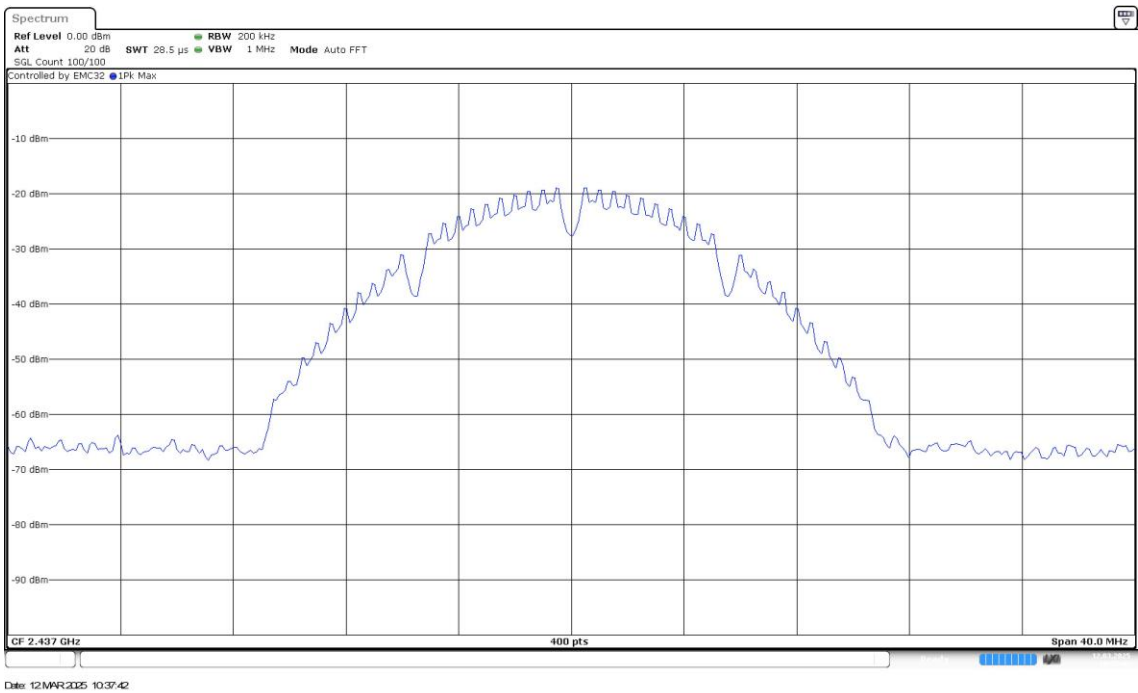
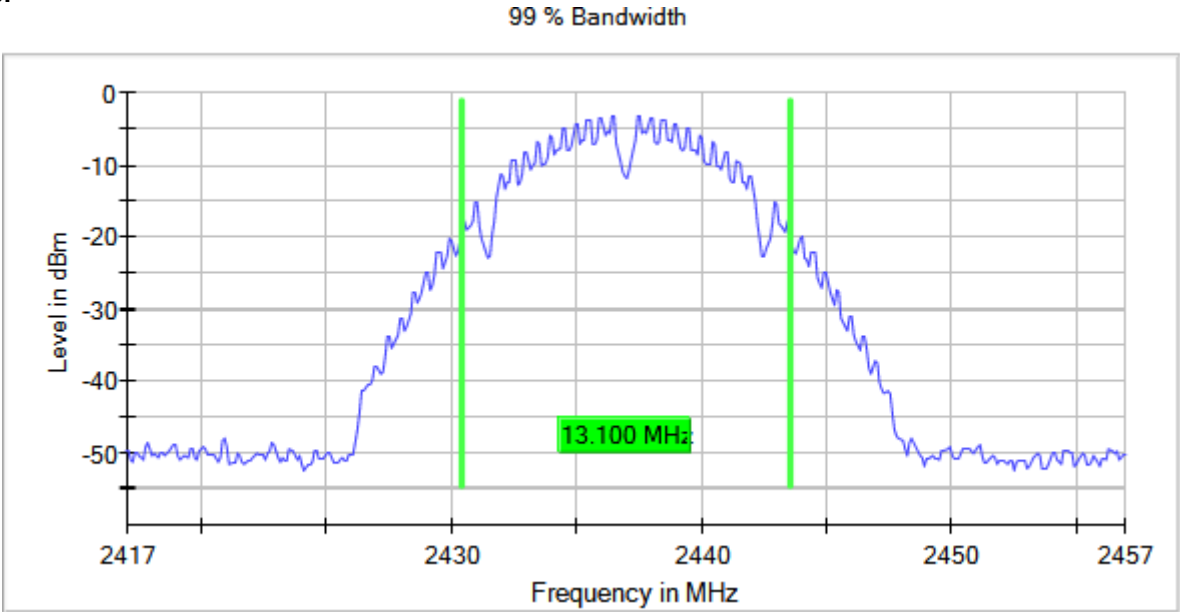


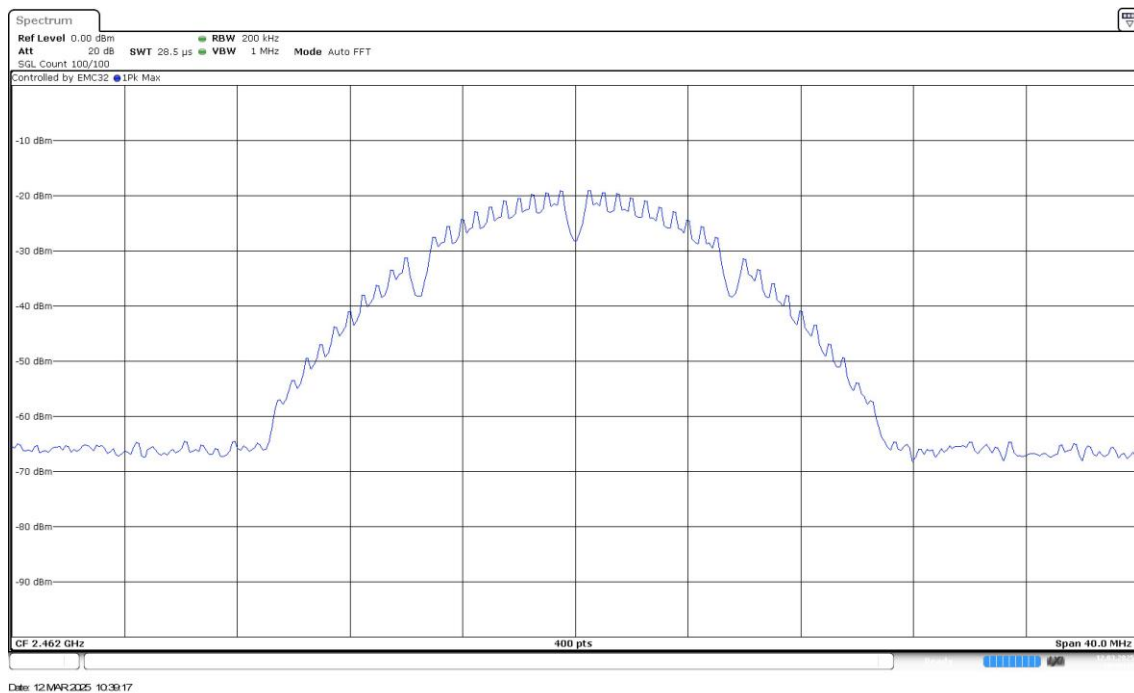
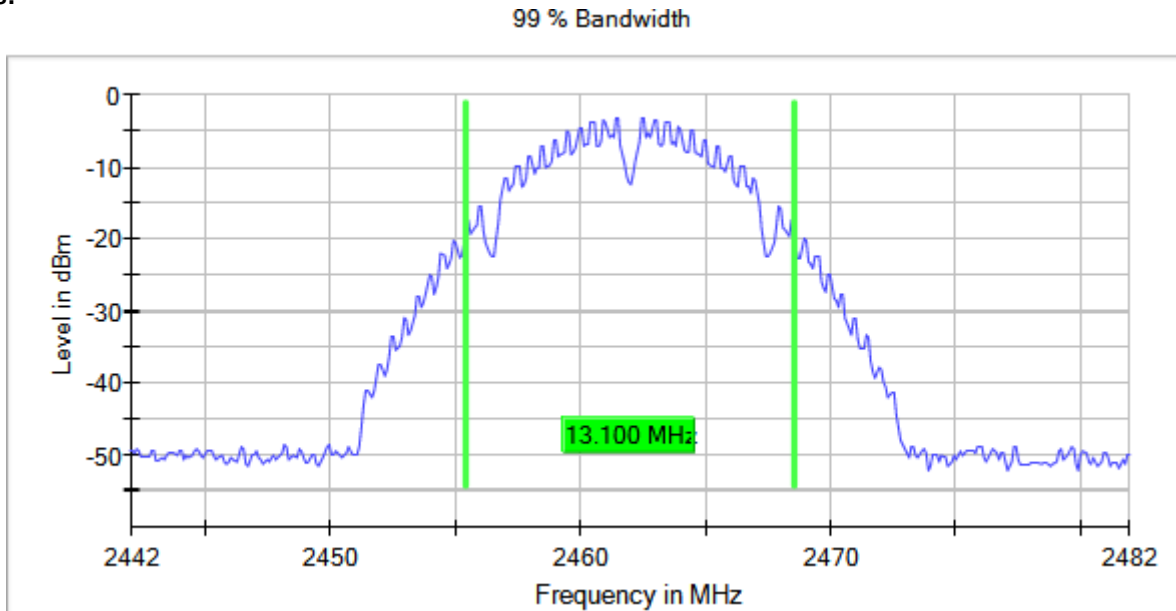
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2437.00000
MIMO Mode = SISO Active Port = 1

Images:



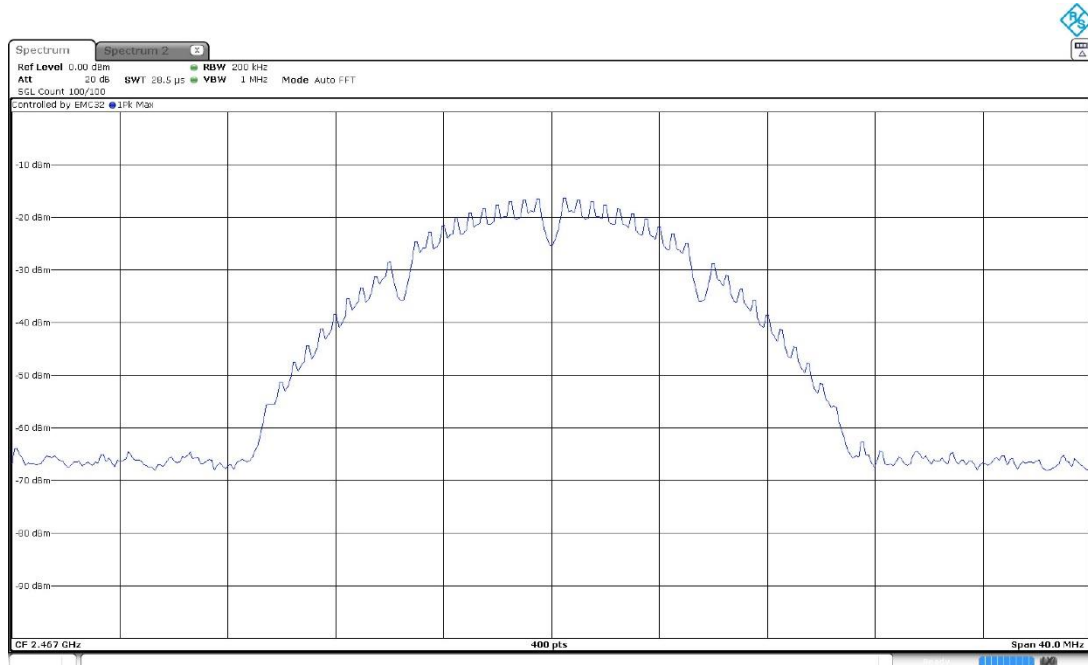
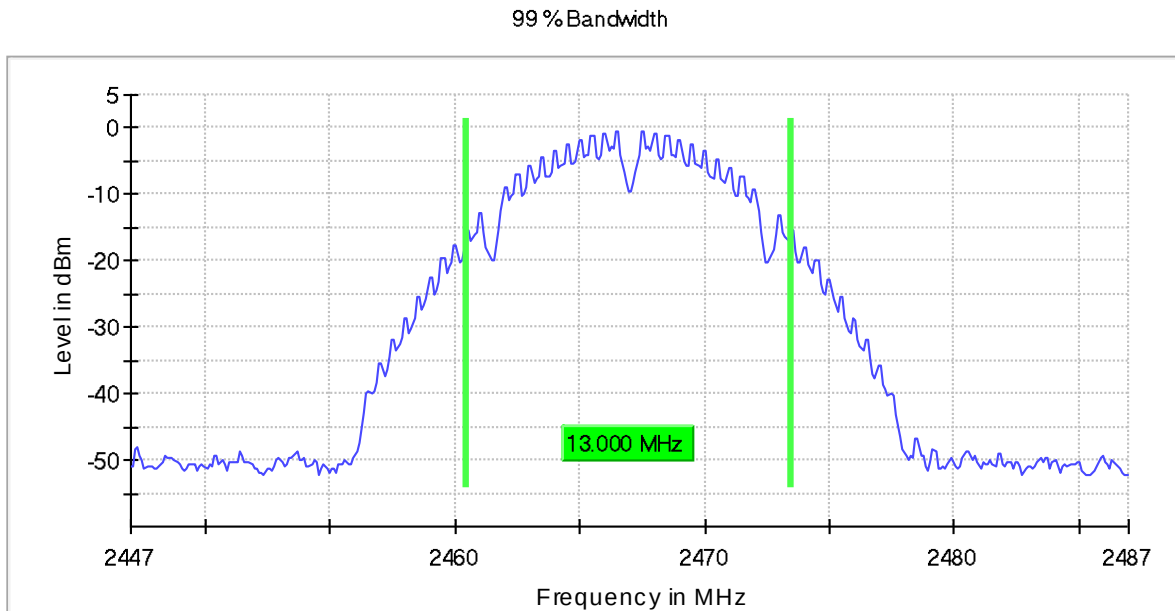
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2462.00000
 MIMO Mode = SISO Active Port = 1

Images:



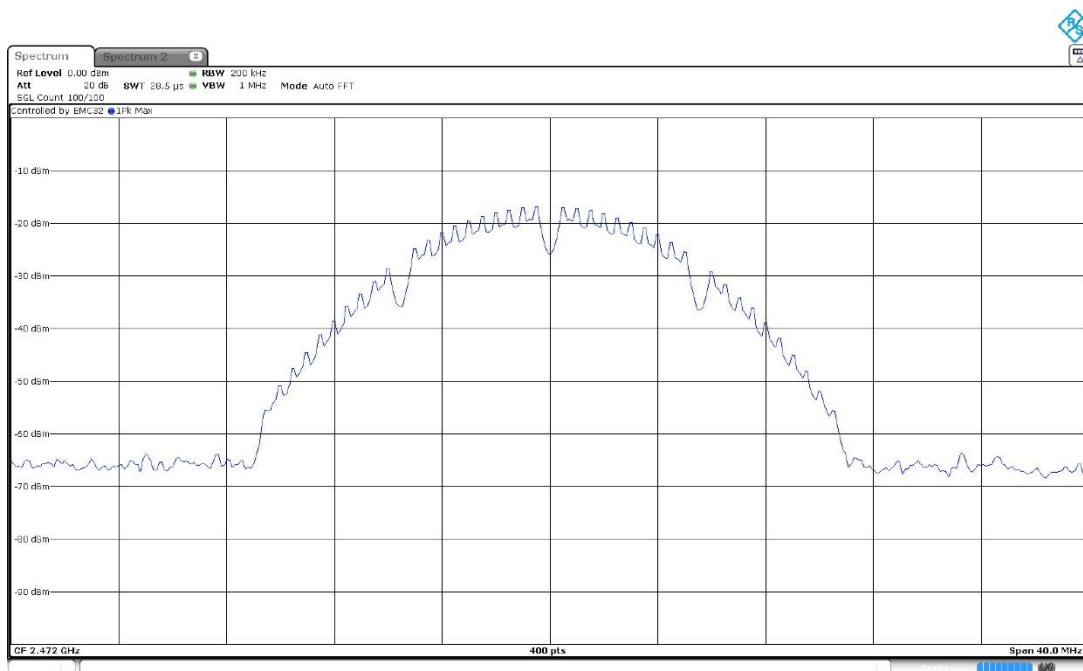
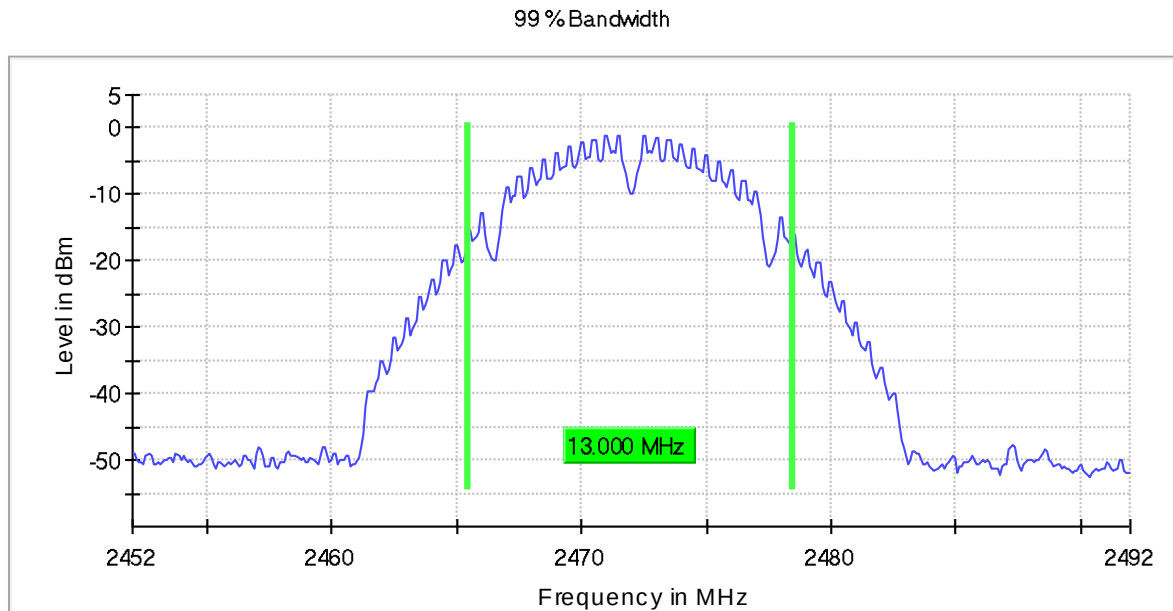
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2467.00000
MIMO Mode = SISO Active Port = 1

Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2472.00000
MIMO Mode = SISO Active Port = 1

Images:



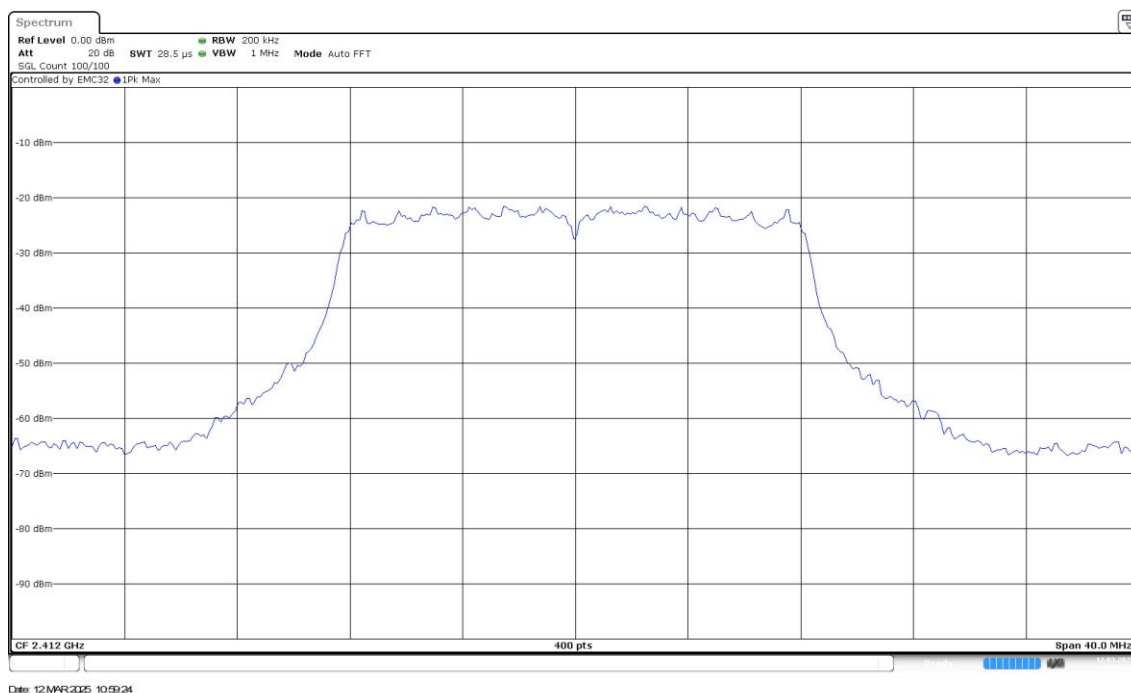
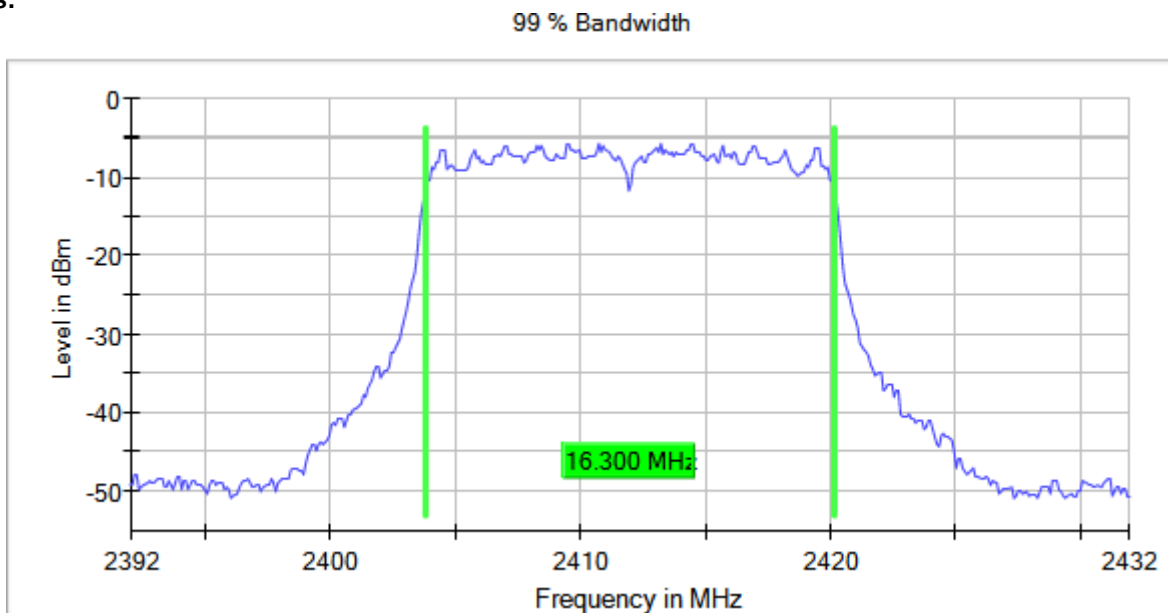
Modulation: 802.11g (OFDM 6 Mbit/s)

Equipment	BW (MHz)	Freq (MHz)	Port	Occ Ch BW (MHz)
Digital Transmission System (DTS)	20	2412.00000	1	16.300
		2437.00000		16.300
		2462.00000		16.300
		2467.00000		16.300
		2472.00000		16.300

Attachments

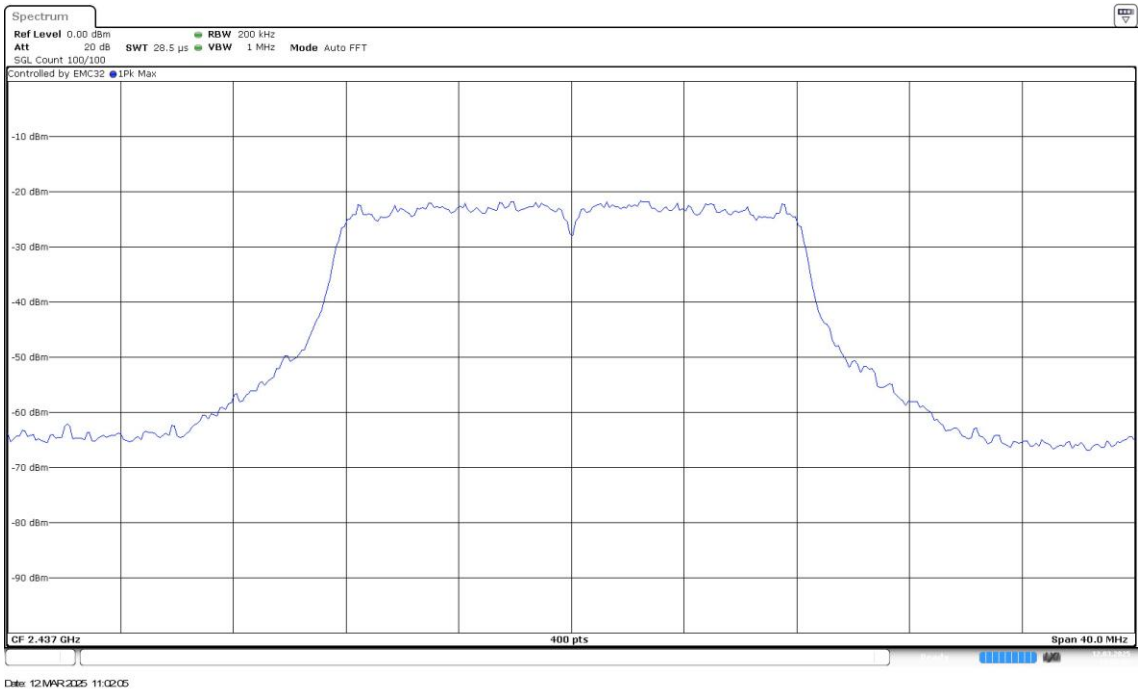
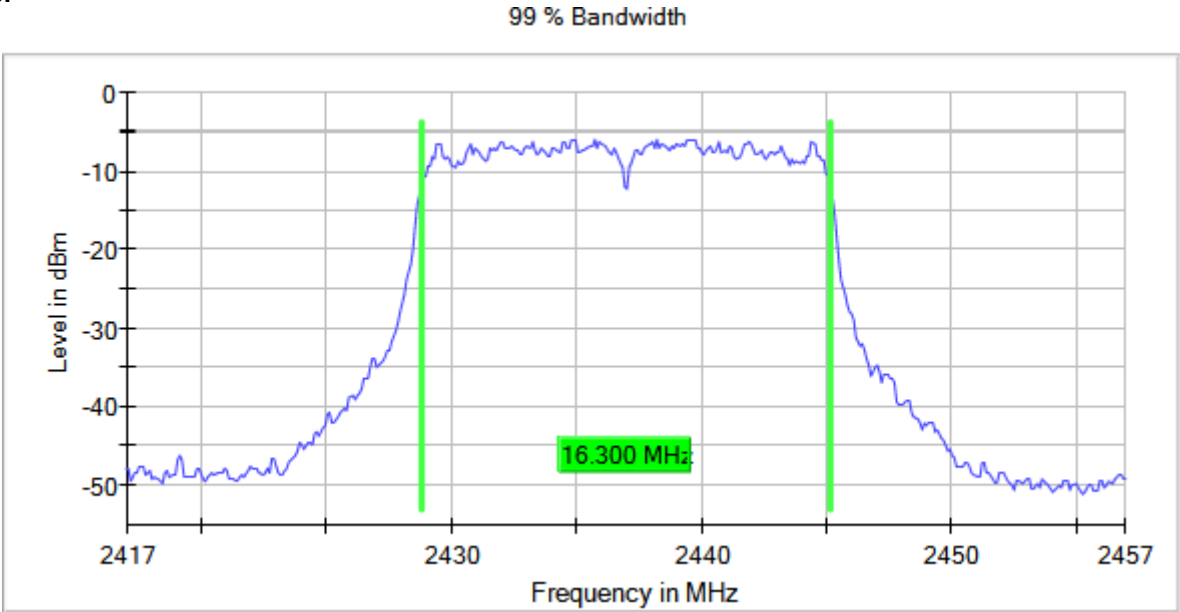
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

Images:



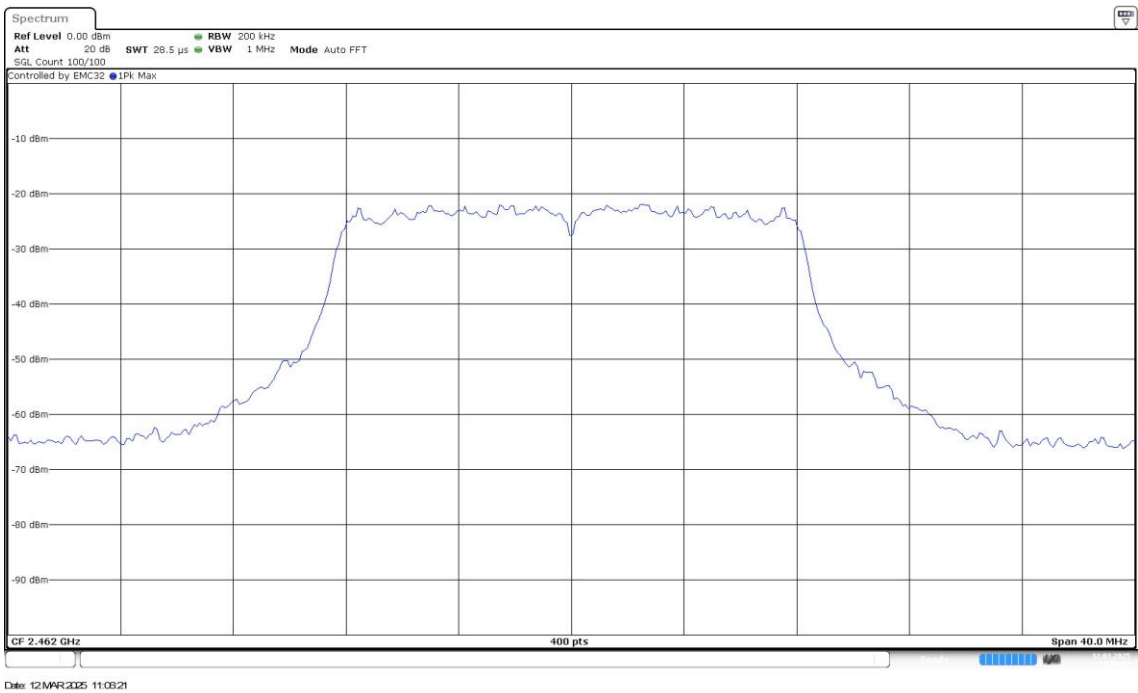
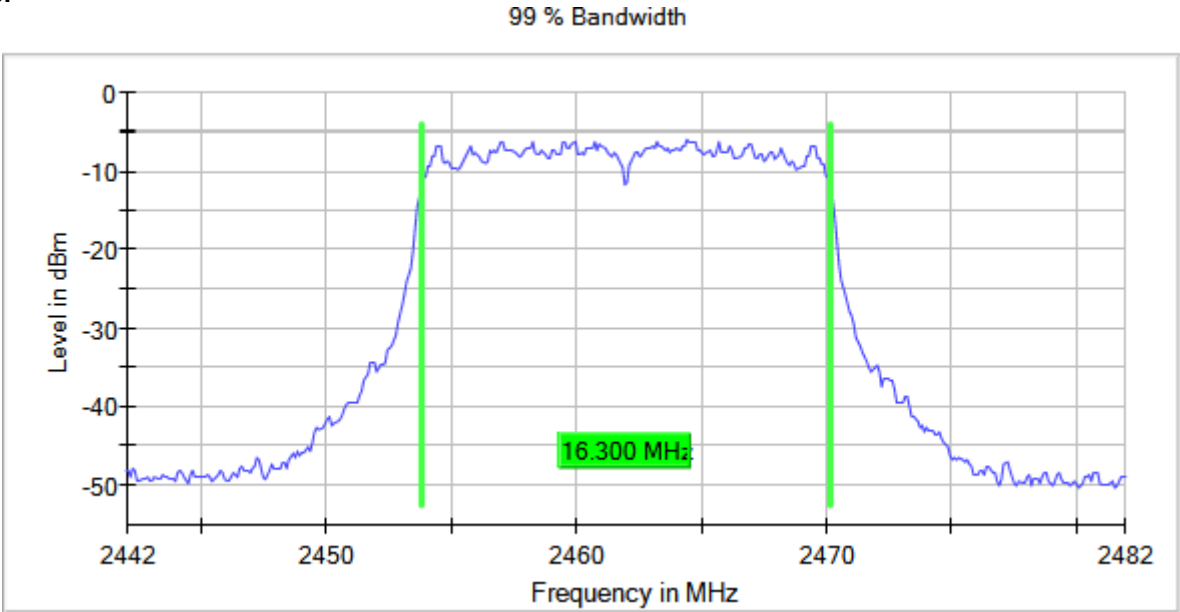
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2437.00000
MIMO Mode = SISO Active Port = 1

Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

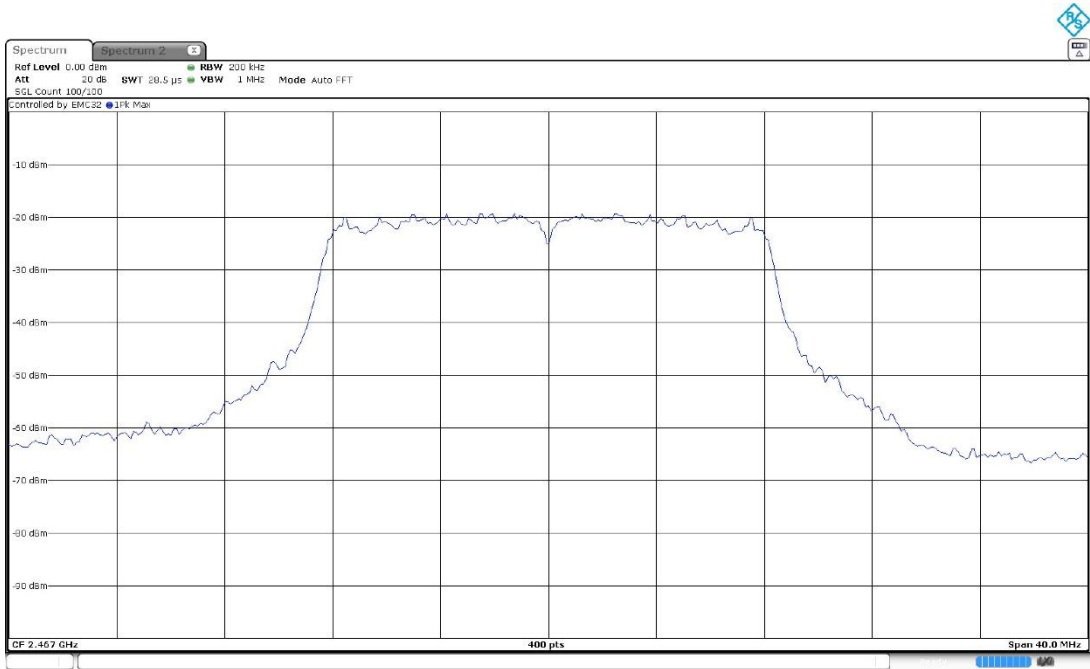
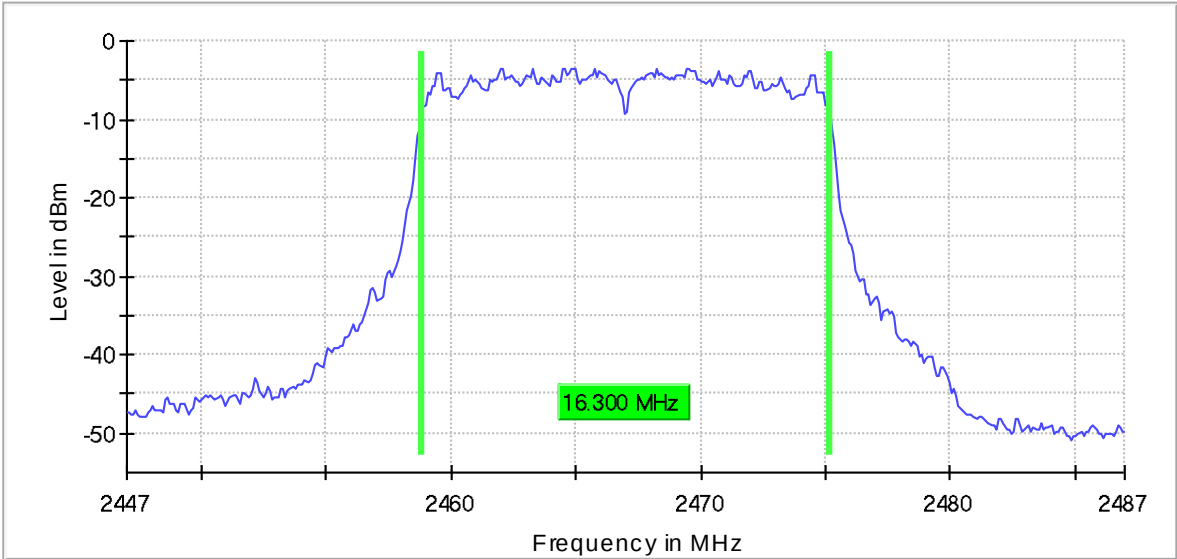
Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2467.00000
MIMO Mode = SISO Active Port = 1

Images:

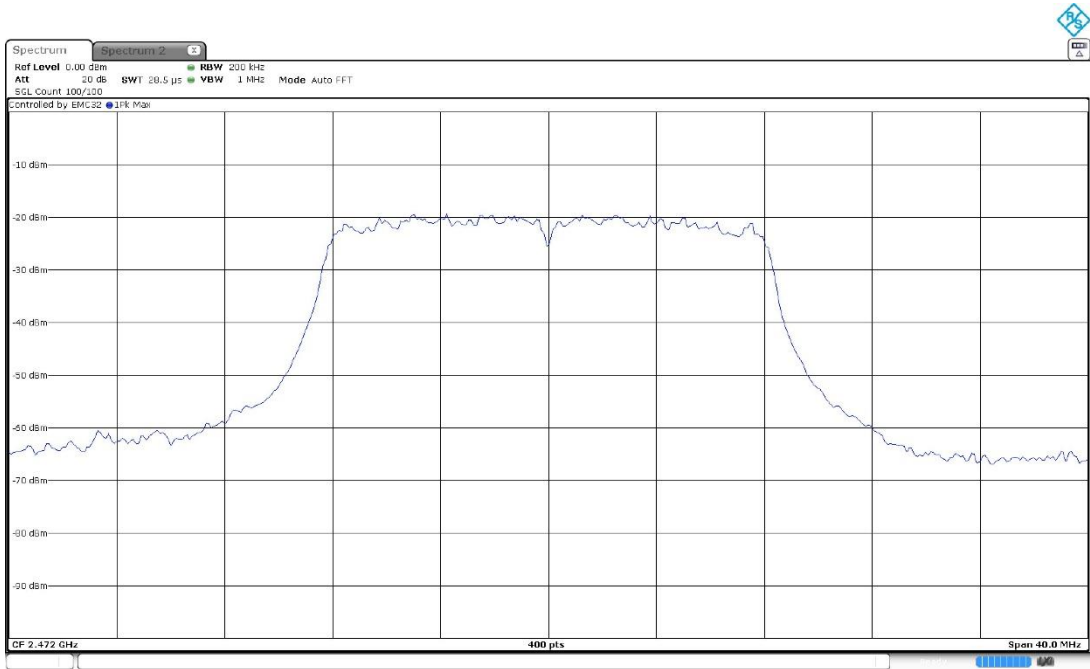
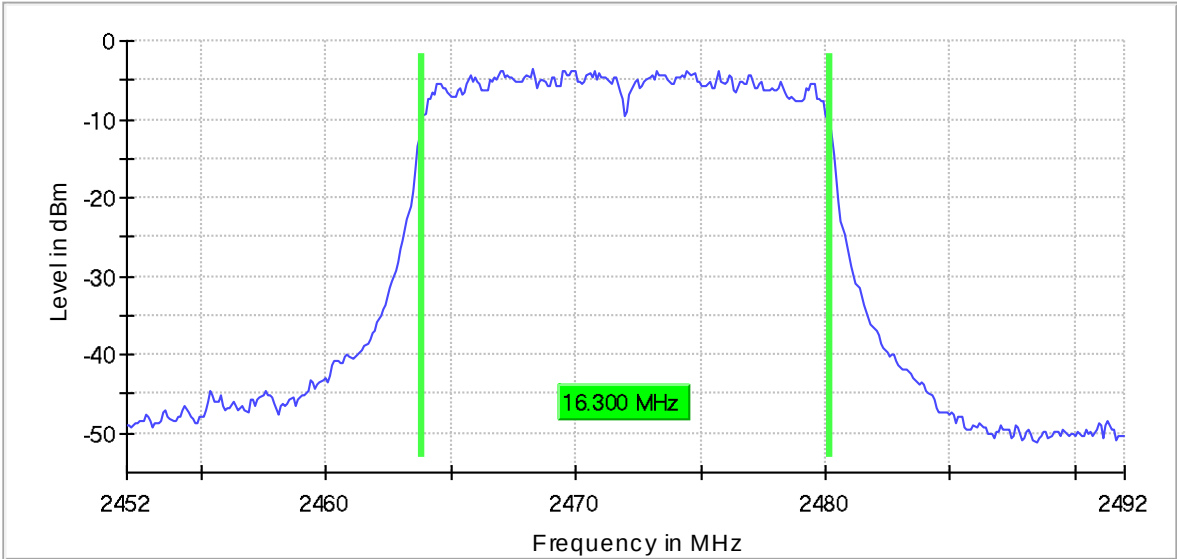
99 % Bandwidth



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2472.00000
MIMO Mode = SISO Active Port = 1

Images:

99 % Bandwidth



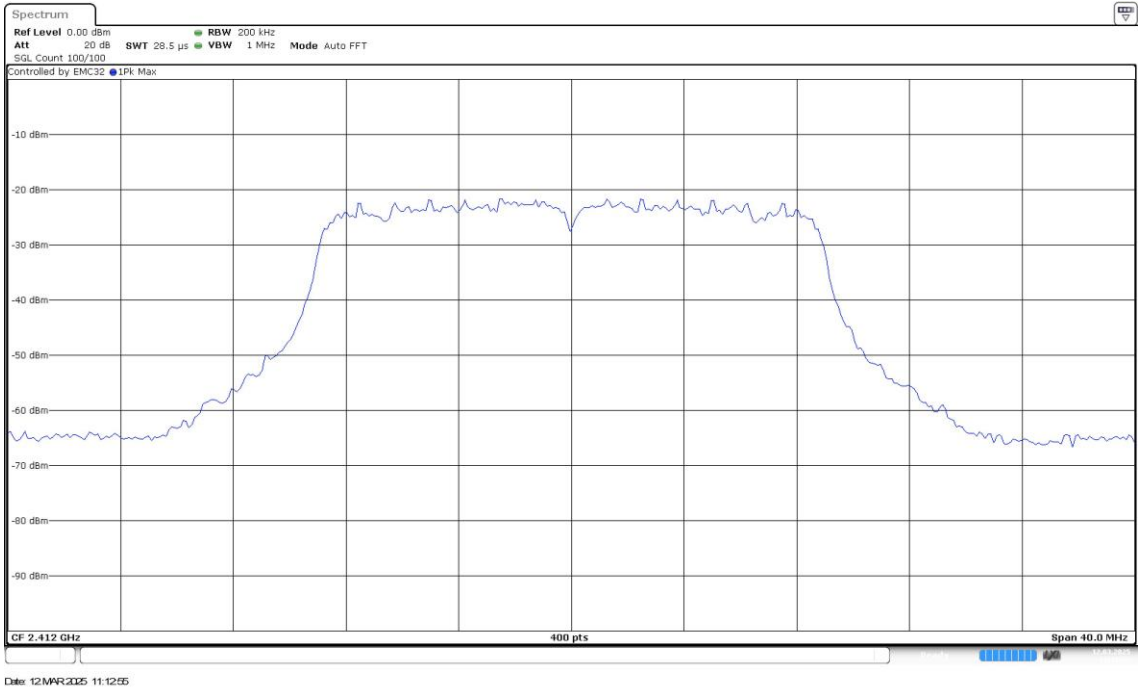
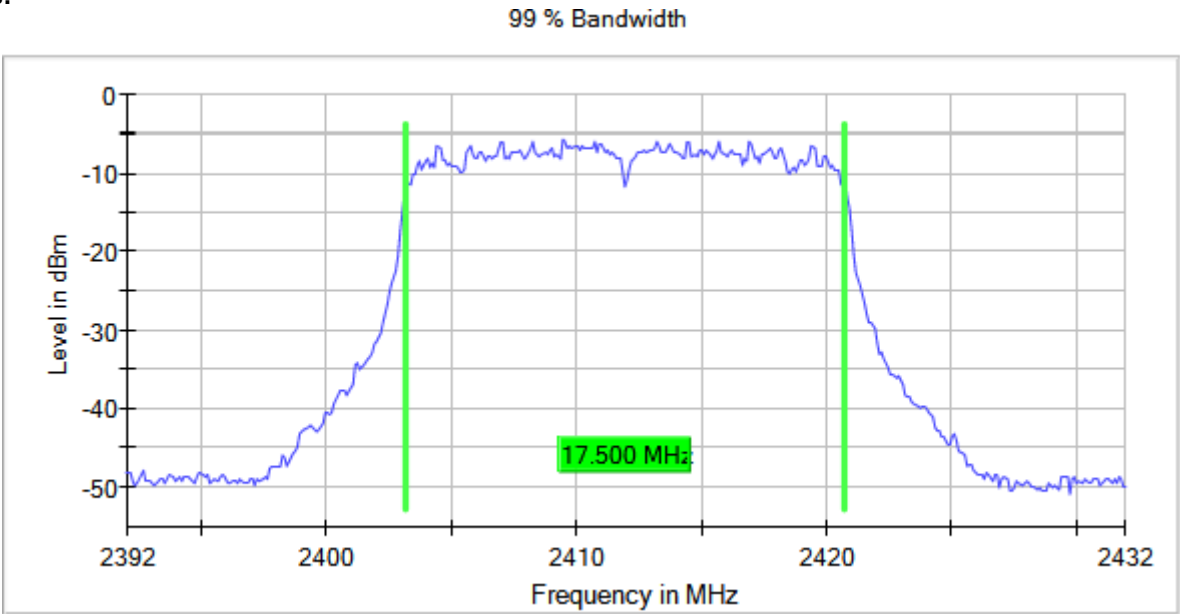
Modulation: 802.11n HT20 (OFDM MCS0)

Equipment	BW (MHz)	Freq (MHz)	Port	Occ Ch BW (MHz)
Digital Transmission System (DTS)	20	2412.00000	1	17.500
		2437.00000		17.500
		2462.00000		17.500
		2467.00000		17.500
		2472.00000		17.300

Attachments

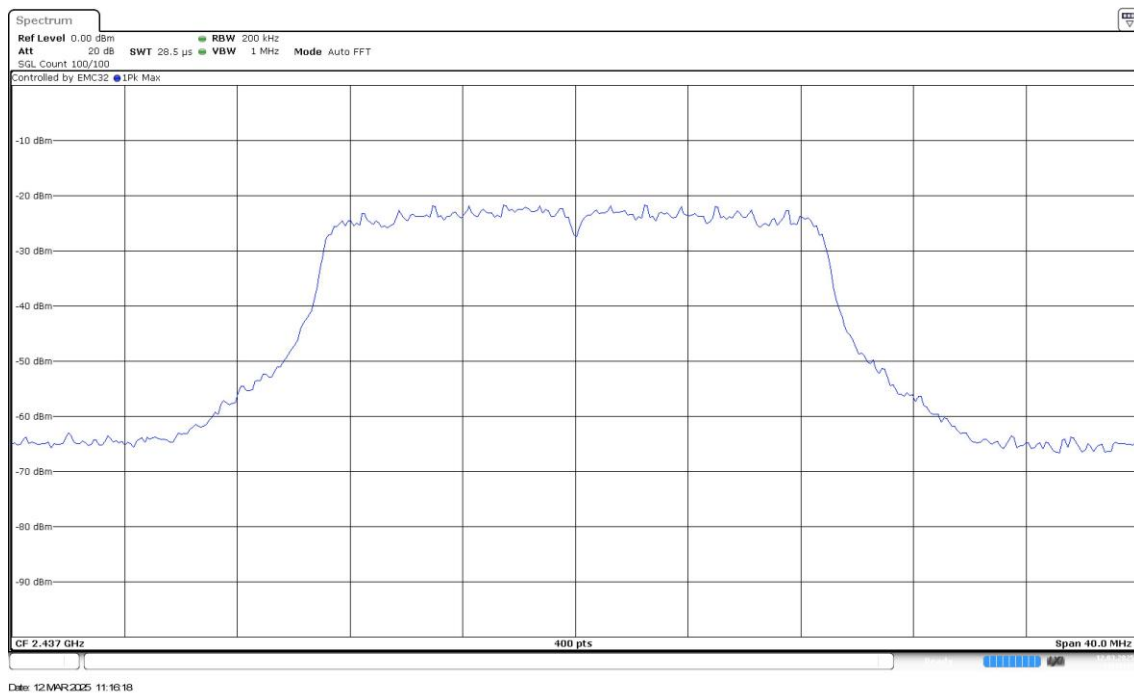
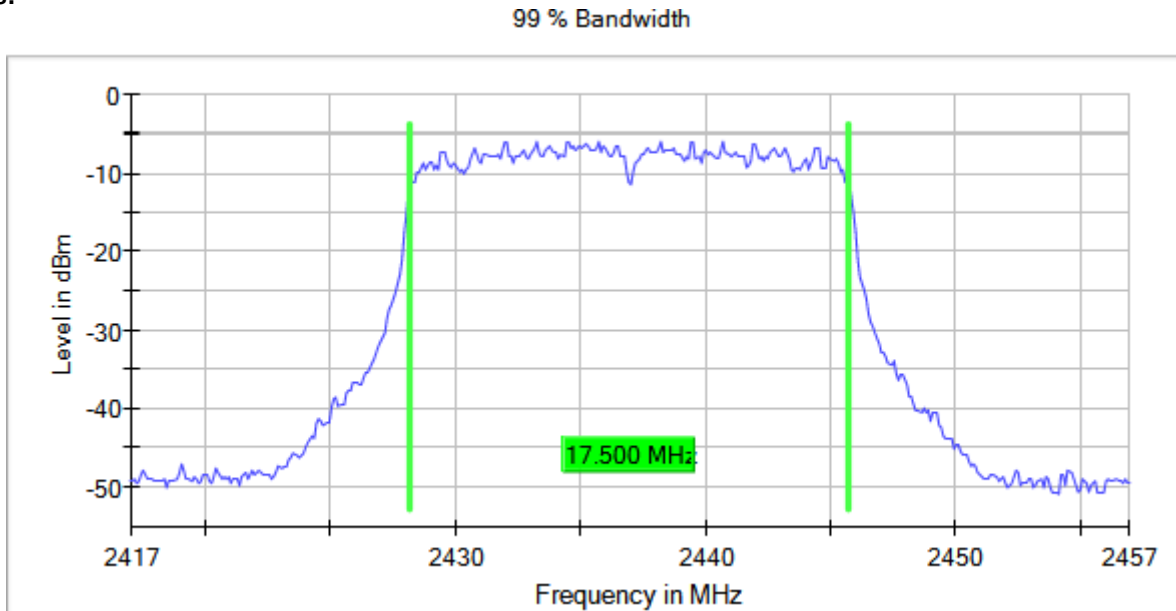
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11n HT20 (OFDM MCS0) Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

Images:



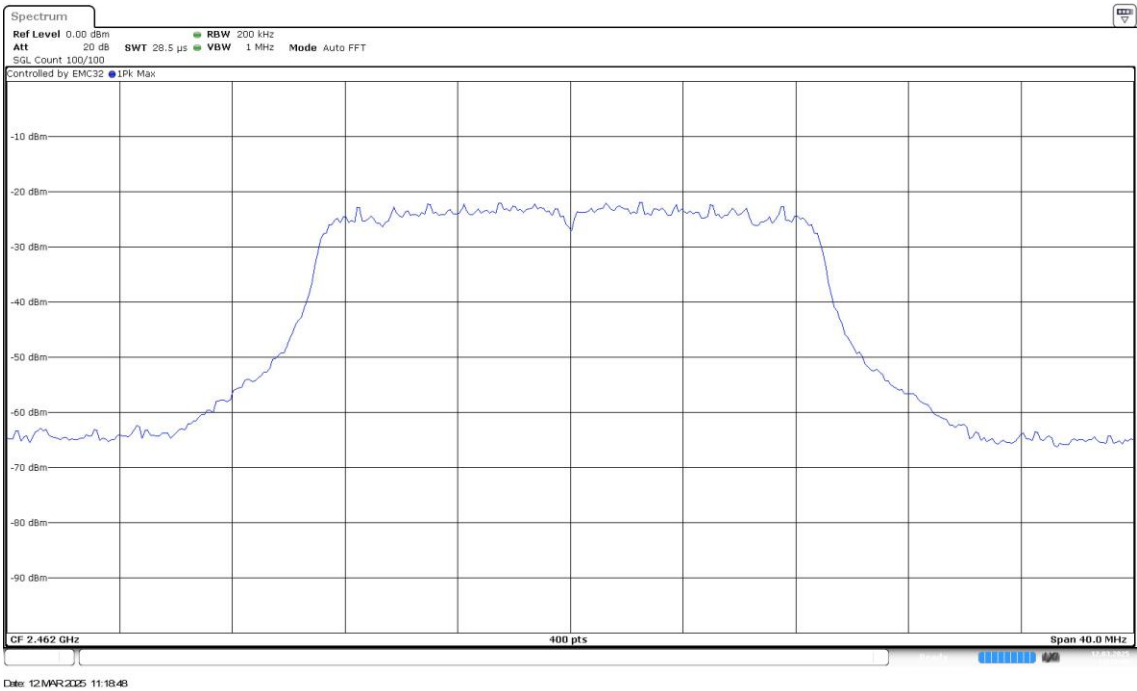
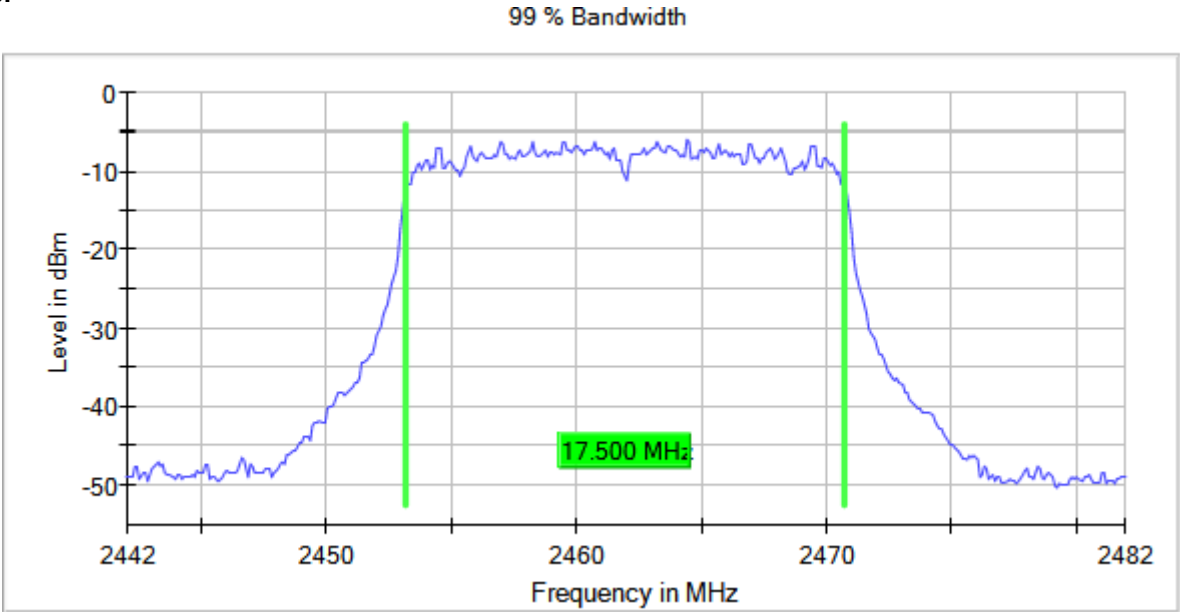
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11n HT20 (OFDM MCS0) Frequency MHz = 2437.00000
MIMO Mode = SISO Active Port = 1

Images:



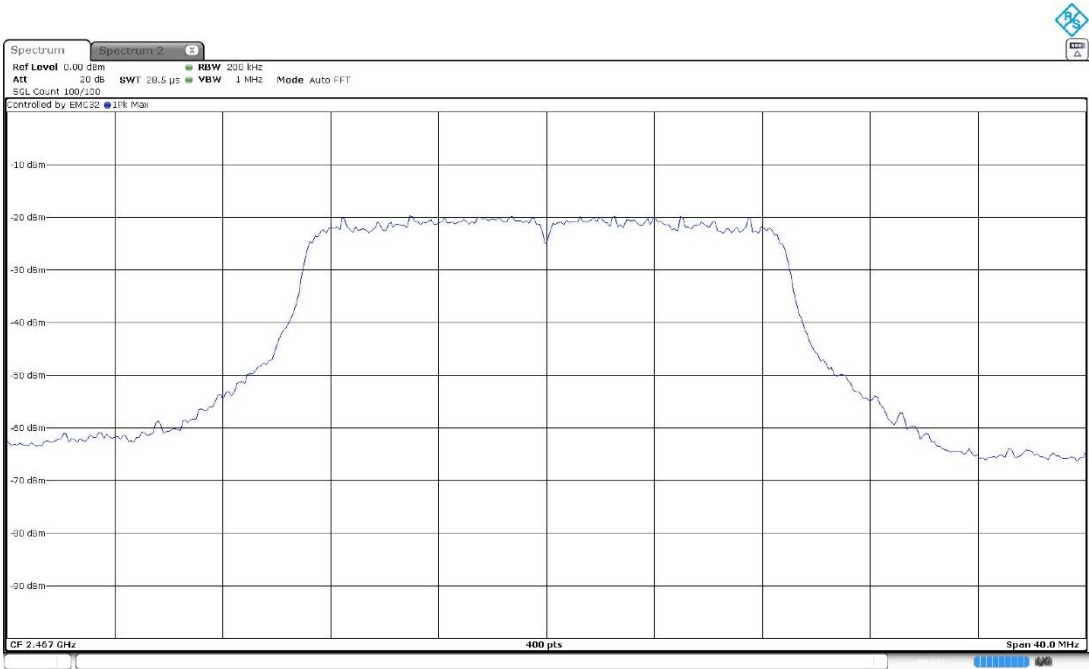
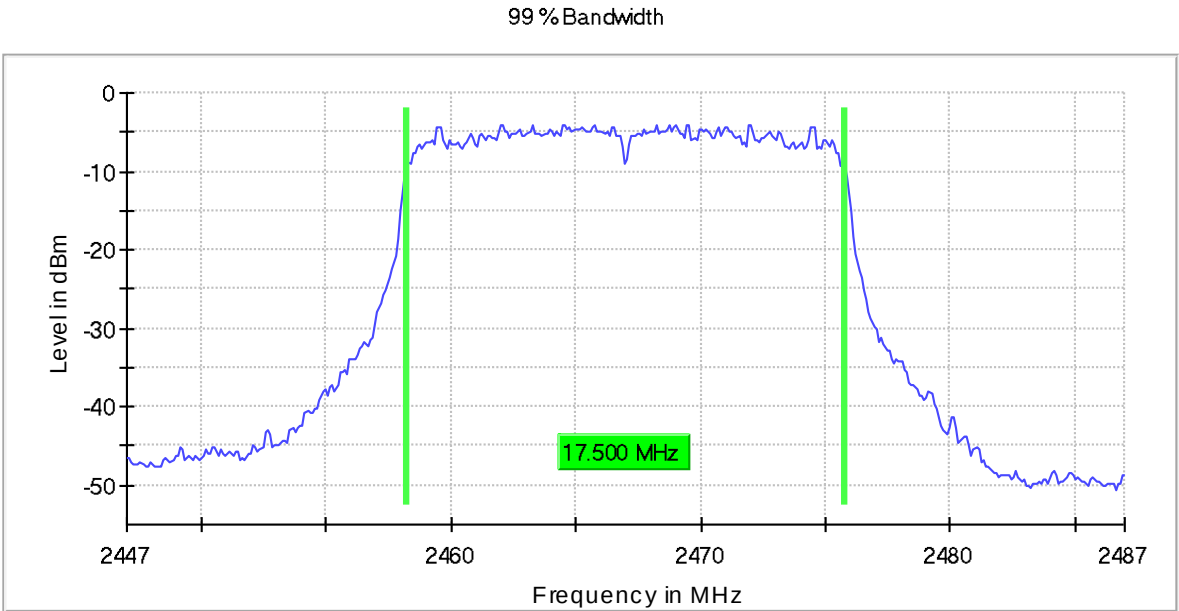
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11n HT20 (OFDM MCS0) Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11n HT20 (OFDM MCS0) Frequency MHz = 2467.00000
MIMO Mode = SISO Active Port = 1

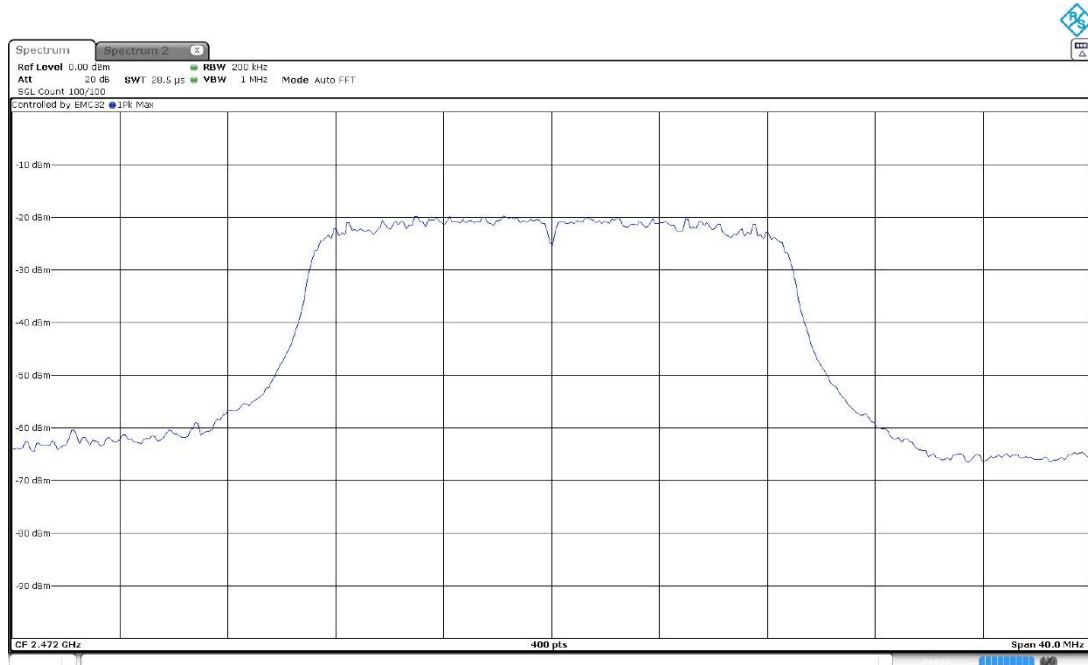
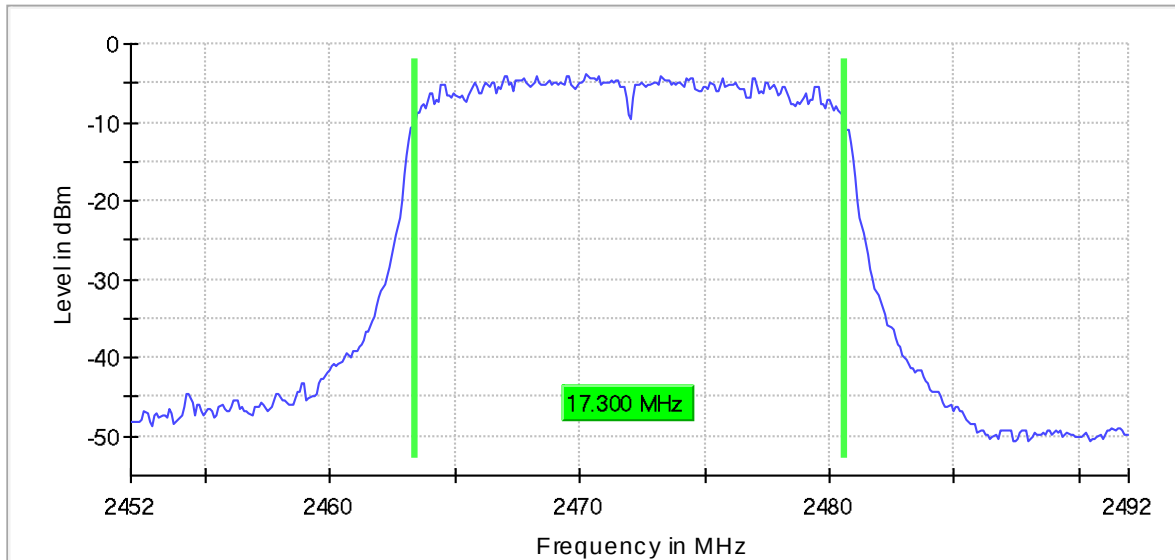
Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11n HT20 (OFDM MCS0) Frequency MHz = 2472.00000
MIMO Mode = SISO Active Port = 1

Images:

99 % Bandwidth



Modulation: 802.11ax20 OFDM – SU Full-channel allocation

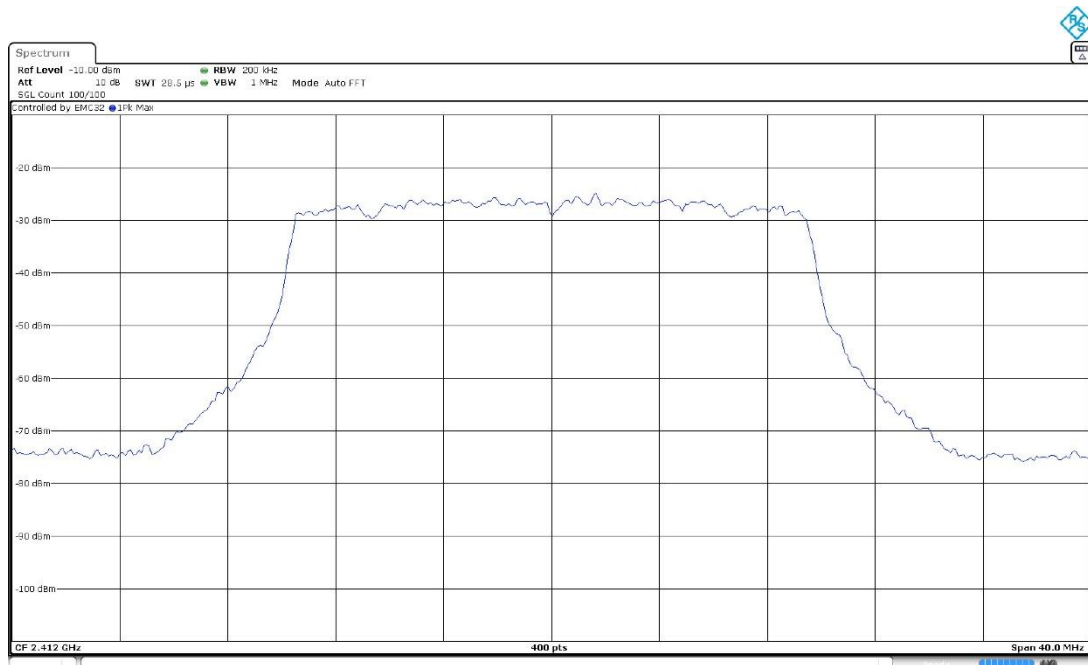
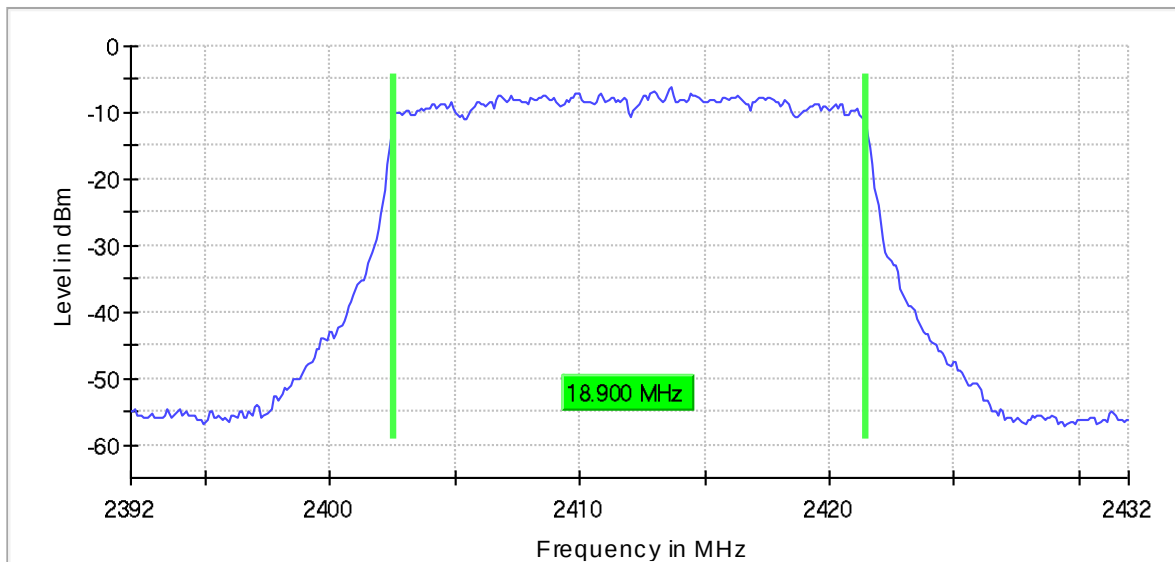
Equipment	BW (MHz)	Freq (MHz)	Port	Occ Ch BW (MHz)
Digital Transmission System (DTS)	20	2412.00000	1	18.900
		2462.00000		18.900
		2472.00000		18.700

Attachments

Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11ax20 OFDM SU Frequency MHz = 2412.00000
 MIMO Mode = SISO Active Port = 1

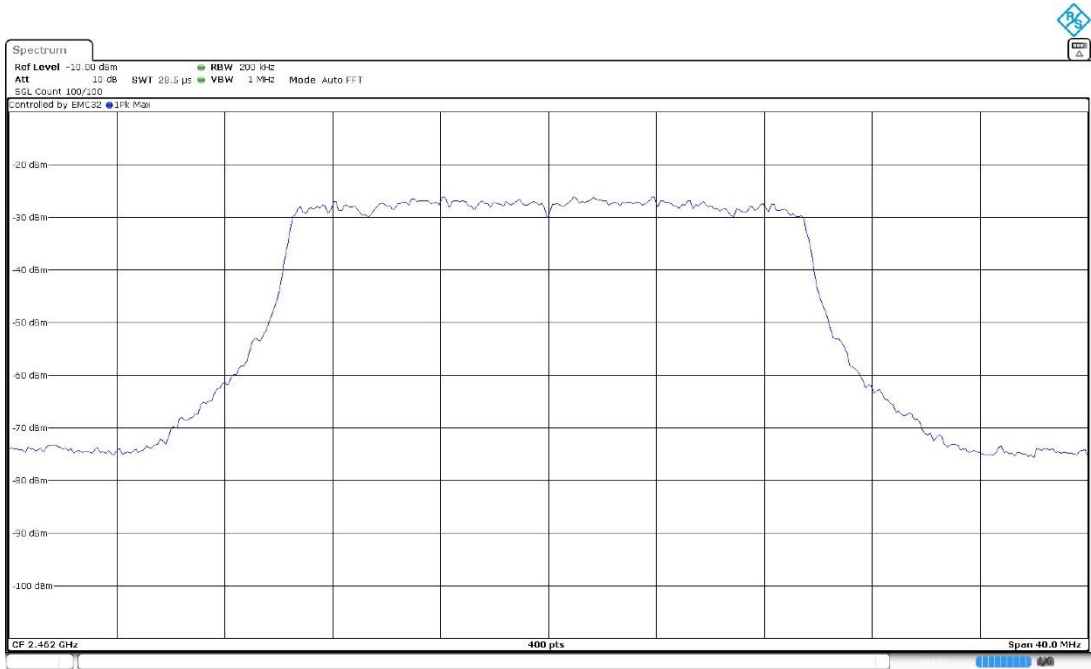
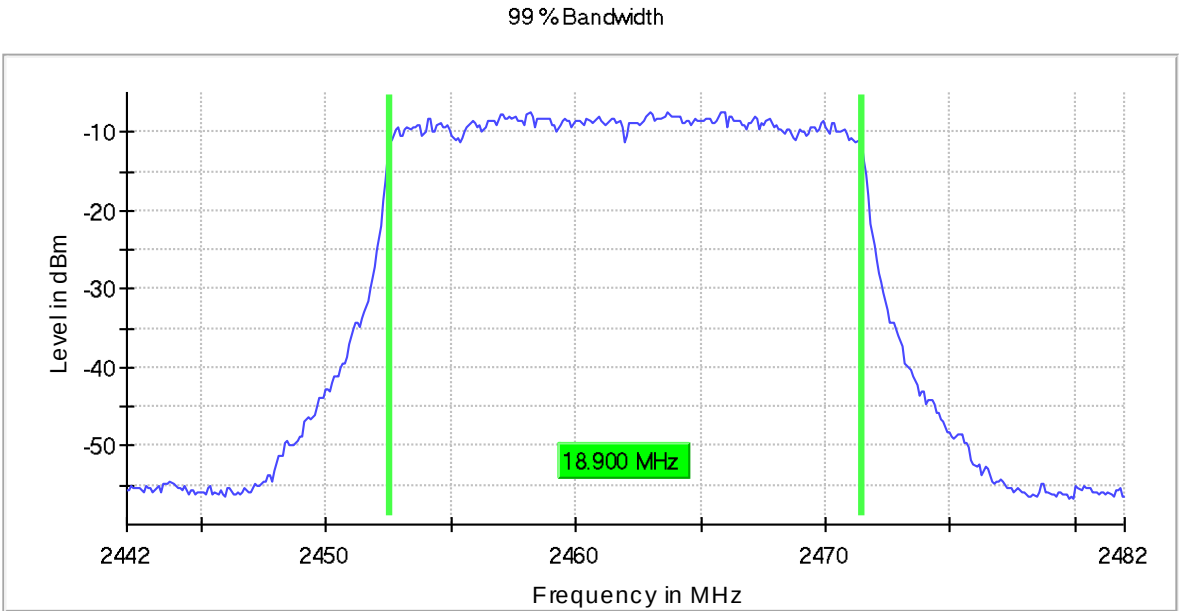
Images:

99 % Bandwidth



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM SU Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

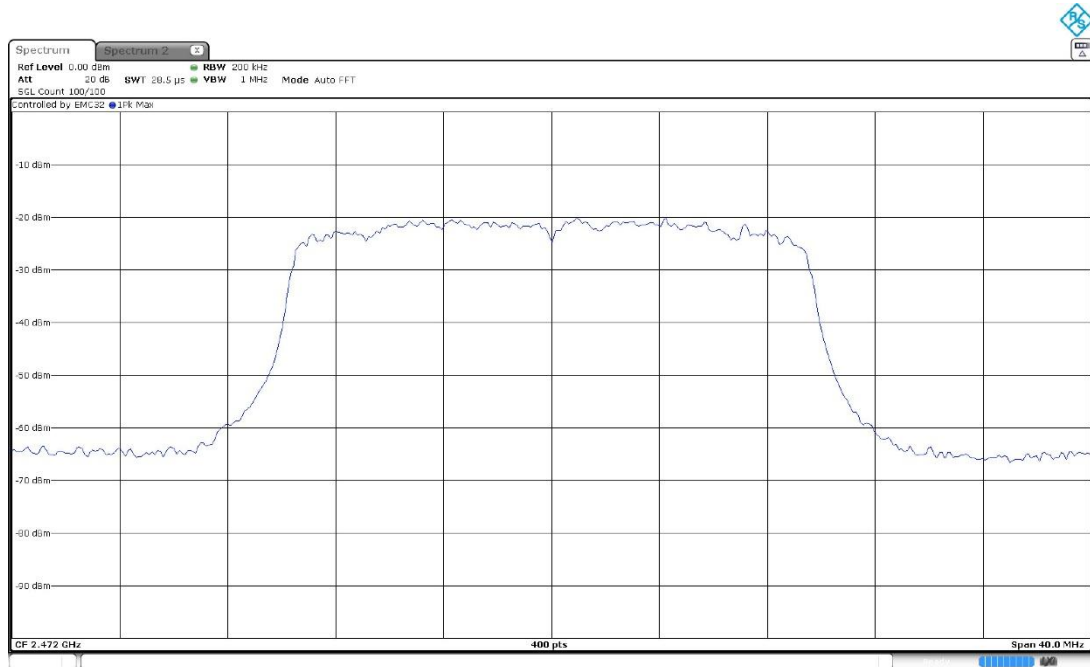
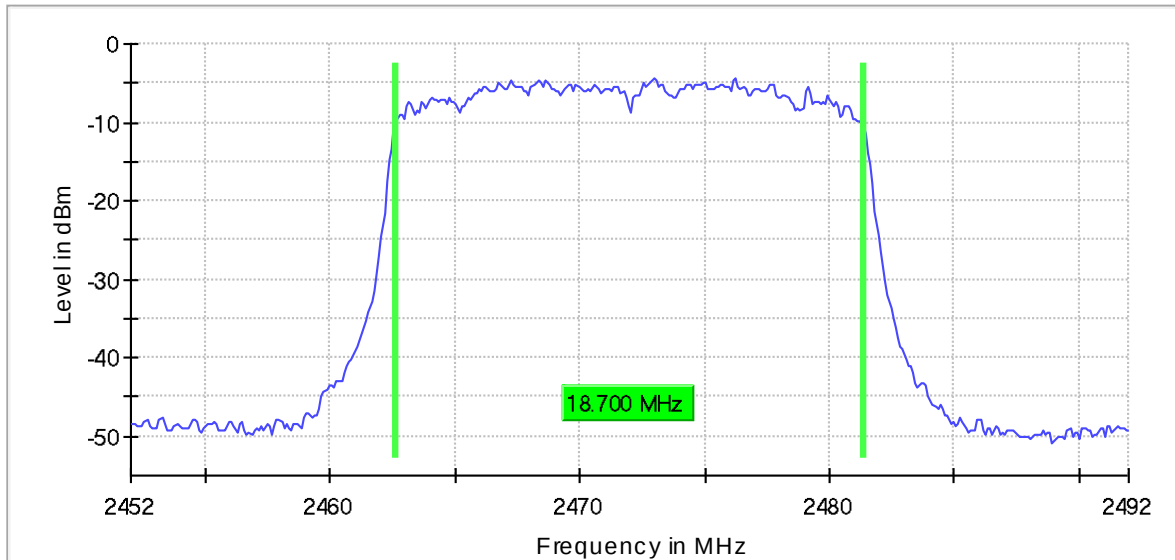
Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM SU Frequency MHz = 2472.00000
MIMO Mode = SISO Active Port = 1

Images:

99 % Bandwidth



Modulation: 802.11ax20 OFDMA – RU Subcarrier allocation

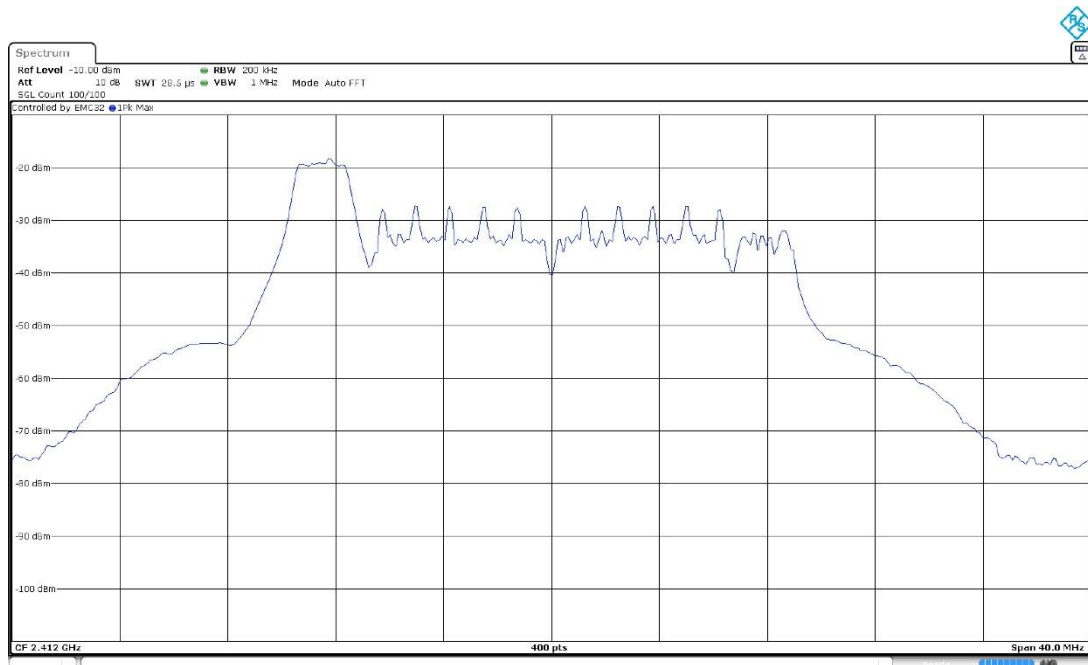
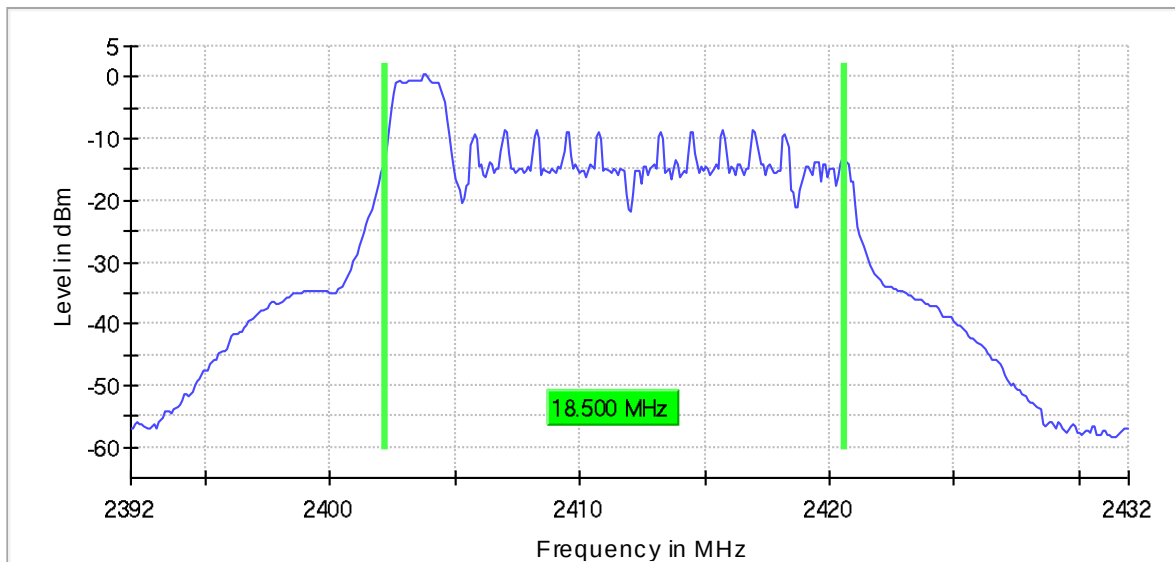
Equipment	BW (MHz)	Freq (MHz)	Port	Occ Ch BW (MHz)
Digital Transmission System (DTS)	20	2412.00000	1	18.500
		2437.00000		17.400
		2462.00000		18.500
		2472.00000		18.100

Attachments

Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM RU Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

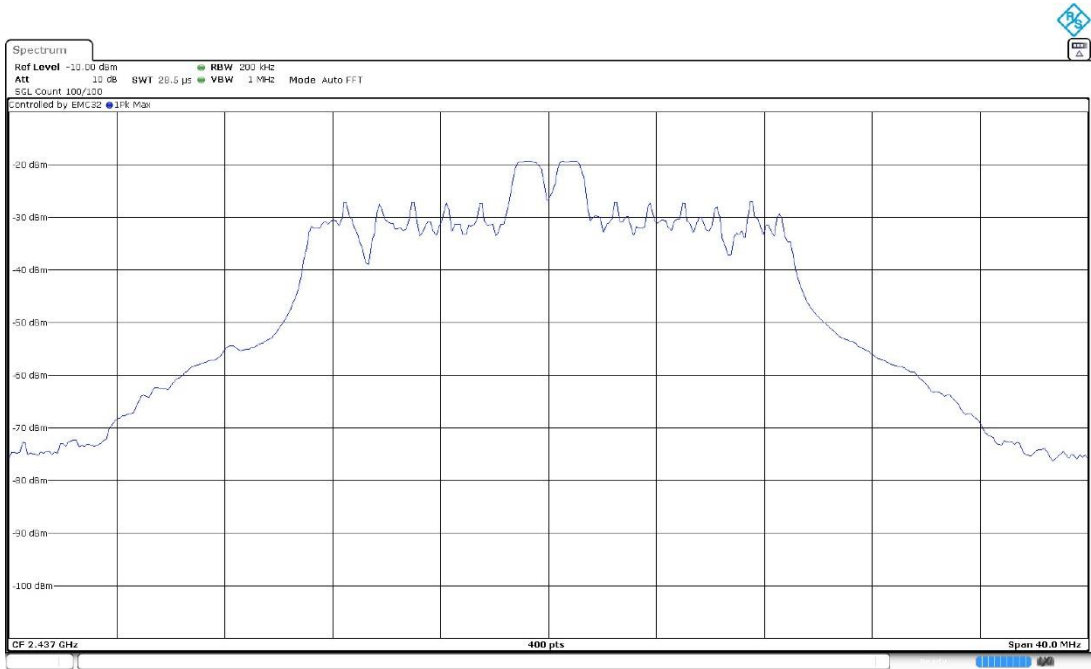
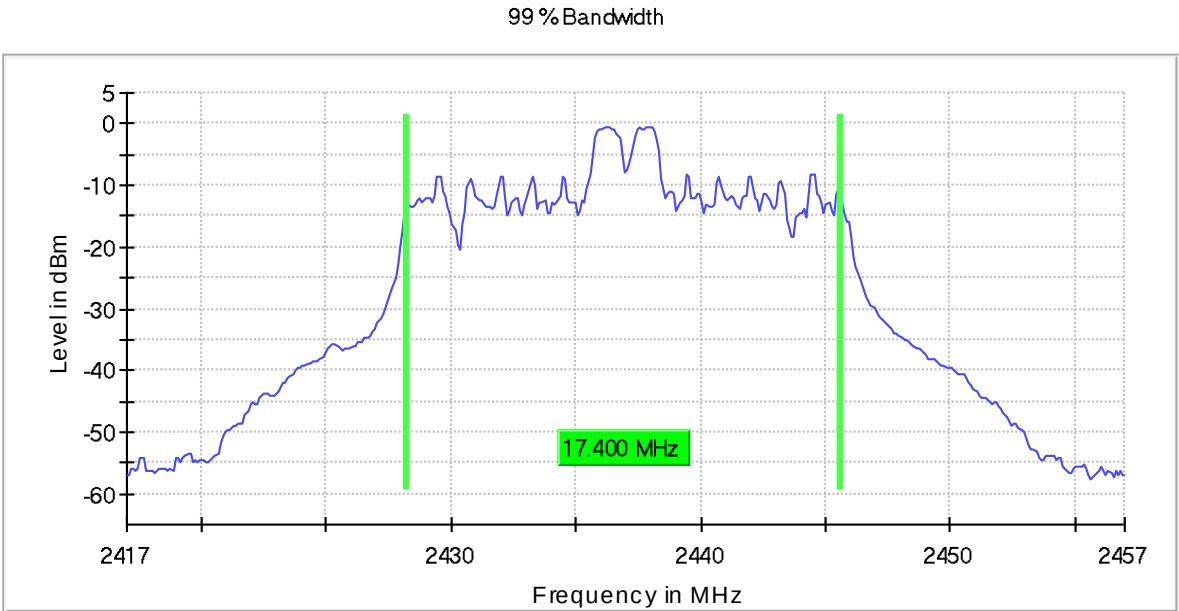
Images:

99 % Bandwidth



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM RU Frequency MHz = 2437.00000
MIMO Mode = SISO Active Port = 1

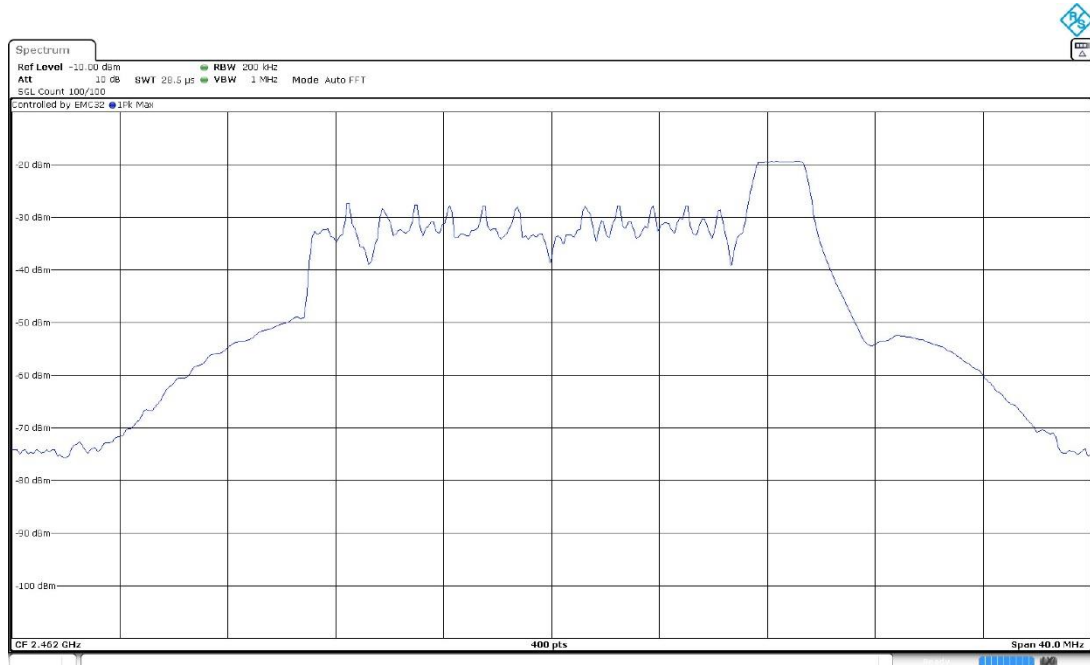
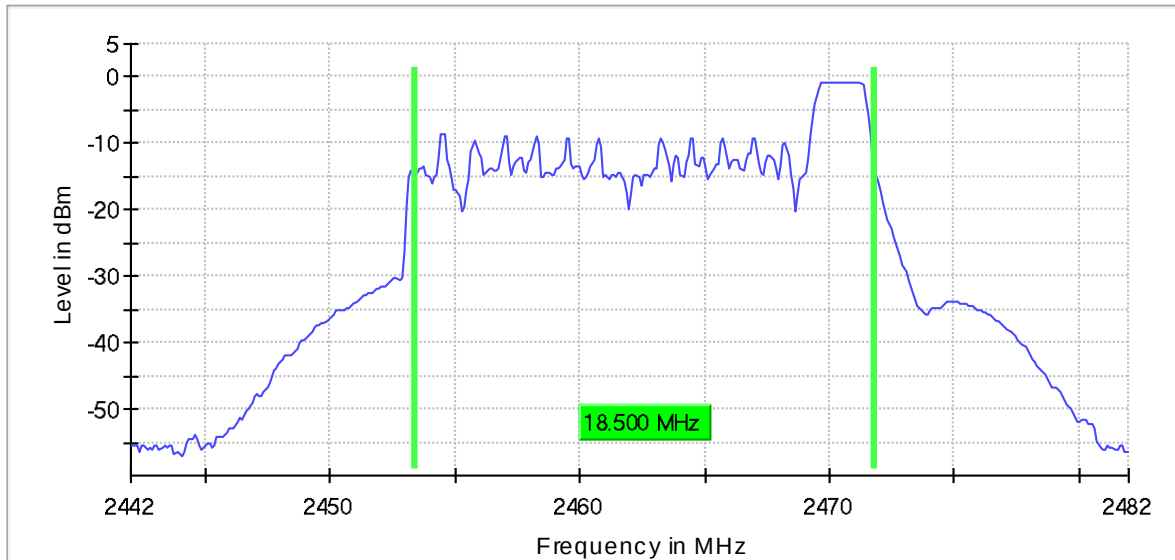
Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM RU Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

Images:

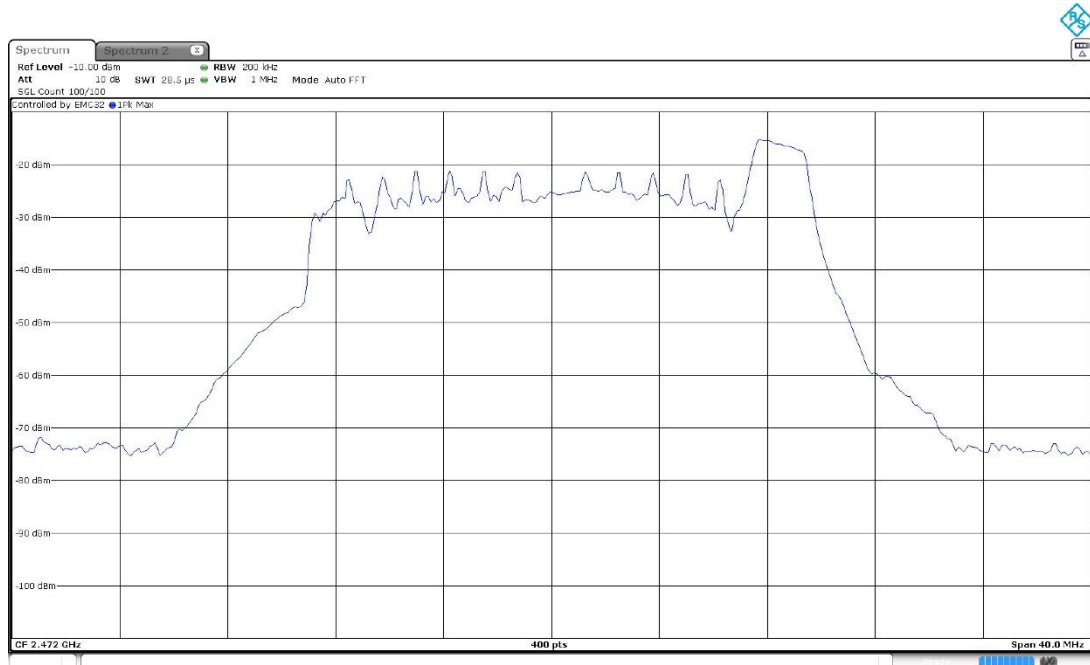
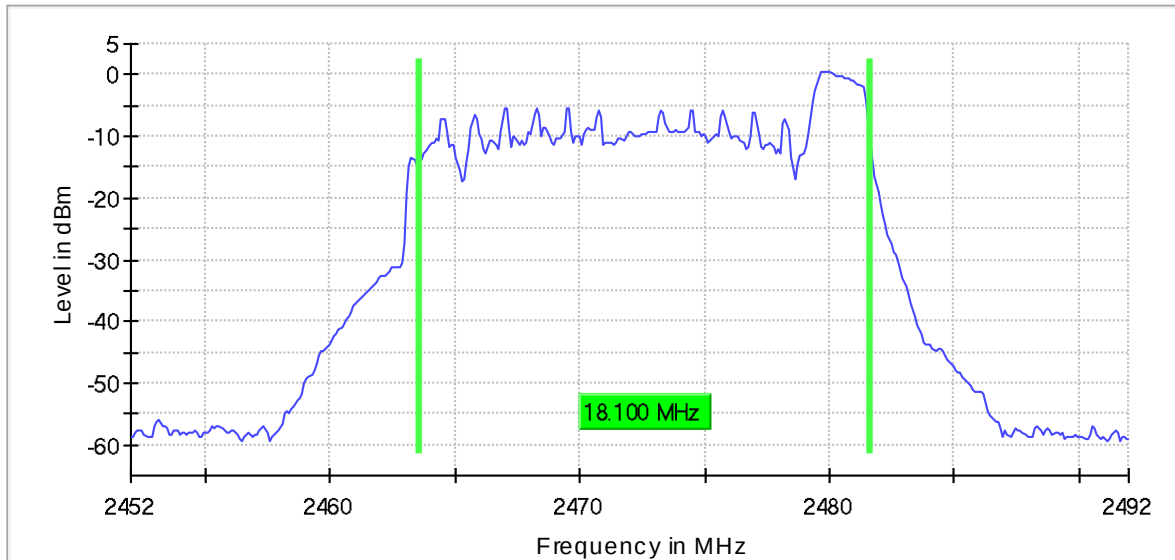
99 % Bandwidth



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM RU Frequency MHz = 2472.00000
MIMO Mode = SISO Active Port = 1

Images:

99 % Bandwidth



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

Limits

The minimum 6 dB bandwidth shall be at least 500 kHz.

Results

Modulation: 802.11b (DSSS 1 Mbit/s)

BW (MHz)	Freq (MHz)	Port	Ebw (MHz)
20	2412.00000	1	8.150
	2437.00000		7.550
	2462.00000		7.250
	2467.00000		8.150
	2472.00000		7.700

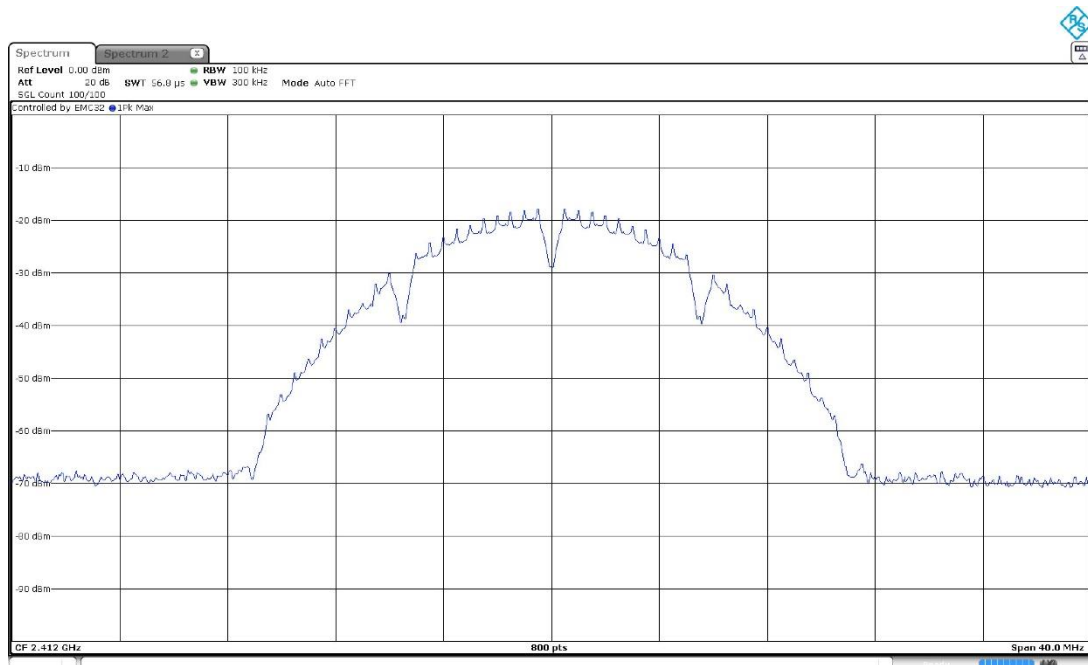
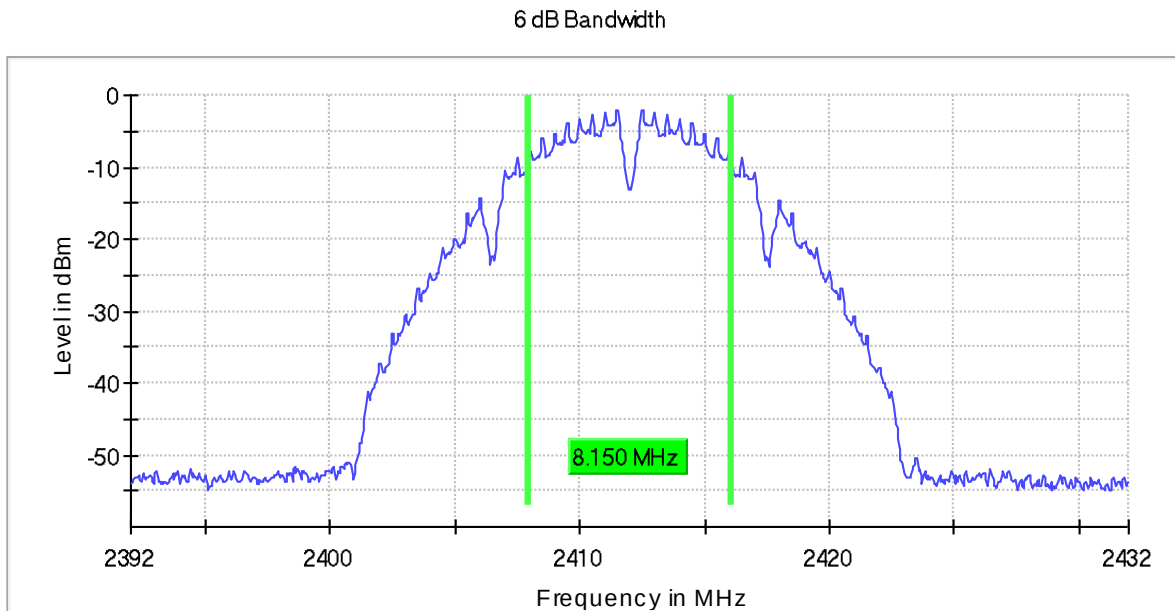
Verdict

Pass

Attachments

Bandwidth MHz = 20 Modulation = 802.11b (DSSS 1 Mbit/s)
 Frequency MHz = 2412.00000 MIMO Mode = SISO
 Active Port = 1

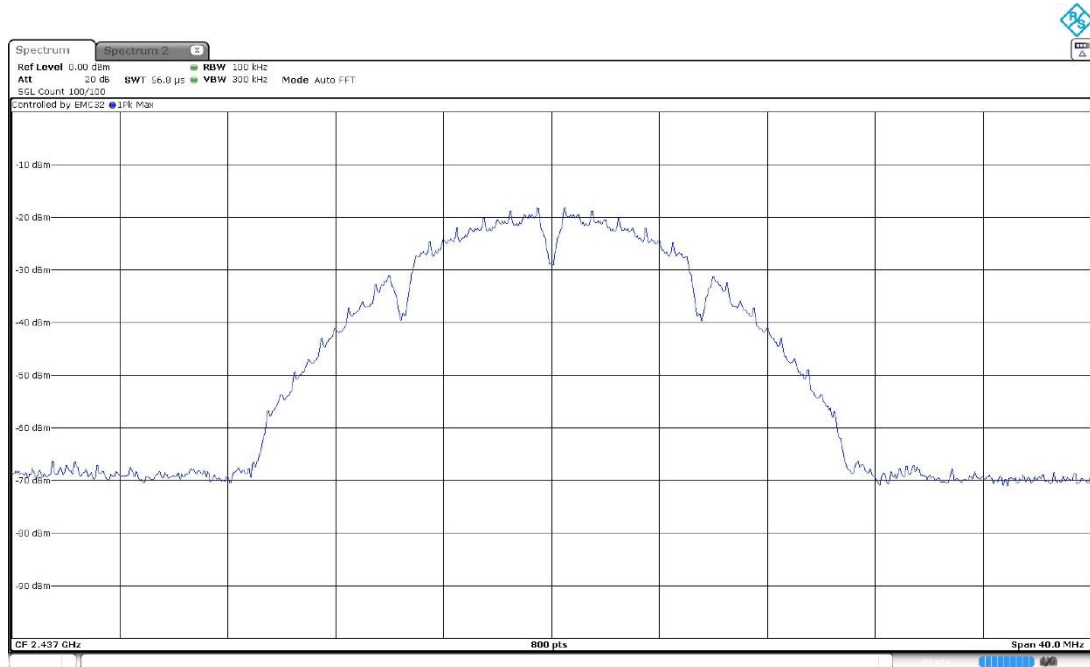
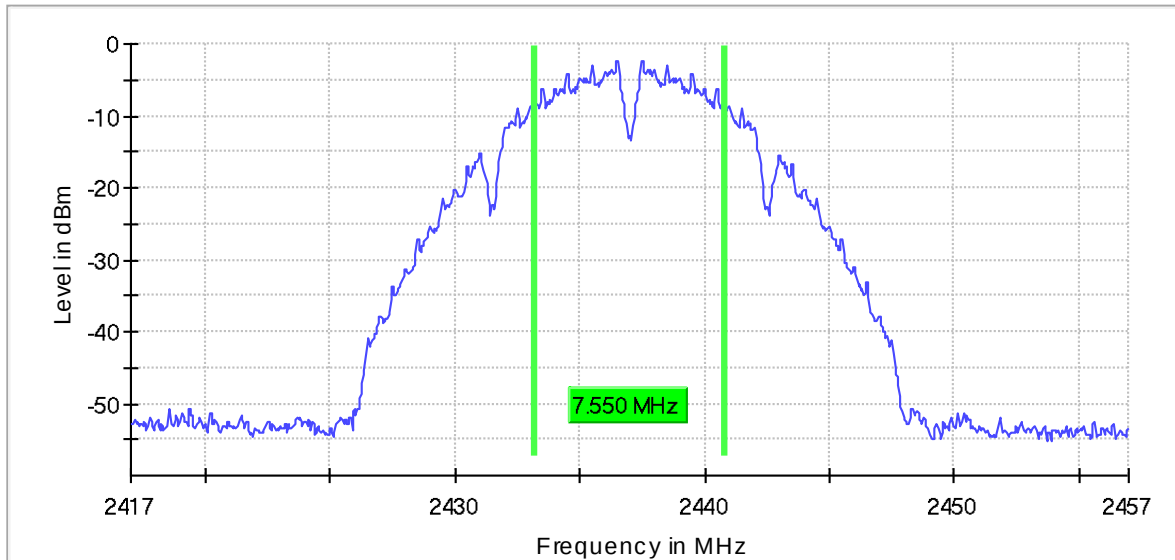
Images:



Bandwidth MHz = 20 Modulation = 802.11b (DSSS 1 Mbit/s)
Frequency MHz = 2437.00000 MIMO Mode = SISO
Active Port = 1

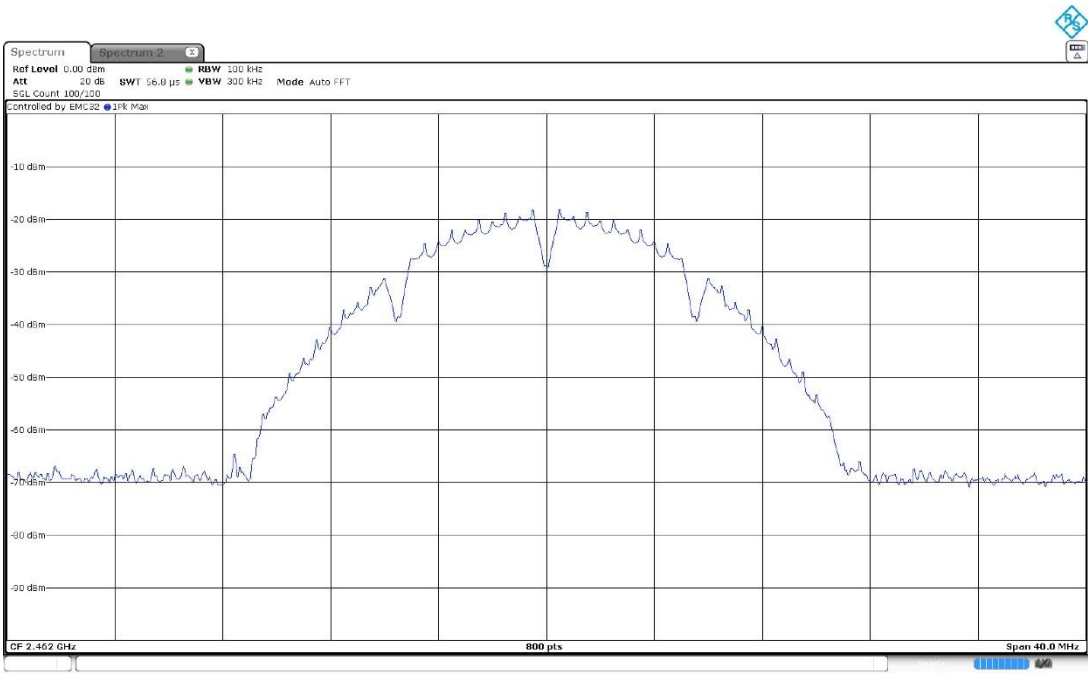
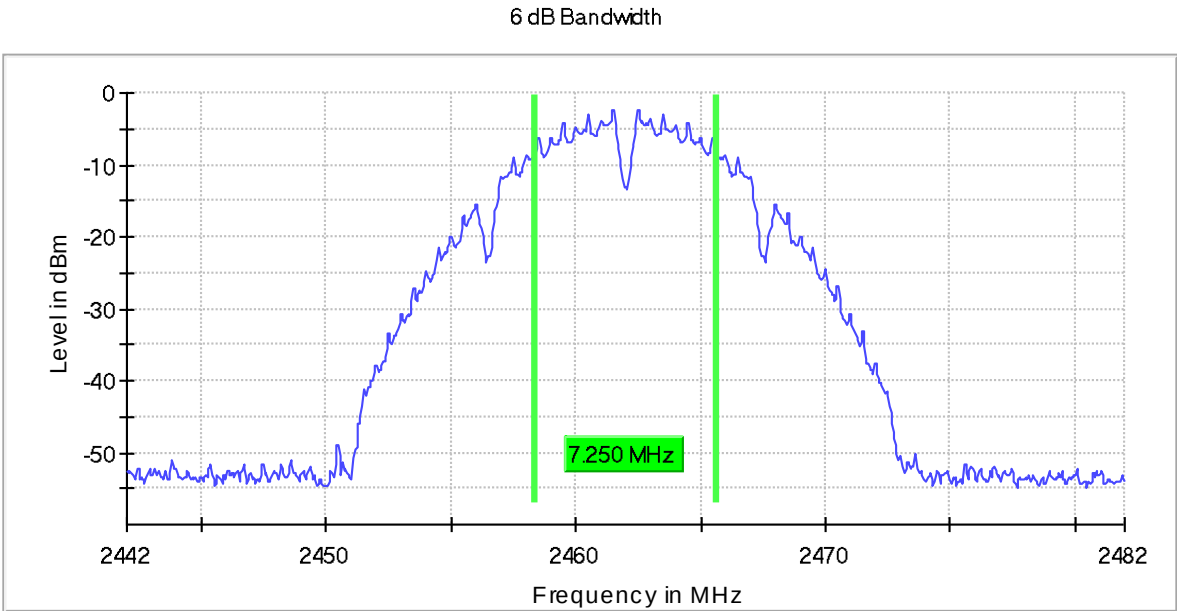
Images:

6 dB Bandwidth



Bandwidth MHz = 20 Modulation = 802.11b (DSSS 1 Mbit/s)
Frequency MHz = 2462.00000 MIMO Mode = SISO
Active Port = 1

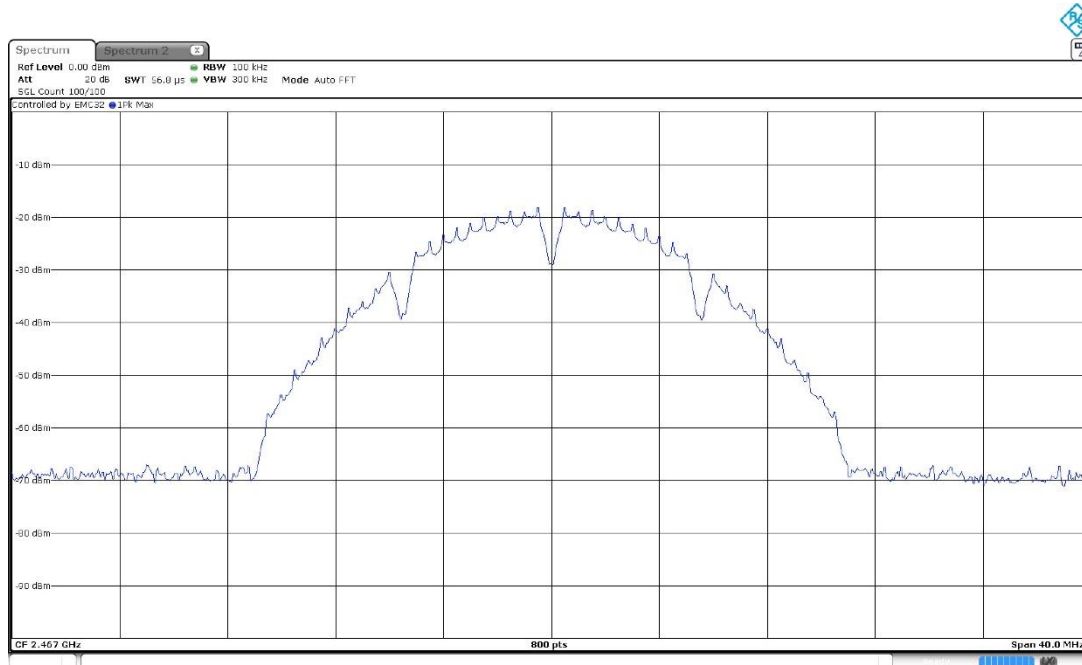
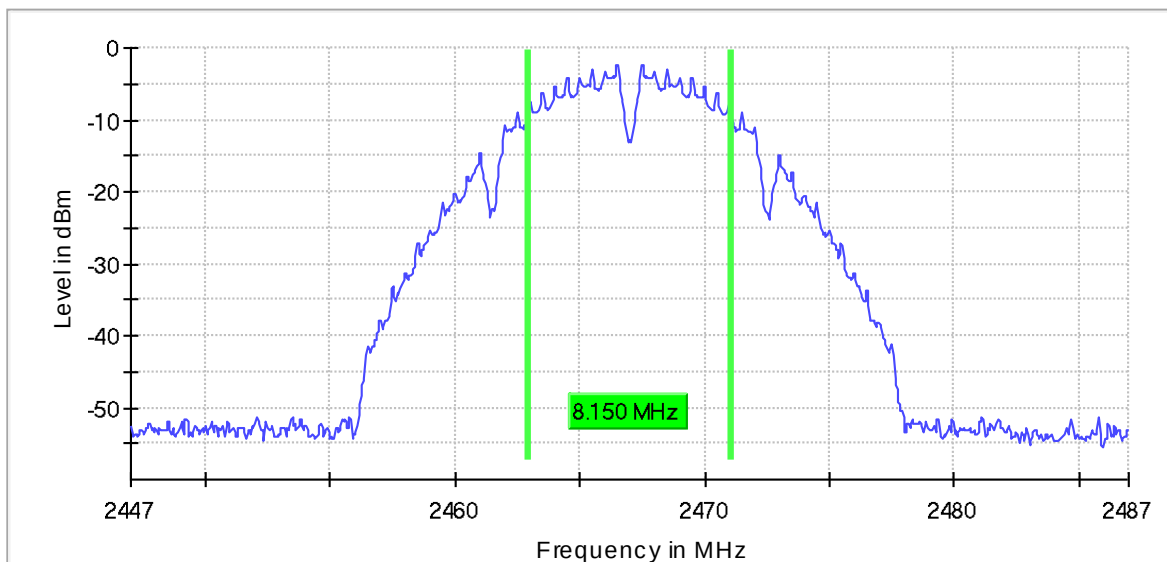
Images:



Bandwidth MHz = 20 Modulation = 802.11b (DSSS 1 Mbit/s)
Frequency MHz = 2467.00000 MIMO Mode = SISO
Active Port = 1

Images:

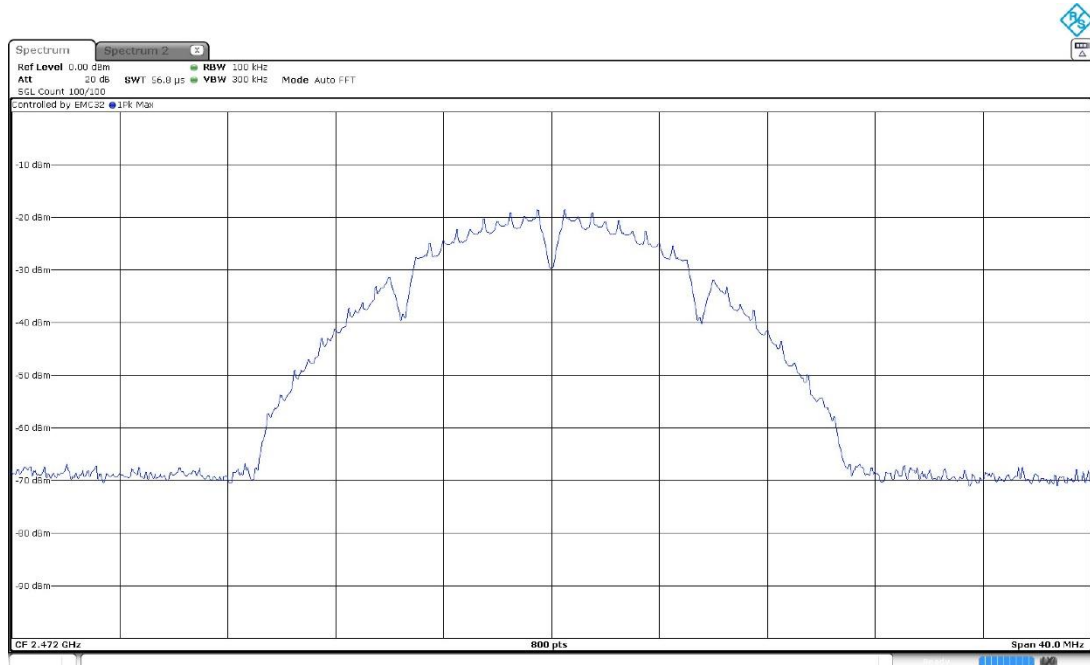
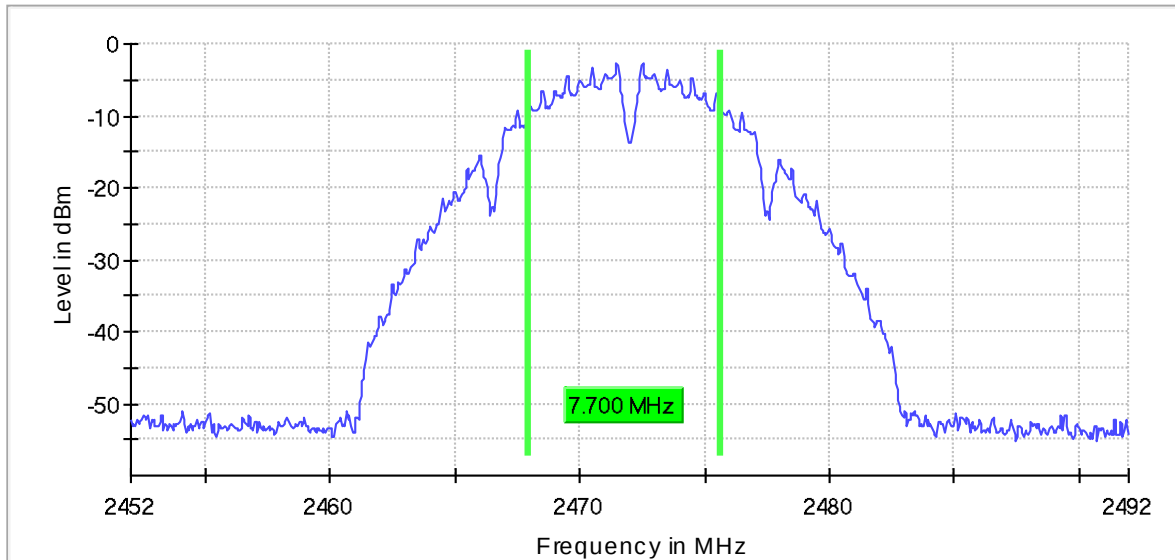
6 dB Bandwidth



Bandwidth MHz = 20 Modulation = 802.11b (DSSS 1 Mbit/s)
Frequency MHz = 2472.00000 MIMO Mode = SISO
Active Port = 1

Images:

6 dB Bandwidth



Results

Modulation: 802.11g (OFDM 6 Mbit/s)

BW (MHz)	Freq (MHz)	Port	Ebw (MHz)
20	2412.00000	1	16.350
	2437.00000		16.350
	2462.00000		16.400
	2467.00000		16.350
	2472.00000		15.850

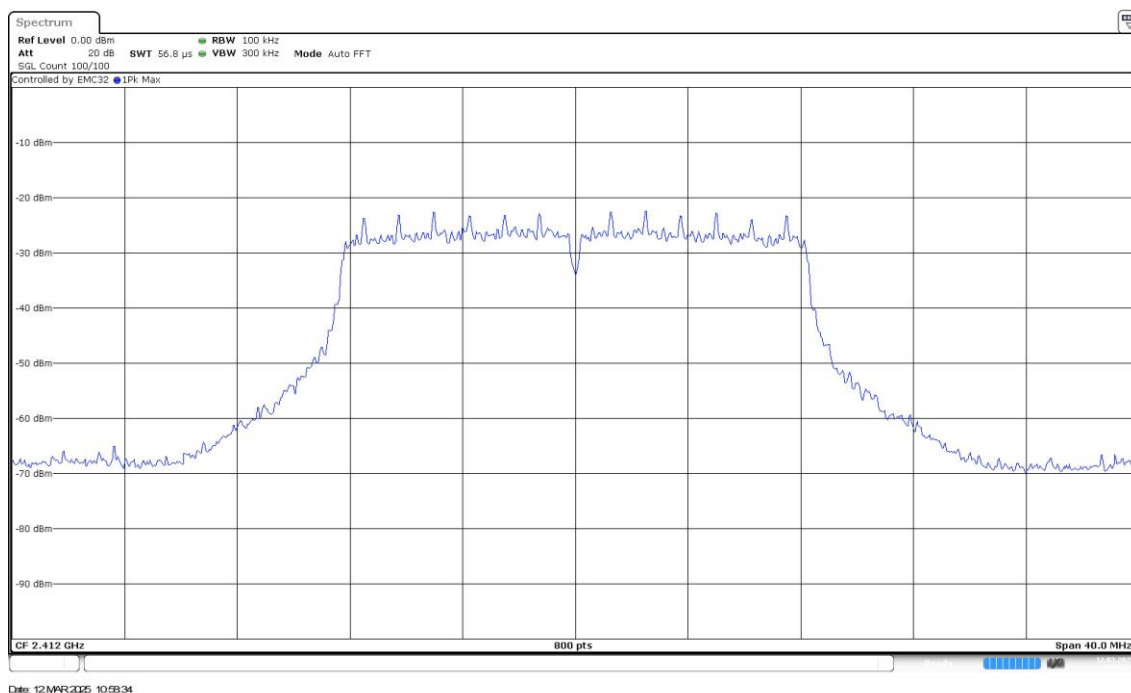
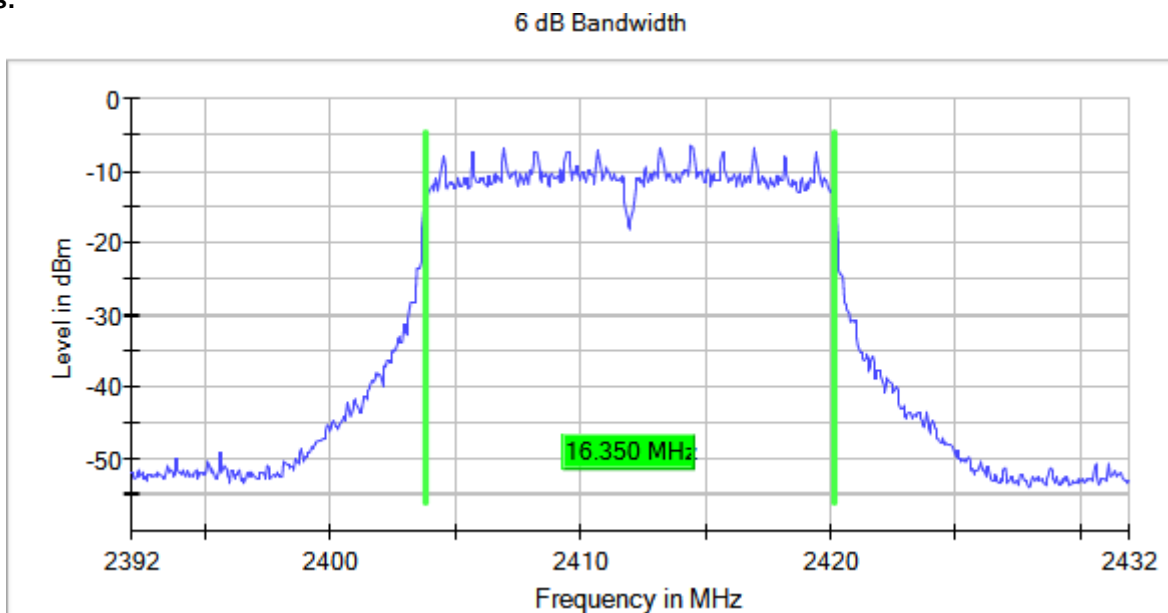
Verdict

Pass

Attachments

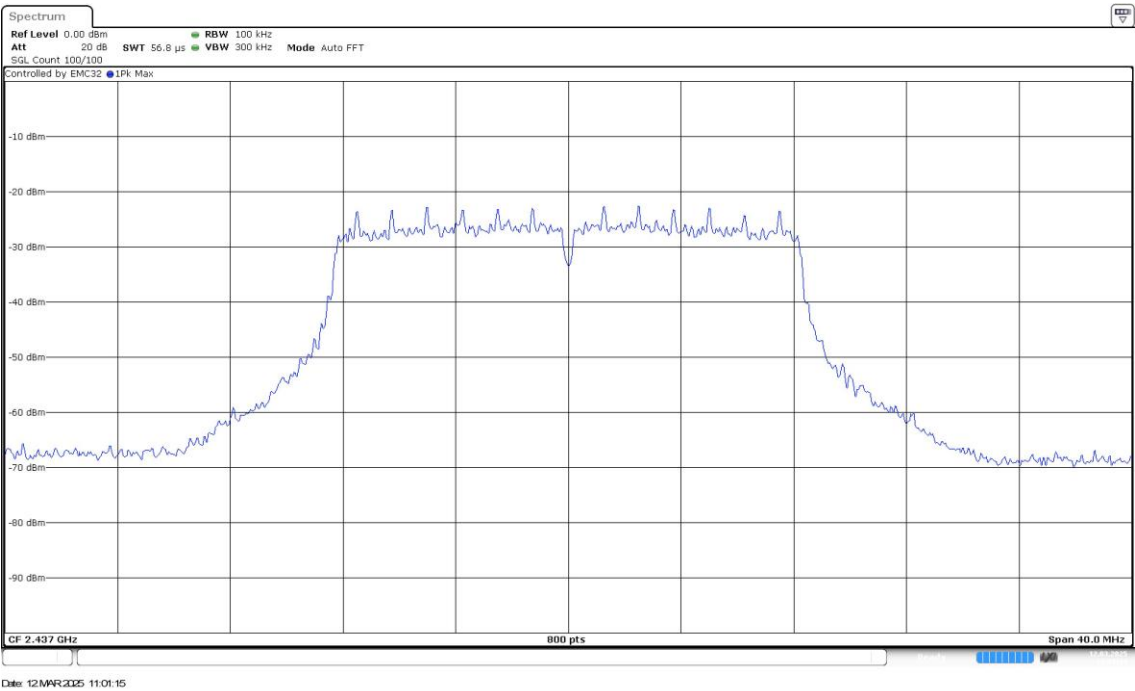
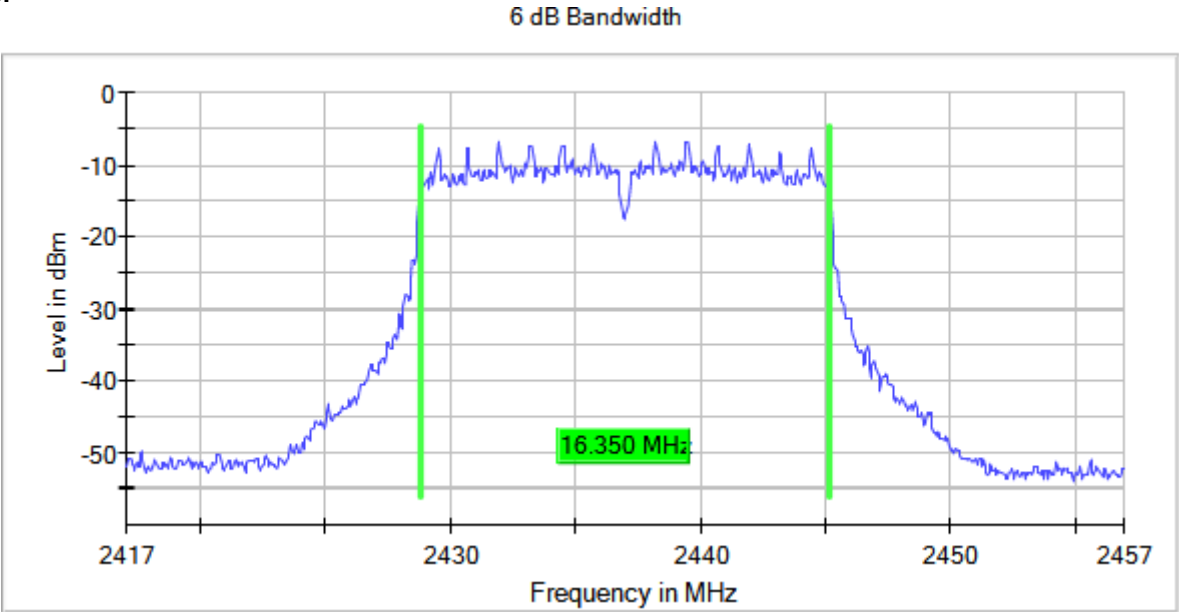
Bandwidth MHz = 20 Modulation = 802.11g (OFDM 6 Mbit/s)
Frequency MHz = 2412.00000 MIMO Mode = SISO
Active Port = 1

Images:



Bandwidth MHz = 20 Modulation = 802.11g (OFDM 6 Mbit/s)
Frequency MHz = 2437.00000 MIMO Mode = SISO
Active Port = 1

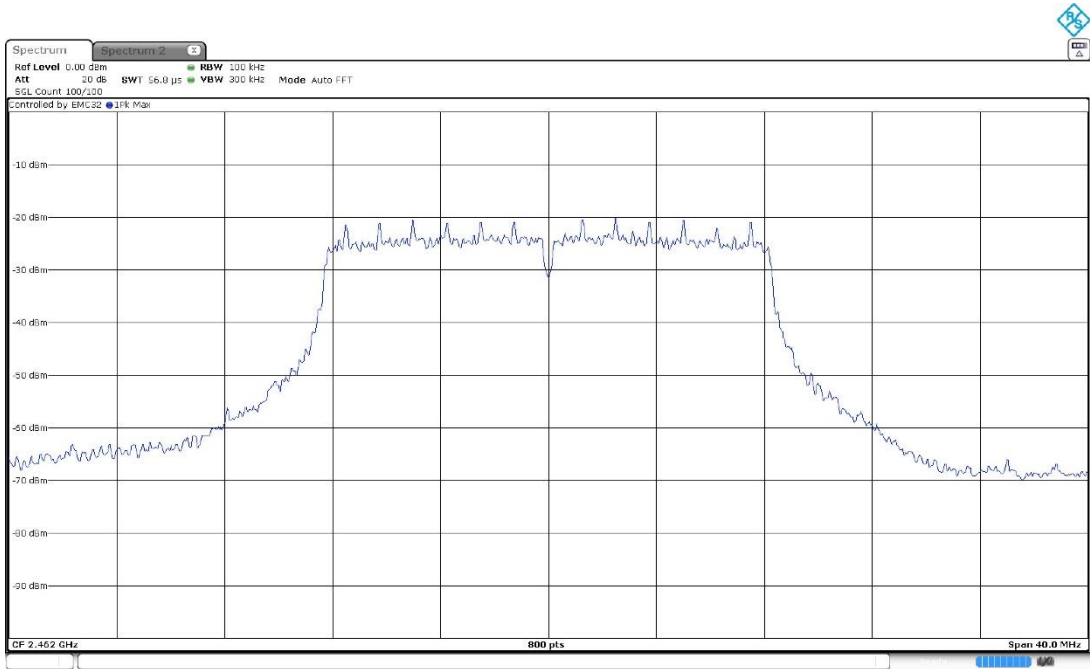
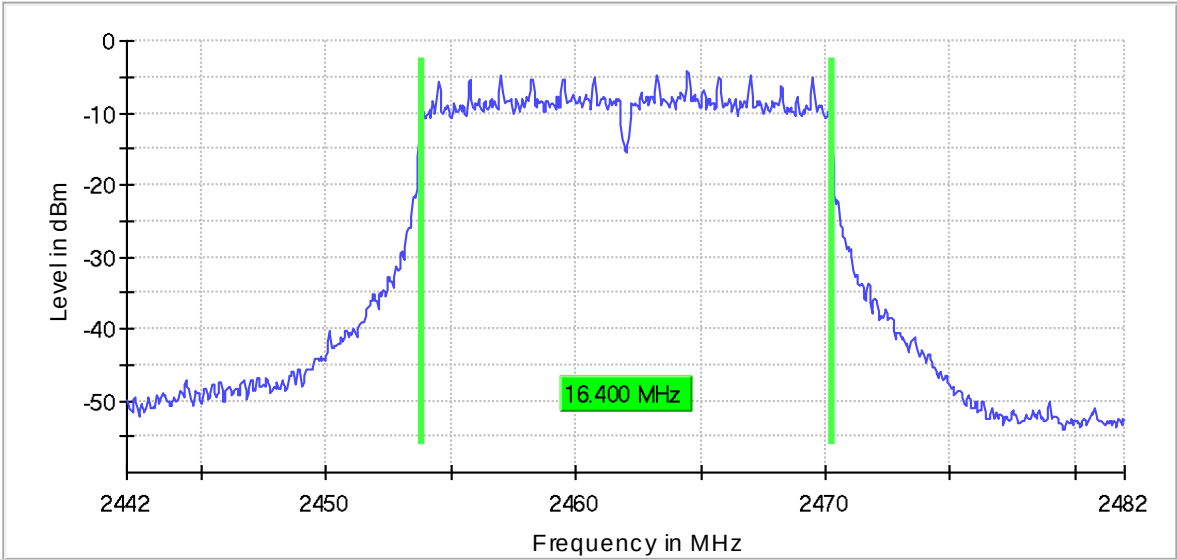
Images:



Bandwidth MHz = 20 Modulation = 802.11g (OFDM 6 Mbit/s)
Frequency MHz = 2462.00000 MIMO Mode = SISO
Active Port = 1

Images:

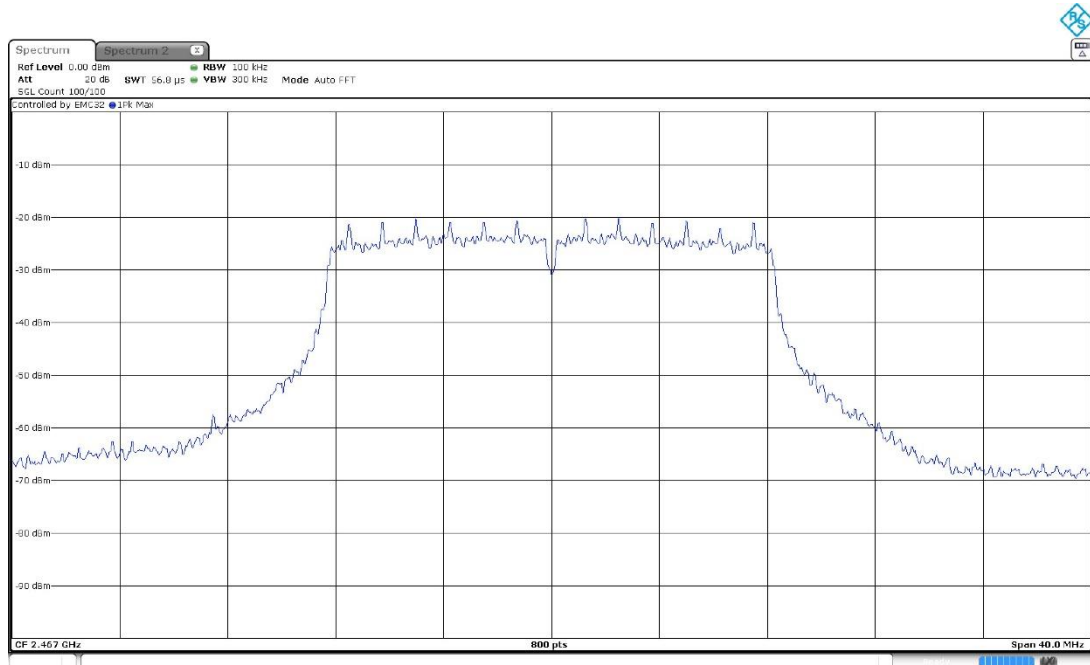
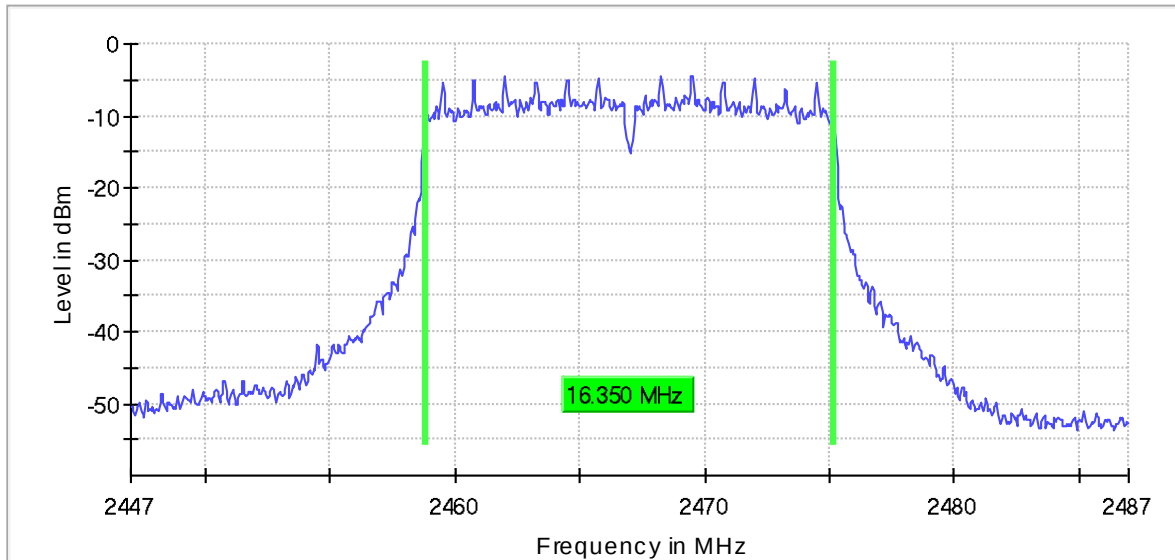
6 dB Bandwidth



Bandwidth MHz = 20 Modulation = 802.11g (OFDM 6 Mbit/s)
Frequency MHz = 2467.00000 MIMO Mode = SISO
Active Port = 1

Images:

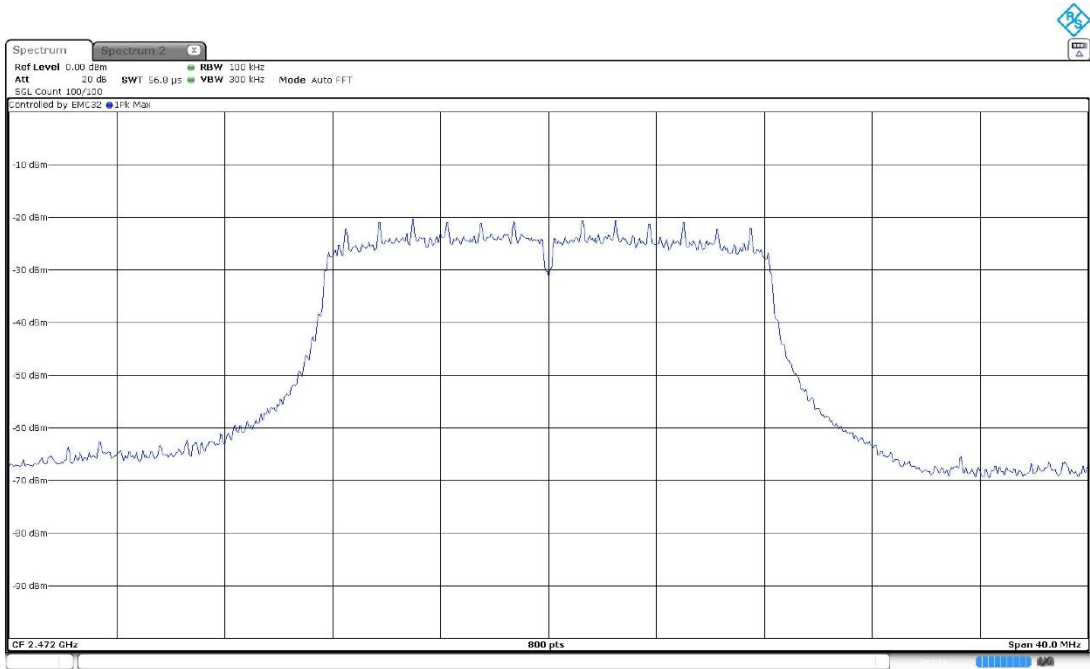
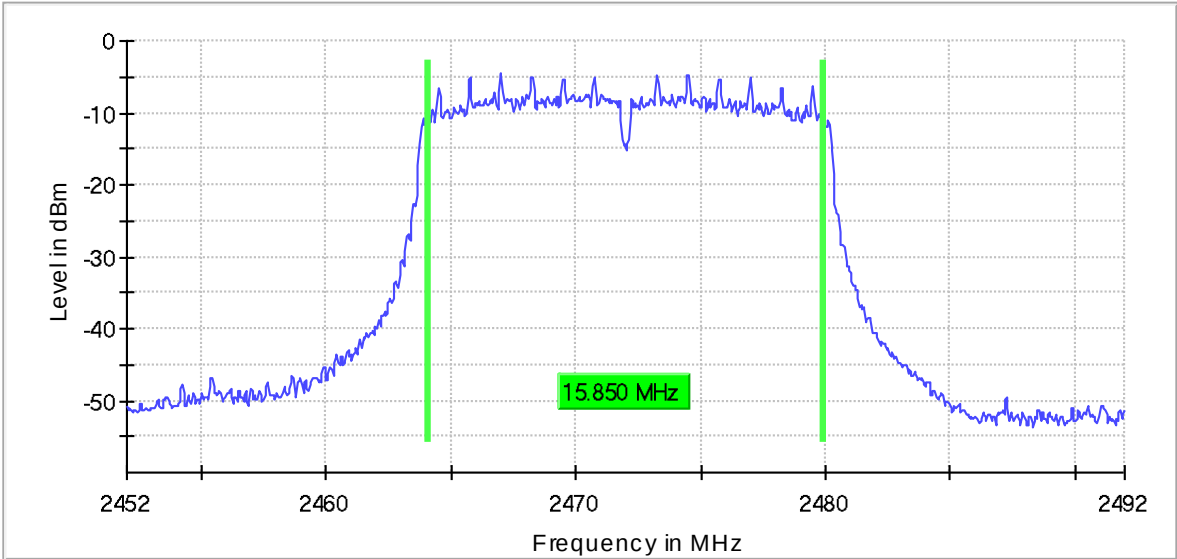
6 dB Bandwidth



Bandwidth MHz = 20 Modulation = 802.11g (OFDM 6 Mbit/s)
Frequency MHz = 2472.00000 MIMO Mode = SISO
Active Port = 1

Images:

6 dB Bandwidth



Results

Modulation: 802.11n HT20 (OFDM MCS0)

BW (MHz)	Freq (MHz)	Port	Ebw (MHz)
20	2412.00000	1	17.650
	2437.00000		17.650
	2462.00000		17.500
	2467.00000		17.500
	2472.00000		16.650

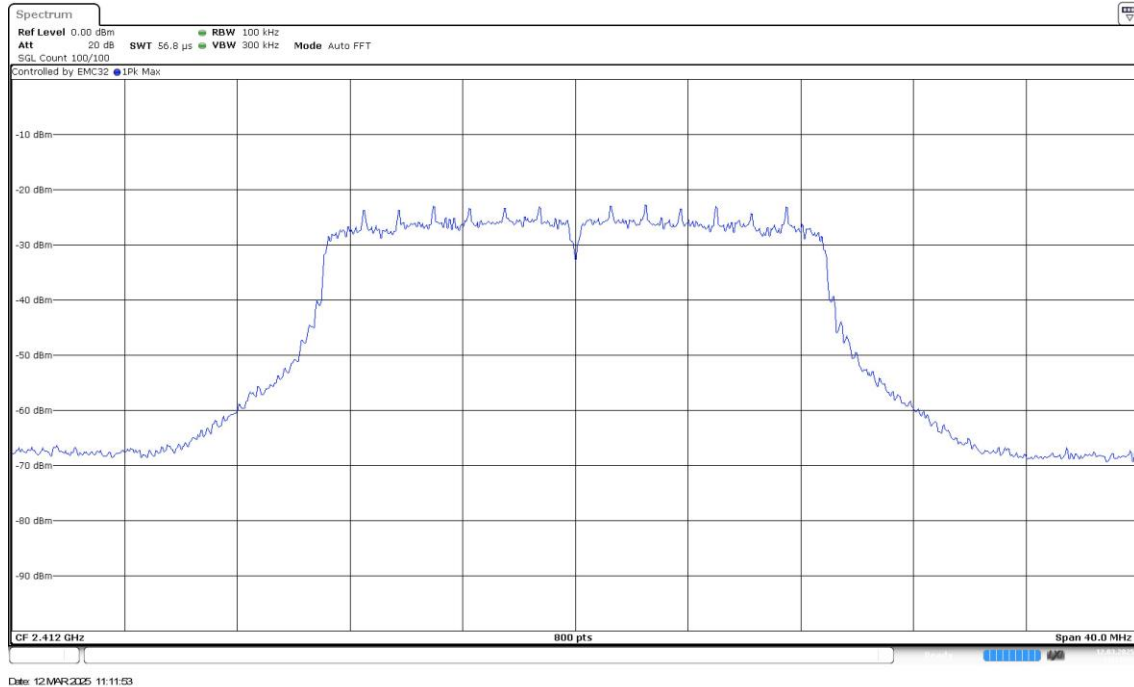
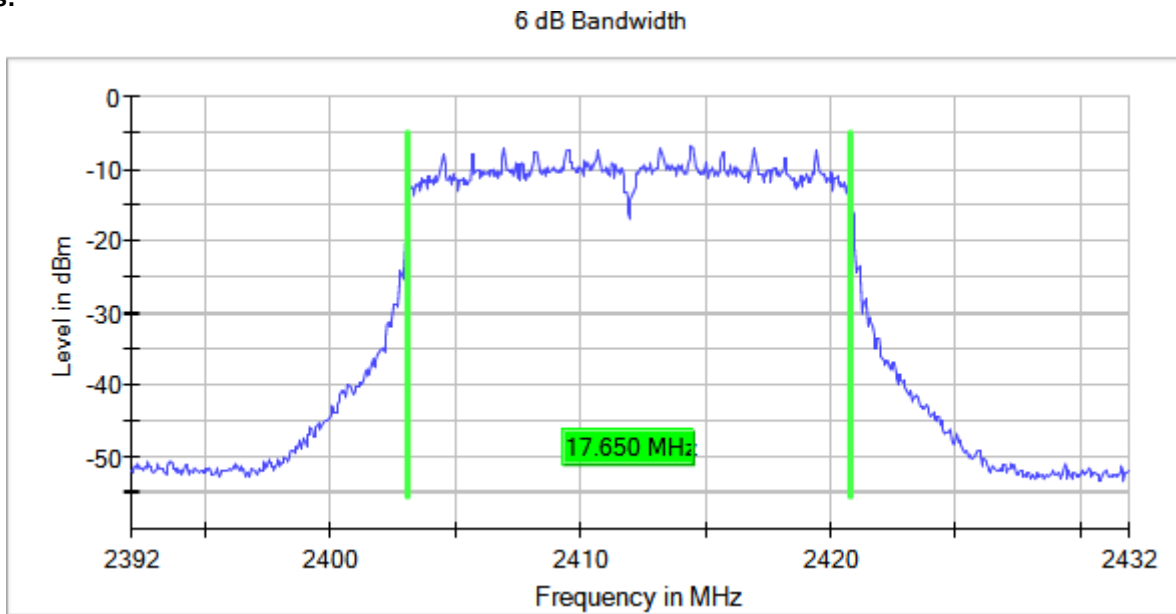
Verdict

Pass

Attachments

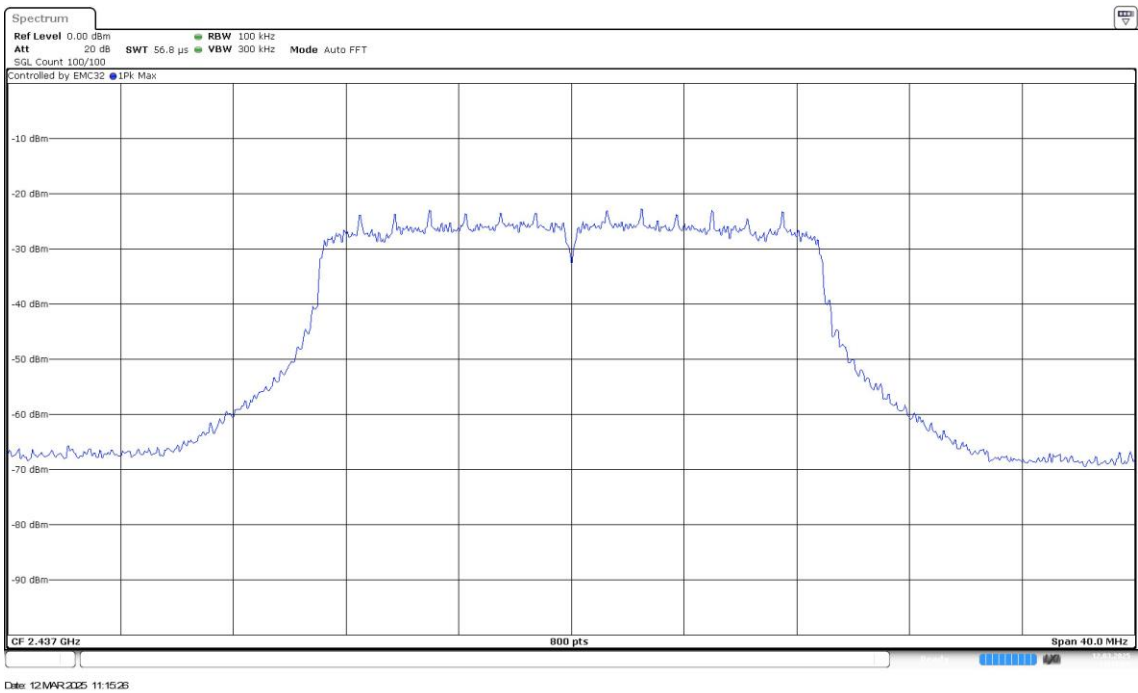
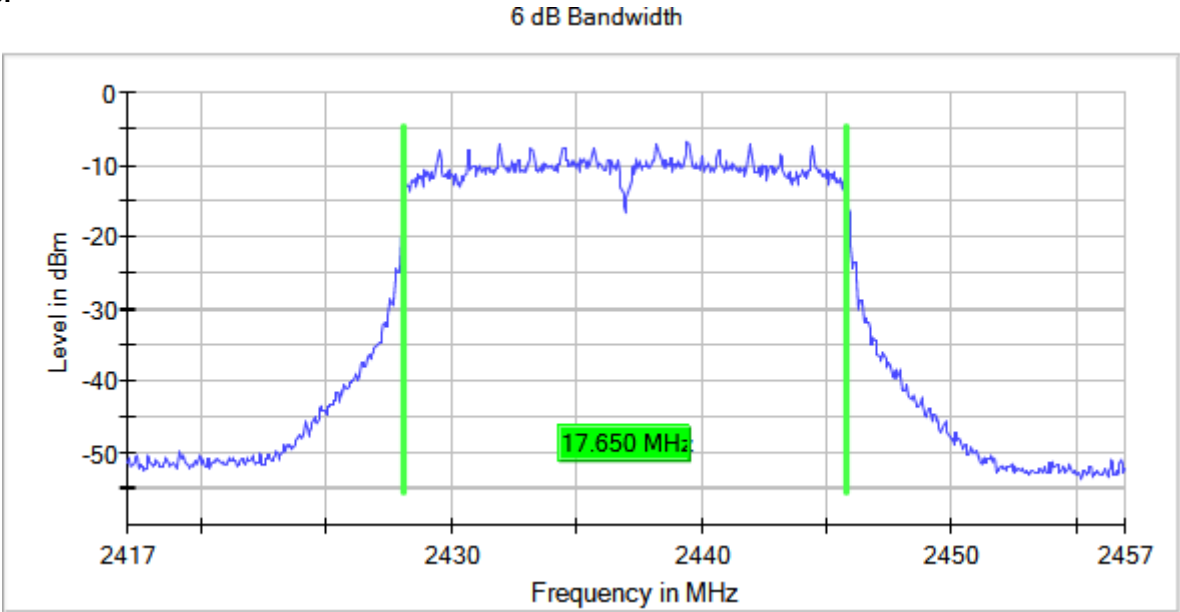
Bandwidth MHz = 20 Modulation = 802.11n HT20 (OFDM MCS0)
 Frequency MHz = 2412.00000 MIMO Mode = SISO
 Active Port = 1

Images:



Bandwidth MHz = 20 Modulation = 802.11n HT20 (OFDM MCS0)
Frequency MHz = 2437.00000 MIMO Mode = SISO
Active Port = 1

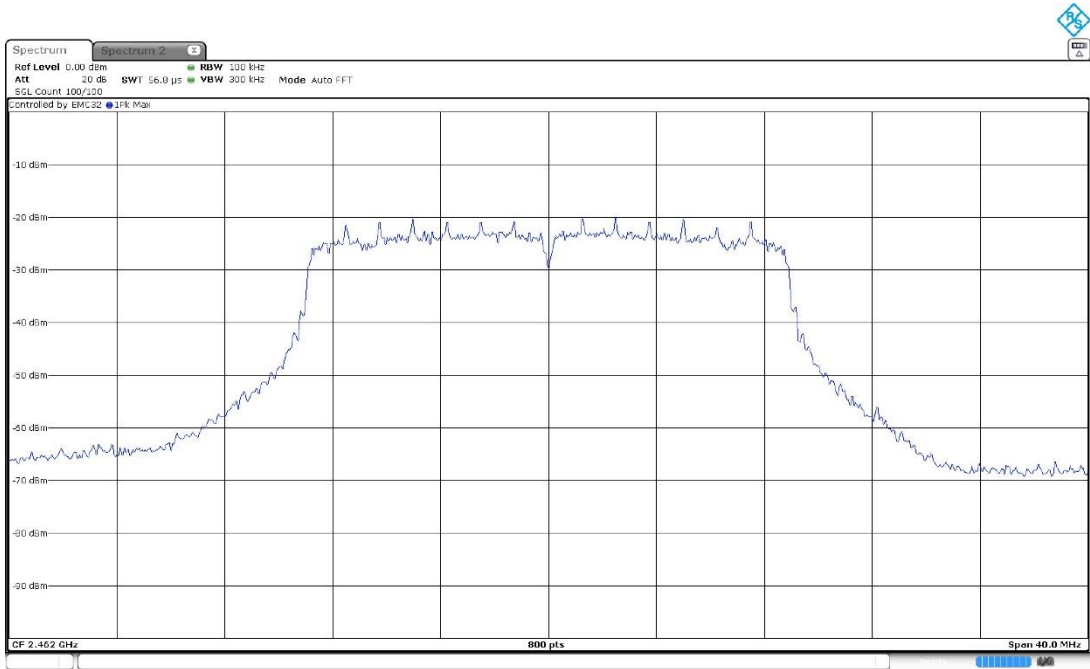
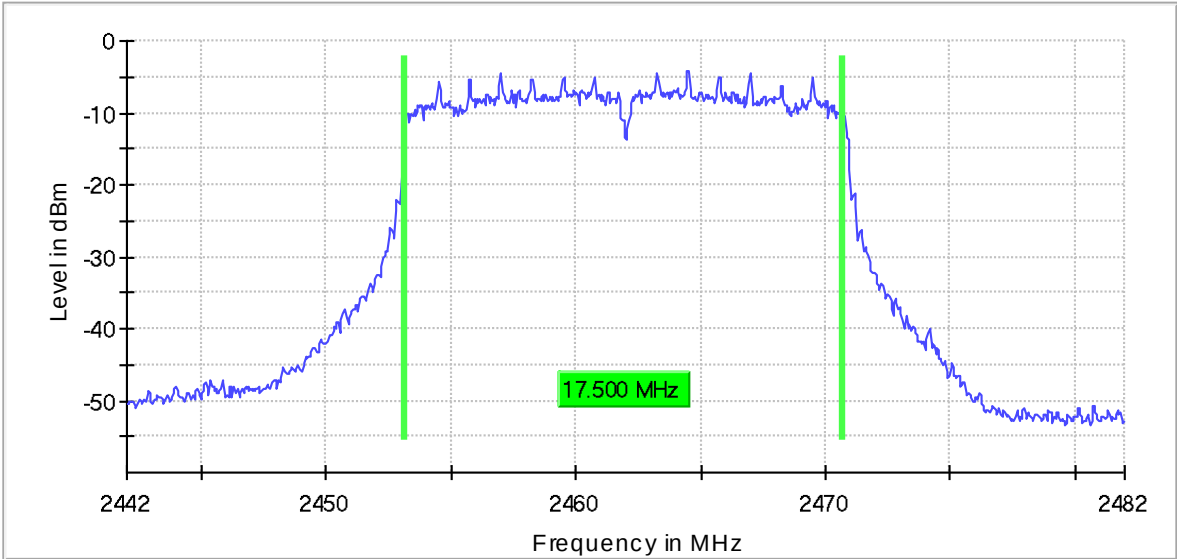
Images:



Bandwidth MHz = 20 Modulation = 802.11n HT20 (OFDM MCS0)
Frequency MHz = 2462.00000 MIMO Mode = SISO
Active Port = 1

Images:

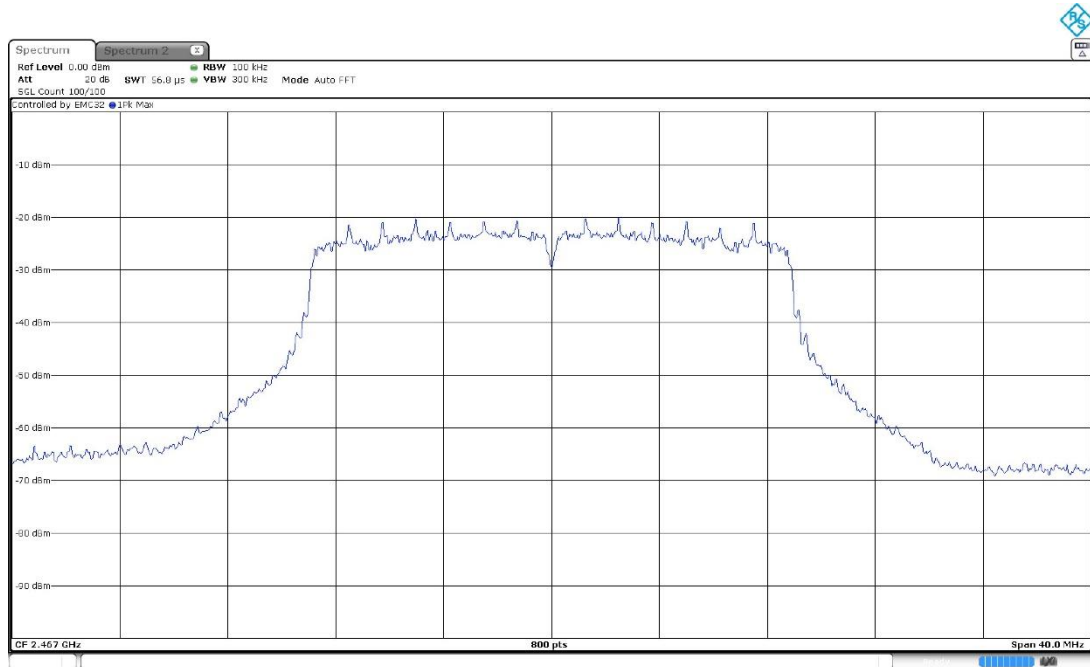
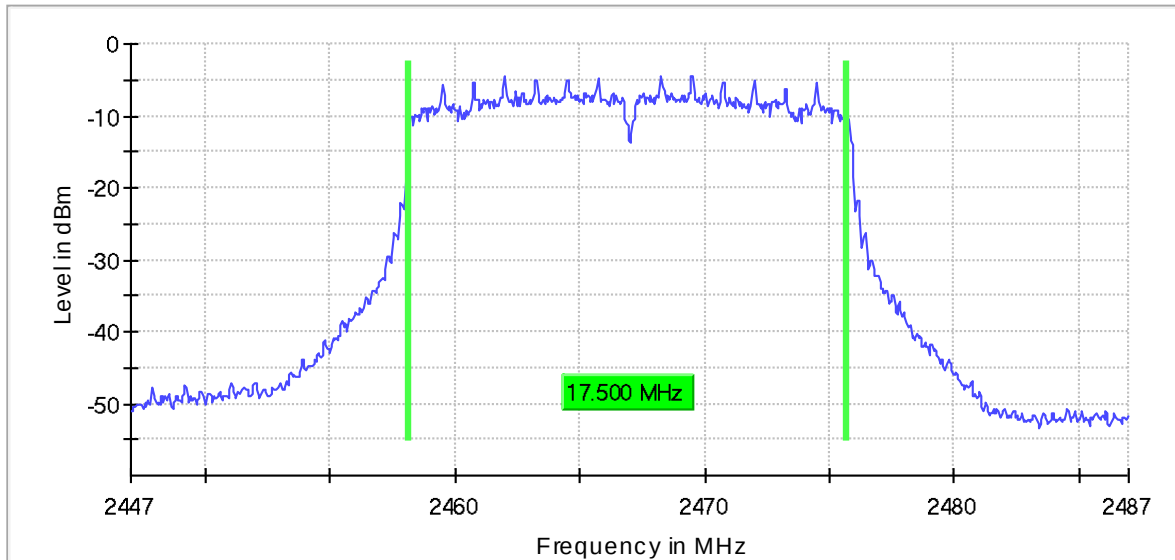
6 dB Bandwidth



Bandwidth MHz = 20 Modulation = 802.11n HT20 (OFDM MCS0)
Frequency MHz = 2467.00000 MIMO Mode = SISO
Active Port = 1

Images:

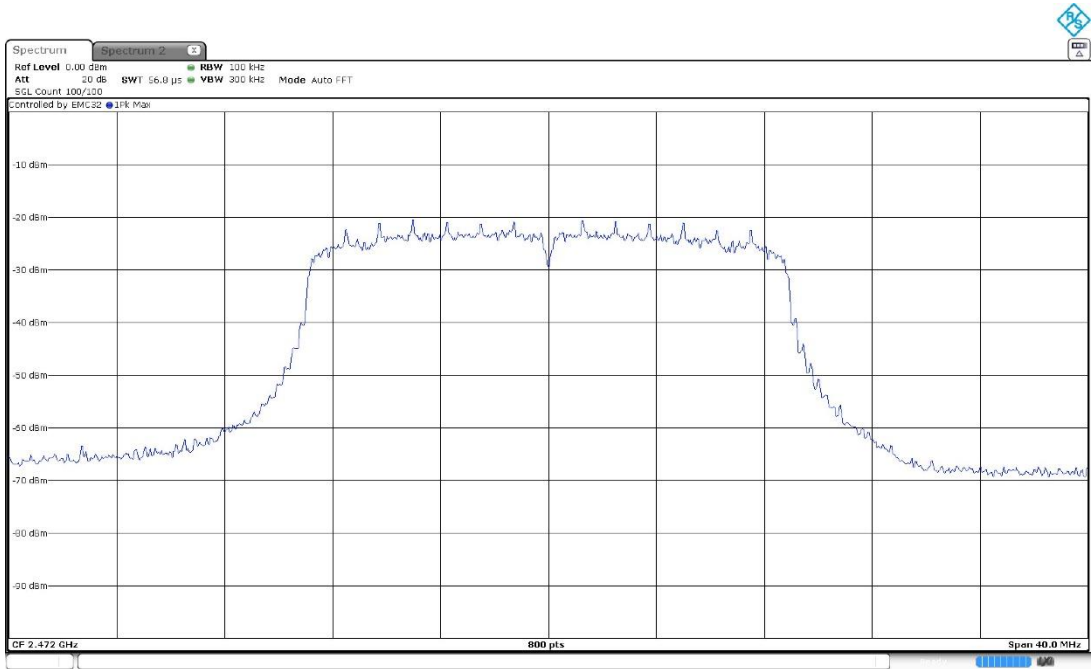
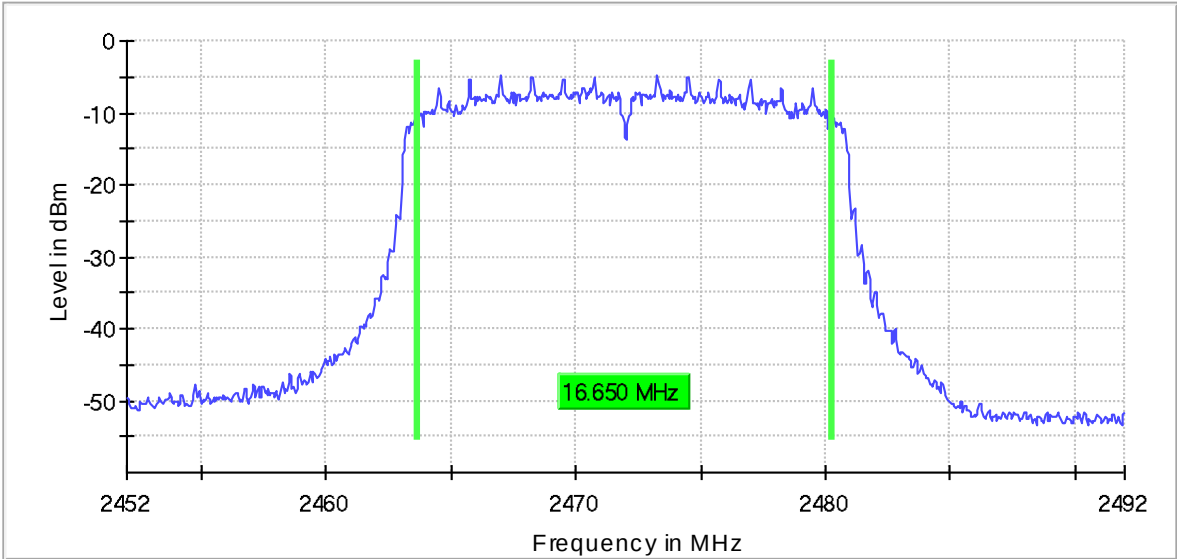
6 dB Bandwidth



Bandwidth MHz = 20 Modulation = 802.11n HT20 (OFDM MCS0)
Frequency MHz = 2472.00000 MIMO Mode = SISO
Active Port = 1

Images:

6 dB Bandwidth



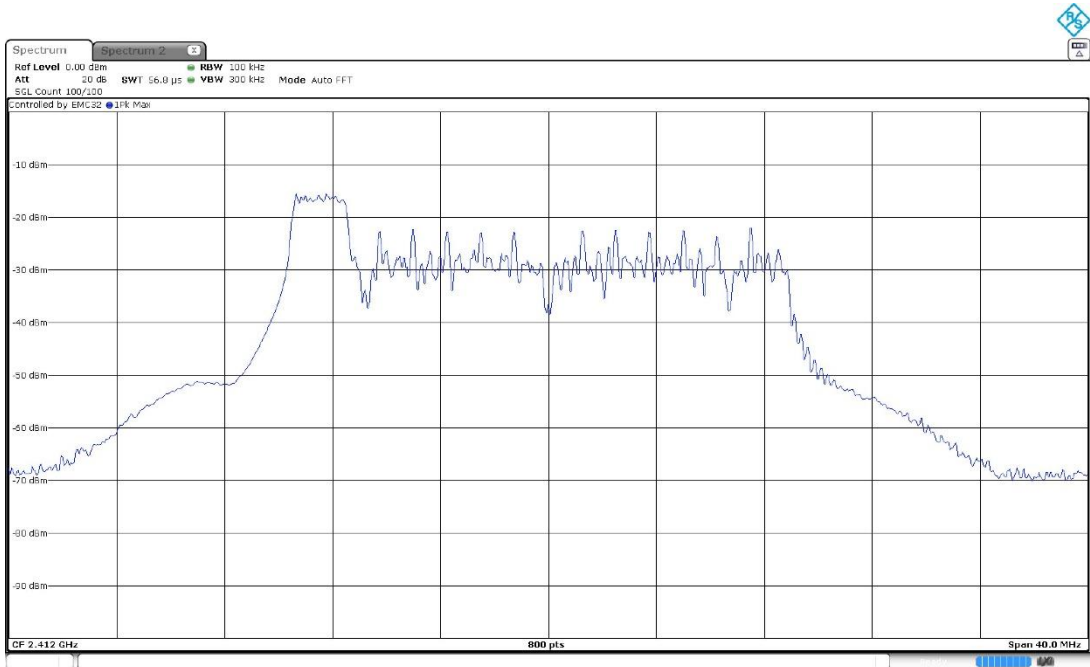
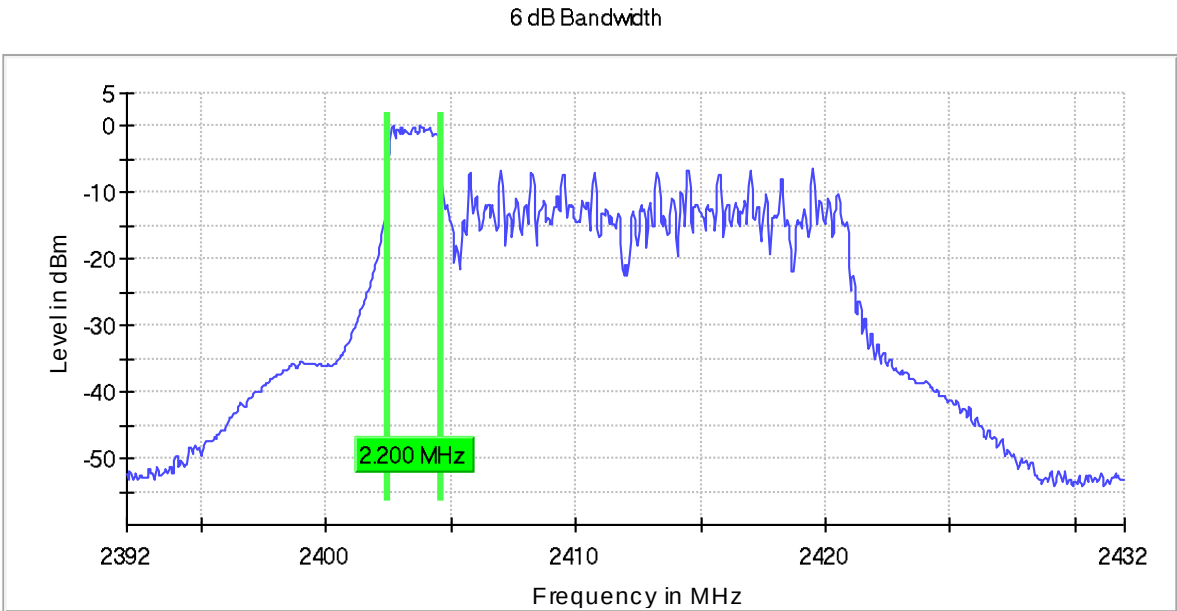
Modulation: 802.11ax20 OFDM – RU Subcarrier allocation

BW (MHz)	Freq (MHz)	Port	Ebw (MHz)
20	2412.00000	1	2.200
	2437.00000		2.750
	2462.00000		2.200
	2472.00000		14.550

Attachments

Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM RU Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

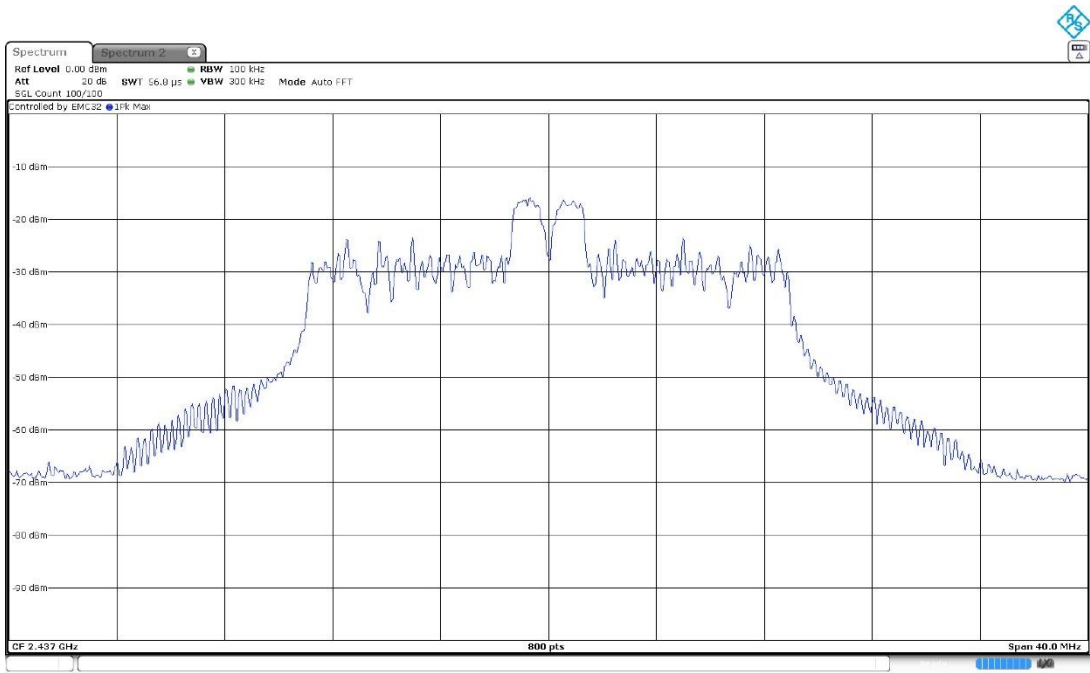
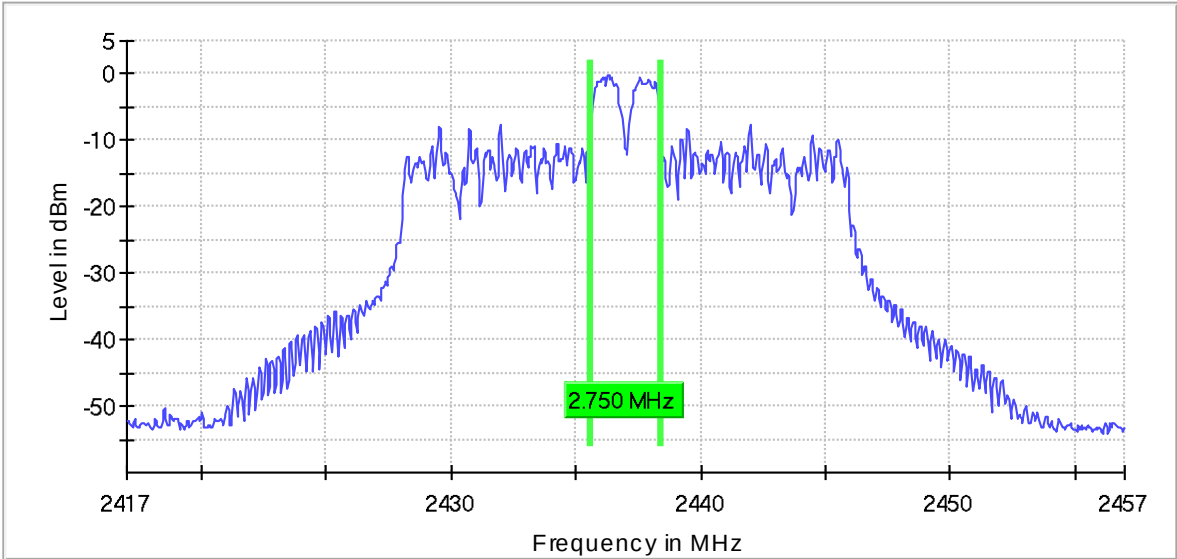
Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM RU Frequency MHz = 2437.00000
MIMO Mode = SISO Active Port = 1

Images:

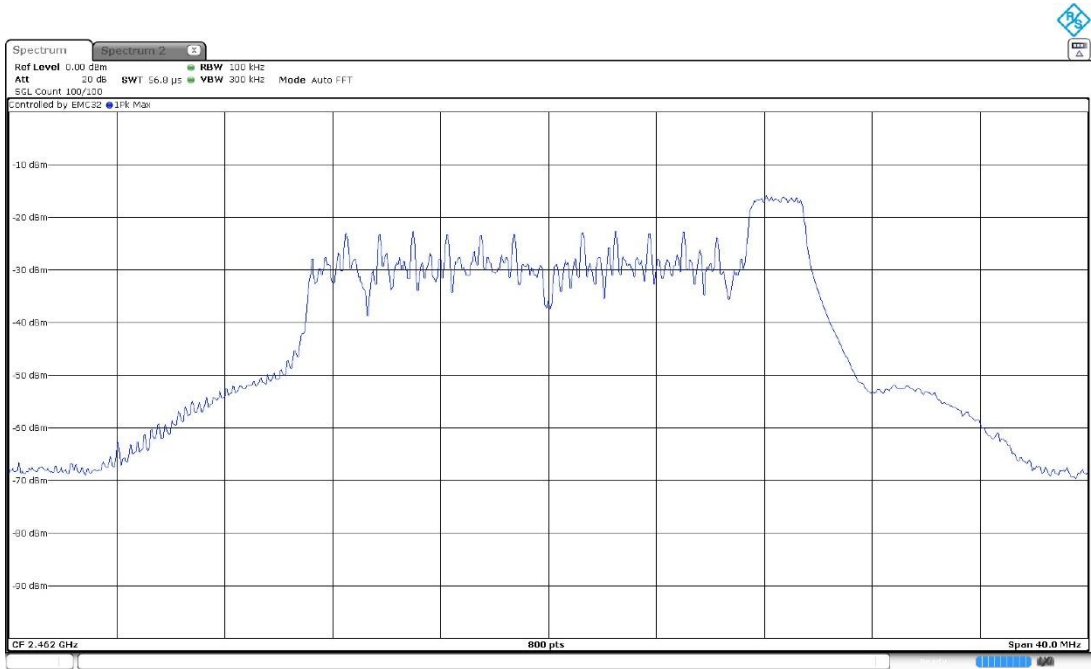
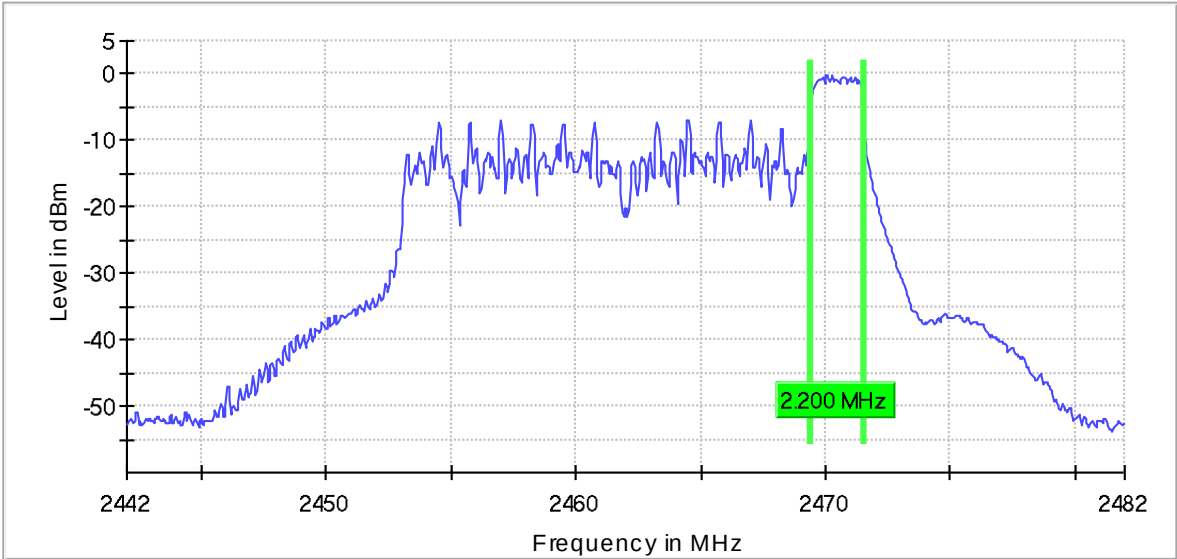
6 dB Bandwidth



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM RU Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

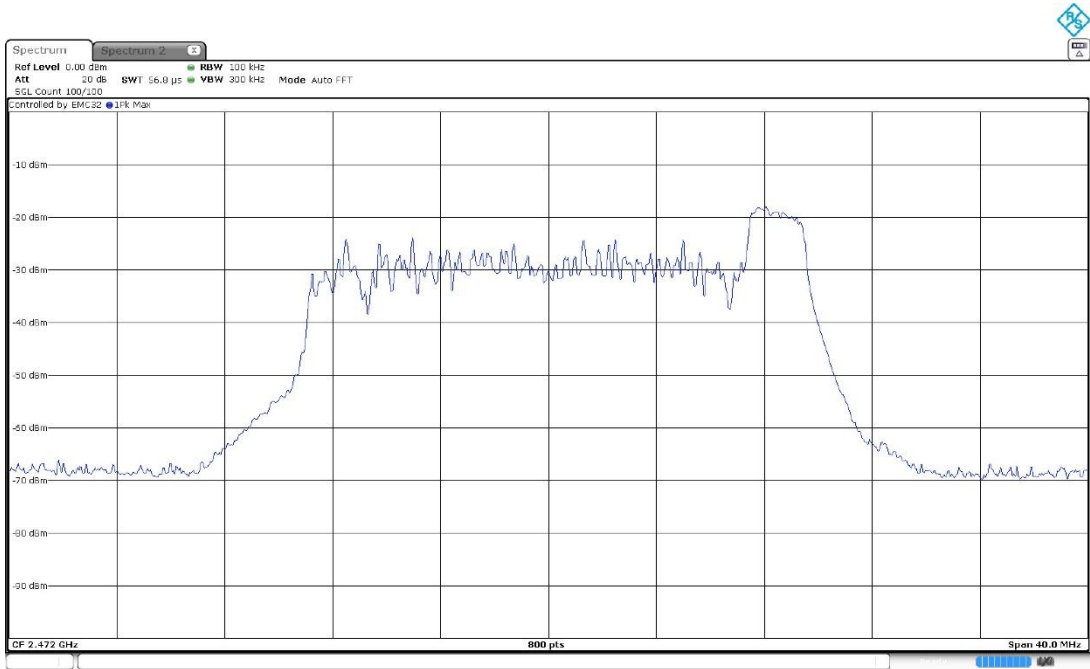
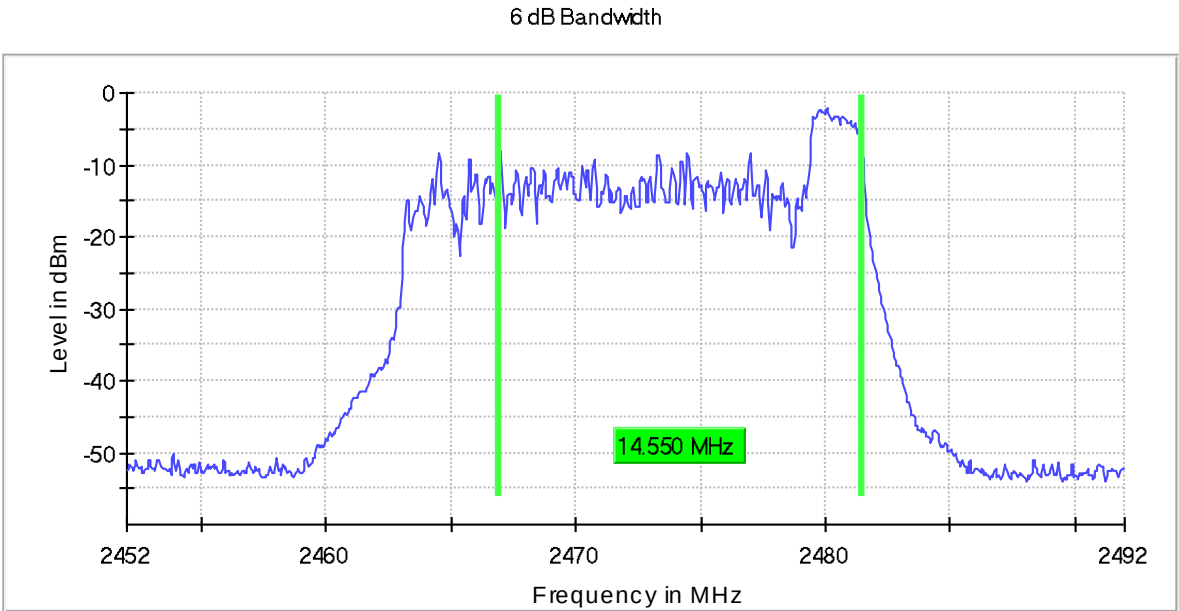
Images:

6 dB Bandwidth



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM RU Frequency MHz = 2472.00000
MIMO Mode = SISO Active Port = 1

Images:



Modulation: 802.11ax20 OFDM – SU Full-channel allocation

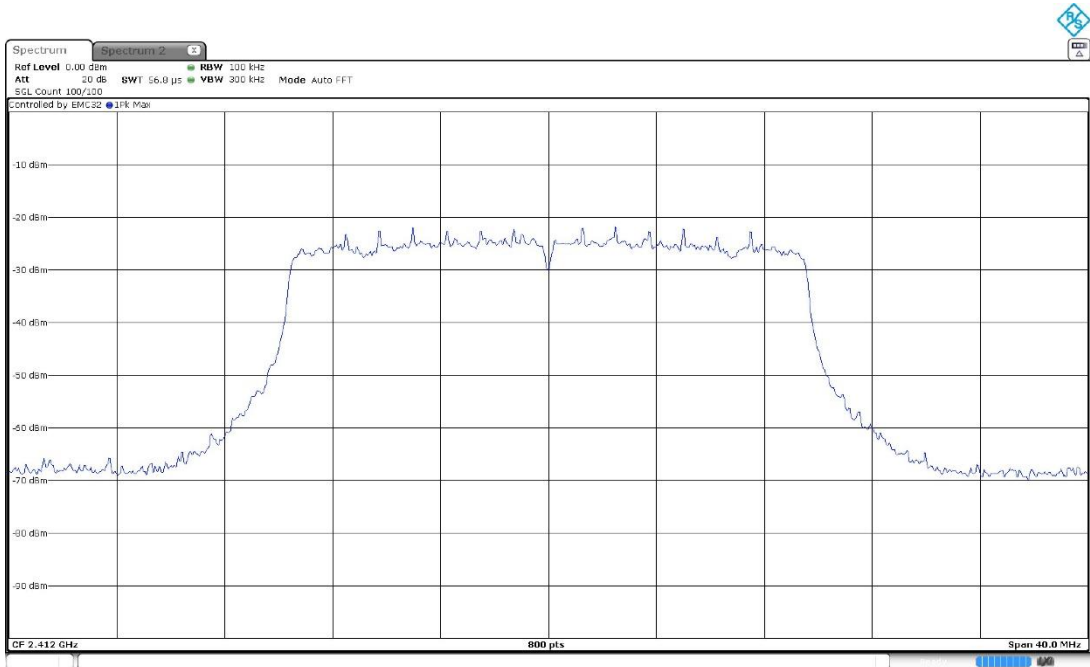
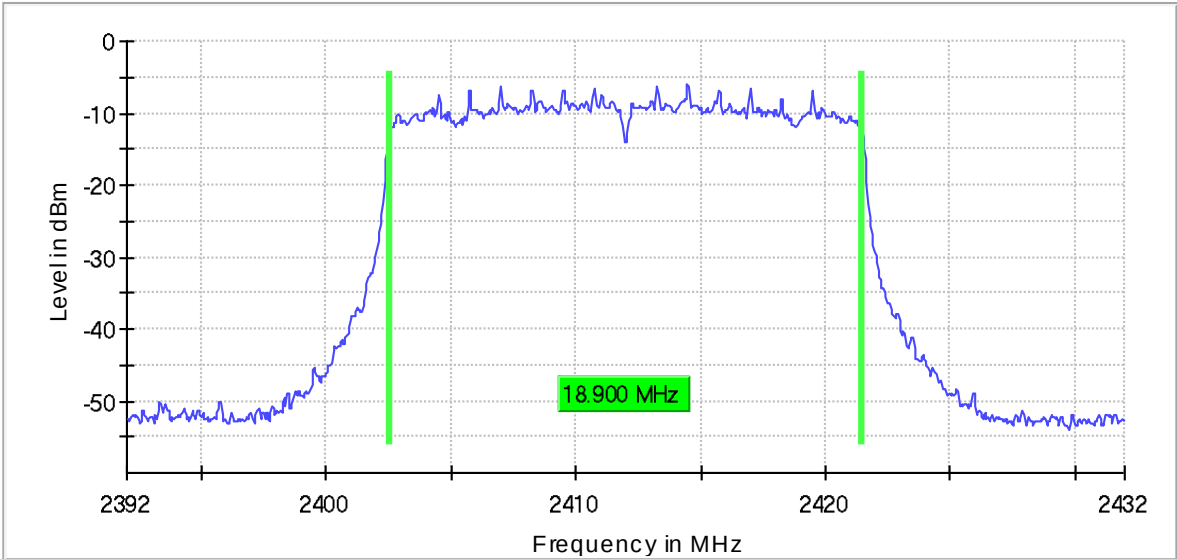
BW (MHz)	Freq (MHz)	Port	Ebw (MHz)
20	2412.00000	1	18.900
	2462.00000		18.850
	2472.00000		17.550

Attachments

Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM SU Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

Images:

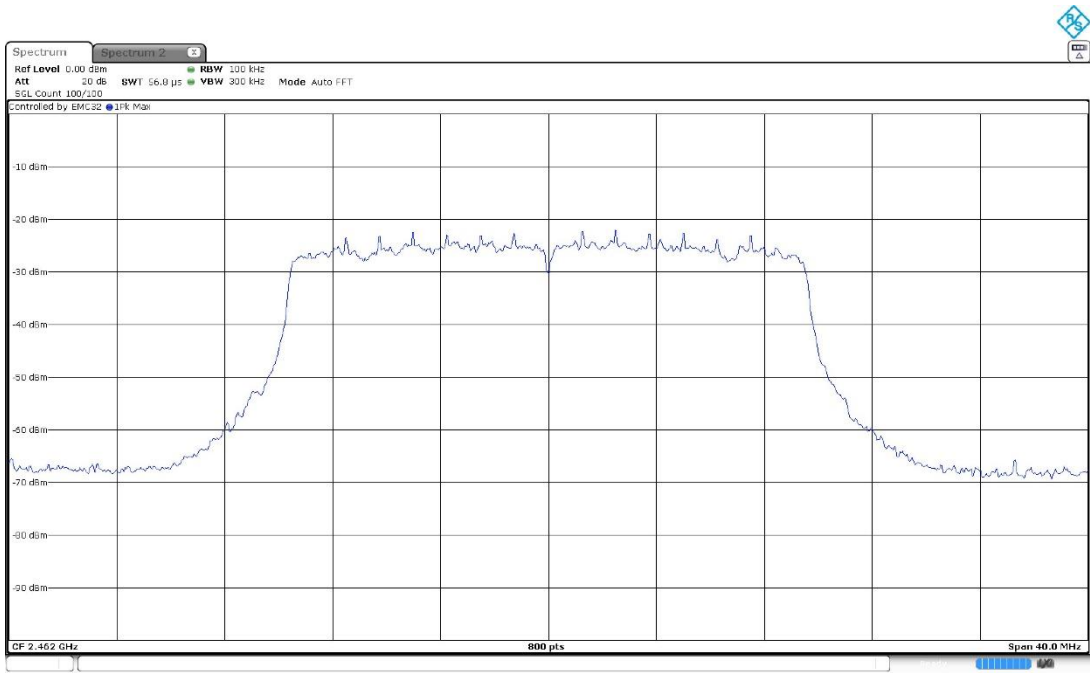
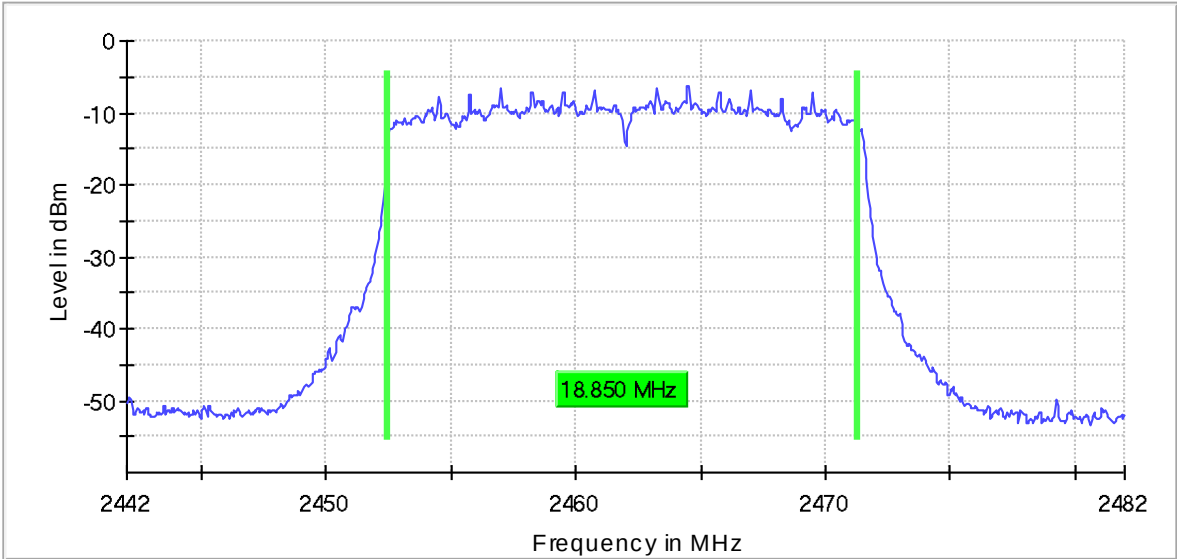
6 dB Bandwidth



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM SU Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

Images:

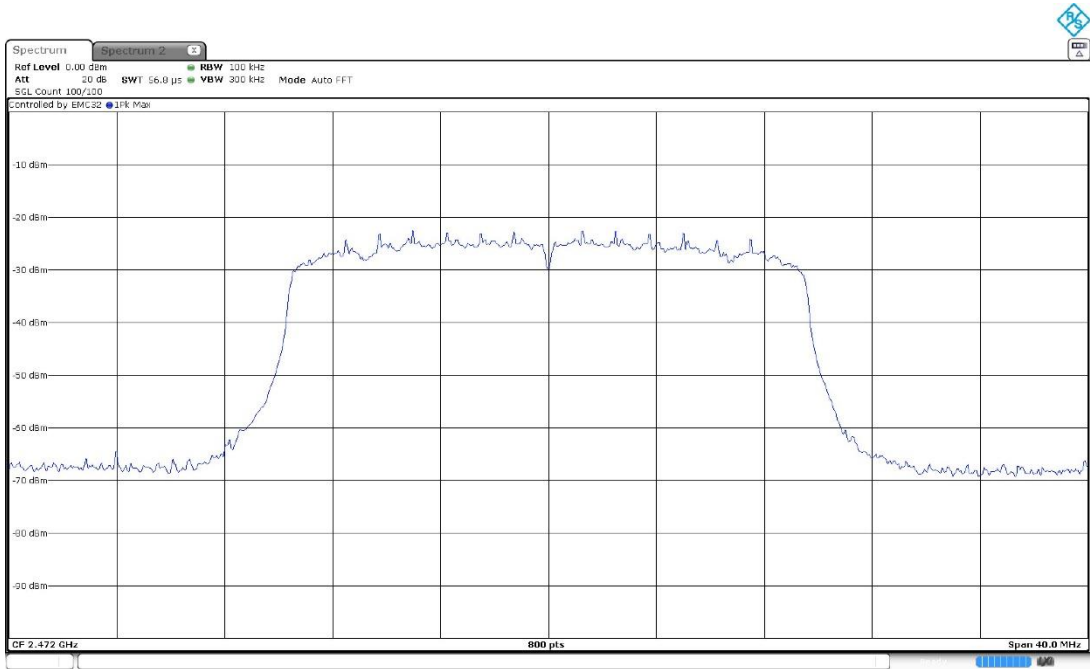
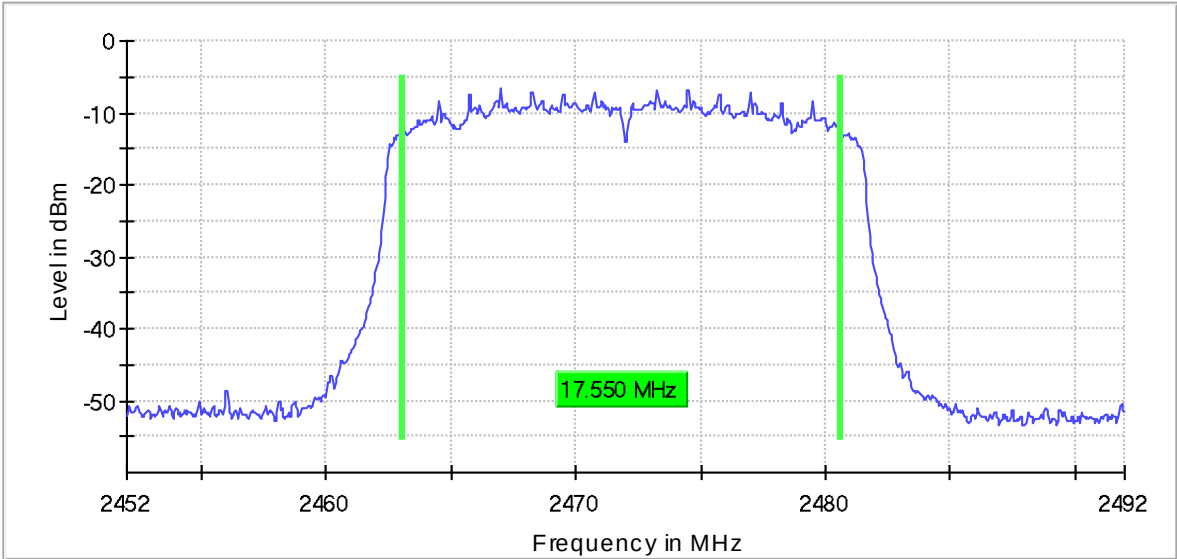
6 dB Bandwidth



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11ax20 OFDM SU Frequency MHz = 2472.00000
MIMO Mode = SISO Active Port = 1

Images:

6 dB Bandwidth



RSS-247 5.2 (b) / FCC 15.247 (e) 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.

Results

Modulation: 802.11b (DSSS 1 Mbit/s)

Equipment	BW (MHz)	Freq (MHz)	Port	PSD (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	-9.172
		2437.00000		-9.462
		2462.00000		-9.563
		2467.00000		-9.505
		2472.00000		-9.838

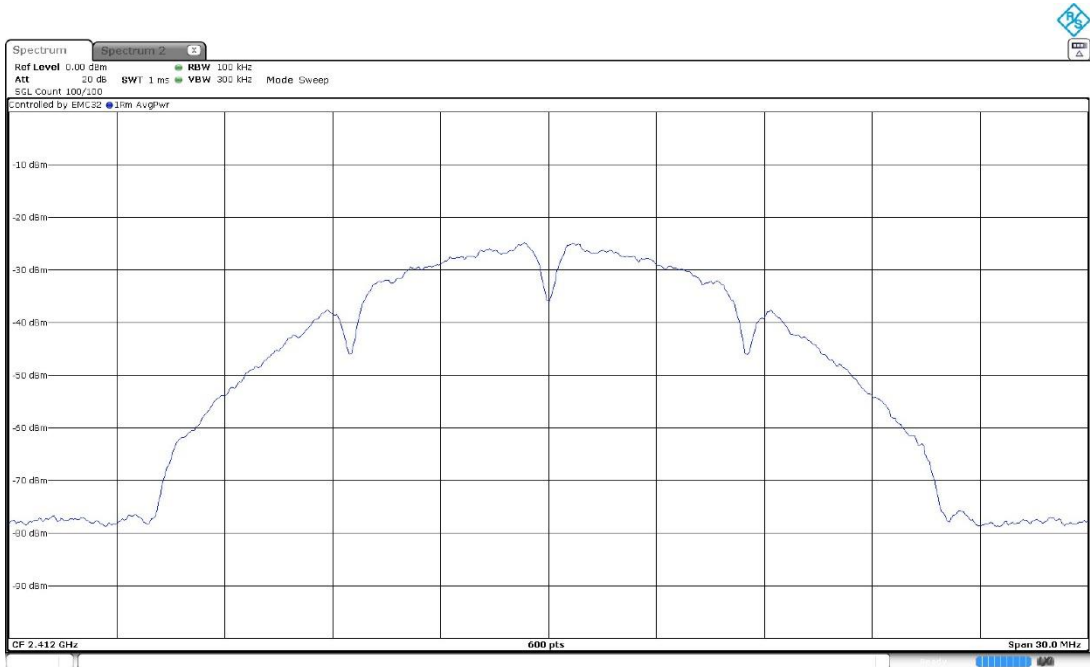
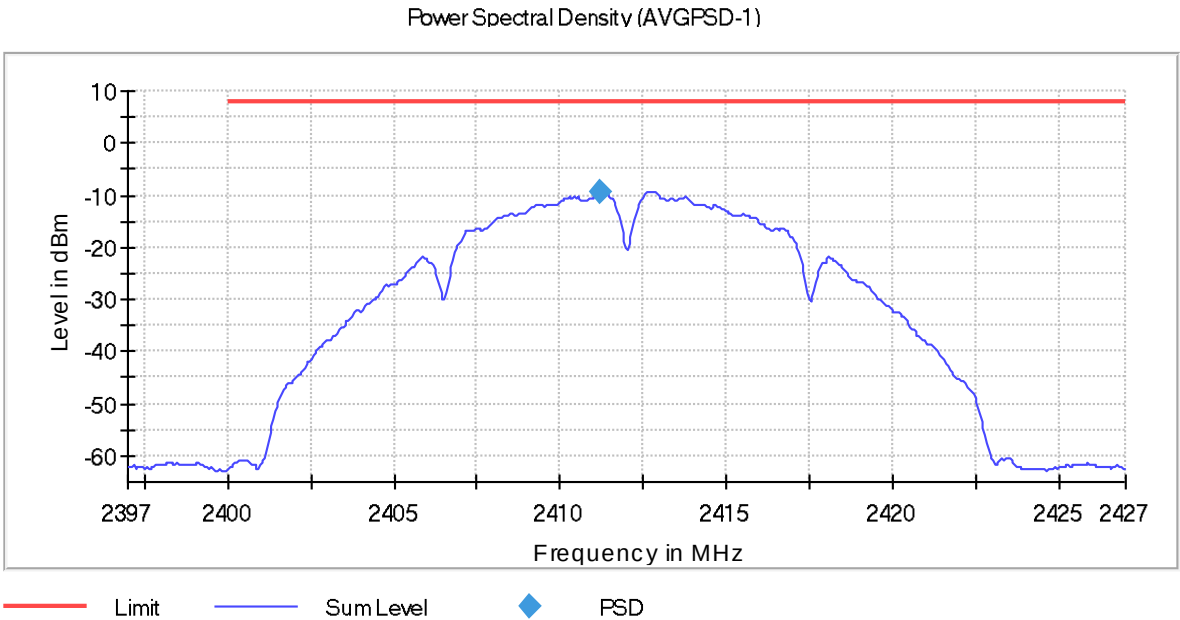
Verdict

Pass

Attachments

Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

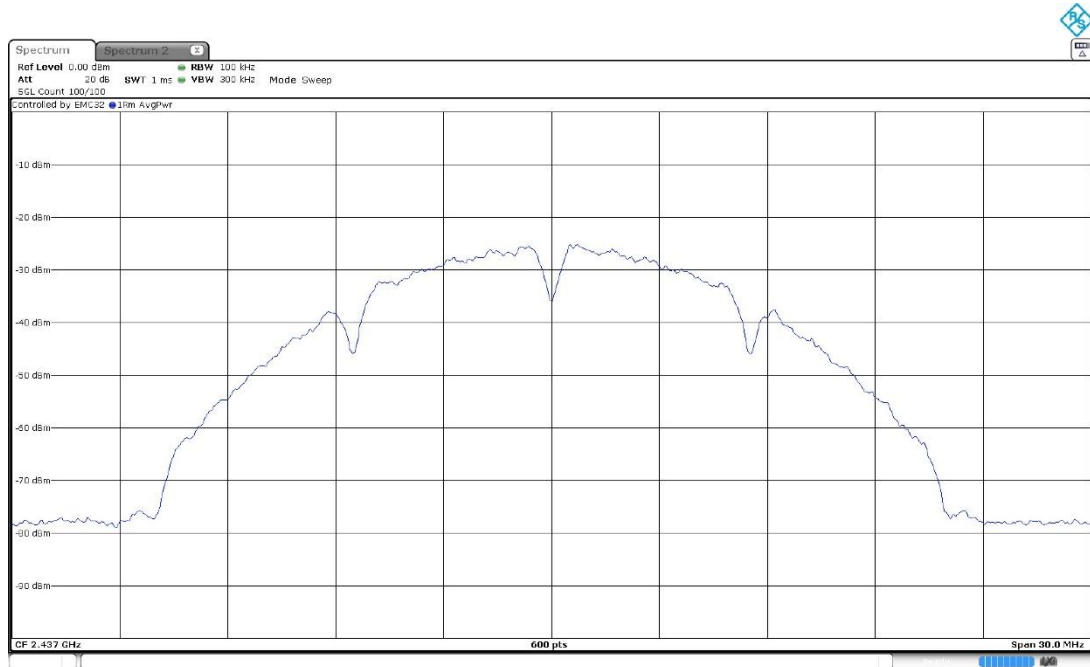
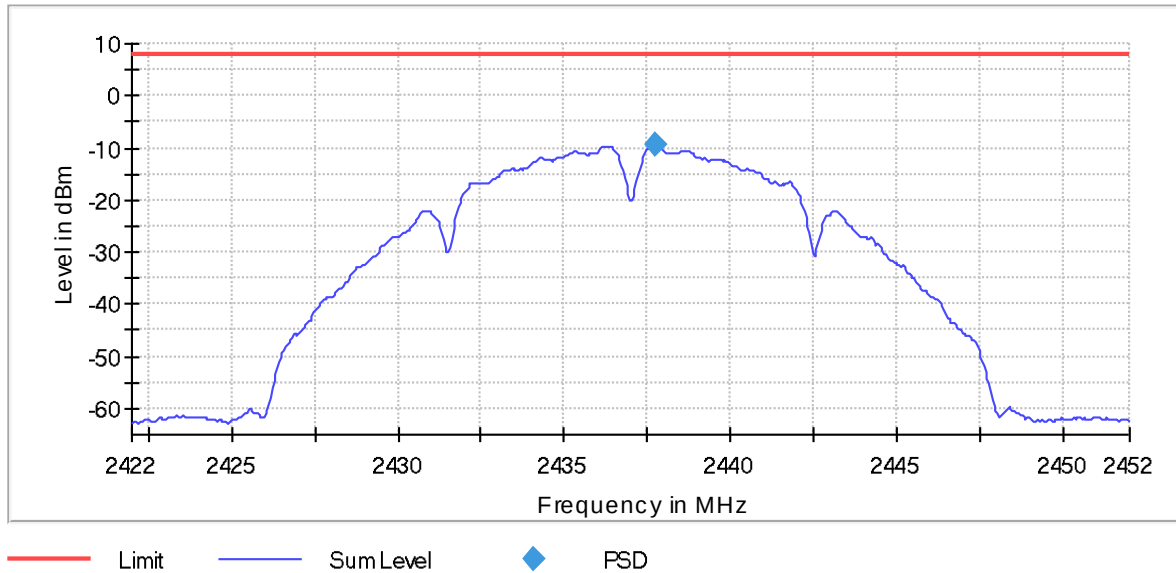
Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2437.00000
MIMO Mode = SISO Active Port = 1

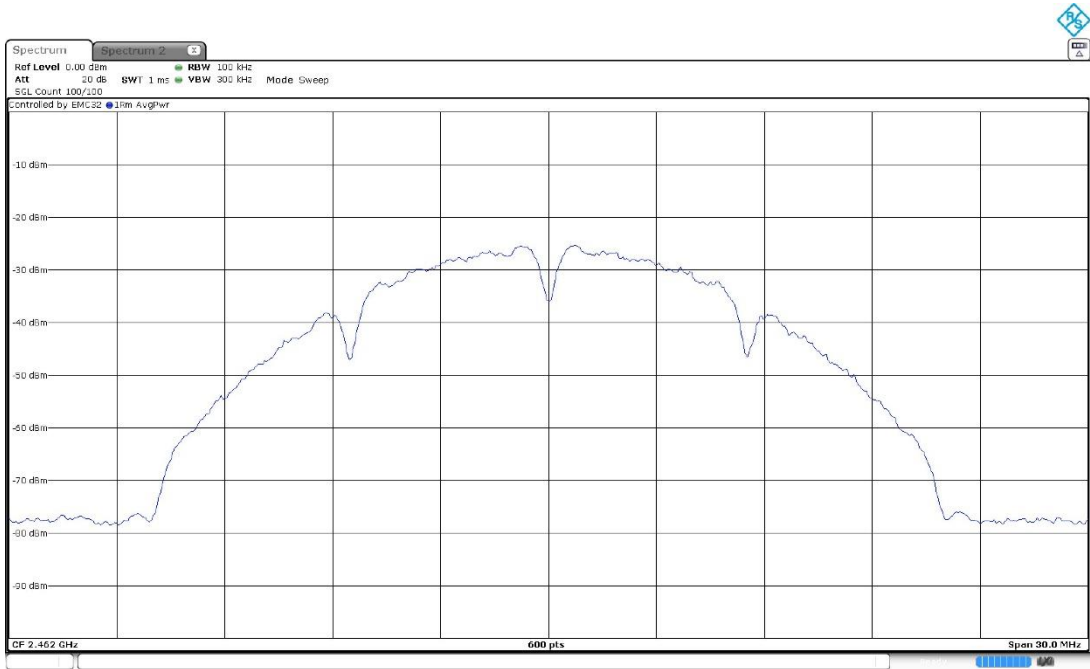
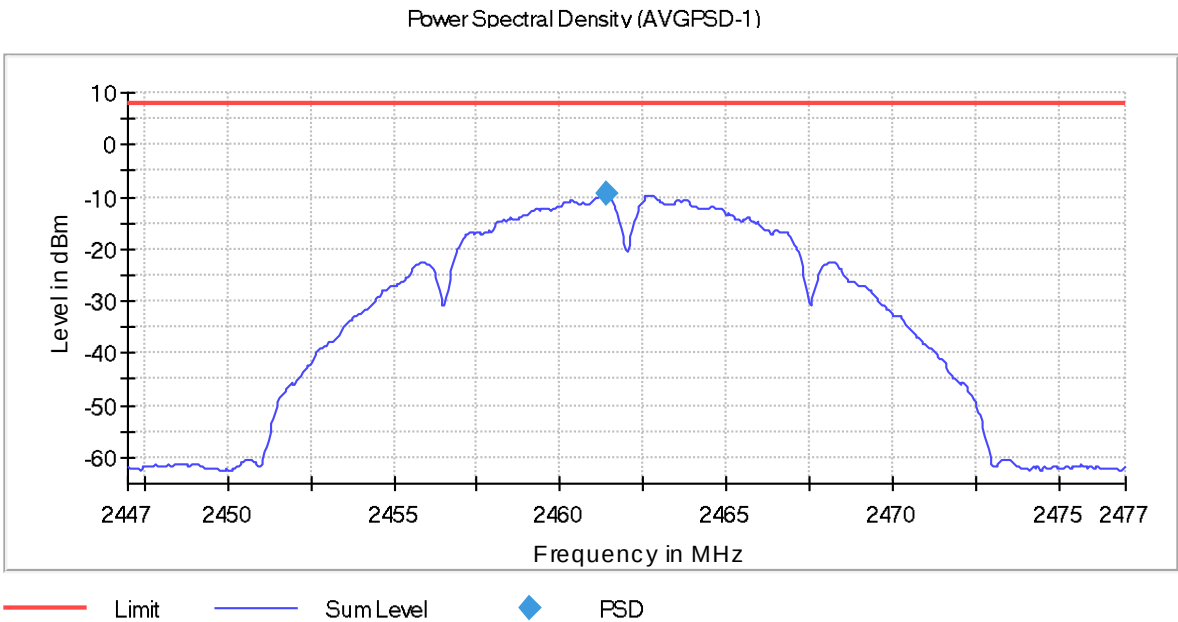
Images:

Power Spectral Density (AVG PSD-1)



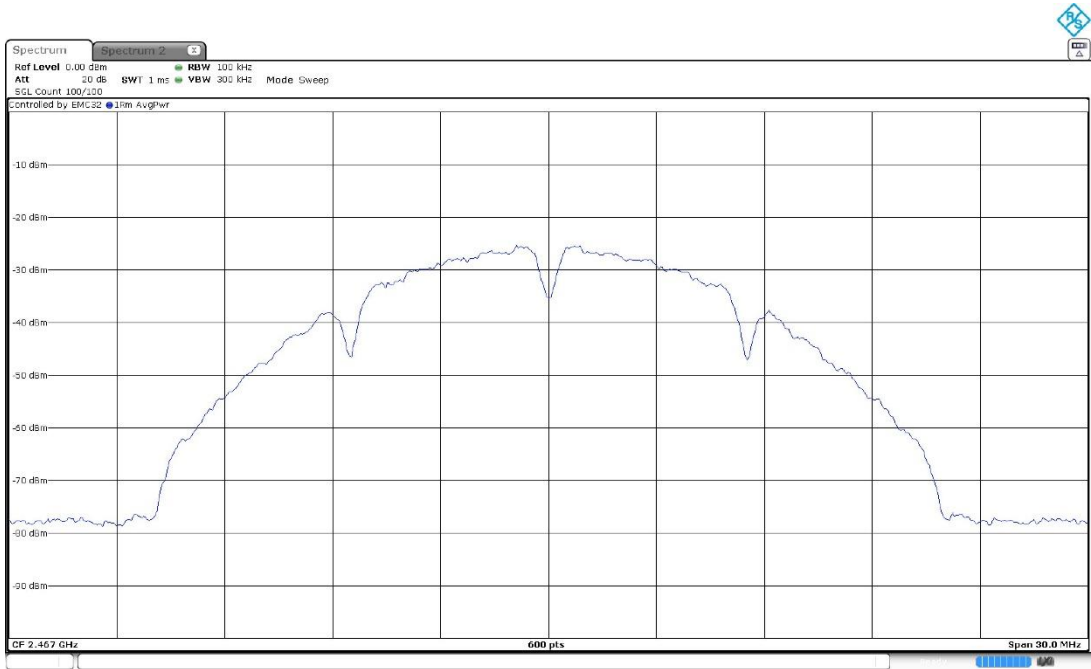
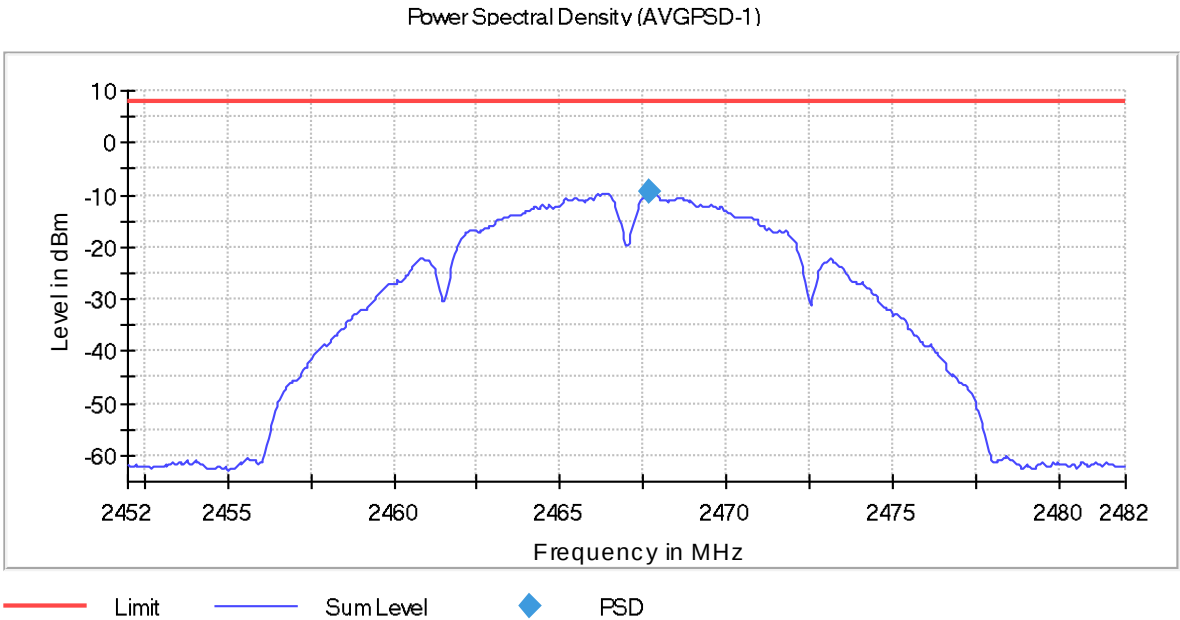
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

