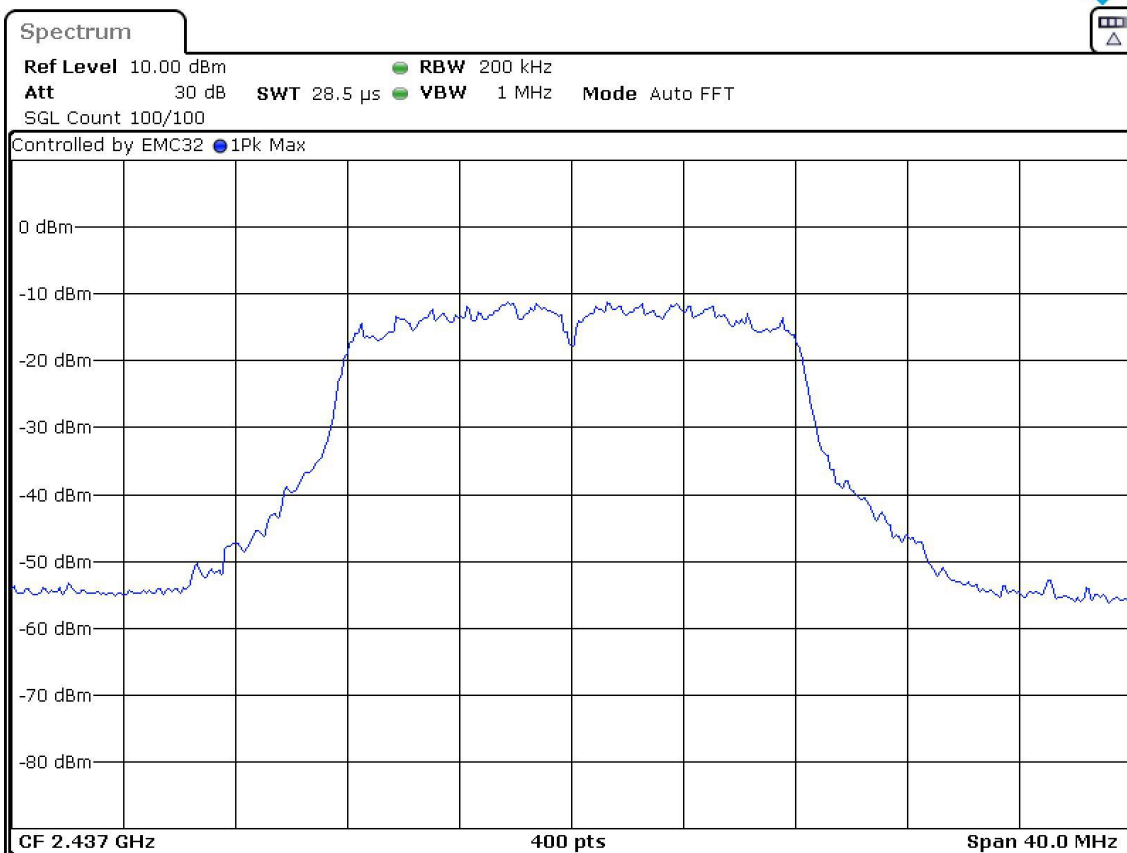
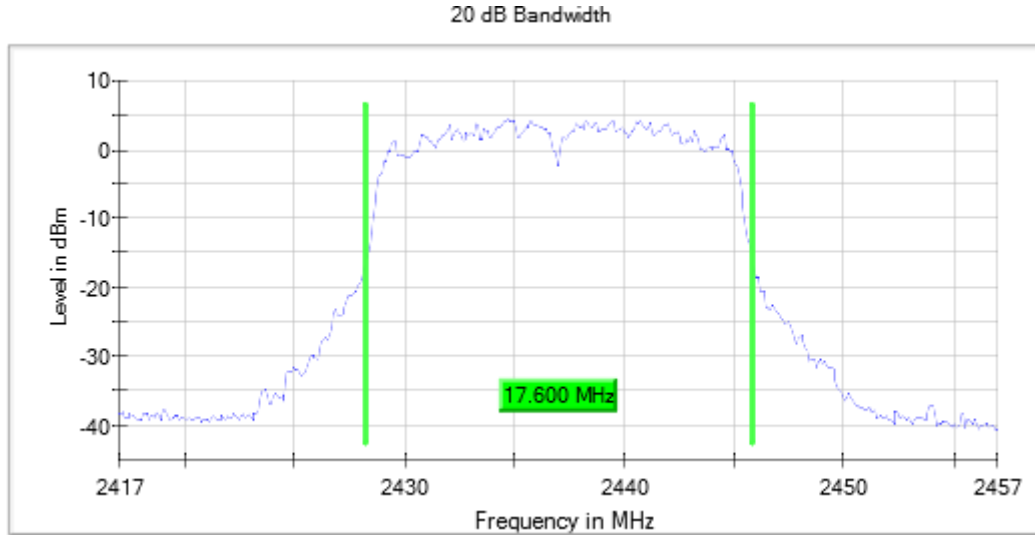


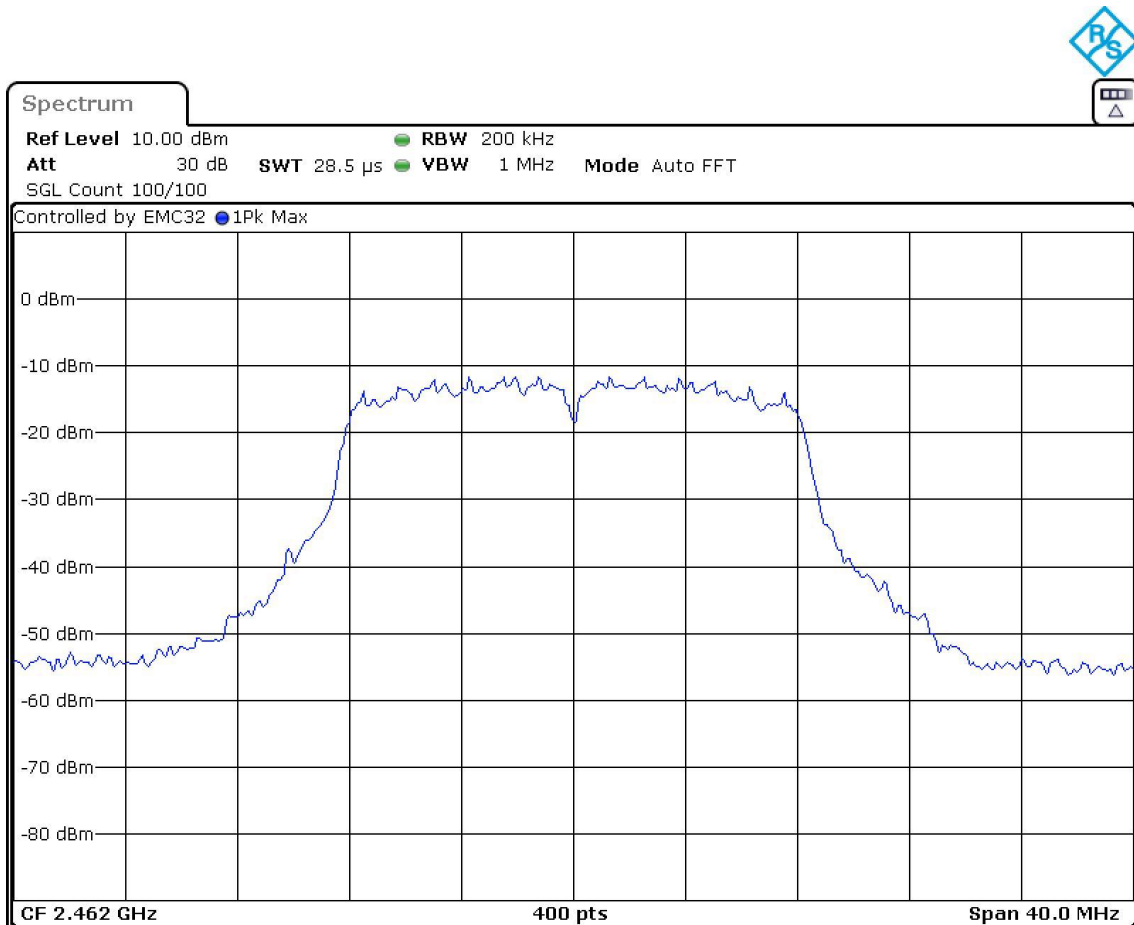
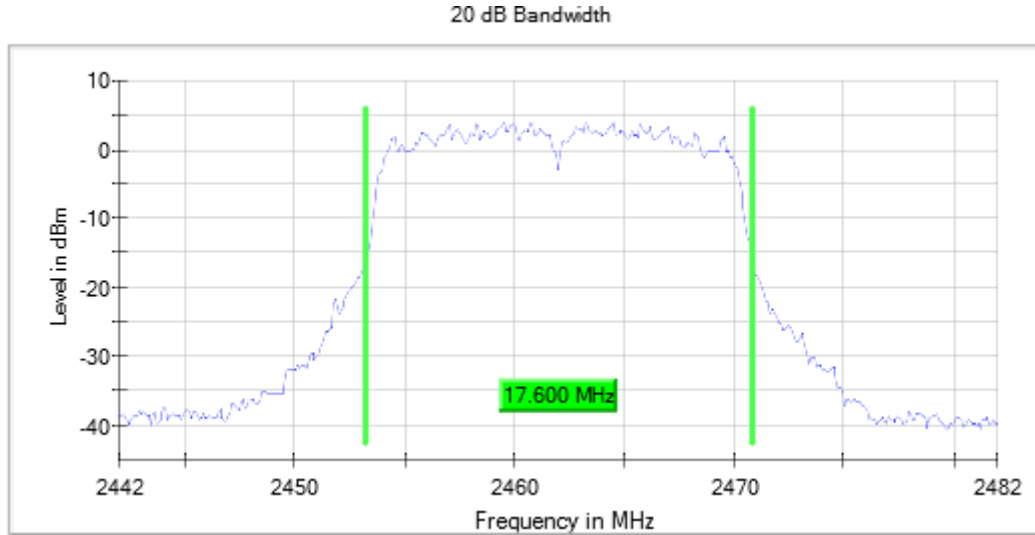
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2437.00000
 MIMO Mode = SISO Active Port = 1

Images:



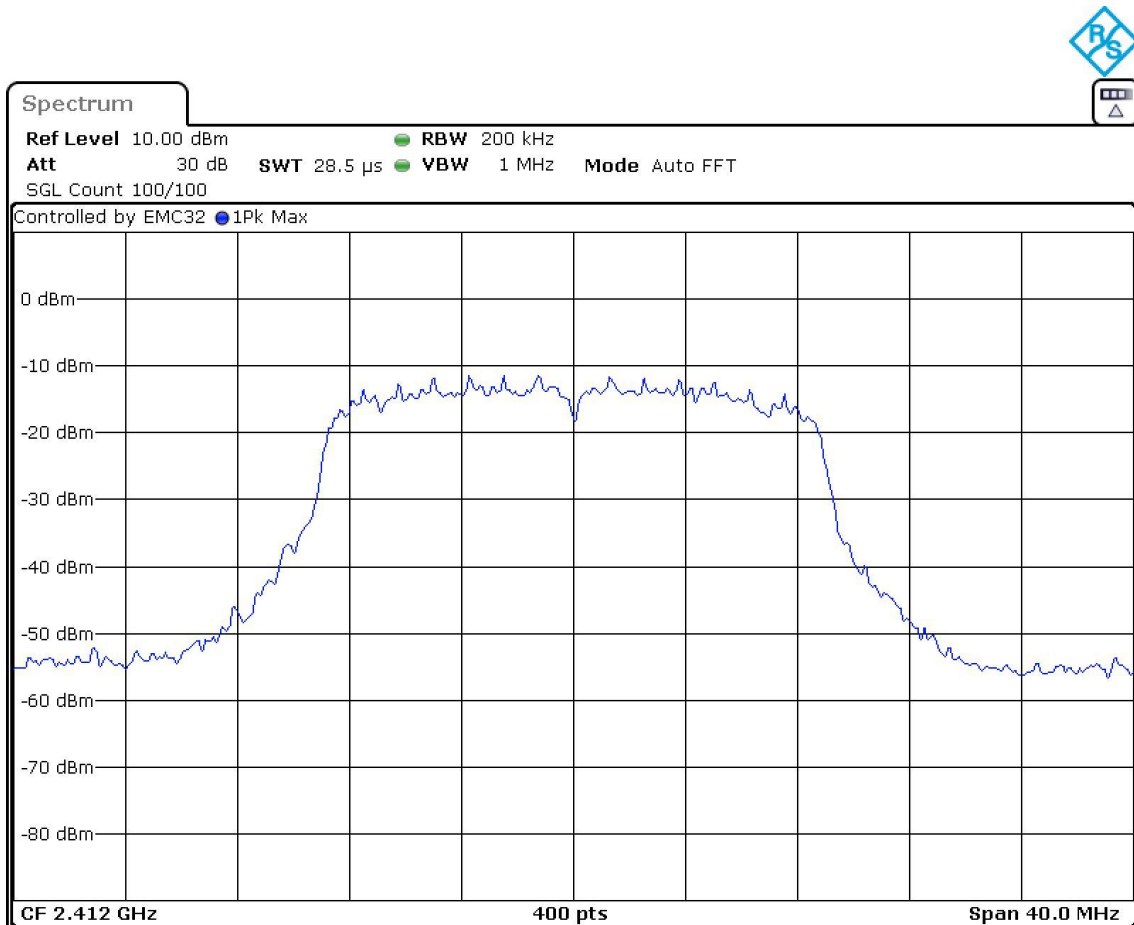
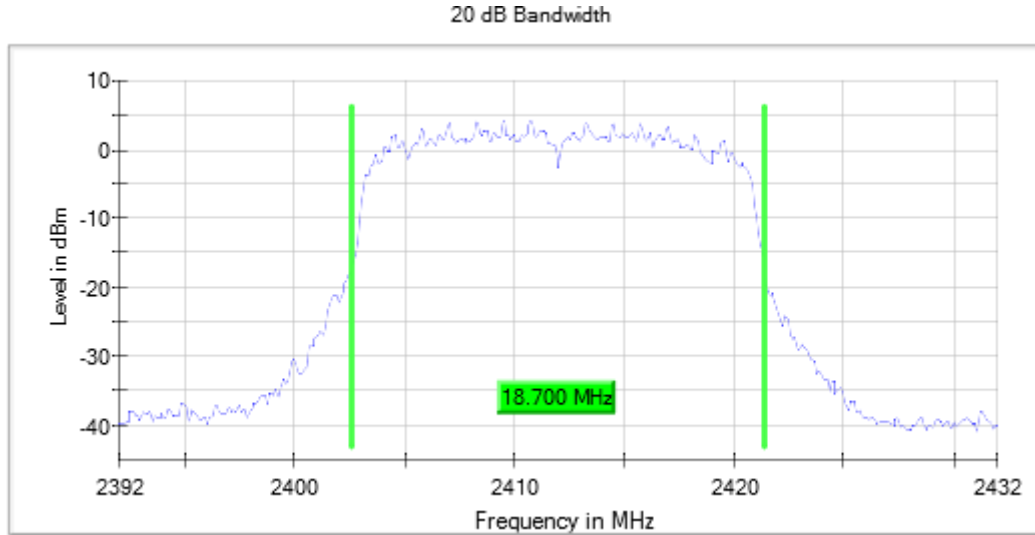
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2462.00000
 MIMO Mode = SISO Active Port = 1

Images:



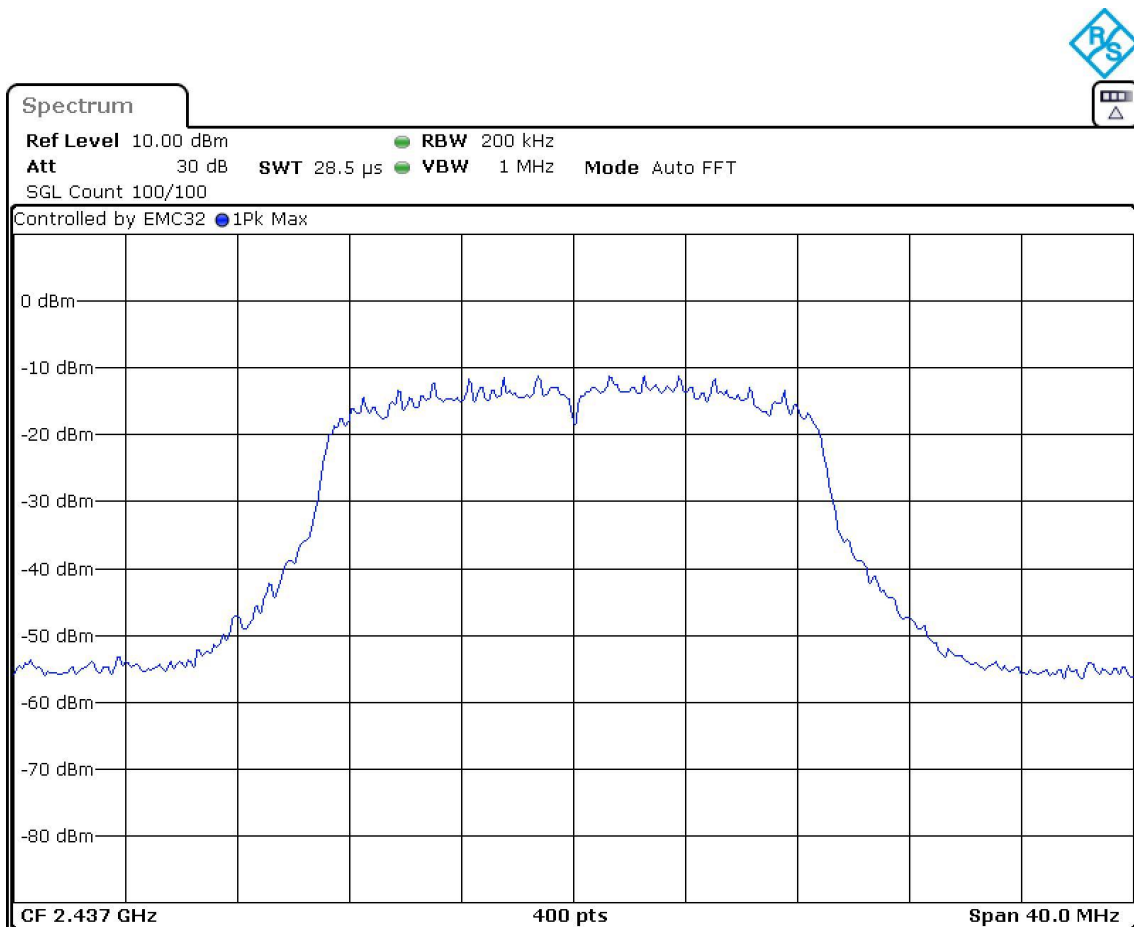
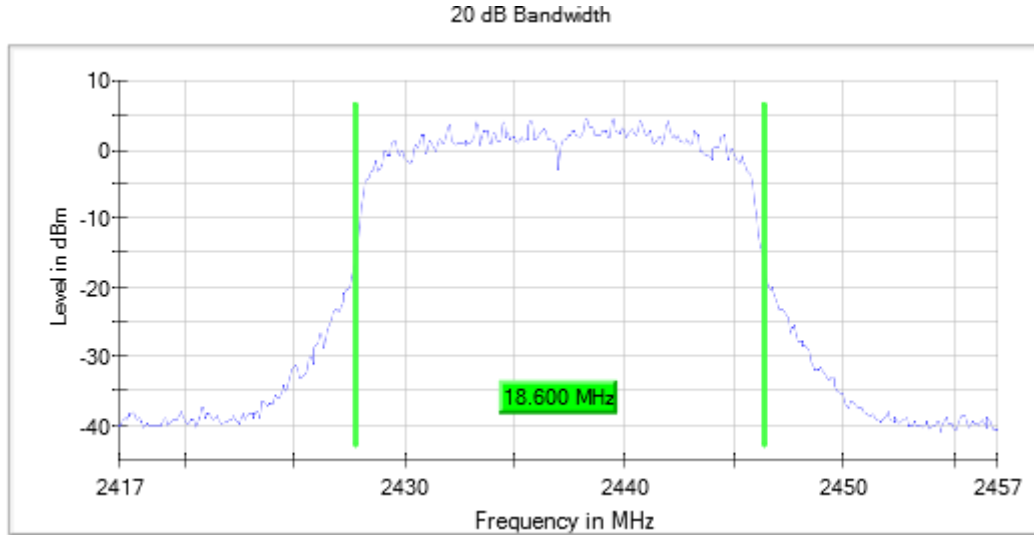
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Frequency MHz = 2412.00000
 MIMO Mode = SISO Active Port = 1

Images:



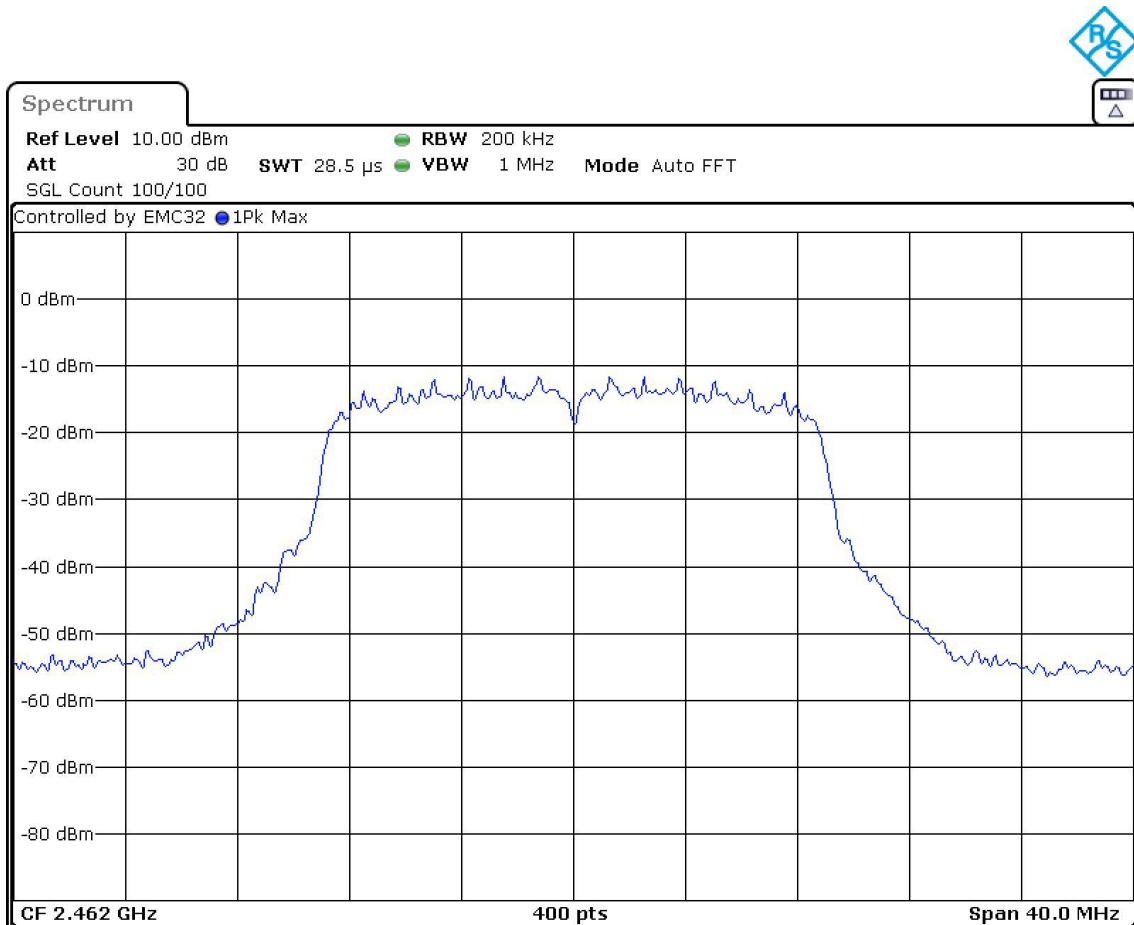
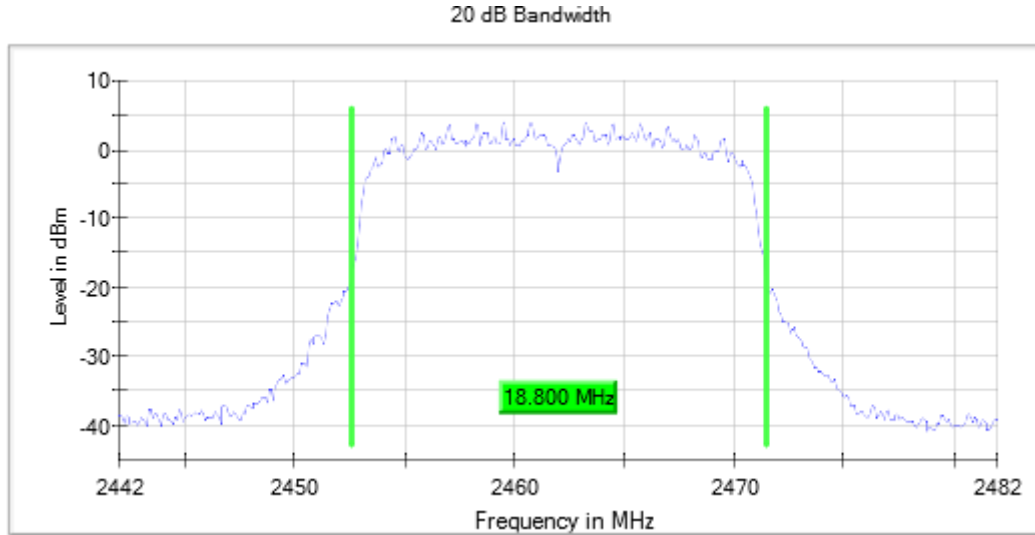
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Frequency MHz = 2437.00000
 MIMO Mode = SISO Active Port = 1

Images:



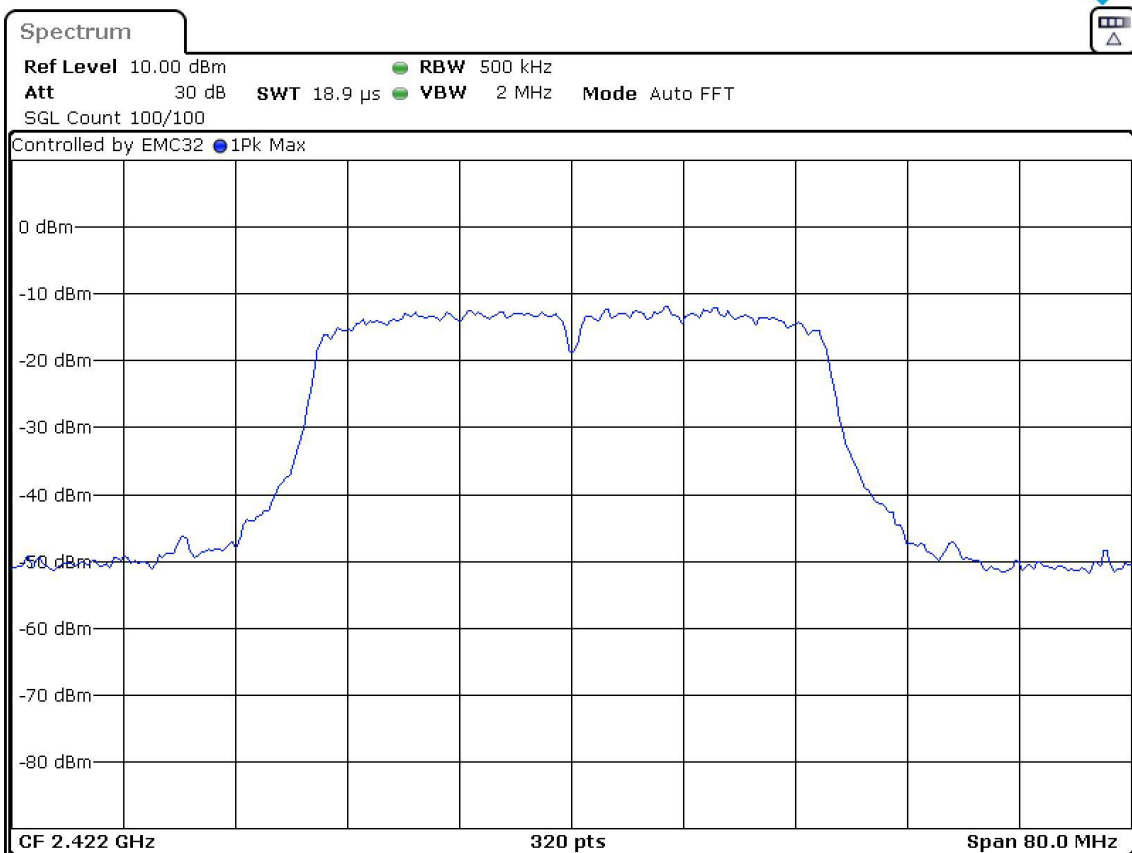
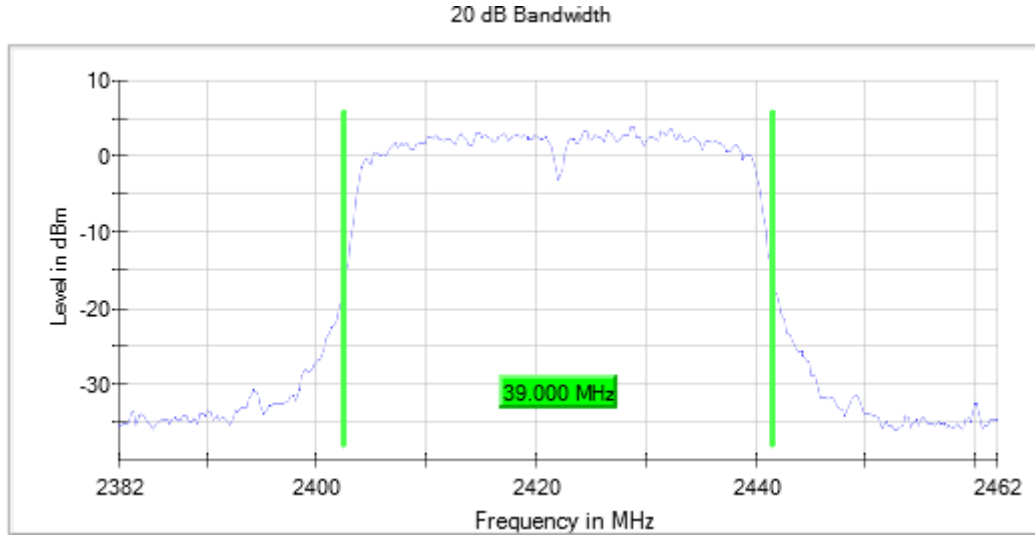
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) Frequency MHz = 2462.00000
 MIMO Mode = SISO Active Port = 1

Images:



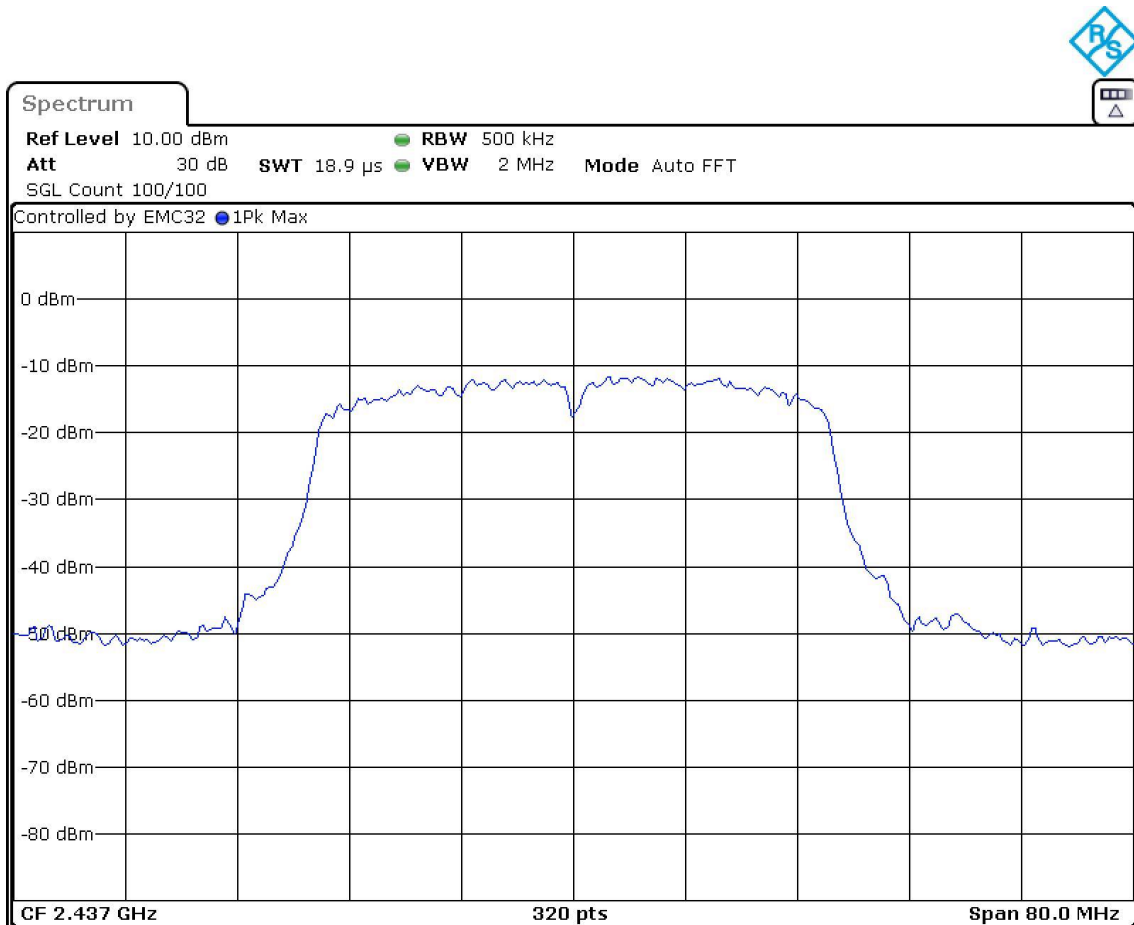
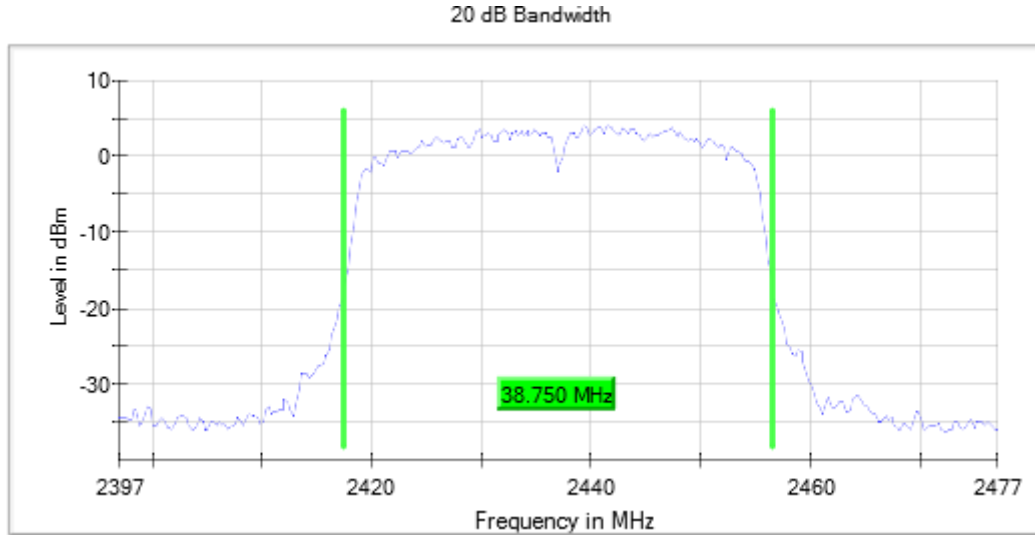
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 40
 Modulation = 802.11n HT40 (OFDM MCS0 13.5 Mbit/s) Frequency MHz = 2422.00000
 MIMO Mode = SISO Active Port = 1

Images:



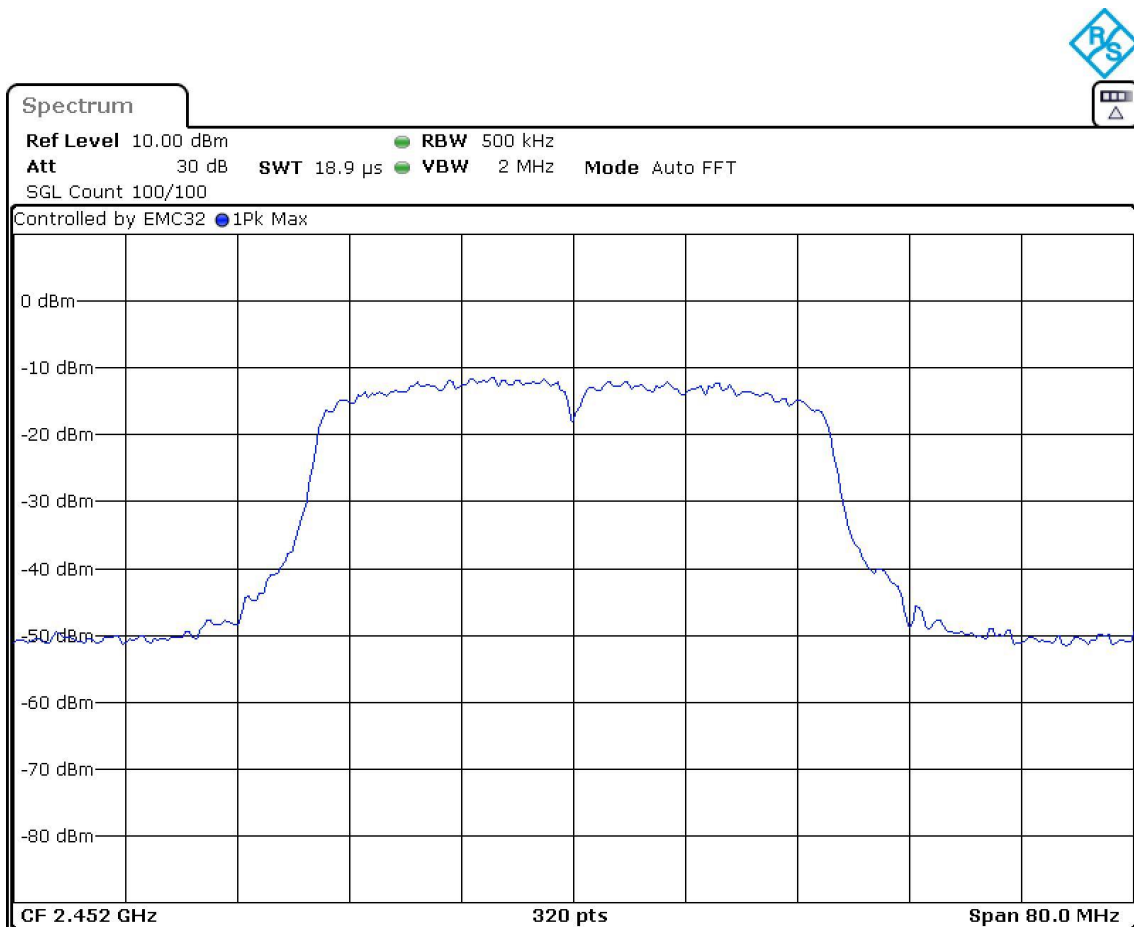
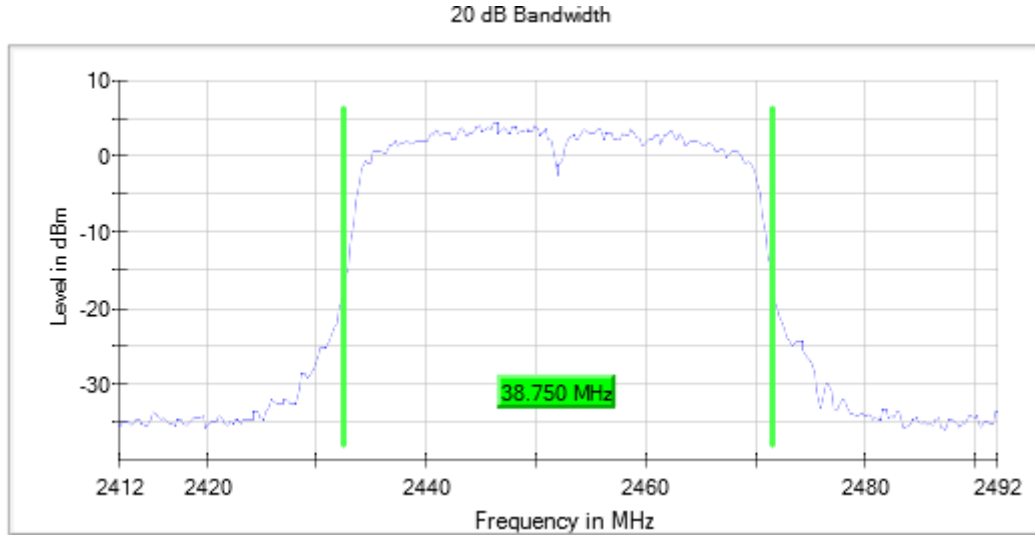
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 40
 Modulation = 802.11n HT40 (OFDM MCS0 13.5 Mbit/s) Frequency MHz = 2437.00000
 MIMO Mode = SISO Active Port = 1

Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 40
 Modulation = 802.11n HT40 (OFDM MCS0 13.5 Mbit/s) Frequency MHz = 2452.00000
 MIMO Mode = SISO Active Port = 1

Images:



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		8.100
	2462.00000		8.150

Modulation: 802.11g (OFDM 6 Mbit/s)

BW (MHz)	Freq (MHz)	Port	Ebw (MHz)
20	2412.00000	1	15.400
	2437.00000		15.200
	2462.00000		15.400

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

BW (MHz)	Freq (MHz)	Port	Ebw (MHz)
20	2412.00000	1	15.550
	2437.00000		15.200
	2462.00000		15.200

Modulation: 802.11n HT40 (OFDM MCS0 13.5 Mbit/s)

BW (MHz)	Freq (MHz)	Port	Ebw (MHz)
40	2422.00000	1	35.200
	2437.00000		35.150
	2452.00000		35.200

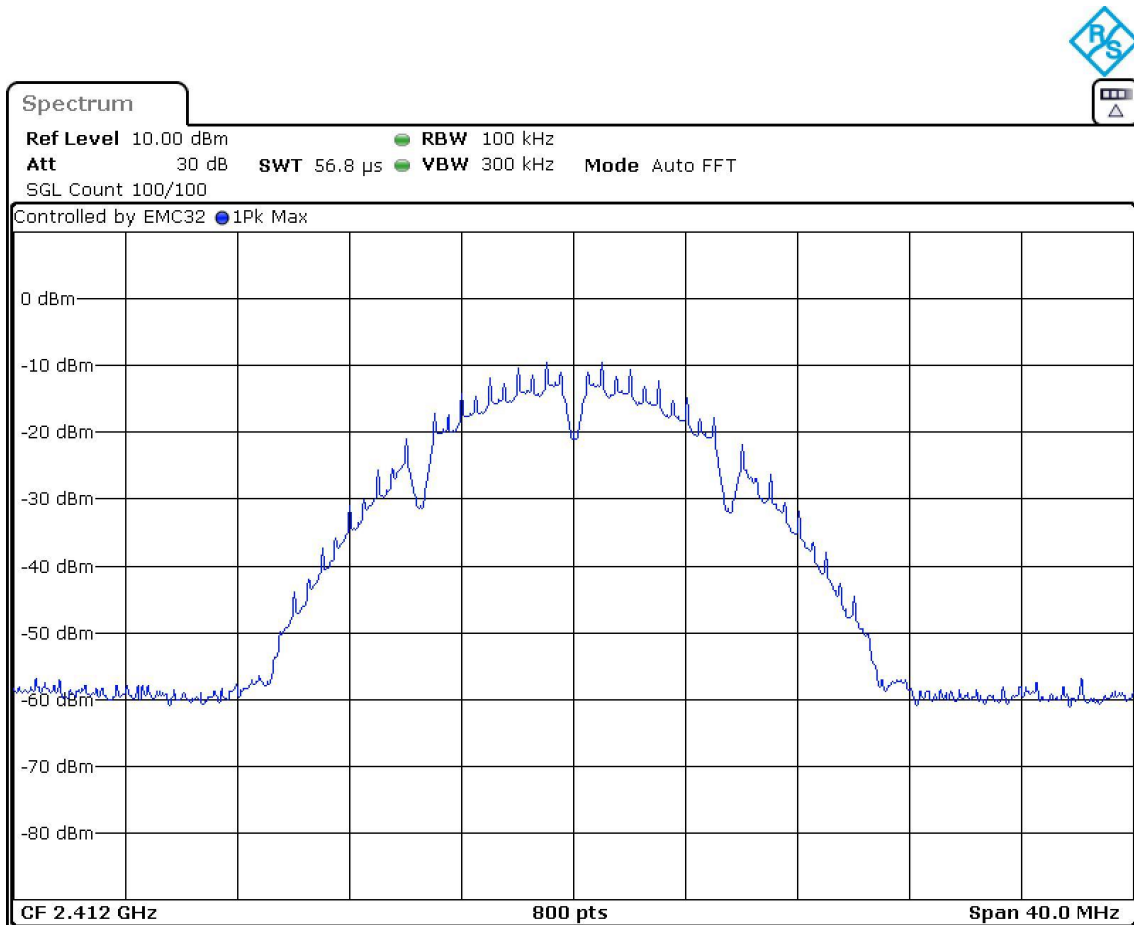
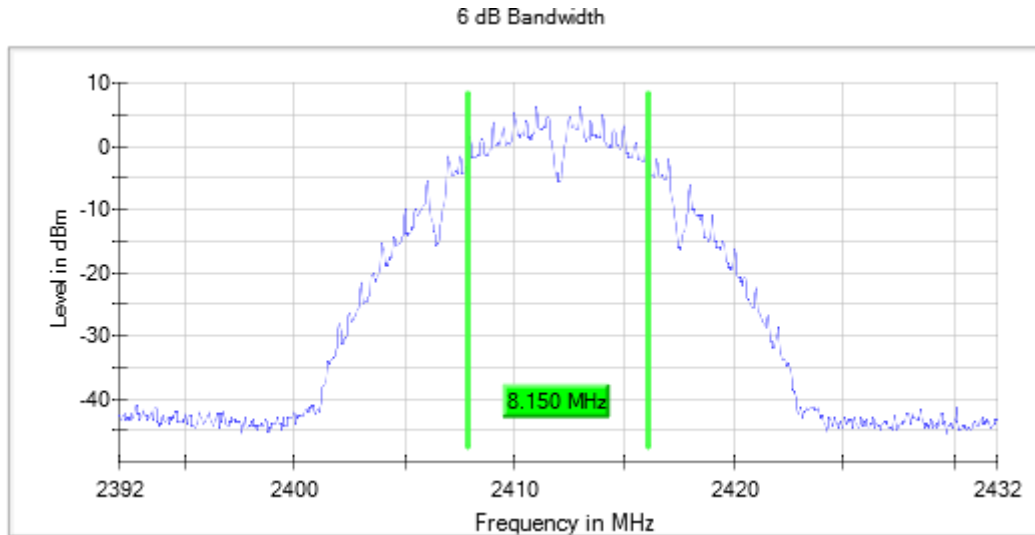
Verdict

Pass

Attachments

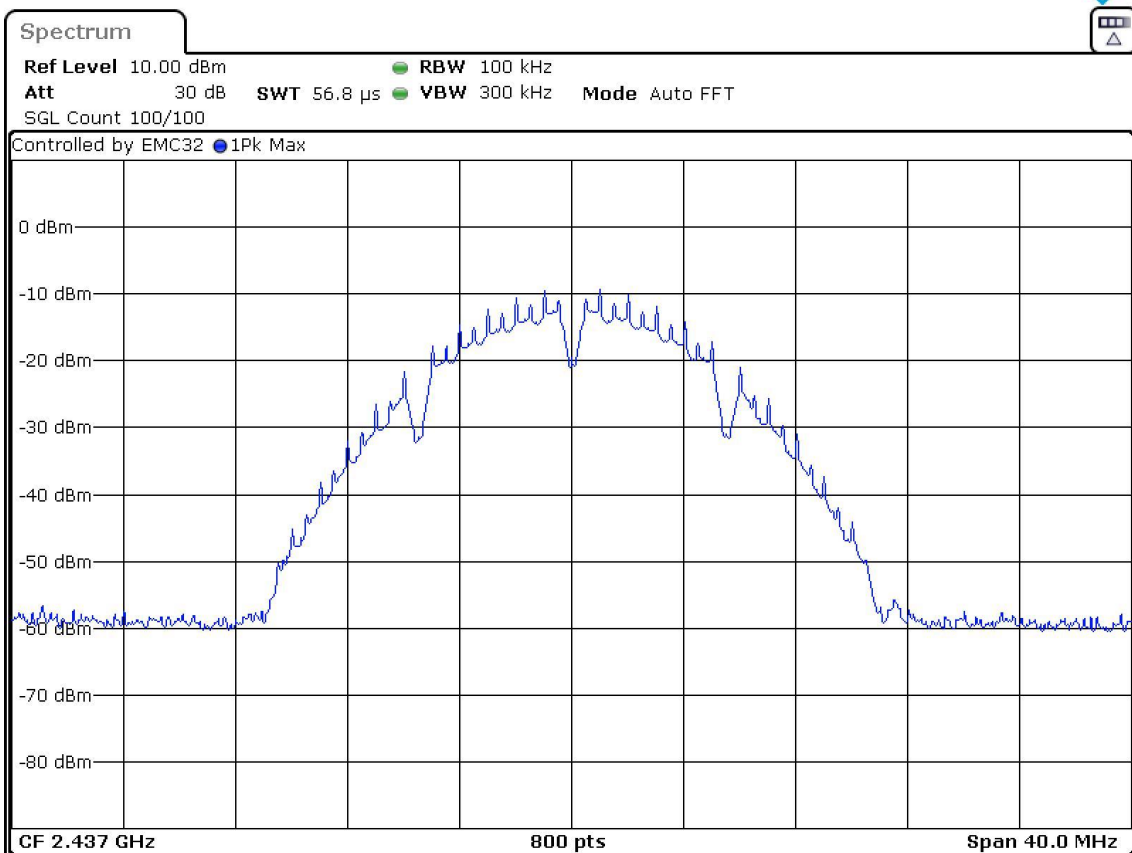
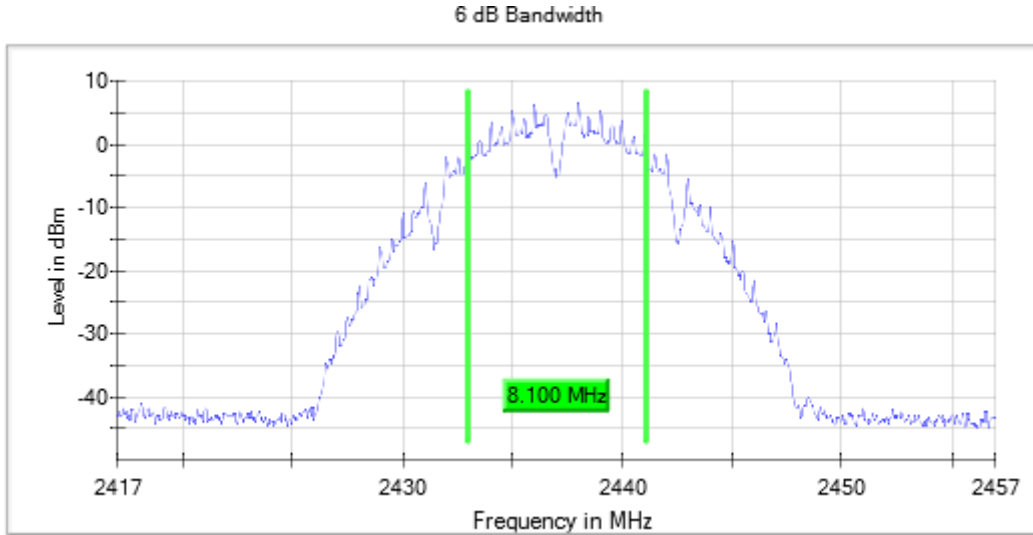
Bandwidth MHz = 20 Modulation = 802.11b (DSSS 1 Mbit/s)
 Frequency MHz = 2412.00000 MIMO Mode = SISO
 Active Port = 1

Images:



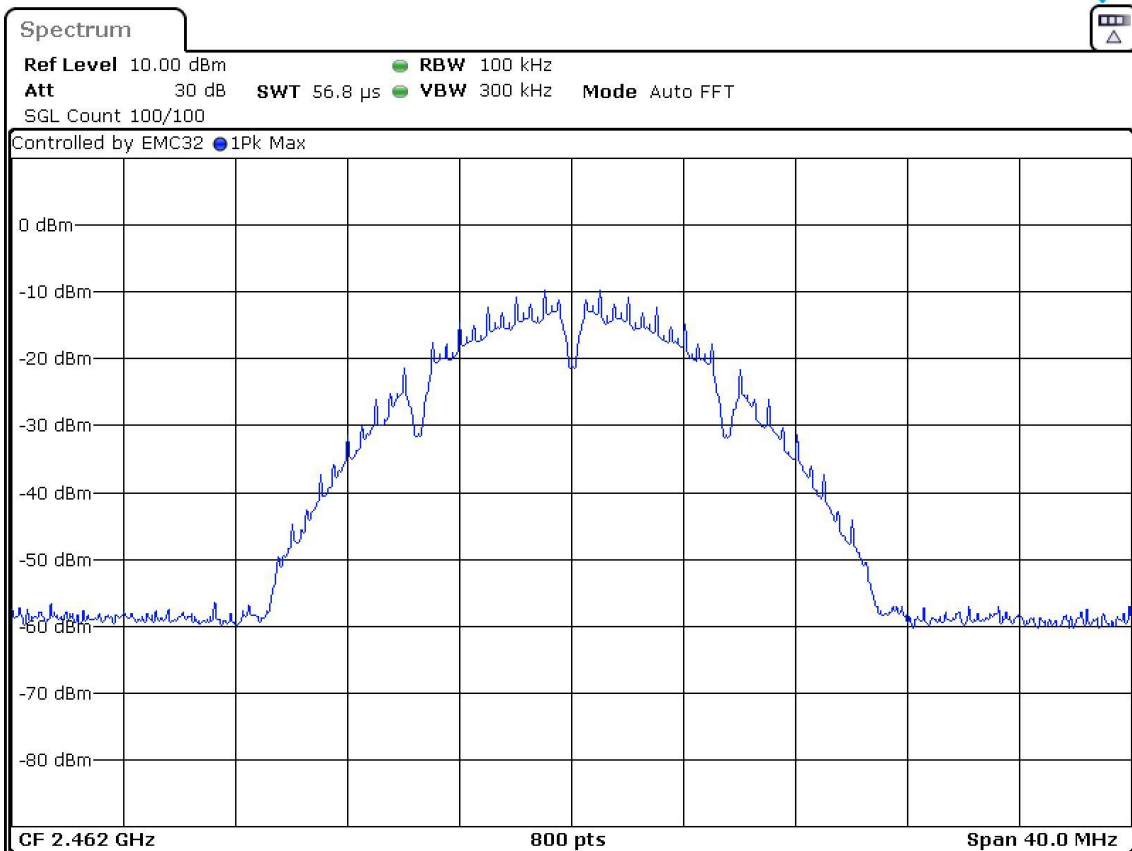
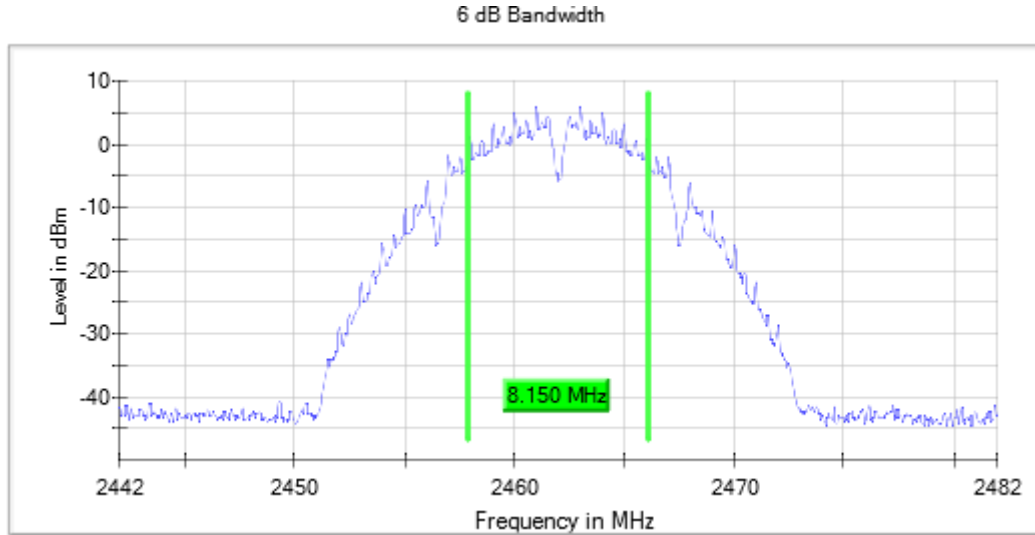
Bandwidth MHz = 20 Modulation = 802.11b (DSSS 1 Mbit/s)
Frequency MHz = 2437.00000 MIMO Mode = SISO
Active Port = 1

Images:



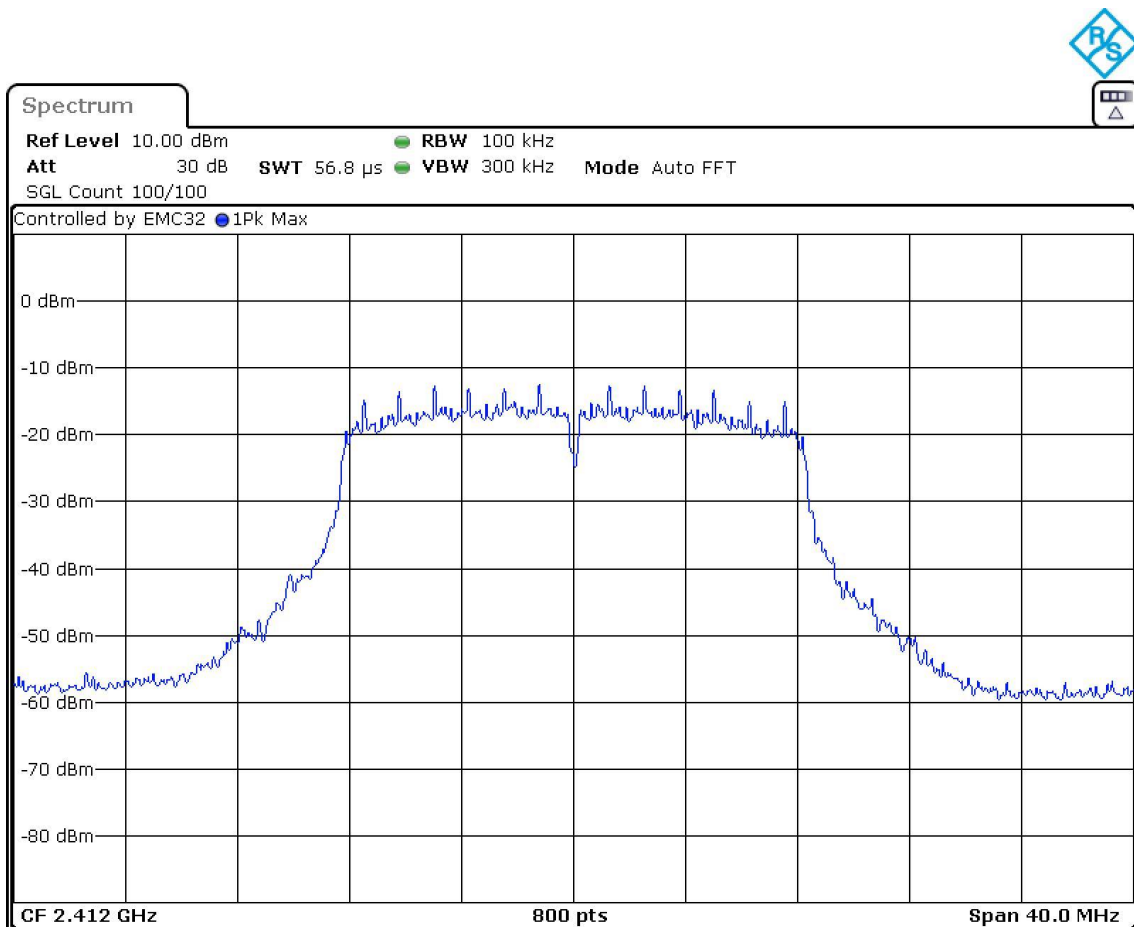
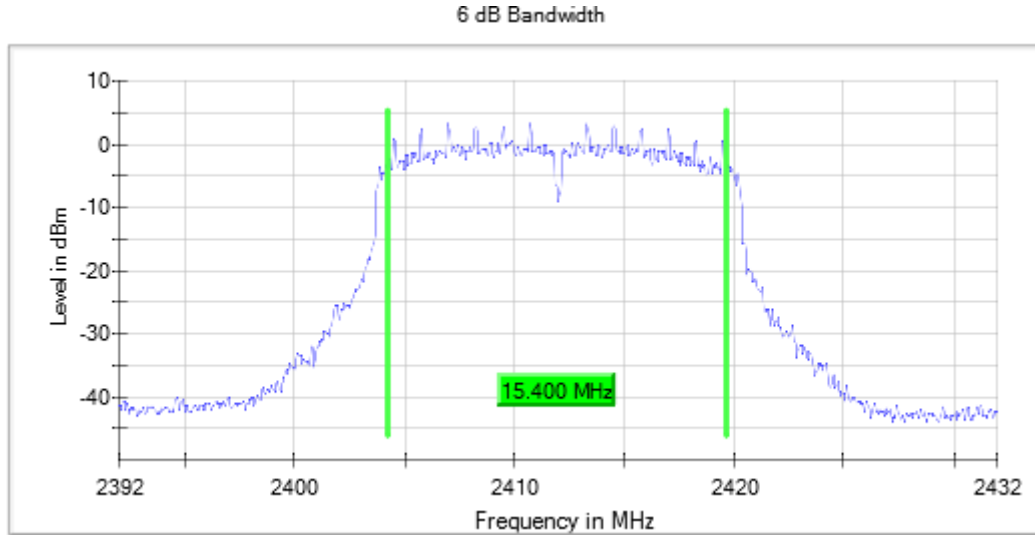
Bandwidth MHz = 20 Modulation = 802.11b (DSSS 1 Mbit/s)
 Frequency MHz = 2462.00000 MIMO Mode = SISO
 Active Port = 1

Images:



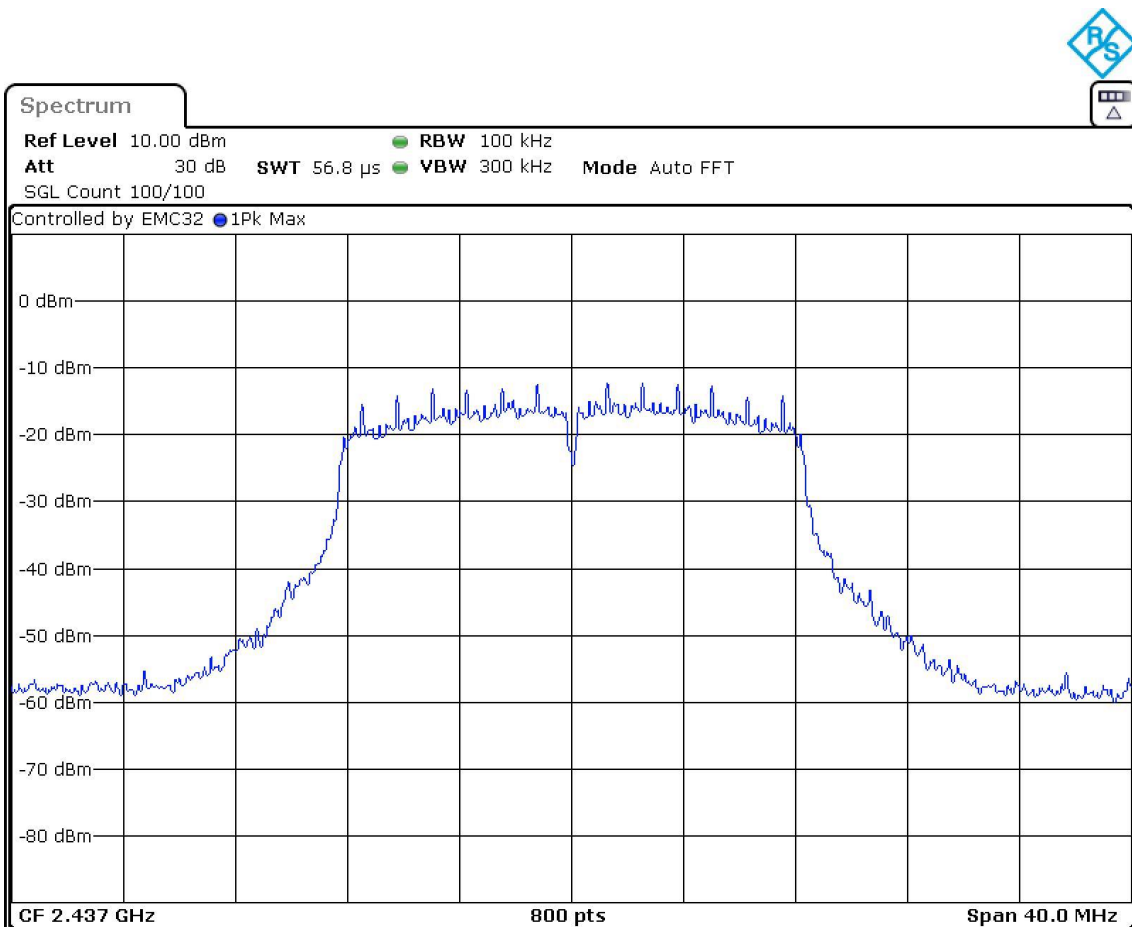
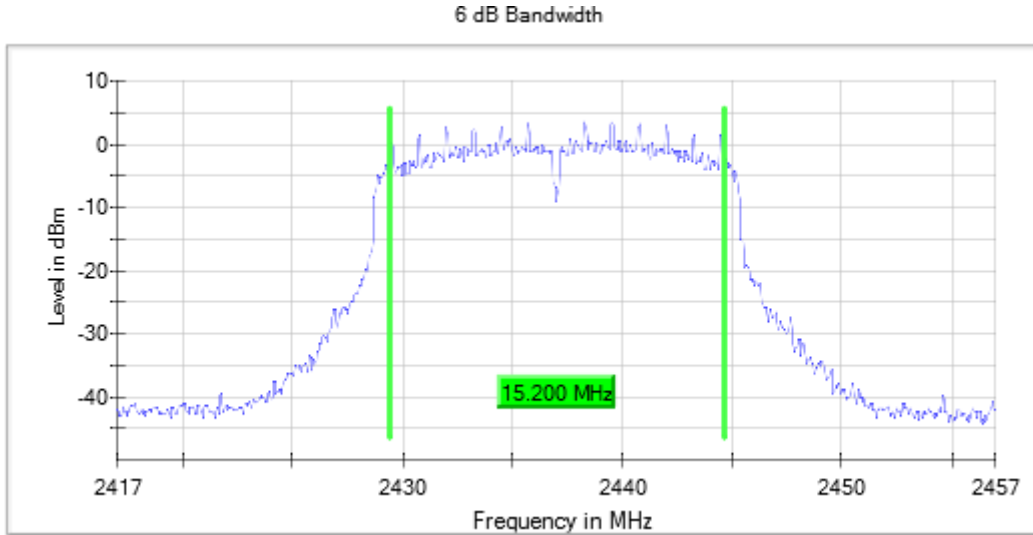
Bandwidth MHz = 20 Modulation = 802.11g (OFDM 6 Mbit/s)
Frequency MHz = 2412.00000 MIMO Mode = SISO
Active Port = 1

Images:



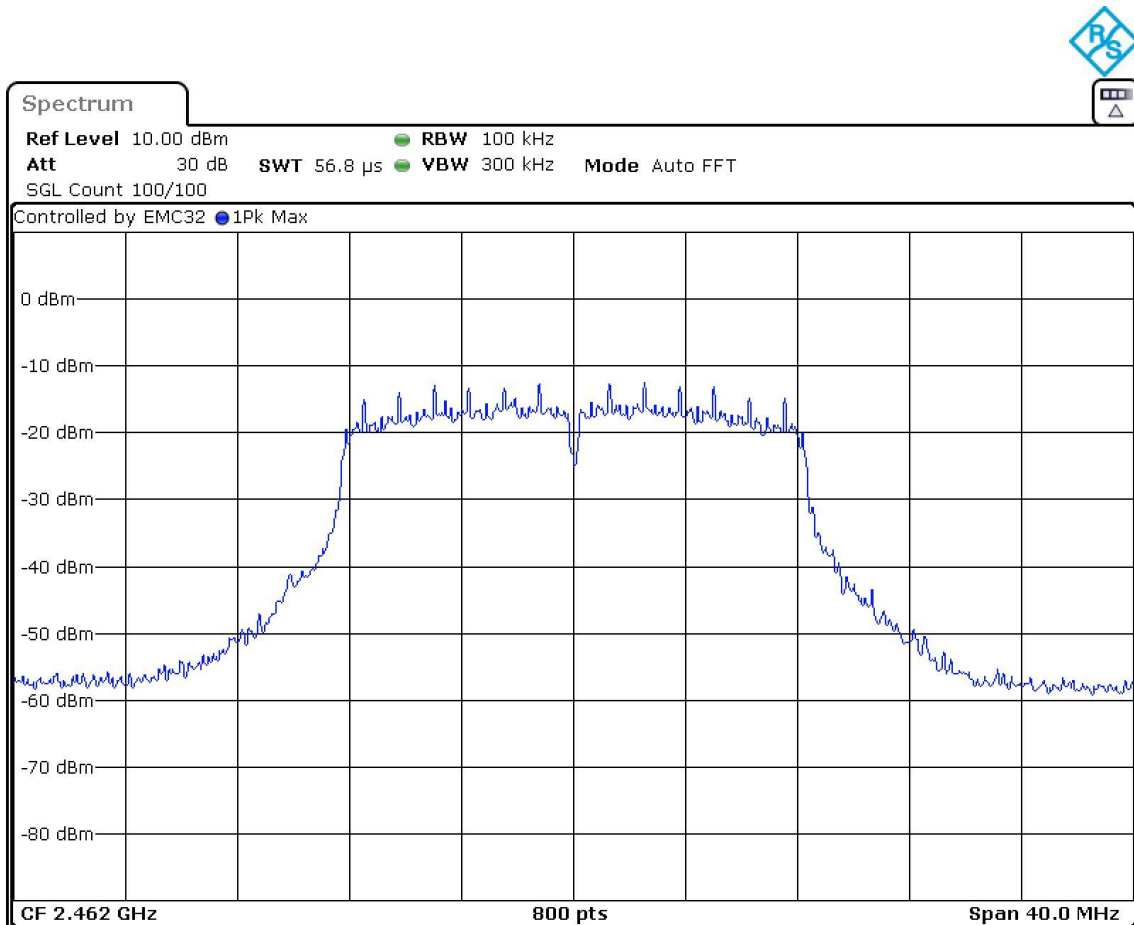
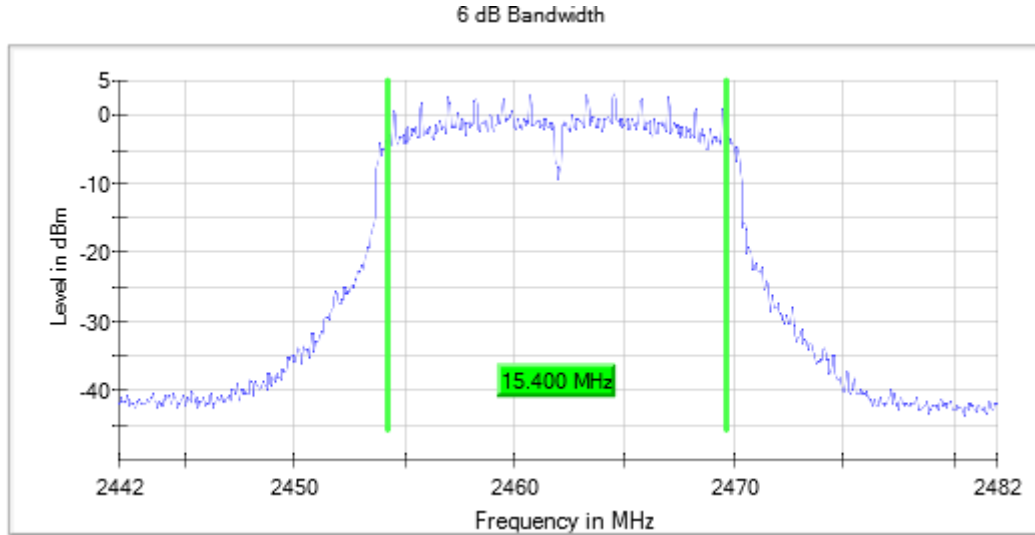
Bandwidth MHz = 20 Modulation = 802.11g (OFDM 6 Mbit/s)
Frequency MHz = 2437.00000 MIMO Mode = SISO
Active Port = 1

Images:



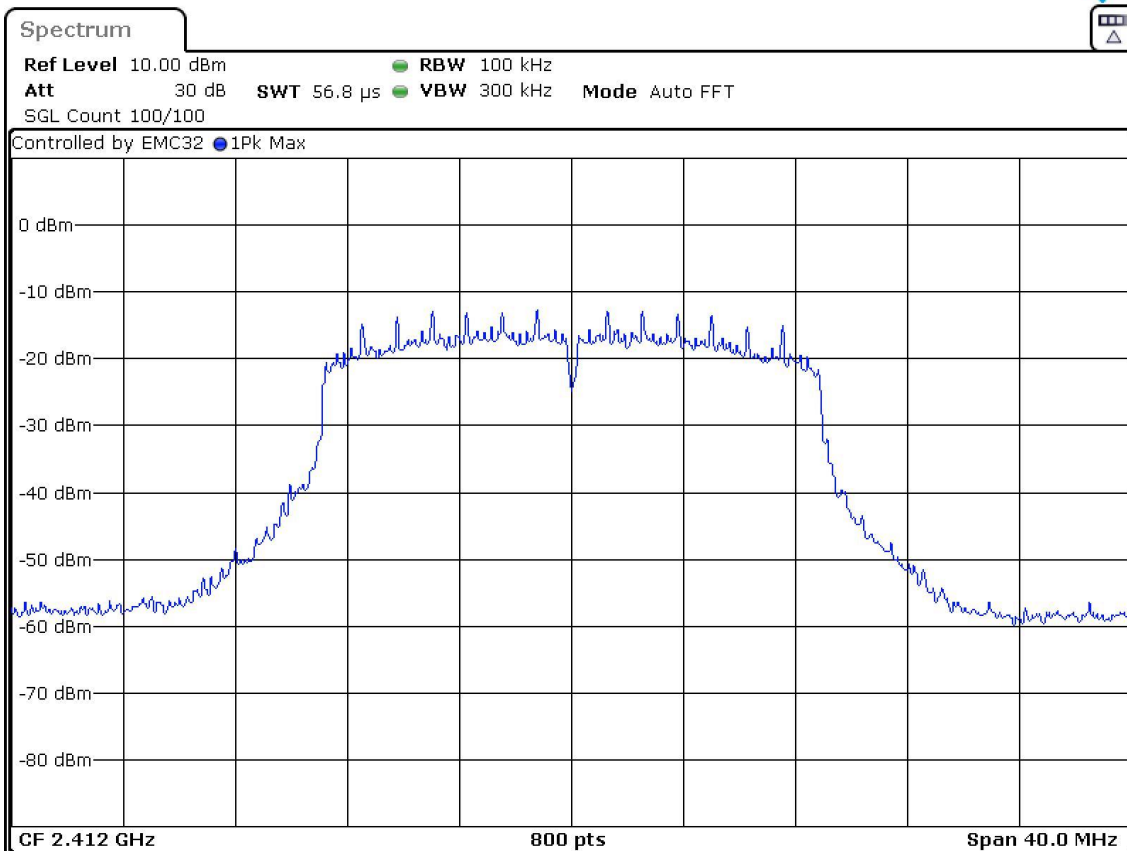
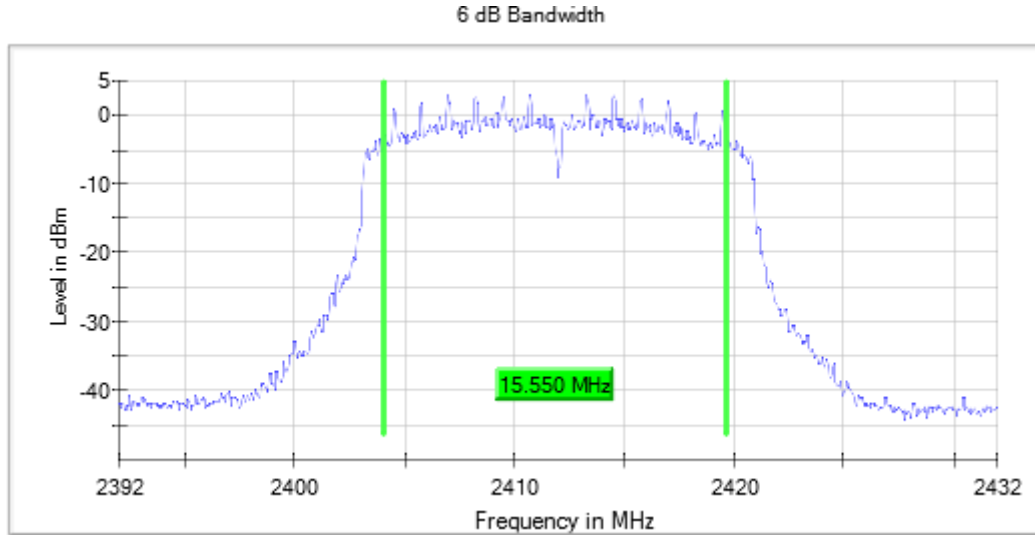
Bandwidth MHz = 20 Modulation = 802.11g (OFDM 6 Mbit/s)
Frequency MHz = 2462.00000 MIMO Mode = SISO
Active Port = 1

Images:



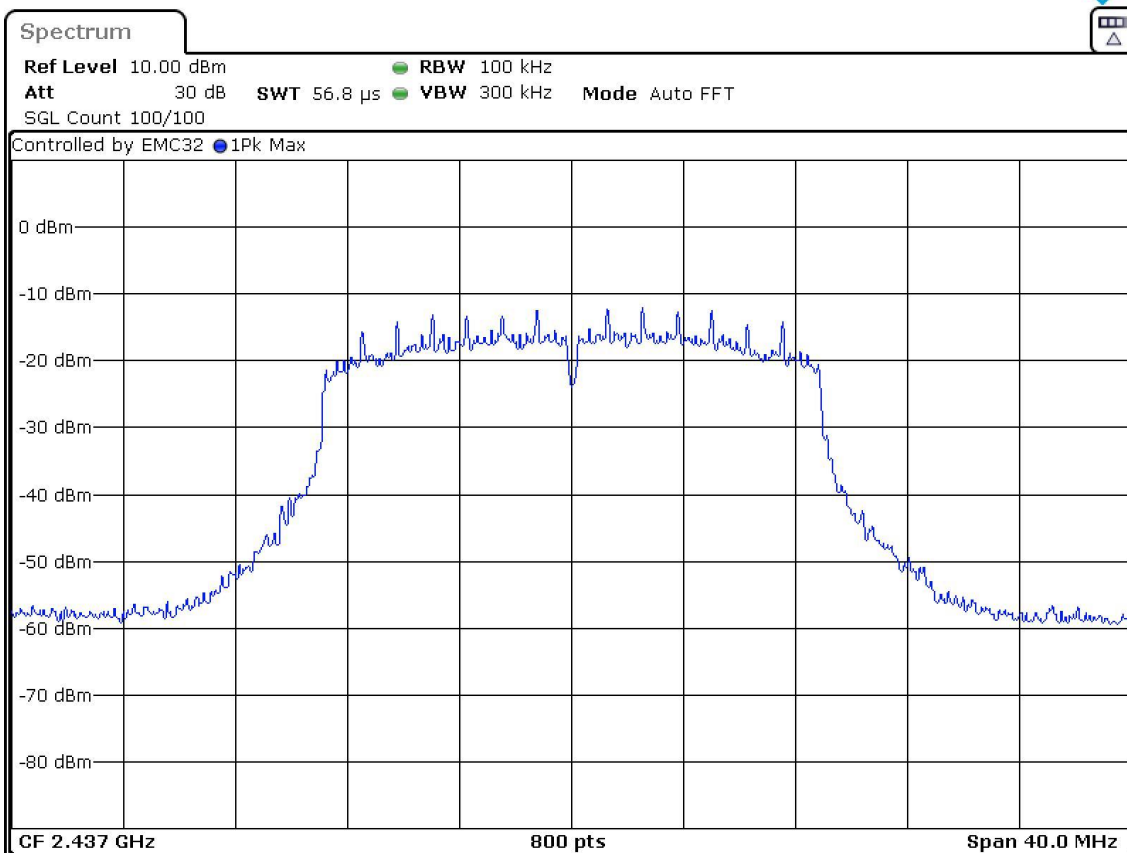
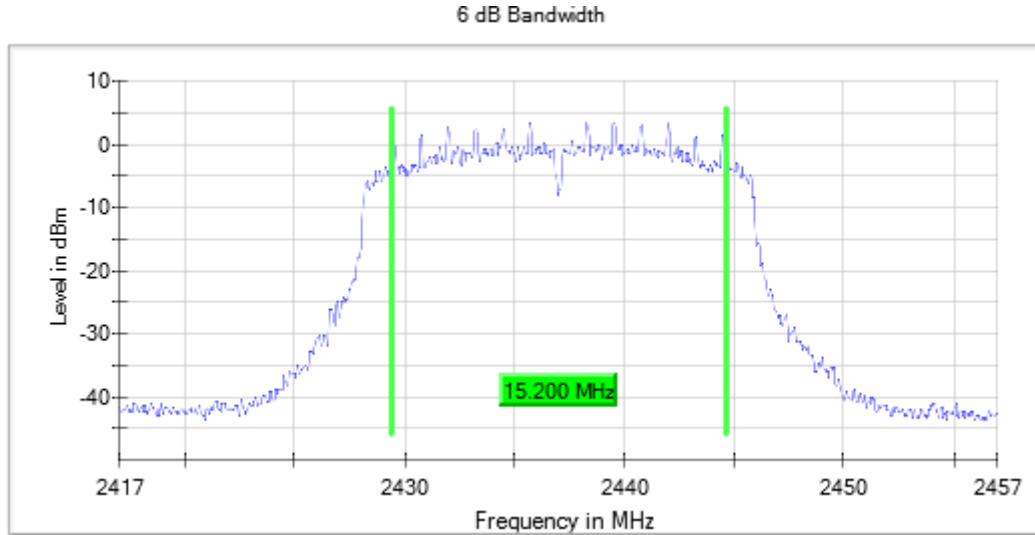
Bandwidth MHz = 20 Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)
Frequency MHz = 2412.00000 MIMO Mode = SISO
Active Port = 1

Images:



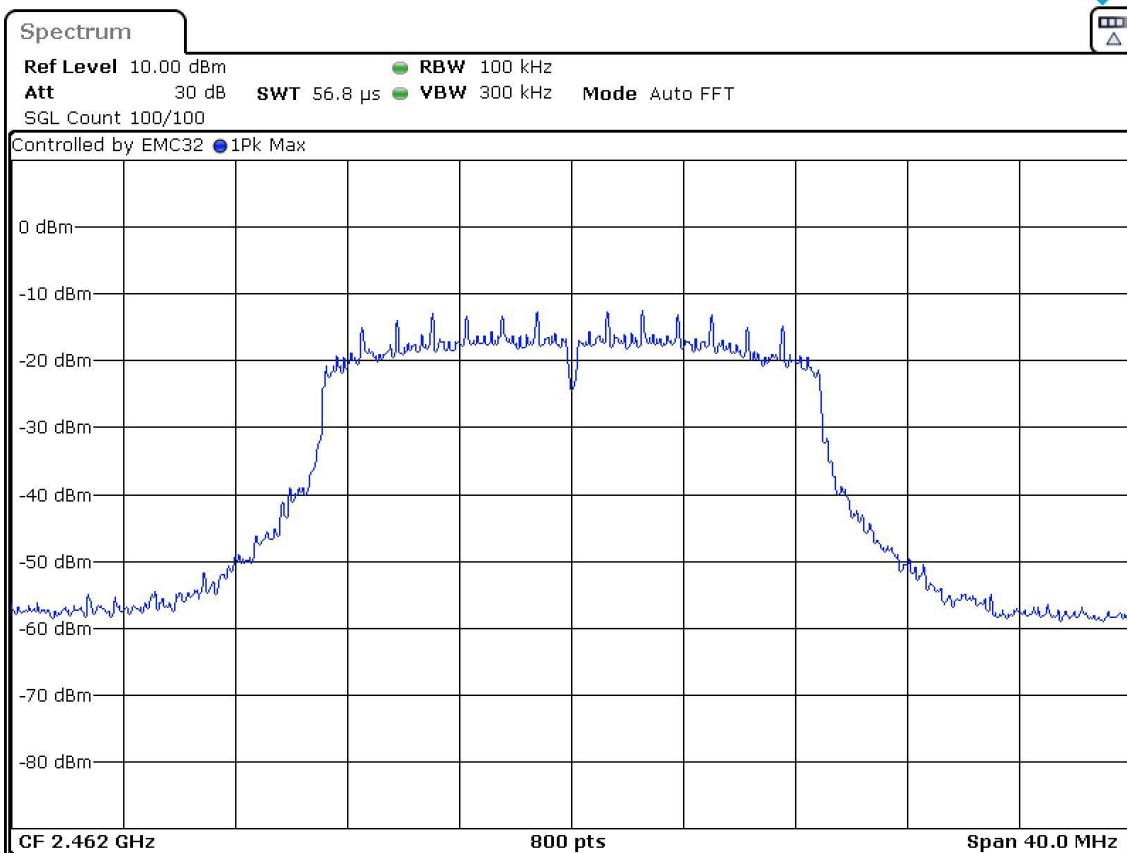
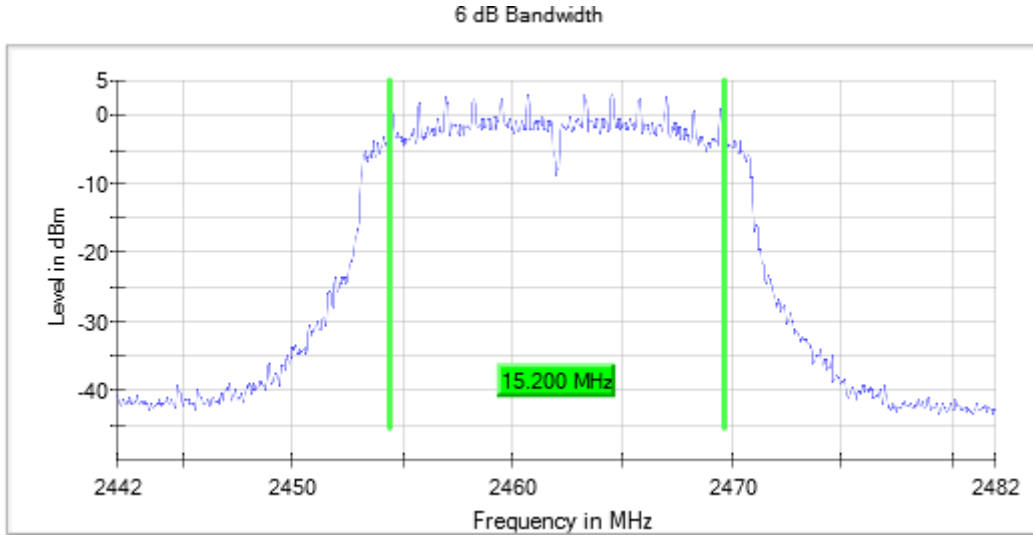
Bandwidth MHz = 20 Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)
Frequency MHz = 2437.00000 MIMO Mode = SISO
Active Port = 1

Images:



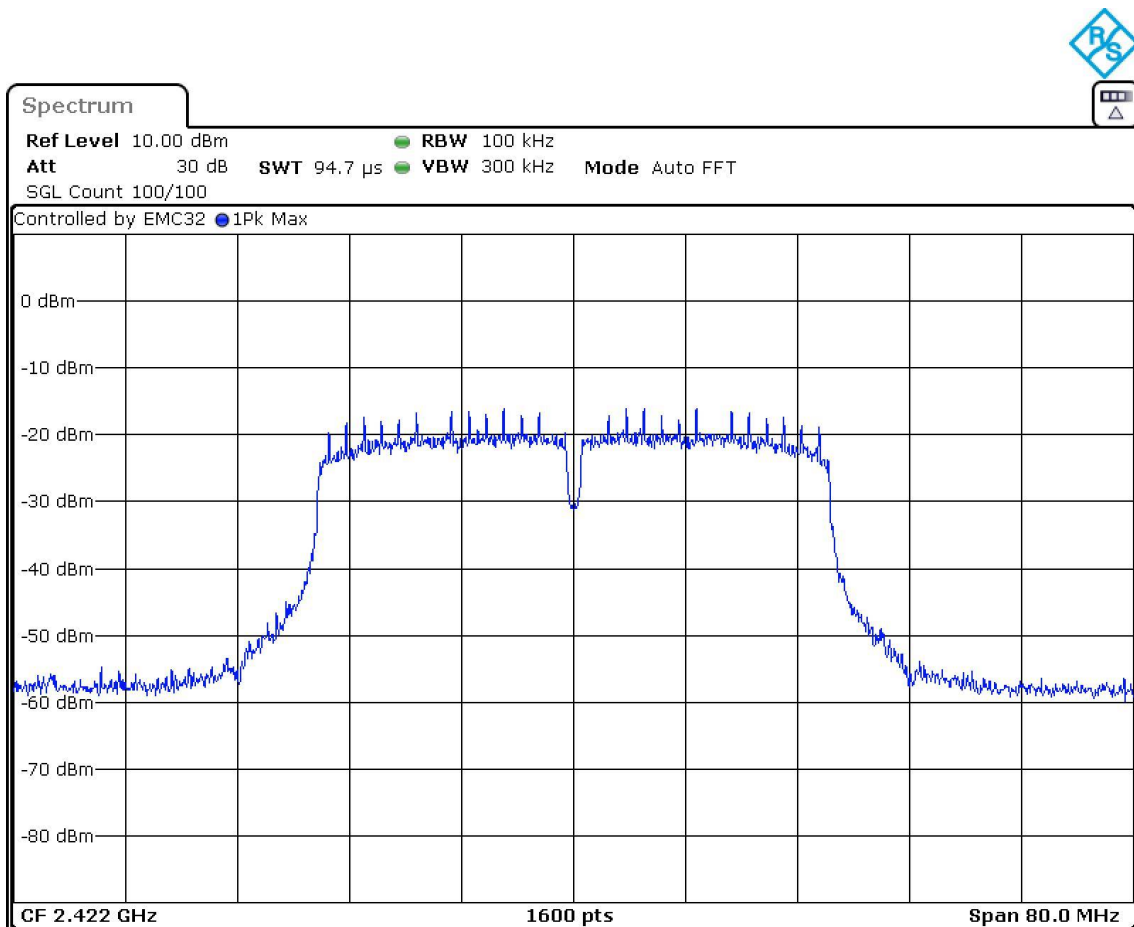
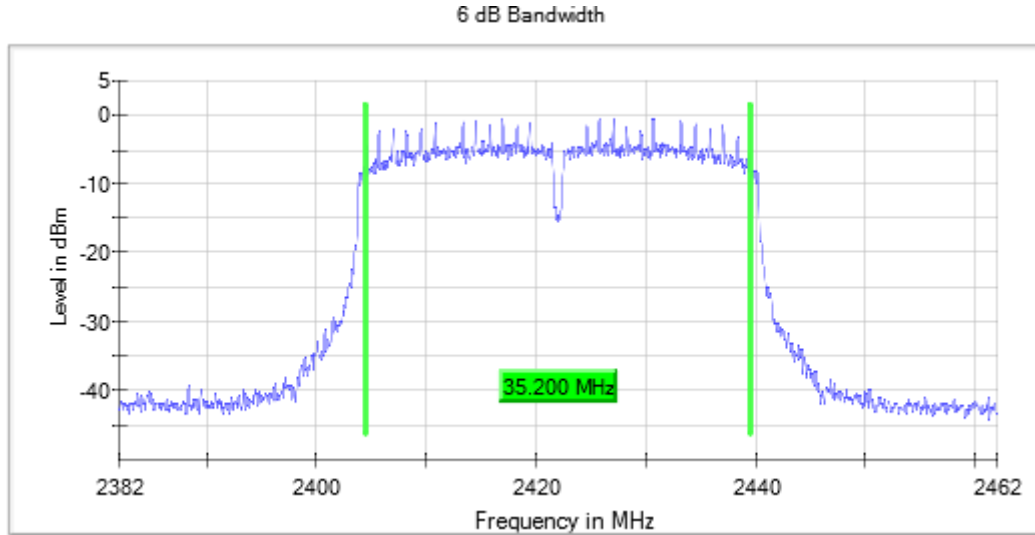
Bandwidth MHz = 20 Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)
 Frequency MHz = 2462.00000 MIMO Mode = SISO
 Active Port = 1

Images:



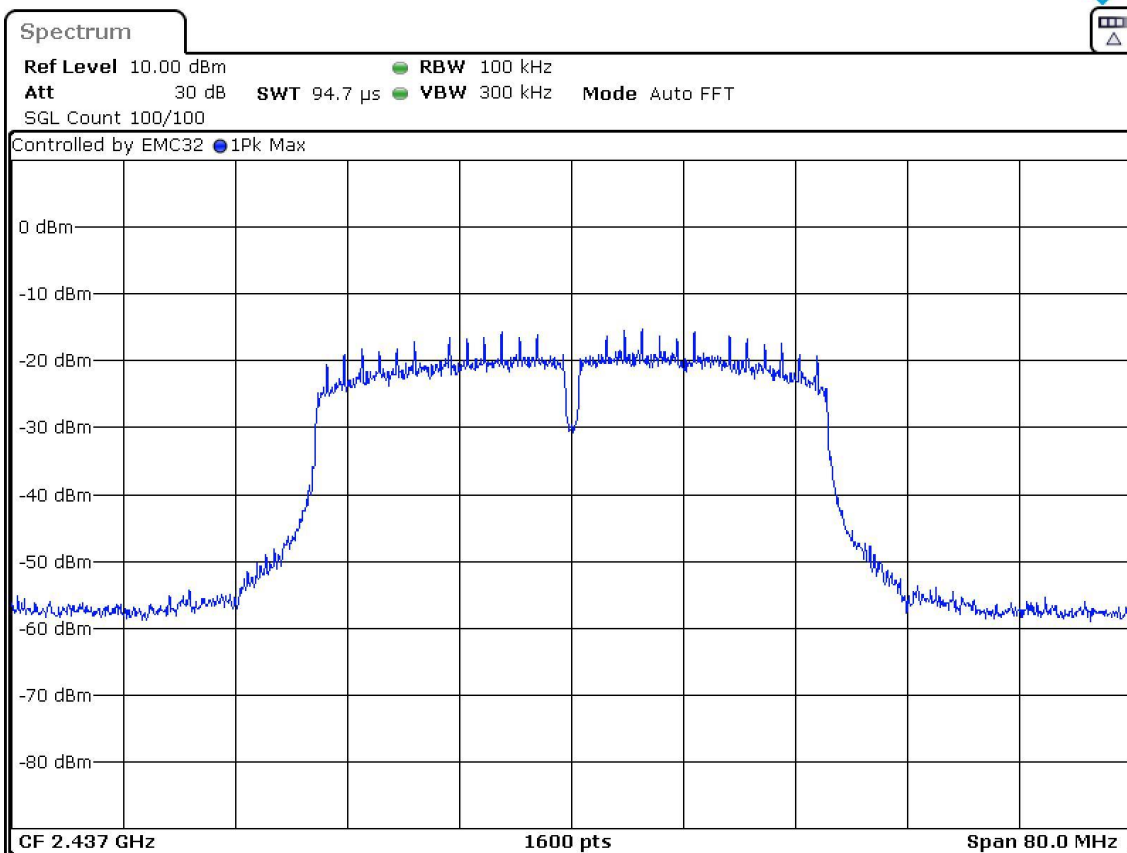
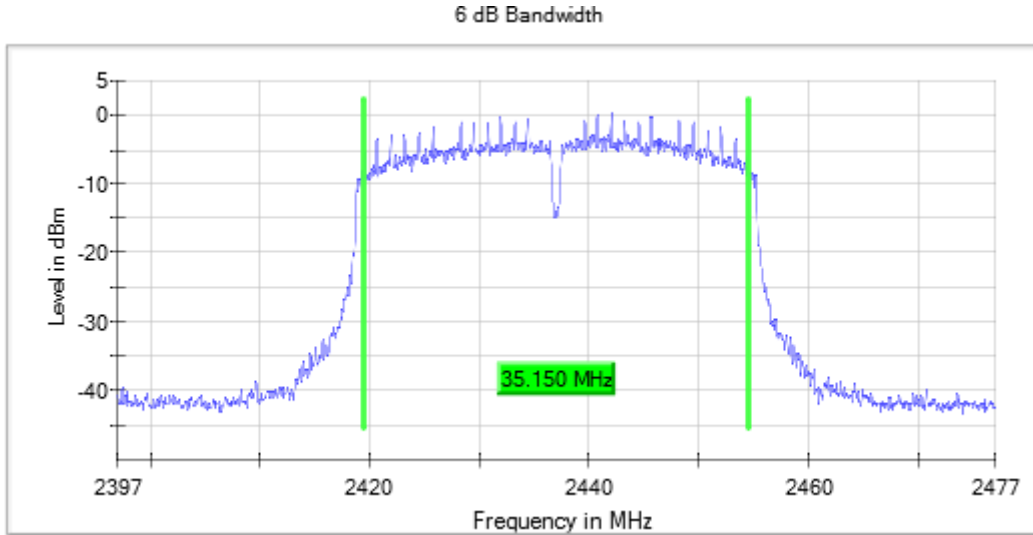
Bandwidth MHz = 40 Modulation = 802.11n HT40 (OFDM MCS0 13.5 Mbit/s)
 Frequency MHz = 2422.00000 MIMO Mode = SISO
 Active Port = 1

Images:



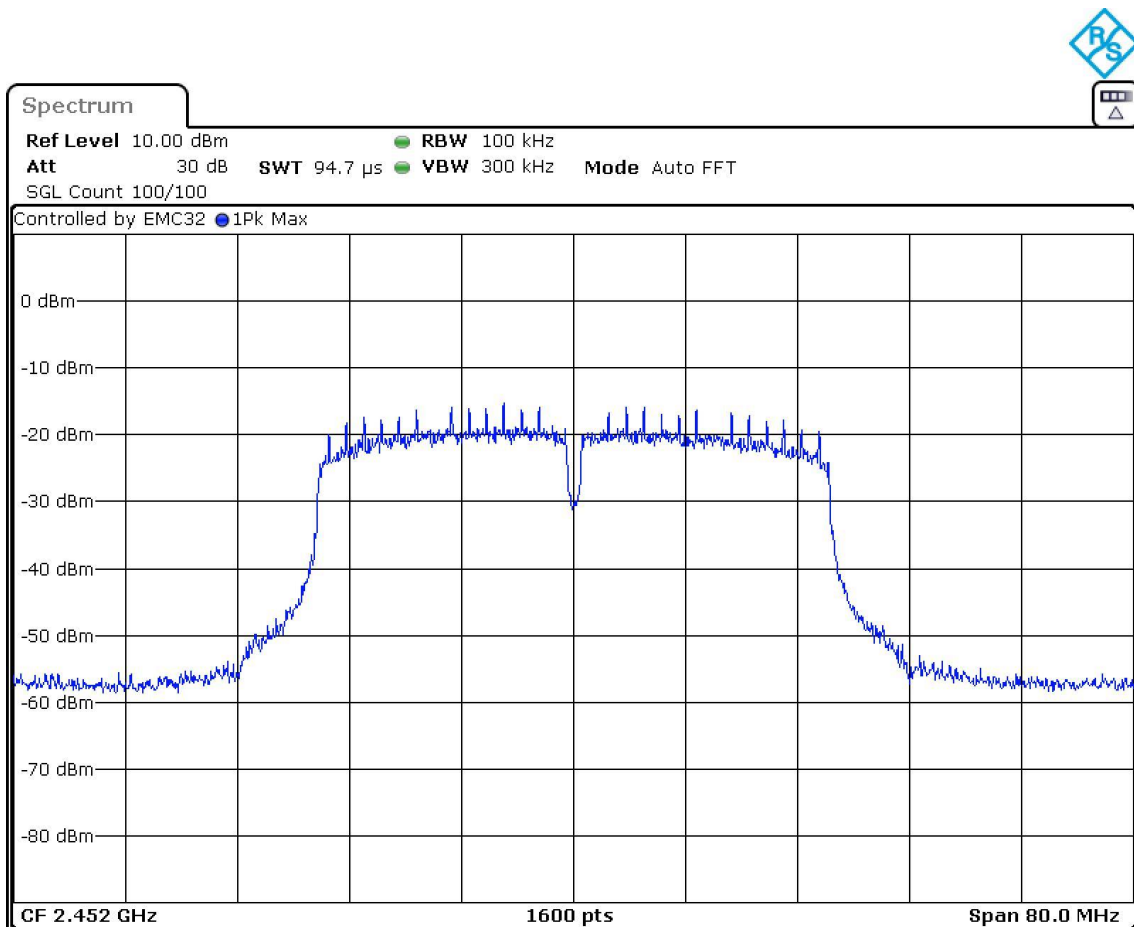
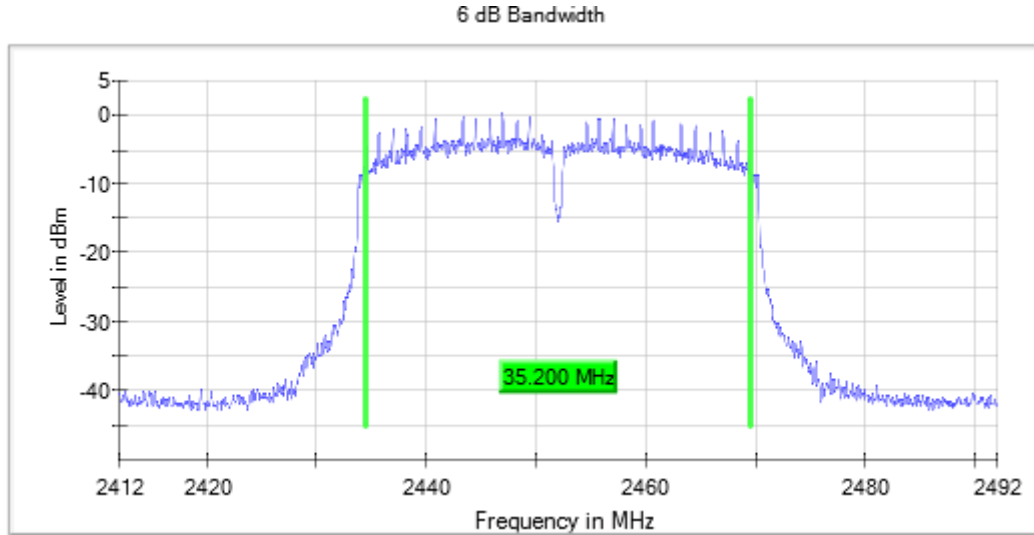
Bandwidth MHz = 40 Modulation = 802.11n HT40 (OFDM MCS0 13.5 Mbit/s)
 Frequency MHz = 2437.00000 MIMO Mode = SISO
 Active Port = 1

Images:



Bandwidth MHz = 40 Modulation = 802.11n HT40 (OFDM MCS0 13.5 Mbit/s)
Frequency MHz = 2452.00000 MIMO Mode = SISO
Active Port = 1

Images:



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	-2.40
		2437.00000		-2.43
		2462.00000		-2.77

Modulation: 802.11g (OFDM 6 Mbit/s)

Equipment	BW (MHz)	Freq (MHz)	Port	PSD (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	-6.10
		2437.00000		-5.81
		2462.00000		-6.28

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

Equipment	BW (MHz)	Freq (MHz)	Port	PSD (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	-6.63
		2437.00000		-6.24
		2462.00000		-6.73

Modulation: 802.11n HT40 (OFDM MCS0 13.5 Mbit/s)

Equipment	BW (MHz)	Freq (MHz)	Port	PSD (dBm)
Digital Transmission System (DTS)	40	2422.00000	1	-9.92
		2437.00000		-9.36
		2452.00000		-9.45

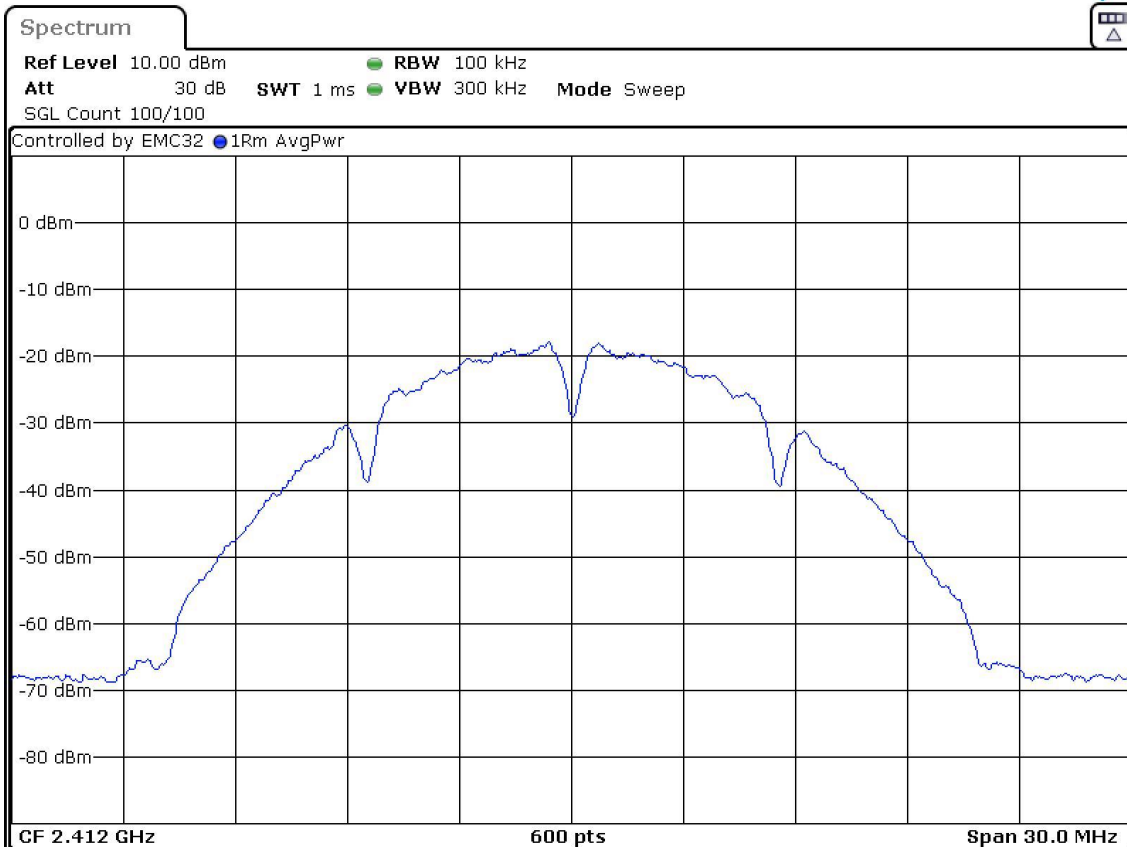
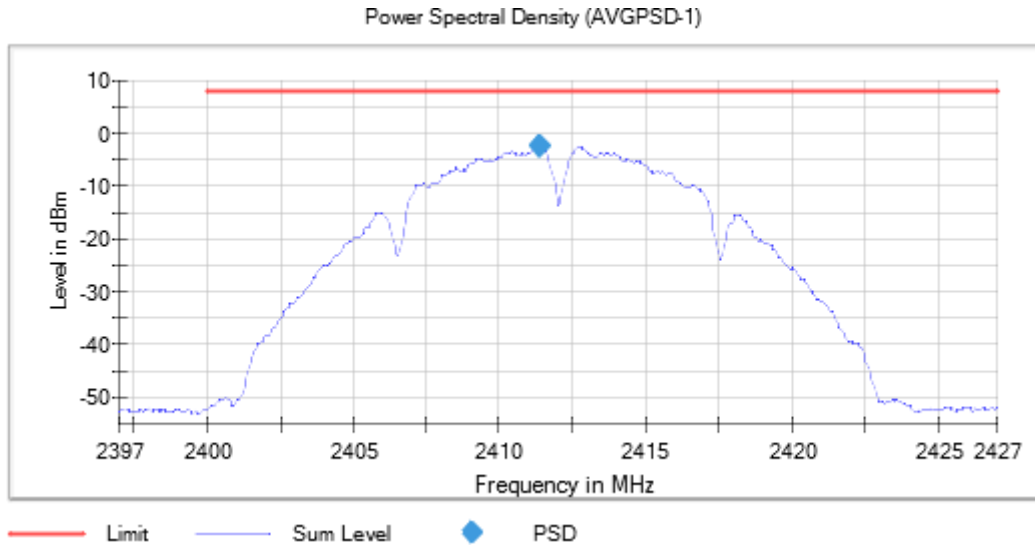
Verdict

Pass

Attachments

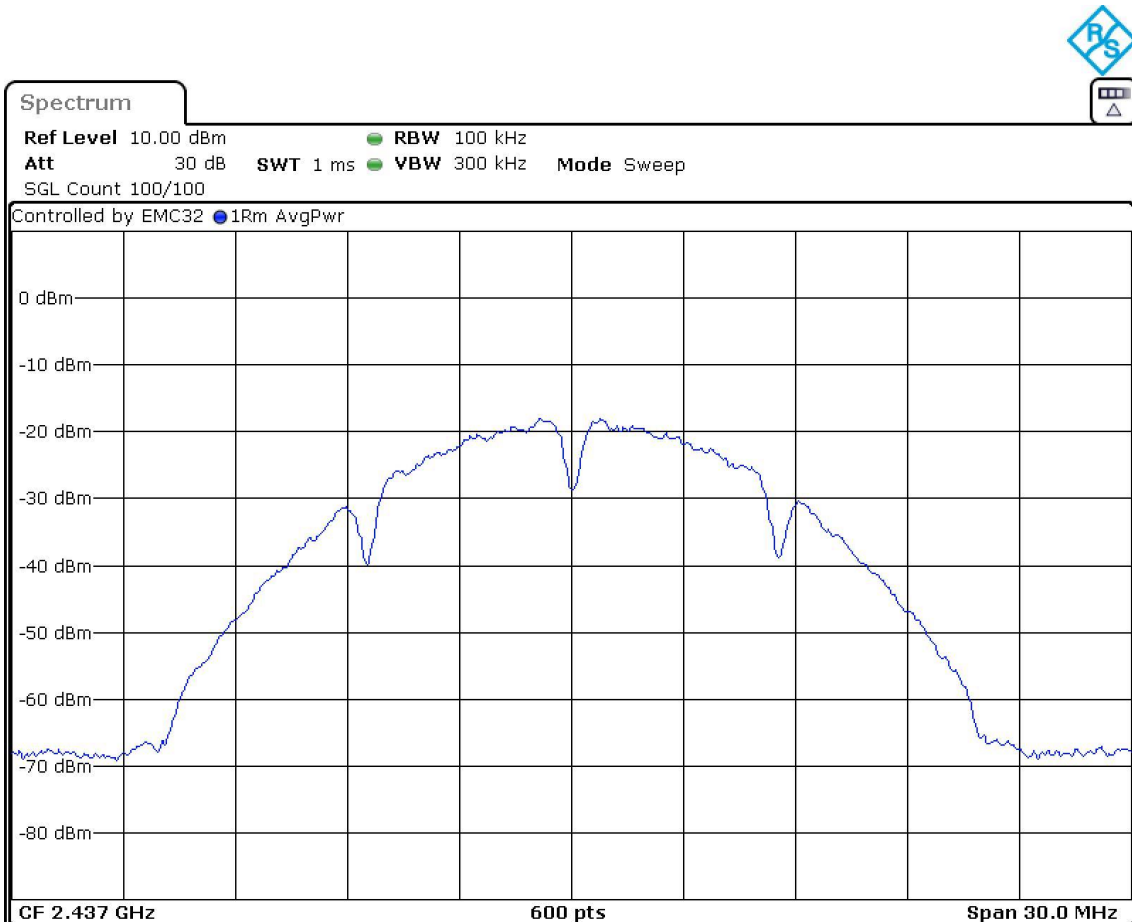
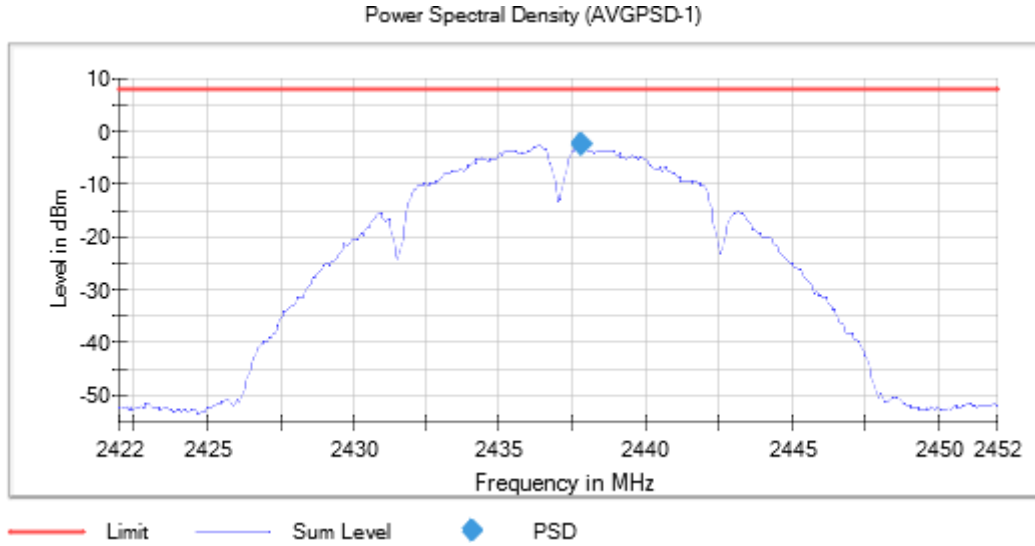
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2412.00000
 MIMO Mode = SISO Active Port = 1

Images:



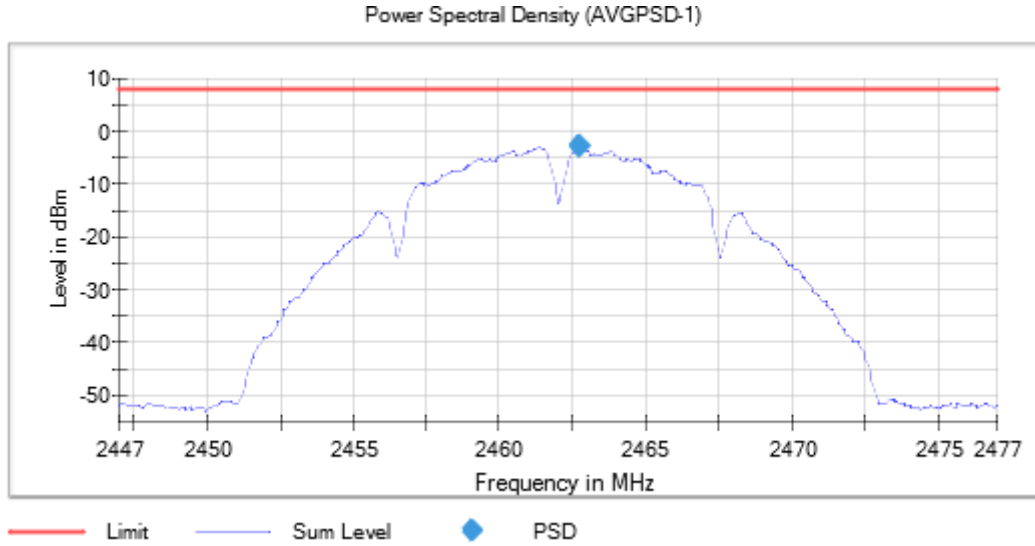
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2437.00000
 MIMO Mode = SISO Active Port = 1

Images:



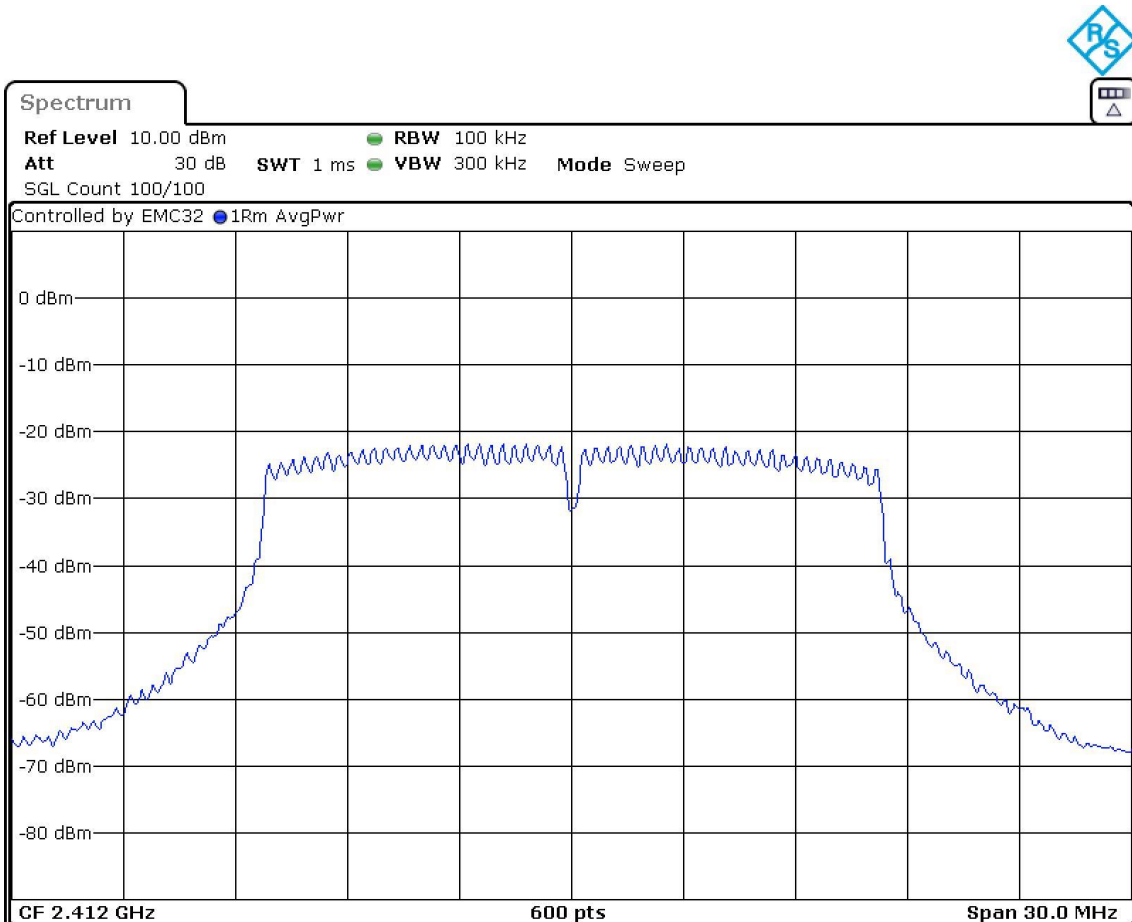
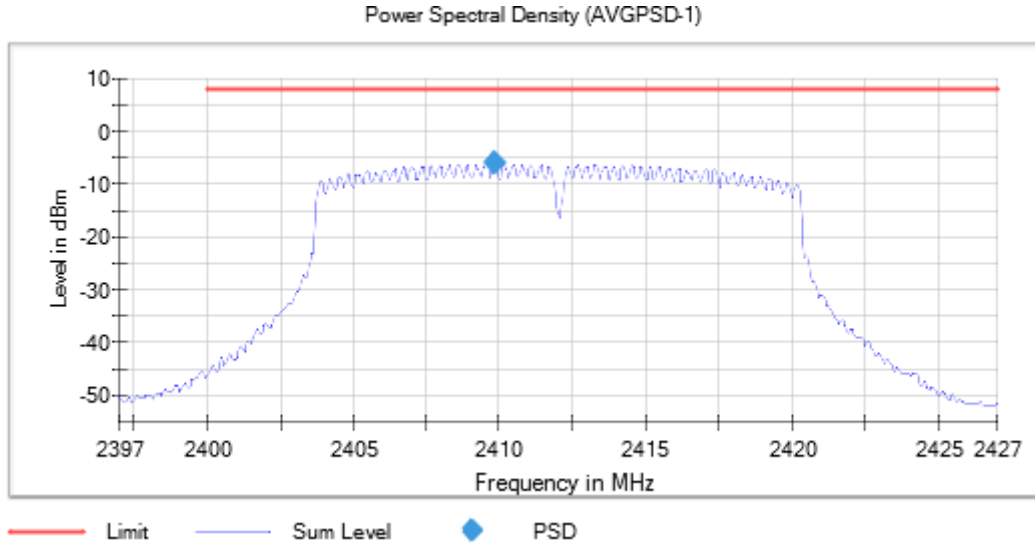
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11b (DSSS 1 Mbit/s) Frequency MHz = 2462.00000
 MIMO Mode = SISO Active Port = 1

Images:



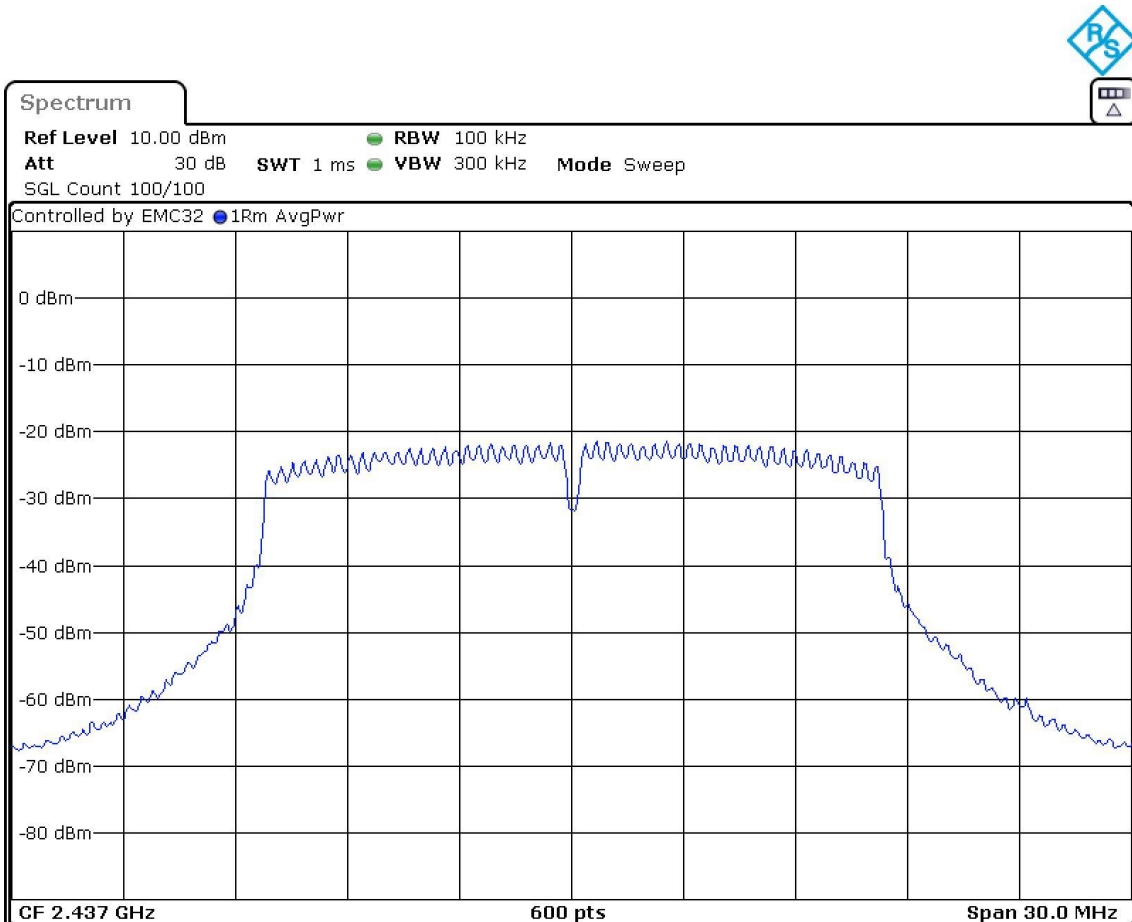
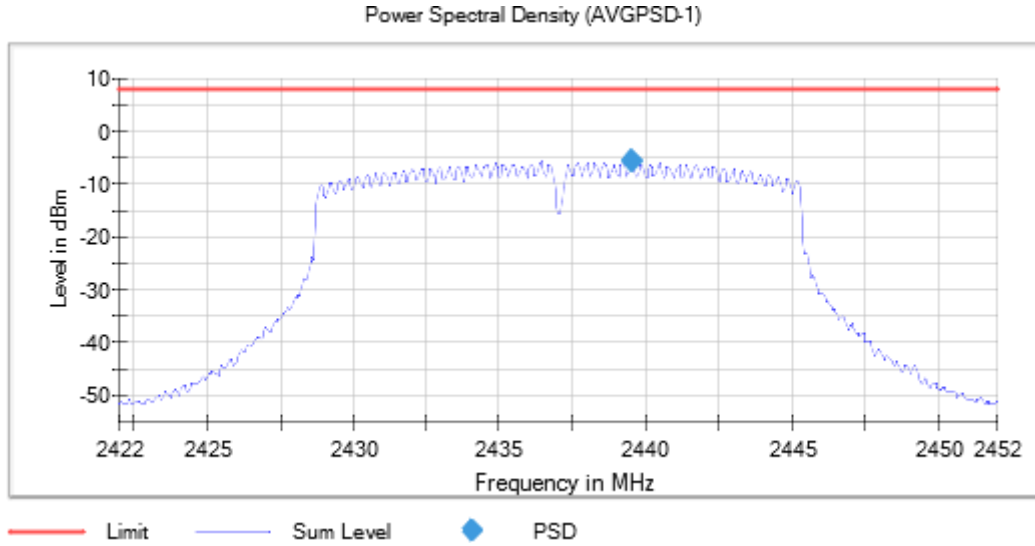
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2412.00000
 MIMO Mode = SISO Active Port = 1

Images:



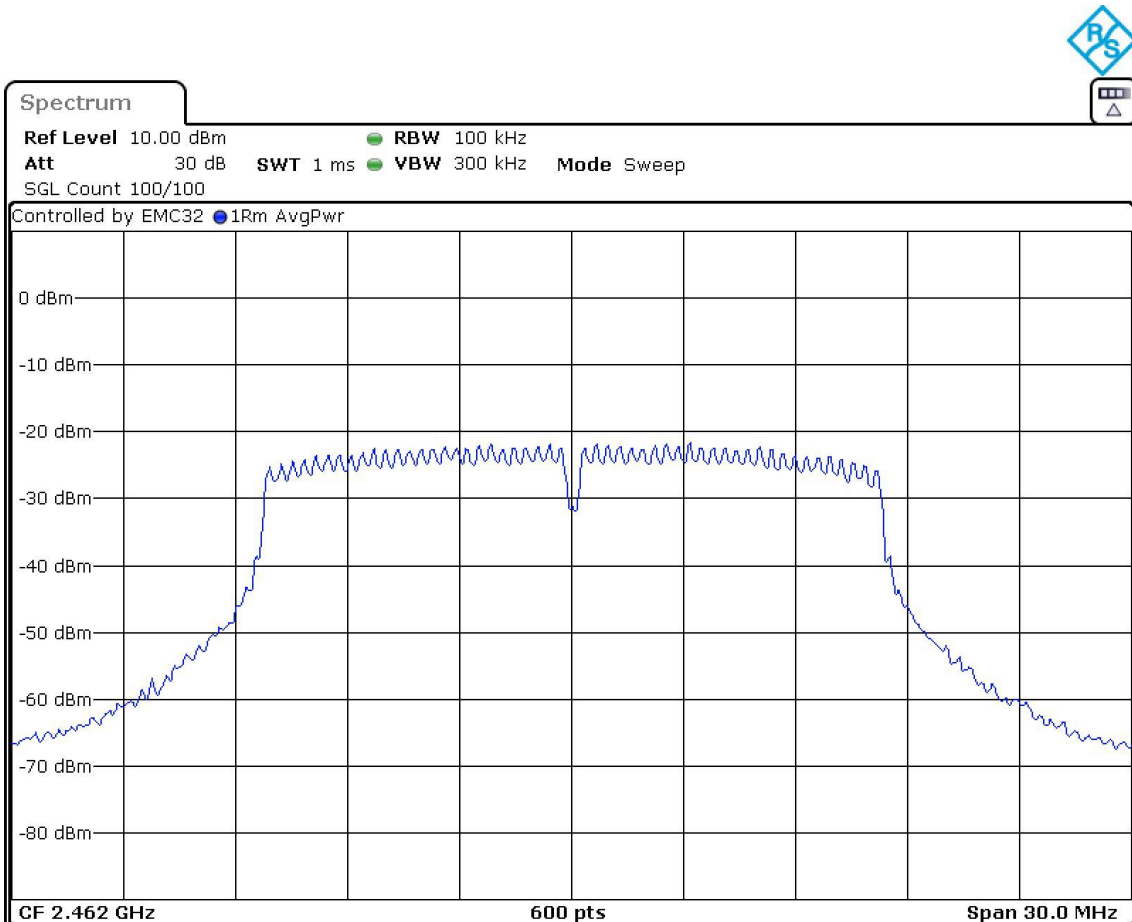
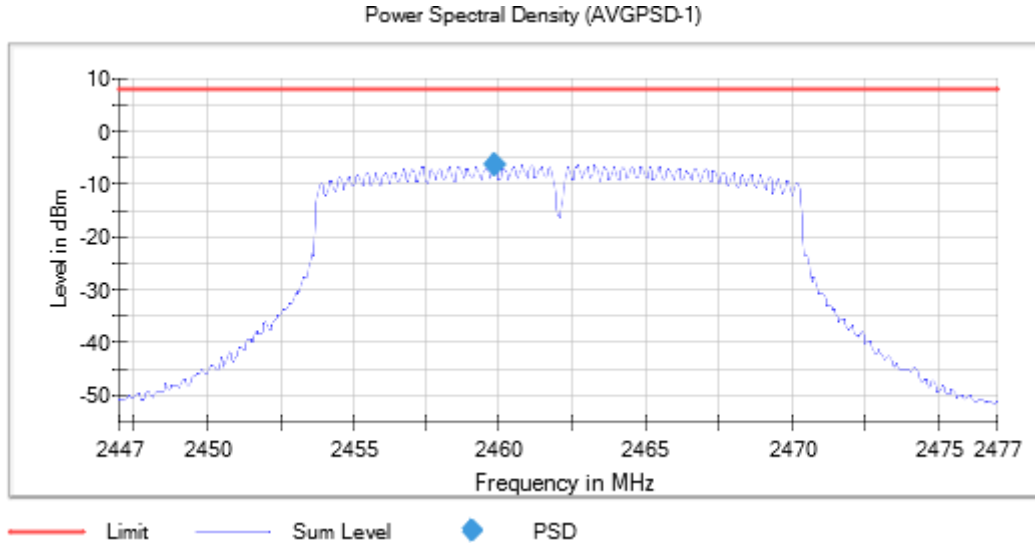
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2437.00000
 MIMO Mode = SISO Active Port = 1

Images:



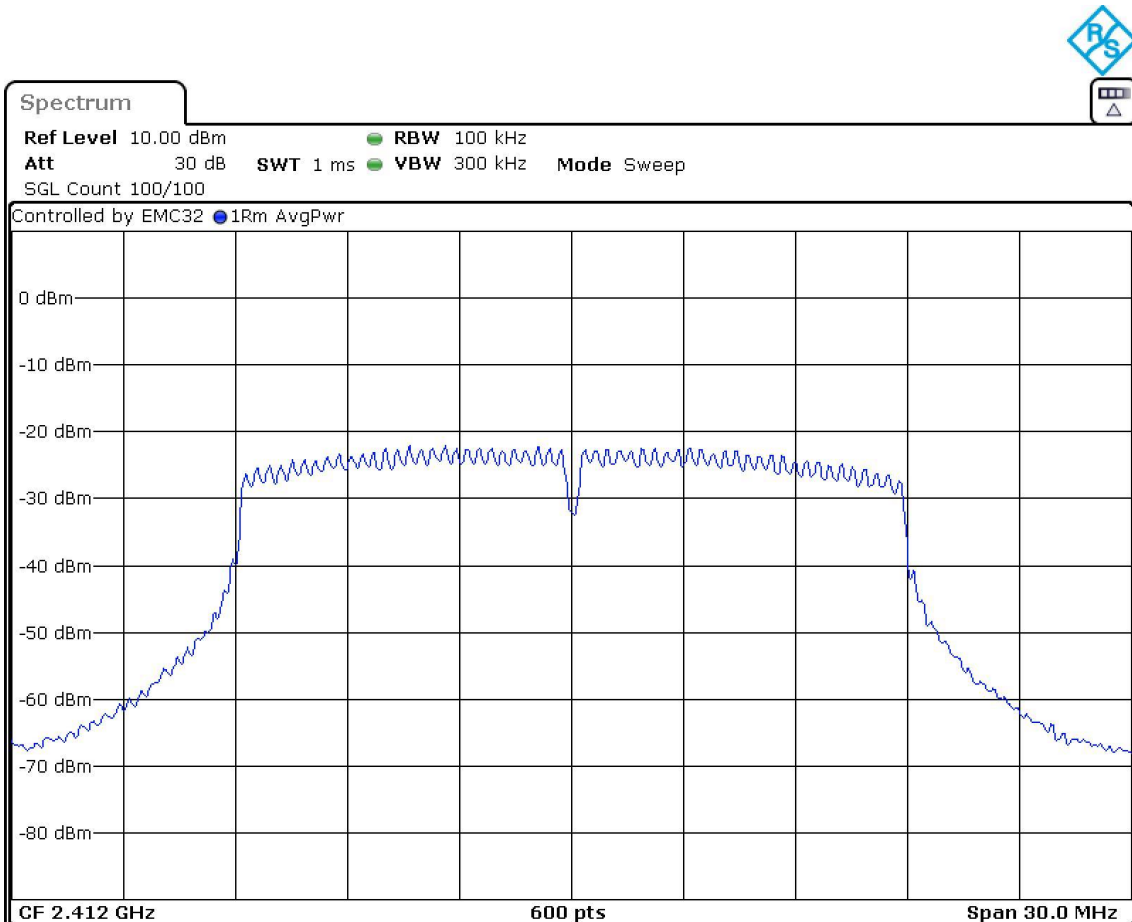
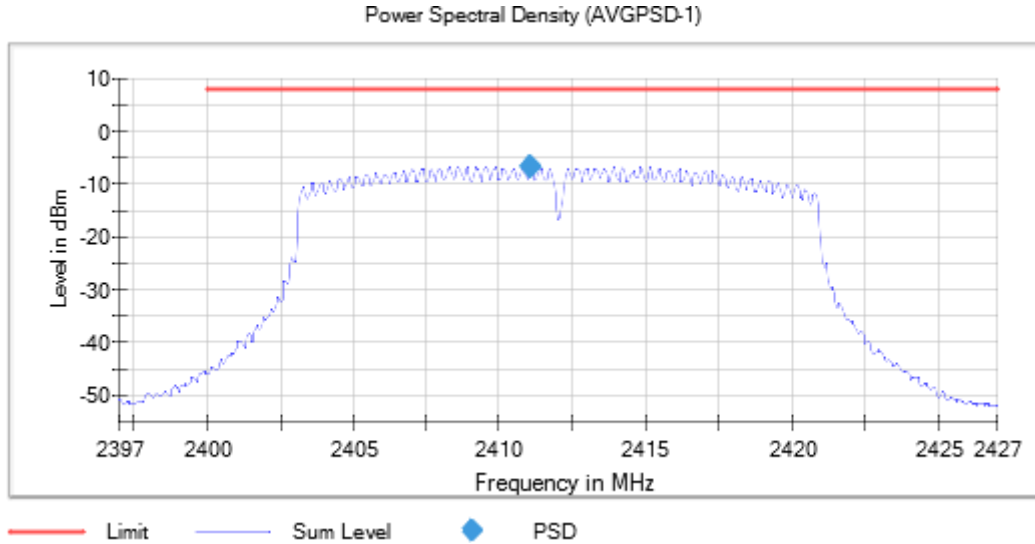
Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2462.00000
 MIMO Mode = SISO Active Port = 1

Images:



Equipment Type = Digital Transmission System (DTS) Bandwidth MHz = 20
 Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s) 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 6.5 Mbit/s) Frequency MHz = 2437.00000
 MIMO Mode = SISO Active Port = 1

Images:

