

Operation Band MHz = [2400, 2483.5]

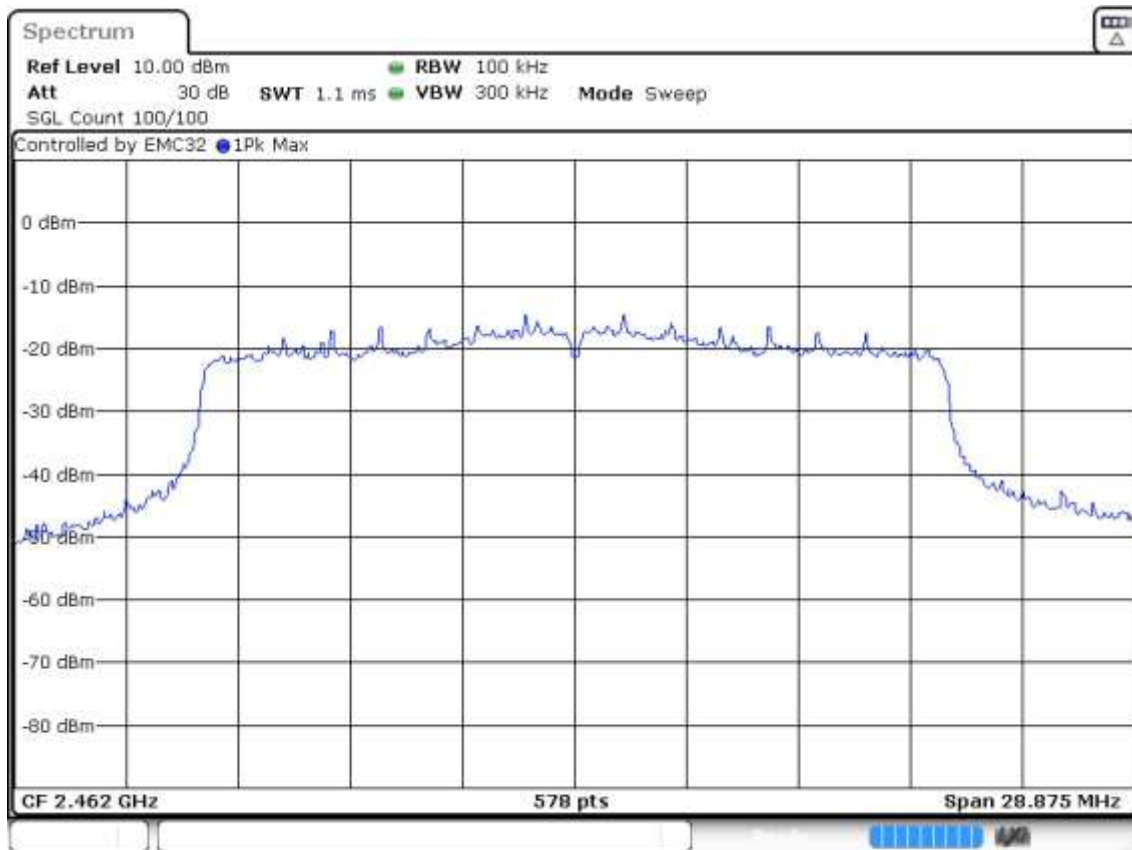
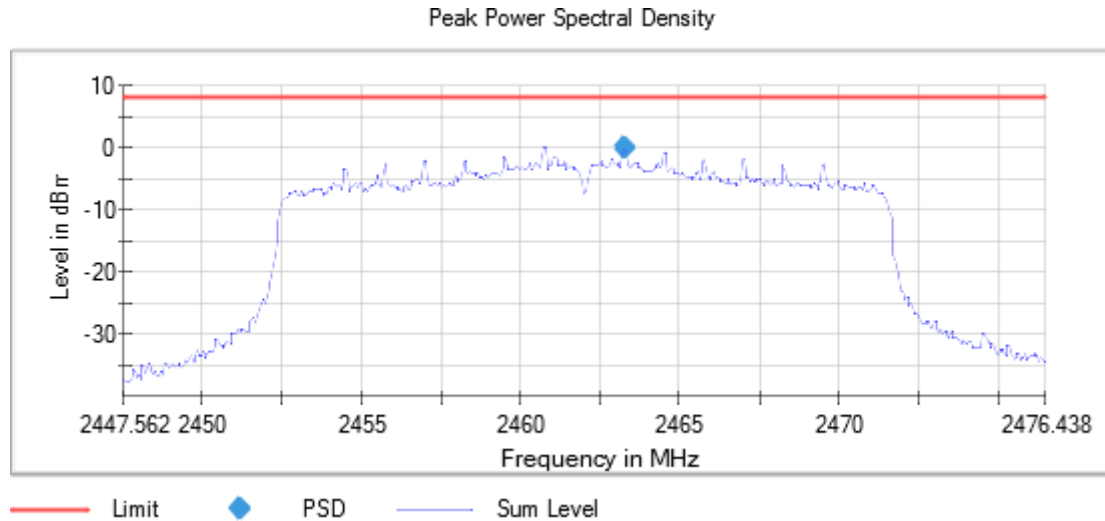
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

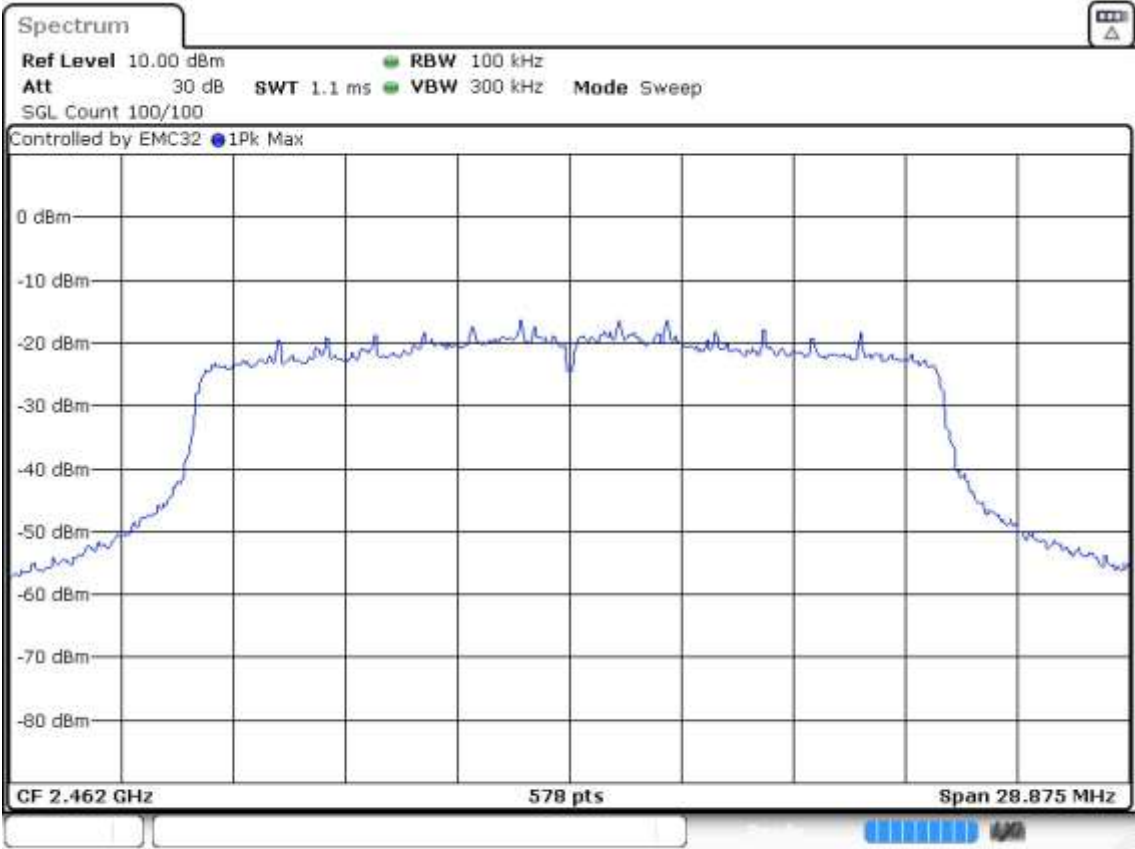
Active Port = 1+2

Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

Images:



Date: 16 JAN 2026 11:13:42



Date: 16 JAN 2026 11:15:36

Modulation: 802.11ax HE40 SS1 (OFDMA MCS11)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	PSD (dBm)
[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1	-10.85
			2	-10.57
		2437.00000	1	-10.93
			2	-9.82
		2452.00000	1	-9.57
			2	-10.02
		2422.00000	1+2	-4.28
		2437.00000		-3.74
		2452.00000		-4.06

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

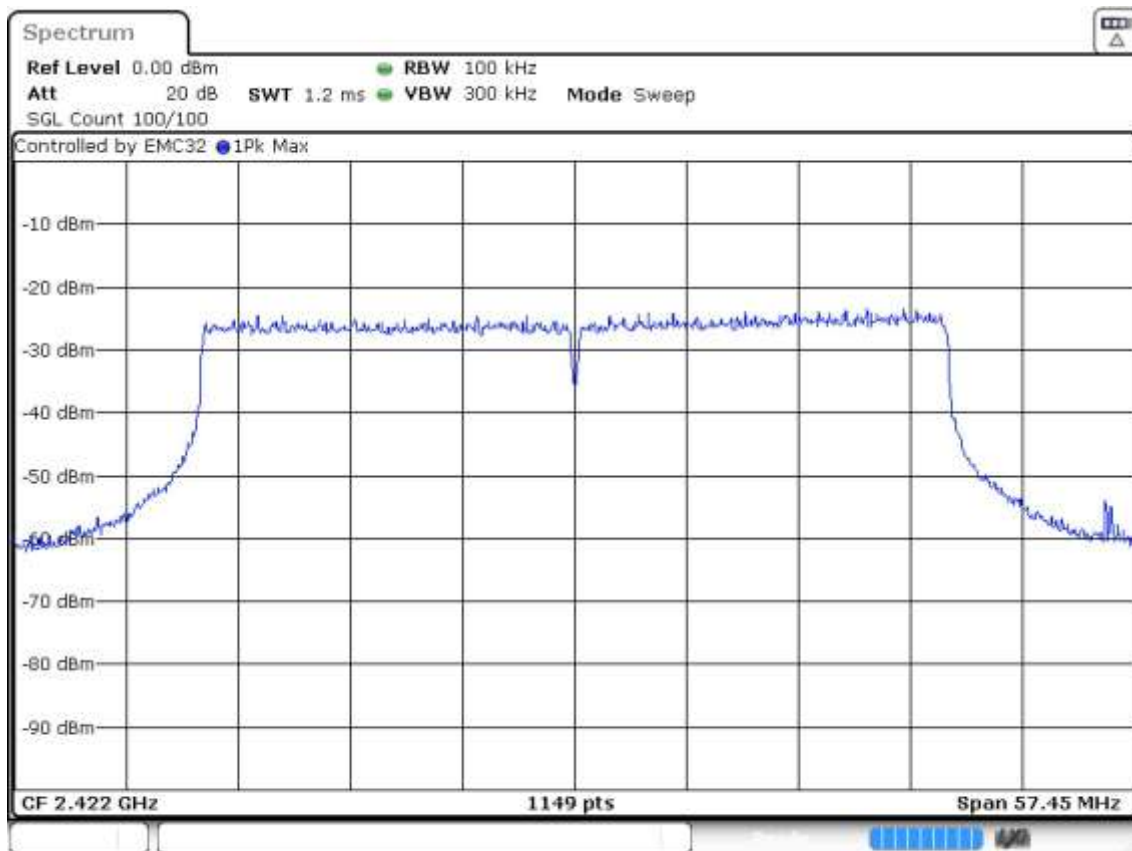
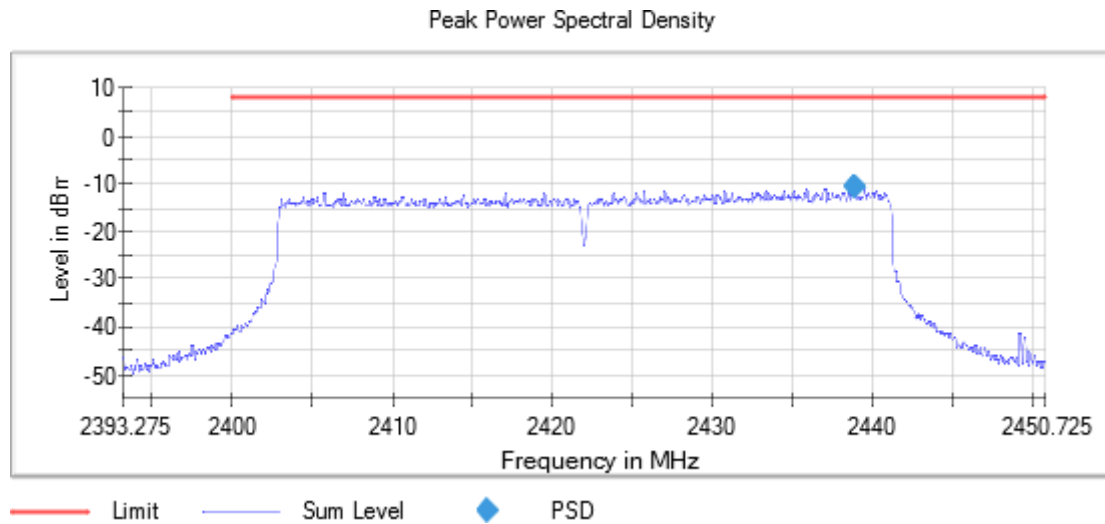
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2422.00000

Active Port = 1

Modulation = 802.11ax HE40 SS1 (OFDMA MCS11)

Images:



Date: 9 DEC. 2025 12:43:59

Operation Band MHz = [2400, 2483.5]

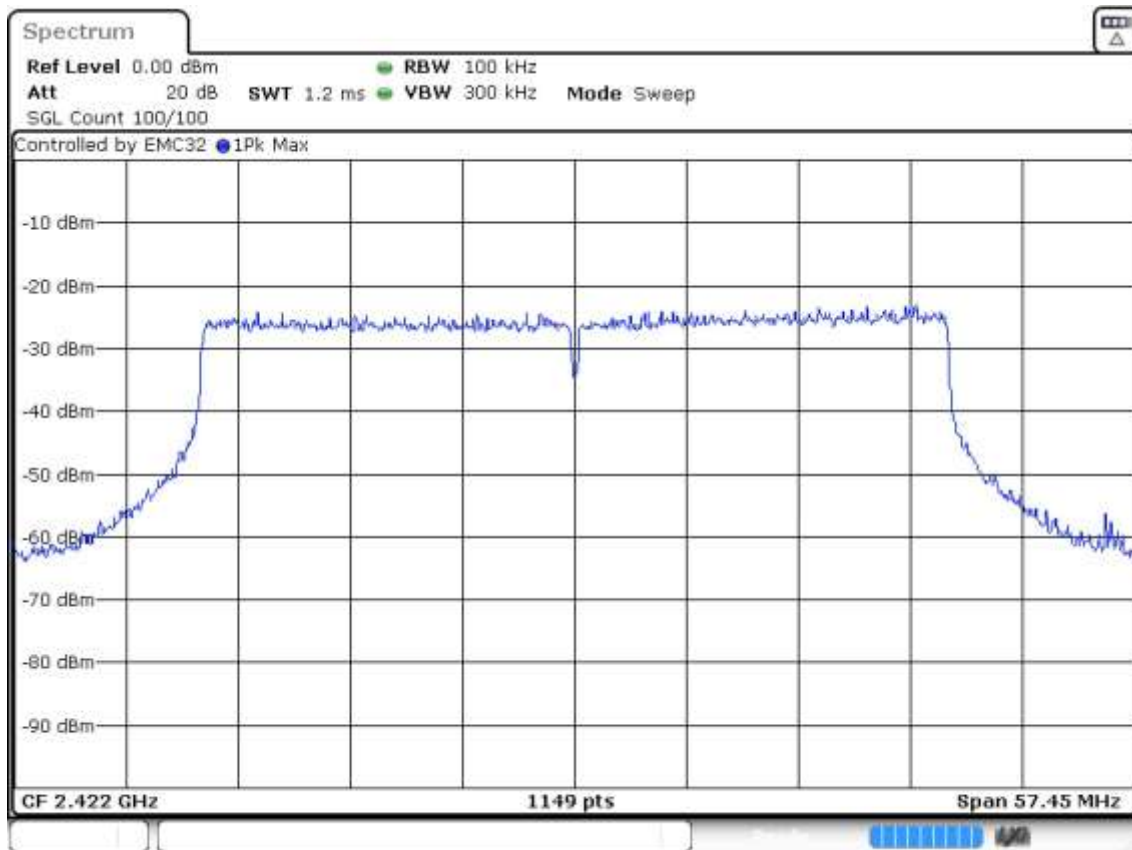
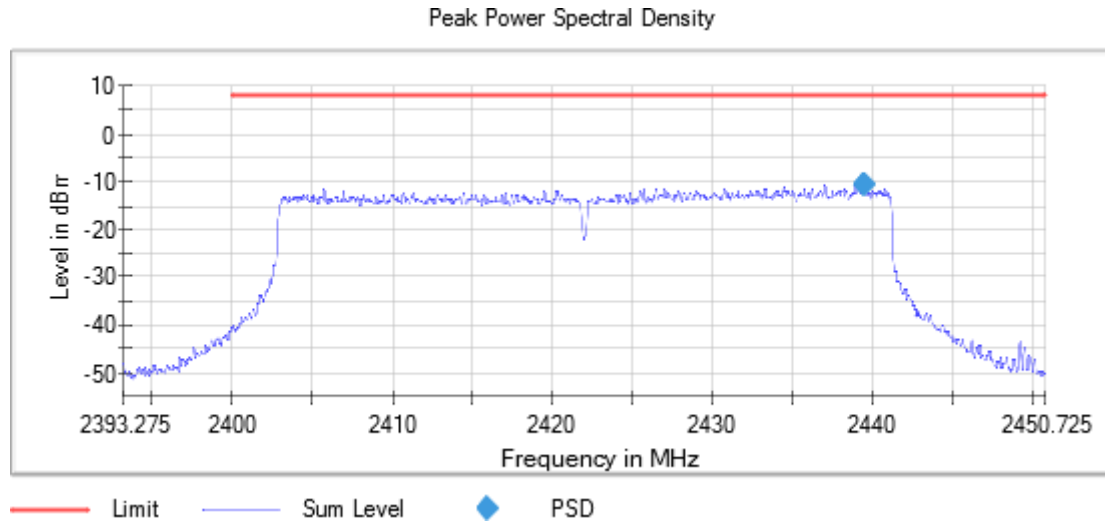
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2422.00000

Active Port = 2

Modulation = 802.11ax HE40 SS1 (OFDMA MCS11)

Images:



Date: 9.DEC.2025 17:01:12

Operation Band MHz = [2400, 2483.5]

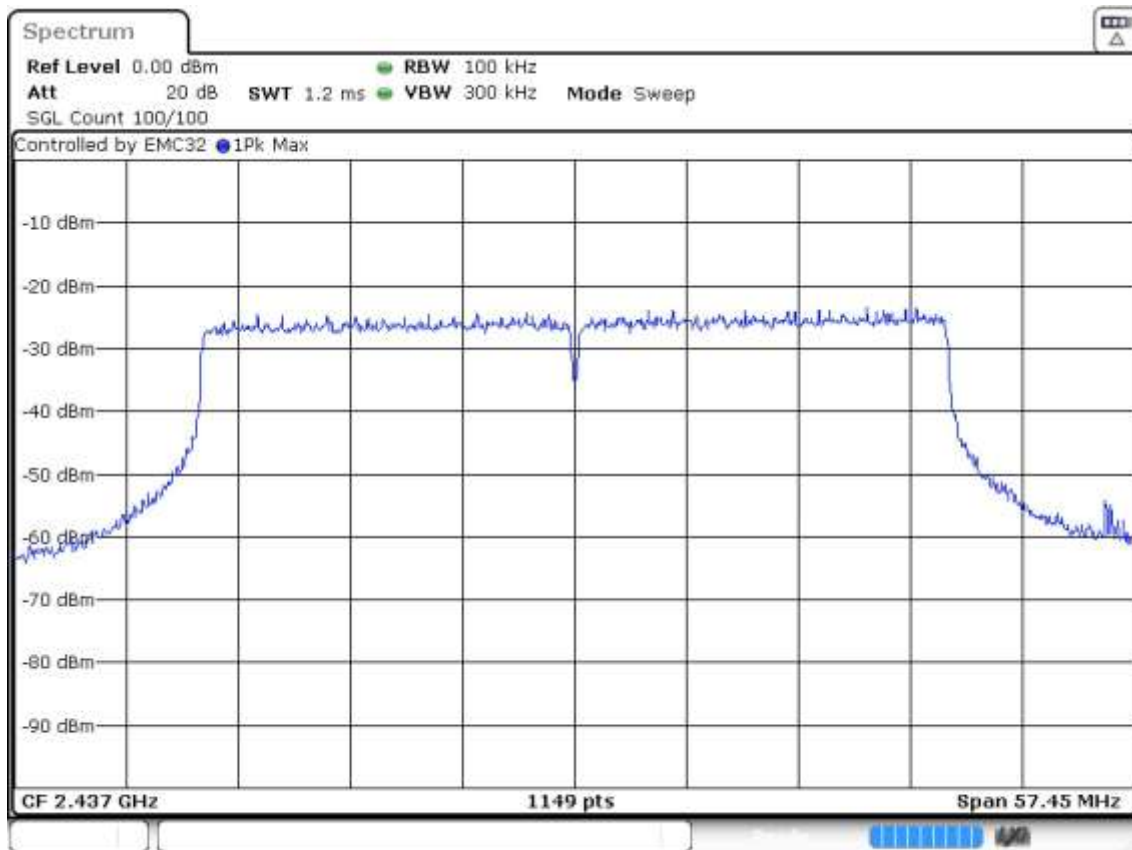
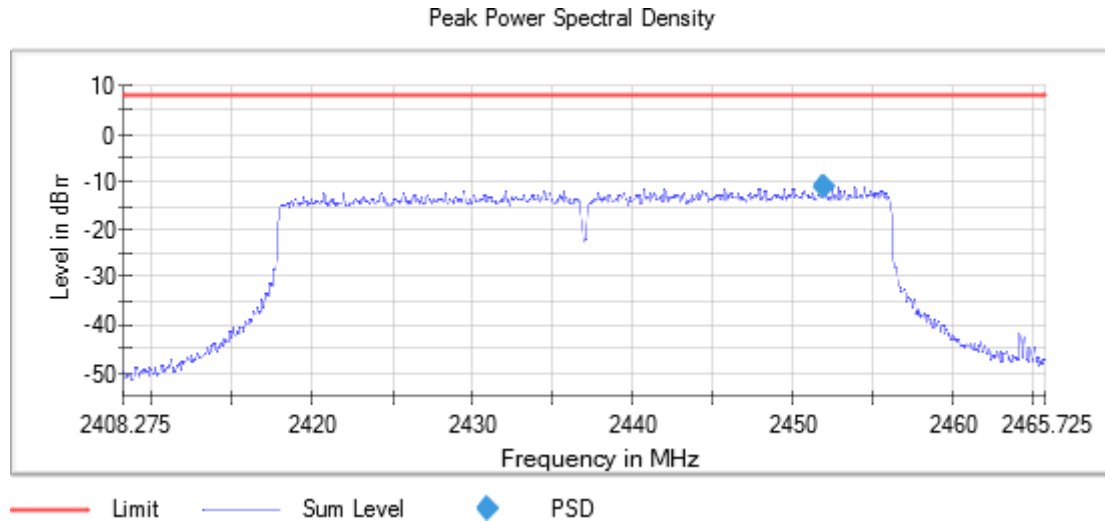
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE40 SS1 (OFDMA MCS11)

Images:



Date: 9.DEC.2025 13:30:14

Operation Band MHz = [2400, 2483.5]

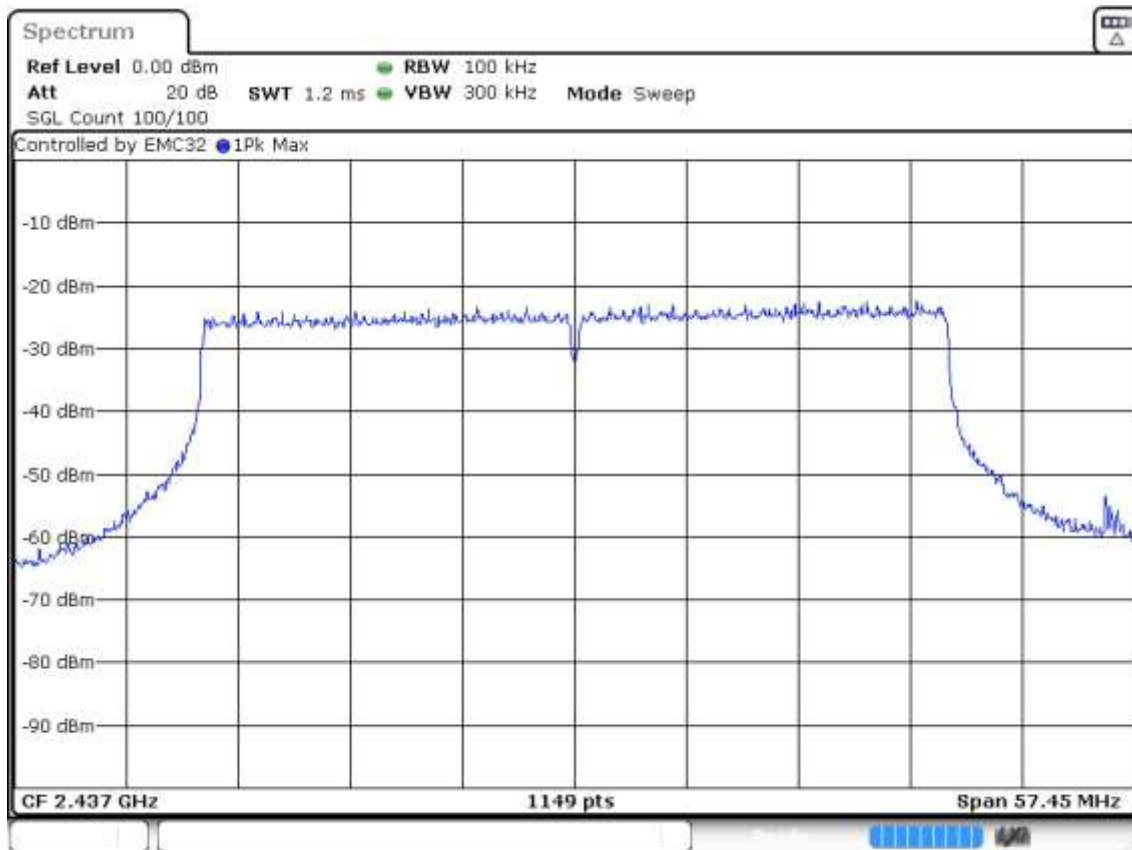
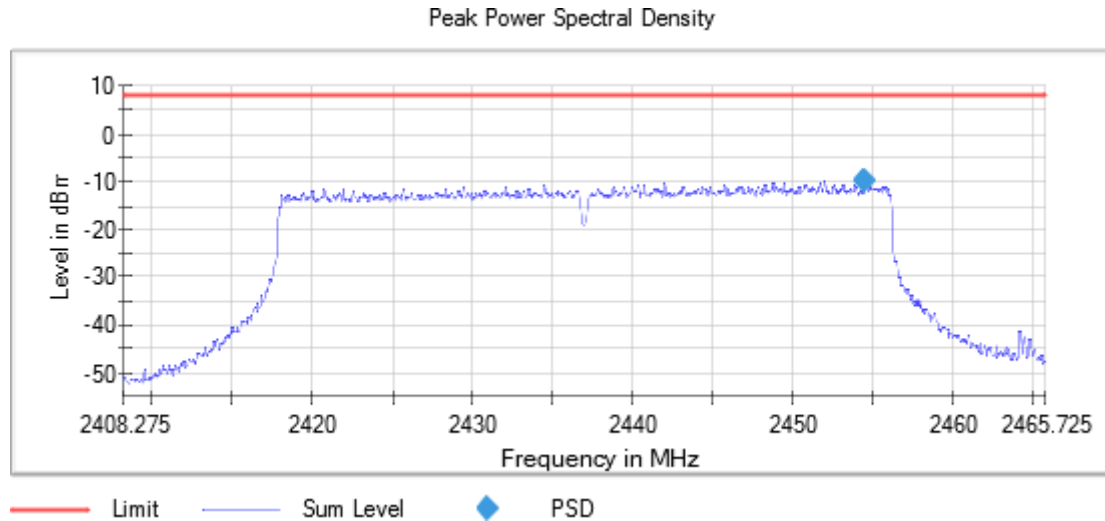
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 2

Modulation = 802.11ax HE40 SS1 (OFDMA MCS11)

Images:



Date: 9.DEC.2025 17:40:58

Operation Band MHz = [2400, 2483.5]

