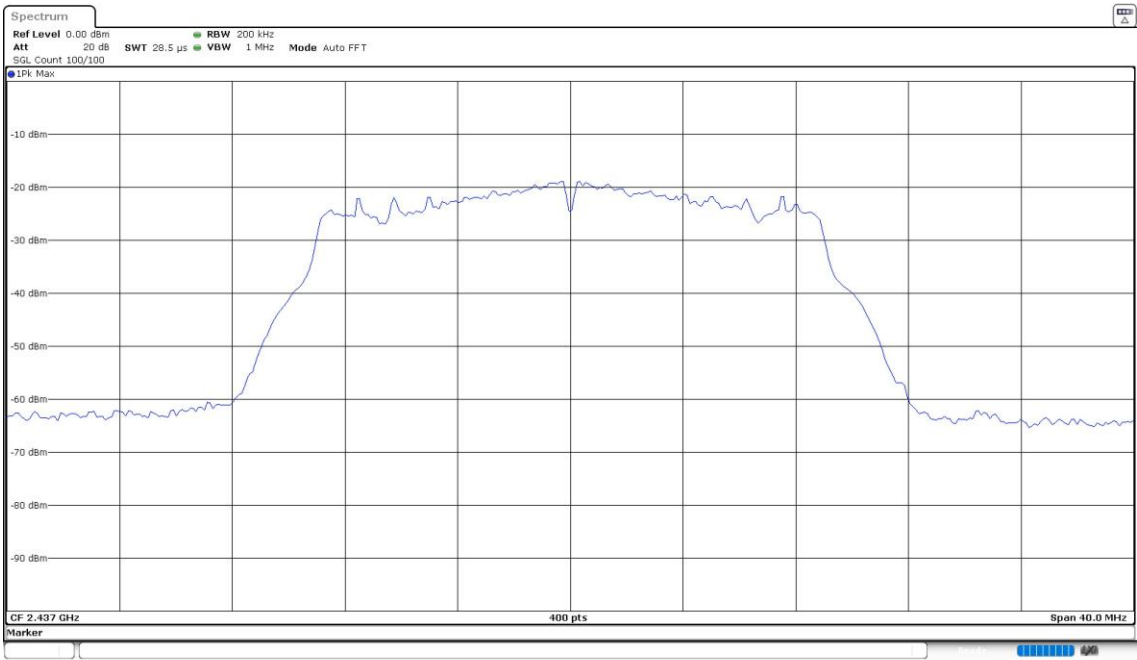
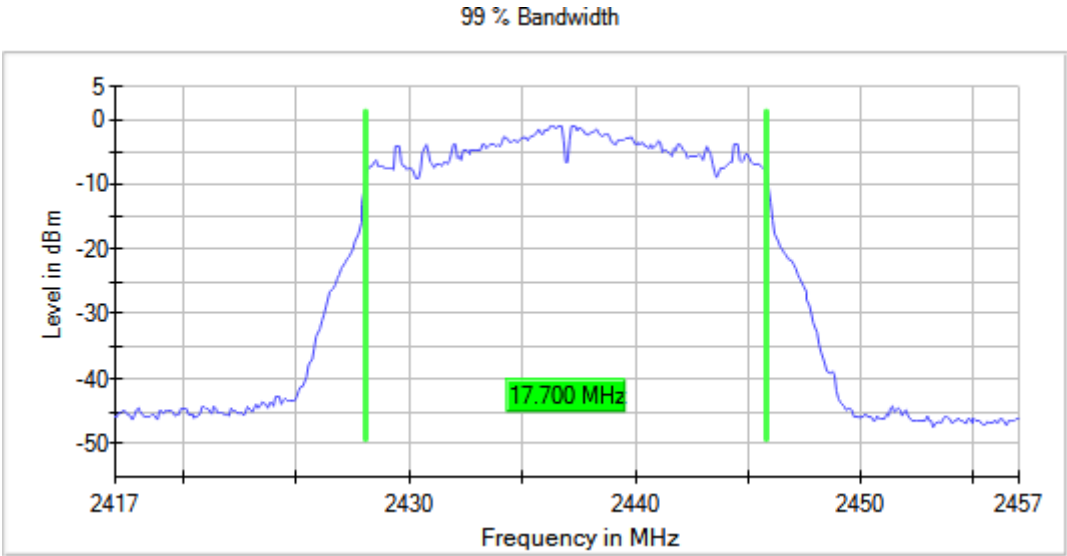


Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2437.00000 Active Port = 3
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index =

Images:



Operation Band MHz = [2400, 2483.5]

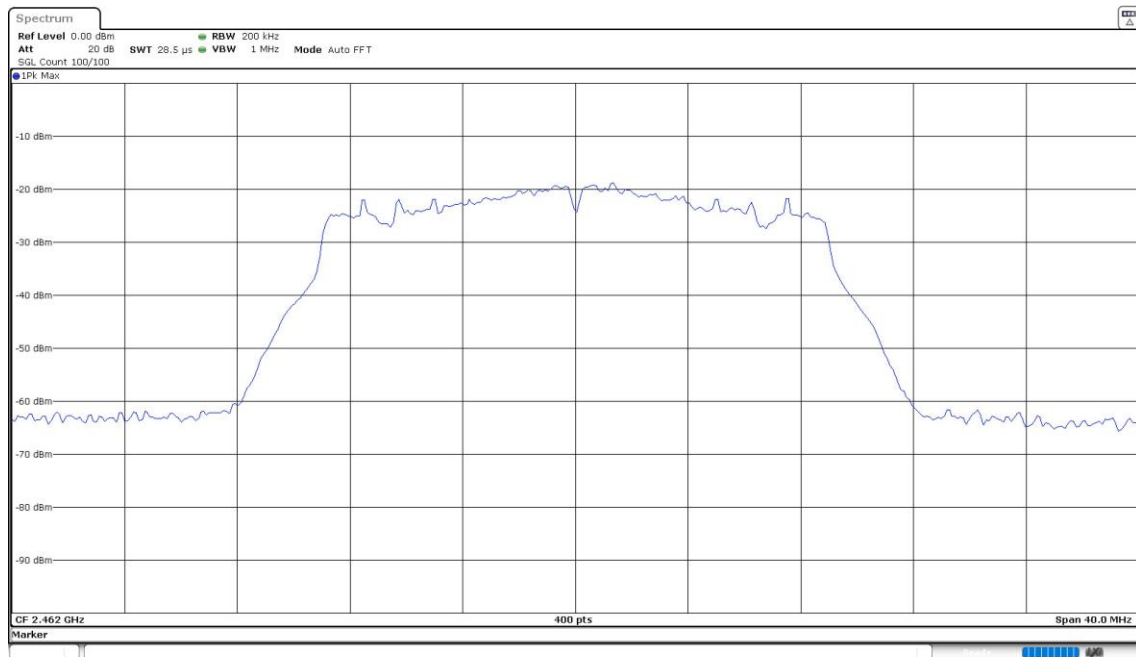
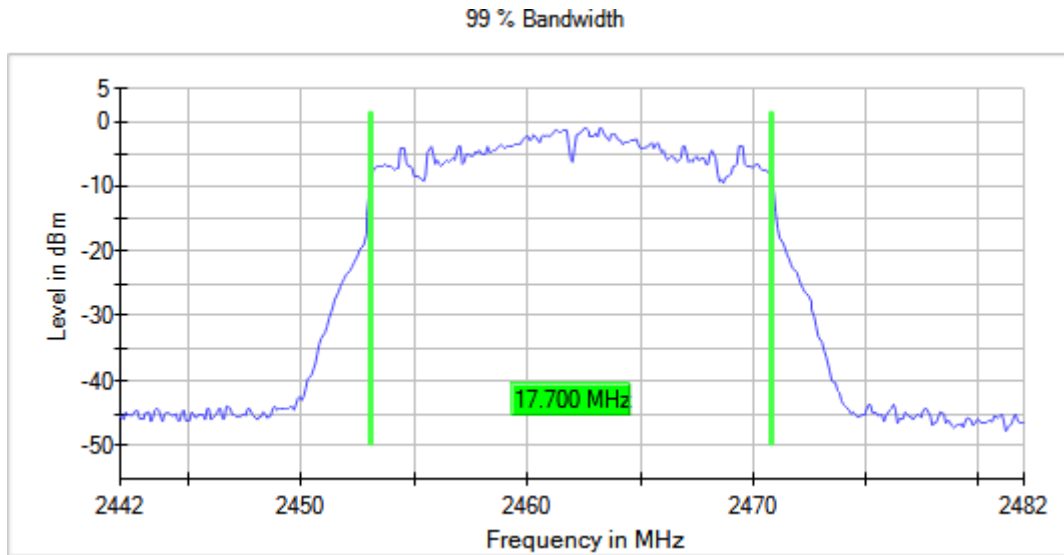
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

Active Port = 3

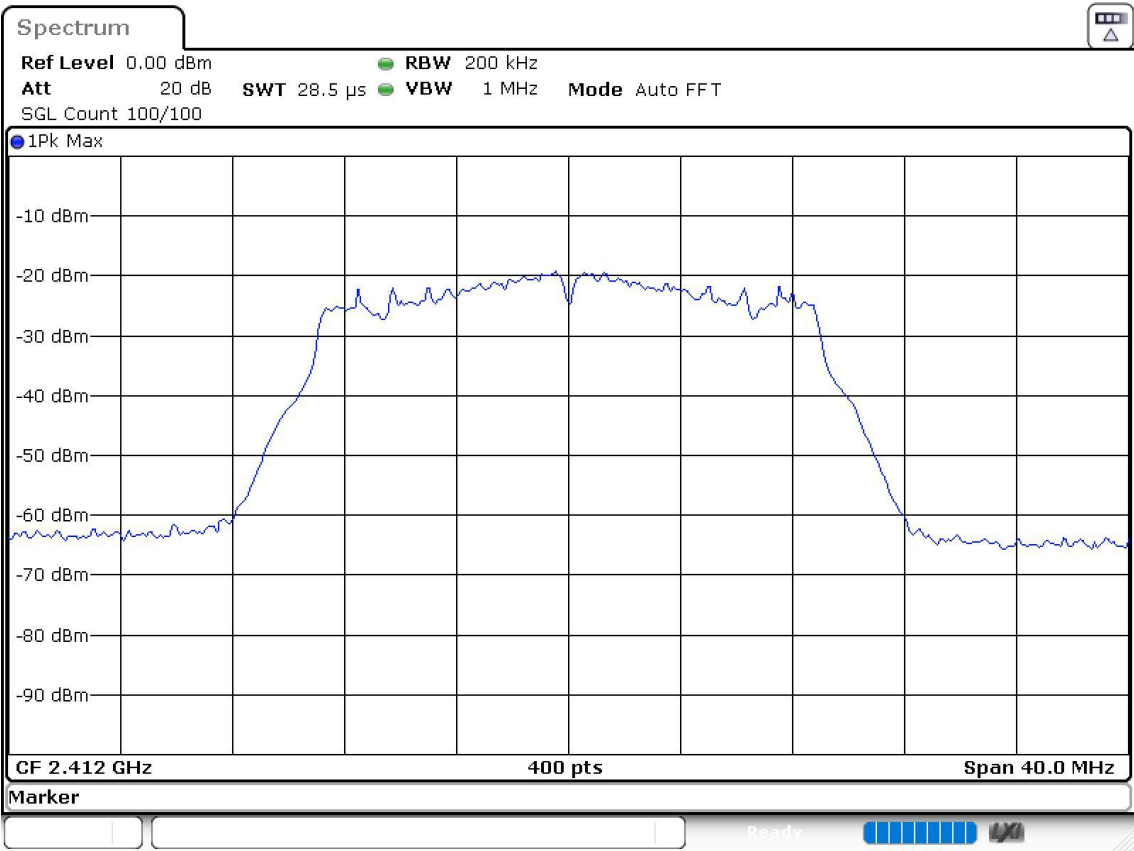
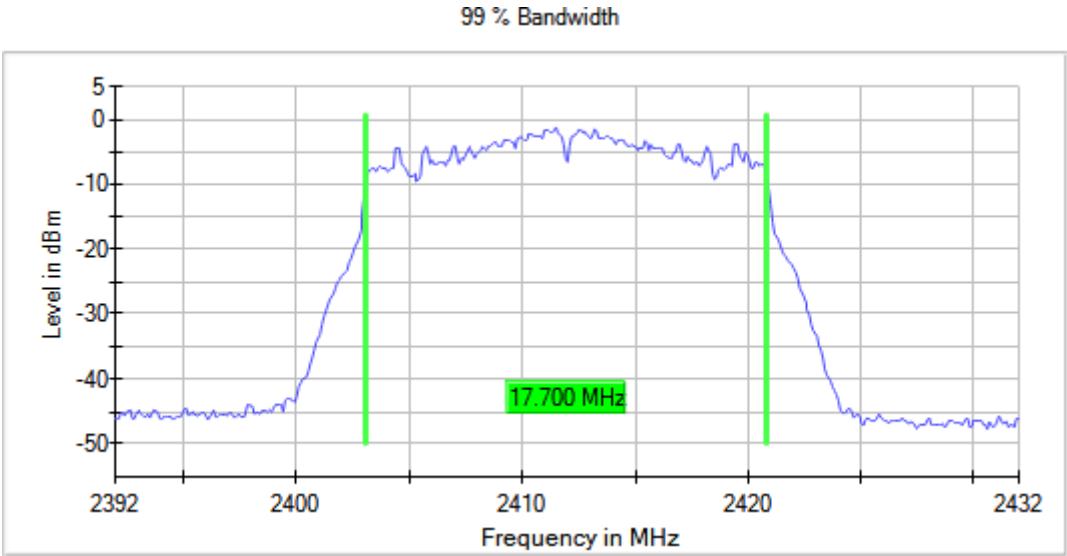
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index =

Images:



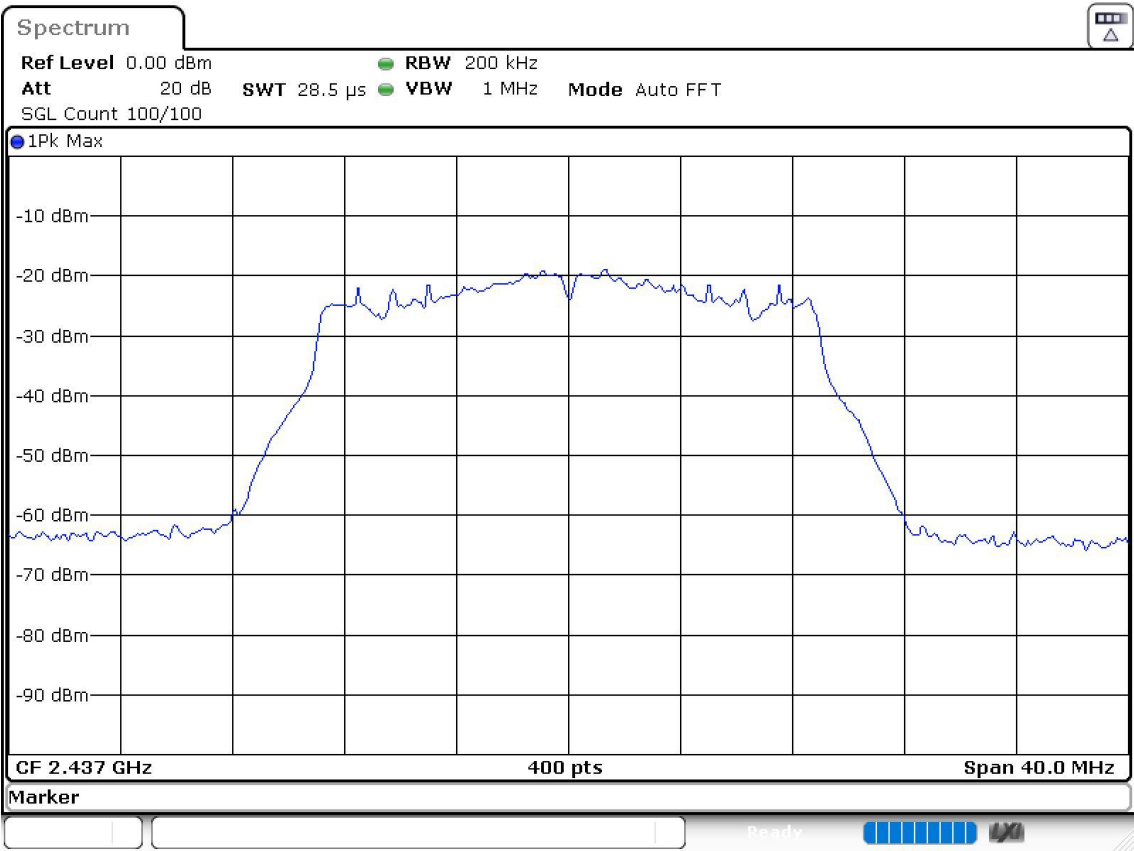
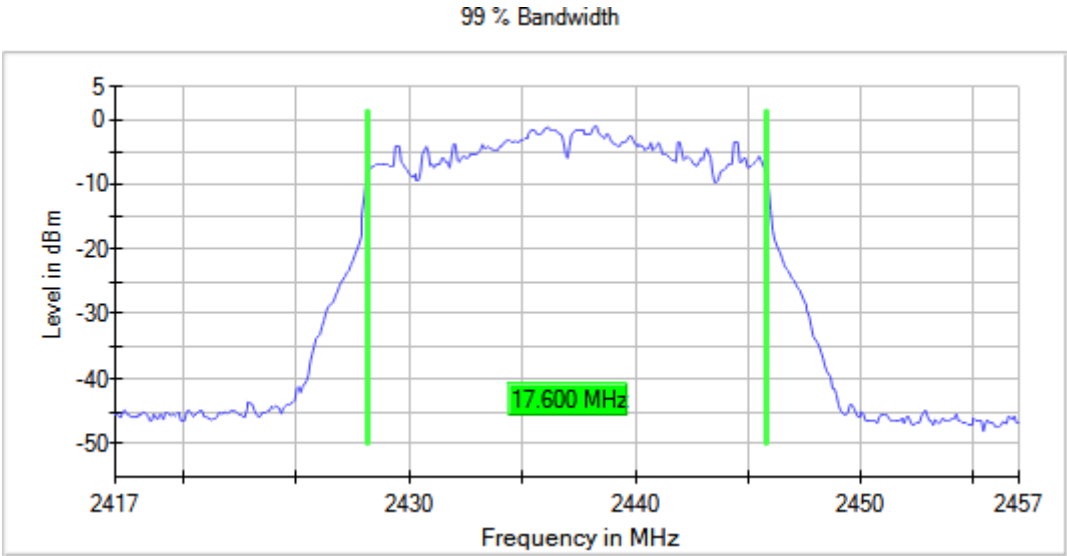
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3+4
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index = -

Images:



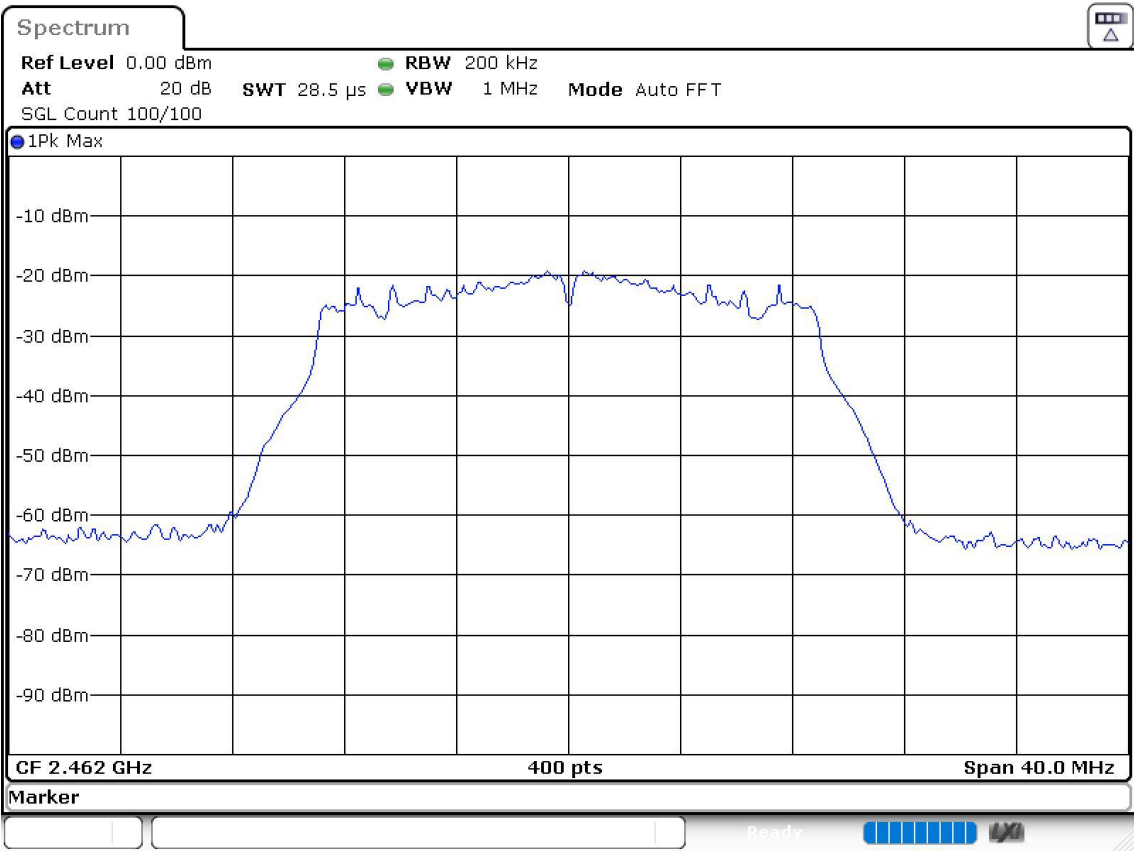
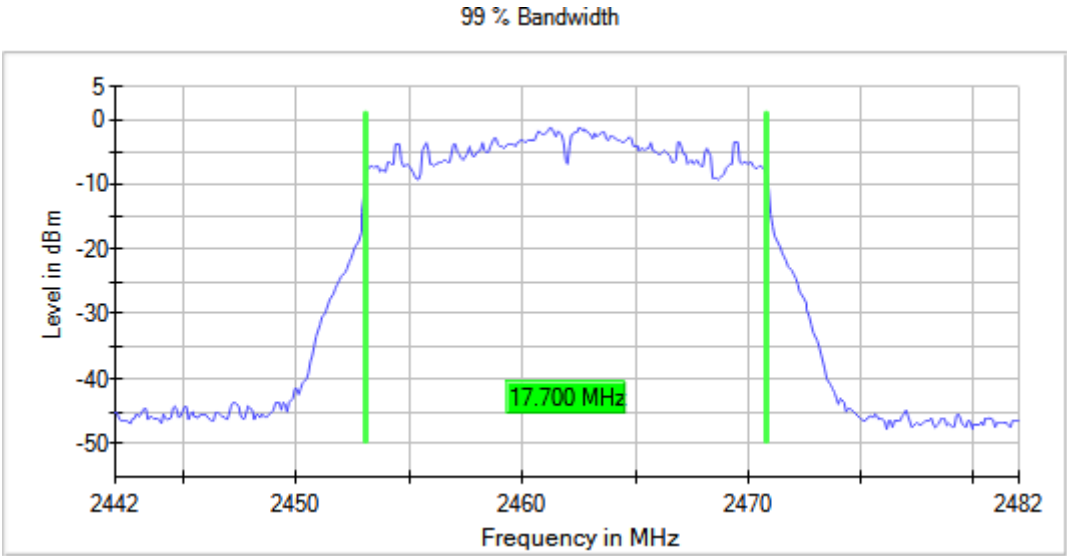
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2437.00000 Active Port = 3+4
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index = -

Images:



Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2462.00000 Active Port = 3+4
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index = -

Images:



Modulation: 802.11ax HE20 (OFDMA MCS0)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	RU (Tone/Index)	Occ Ch BW (MHz)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	3	SU	242/61	19.100
		2437.00000				19.100
		2462.00000				19.200
		2412.00000	3+4			19.100
		2437.00000				19.100
		2462.00000				19.100

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

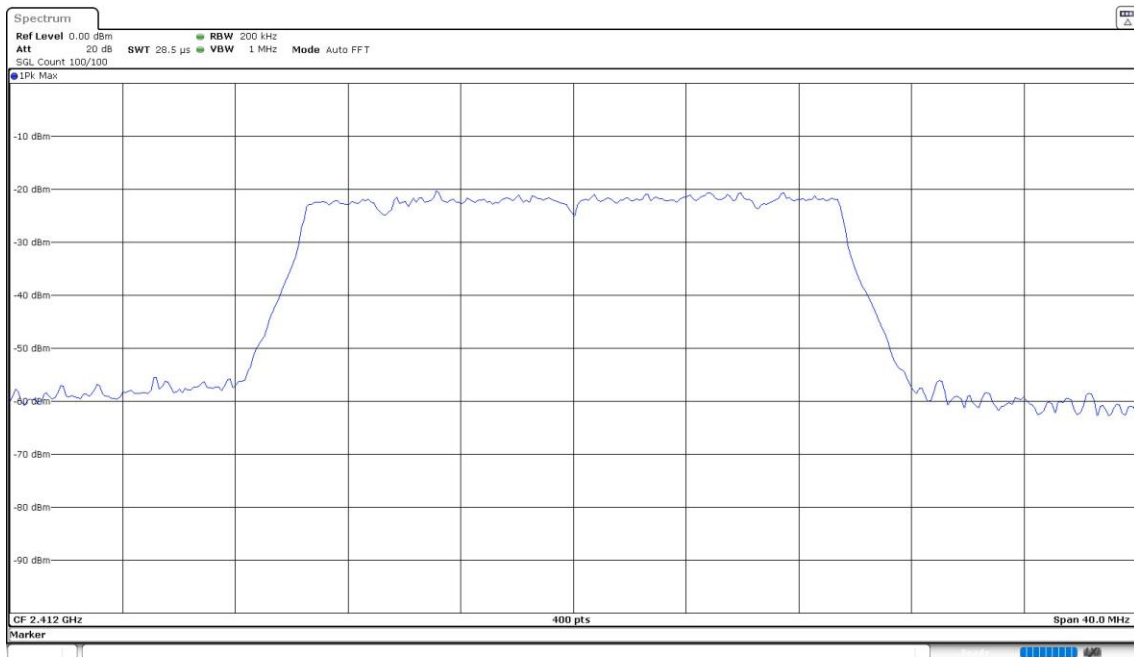
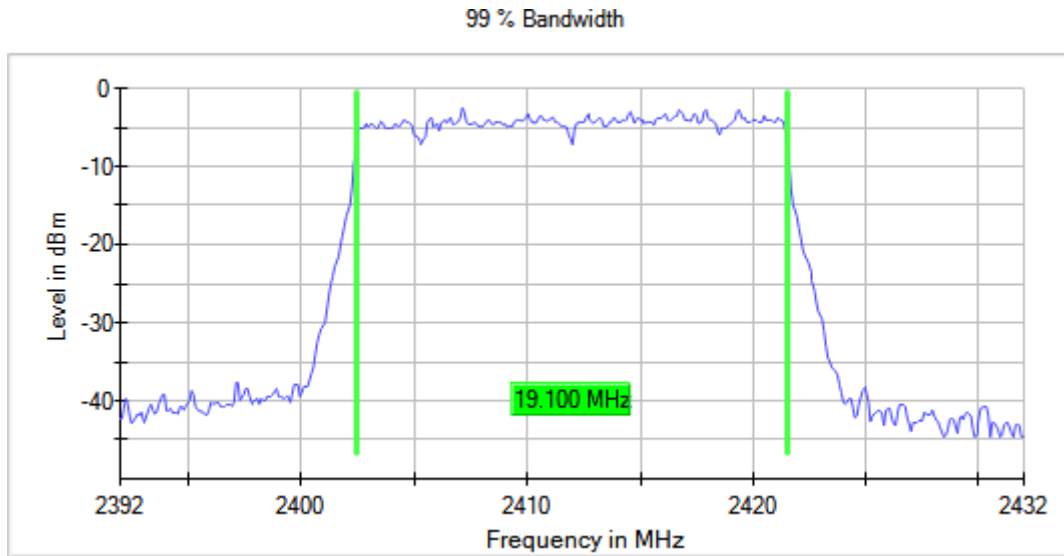
Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Resource Unit Tone/Index = 242/61

Images:



Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

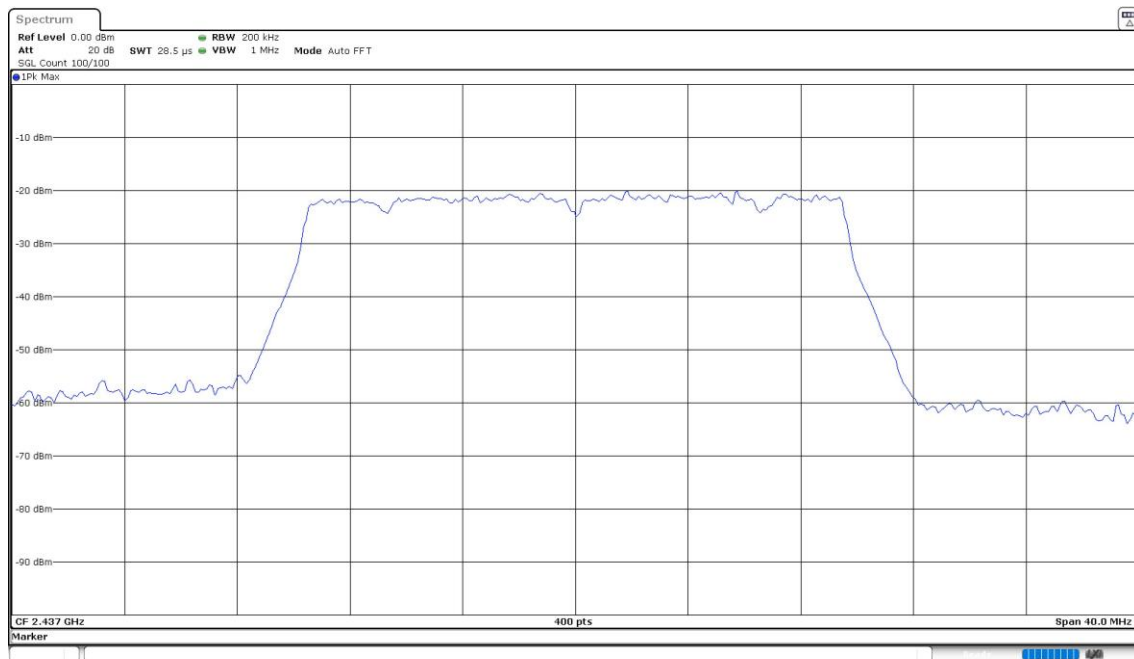
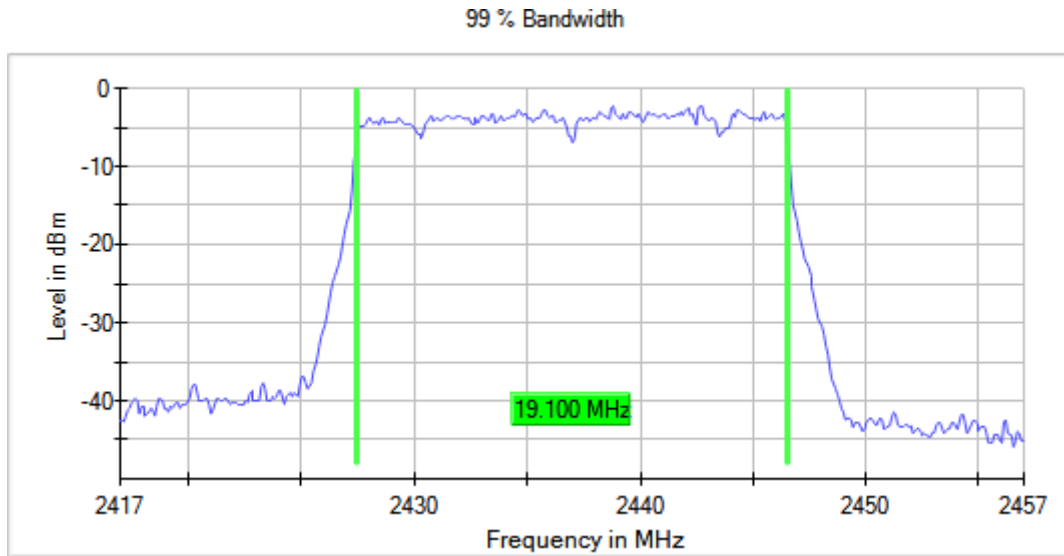
Frequency MHz = 2437.00000

Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU

Resource Unit Tone/Index = 242/61

Images:



Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

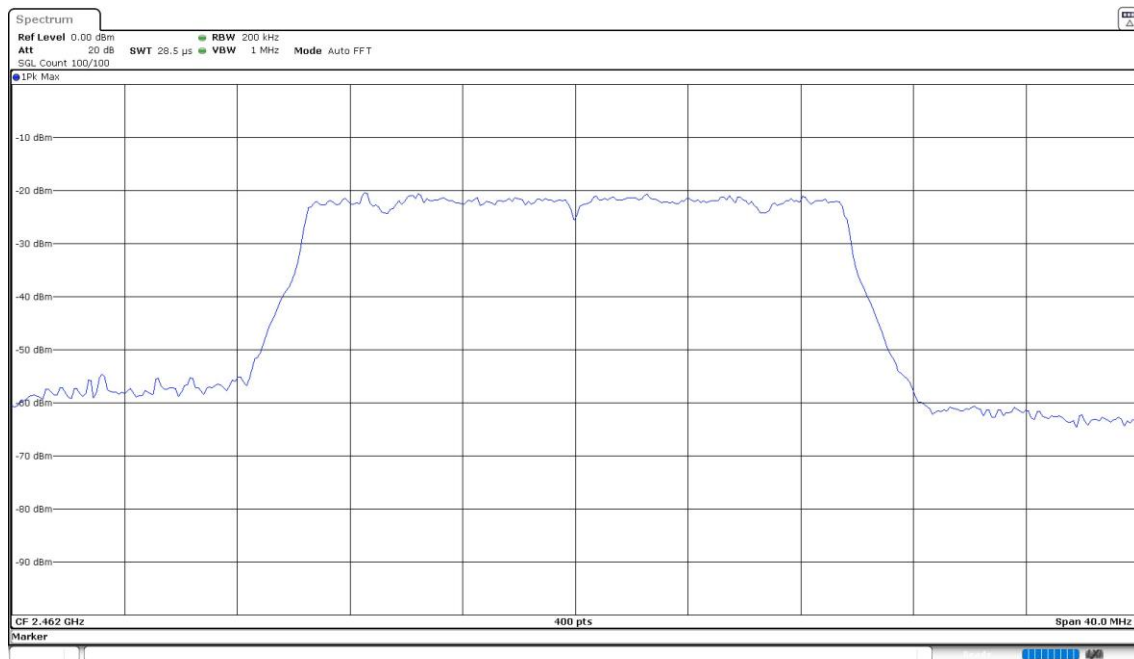
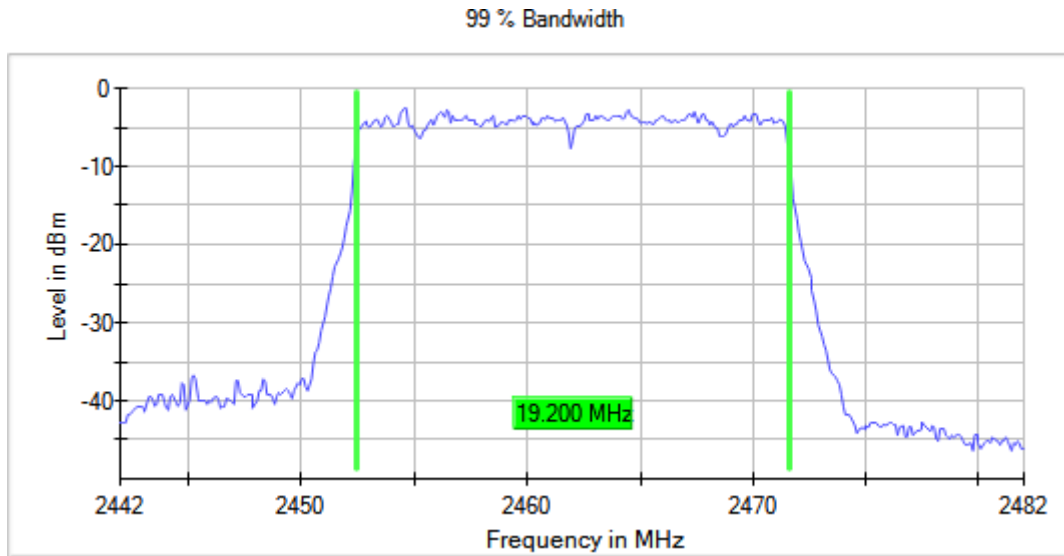
Frequency MHz = 2462.00000

Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU

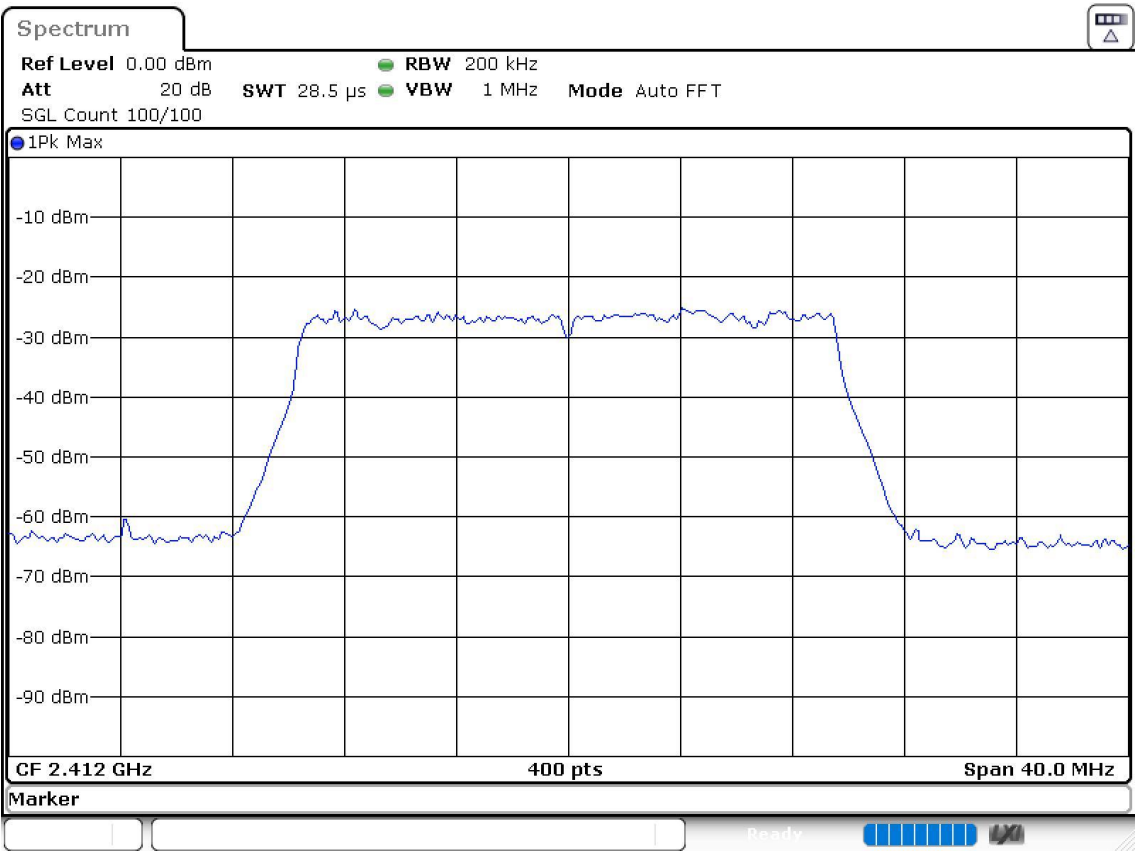
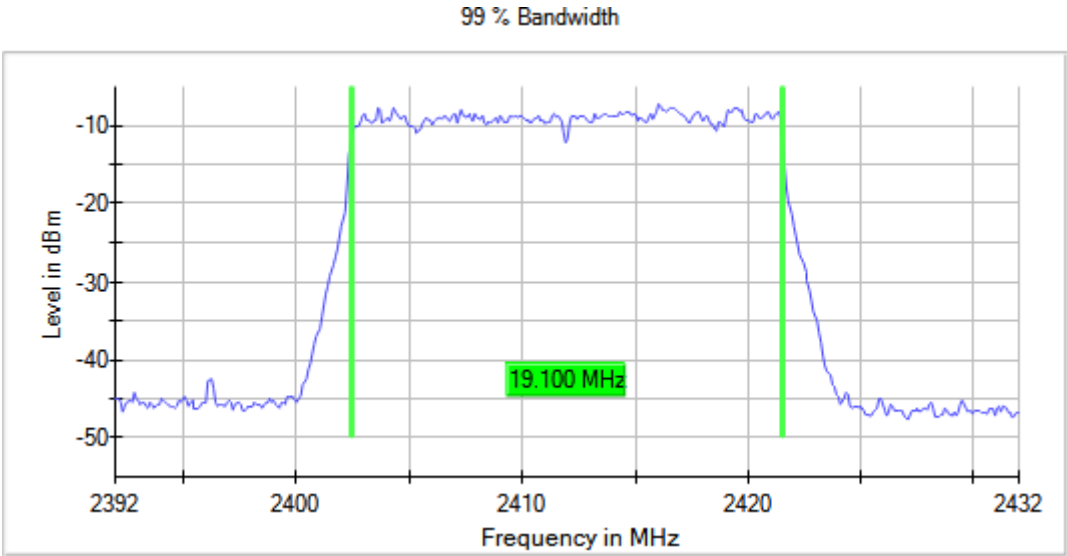
Resource Unit Tone/Index = 242/61

Images:



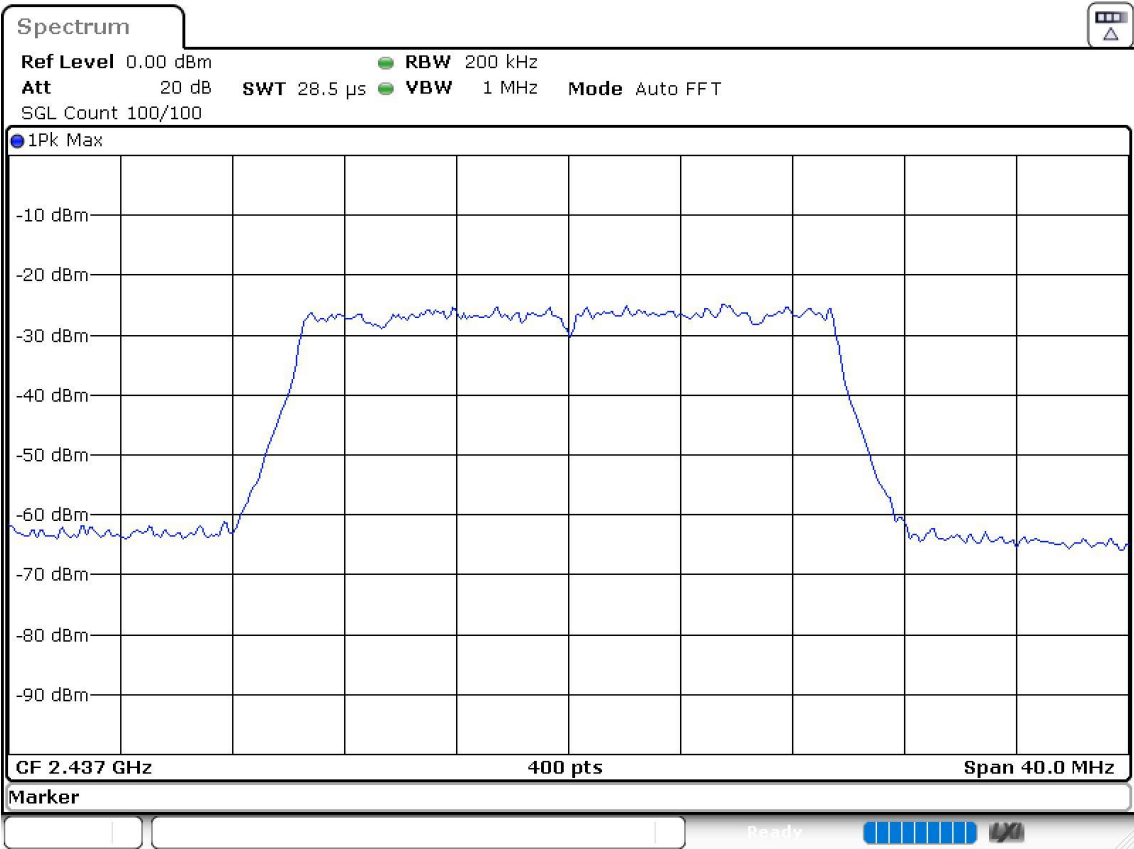
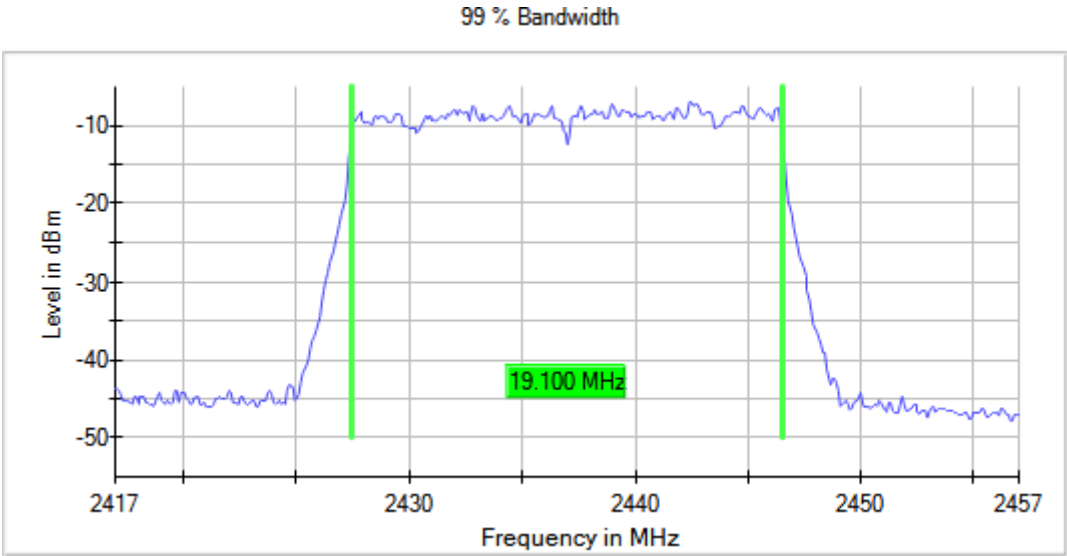
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:



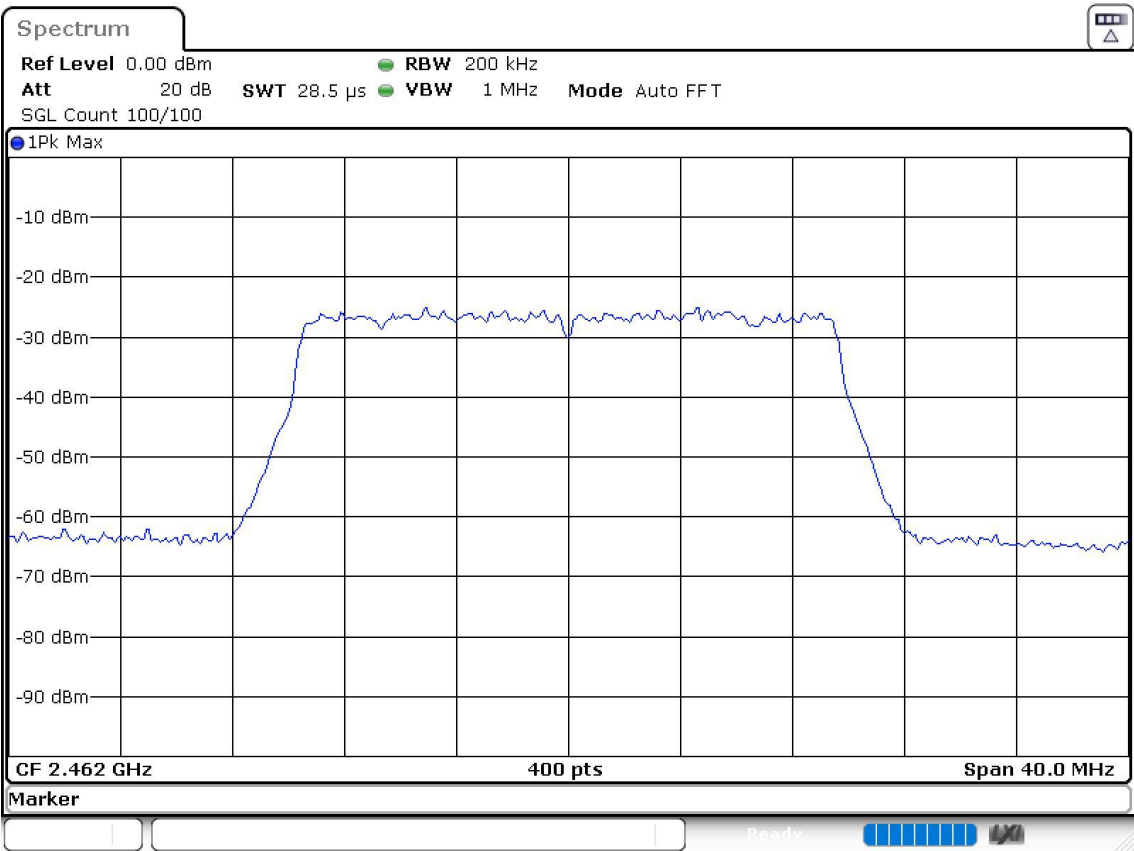
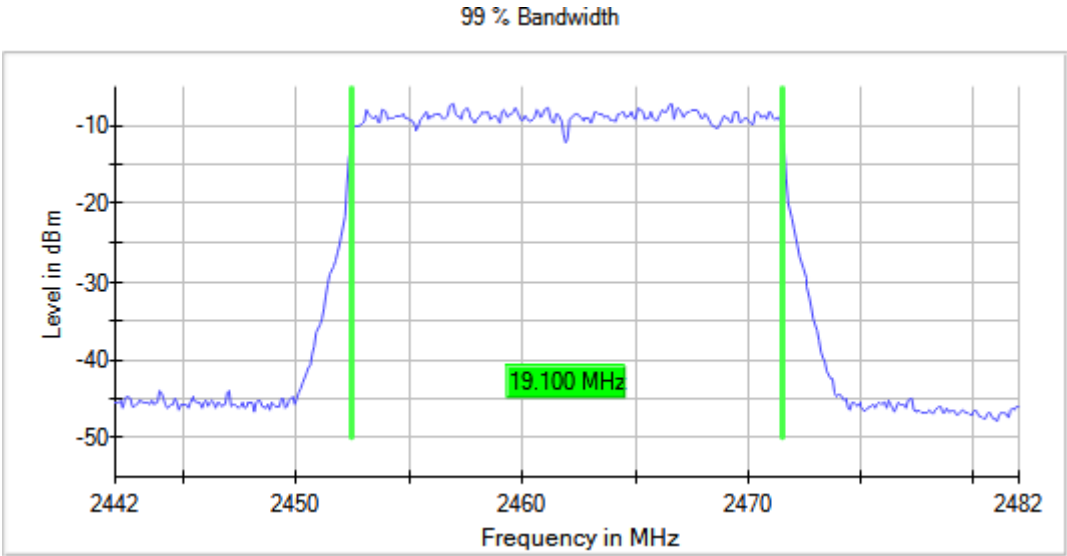
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2437.00000 Active Port = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:



Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2462.00000 Active Port = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:



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: 802.11b (DSSS 1 Mbit/s)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Ebw (MHz)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	3	8.750
		2437.00000		8.950
		2462.00000		8.950

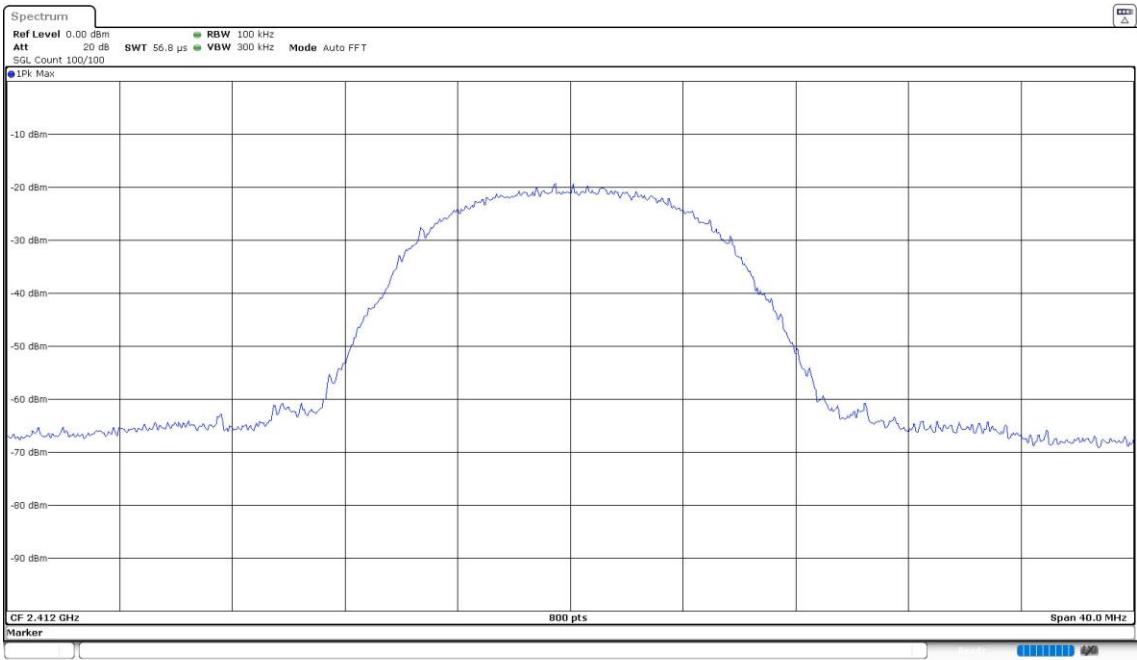
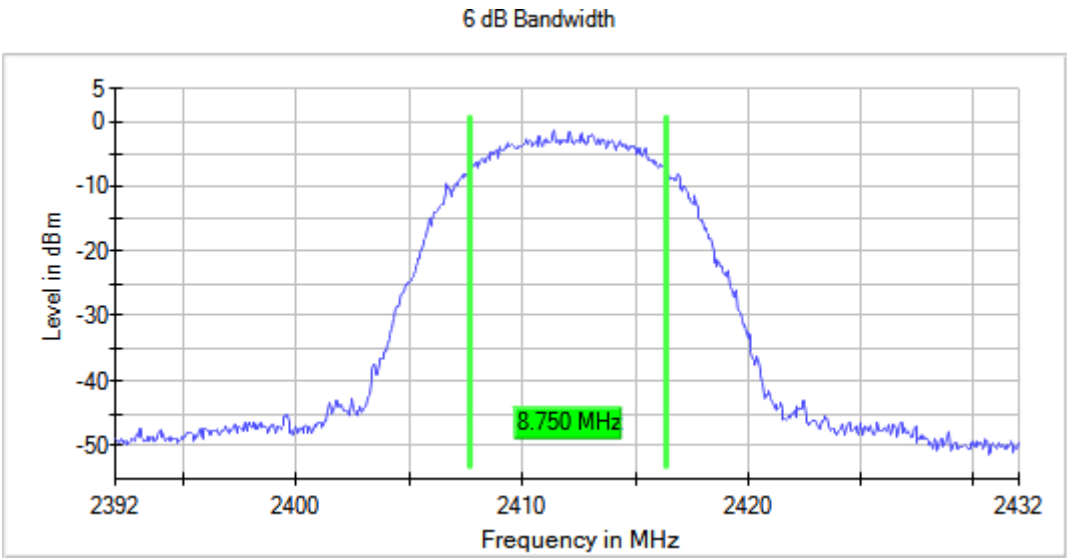
Verdict

Pass

Attachments

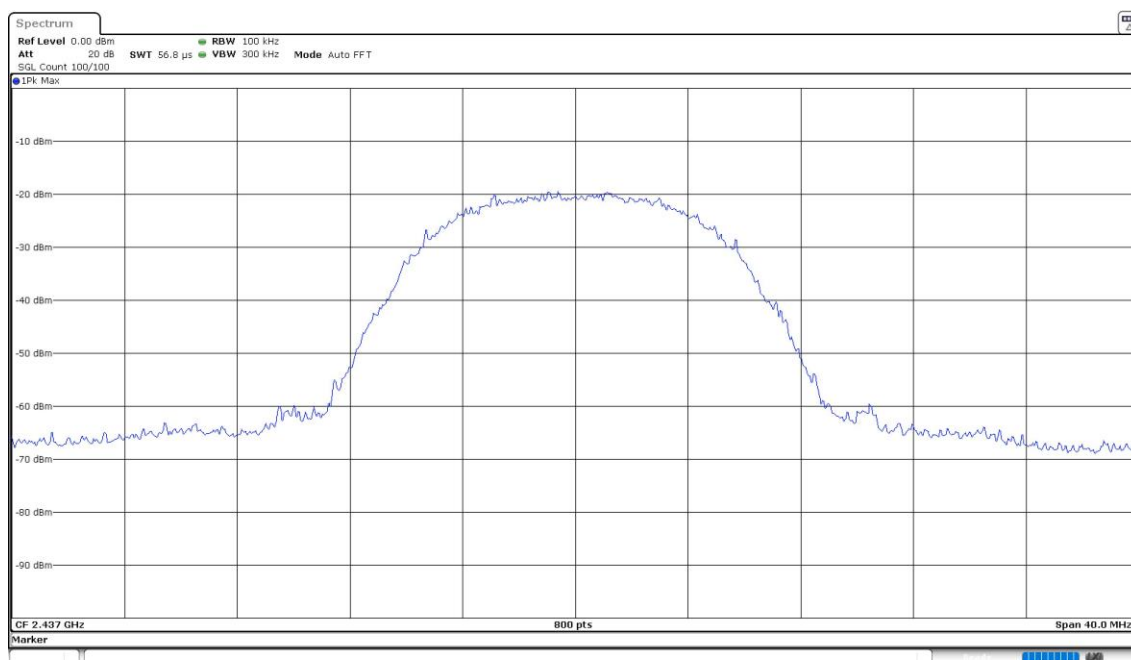
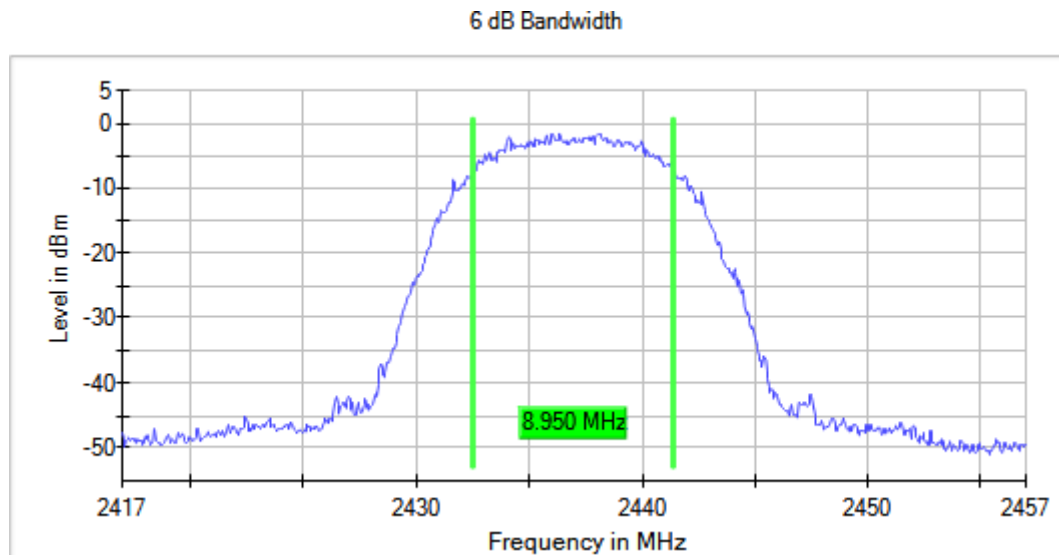
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3
Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



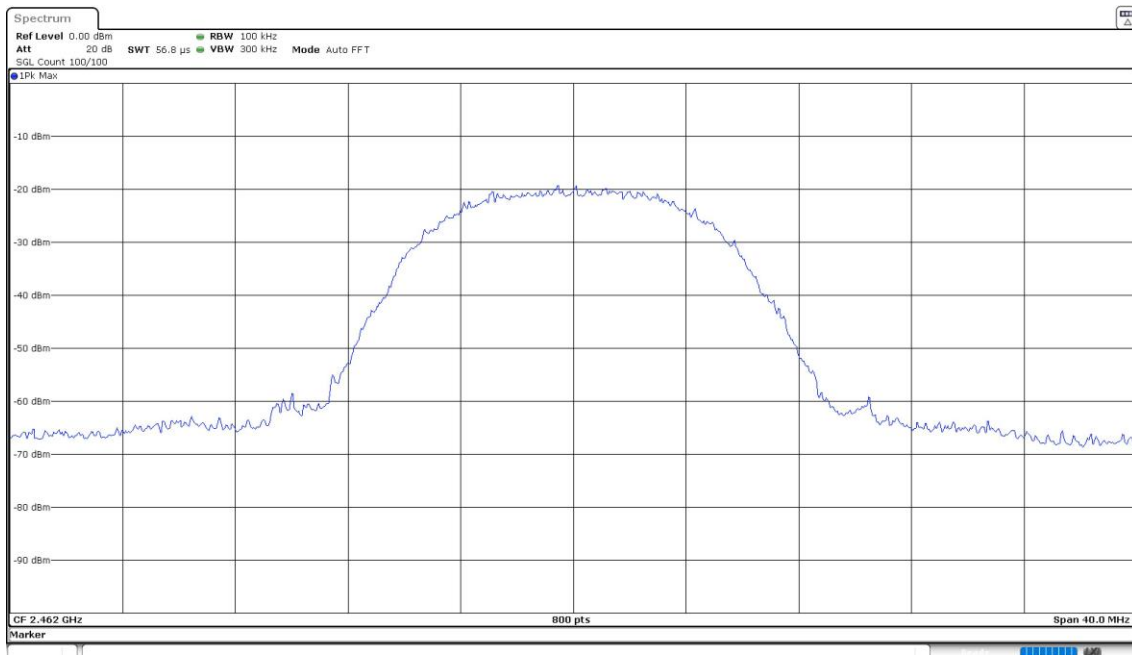
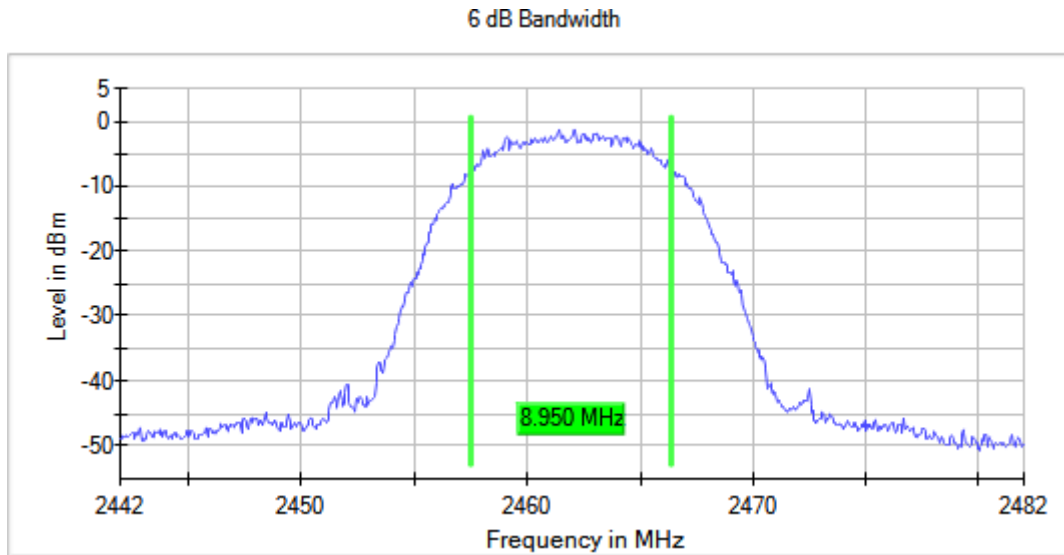
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
 Frequency MHz = 2437.00000 Active Port = 3
 Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2462.00000 Active Port = 3
Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Modulation: 802.11g (OFDM 6 Mbit/s)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Ebw (MHz)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	3	16.550
		2437.00000		16.550
		2462.00000		16.550

Verdict

Pass

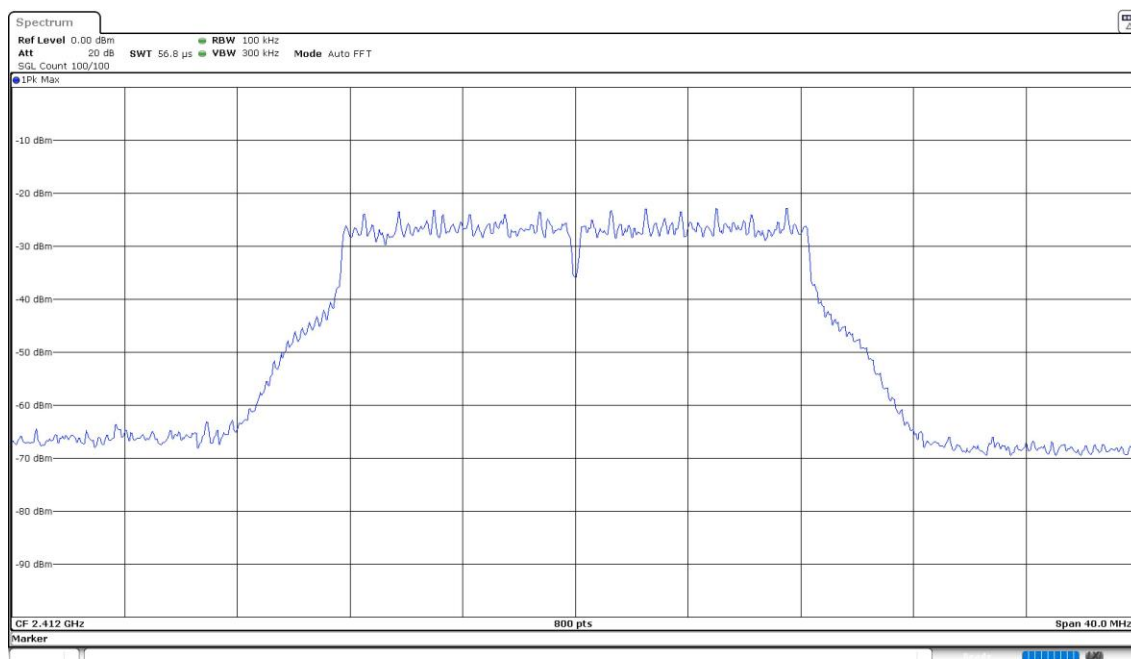
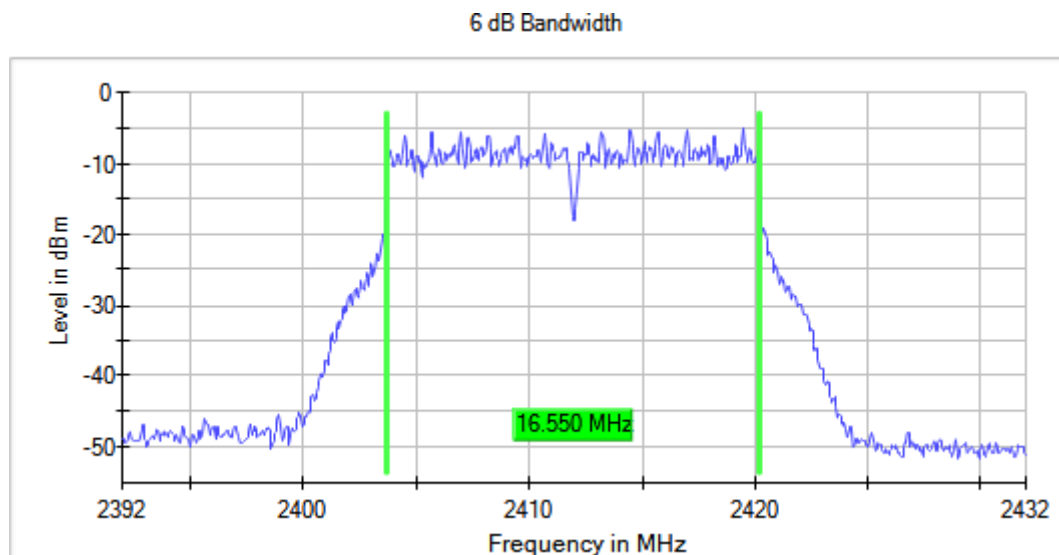
Attachments

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000 Active Port = 3

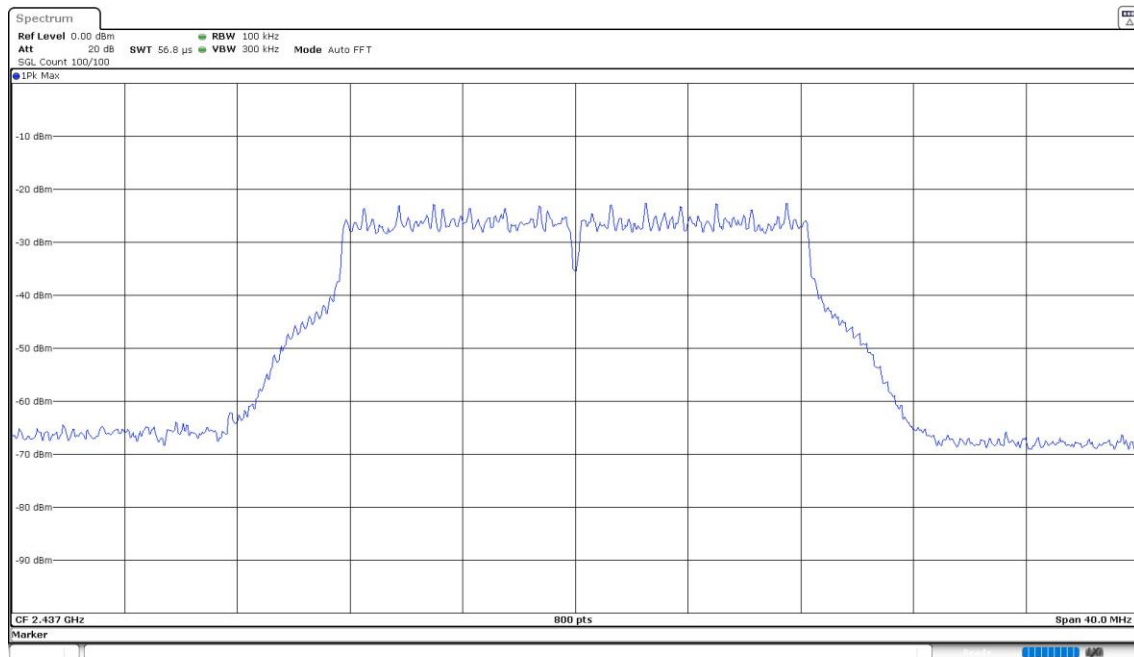
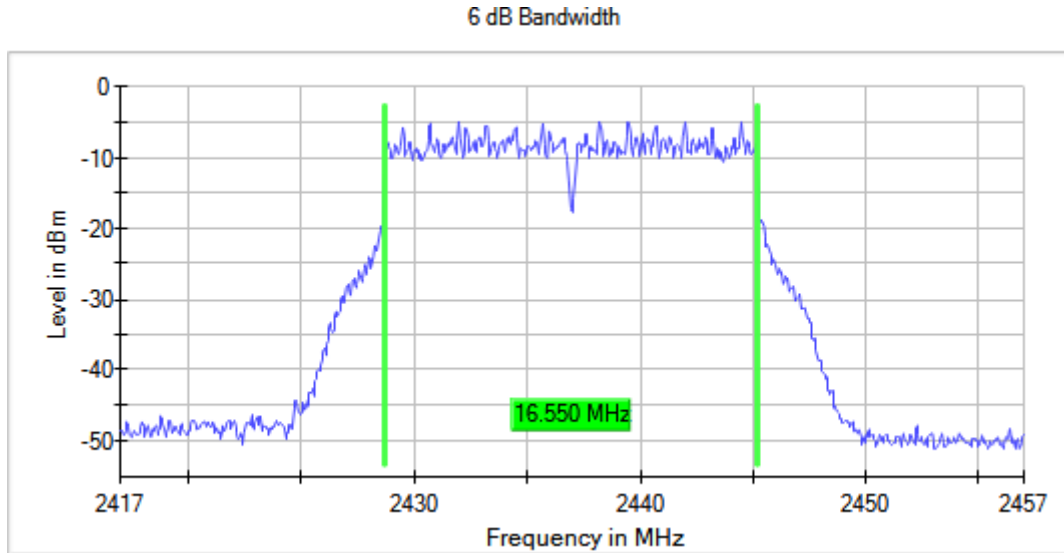
Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
 Frequency MHz = 2437.00000 Active Port = 3
 Modulation = 802.11g (OFDM 6 Mbit/s)

Images:

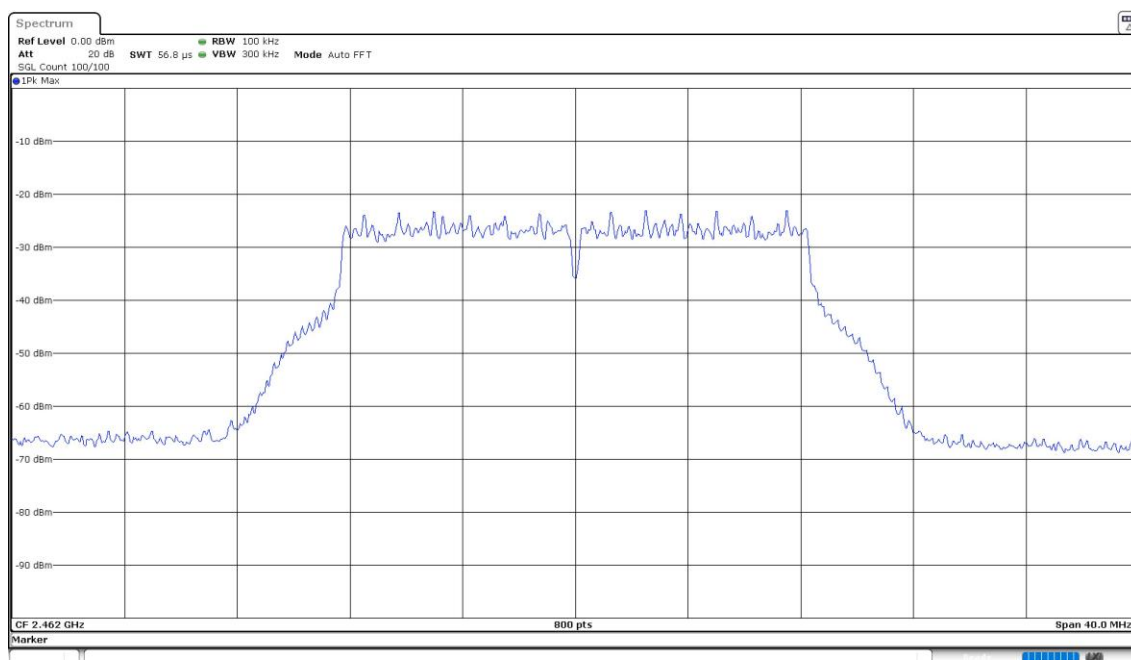
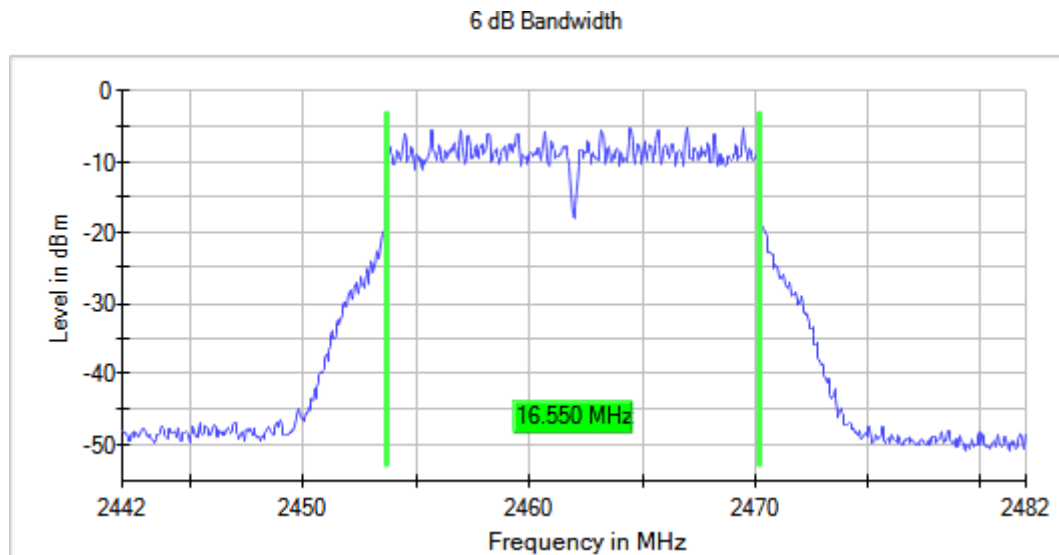


Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000 Active Port = 3

Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Modulation: 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	RU (Tone/Index)	Ebw (MHz)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	3		17.350
		2437.00000			16.400
		2462.00000			16.400
		2412.00000	3+4	-	17.700
		2437.00000			16.400
		2462.00000			17.000

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

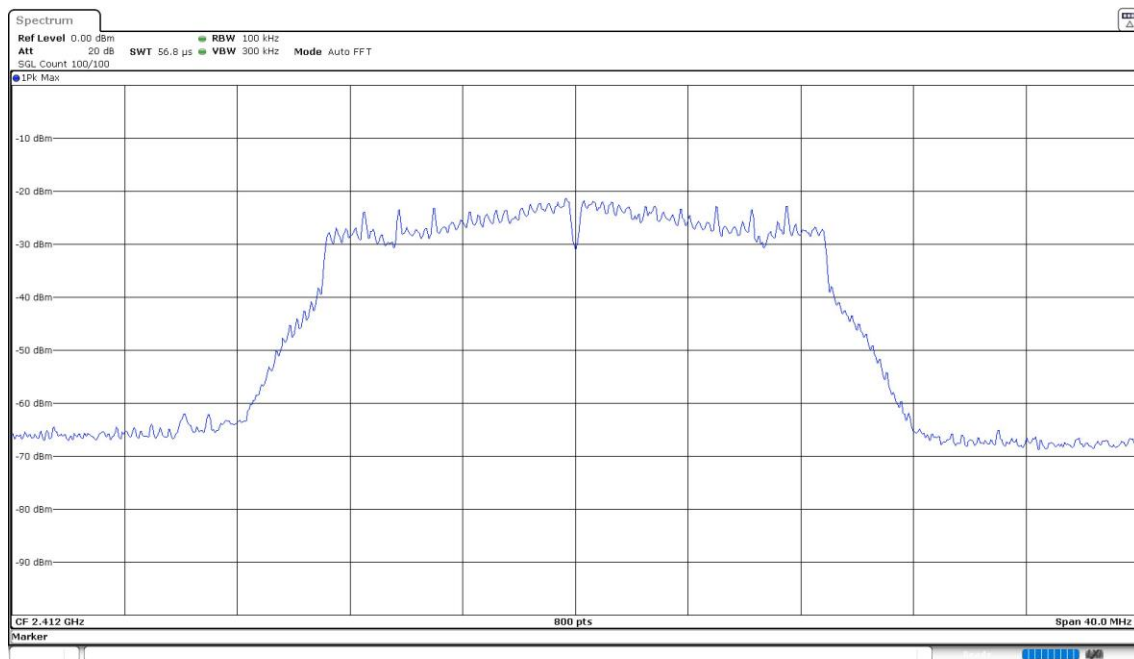
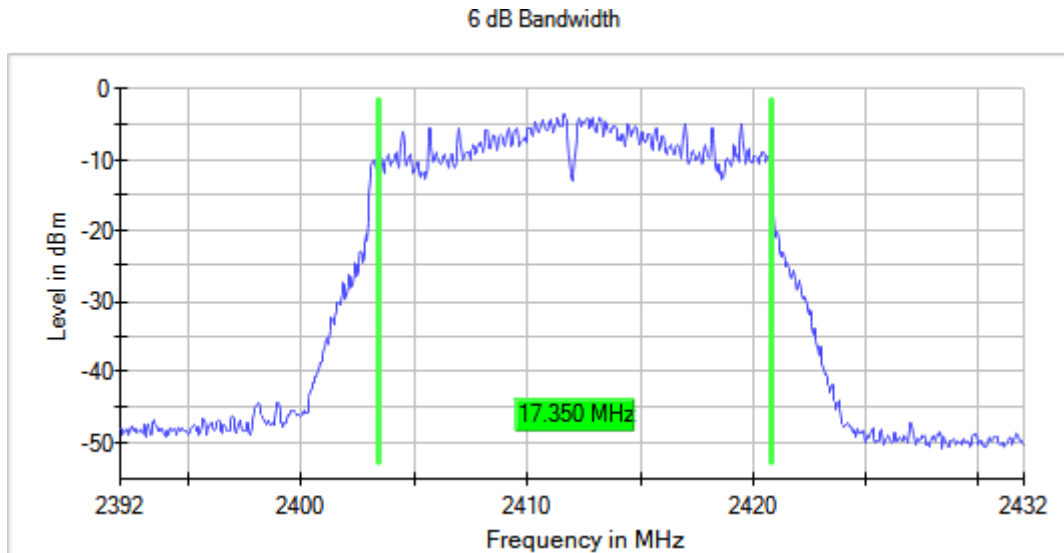
Frequency MHz = 2412.00000

Active Port = 3

Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

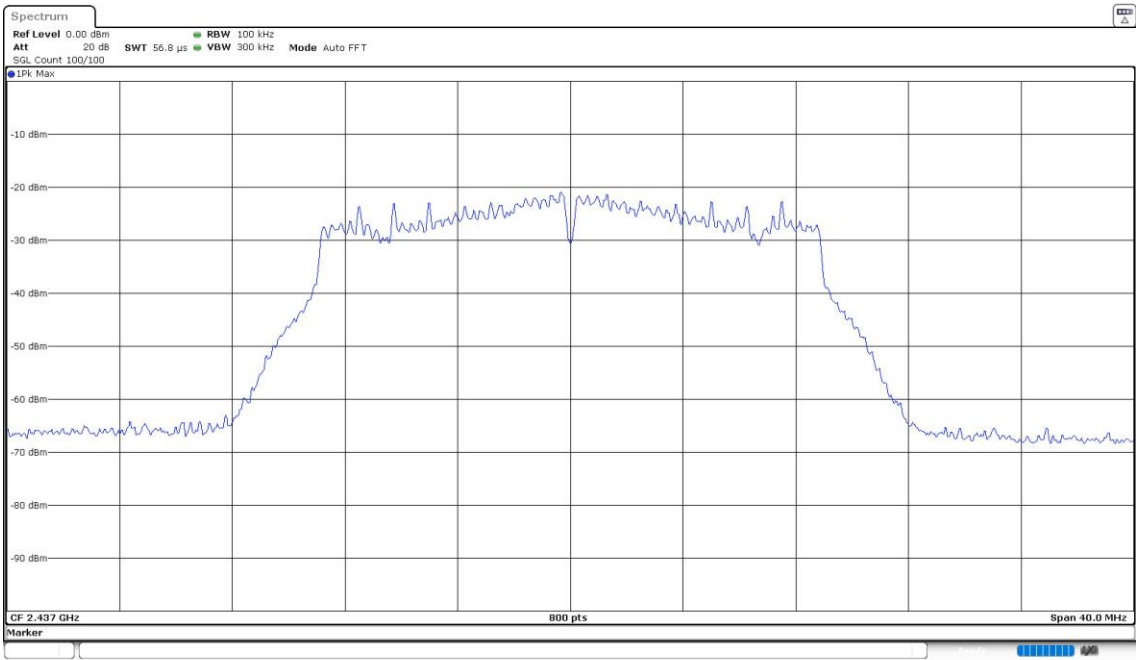
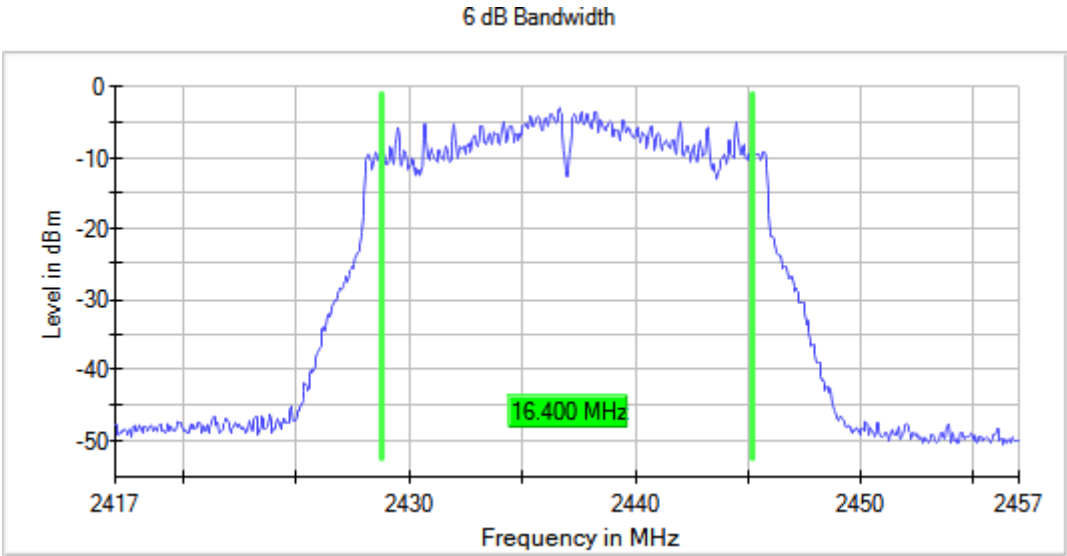
Resource Unit Tone/Index =

Images:



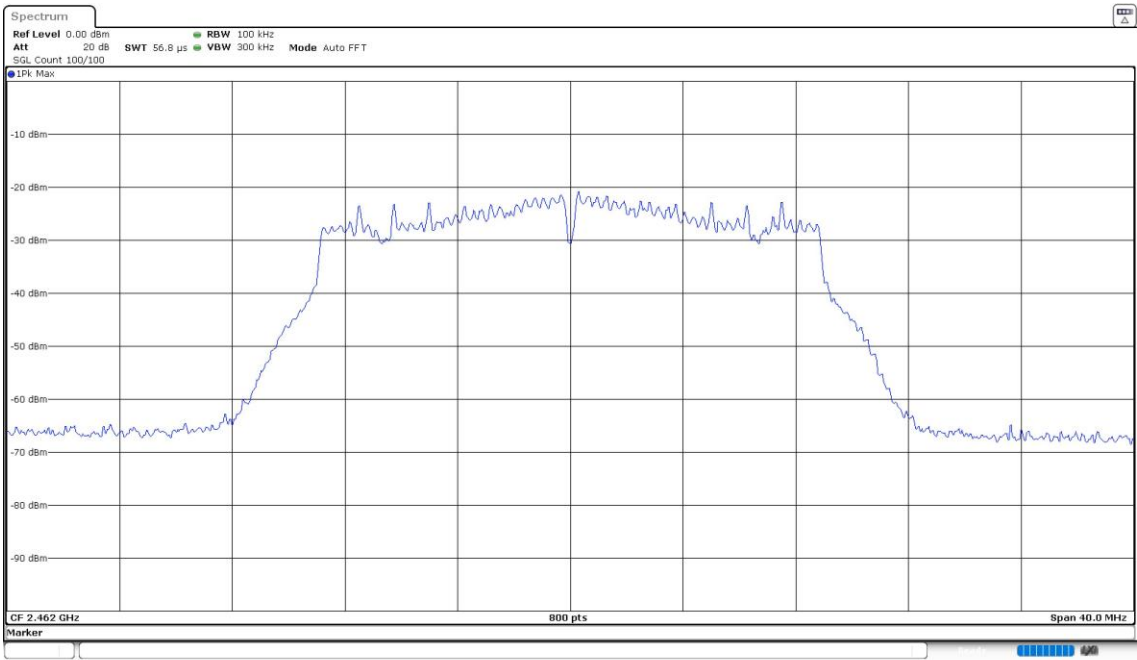
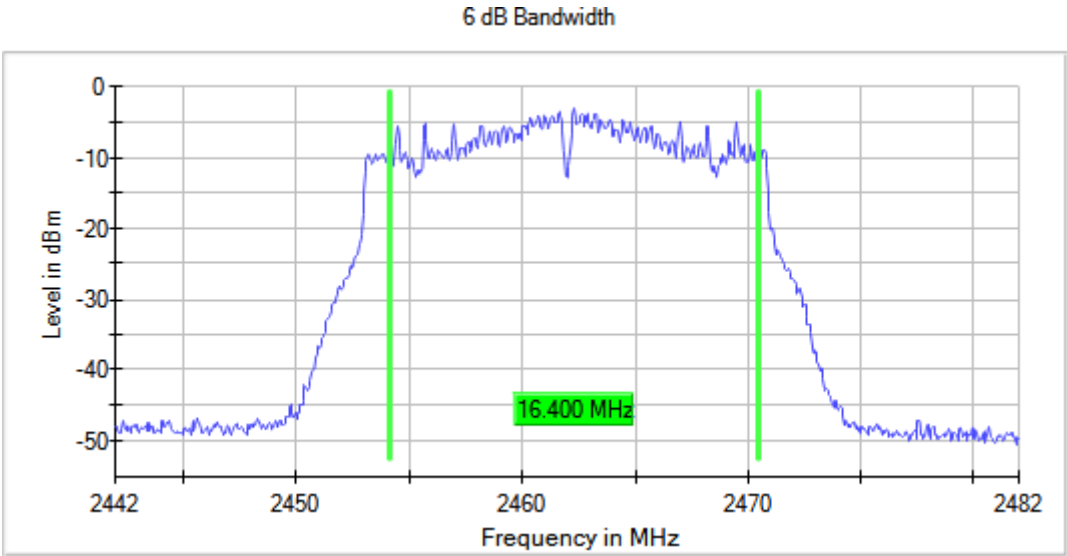
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2437.00000 Active Port = 3
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index =

Images:



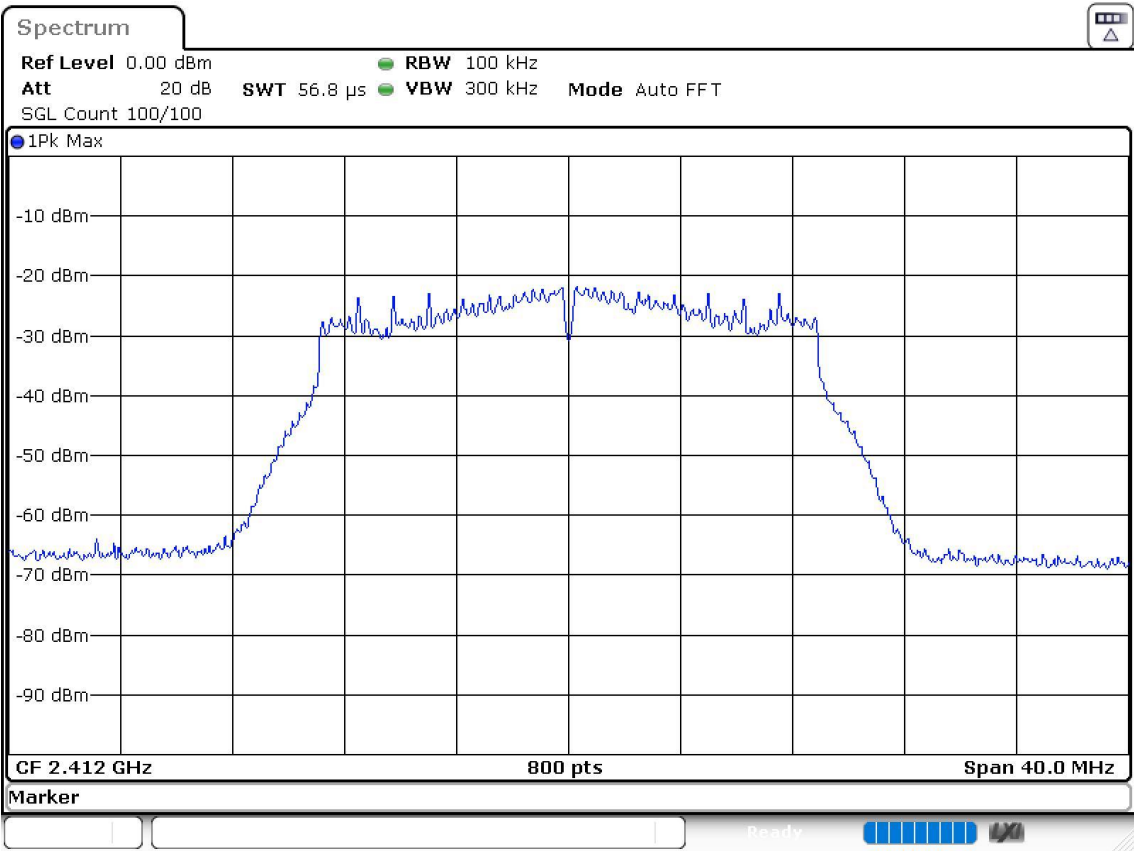
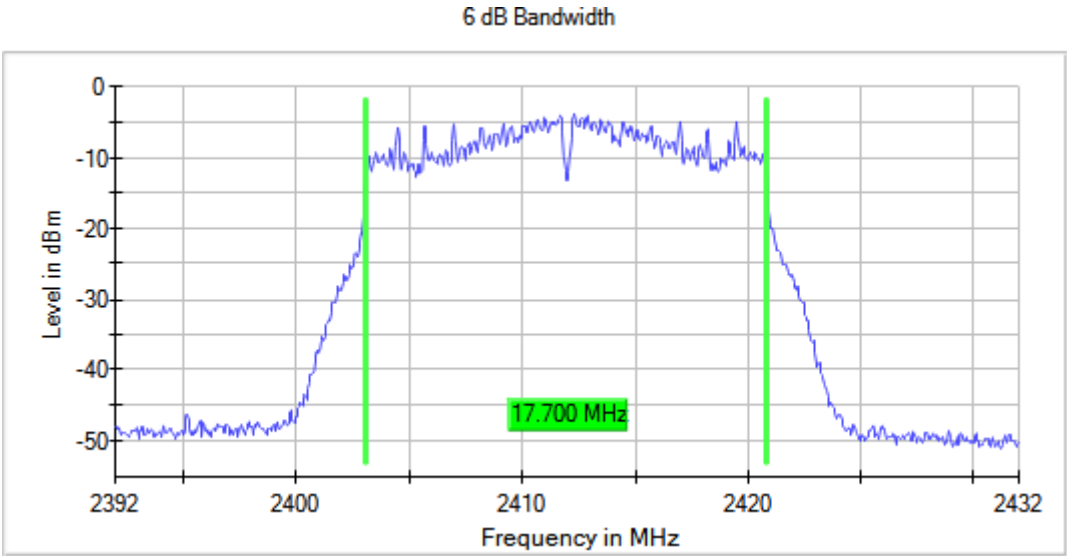
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2462.00000 Active Port = 3
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index =

Images:



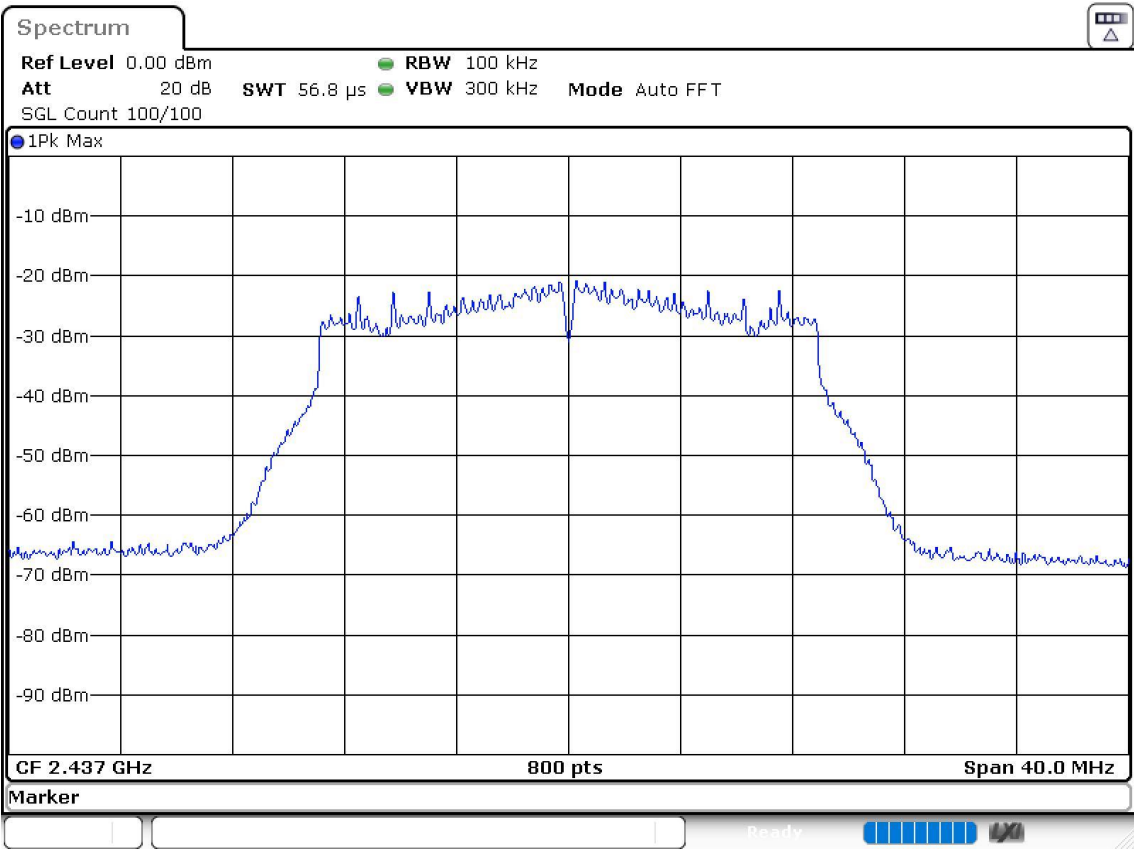
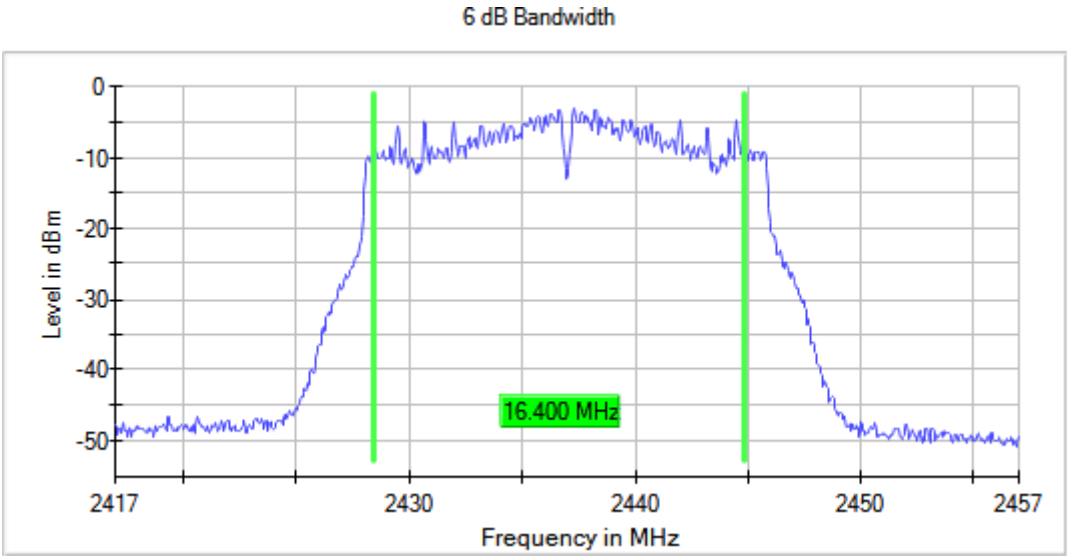
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3+4
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index = -

Images:



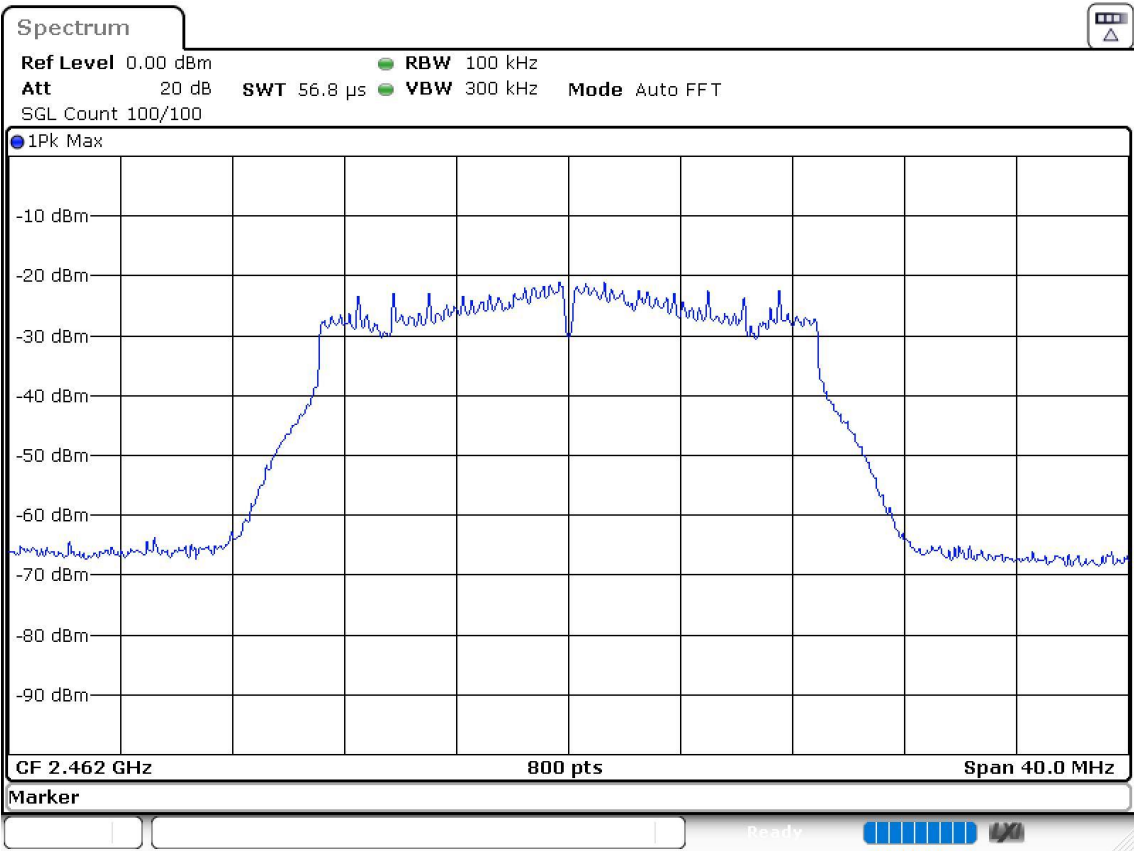
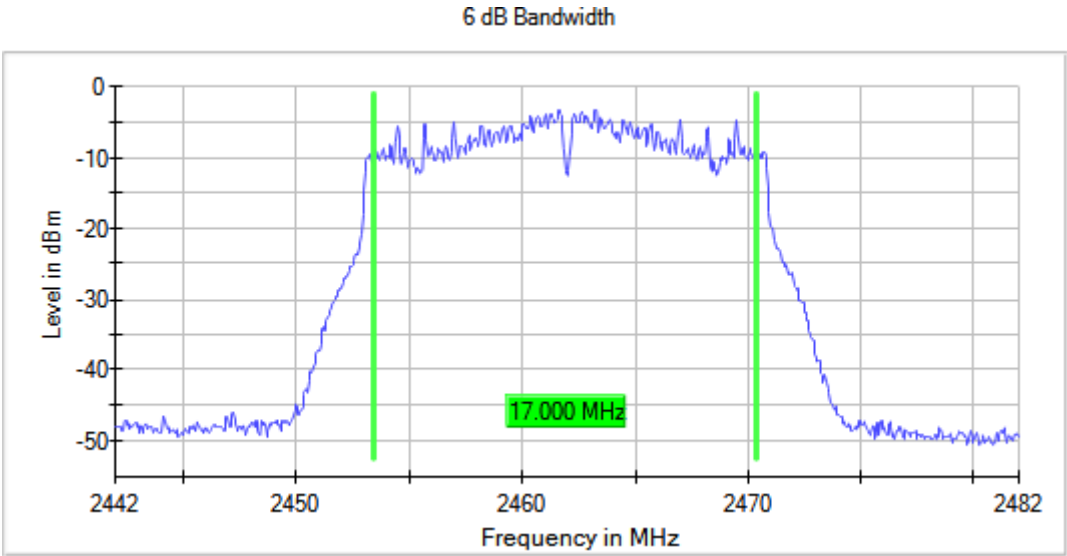
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2437.00000 Active Port = 3+4
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index = -

Images:



Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2462.00000 Active Port = 3+4
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index = -

Images:



Modulation: 802.11ax HE20 (OFDMA MCS0)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	RU (Tone/Index)	Ebw (MHz)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	3	SU	242/61	19.200
				RU	26/0	2.100
		2437.00000		SU	242/61	19.200
				RU	26/3	2.150
		2462.00000		SU	242/61	19.150
				RU	26/8	2.200
		2412.00000	3+4	SU	242/61	19.150
				RU	26/0	2.200
		2437.00000		SU	242/61	19.150
				RU	26/3	2.150
		2462.00000		SU	242/61	19.150
				RU	26/8	2.200

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

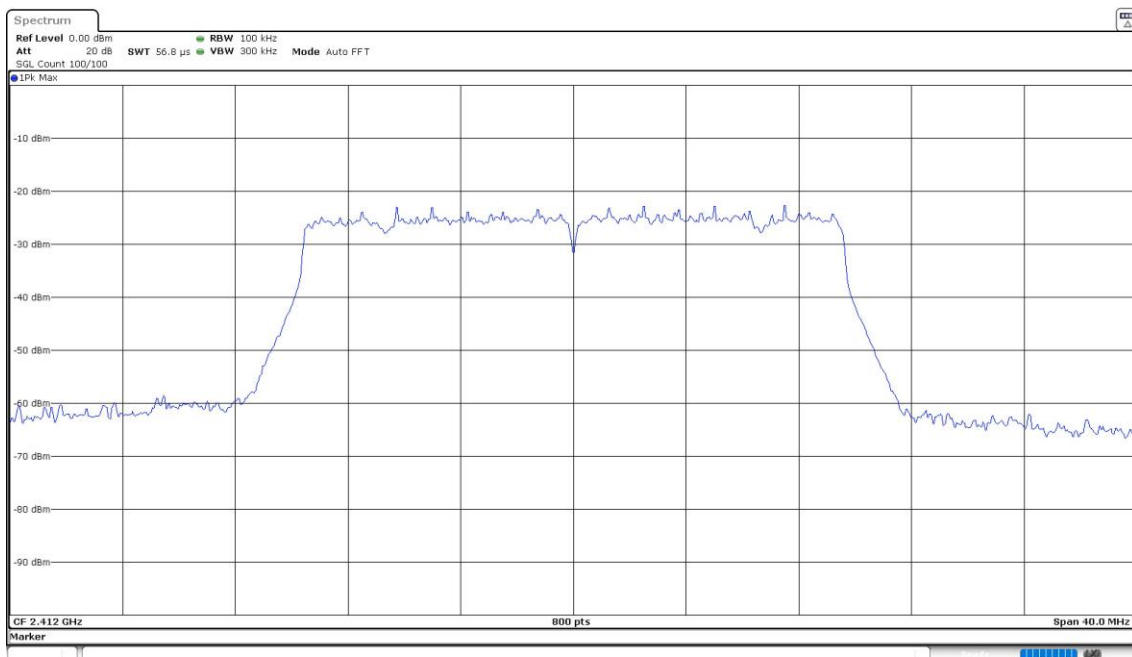
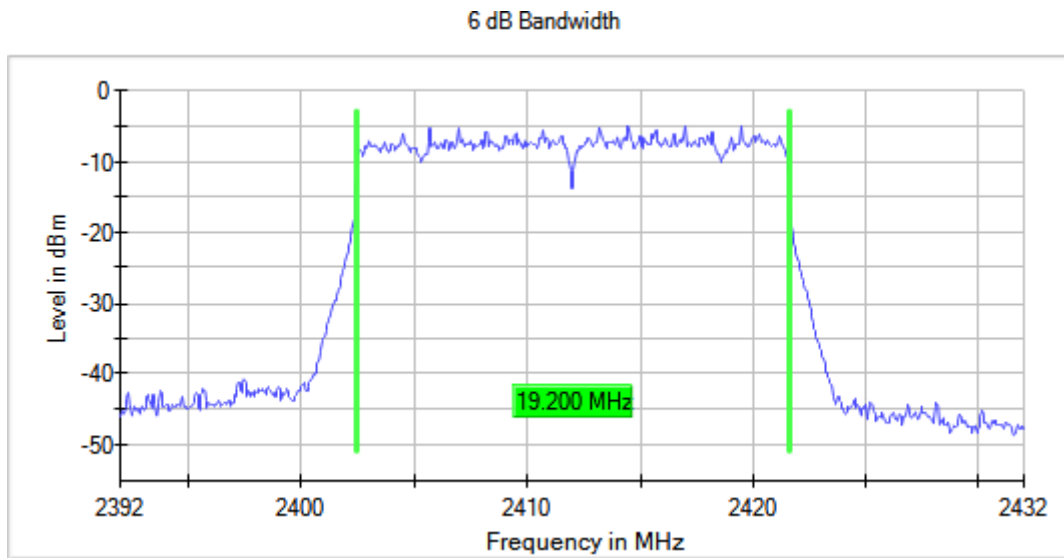
Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Resource Unit Tone/Index = 242/61

Images:



Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

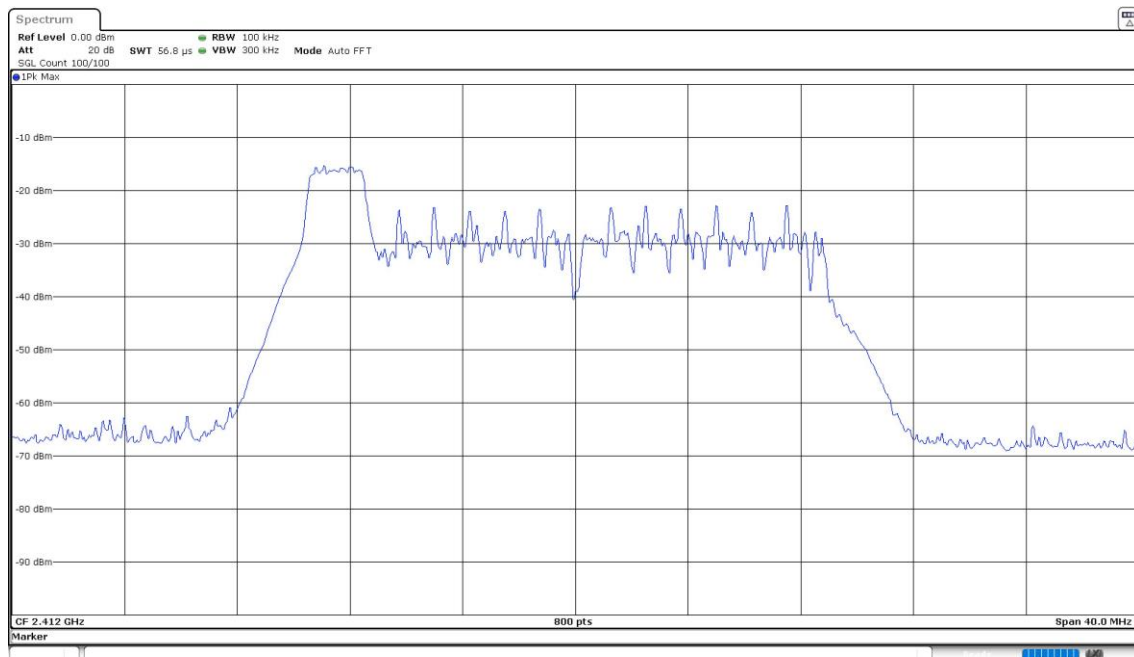
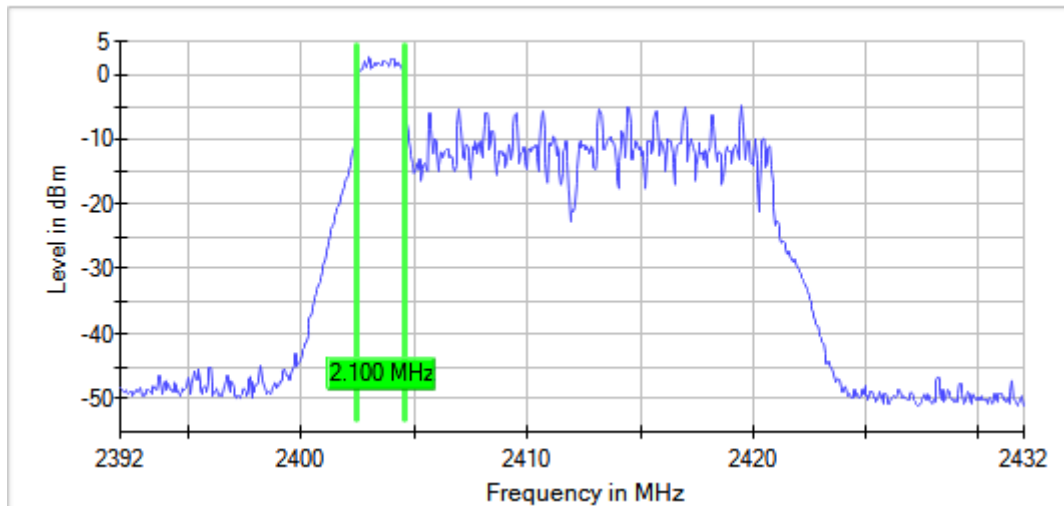
Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU

Resource Unit Tone/Index = 26/0

Images:

6 dB Bandwidth



Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

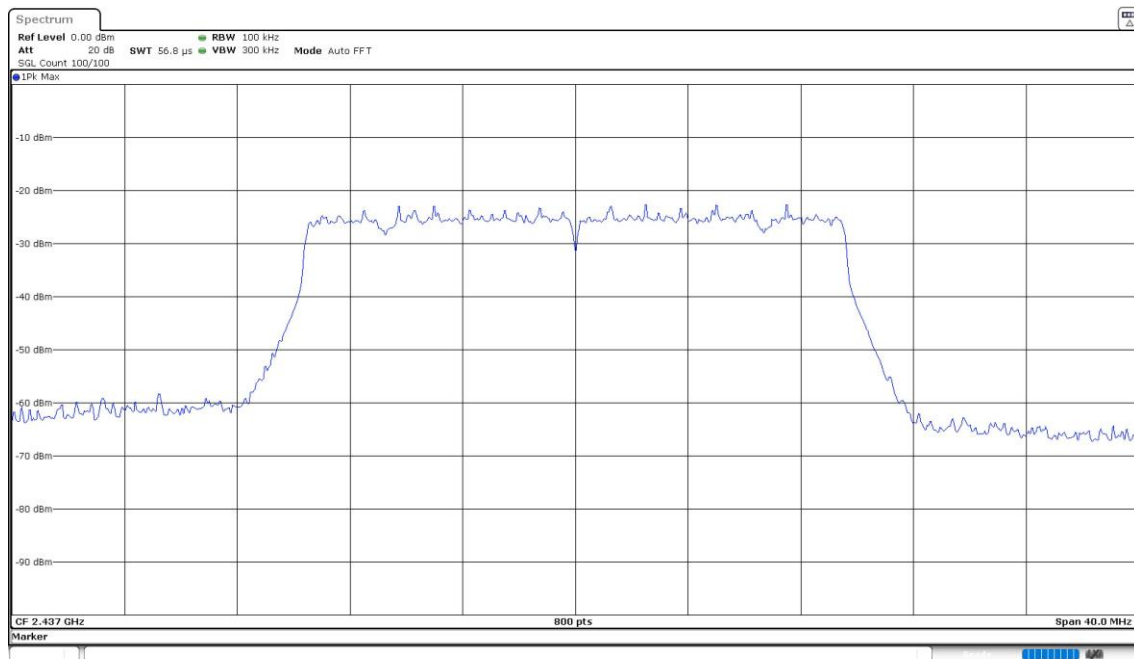
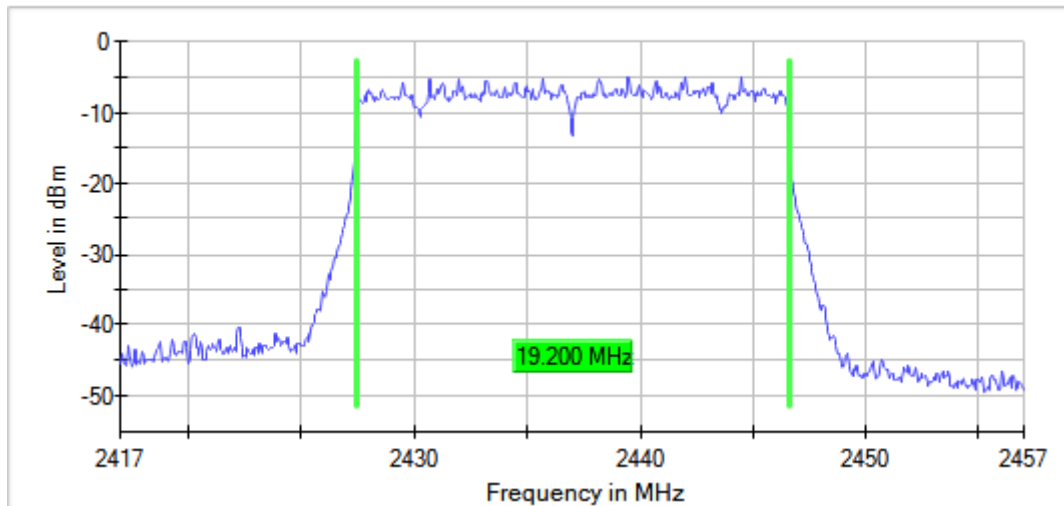
Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU

Resource Unit Tone/Index = 242/61

Images:

6 dB Bandwidth



Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

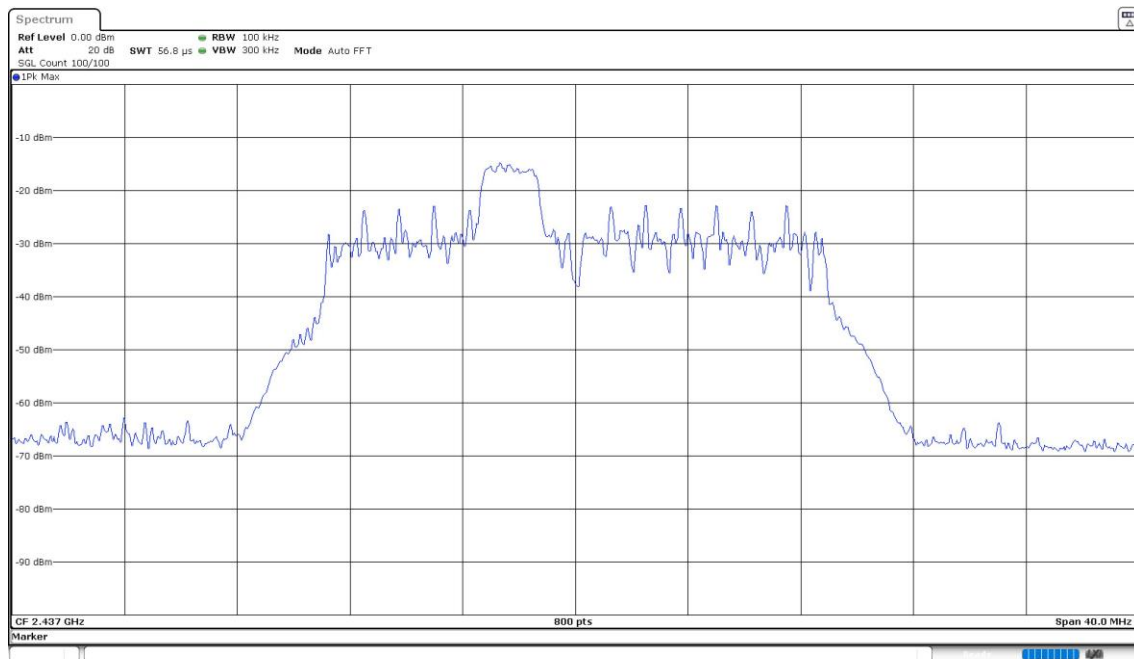
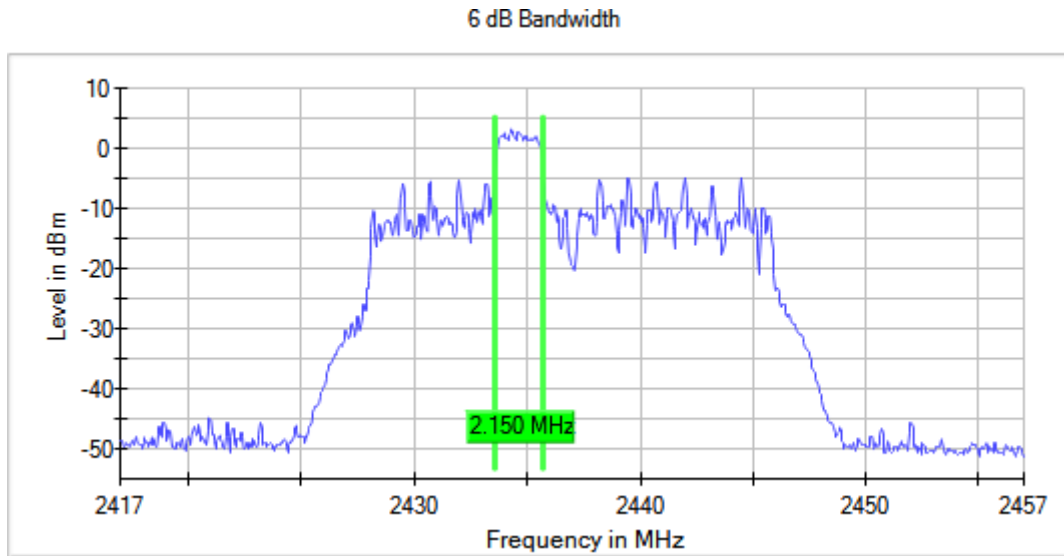
Frequency MHz = 2437.00000

Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU

Resource Unit Tone/Index = 26/3

Images:



Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

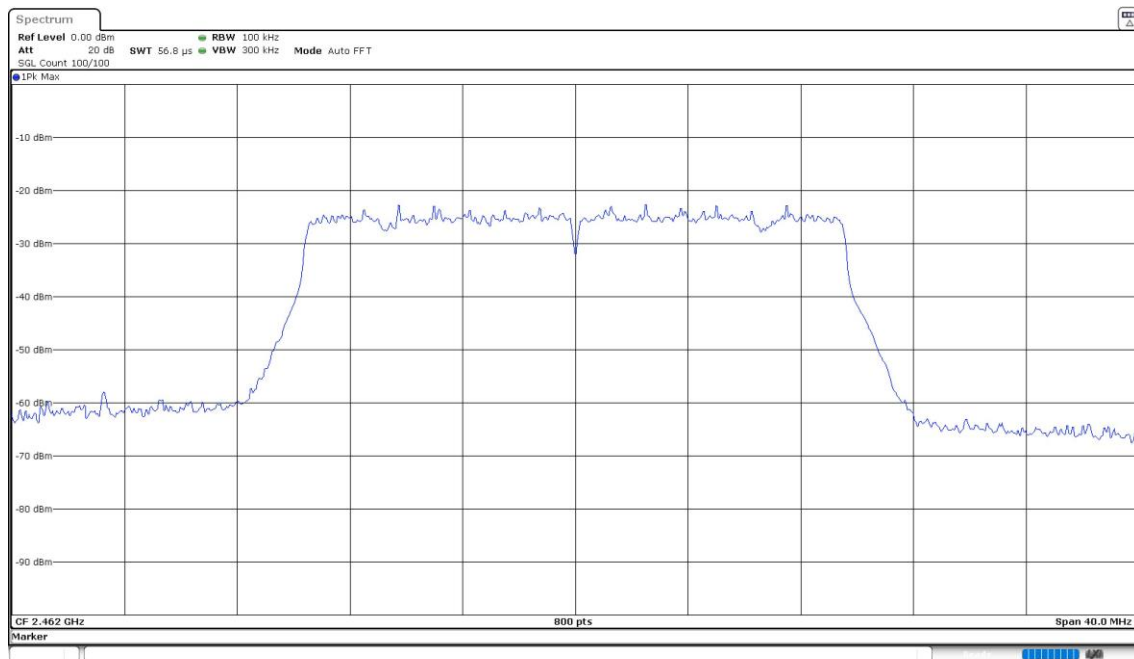
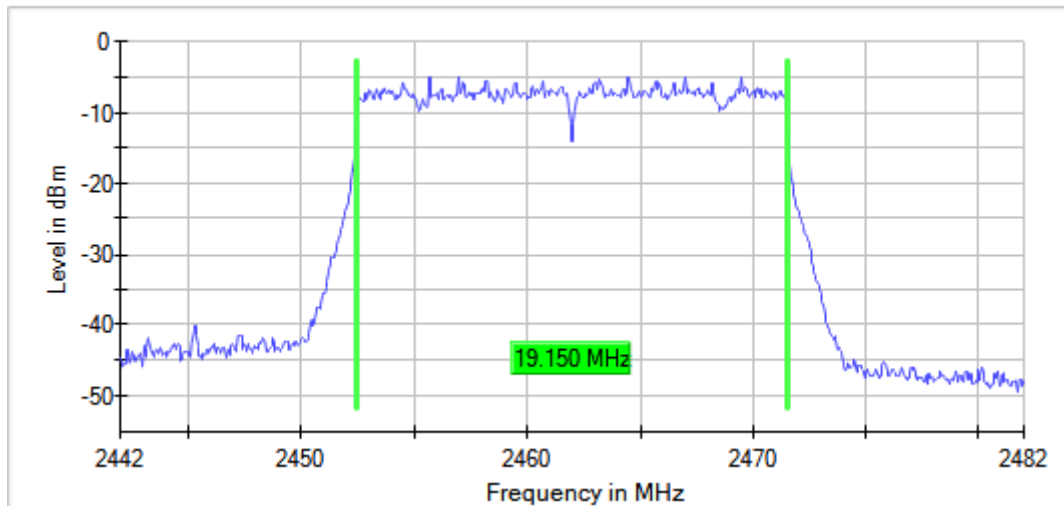
Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU

Resource Unit Tone/Index = 242/61

Images:

6 dB Bandwidth



Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

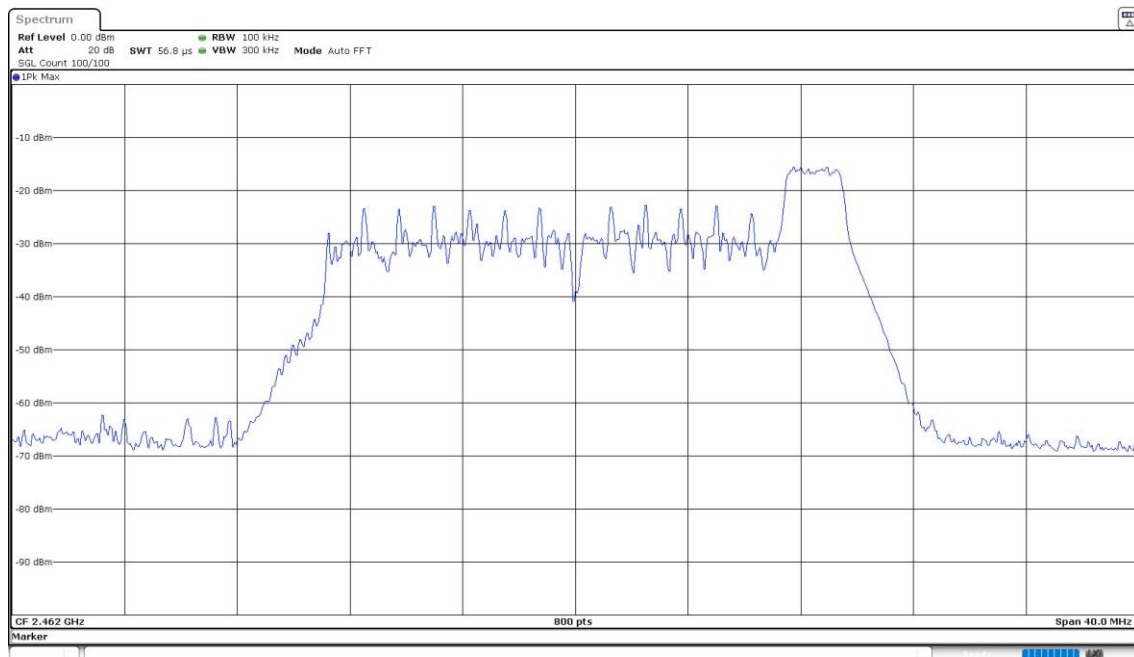
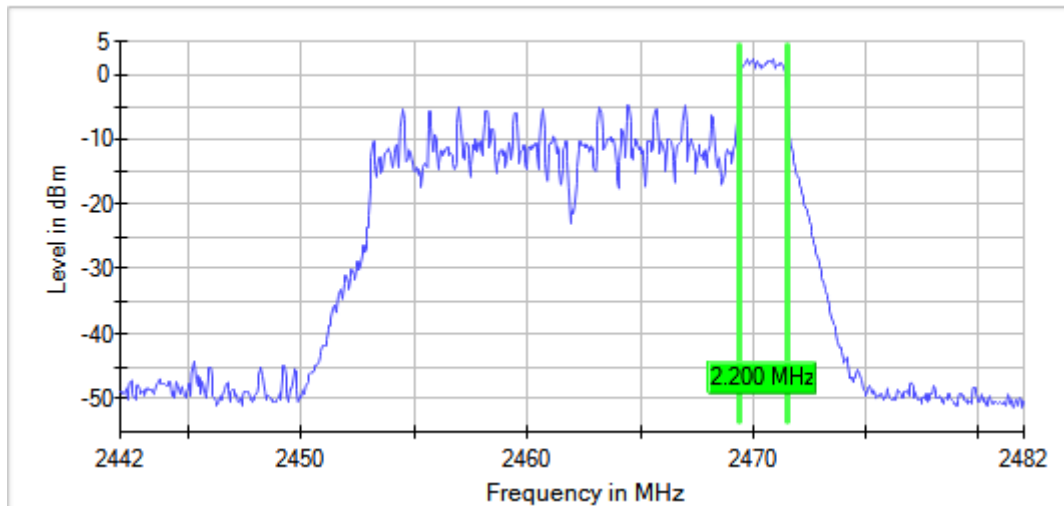
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Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU

Resource Unit Tone/Index = 26/3

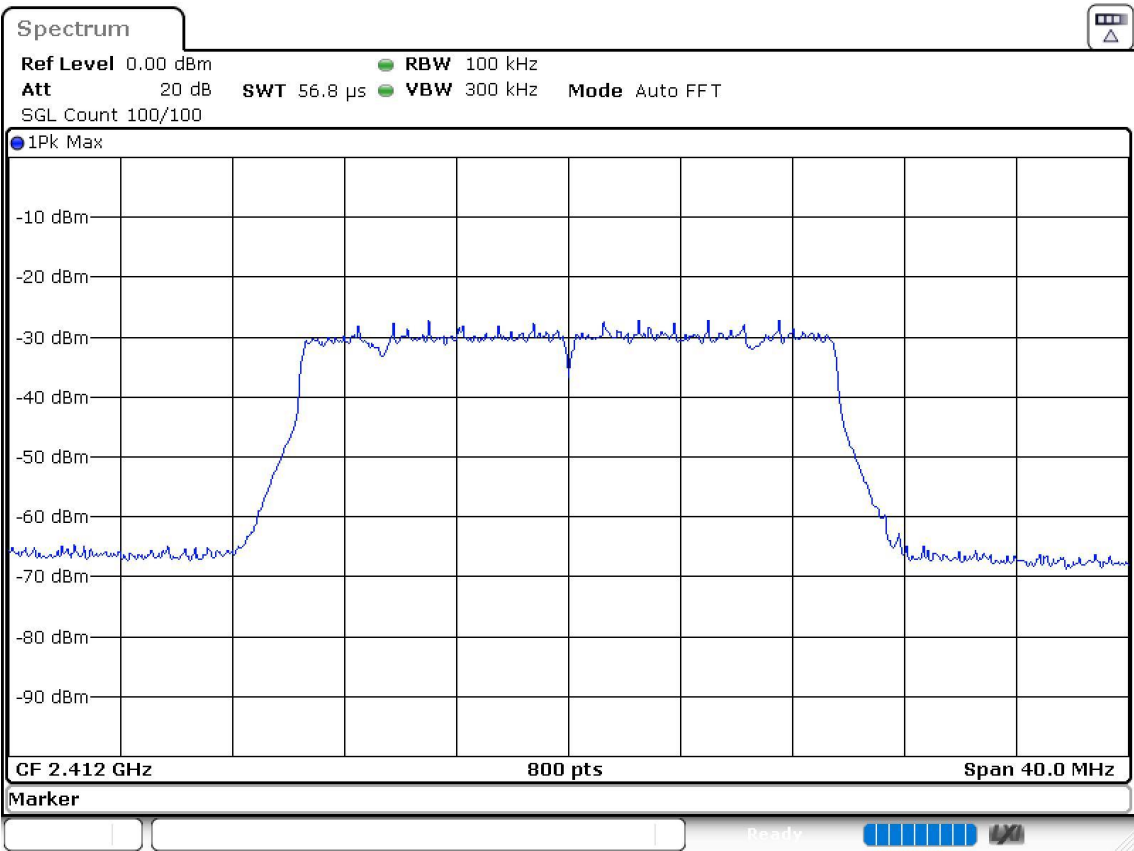
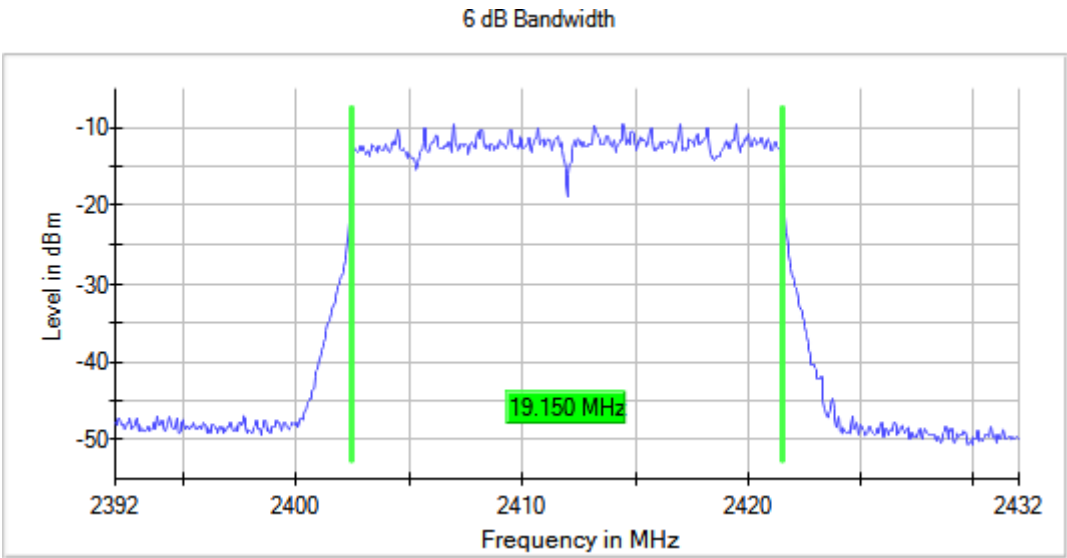
Images:

6 dB Bandwidth



Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:



Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

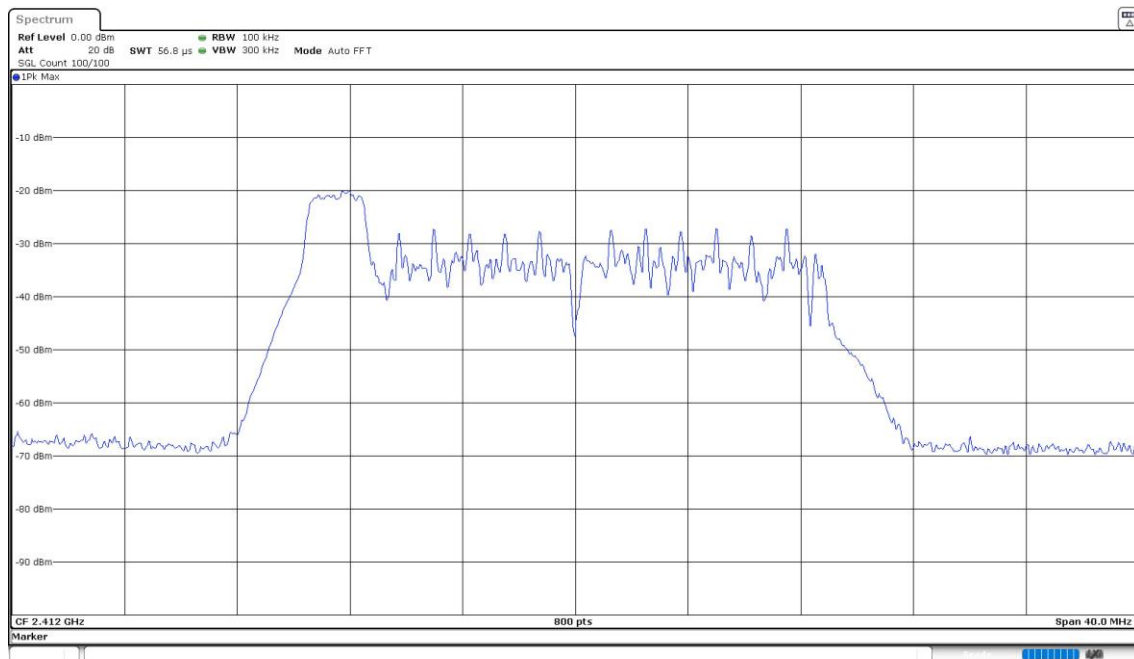
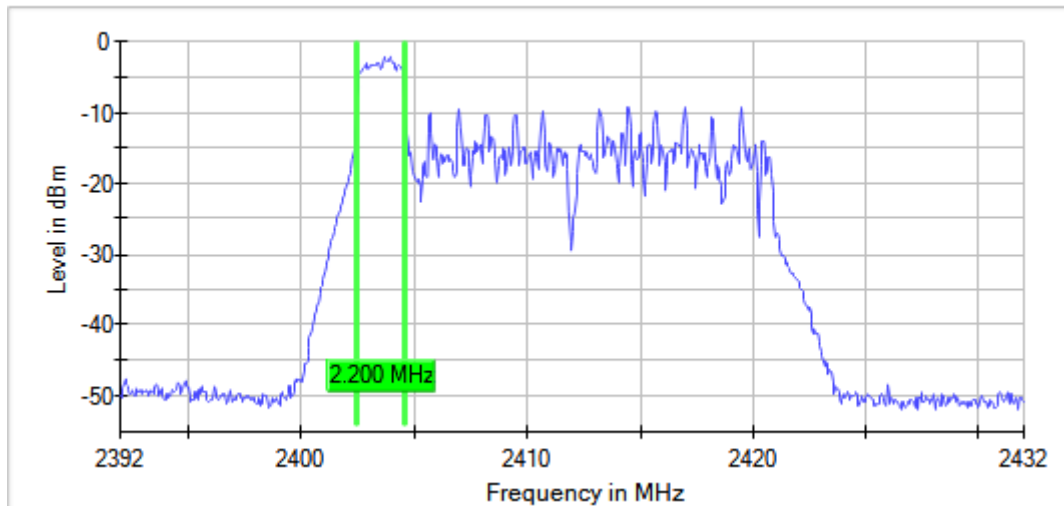
Active Port = 3+4

Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU

Resource Unit Tone/Index = 26/0

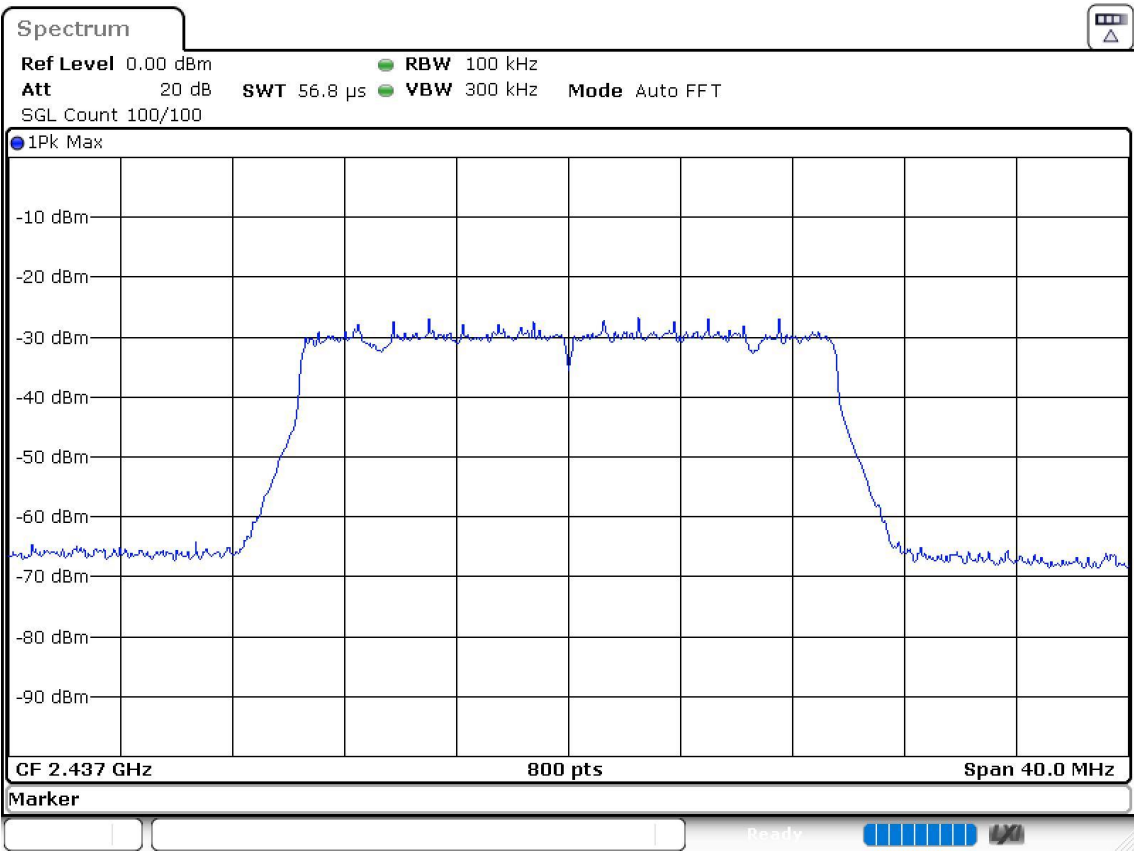
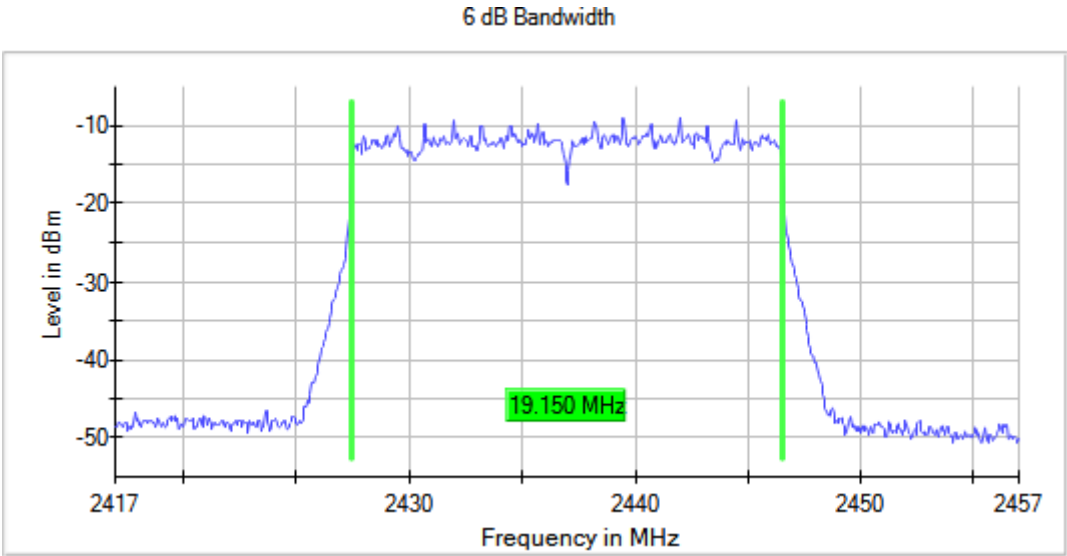
Images:

6 dB Bandwidth



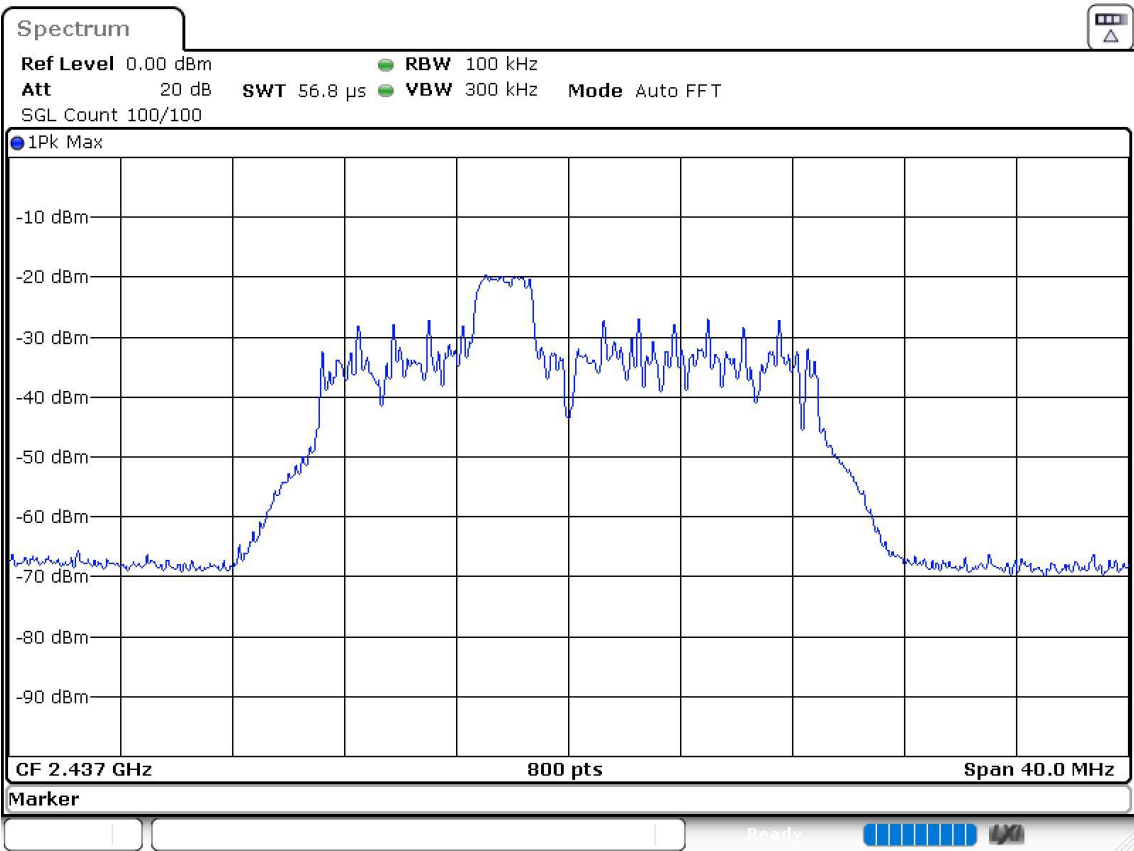
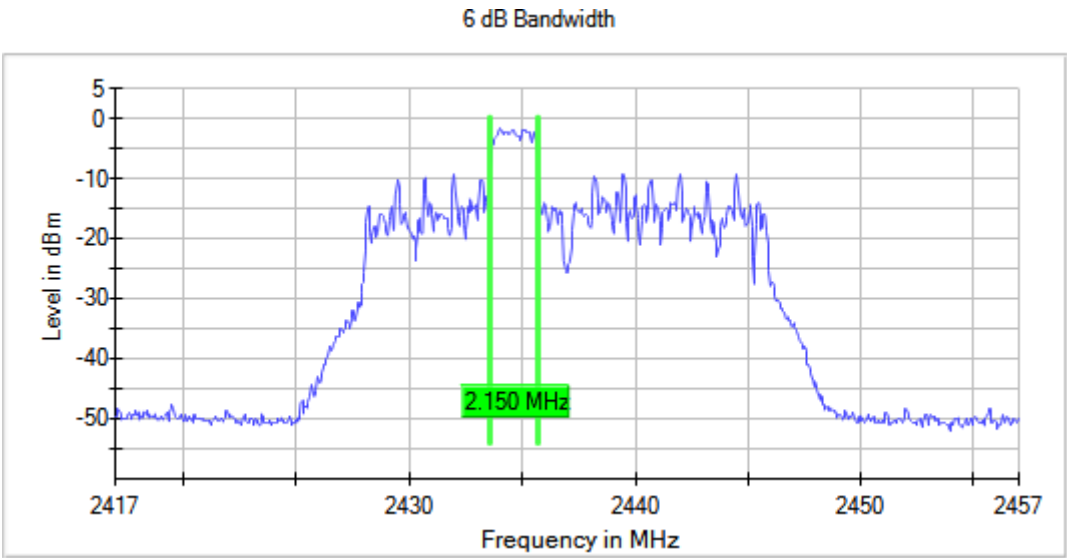
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2437.00000 Active Port = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:



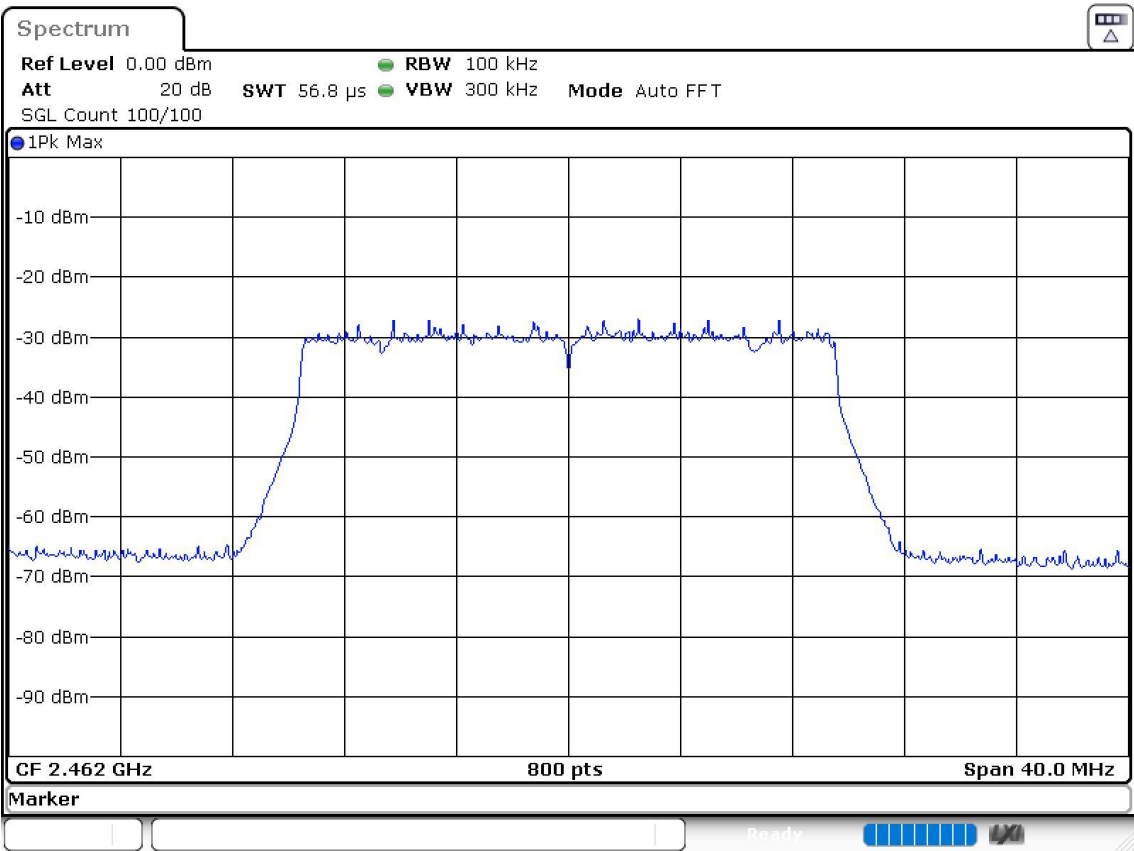
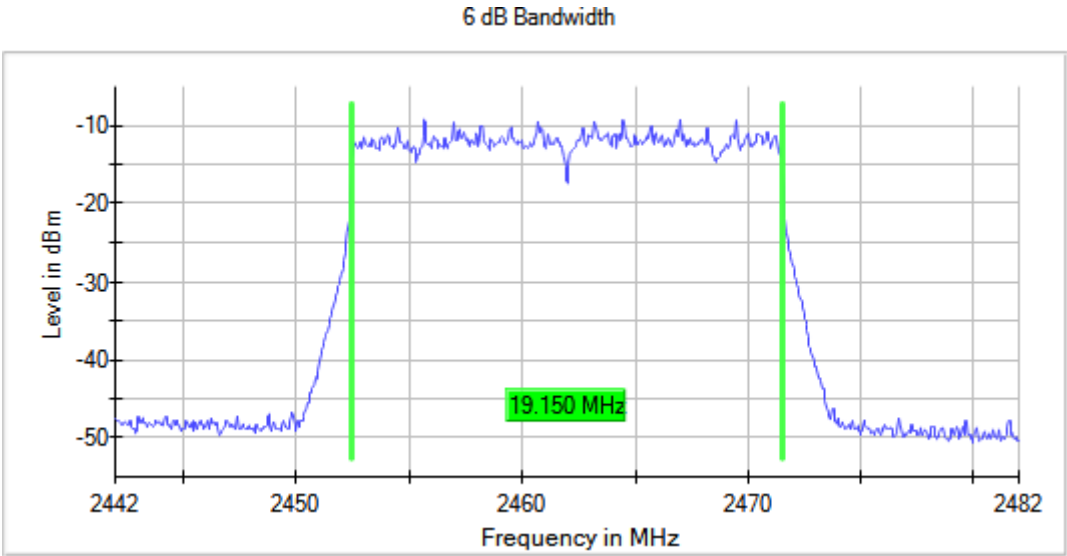
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2437.00000 Active Port = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU
Resource Unit Tone/Index = 26/3

Images:



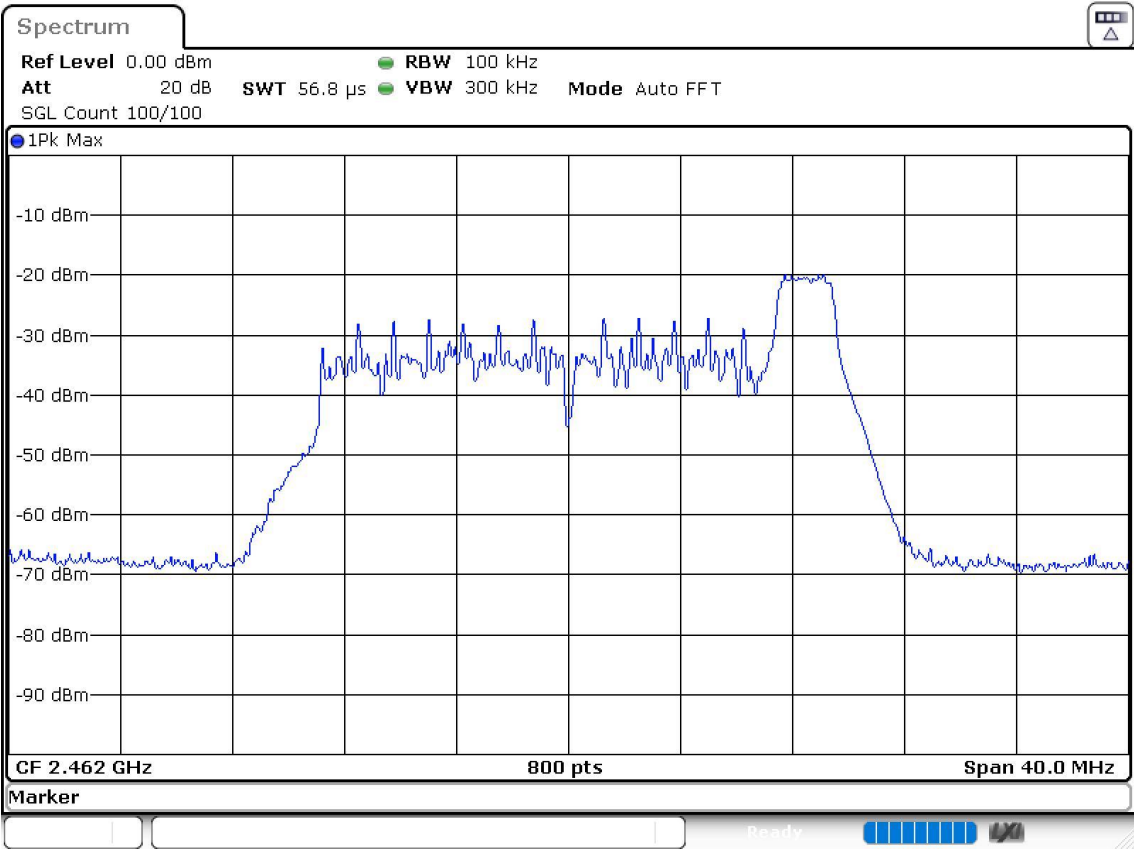
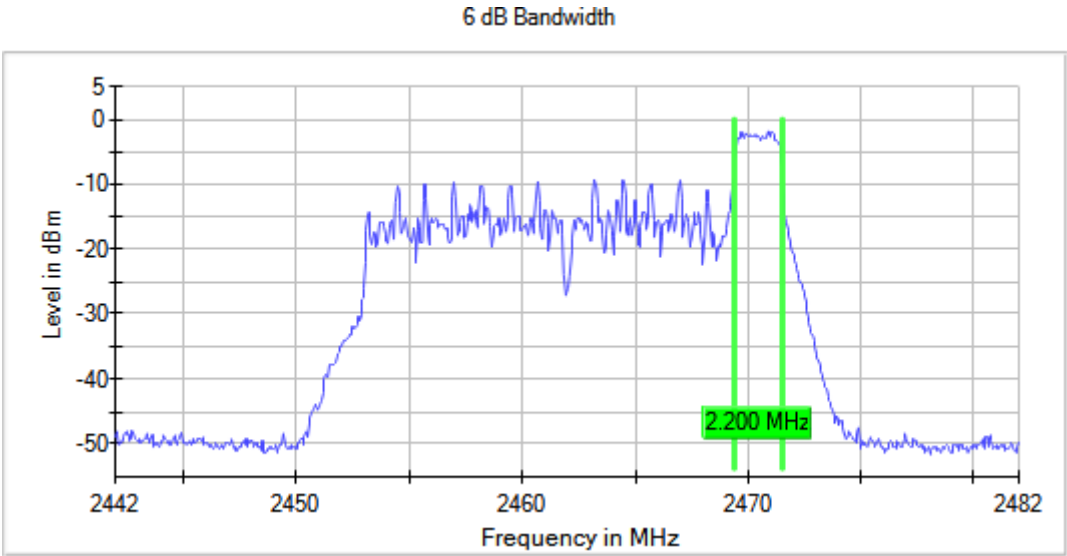
Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2462.00000 Active Port = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:



Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2462.00000 Active Port = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU
Resource Unit Tone/Index = 26/8

Images:



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 signaling 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 DTSSs 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: 802.11b (DSSS 1 Mbit/s)

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	3	7.99	8,308
		2437.00000		8.48	8,798
		2462.00000		8.33	8,648

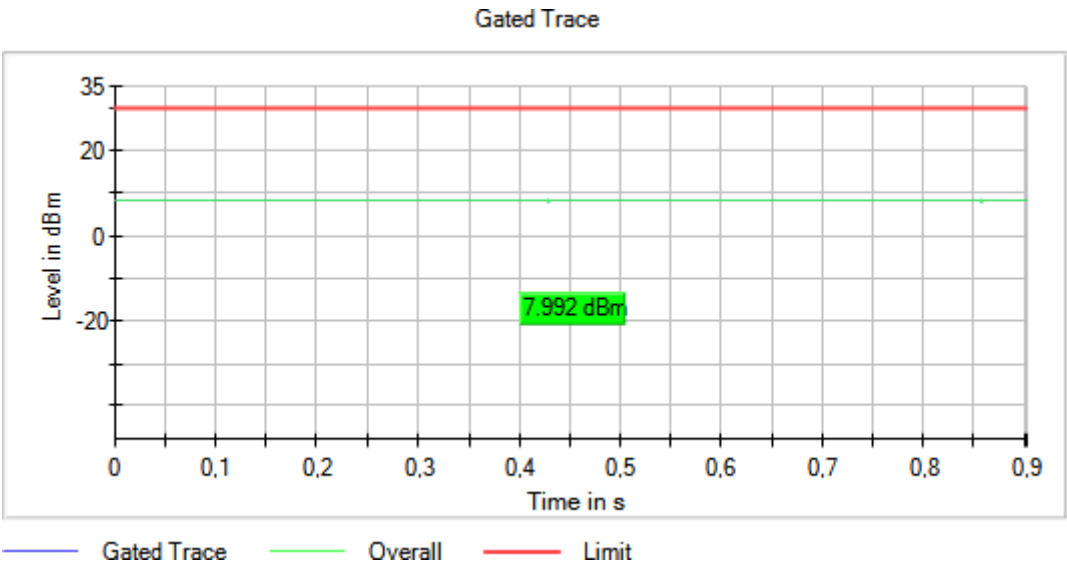
Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3
Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



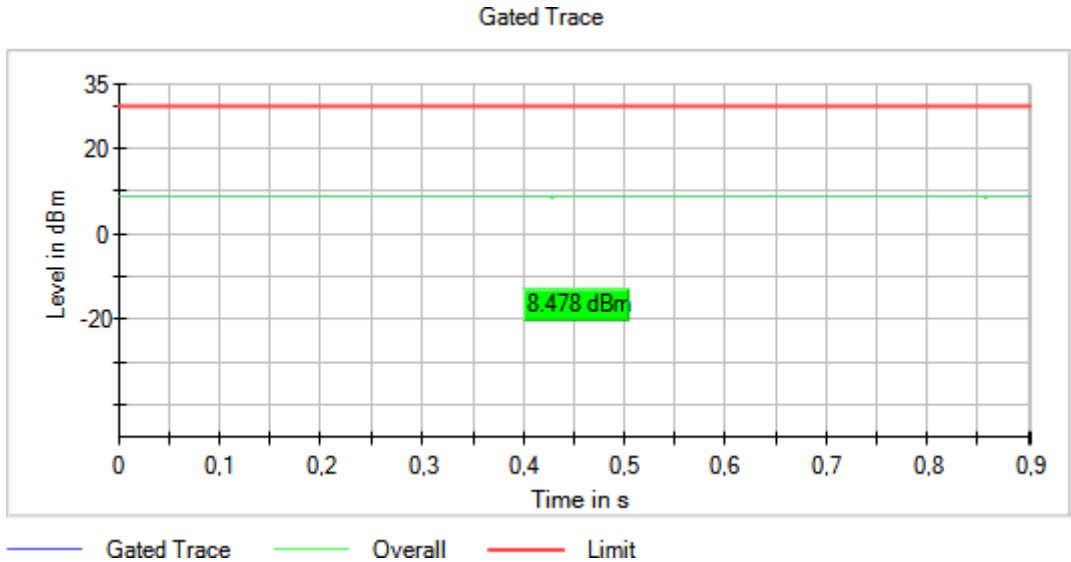
Tables:

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 = 3
Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



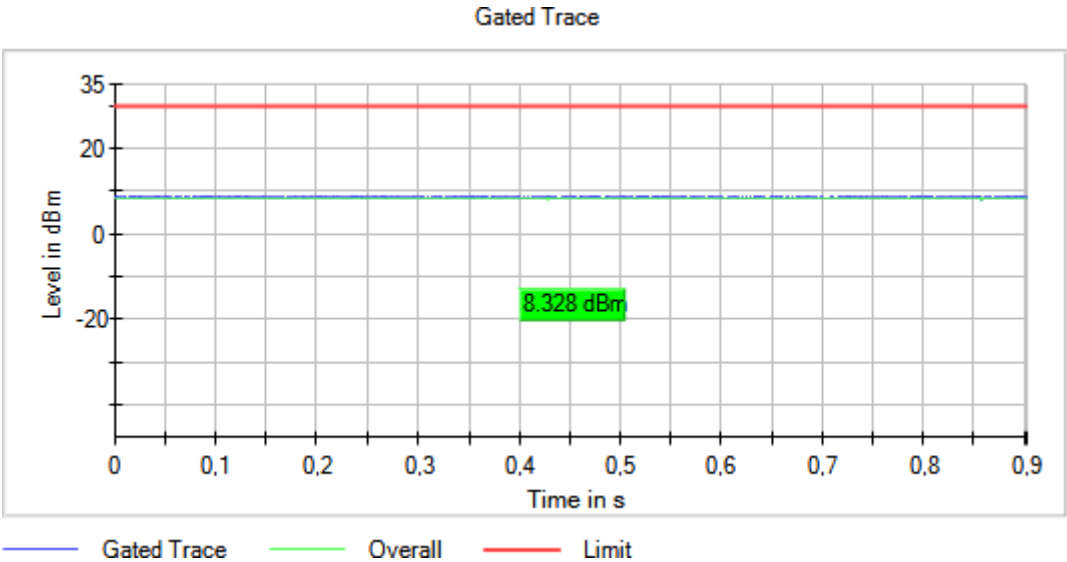
Tables:

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 = 2462.00000 Active Port = 3
Modulation = 802.11b (DSSS 1 Mbit/s)

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: 802.11g (OFDM 6 Mbit/s)

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	3	8.20	8,51
		2437.00000		8.54	8,85
		2462.00000		8.21	8,52

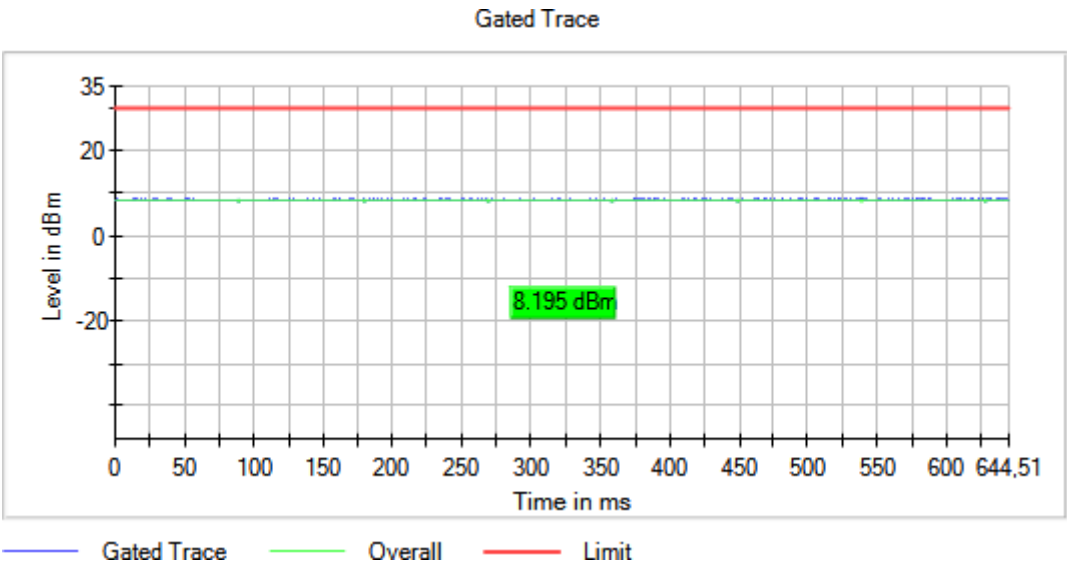
Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3
Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



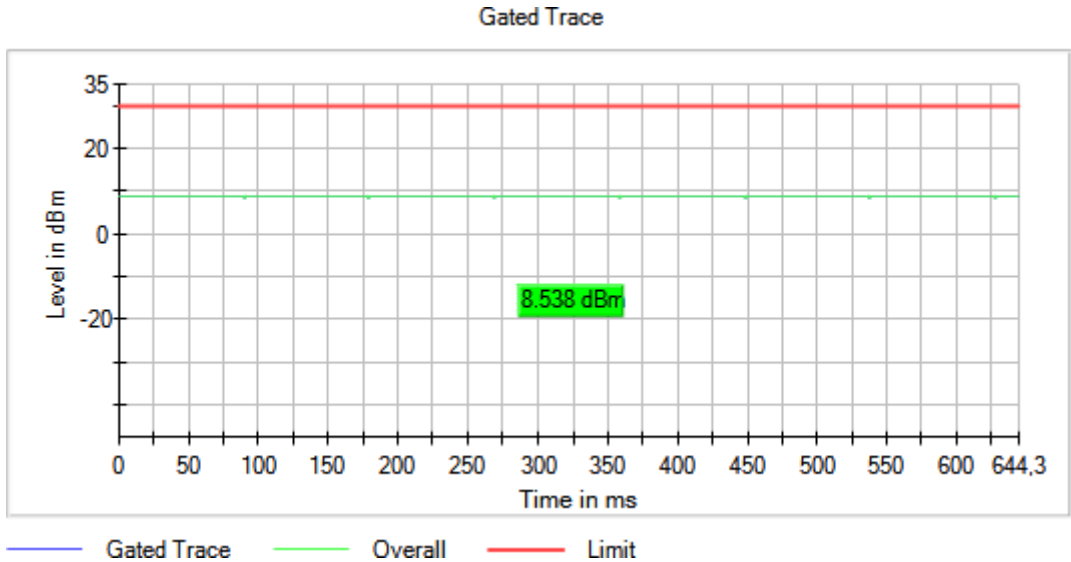
Tables:

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 = 3
Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



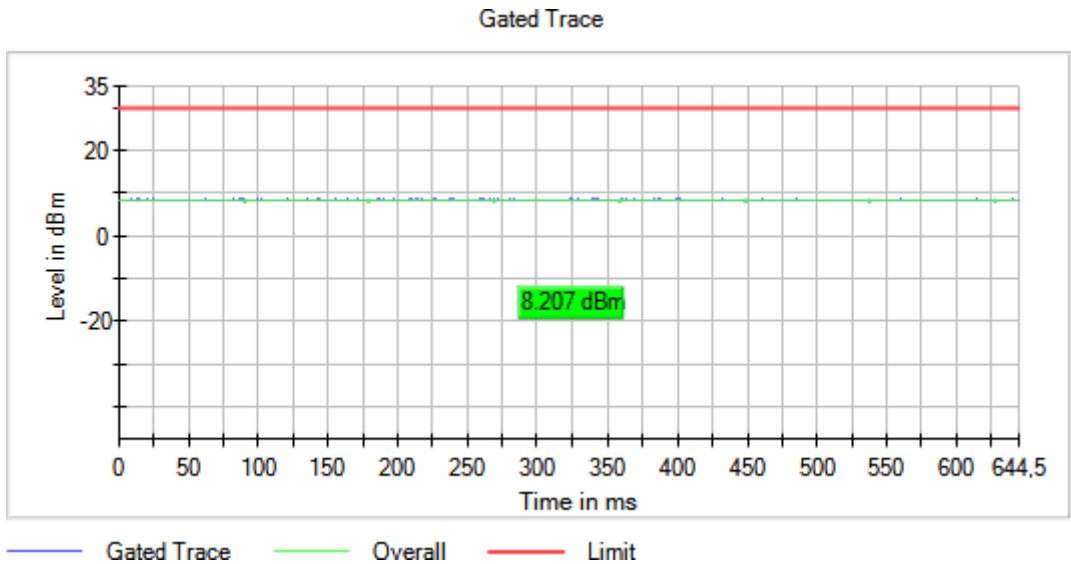
Tables:

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 = 3
Modulation = 802.11g (OFDM 6 Mbit/s)

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: 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	RU (Tone/Index)	Avg Power (dBm)	E.I.R.P. (dBm)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	3	-	8.15	8,46
		2437.00000			8.28	8,59
		2462.00000			8.46	8,77
		2412.00000	3+4	-	8.79	9,10
		2437.00000			9.13	9,44
		2462.00000			9.26	9,57

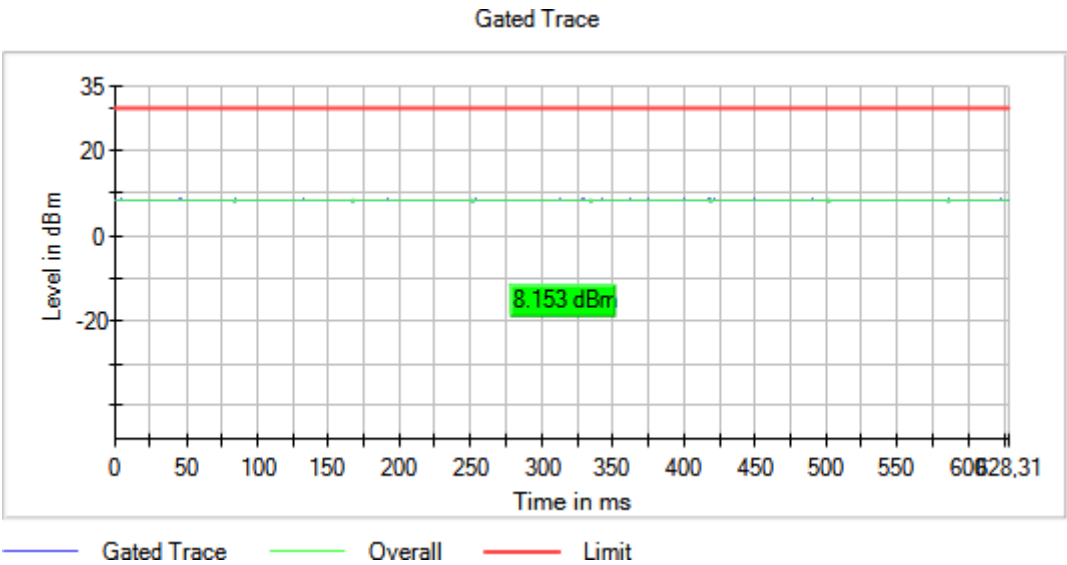
Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index = -

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)

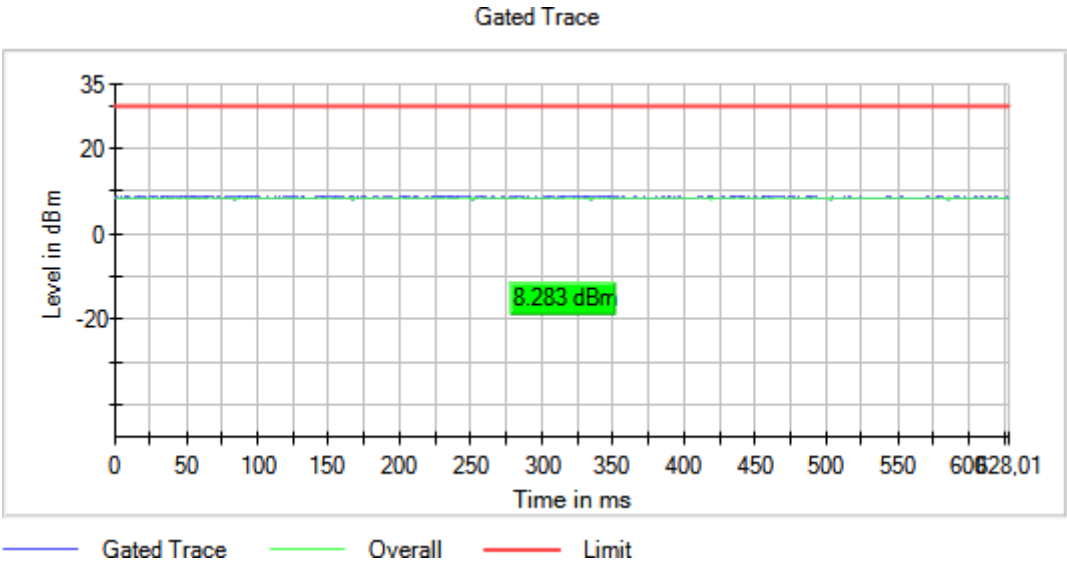
Frequency MHz = 2437.00000

Active Port = 3

Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Resource Unit Tone/Index = -

Images:



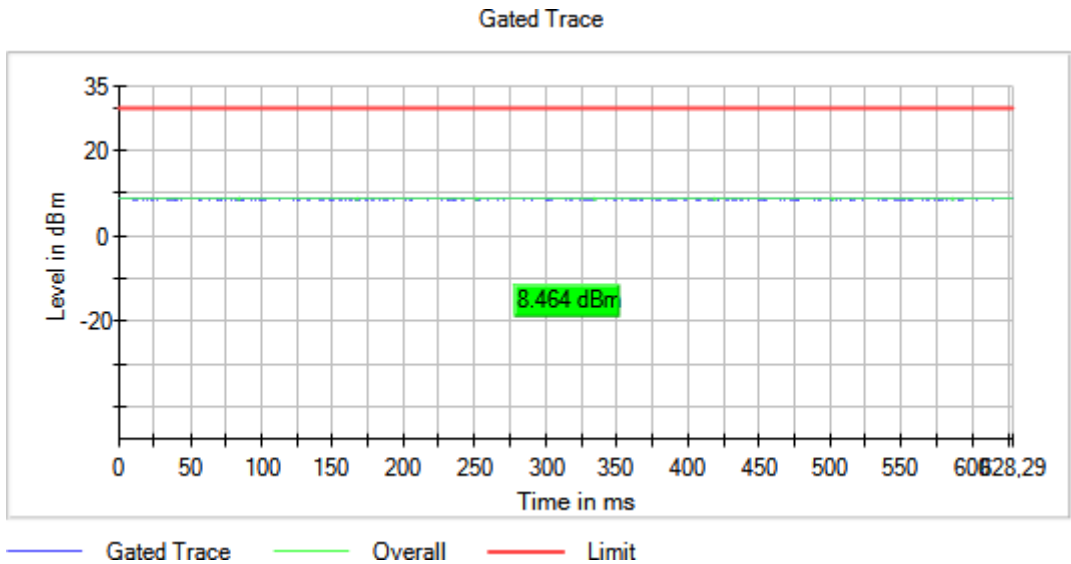
Tables:

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 = 3
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index = -

Images:



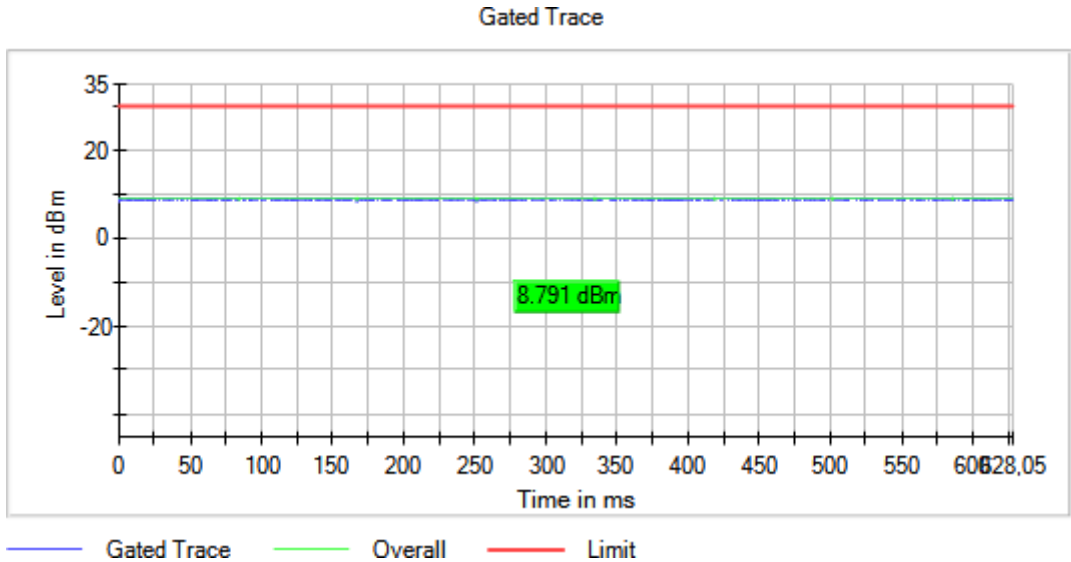
Tables:

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 = 3+4
Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Resource Unit Tone/Index = -

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)

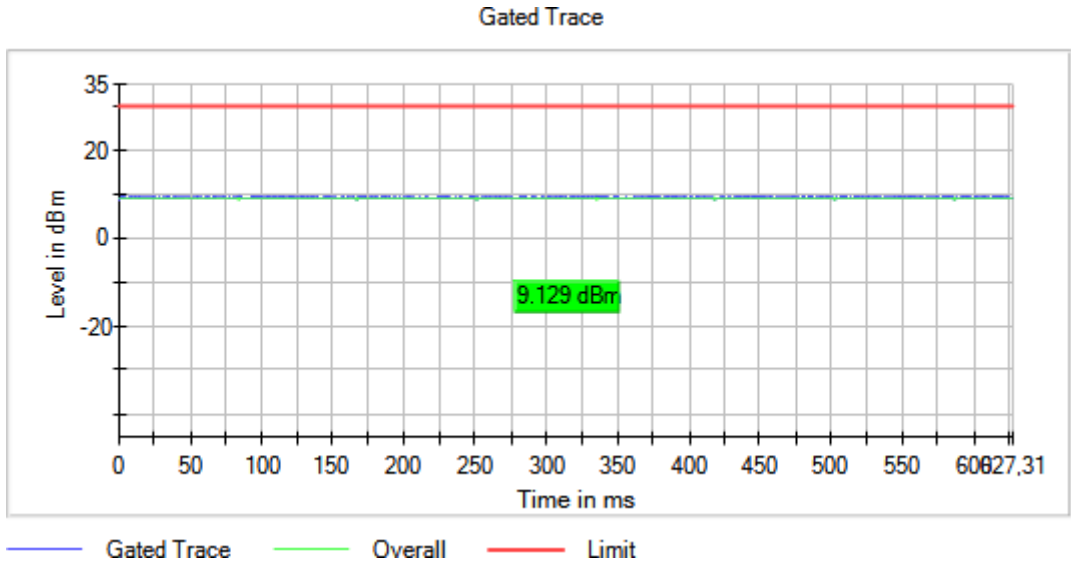
Frequency MHz = 2437.00000

Active Port = 3+4

Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Resource Unit Tone/Index = -

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)

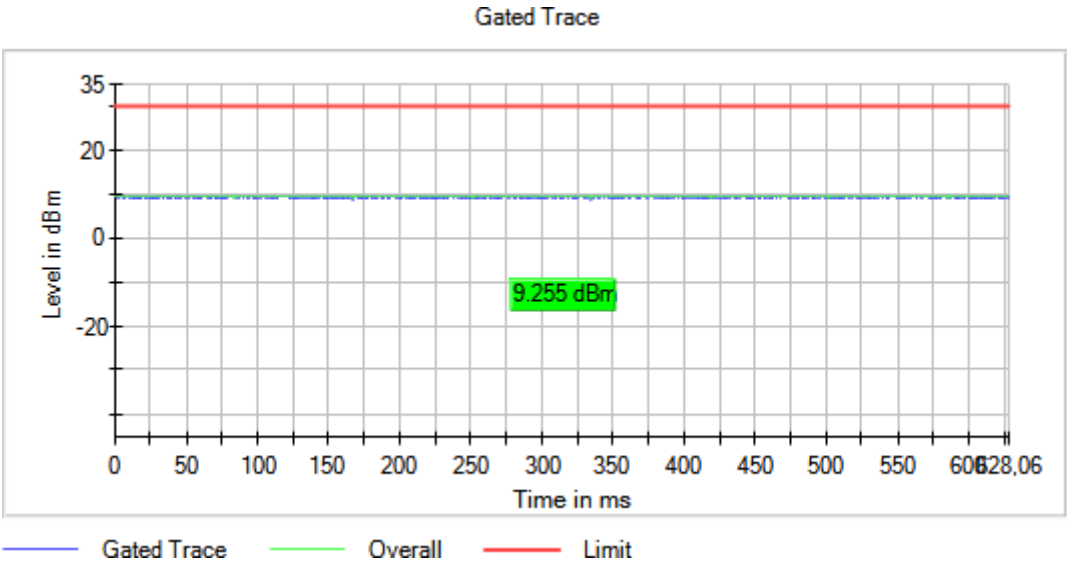
Frequency MHz = 2462.00000

Active Port = 3+4

Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Resource Unit Tone/Index = -

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 HE20 (OFDMA MCS0)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	RU (Tone/Index)	Avg Power (dBm)	E.I.R.P. (dBm)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	3	SU	242/61	8.46	8,77
				RU	26/0	7.82	8,13
		2437.00000		SU	242/61	8.63	8,94
				RU	26/3	8.37	8,68
		2462.00000		SU	242/61	8.71	9,02
				RU	26/8	8.40	8,71
		2412.00000	3+4	SU	242/61	8.10	8,41
				RU	26/0	7.50	7,81
		2437.00000		SU	242/61	8.40	8,71
				RU	26/3	7.81	8,12
		2462.00000		SU	242/61	8.48	8,79
				RU	26/8	8.14	8,45

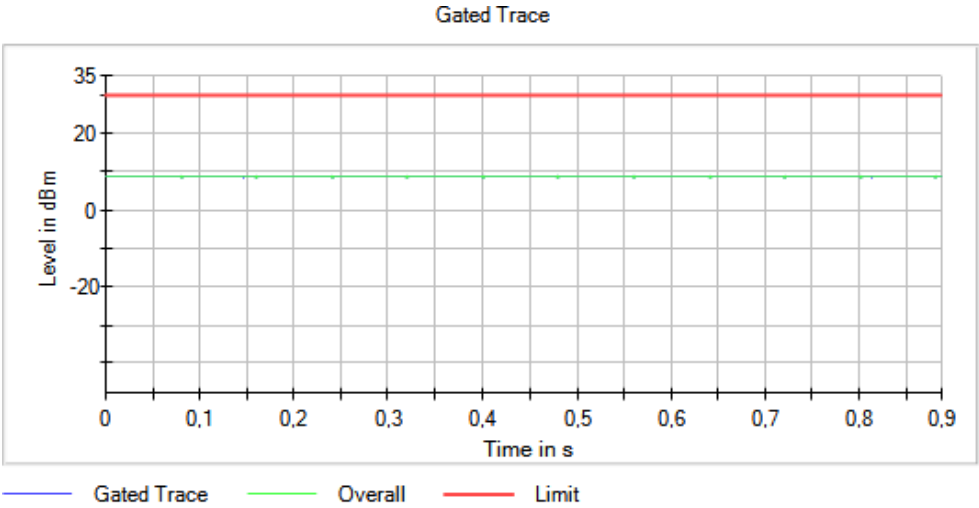
Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:



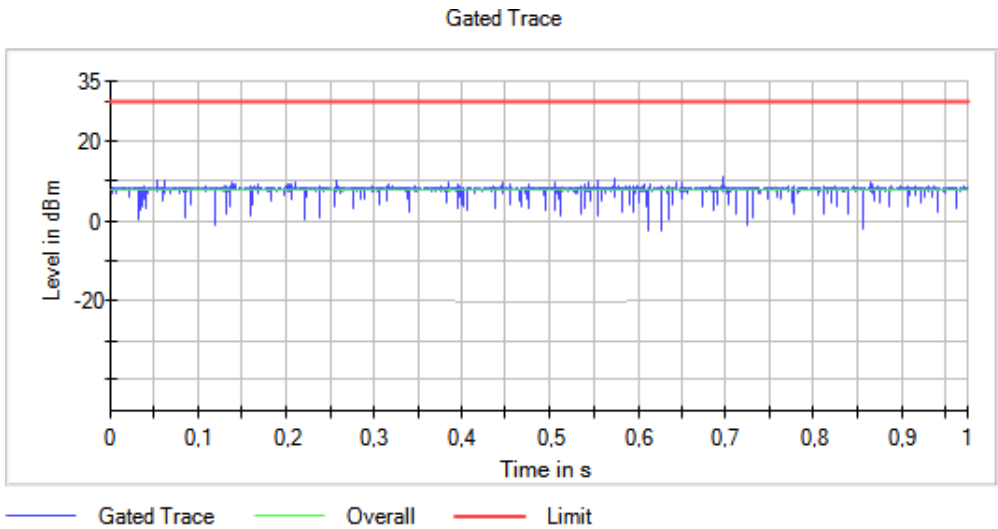
Tables:

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 = 3
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU
Resource Unit Tone/Index = 26/0

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

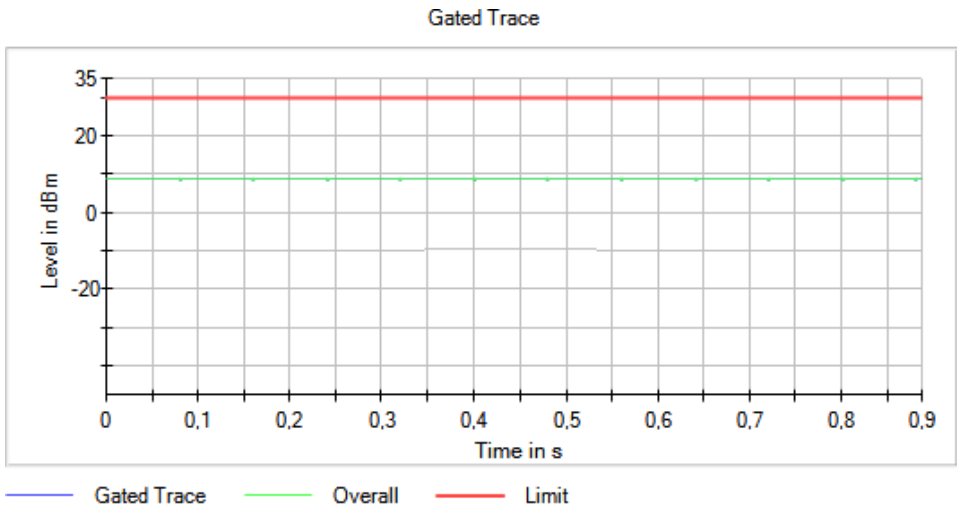
Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Resource Unit Tone/Index = 242/61

Images:

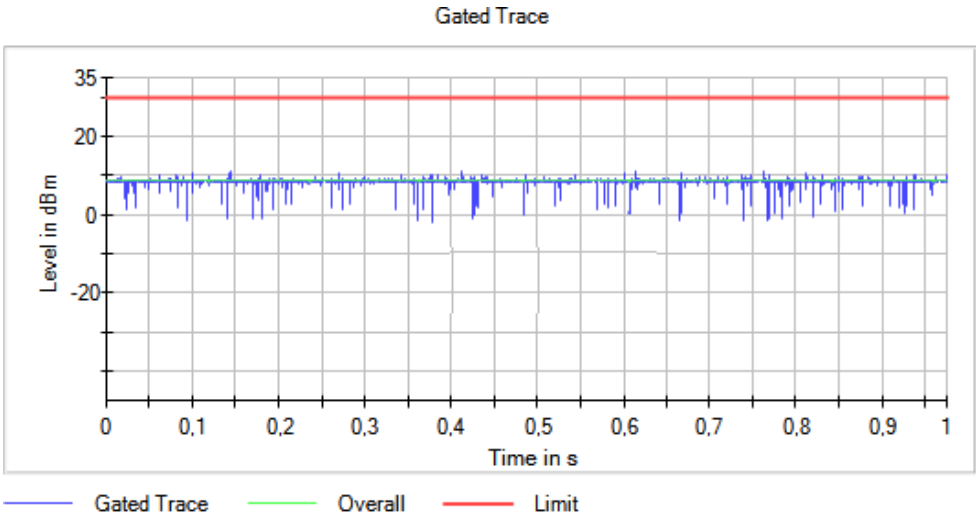


Tables:
Spectrum Analyzer Parameters

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 = 3
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU
Resource Unit Tone/Index = 26/3

Images:



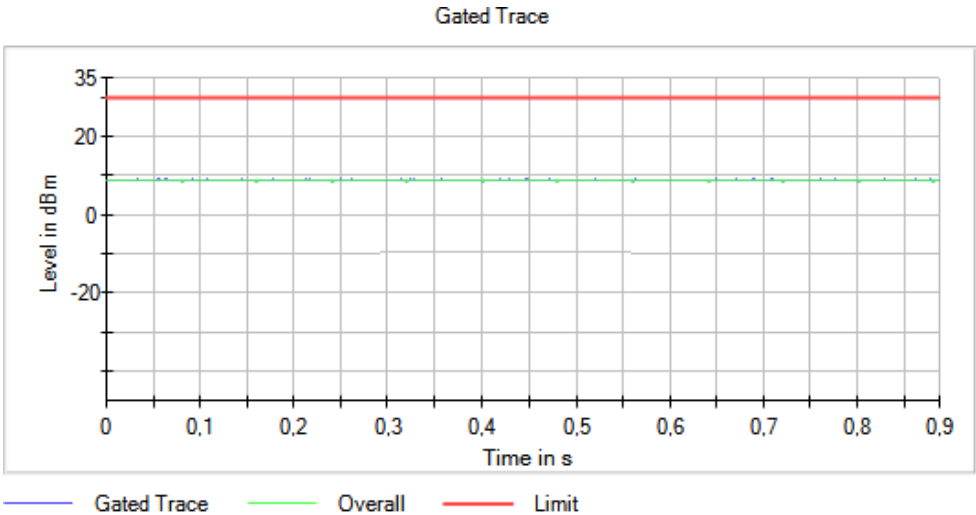
Tables:

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 = 3
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:



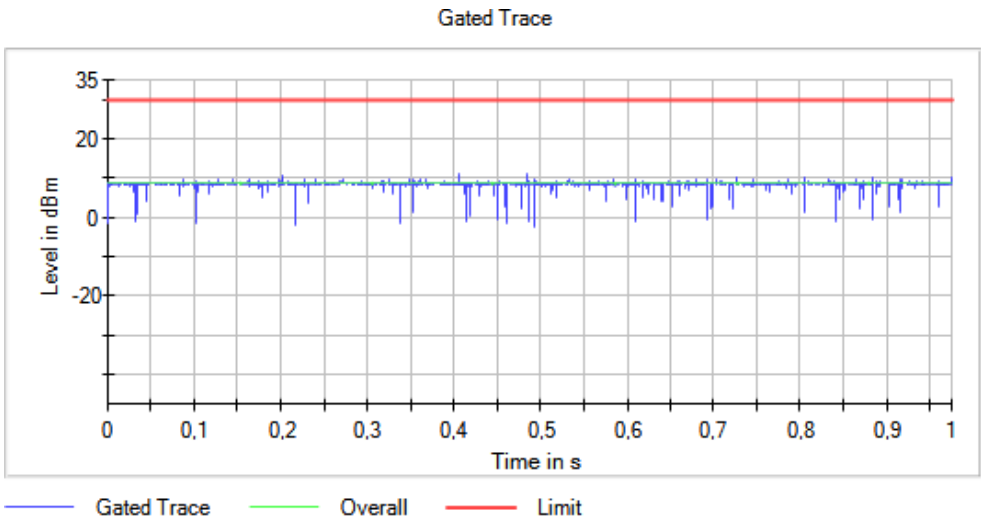
Tables:

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 = 3
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU
Resource Unit Tone/Index = 26/8

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

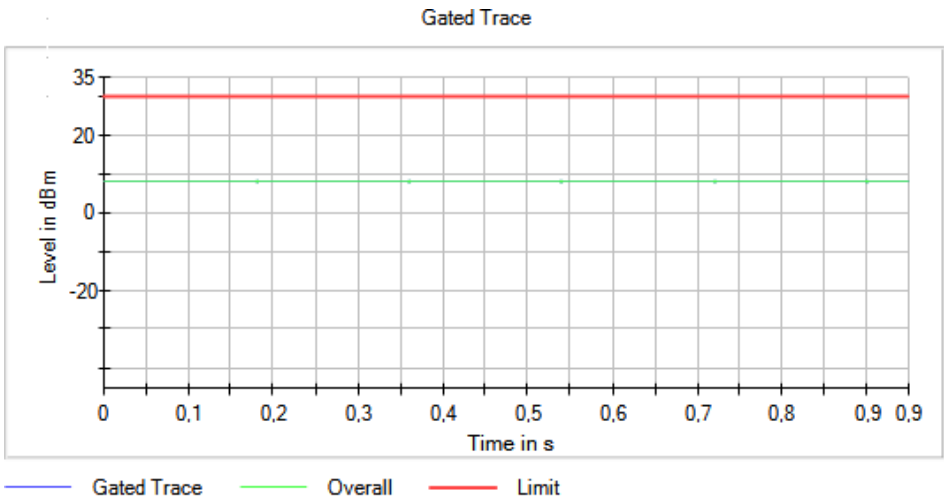
Active Port = 3+4

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Resource Unit Tone/Index = 242/61

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

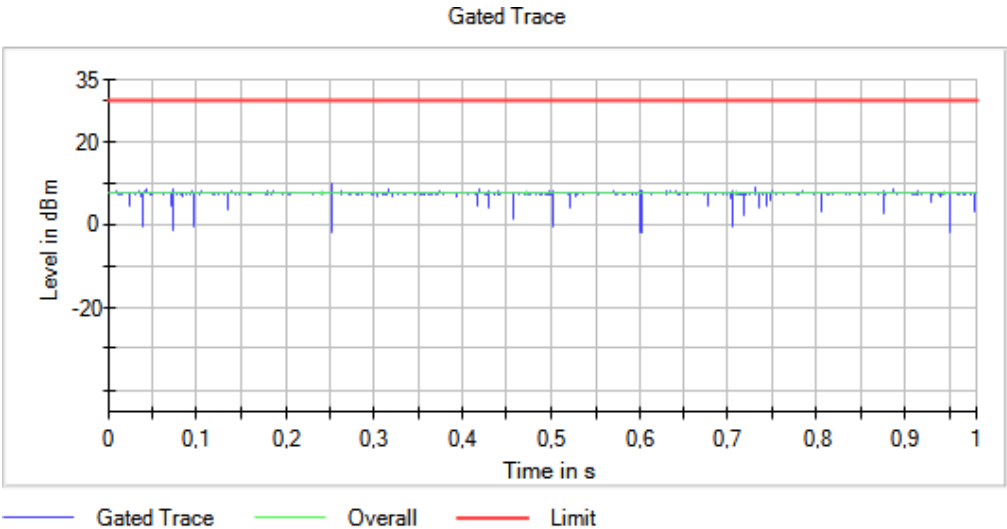
Active Port = 3+4

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = RU

Resource Unit Tone/Index = 26/0

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

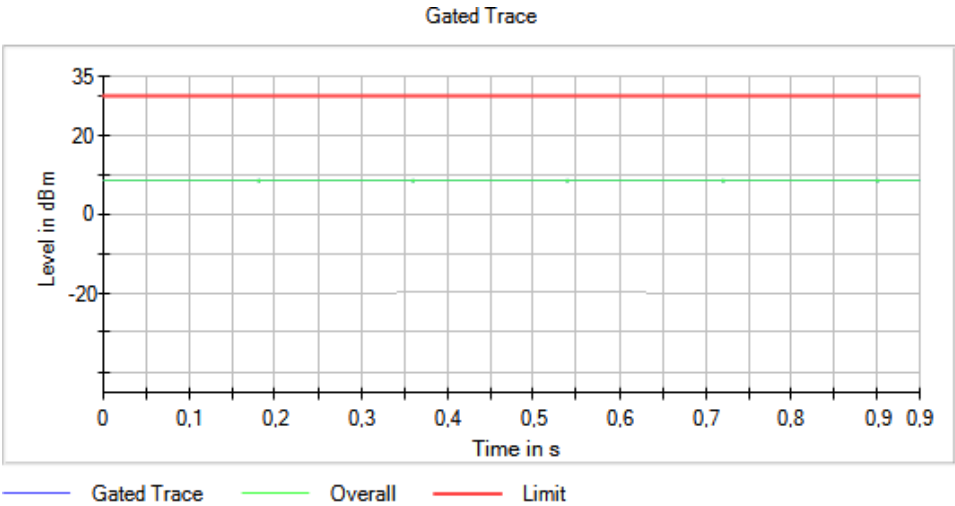
Active Port = 3+4

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Resource Unit Tone/Index = 242/61

Images:



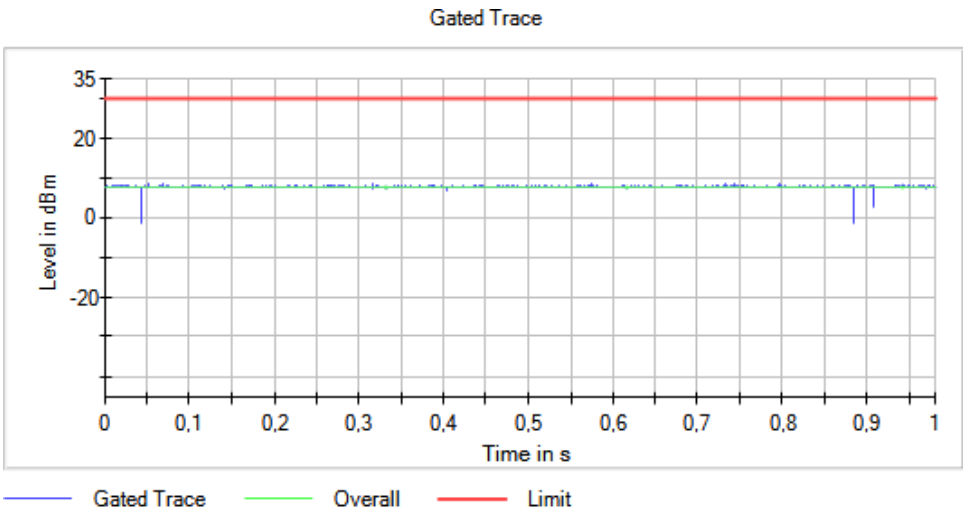
Tables:

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 = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU
Resource Unit Tone/Index = 26/3

Images:

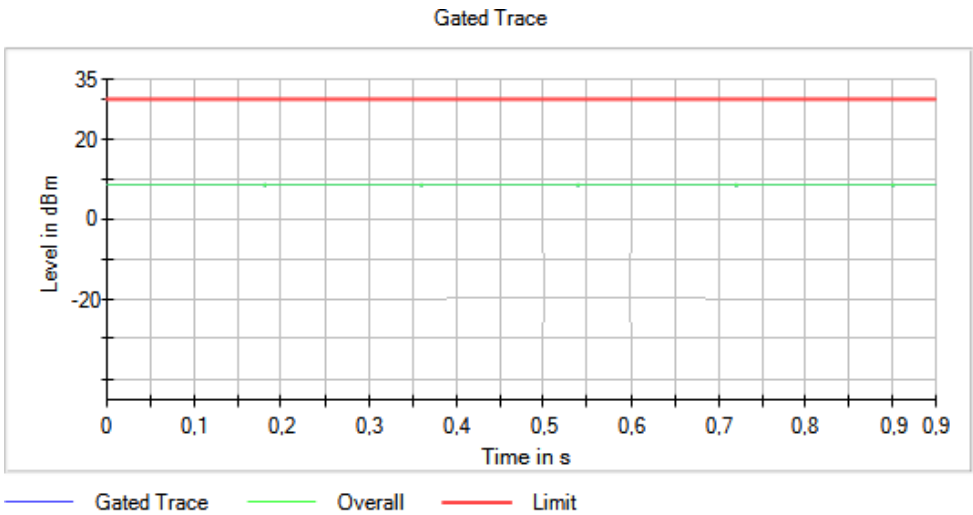


Tables:
Spectrum Analyzer Parameters

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 = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:

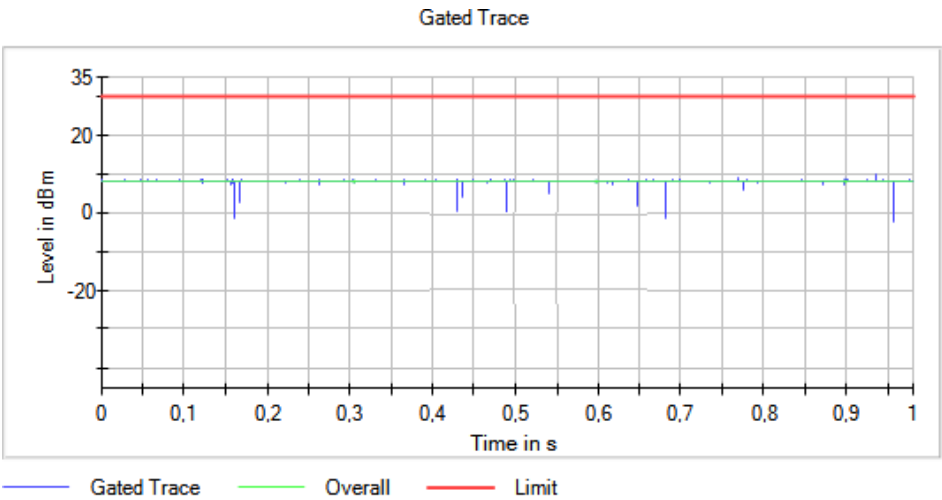


Tables:
Spectrum Analyzer Parameters

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 = 3+4
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU
Resource Unit Tone/Index = 26/8

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: 802.11b (DSSS 1 Mbit/s)

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	3		2399.475000	-46.5
					2398.275000	-46.7
					2398.225000	-46.8
					2399.425000	-46.8
					2397.675000	-47.0
					2397.625000	-47.1
					2399.525000	-47.1
					2398.475000	-47.2
					2398.425000	-47.2
					2399.575000	-47.5
					2399.025000	-47.6
					2396.975000	-47.6
					2397.025000	-47.6
					2398.375000	-47.7
					2397.575000	-47.8
		2462.00000			2485.525000	-48.3
					2484.925000	-48.7
					2484.025000	-48.8
					2485.125000	-48.8
					2485.175000	-48.8
					2483.975000	-48.8
					2485.575000	-48.8
					2484.975000	-48.8
					2483.725000	-48.9
					2484.425000	-48.9
					2483.675000	-48.9

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)
					2483.525000	-49.0
					2484.375000	-49.0
					2485.225000	-49.1
					2486.475000	-49.1

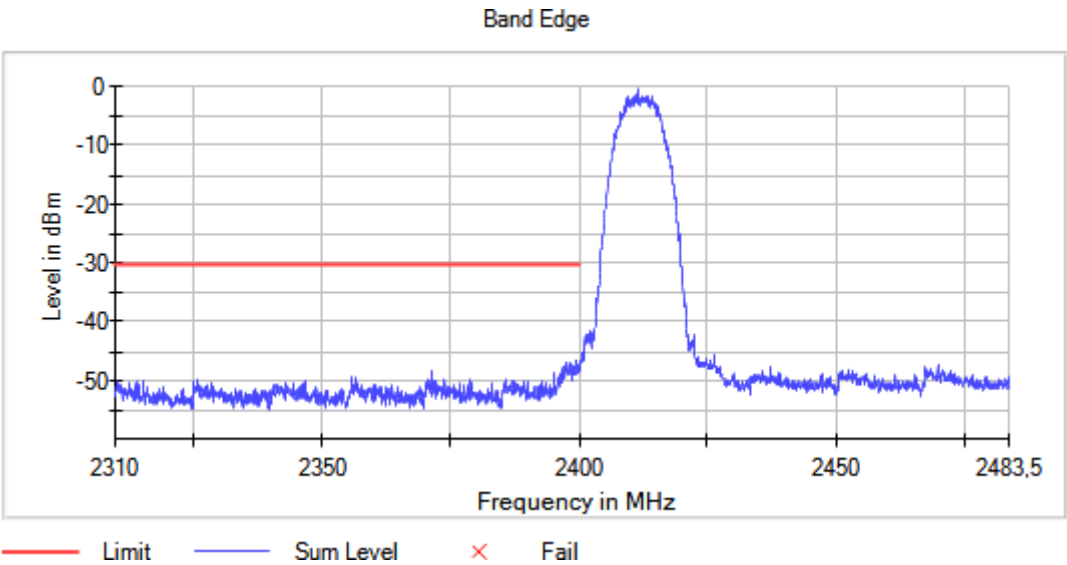
Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3
Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters 1

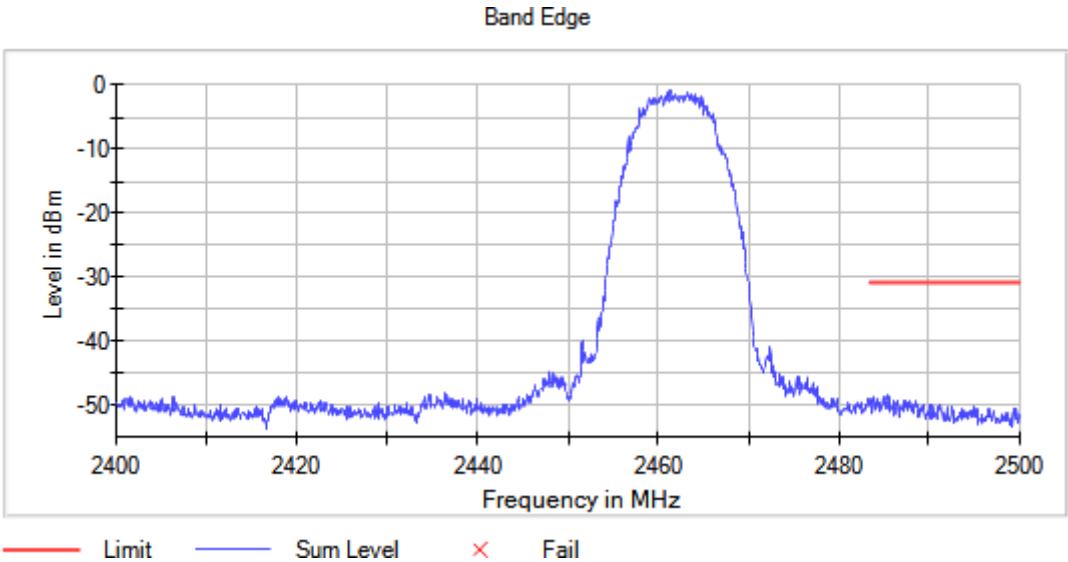
Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	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	4 / 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	46 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.49 dB	0.50 dB

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2462.00000 Active Port = 3
Modulation = 802.11b (DSSS 1 Mbit/s)

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	113.672 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	4 / 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	46 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.49 dB	0.50 dB

Modulation: 802.11g (OFDM 6 Mbit/s)

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	3		2399.825000	-44.9
					2399.875000	-45.0
					2399.775000	-45.4
					2399.725000	-45.8
					2399.925000	-46.8
					2399.675000	-47.0
					2398.225000	-47.1
					2394.475000	-47.1
					2397.825000	-47.2
					2398.875000	-47.2
					2396.075000	-47.2
					2397.775000	-47.4
					2397.075000	-47.4
					2396.175000	-47.4
					2398.275000	-47.4
		2462.00000			2486.175000	-46.8
					2486.225000	-47.3
					2485.425000	-47.8
					2486.125000	-47.9
					2485.375000	-47.9
					2483.725000	-48.0
					2483.775000	-48.4
					2487.275000	-48.6
					2487.325000	-48.7
					2483.675000	-49.1
					2484.875000	-49.2
					2487.125000	-49.2
					2487.175000	-49.2
					2489.425000	-49.2
					2489.375000	-49.3

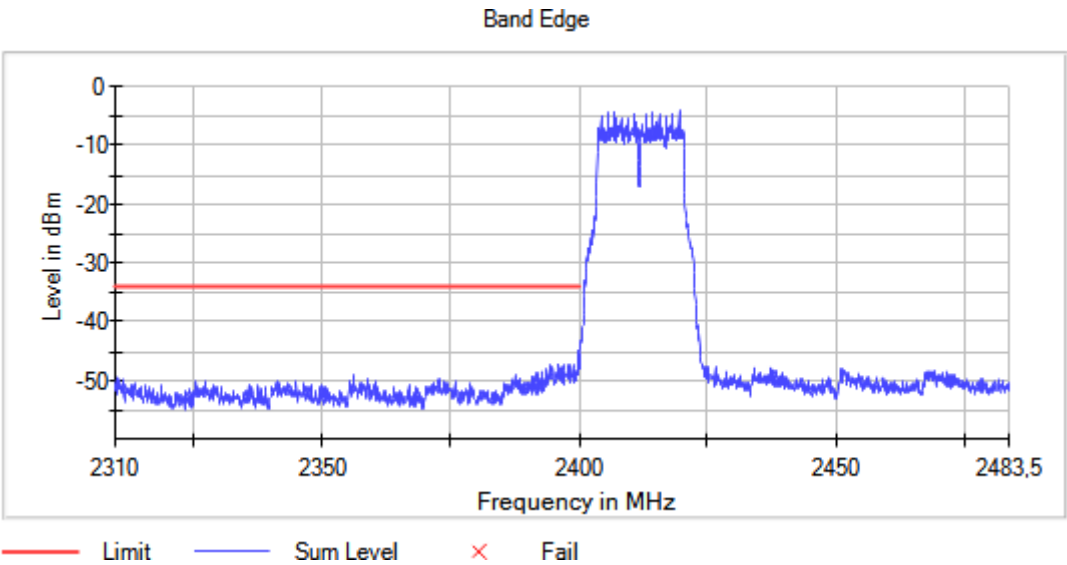
Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3
Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters 1

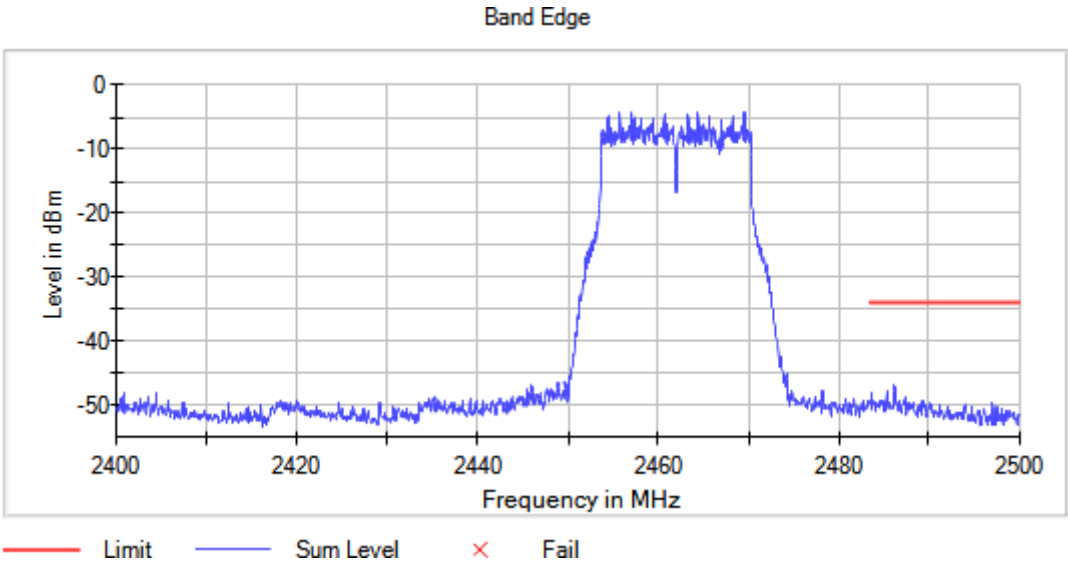
Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	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	4 / 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	17 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.29 dB	0.50 dB

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2462.00000 Active Port = 3
Modulation = 802.11g (OFDM 6 Mbit/s)

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	113.672 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	4 / 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	17 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.29 dB	0.50 dB

Modulation: 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	RU (Tone/Index)	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)	
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	3			2399.975000	-46.1	
						2397.625000	-46.2	
						2397.675000	-46.4	
						2397.575000	-46.7	
						2399.925000	-46.8	
						2396.975000	-46.8	
						2399.625000	-47.1	
						2399.775000	-47.2	
						2396.925000	-47.2	
						2399.675000	-47.2	
						2399.875000	-47.3	
						2399.825000	-47.3	
						2399.475000	-47.6	
						2397.975000	-47.8	
						2397.025000	-47.9	
					2462.00000		2483.825000	-47.7
							2483.775000	-48.4
							2483.875000	-48.4
						2483.525000	-48.5	
						2485.425000	-48.6	
						2485.475000	-48.6	
						2485.525000	-48.8	
						2485.375000	-48.8	
						2487.675000	-48.8	
						2483.625000	-48.9	
						2498.375000	-49.0	
						2487.375000	-49.0	
						2487.425000	-49.0	
						2484.775000	-49.0	
						2487.725000	-49.1	
		2412.00000	3+4	-			2396.975000	-45.8
							2396.925000	-46.1
							2397.025000	-46.3
						2398.275000	-46.4	
						2399.975000	-46.5	
						2399.525000	-46.5	

Operation Band (MHz)	Equipment	Freq (MHz)	Port	RU (Tone/Index)	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)
						2399.475000	-46.6
						2399.825000	-46.7
						2399.875000	-46.8
						2399.775000	-46.8
						2397.925000	-46.8
						2398.225000	-46.9
						2399.725000	-46.9
						2399.425000	-47.0
						2398.325000	-47.1
					2462.00000		2485.525000
						2488.975000	-46.4
						2489.275000	-46.5
						2485.475000	-46.5
						2484.525000	-46.6
						2484.575000	-46.6
						2483.725000	-46.6
						2483.675000	-46.7
						2485.575000	-46.7
						2484.375000	-46.9
						2489.025000	-46.9
						2485.975000	-46.9
						2487.975000	-46.9
						2489.475000	-47.0
					2489.225000	-47.0	

Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

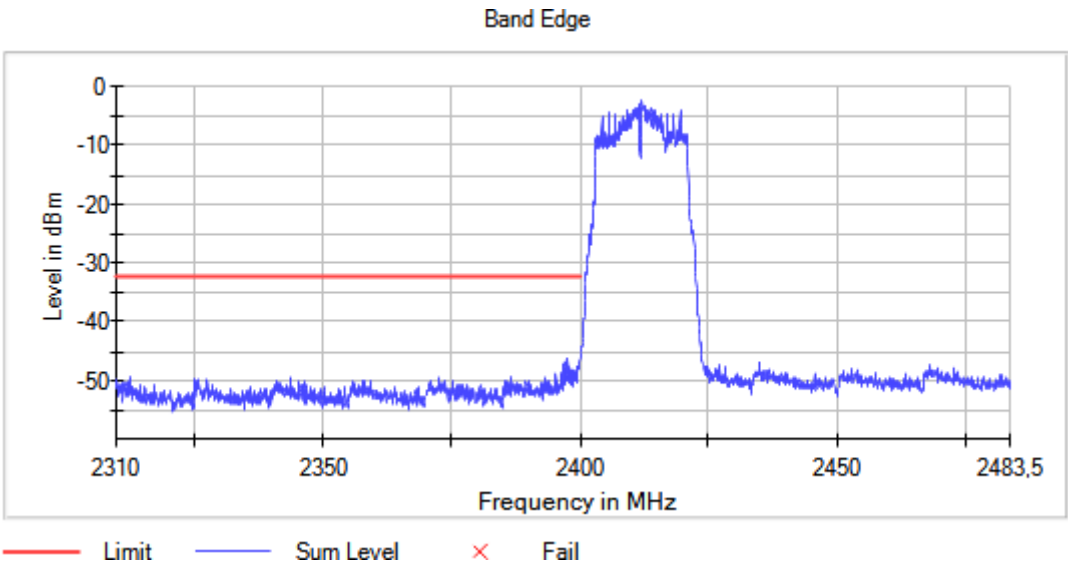
Frequency MHz = 2412.00000

Active Port = 3

Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Resource Unit Tone/Index = -

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	113.672 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	4 / 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
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	58 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.49 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

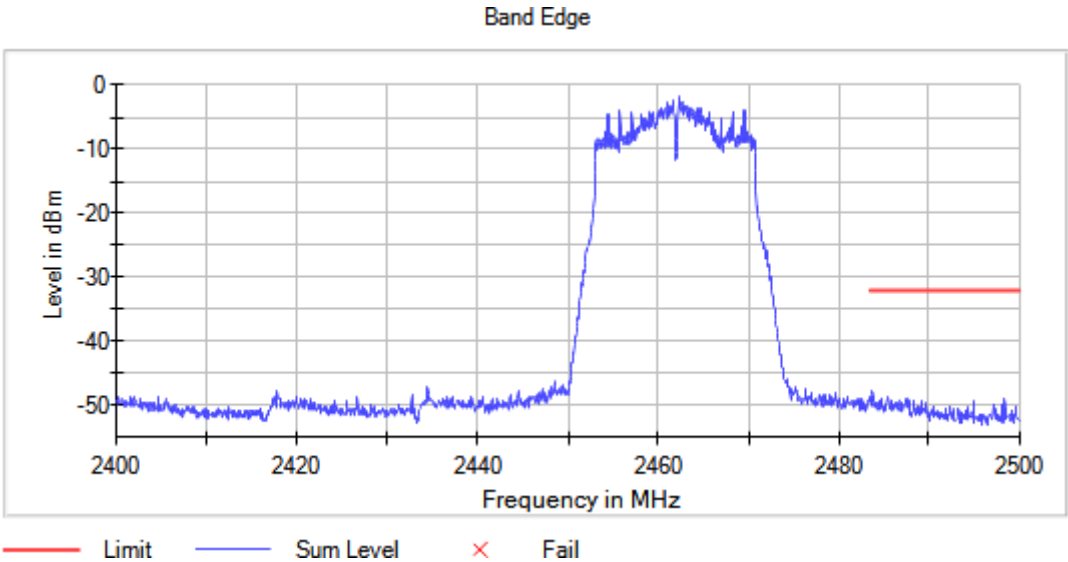
Frequency MHz = 2462.00000

Active Port = 3

Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Resource Unit Tone/Index = -

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	113.672 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	4 / 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
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	58 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.49 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

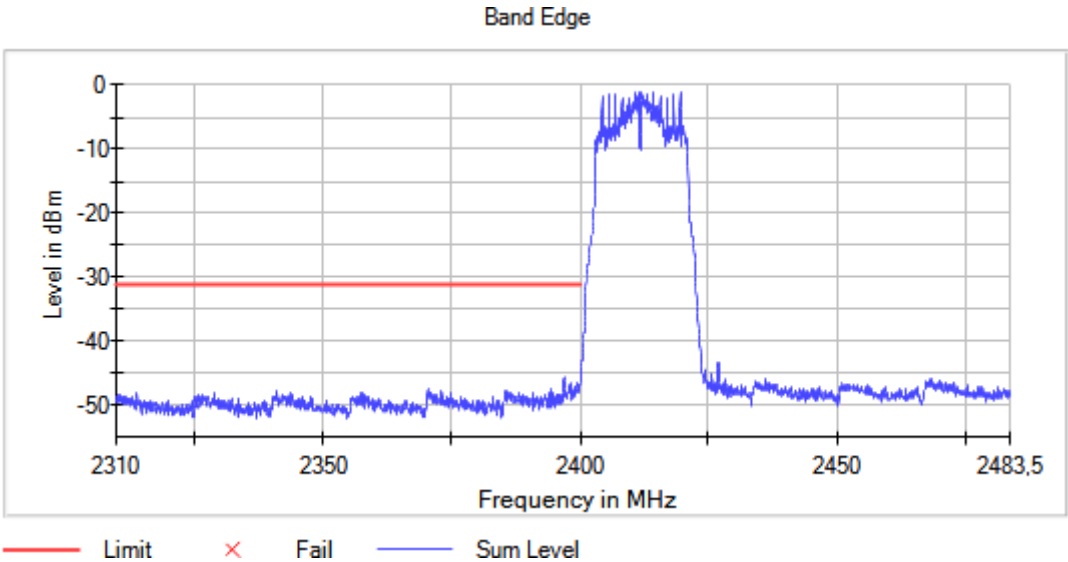
Frequency MHz = 2412.00000

Active Port = 3+4

Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Resource Unit Tone/Index = -

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	113.672 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	4 / 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	79 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.11 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

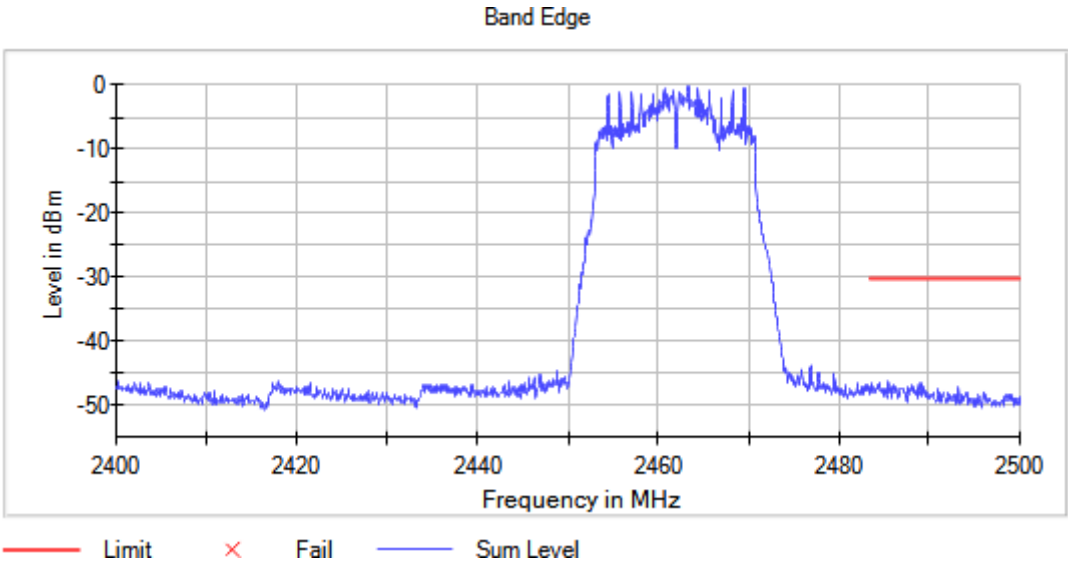
Frequency MHz = 2462.00000

Active Port = 3+4

Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Resource Unit Tone/Index = -

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	113.672 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	4 / 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	79 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.11 dB	0.50 dB

Modulation: 802.11ax HE20 (OFDMA MCS0)

Results

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	RU (Tone/Index)	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)
[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	3	SU	242/61		2398.275000	-42.2
							2398.225000	-42.3
							2399.775000	-42.5
							2399.825000	-42.5
							2399.275000	-43.2
							2399.225000	-43.3
							2398.325000	-43.4
							2399.975000	-43.4
							2399.725000	-43.6
							2399.575000	-43.6
							2395.175000	-43.6
							2395.125000	-43.6
							2399.625000	-43.6
							2398.175000	-43.8
							2399.025000	-43.8
				RU	26/0		2399.775000	-43.9
							2399.725000	-44.0
							2399.825000	-45.7
							2395.525000	-46.0
							2395.475000	-46.1
						2395.225000	-46.2	
						2399.925000	-46.4	
						2399.975000	-46.5	
						2399.675000	-46.6	
						2395.275000	-46.6	
		2462.00000		SU	242/61		2486.025000	-46.9
							2485.975000	-47.1
							2484.675000	-47.4
							2484.625000	-47.5
							2486.075000	-47.7

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	RU (Tone/Index)	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)
							2484.575000	-47.8
							2483.775000	-47.8
							2484.275000	-47.9
							2488.675000	-48.2
							2483.725000	-48.4
							2488.625000	-48.4
							2485.125000	-48.4
							2484.225000	-48.5
							2484.925000	-48.5
							2488.375000	-48.5
				RU	26/8		2488.225000	-46.6
							2488.275000	-46.8
							2487.375000	-47.3
							2487.425000	-47.4
							2486.625000	-47.9
							2487.725000	-48.0
							2487.525000	-48.0
							2486.075000	-48.0
							2487.575000	-48.0
							2486.025000	-48.1
							2488.175000	-48.2
							2486.125000	-48.2
							2486.325000	-48.3
							2488.725000	-48.3
							2486.275000	-48.3
		2412.00000	3+4	SU	242/61		2398.275000	-44.9
							2397.925000	-45.0
							2397.875000	-45.0
							2398.325000	-45.5
							2393.275000	-45.7
							2398.225000	-45.7
							2399.325000	-45.9
							2399.975000	-46.0
							2393.225000	-46.0
							2398.175000	-46.1
							2399.925000	-46.1
							2397.025000	-46.1

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	RU (Tone/Index)	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)	
		2462.00000					2397.825000	-46.1	
							2393.175000	-46.2	
							2396.975000	-46.2	
				RU	26/0		2399.925000	-45.6	
							2399.875000	-45.7	
							2399.975000	-45.8	
							2399.825000	-46.5	
							2399.475000	-47.0	
							2399.775000	-47.1	
							2399.275000	-47.4	
							2399.225000	-47.5	
							2399.425000	-47.5	
							2372.275000	-47.5	
							2371.225000	-47.6	
							2389.075000	-47.6	
							2399.675000	-47.6	
							2388.025000	-47.7	
							2389.025000	-47.7	
		2462.00000		SU	242/61		2484.625000	-46.5	
							2483.875000	-46.5	
							2485.775000	-46.5	
							2484.275000	-46.5	
							2484.925000	-46.6	
							2483.825000	-46.6	
							2483.975000	-46.7	
							2484.675000	-46.7	
							2485.475000	-46.7	
							2488.675000	-46.8	
							2484.325000	-46.8	
							2484.975000	-46.9	
							2488.725000	-46.9	
							2484.225000	-47.0	
							2483.925000	-47.0	
				RU	26/8		2484.125000	-45.6	
							2484.175000	-45.8	
							2486.875000	-45.9	
							2486.925000	-46.2	

Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	RU (Tone/Index)	Inband Peak Lvl (dBm)	Freq (MHz)	Lvl (dBm)
							2486.825000	-46.4
							2484.075000	-46.4
							2483.525000	-46.4
							2486.375000	-46.6
							2488.175000	-46.7
							2485.025000	-46.8
							2483.925000	-46.8
							2483.875000	-46.8
							2487.225000	-46.9
							2483.575000	-47.0
							2487.275000	-47.1

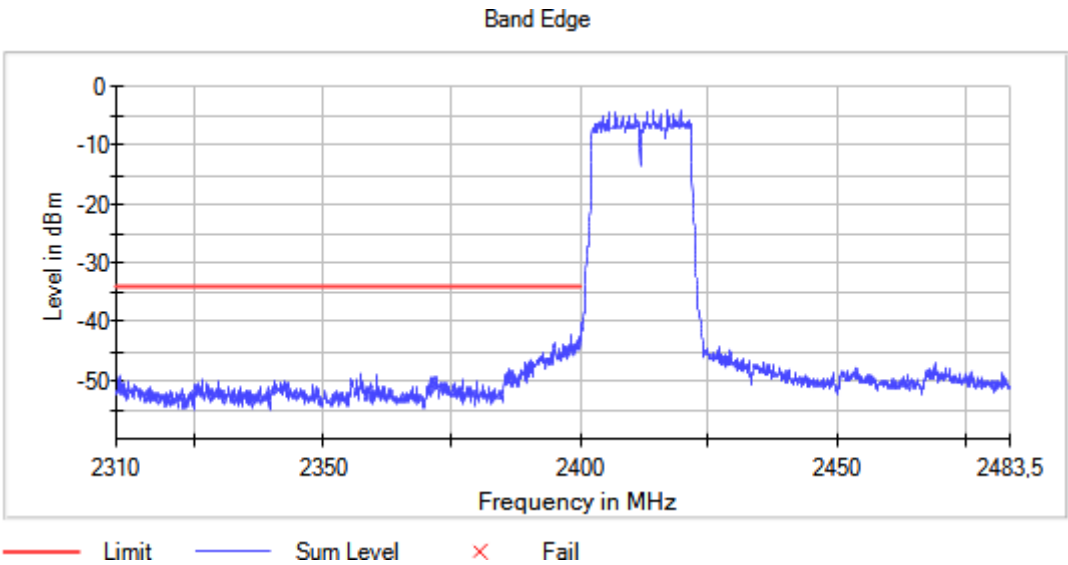
Verdict

Pass

Attachments

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = SU
Resource Unit Tone/Index = 242/61

Images:



Tables:

Spectrum Analyzer Parameters 1

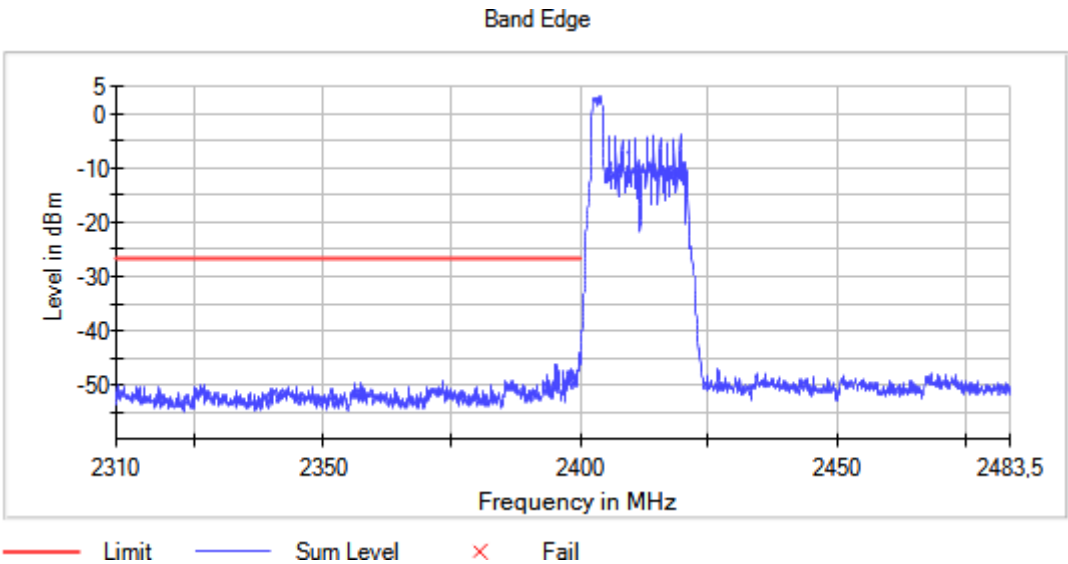
Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
Sweeptime	113.672 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	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	4 / 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	60 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.16 dB	0.50 dB

Operation Band MHz = [2400, 2483.5] Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2412.00000 Active Port = 3
Modulation = 802.11ax HE20 (OFDMA MCS0) Subcarrier Mode = RU
Resource Unit Tone/Index = 26/0

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	113.672 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	4 / 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
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	31 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.05 dB	0.50 dB

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

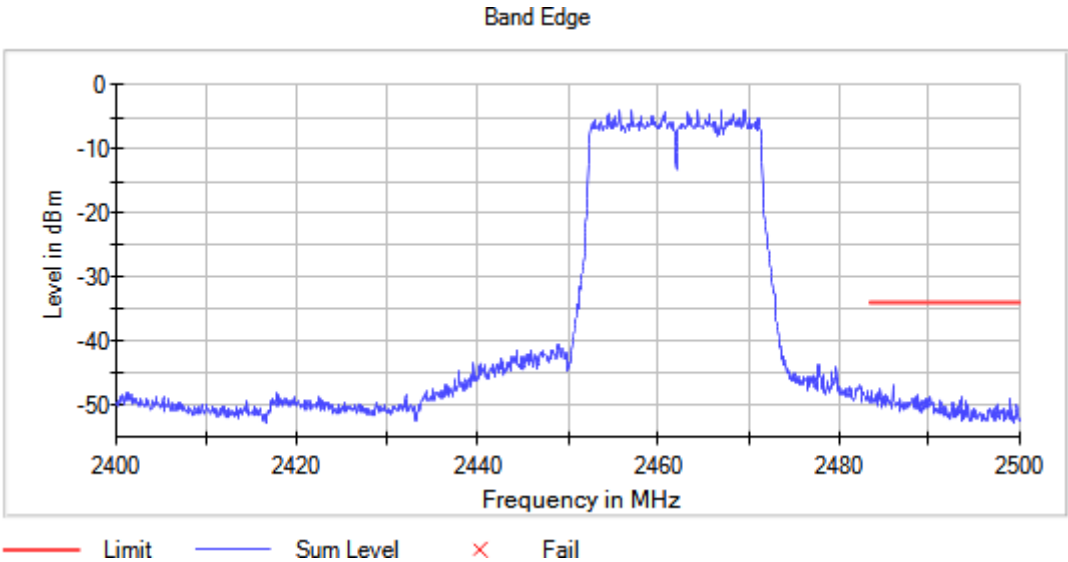
Active Port = 3

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Resource Unit Tone/Index = 242/61

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	113.672 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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB