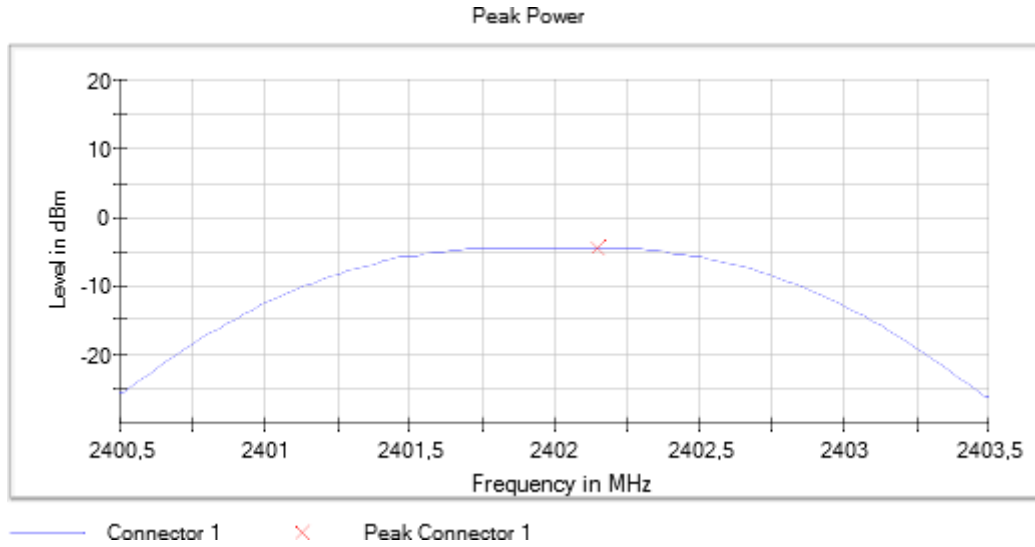


**Attachments**

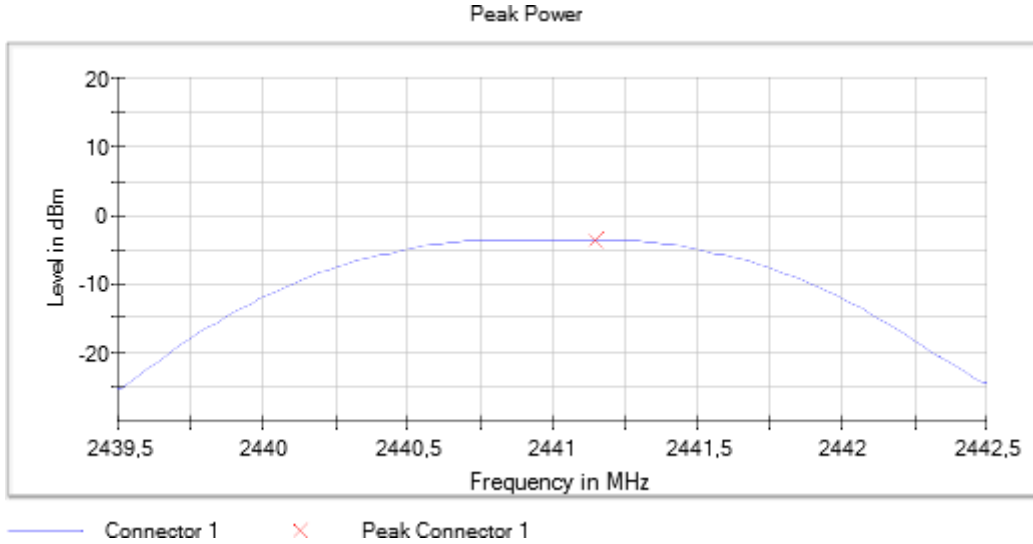
**Frequency (MHz) = 2402.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (GFSK 1-DH5), Number of Transmission Chains = 1, Active Port: 1**

**Plots:**



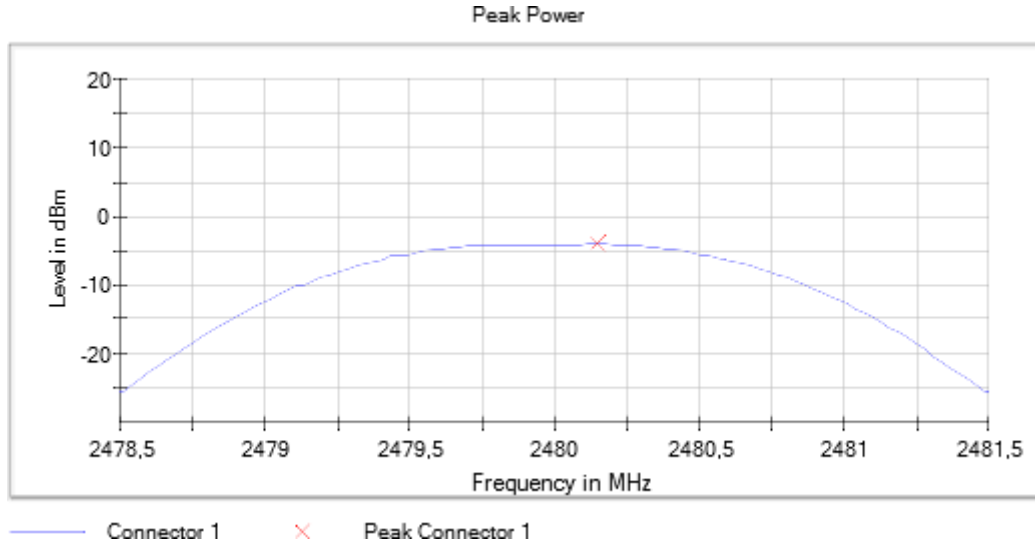
**Frequency (MHz) = 2441.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (GFSK 1-DH5), Number of Transmission Chains = 1, Active Port: 1**

**Plots:**



**Frequency (MHz) = 2480.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (GFSK 1-DH5), Number of Transmission Chains = 1, Active Port: 1**

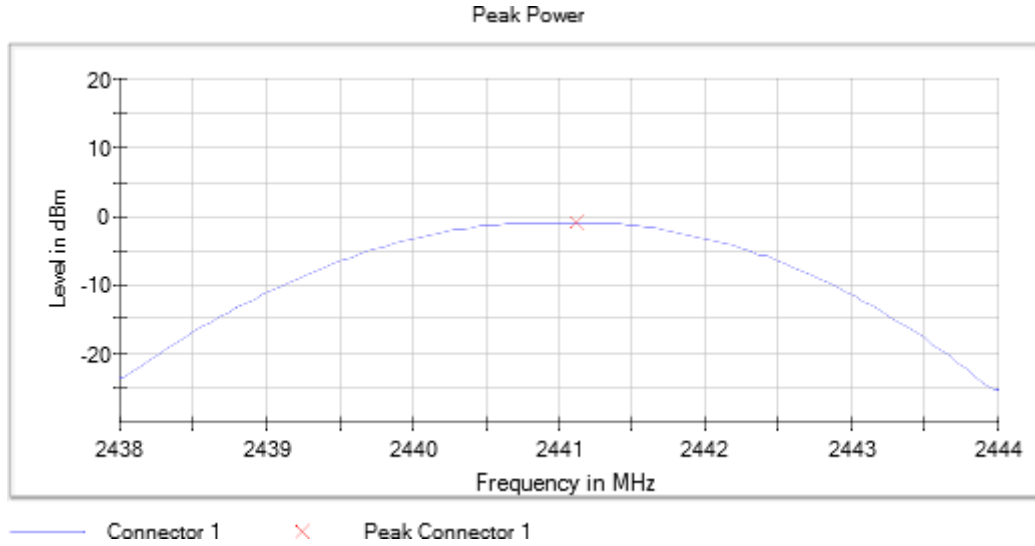
**Plots:**





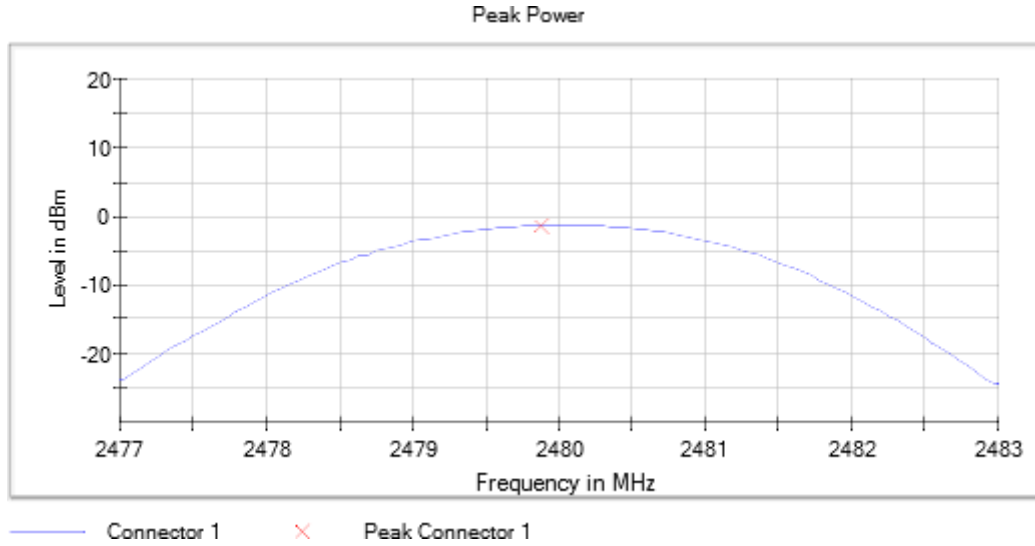
**Frequency (MHz) = 2441.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (Pi/4 DQPSK 2-DH5), Number of Transmission Chains = 1, Active Port: 1**

**Plots:**



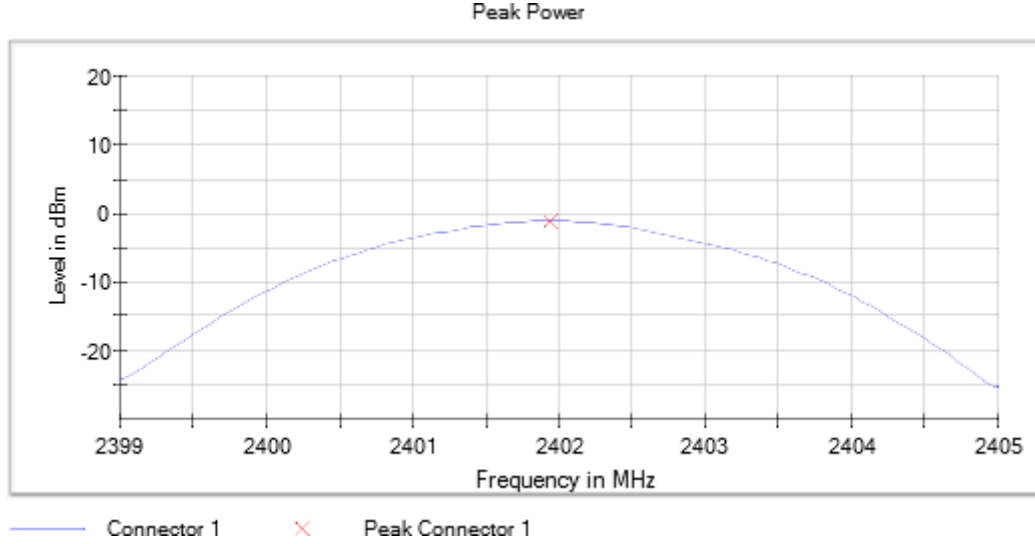
**Frequency (MHz) = 2480.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (Pi/4 DQPSK 2-DH5), Number of Transmission Chains = 1, Active Port: 1**

**Plots:**



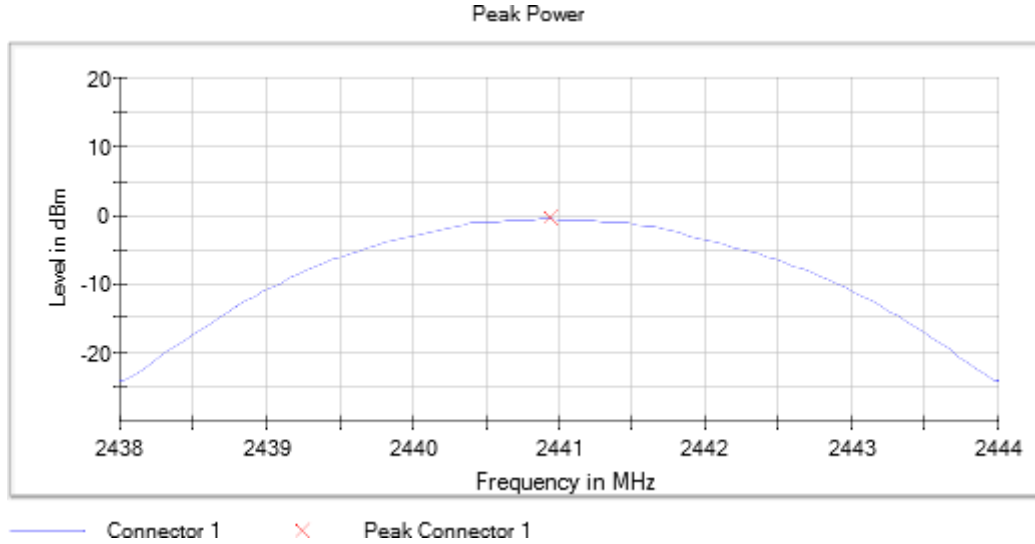
Frequency (MHz) = 2402.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS),  
 Bandwidth (MHz) = 1, Modulation: BT (8DPSK 3-DH5), Number of Transmission Chains = 1, Active Port: 1

Plots:



**Frequency (MHz) = 2441.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (8DPSK 3-DH5), Number of Transmission Chains = 1, Active Port: 1**

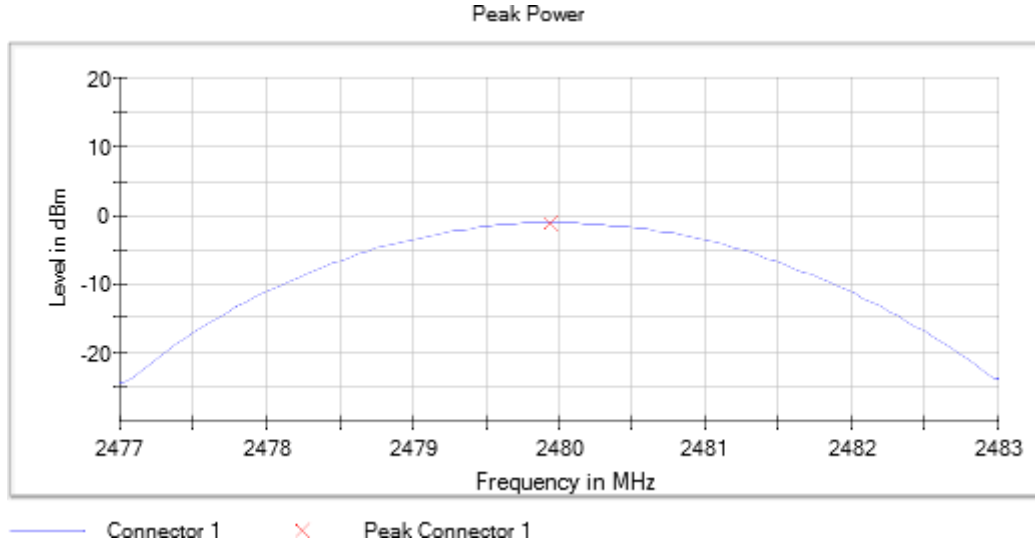
**Plots:**





**Frequency (MHz) = 2480.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (8DPSK 3-DH5), Number of Transmission Chains = 1, Active Port: 1**

**Plots:**



## 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 shall be 30 dB instead of 20 dB.

### Results

Radiated measurements were used to show compliance with the limits in the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

Modulation: BT (GFSK 1-DH5)

- Hopping mode enabled:

Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-2.99	2371.375000	-51.255
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2371.425000	-51.290
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2357.225000	-52.388
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2310.375000	-52.414
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2357.175000	-52.454
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2310.325000	-52.644
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2373.625000	-52.754
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2327.625000	-52.763
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2346.125000	-52.766
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2340.475000	-52.778
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2310.525000	-52.791

Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-2.99	2346.075000	-52.810
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2327.675000	-52.811
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2310.475000	-52.829
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2340.425000	-52.876
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-3.13	2487.075000	-50.676
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2487.025000	-50.718
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.575000	-52.017
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.675000	-52.053
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.625000	-52.248
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.625000	-52.255
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.725000	-52.261
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.825000	-52.363
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2490.025000	-52.524
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.175000	-52.543
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2487.125000	-52.586
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.925000	-52.604
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.875000	-52.607
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.325000	-52.609
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.975000	-52.644

- Hopping mode disabled:

Freq (MHz)	Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
2402.00000	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-4.62	2341.175000	-51.931
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2311.675000	-52.103
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2311.625000	-52.120
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2341.125000	-52.255
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2312.825000	-52.297
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2341.925000	-52.443
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2310.725000	-52.453
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2310.675000	-52.524
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2327.825000	-52.547
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2312.775000	-52.554
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2341.675000	-52.559
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2359.325000	-52.580
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2371.925000	-52.600
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2341.975000	-52.603
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	2374.225000	-52.614		
2480.00000	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-4.86	2484.425000	-51.199
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.475000	-51.647
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.325000	-51.763

Freq (MHz)	Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
2480.00000	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-4.86	2485.375000	-51.773
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.975000	-52.002
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.225000	-52.055
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.925000	-52.066
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.975000	-52.077
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.075000	-52.090
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.275000	-52.111
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.925000	-52.165
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.125000	-52.224
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.375000	-52.436
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2483.975000	-52.439
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.075000	-52.454

Modulation: BT (Pi/4 DQPSK 2-DH5)

- Hopping mode enabled:

Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-2.69	2370.925000	-51.454
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2370.975000	-51.560
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2356.775000	-51.606
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2356.825000	-51.949
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2311.075000	-51.962
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2370.875000	-52.224
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2311.025000	-52.250
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2356.725000	-52.453
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2371.675000	-52.502
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2358.275000	-52.587
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2327.575000	-52.663
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2358.875000	-52.689
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2358.225000	-52.710
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2311.125000	-52.722
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2386.125000	-52.804
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-2.59	2486.925000	-50.862
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.875000	-50.987

Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-2.59	2486.325000	-51.122
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.025000	-51.527
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.375000	-51.543
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.275000	-51.653
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.075000	-51.778
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.975000	-51.957
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.575000	-52.208
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.675000	-52.267
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.675000	-52.277
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2489.325000	-52.303
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.675000	-52.314
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.625000	-52.319
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.425000	-52.372

- Hopping mode disabled:

Freq (MHz)	Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
2402.00000	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-4.16	2310.825000	-51.623
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2310.875000	-51.973
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.775000	-52.167
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.825000	-52.252
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2386.775000	-52.338
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2310.775000	-52.368
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2386.725000	-52.395
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2342.925000	-52.407
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2325.975000	-52.568
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2374.475000	-52.583
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.575000	-52.601
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2385.675000	-52.607
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2356.025000	-52.629
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2371.625000	-52.634
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	2399.525000	-52.681		
2480.00000	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-4.40	2486.125000	-50.744
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.075000	-51.221
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.175000	-51.288



Freq (MHz)	Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
2480.00000	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-4.40	2484.625000	-51.447
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.575000	-51.559
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.125000	-52.092
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.575000	-52.130
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2491.825000	-52.137
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2491.875000	-52.155
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.175000	-52.221
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.525000	-52.250
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.525000	-52.260
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.475000	-52.304
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.225000	-52.332
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2487.125000	-52.354

Modulation: BT (8DPSK 3-DH5)

- Hopping mode enabled:

Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-2.66	2326.275000	-52.208
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2326.225000	-52.295
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2372.175000	-52.500
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2372.225000	-52.552
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2371.075000	-52.581
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2359.725000	-52.840
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2374.675000	-52.952
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2341.375000	-53.004
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2326.325000	-53.030
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2372.475000	-53.037
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2359.775000	-53.038
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2341.425000	-53.043
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2370.875000	-53.089
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2371.125000	-53.108
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.475000	-53.117
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-2.49	2487.275000	-52.145
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2487.225000	-52.248

Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-2.49	2485.325000	-52.352
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.275000	-52.546
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.375000	-52.579
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2487.775000	-52.622
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2483.575000	-52.638
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2487.175000	-52.656
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2489.325000	-52.670
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2489.375000	-52.754
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.575000	-52.757
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.575000	-52.760
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2487.625000	-52.805
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2488.075000	-52.831
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2487.825000	-52.840

- Hopping mode disabled:

Freq (MHz)	Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
2402.00000	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-3.90	2399.925000	-49.878
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.875000	-49.882
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.625000	-49.911
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.675000	-50.009
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.575000	-50.615
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.975000	-50.796
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.825000	-51.224
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.775000	-51.365
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2399.725000	-51.414
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2397.925000	-51.742
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2397.875000	-51.793
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2394.975000	-51.990
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2394.925000	-52.293
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2398.225000	-52.367
Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	2389.325000	-52.494		
2480.00000	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-4.45	2485.025000	-51.686
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2483.575000	-51.931
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.975000	-52.036

Freq (MHz)	Equipment	BW (MHz)	# of Tx Chains	Port	Inband Peak Lvl (dBm)	Measured Freq (MHz)	Lvl (dBm)
2480.00000	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1	-4.45	2484.275000	-52.051
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.325000	-52.066
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2483.625000	-52.120
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2483.675000	-52.284
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.675000	-52.299
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2483.975000	-52.299
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.225000	-52.321
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.975000	-52.328
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2485.075000	-52.394
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2484.625000	-52.525
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2483.875000	-52.541
	Frequency Hopping Spread Spectrum systems (FHSS)	1	1	1		2486.625000	-52.568

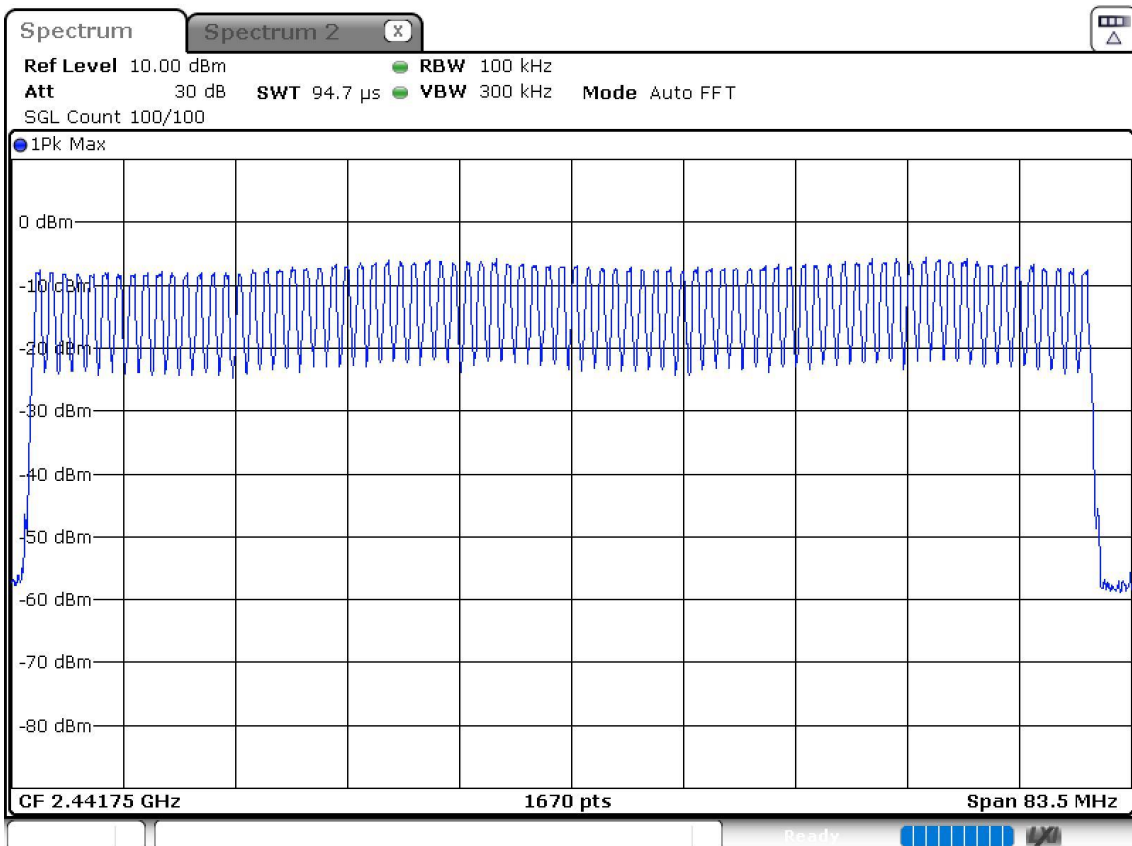
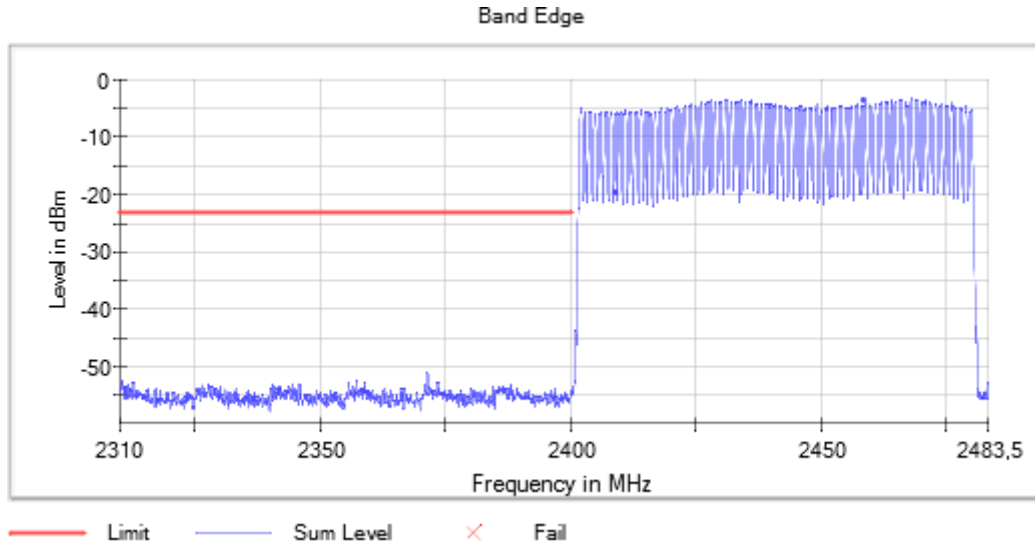
**Verdict**

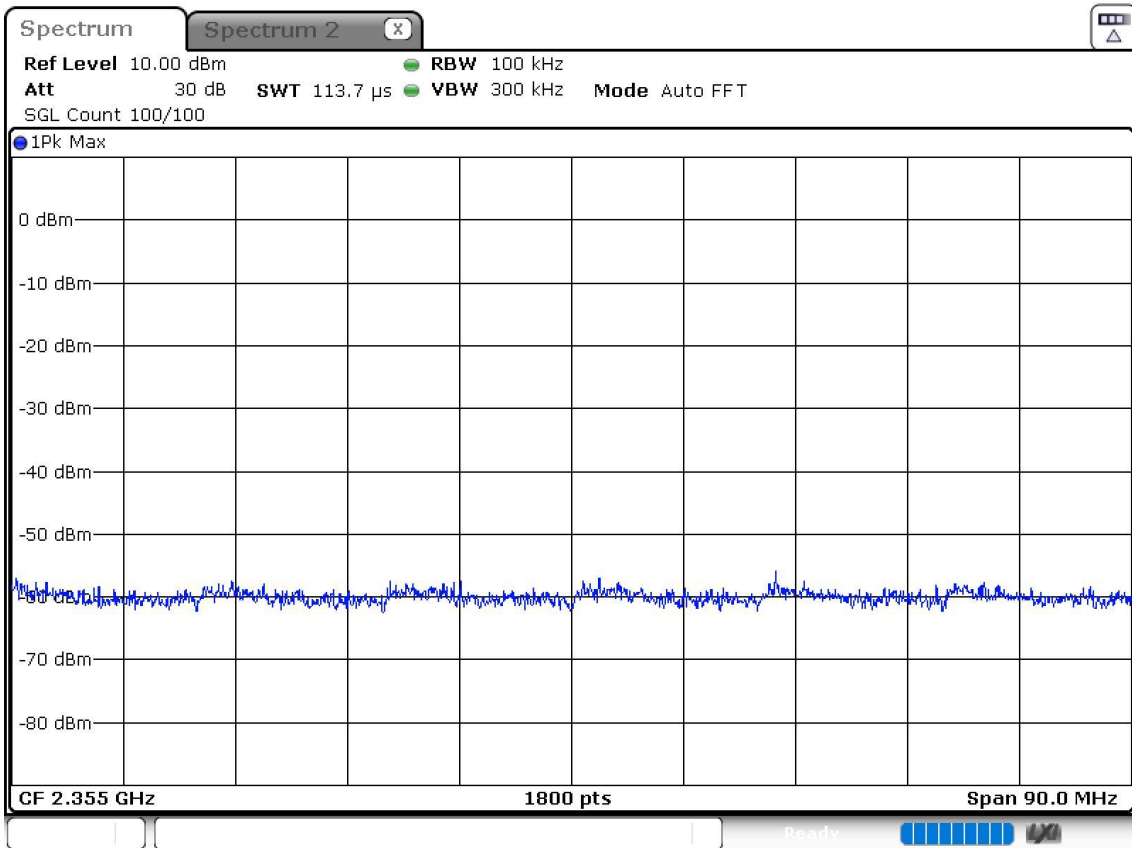
Pass

### Attachments

Hopping mode enabled, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS),  
Bandwidth (MHz) = 1, Modulation: BT (GFSK 1-DH5), Number of Transmission Chains = 1, Active Port: 1

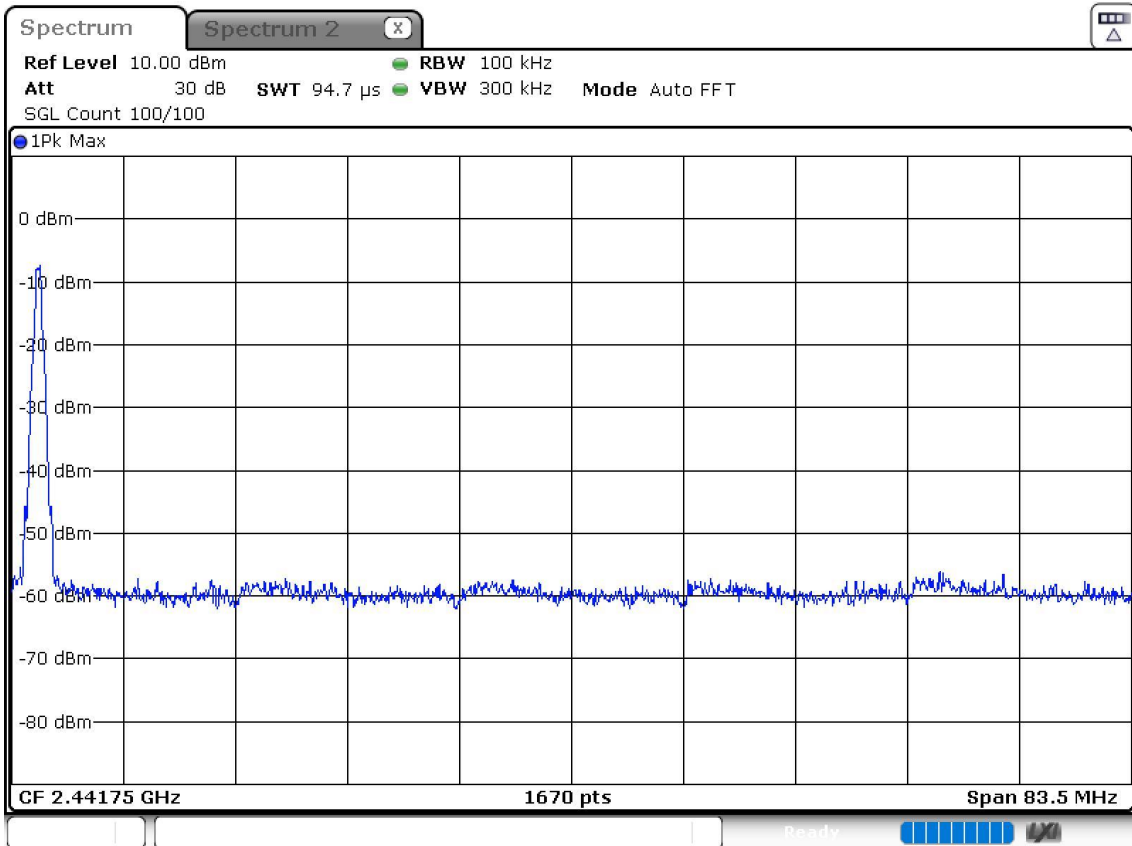
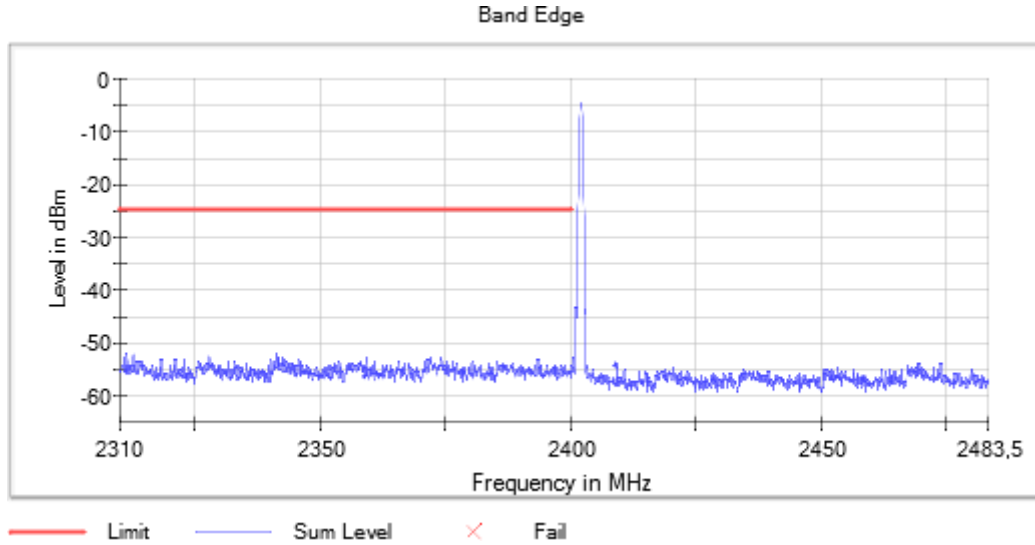
### Plots:



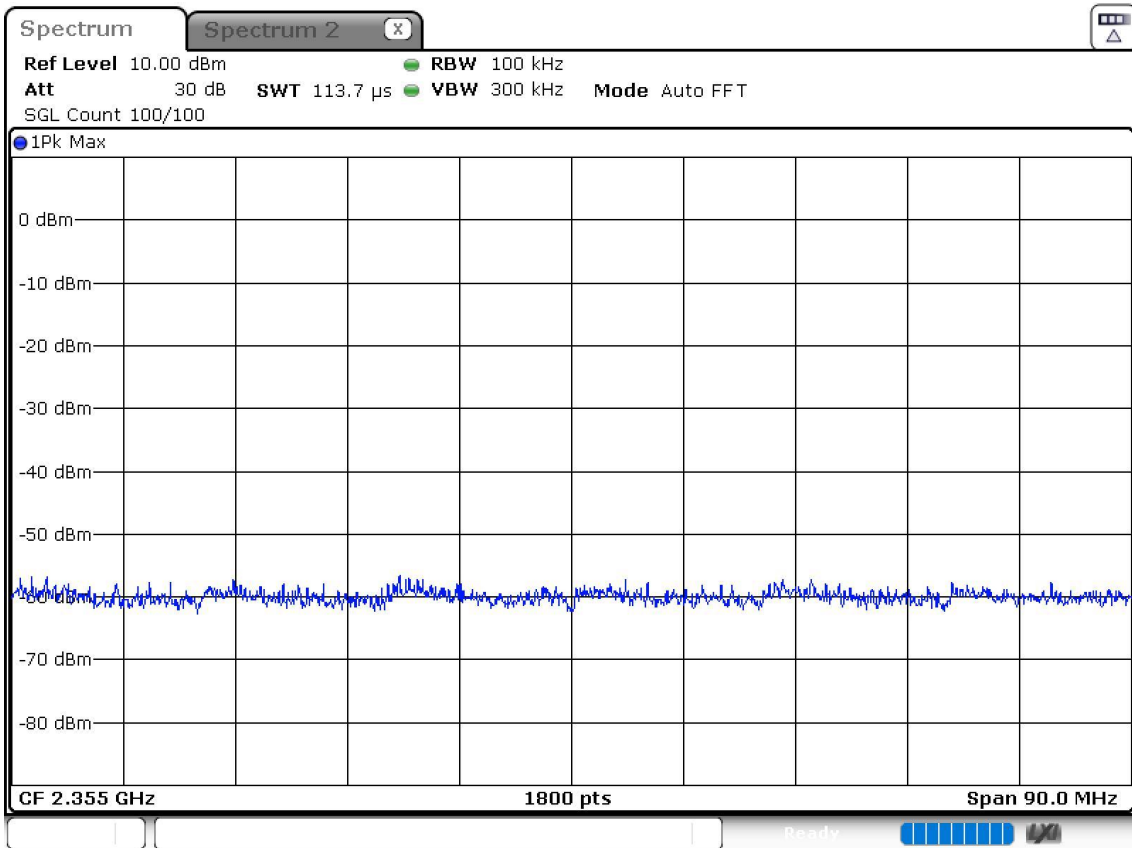


**Frequency (MHz) = 2402.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (GFSK 1-DH5), Number of Transmission Chains = 1, Active Port: 1**

**Plots:**

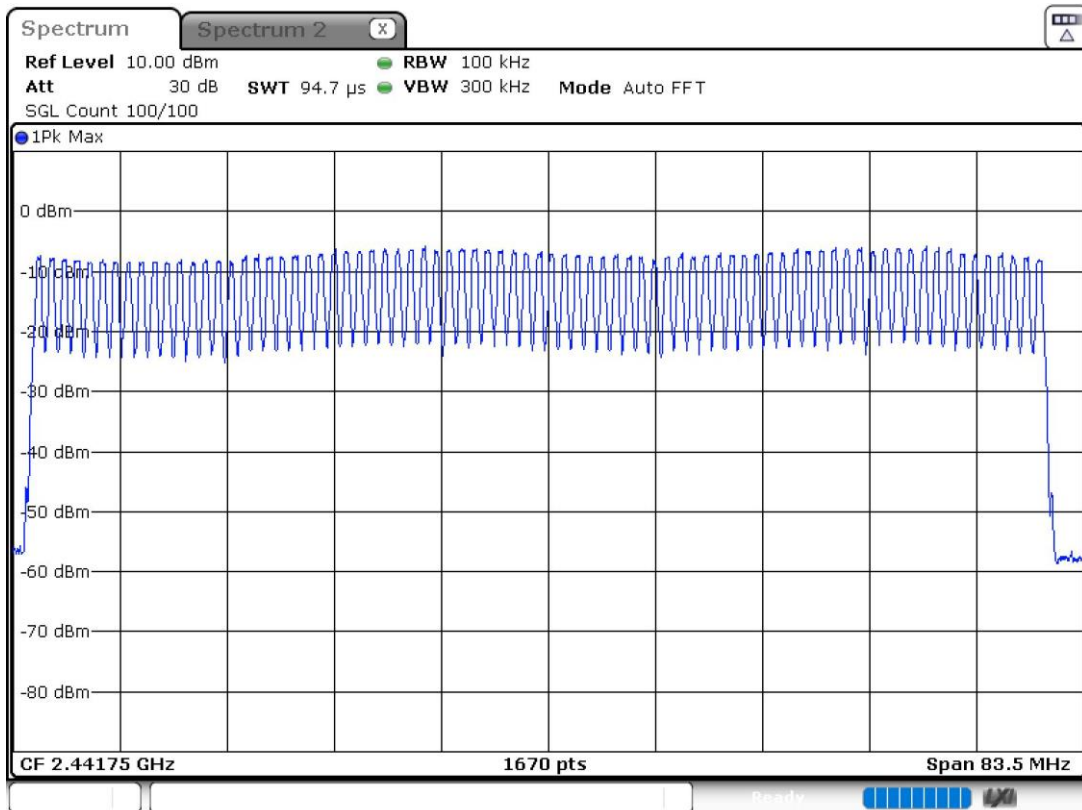
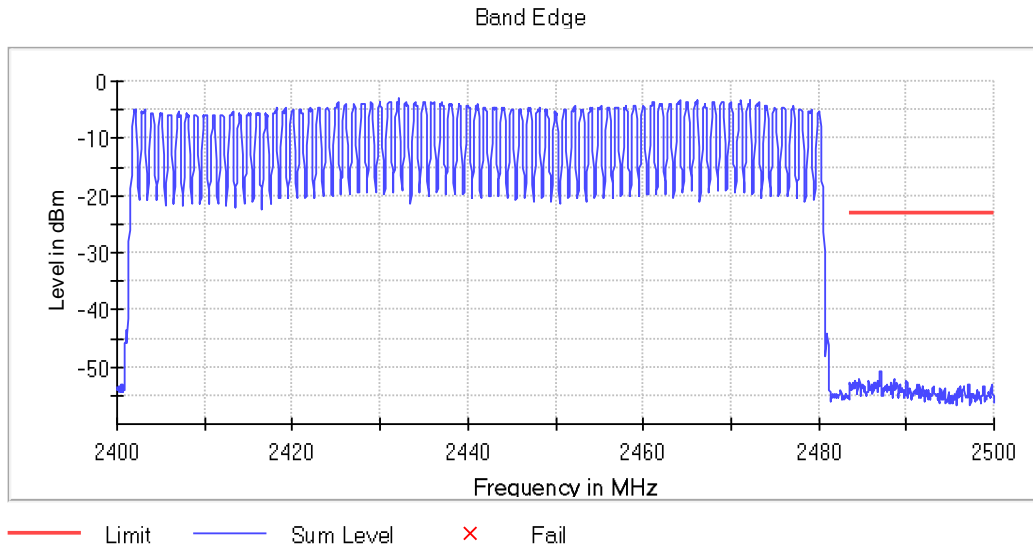


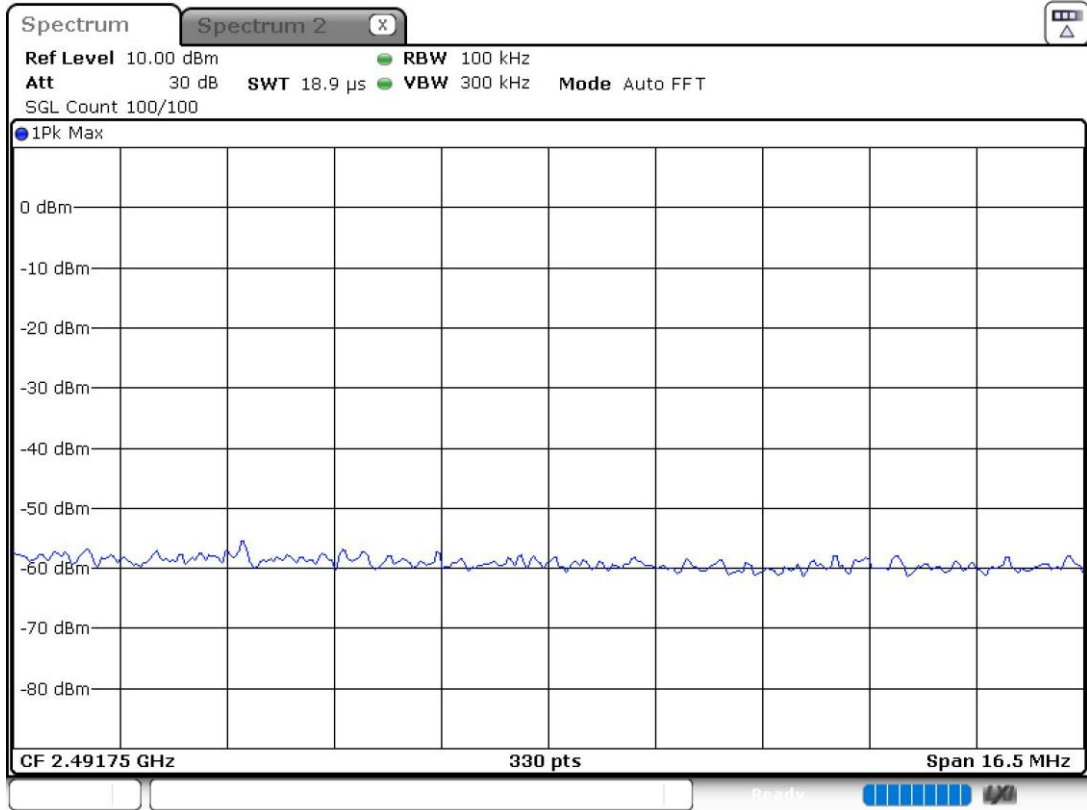




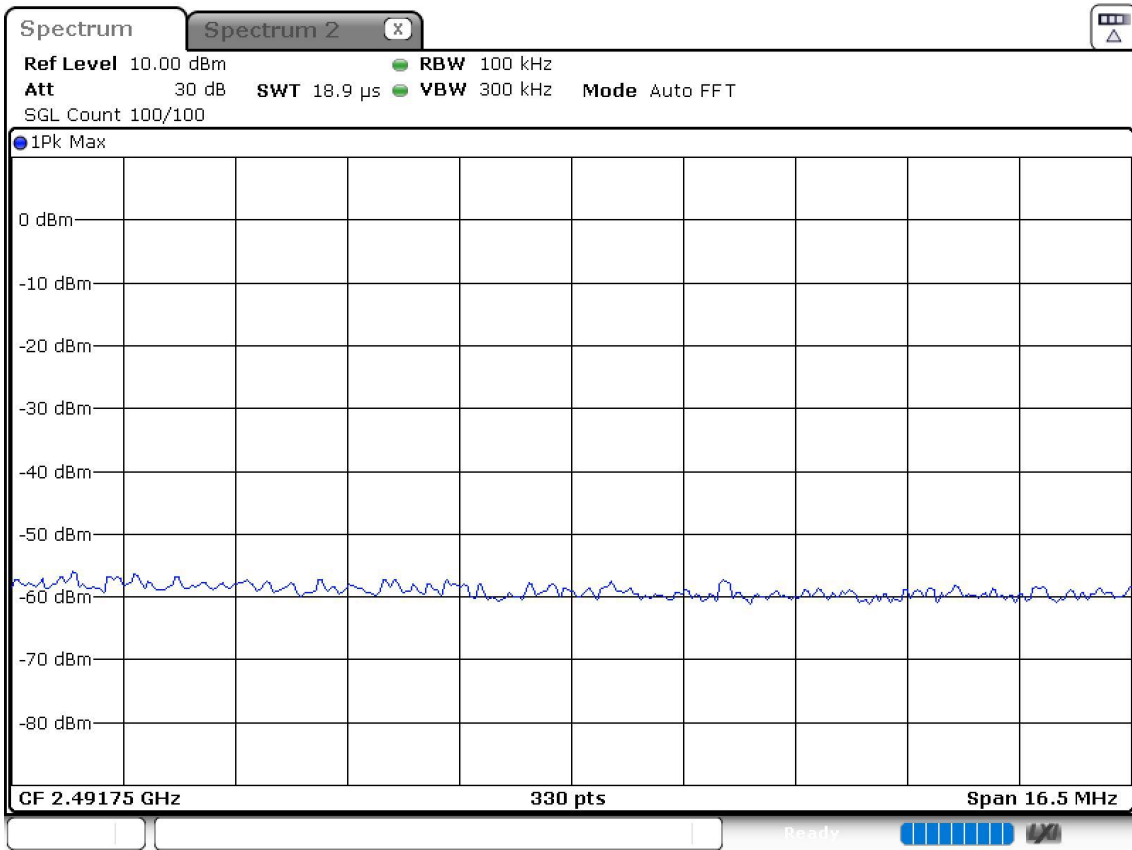
Hopping mode enabled, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS),  
Bandwidth (MHz) = 1, Modulation: BT (GFSK 1-DH5), Number of Transmission Chains = 1, Active Port: 1

Plots:



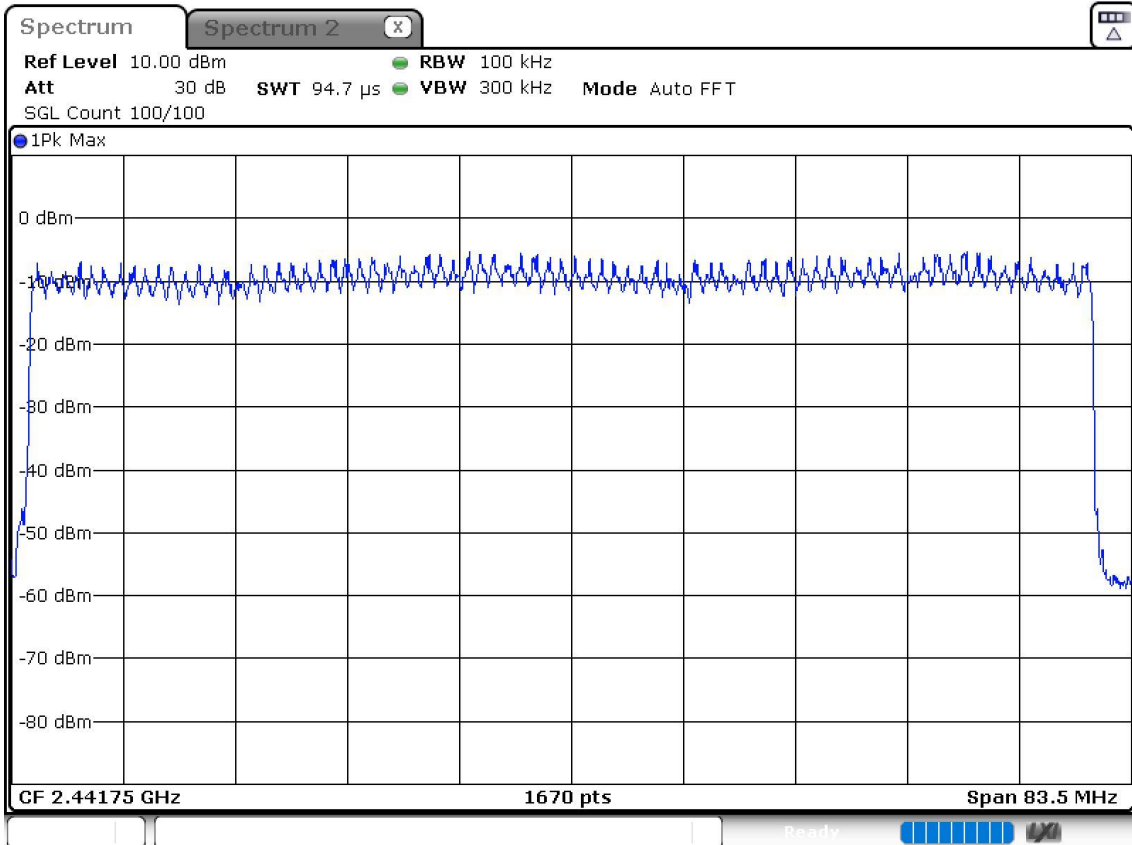
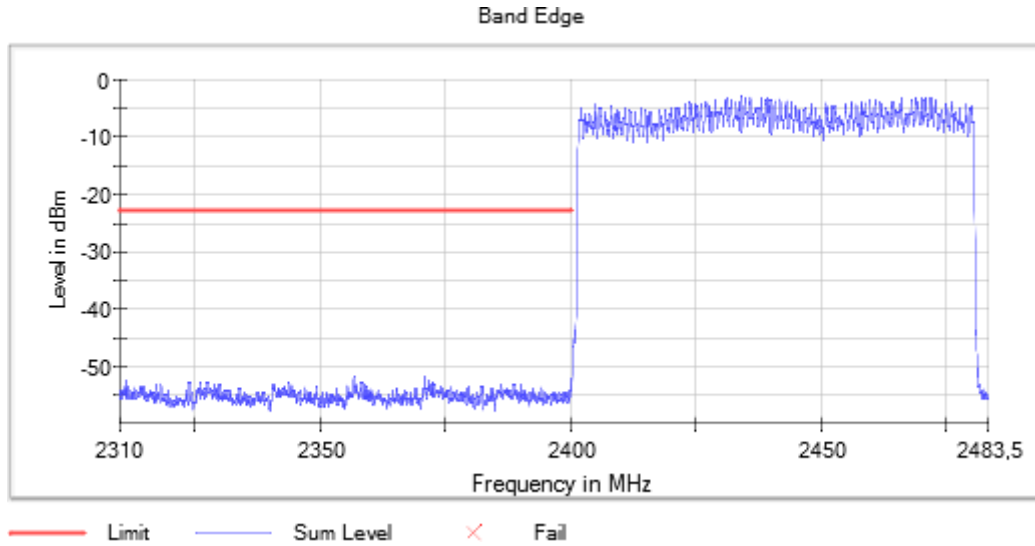






**Hopping mode enabled, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (Pi/4 DQPSK 2-DH5), Number of Transmission Chains = 1, Active Port: 1**

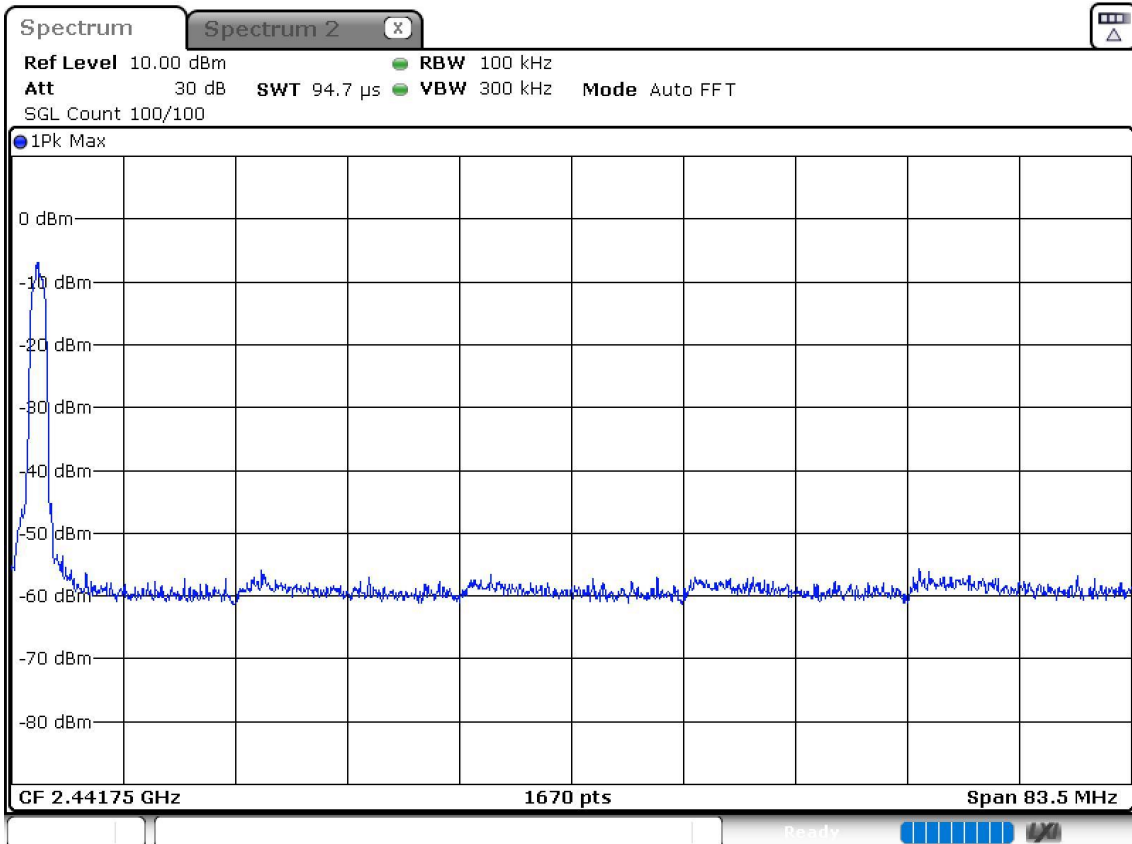
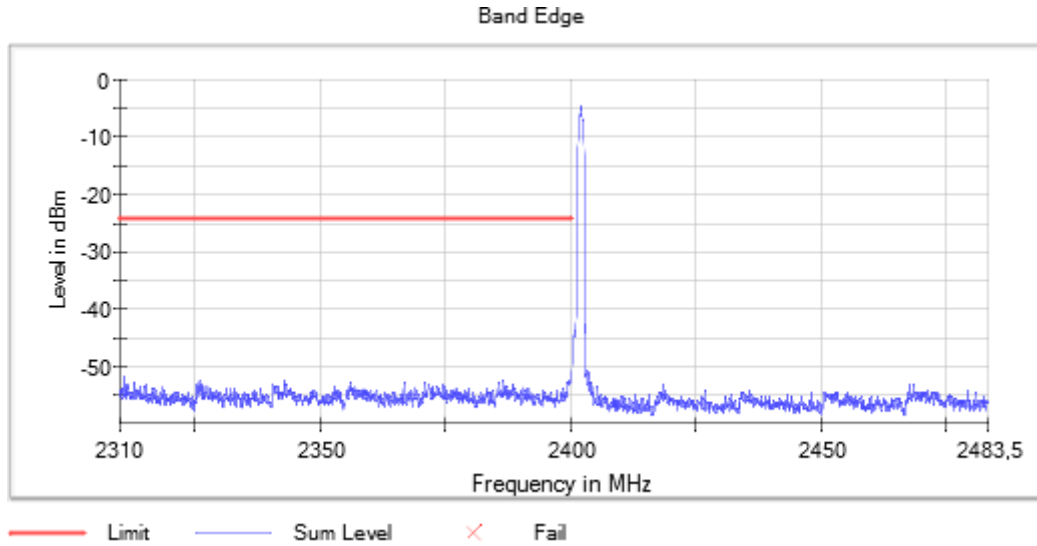
**Plots:**



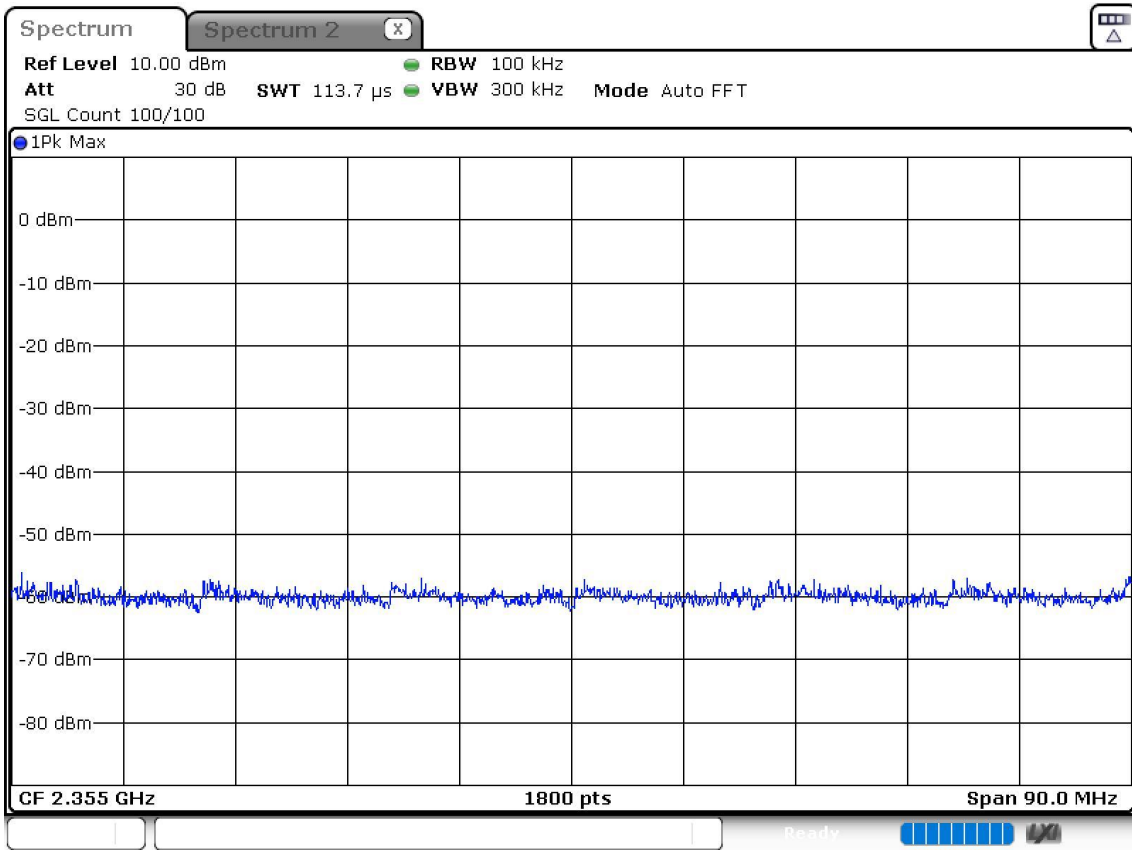


**Frequency (MHz) = 2402.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (Pi/4 DQPSK 2-DH5), Number of Transmission Chains = 1, Active Port: 1**

**Plots:**

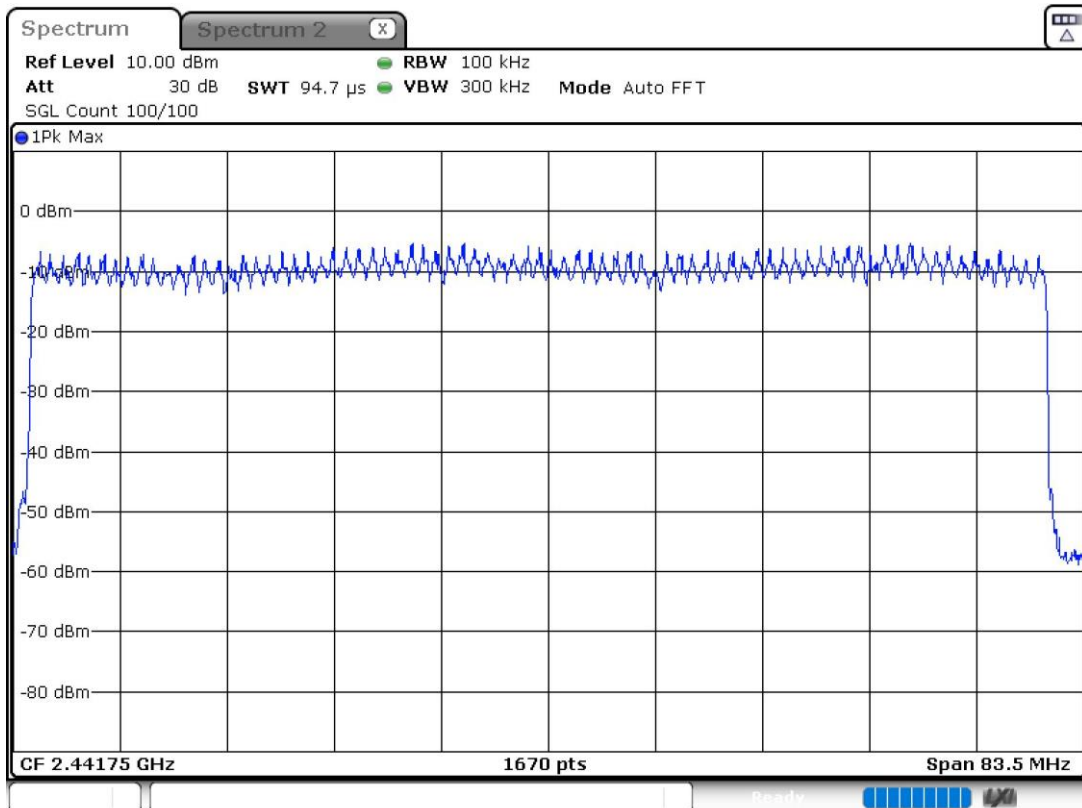
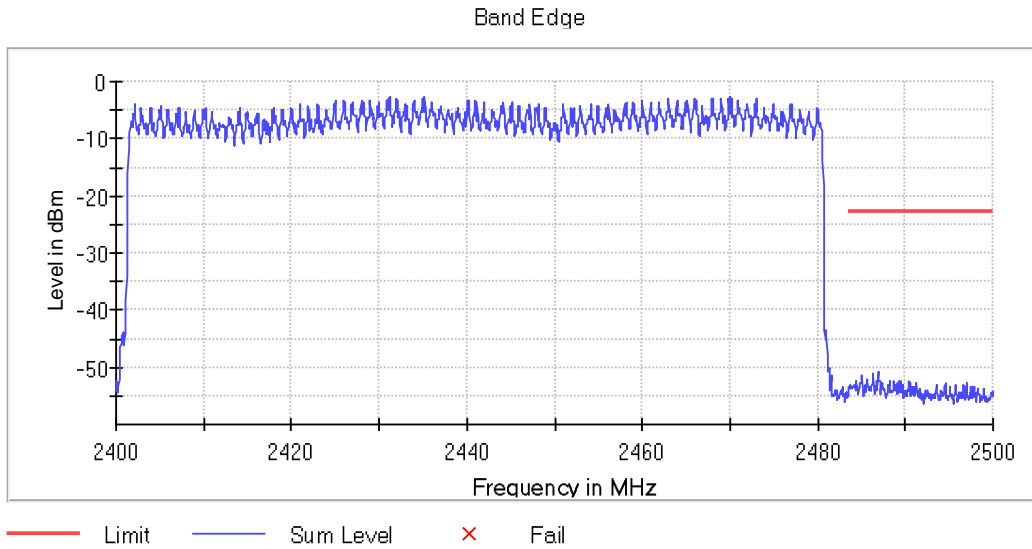


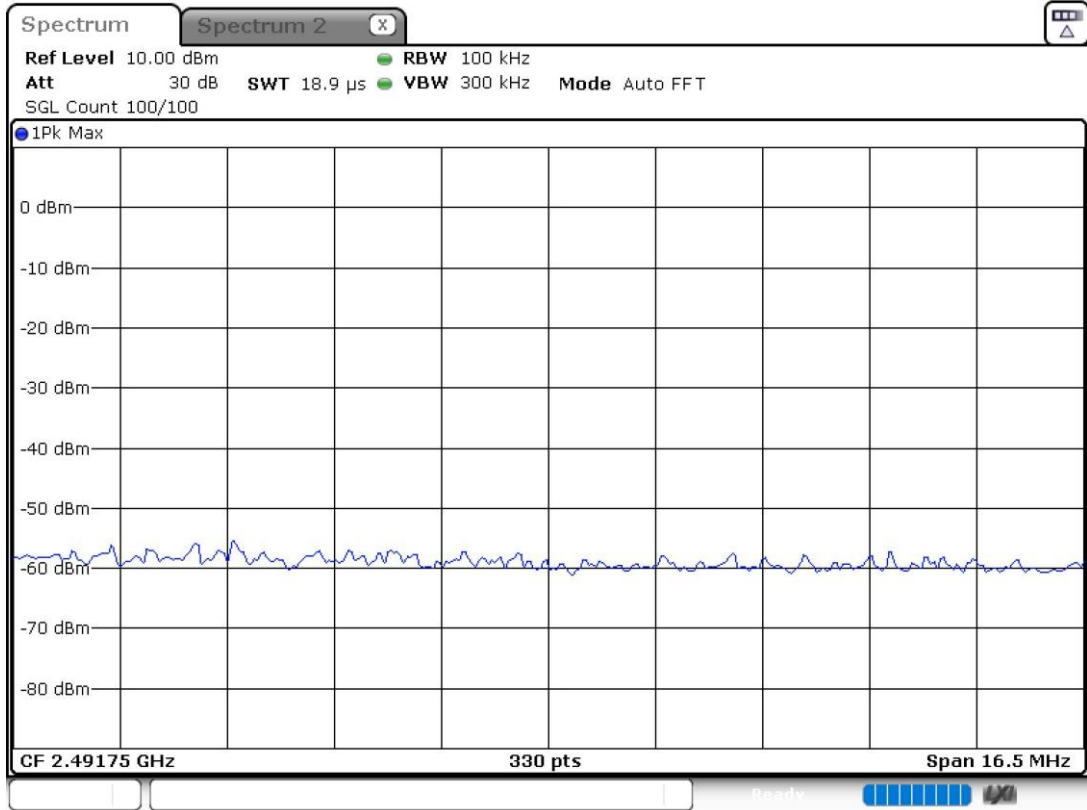




**Hopping mode enabled, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (Pi/4 DQPSK 2-DH5), Number of Transmission Chains = 1, Active Port: 1**

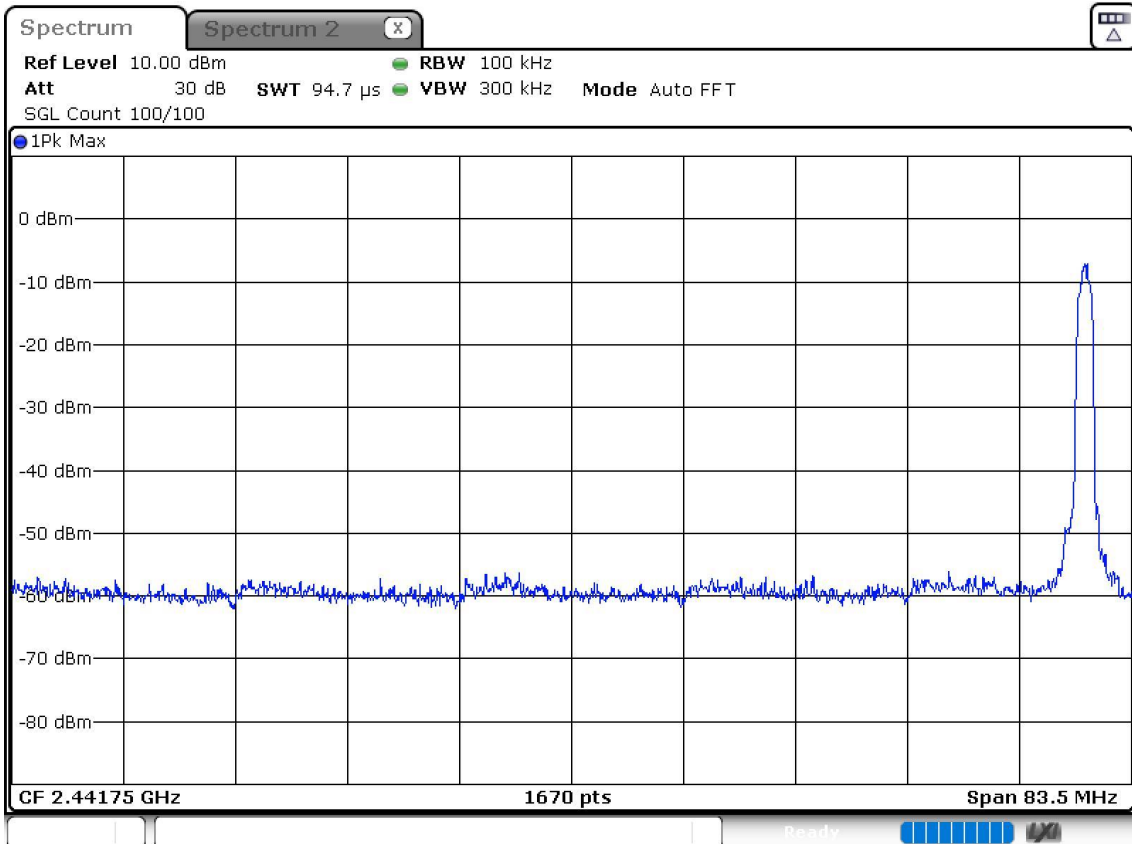
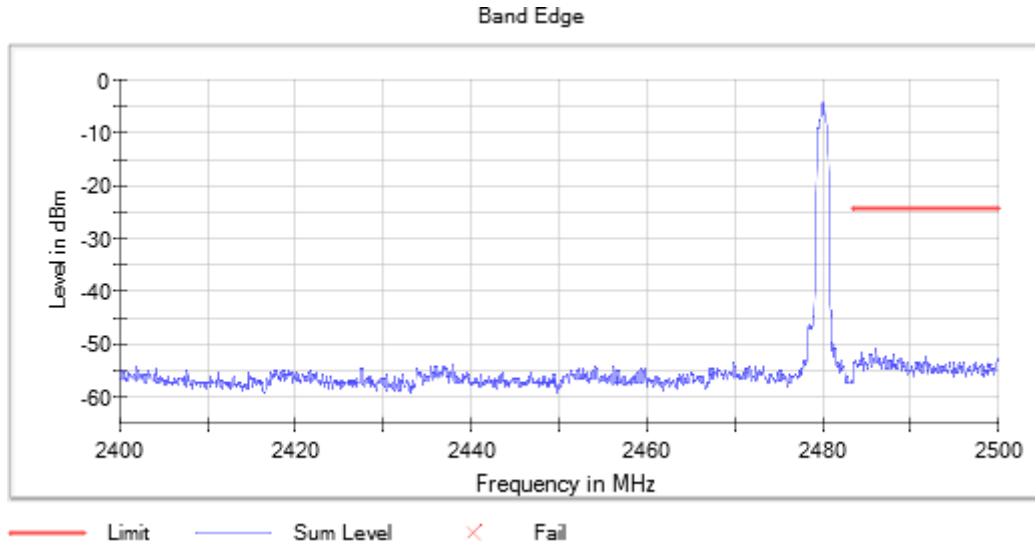
**Plots:**

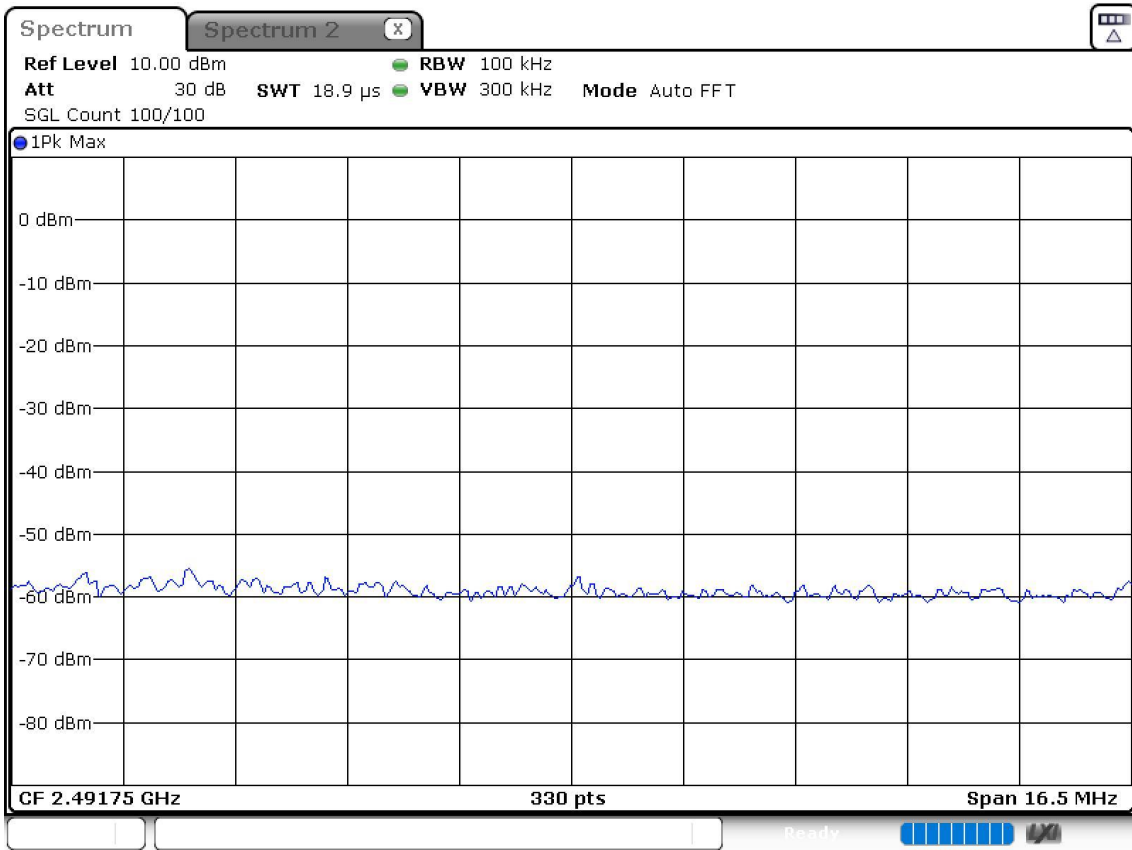




**Frequency (MHz) = 2480.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (Pi/4 DQPSK 2-DH5), Number of Transmission Chains = 1, Active Port: 1**

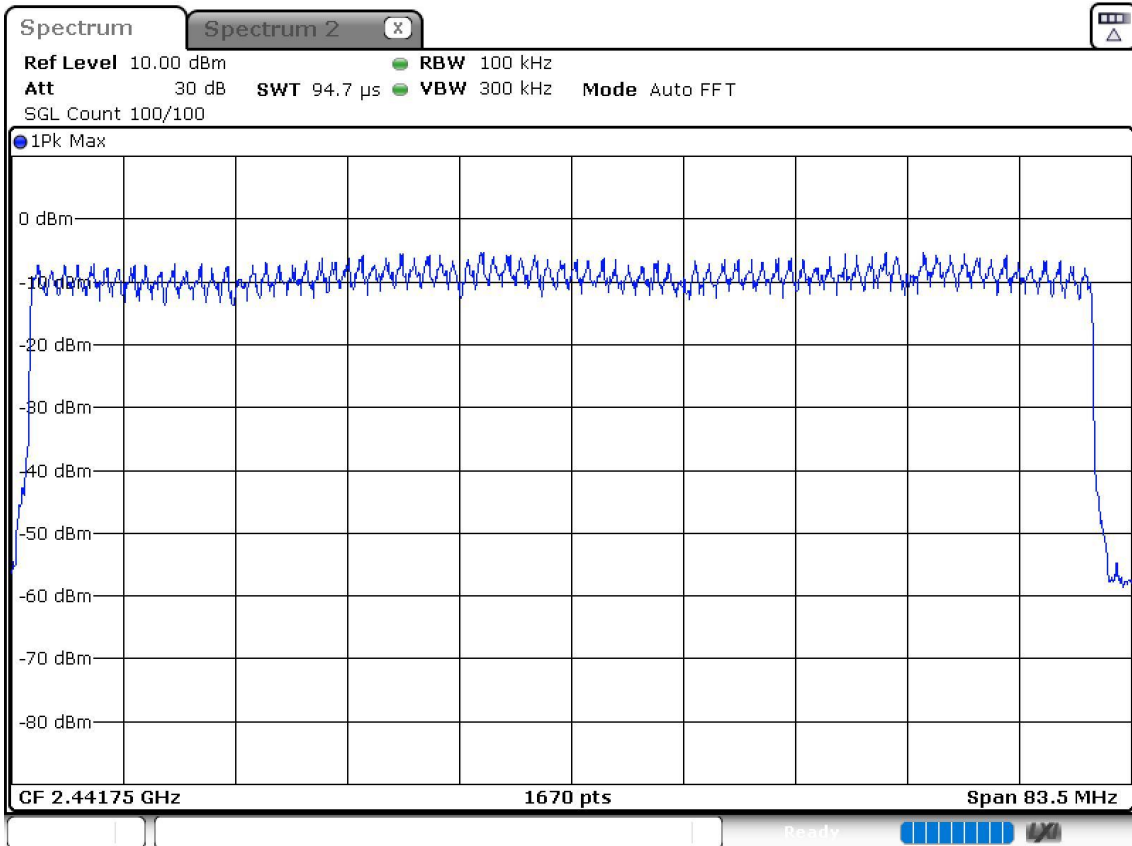
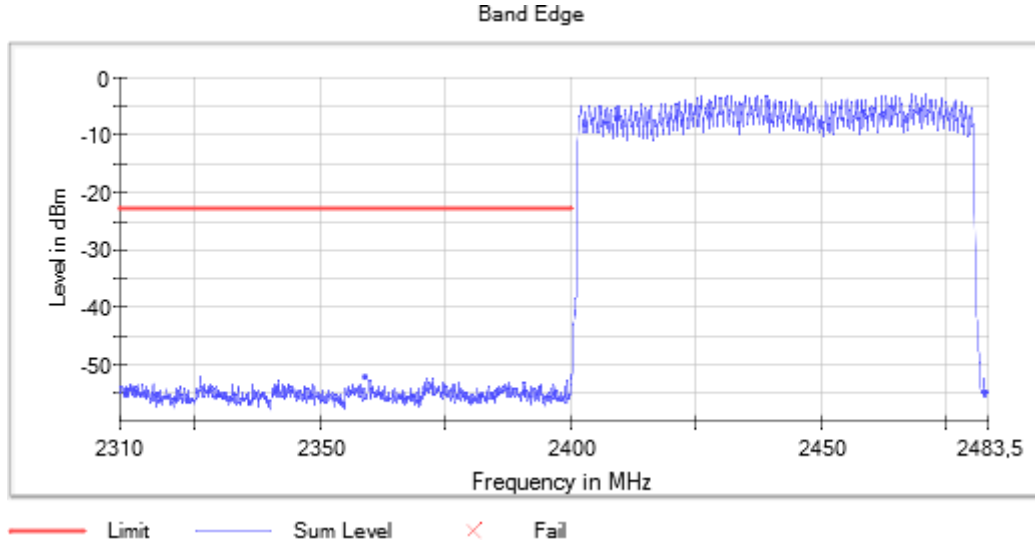
**Plots:**

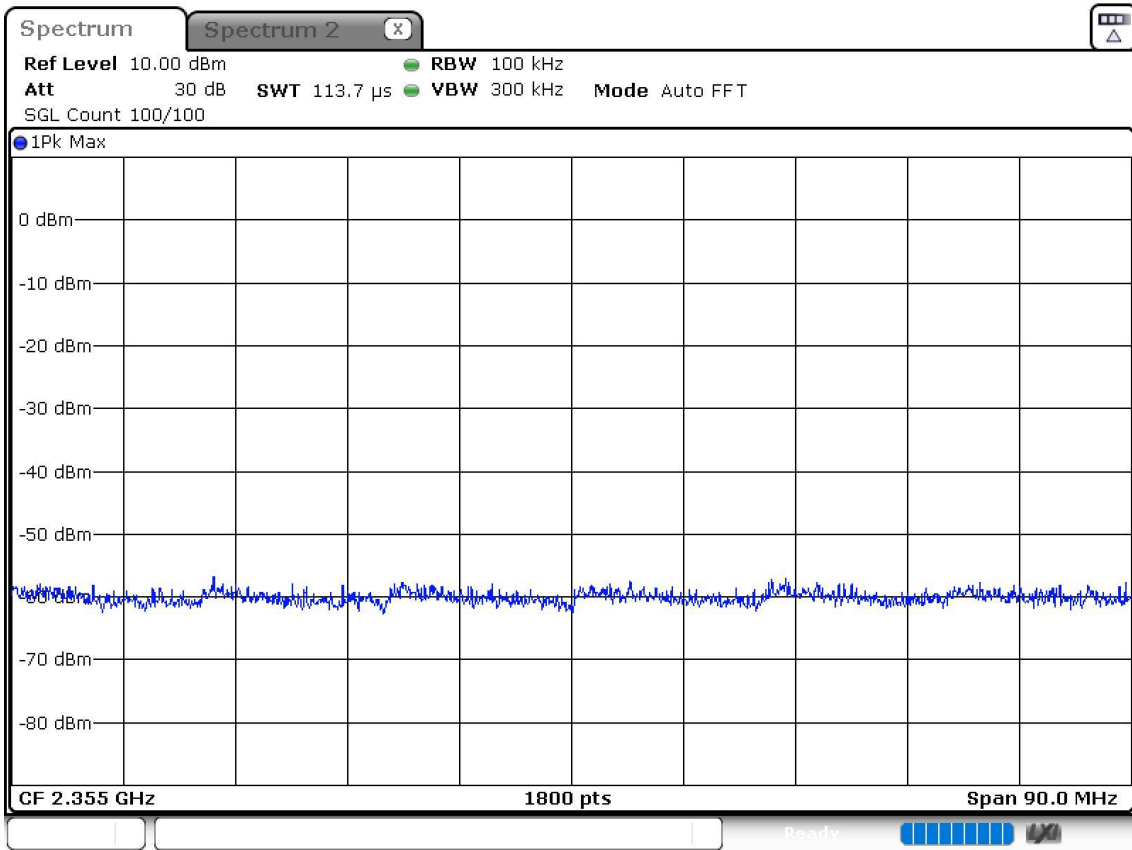




Hopping mode enabled, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS),  
Bandwidth (MHz) = 1, Modulation: BT (8DPSK 3-DH5), Number of Transmission Chains = 1, Active Port: 1

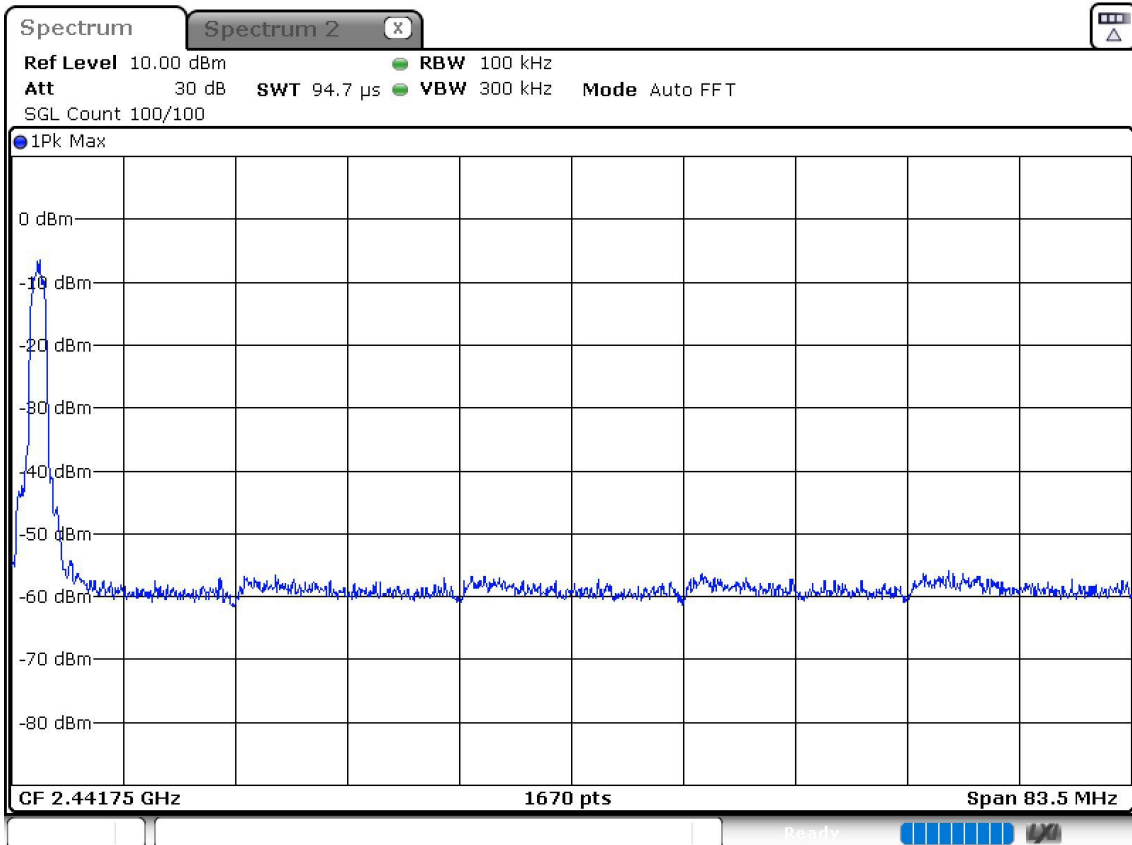
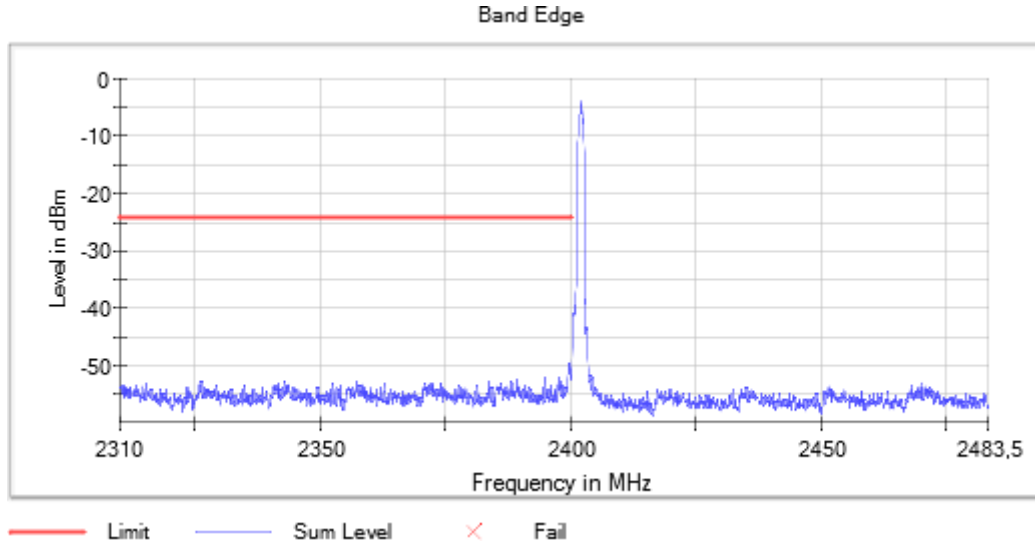
Plots:



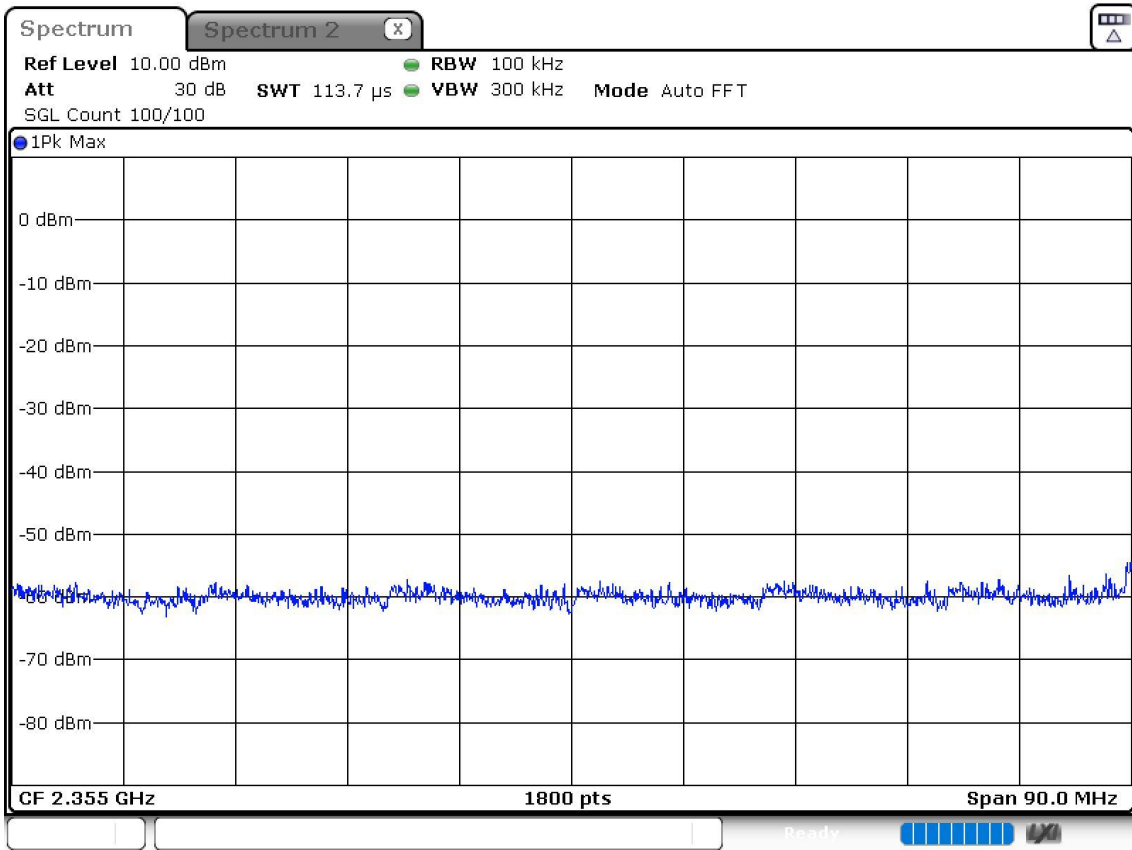


Frequency (MHz) = 2402.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Bandwidth (MHz) = 1, Modulation: BT (8DPSK 3-DH5), Number of Transmission Chains = 1, Active Port: 1

Plots:

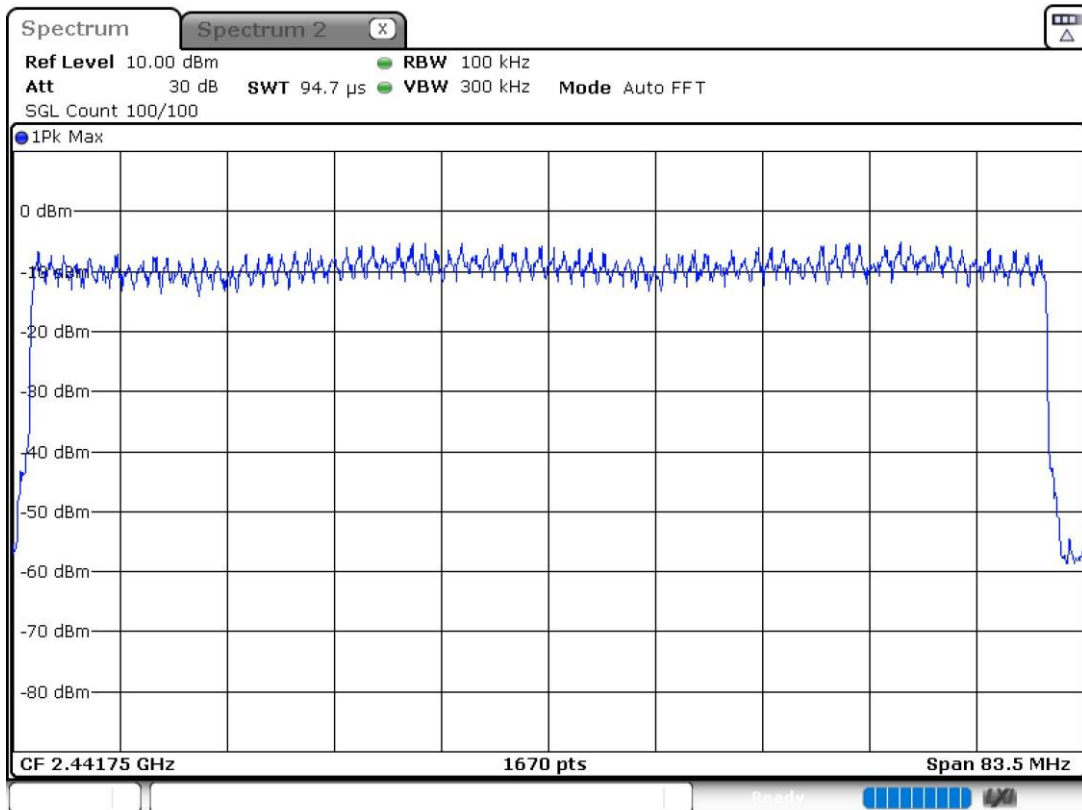
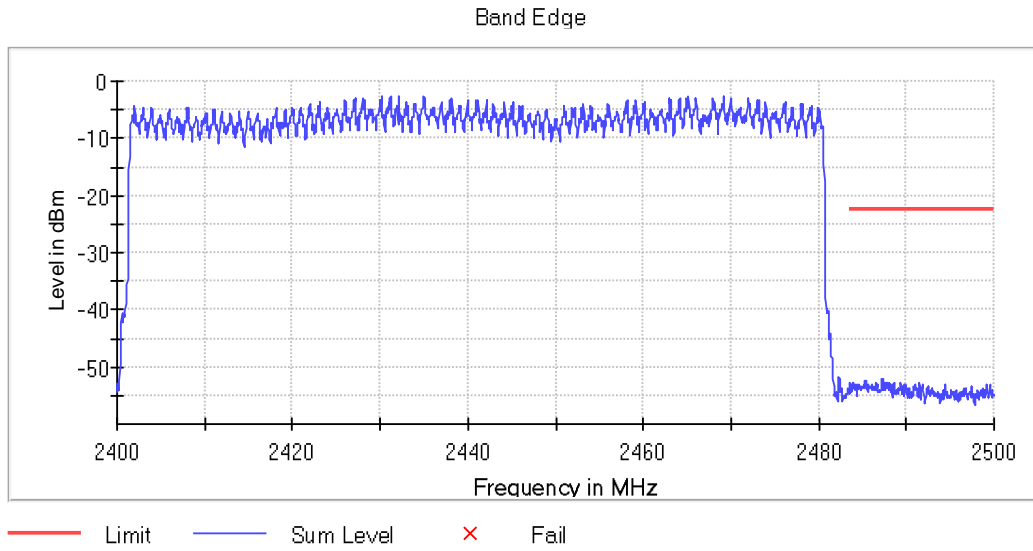


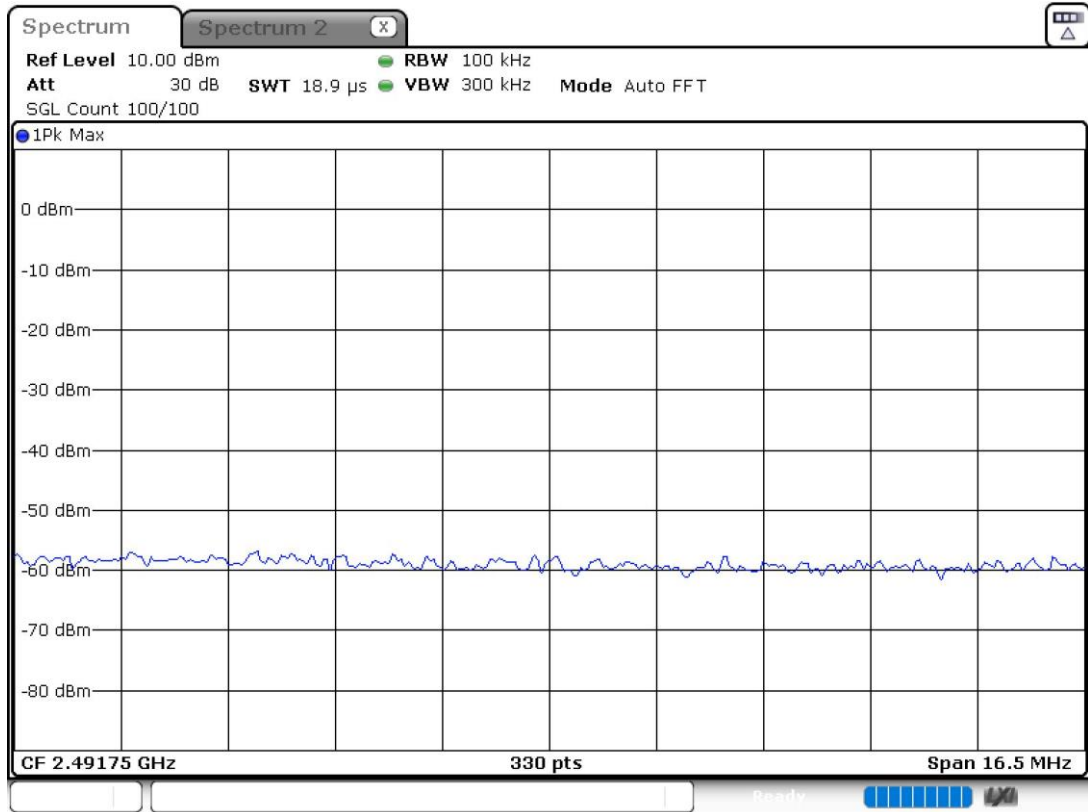




Hopping mode enabled, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS),  
 Bandwidth (MHz) = 1, Modulation: BT (8DPSK 3-DH5), Number of Transmission Chains = 1, Active Port: 1

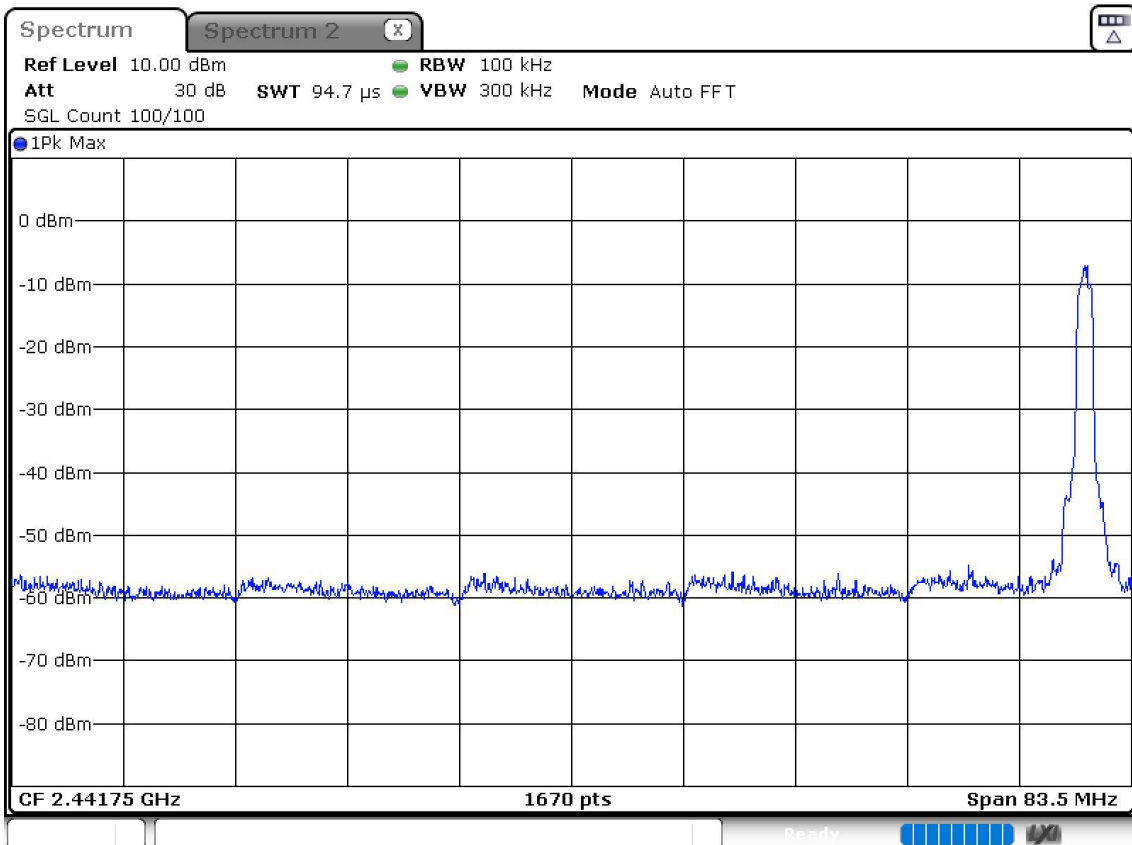
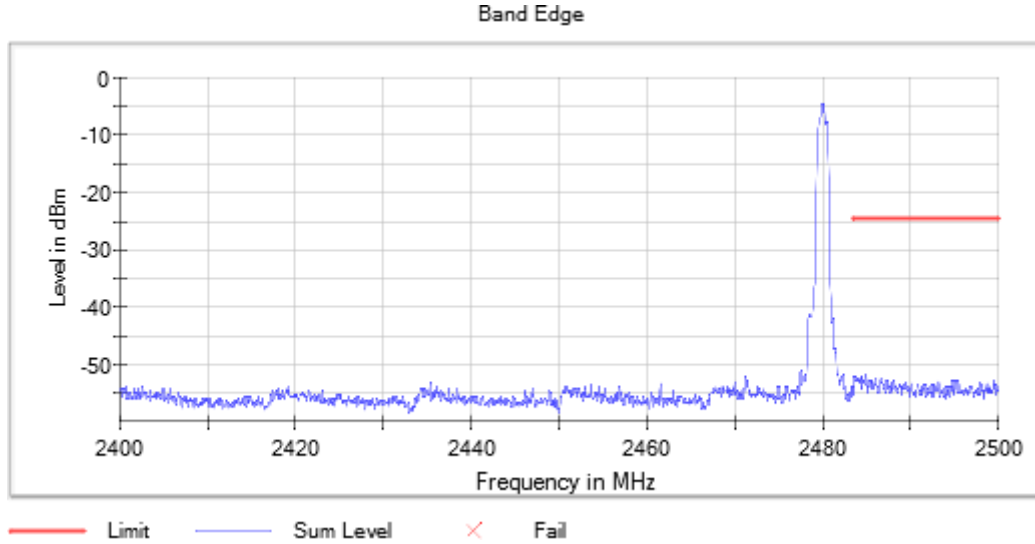
Plots:

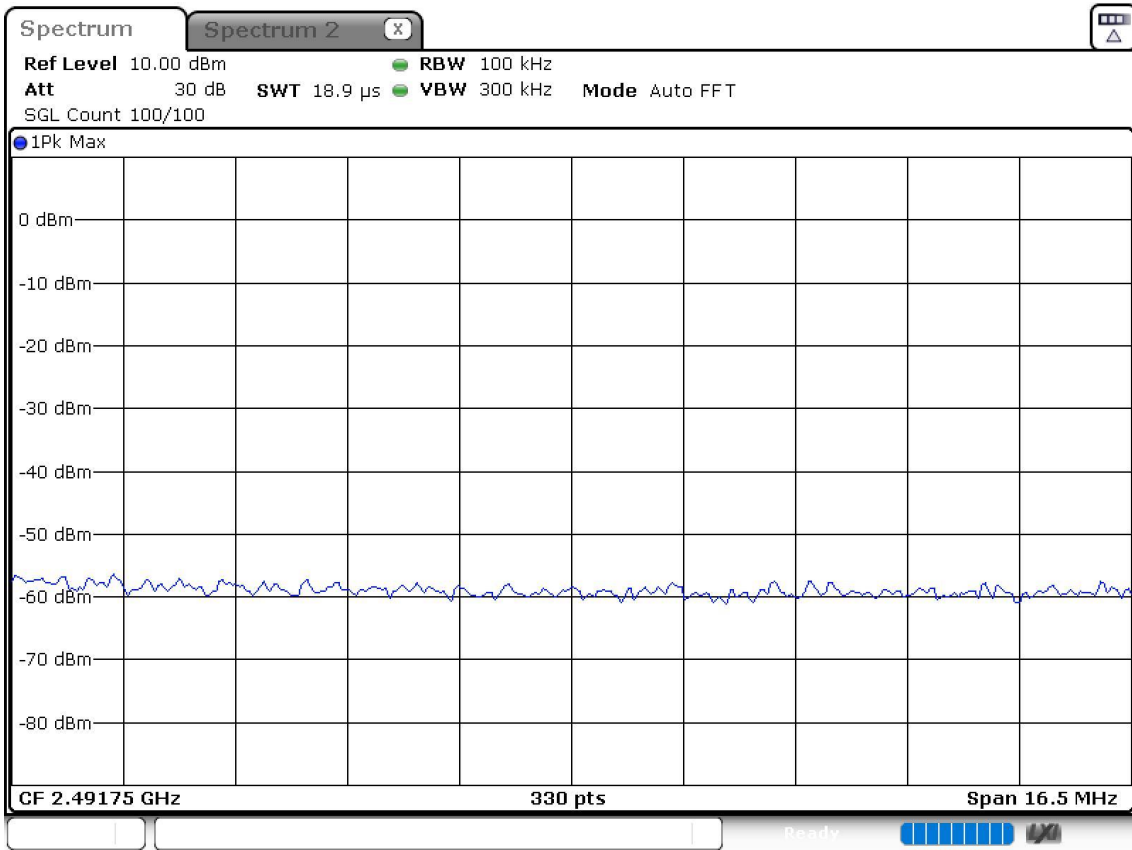




Frequency (MHz) = 2480.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS),  
 Bandwidth (MHz) = 1, Modulation: BT (8DPSK 3-DH5), Number of Transmission Chains = 1, Active Port: 1

Plots:





## RSS-247 5.5 / FCC 15.247 (d) [RSE] Emission limitations radiated (Transmitter)

### Limits

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)):

Frequency Range (MHz)	Field strength ( $\mu\text{V/m}$ )	Field strength ( $\text{dB}\mu\text{V/m}$ )	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table specified when measuring with peak detector function.

RSS-247:

Attenuation below the general field strength limits specified in RSS-Gen is not required.

### Results

#### Frequency range 30 MHz – 1 GHz:

The spurious frequencies detected do not depend on either the modulation or the operating channel.

Spurious frequencies detected at less than 20 dB below the limit:

Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl ( $\text{dB}\mu\text{V/m}$ )	Pol	Detector
[0.03, 1]	560.014	32.81	H	QP
	591.994	33.95	H	QP
	925.007	29.85	H	QP
	974.992	36.26	V	QP

**Frequency range 1 GHz – 26 GHz:**

Modulation: BT (GFSK 1-DH5)

No spurious frequencies found close to the limit.

Modulation: BT (Pi/4 DQPSK 2-DH5)

No spurious frequencies found close to the limit.

Modulation: BT (8DPSK 3-DH5)

No spurious frequencies found close to the limit.

***Verdict***

Pass

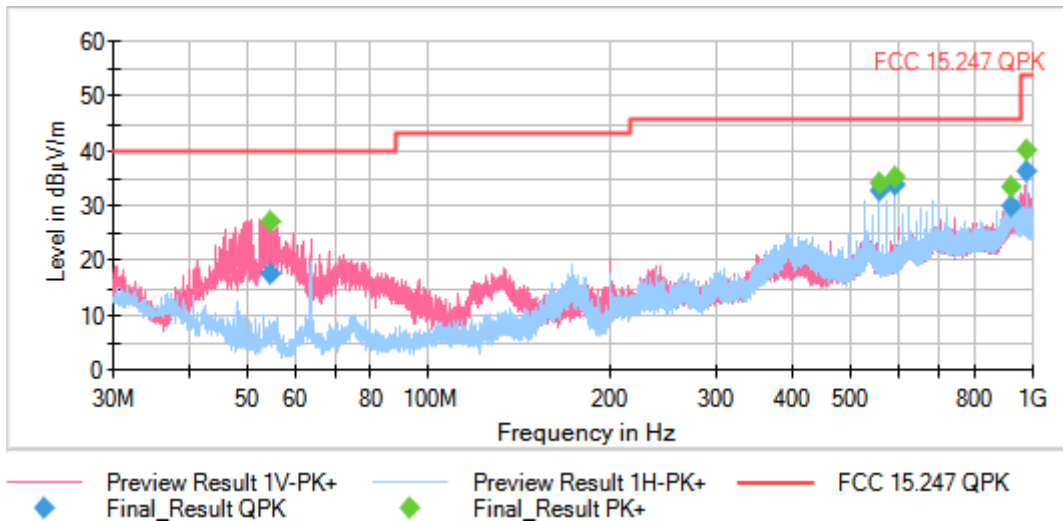
**Attachments**

Measurement settings:

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESR 7] 30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [FSW 50] 17 GHz - 26 GHz	90 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Modulation: BT (GFSK 1-DH5),  
 Frequency Range (GHz) = [0.03, 1], Number of Transmission Chains = 1

Plots:

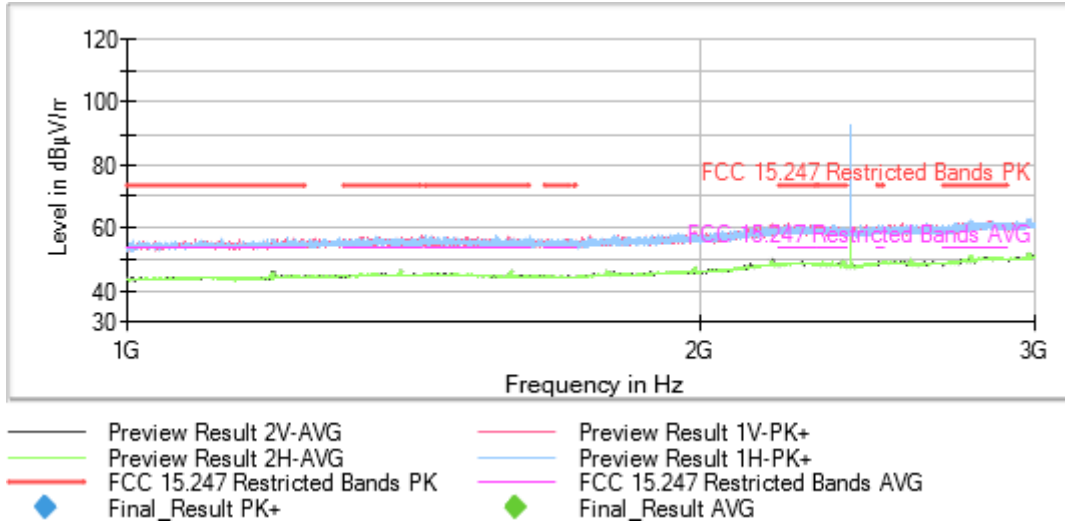


This plot is valid for Low, Middle and High Channels.

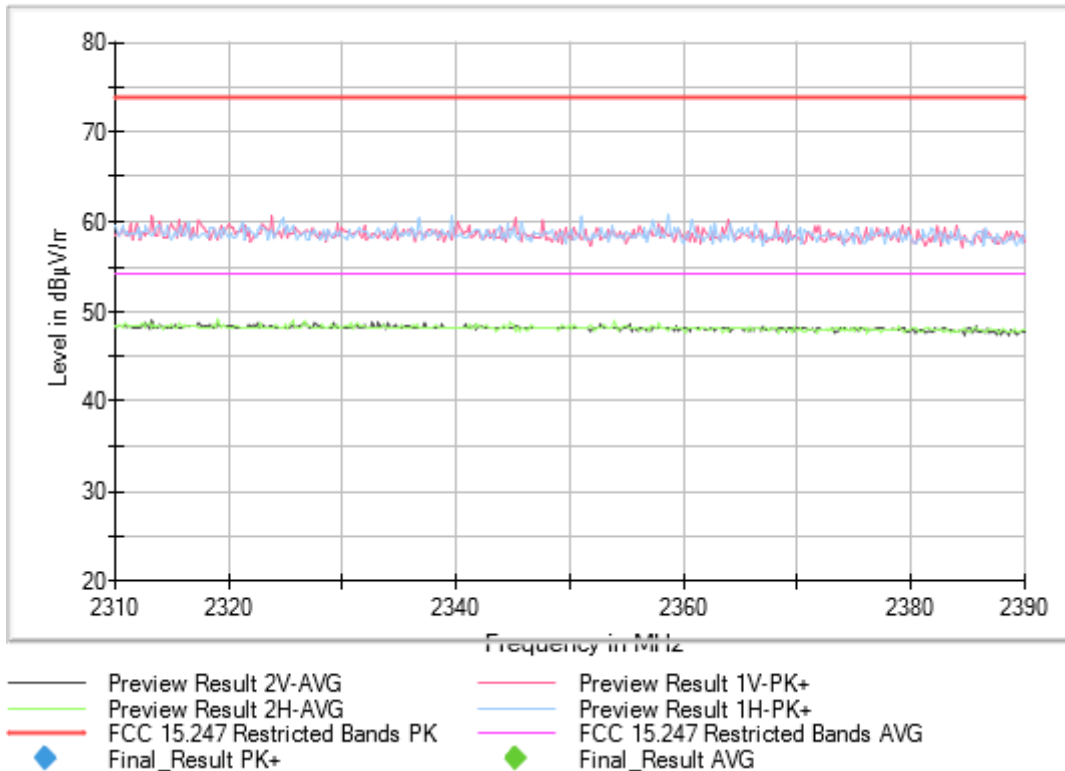


**Frequency (MHz) = 2402.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Modulation: BT (GFSK 1-DH5), Frequency Range (GHz) = [1, 3], Number of Transmission Chains = 1, Active Port: 1**

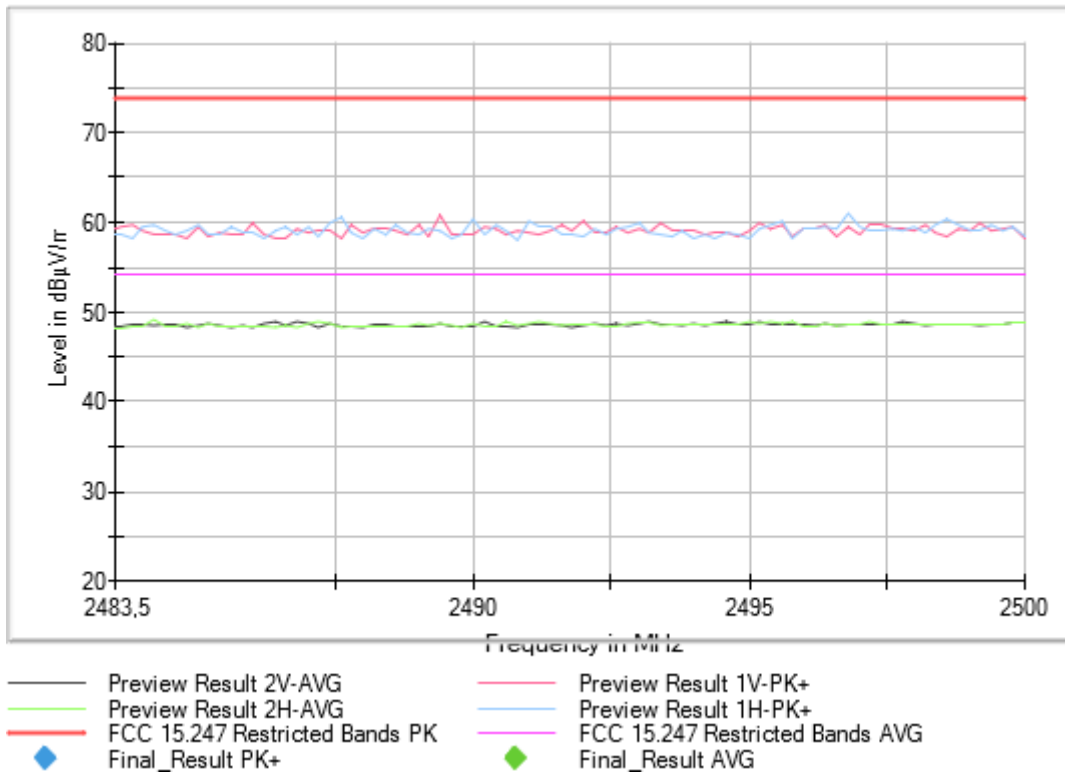
**Plots:**



Full Spectrum

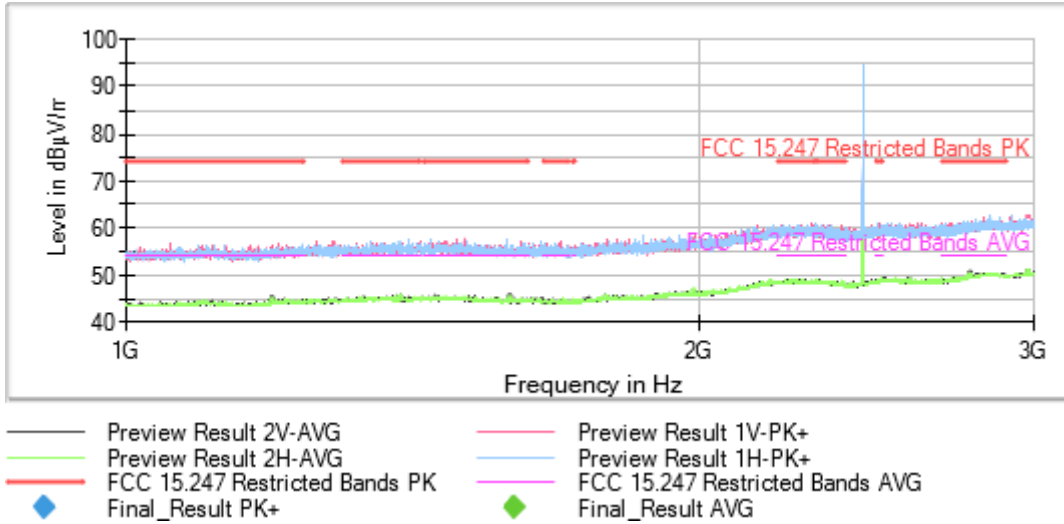


Full Spectrum

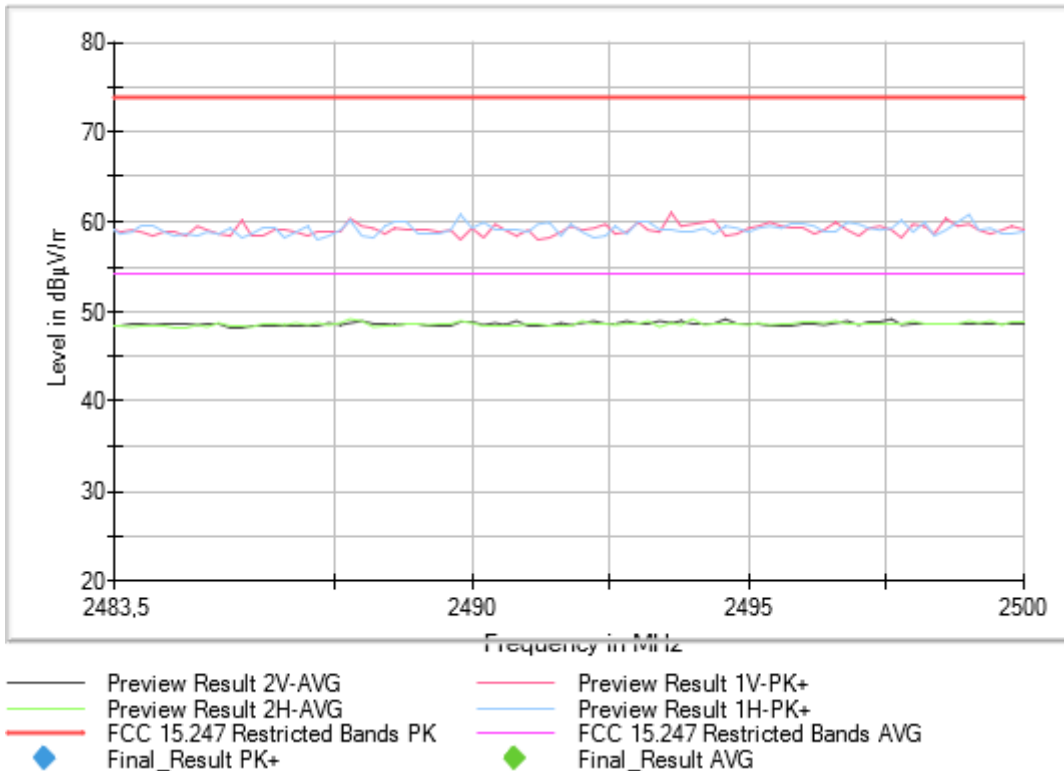


**Frequency (MHz) = 2441.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Modulation: BT (GFSK 1-DH5), Frequency Range (GHz) = [1, 3], Number of Transmission Chains = 1, Active Port: 1**

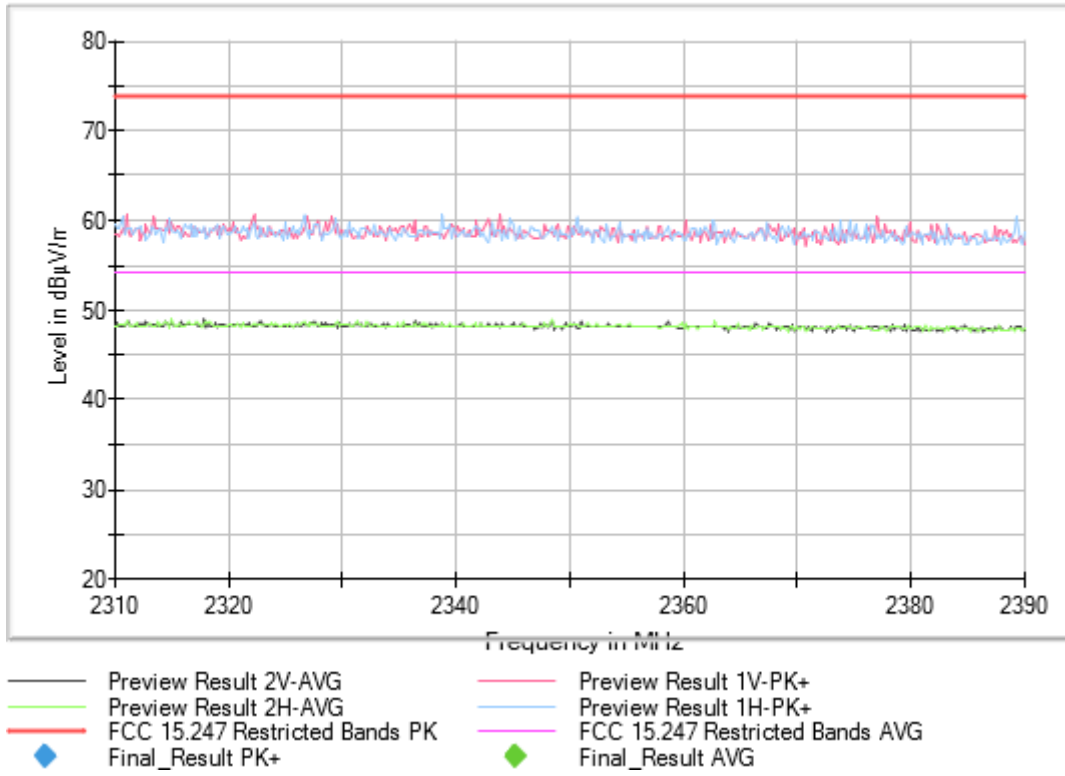
**Plots:**



Full Spectrum

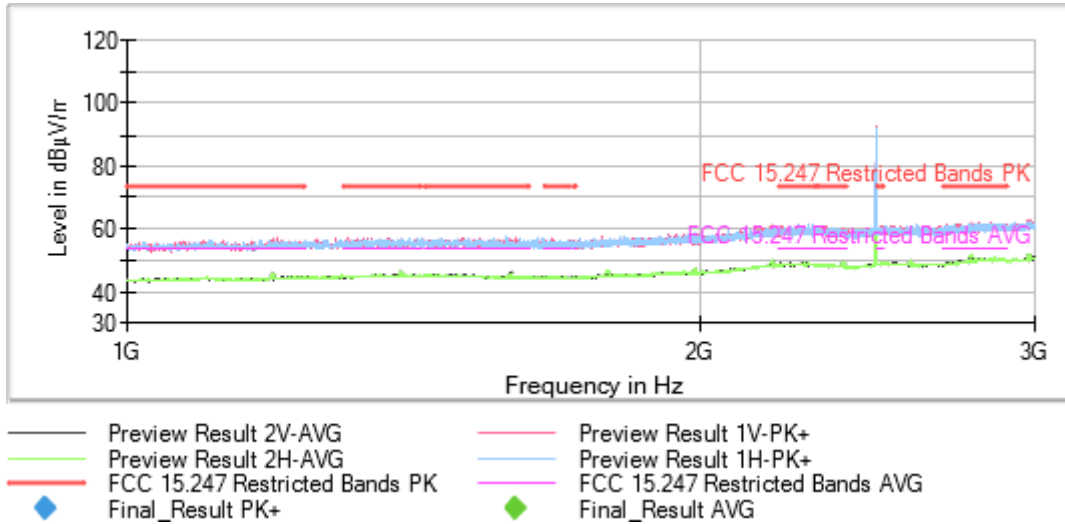


Full Spectrum



**Frequency (MHz) = 2480.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Modulation: BT (GFSK 1-DH5), Frequency Range (GHz) = [1, 3], Number of Transmission Chains = 1, Active Port: 1**

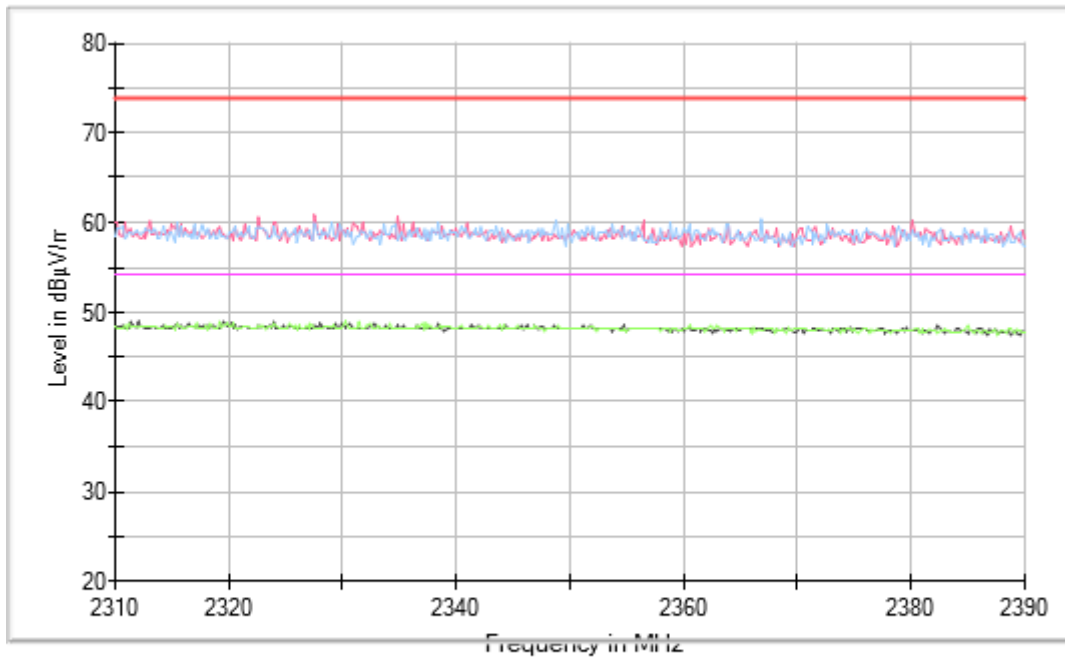
**Plots:**



Full Spectrum



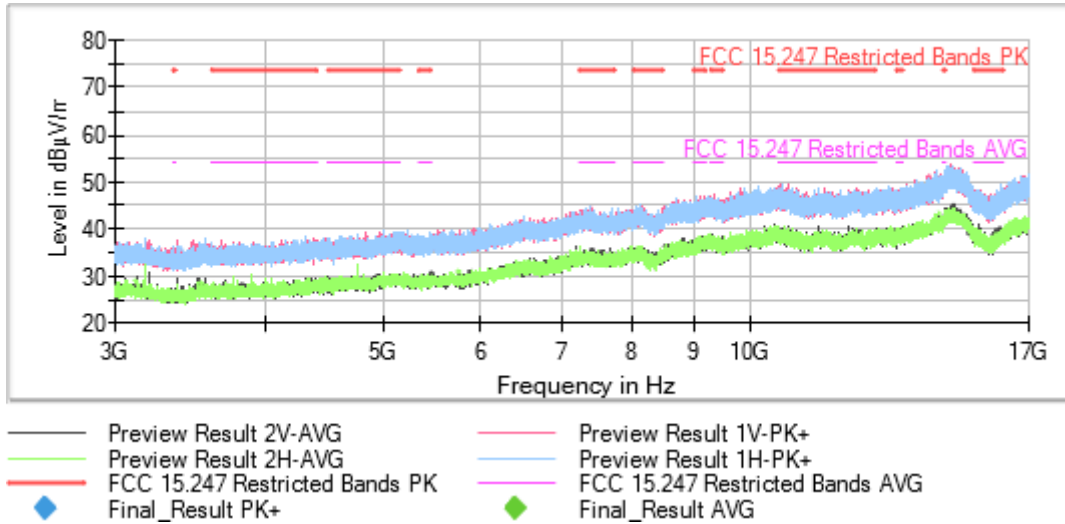
### Full Spectrum



- Preview Result 2V-AVG
- Preview Result 2H-AVG
- FCC 15.247 Restricted Bands PK
- Final\_Result PK+
- Preview Result 1V-PK+
- Preview Result 1H-PK+
- FCC 15.247 Restricted Bands AVG
- Final\_Result AVG

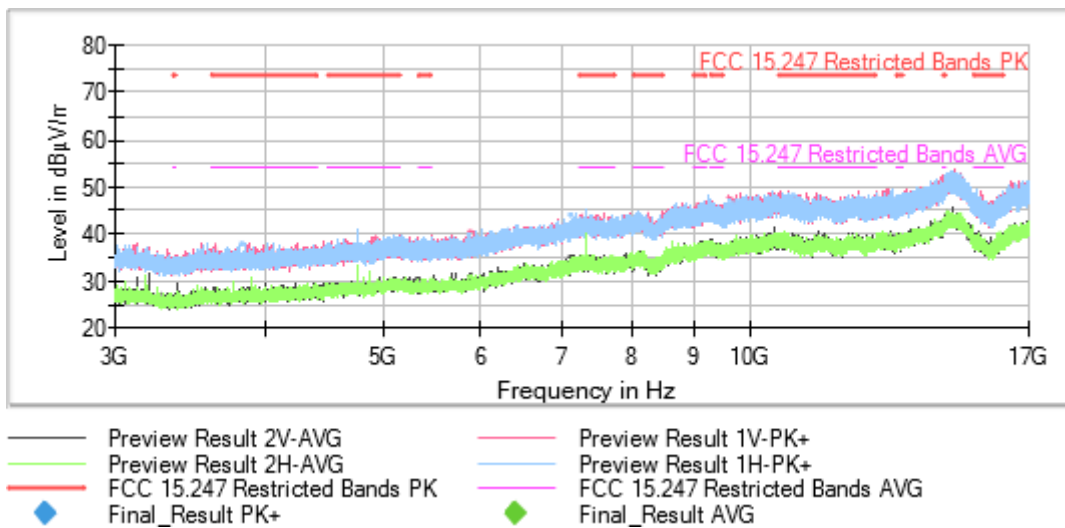
**Frequency (MHz) = 2402.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Modulation: BT (GFSK 1-DH5), Frequency Range (GHz) = [3, 17], Number of Transmission Chains = 1, Active Port: 1**

**Plots:**



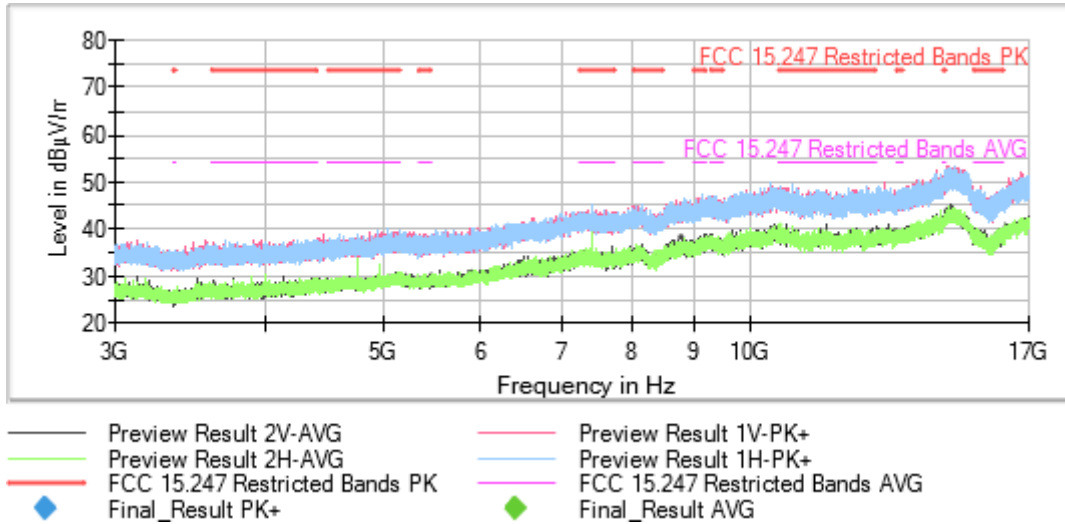
**Frequency (MHz) = 2441.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Modulation: BT (GFSK 1-DH5), Frequency Range (GHz) = [3, 17], Number of Transmission Chains = 1, Active Port: 1**

**Plots:**



**Frequency (MHz) = 2480.00000, Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Modulation: BT (GFSK 1-DH5), Frequency Range (GHz) = [3, 17], Number of Transmission Chains = 1, Active Port: 1**

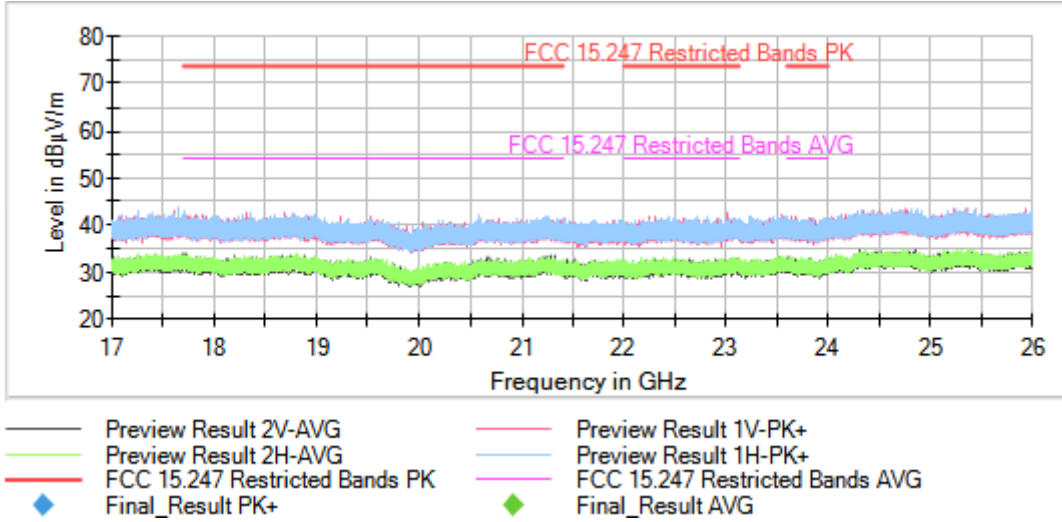
**Plots:**





Equipment Type: Frequency Hopping Spread Spectrum systems (FHSS), Modulation: BT (GFSK 1-DH5),  
Frequency Range (GHz) = [17, 26], Number of Transmission Chains = 1

Plots:



This plot is valid for Low, Middle and High Channels.