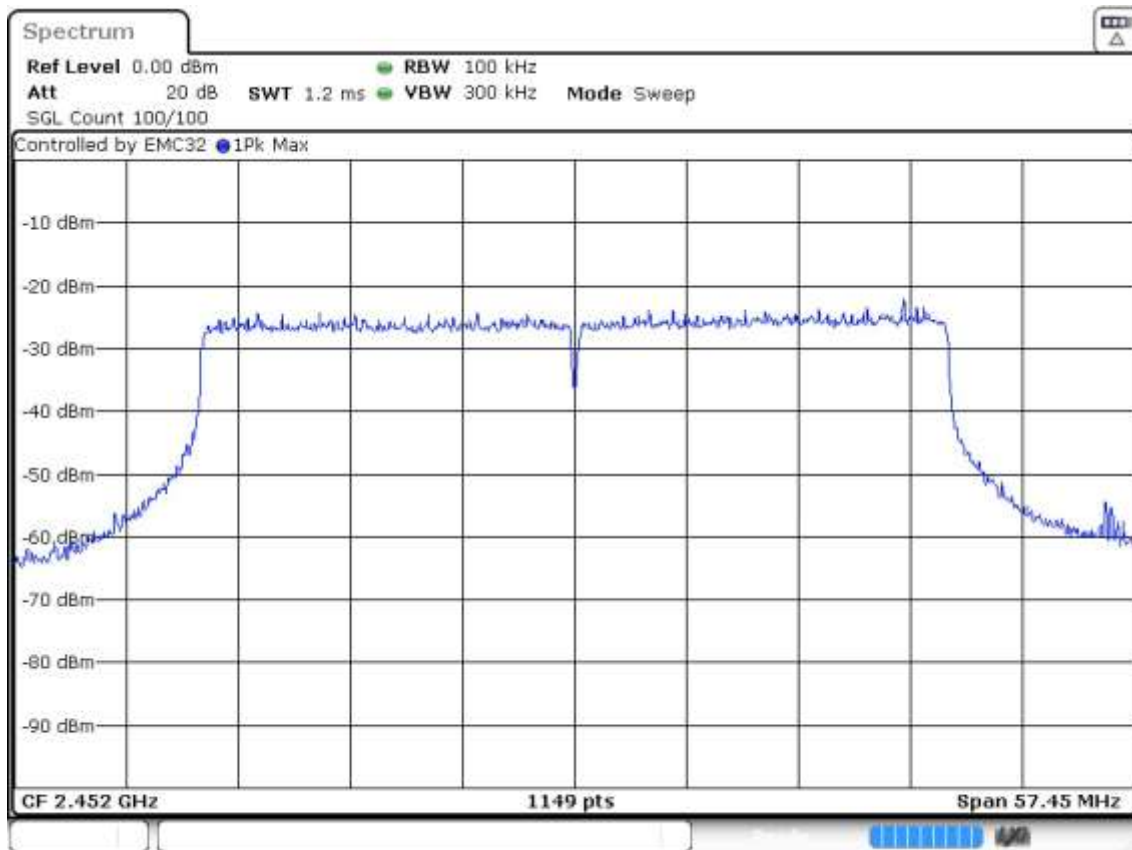
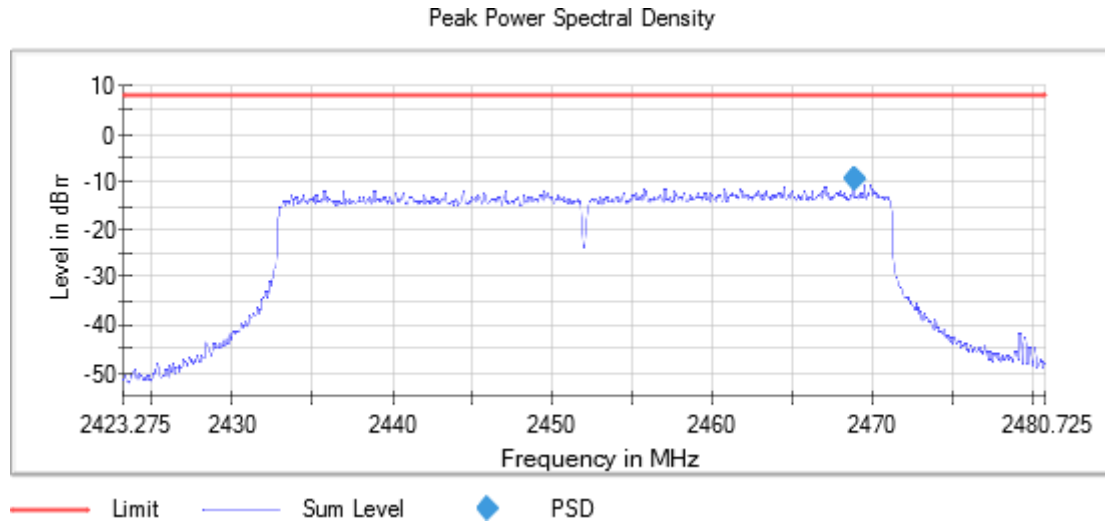
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2452.00000

Active Port = 1

Modulation = 802.11ax HE40 SS1 (OFDMA MCS11)

Images:



Date: 9.DEC.2025 13:38:10

Operation Band MHz = [2400, 2483.5]

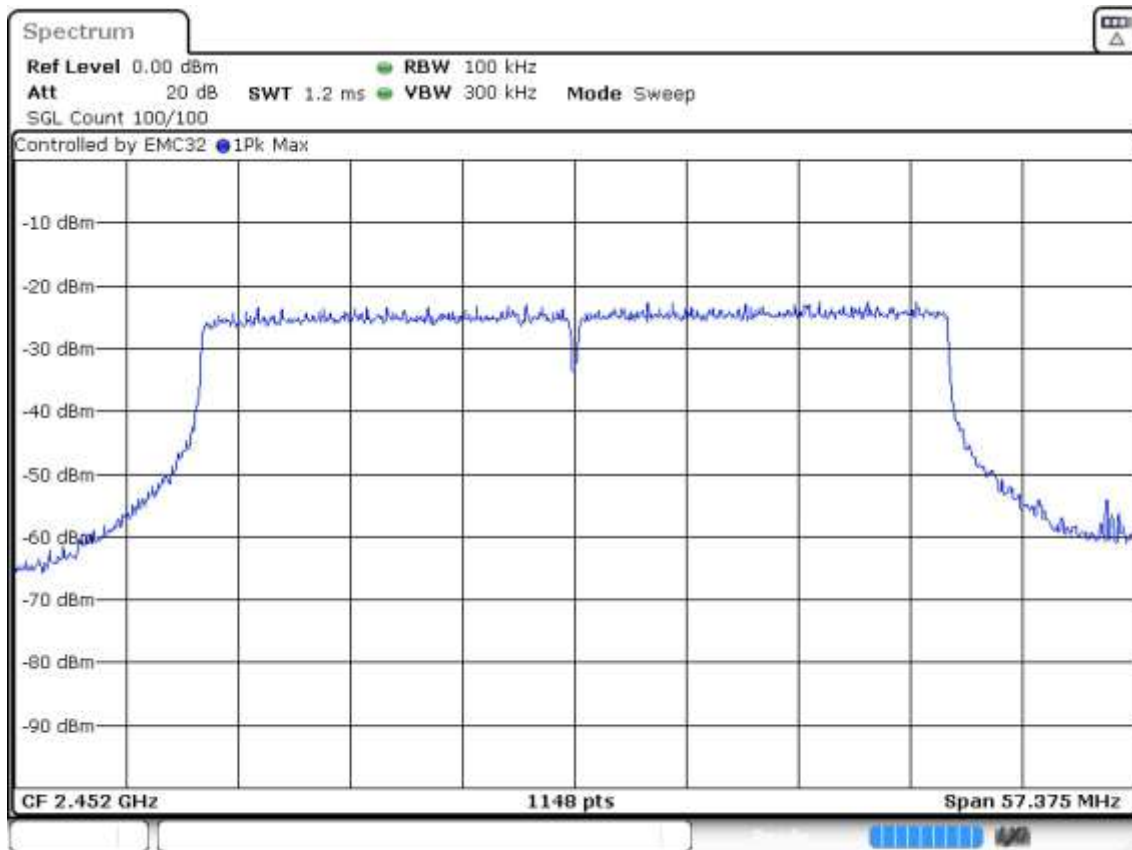
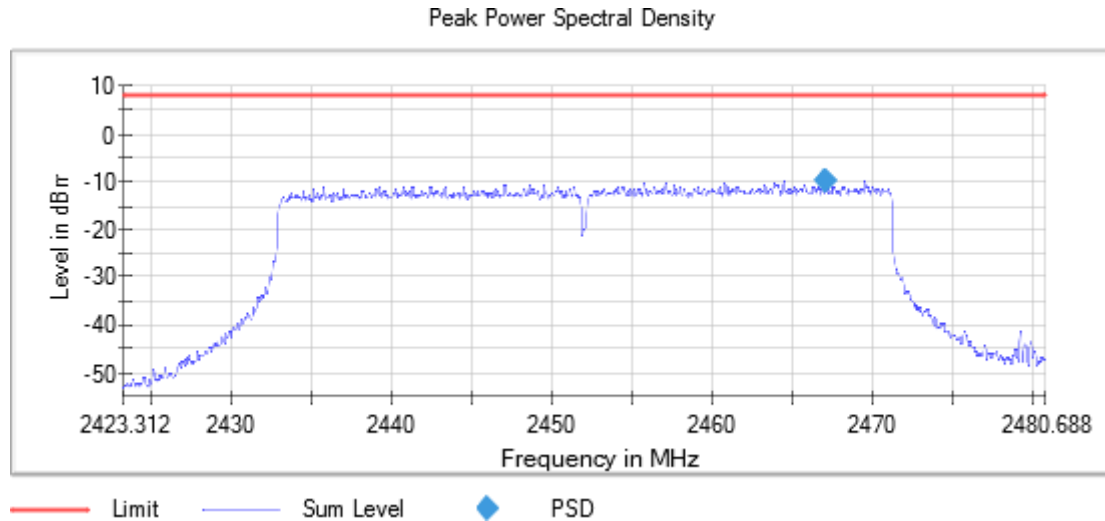
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2452.00000

Active Port = 2

Modulation = 802.11ax HE40 SS1 (OFDMA MCS11)

Images:



Date: 9.DEC.2025 17:47:33

Operation Band MHz = [2400, 2483.5]

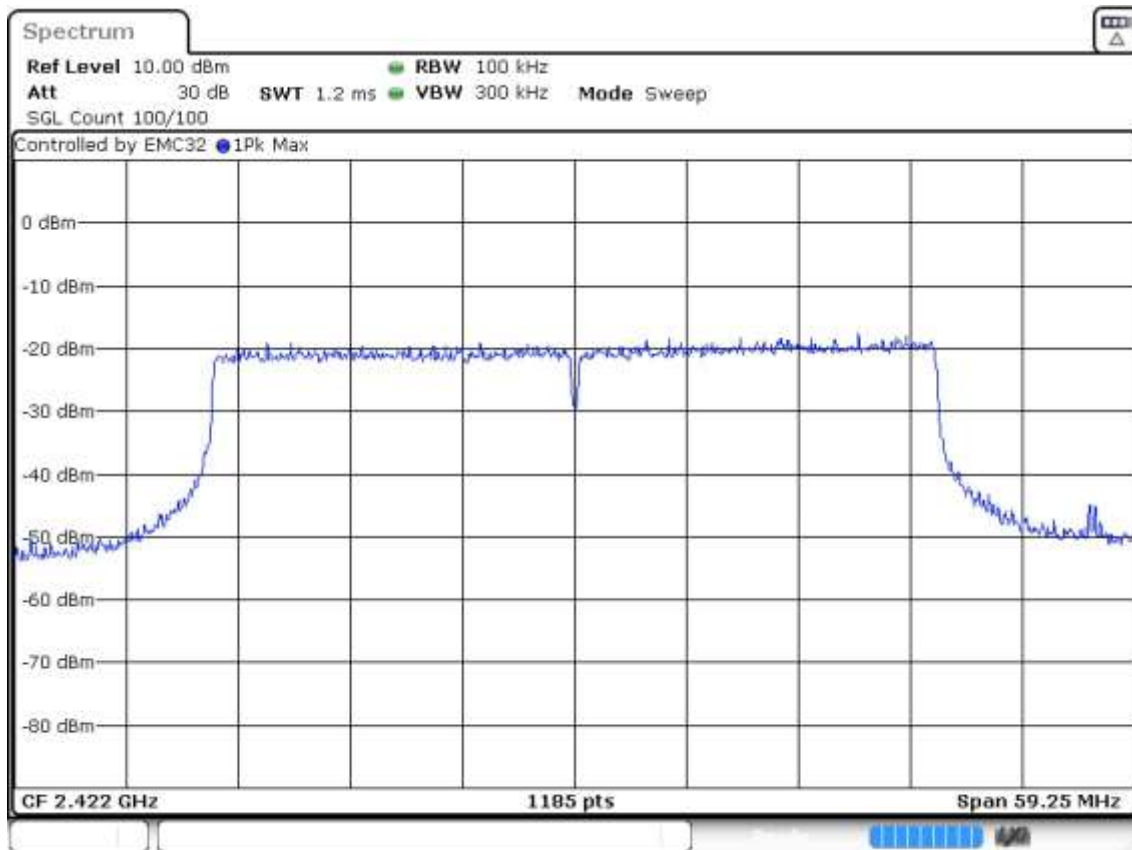
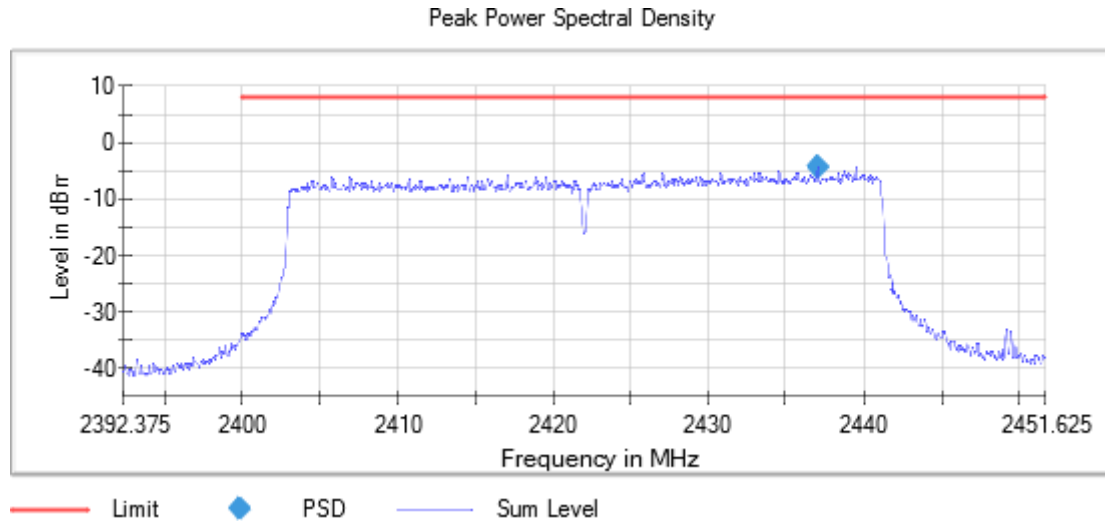
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2422.00000

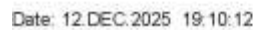
Active Port = 1+2

Modulation = 802.11ax HE40 SS1 (OFDMA MCS11)

Images:



Date: 12 DEC 2025 19:09:40



Operation Band MHz = [2400, 2483.5]

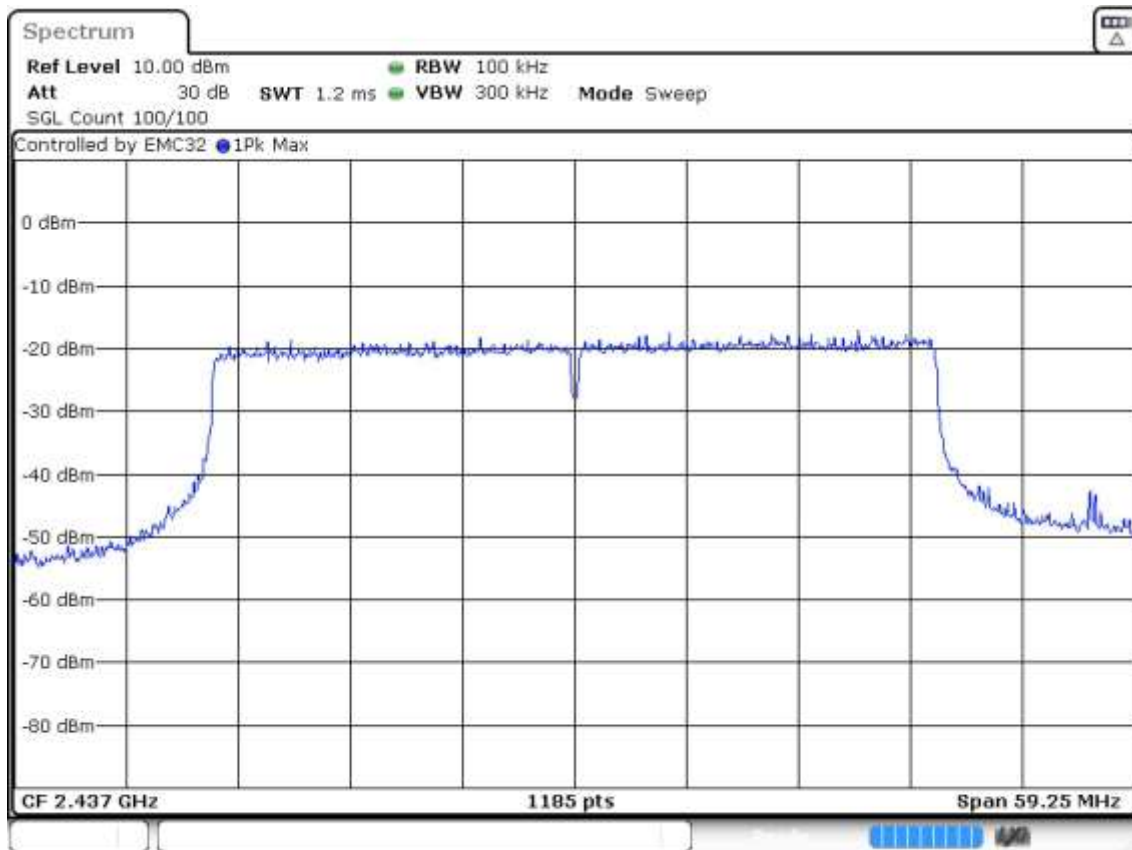
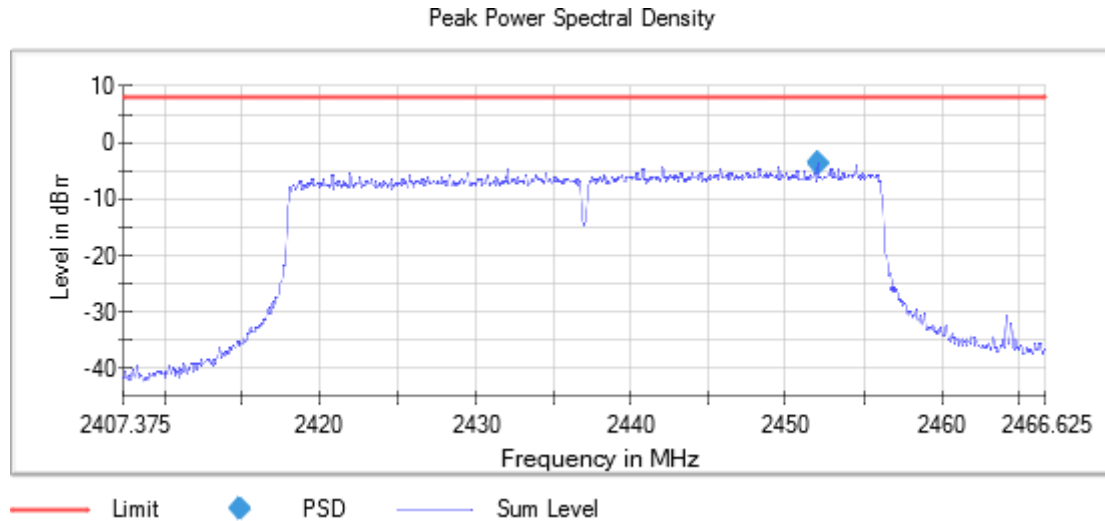
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

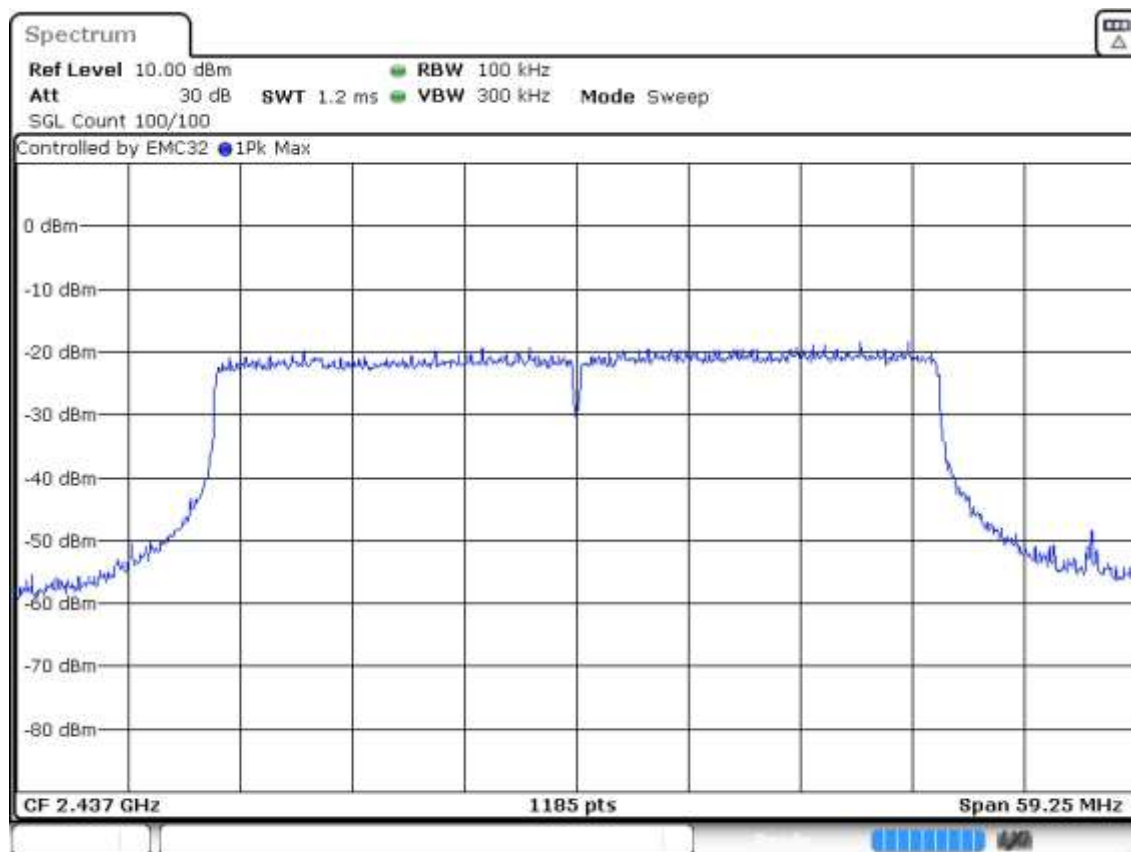
Active Port = 1+2

Modulation = 802.11ax HE40 SS1 (OFDMA MCS11)

Images:



Date: 12 DEC 2025 19:21:55



Date: 12 DEC. 2025 19:22:31

Operation Band MHz = [2400, 2483.5]

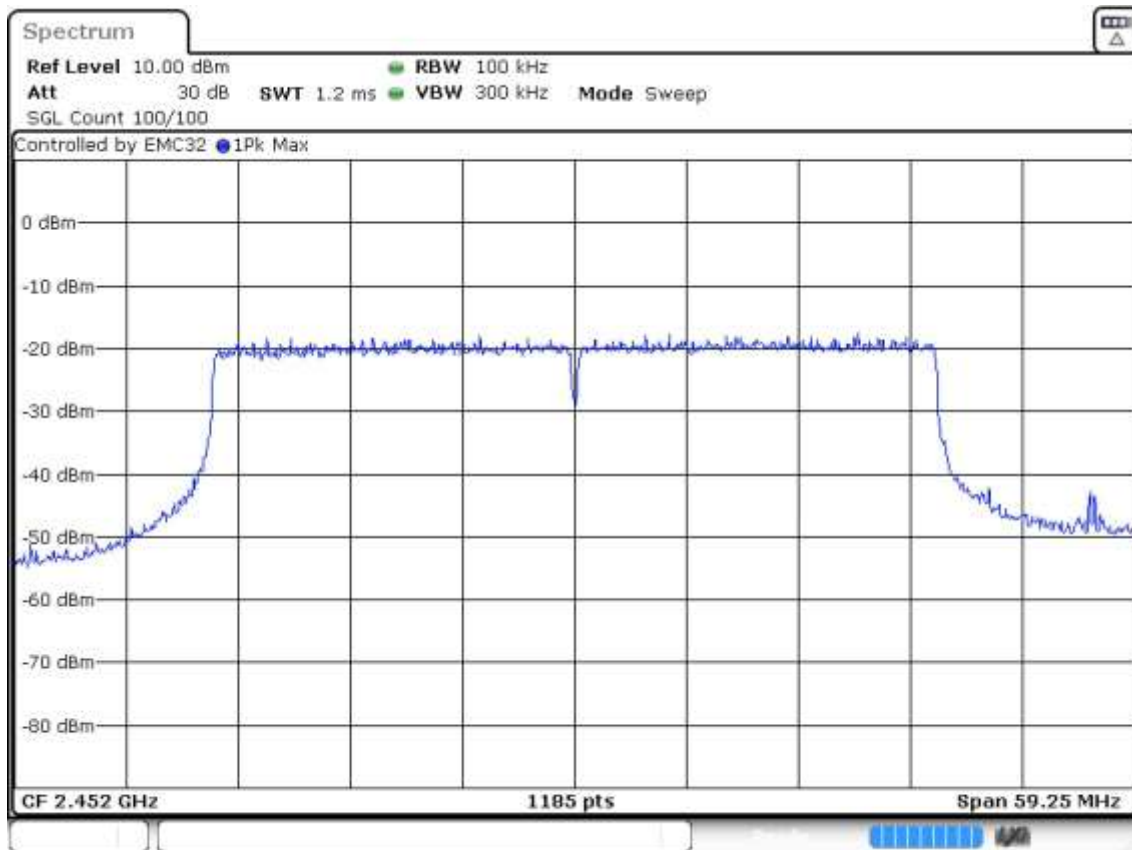
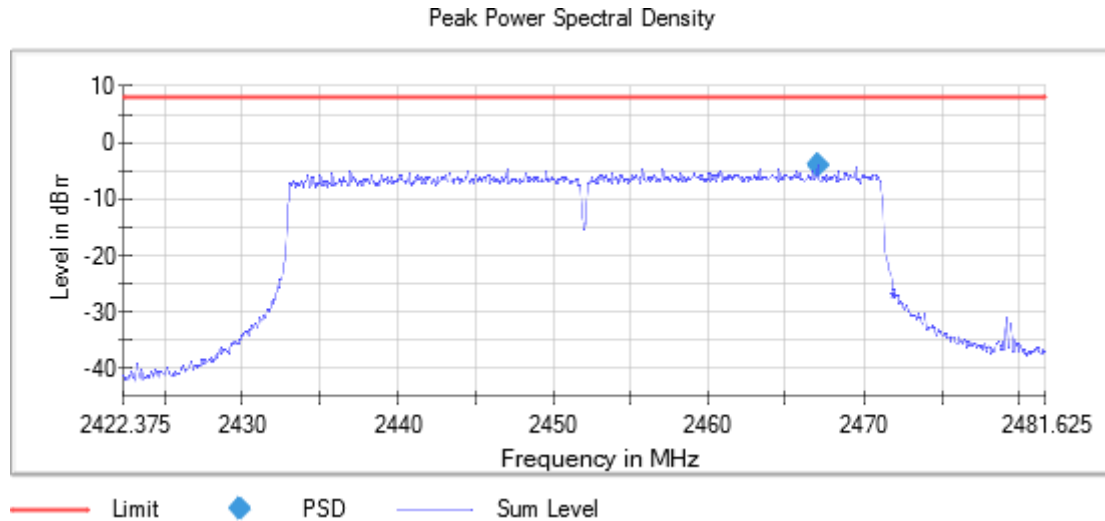
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2452.00000

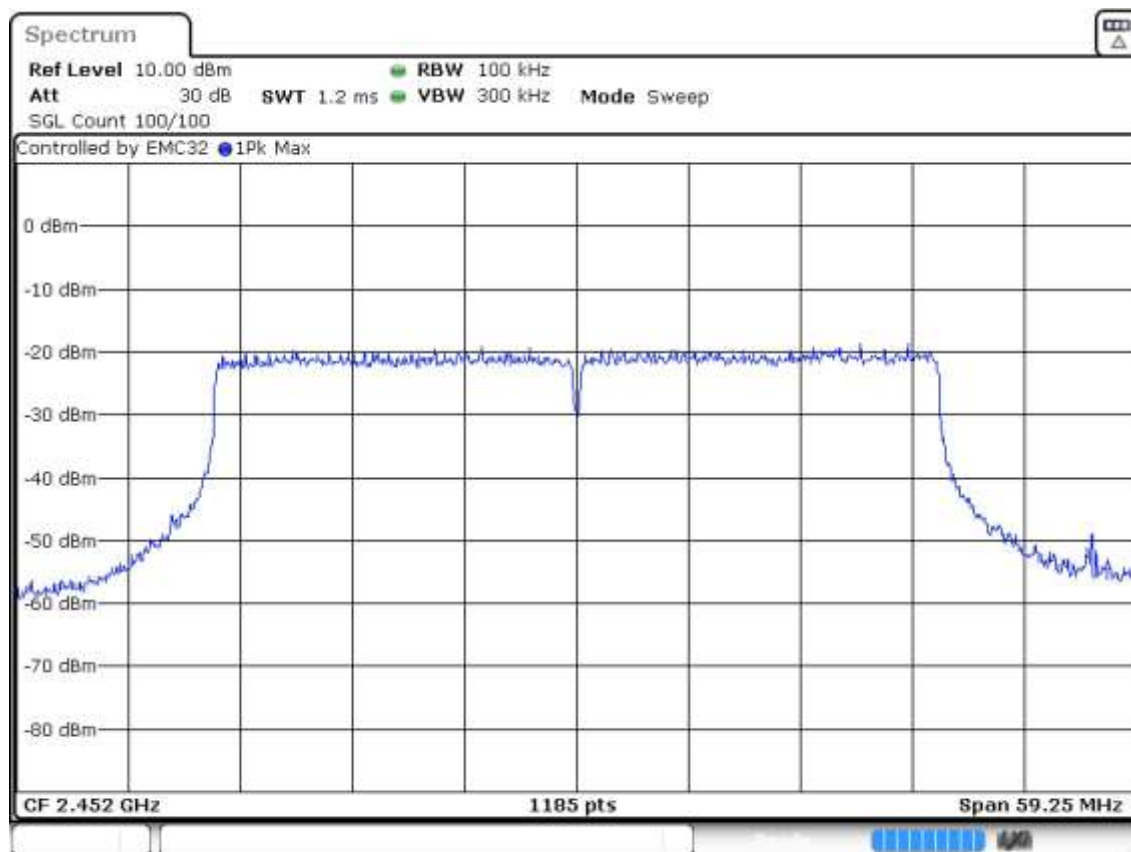
Active Port = 1+2

Modulation = 802.11ax HE40 SS1 (OFDMA MCS11)

Images:



Date: 12 DEC 2025 19:28:12



Date: 12 DEC. 2025 19:28:59

Appendix B: Test results. Partial RU

Appendix B

TEST CASES DETAILS 561

FCC 47 CFR PART 15.247 / RSS-247 561

99dBw Occupied Channel Bandwidth 99% 561

RSS-247 5.1 (b) / FCC 15.247 (a) (1) [20dBW] 20 dB Bandwidth 575

RSS-247 5.2 (a) / FCC 15.247 (a) (2) [6dBw] 6 dB Bandwidth 589

RSS-247 5.4 / FCC 15.247 (b) [Avcp] Maximum Average Conducted Output Power 603

RSS-247 5.5 / FCC 15.247 (d) [Bndedge] Band-edge emissions compliance (Transmitter) 616

[Psd] Power Spectral Density 636

Test cases details

FCC 47 CFR Part 15.247 / RSS-247

99dBw Occupied Channel Bandwidth 99%

Limits

RSS-Gen 6.7 / FCC 2.1049 - Occupied Channel Bandwidth 99%

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained.

