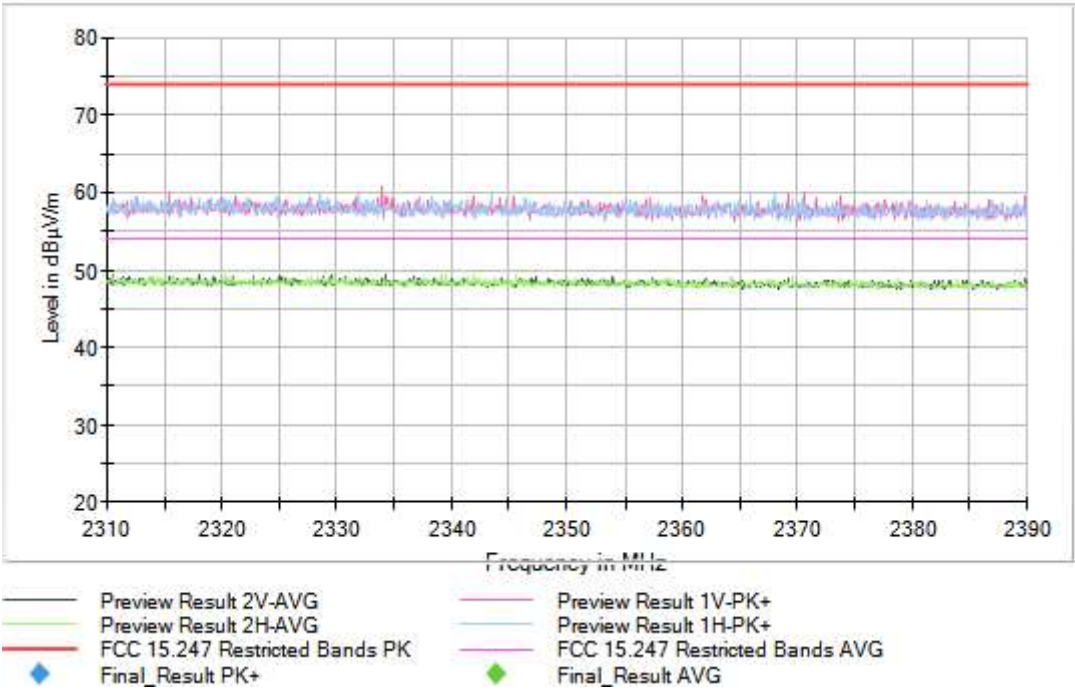
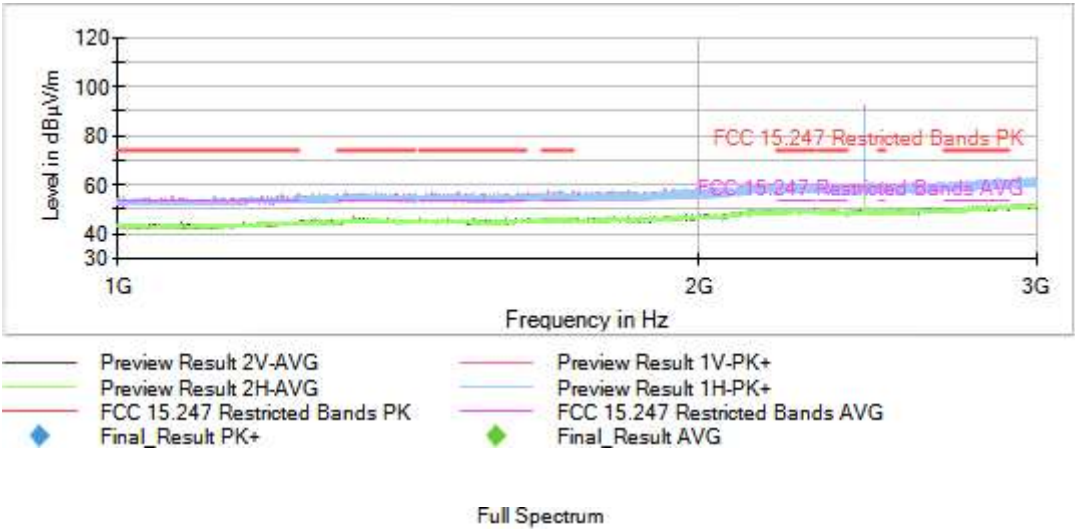
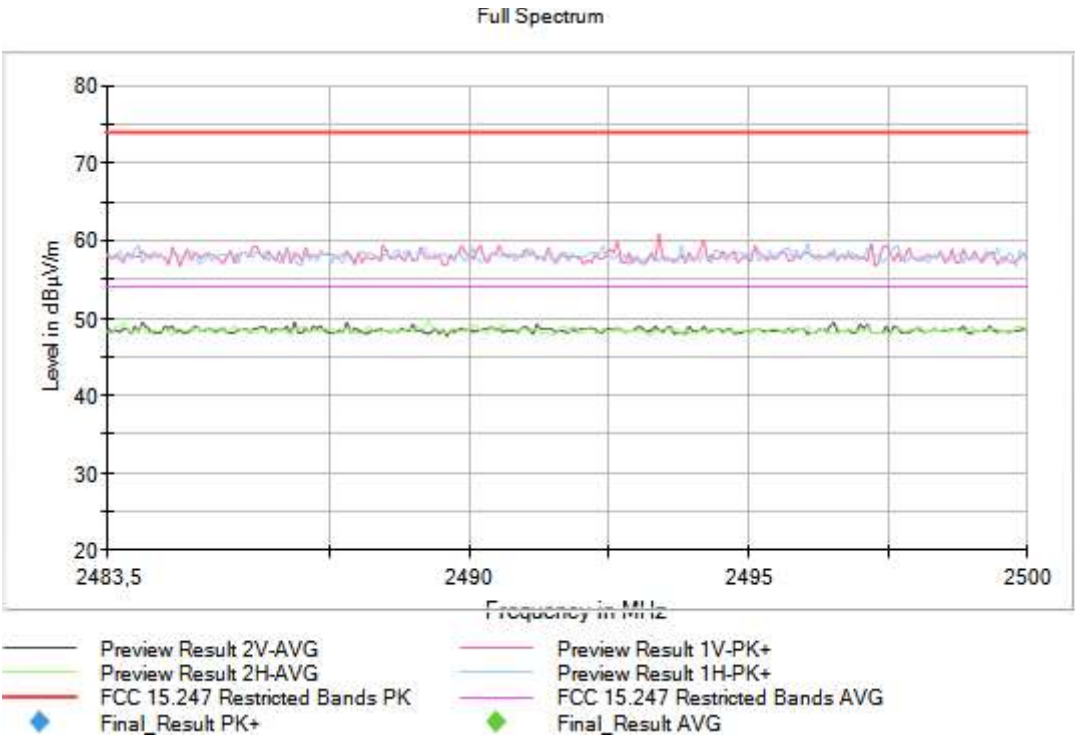


Frequency MHz = 2440.00000 Equipment Type = Digital Transmission System (DTS)
Modulation = BTLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [1, 3]
Number of Transmission Chains = 1 Measurement Point = 1
Active Port = 1

Images:



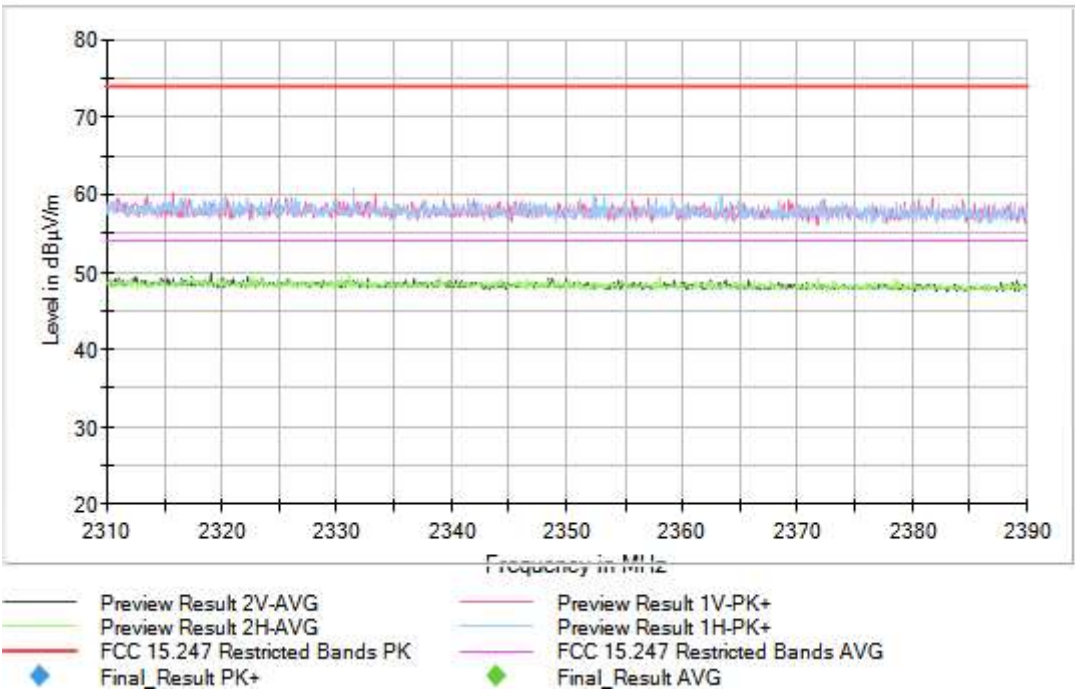
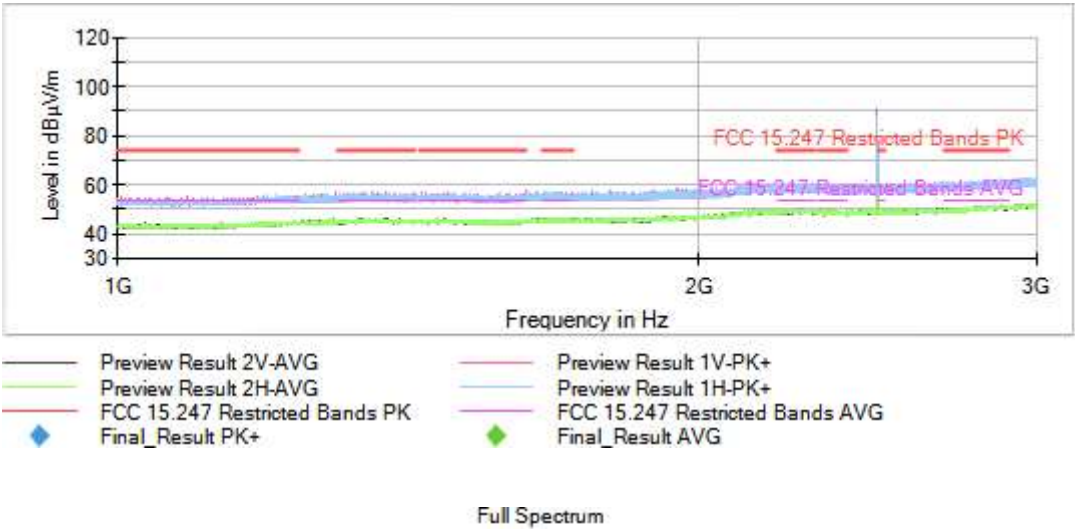


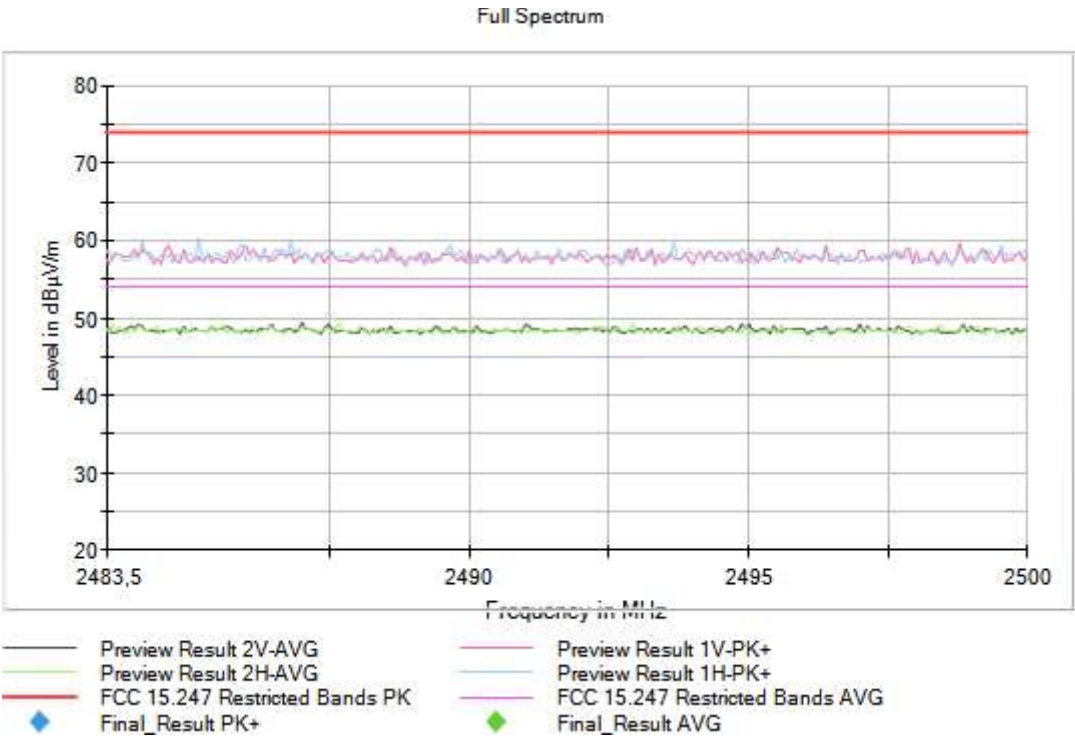
Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	1 GHz - 3 GHz	66,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)
Modulation = BTLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [1, 3]
Number of Transmission Chains = 1 Measurement Point = 1
Active Port = 1

Images:



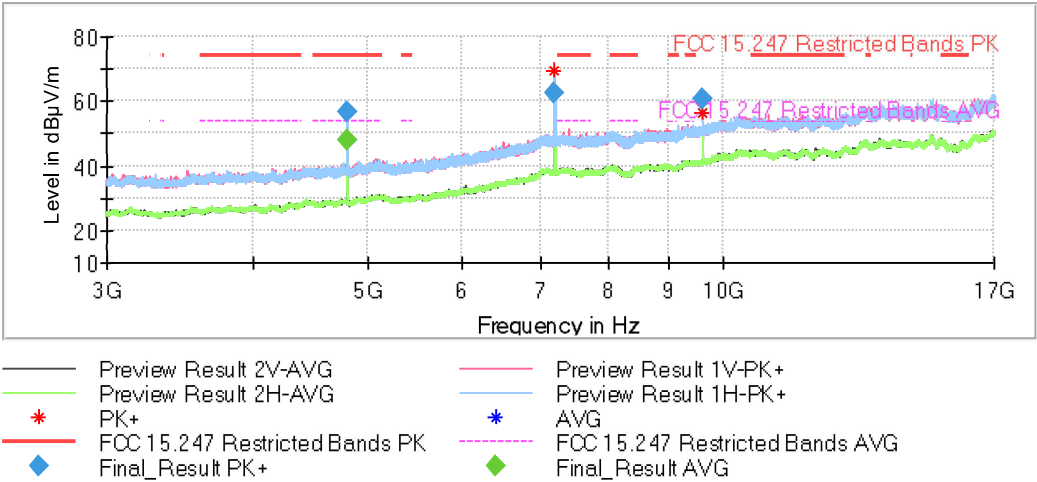


Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	1 GHz - 3 GHz	66,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2402.00000 Equipment Type = Digital Transmission System (DTS)
Modulation = BTLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [3, 17]
Number of Transmission Chains = 1 Measurement Point = 1
Active Port = 1

Images:



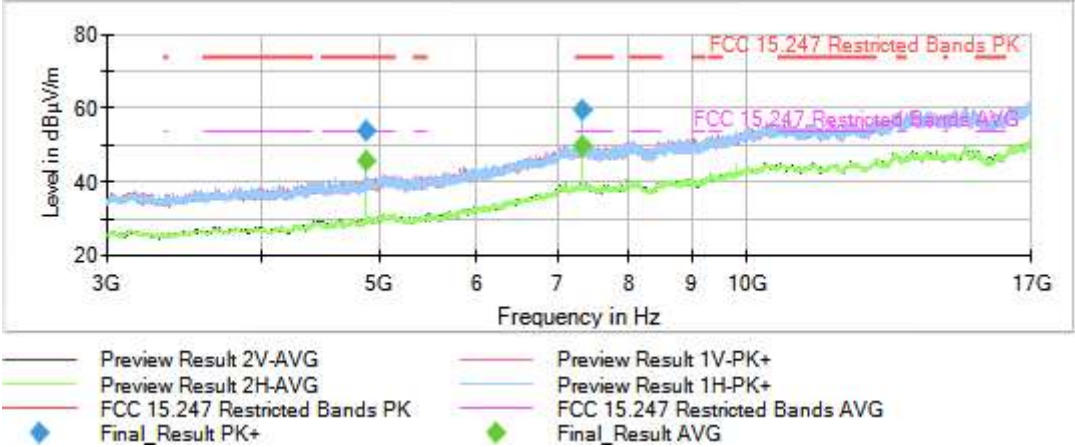
Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	3 GHz - 17 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2440.00000 Equipment Type = Digital Transmission System (DTS)
Modulation = BTLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [3, 17]
Number of Transmission Chains = 1 Measurement Point = 1
Active Port = 1

Images:



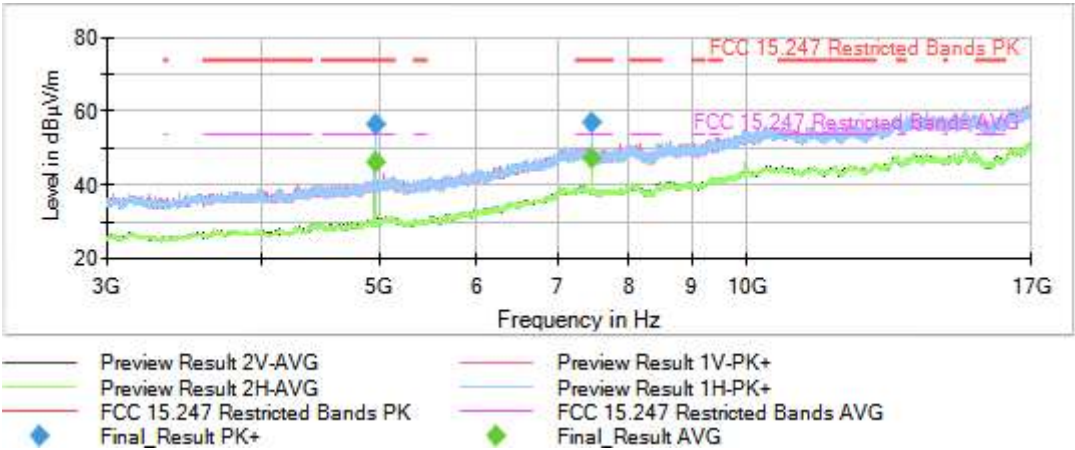
Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	3 GHz - 17 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)
Modulation = BTLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [3, 17]
Number of Transmission Chains = 1 Measurement Point = 1
Active Port = 1

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	3 GHz - 17 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [17, 26]

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

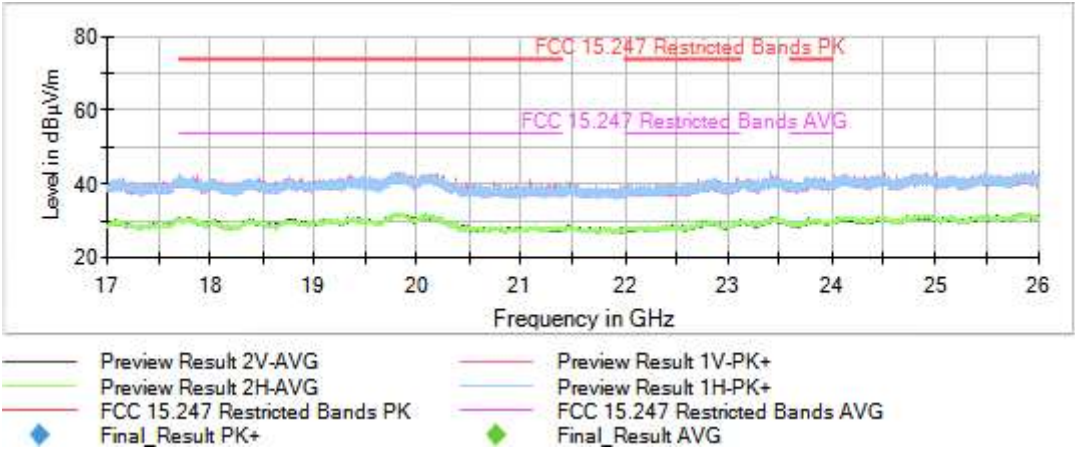
Equipment Type = Digital Transmission System (DTS)

Modulation = BTLE 5.0 (GFSK 1 Mbit/s)

Number of Transmission Chains = 1 Measurement Point = 1

Active Port = 1

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	17 GHz - 26 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Modulation: BTLE 5.0 (GFSK 2 Mbit/s)

Results

Range 30MHz-1GHz

Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[0.03, 1]	30.7275	19.68	V	QP
	30.7275	27.01	V	PK
	45.6655	21.10	V	QP
	45.6655	27.53	V	PK
	48.4300	10.68	V	QP
	48.4300	13.92	V	PK
	62.4465	15.42	V	QP
	62.4465	21.37	V	PK

Range 1GHz-3GHz

No spurious frequencies detected at less than 20dB below the limit.

Range 30MHz-1GHz

Freq (MHz)	Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
2402.00000	[3, 17]	7204.5000 (*)	64.70	V	PK
		9610.5000 (*)	53.42	H	PK
2440.00000	[3, 17]	4881.0000	56.89	H	PK
			37.60	H	AVG
		7318.5000	59.37	H	PK
			42.85	H	AVG
2480.00000	[3, 17]	4960.5000	55.87	H	PK
			38.14	H	AVG
		7438.5000	55.86	V	PK
			40.96	V	AVG

(*): This frequency is not within any restricted band. The emission levels were measured with a RBW = 100 kHz and the measured radiated carrier level was 103.08 dBµV/m with RBW = 100 kHz. The emission level is therefore more than 20 dB below the carrier level as indicated in FCC 15.247 (d).

Range 17GHz-26GHz

No spurious frequencies detected at less than 20dB below the limit.

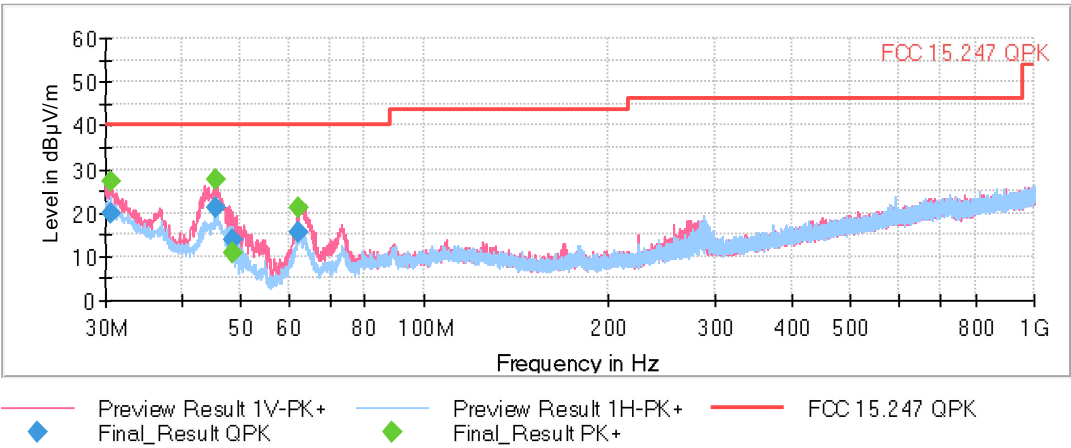
Verdict

Pass

Attachments

Frequency Range GHz = [0.03, 1]
The spurious frequencies detected do not depend on the operating channel.
Equipment Type = Digital Transmission System (DTS)
Modulation = BTLE 5.0 (GFSK 2 Mbit/s)
Number of Transmission Chains = 1 Measurement Point = 1
Active Port = 1

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	30 MHz - 1 GHz	48.5 kHz	PK+	100 kHz	1 s	20 dB

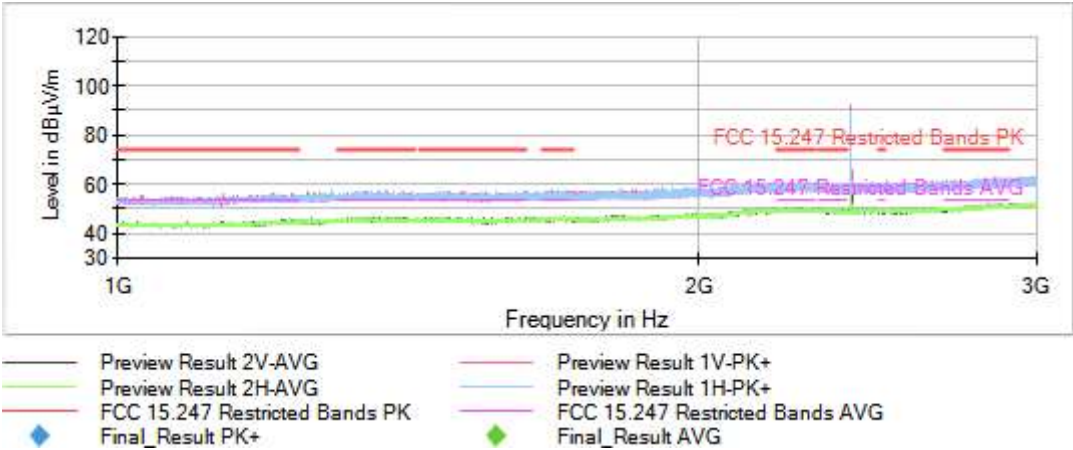
Frequency MHz = 2402.00000 Equipment Type = Digital Transmission System (DTS)

Modulation = BTLE 5.0 (GFSK 2 Mbit/s) Frequency Range GHz = [1, 3]

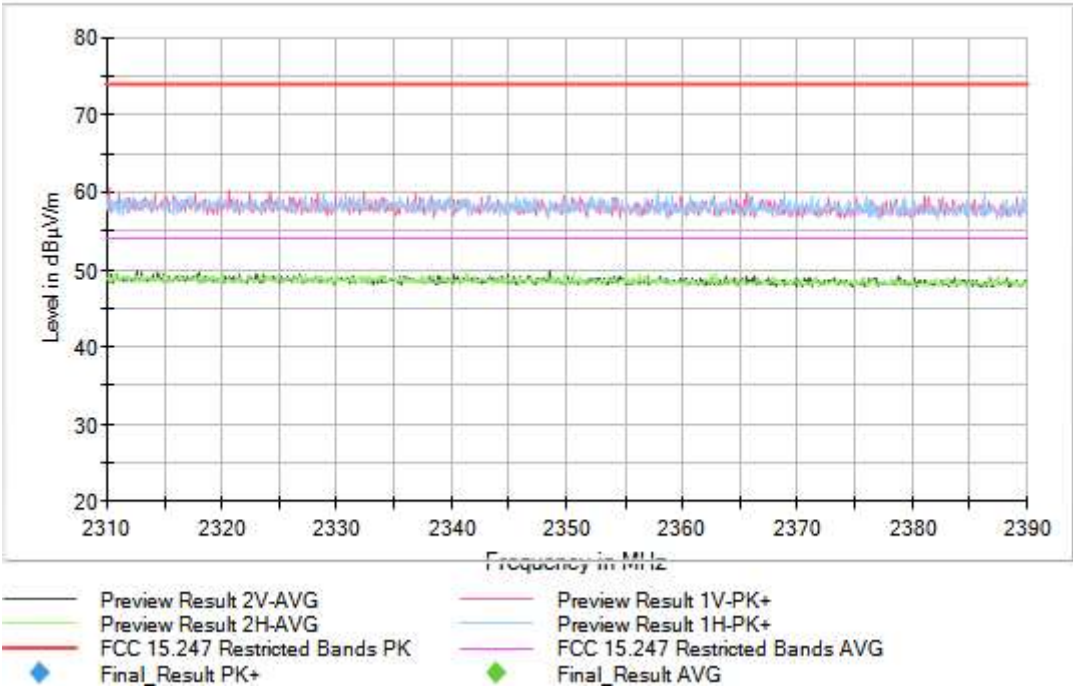
Number of Transmission Chains = 1 Measurement Point = 1

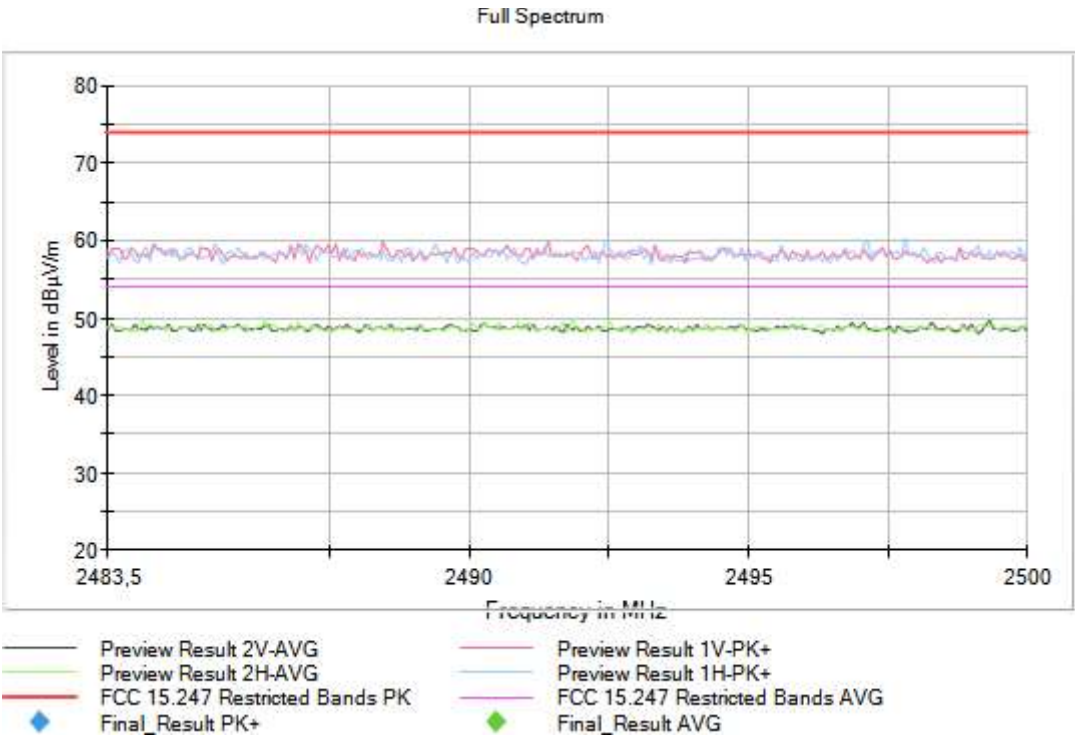
Active Port = 1

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	1 GHz - 3 GHz	66,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