Images:



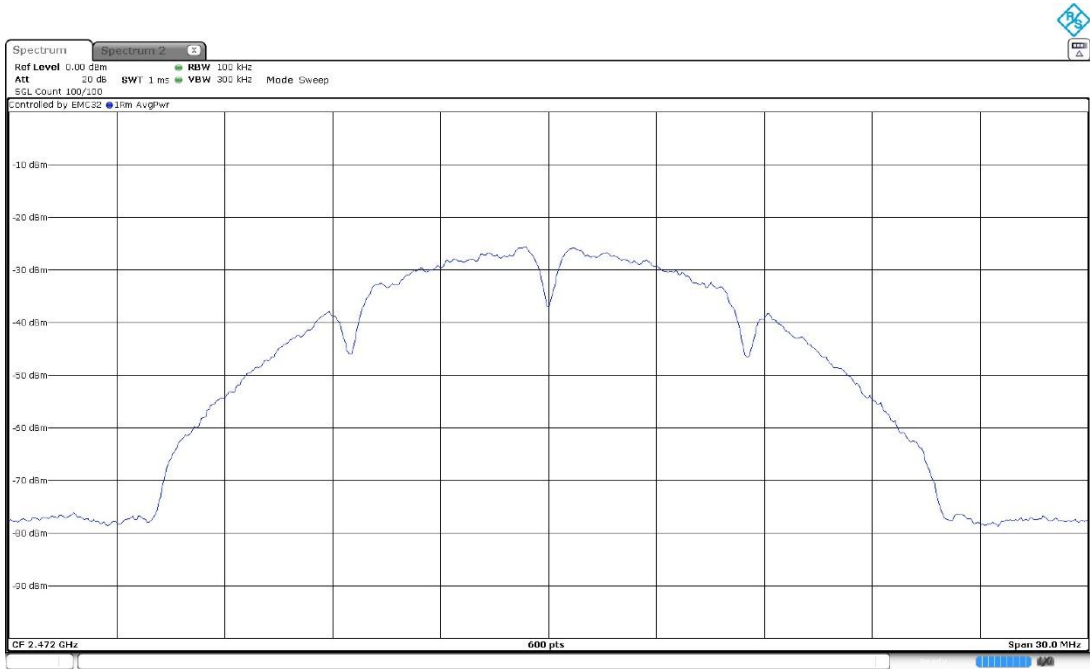
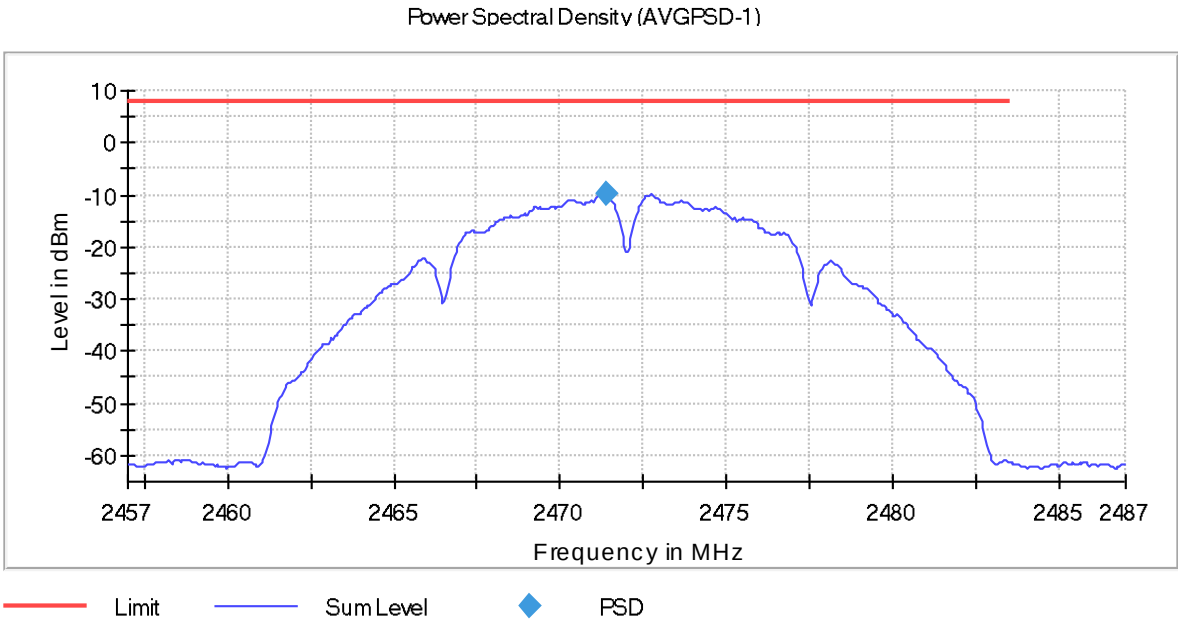
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2467.00000
MIMO Mode = SISO Active Port = 1

Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2472.00000
MIMO Mode = SISO Active Port = 1

Images:



Results

Modulation: 802.11g (OFDM 6 Mbit/s)

Equipment	BW (MHz)	Freq (MHz)	Port	PSD (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	-13.108
		2437.00000		-13.225
		2462.00000		-13.312
		2467.00000		-13.392
		2472.00000		-13.461

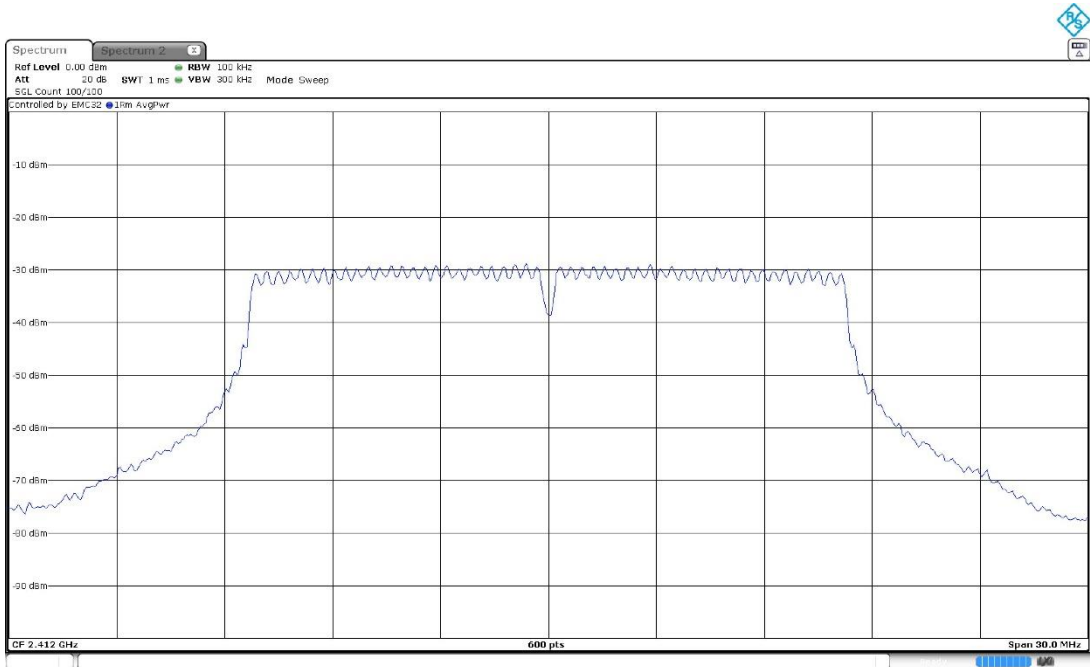
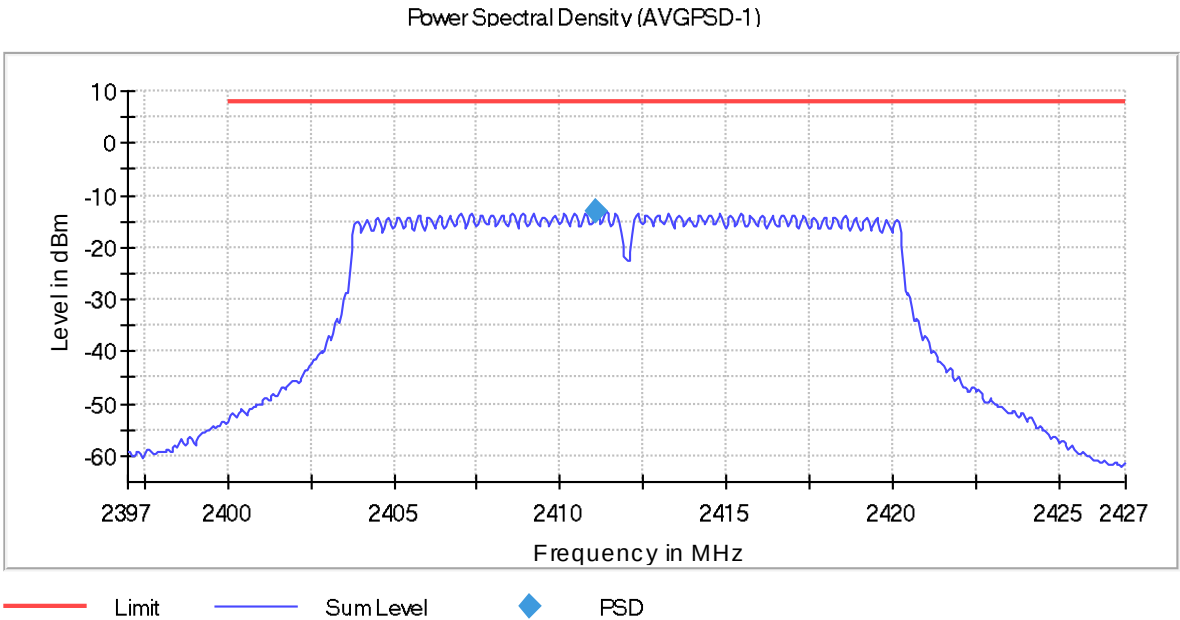
Verdict

Pass

Attachments

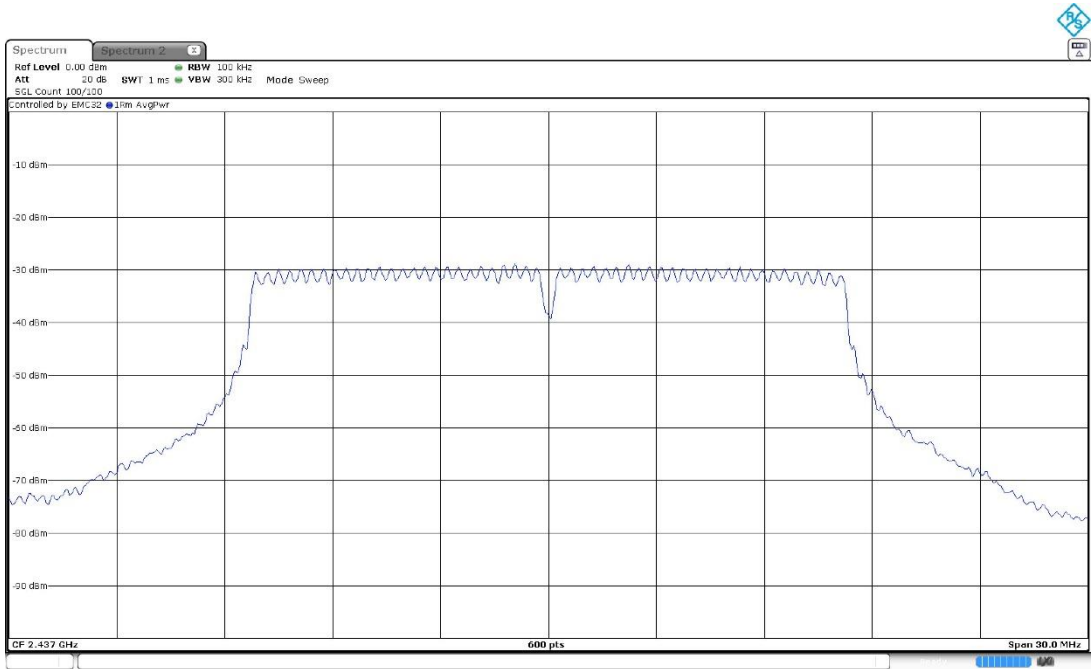
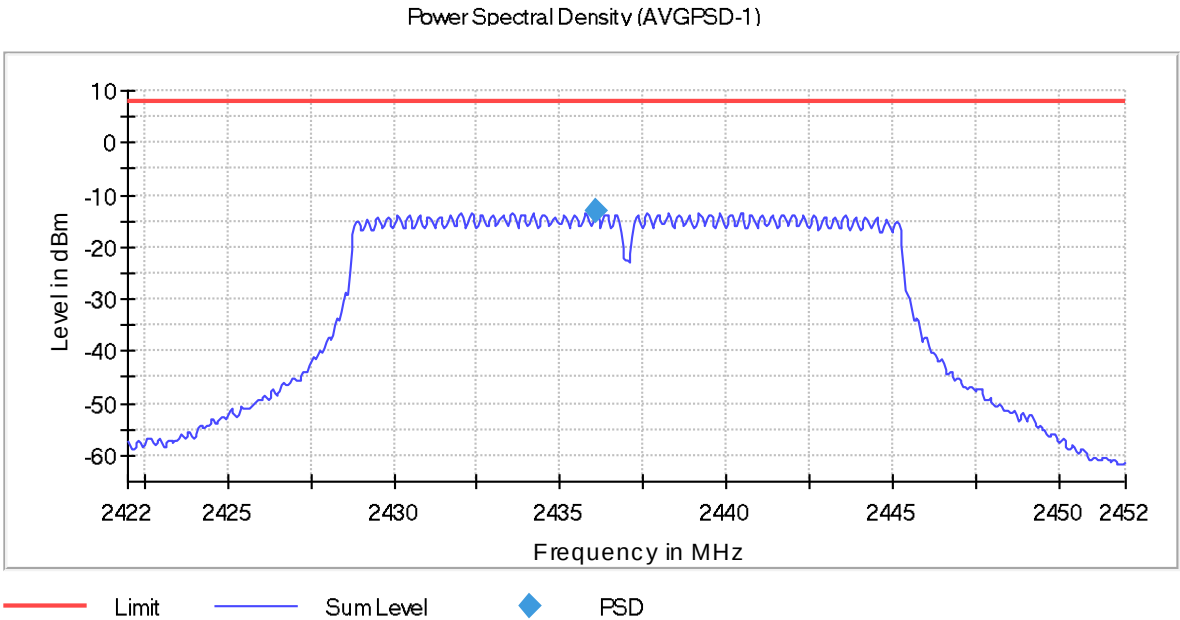
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

Images:



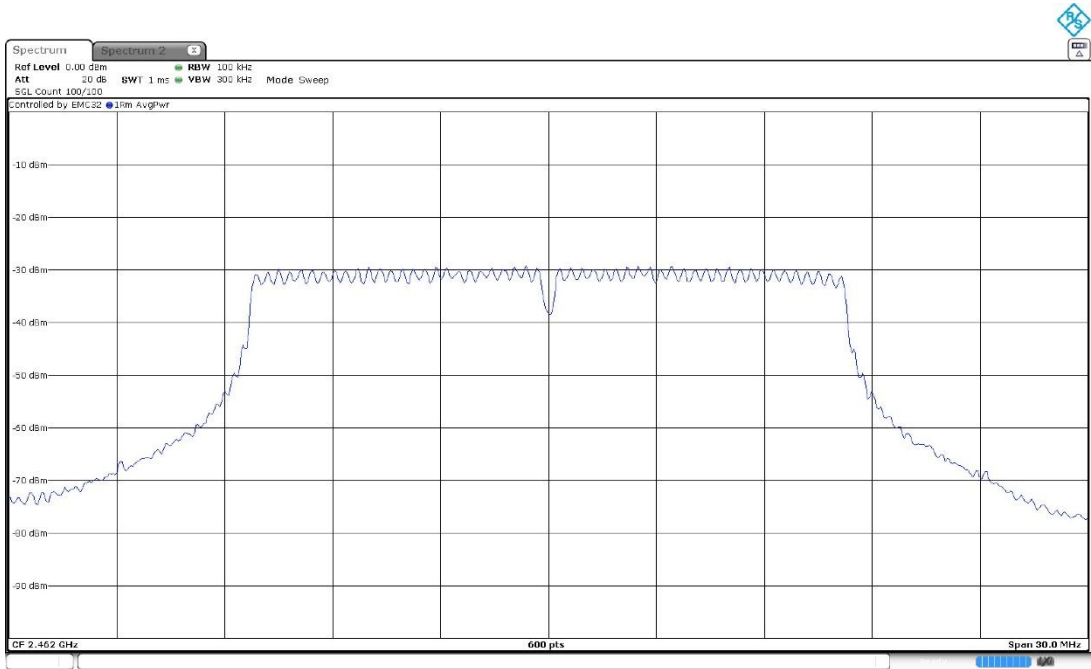
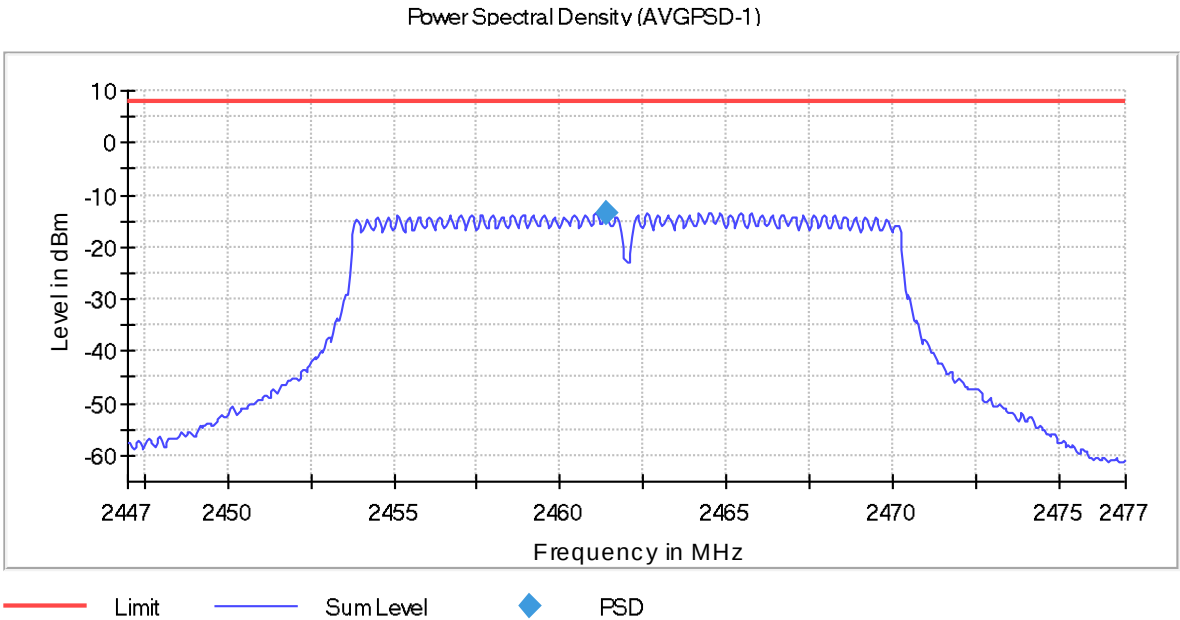
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2437.00000
MIMO Mode = SISO Active Port = 1

Images:



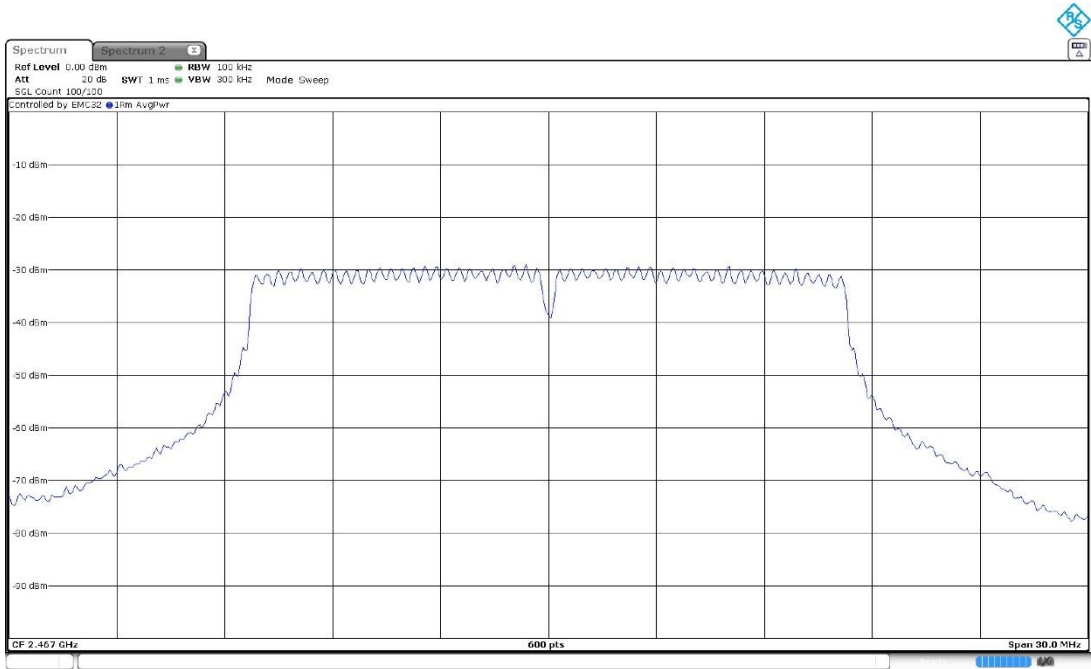
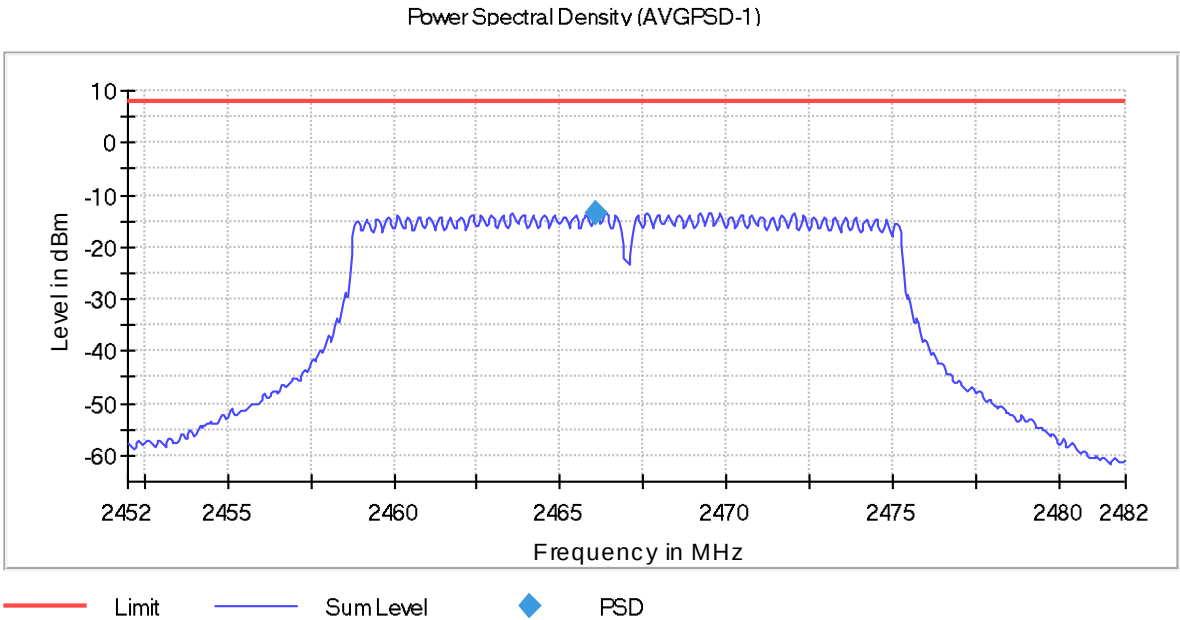
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

Images:



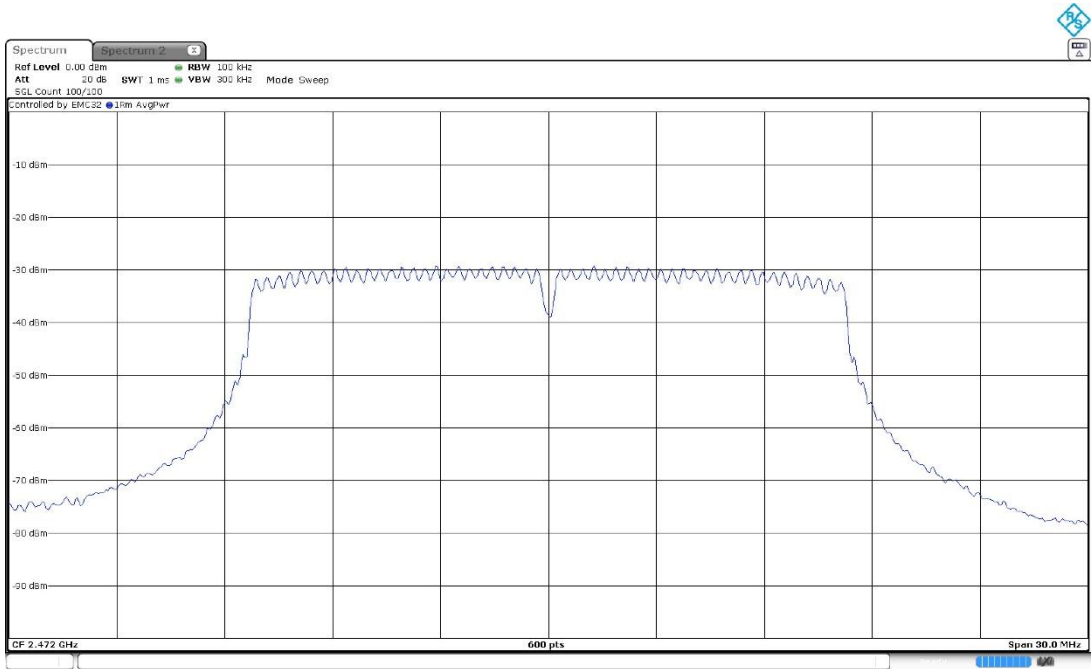
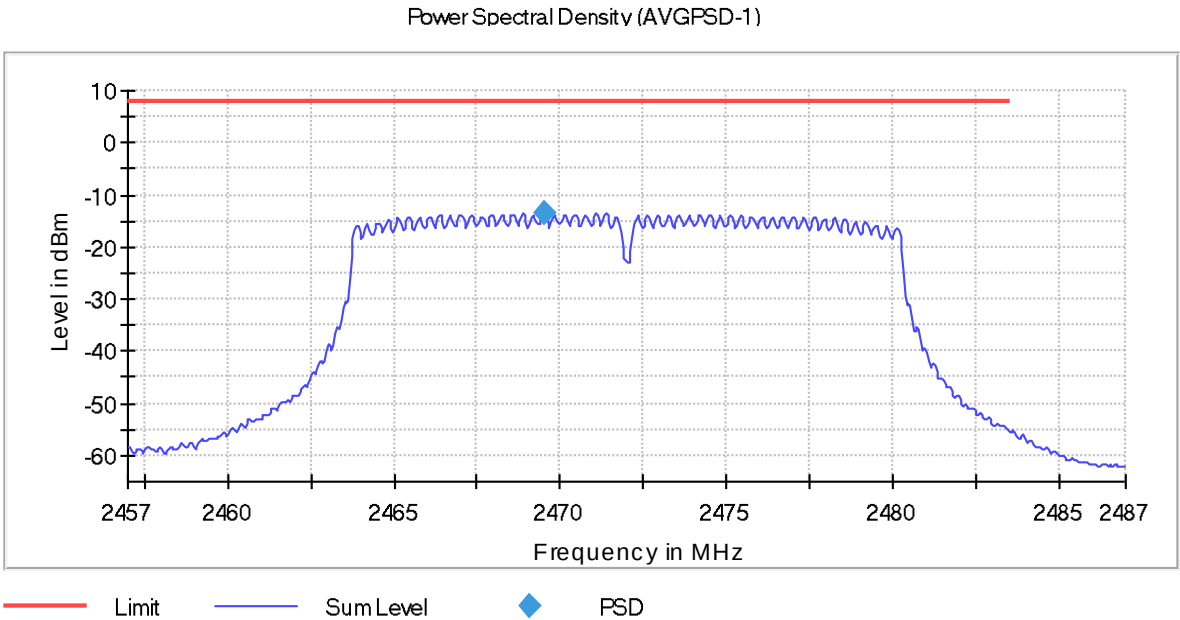
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2467.00000
MIMO Mode = SISO Active Port = 1

Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2472.00000
MIMO Mode = SISO Active Port = 1

Images:



Results

Modulation: 802.11n HT20 (OFDM MCS0)

Equipment	BW (MHz)	Freq (MHz)	Port	PSD (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	-13.923
		2437.00000		-13.573
		2462.00000		-14.092
		2467.00000		-14.082
		2472.00000		-13.967

Verdict

Pass

Attachments

Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
Modulation = 802.11n HT20 (OFDM MCS0) Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

Images:

