Max Power & PSD, Chain A – CH120

Spectrum		
Ref Level 15.00 dBm	● RBW 1 MHz	
● Att 25 dB ● SWT 10 s ● VBW 3 MHz	Mode Auto Sweep	

SGL TDF

● 1Rm Clrw

M1[1] 9.14 dBm 5,602830 GHz

TX1

CF 5.6 GHz 500 pts Span 51.4 MHz

Channel Power

Bandwidth 25.28 MHz   Power 20.32 dBm   Tx Total 20.32 dBm

Max Power & PSD, Chain B – CH120

Spectrum		
Ref Level 15.00 dBm	● RBW 1 MHz	
● Att 25 dB ● SWT 10 s ● VBW 3 MHz	Mode Auto Sweep	

SGL TDF

● 1Rm Clrw

M1[1] 9.10 dBm 5,603120 GHz

TX1

CF 5.6 GHz 500 pts Span 51.1 MHz

Channel Power

Bandwidth 25.12 MHz   Power 20.26 dBm   Tx Total 20.26 dBm

Max Power & PSD, Chain A – CH140

Max Power & PSD, Chain B – CH140

(intel)

Max Power & PSD, Chain A – CH144 (Overlapped Channel)
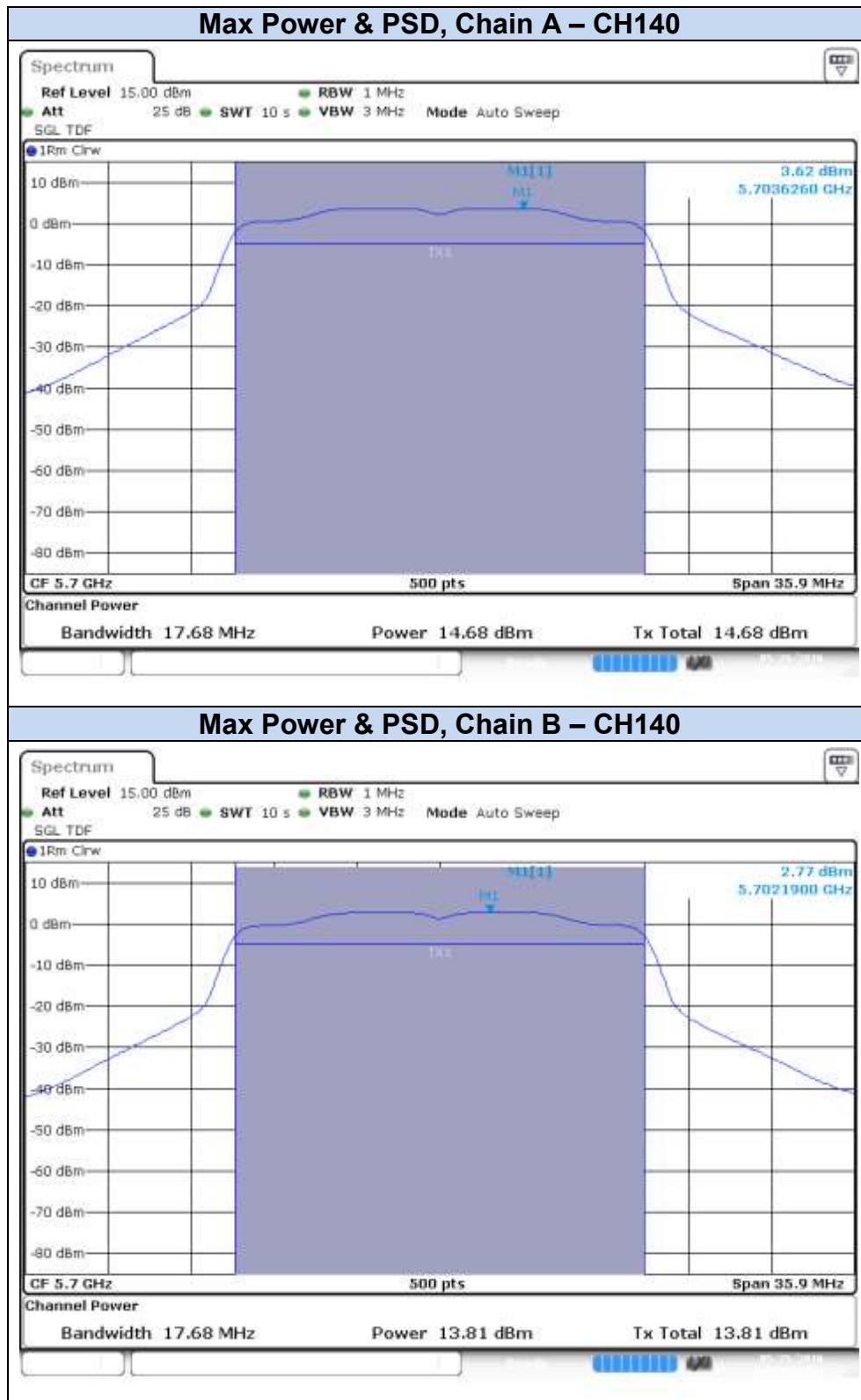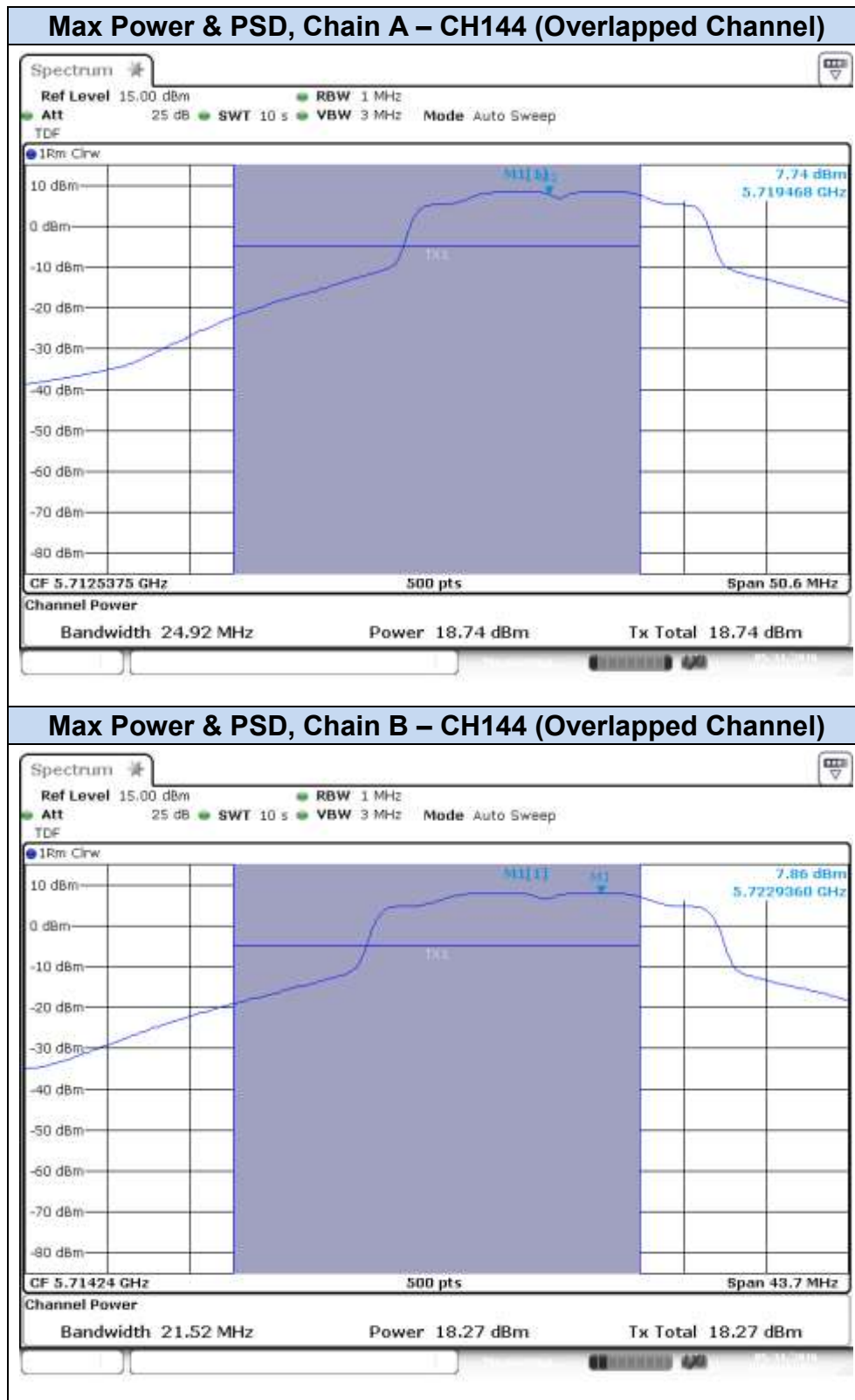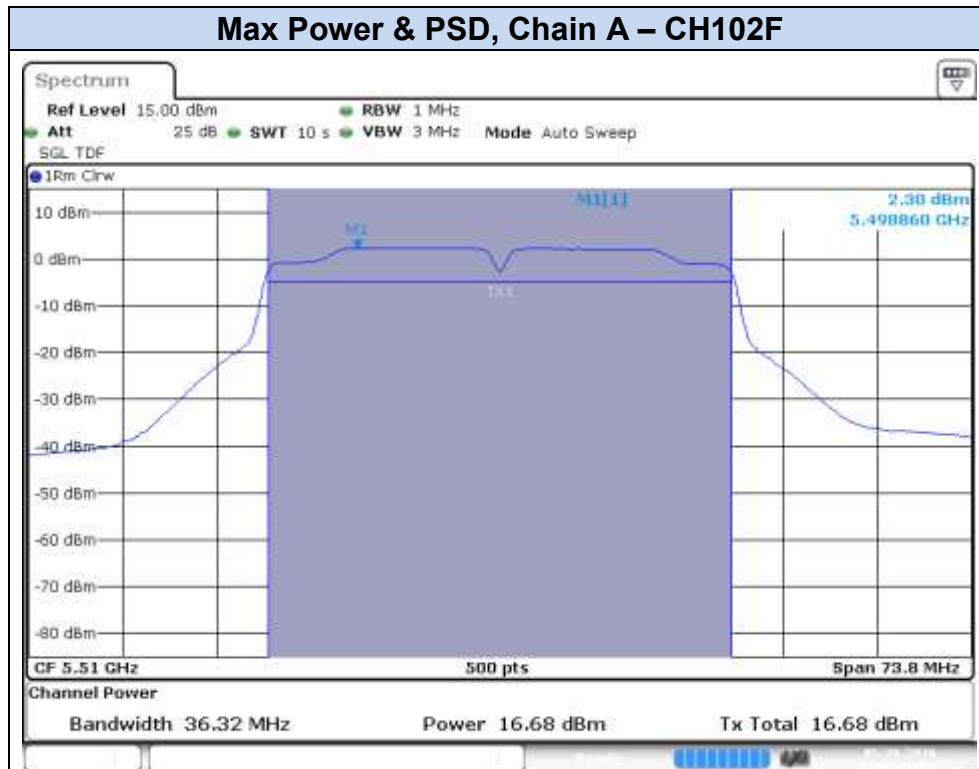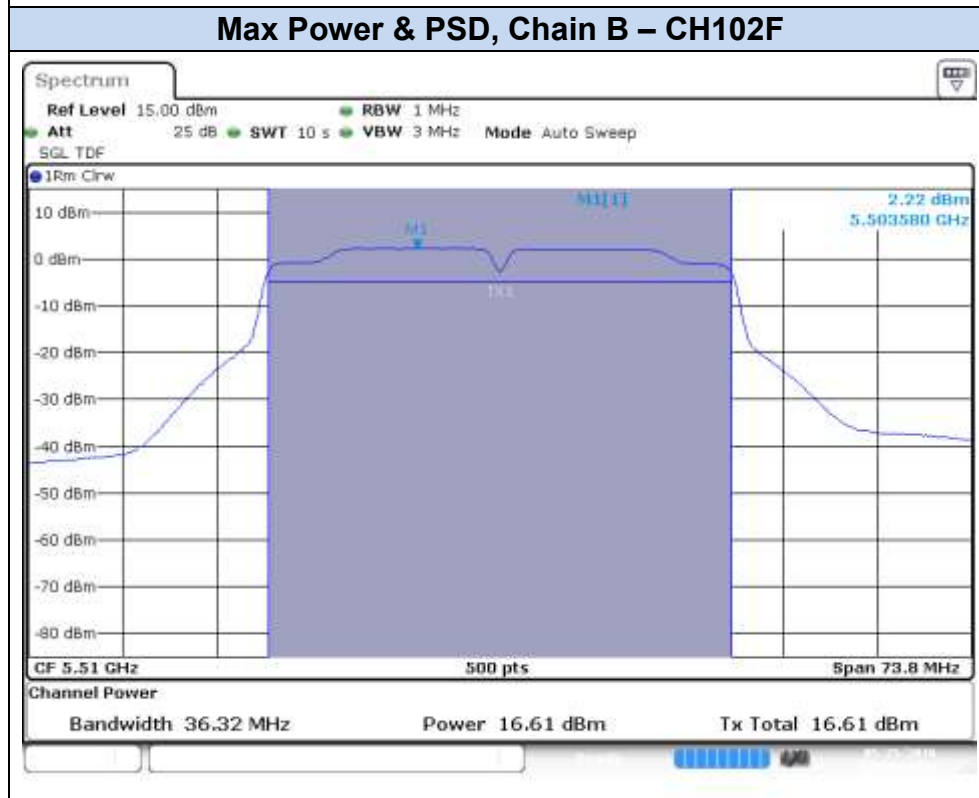

Max Power & PSD, Chain B – CH144 (Overlapped Channel)

Printed copies are not controlled documents

802.11n20, HT8 (MIMO)

Max Power & PSD, Chain A – CH100

Spectrum

Ref Level 15.00 dBm   ● RBW 1 MHz
● Att   25 dB ● SWT 10 s ● VBW 3 MHz   Mode Auto Sweep
SGL TDF
● 1Rm Clrw

M1[1]   5.30 dBm
                                                                    5.4977190 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm

CF 5.5 GHz   500 pts   Span 36.2 MHz

Channel Power

Bandwidth 17.80 MHz   Power 16.34 dBm   Tx Total 16.34 dBm

Max Power & PSD, Chain B – CH100

Spectrum

Ref Level 15.00 dBm   ● RBW 1 MHz
● Att   25 dB ● SWT 10 s ● VBW 3 MHz   Mode Auto Sweep
SGL TDF
● 1Rm Clrw

M1[1]   5.41 dBm
                                                                    5.4975020 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm

CF 5.5 GHz   500 pts   Span 36.2 MHz

Channel Power

Bandwidth 17.80 MHz   Power 16.44 dBm   Tx Total 16.44 dBm

Max Power & PSD, Chain A – CH120

Max Power & PSD, Chain B – CH120

Printed copies are not controlled documents

Max Power & PSD, Chain A – CH140

Max Power & PSD, Chain B – CH140

Max Power & PSD, Chain A – CH144 (Overlapped Channel)

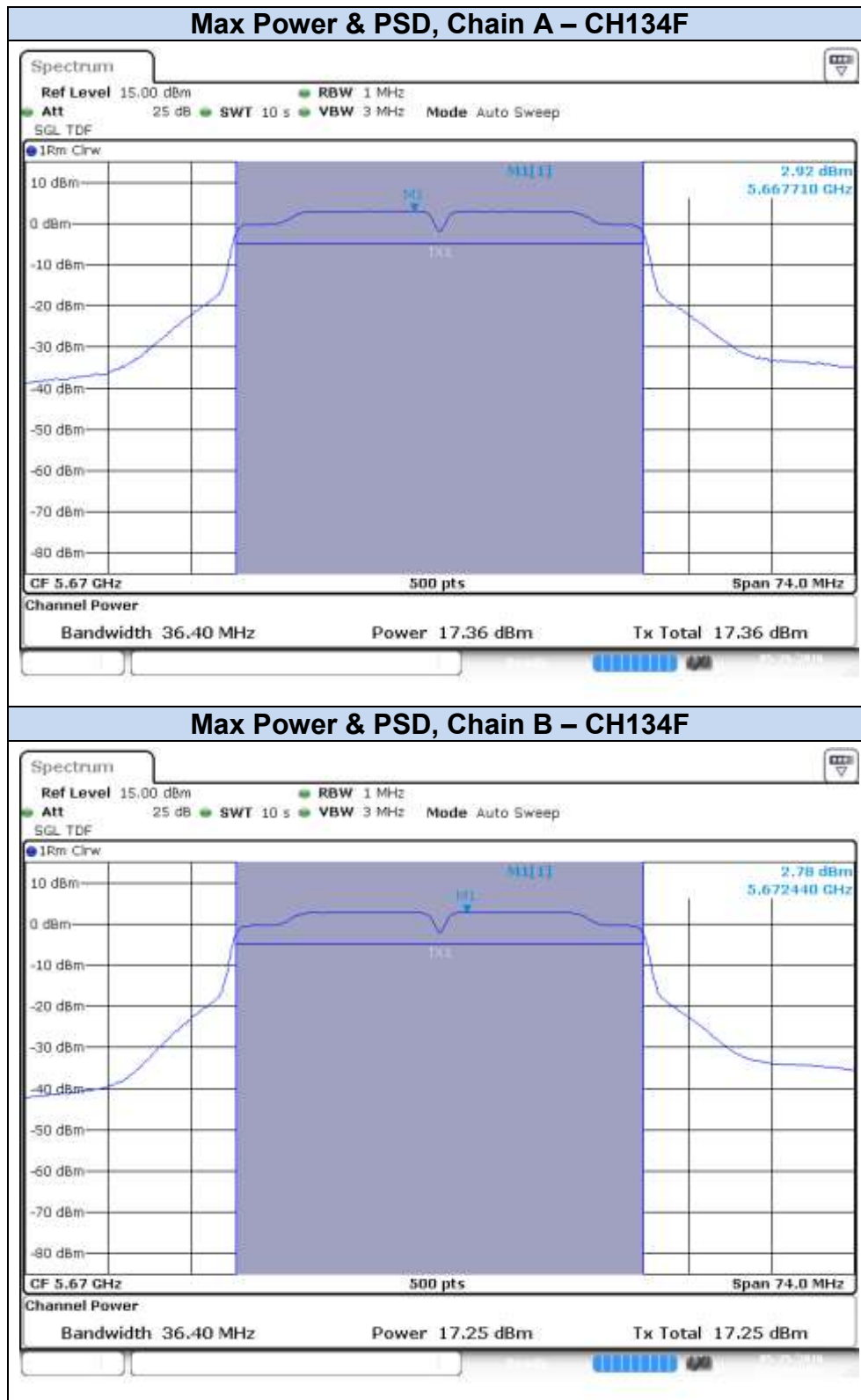## Max Power & PSD, Chain B – CH144 (Overlapped Channel)
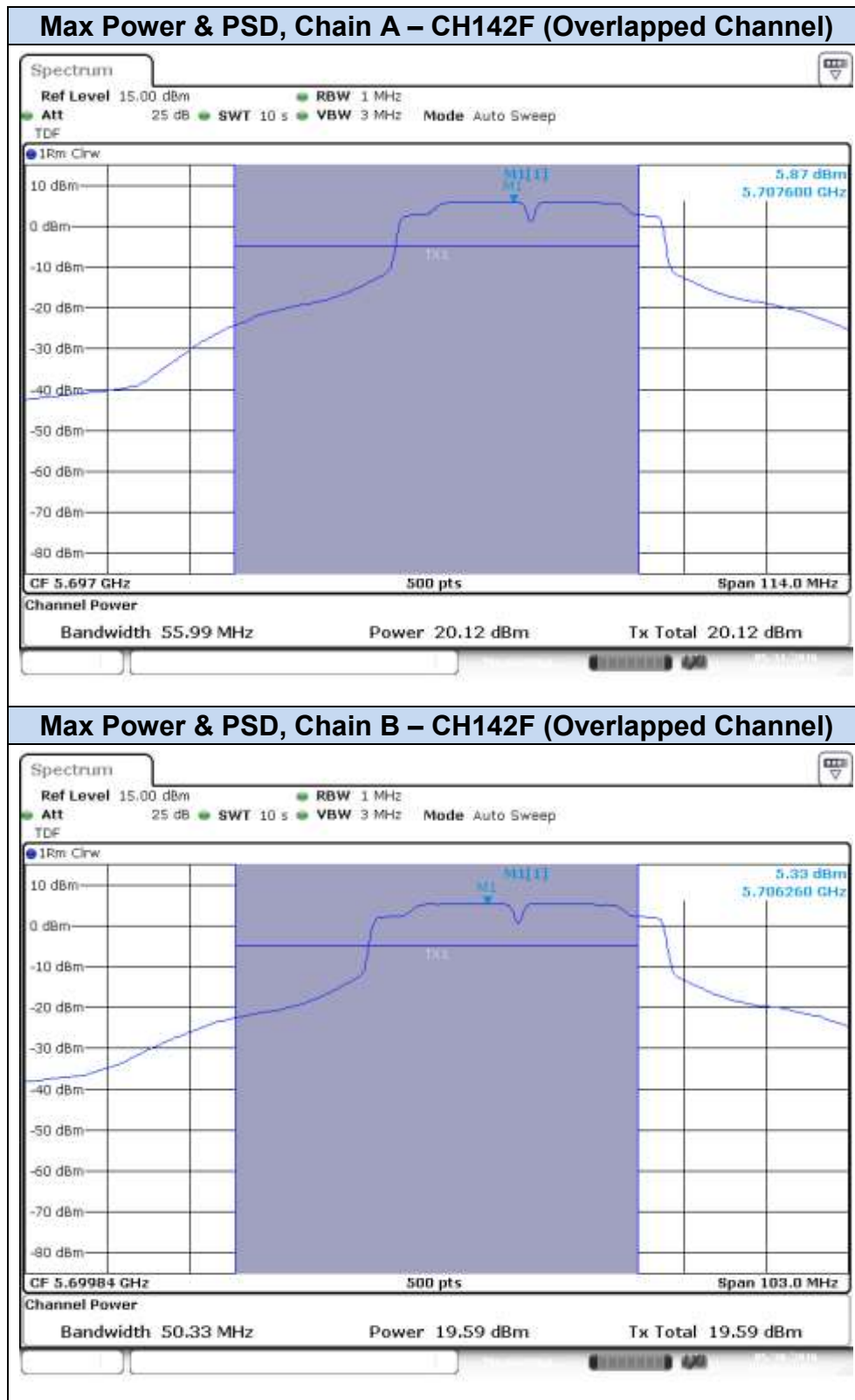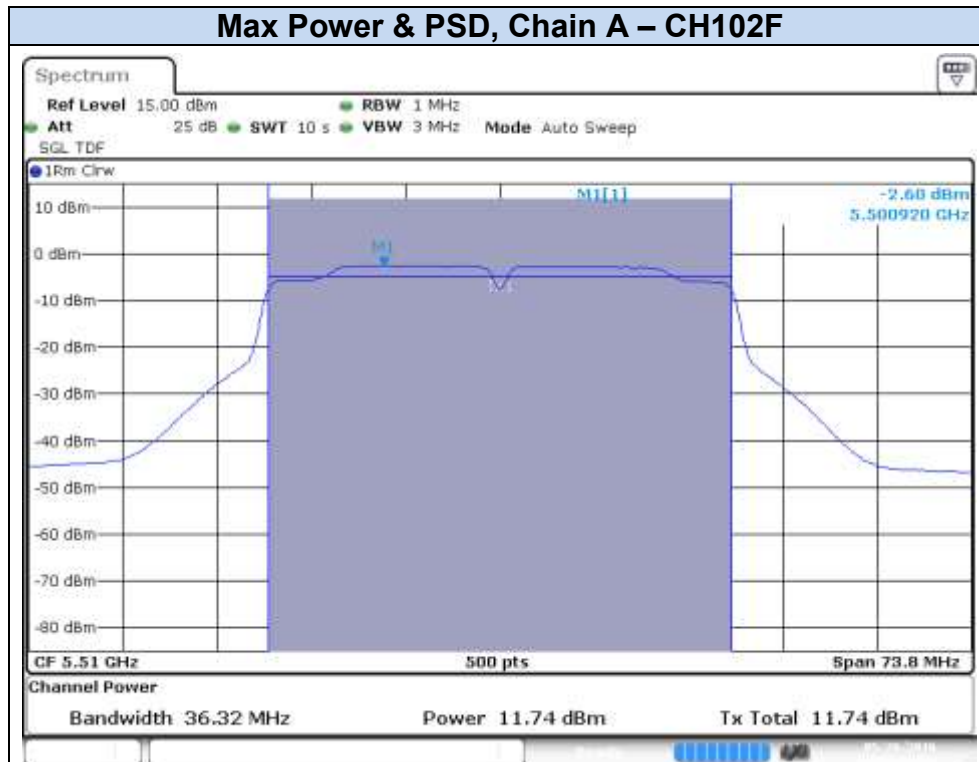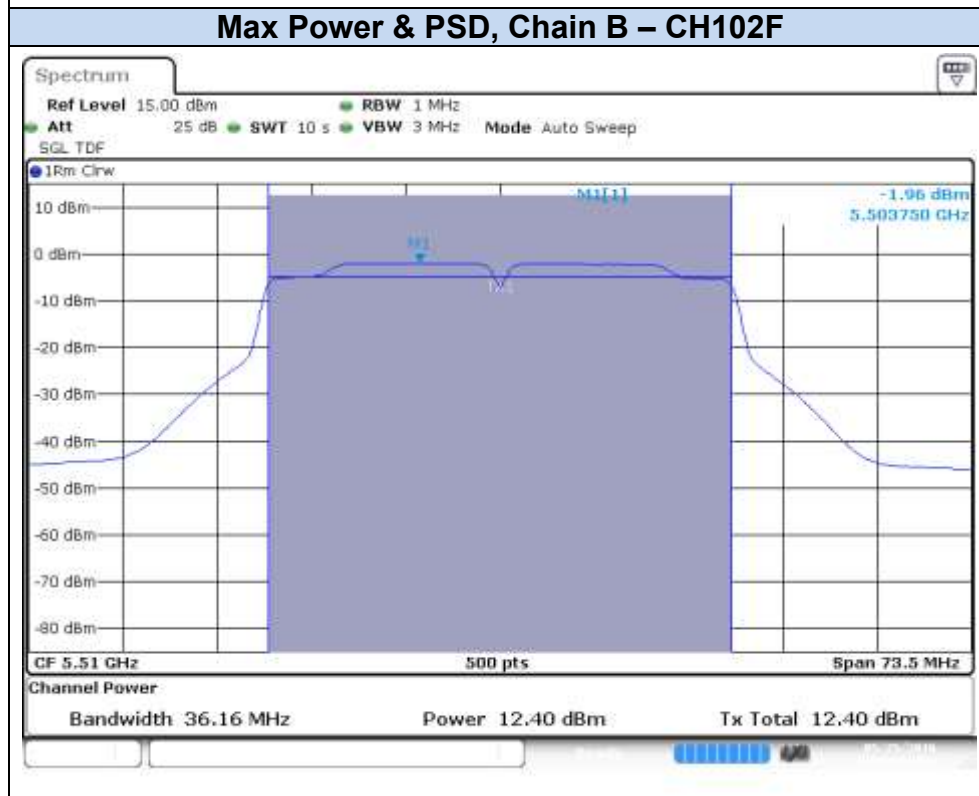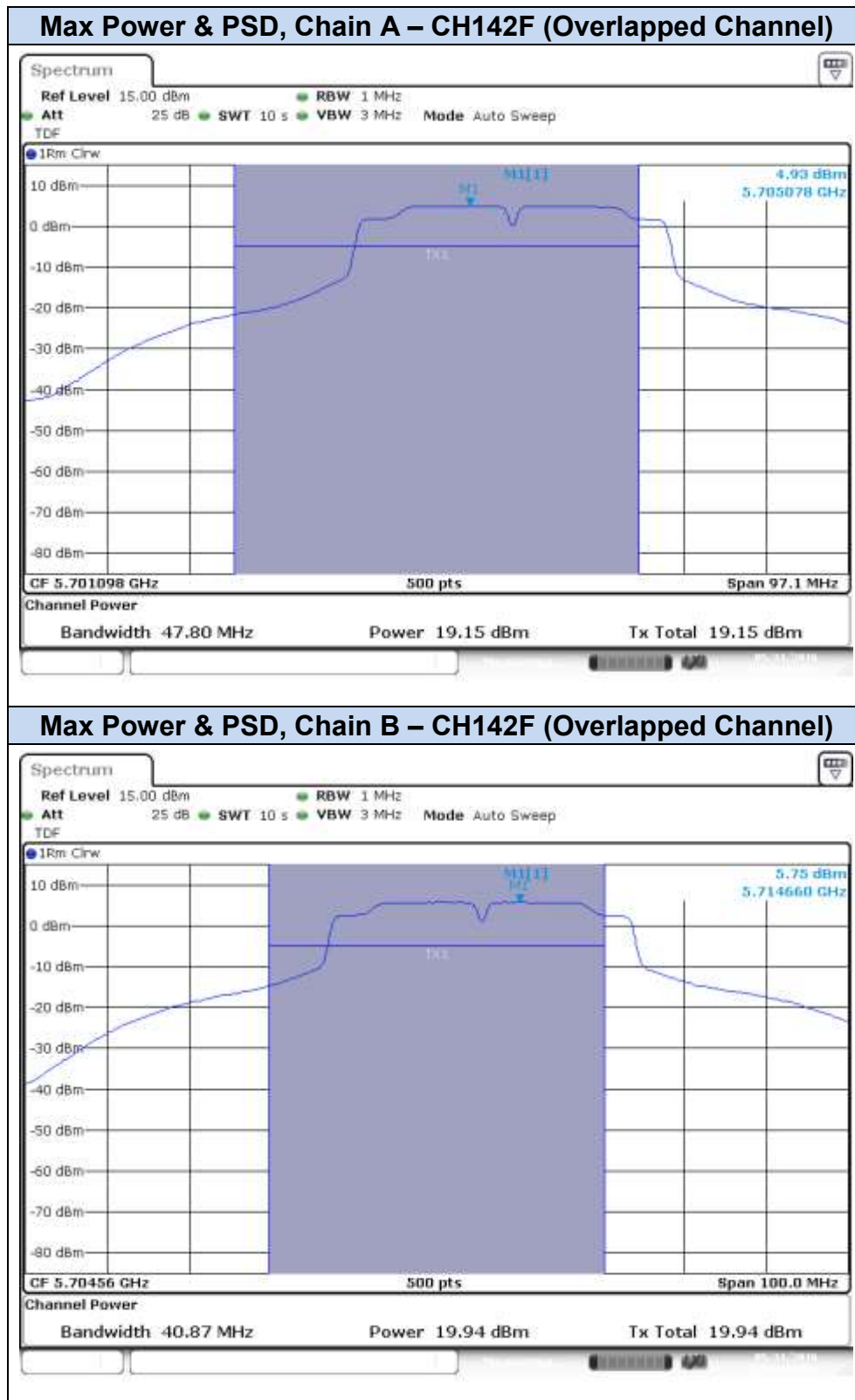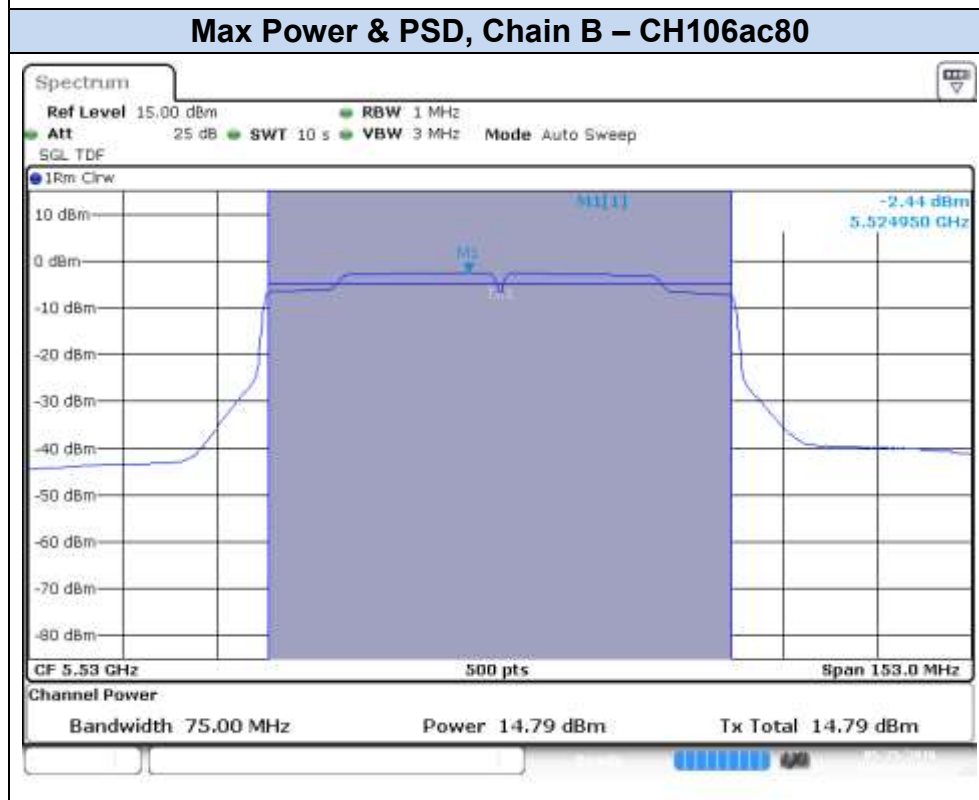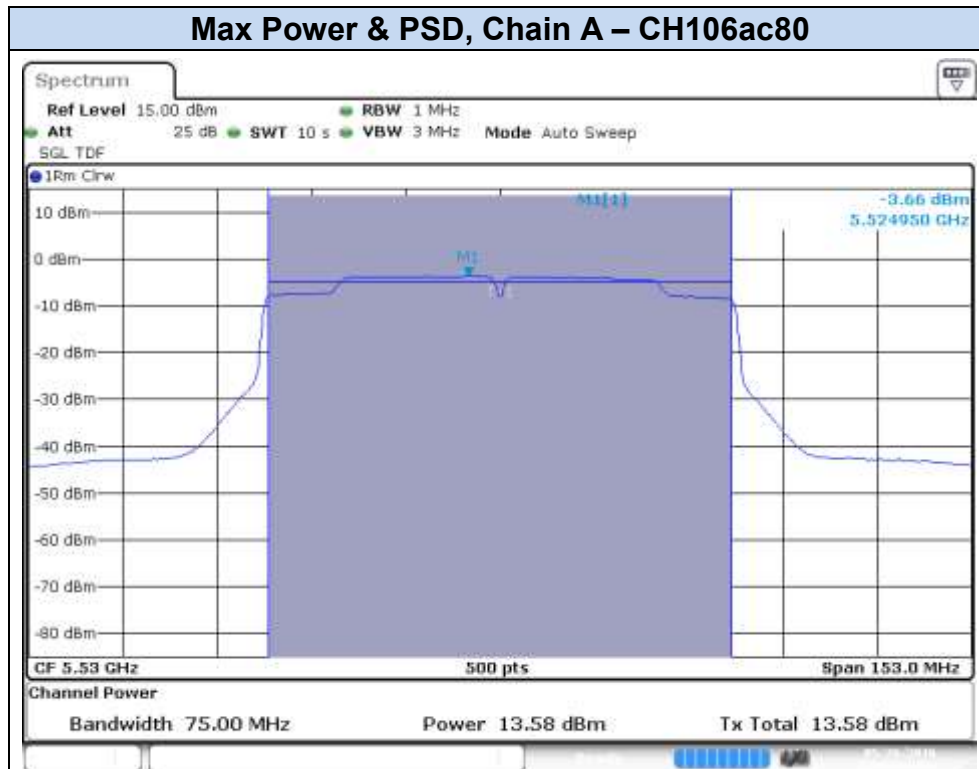
Printed copies are not controlled documents

802.11n40, HT0 (SISO)

Max Power & PSD, Chain A – CH102F

Max Power & PSD, Chain B – CH102F

Max Power & PSD, Chain A – CH118F

Max Power & PSD, Chain B – CH118F

Max Power & PSD, Chain A – CH134F

Max Power & PSD, Chain B – CH134F

Printed copies are not controlled documents

Max Power & PSD, Chain A – CH142F (Overlapped Channel)

Max Power & PSD, Chain B – CH142F (Overlapped Channel)
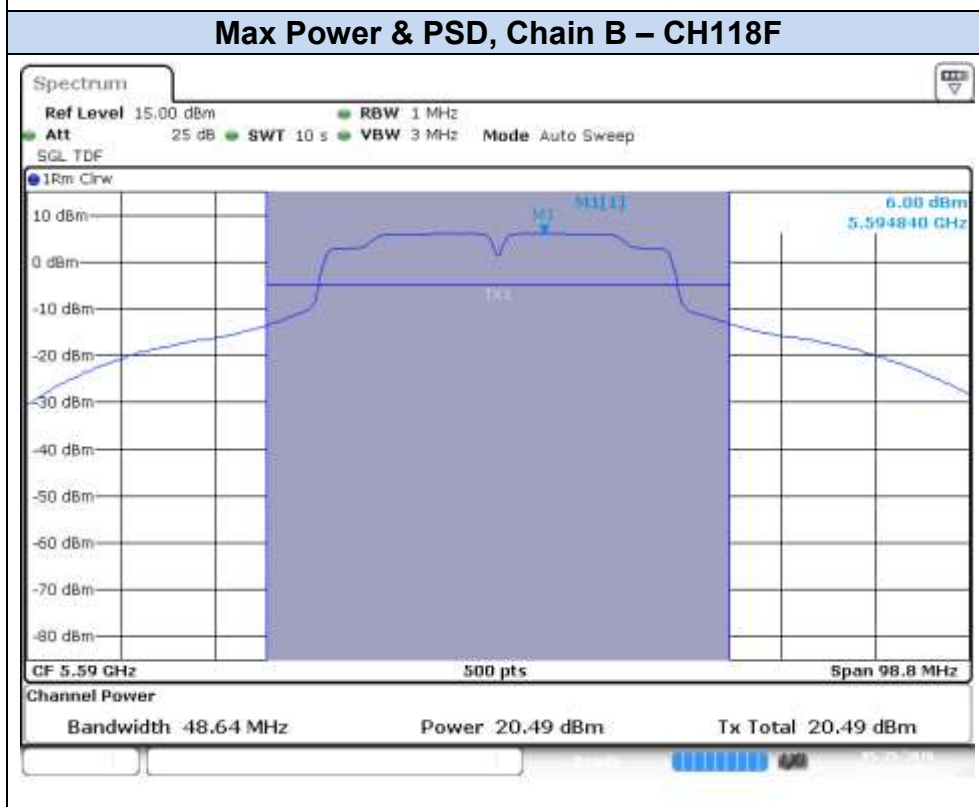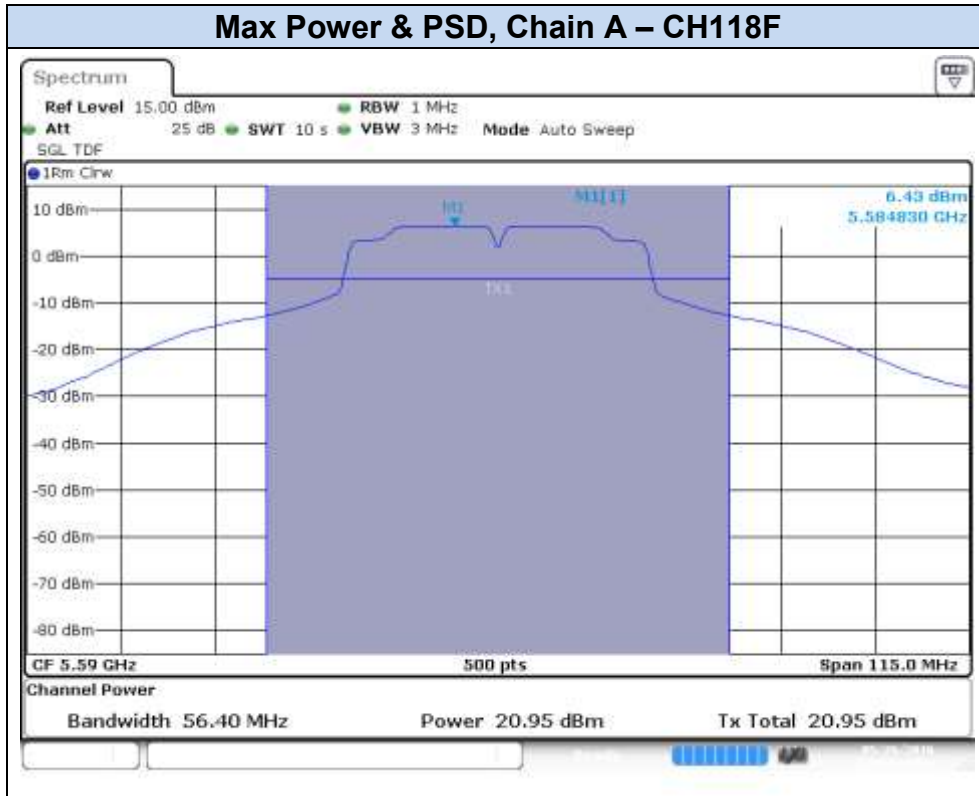
802.11n40, HT8 (MIMO)

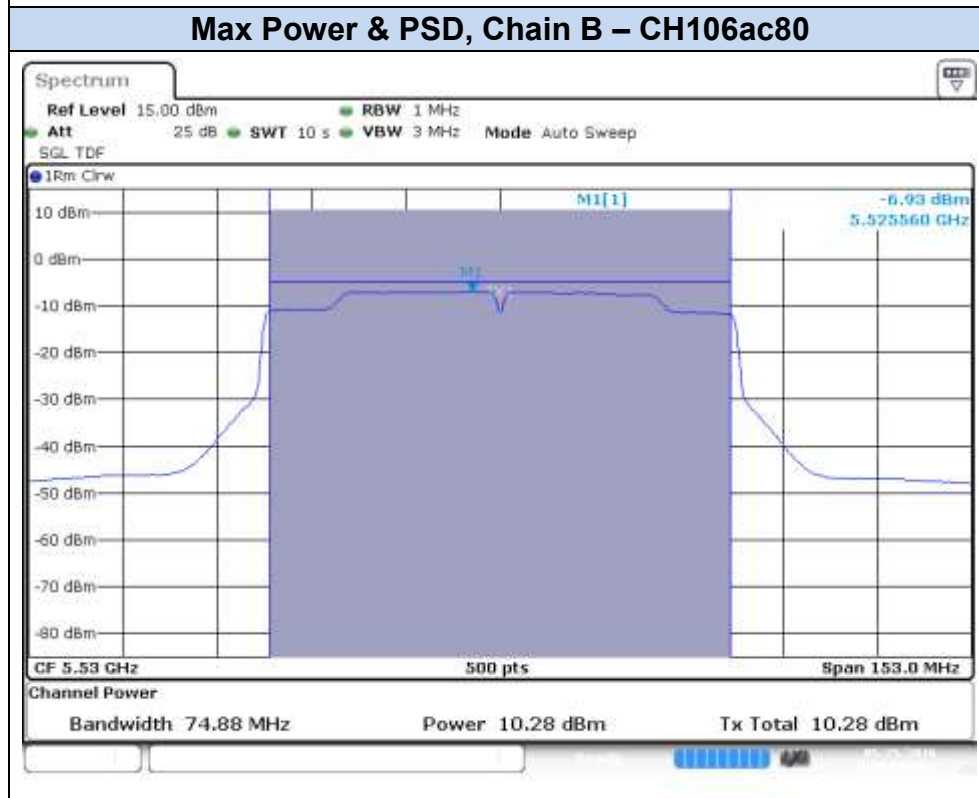## Max Power & PSD, Chain A – CH102F

Max Power & PSD, Chain B – CH102F

Printed copies are not controlled documents

Max Power & PSD, Chain A – CH118F

Max Power & PSD, Chain B – CH118F

Printed copies are not controlled documents

Max Power & PSD, Chain A – CH134F

Max Power & PSD, Chain B – CH134F

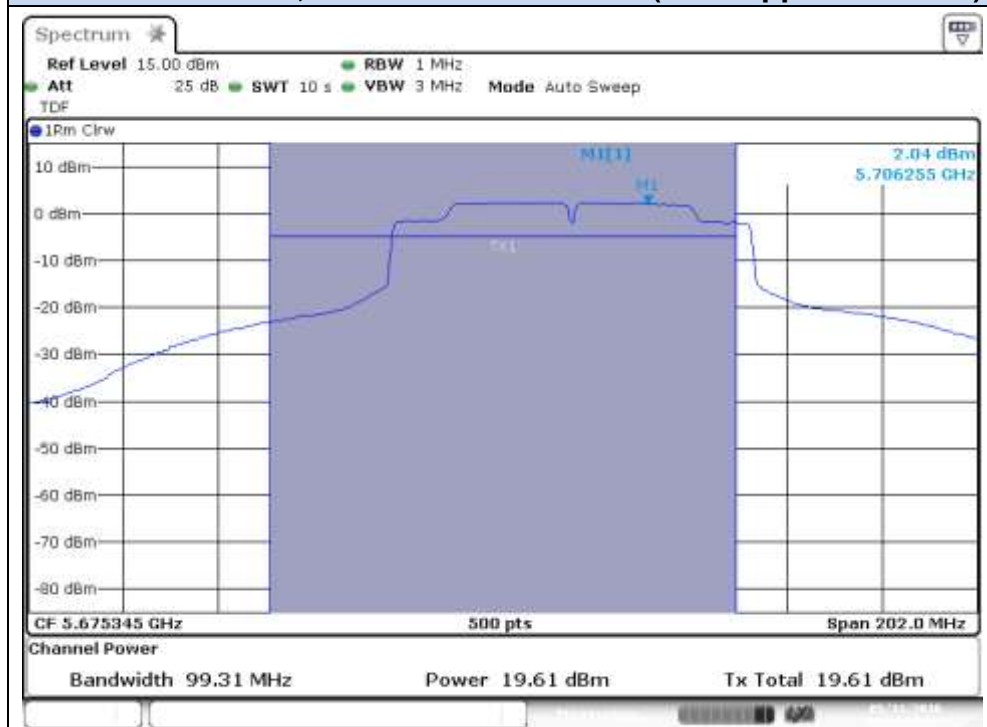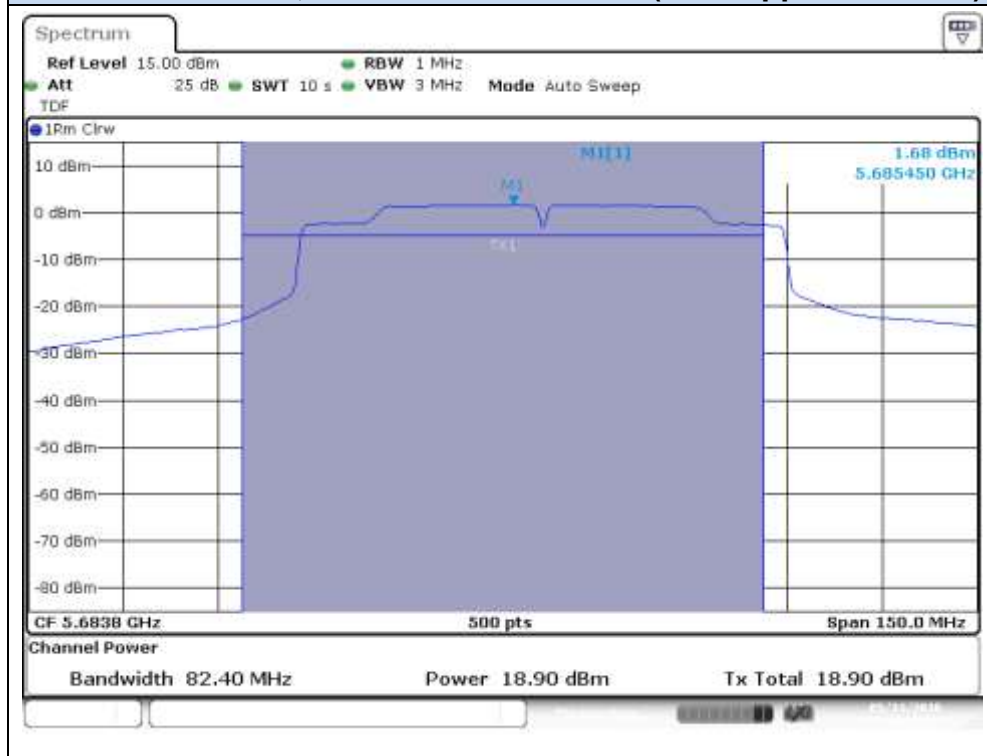## Max Power & PSD, Chain A – CH142F (Overlapped Channel)

Max Power & PSD, Chain B – CH142F (Overlapped Channel)
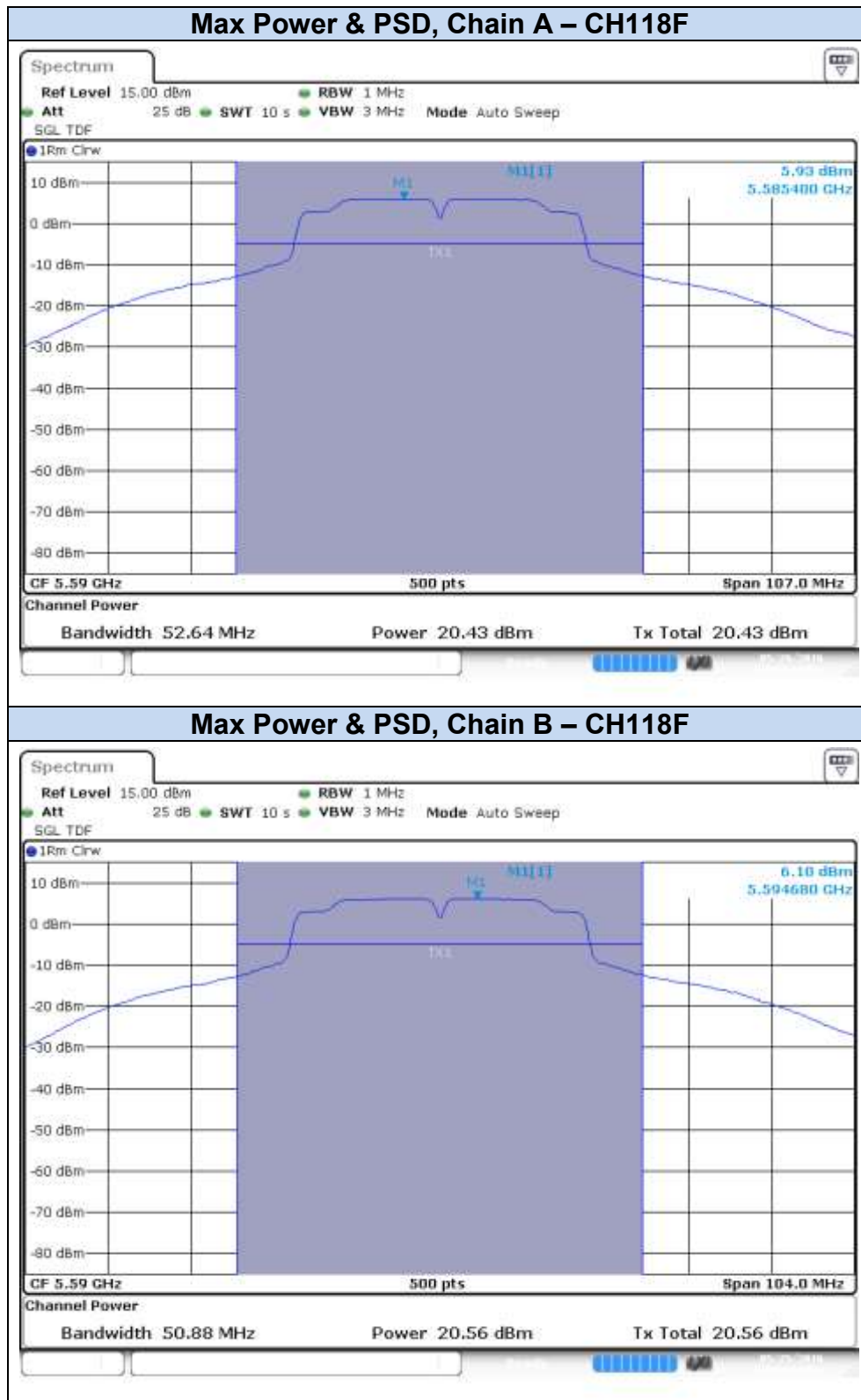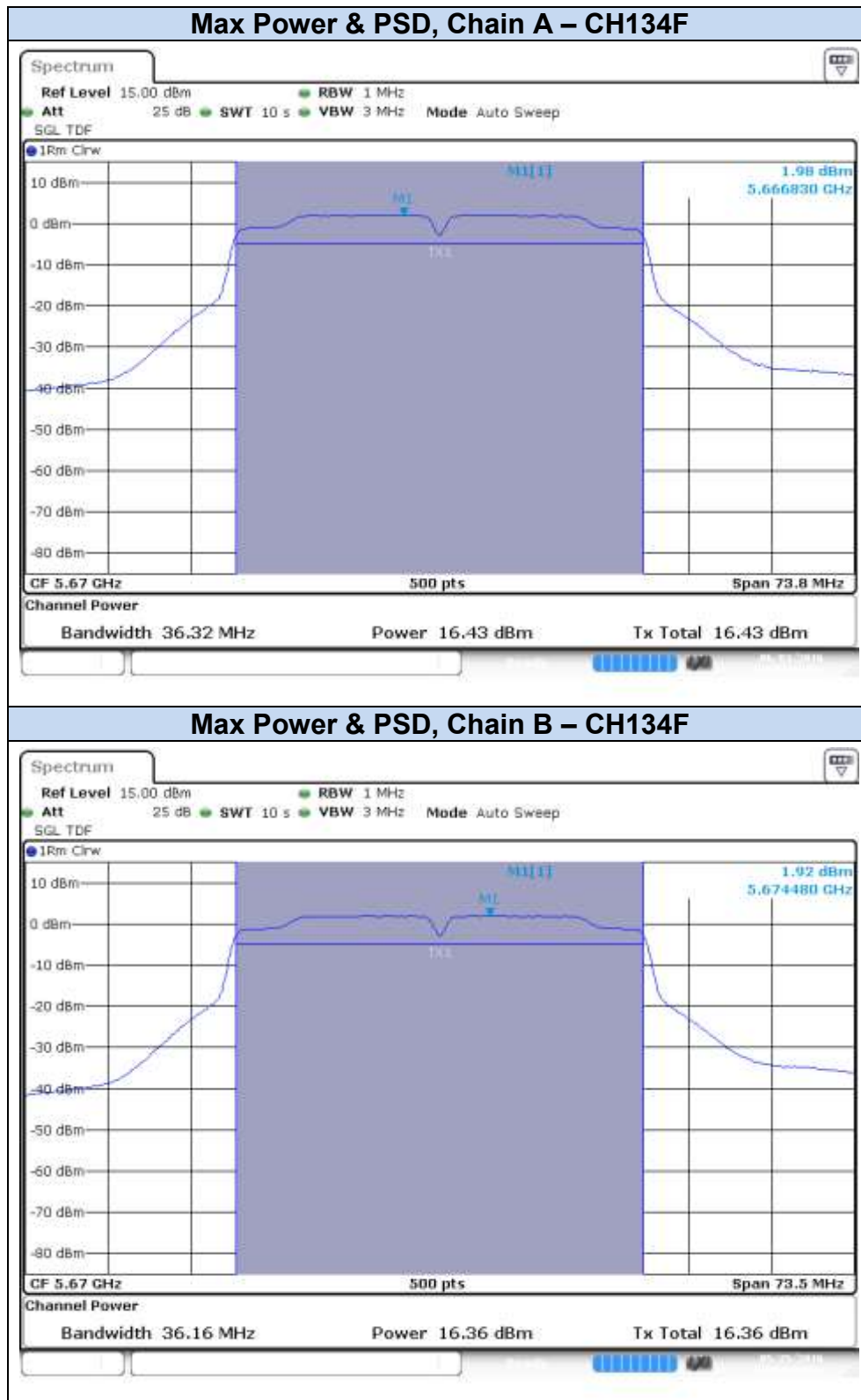
802.11ac80, VHT0 (SISO)

Max Power & PSD, Chain A – CH106ac80

Max Power & PSD, Chain B – CH106ac80

Max Power & PSD, Chain A – CH122ac80

Max Power & PSD, Chain B – CH122ac80

Max Power & PSD, Chain A – CH138ac80 (Overlapped Channel)

Spectrum ✳		
Ref Level 15.00 dBm	RBW 1 MHz	
Att 25 dB SWT 10 s VBW 3 MHz Mode Auto Sweep		
TDF		
1Rm Clrw		

M1[1] 2.54 dBm 5.685330 GHz

CF 5.68124 GHz   500 pts   Span 178.0 MHz

Channel Power

Bandwidth 87.53 MHz   Power 19.81 dBm   Tx Total 19.81 dBm

Max Power & PSD, Chain B – CH138ac80 (Overlapped Channel)

Spectrum		
Ref Level 15.00 dBm	RBW 1 MHz	
Att 25 dB SWT 10 s VBW 3 MHz Mode Auto Sweep		
TDF		
1Rm Clrw		

M1[1] 2.23 dBm 5.684890 GHz

CF 5.68228 GHz   500 pts   Span 174.0 MHz

Channel Power

Bandwidth 85.44 MHz   Power 19.47 dBm   Tx Total 19.47 dBm

802.11ac80, VHT0 (MIMO)

Max Power & PSD, Chain A – CH106ac80

Max Power & PSD, Chain B – CH106ac80

Printed copies are not controlled documents

Max Power & PSD, Chain A – CH122ac80

Max Power & PSD, Chain B – CH122ac80

Max Power & PSD, Chain A – CH138ac80 (Overlapped Channel)

Spectrum

Ref Level 15.00 dBm   ● RBW 1 MHz
● Att   25 dB ● SWT 10 s ● VBW 3 MHz   Mode Auto Sweep
TDF
● 1Rm Clrw

                                                        M1[1]   2.04 dBm
                                                                                5.706255 GHz
10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

-80 dBm

CF 5.675345 GHz   500 pts   Span 202.0 MHz
Channel Power
        Bandwidth 99.31 MHz   Power 19.61 dBm   Tx Total 19.61 dBm

Max Power & PSD, Chain B – CH138ac80 (Overlapped Channel)

Spectrum

Ref Level 15.00 dBm   ● RBW 1 MHz
● Att   25 dB ● SWT 10 s ● VBW 3 MHz   Mode Auto Sweep
TDF
● 1Rm Clrw

                                                        M1[1]   1.68 dBm
                                                                                5.685450 GHz
10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

-80 dBm

CF 5.6838 GHz   500 pts   Span 150.0 MHz
Channel Power
        Bandwidth 82.40 MHz   Power 18.90 dBm   Tx Total 18.90 dBm

B.3   Undesirable emissions limits: Band Edge (conducted)

Test limits:

FCC part	RSS part	Limits
15.407 (b) (3)	RSS-247 Clause 6.2.2 (2)	For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
15.209	RSS-GEN, Clause 8.9	Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):

Freq Range (MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Meas. Distance (m)
0.009-0.490	2400/f(kHz)	-	300
0.490-1.705	24000/f(kHz)	-	300
1.705-30.0	30	-	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
960-25000	500	54	3

The emission limits shown in the table above 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 specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.

Test procedure:

The setup below was used to measure undesirable emissions on the Band Edge domain. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared Antenna Gain.

For Band Edge measurements in average mode on the low frequency section, the Video Bandwidth Method was used according to section G) 6) (KDB 789033 D02), with the following parameters:
- When the duty cycle is > 98 %, VBW = 10Hz
- When the duty cycle is < 98 %, VBW > 1/T, where T is defined in section II.B.1.a

For the BE High, we use the integration method as defined in the band edge measurements section (paragraph II.G.3.d) of KDB 789033 D02.

In case of Band Edge measurements falling in restricted bands, the declared Antenna Gain is also compensated in the graph.

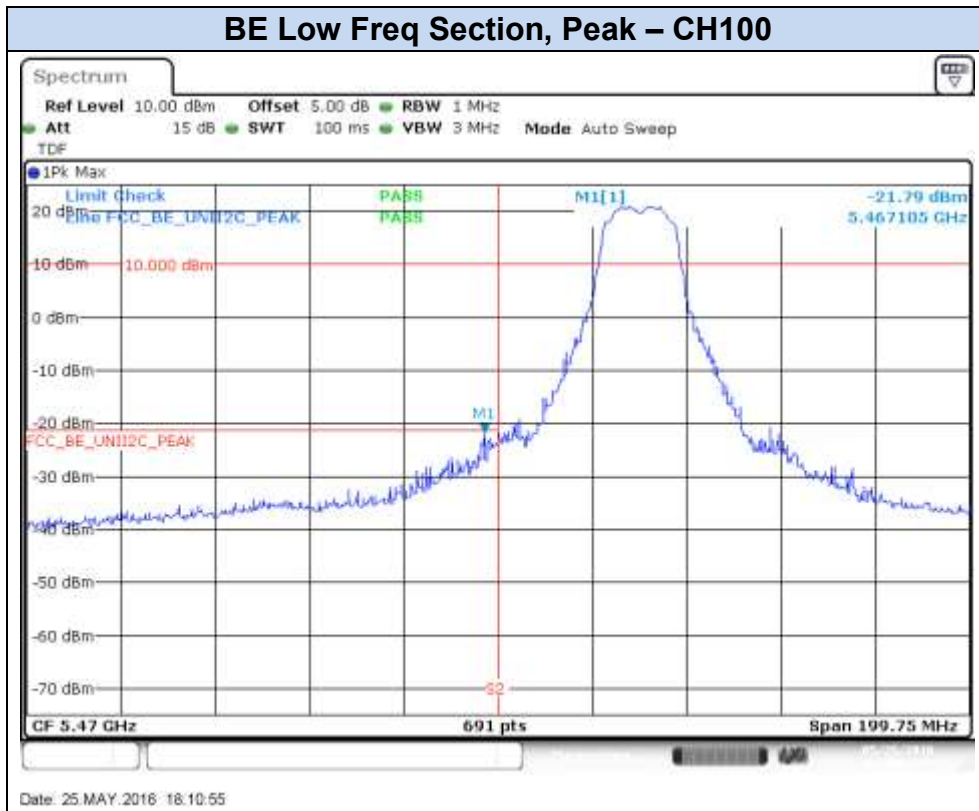The declared maximum antenna gain is 5dBi.
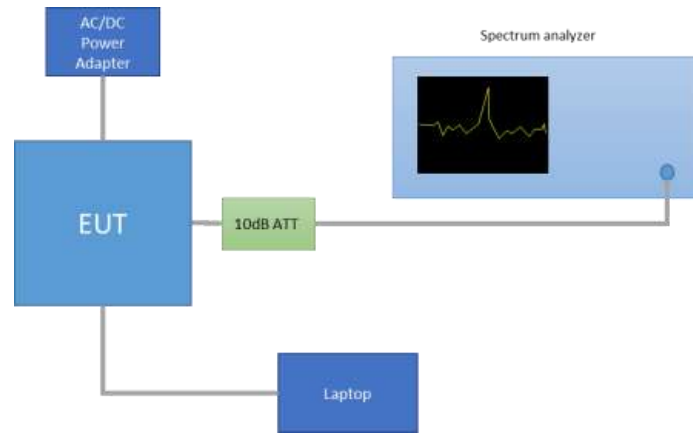
The following limits in dBm were applied for the average detector after the conversion from the limits detailed above in dBµV/m, according to FCC 47 CFR part 15 - Subpart C – §15.209(a). The limits in dBm for peak detector are 20dB above the indicated values in the table.
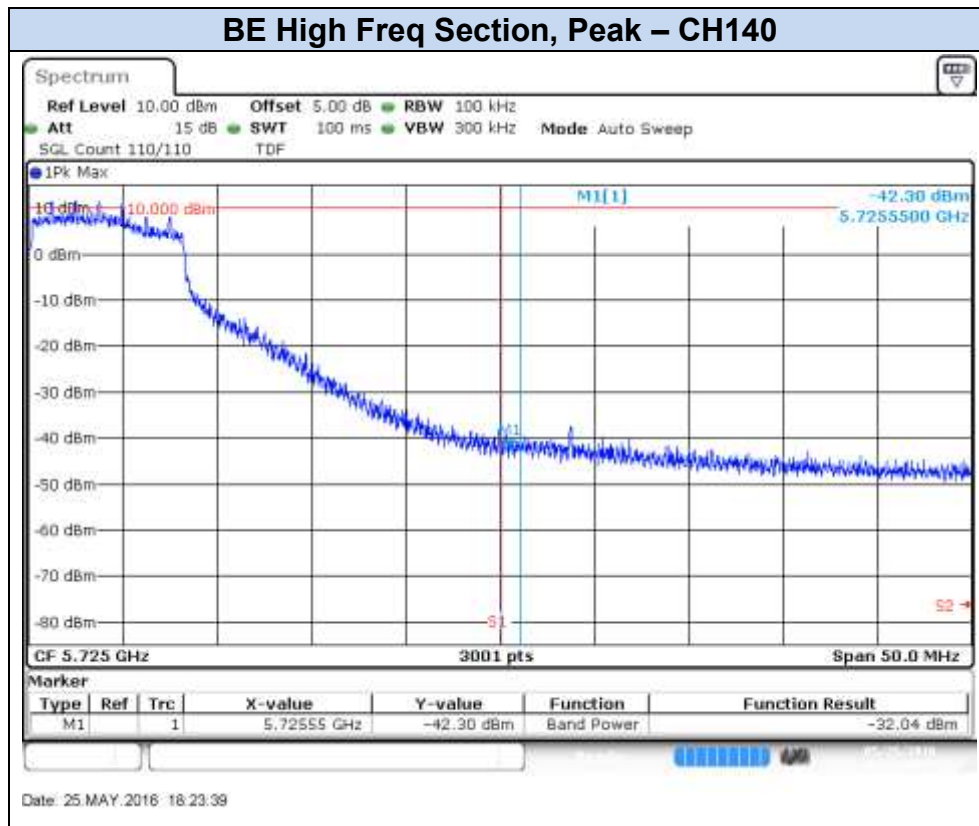
§15.209(a)			Converted values	
Freq Range (MHz)	Distance (m)	Field strength (microvolts/meter)	Field strength (dB microvolts/meter)	Power (dBm)
960-25000	3	500	53.98	-41.2

Results Screenshot:

802.11a, 6Mbps – Chain A

BE Low Freq Section, Peak – CH100

Date: 25.MAY.2016 18:10:55

BE Low Freq Section, RMS – CH100

Date: 25.MAY.2016 18:10:30

BE High Freq Section, Peak – CH140

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.72555 GHz	−42.30 dBm	Band Power	−32.04 dBm

Date: 25.MAY.2016 18:23:39

802.11a, 6Mbps – Chain B

BE Low Freq Section, Peak – CH100

Date: 25.MAY.2016 10:51:19

BE Low Freq Section, RMS – CH100

Date: 25.MAY.2016 10:42:17

BE High Freq Section, Peak – CH140

802.11n20, HT0 (SISO) – Chain A

BE Low Freq Section, Peak – CH100

Date: 26.MAY.2016 11:00:38

BE Low Freq Section, RMS – CH100

Date: 26.MAY.2016 11:01:30

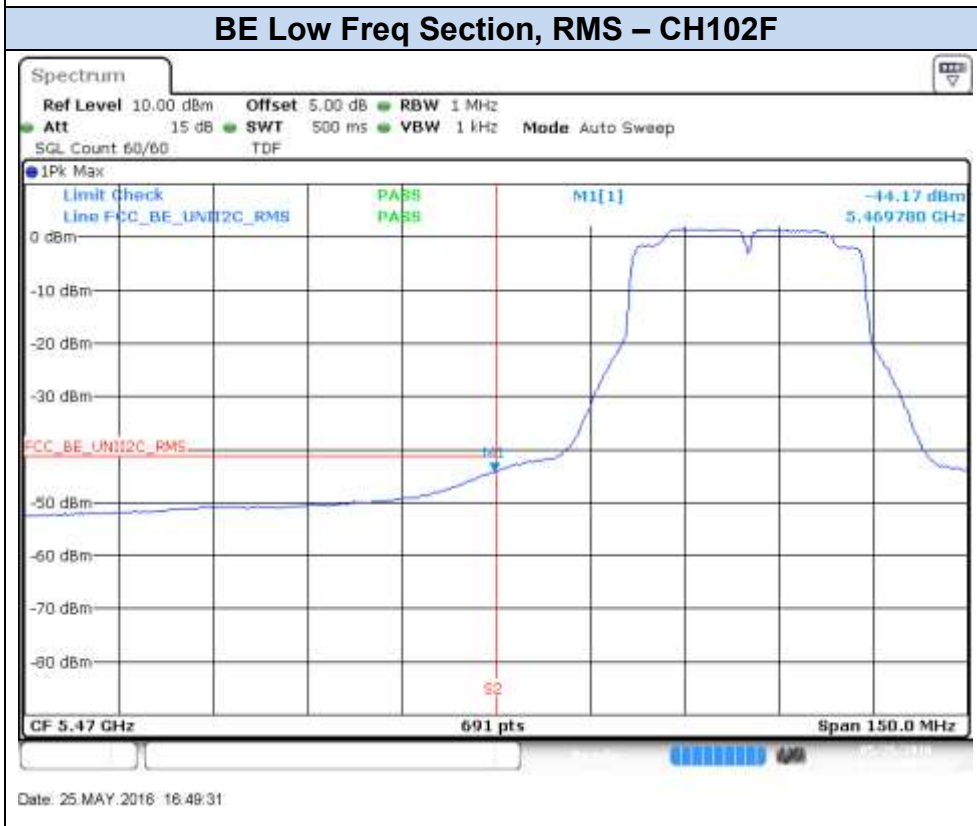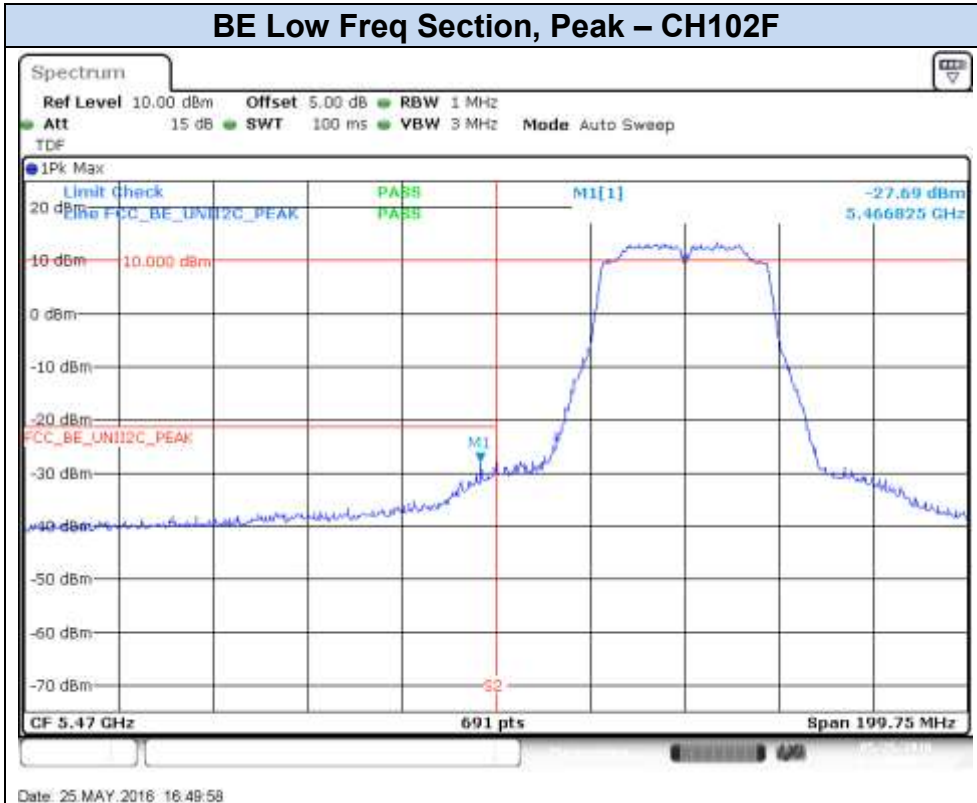## BE High Freq Section, Peak – CH140

Spectrum

Ref Level 10.00 dBm　　Offset 5.00 dB ● RBW 100 kHz
● Att　　　15 dB ● SWT　100 ms ● VBW 300 kHz　Mode Auto Sweep
SGL Count 110/110　　TDF

● 1Pk Max

10 dBm　　10.000 dBm　　　　　　　　　　M1[1]　　　　　　　-42.03 dBm
0 dBm　　　　　　　　　　　　　　　　　　　　　　　5.7255498 GHz
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm　　　　　　　　　　　　S1　　　　　　　　　　　　　　　　S2 →

CF 5.725 GHz　　　　　　　　3001 pts　　　　　　　　Span 50.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7255498 GHz	-42.03 dBm	Band Power	-31.88 dBm

Date: 26.MAY.2016　11:10:00

802.11n20, HT0 (SISO) – Chain B

BE Low Freq Section, Peak – CH100

Date: 25.MAY.2016 11:48:19

BE High Freq Section, RMS – CH100

Date: 25.MAY.2016 11:47:33
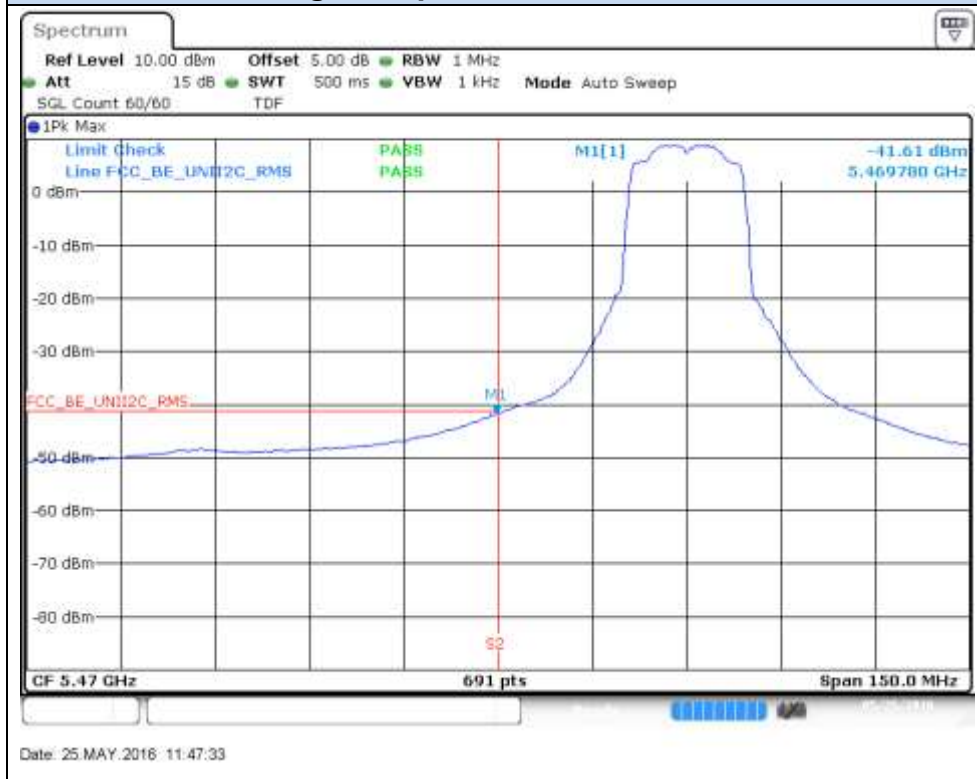
BE High Freq Section, Peak – CH140
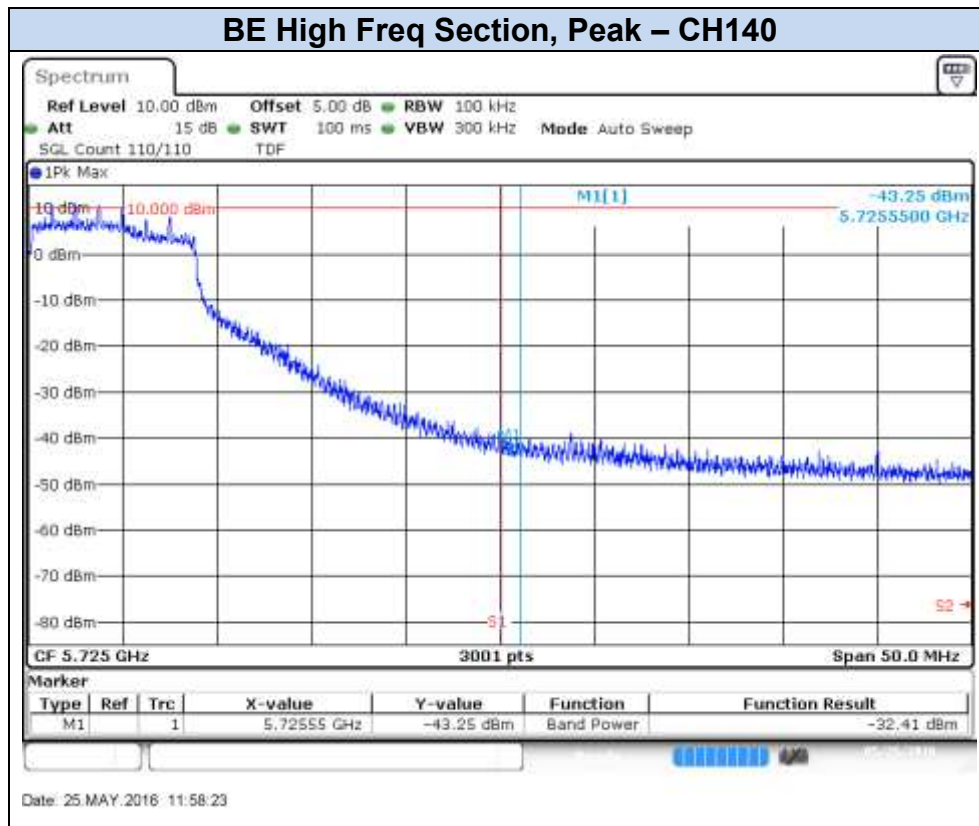
802.11n20, HT8 (MIMO) – Chain A

BE Low Freq Section, Peak – CH100
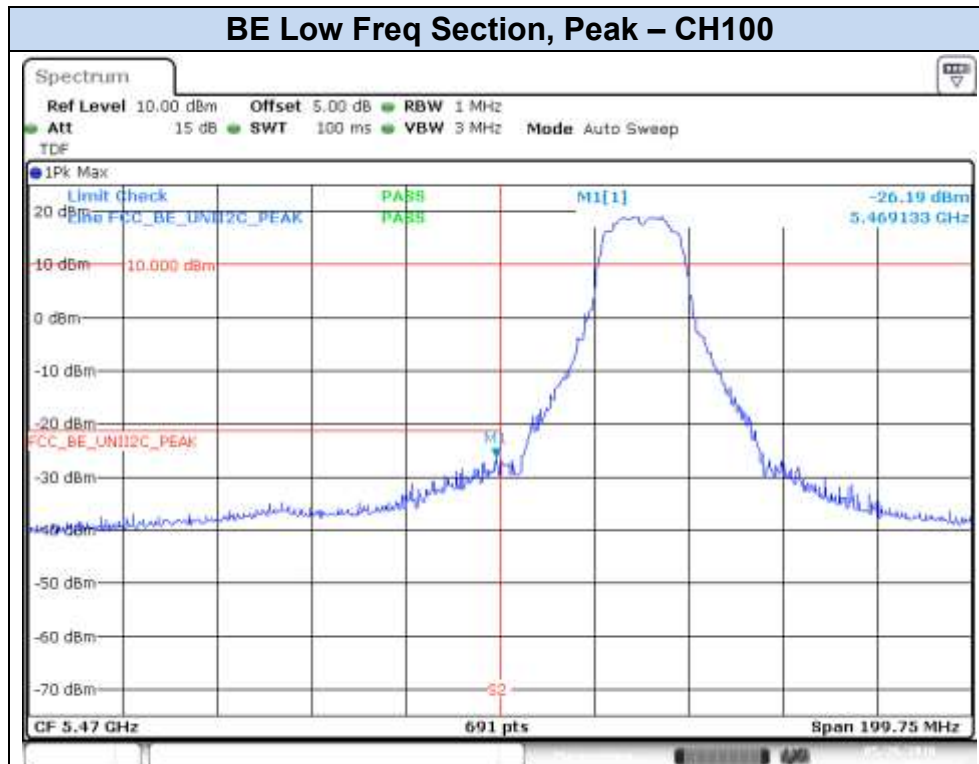
Date: 26.MAY.2016 15:07:47

BE Low Freq Section, RMS – CH100

Date: 26.MAY.2016 15:07:26

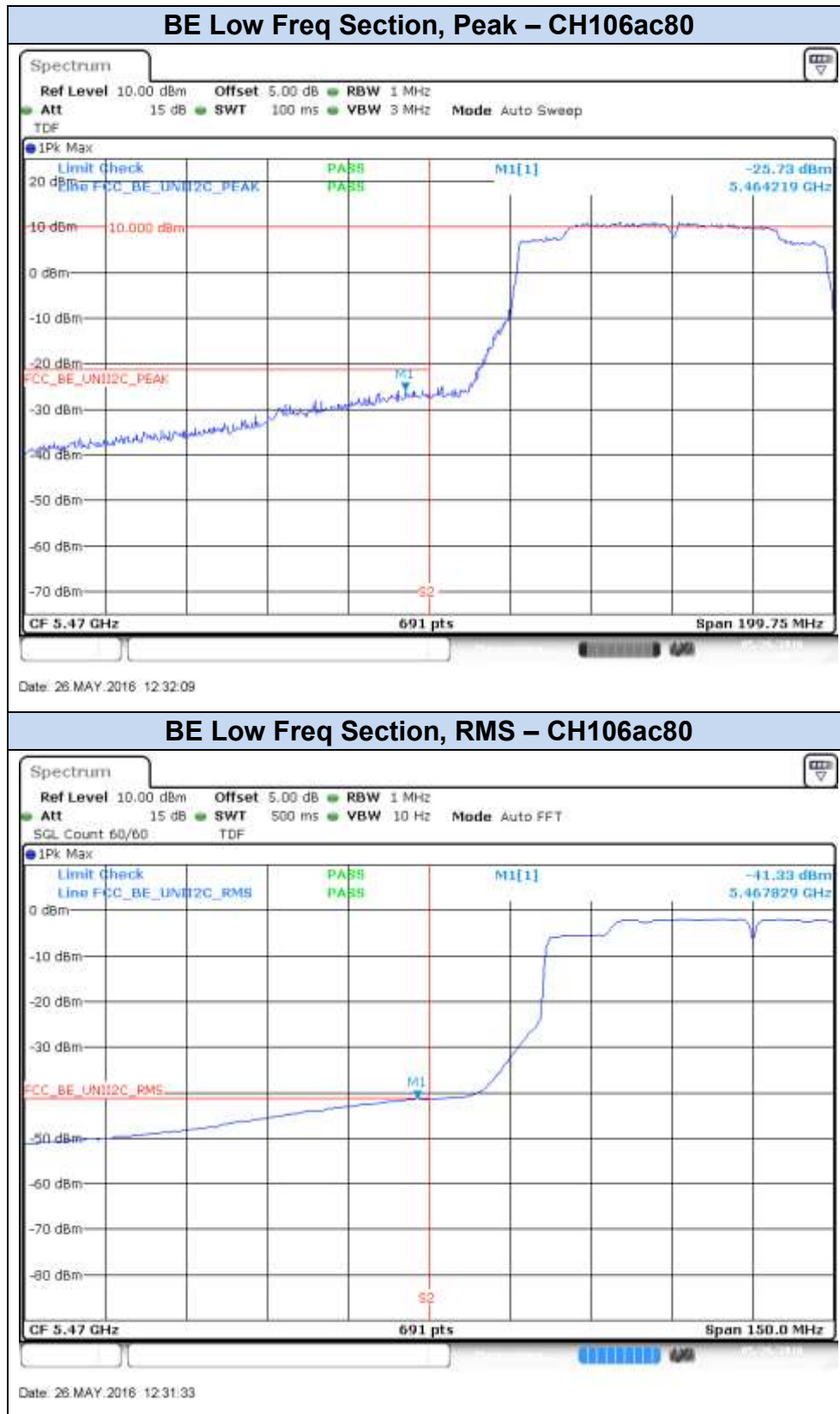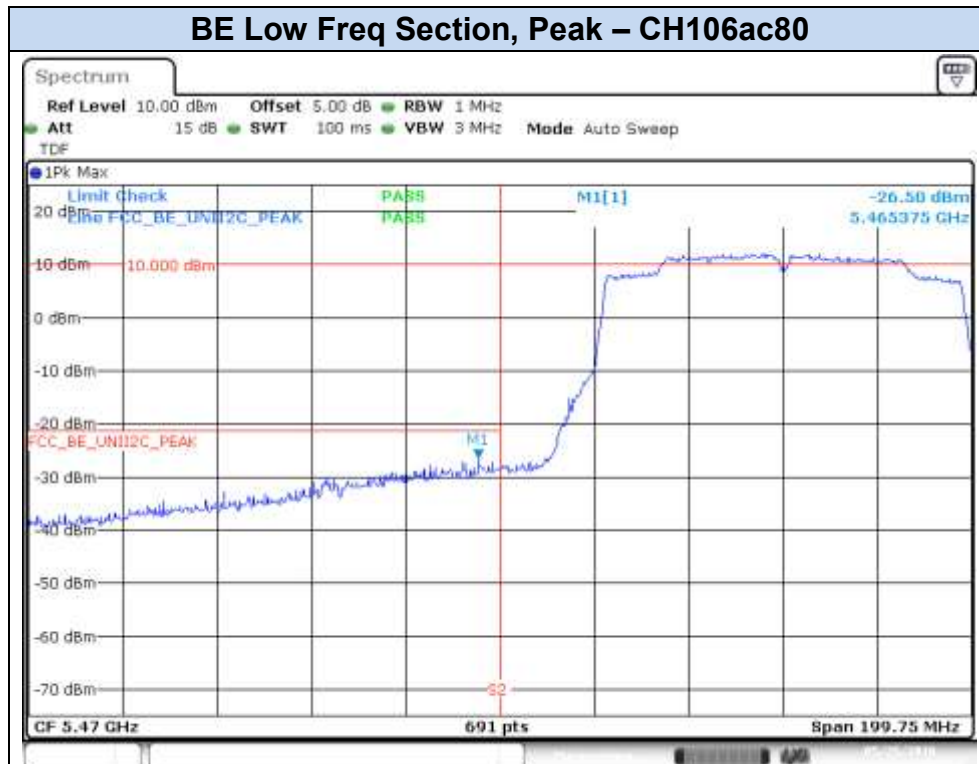## BE High Freq Section, Peak – CH140

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7255498 GHz	−45.58 dBm	Band Power	−34.92 dBm

Date: 26.MAY.2016 15:21:47
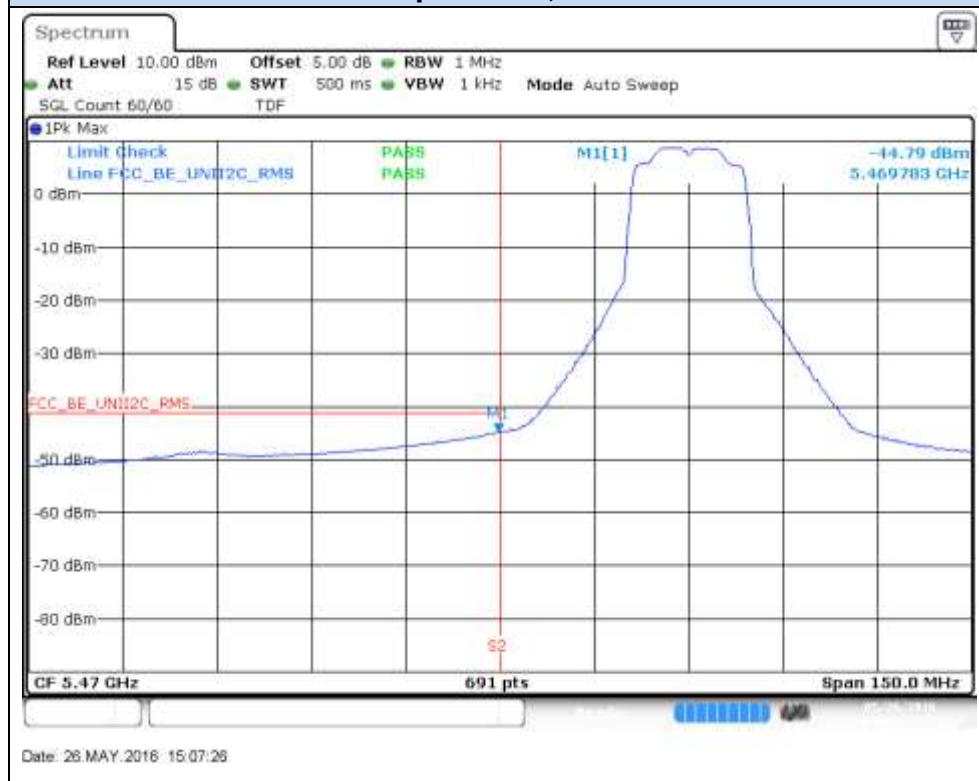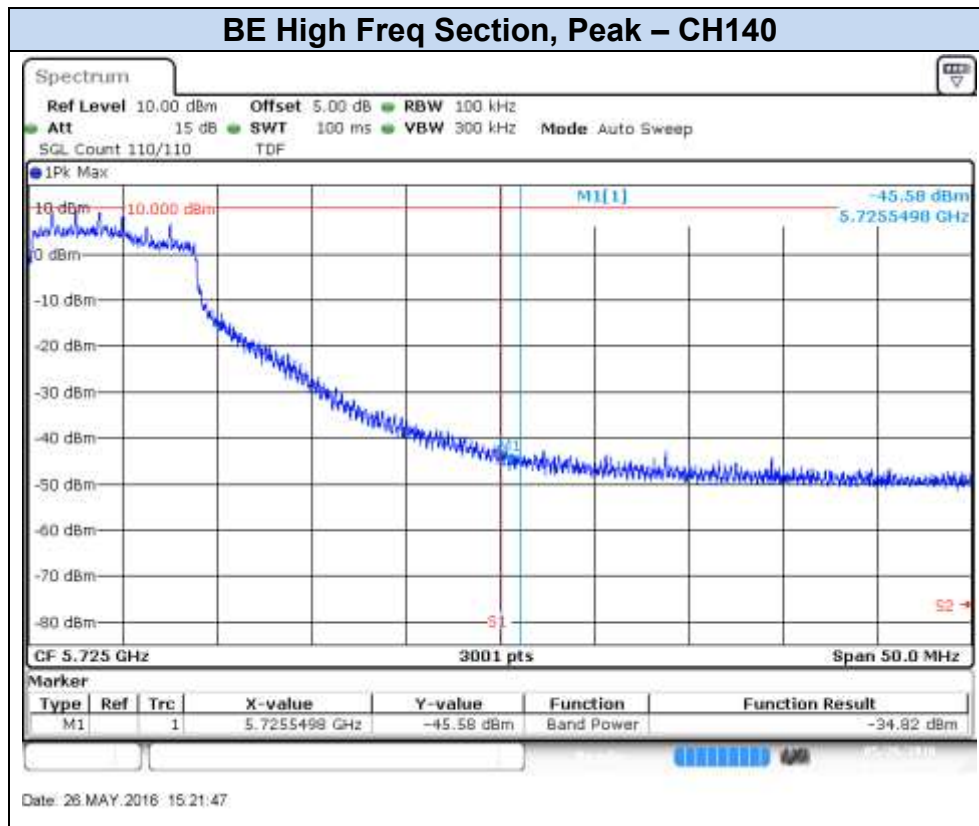
802.11n20, HT8 (MIMO) – Chain B

BE Low Freq Section, Peak – CH100

Date: 25.MAY.2016 15:36:17

BE Low Freq Section, RMS – CH100

Date: 25.MAY.2016 15:35:21

BE High Freq Section, Peak – CH140

Date: 8.JUN.2016 12:02:11

802.11n40, HT0 (SISO) – Chain A

BE Low Freq Section, Peak – CH102F

Date: 26.MAY.2016 11:59:58

BE Low Freq Section, RMS – CH102F

Date: 26.MAY.2016 11:59:22

BE High Freq Section, Peak – CH134F

Spectrum

Ref Level 10.00 dBm   Offset 5.00 dB ● RBW 100 kHz
Att   15 dB ● SWT 100 ms ● VBW 300 kHz   Mode Auto Sweep
SGL Count 110/110   TDF

●1Pk Max

M1[1]   -36.18 dBm
                         5.7274990 GHz

CF 5.725 GHz   3001 pts   Span 50.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.727499 GHz	-36.18 dBm	Band Power	-32.29 dBm

Date: 8 JUN.2016 12:08:03

802.11n40, HT0 (SISO) – Chain B

BE Low Freq Section, Peak – CH102F

Date: 25.MAY.2016 12:17:12

BE Low Freq Section, RMS – CH102F

Date: 25.MAY.2016 12:16:29

BE High Freq Section, Peak – CH134F

Date: 8.JUN.2016 12:09:50

802.11n40, HT8 (MIMO) – Chain A

BE Low Freq Section, Peak – CH102F

Date: 26.MAY.2016 16:03:28

BE Low Freq Section, RMS – CH102F

Date: 26.MAY.2016 16:03:05

BE High Freq Section, Peak – CH134F

Marker						
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.727499 GHz	-40.41 dBm	Band Power	-34.10 dBm

Date: 8 JUN.2016 12:11:48

802.11n40, HT8 (MIMO) – Chain B

BE Low Freq Section, Peak – CH102F

Date: 25.MAY.2016 16:49:58

BE Low Freq Section, RMS – CH102F

Date: 25.MAY.2016 16:49:31

BE High Freq Section, Peak – CH134F

Date: 8 JUN 2016 12:12:38

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802.11ac80, VHT0 (SISO) – Chain A

BE Low Freq Section, Peak – CH106ac80

Date: 26.MAY.2016 12:32:09

BE Low Freq Section, RMS – CH106ac80

Date: 26.MAY.2016 12:31:33

802.11ac80, VHT0 (SISO) – Chain B

BE Low Freq Section, Peak – CH106ac80

Date: 25.MAY.2016 14:12:23

BE Low Freq Section, RMS – CH106ac80

Date: 25.MAY.2016 14:11:57

802.11ac80, VHT0 (MIMO)- Chain A
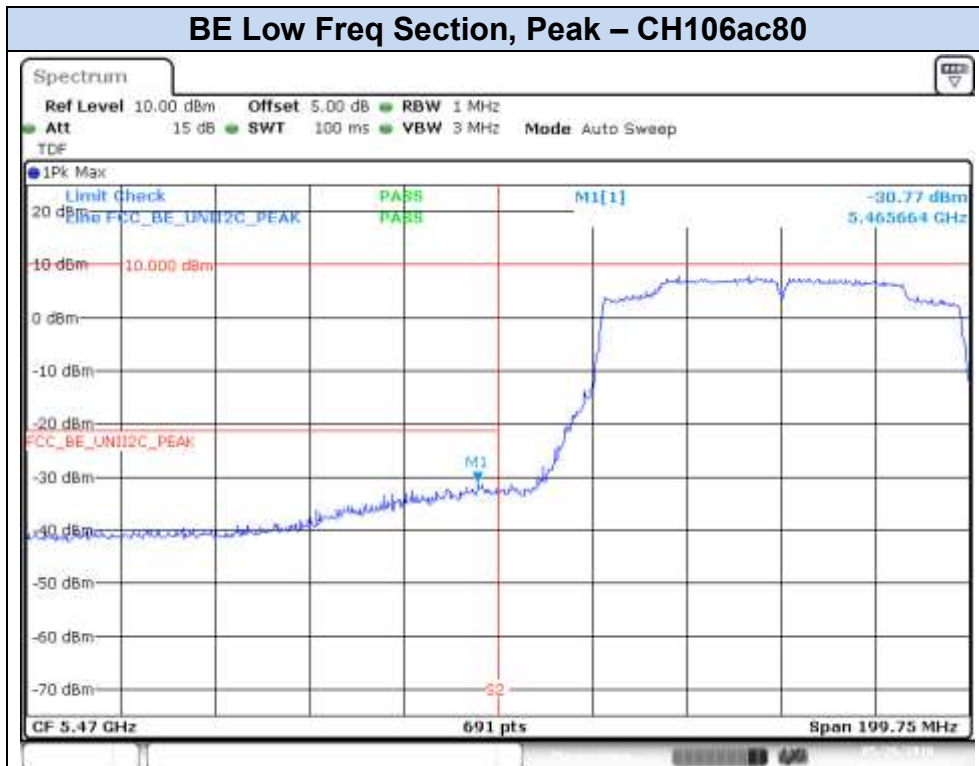
BE Low Freq Section, Peak – CH106ac80

Date: 26.MAY.2016 16:15:42

BE Low Freq Section, RMS – CH106ac80

Date: 26.MAY.2016 16:15:09

Printed copies are not controlled documents

802.11ac80, VHT0 (MIMO)- Chain B

BE Low Freq Section, Peak – CH106ac80

BE Low Freq Section, RMS – CH106ac80
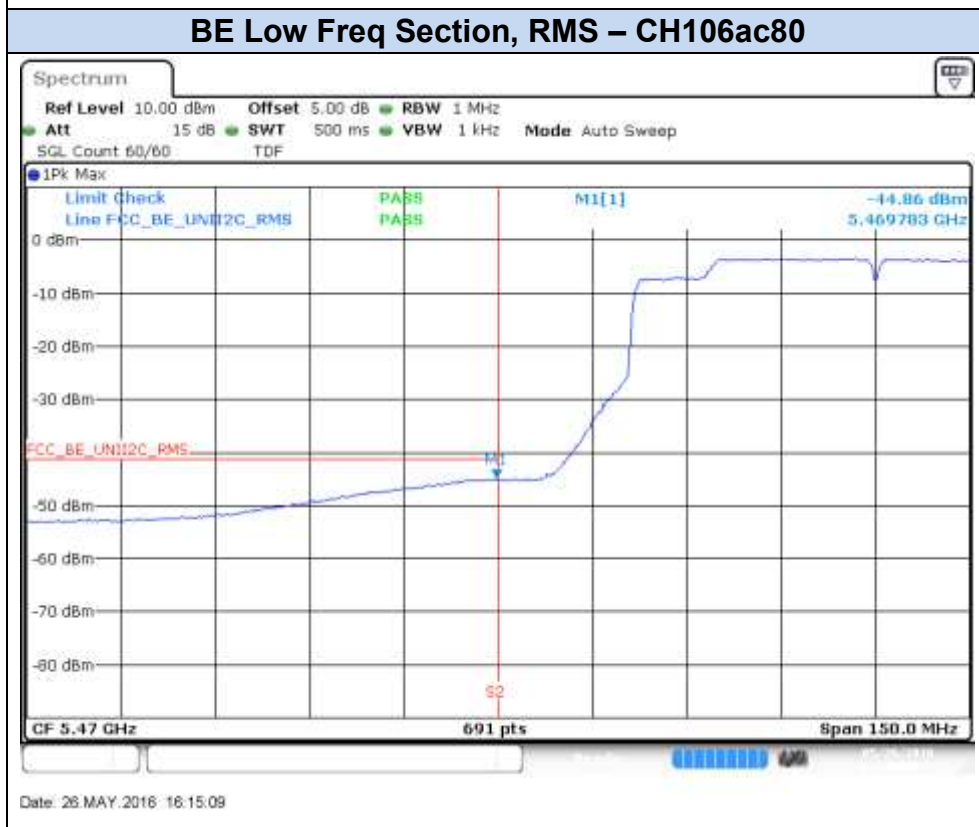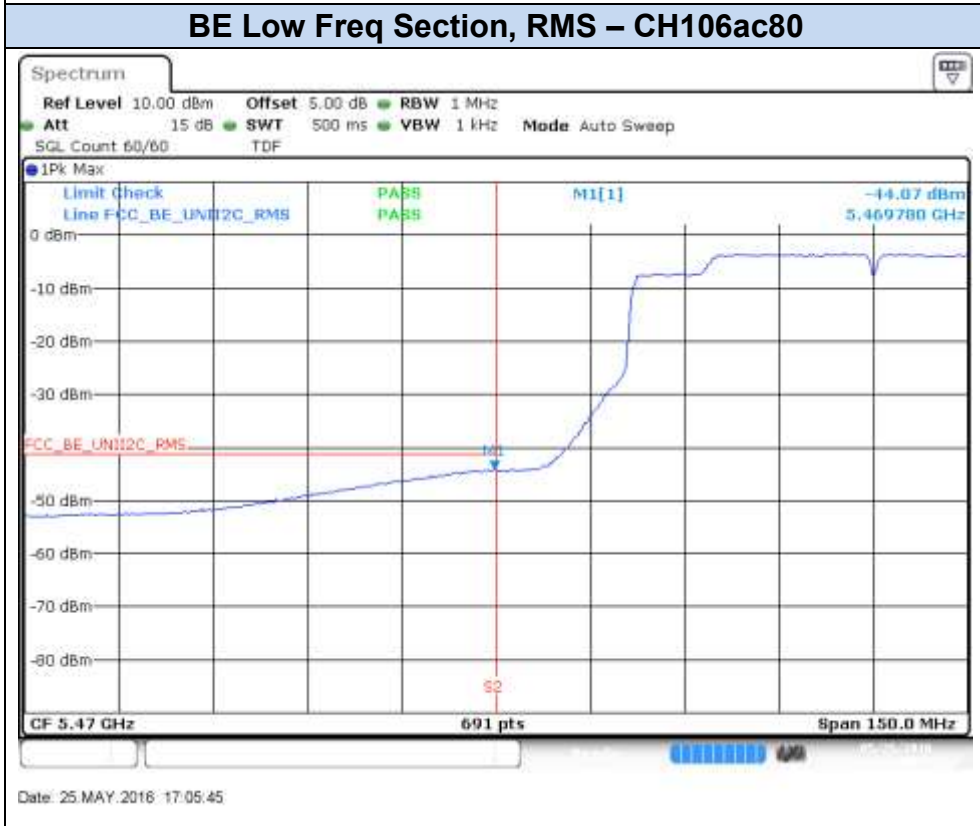
B.4   Radiated spurious emission

Standard references:

FCC part	RSS part	Limits
15.407 (b) (3)	RSS-247 Clause 6.2.2 (2)	For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
15.209	RSS-GEN, Clause 8.9	Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a): Table below 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 specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.

Freq Range (MHz)	Field Strength (μV/m)	Field Strength (dBμV/m)	Meas. Distance (m)
0.009-0.490	2400/f(kHz)	-	300
0.490-1.705	24000/f(kHz)	-	300
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

Test procedure:

The below setups were used to measure the radiated spurious emissions.
Depending of the frequency range and bands being tested, different antennas and filters were used.
The final measurement is done by varying the antenna height from, the EUT azimuth over 360° and for both Vertical and Horizontal polarizations.
The radiated spurious emissions were measured on the worst case configuration selected from the chapter B.2 and using the lowest, middle and highest channels.

Radiated Setup < 1GHz
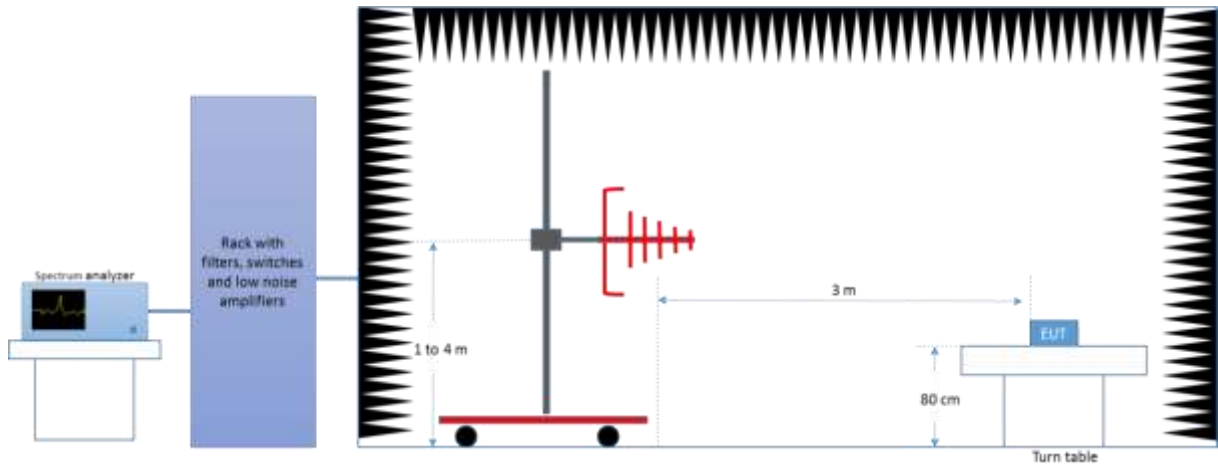
Radiated Setup 1 GHz - 18 GHz
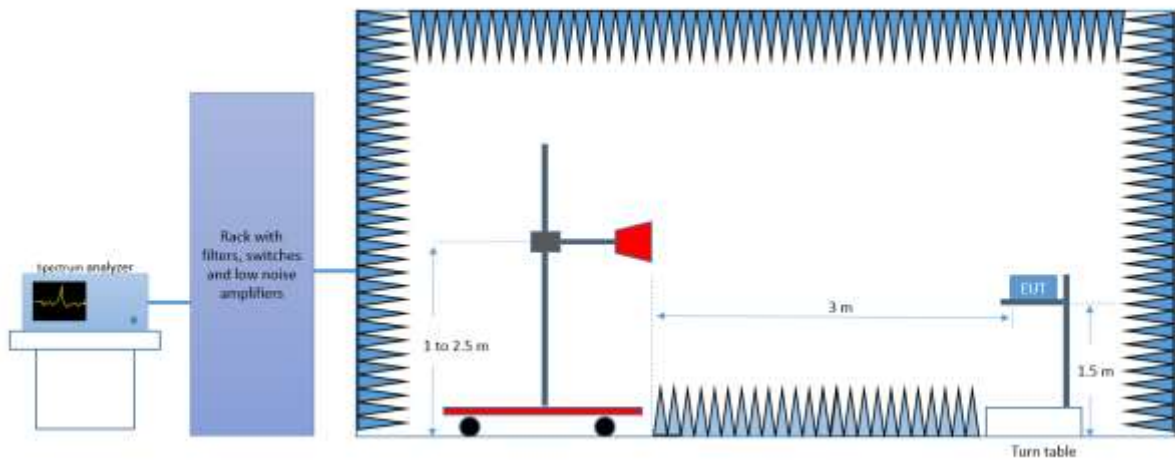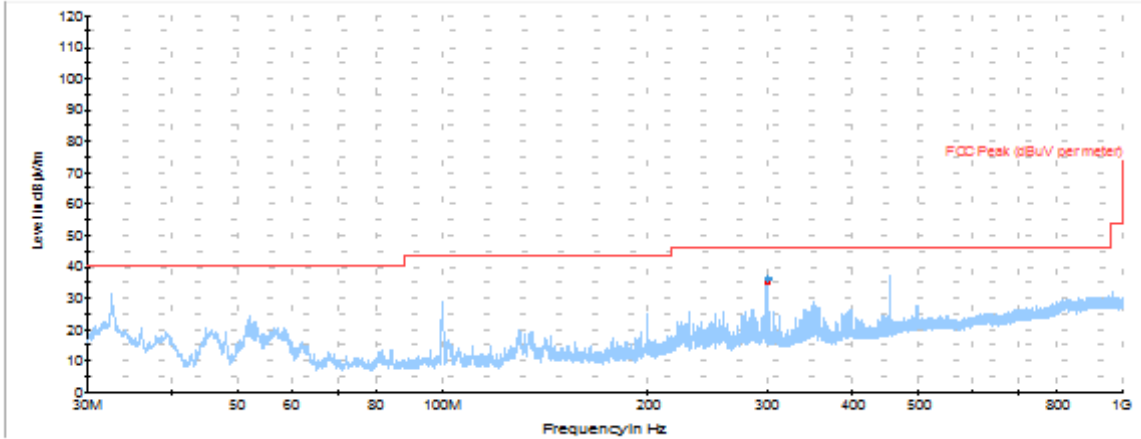
Radiated Setup 18 GHz - 26.5 GHz
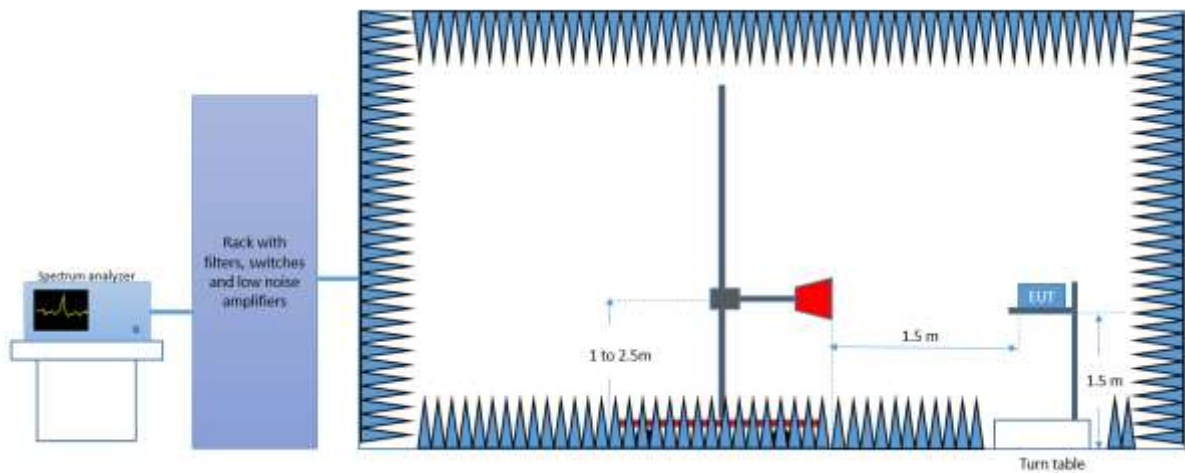
Radiated Setup > 26.5 GHz
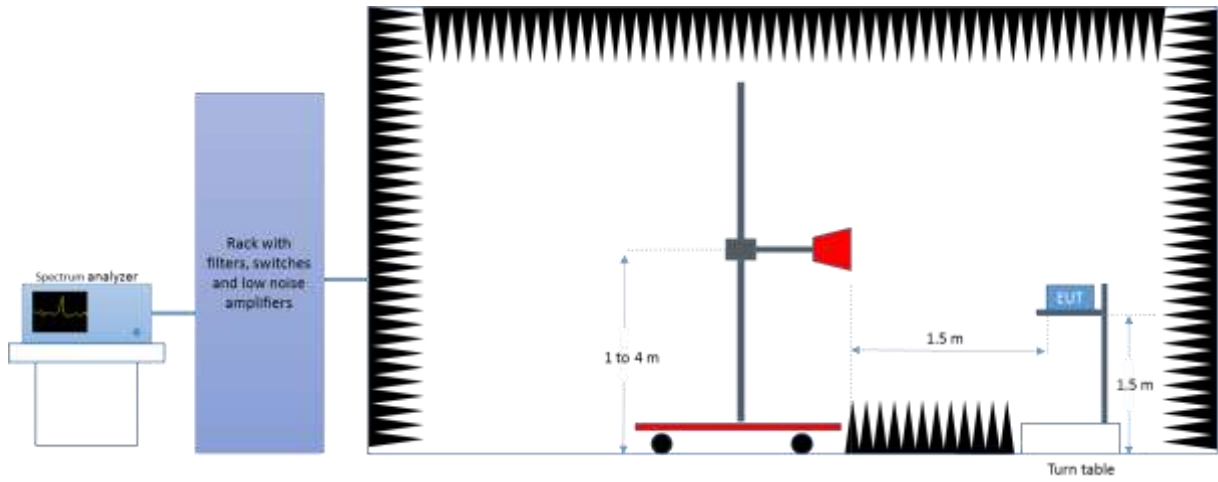
Test Results:

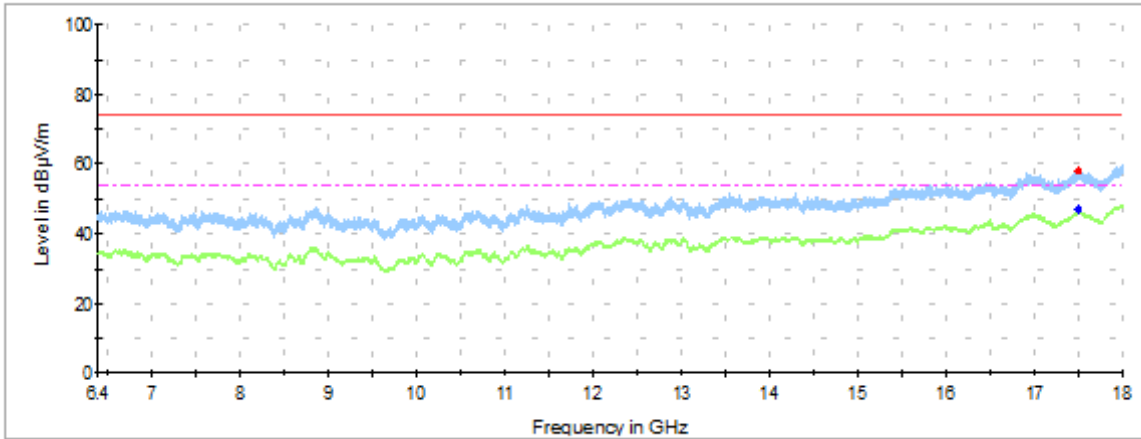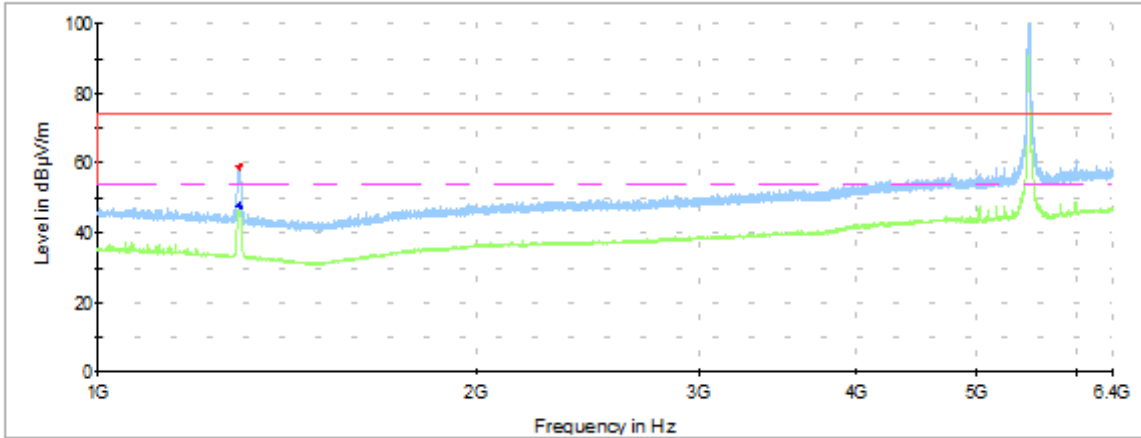## Radiated Spurious – 30MHz to 1GHz

Radiated Spurious – All modes

Frequency	MaxPeak	Limit	Margin
MHz	dBuV/m	dBuV/m	dB
300	36.0	46	10.0

Note 1: The spurious signals detected do not depend on either the operating channel or the modulation mode.
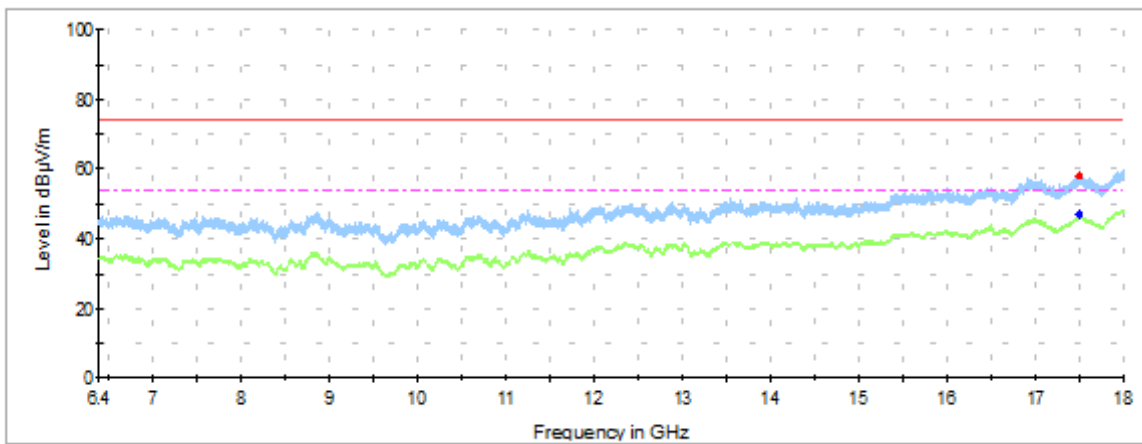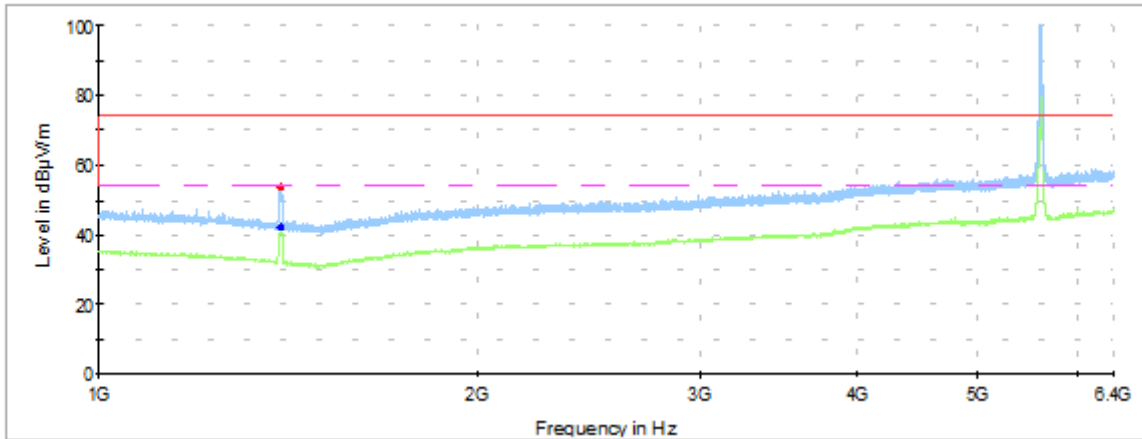
1 GHz – 18 GHz, 802.11a, 6Mbps, Chain A

Radiated Spurious – CH100

	Peak measurements		Avg measurements		Limit FCC Peak		Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1295	60.2	-	74	13.8
1295	-	48.8	54	5.2
17491	57.9	-	74	16.1
17507	-	47.0	54	7.0

Radiated Spurious – CH120

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1394	55.8	-	74	18.2
1394	-	43.7	54	10.3
17546	57.8	-	74	16.2
17546	-	45.9	54	8.1

Radiated Spurious – CH140
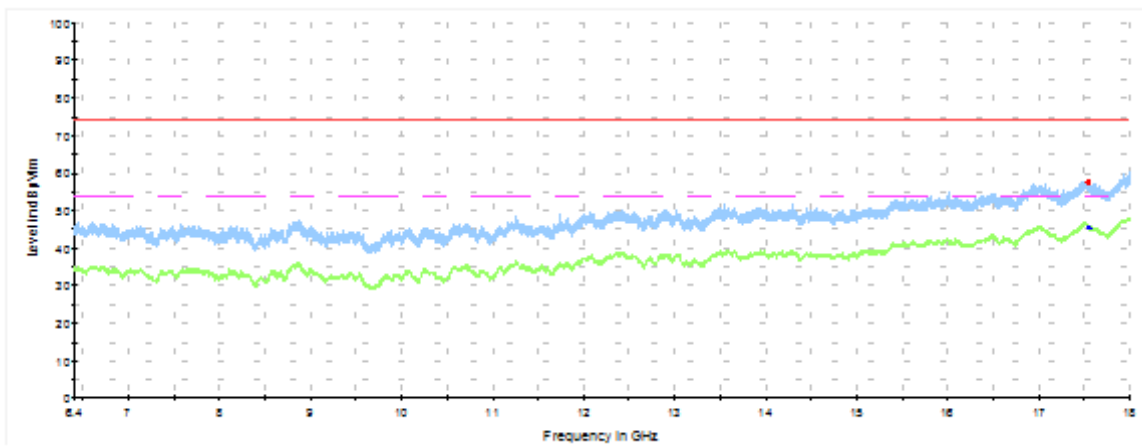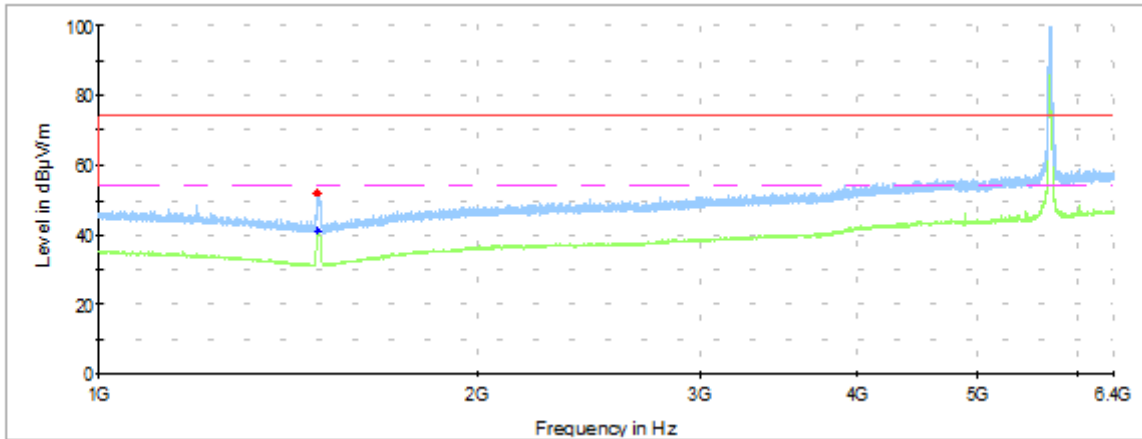
Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1490	52.3	-	74	21.8
1490	-	42.4	54	11.7
17550	57.4	-	74	16.6
17550	-	45.5	54	8.5

1 GHz – 18 GHz, 802.11a, 6Mbps, Chain B

Radiated Spurious – CH100
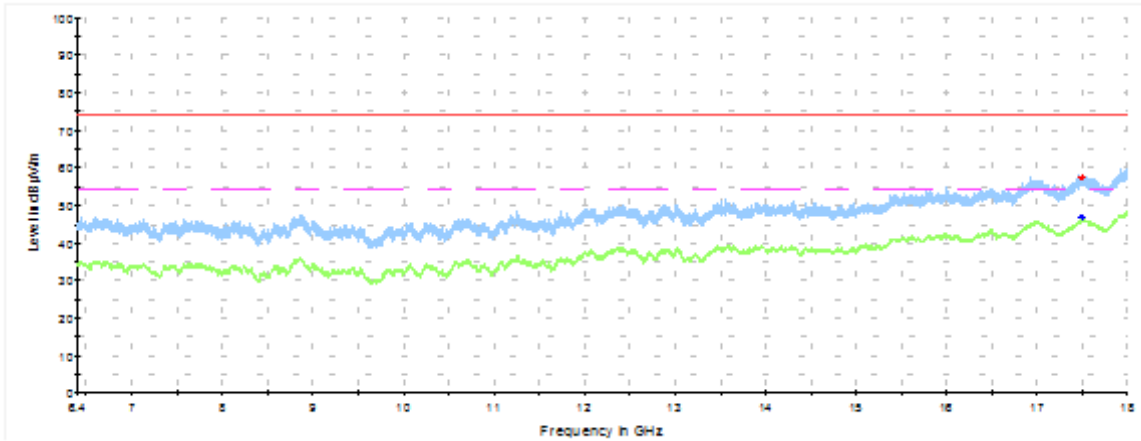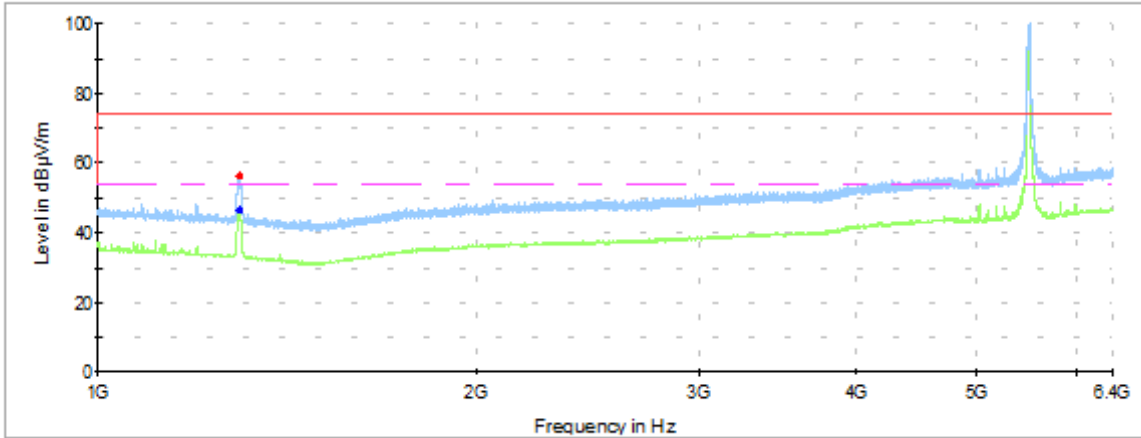
Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1294	60.1	-	74	13.9
1294	-	49.4	54	4.6
17491	57.4	-	74	16.6
17492	-	47.0	54	7.0

Radiated Spurious – CH120
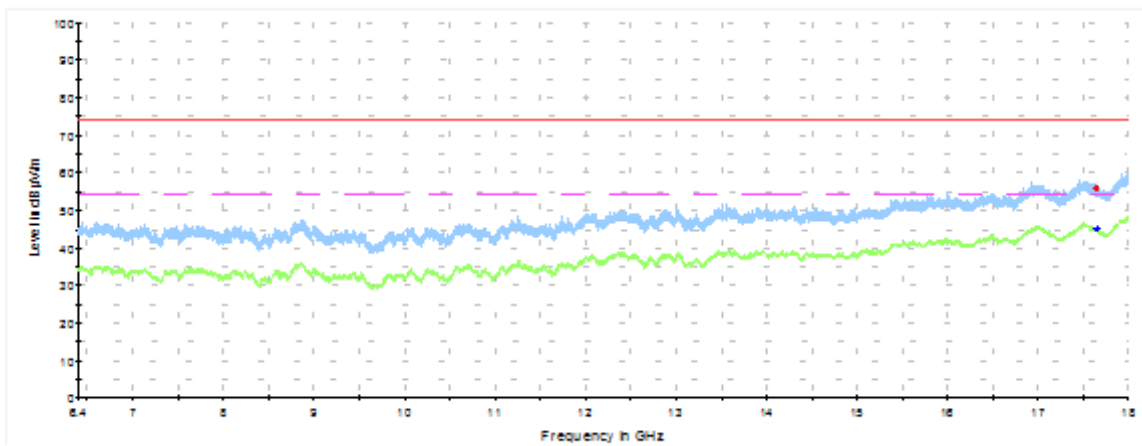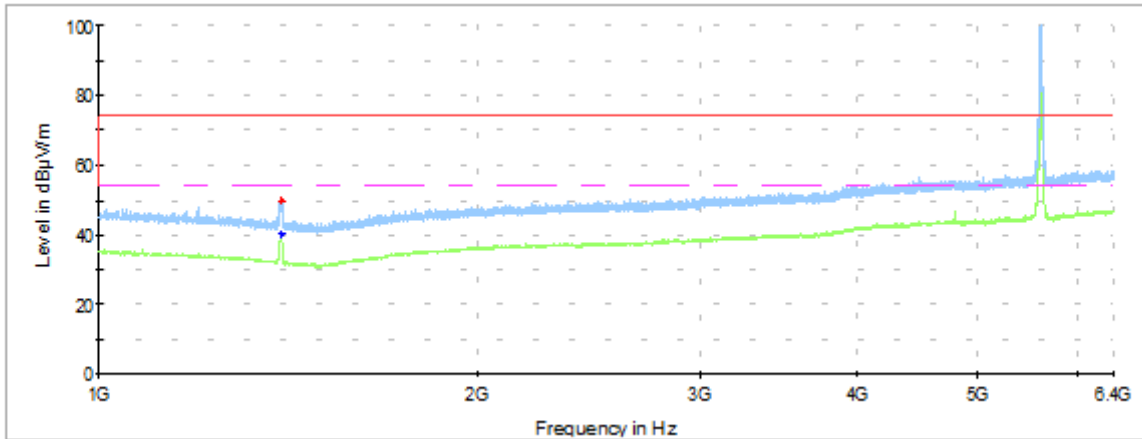
Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1396	55.1	-	74	18.9
1396	-	43.8	54	10.2
17648	56.1	-	74	17.9
17648	-	45.1	54	8.9
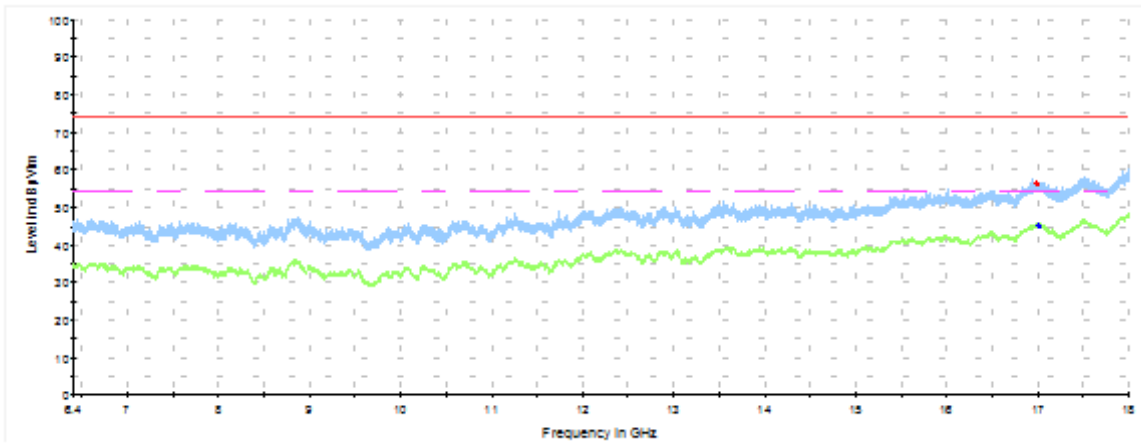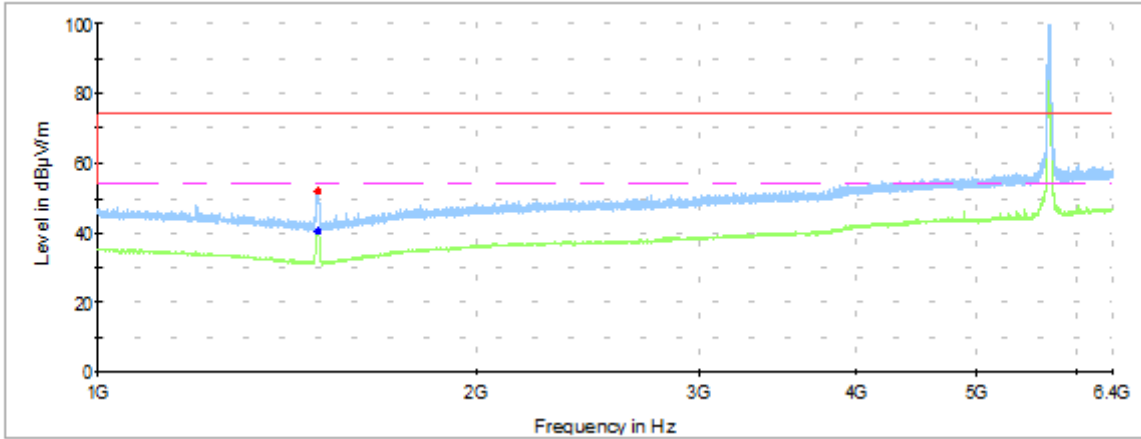
Printed copies are not controlled documents

Radiated Spurious – CH140

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1494	52.4	-	74	21.6
1494	-	40.5	54	13.5
16988	56.2	-	74	17.8
17006	-	45.0	54	9.0

1 GHz – 18 GHz, 802.11n20, HT0, Chain A

Radiated Spurious – CH100
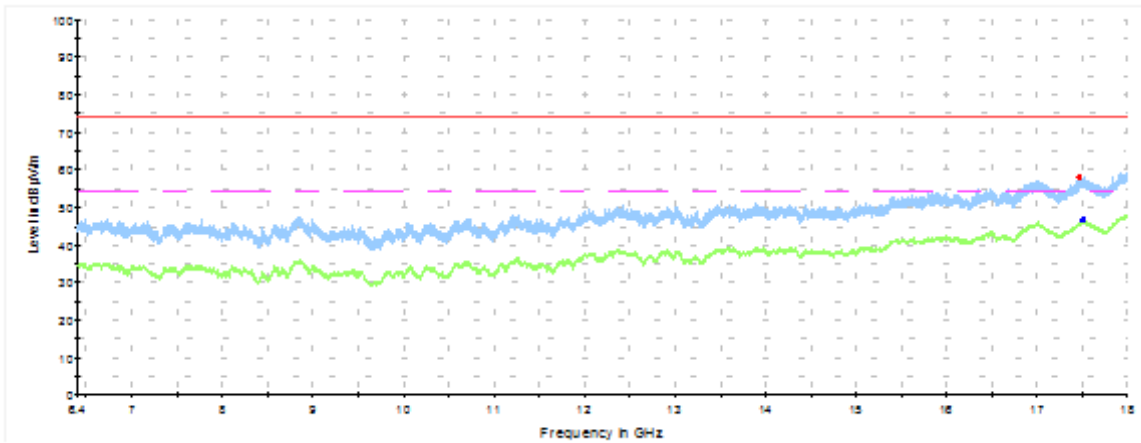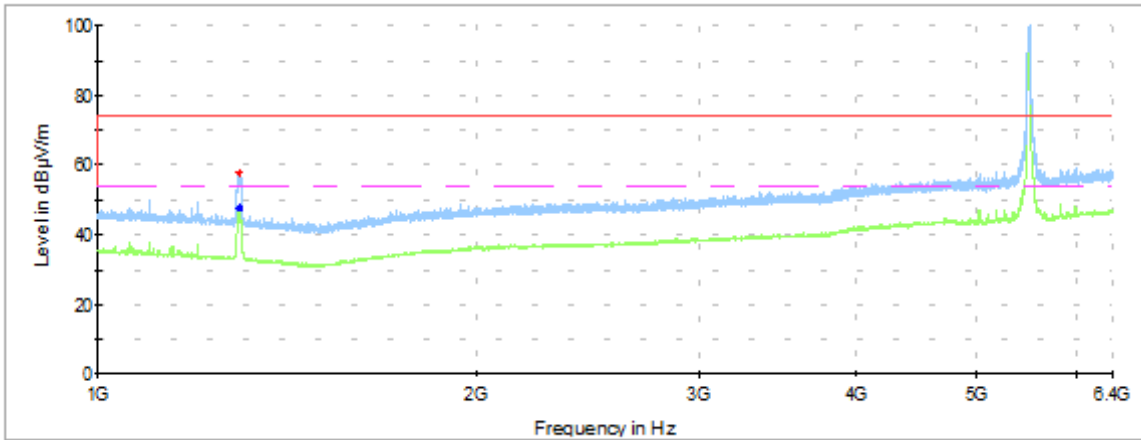
| | Peak measurements | | Avg measurements | | Limit FCC Peak | | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1294	57.5	-	74	16.5
1294	-	50.3	54	3.7
17478	58.1	-	74	15.9
17498	-	46.7	54	7.3

Radiated Spurious – CH120
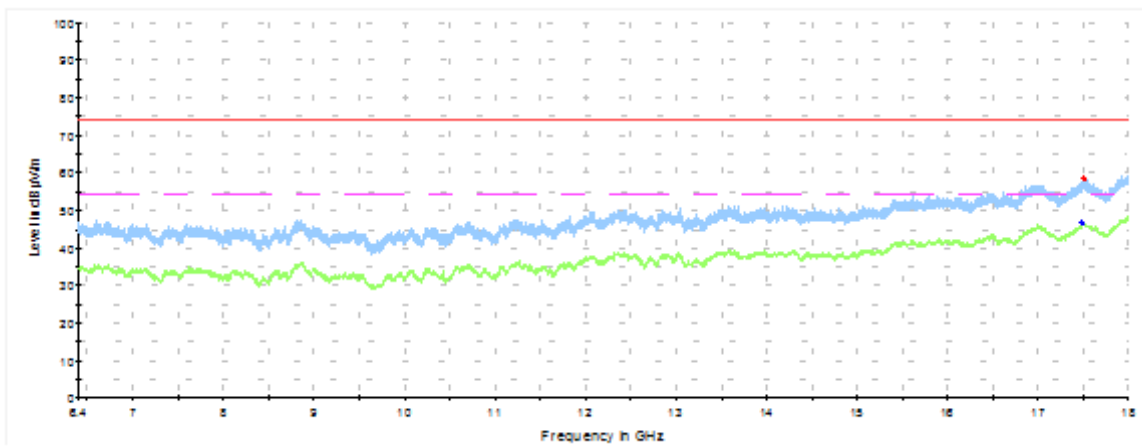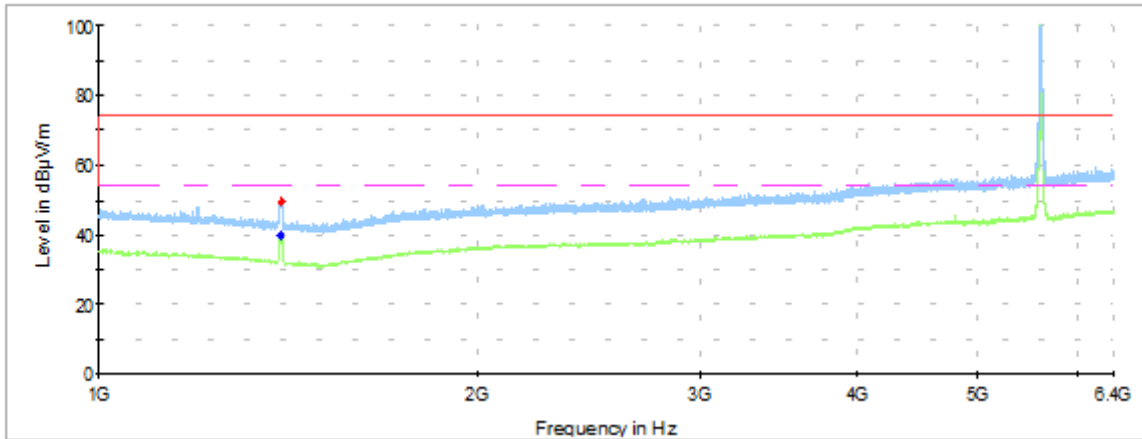
| | Peak measurements | | Avg measurements | | Limit FCC Peak | | Limit FCC Avg |

| Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1393	54.8	-	74	19.2
1393	-	43.0	54	11.0
17485	58.5	-	74	15.5
17507	-	46.6	54	7.4
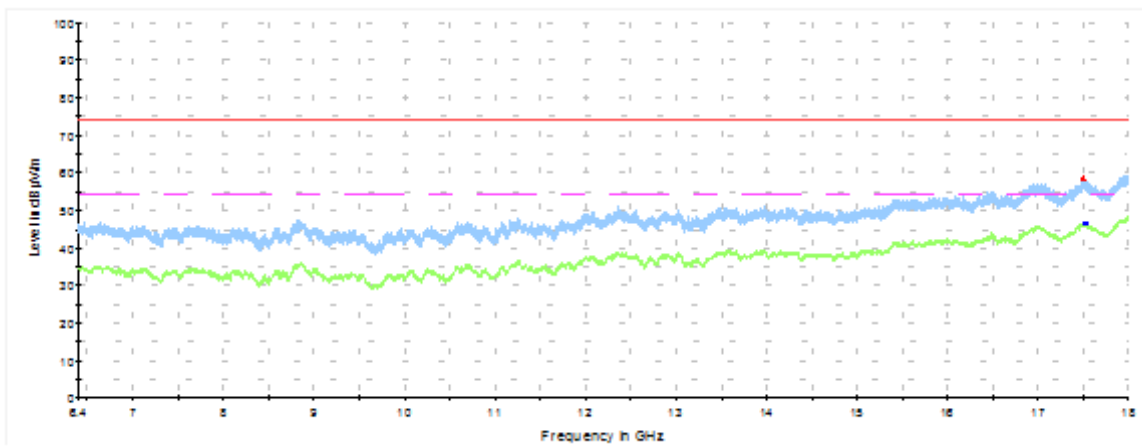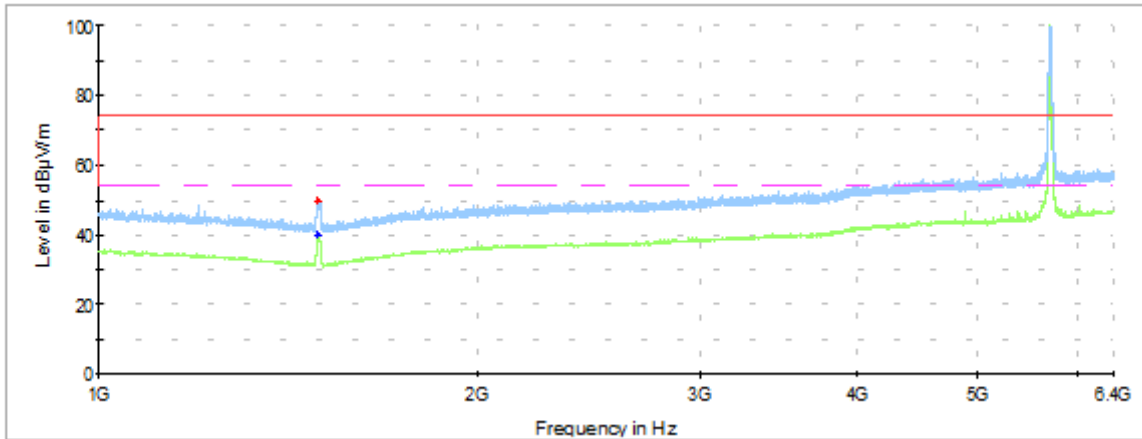
Radiated Spurious – CH140

| | Peak measurements | | Avg measurements | | Limit FCC Peak | | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1493	51.7	-	74	22.3
1493	-	40.9	54	13.1
17505	58.1	-	74	15.9
17526	-	46.5	54	7.5

1 GHz – 18 GHz, 802.11n20, HT0, Chain B

Radiated Spurious – CH100
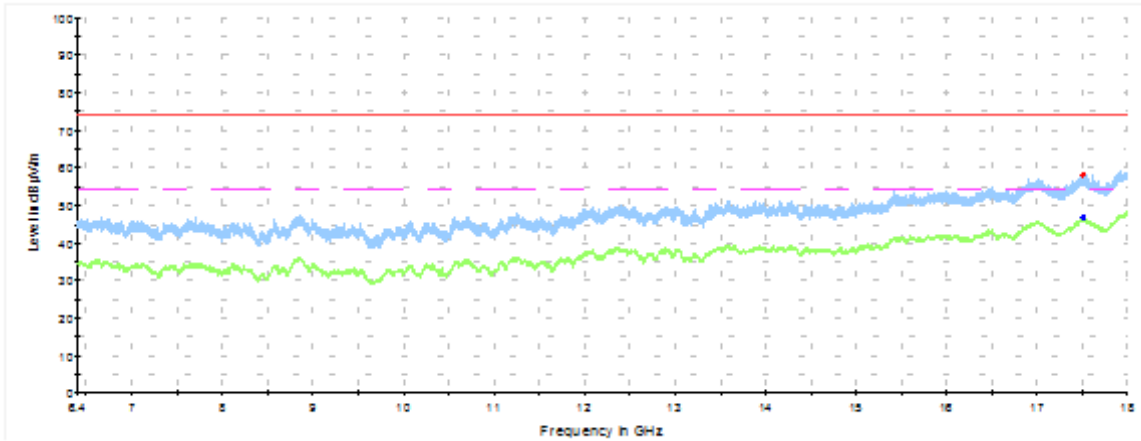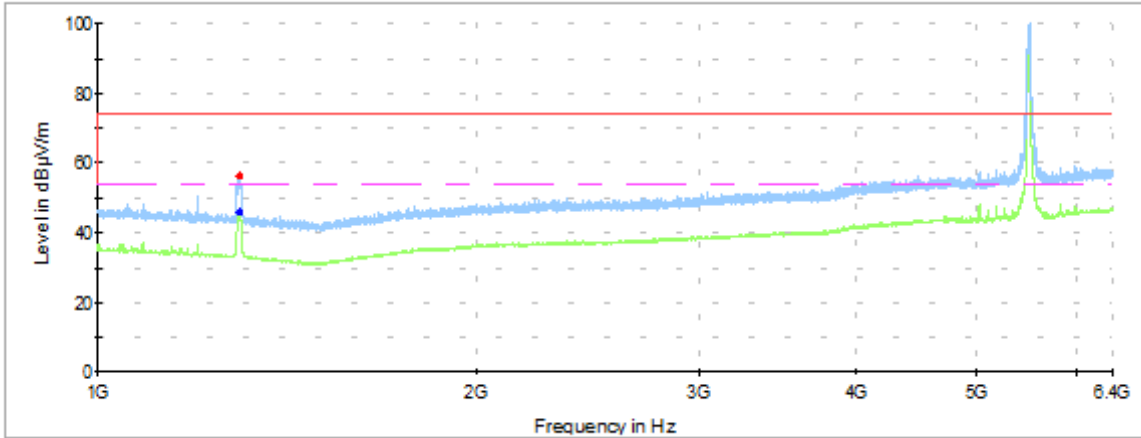
Peak measurements	Avg measurements	Limit FCC Peak	Limit FCC Avg	

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1294	59.8	-	74	14.2
1294	-	46.8	54	7.2
17509	58.1	-	74	15.9
17511	-	46.7	54	7.3

Radiated Spurious – CH120
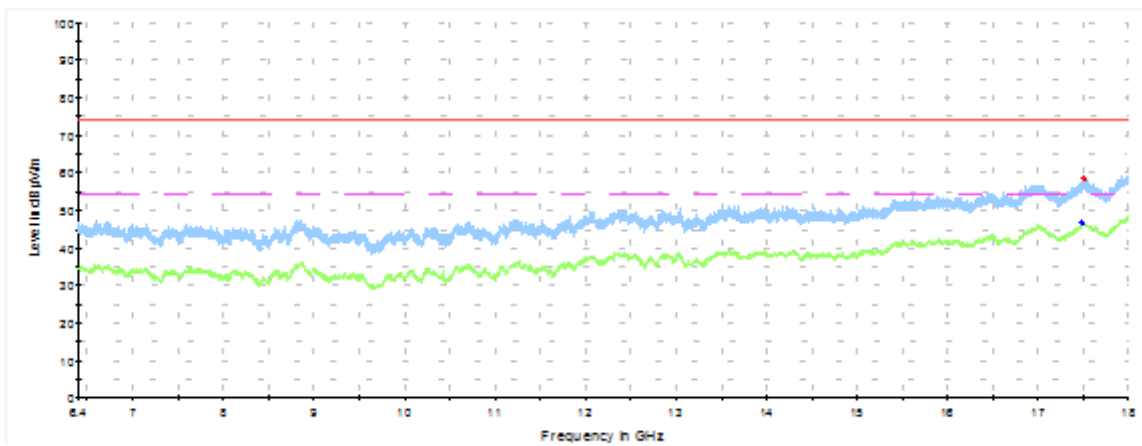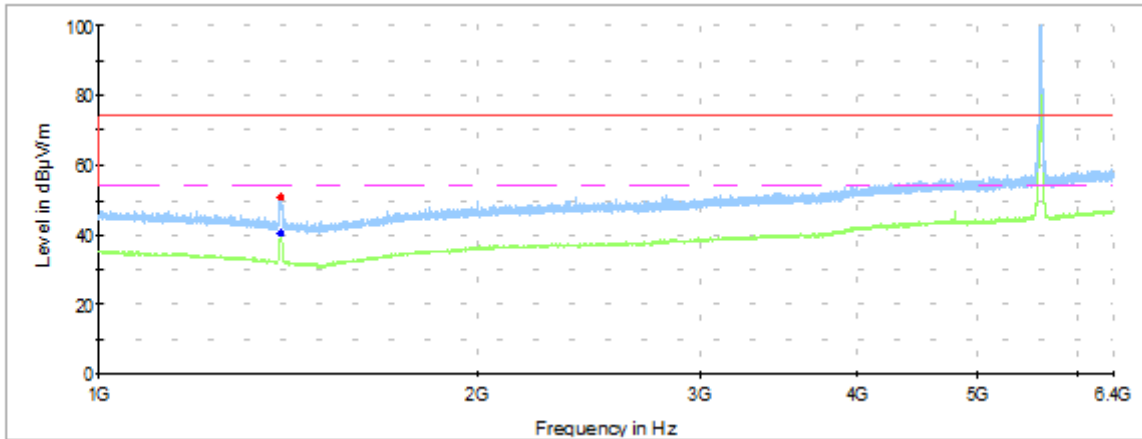
| | Peak measurements | | Avg measurements | | Limit FCC Peak | | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1394	46.7	-	74	27.3
1394	-	39.8	54	14.2
17485	58.5	-	74	15.5
17507	-	46.6	54	7.4
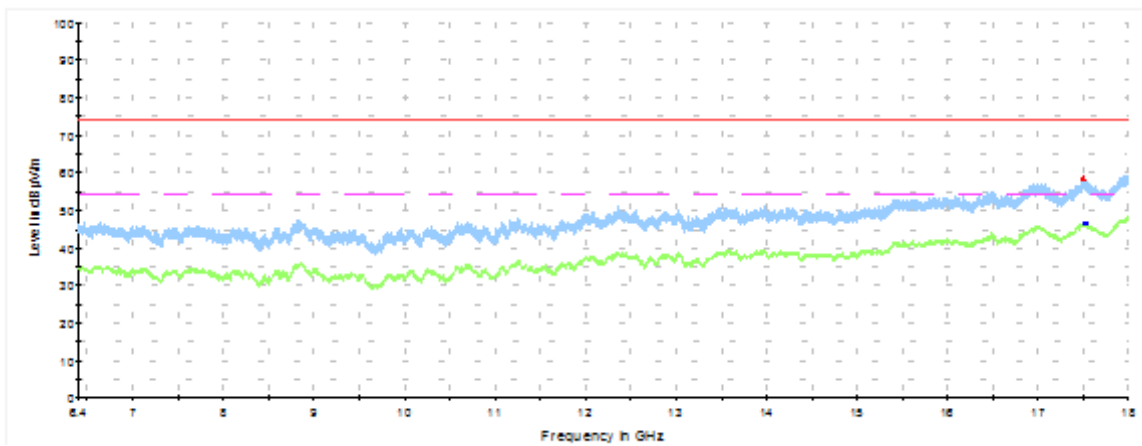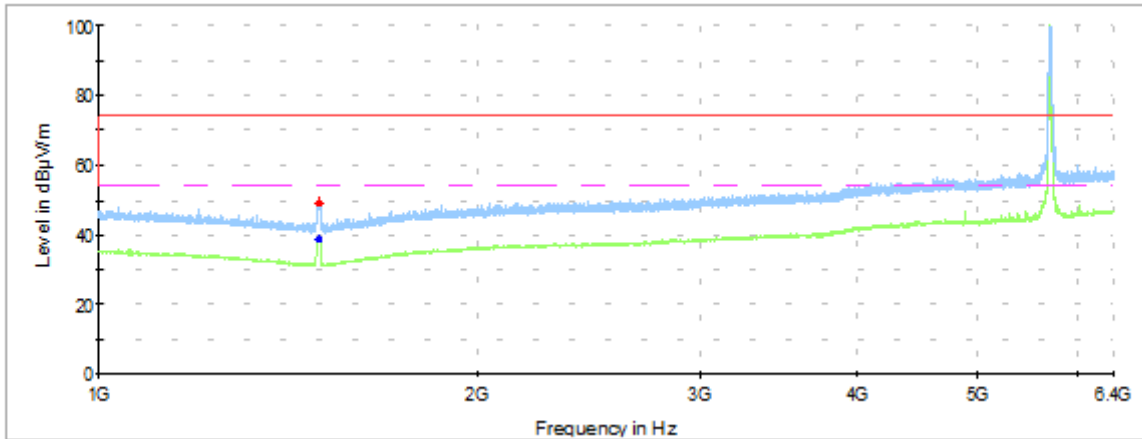
Radiated Spurious – CH140

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1495	54.0	-	74	20.0
1495	-	37.7	54	16.3
17505	58.1	-	74	15.9
17526	-	46.4	54	7.6

1 GHz – 18 GHz, 802.11n20, HT8, Chain A+B
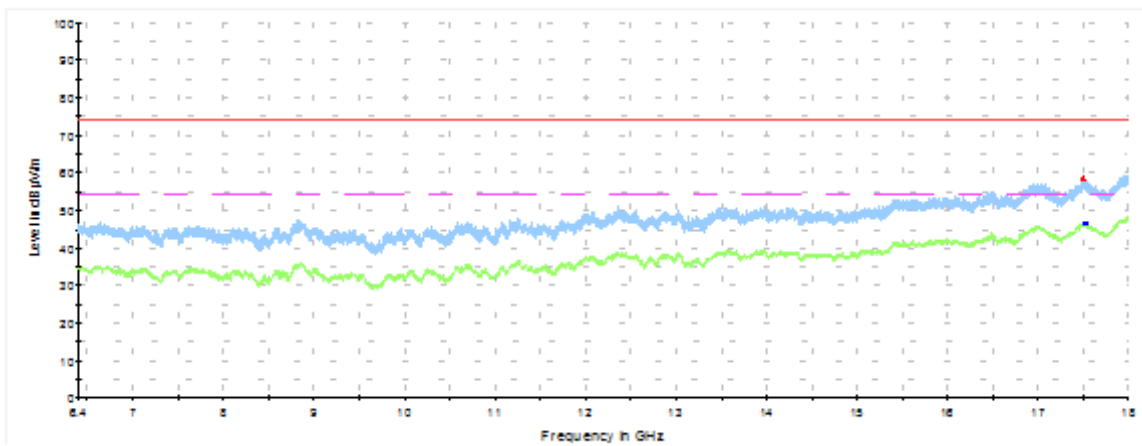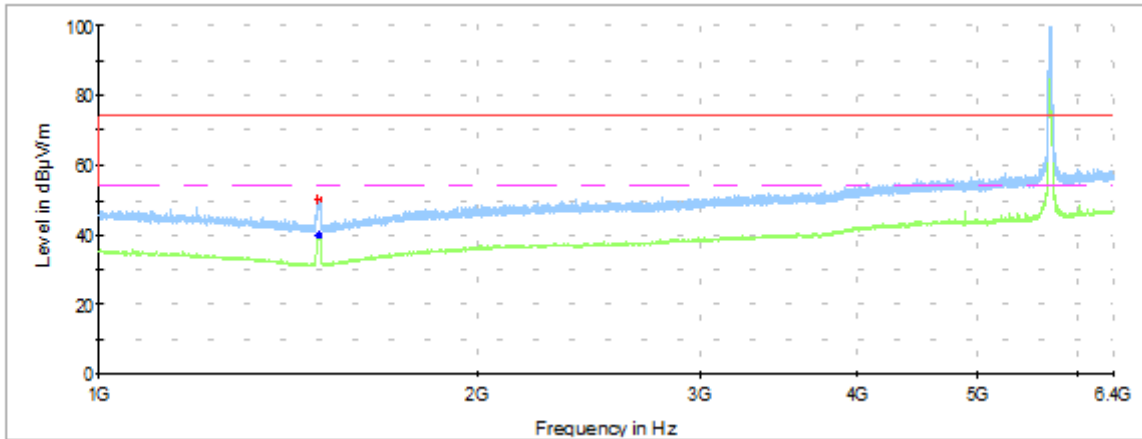
Radiated Spurious – CH100
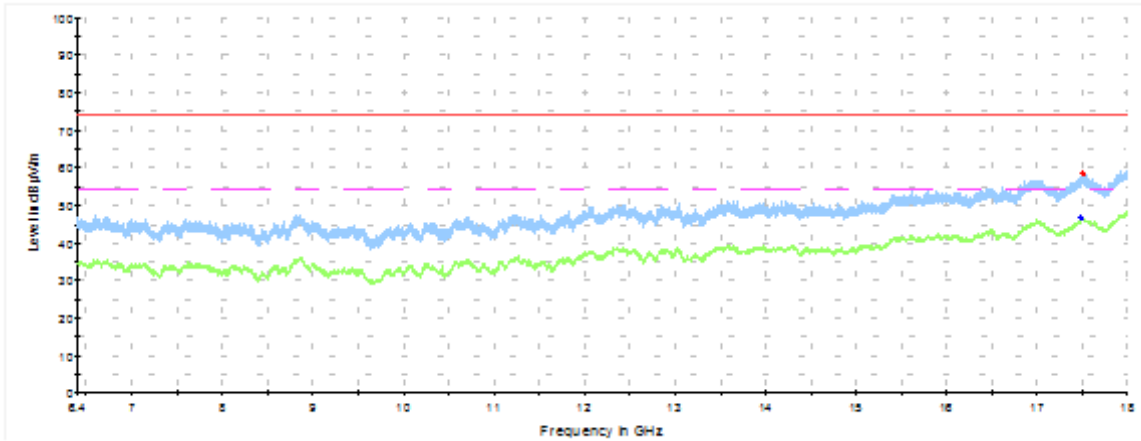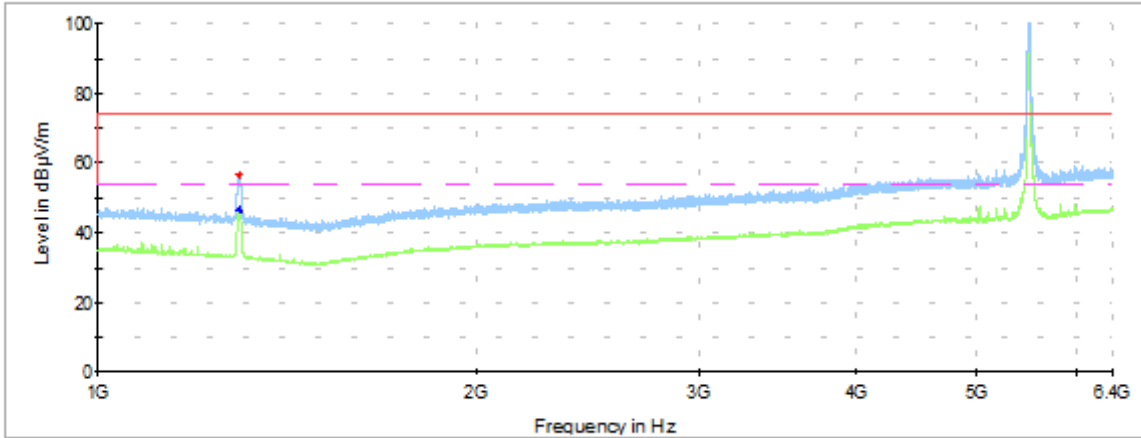
| | Peak measurements | | Avg measurements | | Limit FCC Peak | | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1295	60.8	-	74	13.2
1295	-	49.2	54	4.8
17485	58.5	-	74	15.5
17507	-	46.6	54	7.4
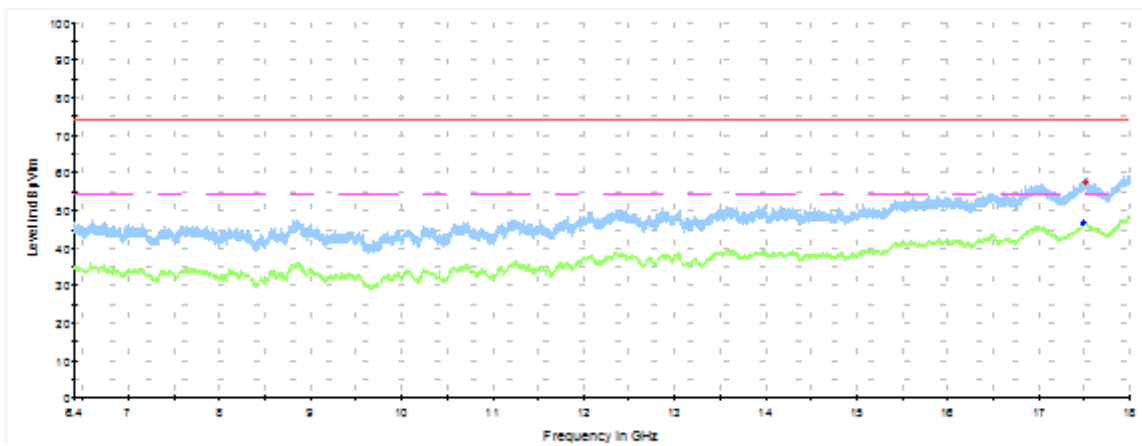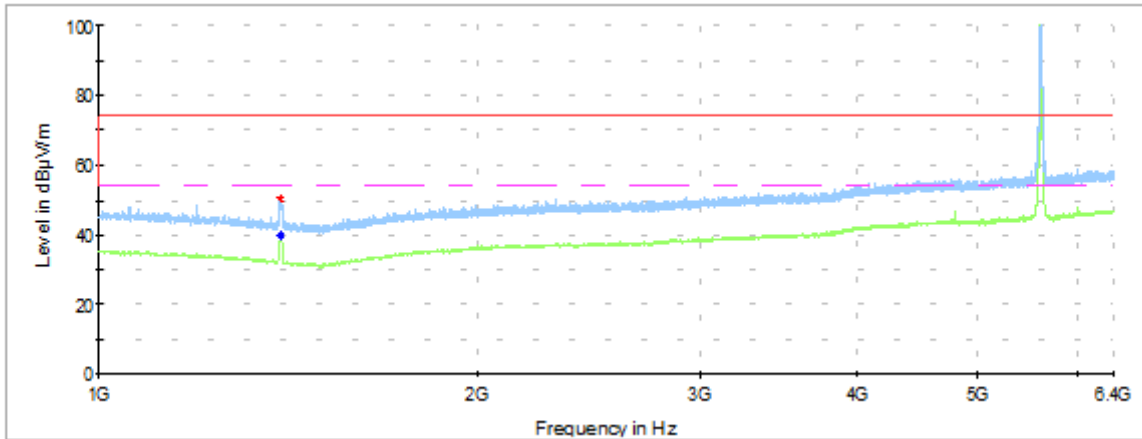
Radiated Spurious – CH120

| | Peak measurements | | Avg measurements | | Limit FCC Peak | | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1394	54.5	-	74	9.5
1394	-	44.6	54	19.4
17485	57.6	-	74	16.4
17521	-	46.6	54	7.4

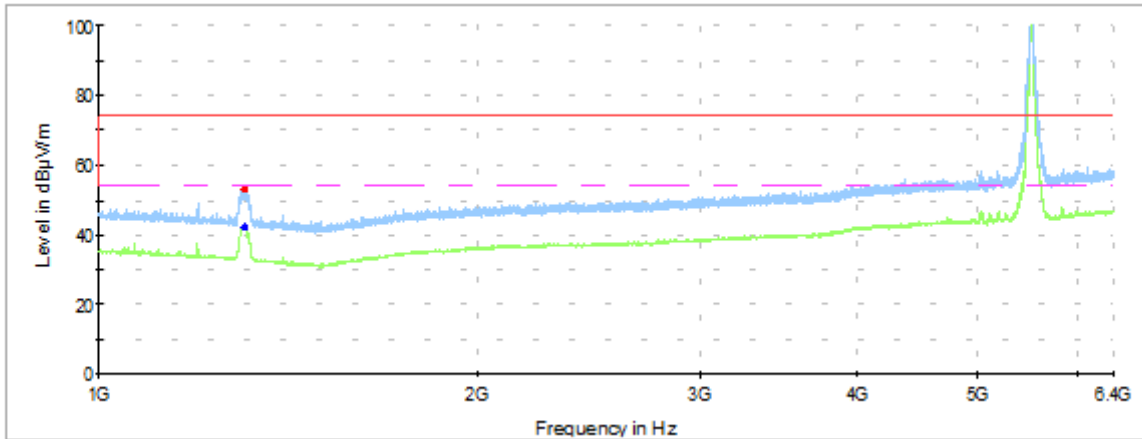## Radiated Spurious – CH140

| Peak measurements | Avg measurements | Limit FCC Peak | Limit FCC Avg |

| Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1493	54.0	-	74	20.0
1493	-	43.4	54	10.6
17505	58.1	-	74	15.9
17526	-	46.5	54	7.5

1 GHz – 18 GHz, 802.11n40, HT0, Chain A

Radiated Spurious – CH102F
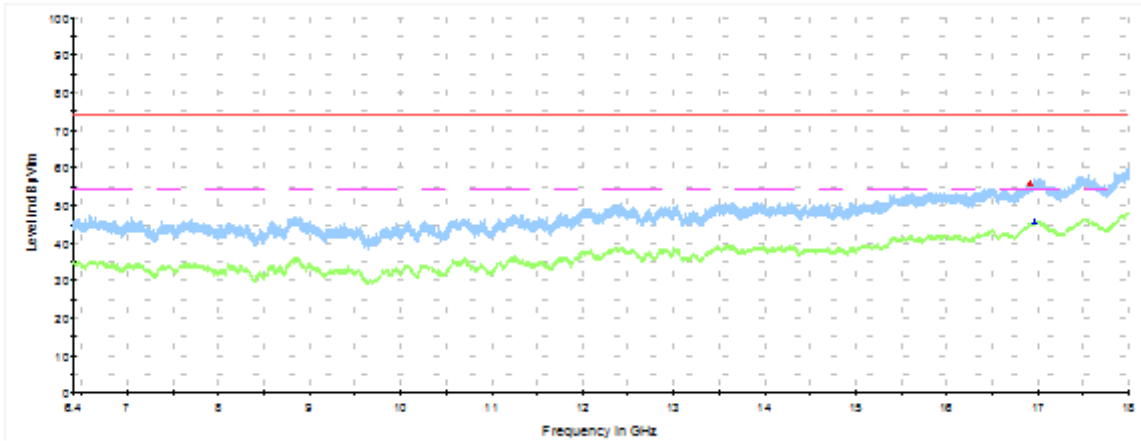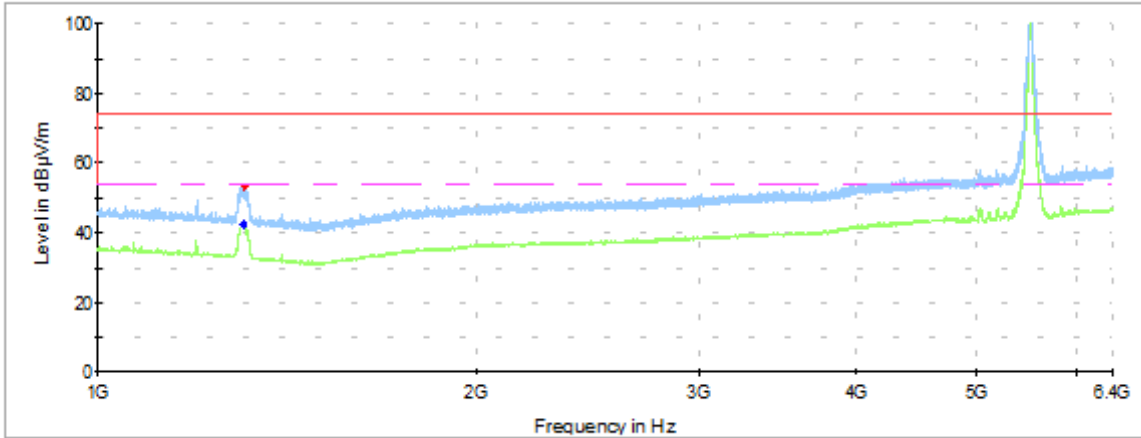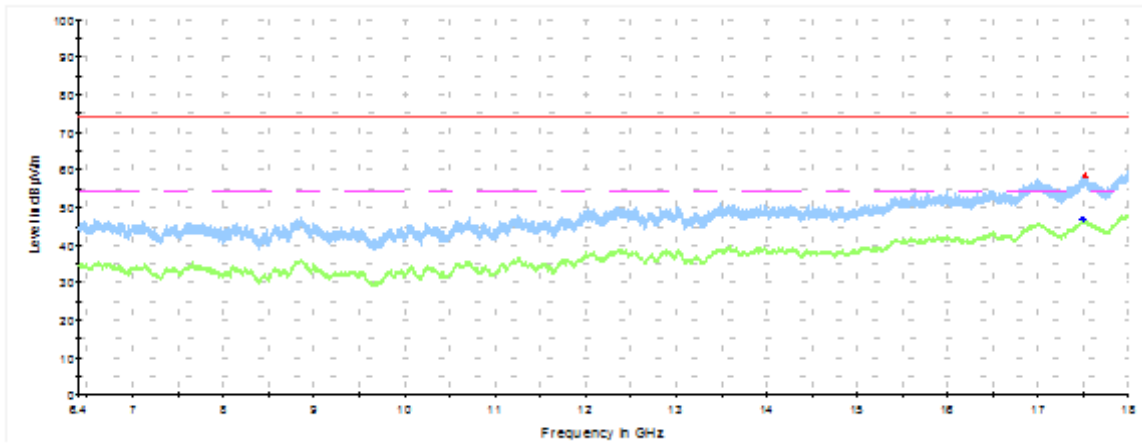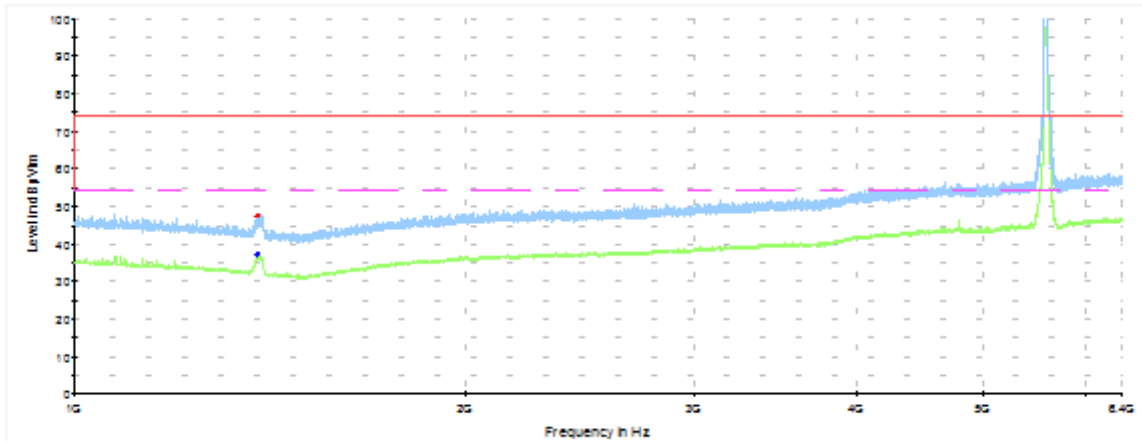

| Peak measurements | Avg measurements | Limit FCC Peak | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1304	56.0	-	74	18.0
1304	-	41.9	54	12.1
16914	55.7	-	74	18.3
16964	-	45.3	54	8.7

Radiated Spurious – CH118F
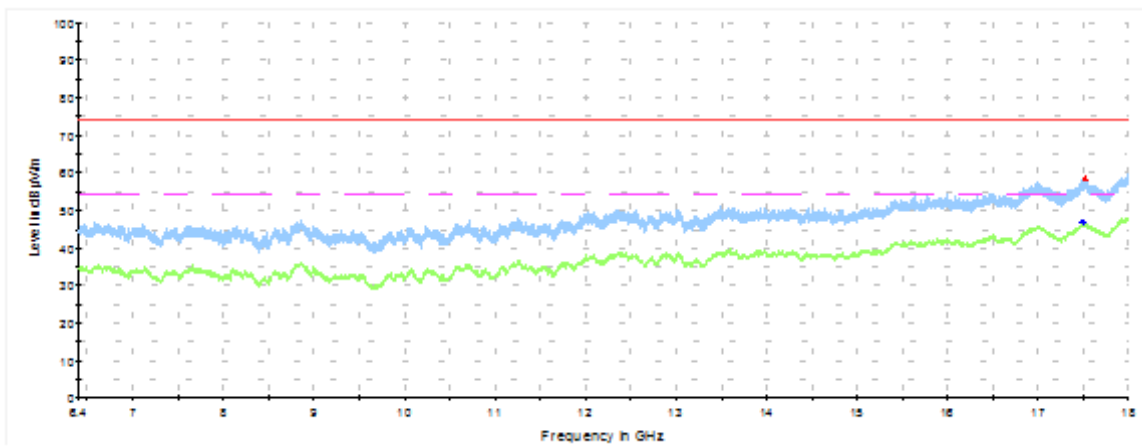
	Peak measurements		Avg measurements		Limit FCC Peak		Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1385	48.0	-	74	26.0
1388	-	37.0	54	17.0
17490	58.4	-	74	15.6
17516	-	46.9	54	7.1
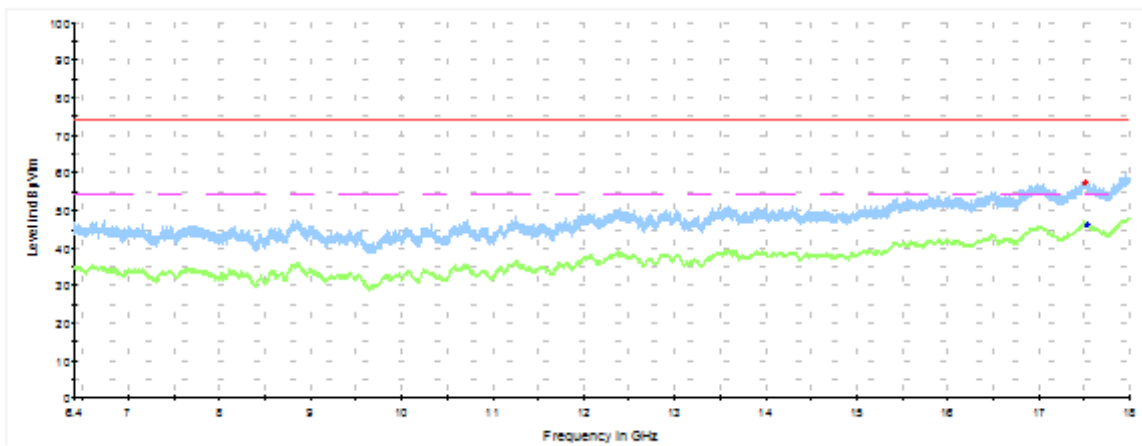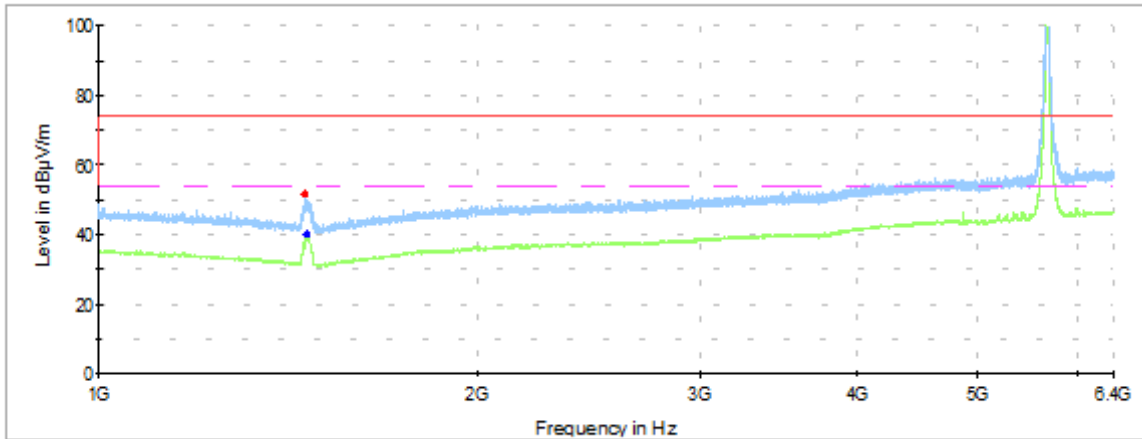
Radiated Spurious – CH134F

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1458	53.3	-	74	20.7
1463	-	42.6	54	11.4
17506	57.3	-	74	16.7
17533	-	46.3	54	7.7

1 GHz – 18 GHz, 802.11n40, HT0, Chain B

Radiated Spurious – CH102F
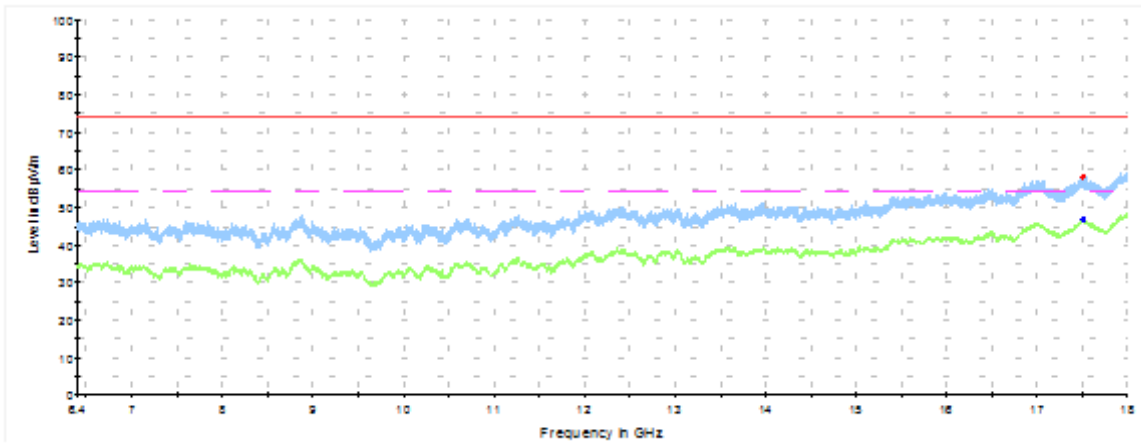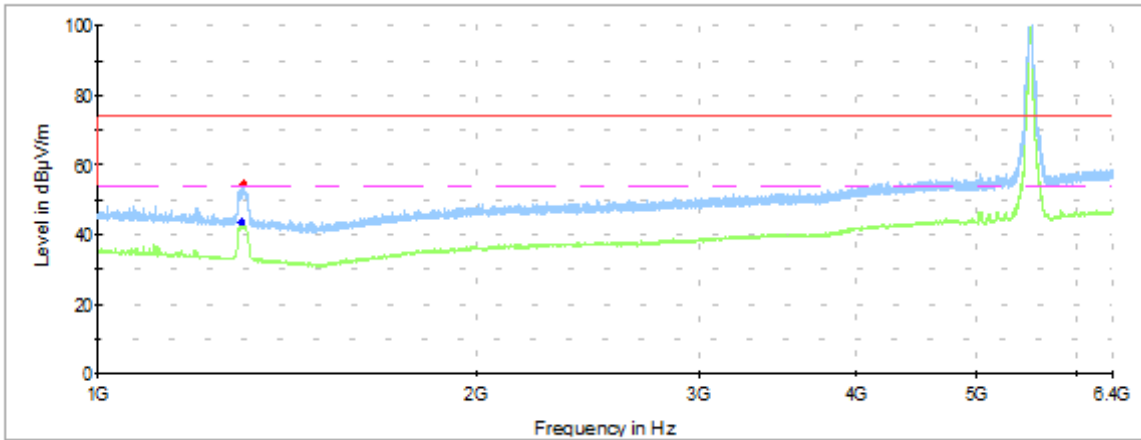
── Peak measurements	── Avg measurements	── Limit FCC Peak	─·─·─ Limit FCC Avg	

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1303	57.4	-	74	16.6
1303	-	46.8	54	7.2
17507	58.2	-	74	15.8
17508	-	46.8	54	7.2

Radiated Spurious – CH118F

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1384	47.5	-	74	26.5
1384	-	37.3	54	16.7
17490	58.4	-	74	15.6
17516	-	46.9	54	7.1
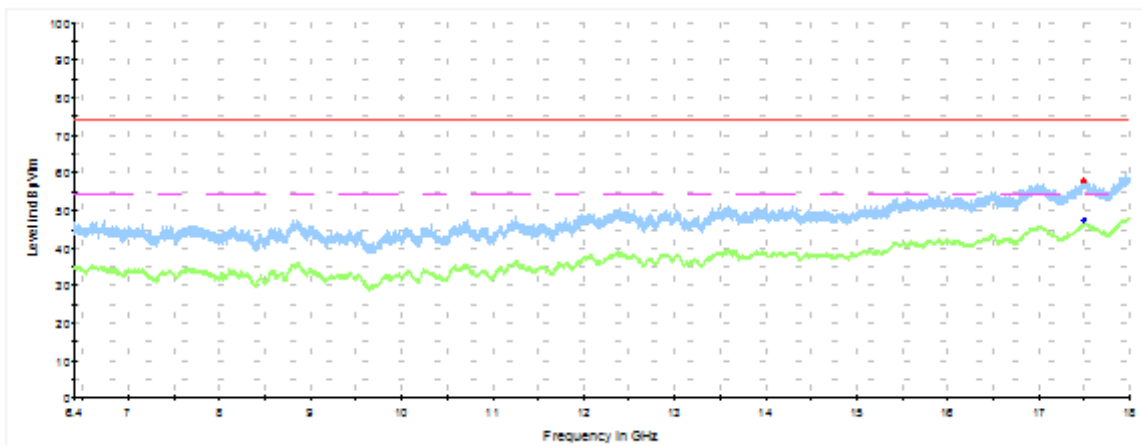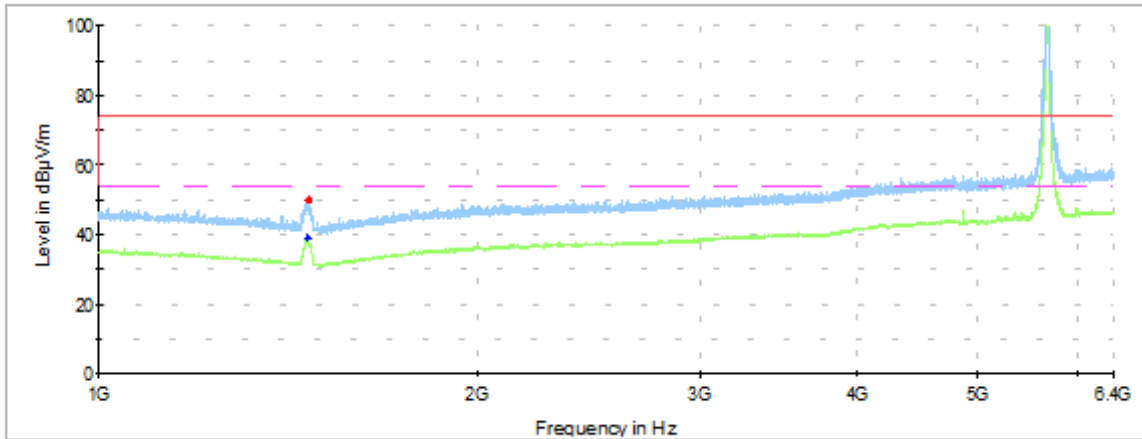
Radiated Spurious – CH134F

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1464	52.5	-	74	21.5
1464	-	42.8	54	11.2
17493	57.8	-	74	16.2
17500	-	47.3	54	6.7

1 GHz – 18 GHz, 802.11n40, HT8, Chain A+B

Radiated Spurious – CH102F
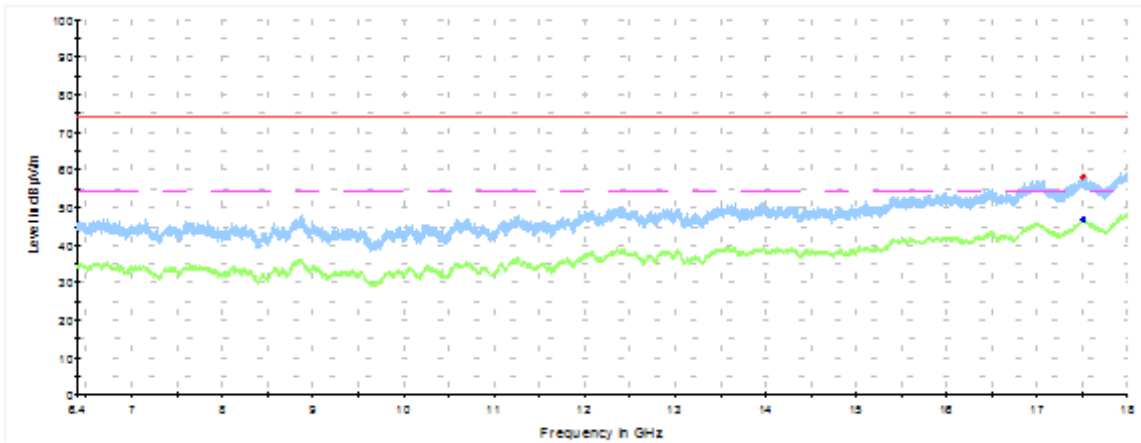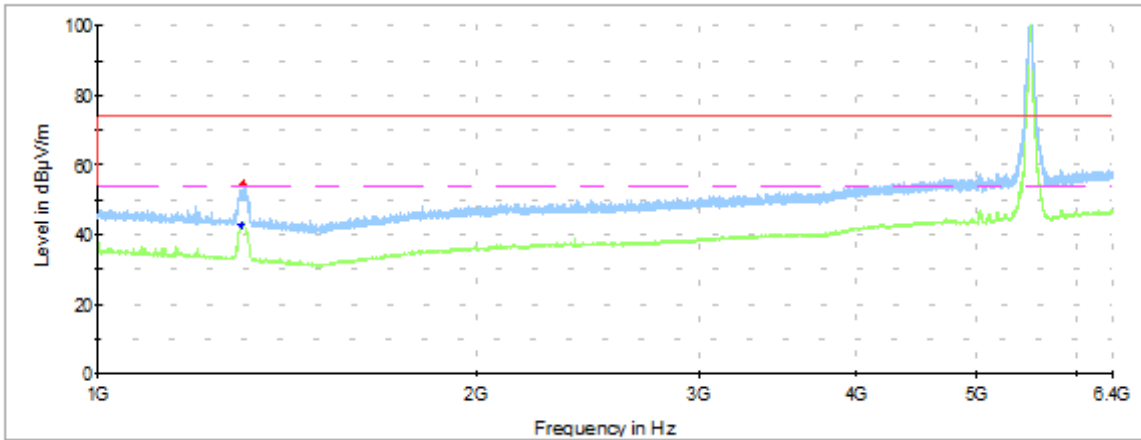
| | Peak measurements | | Avg measurements | | Limit FCC Peak | | Limit FCC Avg |

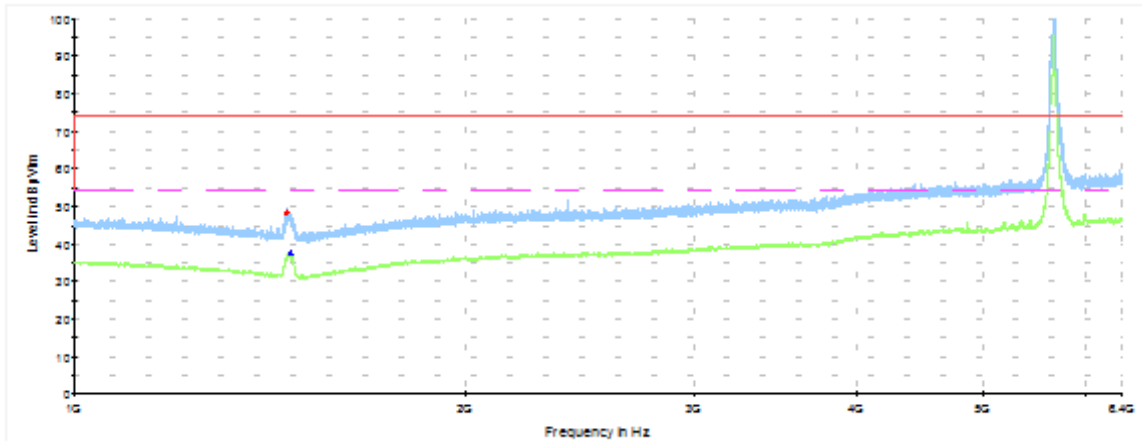| Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1298	58.2	-	74	15.8
1305	-	46.1	54	7.9
17507	58.2	-	74	15.8
17508	-	46.7	54	7.3

Radiated Spurious – CH118F
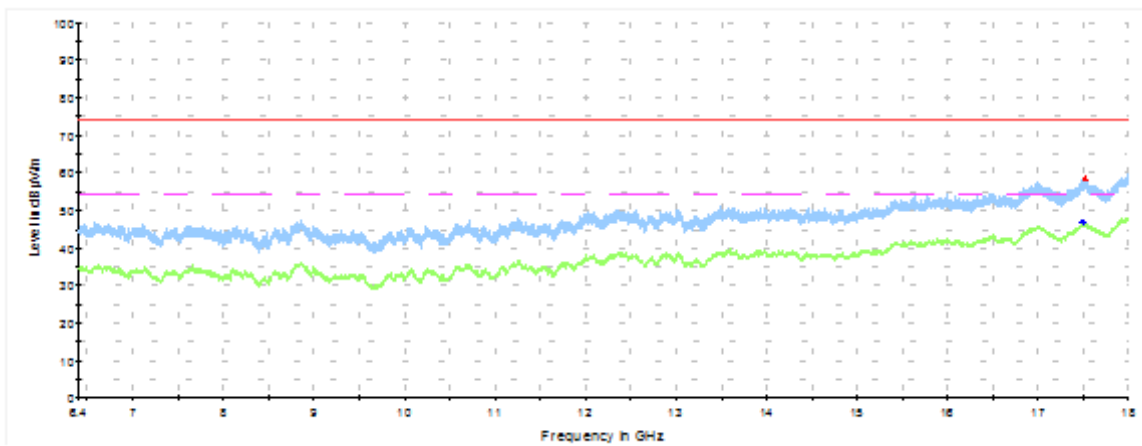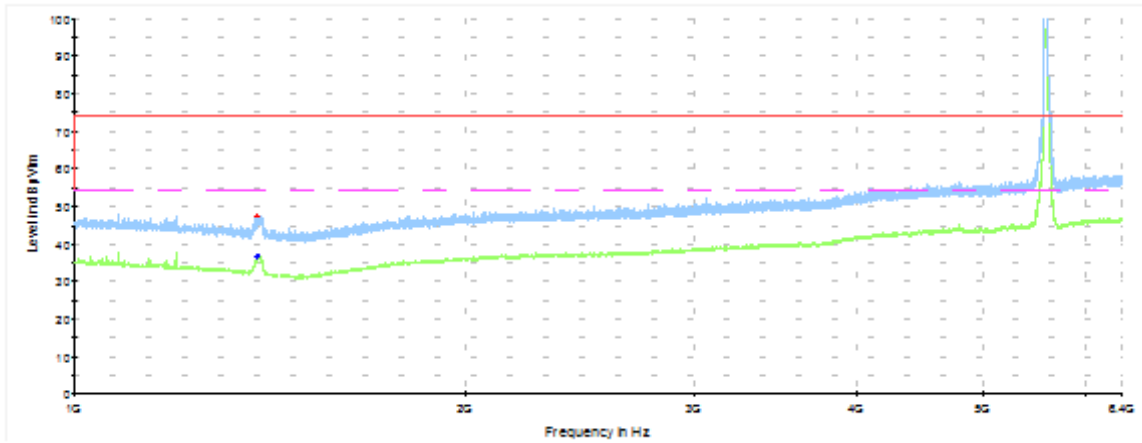
| | Peak measurements | | Avg measurements | | Limit FCC Peak | | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1382	47.5	-	74	26.5
1382	-	36.9	54	17.1
17490	58.4	-	74	15.6
17516	-	46.9	54	7.1
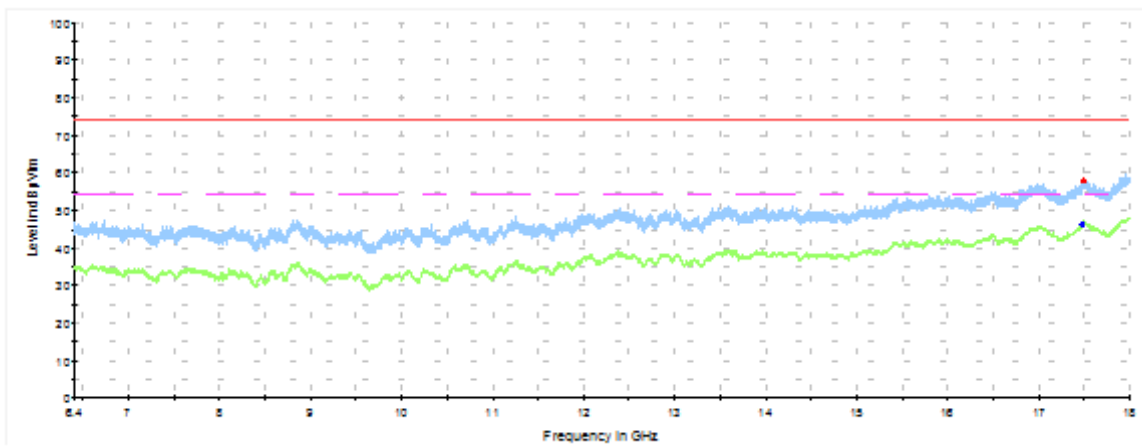
Radiated Spurious – CH134F

| | Peak measurements | | Avg measurements | | Limit FCC Peak | - - - - | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1456	48.1	-	74	25.9
1466	-	37.3	54	16.7
17488	57.8	-	74	16.2
17493	-	46.3	54	7.7

1 GHz – 18 GHz, 802.11ac80, HT0, Chain A

Radiated Spurious – CH106ac80
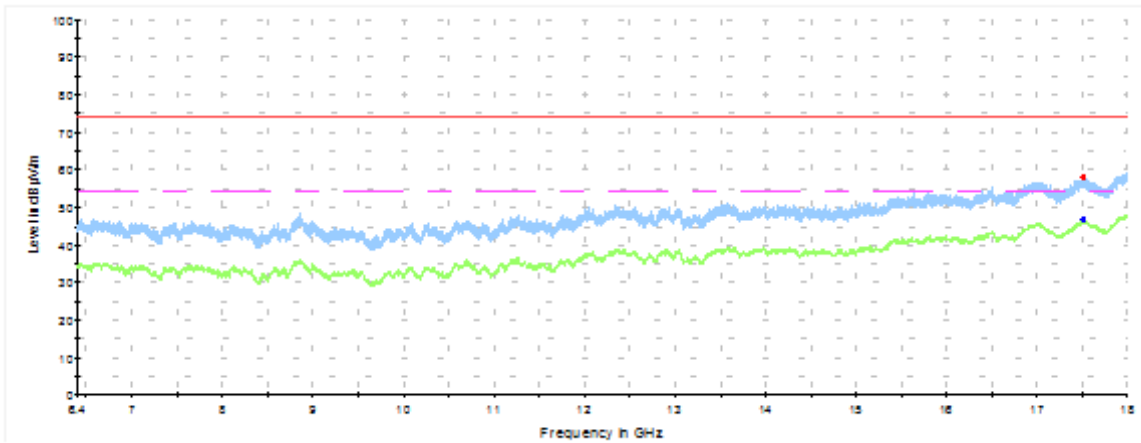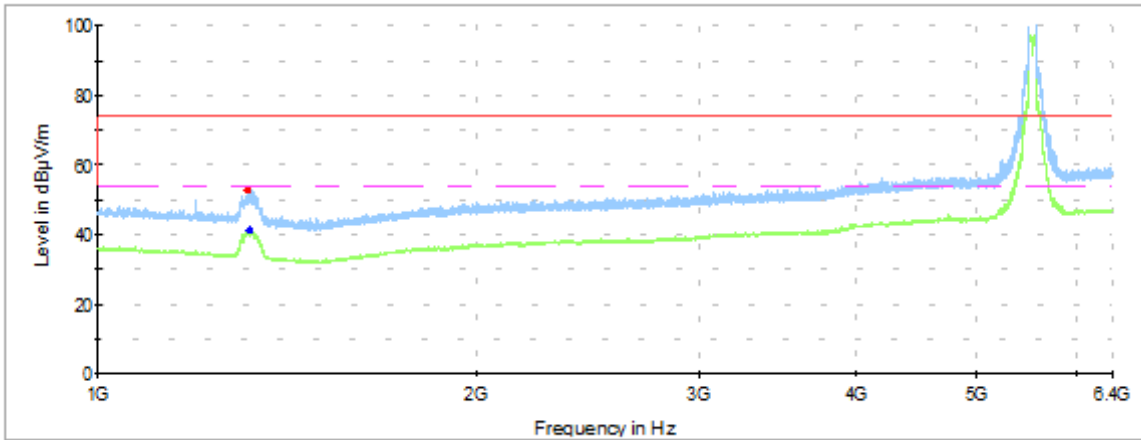
	Peak measurements		Avg measurements		Limit FCC Peak		Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1315	56.7	-	74	17.3
1315	-	38.3	54	15.7
17510	58.1	-	74	15.9
17516	-	46.9	54	7.1

Radiated Spurious – CH122ac80
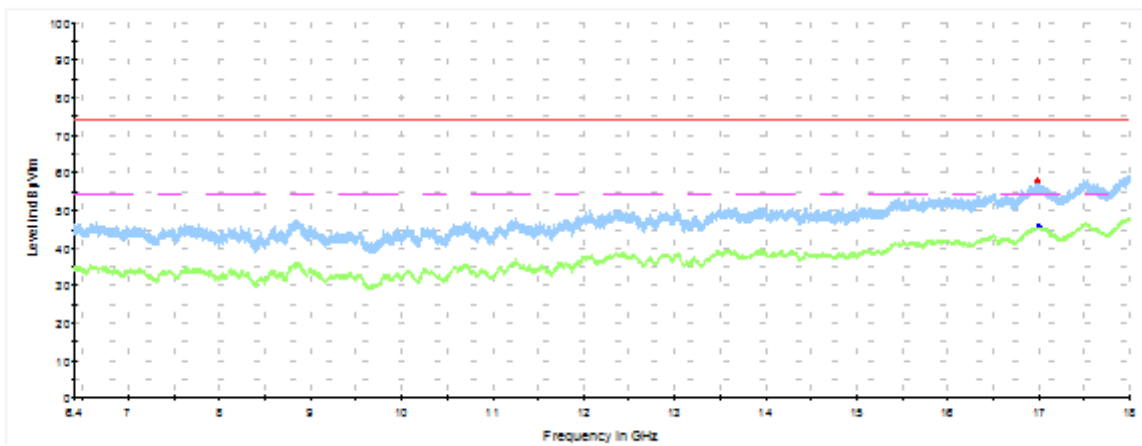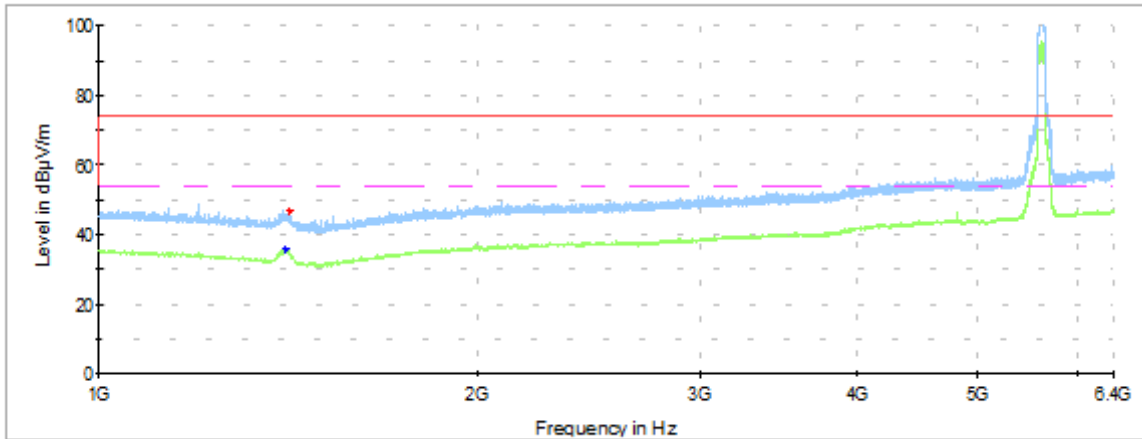
Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1408	50.0	-	74	24.0
1408	-	38.7	54	15.3
16983	57.8	-	74	16.2
17001	-	45.9	54	8.1
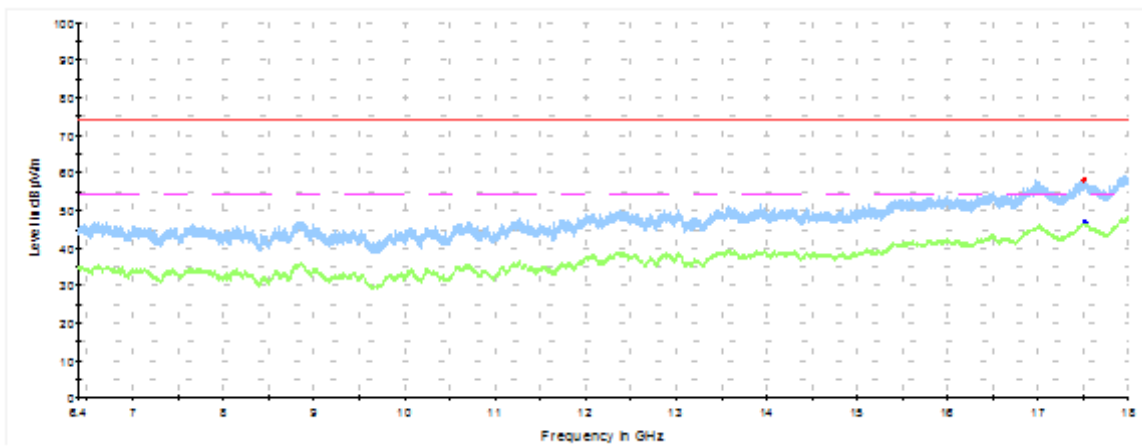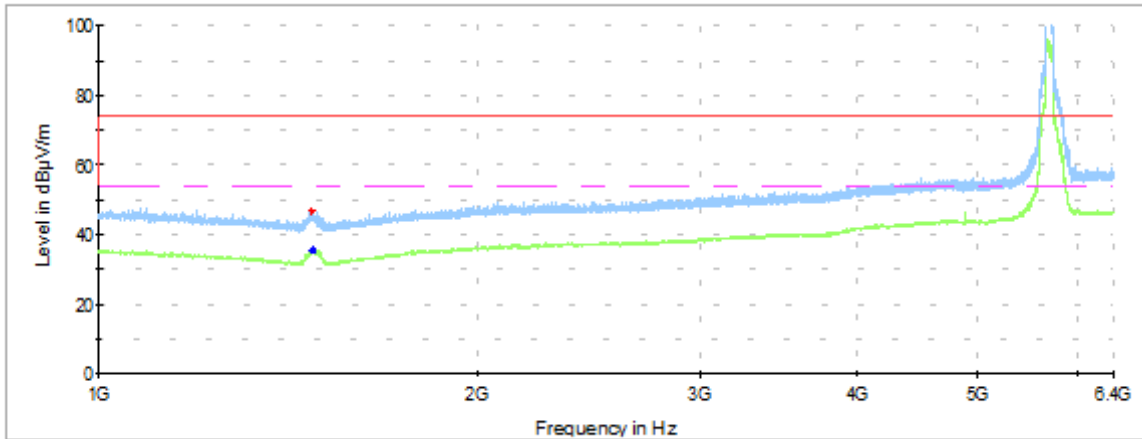
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Radiated Spurious – CH138ac80

| | Peak measurements | | Avg measurements | | Limit FCC Peak | | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1476	49.3	-	74	24.7
1476	-	38.0	54	16.0
17511	58.2	-	74	15.8
17519	-	47.1	54	6.9

1 GHz – 18 GHz, 802.11ac80, HT0, Chain B

Radiated Spurious – CH106ac80
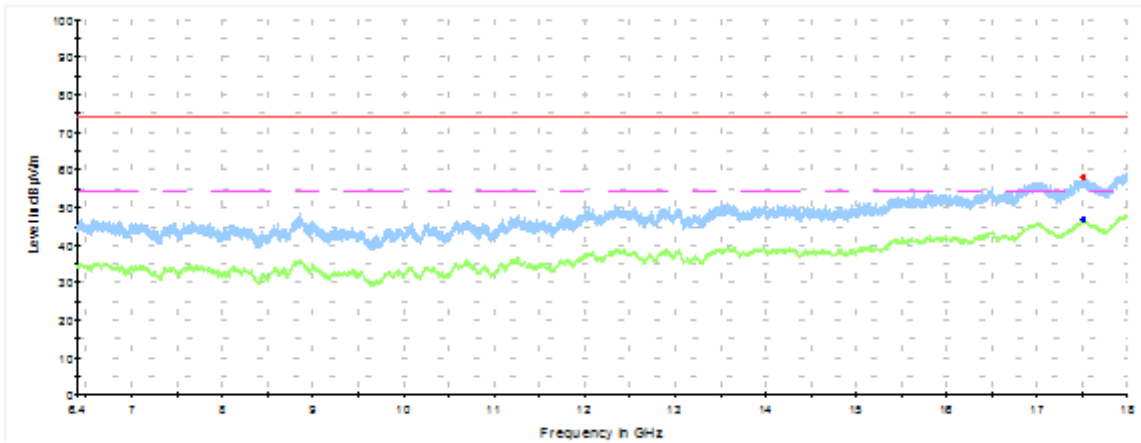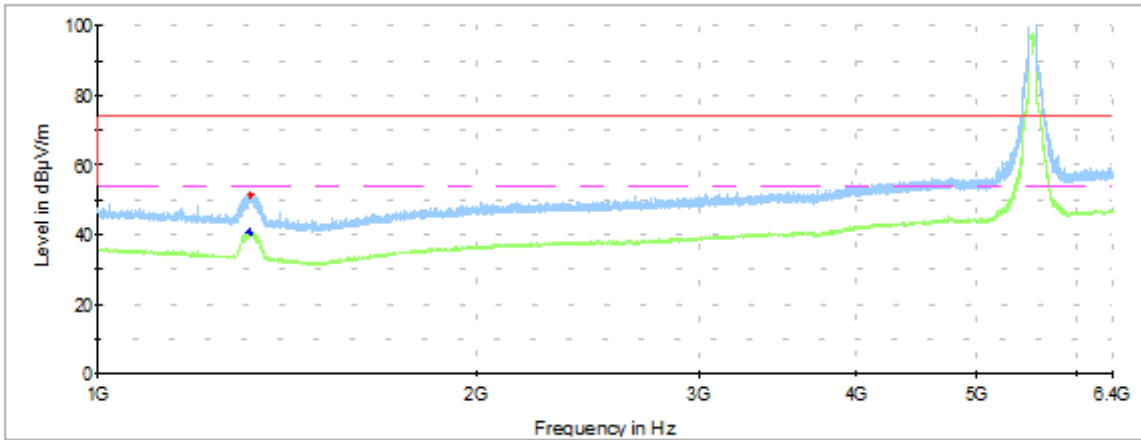
	Peak measurements		Avg measurements		Limit FCC Peak		Limit FCC Avg

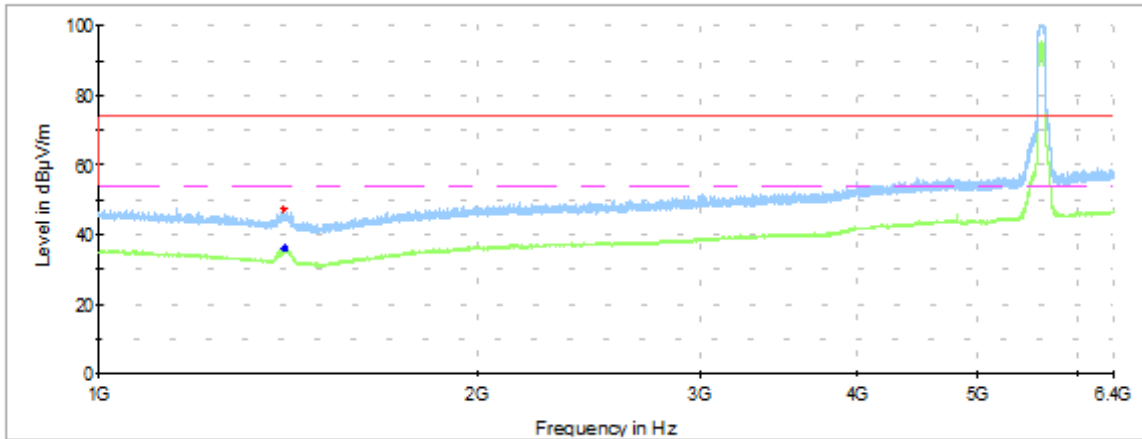| Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1320	53.6	-	74	20.4
1320	-	41.0	54	13.0
17510	58.2	-	74	15.8
17516	-	46.9	54	7.1
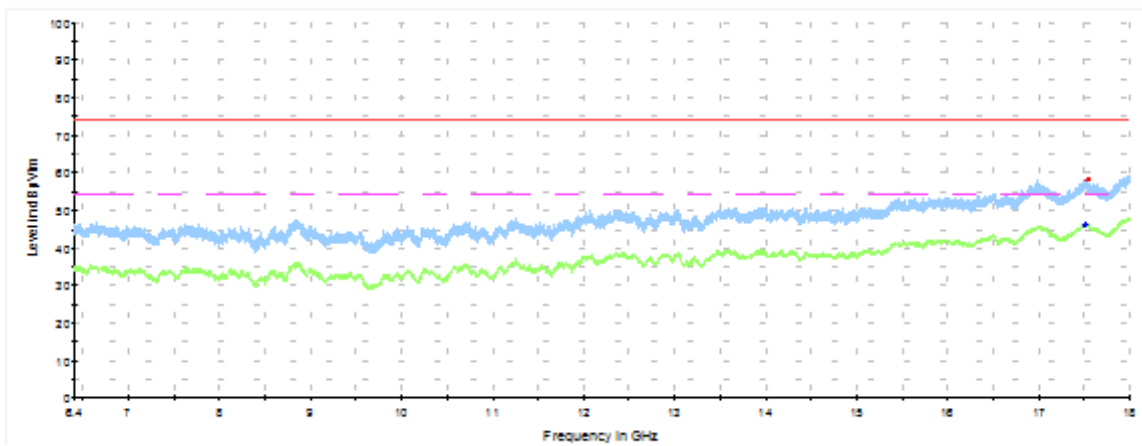
Radiated Spurious – CH122ac80

| — Peak measurements | — Avg measurements | — Limit FCC Peak | –·– Limit FCC Avg |

| Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1401	49.9	-	74	24.1
1405	-	37.8	54	16.2
17508	58.3	-	74	15.7
17538	-	46.3	54	7.7

Radiated Spurious – CH138ac80
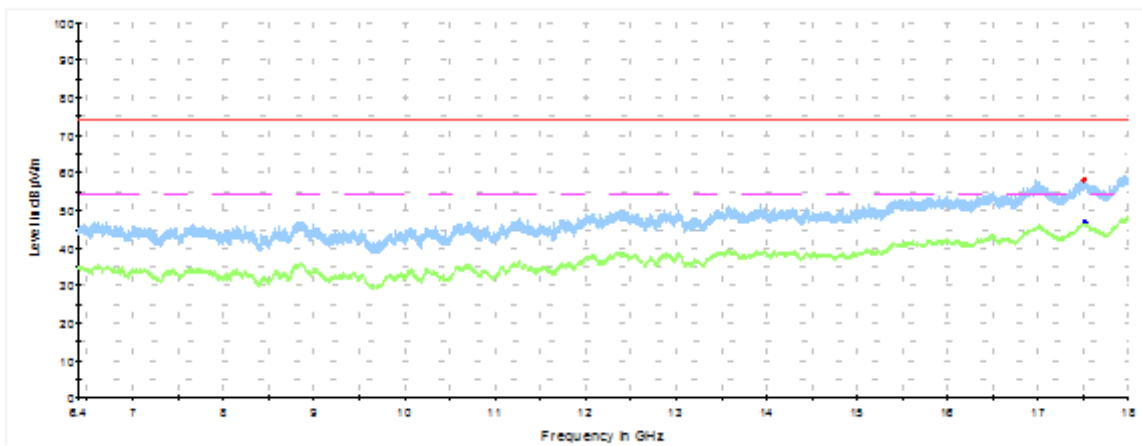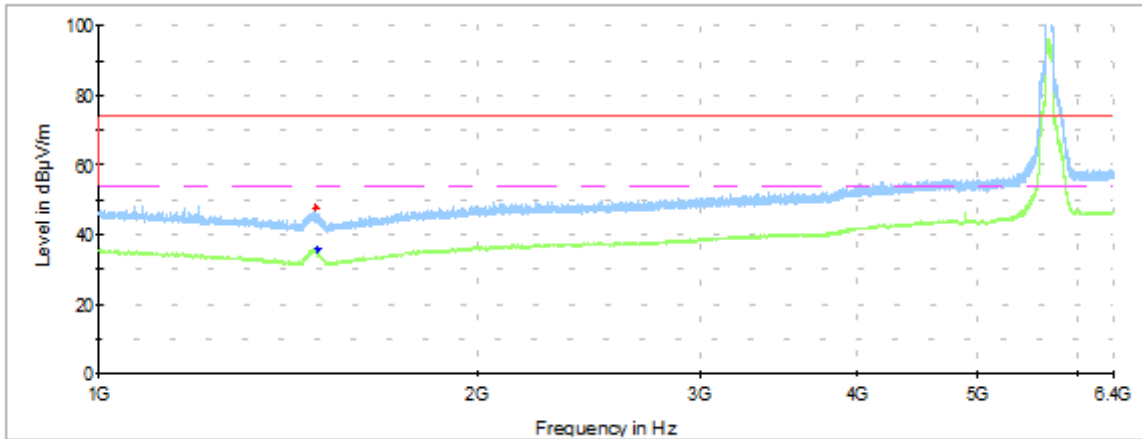
| Peak measurements | Avg measurements | Limit FCC Peak | · – · – Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1488	49.5	-	74	24.5
1491	-	36.2	54	17.8
17511	58.2	-	74	15.8
17519	-	47.0	54	7.0

1 GHz – 18 GHz, 802.11ac80, HT8, Chain A+B

Radiated Spurious – CH106ac80
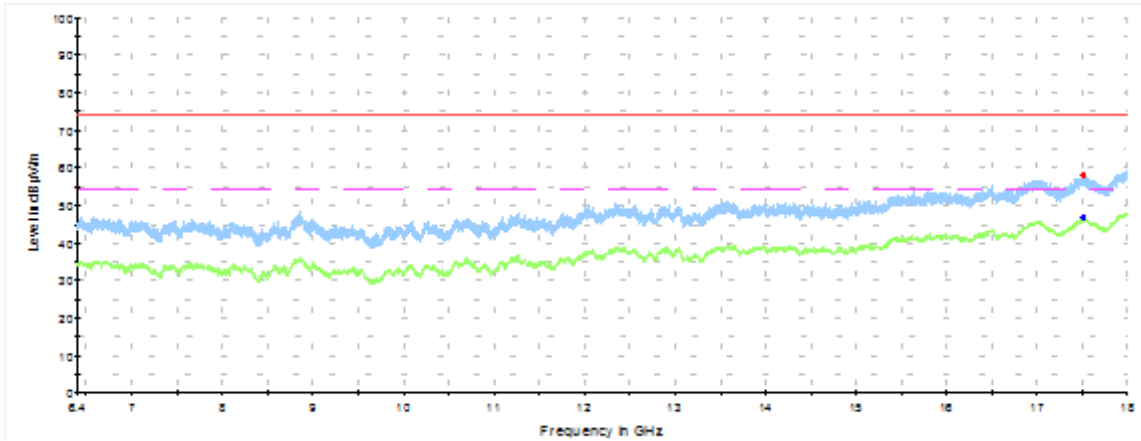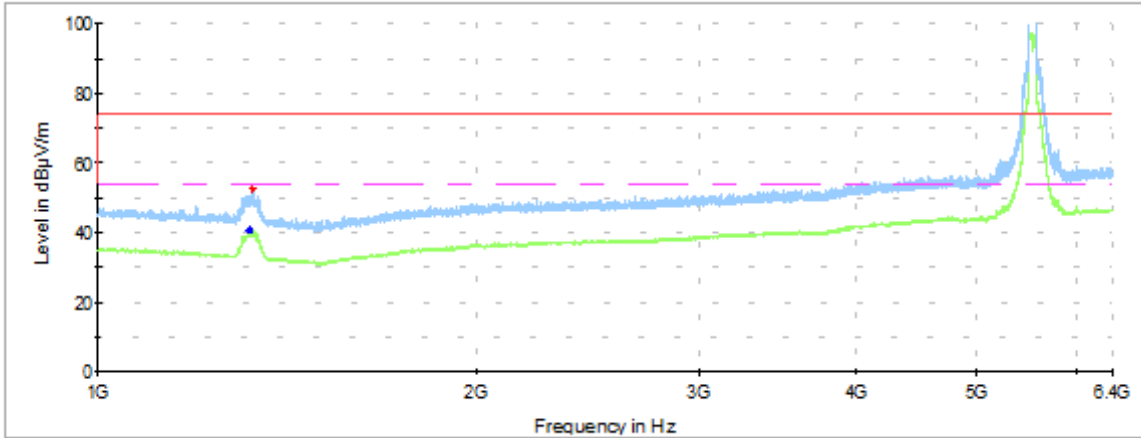
Peak measurements	Avg measurements	Limit FCC Peak	Limit FCC Avg	

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1325	53	-	74	21
1325	-	41.2	54	12.8
17510	58.2	-	74	15.8
17516	-	46.9	54	7.1
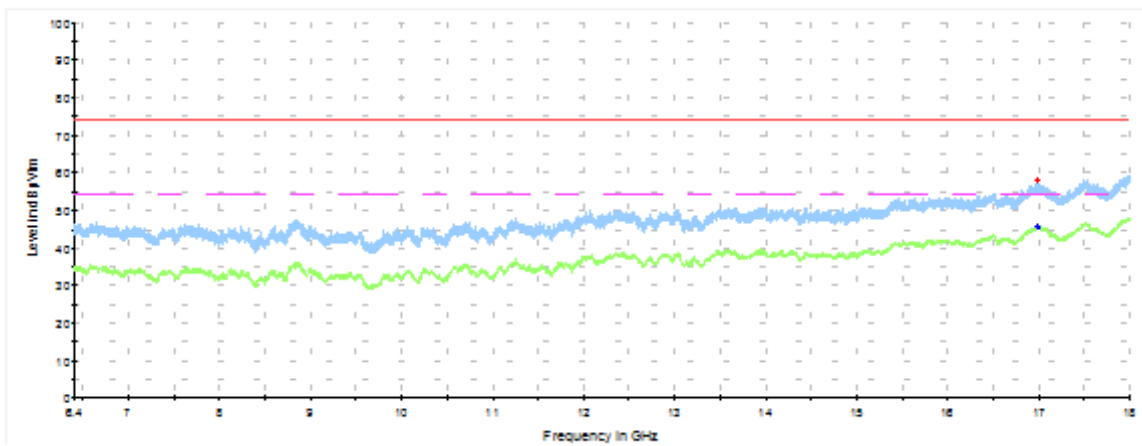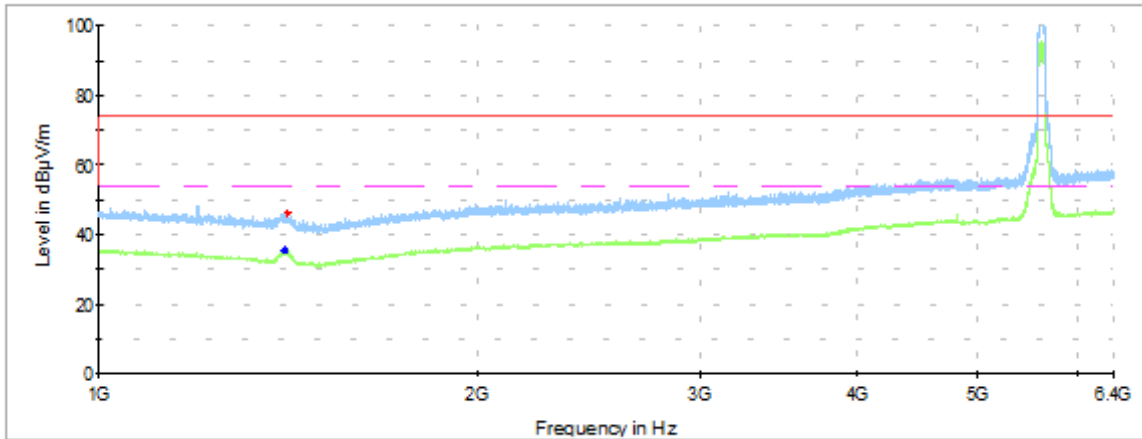
Radiated Spurious – CH122ac80

	Peak measurements		Avg measurements		Limit FCC Peak	— · —	Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1404	48.5	-	74	25.5
1404	-	37.2	54	16.8
16987	58.1	-	74	15.9
16991	-	45.6	54	8.4

Radiated Spurious – CH138ac80
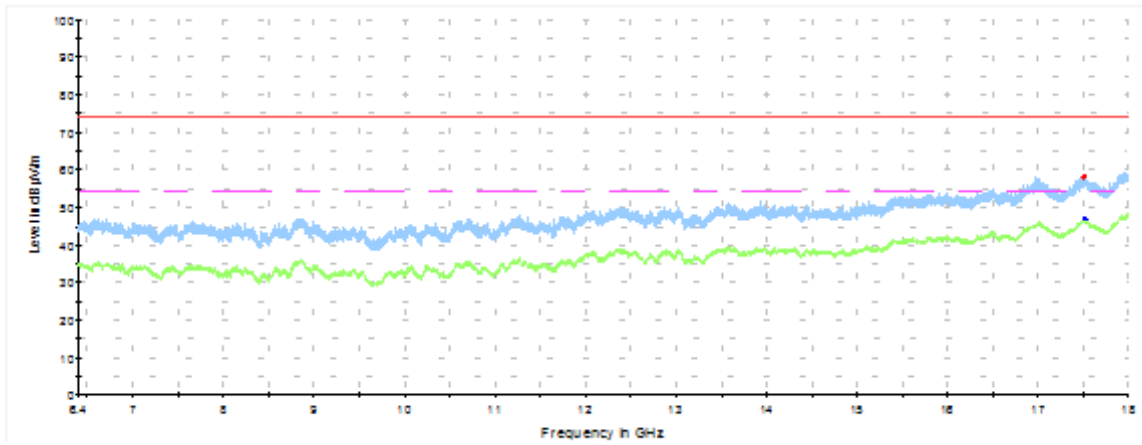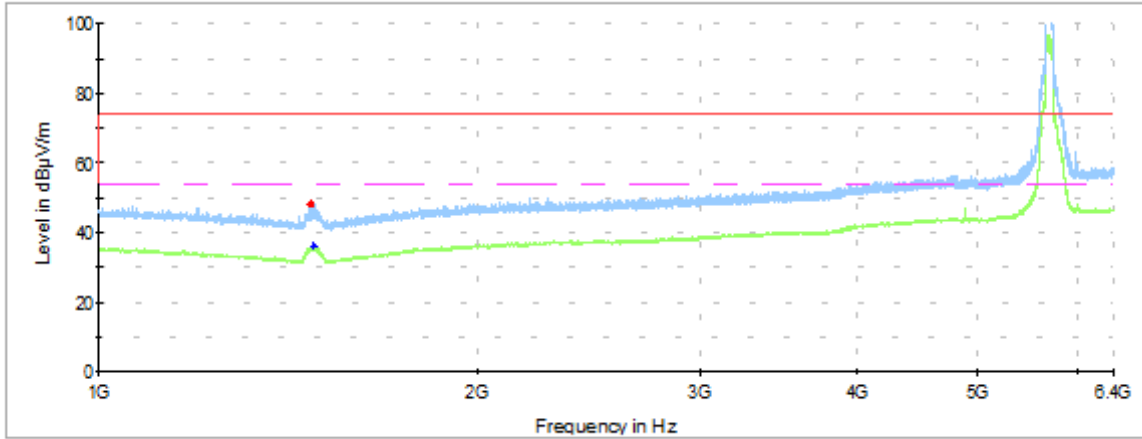
Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1474	49.6	-	74	24.4
1480	-	36.8	54	17.2
17511	58.2	-	74	15.8
17519	-	47.1	54	6.9

18GHz – 40GHz

Radiated Spurious – All modes
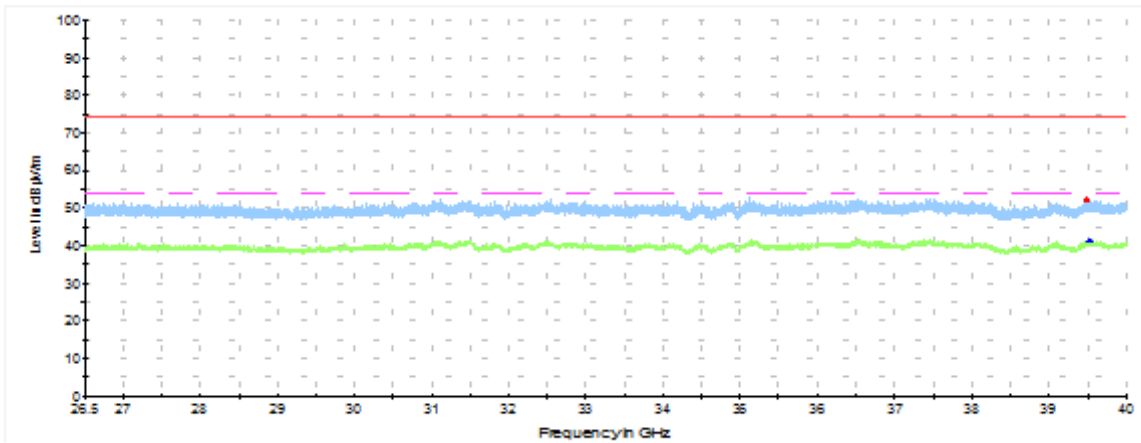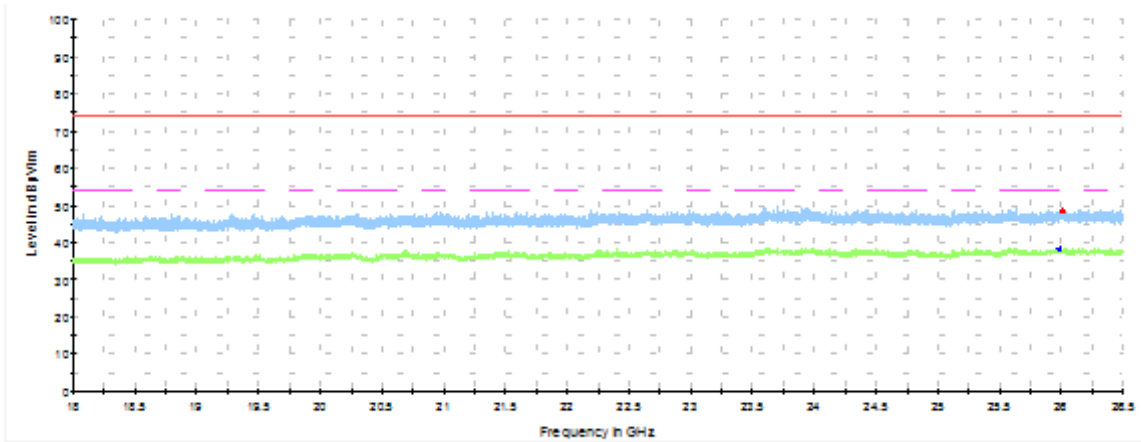
| Peak measurements | Avg measurements | Limit FCC Peak | Limit FCC Avg |

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
25986	48.4	-	74	25.6
26009	-	38.2	54	25.8
39498	52.1	-	74	21.9
39498	-	41.2	54	12.8

Note 1: The spurious signals detected do not depend on either the operating channel or the modulation mode.