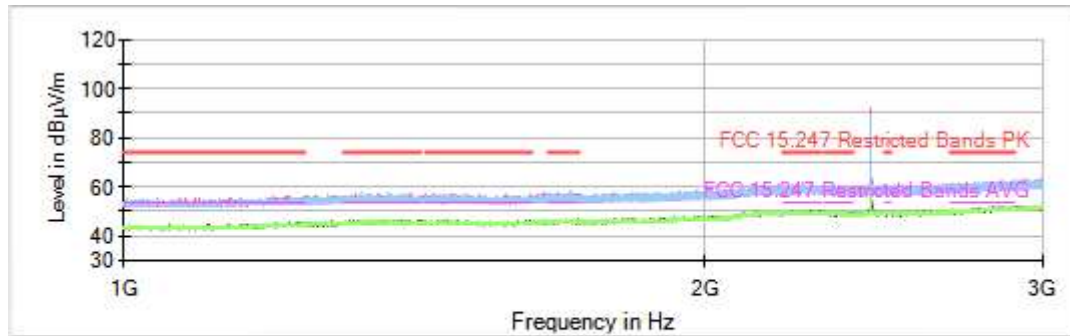
Frequency MHz = 2440.00000 Equipment Type = Digital Transmission System (DTS)

Modulation = BTLE 5.0 (GFSK 2 Mbit/s) Frequency Range GHz = [1, 3]

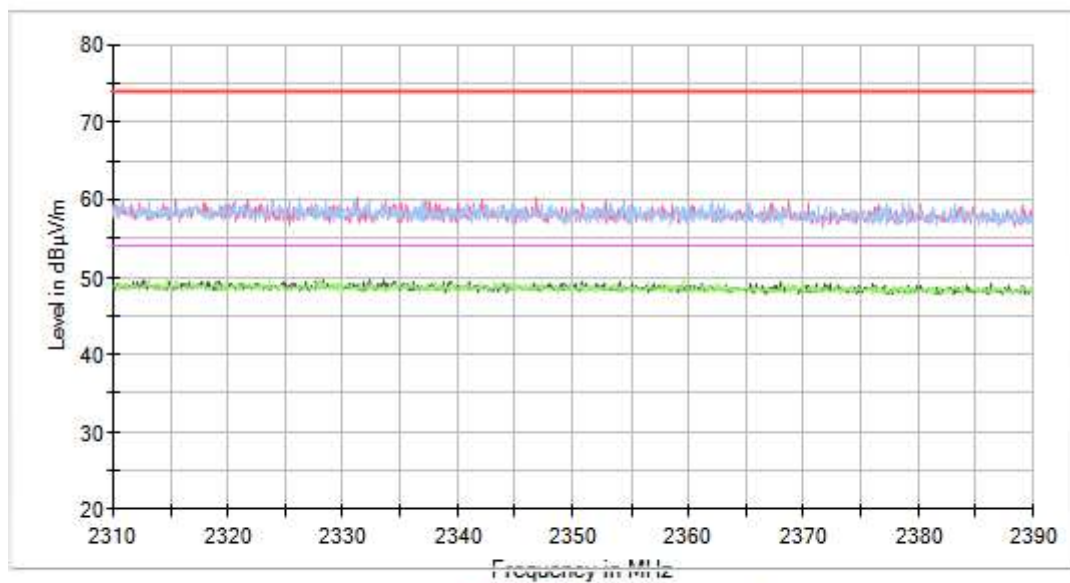
Number of Transmission Chains = 1 Measurement Point = 1

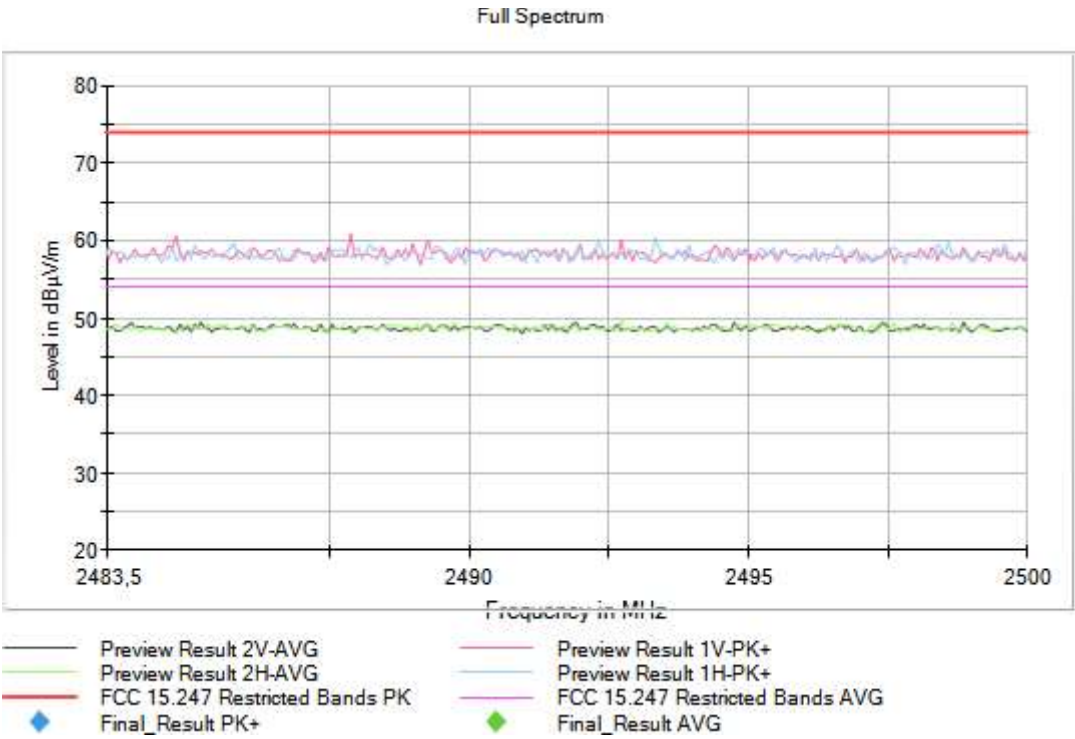
Active Port = 1

Images:



Full Spectrum





Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	1 GHz - 3 GHz	66,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

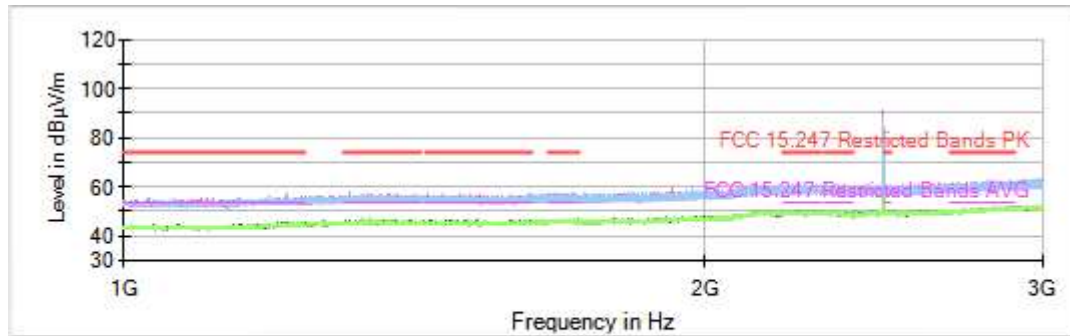
Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)

Modulation = BTLE 5.0 (GFSK 2 Mbit/s) Frequency Range GHz = [1, 3]

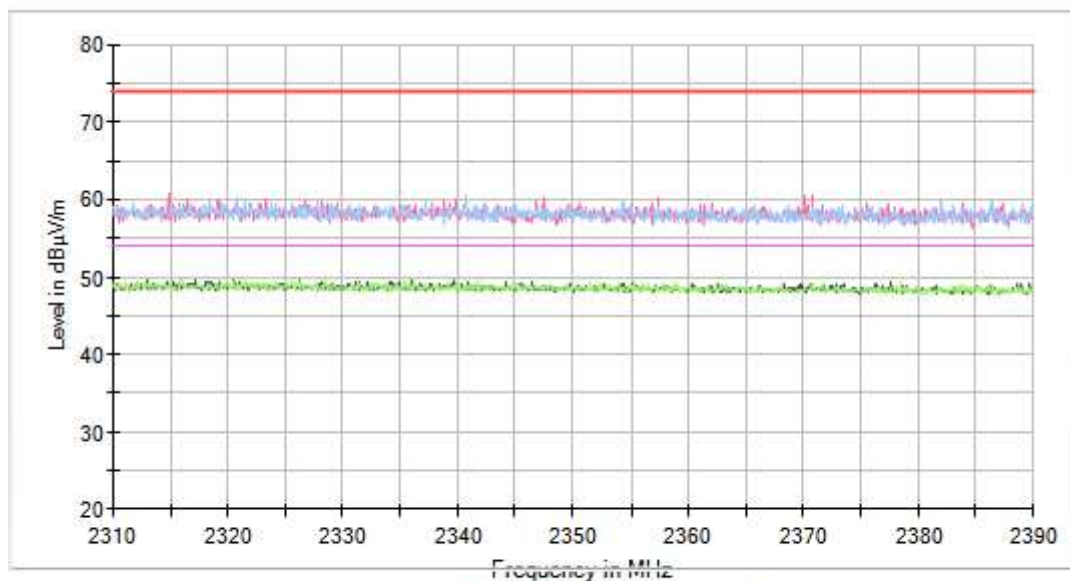
Number of Transmission Chains = 1 Measurement Point = 1

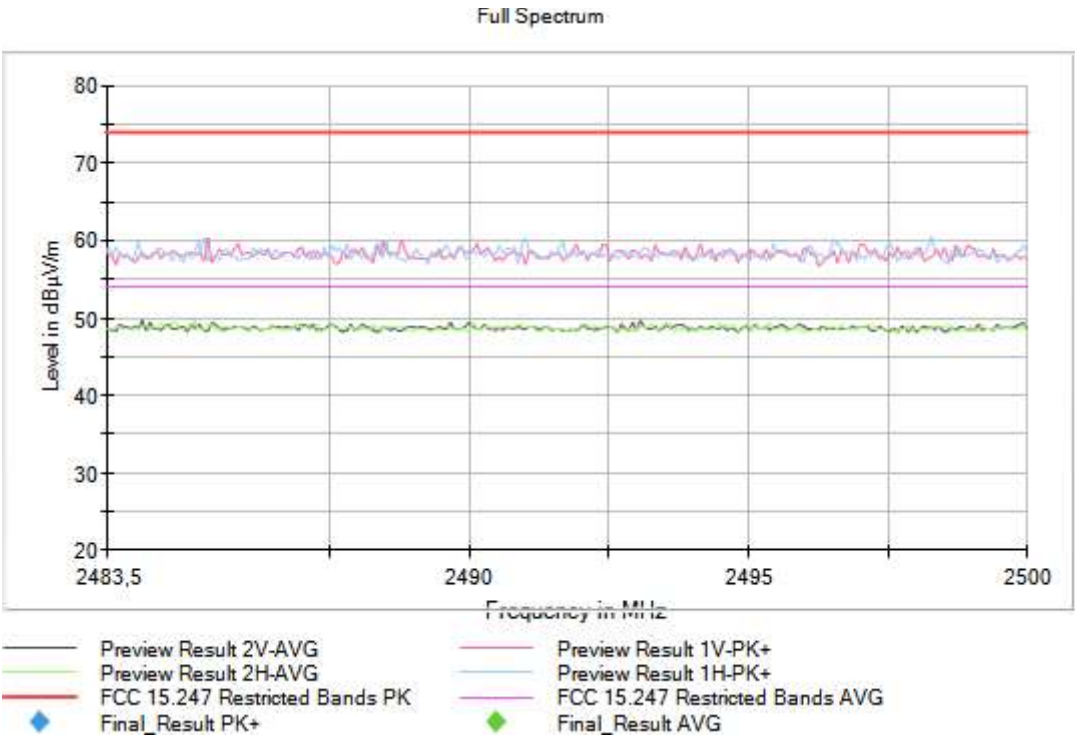
Active Port = 1

Images:



Full Spectrum



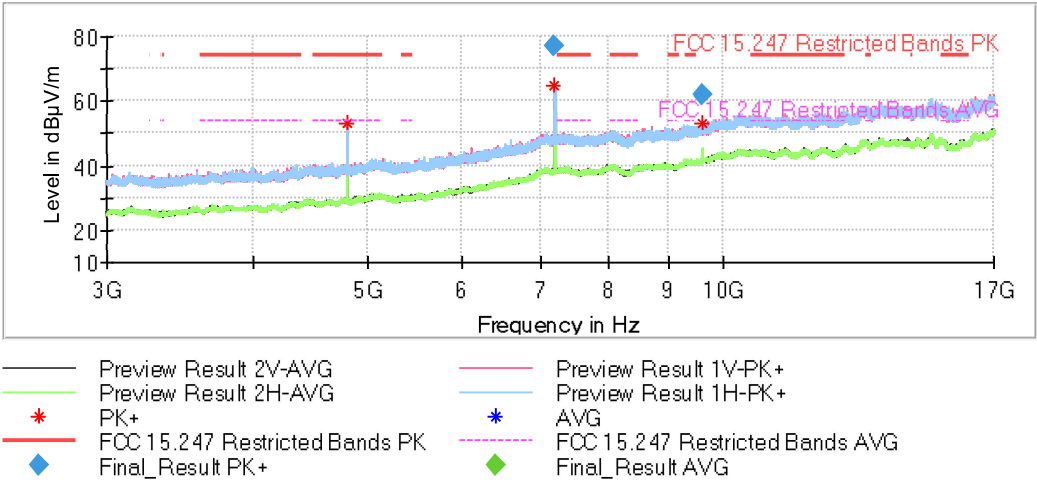


Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	1 GHz - 3 GHz	66,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2402.00000 Equipment Type = Digital Transmission System (DTS)
Modulation = BTLE 5.0 (GFSK 2 Mbit/s) Frequency Range GHz = [3, 17]
Number of Transmission Chains = 1 Measurement Point = 1
Active Port = 1

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	3 GHz - 17 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

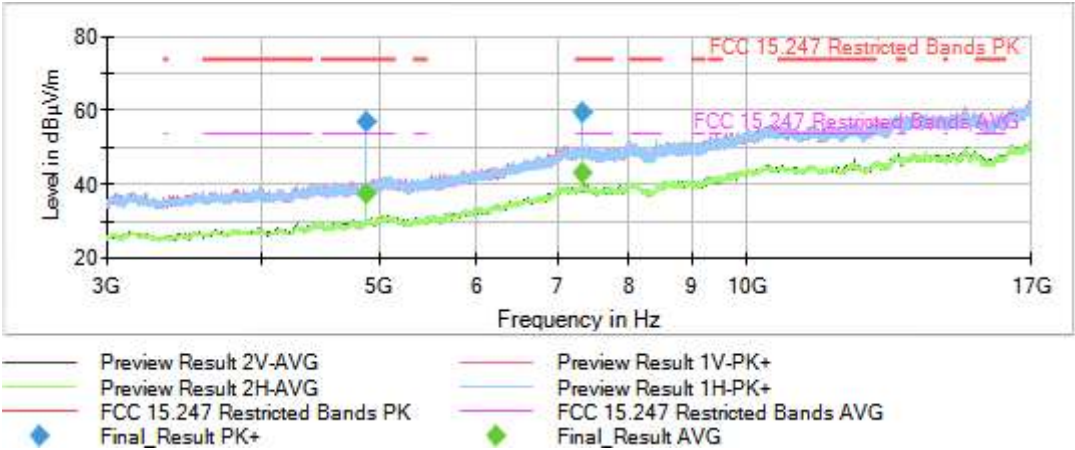
Frequency MHz = 2440.00000 Equipment Type = Digital Transmission System (DTS)

Modulation = BTLE 5.0 (GFSK 2 Mbit/s) Frequency Range GHz = [3, 17]

Number of Transmission Chains = 1 Measurement Point = 1

Active Port = 1

Images:



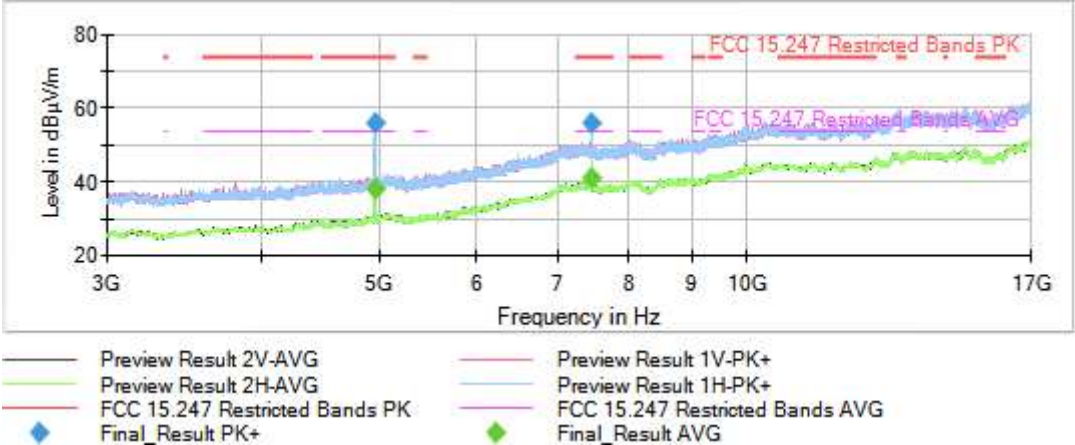
Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	3 GHz - 17 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)
Modulation = BTLE 5.0 (GFSK 2 Mbit/s) Frequency Range GHz = [3, 17]
Number of Transmission Chains = 1 Measurement Point = 1
Active Port = 1

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	3 GHz - 17 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [17, 26]

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

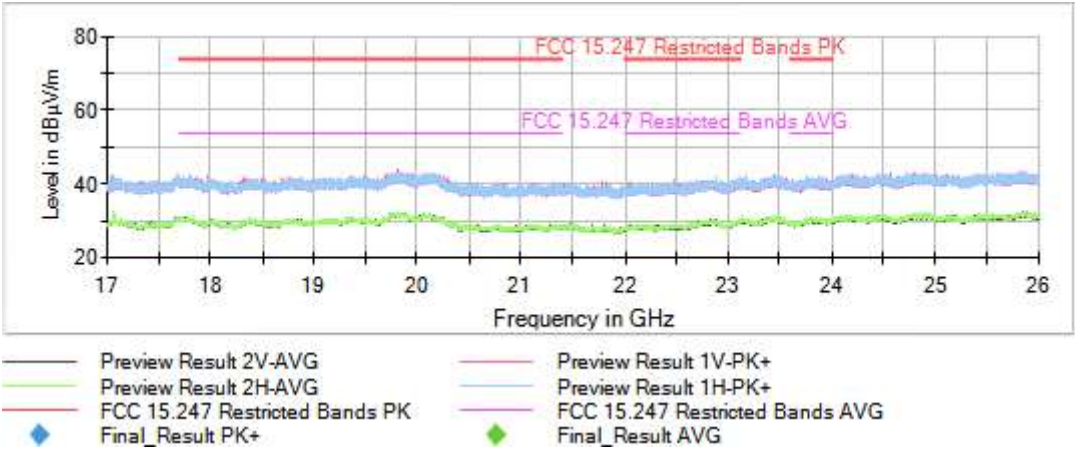
Equipment Type = Digital Transmission System (DTS)

Modulation = BTLE 5.0 (GFSK 2 Mbit/s) Number of Transmission Chains = 1

Measurement Point = 1

Active Port = 1

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	17 GHz - 26 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

99dBw Occupied Channel Bandwidth 99%

Limits

No Limit has been set to this test case

Modulation: BTLE 5.0 (GFSK 1 Mbit/s)

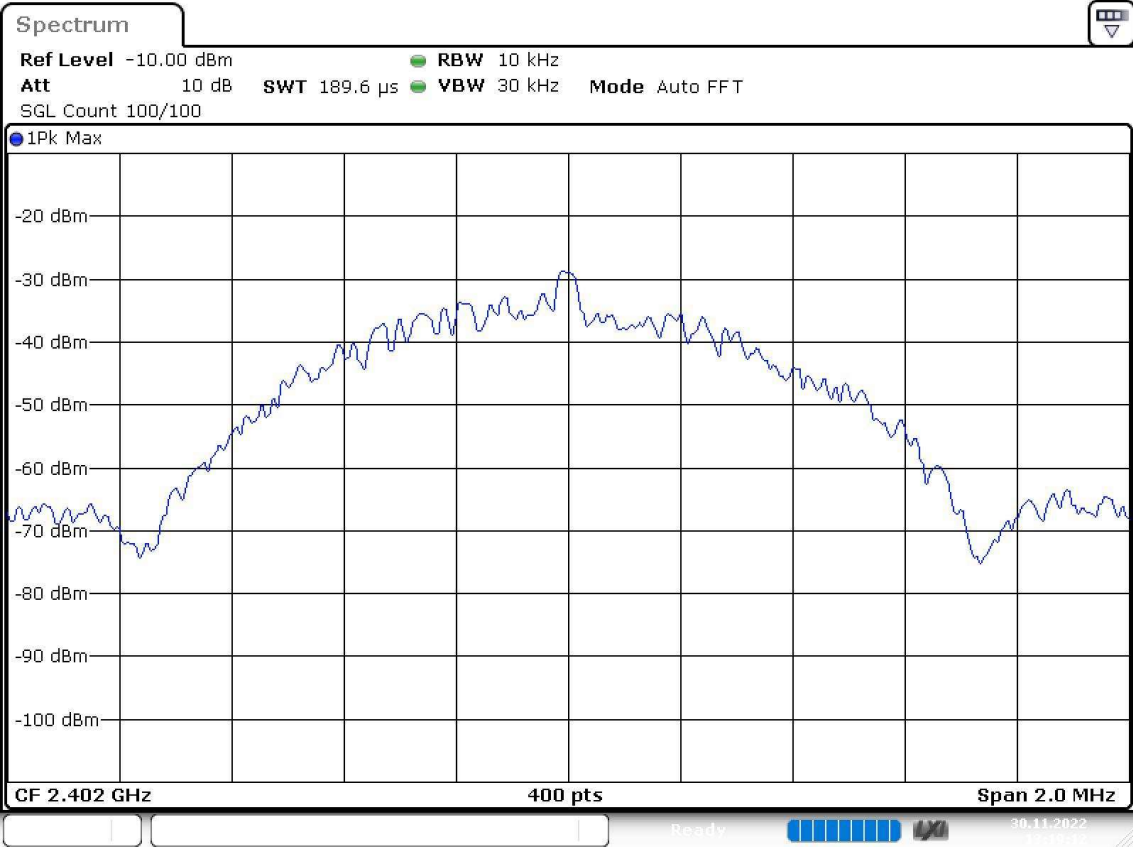
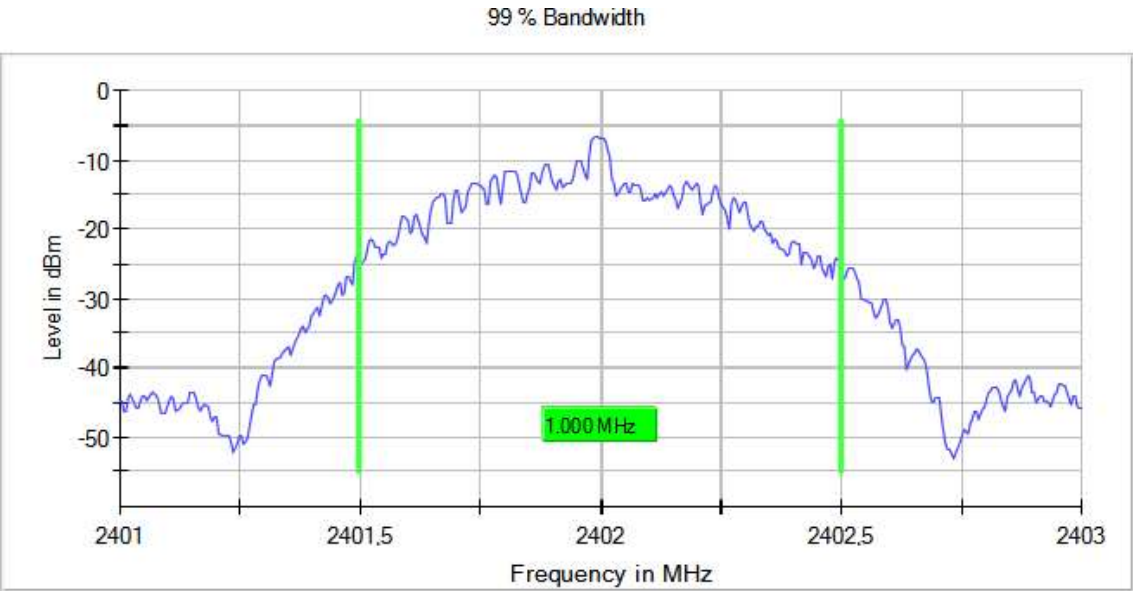
Results

Freq (MHz)	Equipment	BW (MHz)	# of Tx Chains	Port	Occ Ch BW (MHz)
2402.00000	Digital Transmission System (DTS)	1	1	1	1.000
2440.00000					1.000
2480.00000					1.000

Attachments

Frequency MHz = 2402.00000 Equipment Type = Digital Transmission System (DTS)
Bandwidth MHz = 1 Modulation = BTLE 5.0 (GFSK 1 Mbit/s)
Number of Transmission Chains = 1 Active Port = 1

Images:



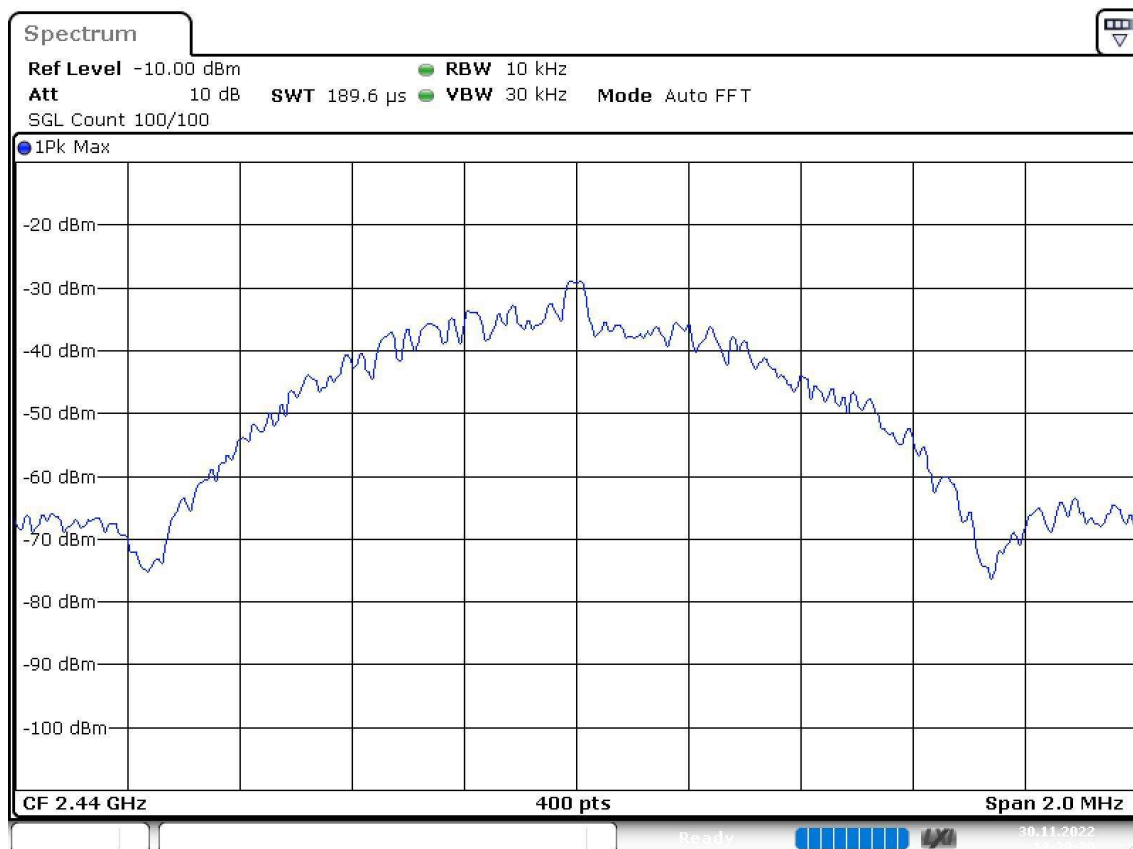
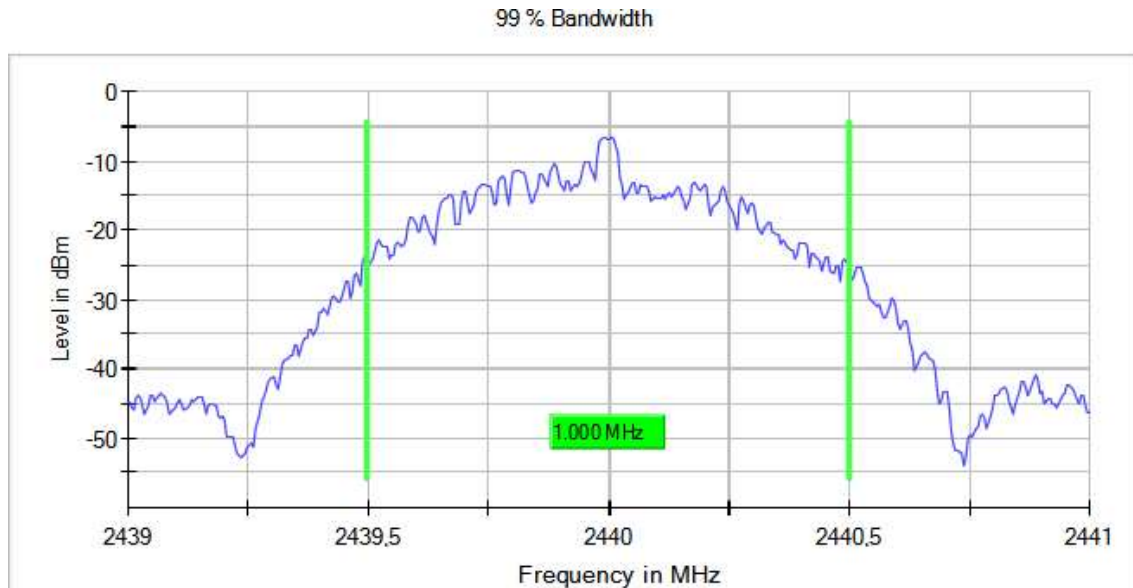
Date: 30.NOV.2022 13:19:12

Frequency MHz = 2440.00000 Equipment Type = Digital Transmission System (DTS)

Bandwidth MHz = 1 Modulation = BTLE 5.0 (GFSK 1 Mbit/s)

Number of Transmission Chains = 1 Active Port = 1

Images:



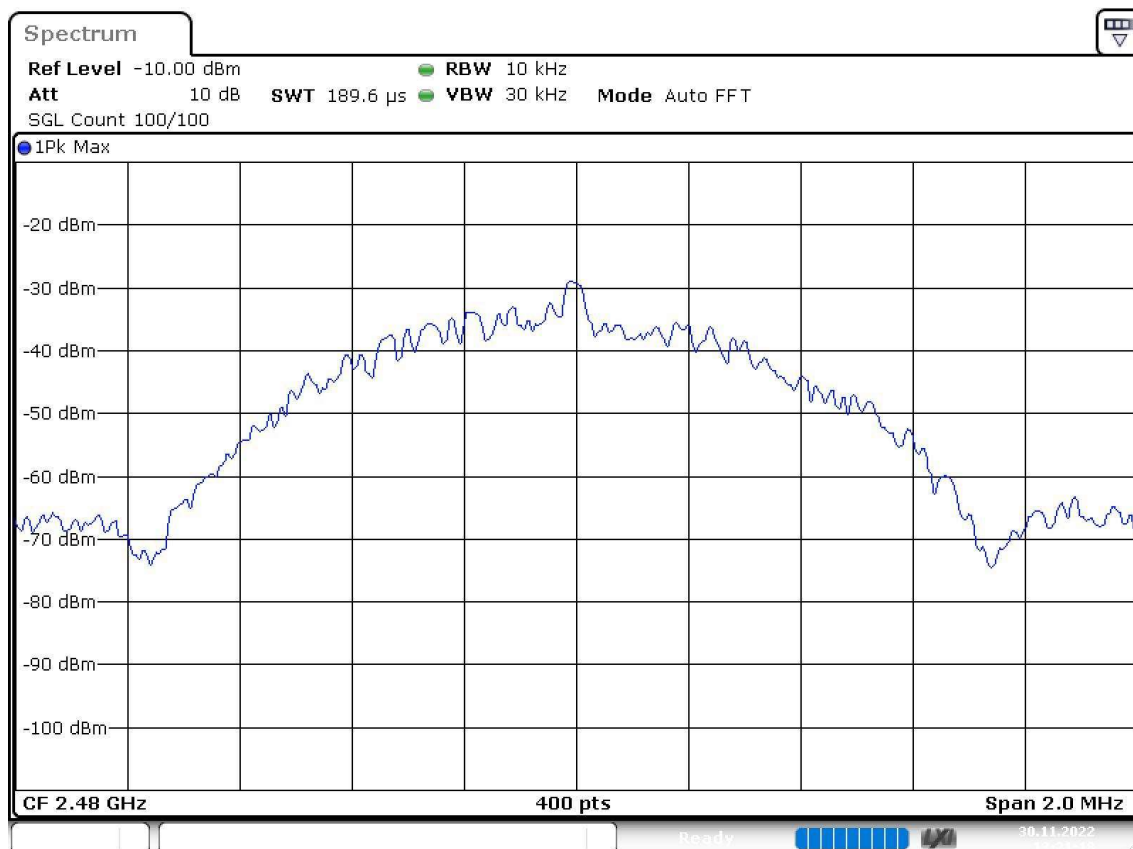
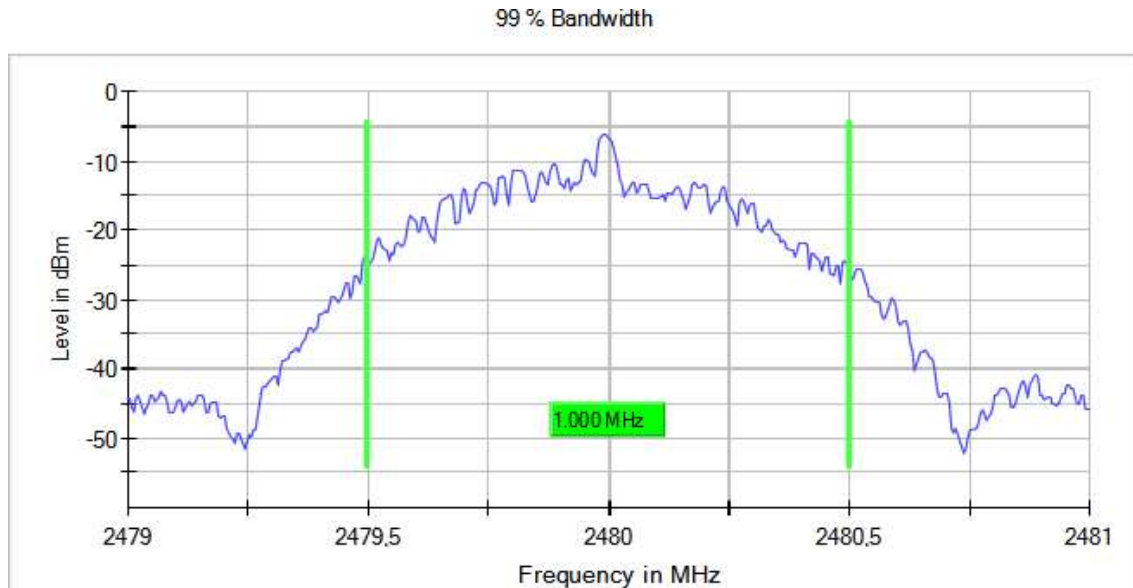
Date: 30.NOV.2022 13:20:31

Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)

Bandwidth MHz = 1 Modulation = BTLE 5.0 (GFSK 1 Mbit/s)

Number of Transmission Chains = 1 Active Port = 1

Images:



Date: 30.NOV.2022 13:21:18

Modulation: BTLE 5.0 (GFSK 2 Mbit/s)

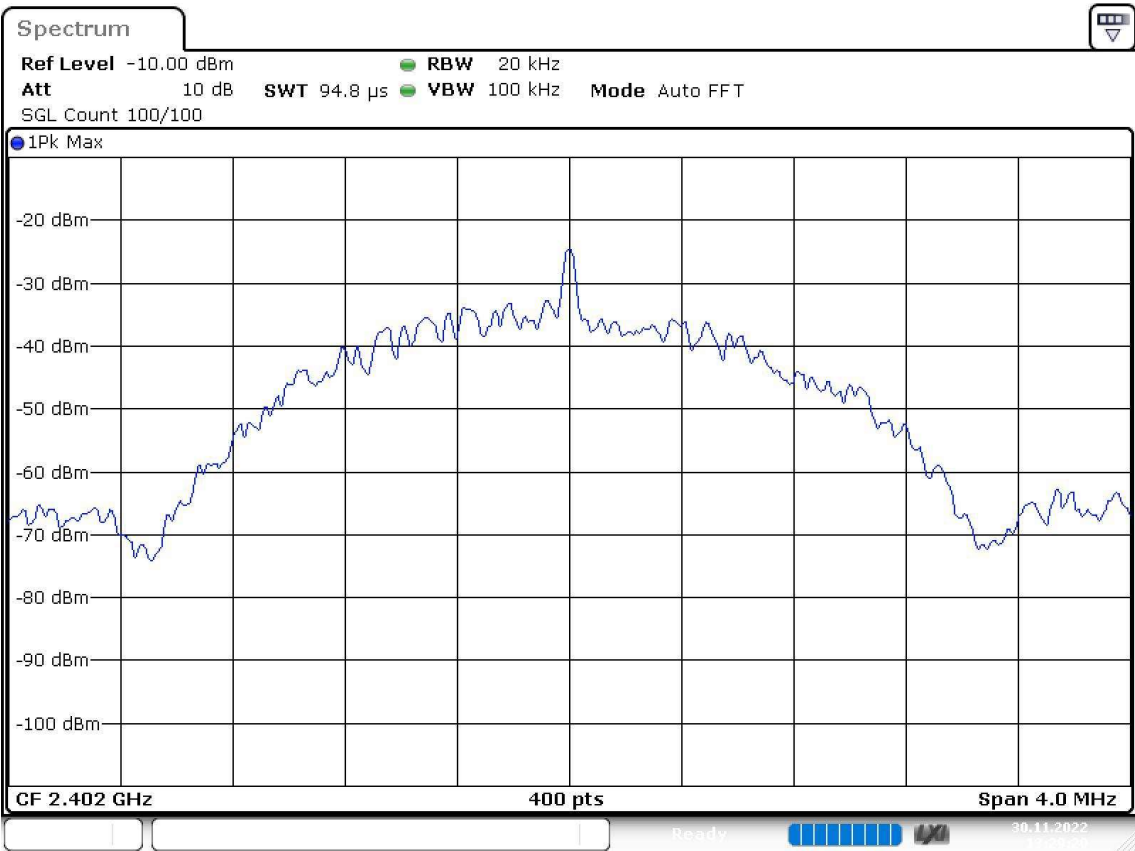
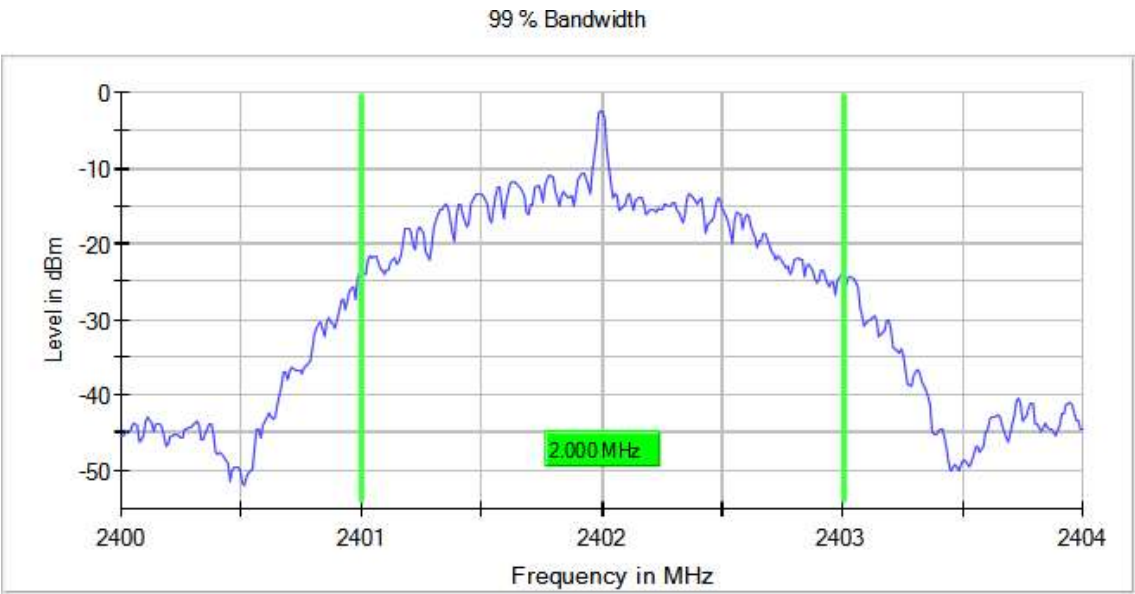
Results

Freq (MHz)	Equipment	BW (MHz)	# of Tx Chains	Port	Occ Ch BW (MHz)
2402.00000	Digital Transmission System (DTS)	2	1	1	2.000
2440.00000					2.000
2480.00000					2.000

Attachments

Frequency MHz = 2402.00000 Equipment Type = Digital Transmission System (DTS)
Bandwidth MHz = 2 Modulation = BTLE 5.0 (GFSK 2 Mbit/s)
Number of Transmission Chains = 1 Active Port = 1

Images:



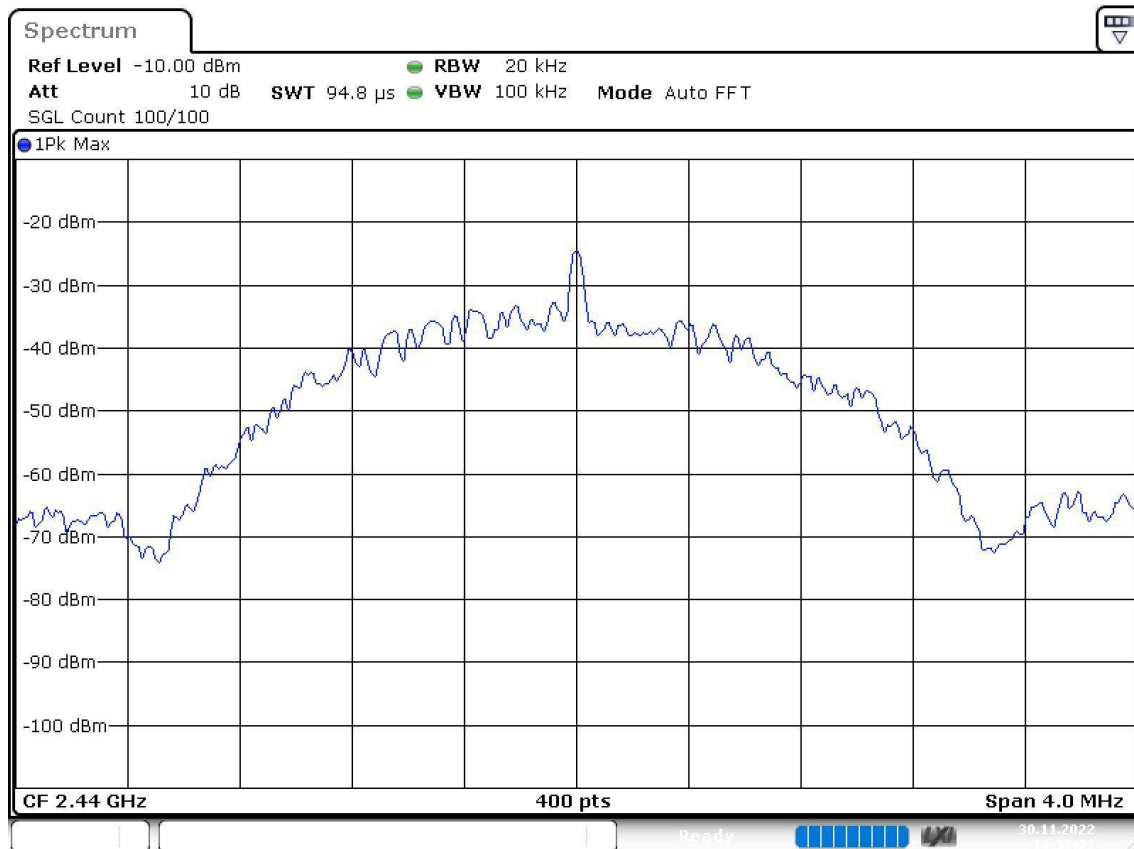
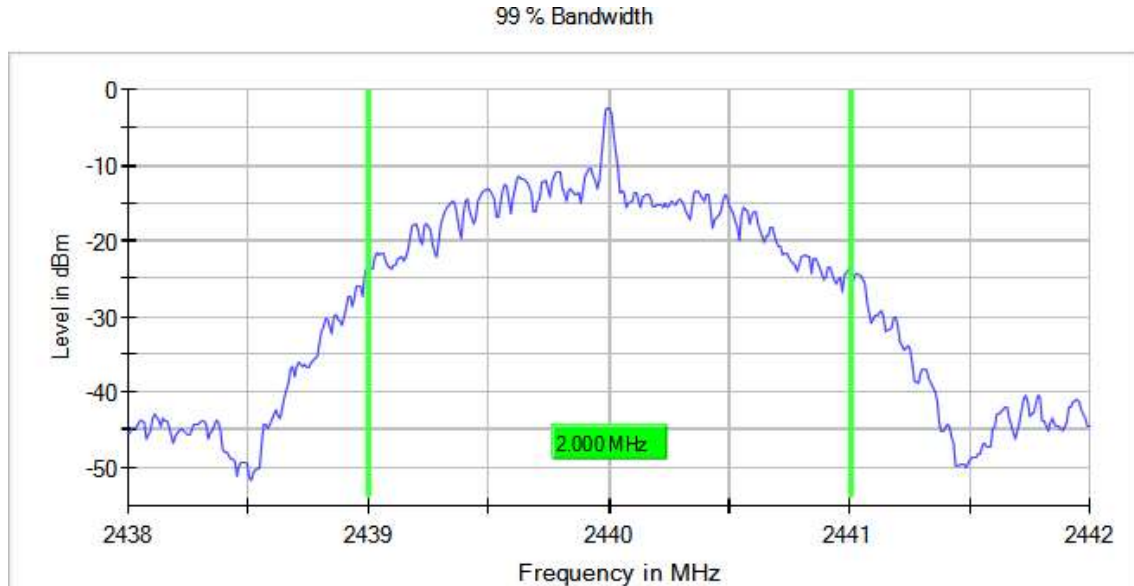
Date: 30.NOV.2022 13:29:20

Frequency MHz = 2440.00000 Equipment Type = Digital Transmission System (DTS)

Bandwidth MHz = 2 Modulation = BTLE 5.0 (GFSK 2 Mbit/s)

Number of Transmission Chains = 1 Active Port = 1

Images:



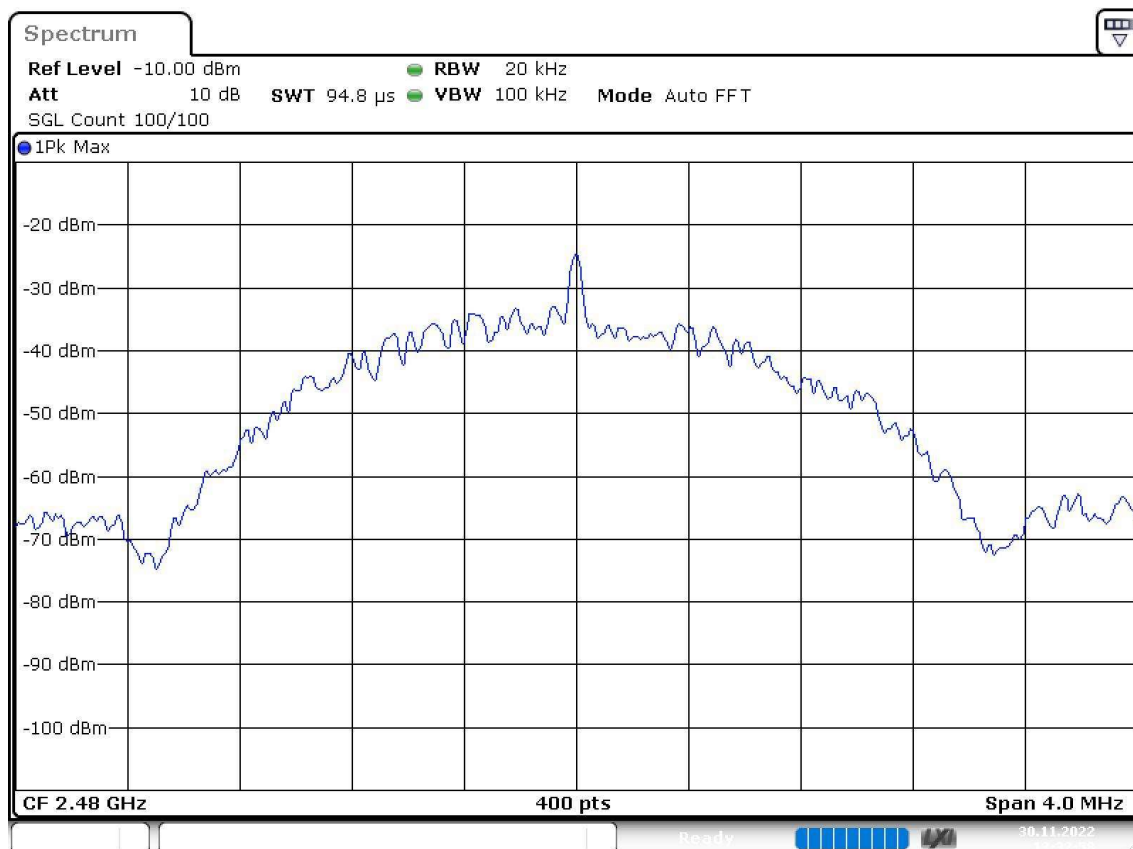
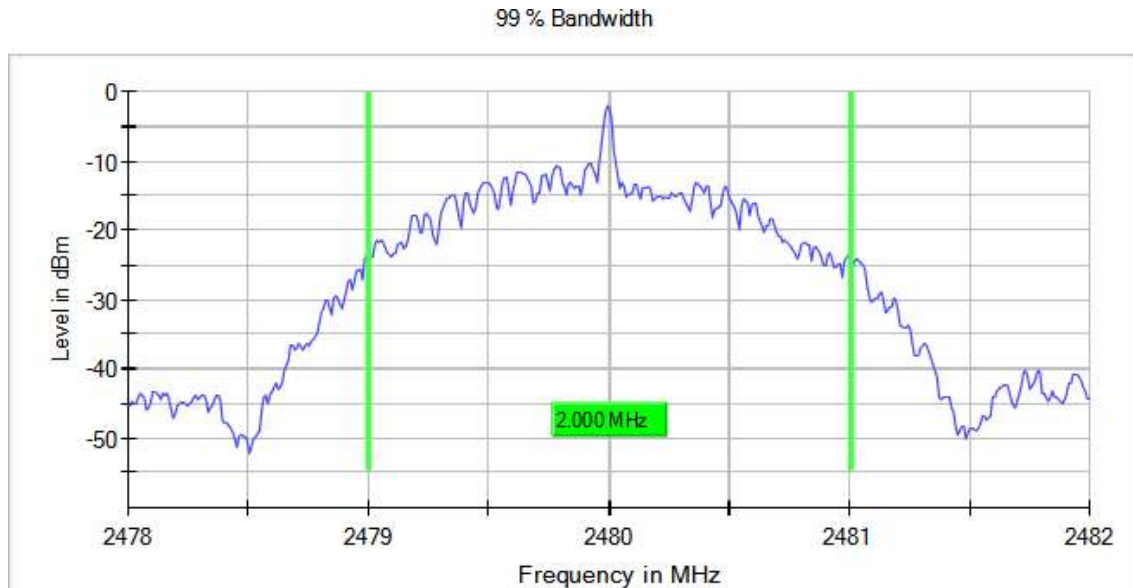
Date: 30.NOV.2022 13:31:22

Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)

Bandwidth MHz = 2 Modulation = BTLE 5.0 (GFSK 2 Mbit/s)

Number of Transmission Chains = 1 Active Port = 1

Images:



Date: 30.NOV.2022 13:32:58