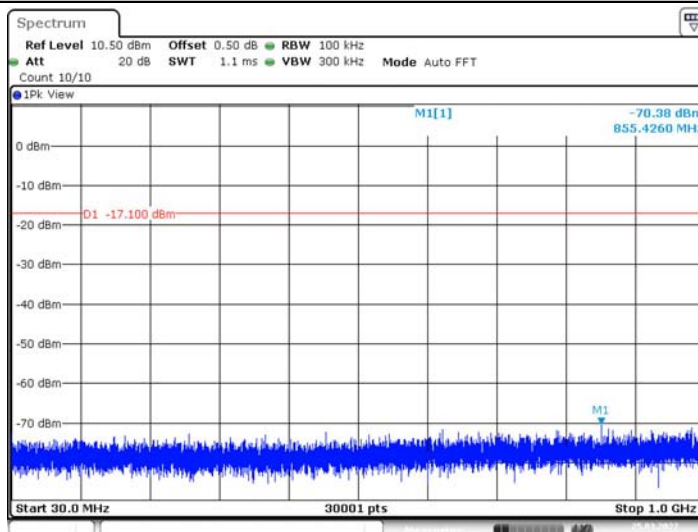


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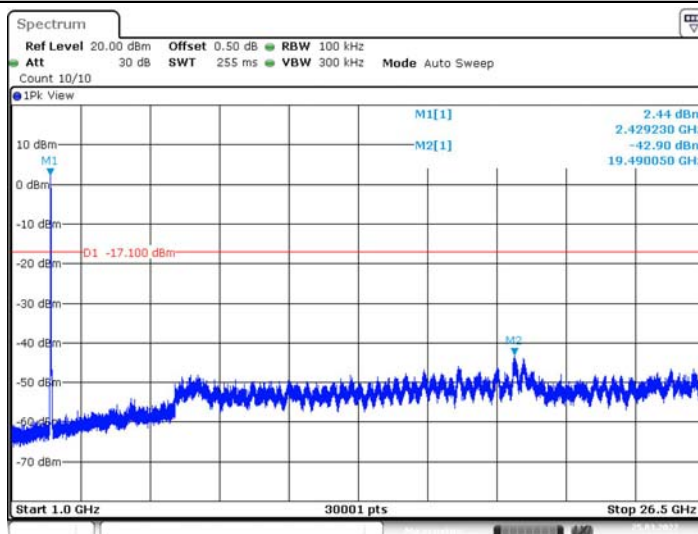
Date: 25.MAR.2022 14:55:31

802.11g_2437_30~1000



Date: 25.MAR.2022 14:55:37

802.11g_2437_1000~26500



Date: 25.MAR.2022 14:56:00

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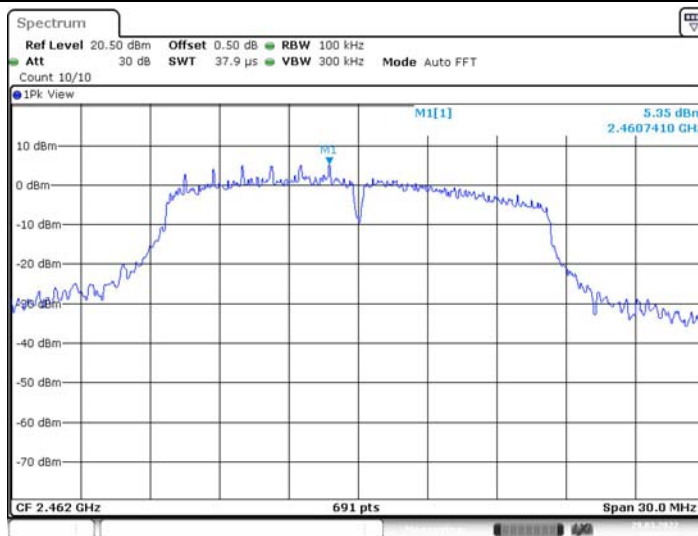
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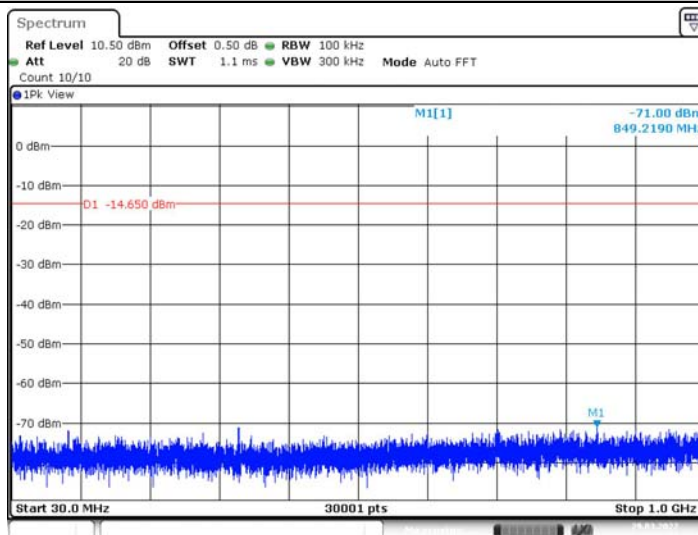


802.11g_2462_0~Reference



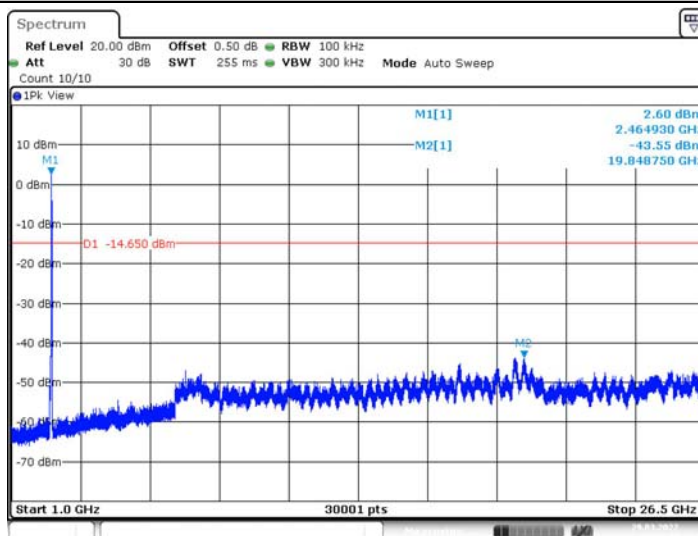
Date: 29.MAR.2022 09:57:15

802.11g_2462_30~1000



Date: 29.MAR.2022 09:57:20

802.11g_2462_1000~26500



Date: 29.MAR.2022 09:57:44

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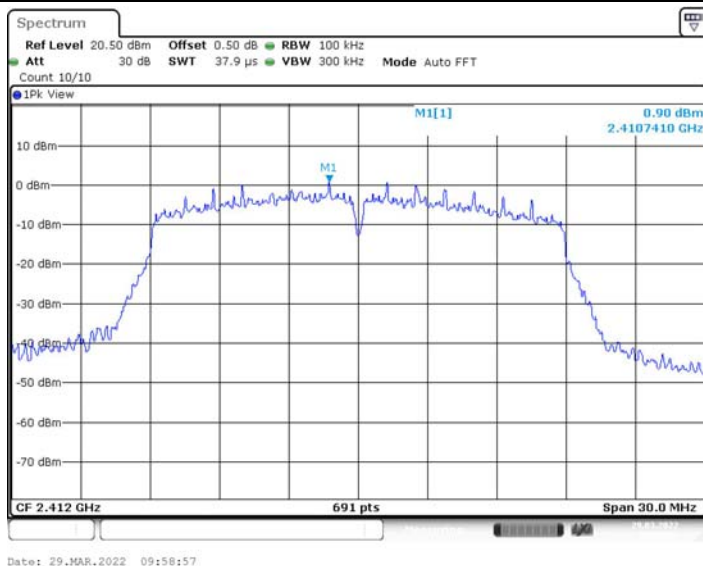
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
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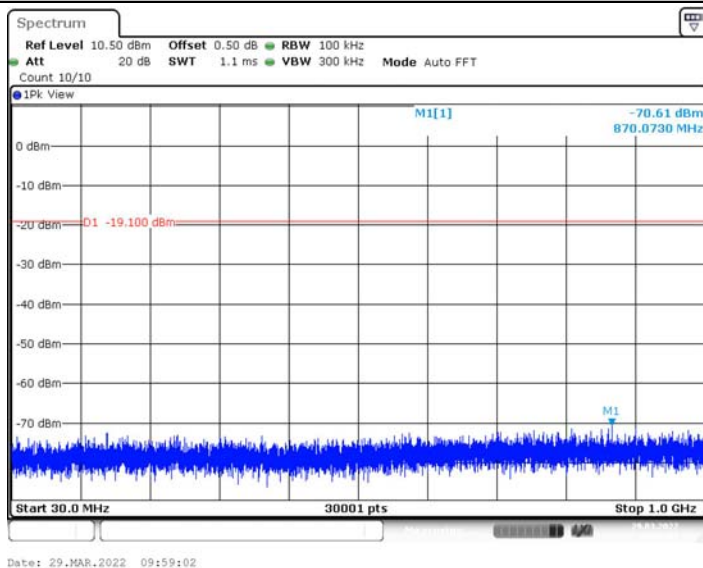
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China: yz.cnca.cn



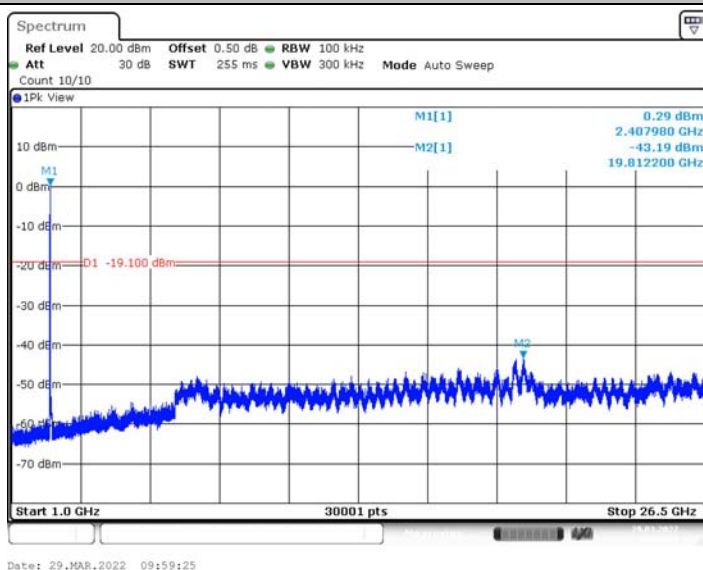
802.11n(HT20)_2412_0~Reference



802.11n(HT20)_2412_30~1000



802.11n(HT20)_2412_1000~26500



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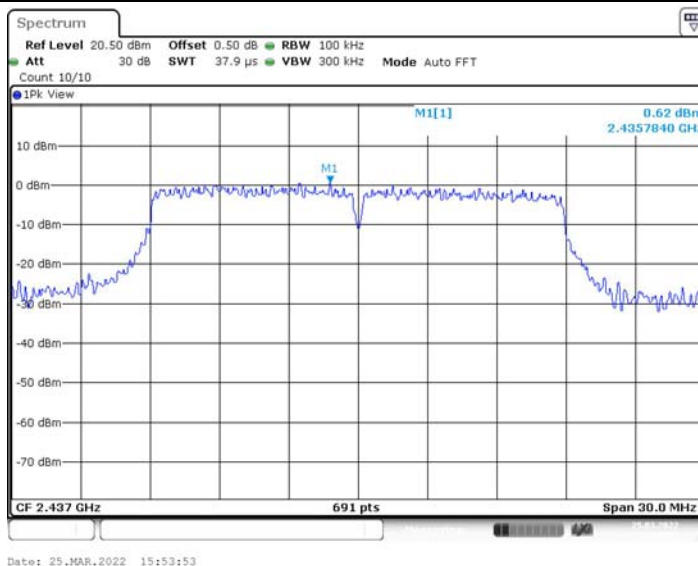
Http://www.sz-ctc.org.cn



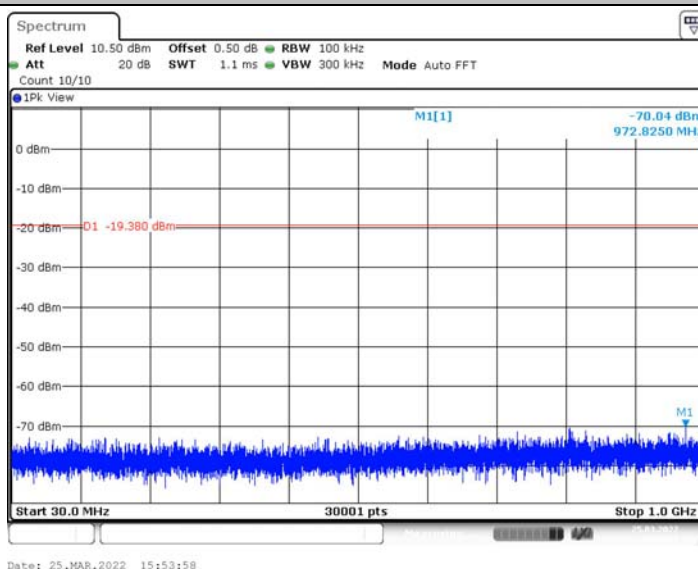
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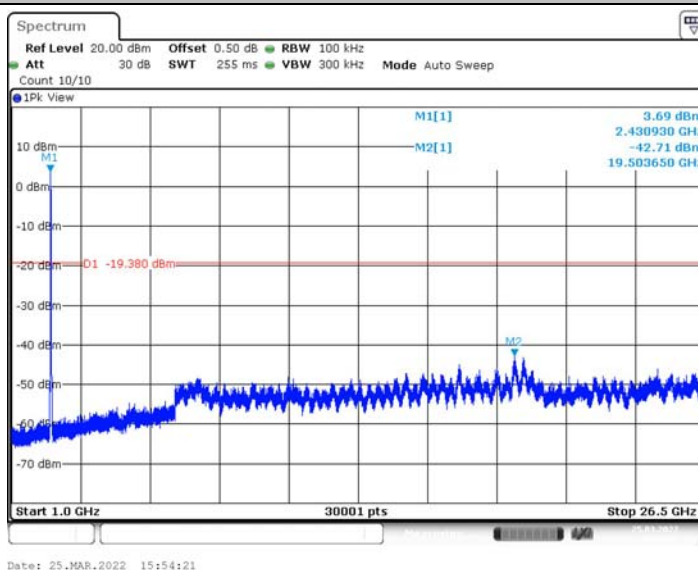
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802.11n(HT20)_2437_30~1000



802.11n(HT20)_2437_1000~26500



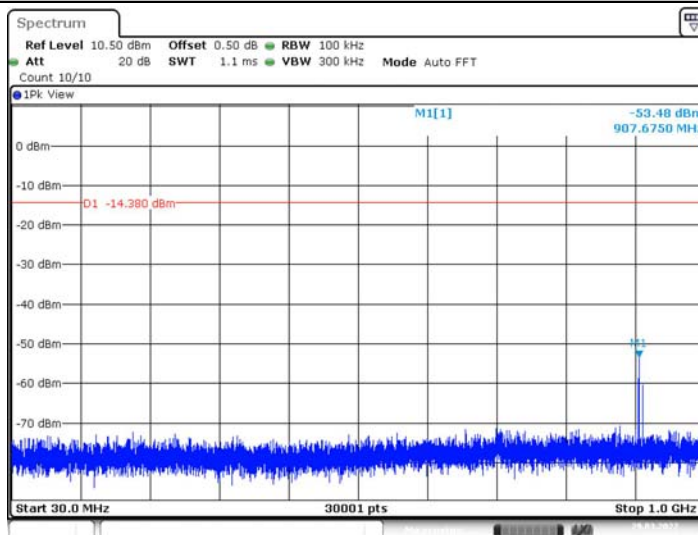


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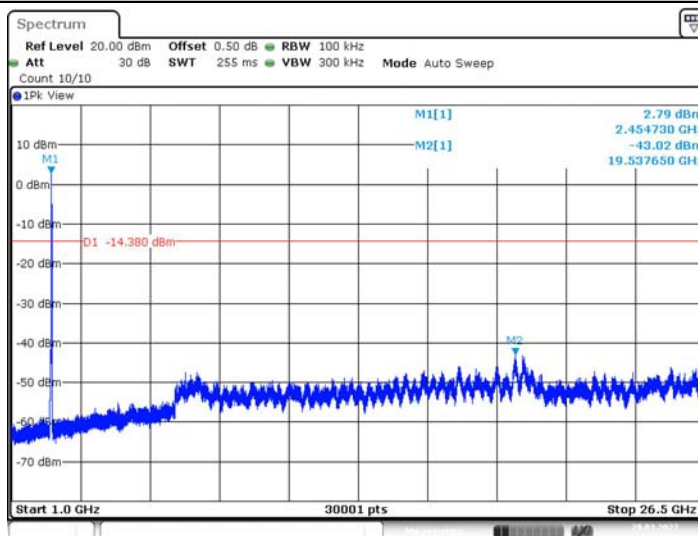
Date: 29.MAR.2022 10:00:23

802.11n(HT20)_2462_30~1000



Date: 29.MAR.2022 10:00:29

802.11n(HT20)_2462_1000~26500



Date: 29.MAR.2022 10:00:52

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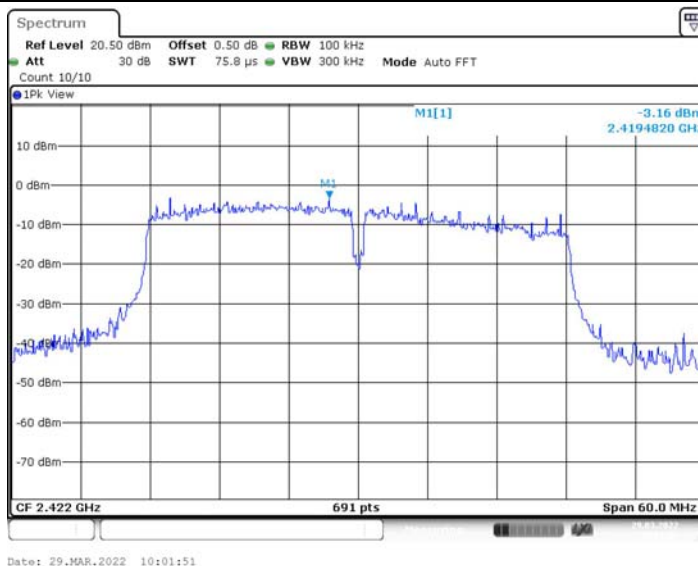
Http://www.sz-ctc.org.cn



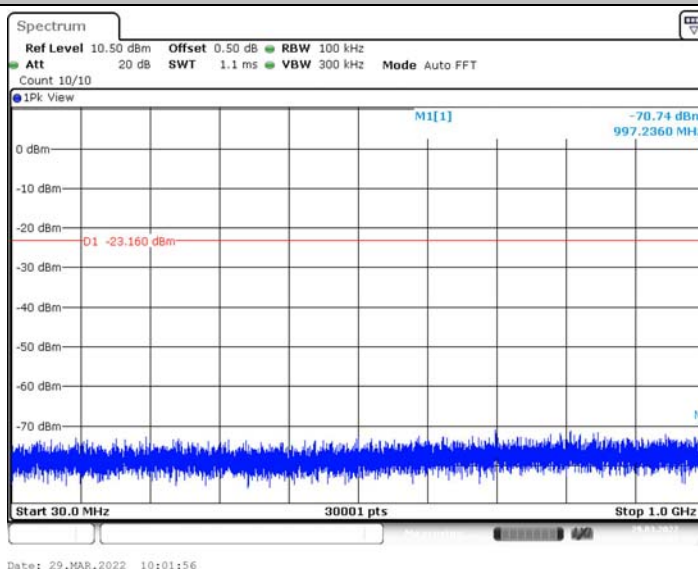
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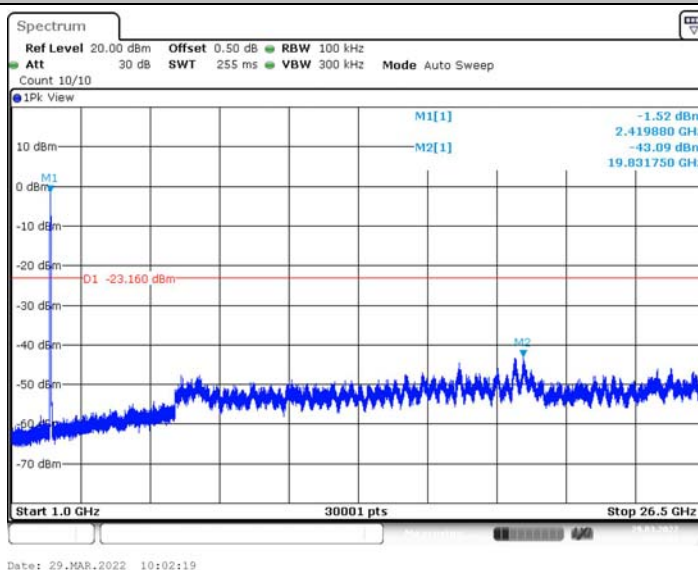
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802.11n(HT40)_2422_30~1000

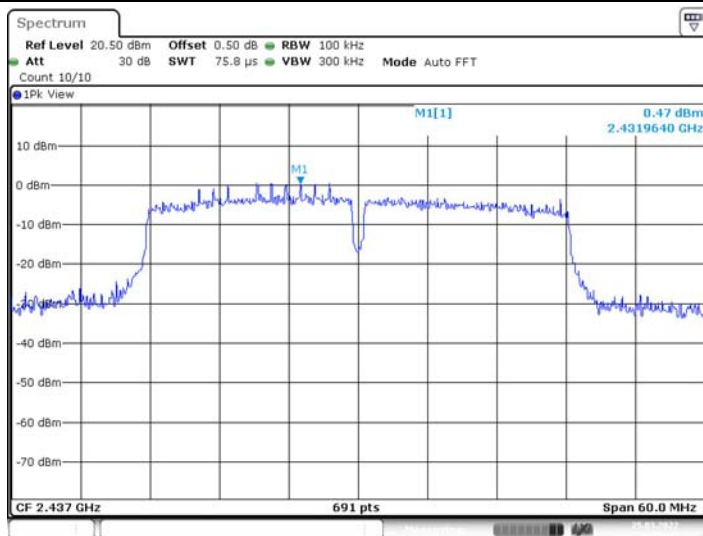


802.11n(HT40)_2422_1000~26500



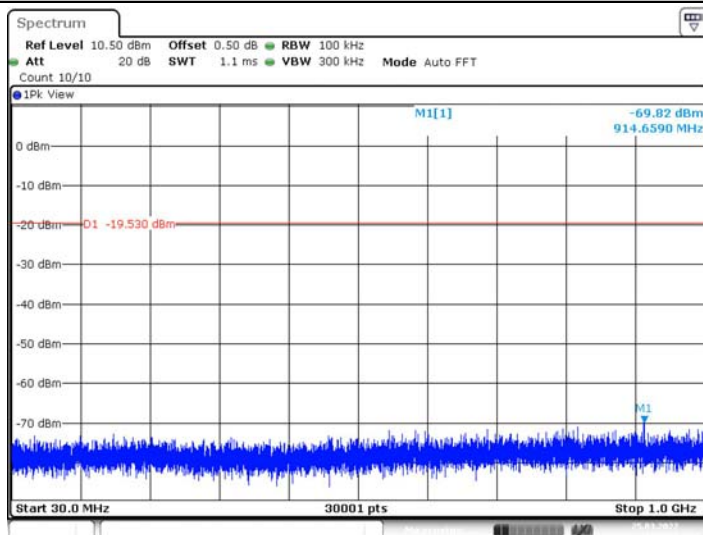


802.11n(HT40)_2437_0~Reference



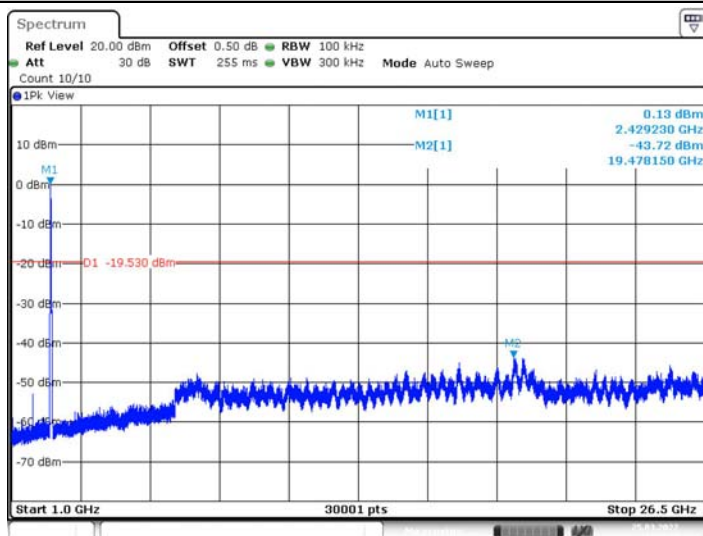
Date: 25.MAR.2022 16:00:15

802.11n(HT40)_2437_30~1000



Date: 25.MAR.2022 16:00:21

802.11n(HT40)_2437_1000~26500



Date: 25.MAR.2022 16:00:44

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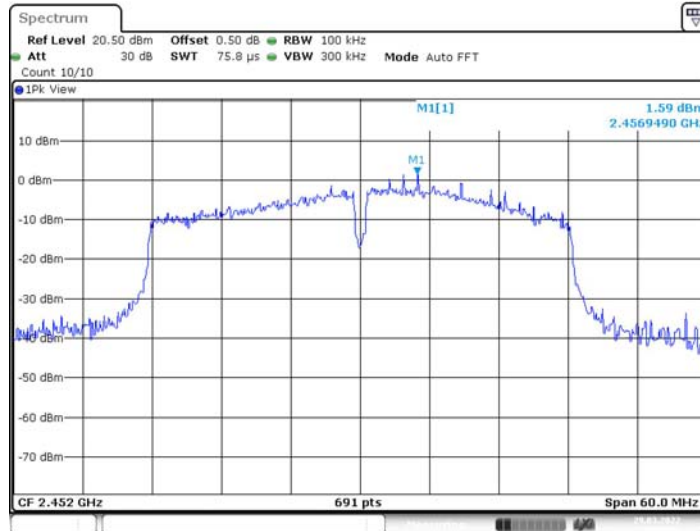
Http://www.sz-ctc.org.cn



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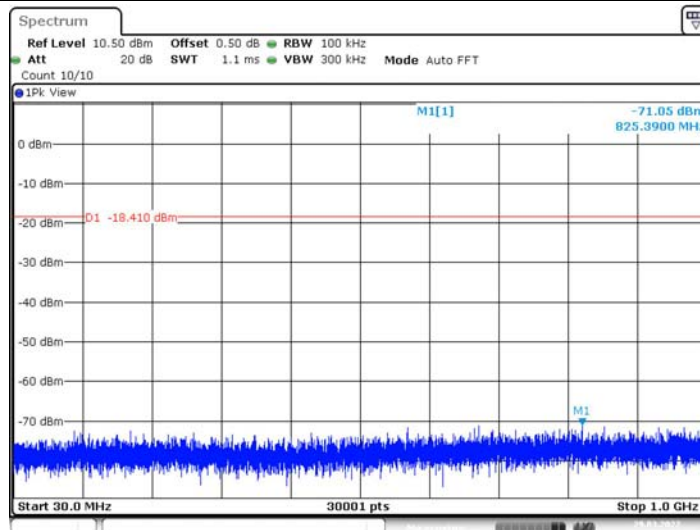


802.11n(HT40)_2452_0~Reference



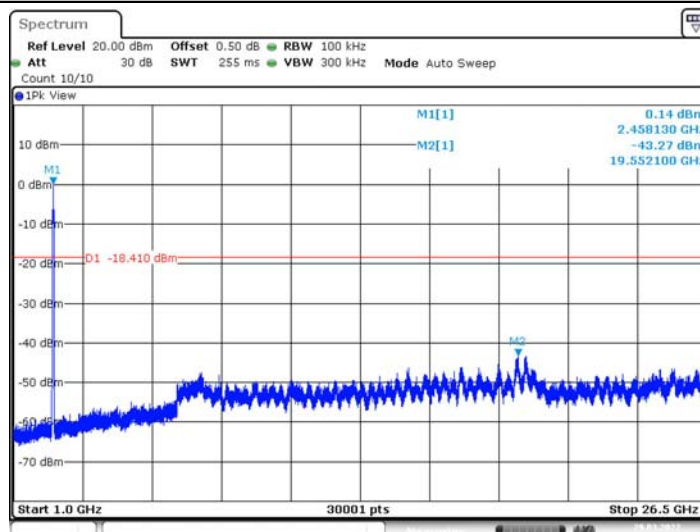
Date: 29.MAR.2022 10:02:45

802.11n(HT40)_2452_30~1000



Date: 29.MAR.2022 10:02:51

802.11n(HT40)_2452_1000~26500



Date: 29.MAR.2022 10:03:14

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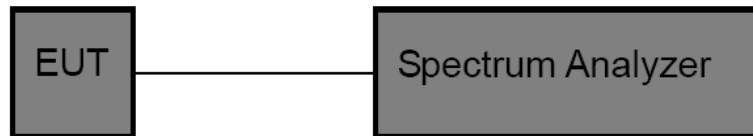
3.5. DTS Bandwidth

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2)/ RSS-247 5.2 a:

Test Item	Limit	Frequency Range(MHz)
DTS Bandwidth	≥ 500 KHz (6dB bandwidth)	2400~2483.5

Test Configuration



Test Procedure

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- DTS Spectrum Setting:
 - Set RBW = 100 kHz.
 - Set the video bandwidth (VBW) ≥ 3 RBW.
 - Detector = Peak.
 - Trace mode = Max hold.
 - Sweep = Auto couple.
- OCB Spectrum Setting:
 - Set RBW = 1% ~ 5% occupied bandwidth.
 - Set the video bandwidth (VBW) ≥ 3 RBW.
 - Detector = Peak.
 - Trace mode = Max hold.
 - Sweep = Auto couple.

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

Test Mode

Please refer to the clause 2.4.



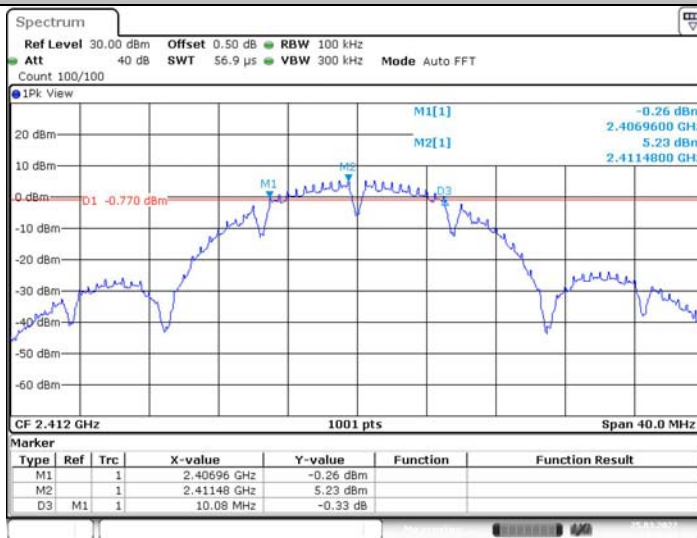
Test Results

Test Mode	Channel	DTS BW [MHz]	OCB [MHz]	Limit [MHz]	Verdict
802.11b	2412	10.08	15.624	≥ 0.5	PASS
	2437	9.56	15.305	≥ 0.5	PASS
	2462	10.08	15.624	≥ 0.5	PASS
802.11g	2412	16.32	18.062	≥ 0.5	PASS
	2437	16.32	17.702	≥ 0.5	PASS
	2462	16.32	18.102	≥ 0.5	PASS
802.11n(HT20)	2412	17.76	18.821	≥ 0.5	PASS
	2437	17.68	18.701	≥ 0.5	PASS
	2462	17.60	18.941	≥ 0.5	PASS
802.11n(HT40)	2422	35.12	36.364	≥ 0.5	PASS
	2437	35.28	36.683	≥ 0.5	PASS
	2452	35.04	36.603	≥ 0.5	PASS



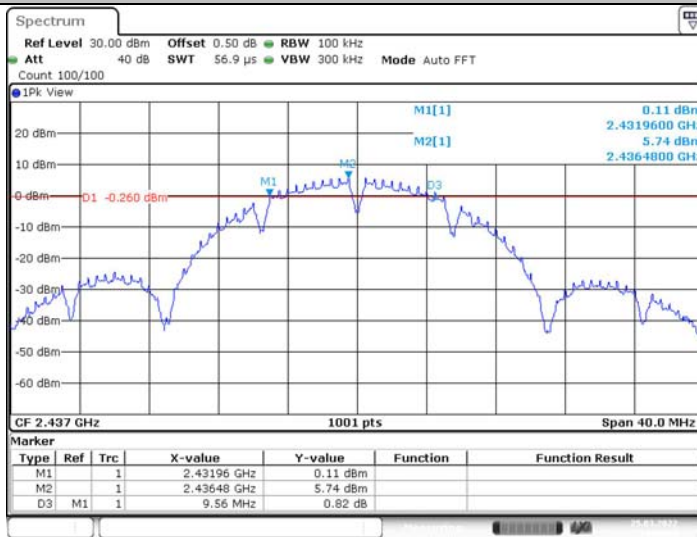
DTS Bandwidth

802.11b_2412



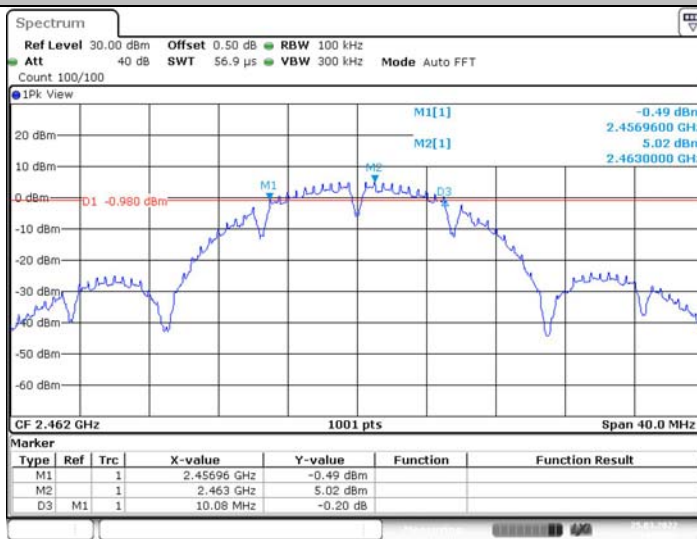
Date: 25.MAR.2022 14:46:16

802.11b_2437



Date: 25.MAR.2022 14:49:04

802.11b_2462



Date: 25.MAR.2022 14:50:55

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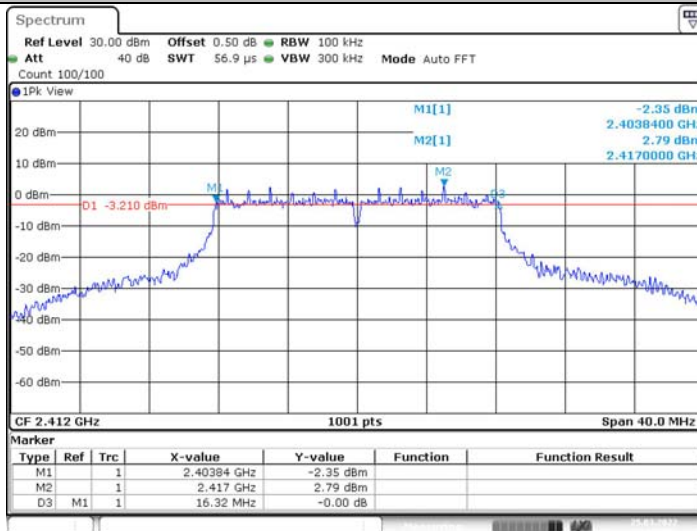
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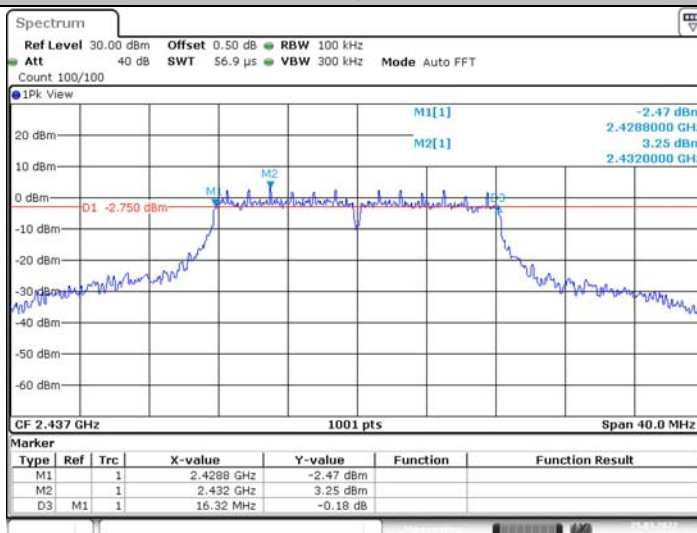


802.11g_2412



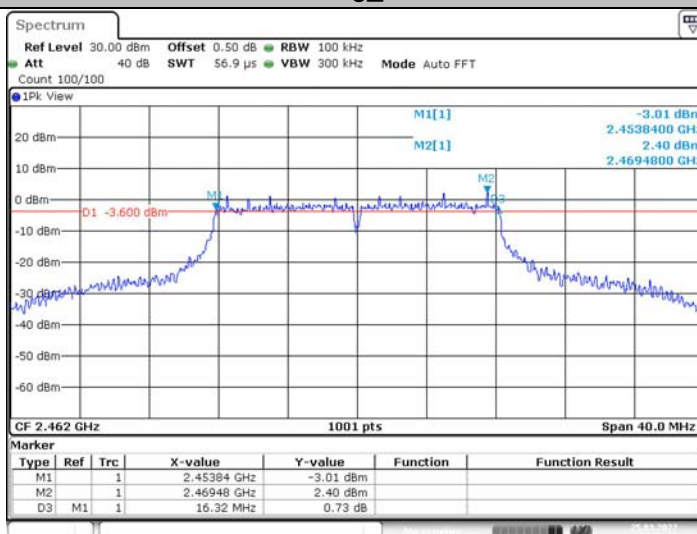
Date: 25.MAR.2022 14:52:19

802.11g_2437



Date: 25.MAR.2022 14:54:16

802.11g_2462



Date: 25.MAR.2022 14:56:40

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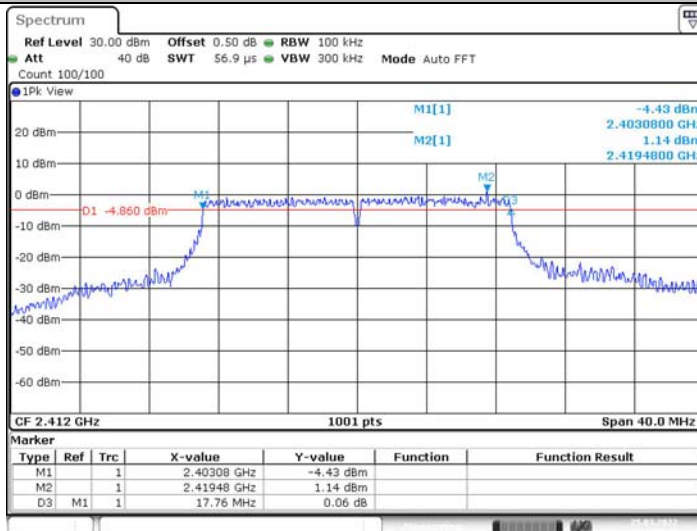
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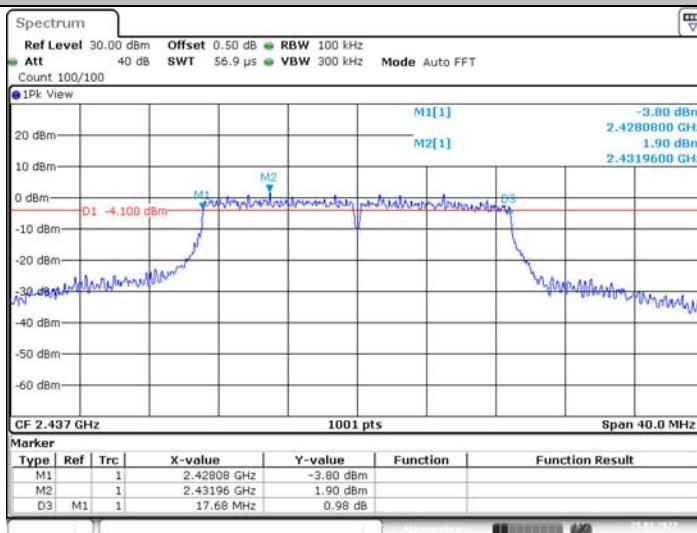


802.11n(HT20)_2412



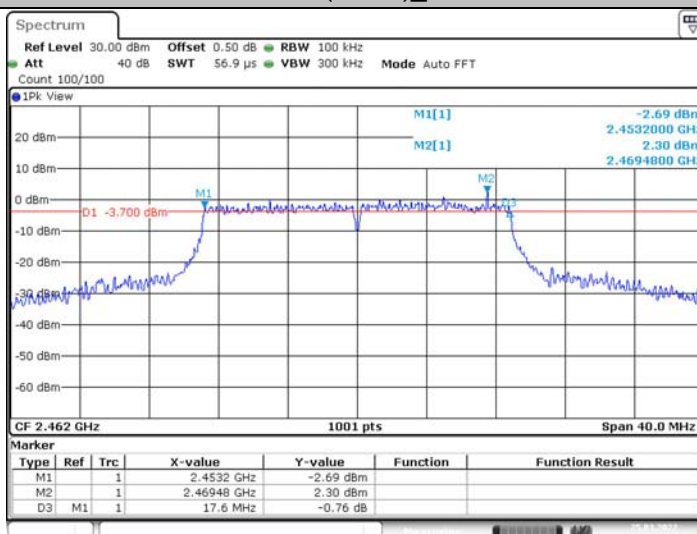
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802.11n(HT20)_2437



Date: 25.MAR.2022 15:53:18

802.11n(HT20)_2462



Date: 25.MAR.2022 15:55:06

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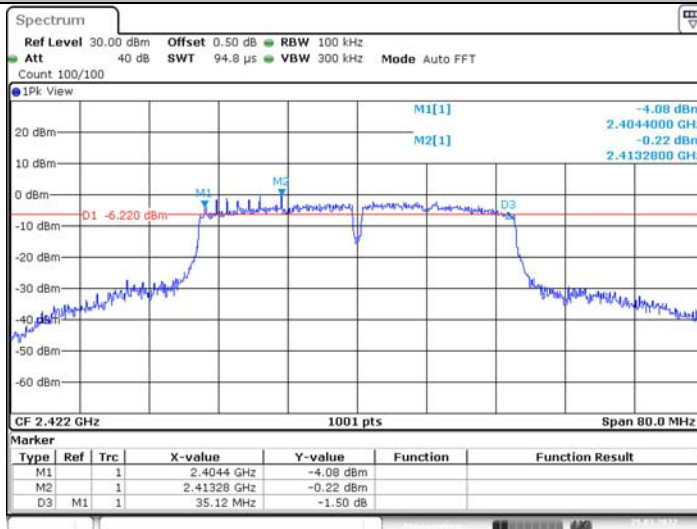
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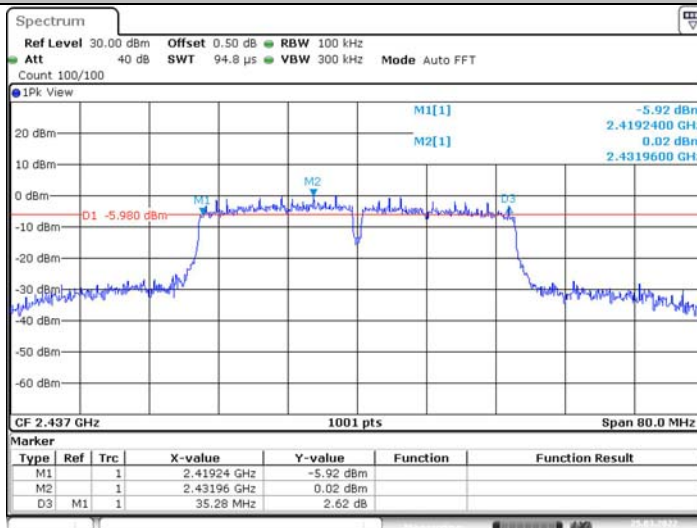


802.11n(HT40)_2422



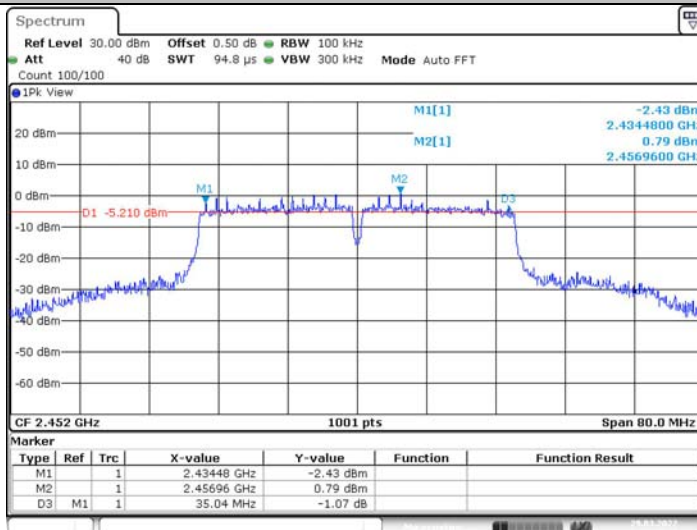
Date: 25.MAR.2022 15:57:26

802.11n(HT40)_2437



Date: 25.MAR.2022 15:59:41

802.11n(HT40)_2452



Date: 29.MAR.2022 09:45:17

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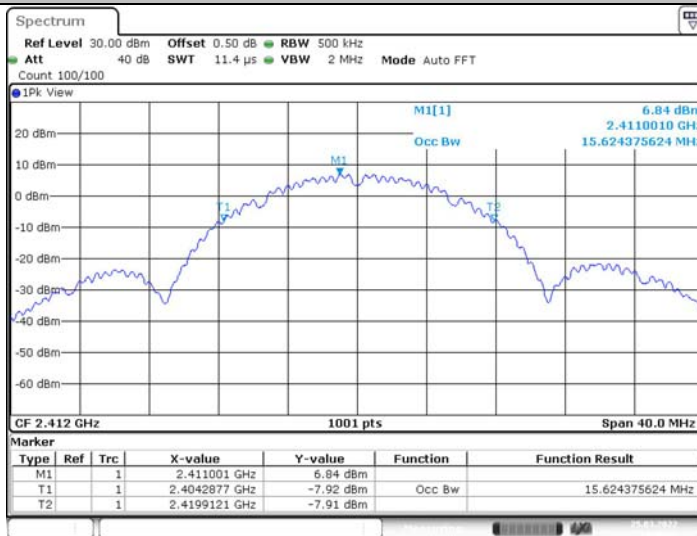


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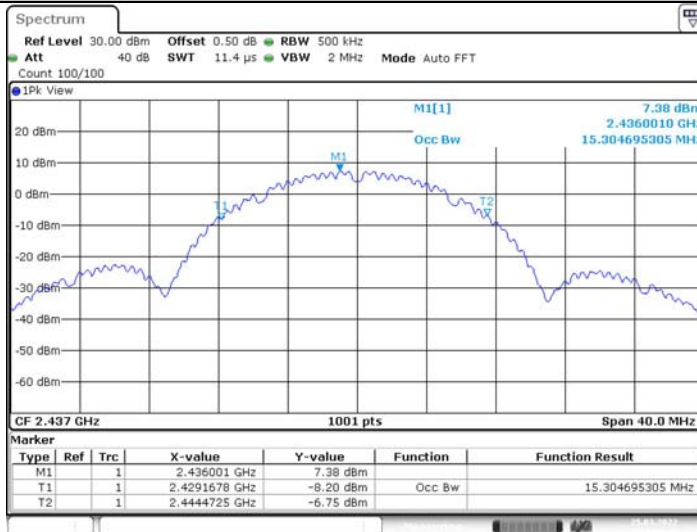
Occupied Channel Bandwidth

802.11b_2412



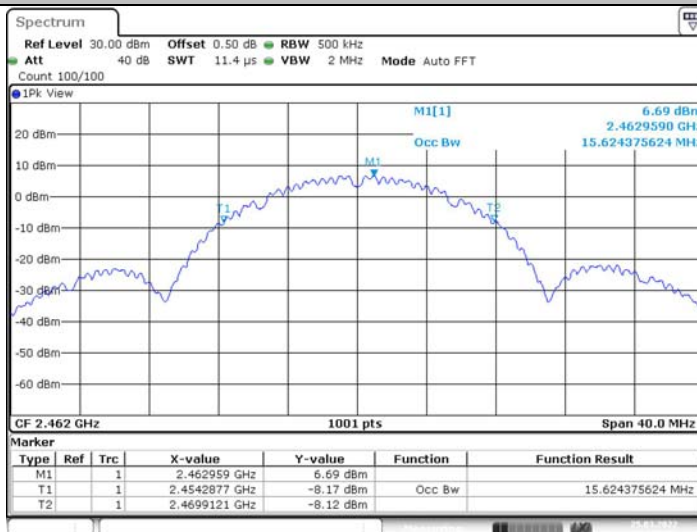
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802.11b_2437



Date: 25.MAR.2022 14:49:17

802.11b_2462



Date: 25.MAR.2022 14:51:07

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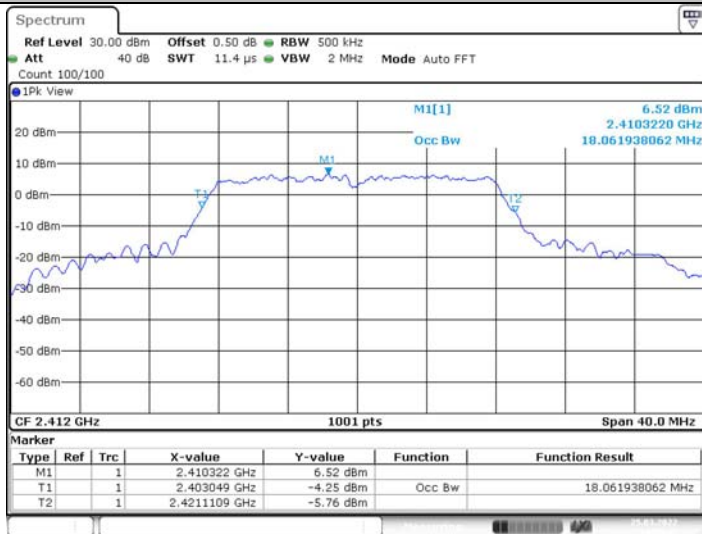
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
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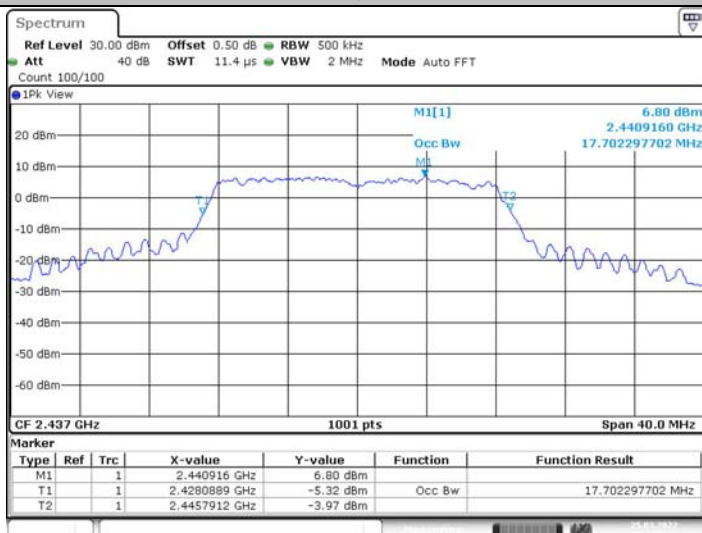


802.11g_2412



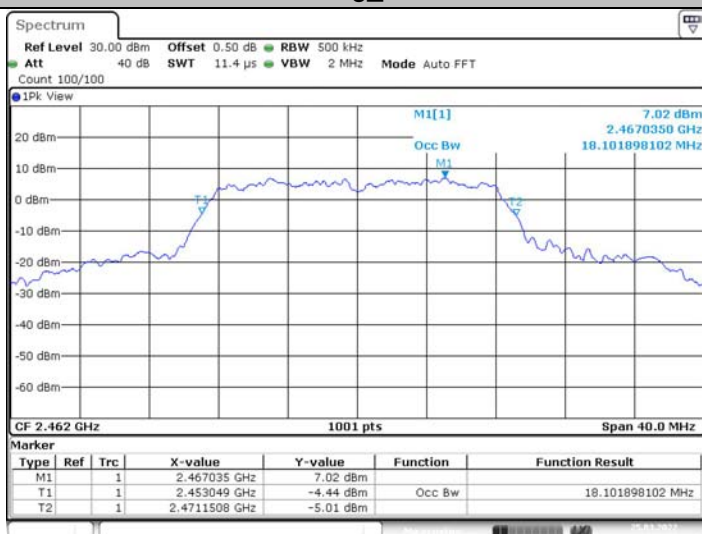
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802.11g_2437



Date: 25.MAR.2022 14:55:09

802.11g_2462



Date: 25.MAR.2022 14:56:53

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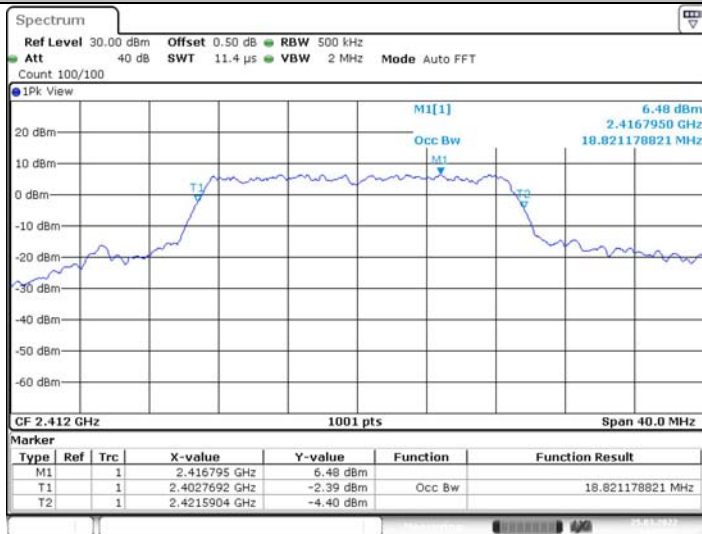
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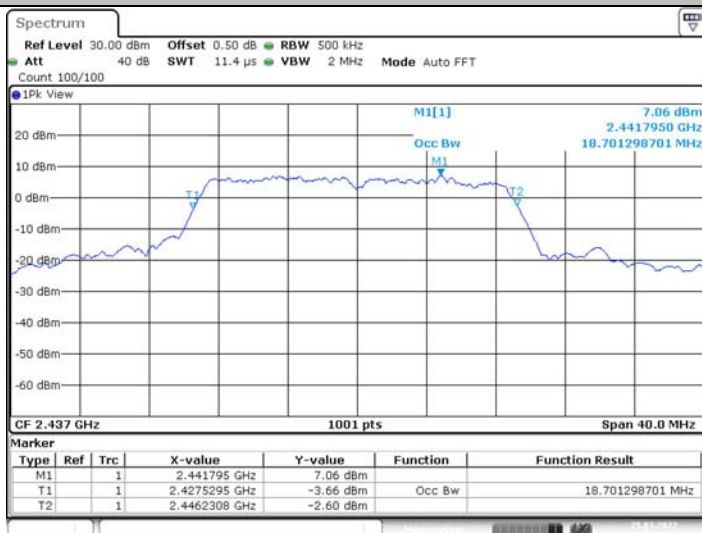


802.11n(HT20)_2412



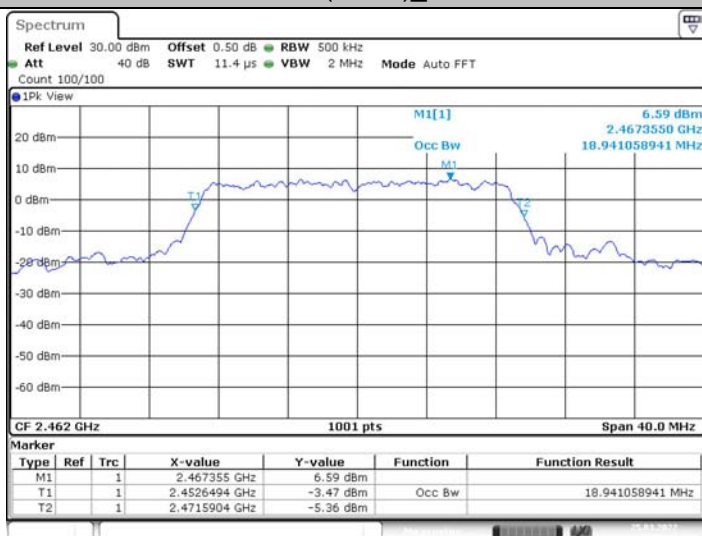
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802.11n(HT20)_2437



Date: 25.MAR.2022 15:53:30

802.11n(HT20)_2462



Date: 25.MAR.2022 15:55:19

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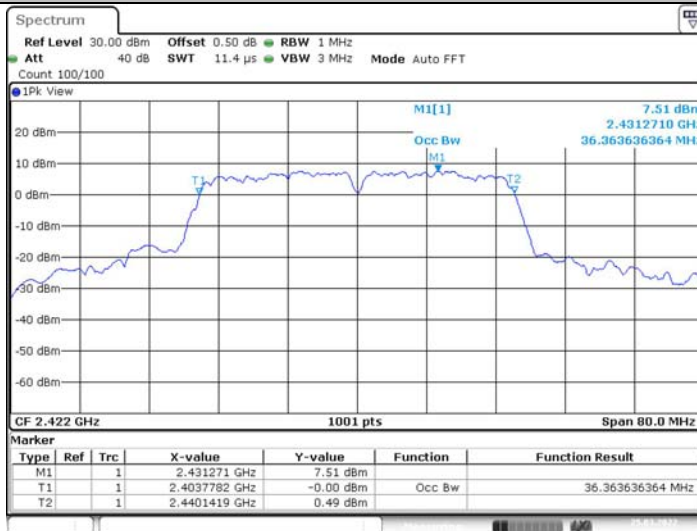
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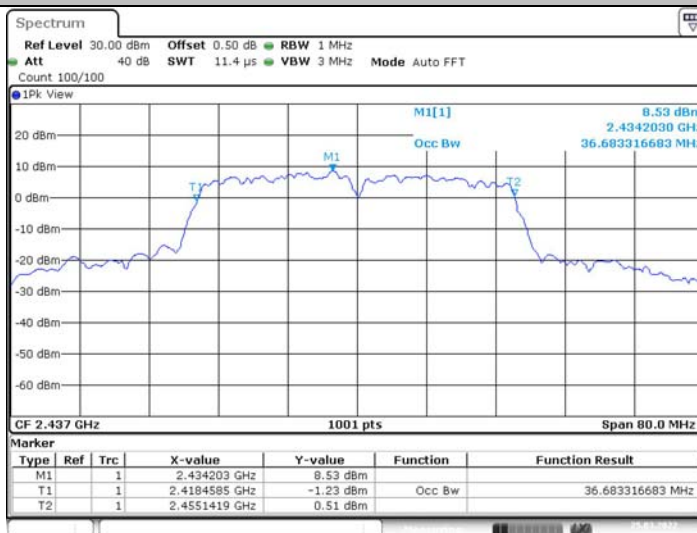


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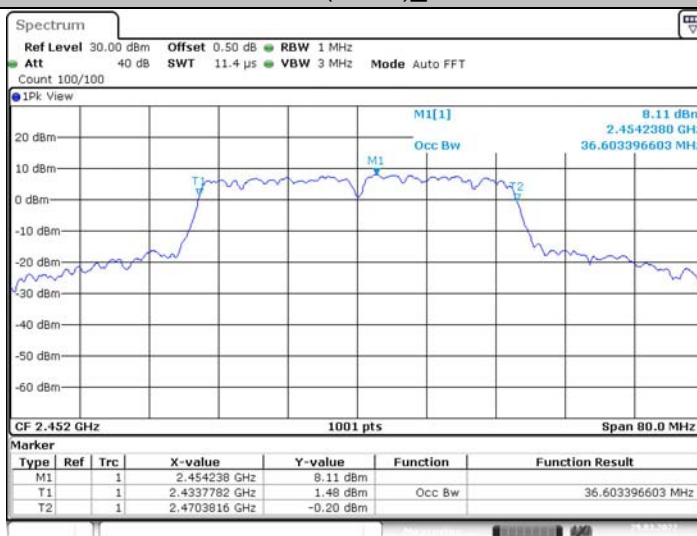
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802.11n(HT40)_2437



Date: 25.MAR.2022 15:59:53

802.11n(HT40)_2452



Date: 29.MAR.2022 09:45:30

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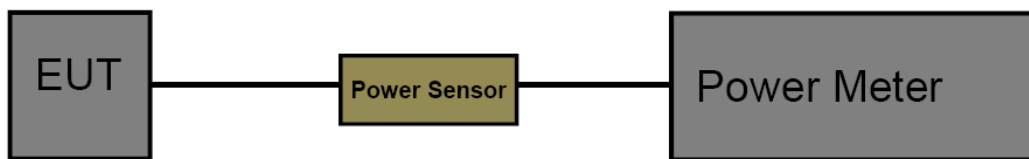
3.6. Peak Output Power

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3)/ RSS-247 5.4:

Section	Test Item	Limit	Frequency Range(MHz)
CFR 47 FCC 15.247(b)(3)	Maximum conducted output power	1 Watt or 30dBm	2400~2483.5
ISED RSS-247 5.4 d	EIRP	4 Watt or 36dBm	2400~2483.5

Test Configuration



Test Procedure

1. The maximum conducted output power may be measured using a broadband Peak RF power meter.
2. Peak power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor.
3. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.
4. Record the measurement data.

Test Mode

Please refer to the clause 2.3

Test Result



Test Mode	Channel	Result [dBm]	Limit [dBm]	Verdict
802.11b	2412	15.43	<=30	PASS
	2437	15.78	<=30	PASS
	2462	15.26	<=30	PASS
802.11g	2412	13.90	<=30	PASS
	2437	14.20	<=30	PASS
	2462	13.75	<=30	PASS
802.11n(HT20)	2412	14.28	<=30	PASS
	2437	14.44	<=30	PASS
	2462	13.98	<=30	PASS
802.11n(HT40)	2422	14.73	<=30	PASS
	2437	14.53	<=30	PASS
	2452	14.30	<=30	PASS

Note: Test results increased RF cable loss by 0.5dB.



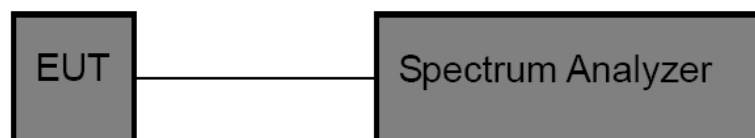
3.7. Power Spectral Density

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e)/ RSS-247 5.2 b:

Test Item	Limit	Frequency Range(MHz)
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:
Set analyzer center frequency to DTS channel center frequency.
Set the span to 1.5 times the DTS bandwidth.
Set the RBW to: 3 kHz
Set the VBW to: 10 kHz
Detector: PK
Sweep time: Auto
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.3

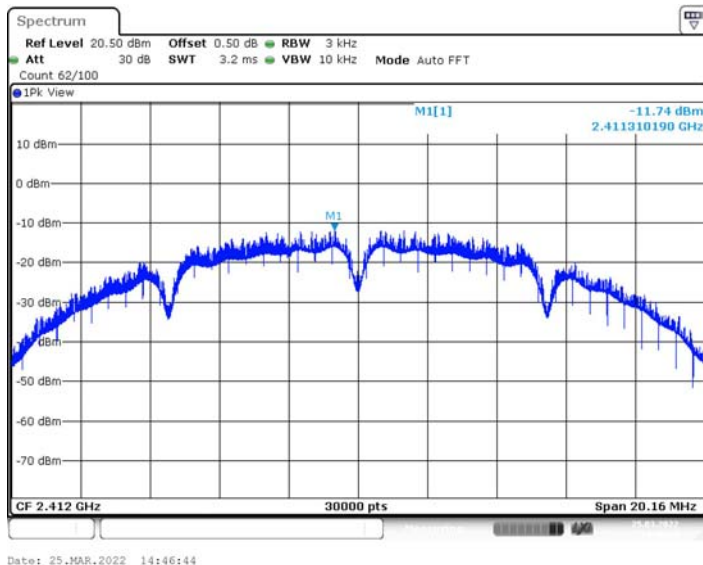


Test Result

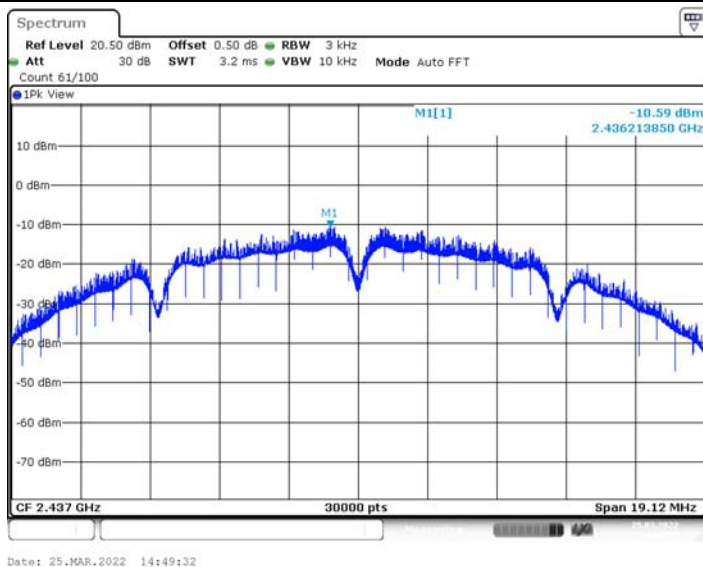
Test Mode	Channel	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
802.11b	2412	-11.74	<=8	PASS
	2437	-10.59	<=8	PASS
	2462	-11.33	<=8	PASS
802.11g	2412	-12.48	<=8	PASS
	2437	-12.08	<=8	PASS
	2462	-12.99	<=8	PASS
802.11n(HT20)	2412	-11.69	<=8	PASS
	2437	-13.35	<=8	PASS
	2462	-13.89	<=8	PASS
802.11n(HT40)	2422	-14.48	<=8	PASS
	2437	-14.58	<=8	PASS
	2452	-14.59	<=8	PASS



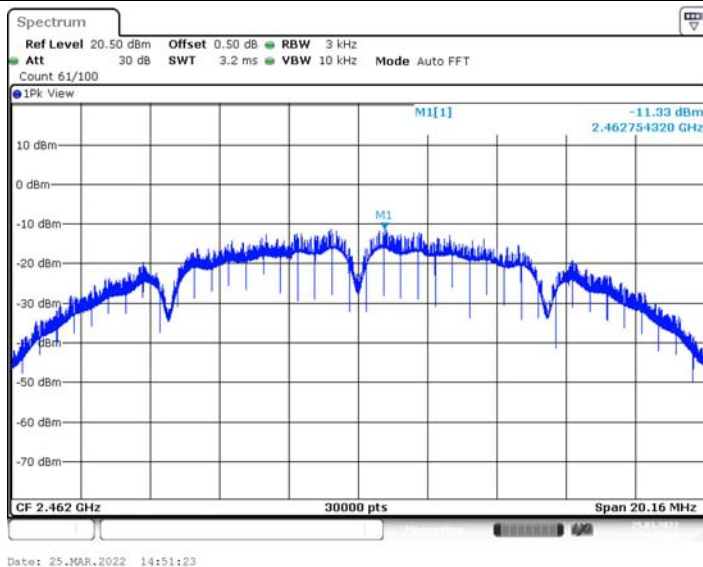
802.11b_2412



802.11b_2437



802.11b_2462



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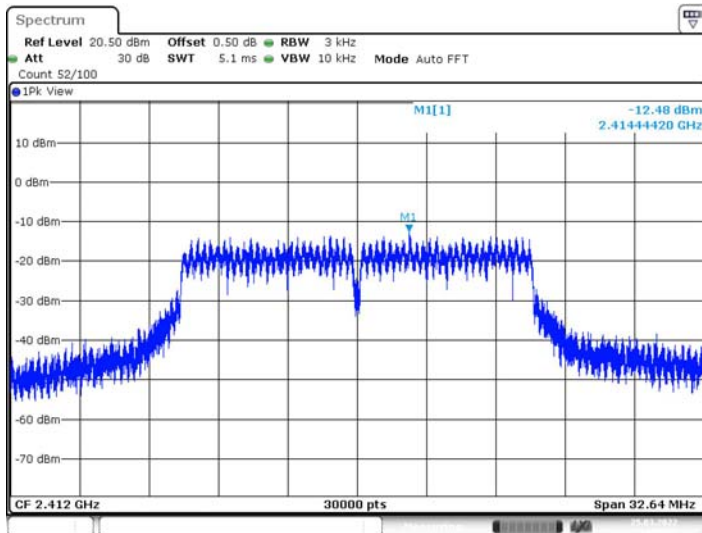
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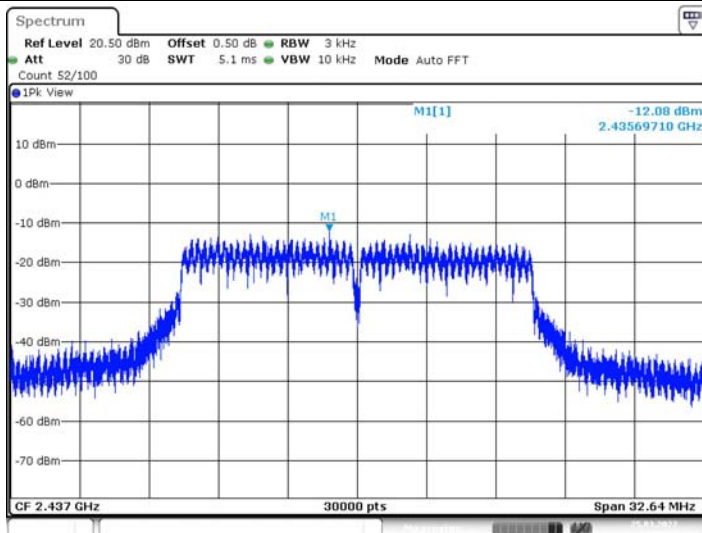


802.11g_2412



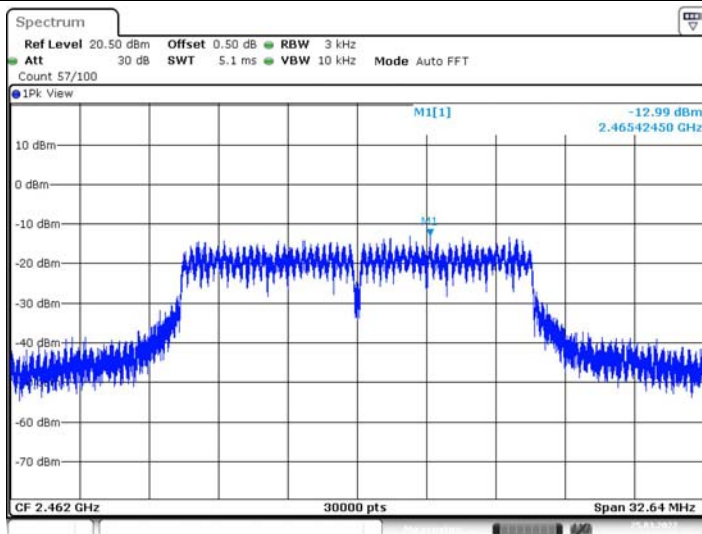
Date: 25_MAR.2022 14:53:27

802.11g_2437



Date: 25_MAR.2022 14:55:24

802.11g_2462



Date: 25_MAR.2022 14:57:08

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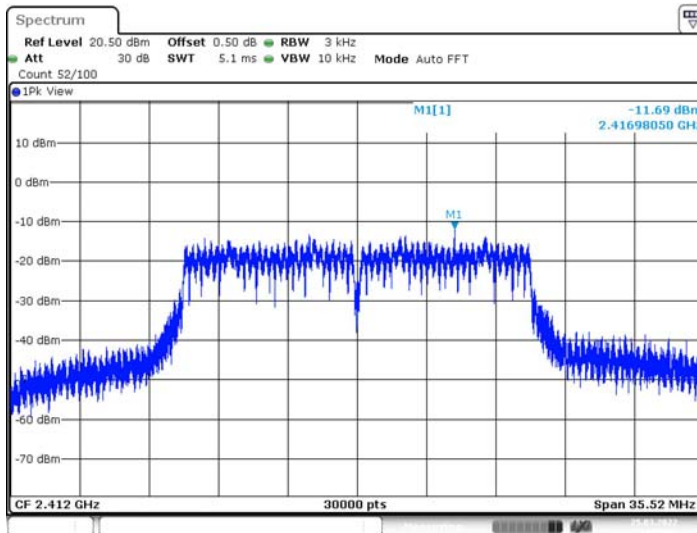
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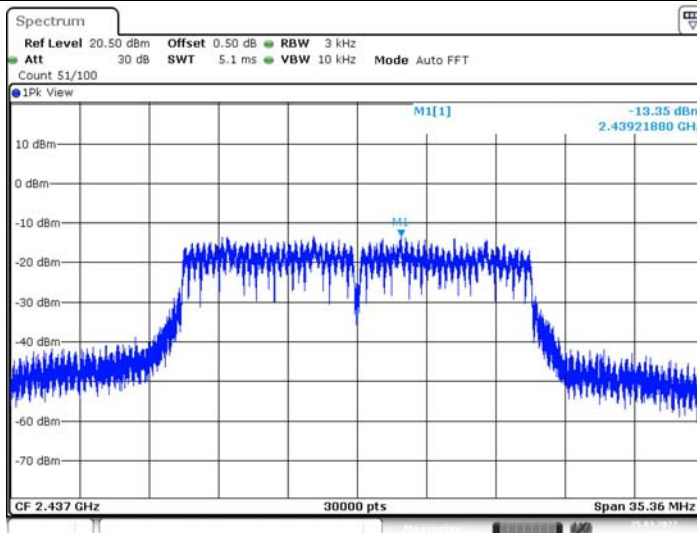


802.11n(HT20)_2412



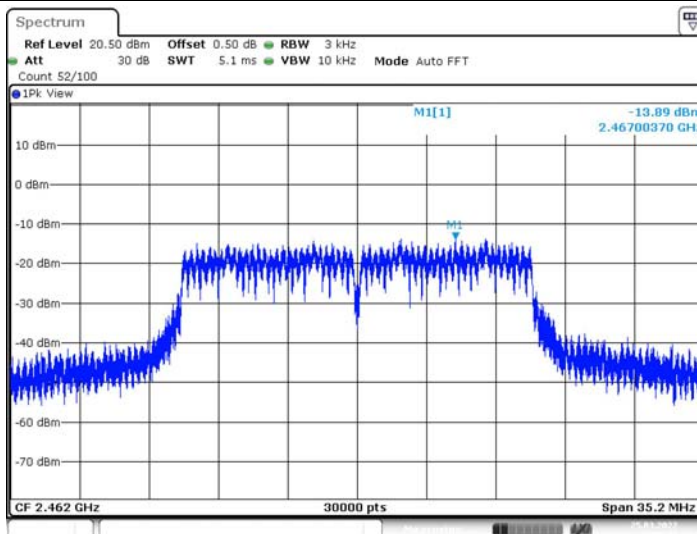
Date: 25.MAR.2022 14:59:09

802.11n(HT20)_2437



Date: 25.MAR.2022 15:53:46

802.11n(HT20)_2462



Date: 25.MAR.2022 15:55:34

CTC Laboratories, Inc.

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Tel.: (86)755-27521059

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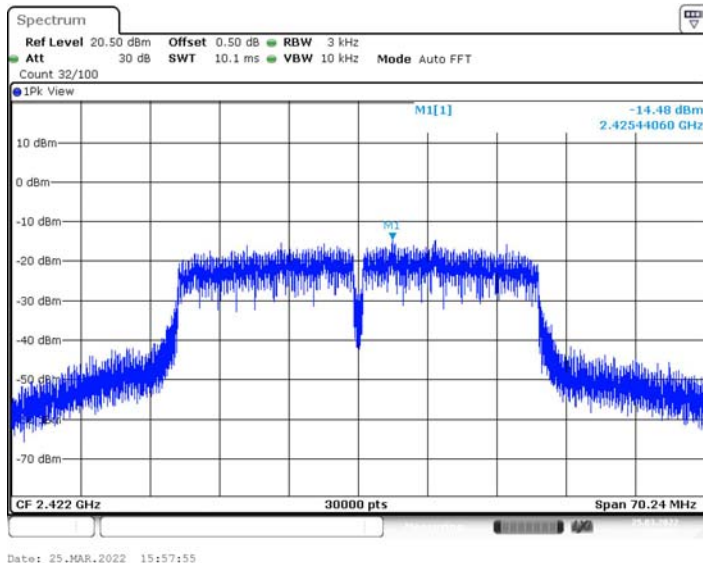
Http://www.sz-ctc.org.cn



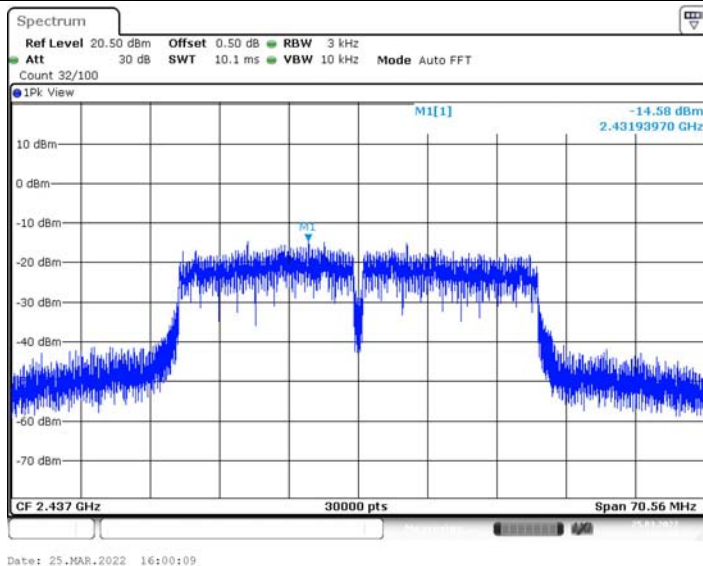
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



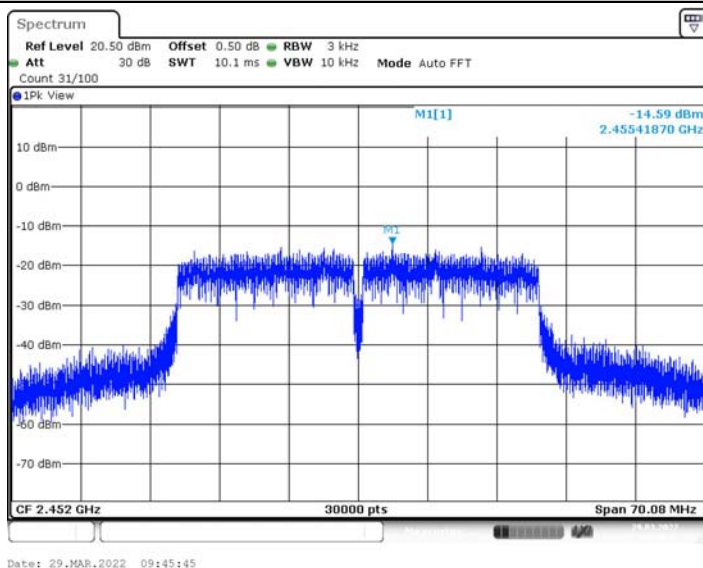
802.11n(HT40)_2422



802.11n(HT40)_2437



802.11n(HT40)_2452



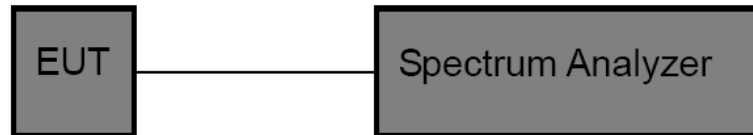


3.8. Duty Cycle

Limit

None, for report purposes only.

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:
Set analyzer center frequency to DTS channel center frequency.
Set the span to 0Hz
Set the RBW to 10MHz
Set the VBW to 10MHz
Detector: peak
Sweep time: auto
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

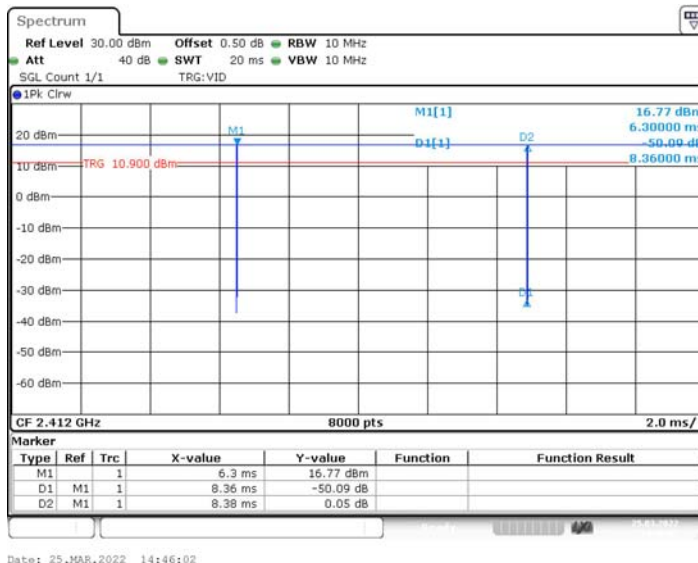
Please refer to the clause 2.3

Test Result

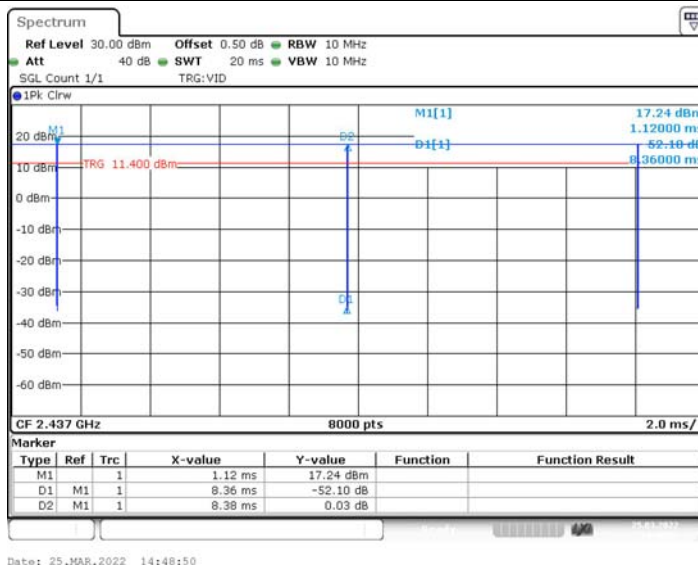
Test Mode	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
802.11b	2412	8.36	8.38	99.76	0.120	1
	2437	8.36	8.38	99.76	0.120	1
	2462	8.35	8.37	99.76	0.120	1
802.11g	2412	1.39	1.40	99.29	0.719	1
	2437	1.38	1.40	98.57	0.725	1
	2462	1.38	1.40	98.57	0.725	1
802.11n(HT20)	2412	5.05	5.07	99.61	0.198	1
	2437	5.06	5.07	99.80	0.198	1
	2462	5.07	5.08	99.80	0.197	1
802.11n(HT40)	2422	2.45	2.47	99.19	0.408	1
	2437	2.46	2.47	99.60	0.407	1
	2452	2.45	2.47	99.19	0.408	1



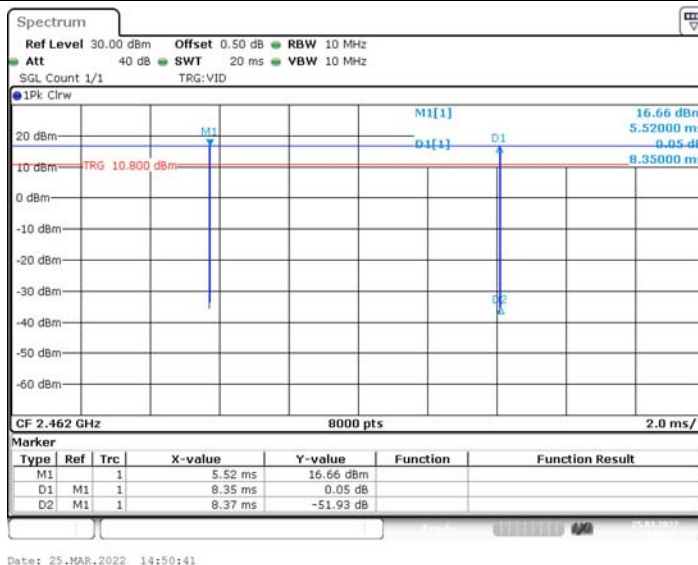
802.11b_2412



802.11b_2437



802.11b_2462



CTC Laboratories, Inc.

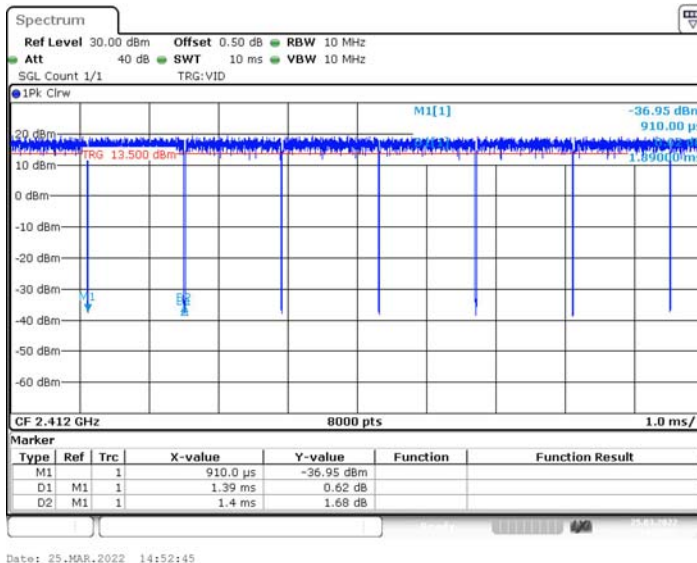
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



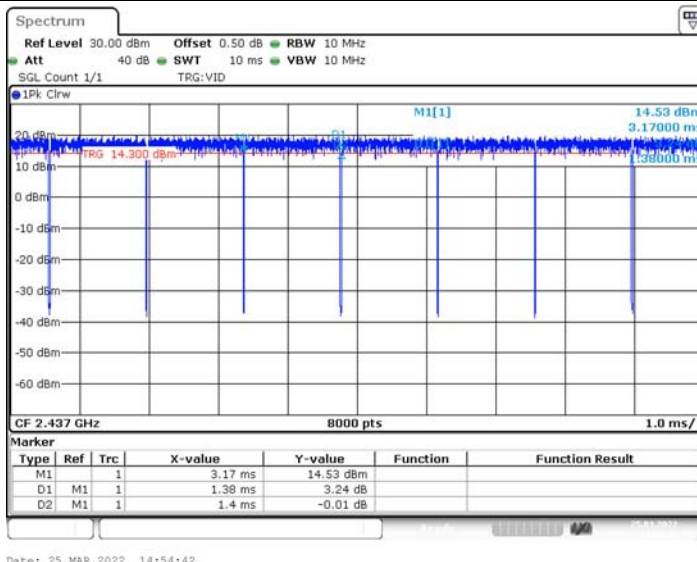
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



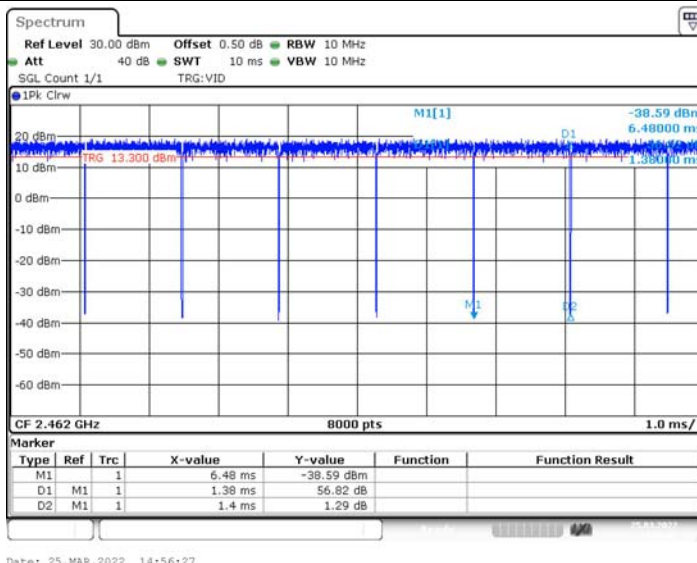
802.11g_2412



802.11g_2437

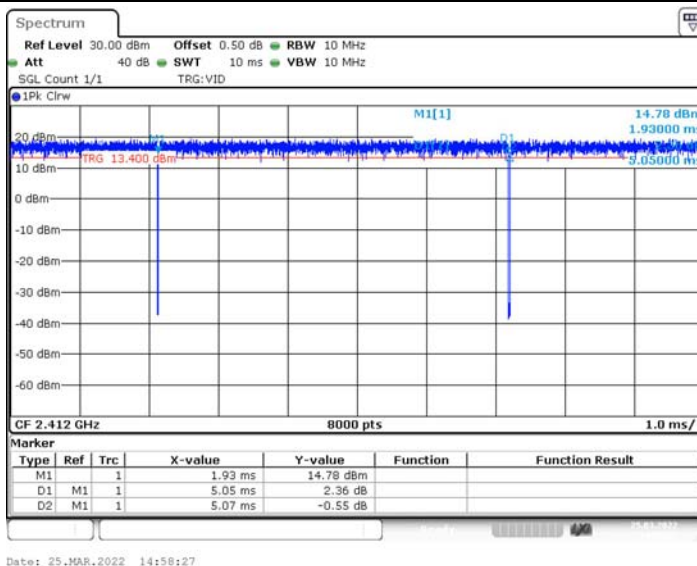


802.11g_2462

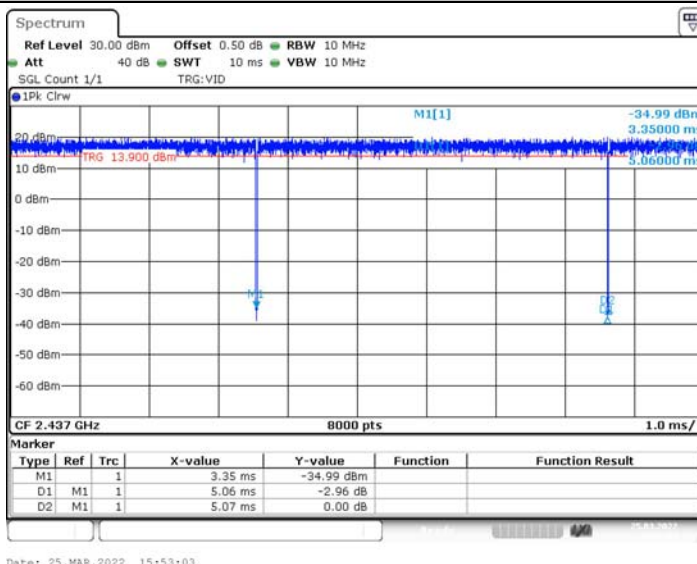




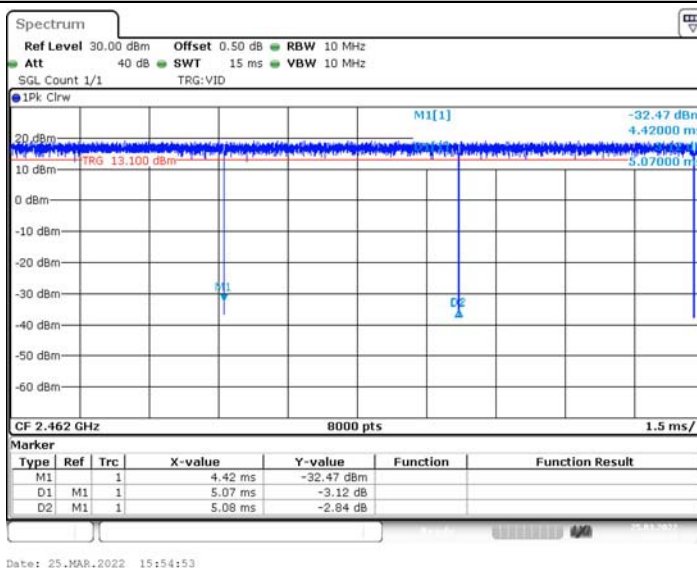
802.11n(HT20)_2412



802.11n(HT20)_2437

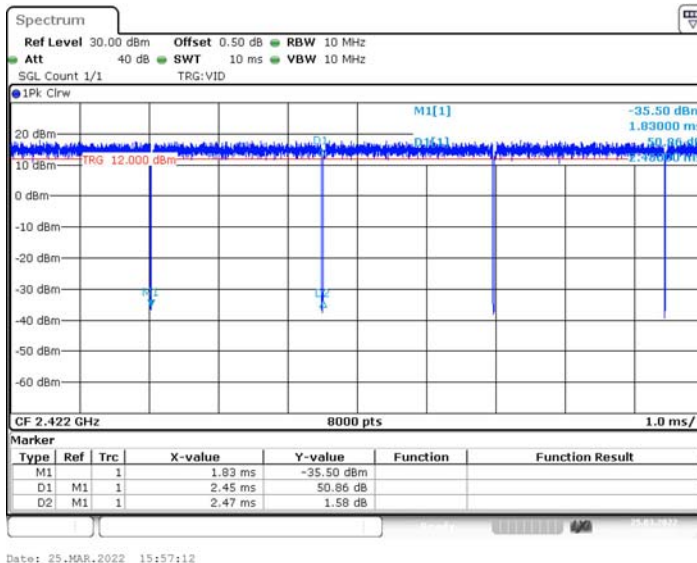


802.11n(HT20)_2462

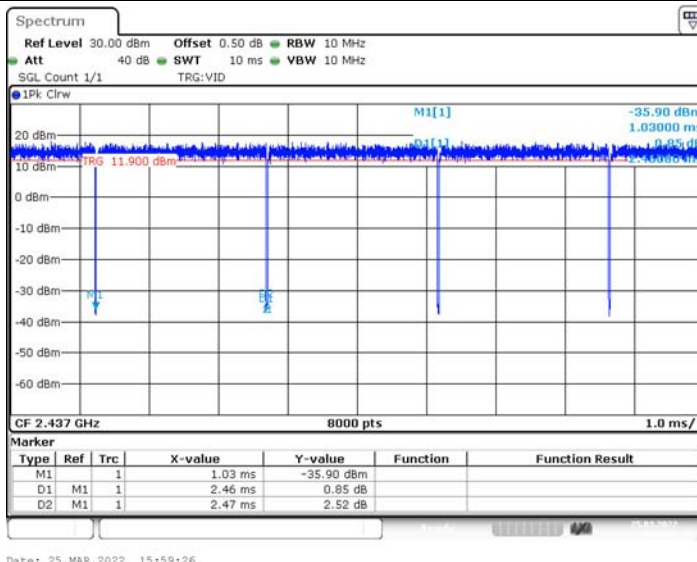




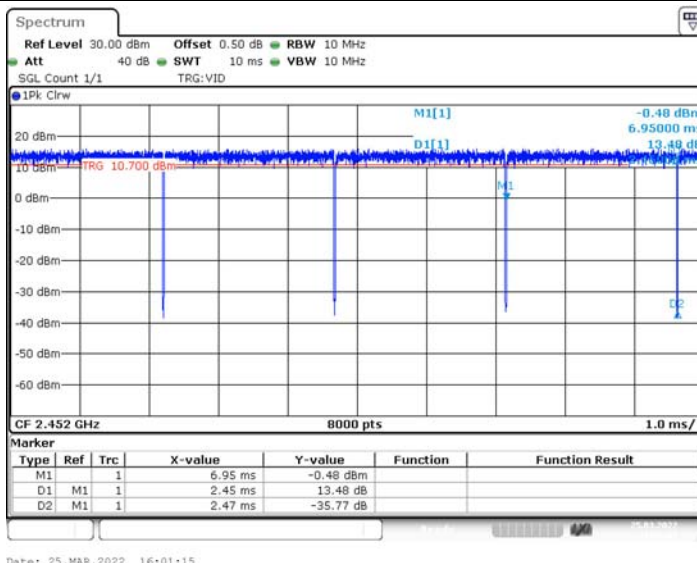
802.11n(HT40)_2422



802.11n(HT40)_2437



802.11n(HT40)_2452





3.9. Antenna requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400~2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result

The directional gain of the antenna less than 6dBi, please refer to the EUT internal photographs antenna photo.

*****THE END*****