Modulation: 802.11ax HE20 (OFDMA MCS0) - RU

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Occ Ch BW (MHz)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	1	18.600
		2437.00000		17.300
		2462.00000		18.800
		2412.00000	1+2	18.600
		2437.00000		17.400
		2462.00000		18.400

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

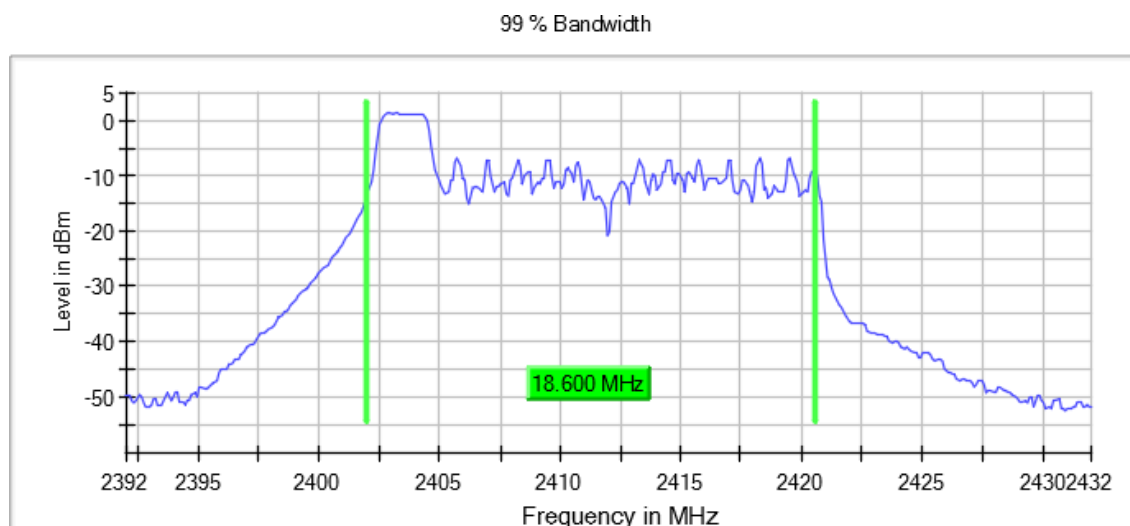
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Date: 11.FEB.2026 18:45:27

Operation Band MHz = [2400, 2483.5]

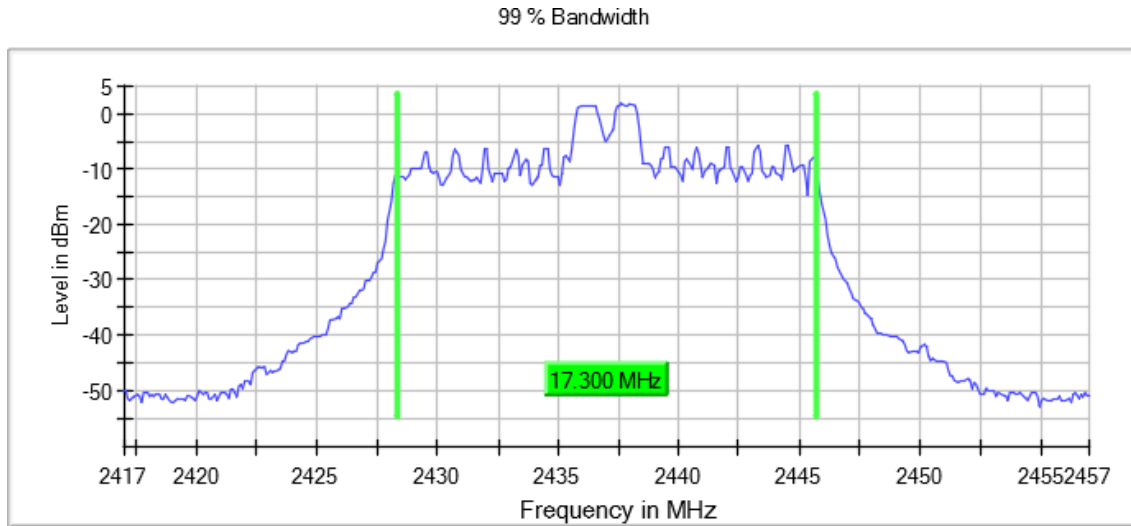
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Date: 11.FEB.2026 18:55:39

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

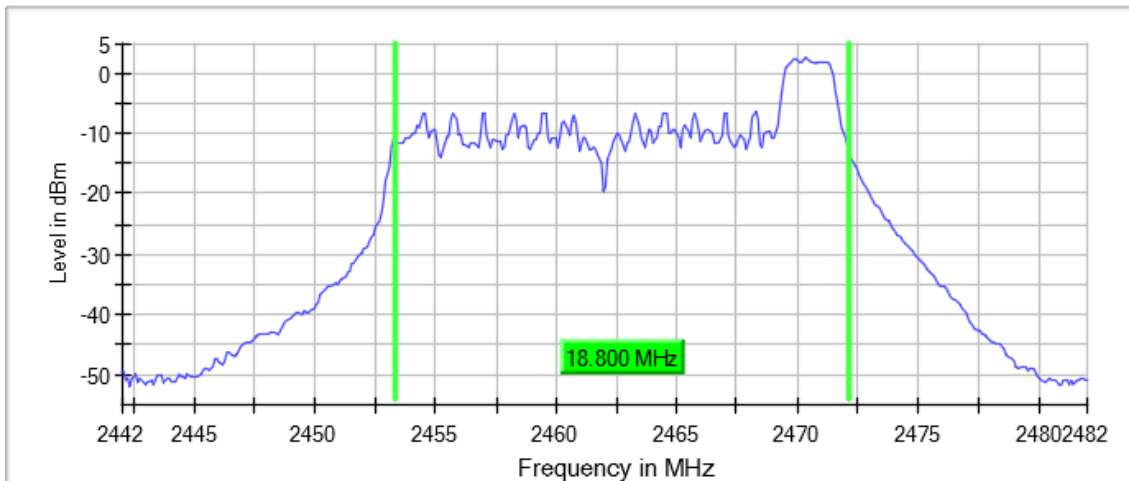
Frequency MHz = 2462.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 11.FEB.2026 19:23:46

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

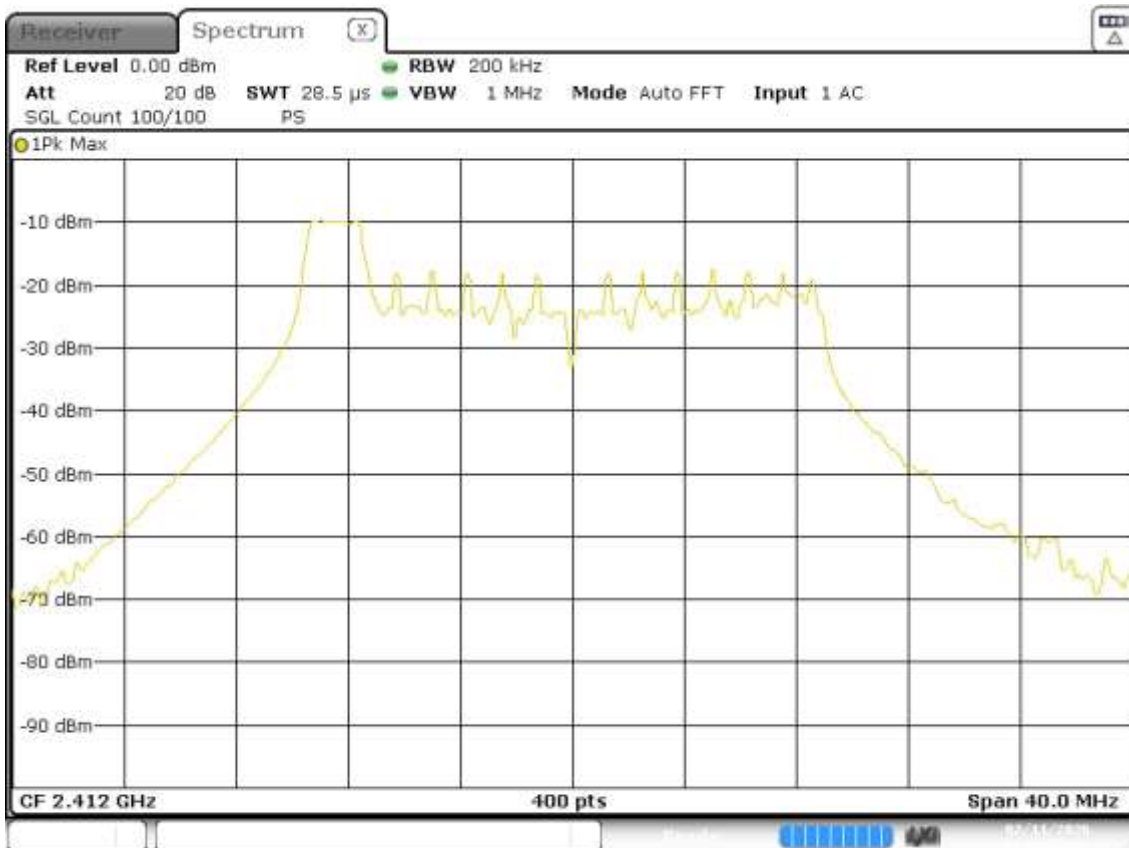
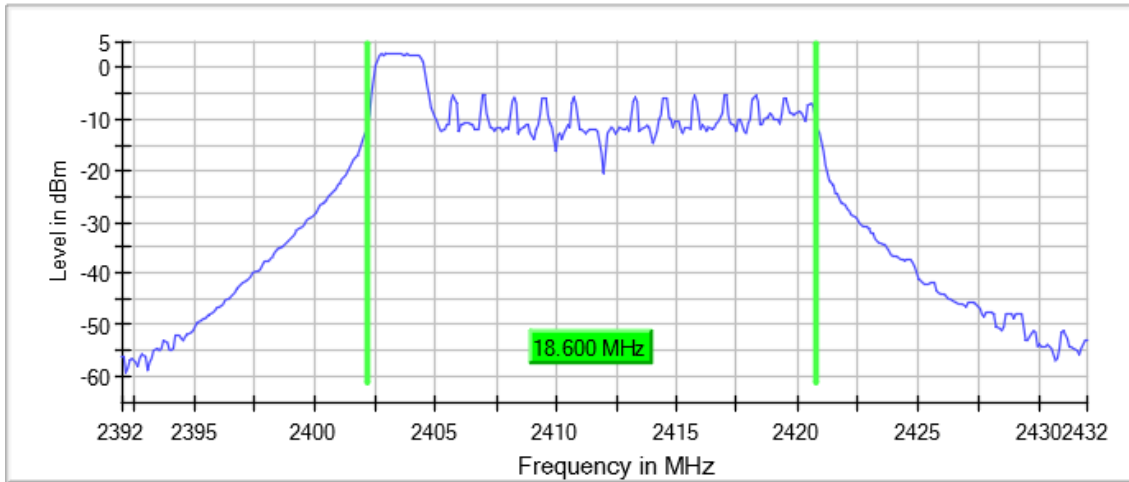
Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 11.FEB.2026 19:39:50

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

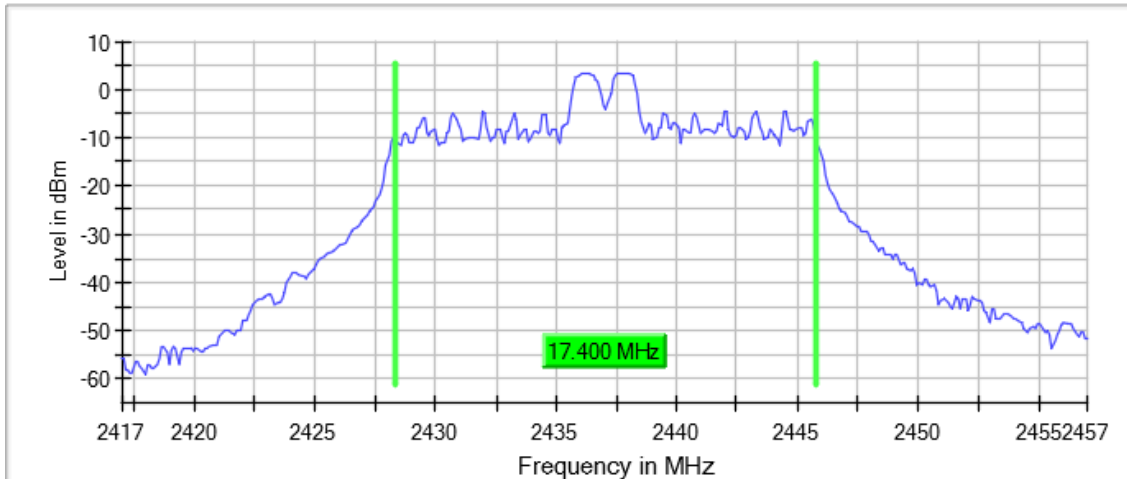
Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 11.FEB.2026 19:59:29

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

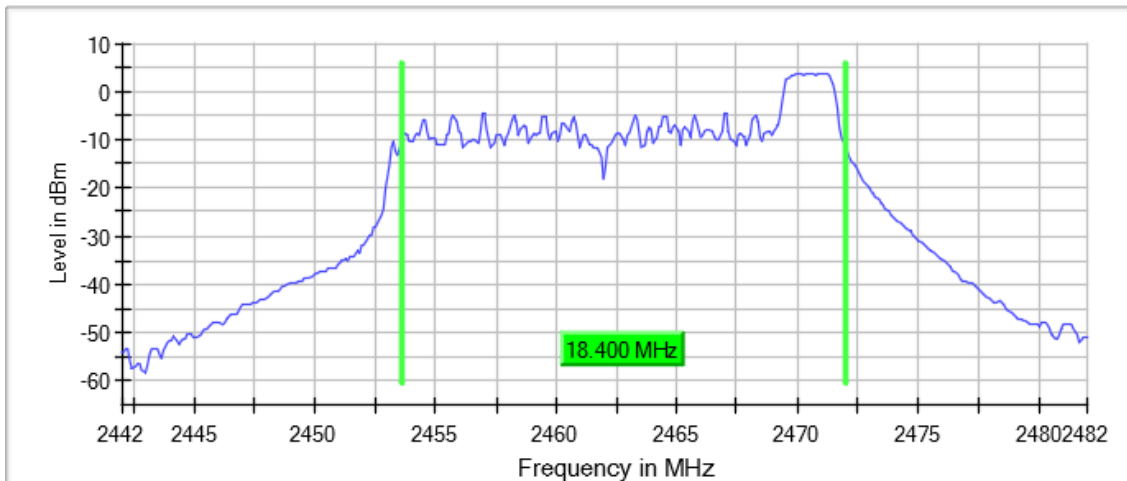
Frequency MHz = 2462.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 11.FEB.2026 20:12:55

Modulation: 802.11ax HE40 (OFDMA MCS0) - RU
Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Occ Ch BW (MHz)
[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1	38.500
		2437.00000		36.500
		2452.00000		38.000
		2422.00000	1+2	38.500
		2437.00000		35.750
		2452.00000		38.250

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

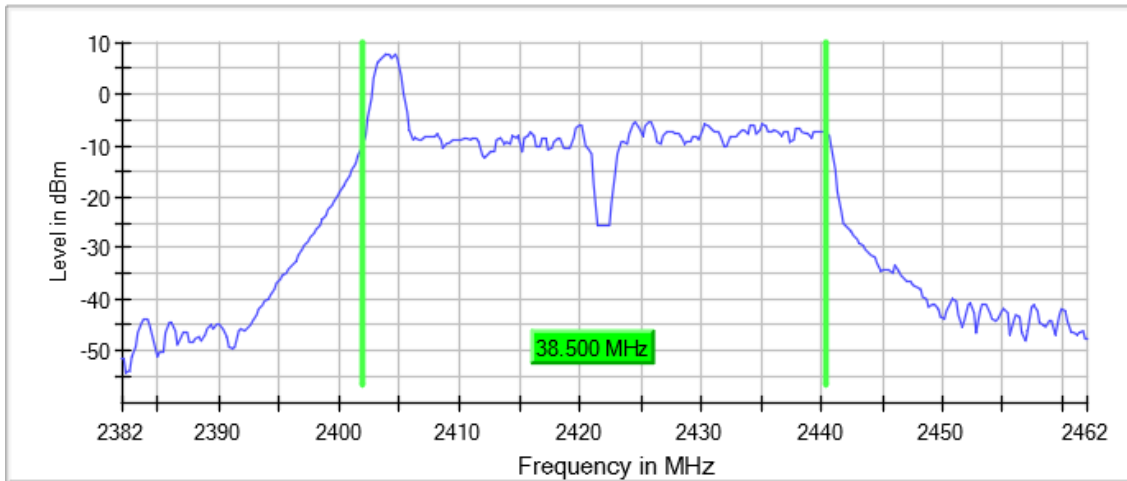
Frequency MHz = 2422.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 12.FEB.2026 12:36:52

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

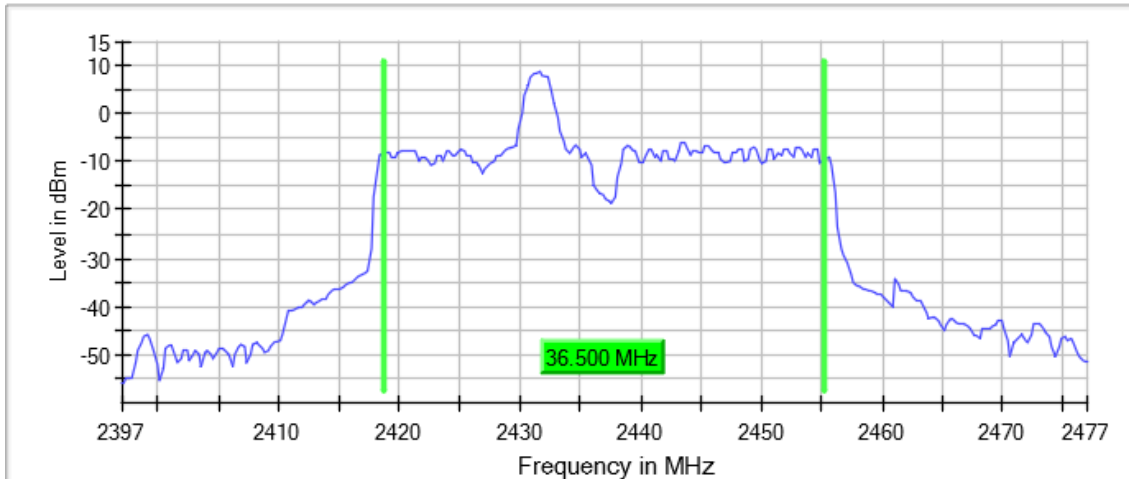
Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 12.FEB.2026 12:56:22

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

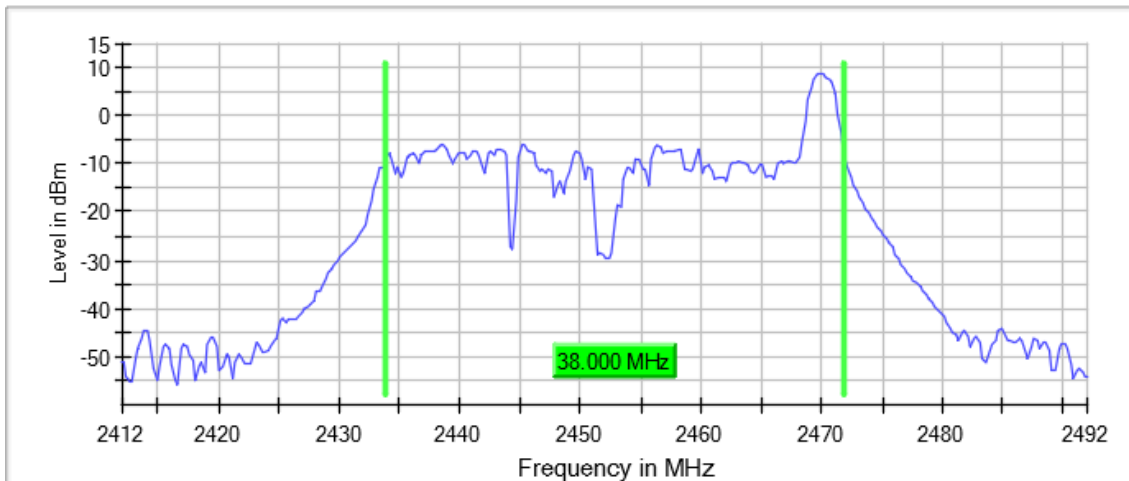
Frequency MHz = 2452.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 12.FEB.2026 13:09:10

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

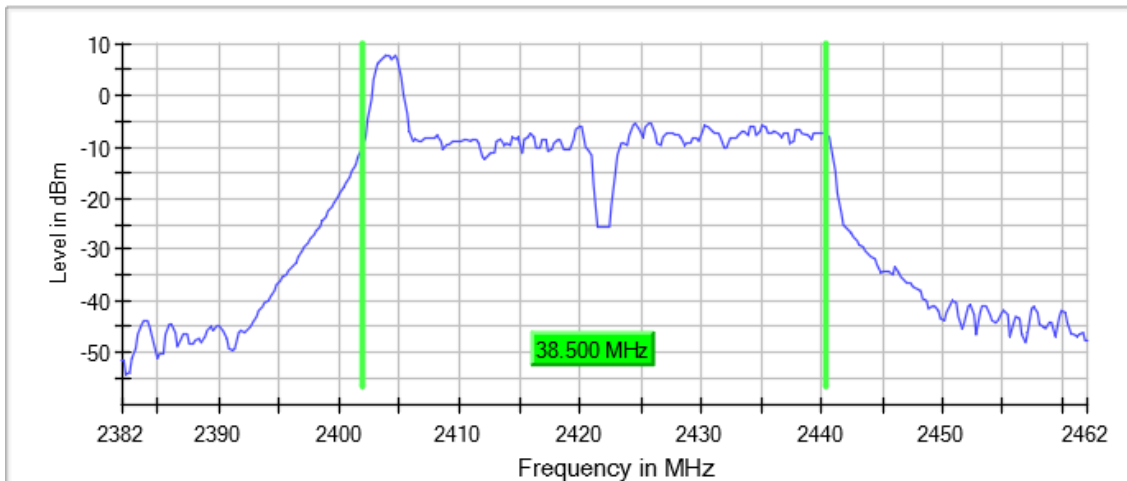
Frequency MHz = 2422.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 12.FEB.2026 10:46:53

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

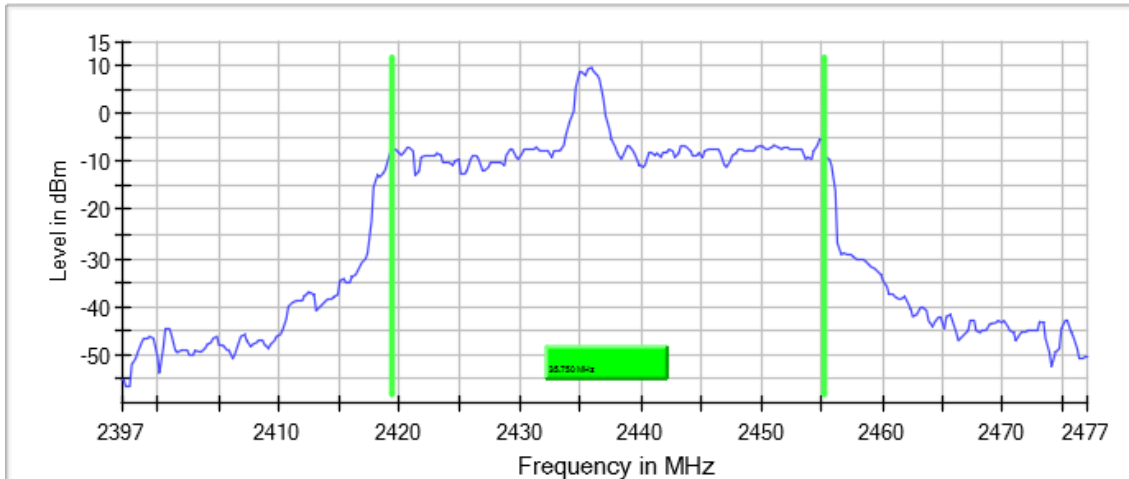
Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 12.FEB.2026 11:31:25

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

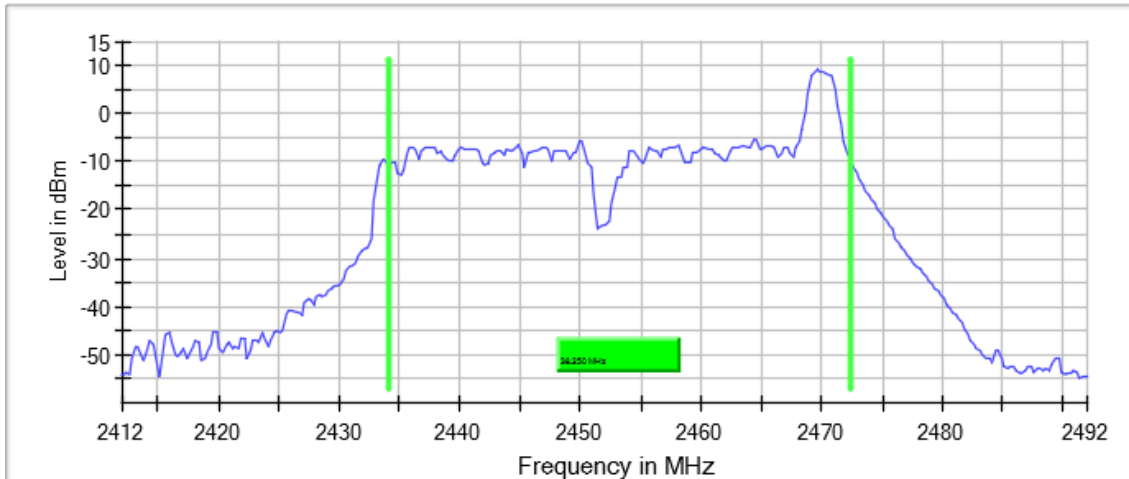
Frequency MHz = 2452.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

99 % Bandwidth



Date: 12.FEB.2026 11:47:46

RSS-247 5.1 (b) / FCC 15.247 (a) (1) [20dBW] 20 dB Bandwidth

Limits

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

Modulation: 802.11ax HE20 (OFDMA MCS0) - RU

Results

Equipment	Freq (MHz)	Port	Ebw (MHz)
Digital Transmission System (DTS)	2412.00000	1	19.400
	2437.00000		18.200
	2462.00000		19.600
	2412.00000	1+2	19.400
	2437.00000		18.200
	2462.00000		19.600

Verdict

Pass

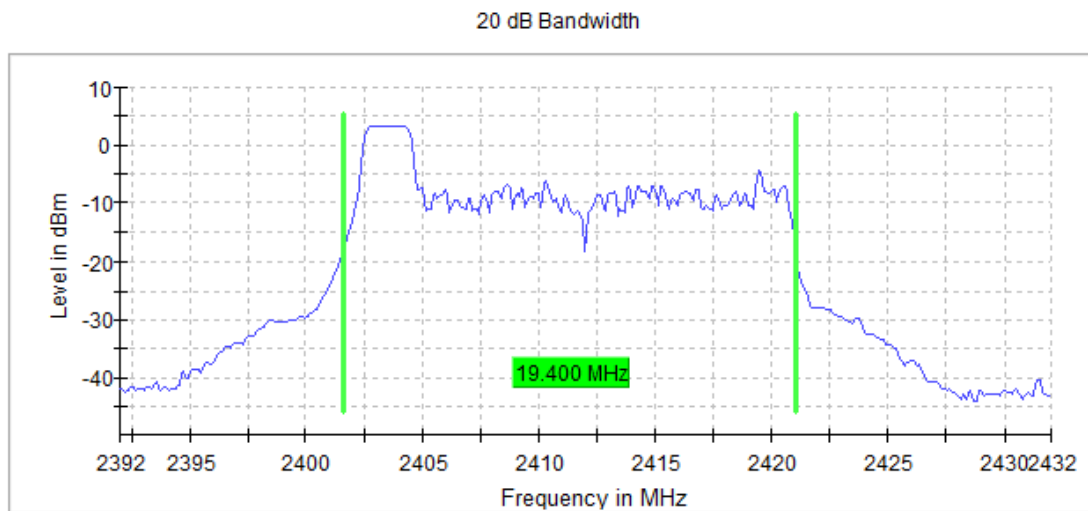
Attachments

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2412.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

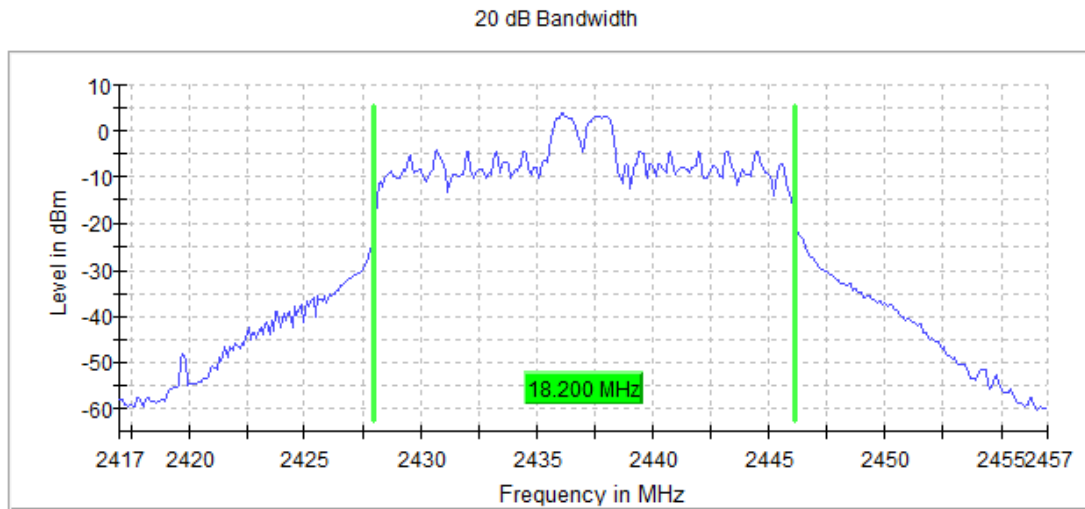


Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

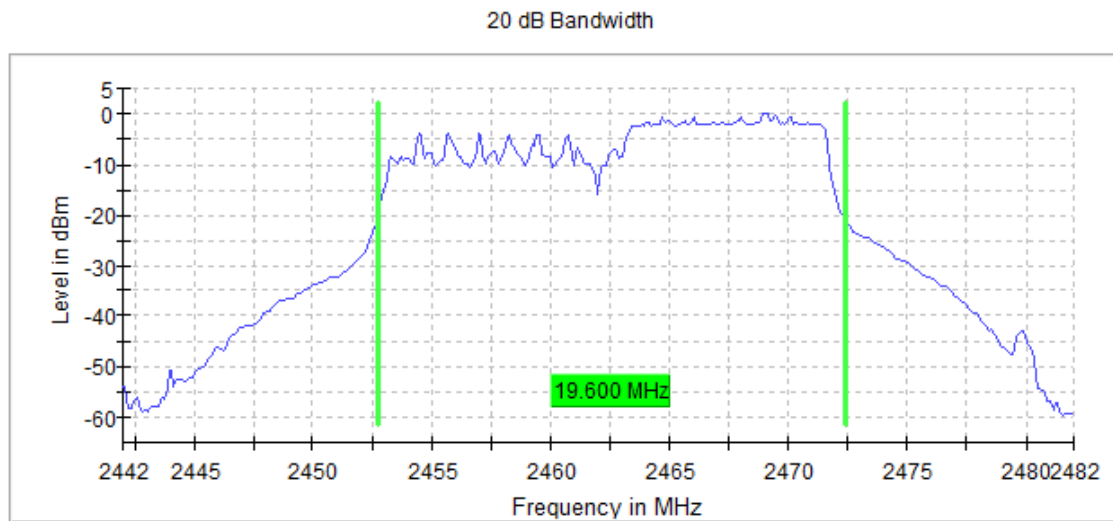


Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2462.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

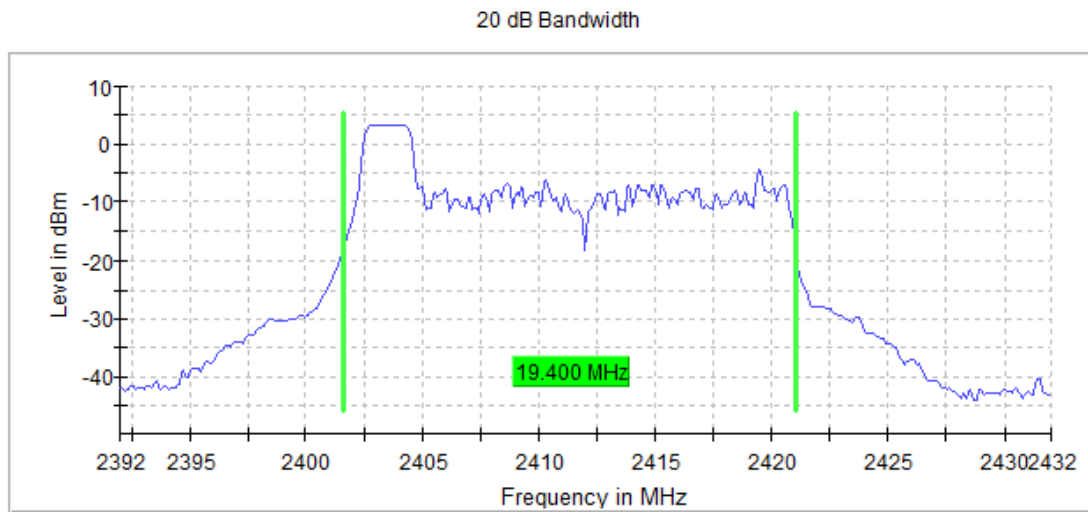


Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

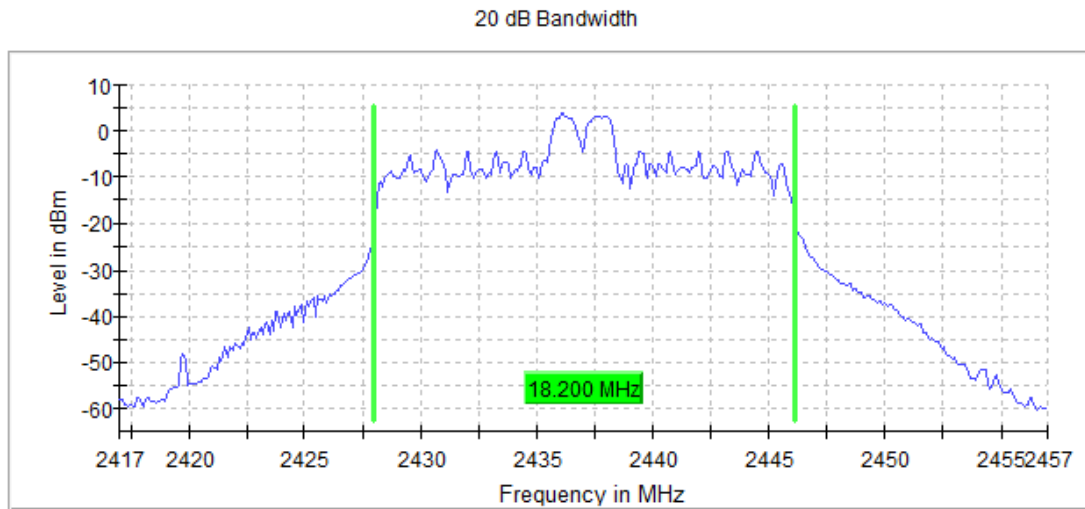


Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

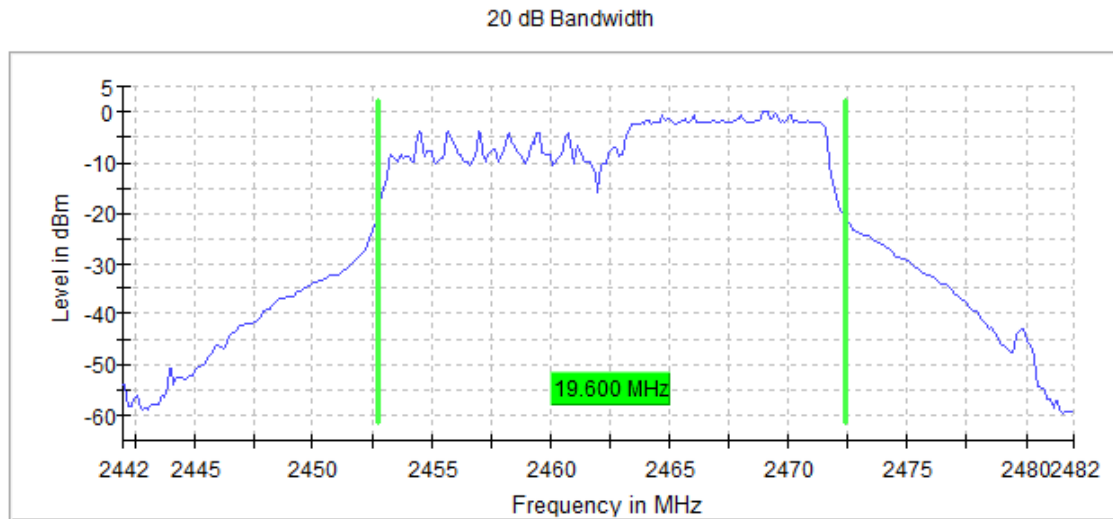


Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2462.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Modulation: 802.11ax HE40 (OFDMA MCS0) - RU
Results

Equipment	Freq (MHz)	Port	Ebw (MHz)
Digital Transmission System (DTS)	2422.00000	1	39.750
	2437.00000		37.250
	2452.00000		39.500
	2422.00000	1+2	39.750
	2437.00000		38.000
	2452.00000		39.250

Verdict

Pass

Attachments

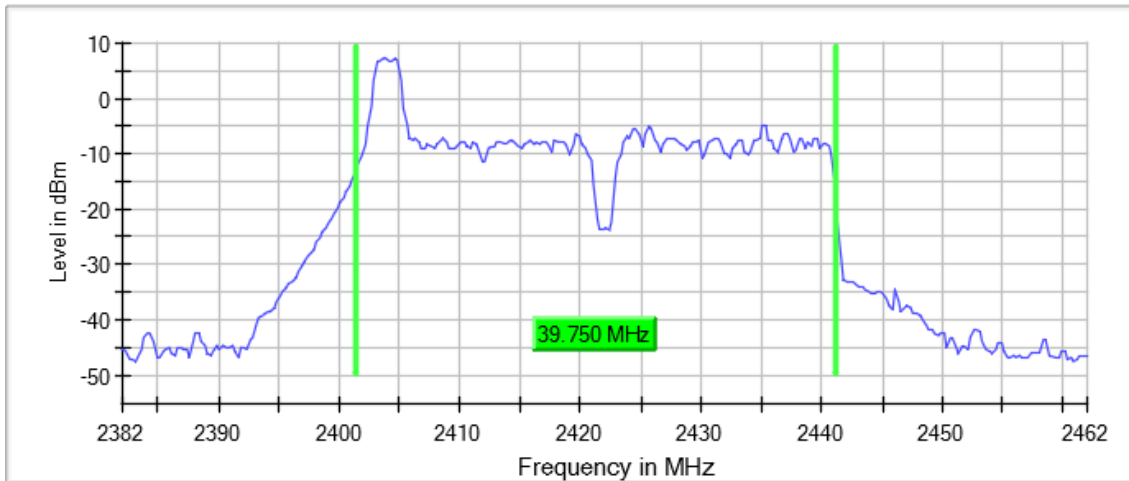
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2422.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

20 dB Bandwidth



Date: 12.FEB.2026 12:31:42

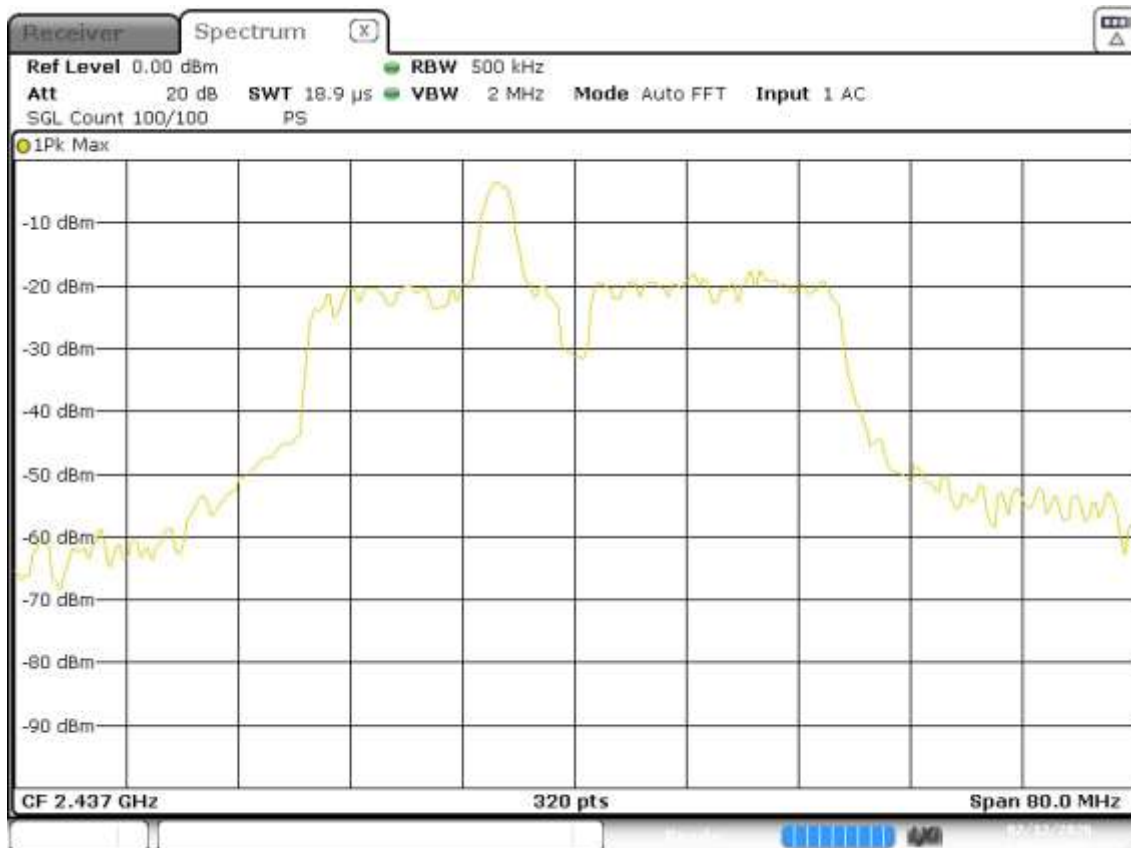
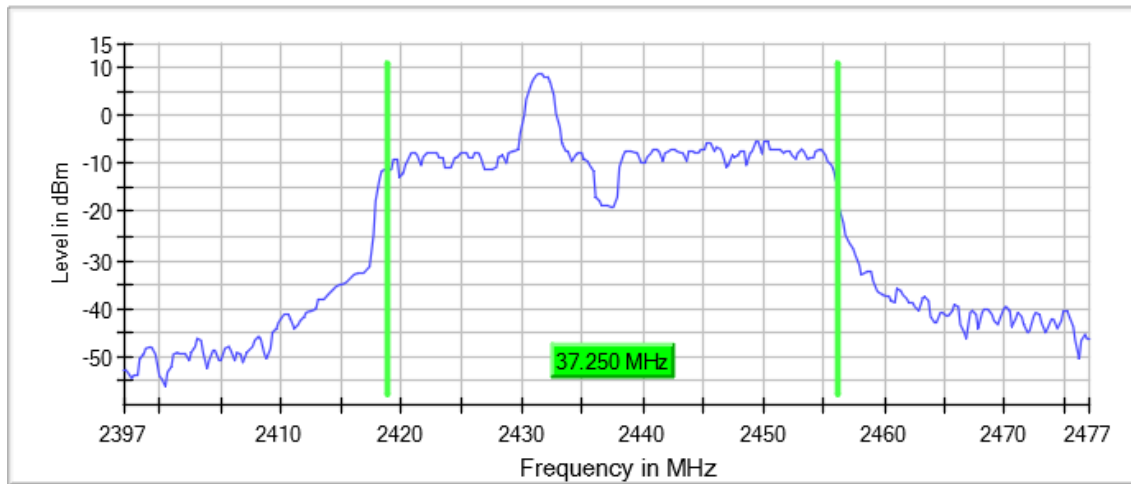
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

20 dB Bandwidth



Date: 12.FEB.2026 12:51:27

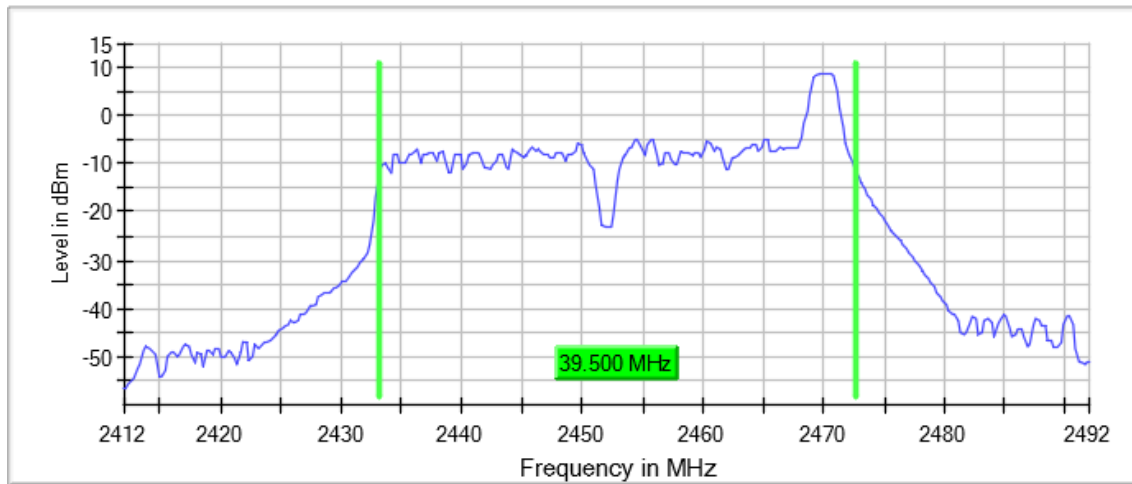
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2452.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

20 dB Bandwidth



Date: 12.FEB.2026 13:05:11

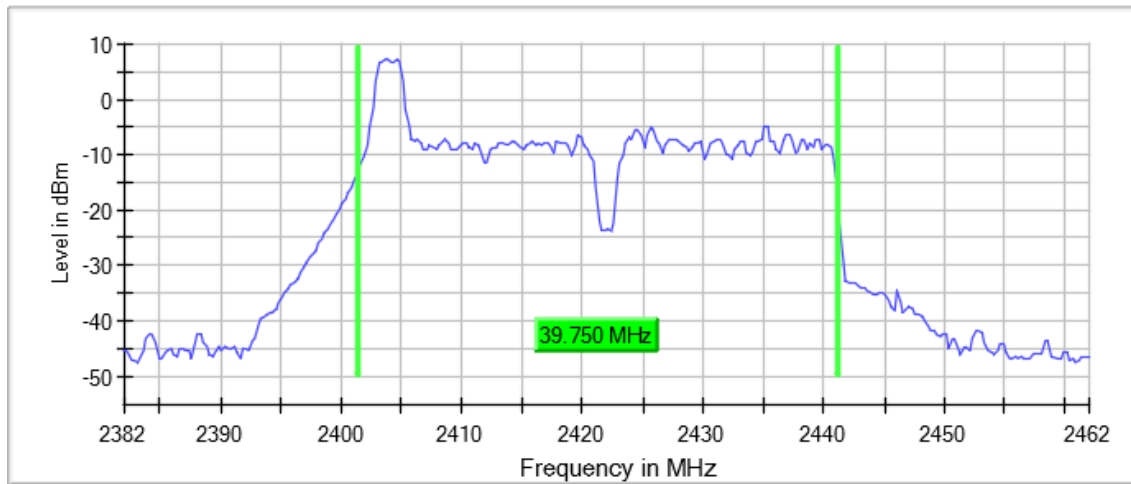
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2422.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

20 dB Bandwidth



Date: 12.FEB.2026 10:40:17

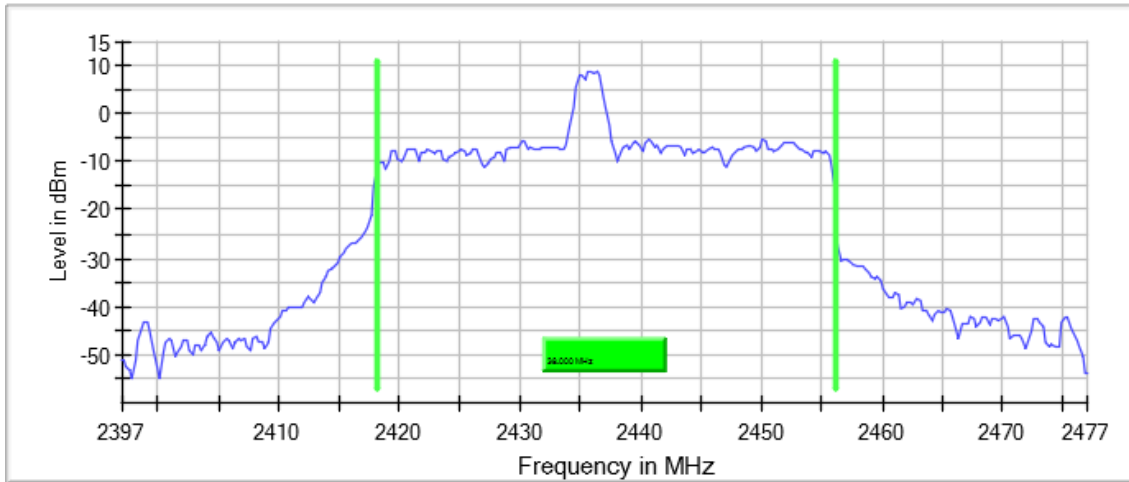
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

20 dB Bandwidth



Date: 12.FEB.2026 11:23:24

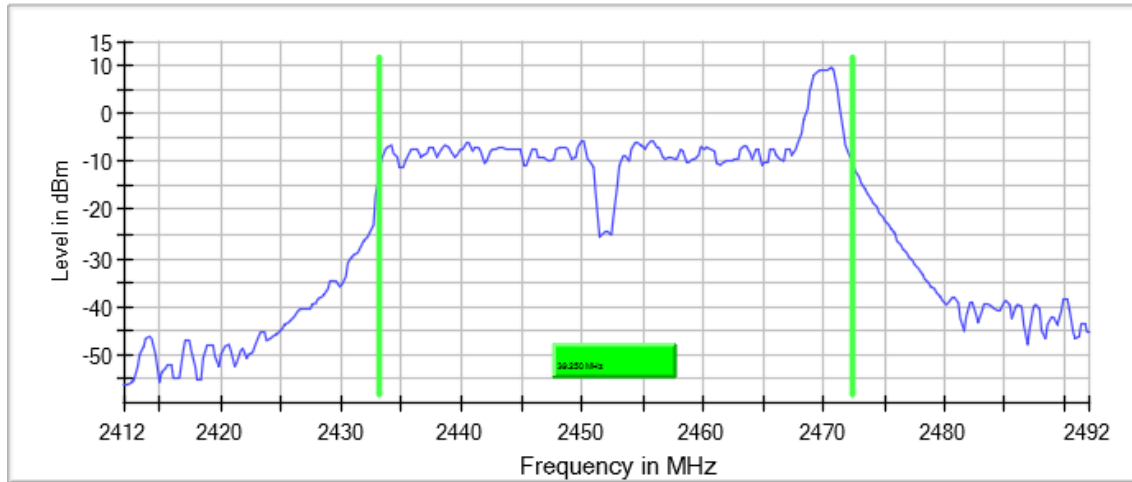
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2452.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

20 dB Bandwidth



Date: 12.FEB.2026 11:40:48

RSS-247 5.2 (a) / FCC 15.247 (a) (2) [6dBw] 6 dB Bandwidth

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.

Modulation: 802.11ax HE20 (OFDMA MCS0) - RU

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Ebw (MHz)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	1	2.750
		2437.00000		3.250
		2462.00000		2.500
		2412.00000	1+2	2.750
		2437.00000		3.250
		2462.00000		2.750

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

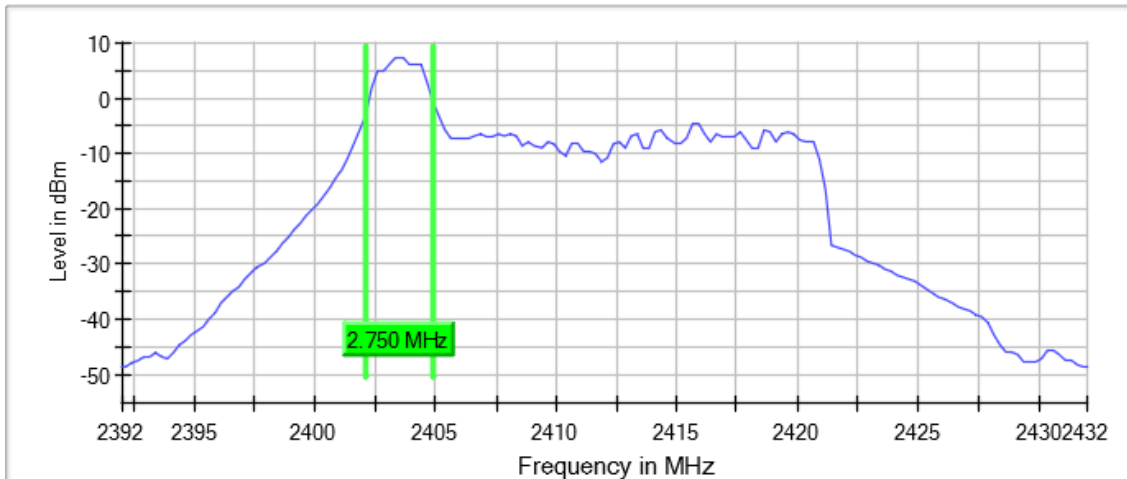
Frequency MHz = 2412.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

6 dB Bandwidth



Operation Band MHz = [2400, 2483.5]

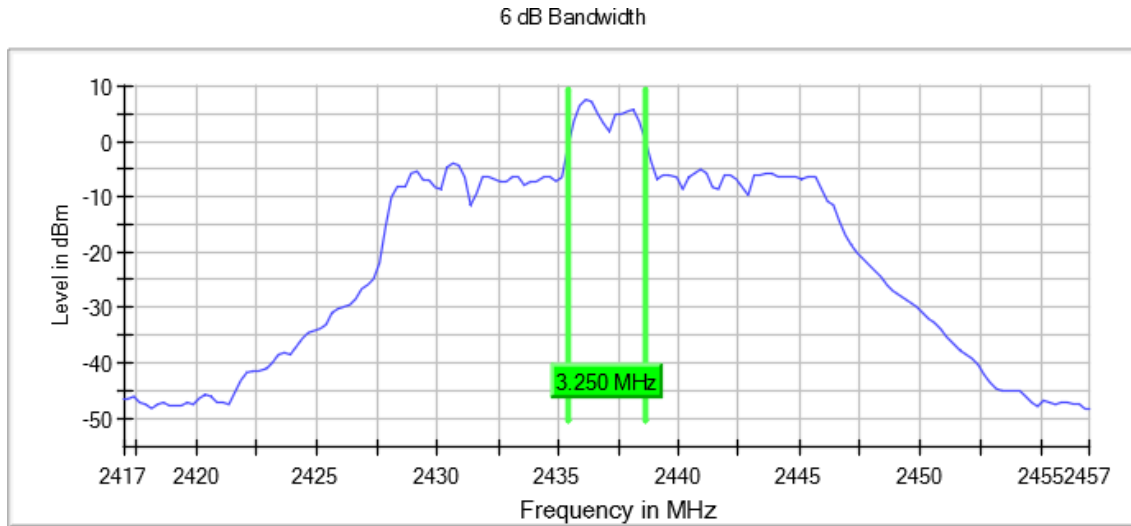
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Date: 11.FEB.2026 18:50:31

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

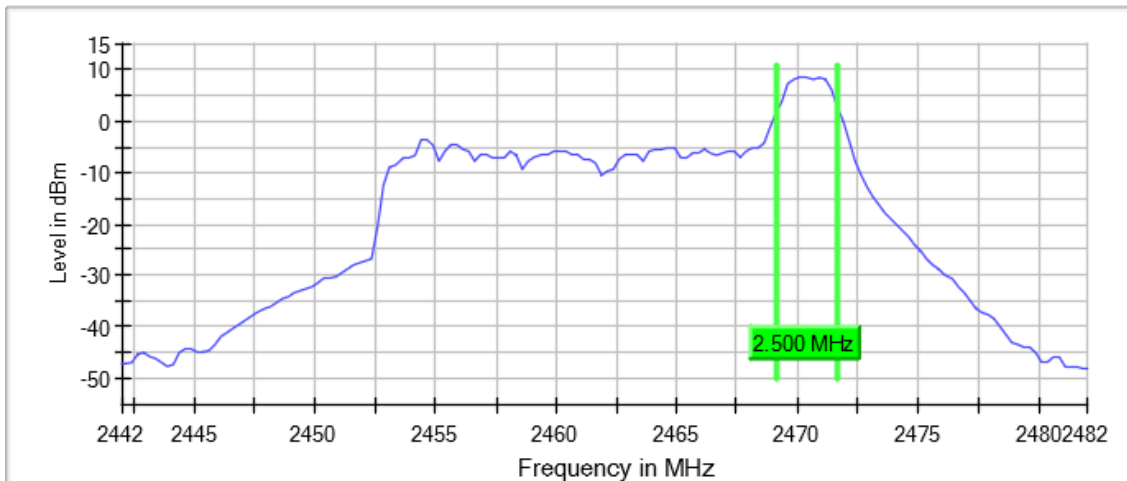
Frequency MHz = 2462.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

6 dB Bandwidth



Date: 11.FEB.2026 19:18:14

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

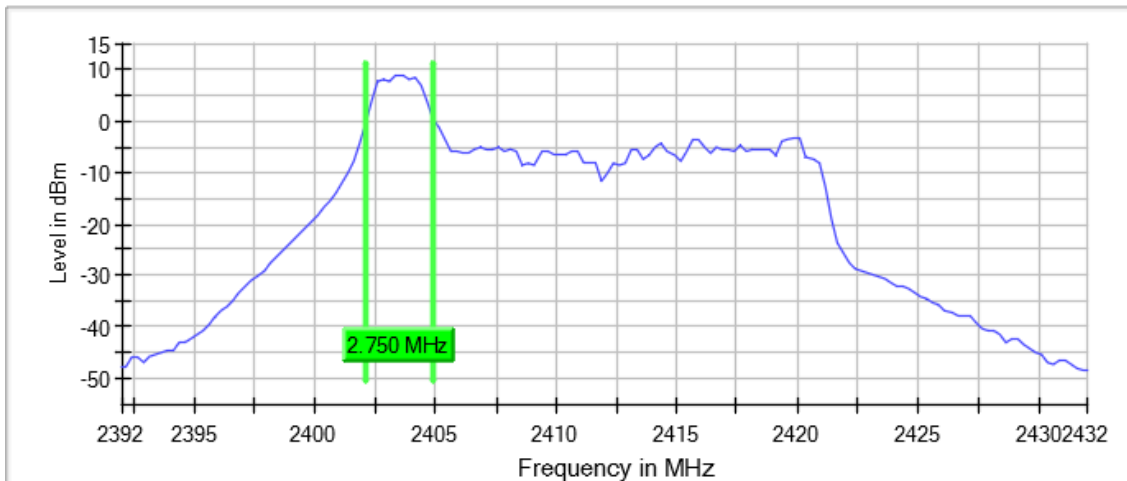
Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

6 dB Bandwidth



Date: 11.FEB.2026 19:29:27

Operation Band MHz = [2400, 2483.5]

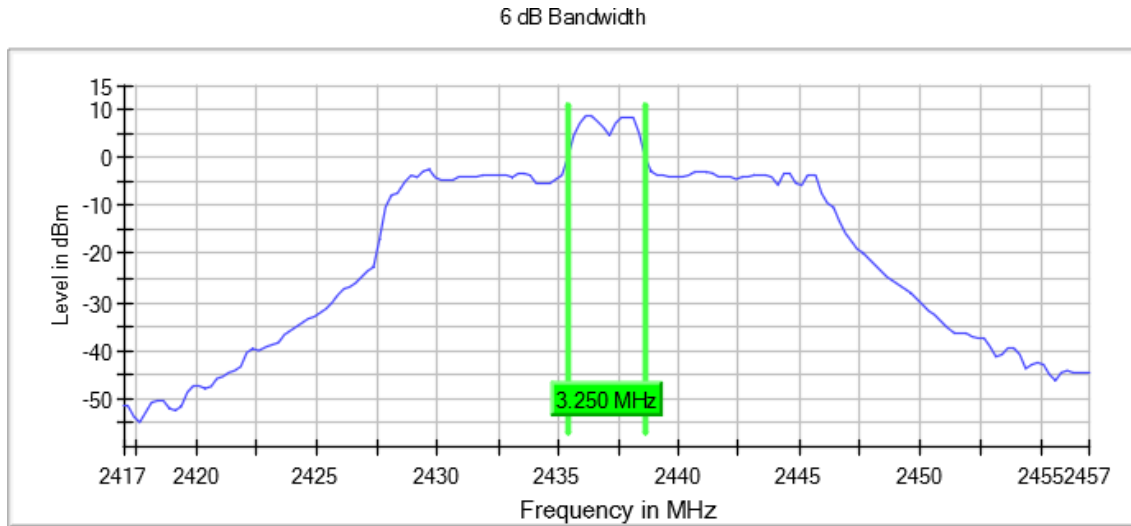
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Date: 11.FEB.2026 19:49:03

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

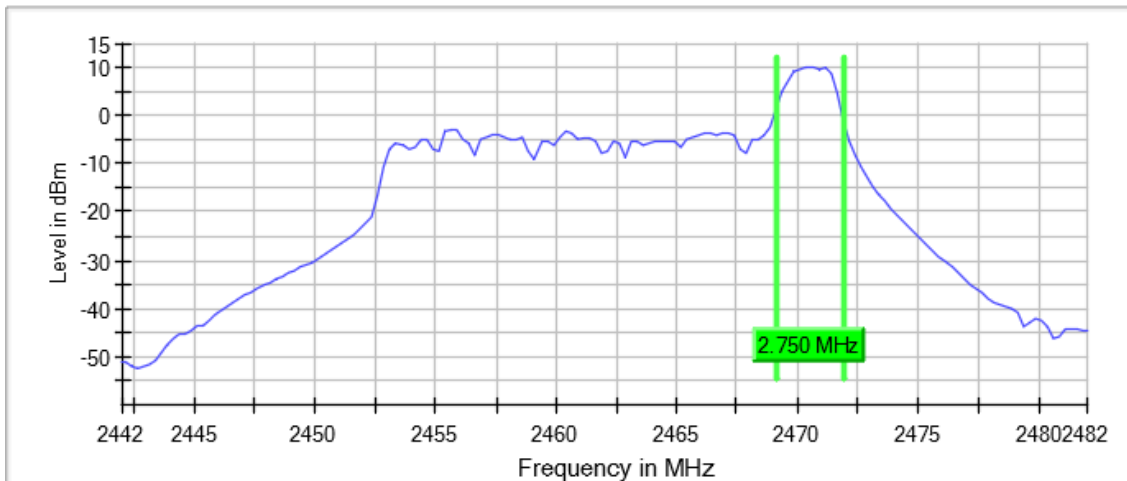
Frequency MHz = 2462.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

6 dB Bandwidth



Date: 11.FEB.2026 20:01:13

Modulation: 802.11ax HE40 (OFDMA MCS0) - RU
Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Ebw (MHz)
[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1	3.500
		2437.00000		3.500
		2452.00000		3.500
		2422.00000	1+2	3.500
		2437.00000		4.000
		2452.00000		3.500

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

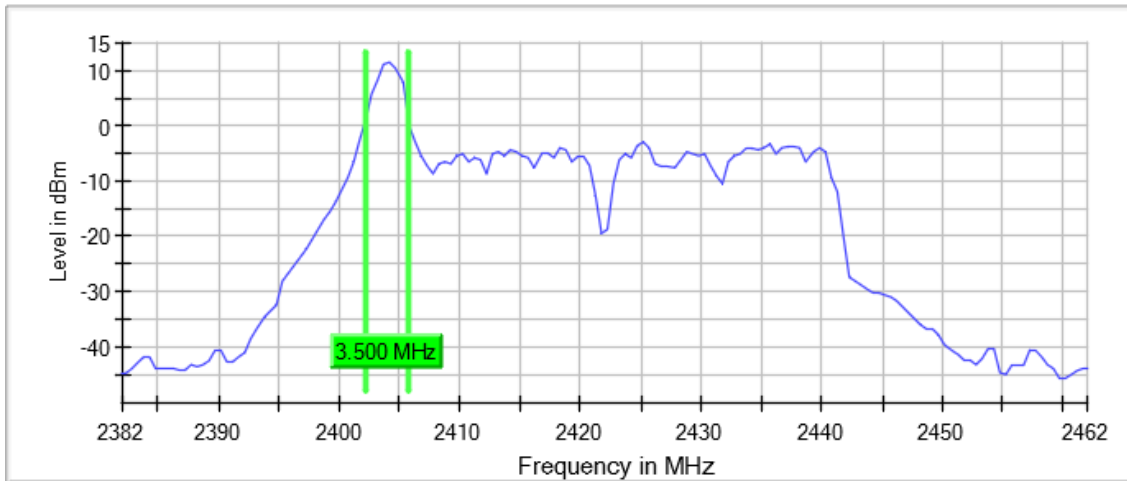
Frequency MHz = 2422.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

6 dB Bandwidth



Operation Band MHz = [2400, 2483.5]

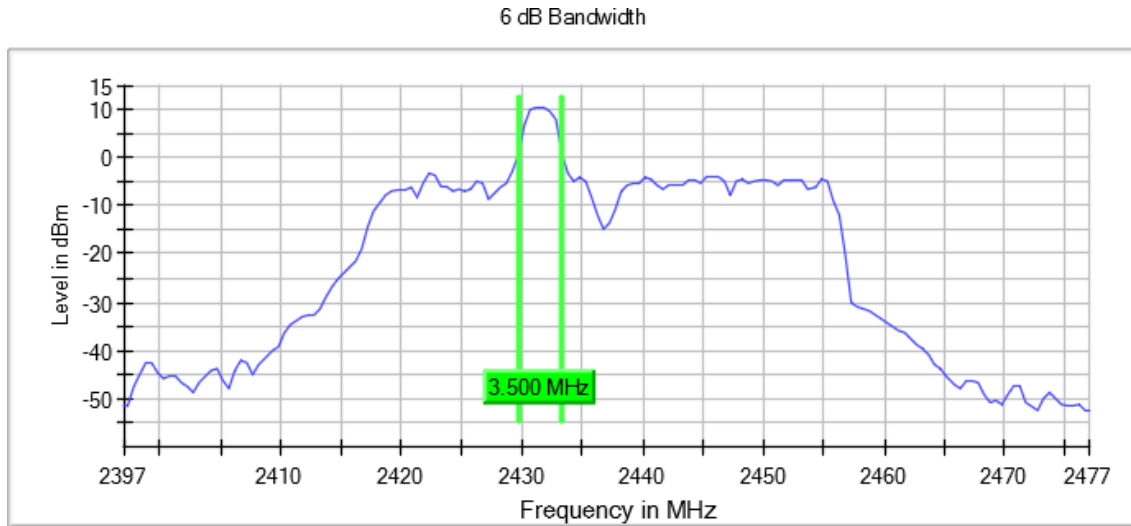
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Date: 12.FEB.2026 12:51:48

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

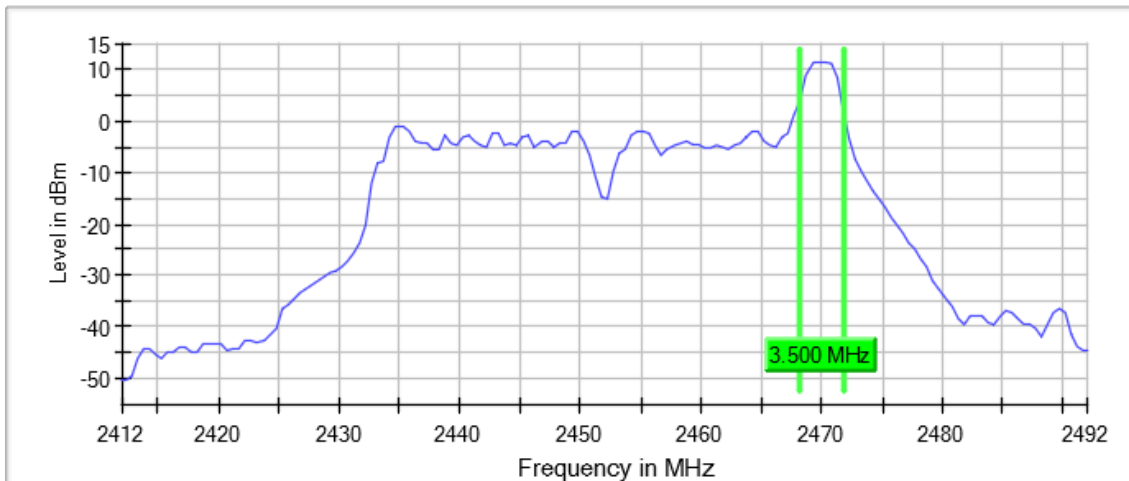
Frequency MHz = 2452.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

6 dB Bandwidth



Date: 12.FEB.2026 13:05:49

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

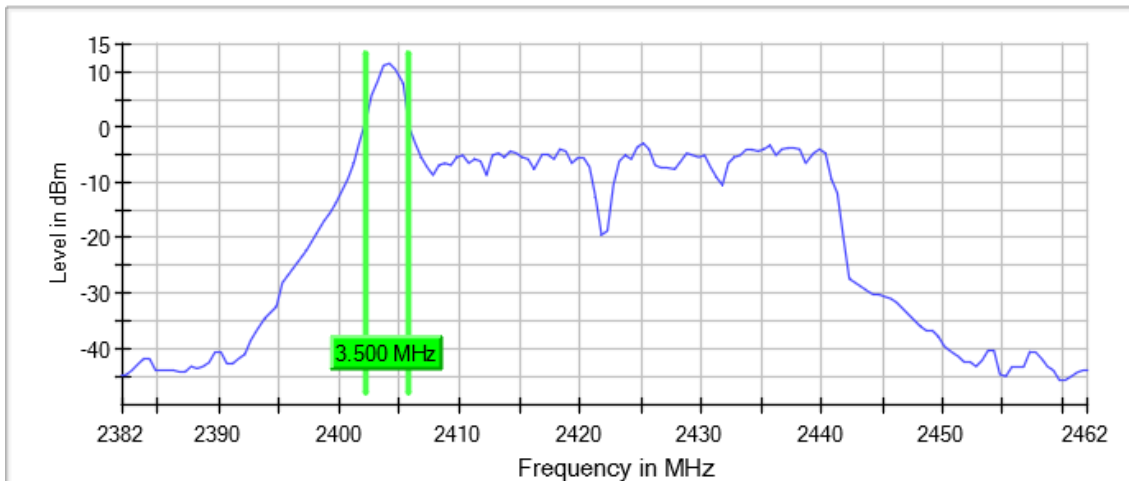
Frequency MHz = 2422.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

6 dB Bandwidth



Date: 12.FEB.2026 10:40:35

Operation Band MHz = [2400, 2483.5]

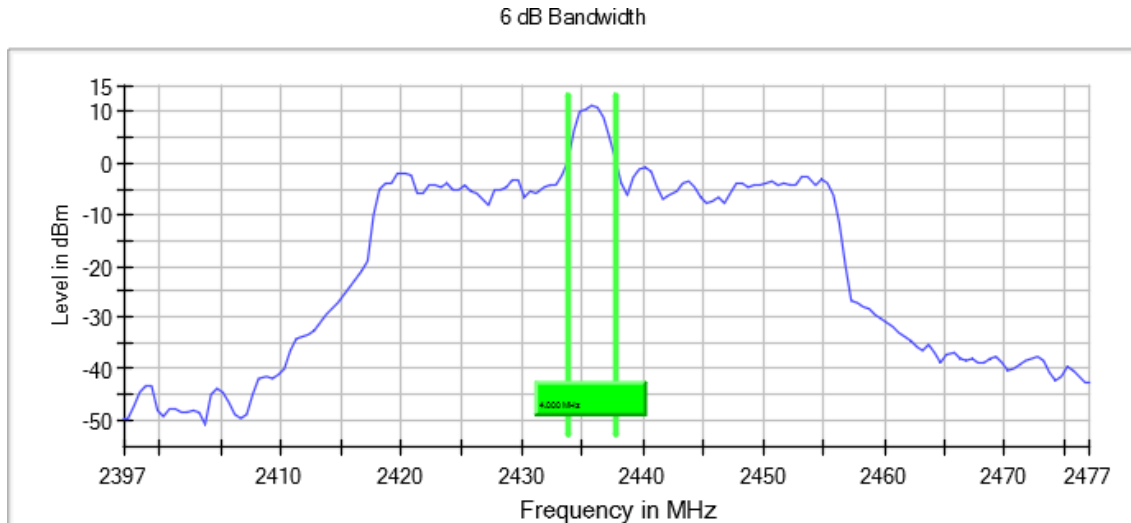
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Date: 12.FEB.2026 11:23:57

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

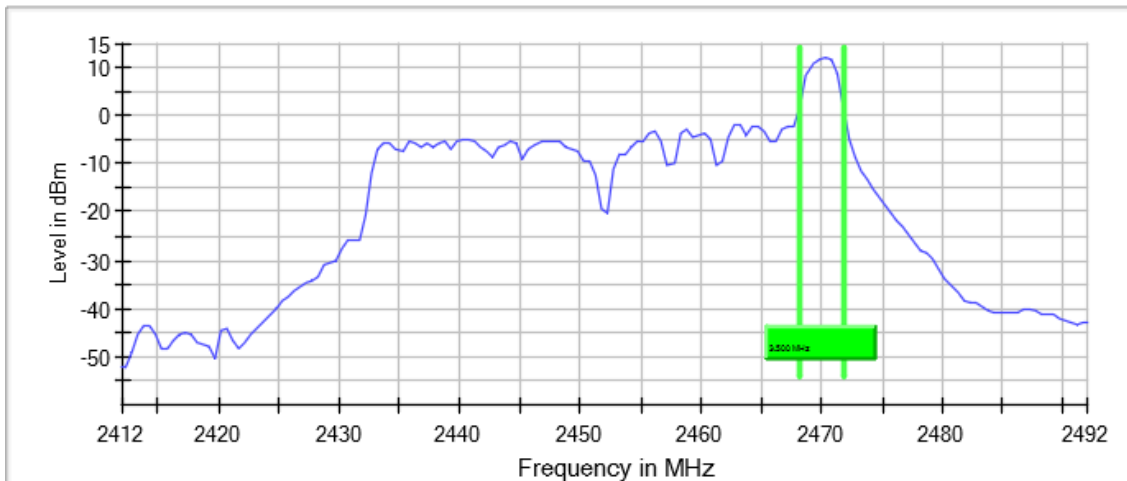
Frequency MHz = 2452.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:

6 dB Bandwidth



Date: 12.FEB.2026 11:41:08

RSS-247 5.4 / FCC 15.247 (b) [Avcp] Maximum Average Conducted Output Power

Limits

FCC 15.247 (b) (3)

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one-Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signalling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

RSS 5.4 (d)

For DTSs employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W. The e.i.r.p. shall not exceed 4 W, except as provided in section 5.4(e).

Modulation: 802.11ax HE20 (OFDMA MCS0) - RU

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Avg Power (dBm)	E.I.R.P. (dBm)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	1	4.44	6.34
		2437.00000		5.04	6.94
		2462.00000		5.41	7.31
		2412.00000	1+2	7.10	9.00
		2437.00000		7.70	9.60
		2462.00000		8.00	9.90

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

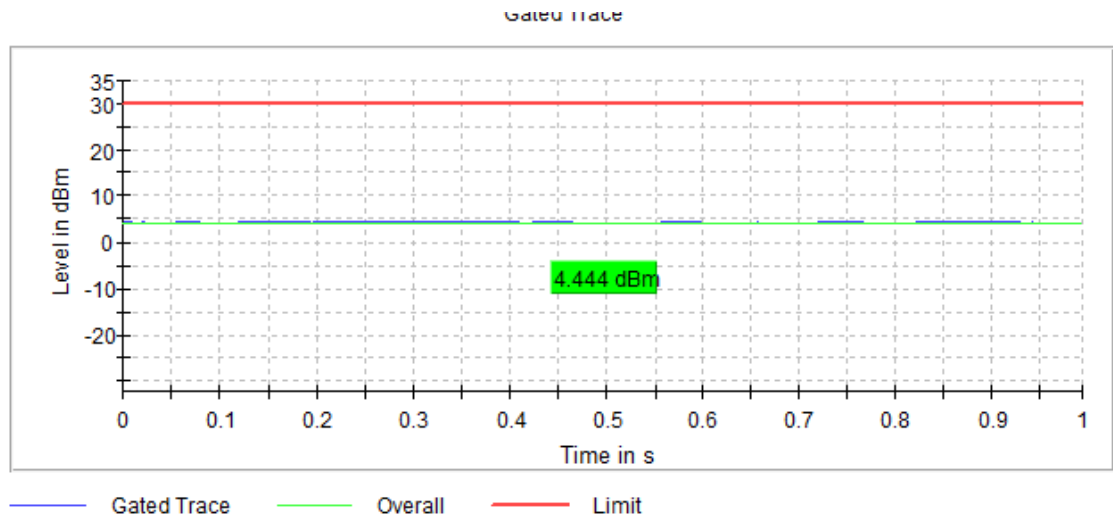
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

Operation Band MHz = [2400, 2483.5]

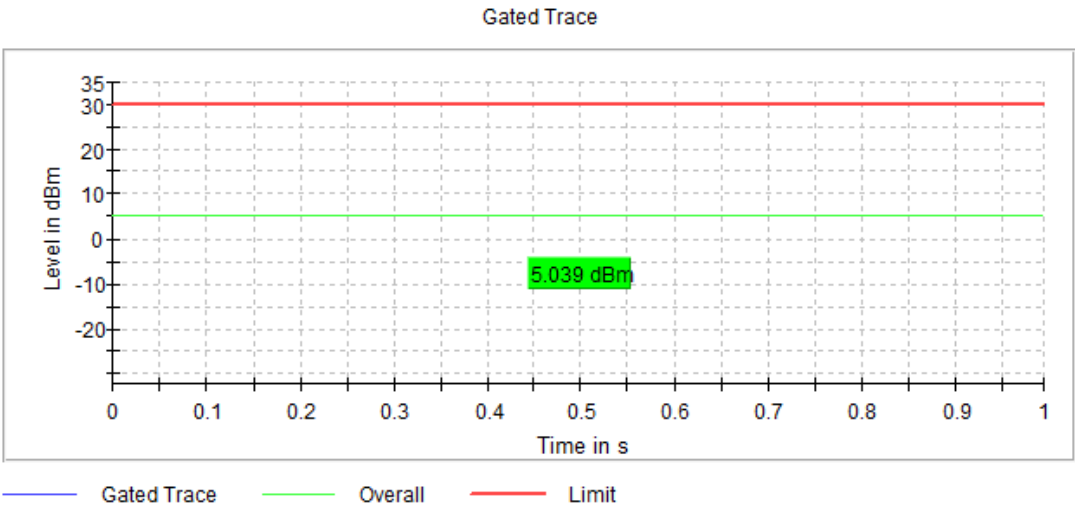
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

Operation Band MHz = [2400, 2483.5]

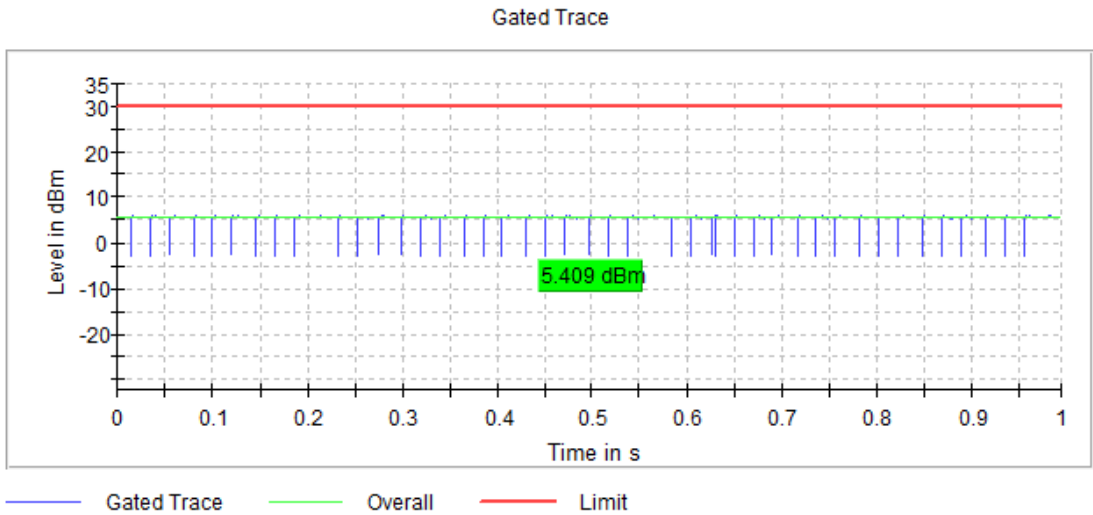
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

Operation Band MHz = [2400, 2483.5]

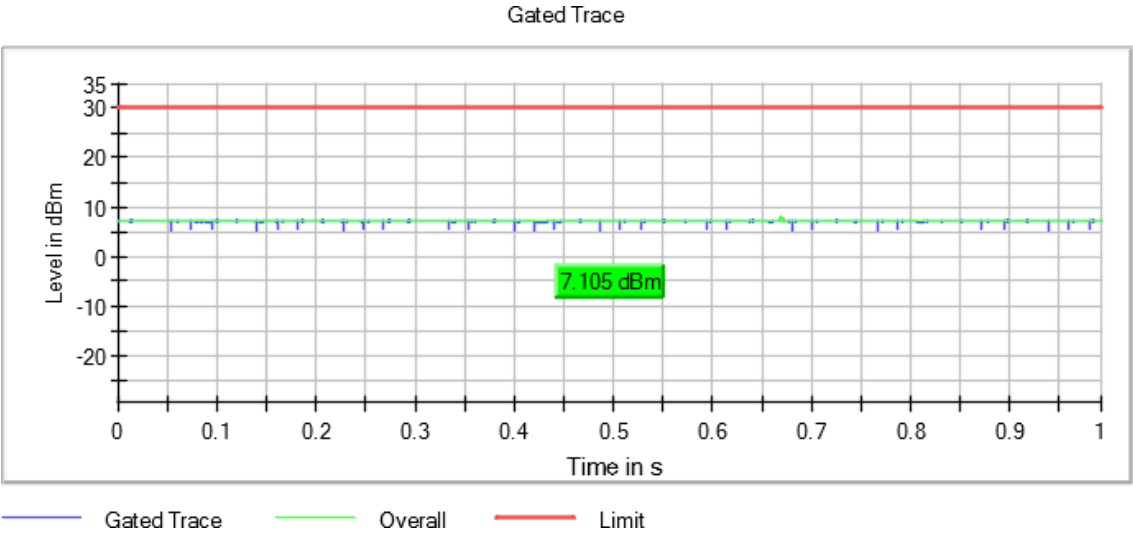
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

Operation Band MHz = [2400, 2483.5]

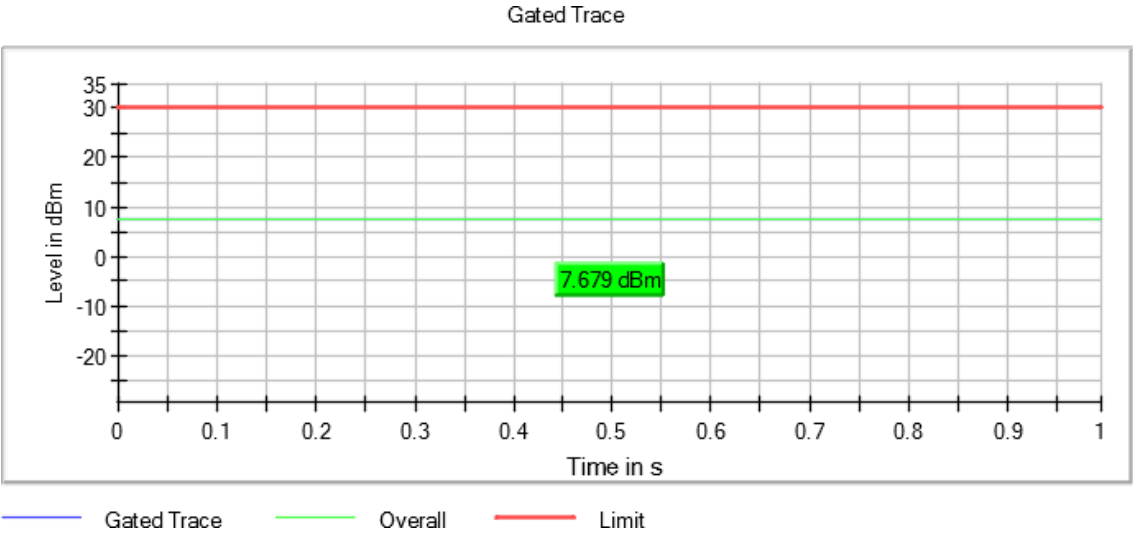
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

Operation Band MHz = [2400, 2483.5]

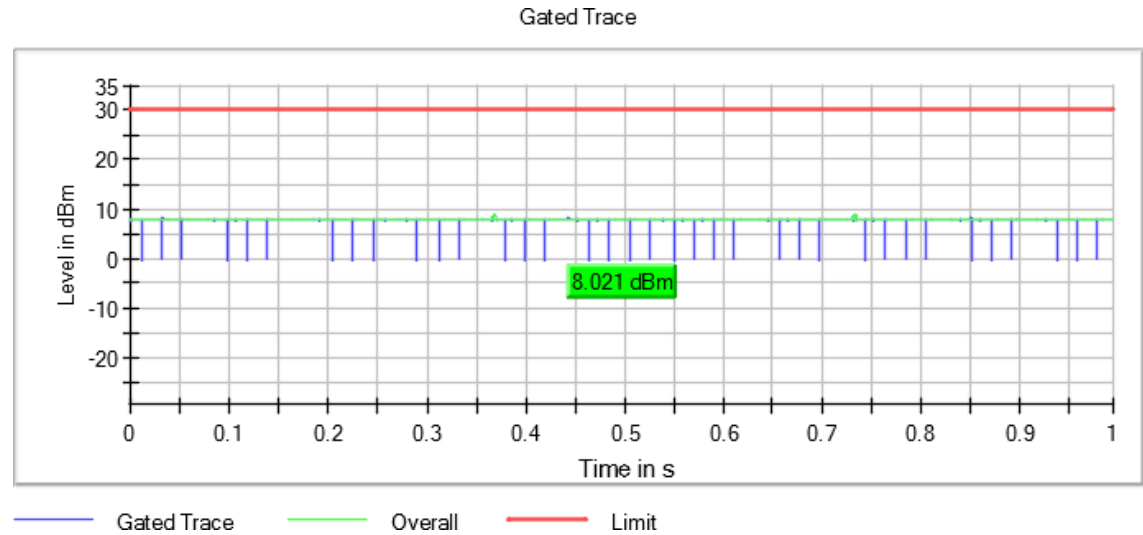
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

Modulation: 802.11ax HE40 (OFDMA MCS0) - RU

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Avg Power (dBm)	E.I.R.P. (dBm)
[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1	4.00	5.90
		2437.00000		4.80	6.70
		2452.00000		5.60	7.50
		2422.00000	1+2	6.80	8.70
		2437.00000		7.60	9.50
		2452.00000		8.20	10.10

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

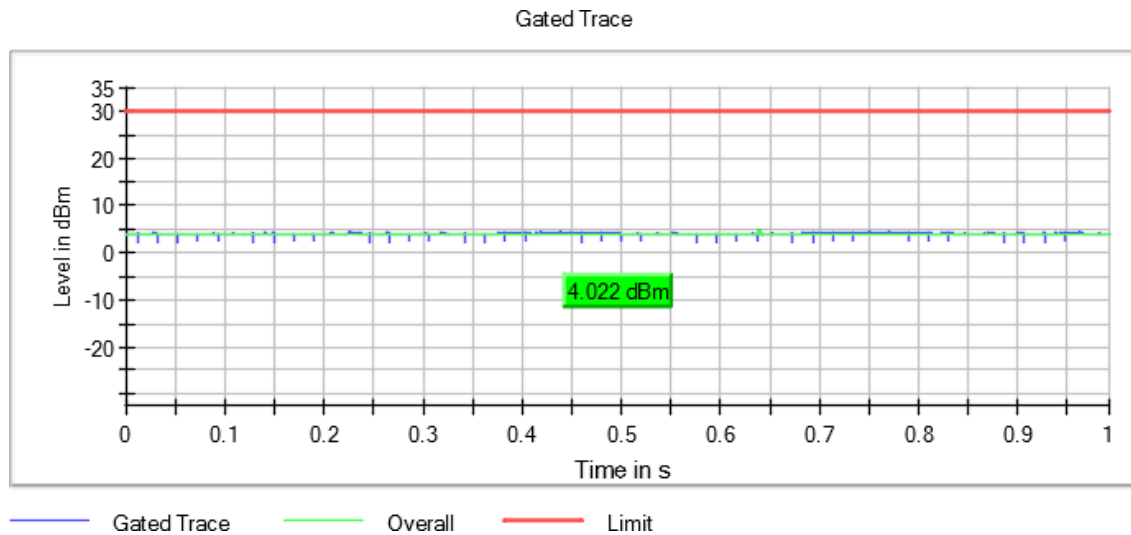
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2422.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

Operation Band MHz = [2400, 2483.5]

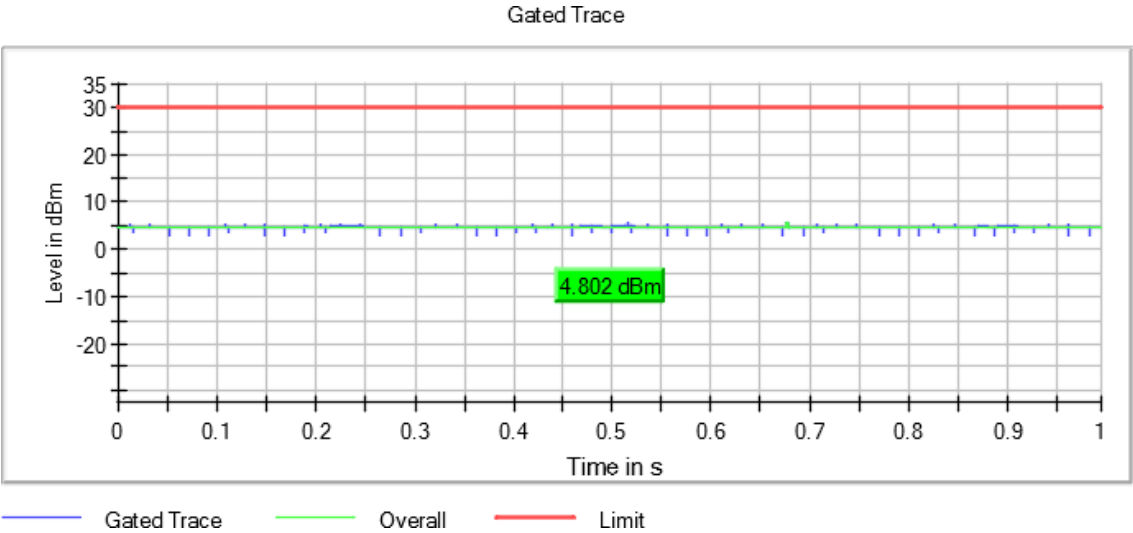
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2452.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

Operation Band MHz = [2400, 2483.5]

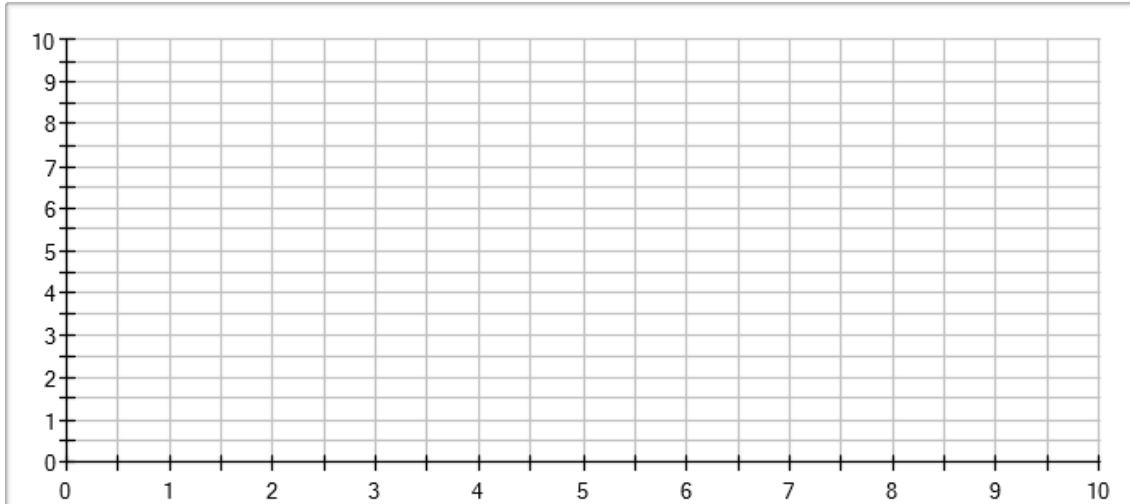
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2422.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

Operation Band MHz = [2400, 2483.5]

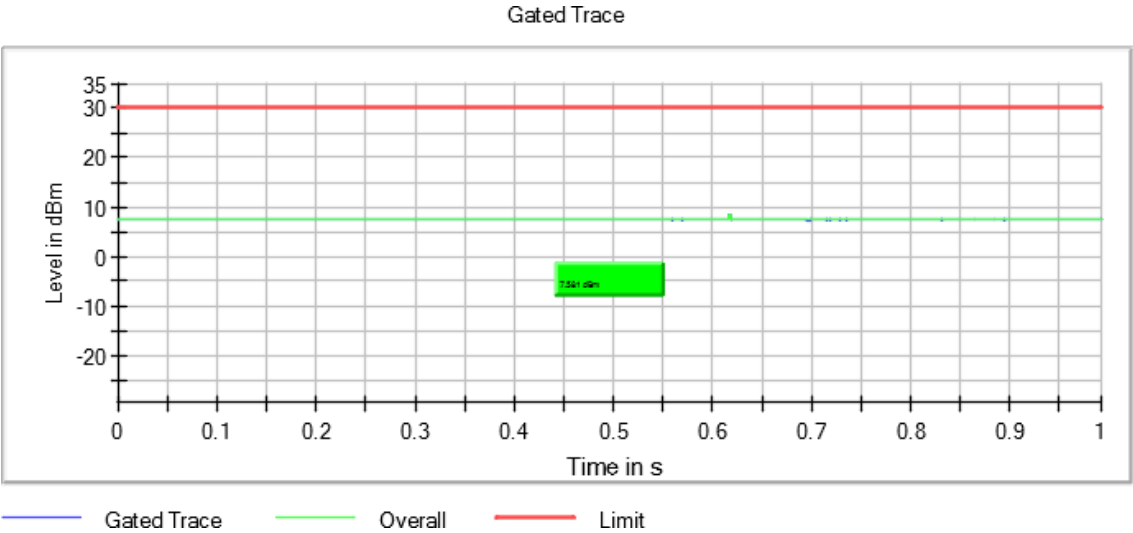
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

Operation Band MHz = [2400, 2483.5]

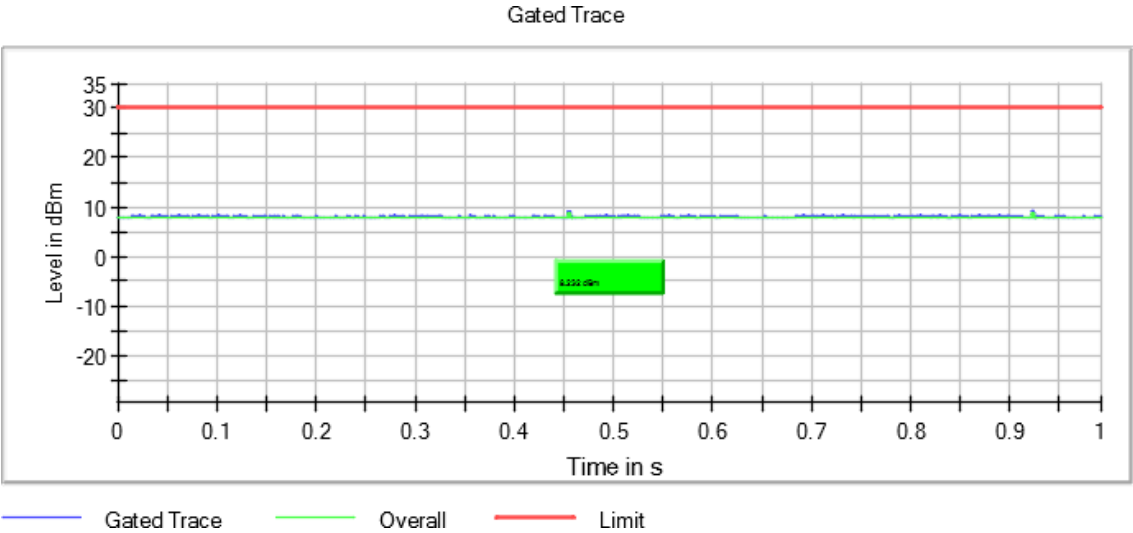
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2452.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

RSS-247 5.5 / FCC 15.247 (d) [Bndedge] Band-edge emissions compliance (Transmitter)

Limits

In any 100 kHz bandwidths outside the frequency band in which the 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, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Modulation: 802.11ax HE20 (OFDMA MCS0) - RU

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	1	-1.000	2399.925000	-33.8
				-1.000	2399.975000	-33.9
				-1.000	2399.875000	-33.9
				-1.000	2400.000000	-34.5
				-1.000	2399.825000	-34.5
				-1.000	2399.775000	-34.9
				-1.000	2399.725000	-35.1
				-1.000	2399.675000	-35.3
				-1.000	2399.625000	-35.3
				-1.000	2399.575000	-35.6
				-1.000	2399.525000	-36.1
				-1.000	2399.475000	-36.3
				-1.000	2399.425000	-36.4
				-1.000	2399.375000	-36.8
				-1.000	2399.325000	-37.2
		2462.00000		0.000	2487.725000	-50.5
				0.000	2498.025000	-50.7
				0.000	2487.675000	-50.8
				0.000	2488.375000	-50.9
				0.000	2488.425000	-50.9
				0.000	2498.075000	-50.9
				0.000	2499.475000	-50.9
				0.000	2489.325000	-51.0
				0.000	2489.375000	-51.0
				0.000	2499.525000	-51.1
				0.000	2486.525000	-51.2
				0.000	2483.725000	-51.3
				0.000	2483.775000	-51.4
				0.000	2486.475000	-51.4

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)
			1+2	0.000	2485.925000	-51.5
		2412.00000		2.900	2399.975000	-29.0
				2.900	2399.925000	-29.3
				2.900	2399.875000	-29.5
				2.900	2399.825000	-29.8
				2.900	2399.775000	-30.0
				2.900	2399.725000	-30.2
				2.900	2399.675000	-30.5
				2.900	2399.625000	-30.8
				2.900	2400.000000	-30.9
				2.900	2399.575000	-31.2
				2.900	2399.525000	-31.4
				2.900	2399.475000	-31.7
				2.900	2399.425000	-31.9
				2.900	2399.375000	-32.1
				2.900	2399.325000	-32.4
				2462.00000	3.600	2493.575000
		3.600			2484.525000	-54.7
		3.600			2484.575000	-54.8
		3.600			2493.625000	-54.8
		3.600			2497.675000	-55.2
		3.600			2493.875000	-55.4
		3.600			2497.875000	-55.4
		3.600			2485.125000	-55.5
		3.600			2485.175000	-55.6
		3.600			2497.625000	-55.6
		3.600			2483.875000	-55.6
		3.600			2493.925000	-55.7
		3.600			2486.375000	-55.7
		3.600			2486.325000	-55.7
		3.600			2492.975000	-55.8

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

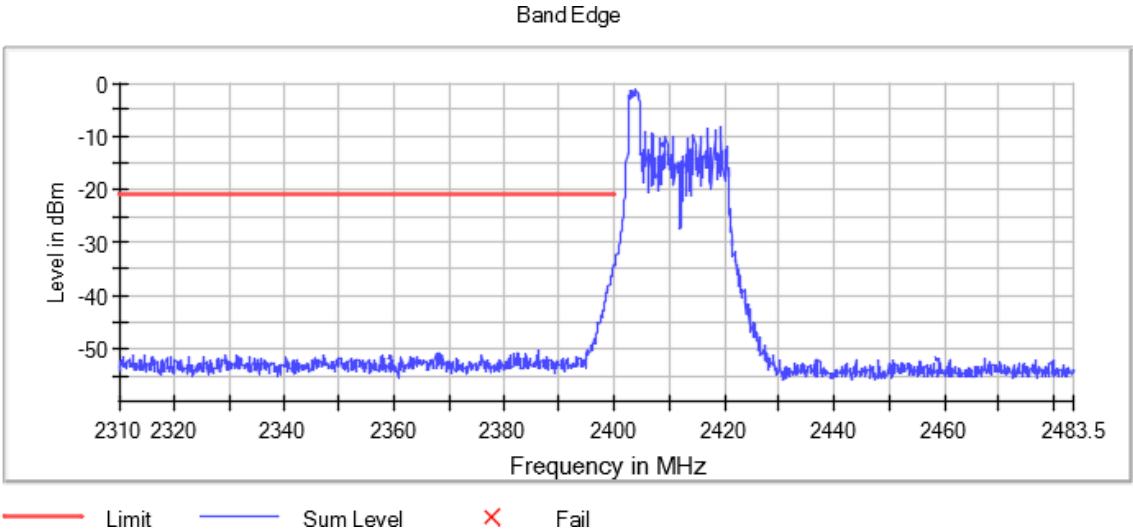
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	94.727 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Spectrum Analyzer Parameters 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweeptime	94.727 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	18 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.10 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

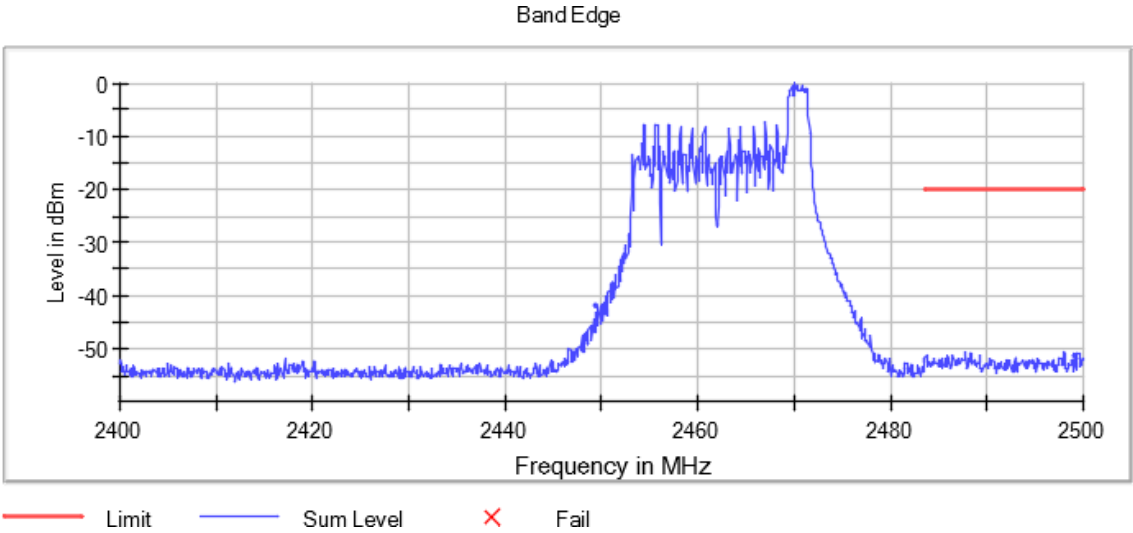
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	94.727 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Spectrum Analyzer Parameters 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweeptime	94.727 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	18 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.10 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

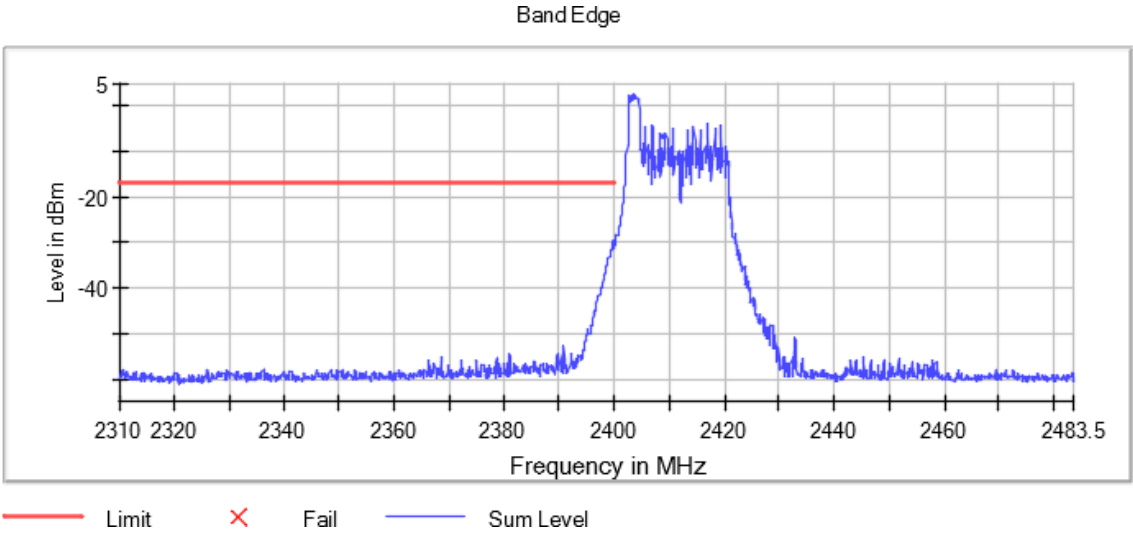
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.39 dB	0.50 dB

Spectrum Analyzer Parameters 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweeptime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	17 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.12 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

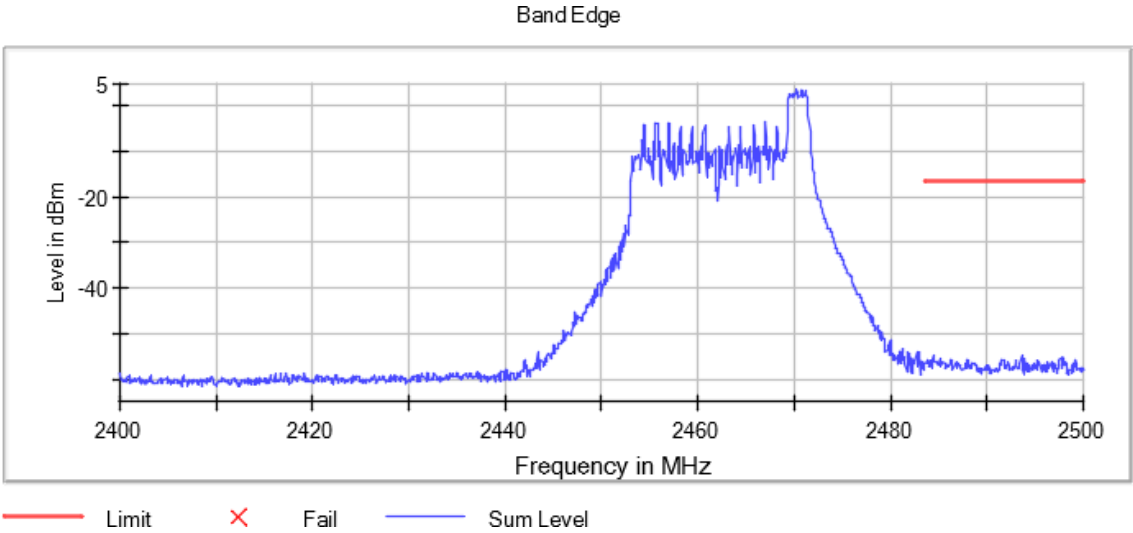
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.39 dB	0.50 dB

Spectrum Analyzer Parameters 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweeptime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	17 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.12 dB	0.50 dB

Modulation: 802.11ax HE40 (OFDMA MCS0) - RU

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)	
[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1	-0.600	2399.975000	-32.0	
				-0.600	2399.925000	-32.2	
				-0.600	2399.875000	-32.5	
				-0.600	2399.825000	-32.7	
				-0.600	2399.775000	-32.8	
				-0.600	2399.725000	-33.0	
				-0.600	2399.675000	-33.2	
				-0.600	2400.000000	-33.3	
				-0.600	2399.625000	-33.3	
				-0.600	2399.575000	-33.5	
				-0.600	2399.525000	-33.6	
				-0.600	2399.475000	-33.9	
				-0.600	2399.425000	-34.1	
				-0.600	2399.375000	-34.2	
				-0.600	2399.325000	-34.3	
				2452.00000	1.900	2487.625000	-44.3
					1.900	2487.675000	-44.4
					1.900	2486.075000	-45.0
		1.900			2487.575000	-45.1	
		1.900			2483.575000	-45.1	
		1.900			2483.625000	-45.2	
		1.900			2486.125000	-45.3	
		1.900			2484.725000	-45.3	
		1.900			2484.775000	-45.5	
		1.900			2486.025000	-45.7	
		1.900			2490.075000	-46.5	
		1.900			2487.725000	-46.6	
		1.900		2490.125000	-46.6		
		2422.00000		1+2	2.600	2399.975000	-29.4
					2.600	2399.925000	-29.6
			2.600		2399.875000	-29.8	
			2.600		2399.825000	-29.9	
			2.600		2399.775000	-30.0	
			2.600		2399.725000	-30.2	
			2.600		2399.675000	-30.4	
			2.600		2399.625000	-30.6	

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)
				2.600	2399.575000	-30.7
				2.600	2400.000000	-30.7
				2.600	2399.525000	-30.9
				2.600	2399.475000	-31.1
				2.600	2399.425000	-31.4
				2.600	2399.375000	-31.8
				2.600	2399.325000	-32.2
		2452.00000		4.200	2484.775000	-46.2
				4.200	2484.725000	-46.2
				4.200	2487.725000	-47.2
				4.200	2483.575000	-47.3
				4.200	2485.125000	-47.4
				4.200	2487.675000	-47.4
				4.200	2483.625000	-47.4
				4.200	2484.475000	-47.5
				4.200	2485.175000	-47.6
				4.200	2483.975000	-47.7
				4.200	2486.475000	-47.7
				4.200	2484.525000	-47.8
				4.200	2486.525000	-48.0
				4.200	2484.825000	-48.0
				4.200	2484.025000	-48.1

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

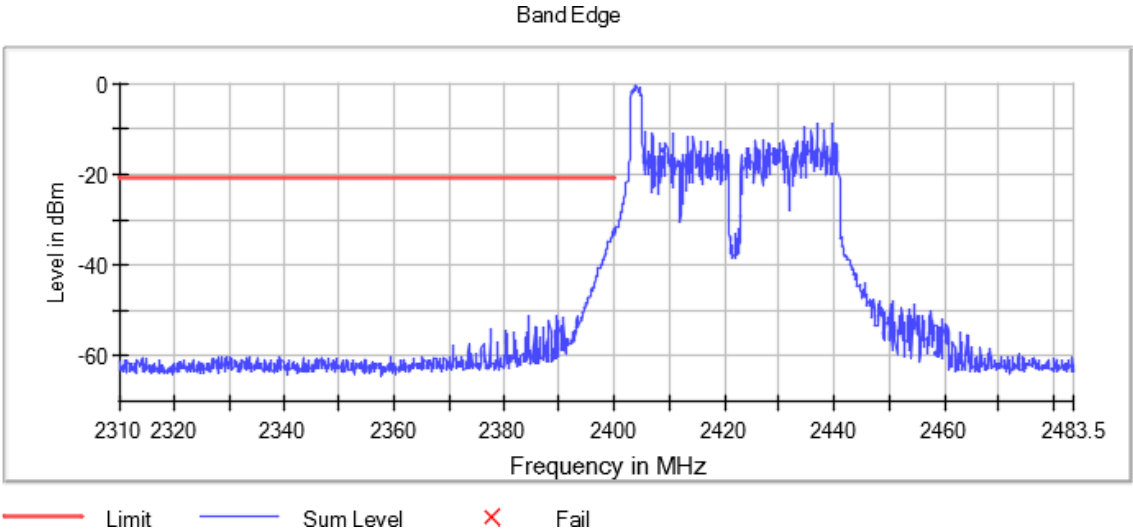
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2422.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	Average	Average
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	9 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Spectrum Analyzer Parameters 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	Average	Average
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	17 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.42 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

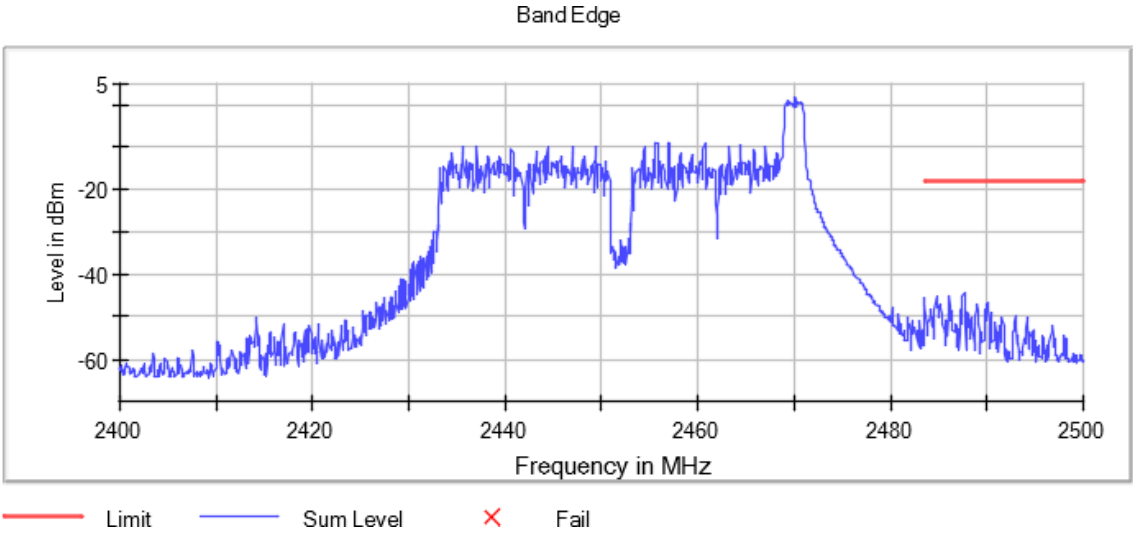
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2452.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	Average	Average
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	9 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Spectrum Analyzer Parameters 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweeptime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	Average	Average
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	17 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.42 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

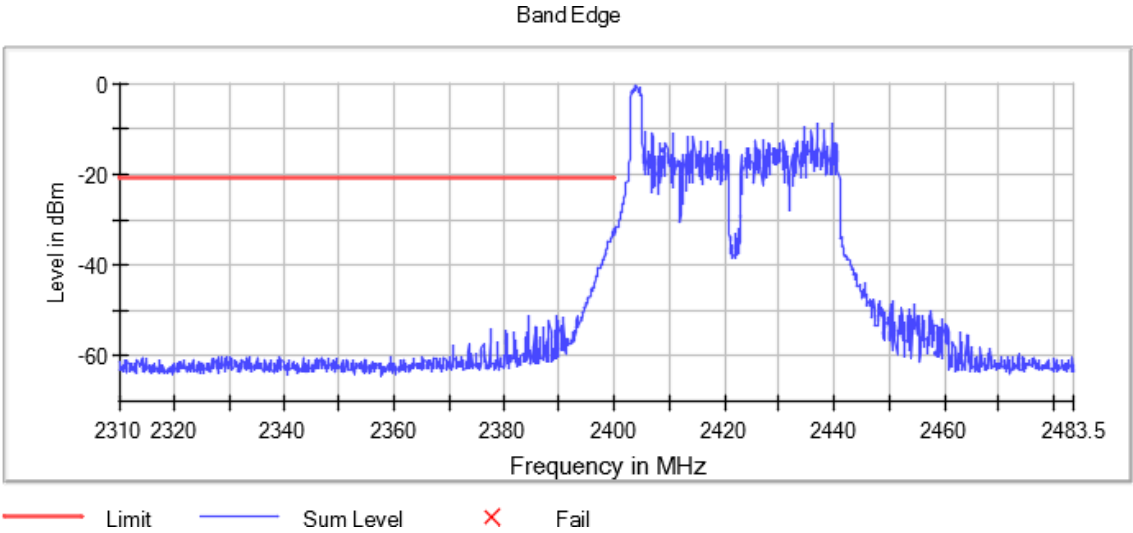
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2422.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	Average	Average
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	9 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Spectrum Analyzer Parameters 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweeptime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	Average	Average
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	24 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.41 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

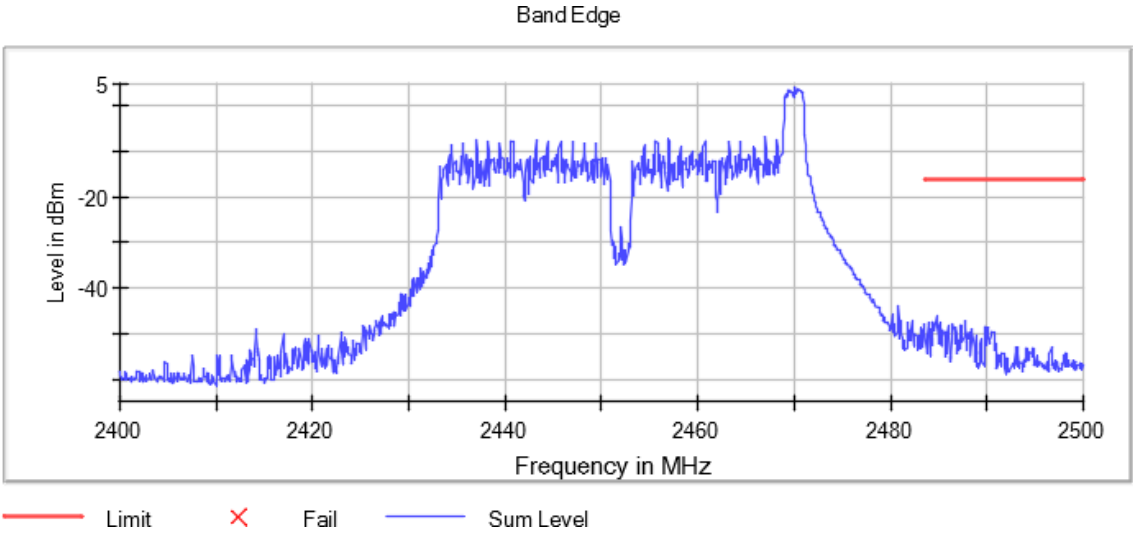
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2452.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Tables:

Spectrum Analyzer Parameters 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	94.727 μs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	Average	Average
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	9 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Spectrum Analyzer Parameters 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweeptime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	Average	Average
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	24 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.41 dB	0.50 dB

[Psd] Power Spectral Density

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.

Modulation: 802.11ax HE20 (OFDMA MCS0) - RU

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	PSD (dBm)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	1	-4.88
		2437.00000		-4.32
		2462.00000		-3.90
		2412.00000	1+2	-0.76
		2437.00000		-0.44
		2462.00000		-0.06

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

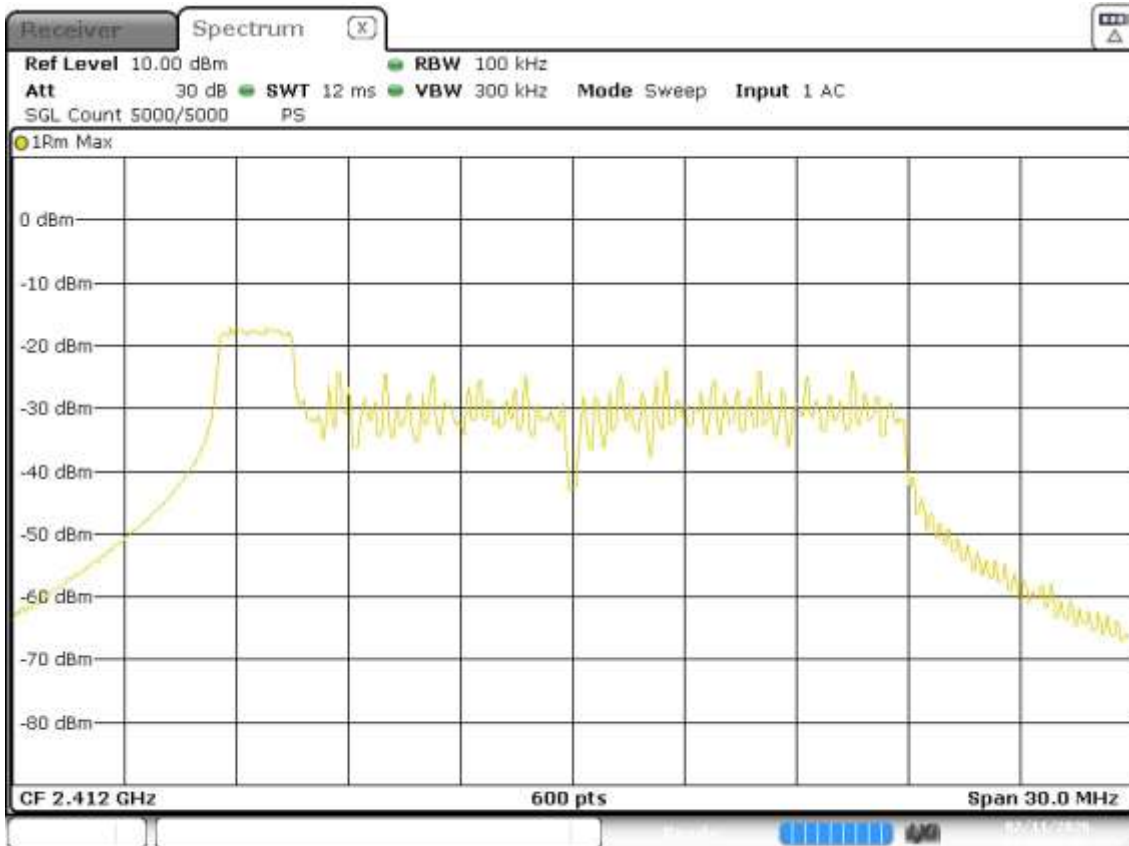
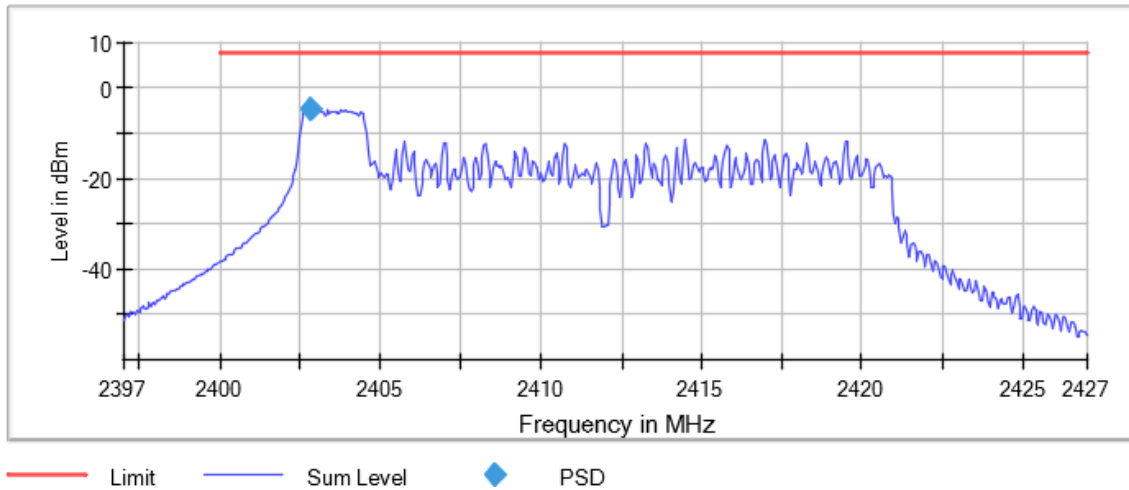
Frequency MHz = 2412.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:

Power Spectral Density (AVG PSD-3)



Date: 11.FEB.2026 18:45:06

Operation Band MHz = [2400, 2483.5]

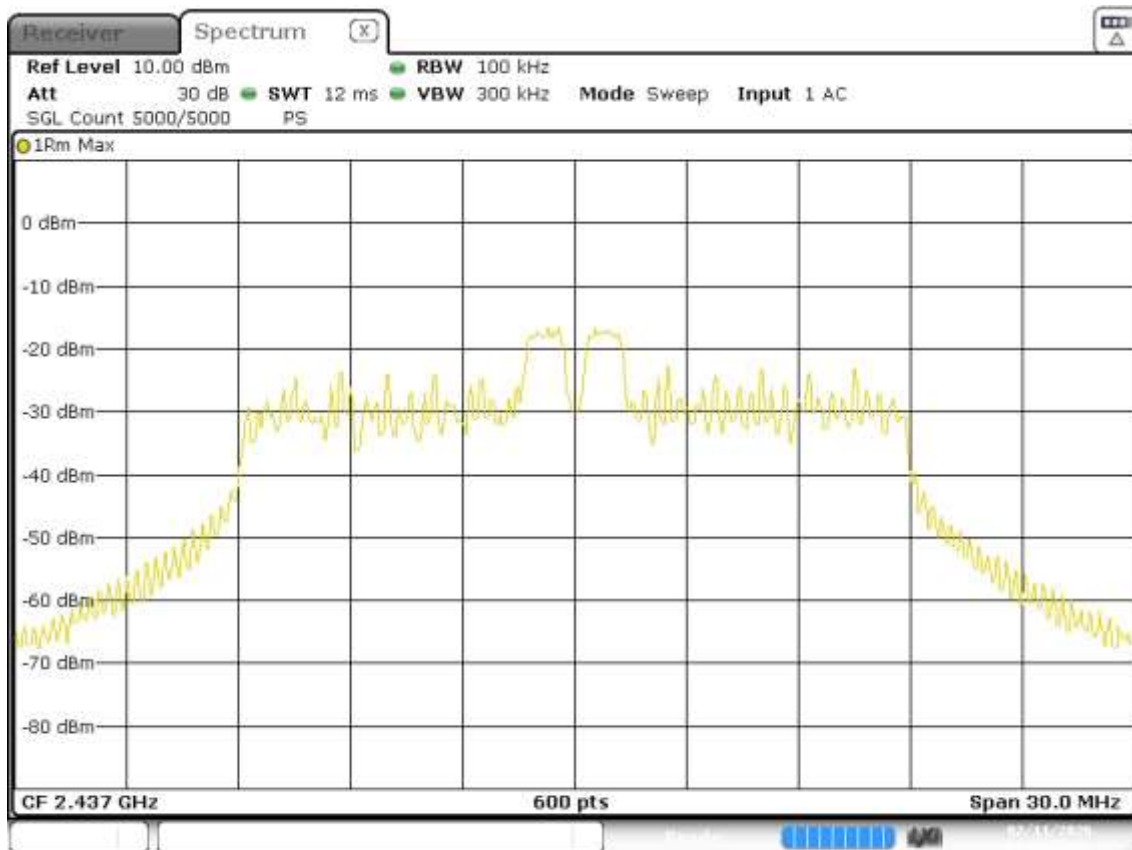
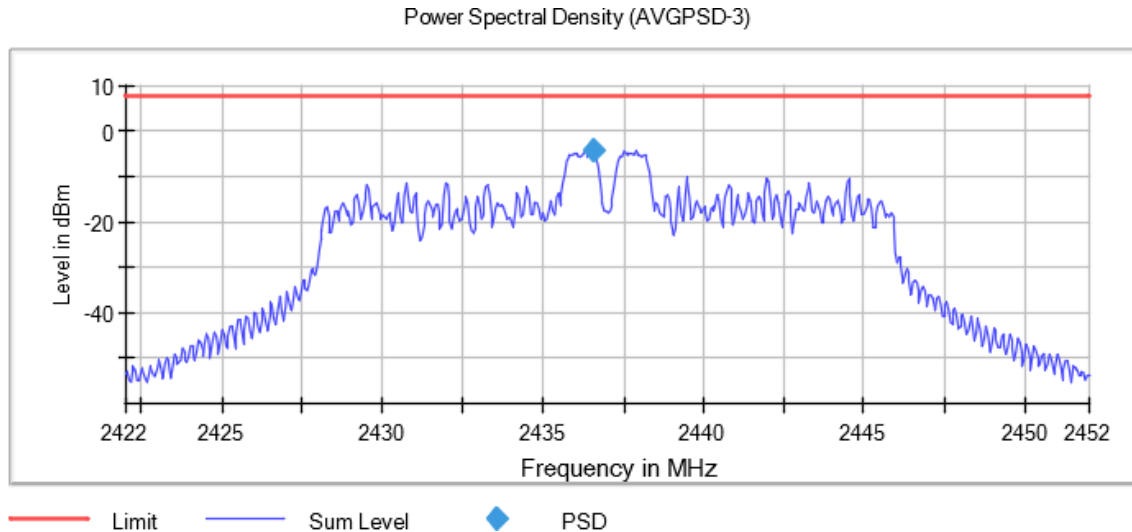
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Date: 11.FEB.2026 18:55:15

Operation Band MHz = [2400, 2483.5]

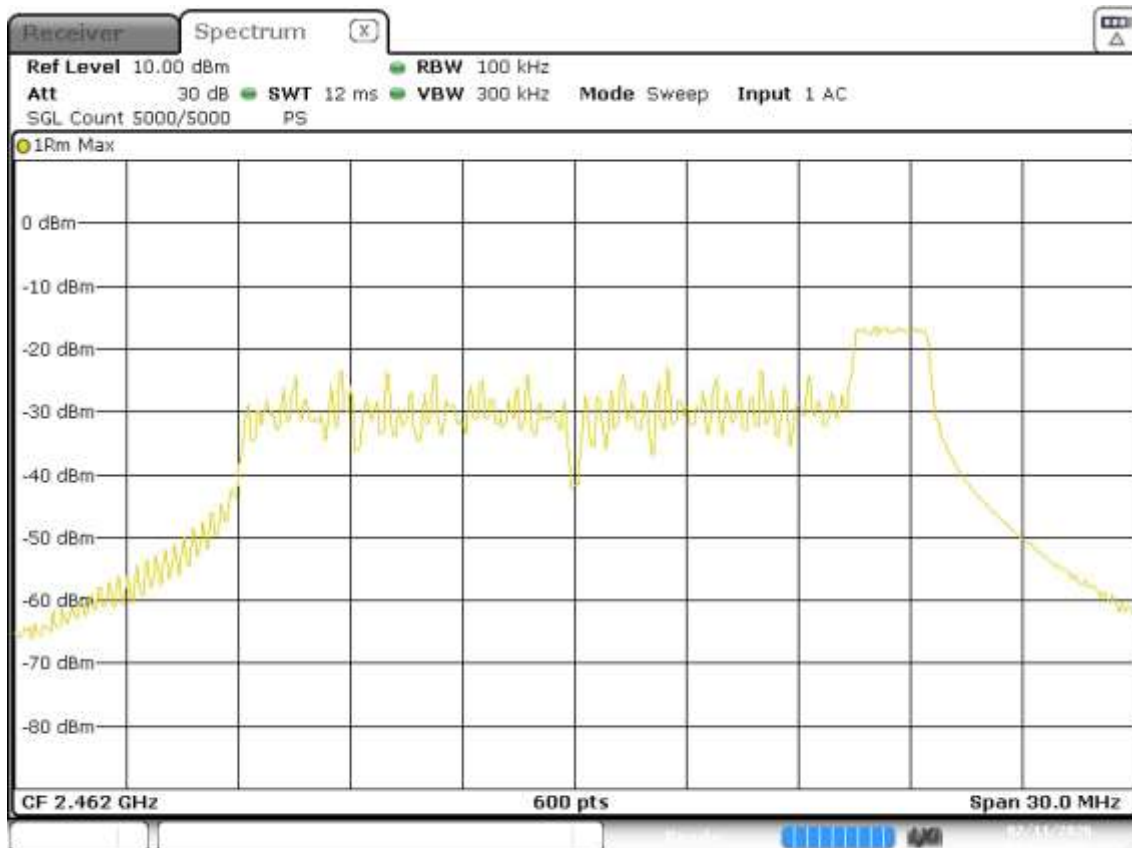
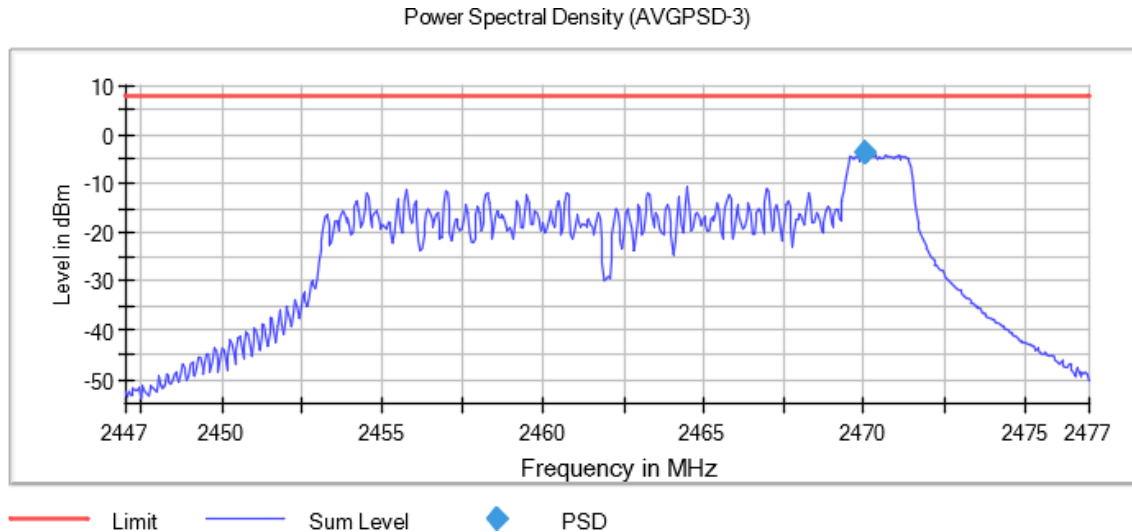
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Date: 11.FEB.2026 19:23:23

Operation Band MHz = [2400, 2483.5]

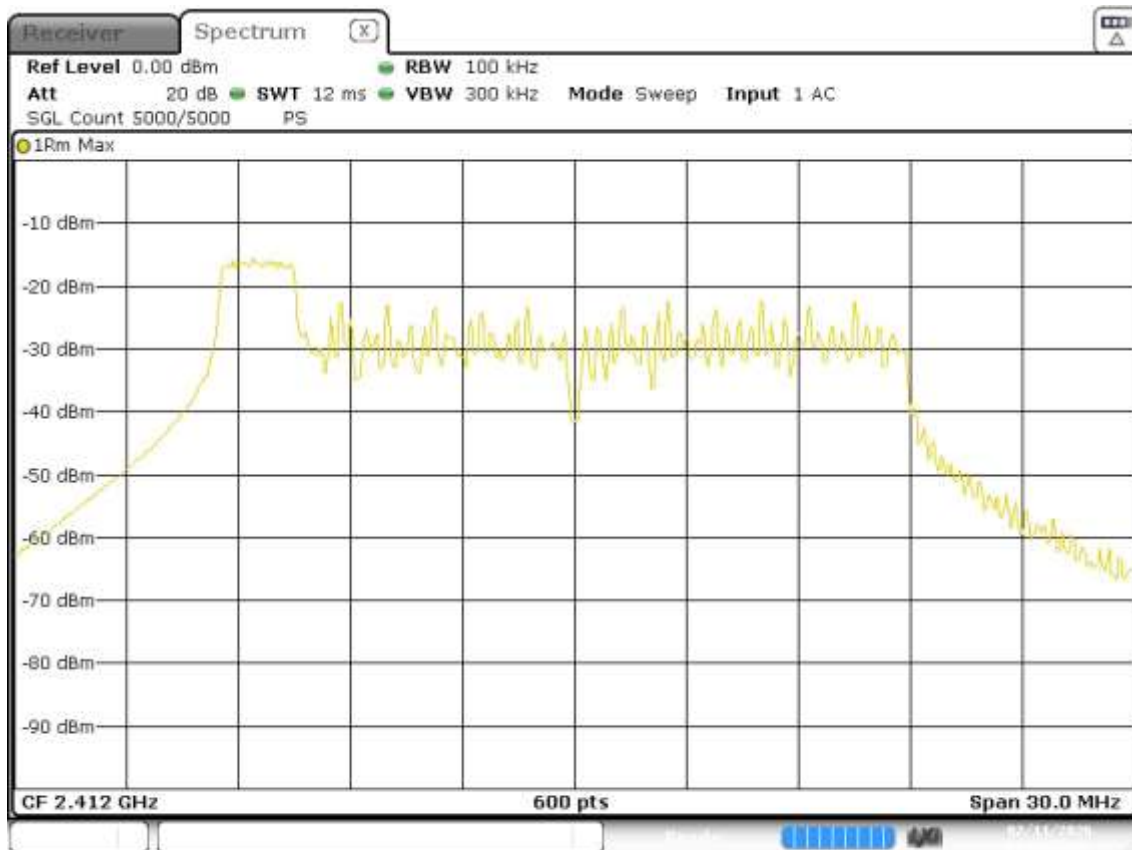
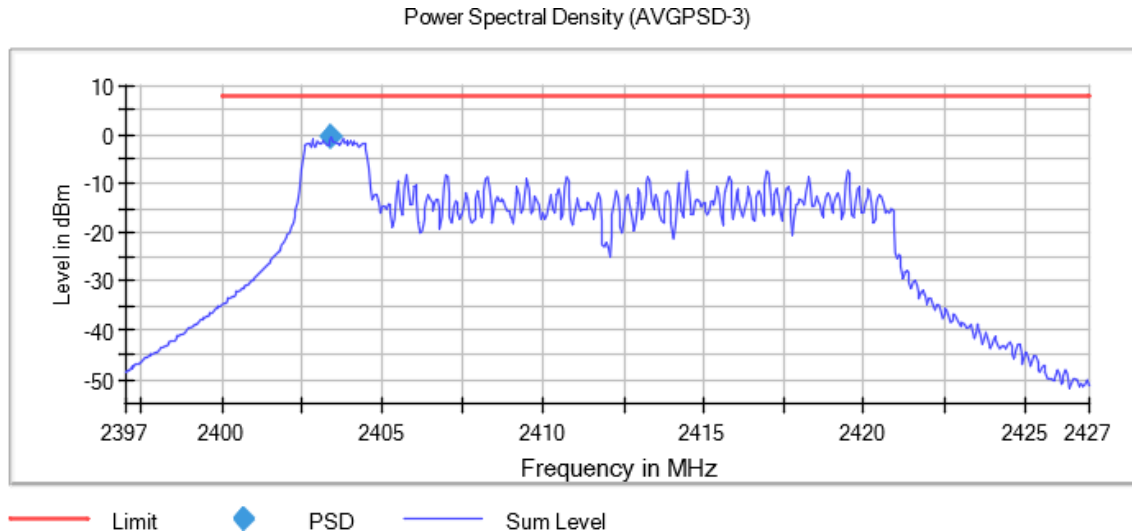
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Date: 11.FEB.2026 19:36:00



Date: 11.FEB.2026 19:39:32

Operation Band MHz = [2400, 2483.5]

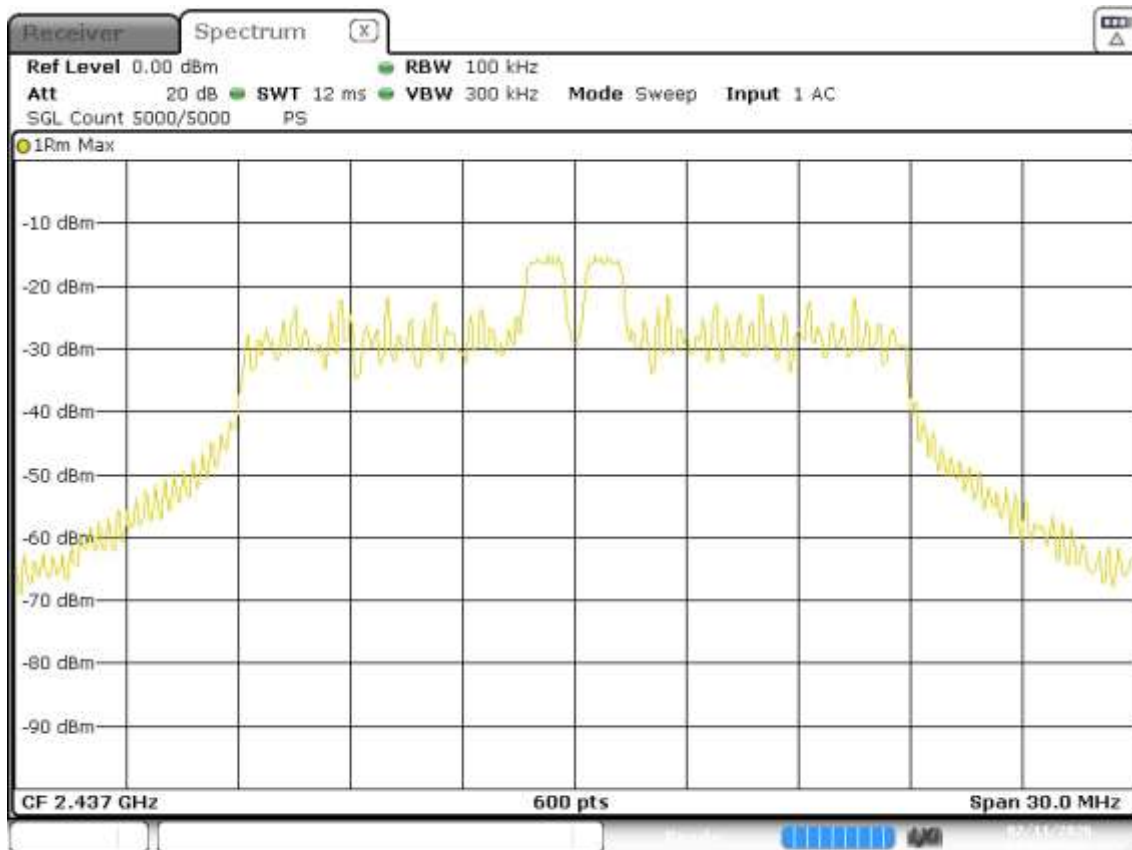
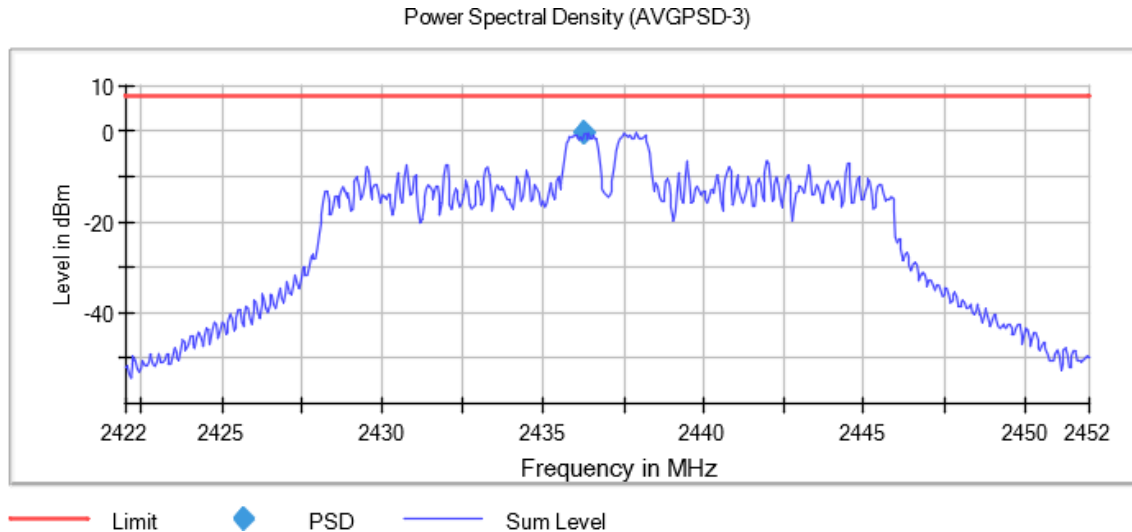
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Date: 11.FEB.2026 19:55:08



Date: 11.FEB.2026 19:58:56

Operation Band MHz = [2400, 2483.5]

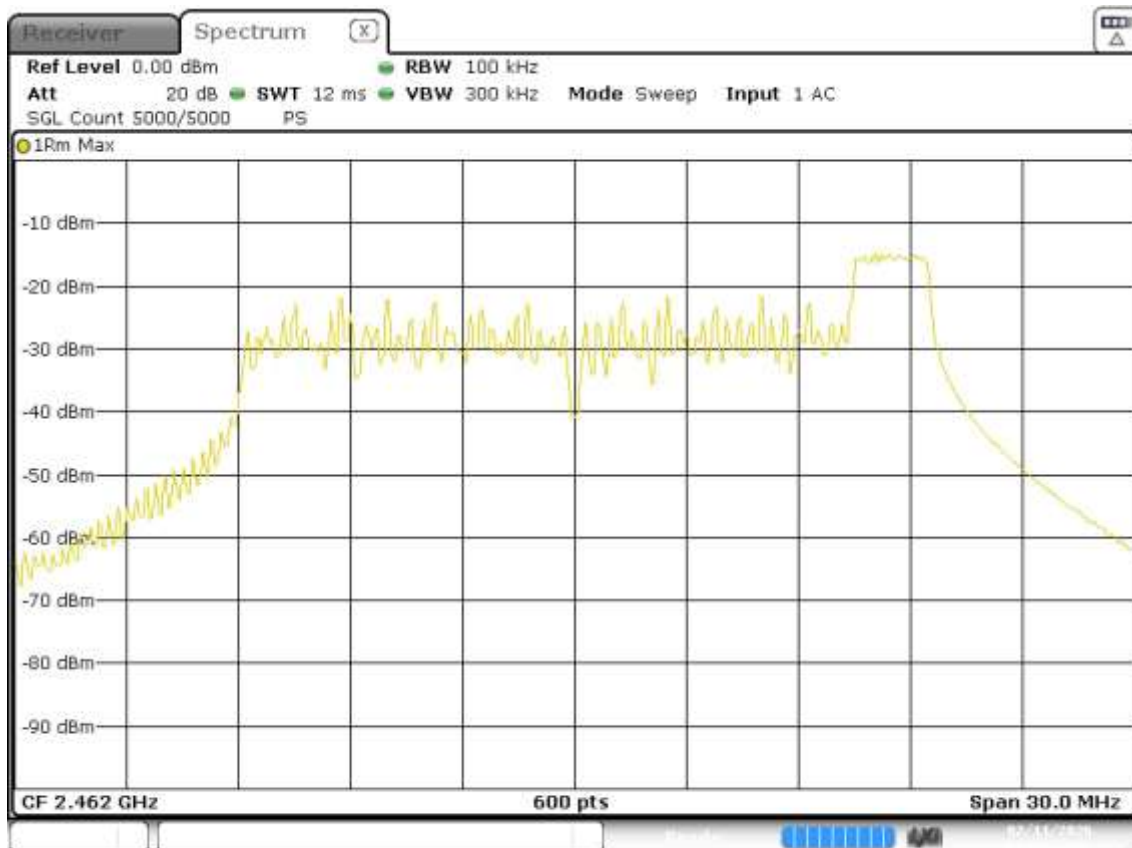
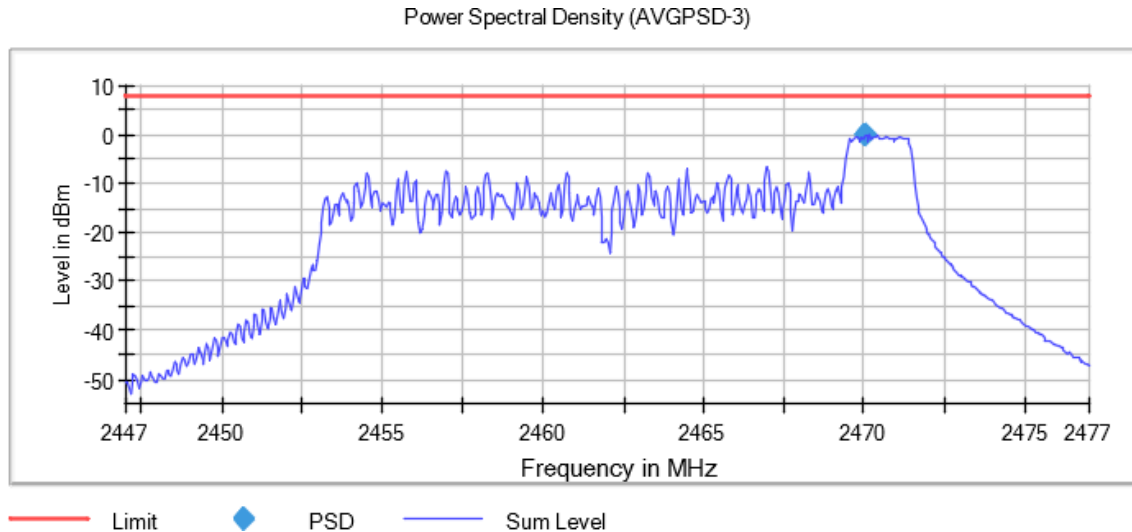
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

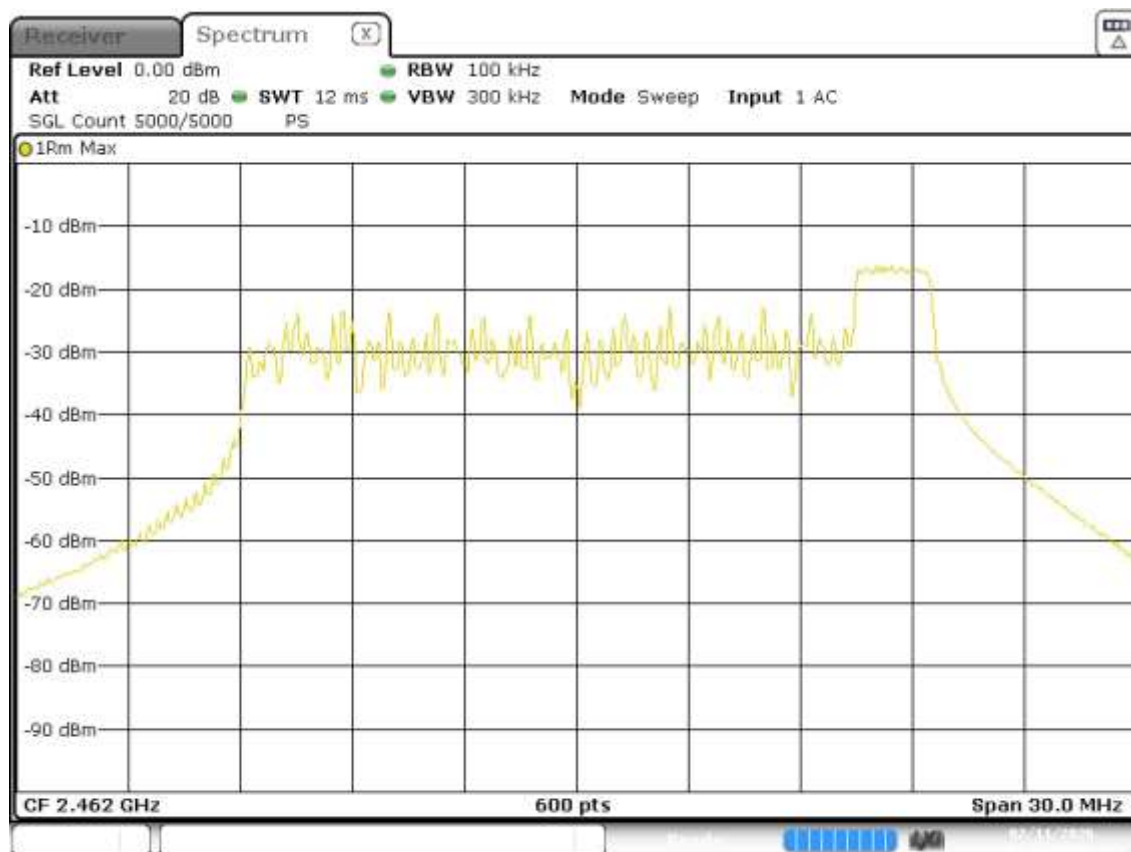
Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0) - RU

Images:



Date: 11.FEB.2026 20:08:12



Date: 11.FEB.2026 20:12:31



Modulation: 802.11ax HE40 (OFDMA MCS0) - RU
Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	PSD (dBm)
[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1	-3.69
				-3.02
				-2.17
		2422.00000	1+2	-1.01
		2437.00000		-0.06
		2452.00000		0.36

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

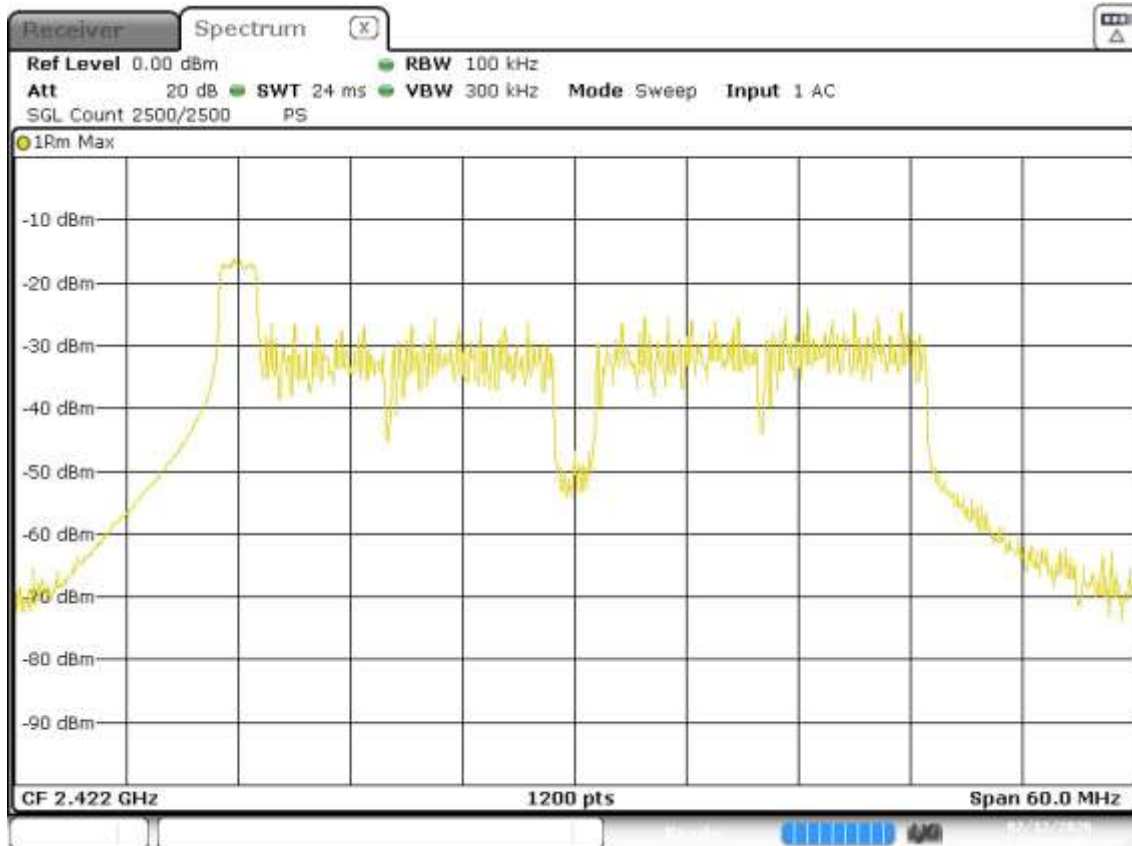
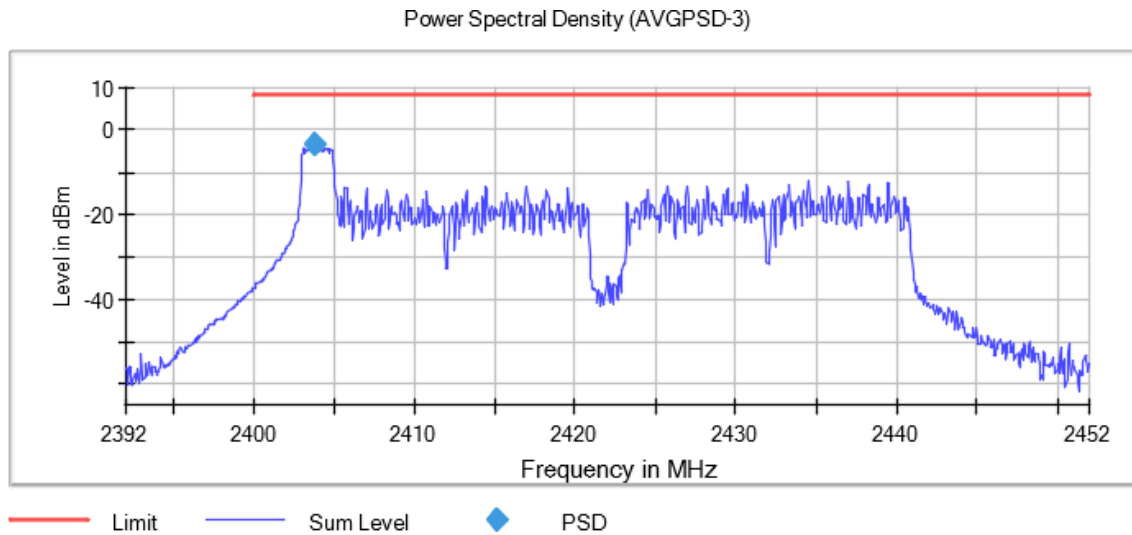
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2422.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Date: 12.FEB.2026 12:36:17

Operation Band MHz = [2400, 2483.5]

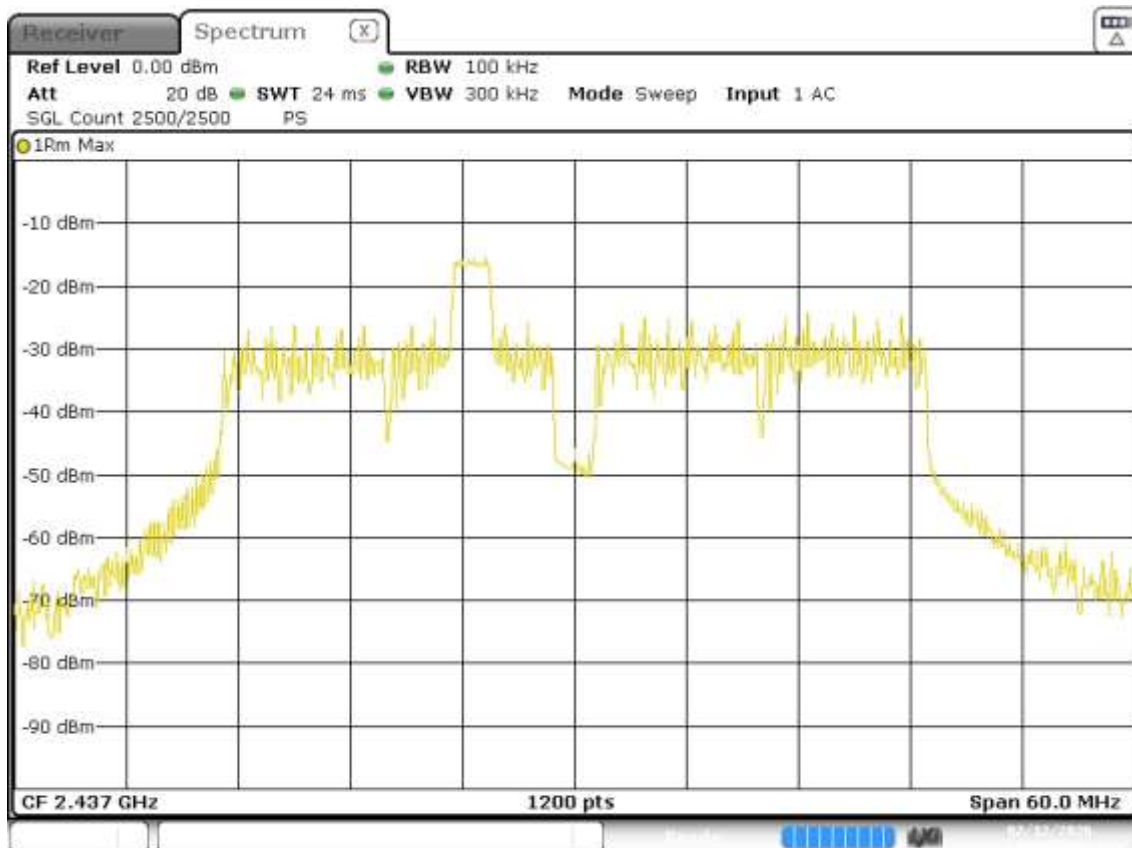
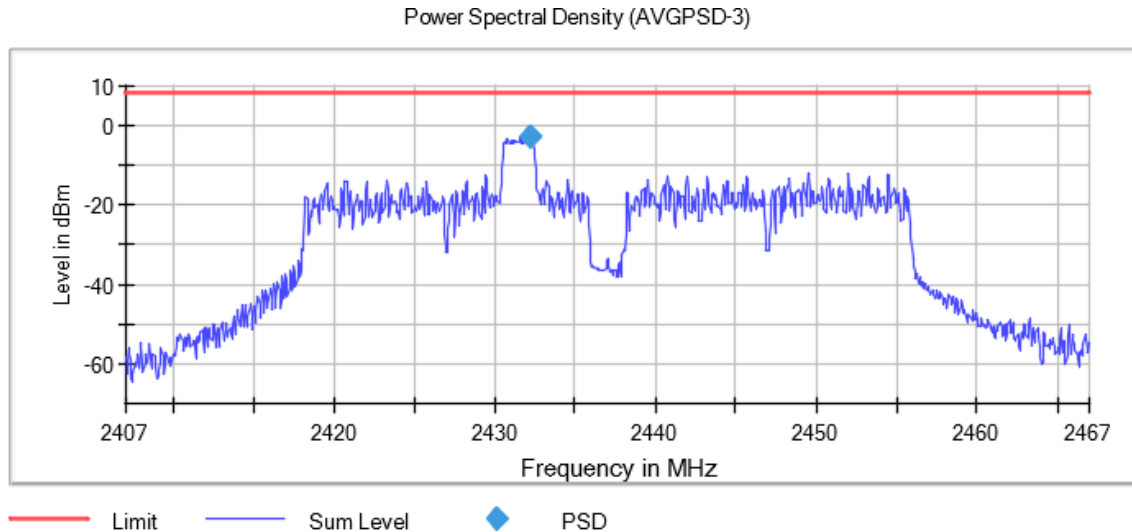
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Date: 12.FEB.2026 12:55:59

Operation Band MHz = [2400, 2483.5]

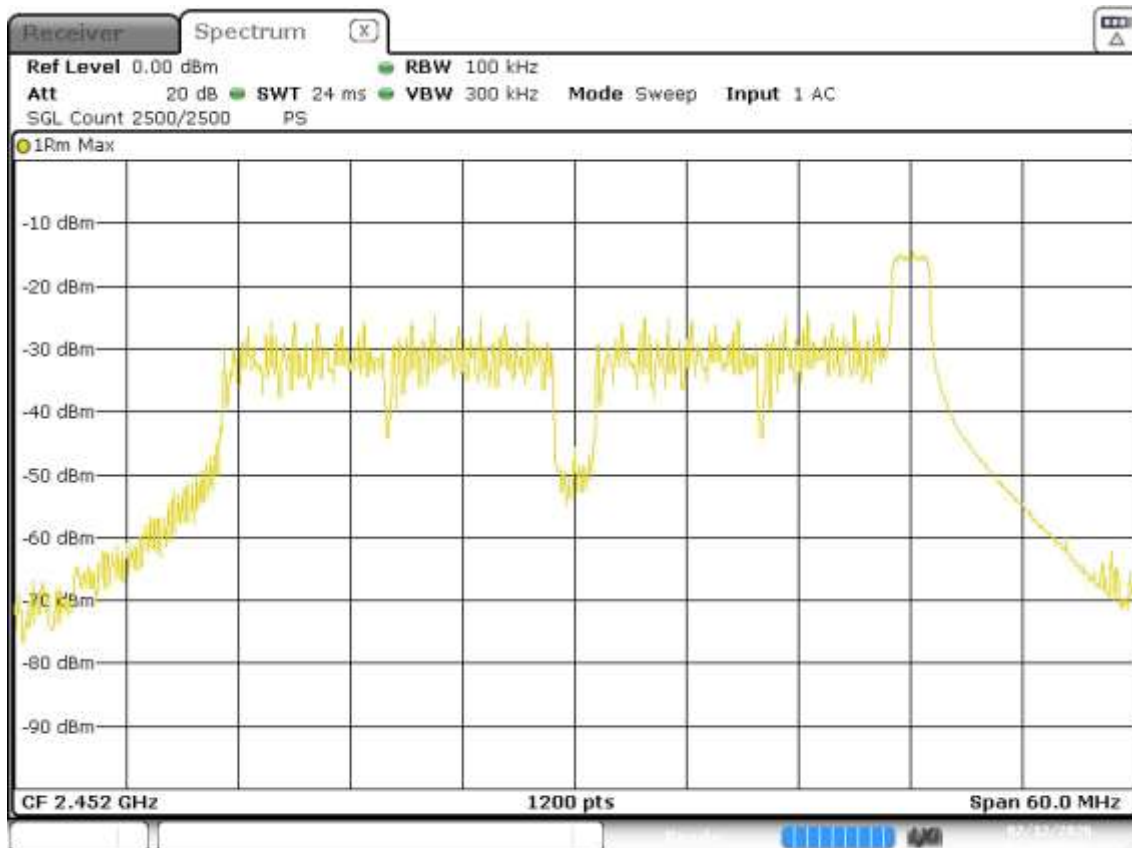
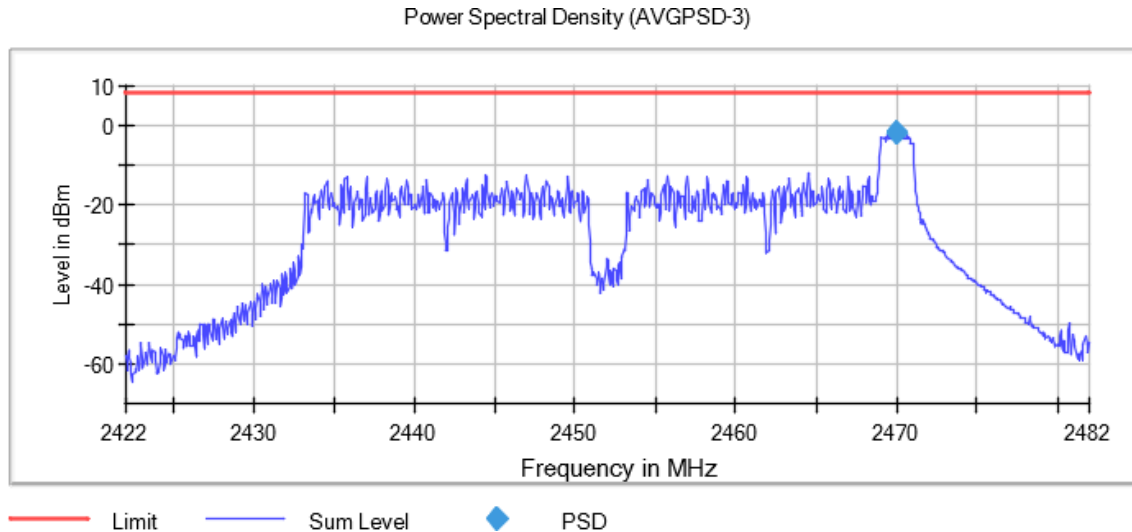
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2452.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Date: 12.FEB.2026 13:08:55

Operation Band MHz = [2400, 2483.5]

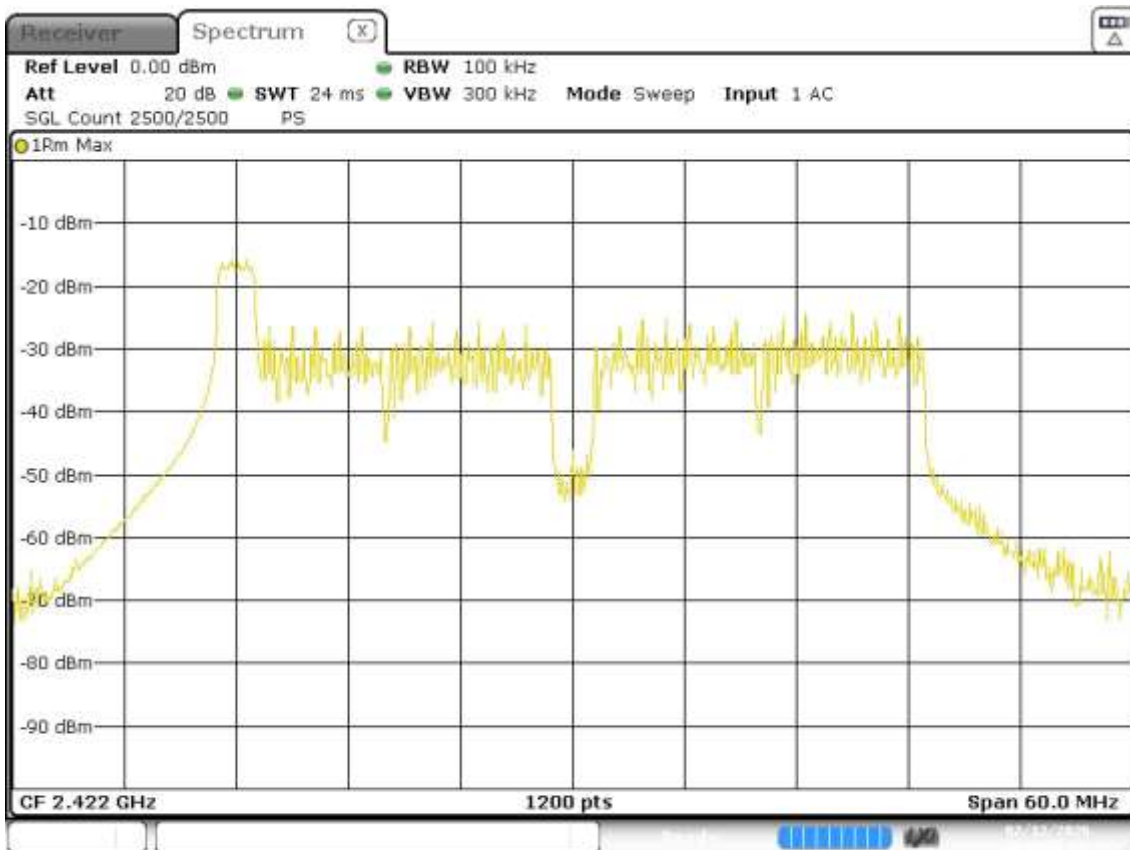
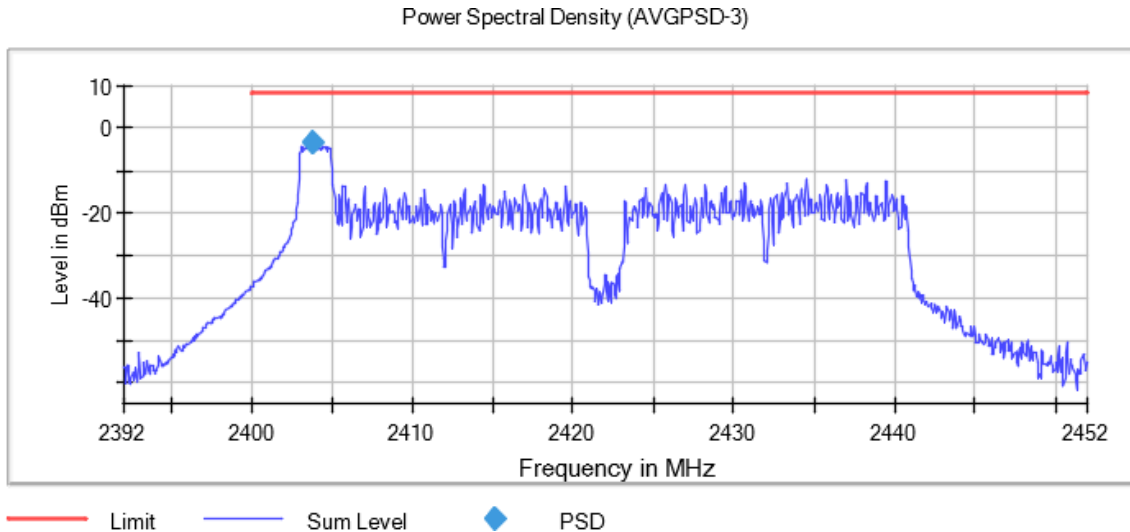
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2422.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Date: 12.FEB.2026 10:44:20



Operation Band MHz = [2400, 2483.5]

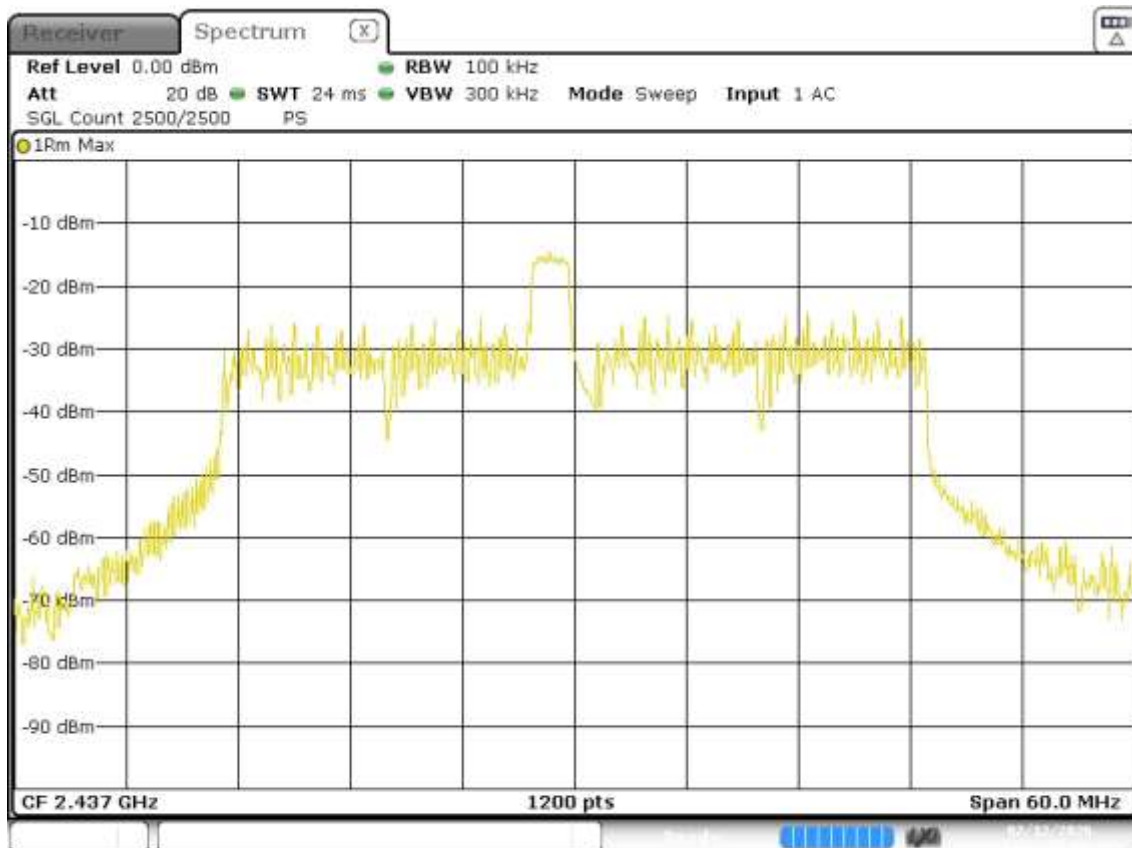
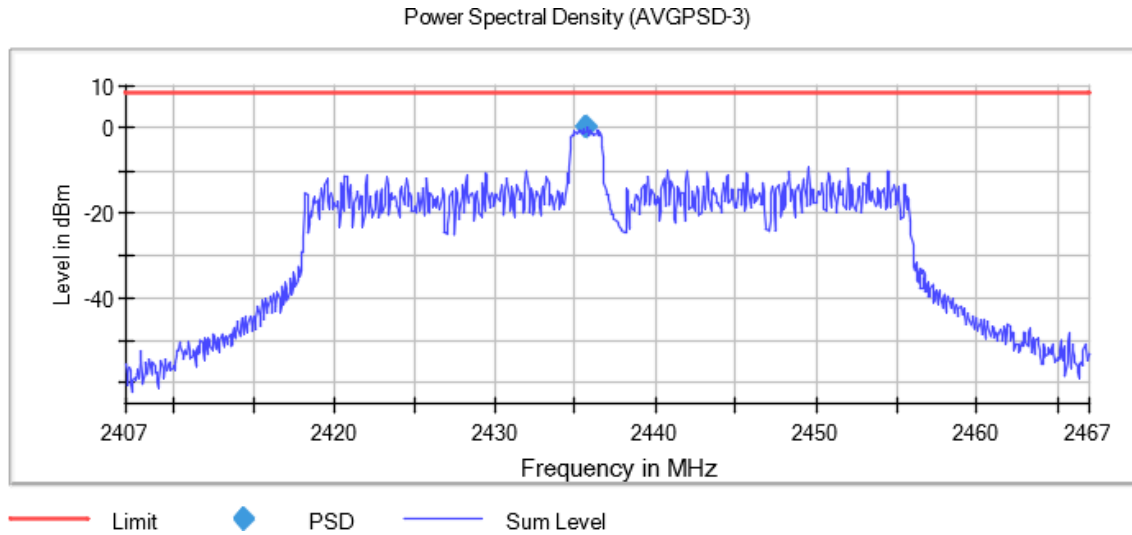
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

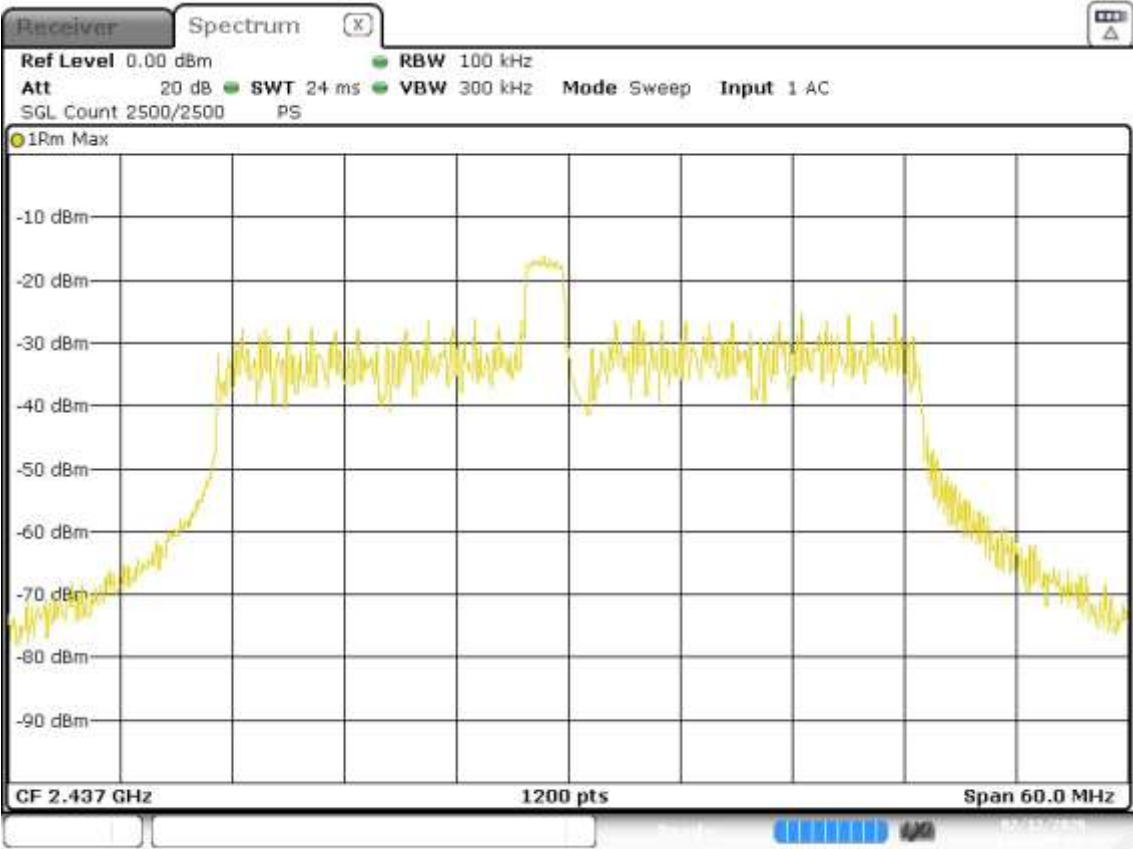
Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Date: 12.FEB.2026 11:27:45



Date: 12.FEB.2026 11:31:05

Operation Band MHz = [2400, 2483.5]

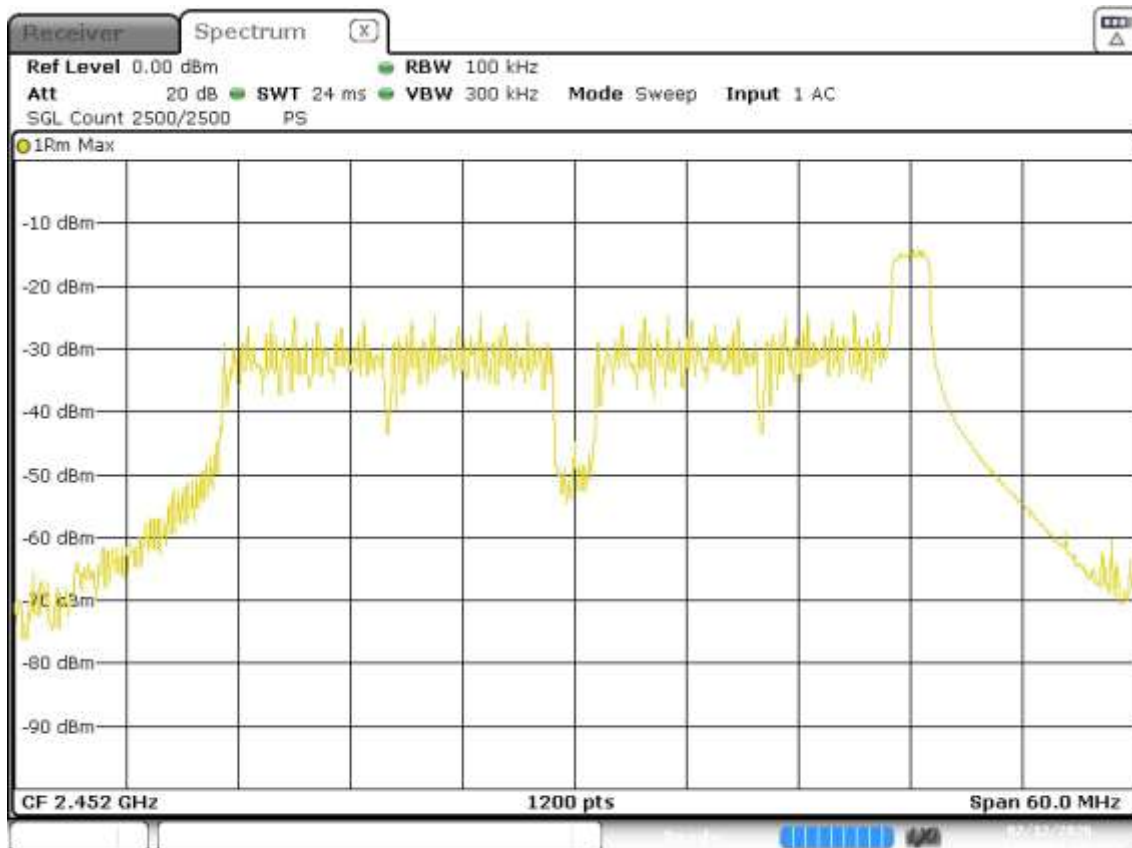
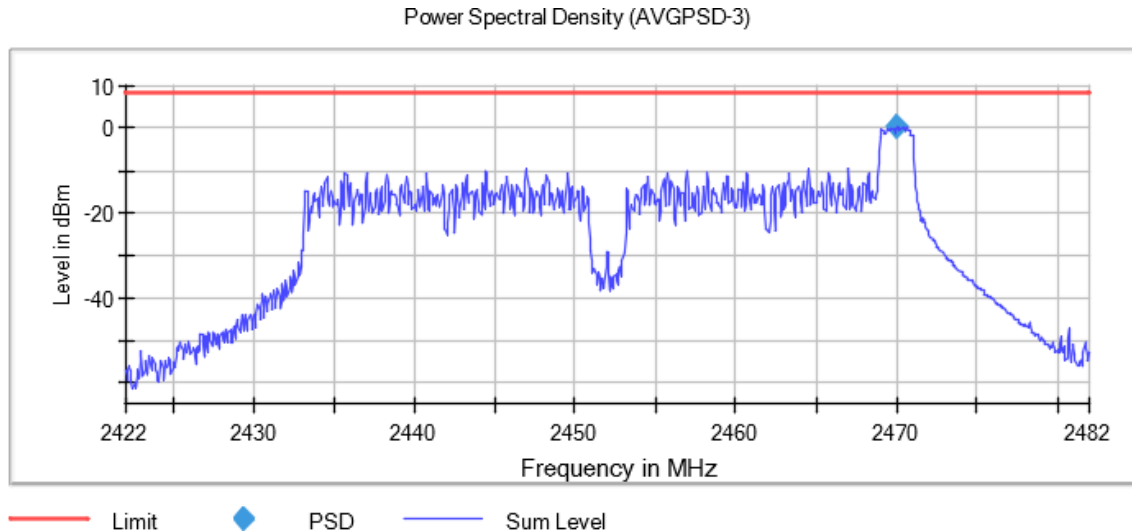
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2452.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0) - RU

Images:



Date: 12.FEB.2026 11:45:04



Date: 12.FEB.2026 11:47:20