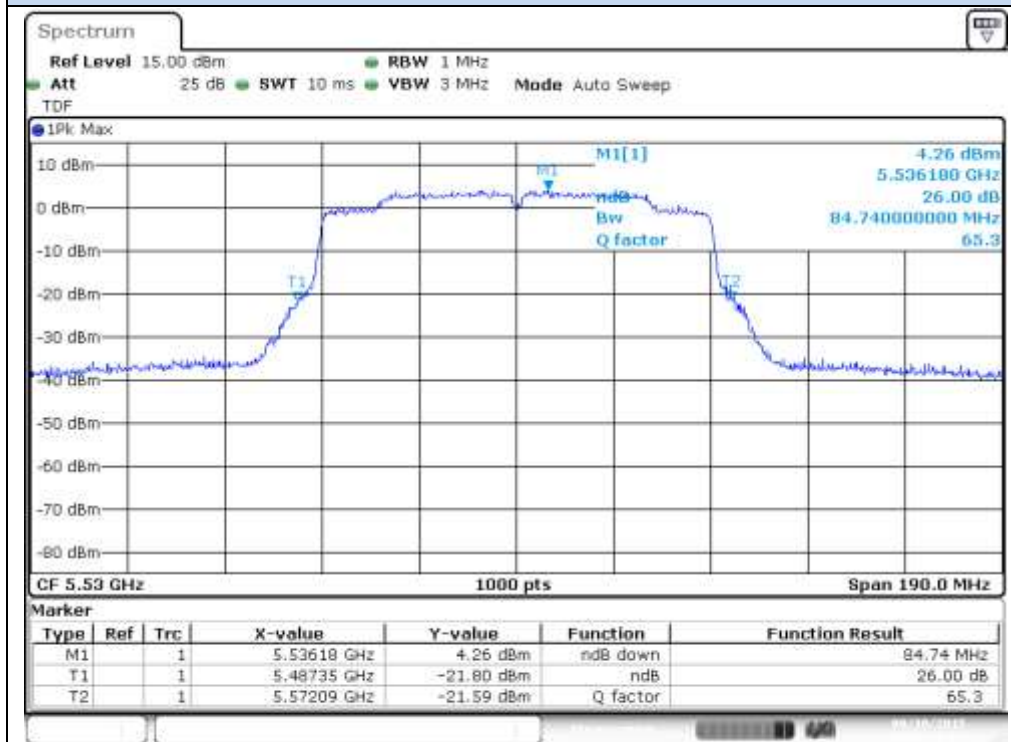


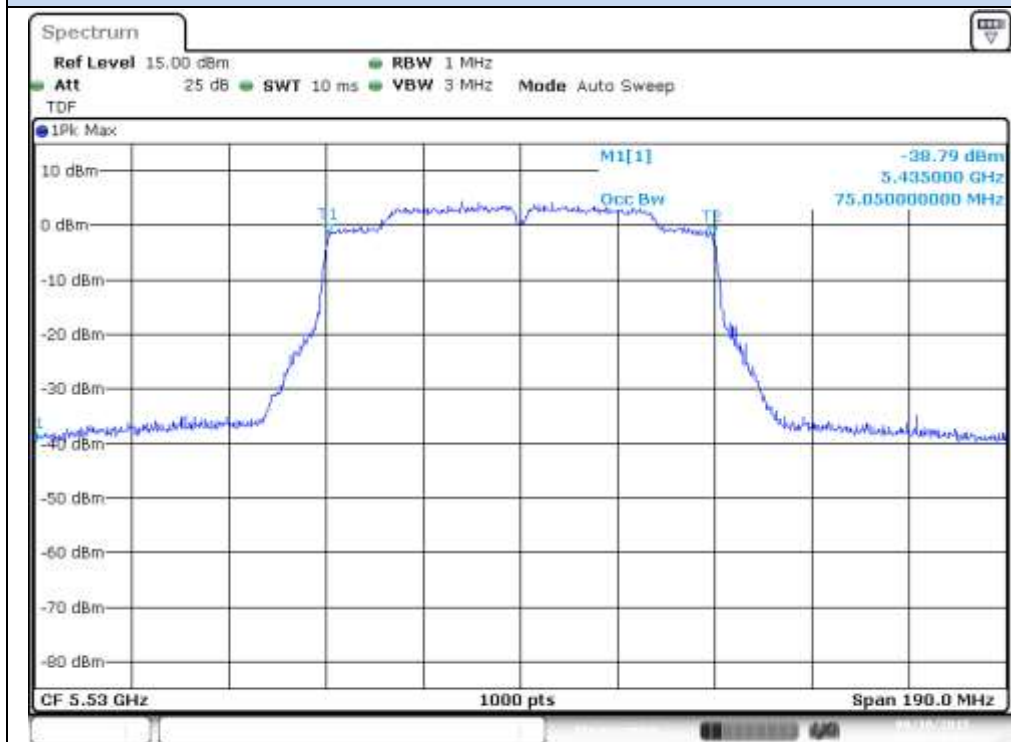
## 802.11ac80, VHT0 (MIMO) – Chain B

### 26dB BW – CH106ac80

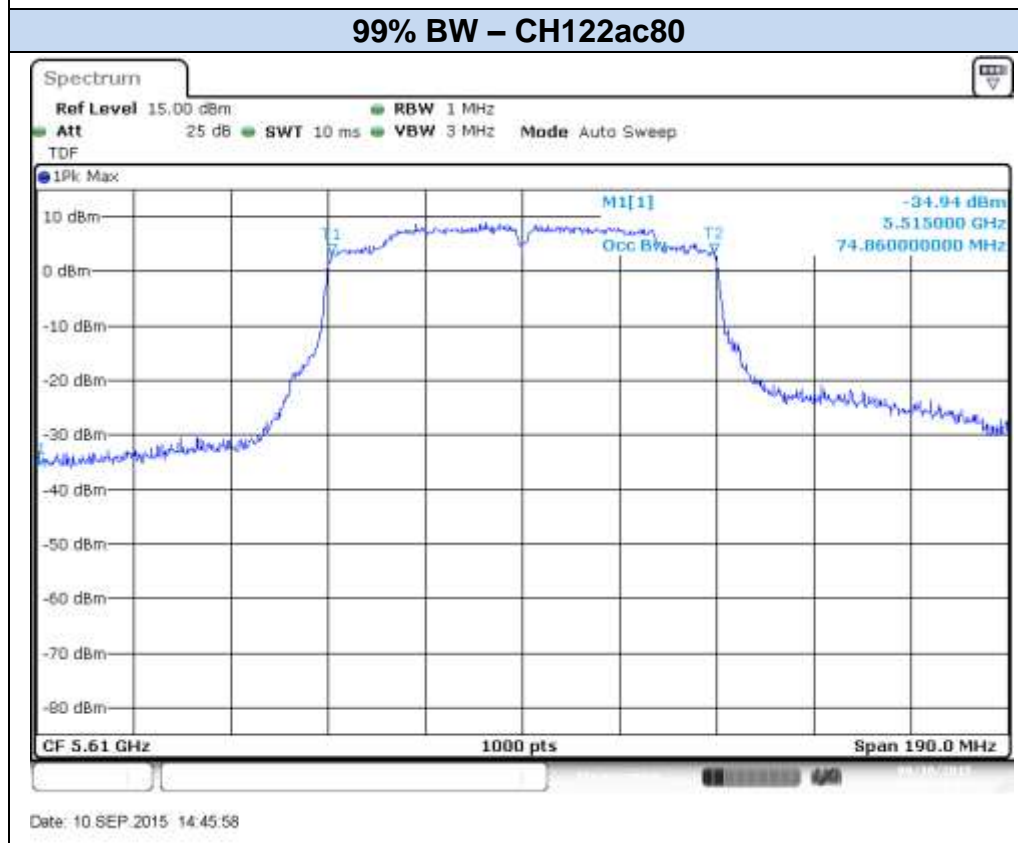
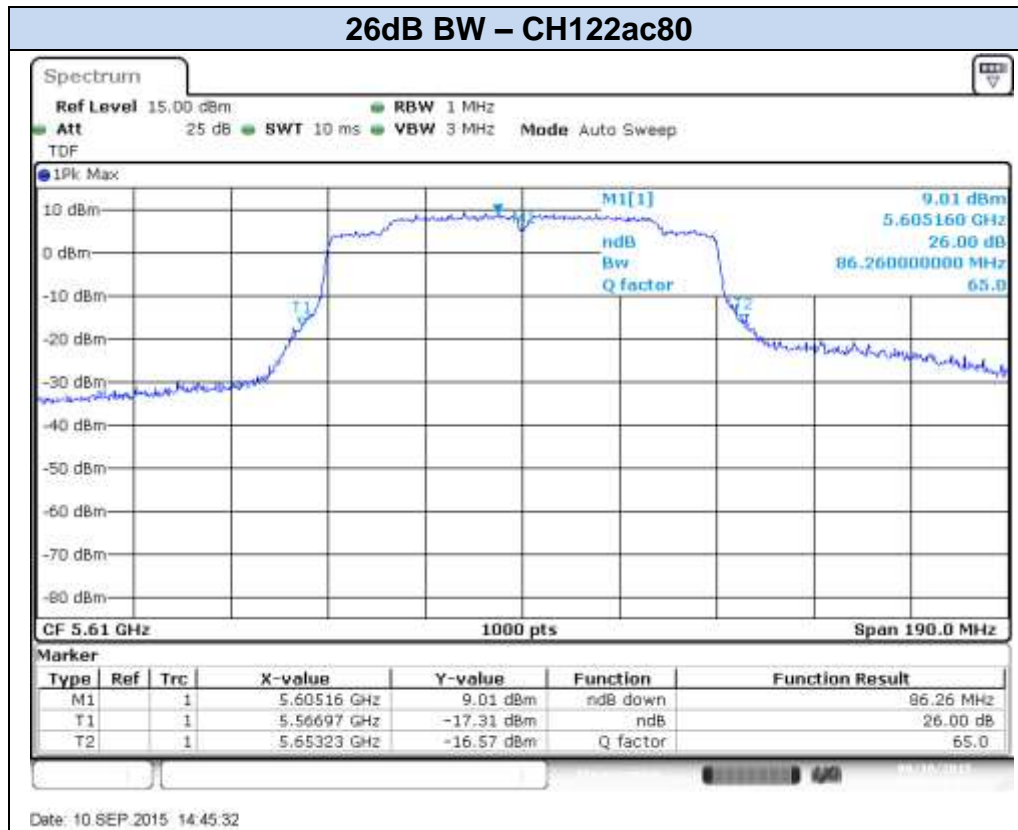


Date: 10 SEP 2015 14:36:25

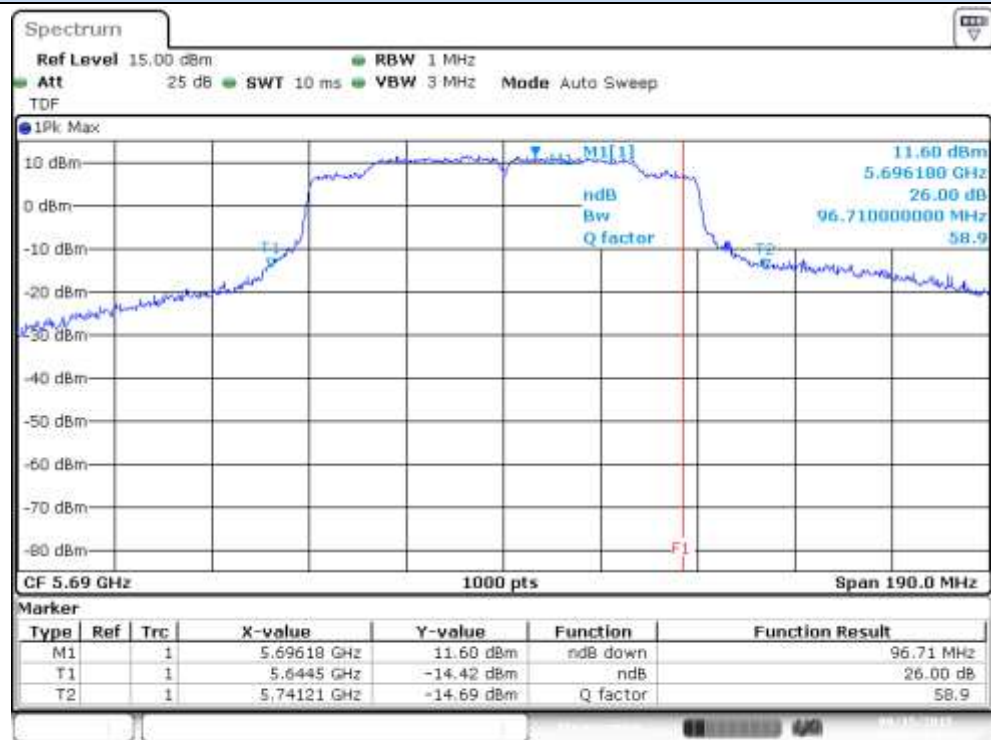
### 99% BW – CH106ac80



Date: 10 SEP 2015 14:36:51

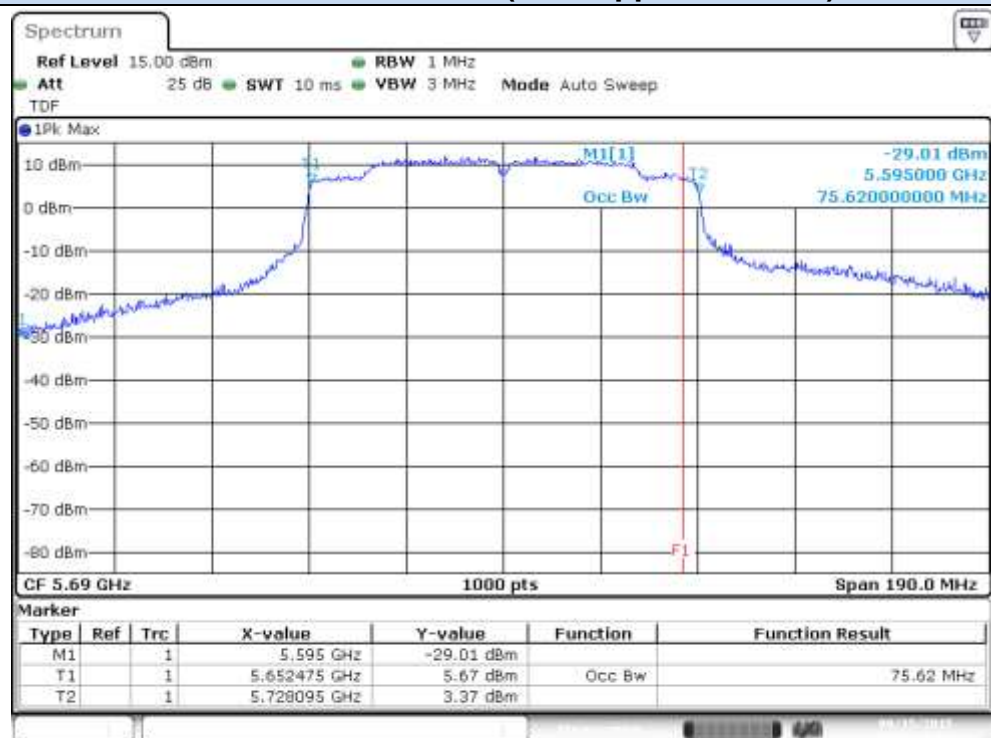


### 26dB BW – CH138ac80 (Overlapped Channel)



Date: 15 SEP.2015 14:58:22

### 99% BW – CH138ac80 (Overlapped Channel)



Date: 15 SEP.2015 14:58:37

## D.2 Power Limits. Maximum Output power & Peak power spectral density

### Test limits:

FCC part	RSS Part	Limits
15.407 (a) (2)	RSS-247 Clause 6.2.3 (1)	For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band.

### Test procedure:

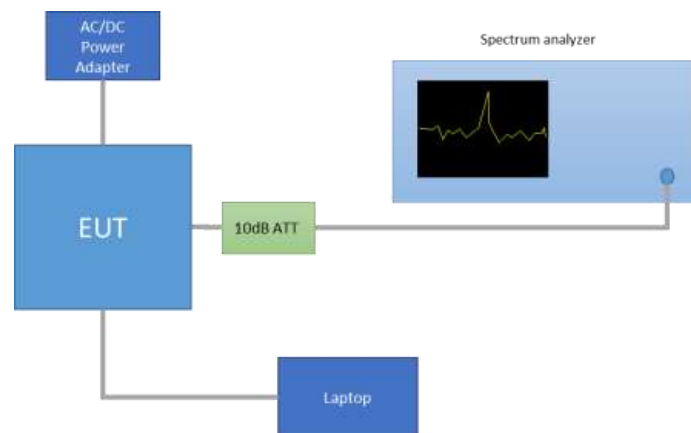
The Maximum Conducted Output Power was measured using the channel integration method according to point E) 2) e) (Method SA-2 Alternative) of Guidance 789033 D01.

The maximum power spectral density (PSD) was measured using the method according to point F) (Method SA-2 Alternative) of Guidance 789033 D01.

In the measure-and-sum approach for MIMO mode, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically in linear power units to determine the total emission level from the device.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.

The setup below was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.



The declared maximum antenna gain is 5dBi.

For the overlapped channels between U-NII-2C and U-NII-3, and according to FCC KDB 644545 D03, the power is computed based on the portion of the emission bandwidth contained within that band. This rule is only applicable for those channels marked as overlapped.

### Results tables:

Mode	Rate	Meas. Duty Cycle [%]	CH	Freq. [MHz]	Antenna	Power [dBm]			
						Meas. Cond RMS	Duty cycle Compensated	EIRP	PSD Duty cycle Compensated
802.11a	6Mbps	97.8	100	5500	SISO CHAIN A	18.50	18.60	23.60	7.66
					SISO CHAIN B	17.40	17.50	22.50	6.53
			120	5600	SISO CHAIN A	21.14	21.24	26.24	10.23
					SISO CHAIN B	21.13	21.23	26.23	10.21
			140	5700	SISO CHAIN A	15.04	15.14	20.14	4.20
					SISO CHAIN B	15.35	15.45	20.45	4.52
802.11n20	HT0	97.9	100	5500	SISO CHAIN A	18.45	18.54	23.54	7.42
					SISO CHAIN B	17.01	17.10	22.10	5.98
			120	5600	SISO CHAIN A	21.11	21.20	26.20	10.00
					SISO CHAIN B	21.06	21.15	26.15	9.96
			140	5700	SISO CHAIN A	14.14	14.23	19.23	3.10
					SISO CHAIN B	14.72	14.81	19.81	3.71
			144*	5720	SISO CHAIN A	20.49	20.58	25.58	10.11
					SISO CHAIN B	20.39	20.48	25.48	10.03
	HT8	96.3	100	5500	MIMO CHAIN A	15.83	15.99	20.99	4.86
					MIMO CHAIN B	16.03	16.19	21.19	5.05
			120	5600	MIMO CHAIN A	18.13	18.29	23.29	7.15
					MIMO CHAIN B	18.08	18.24	23.24	7.12
			140	5700	MIMO CHAIN A	12.11	12.27	17.27	1.15
					MIMO CHAIN B	11.88	12.04	17.04	0.93
			144*	5720	MIMO CHAIN A	17.28	17.44	22.44	7.05
					MIMO CHAIN B	17.42	17.58	22.58	7.18
802.11n40	HT0	96.1	102F	5510	SISO CHAIN A	15.38	15.55	20.55	1.08
					SISO CHAIN B	15.86	16.03	21.03	1.57
			118F	5590	SISO CHAIN A	21.02	21.19	26.19	6.69
					SISO CHAIN B	21.08	21.25	26.25	6.75
			134F	5610	SISO CHAIN A	16.45	16.62	21.62	2.15
					SISO CHAIN B	15.98	16.15	21.15	1.67
			142F*	5670	SISO CHAIN A	20.77	20.94	25.94	6.74
					SISO CHAIN B	20.80	20.97	25.97	6.75
	HT8	93.4	102F	5510	MIMO CHAIN A	11.44	11.74	16.74	-2.67
					MIMO CHAIN B	13.56	13.86	18.86	-0.54
			118F	5590	MIMO CHAIN A	18.15	18.45	23.45	4.03
					MIMO CHAIN B	18.24	18.54	23.54	4.12
			134F	5610	MIMO CHAIN A	15.31	15.61	20.61	1.18
					MIMO CHAIN B	15.07	15.37	20.37	0.95
			142F*	5670	MIMO CHAIN A	17.65	17.95	22.95	3.80
					MIMO CHAIN B	17.82	18.12	23.12	3.99

Mode	Rate	Meas. Duty Cycle	CH	Freq. [MHz]	Antenna	Power [dBm]			
						Meas. Cond RMS	Duty cycle Compensated	EIRP	PSD Duty cycle Compensated
802.11ac80	VHT0	92.2	106ac80	5530	SISO CHAIN A	11.70	12.05	17.05	-5.11
					SISO CHAIN B	12.83	13.18	18.18	-4.01
			122ac80	5610	SISO CHAIN A	16.82	17.17	22.17	0.00
					SISO CHAIN B	16.48	16.83	21.83	-0.36
			138ac80*	5690	SISO CHAIN A	20.94	21.29	26.29	4.30
					SISO CHAIN B	20.98	21.33	26.33	4.28
	VHT0	88.4	106ac80	5530	MIMO CHAIN A	10.03	10.56	15.56	-6.52
					MIMO CHAIN B	10.72	11.25	16.25	-5.88
			122ac80	5610	MIMO CHAIN A	15.71	16.24	21.24	-0.80
					MIMO CHAIN B	15.63	16.16	21.16	-0.94
			138ac80*	5690	MIMO CHAIN A	18.10	18.63	23.63	1.74
					MIMO CHAIN B	17.98	18.51	23.51	1.54

Max Value

#### MIMO modes – Combined results

Mode	Rate	Channel	Frequency (MHz)	Antenna	Power [dBm]		
					Combined, Duty Cycle compensated	EIRP	Combined PSD
802.11n20	HT8	100	5500	MIMO CHAIN A + CHAIN B	19.11	24.11	7.97
		120	5600		21.28	26.28	10.15
		140	5700		15.17	20.17	4.06
		144*	5720		20.53	25.53	9.97
802.11n40	HT8	102F	5510		15.94	20.94	1.53
		118F	5590		21.50	26.50	7.08
		134F	5610		18.50	23.50	4.07
		142F*	5670		21.04	26.04	6.61
802.11ac80	VHT0	106ac80	5530		13.93	18.93	-3.17
		122ac80	5610		19.21	24.21	2.15
		138ac80*	5690		21.59	26.59	4.12

Max Value

\* Overlapped channels between U-NII-2C and U-NII-3



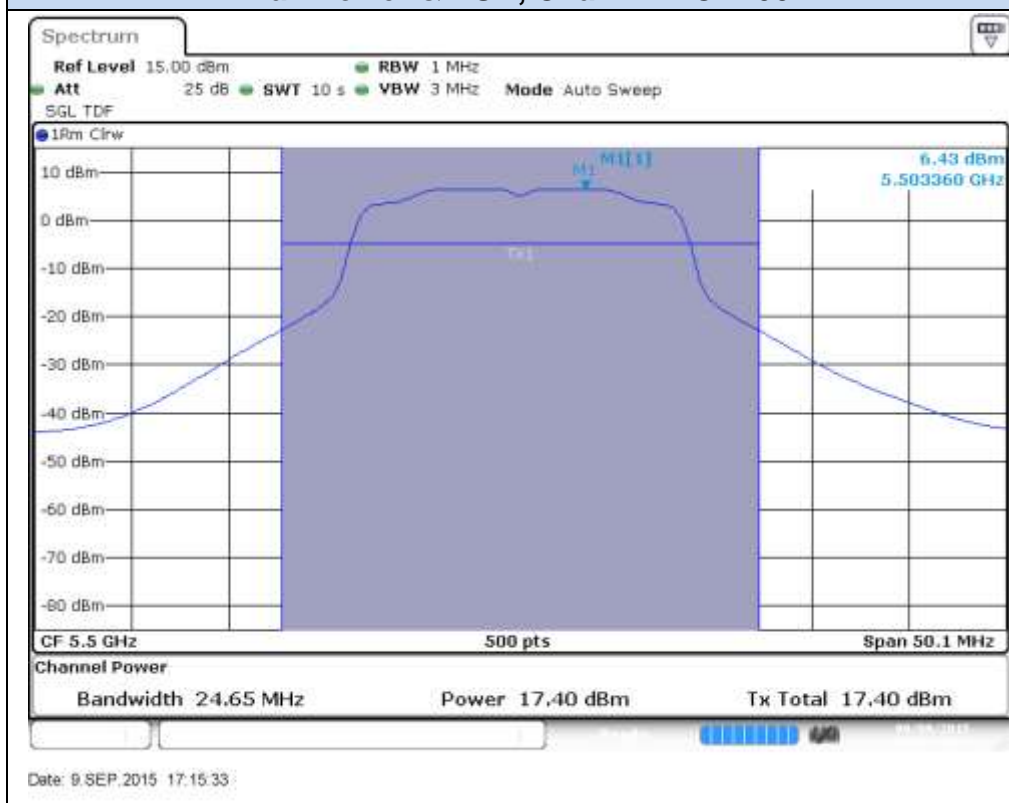
# Results screenshot:

## 802.11a, 6Mbps

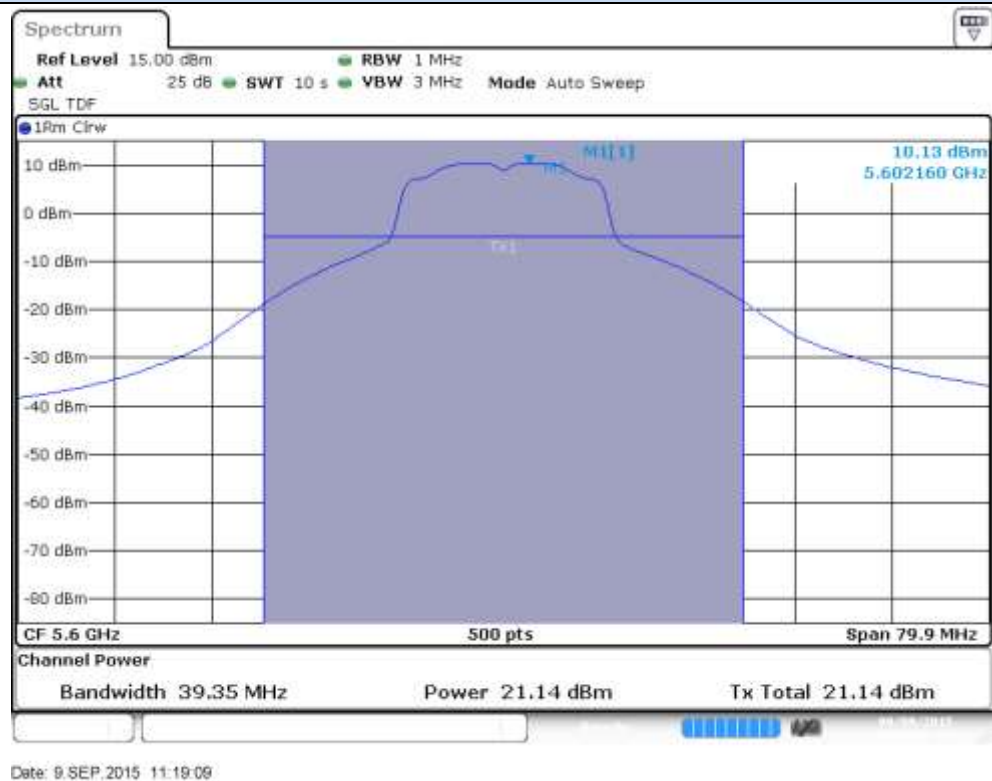
### Max Power & PSD, Chain A – CH100



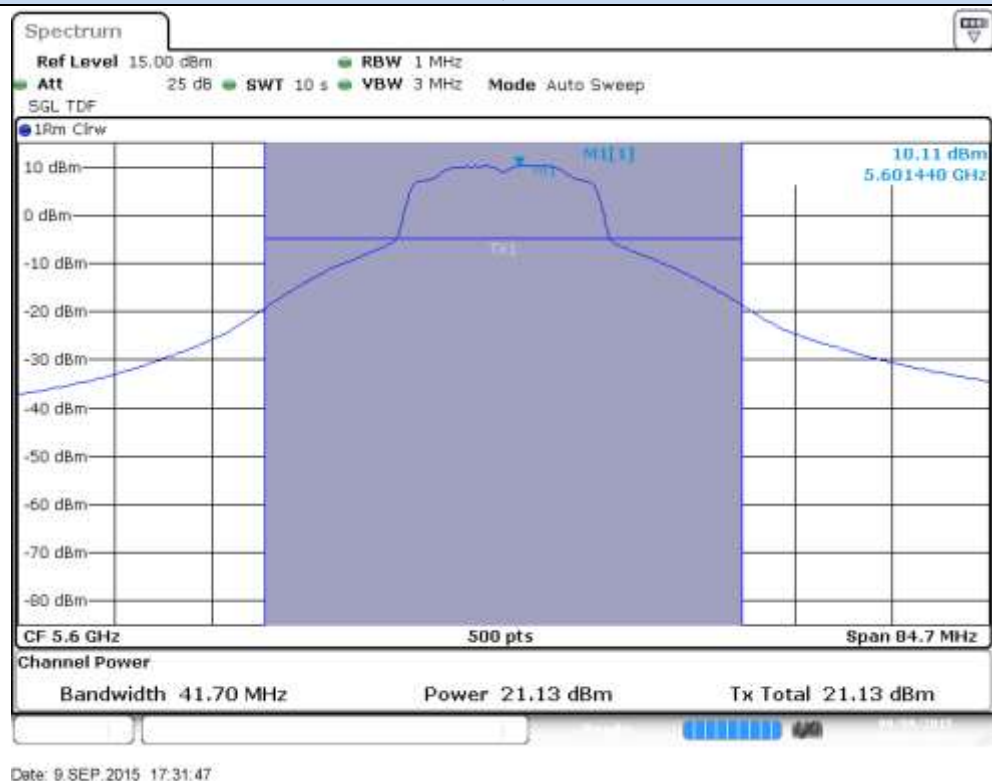
### Max Power & PSD, Chain B – CH100



### Max Power & PSD, Chain A – CH120

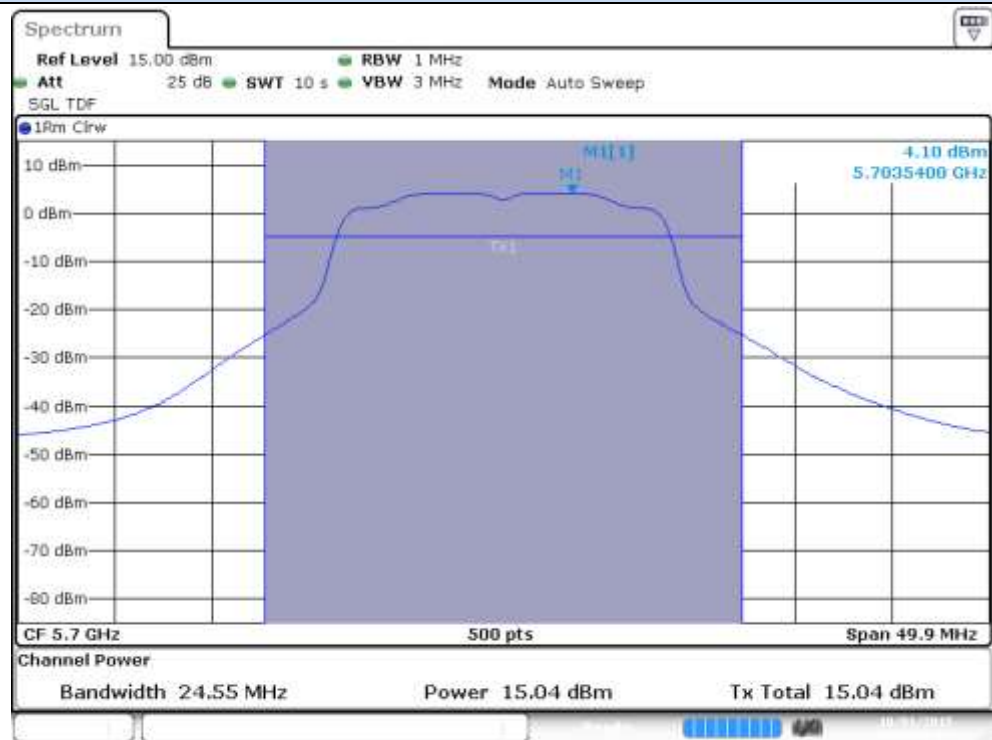


### Max Power & PSD, Chain B – CH120



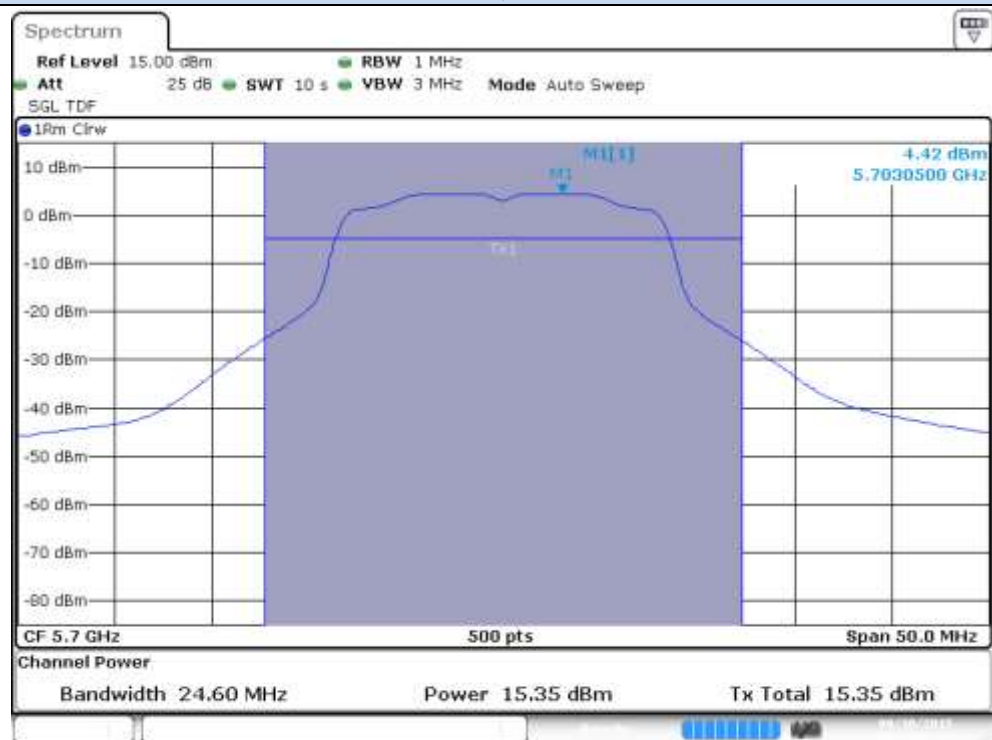


### Max Power & PSD, Chain A – CH140



Date: 1.OCT.2015 17:03:06

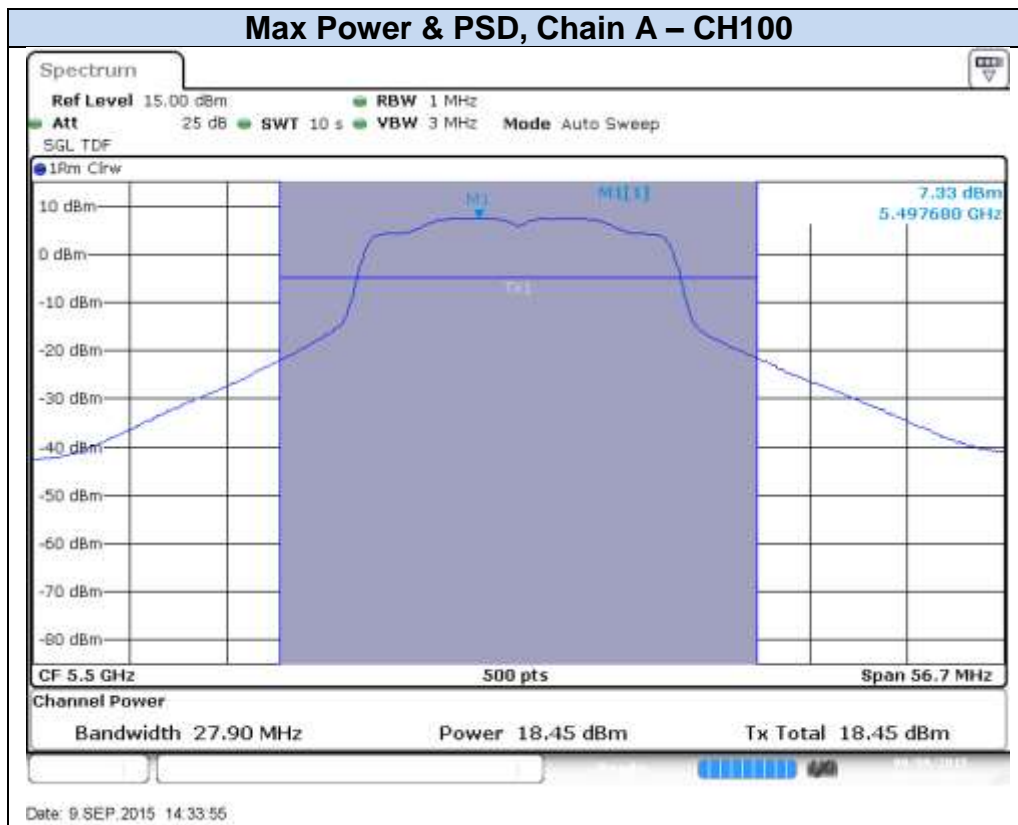
### Max Power & PSD, Chain B – CH140



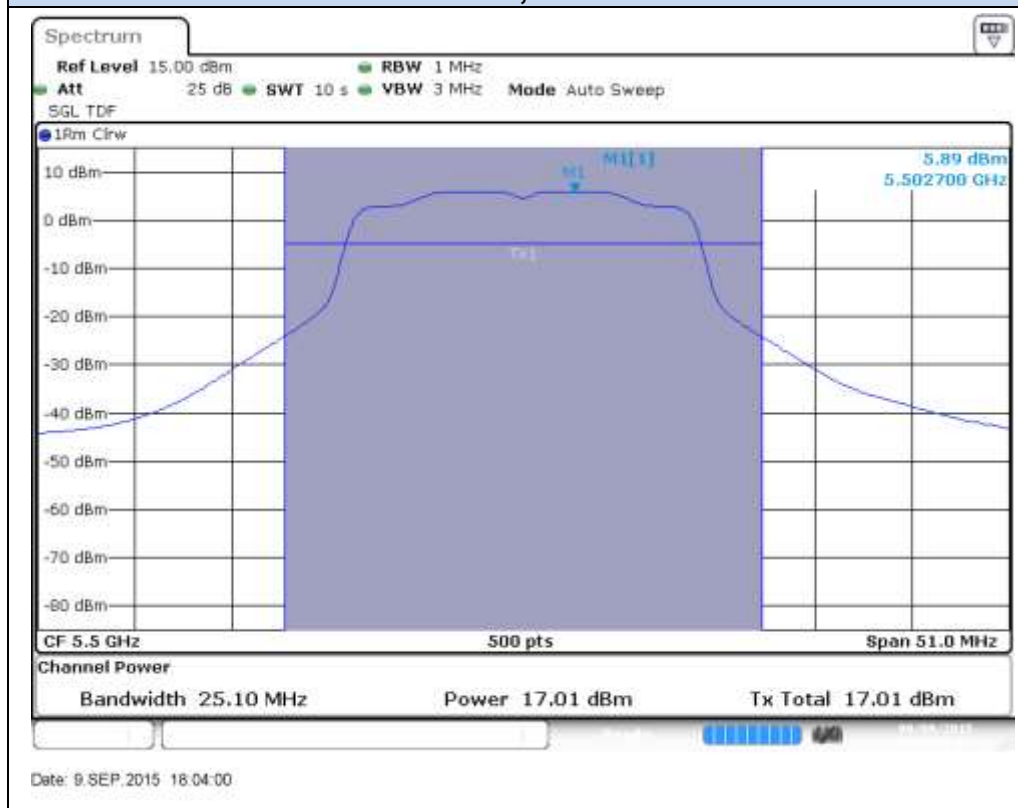
Date: 30.SEP.2015 11:41:09

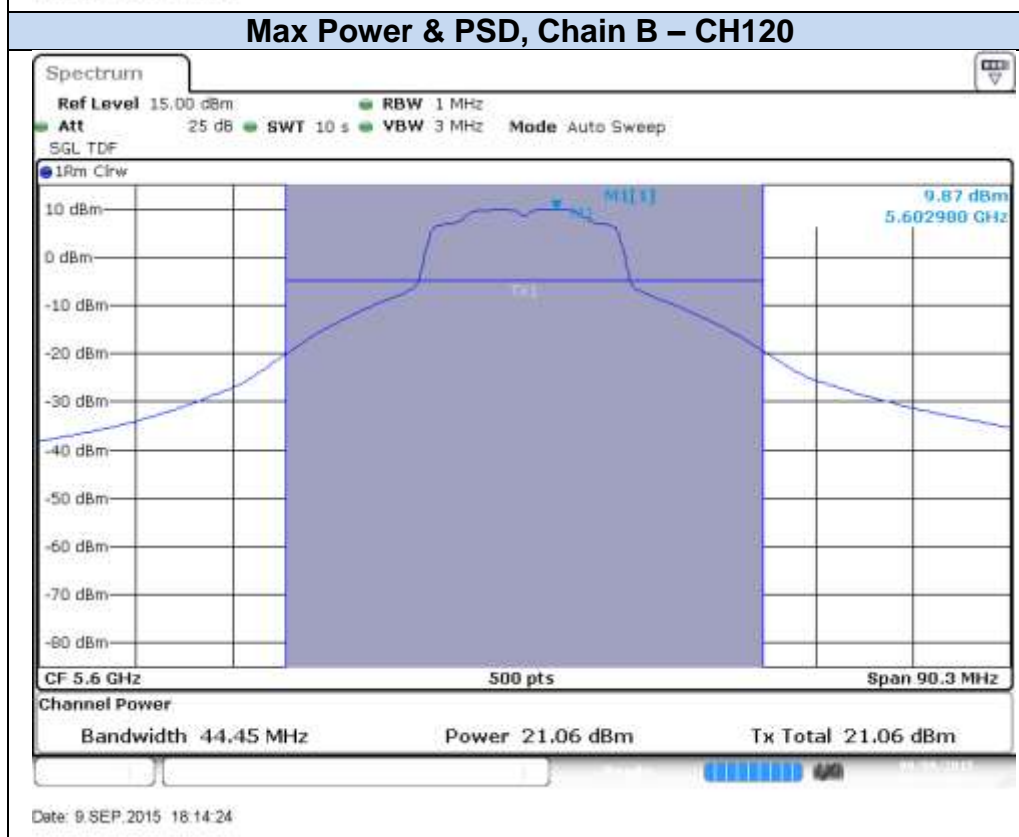
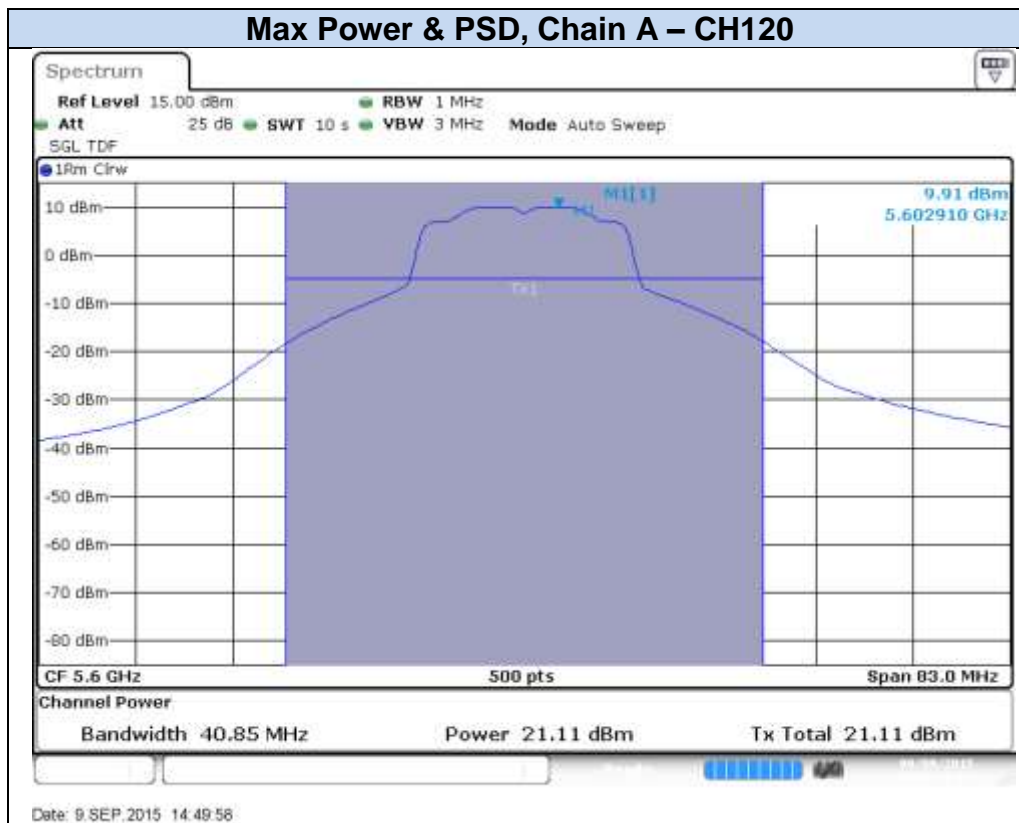
## 802.11n20, HT0 (SISO)

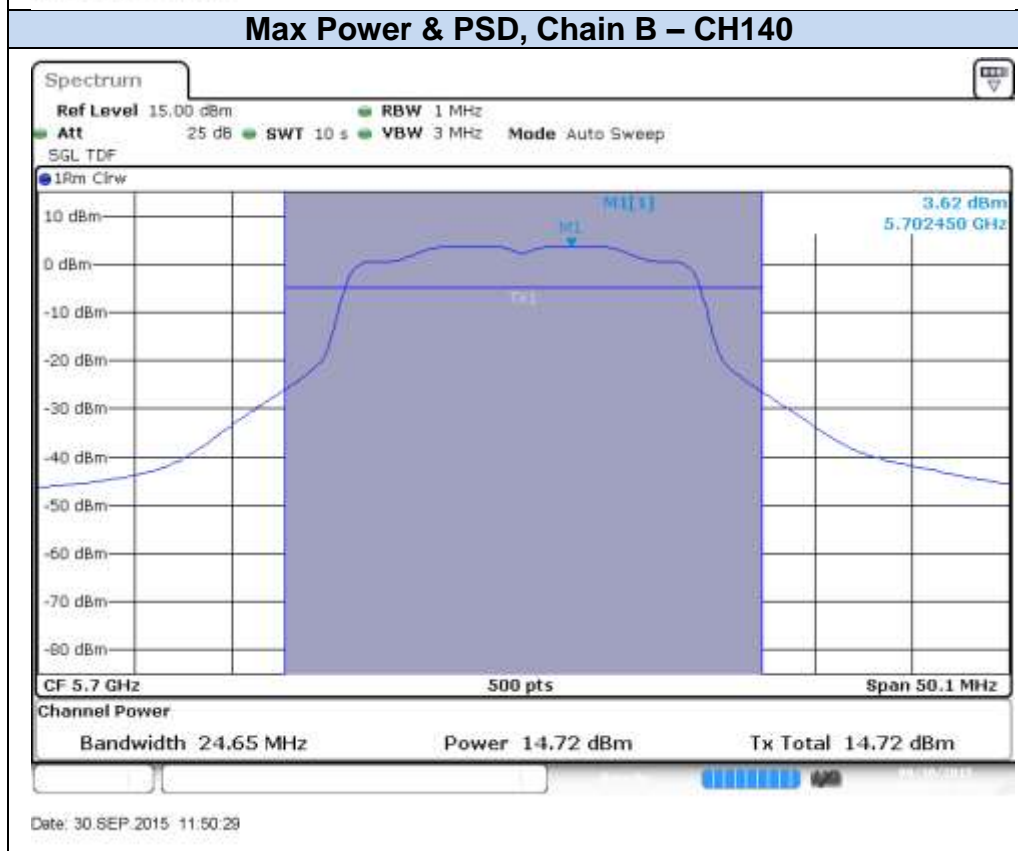
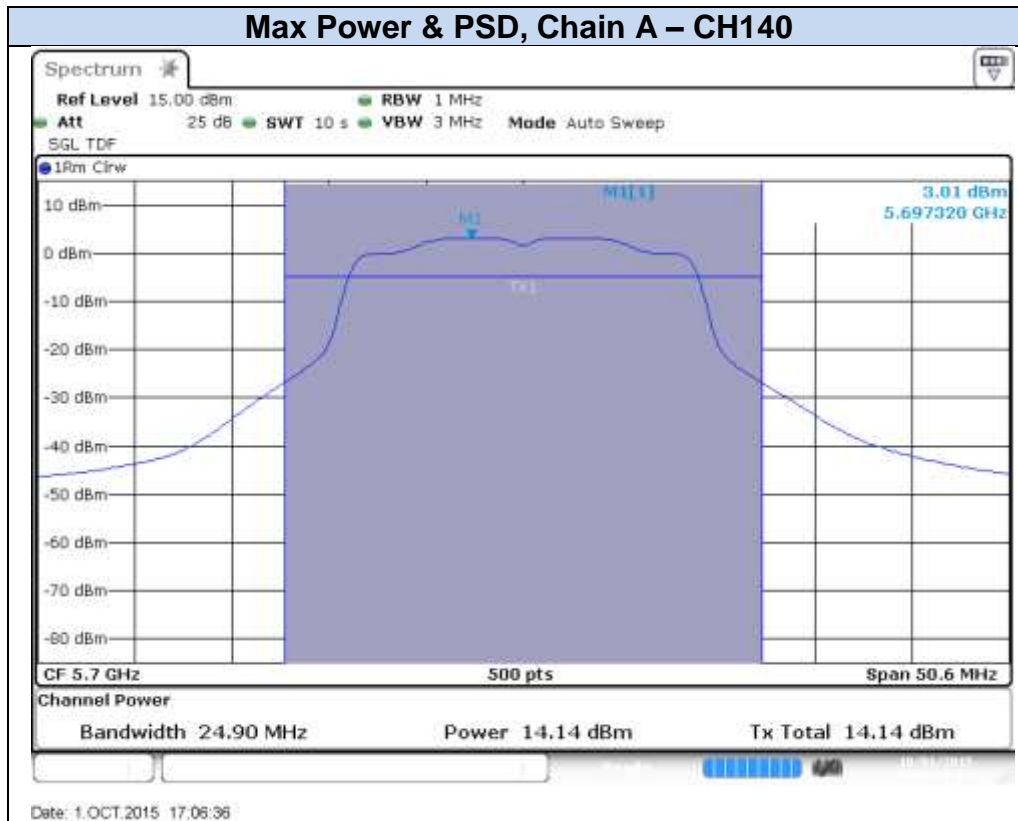
### Max Power & PSD, Chain A – CH100



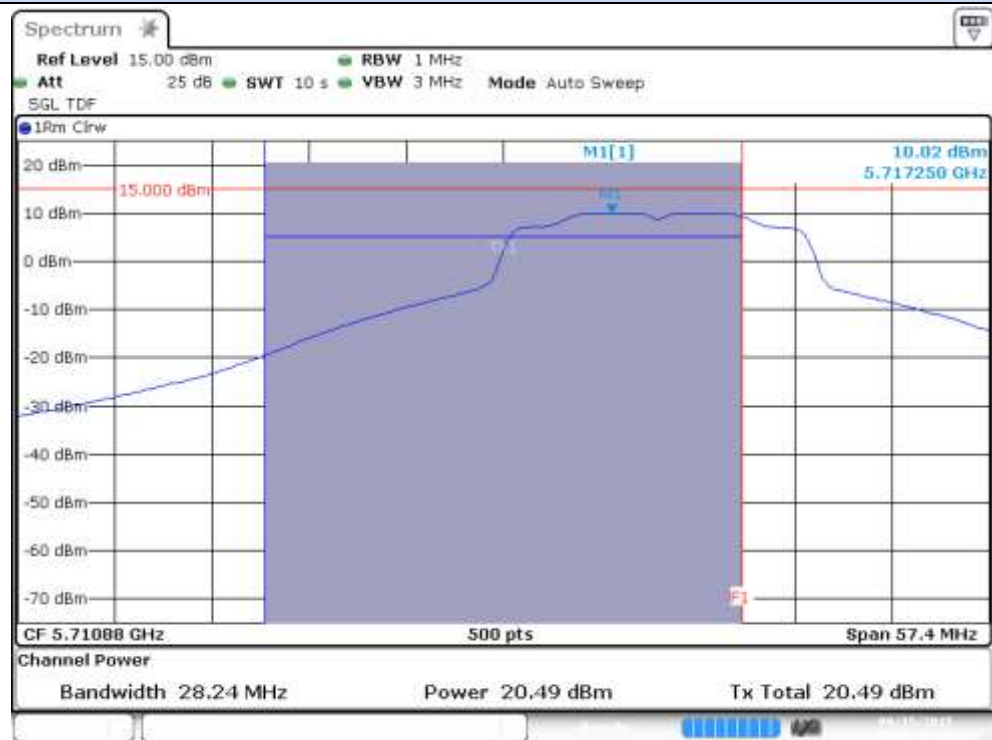
### Max Power & PSD, Chain B – CH100







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



Date: 15 SEP.2015 10:37:41

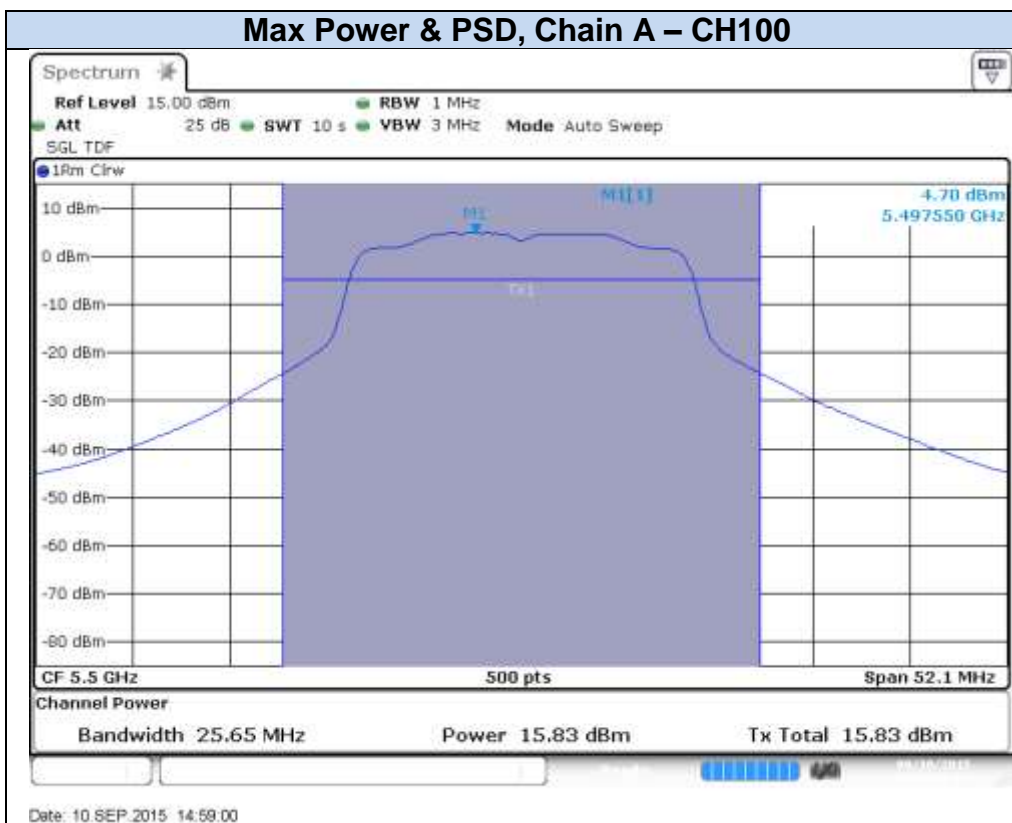
### Max Power & PSD, Chain B – CH144 (Overlapped Channel)



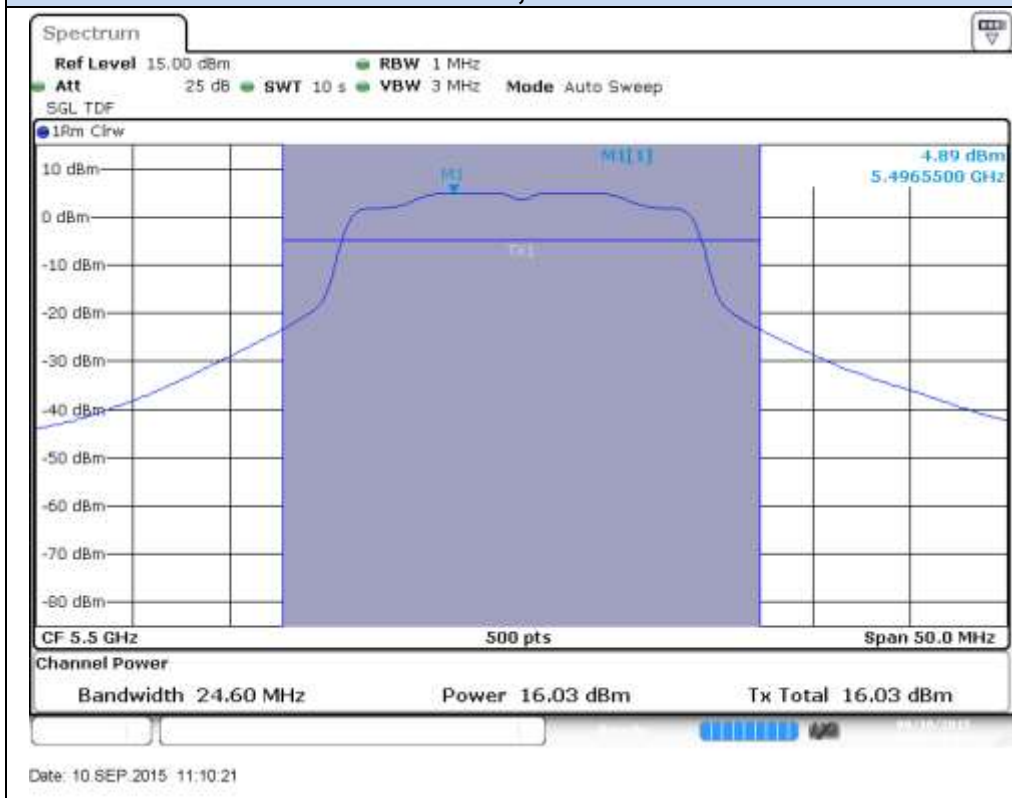
Date: 15 SEP.2015 14:21:26

## 802.11n20, HT8 (MIMO)

### Max Power & PSD, Chain A – CH100

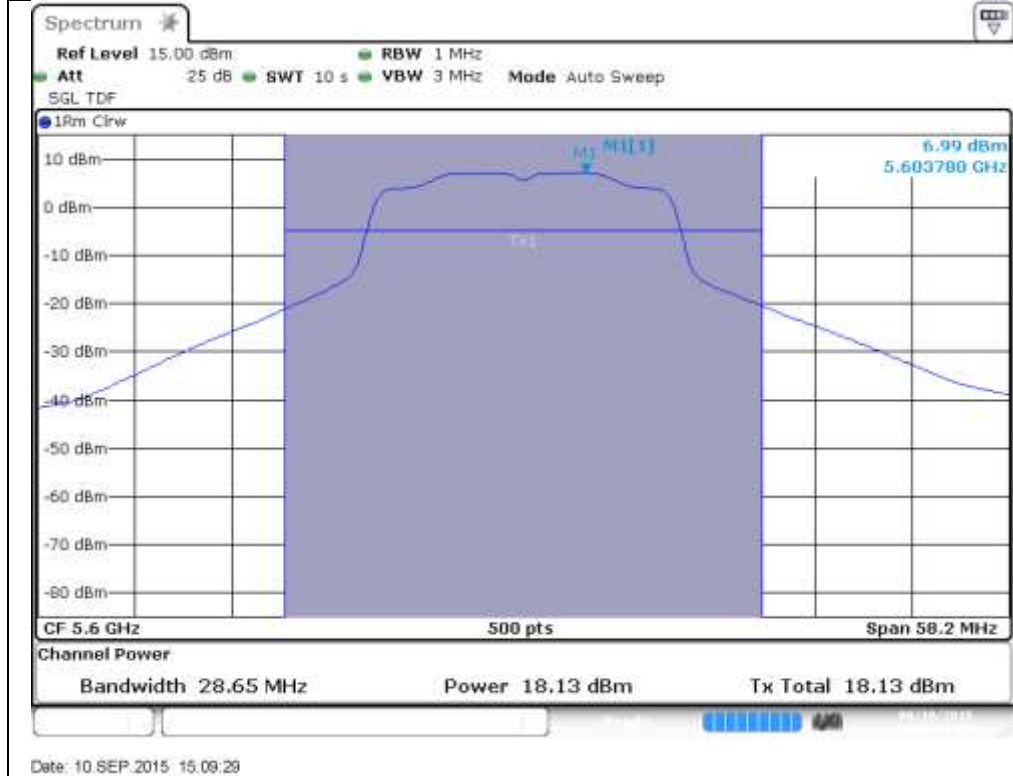


### Max Power & PSD, Chain B – CH100

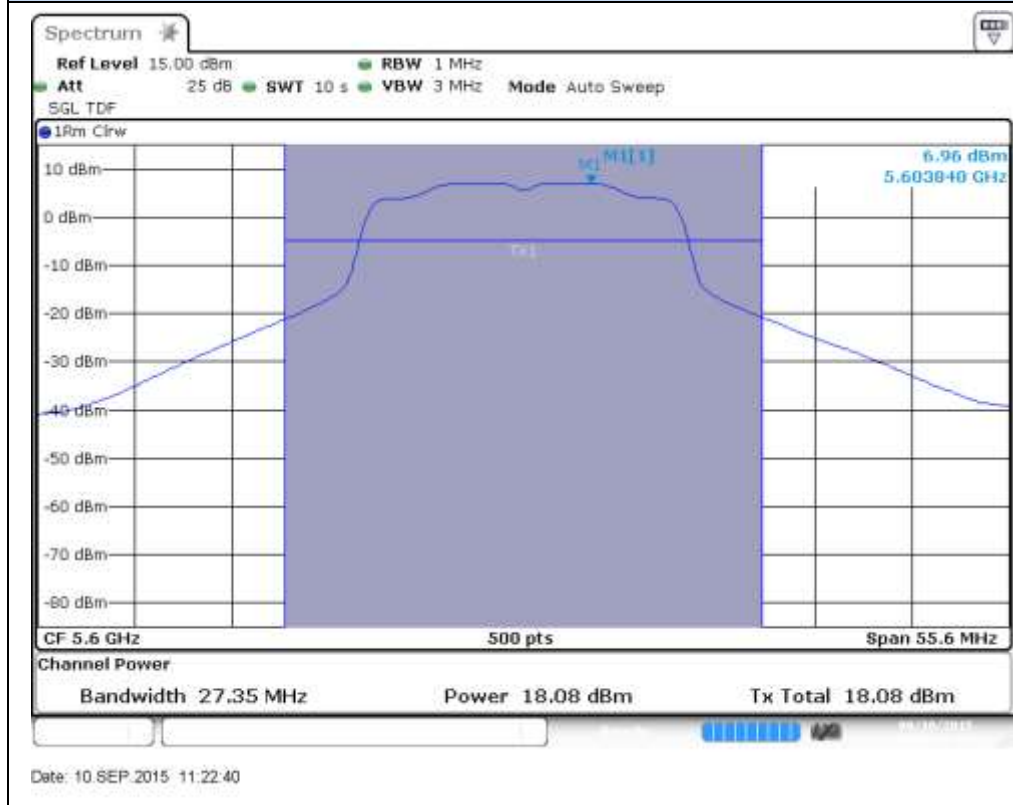


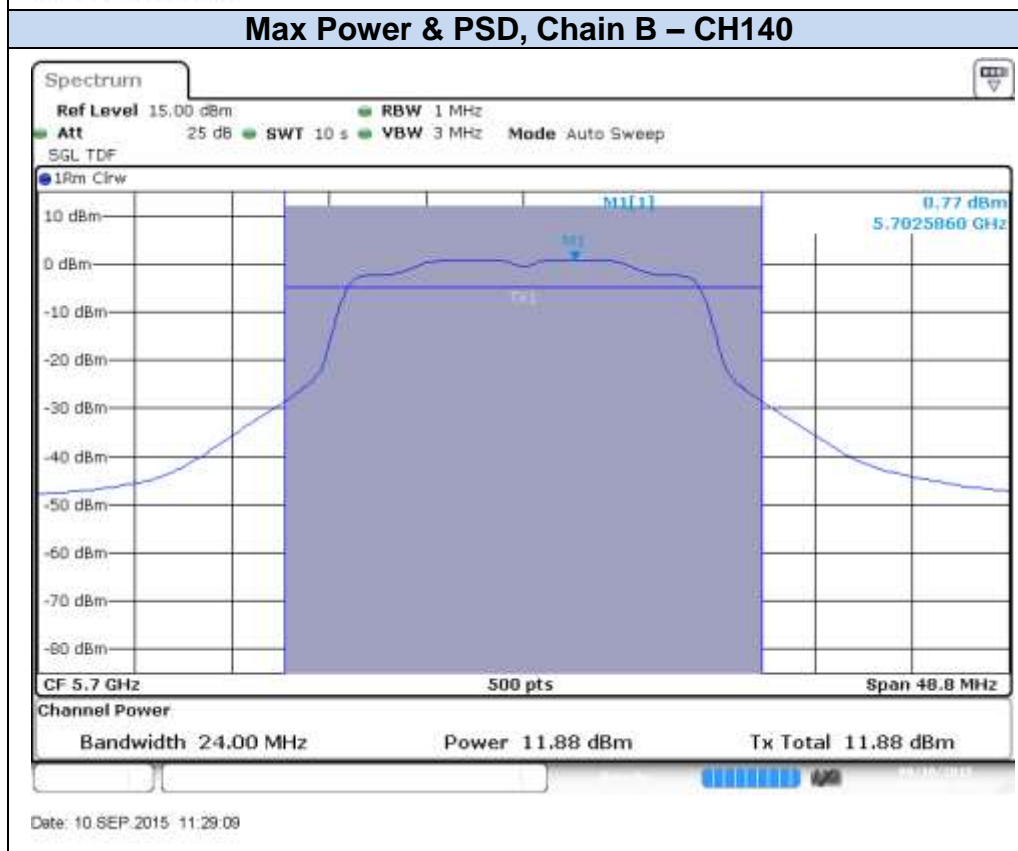
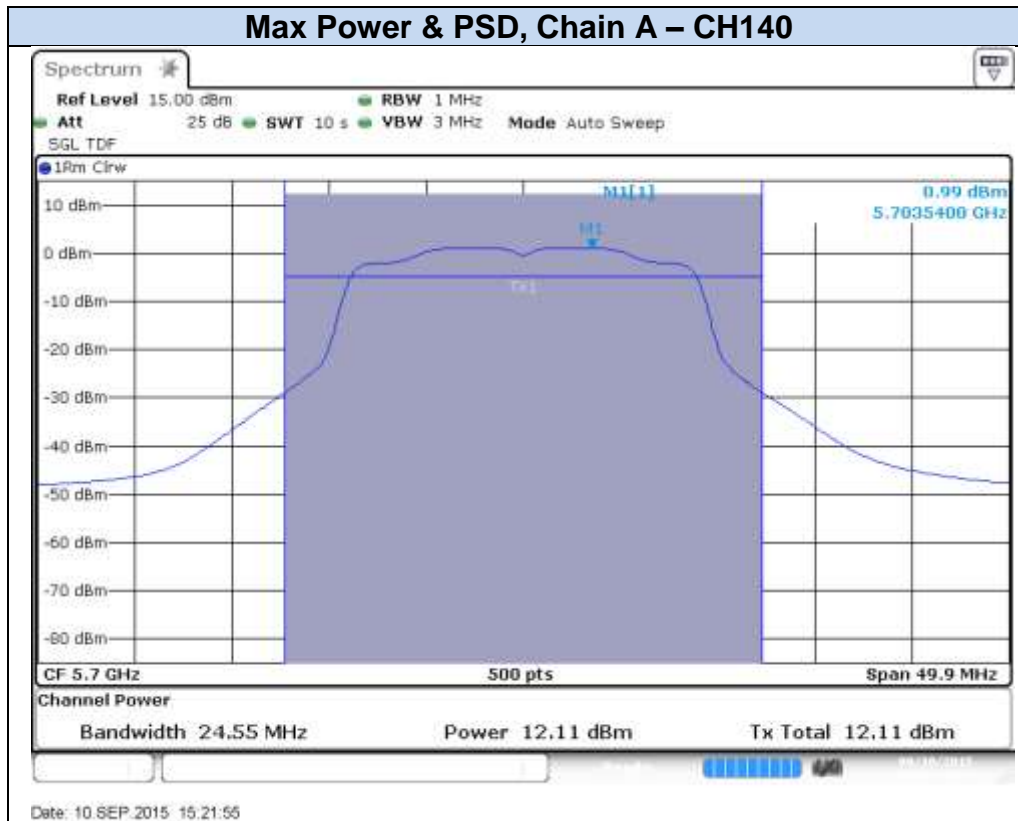


### Max Power & PSD, Chain A – CH120



### Max Power & PSD, Chain B – CH120





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



Date: 15 SEP.2015 10:58:57

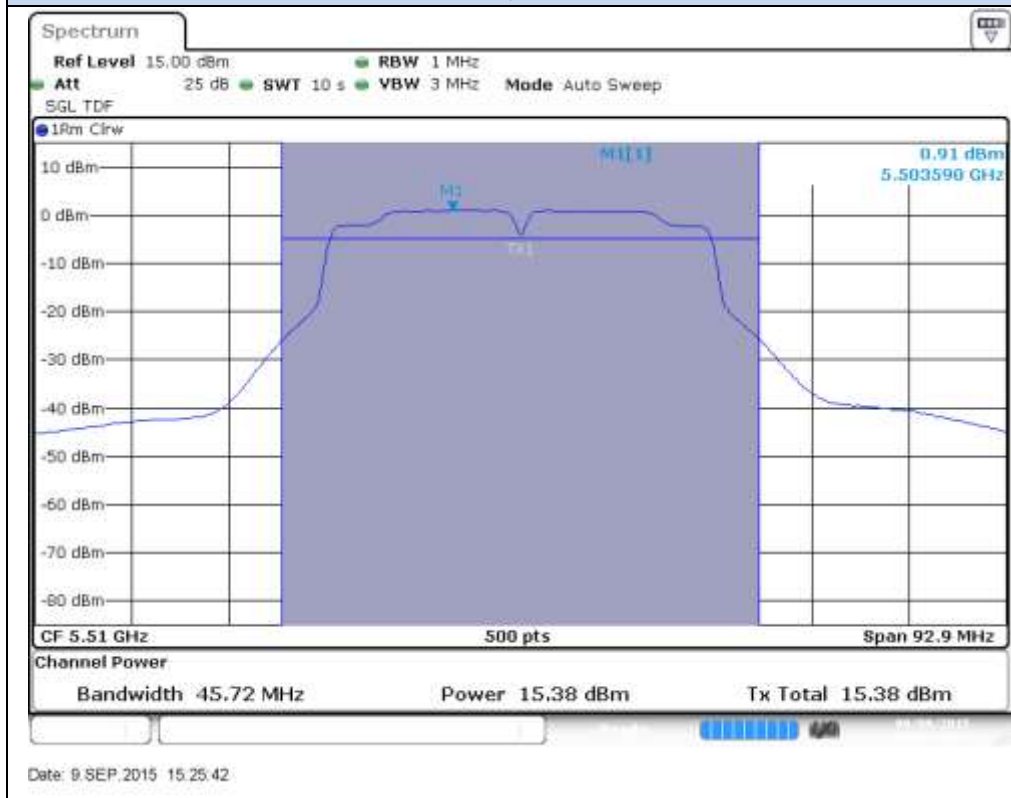
### Max Power & PSD, Chain B – CH144 (Overlapped Channel)



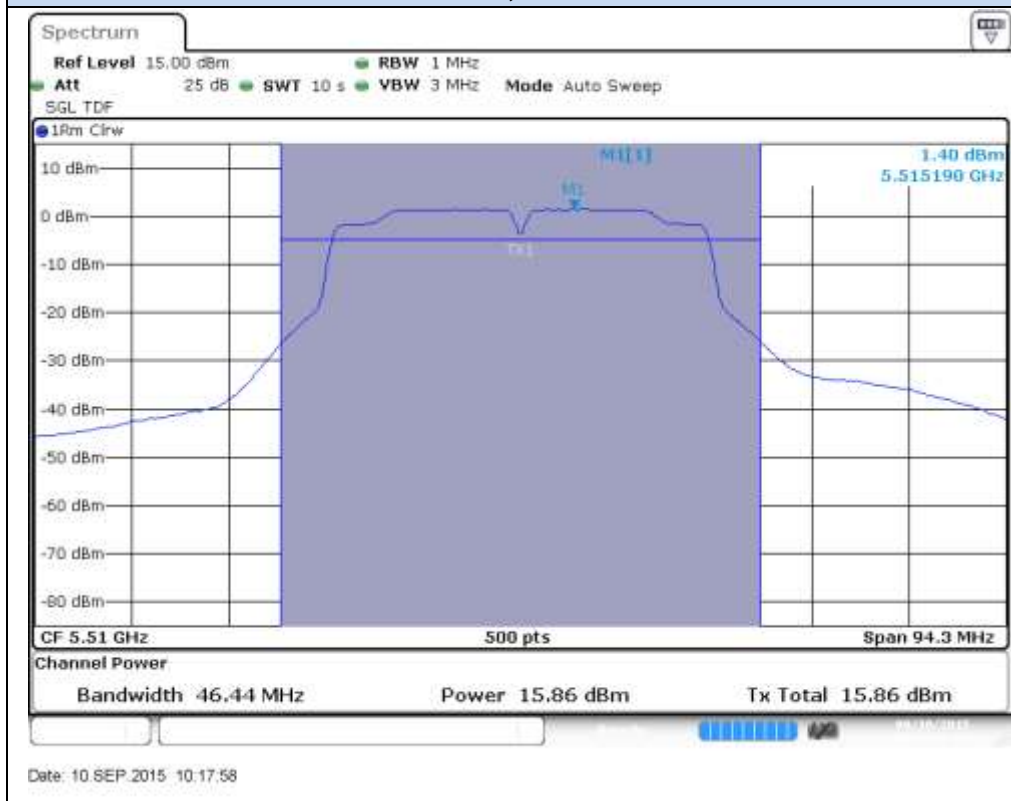
Date: 15 SEP.2015 14:28:15

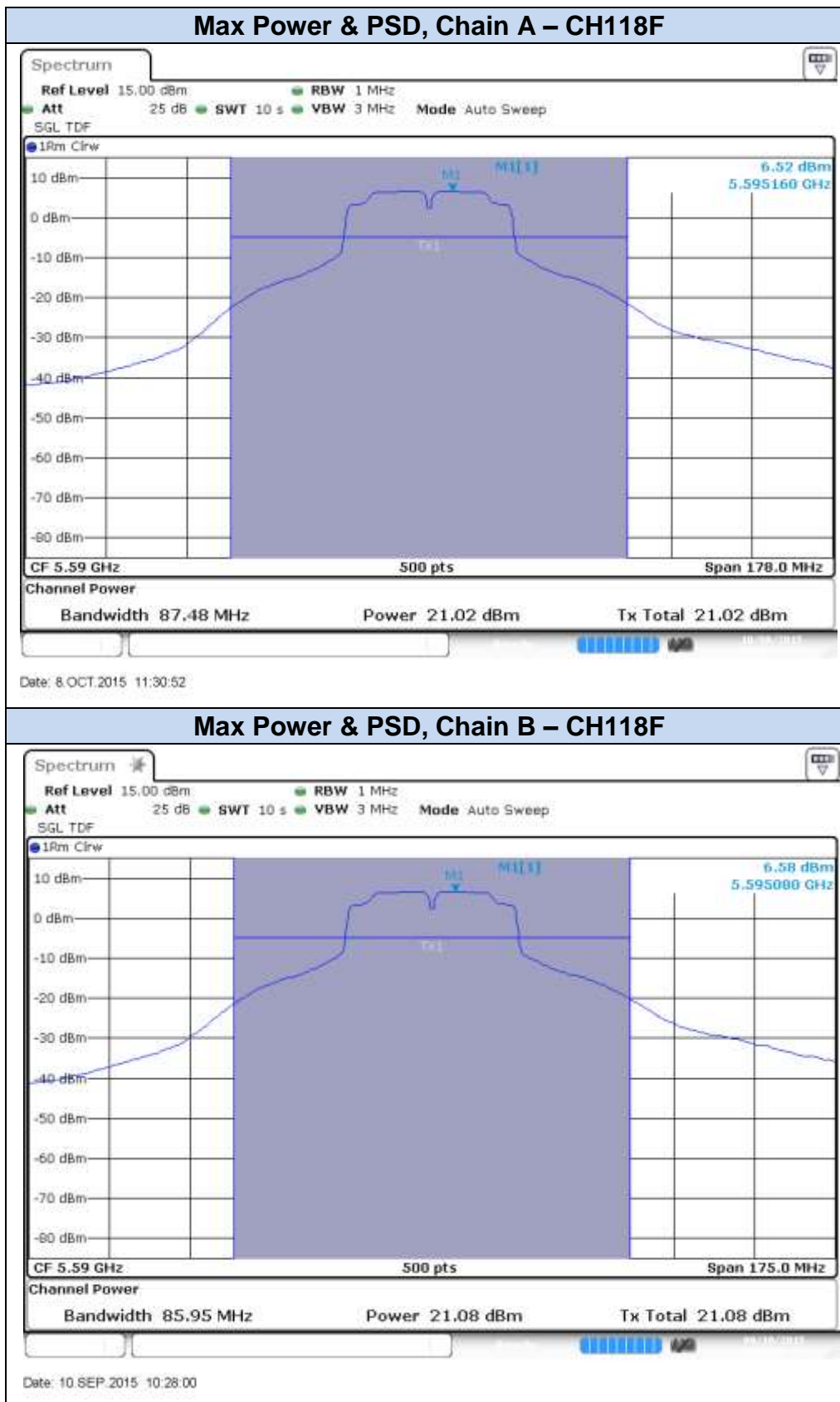
## 802.11n40, HT0 (SISO)

### Max Power & PSD, Chain A – CH102F

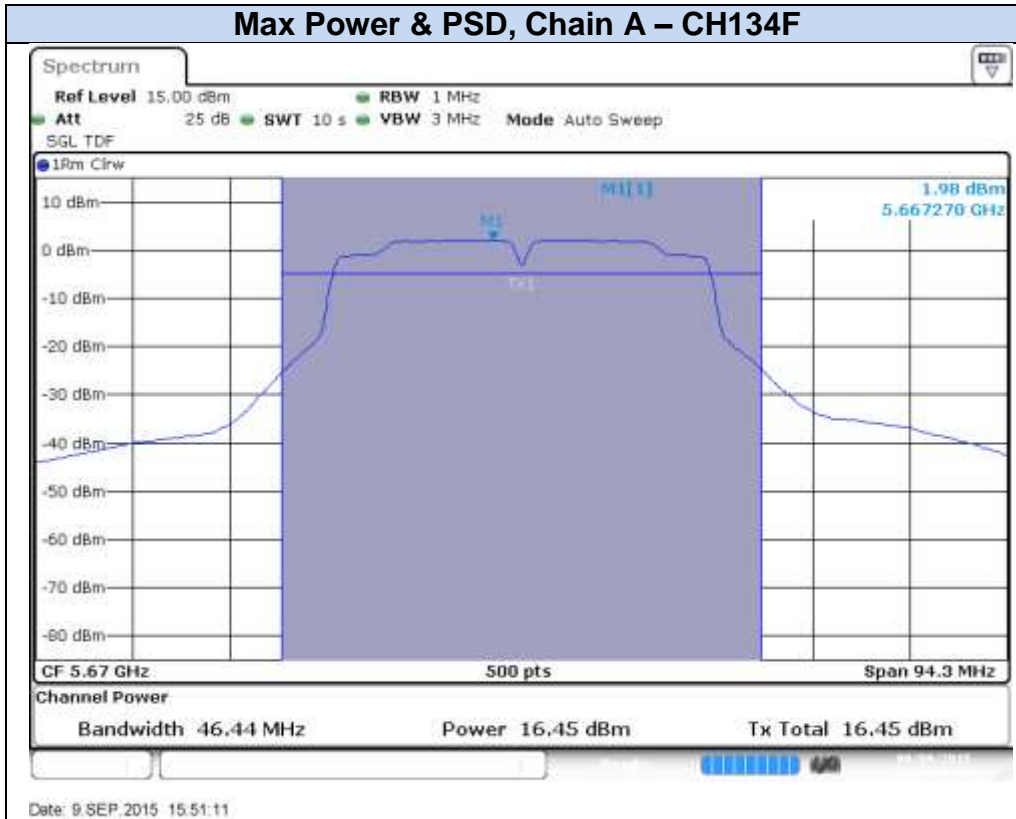


### Max Power & PSD, Chain B – CH102F

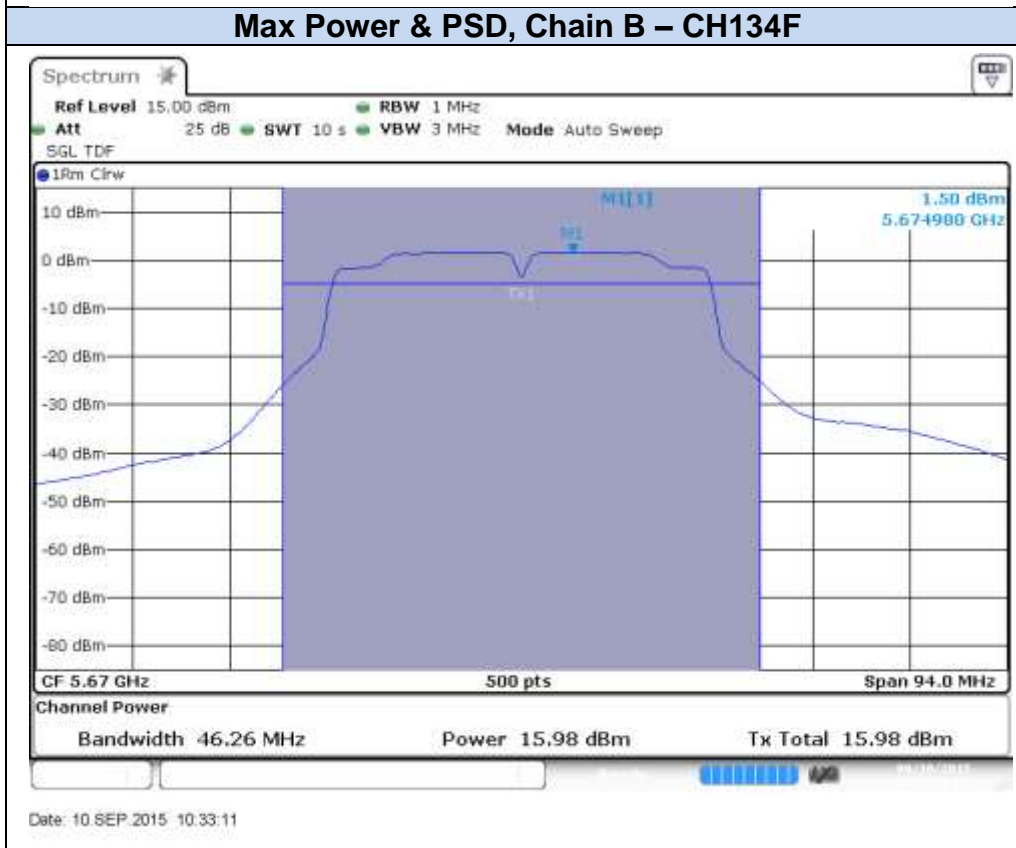




### Max Power & PSD, Chain A – CH134F



### Max Power & PSD, Chain B – CH134F



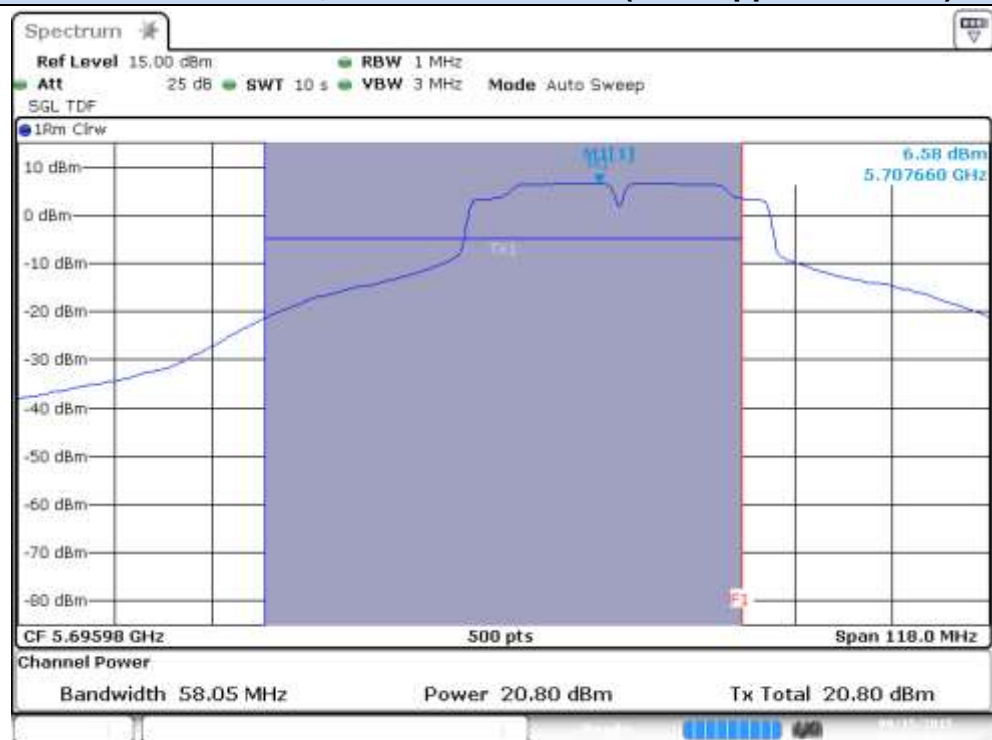


### Max Power & PSD, Chain A – CH142F (Overlapped Channel)



Date: 15 SEP.2015 11:07:13

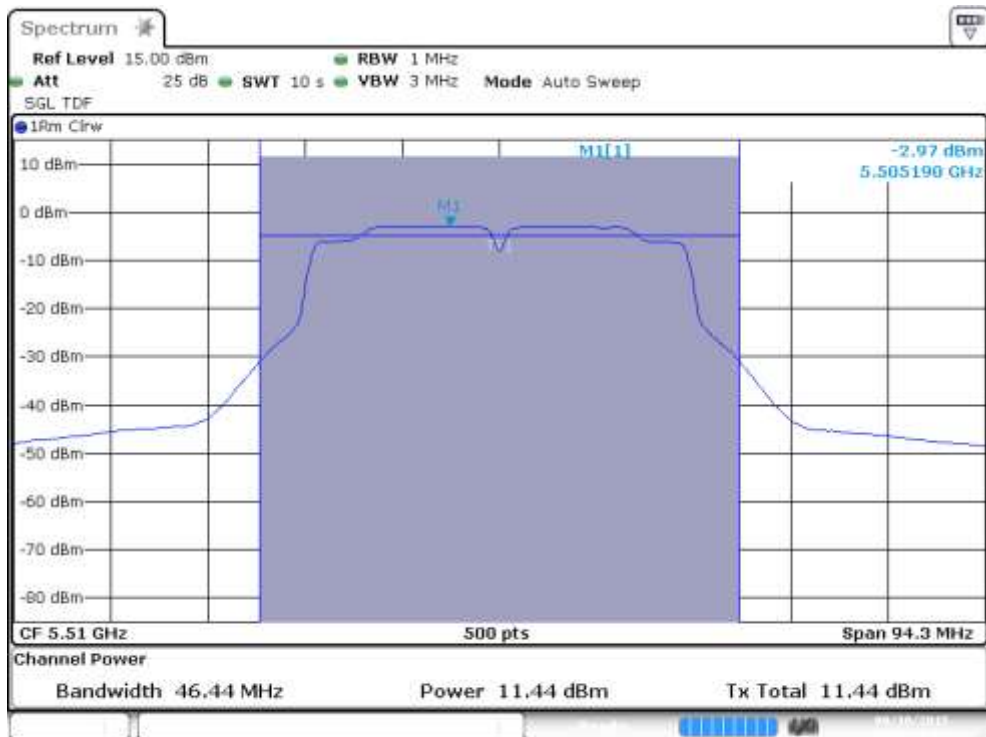
### Max Power & PSD, Chain B – CH142F (Overlapped Channel)



Date: 15 SEP.2015 14:39:20

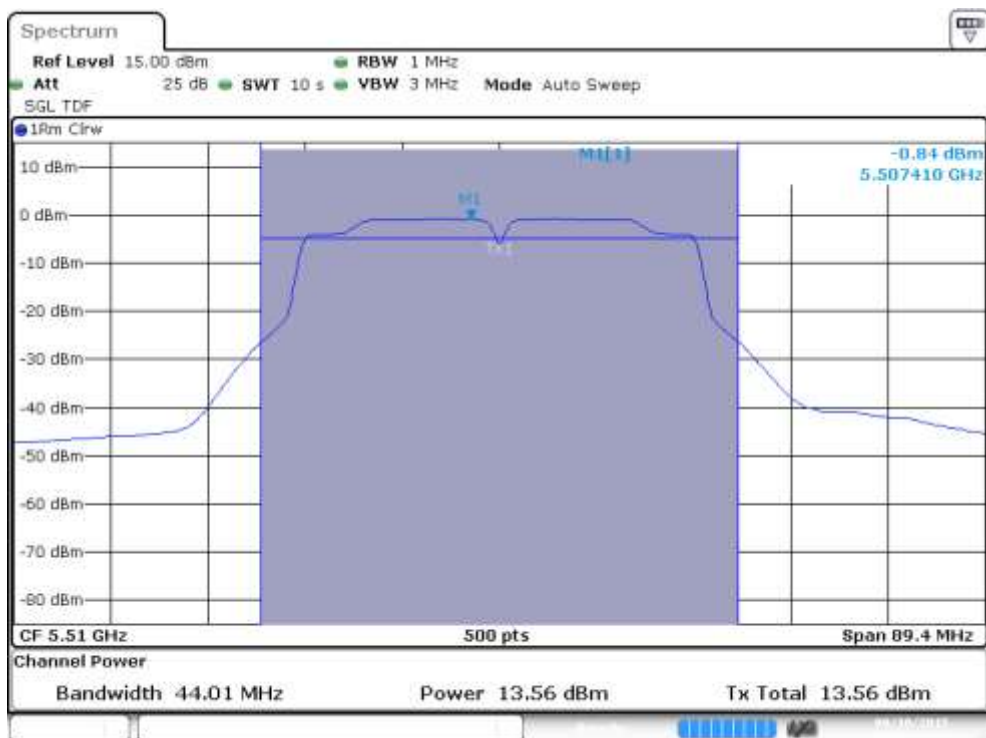
## 802.11n40, HT8 (MIMO)

### Max Power & PSD, Chain A – CH102F

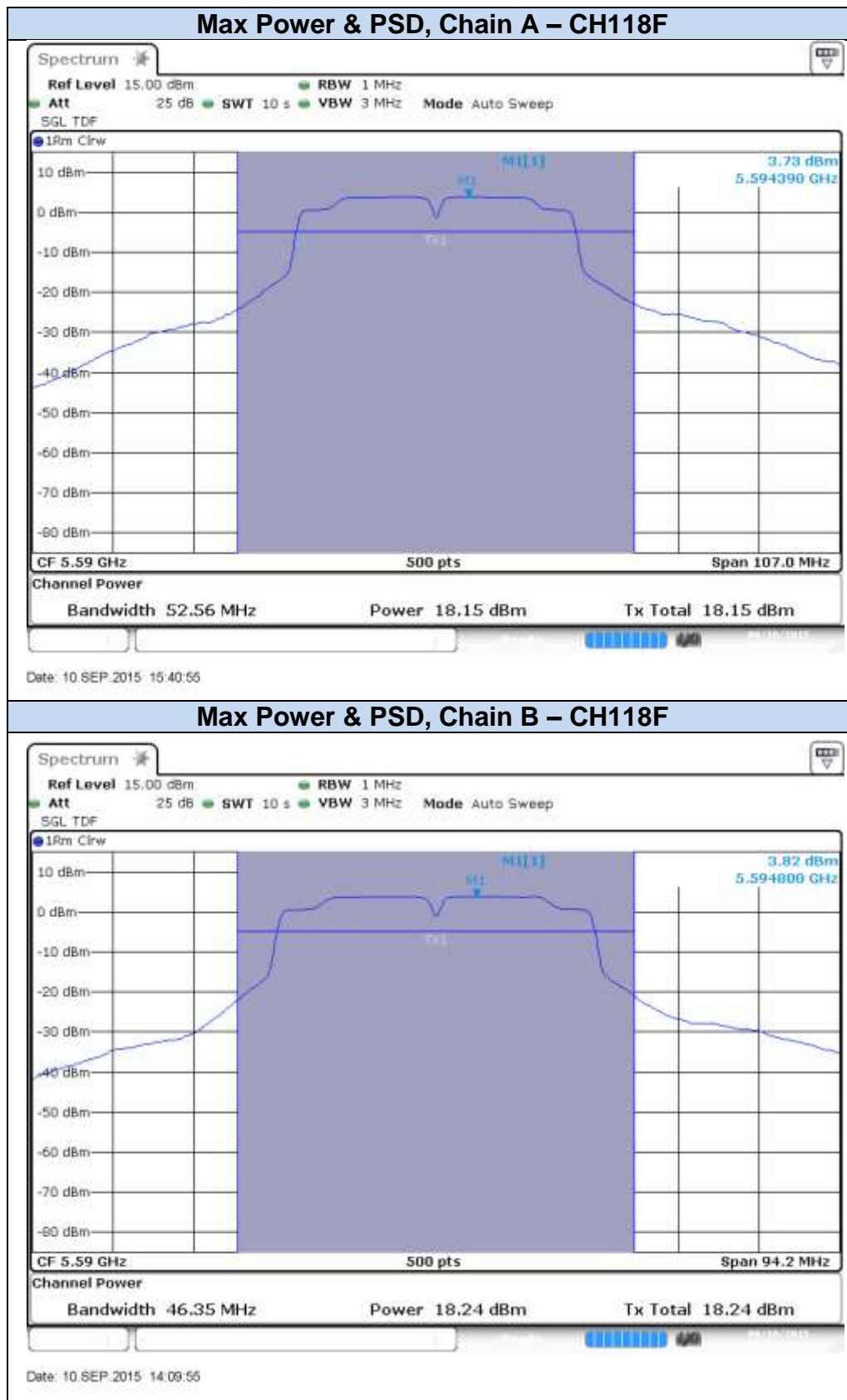


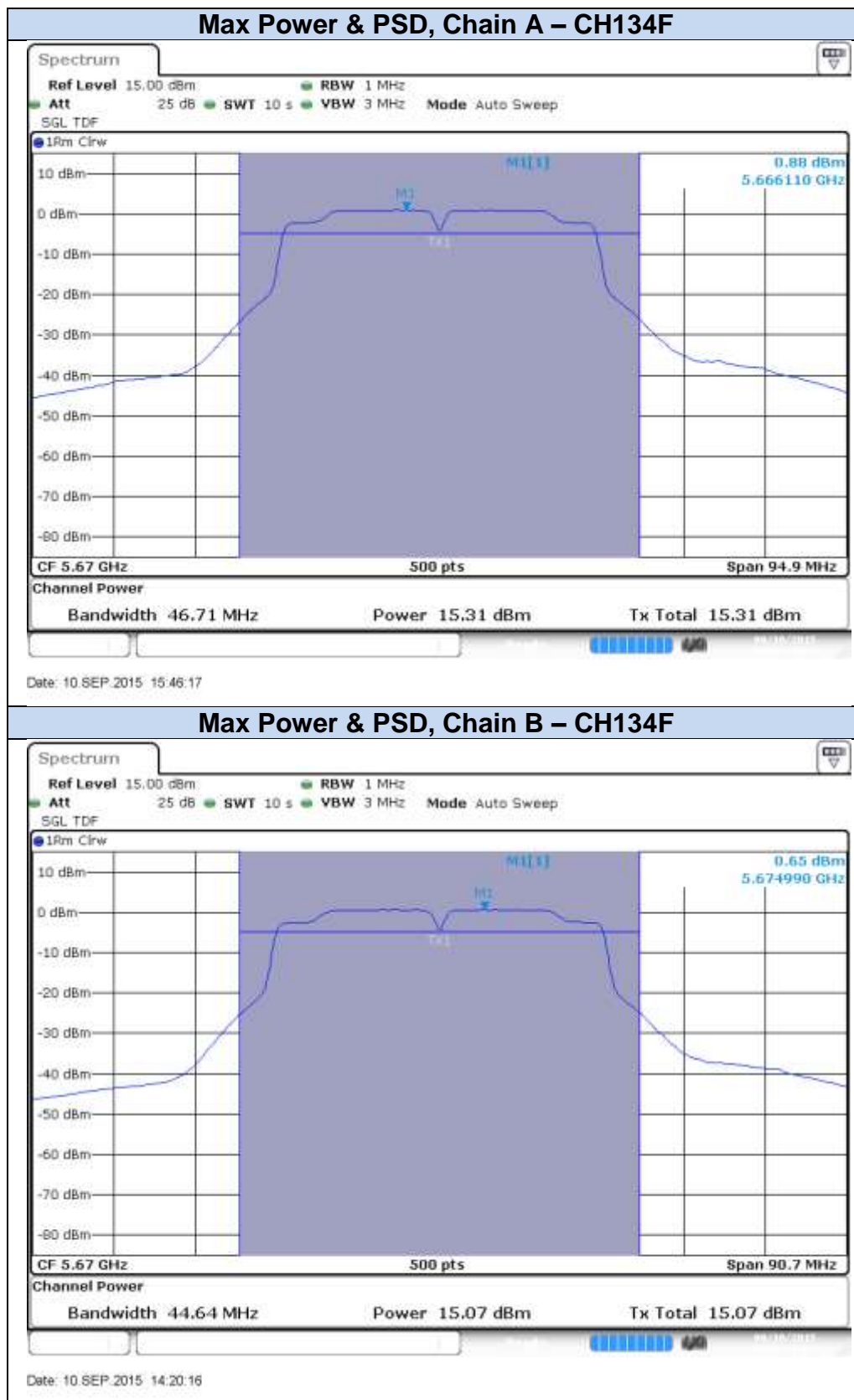
Date: 10 SEP.2015 15:32:29

### Max Power & PSD, Chain B – CH102F



Date: 10 SEP.2015 11:52:36





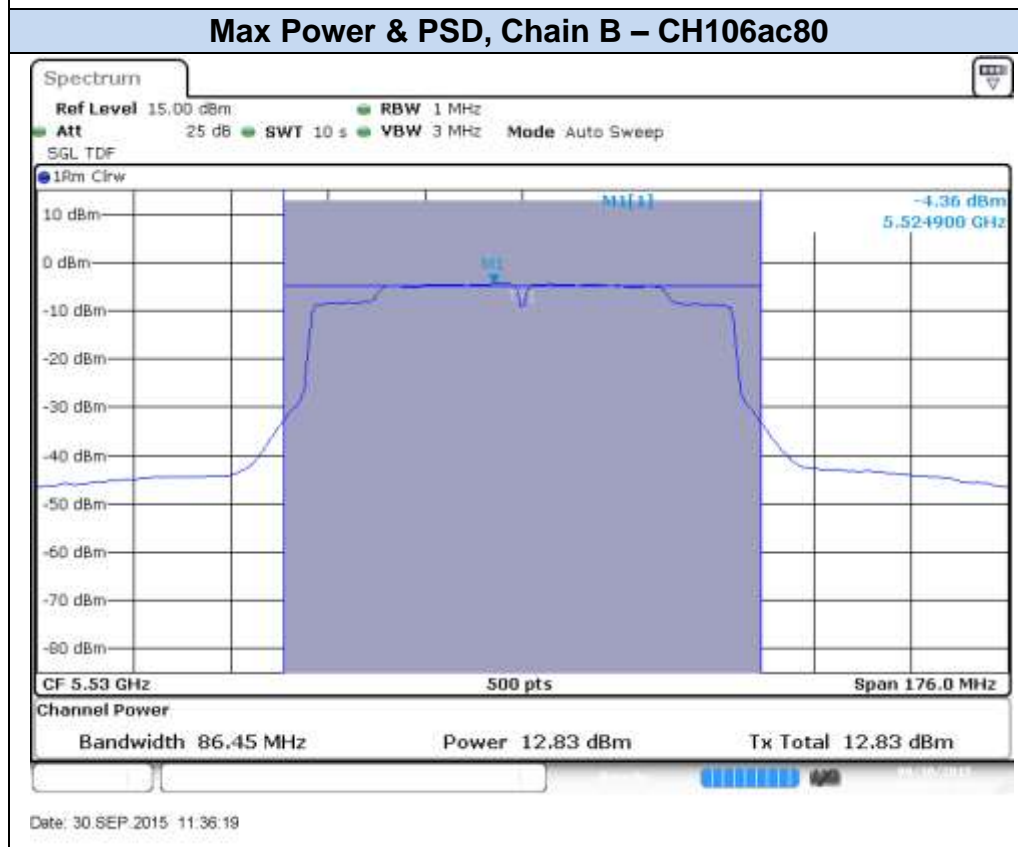
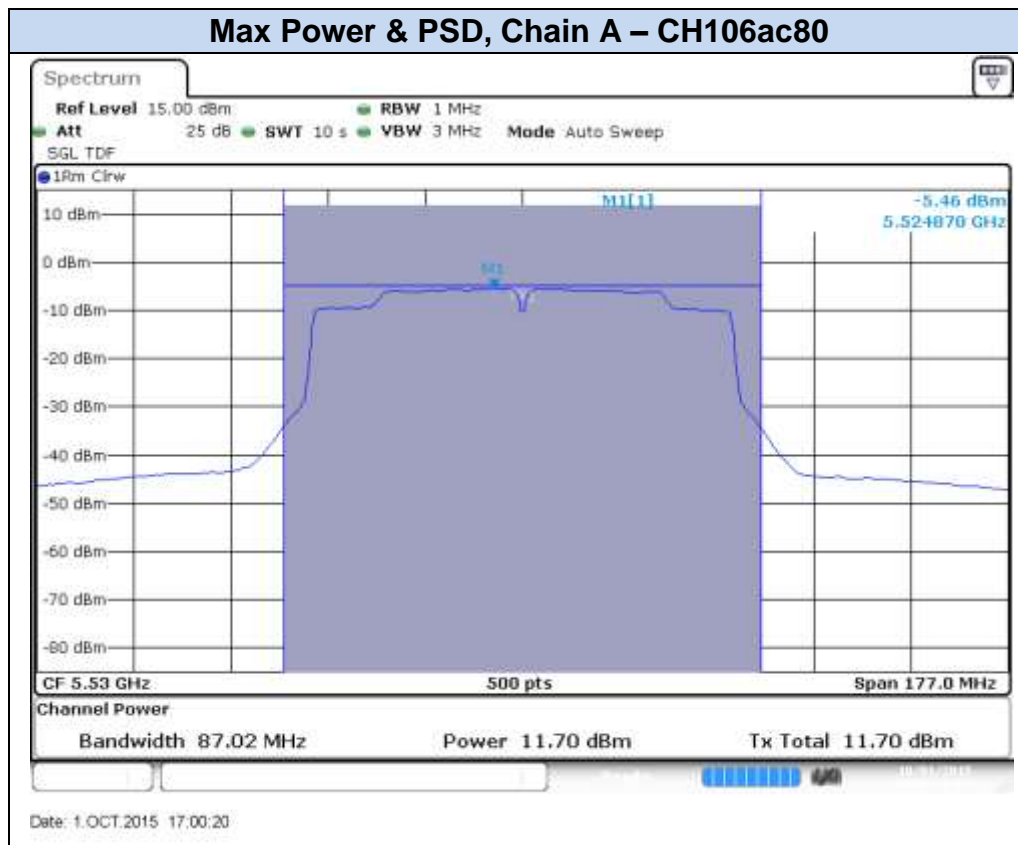
### Max Power & PSD, Chain A – CH142F (Overlapped Channel)



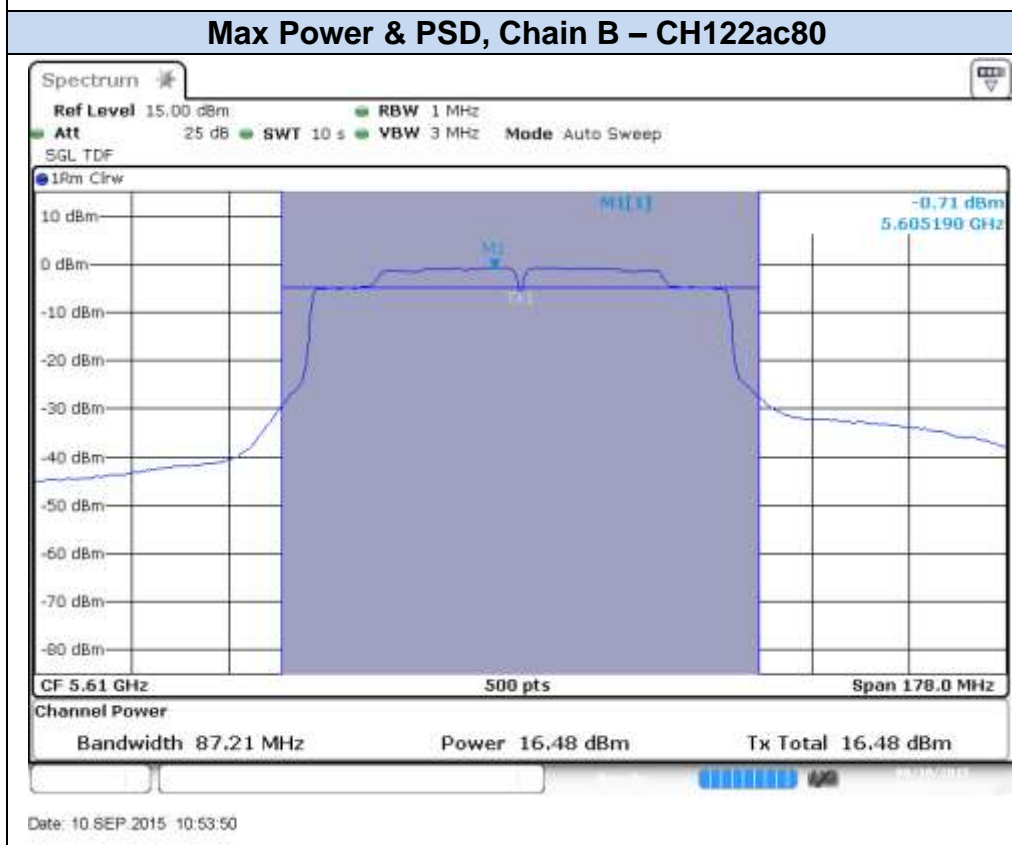
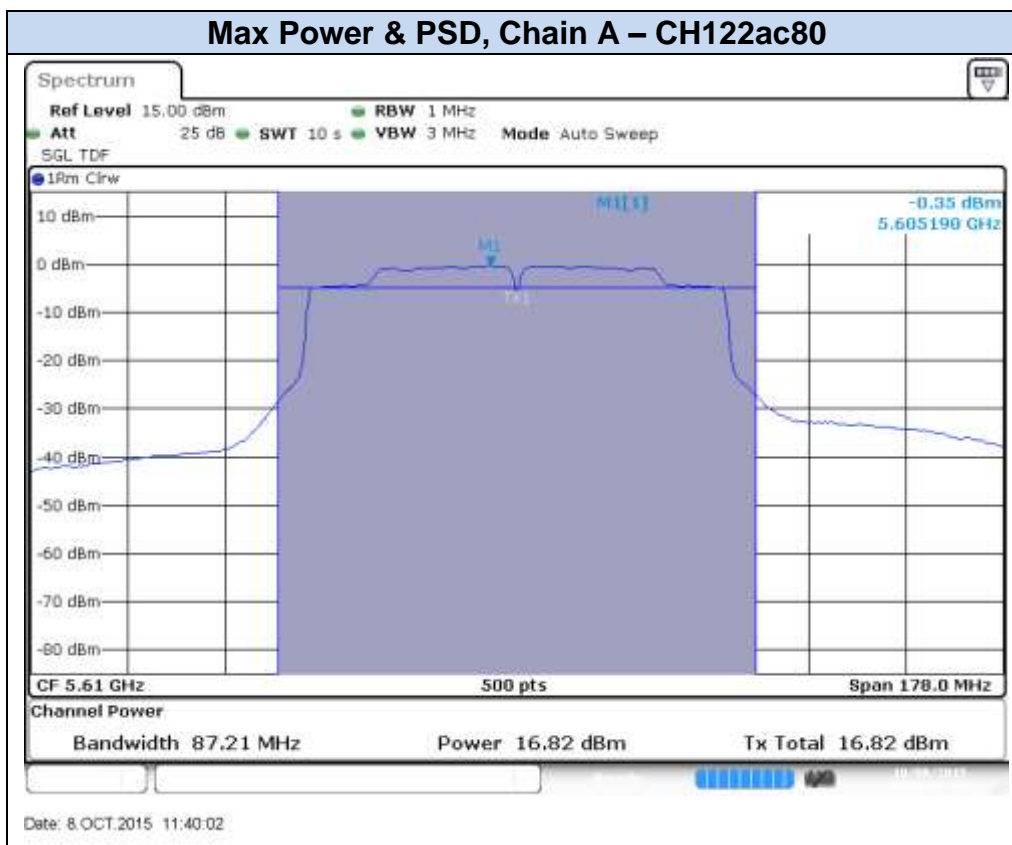
### Max Power & PSD, Chain B – CH142F (Overlapped Channel)

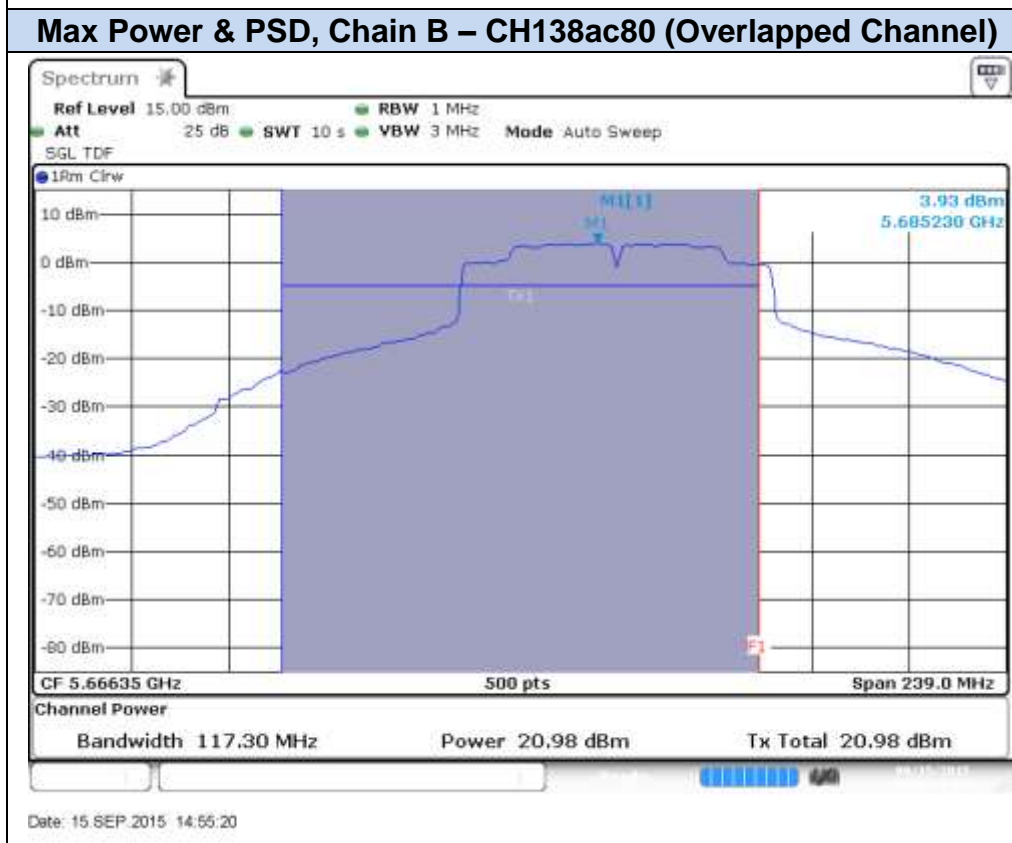
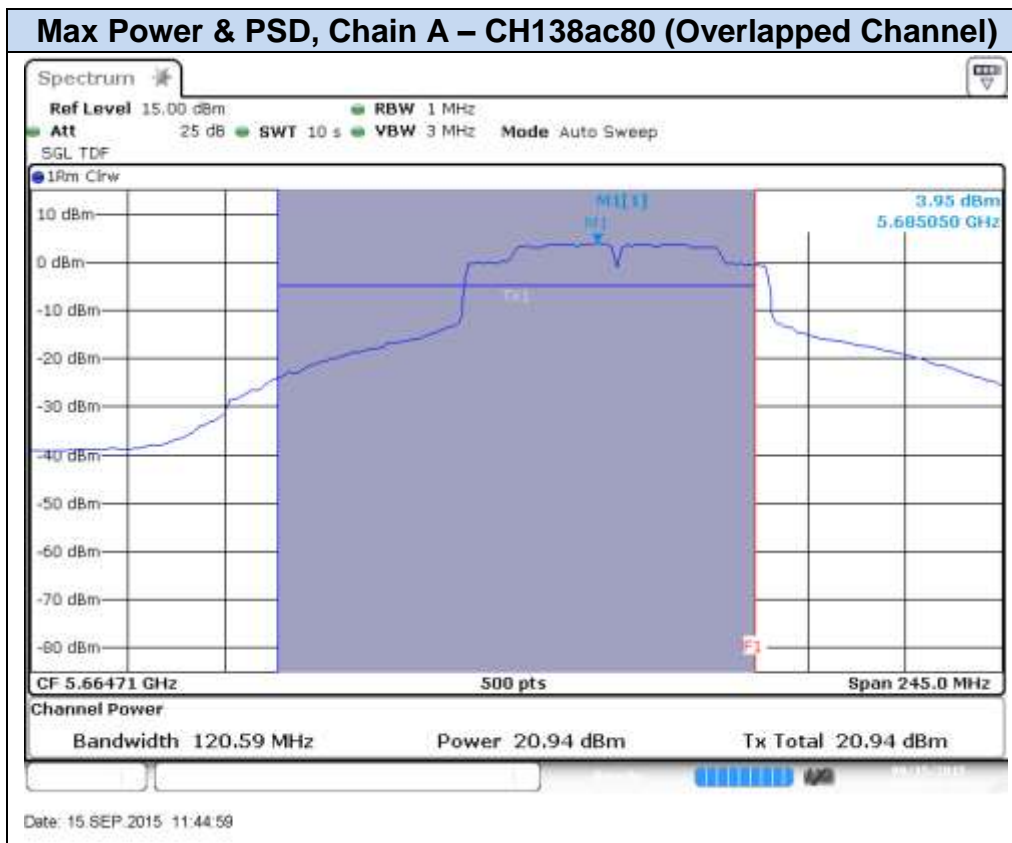


## 802.11ac80, VHT0 (SISO)



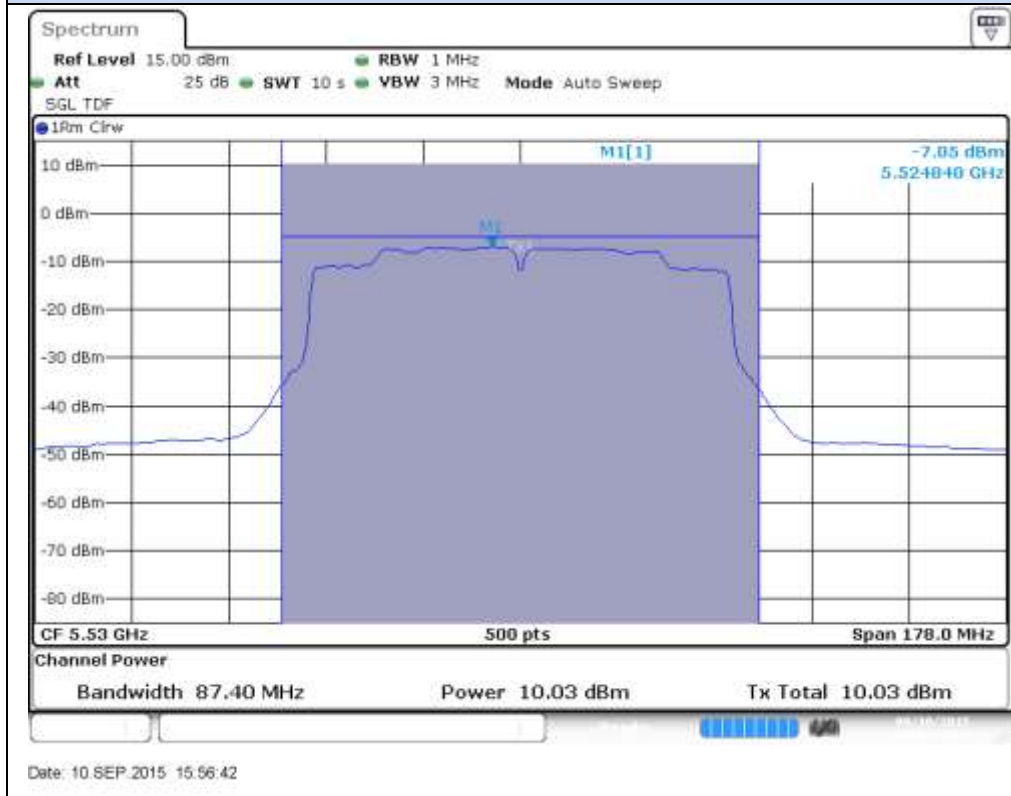




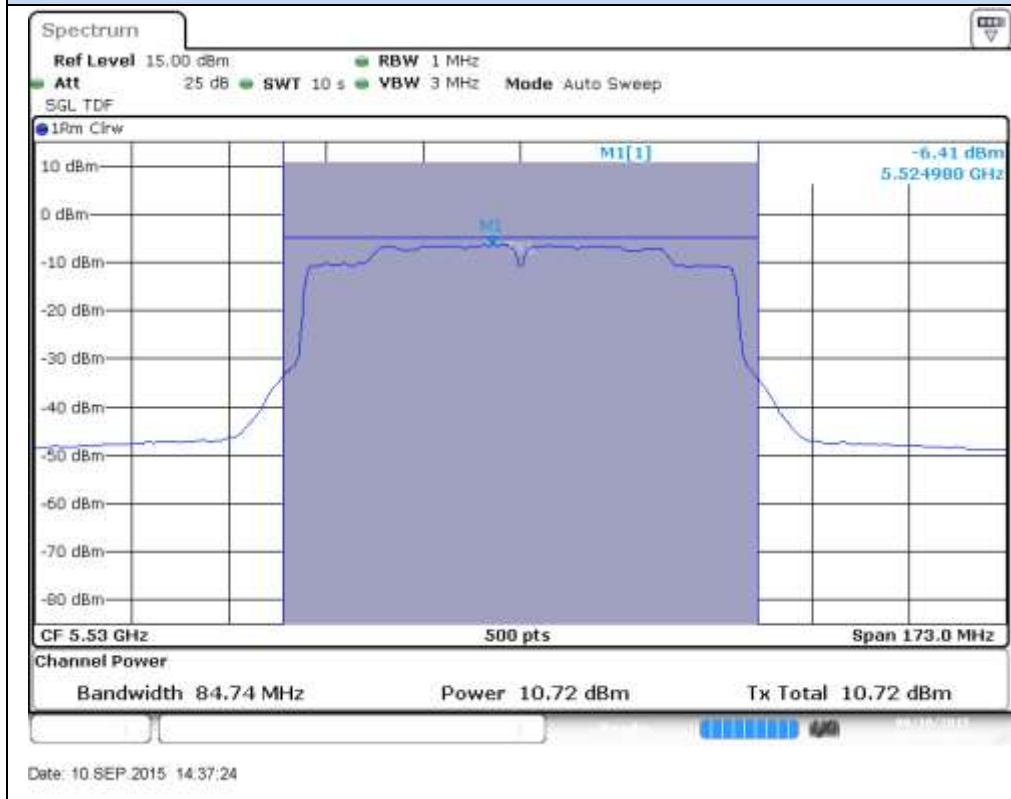


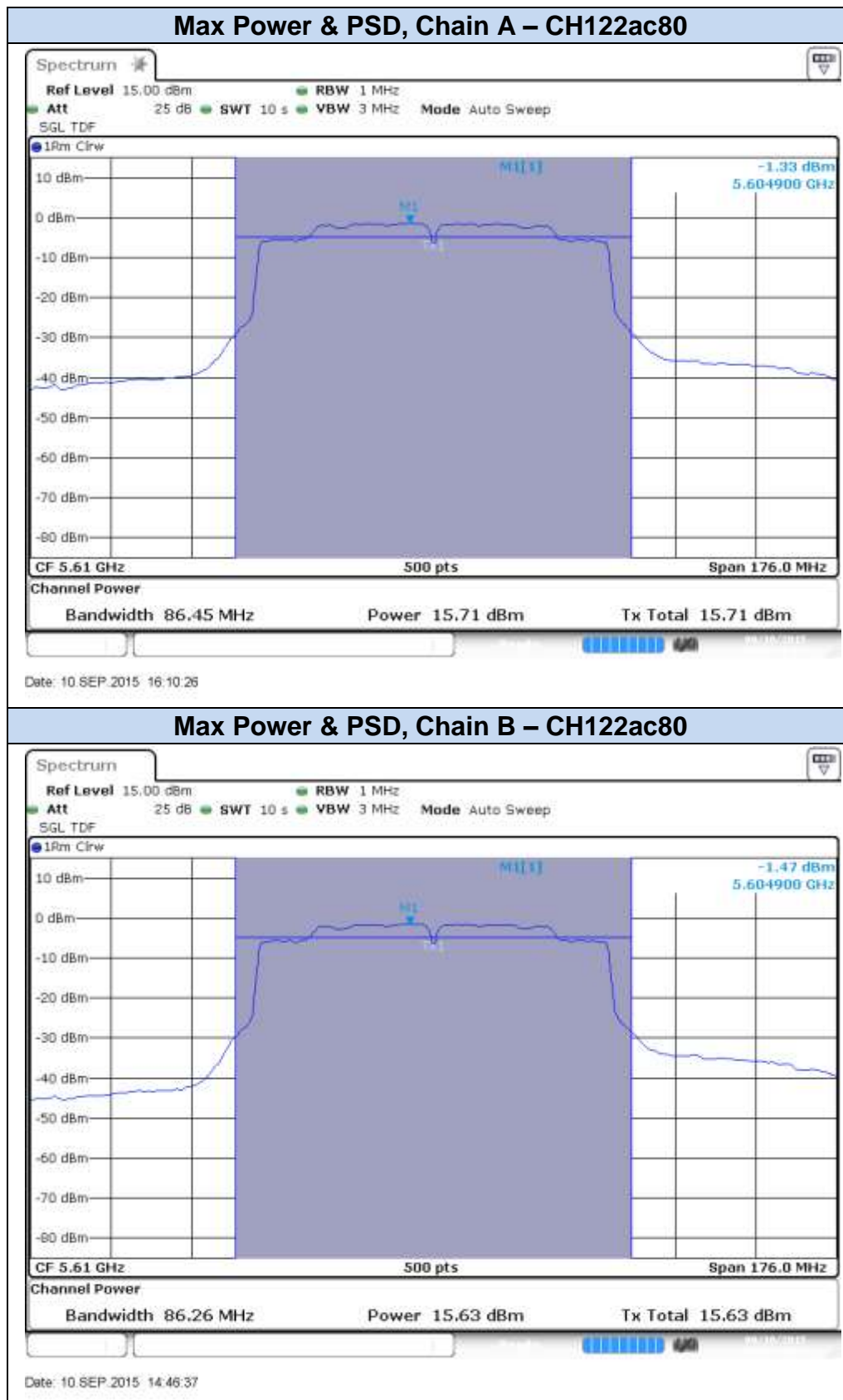
## 802.11ac80, VHT0 (MIMO)

### Max Power & PSD, Chain A – CH106ac80

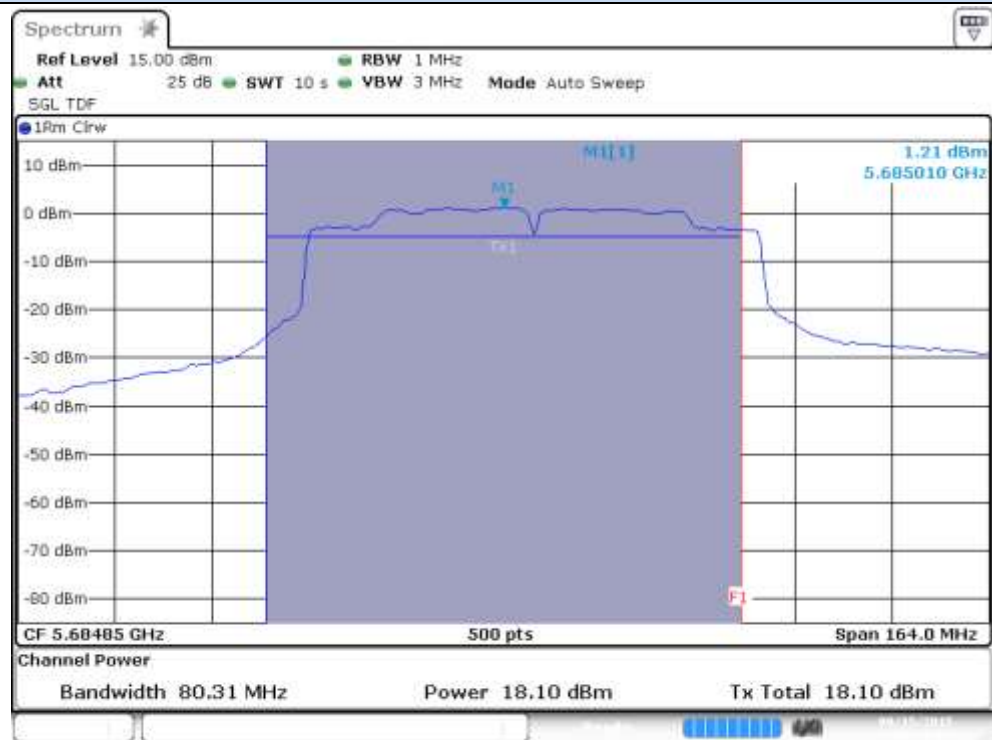


### Max Power & PSD, Chain B – CH106ac80

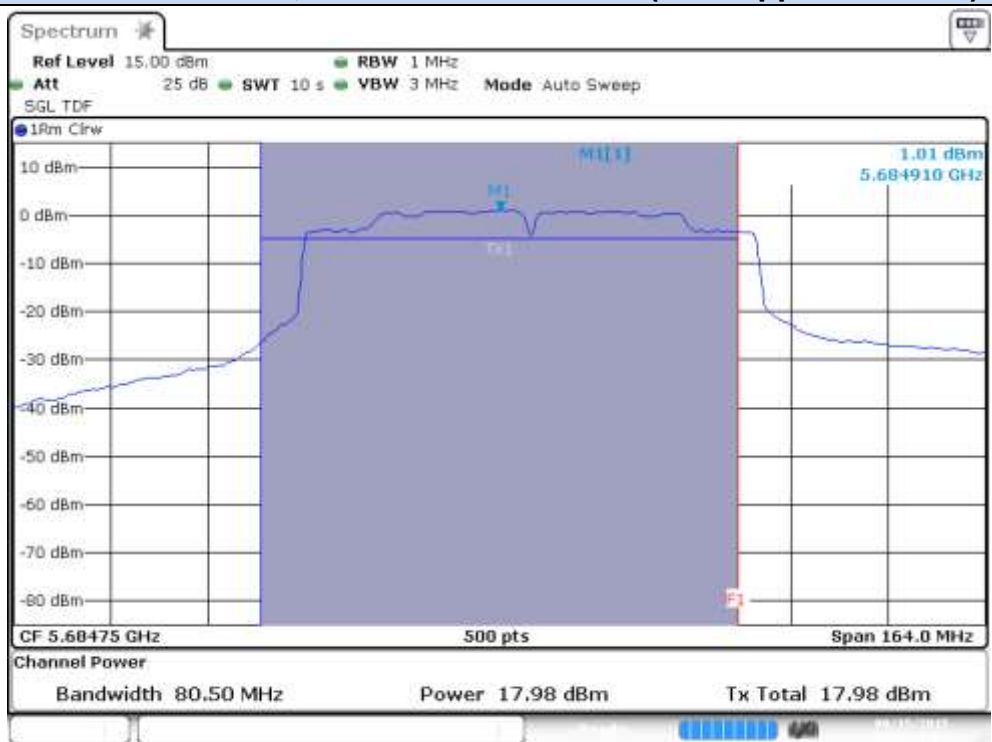




### Max Power & PSD, Chain A – CH138ac80 (Overlapped Channel)



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



### D.3 Undesirable emissions limits: Band Edge (conducted)

#### Test limits:

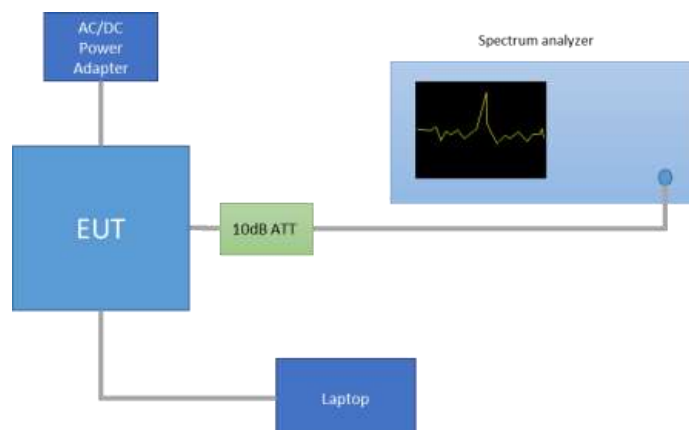
FCC part	RSS Part	Limits			
15.407 (b) (3)	RSS-247 Clause 6.2.3 (2)	For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.			
15.209	RSS-247 Clause 6.2.3 (2)	Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):			
		Freq Range (MHz)	Field Streghth (μV/m)	Field Streghth (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
		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.					

#### 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 through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared Antenna Gain.

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.



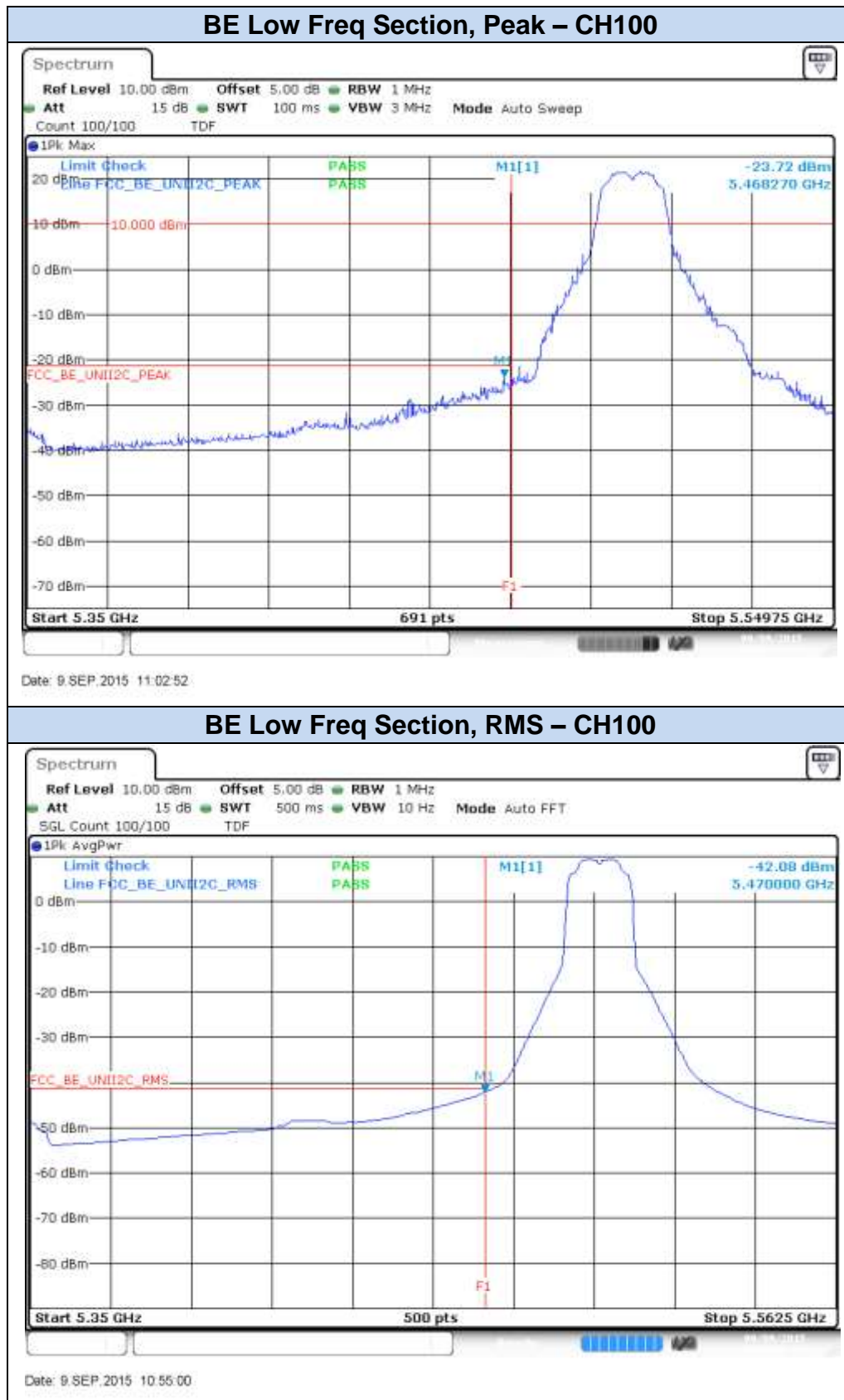


The following limits in dBm were applied for the average detector after the conversion from the limits detailed above in dB $\mu$ V/m, according to FCC 47 CFR part 15 - Subpart C – §15.209(a). The limits in dBm for peak detector are 20dB above the indicated values in the table.

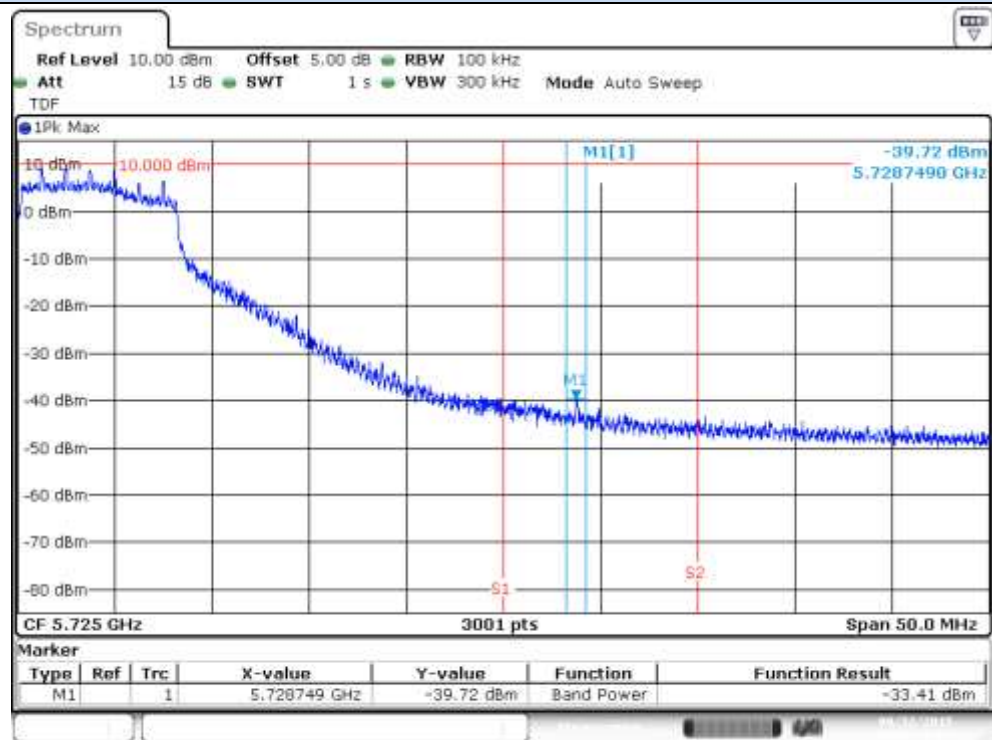
§15.209(a)			Converted values	
Freq Range (MHz)	Distance (m)	Field strength (microvolts/meter)	Field strength (dB microvolts/meter)	Power (dBm)
Above 960	3	500	53.98	-41.2

# Results Screenshot:

## 802.11a, 6Mbps – Chain A

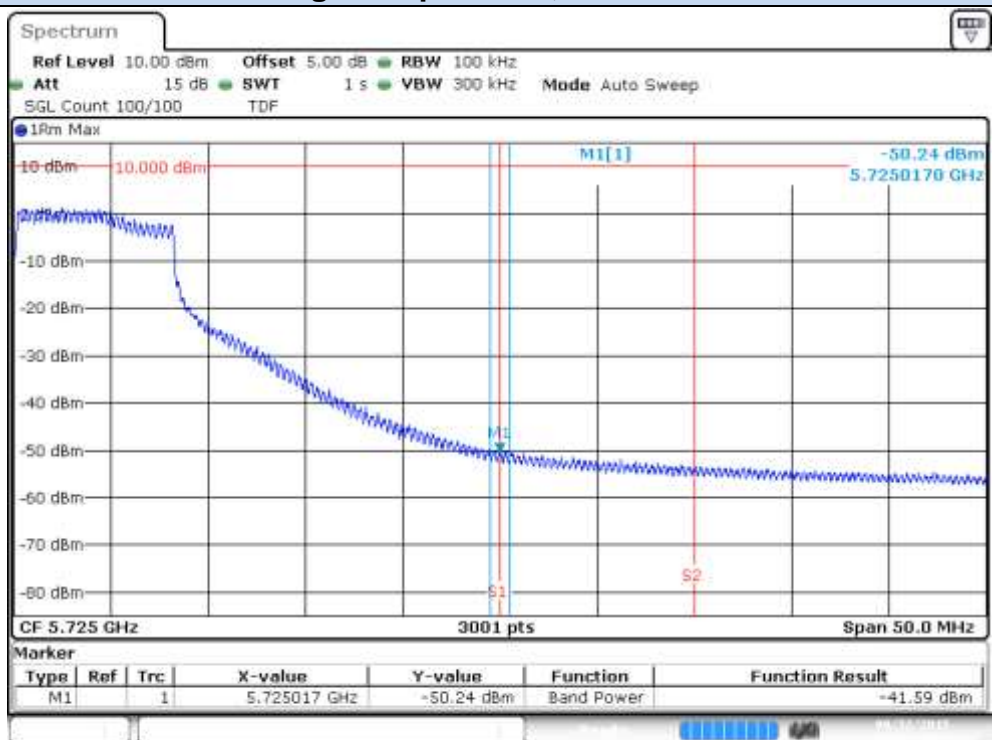


### BE High Freq Section, Peak – CH140



Date: 22 SEP 2015 13:55:31

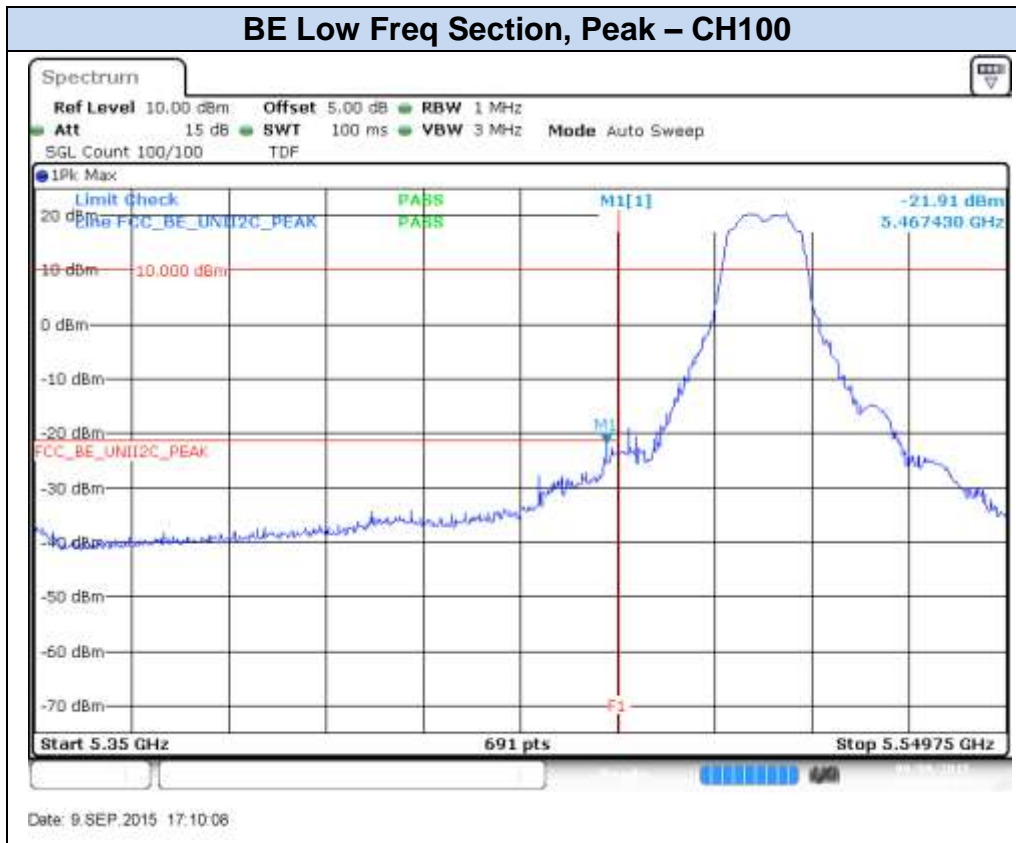
### BE High Freq Section, RMS – CH140



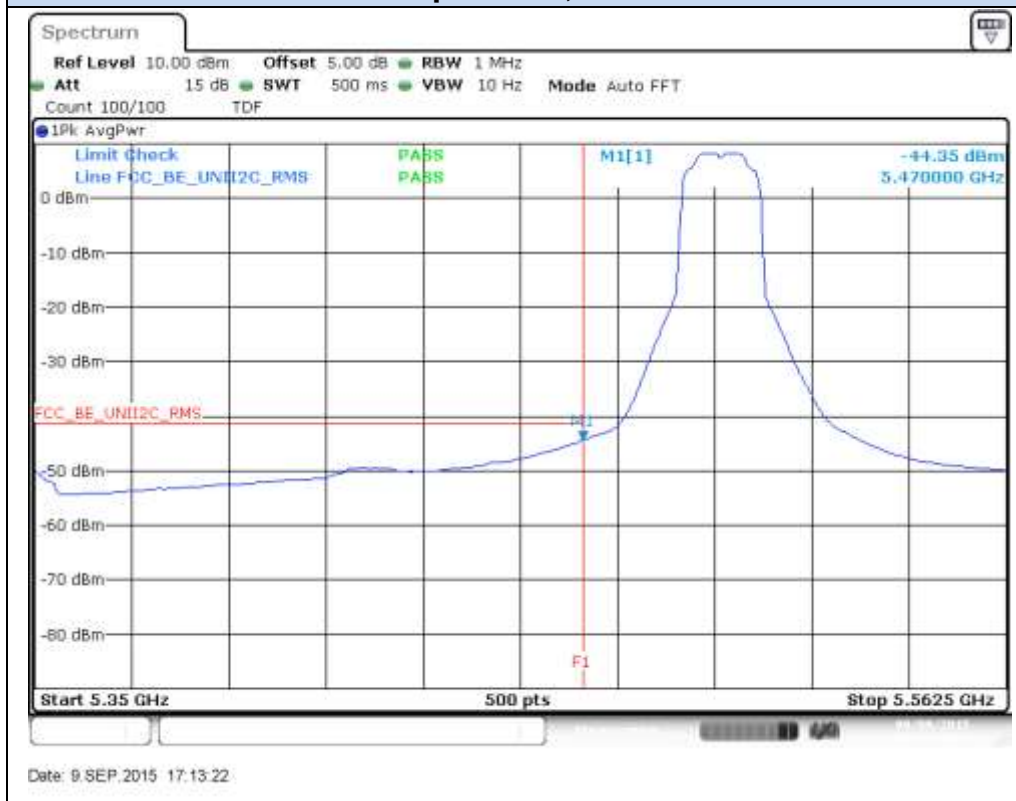
Date: 22 SEP 2015 13:53:56

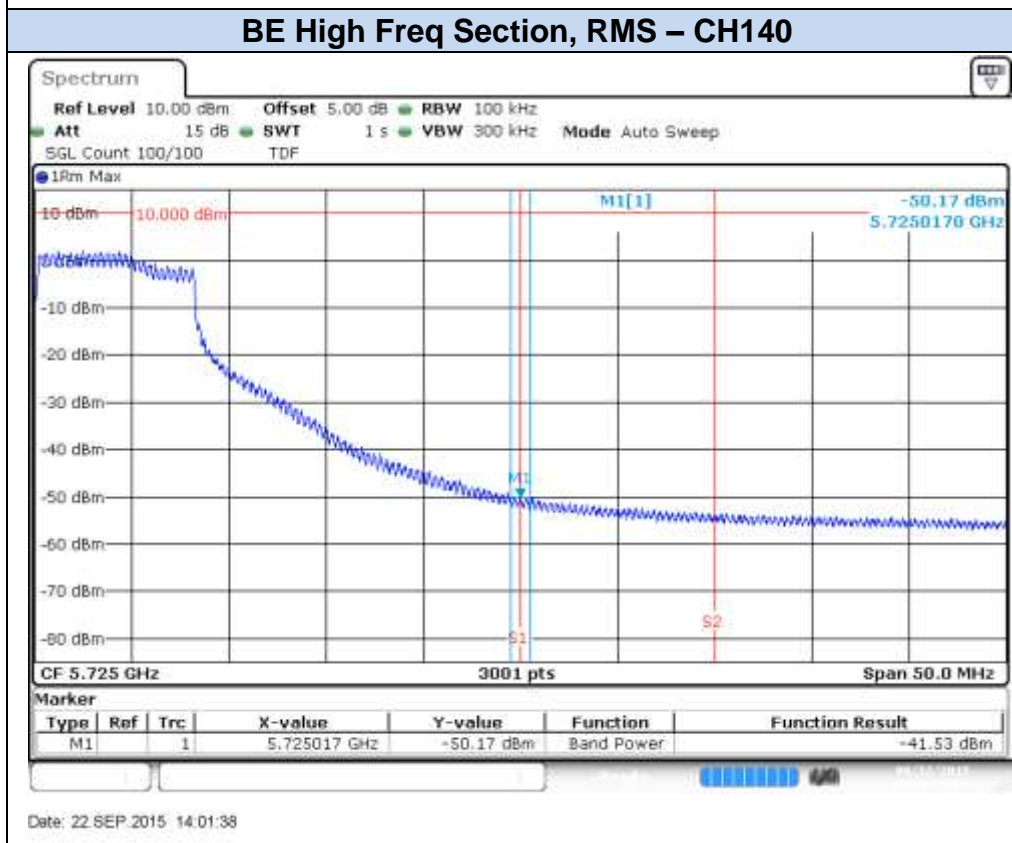
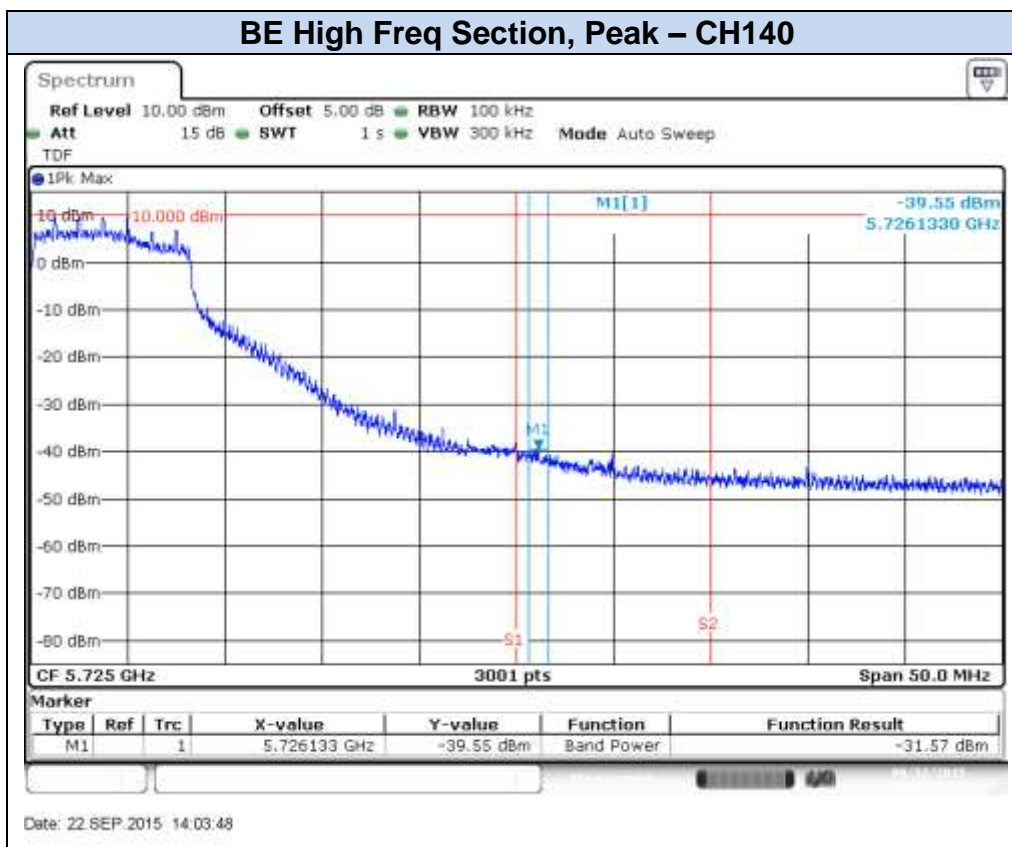
## 802.11a, 6Mbps – Chain B

### BE Low Freq Section, Peak – CH100



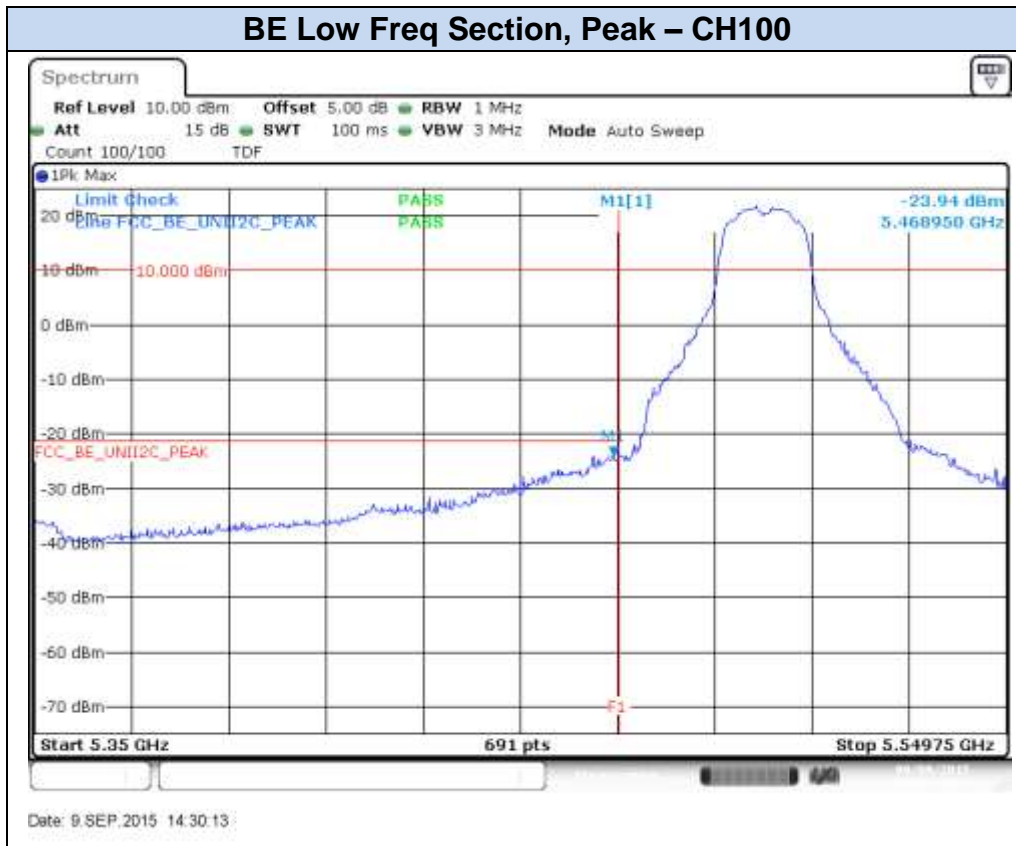
### BE Low Freq Section, RMS – CH100



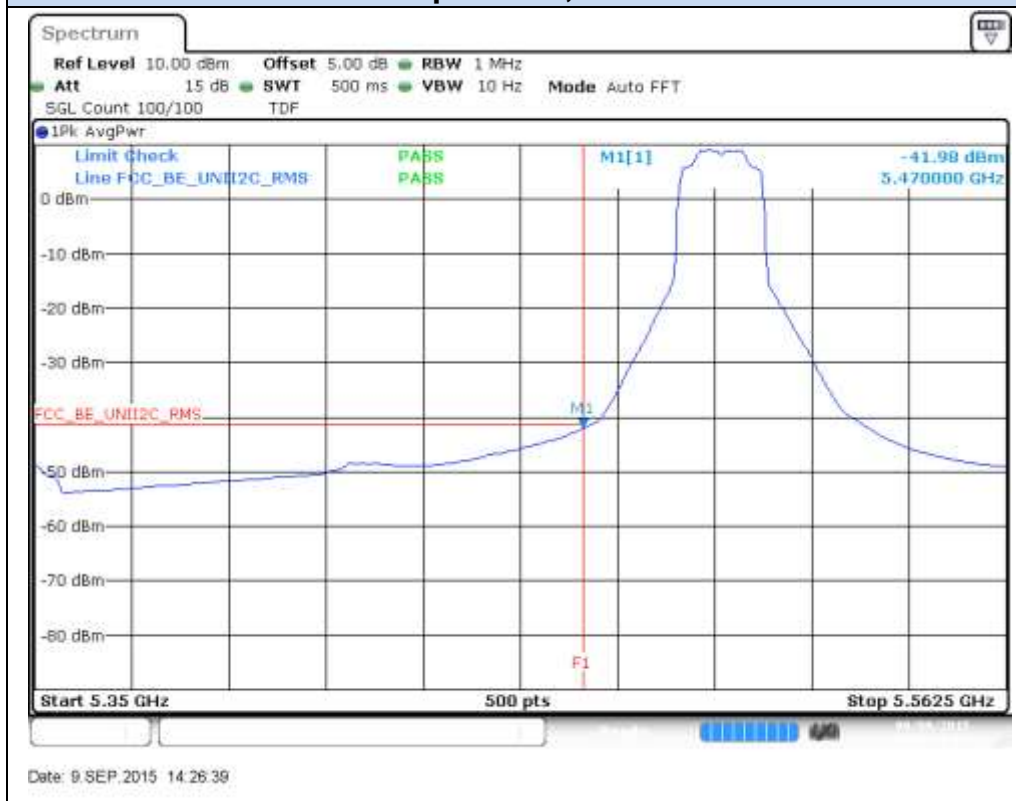


## 802.11n20, HT0 (SISO) – Chain A

### BE Low Freq Section, Peak – CH100

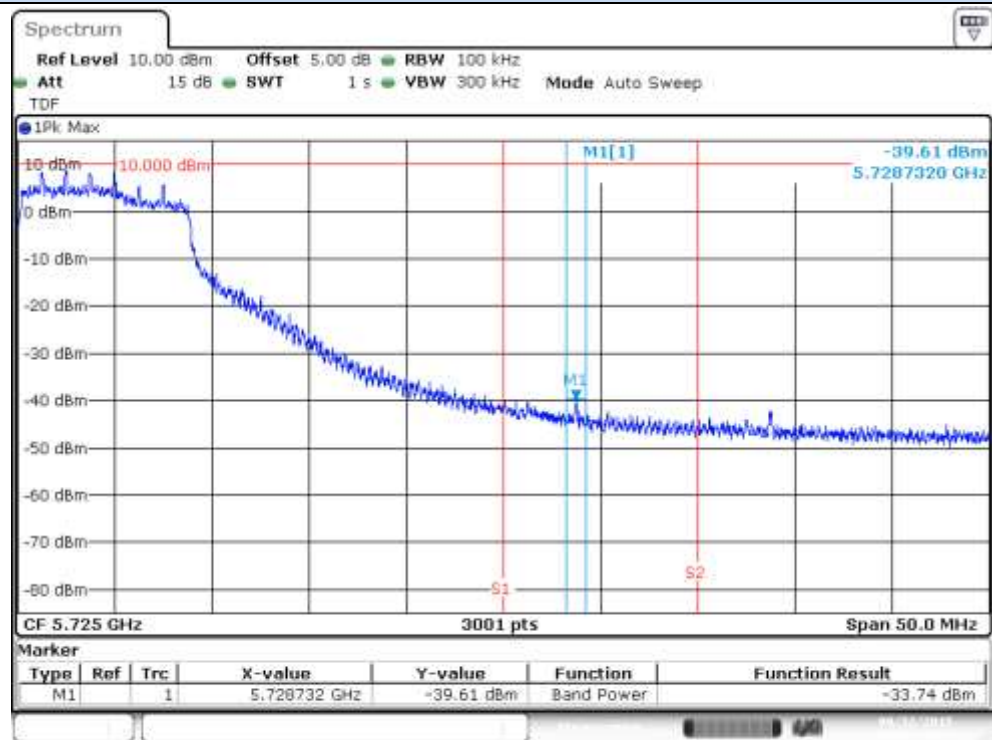


### BE Low Freq Section, RMS – CH100



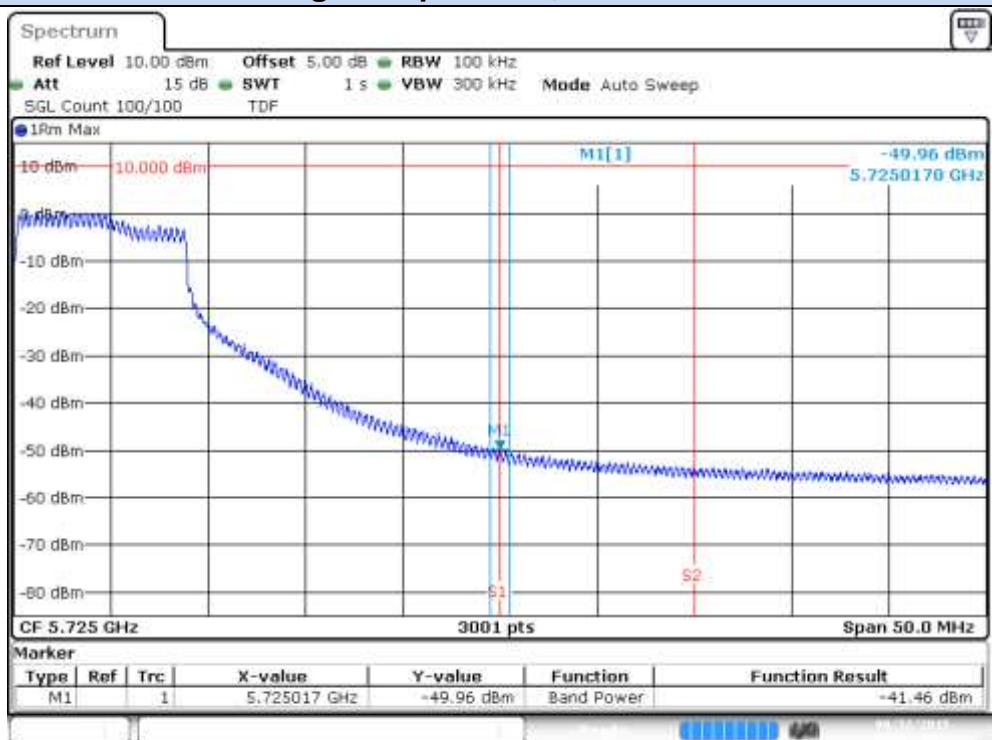


### BE High Freq Section, Peak – CH140



Date: 22 SEP 2015 14:43:34

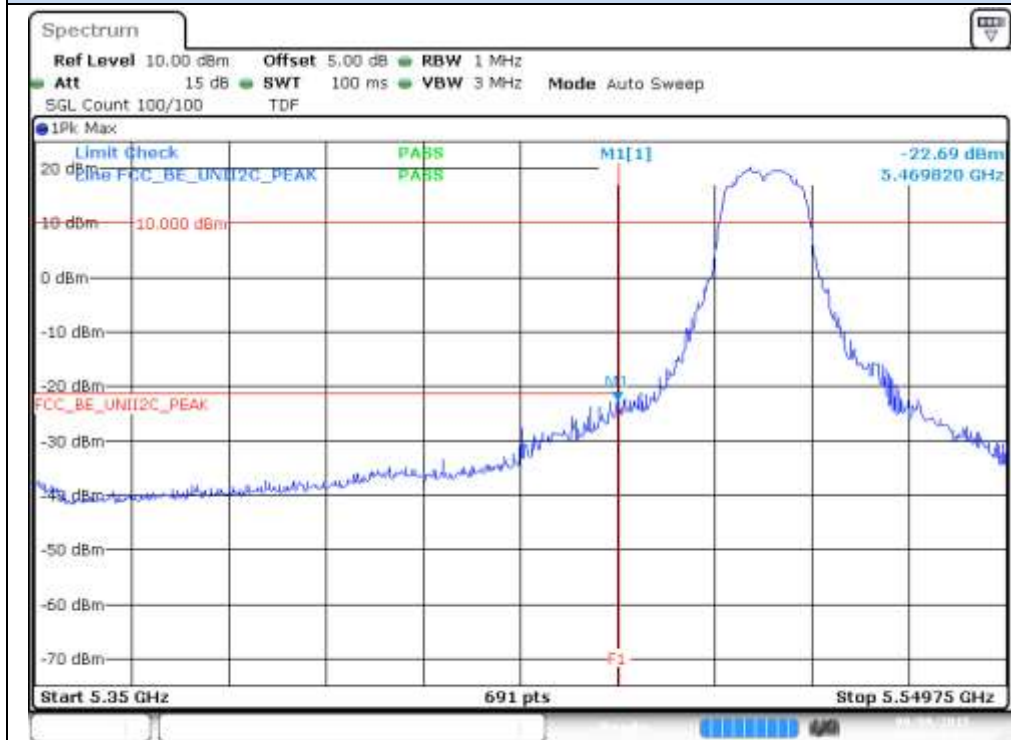
### BE High Freq Section, RMS – CH140



Date: 22 SEP 2015 14:41:32

## 802.11n20, HT0 (SISO) – Chain B

### BE Low Freq Section, Peak – CH100

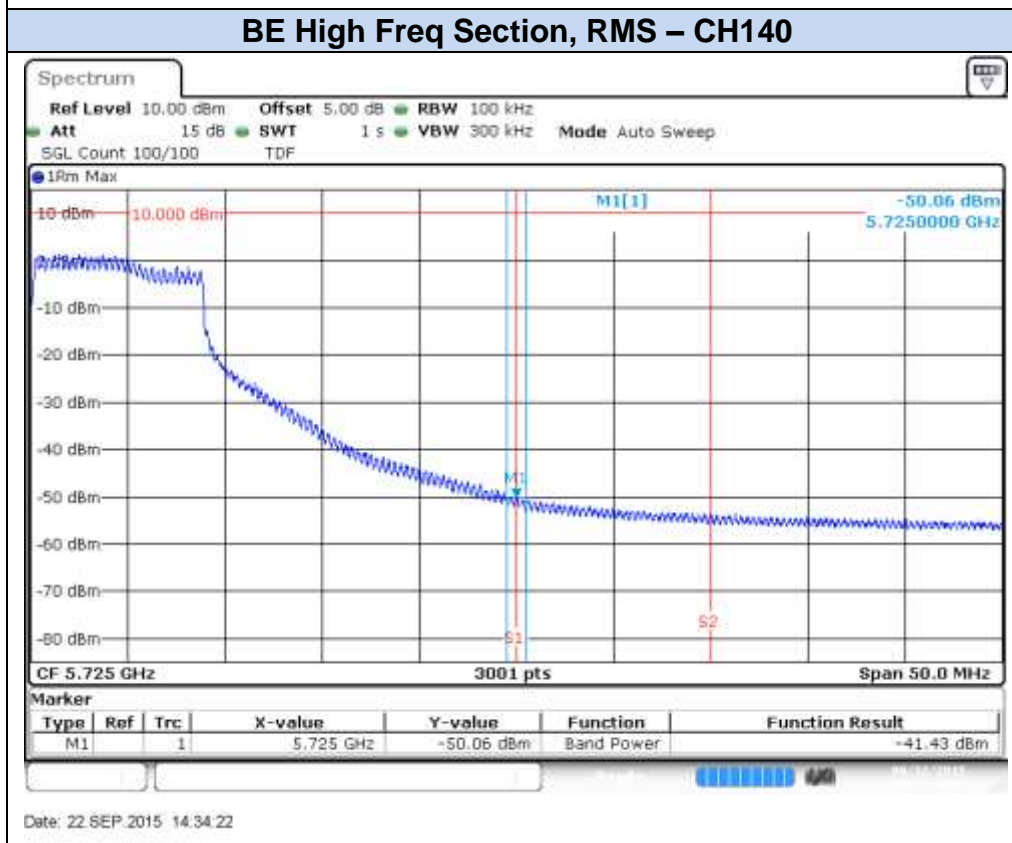
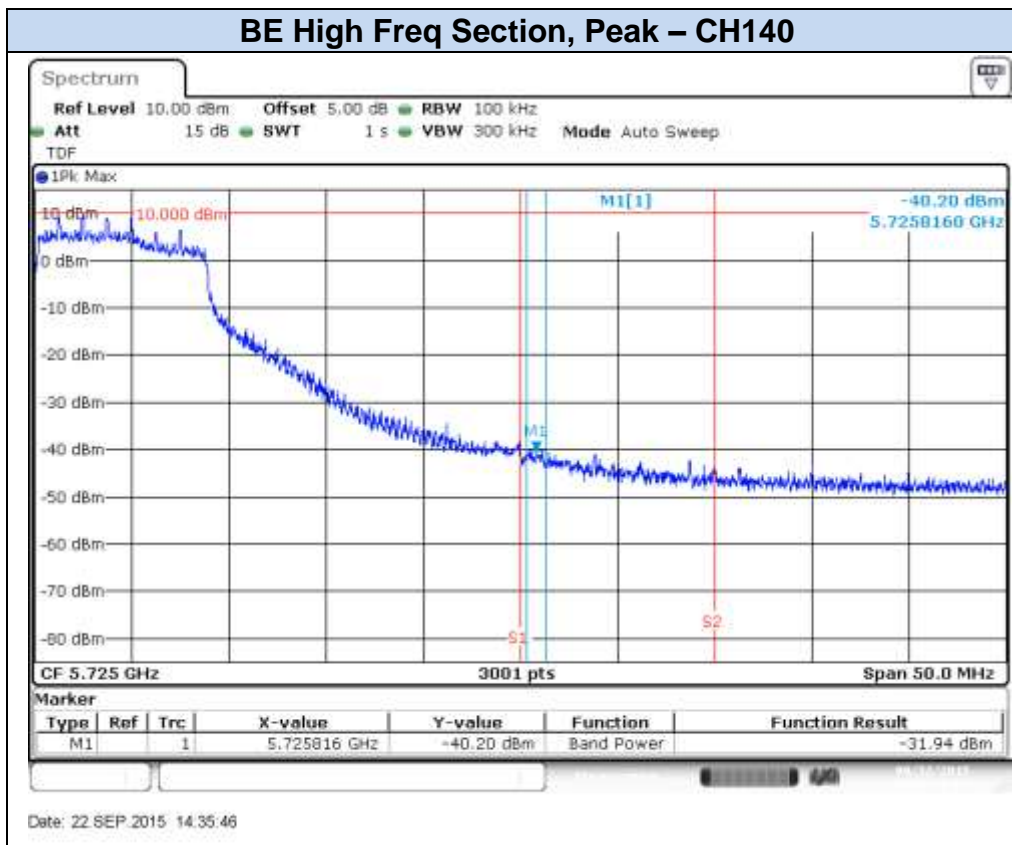


Date: 9.SEP.2015 18:02:01

### BE High Freq Section, RMS – CH100

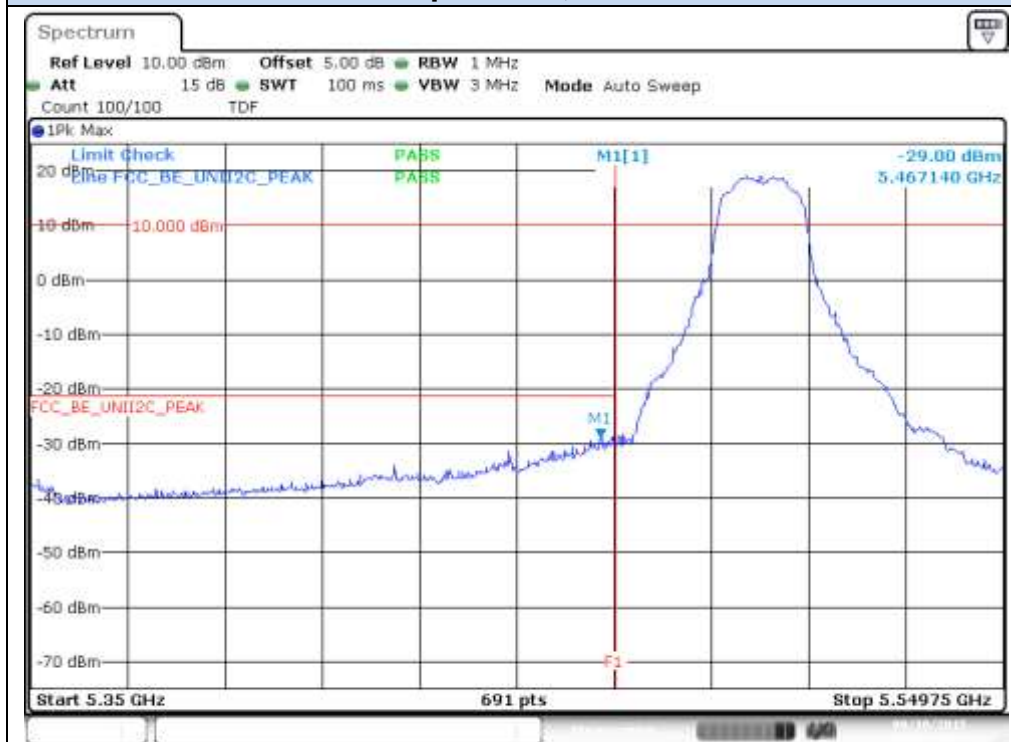


Date: 9.SEP.2015 17:59:56



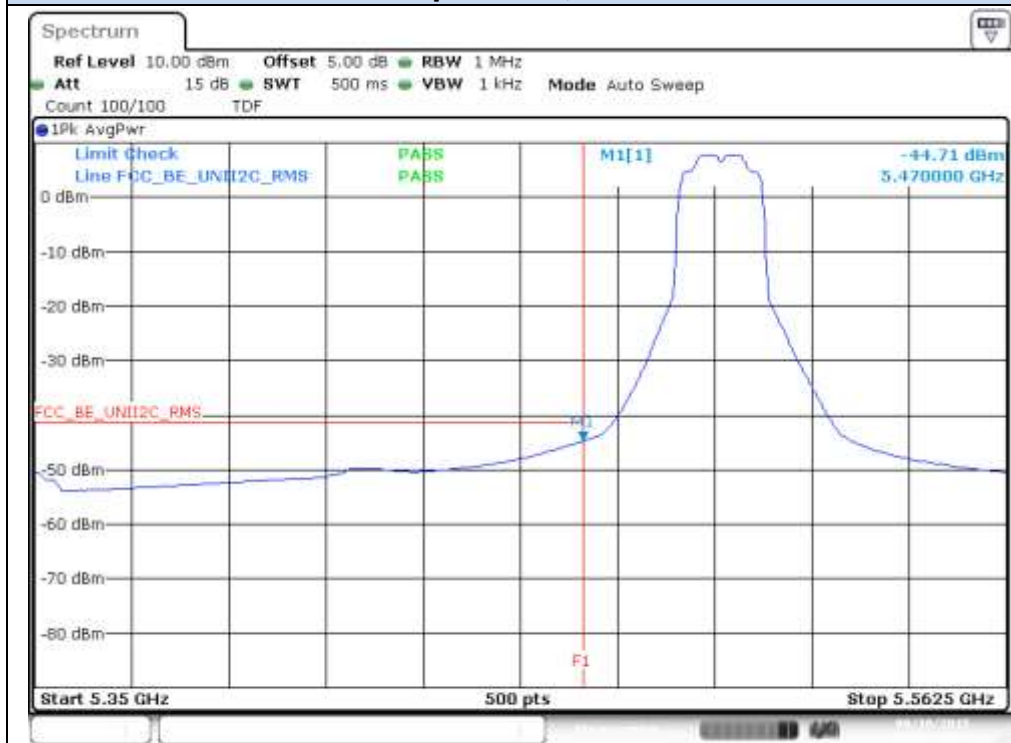
## 802.11n20, HT8 (MIMO) – Chain A

### BE Low Freq Section, Peak – CH100



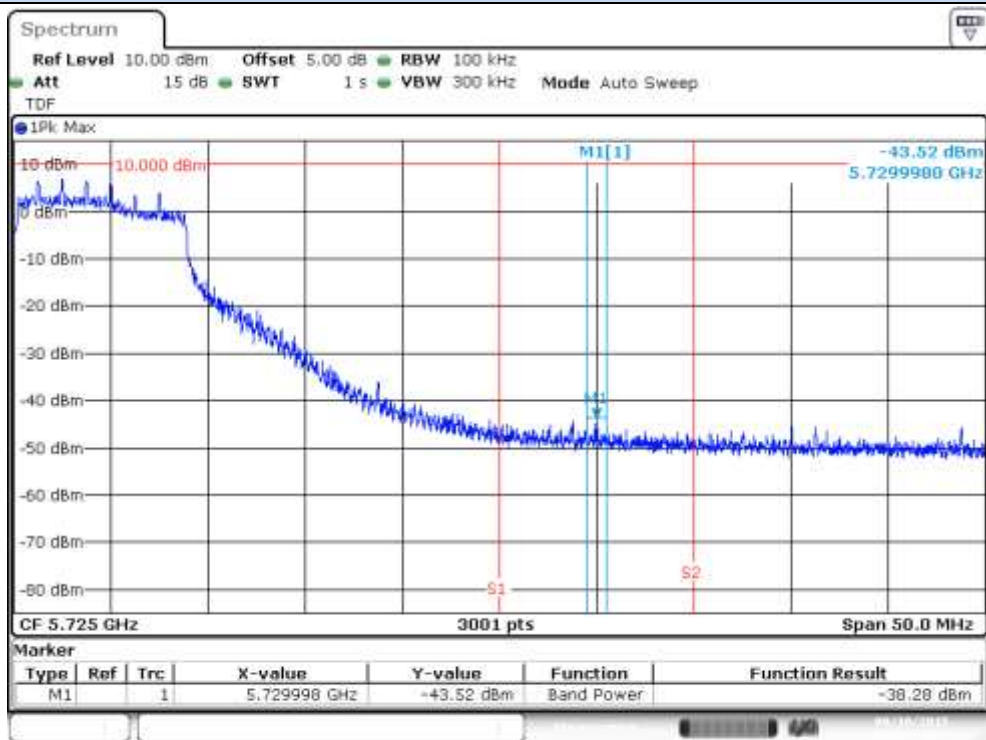
Date: 10 SEP.2015 14:57:12

### BE Low Freq Section, RMS – CH100



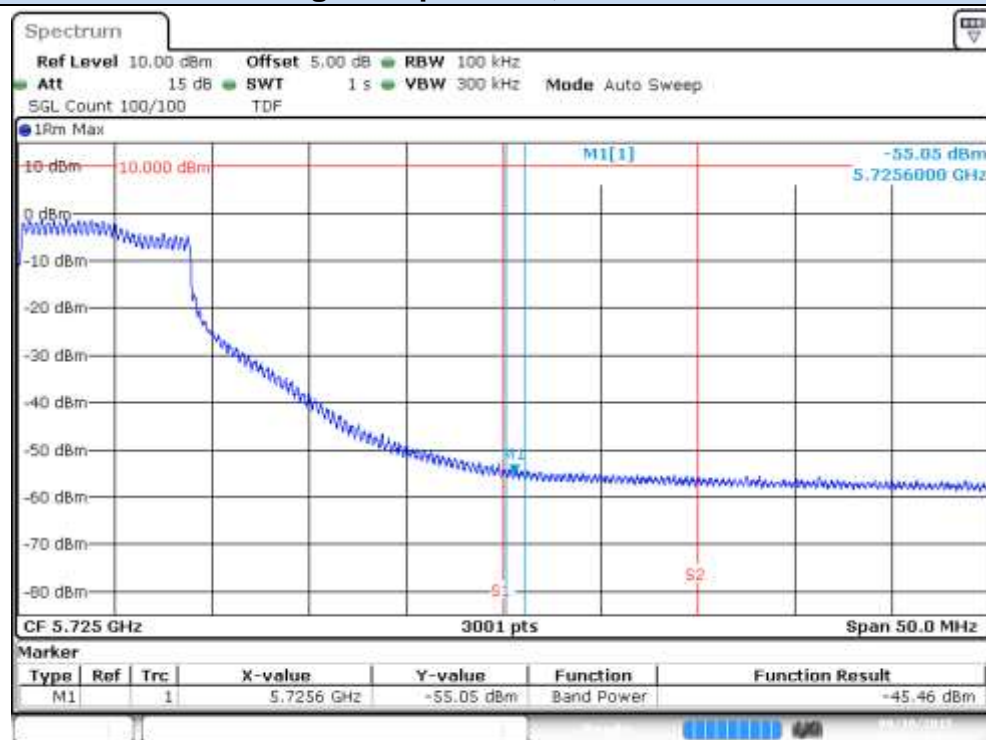
Date: 10 SEP.2015 14:55:13

### BE High Freq Section, Peak – CH140



Date: 10 SEP.2015 15:19:54

### BE High Freq Section, RMS – CH140

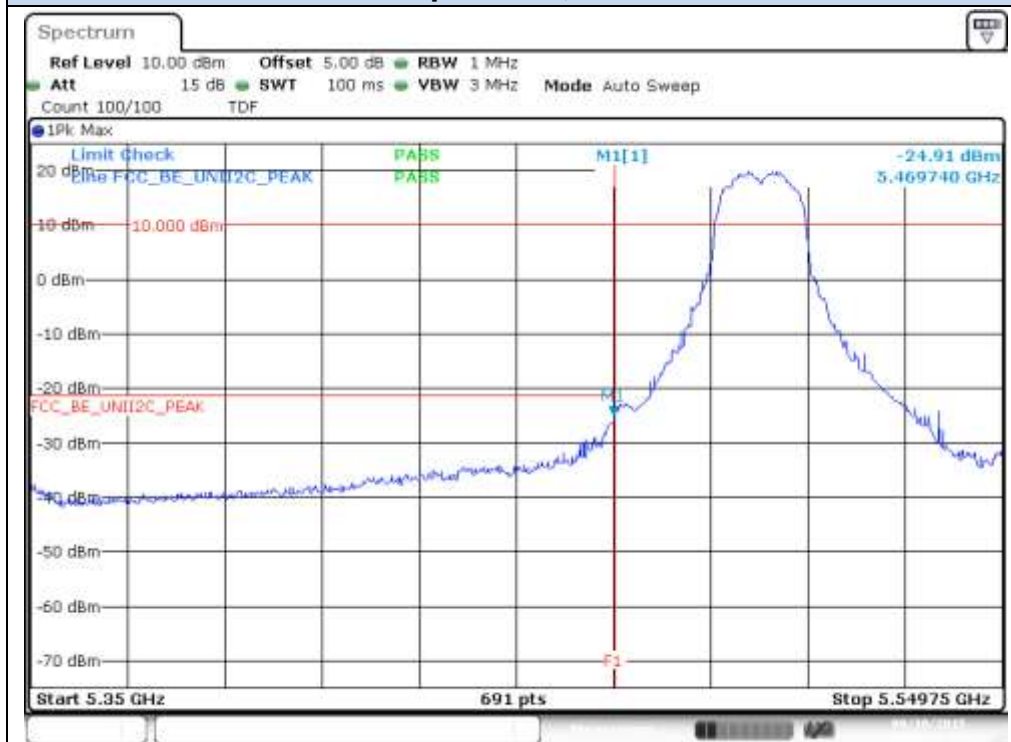


Date: 10 SEP.2015 15:19:10



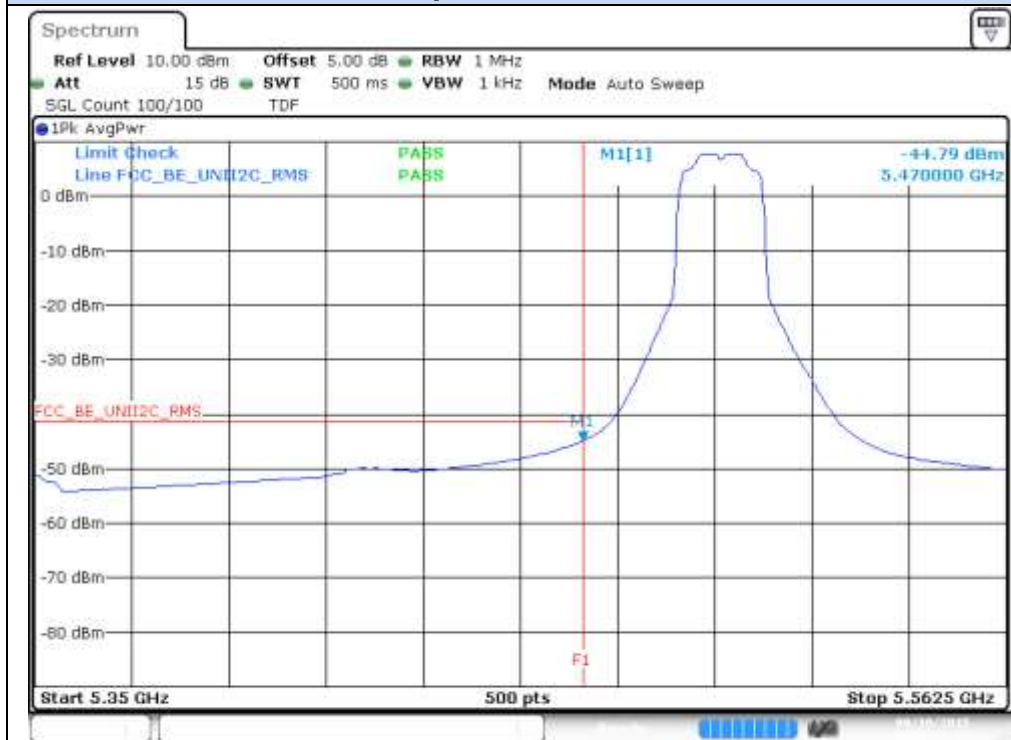
## 802.11n20, HT8 (MIMO) – Chain B

### BE Low Freq Section, Peak – CH100



Date: 10 SEP 2015 11:06:35

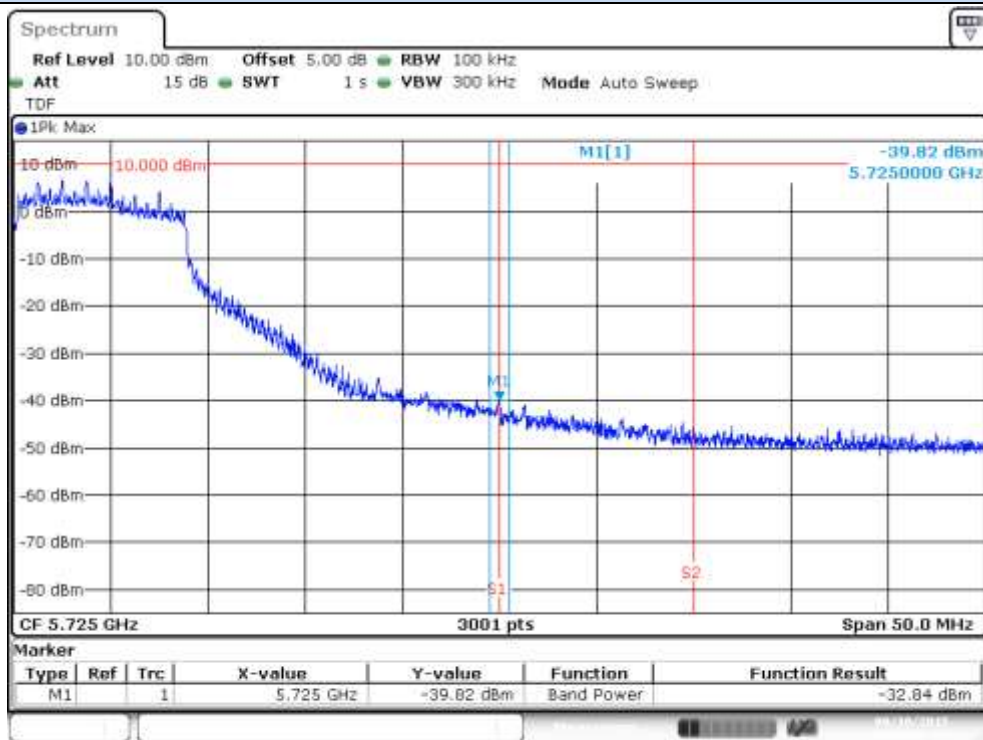
### BE Low Freq Section, RMS – CH100



Date: 10 SEP 2015 11:05:17

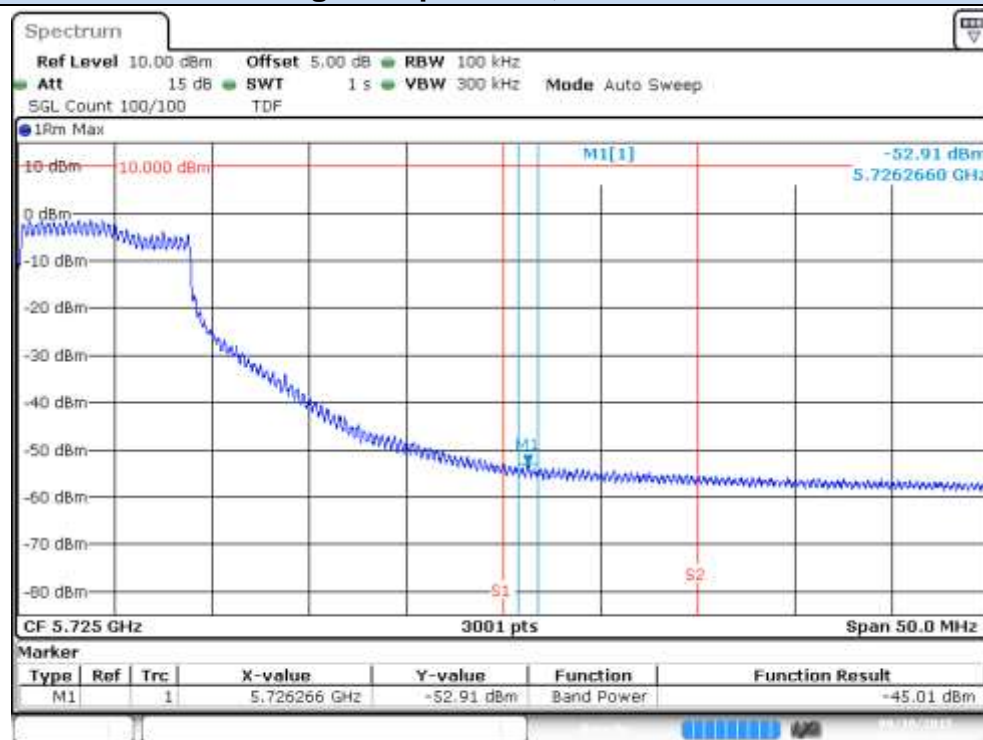


### BE High Freq Section, Peak – CH140



Date: 10 SEP.2015 11:28:00

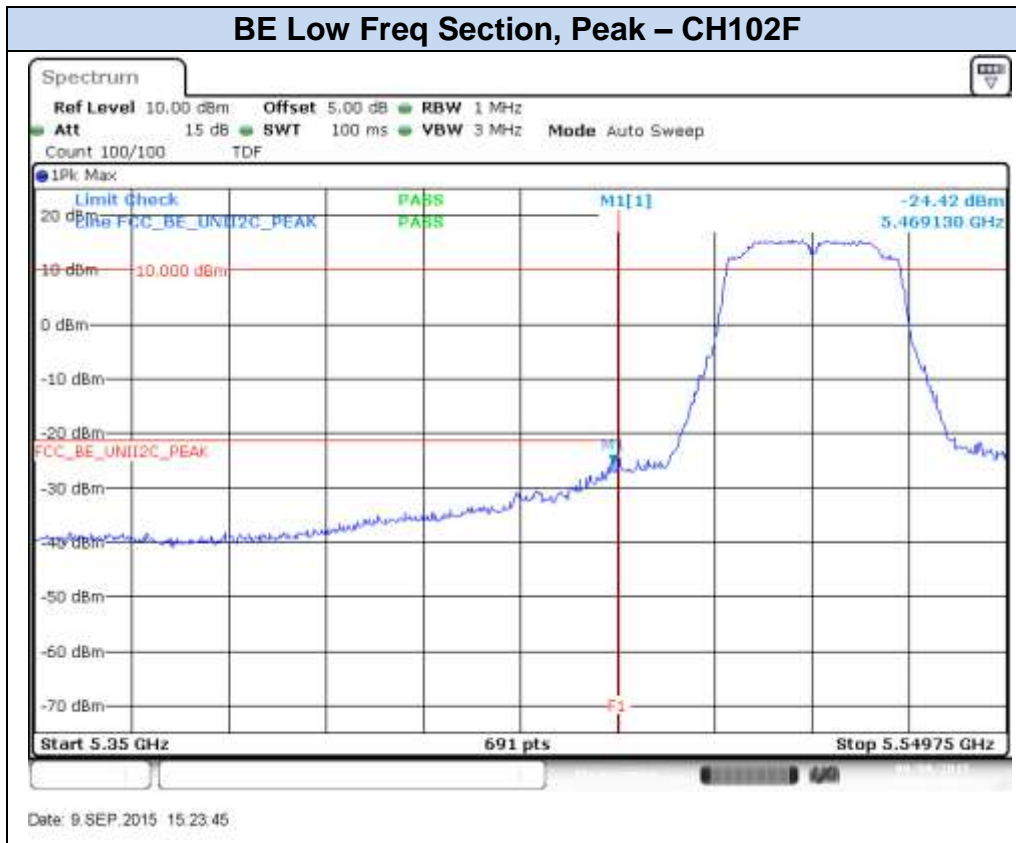
### BE High Freq Section, RMS – CH140



Date: 10 SEP.2015 11:26:48

## 802.11n40, HT0 (SISO) – Chain A

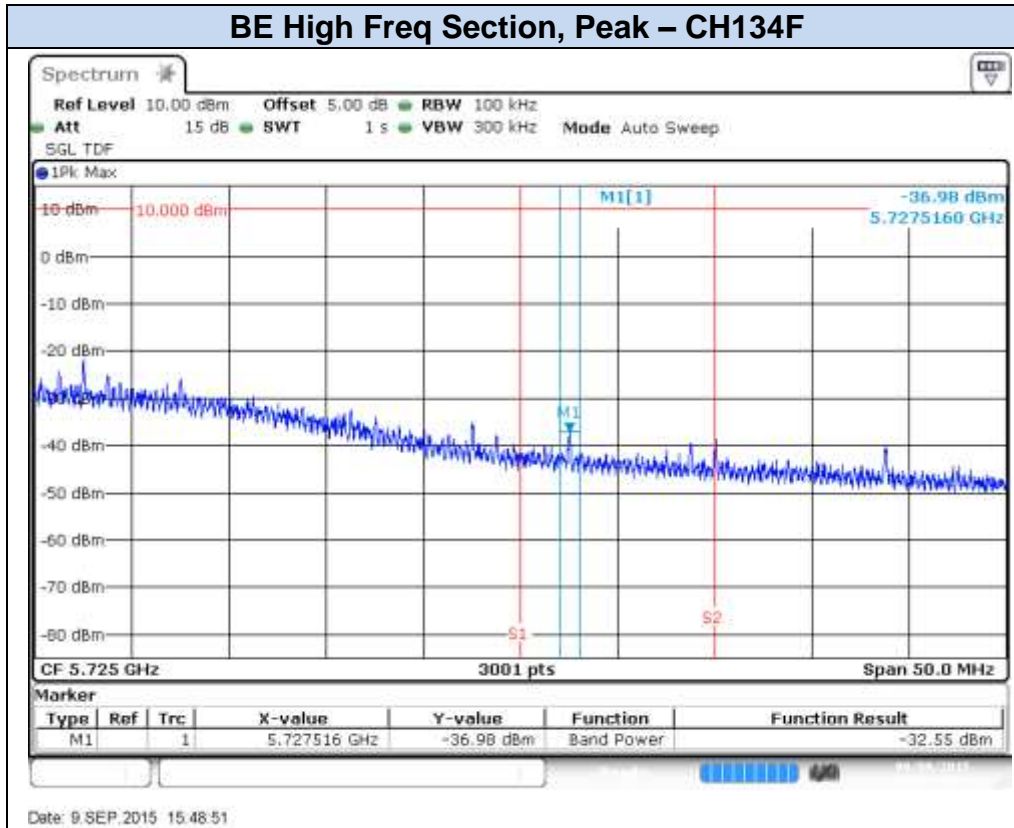
### BE Low Freq Section, Peak – CH102F



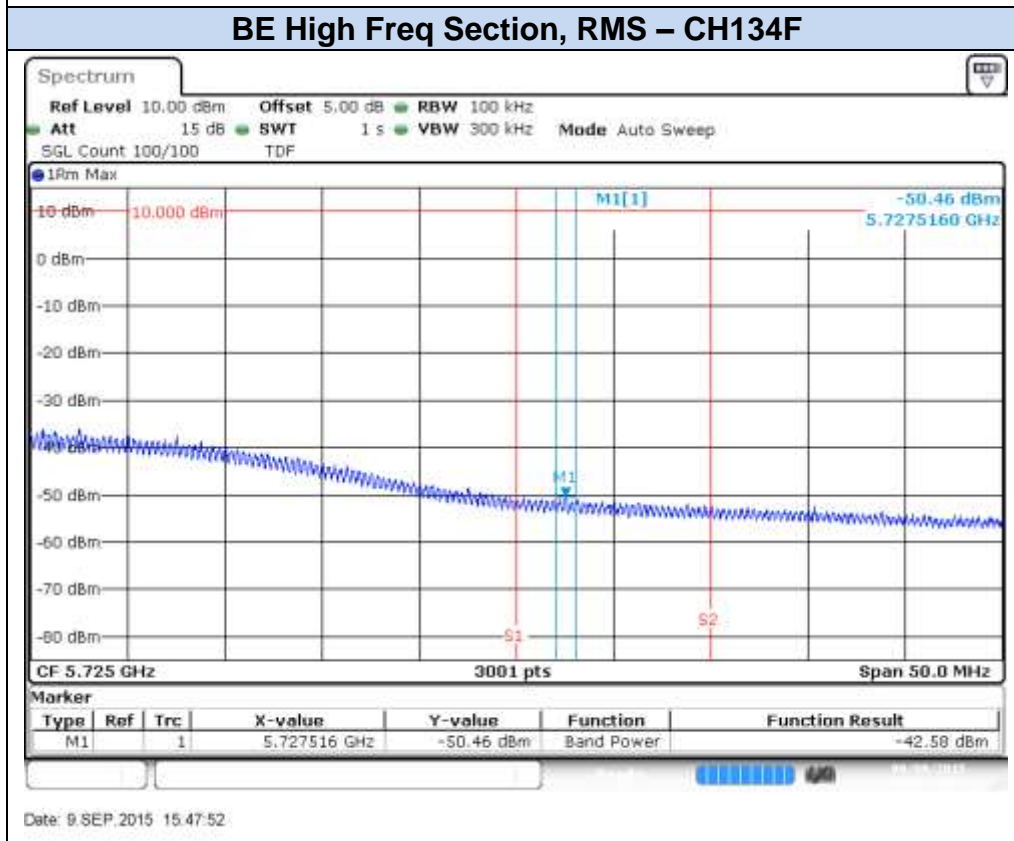
### BE Low Freq Section, RMS – CH102F



### BE High Freq Section, Peak – CH134F

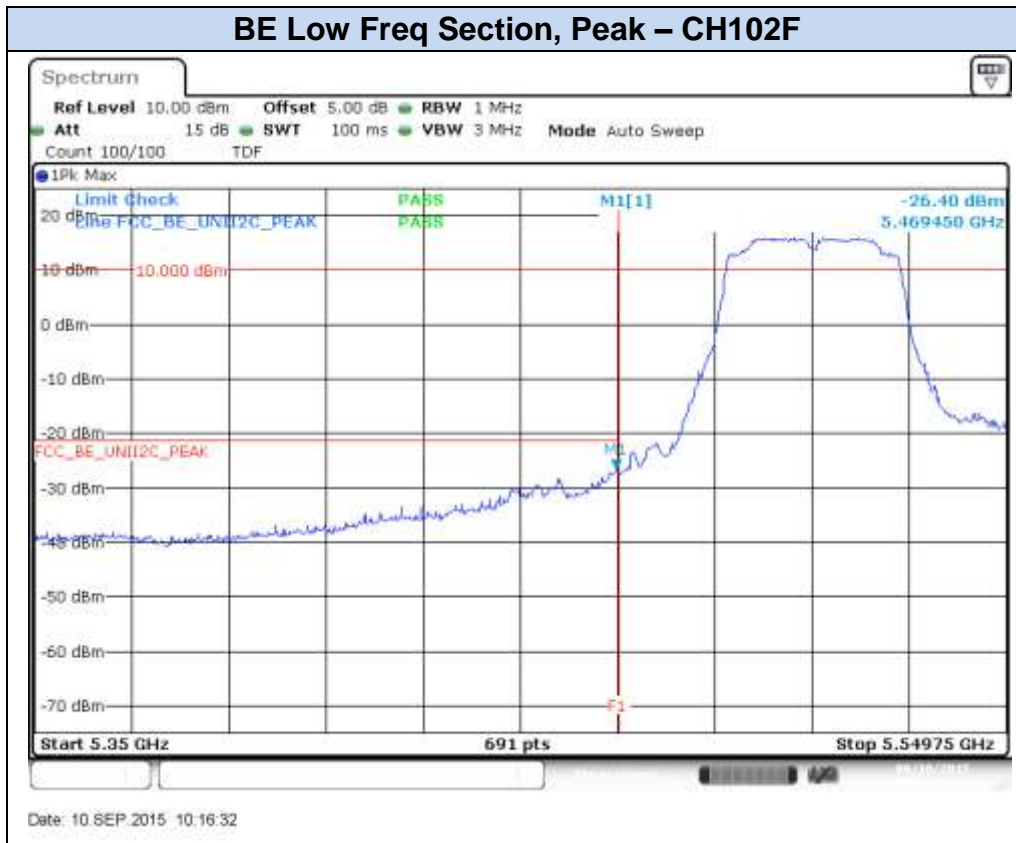


### BE High Freq Section, RMS – CH134F



## 802.11n40, HT0 (SISO) – Chain B

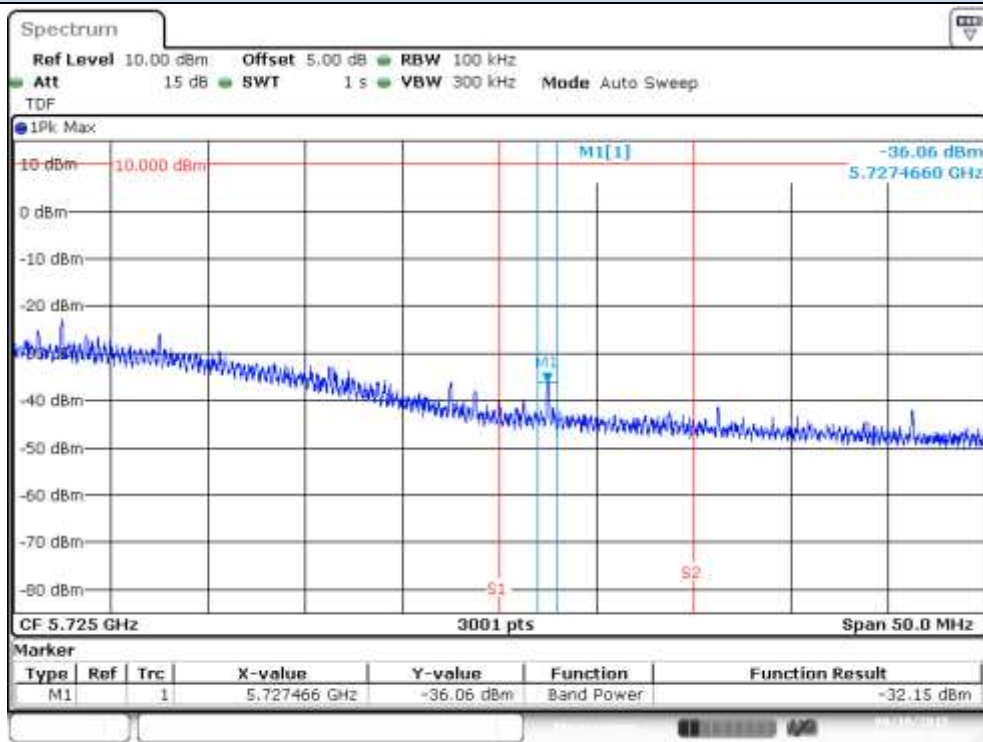
### BE Low Freq Section, Peak – CH102F



### BE Low Freq Section, RMS – CH102F

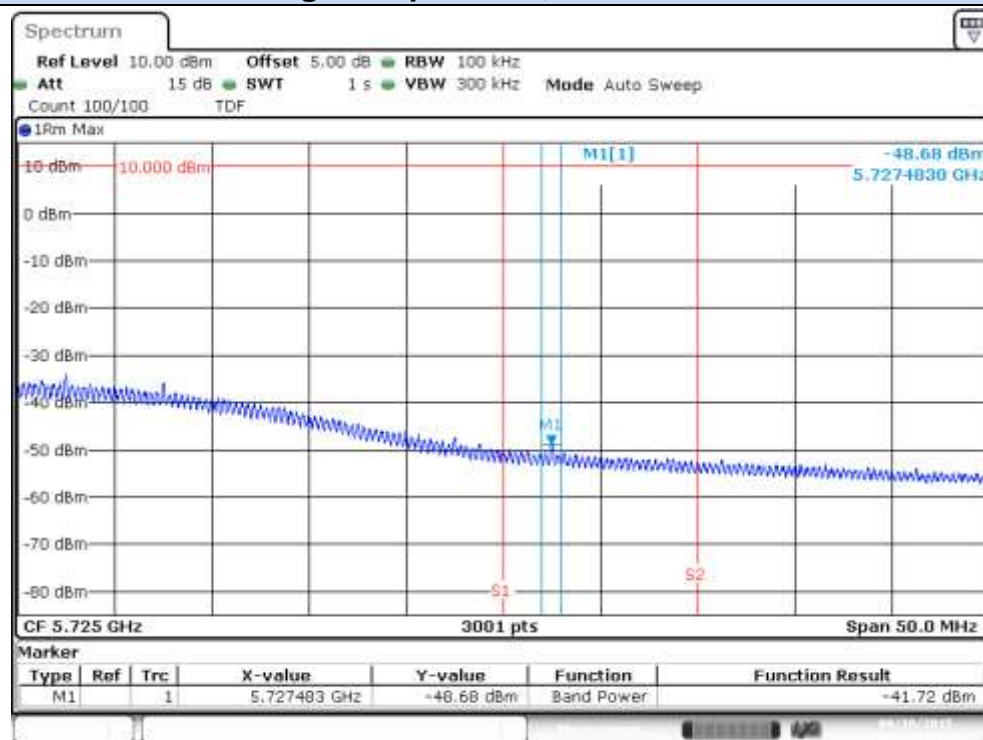


### BE High Freq Section, Peak – CH134F



Date: 10 SEP.2015 10:31:50

### BE High Freq Section, RMS – CH134F

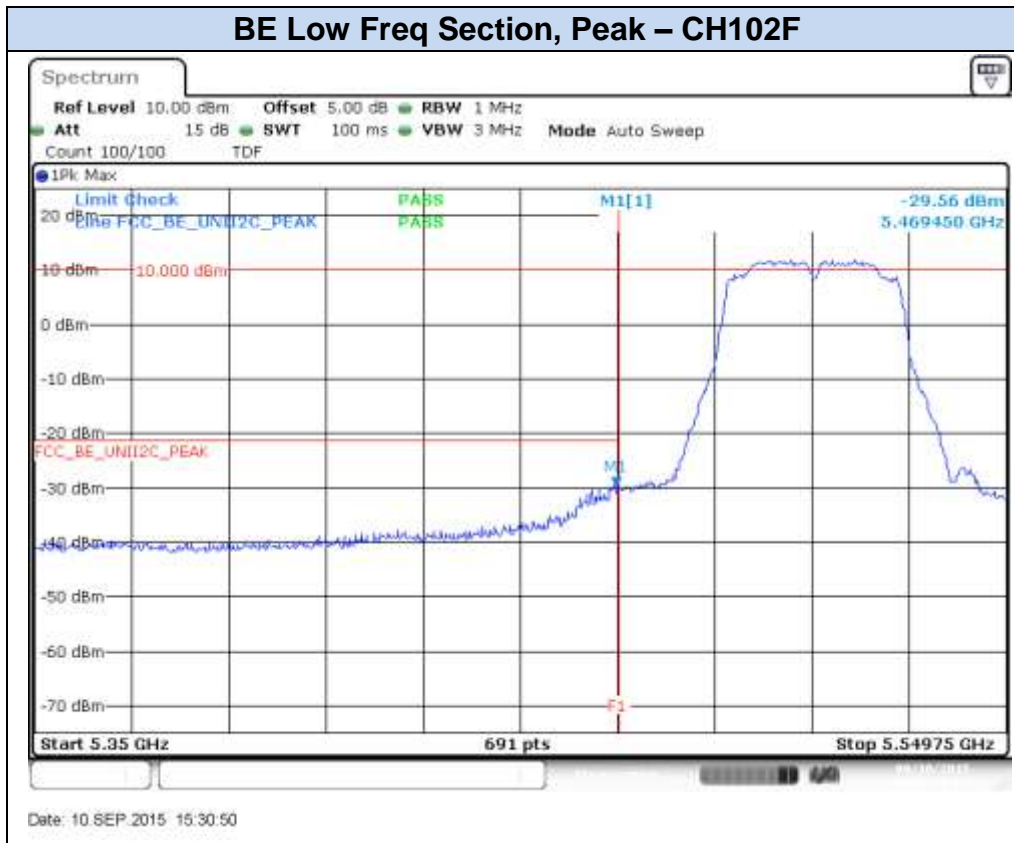


Date: 10 SEP.2015 10:31:11

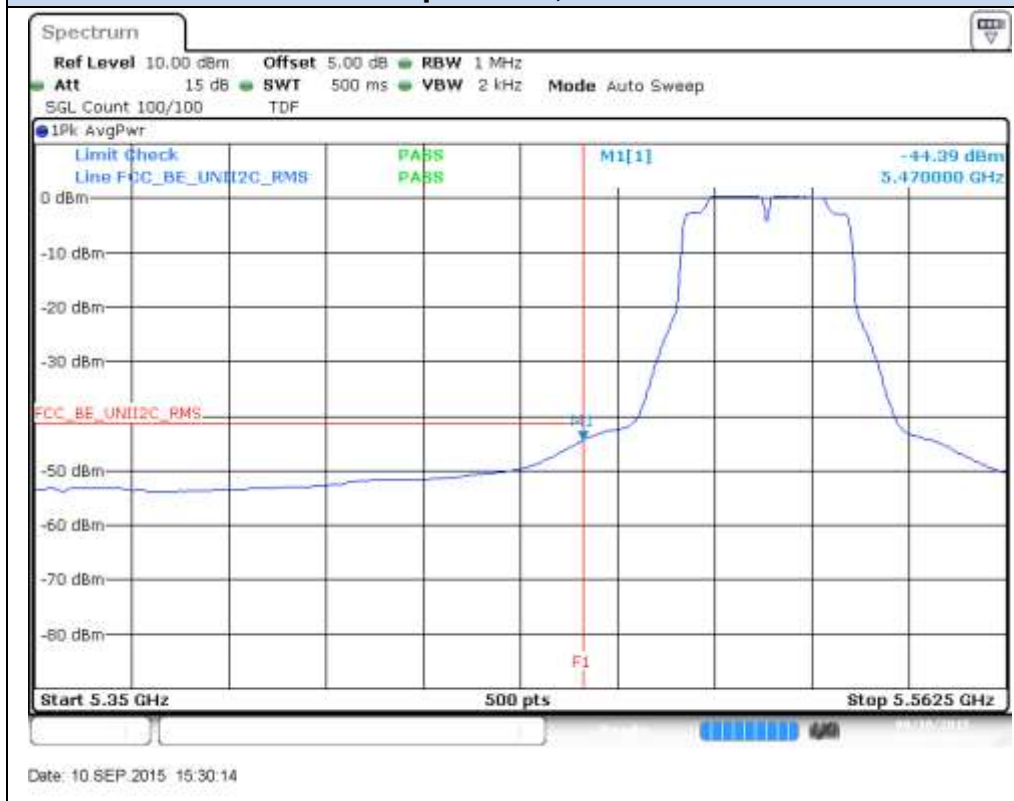


## 802.11n40, HT8 (MIMO) – Chain A

### BE Low Freq Section, Peak – CH102F

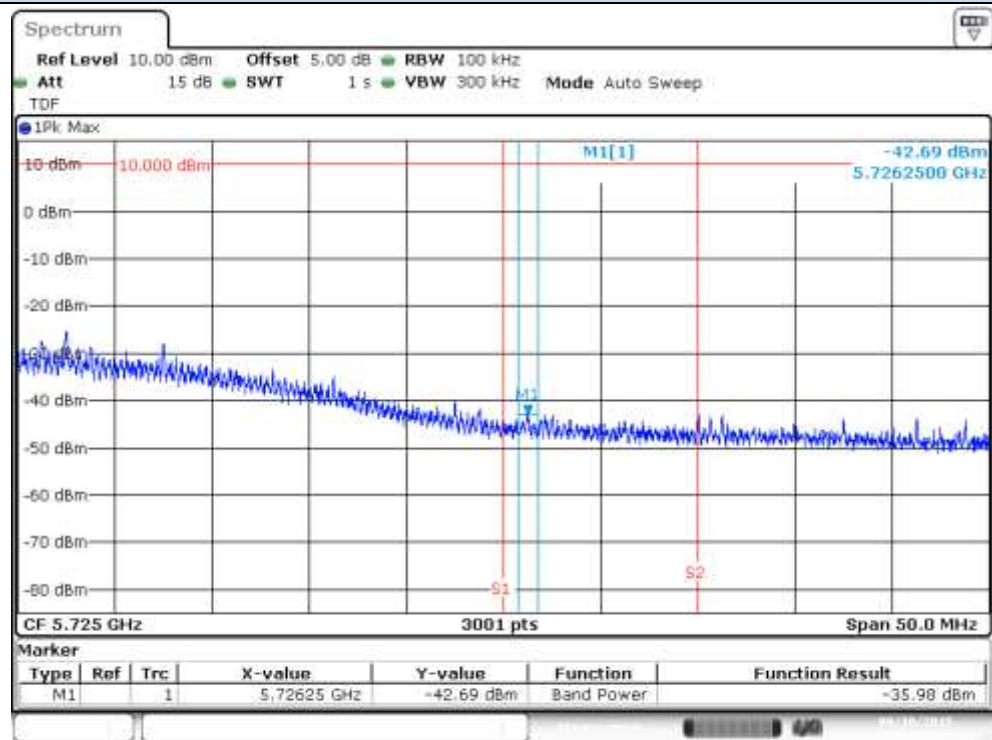


### BE Low Freq Section, RMS – CH102F



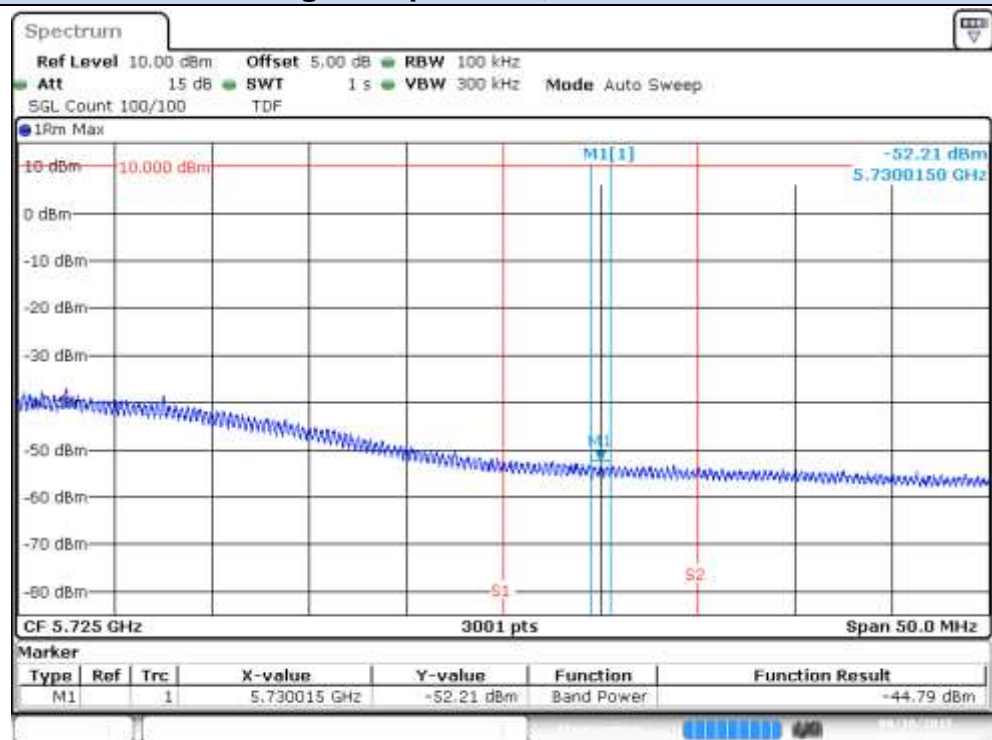


### BE High Freq Section, Peak – CH134F



Date: 10 SEP.2015 15:44:52

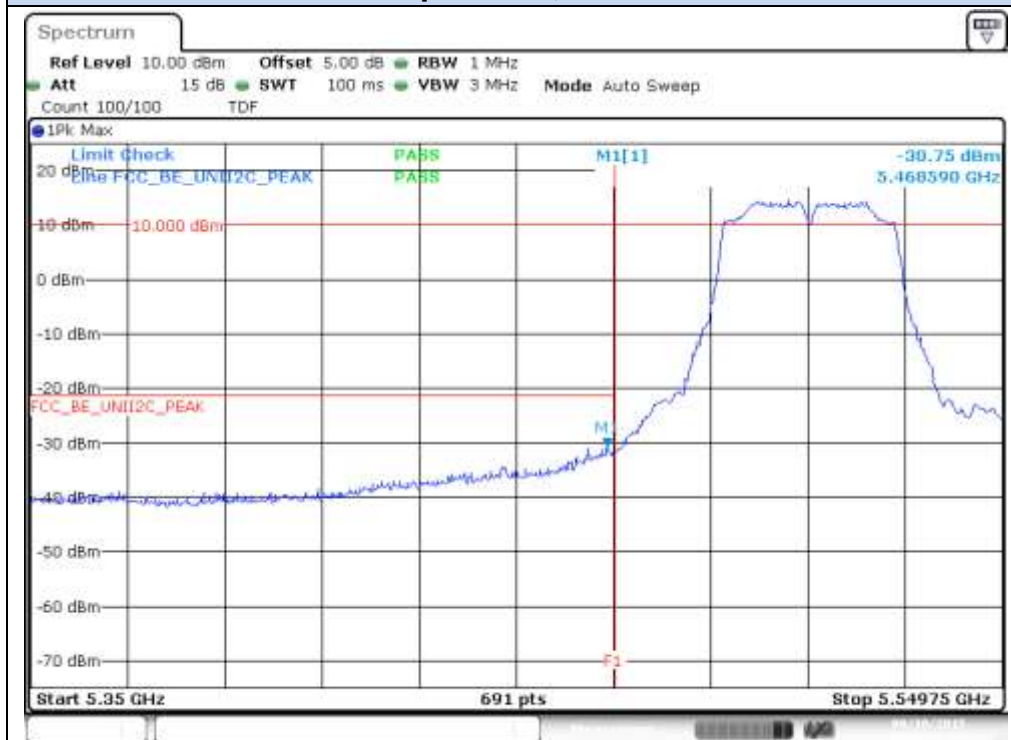
### BE High Freq Section, RMS – CH134F



Date: 10 SEP.2015 15:44:18

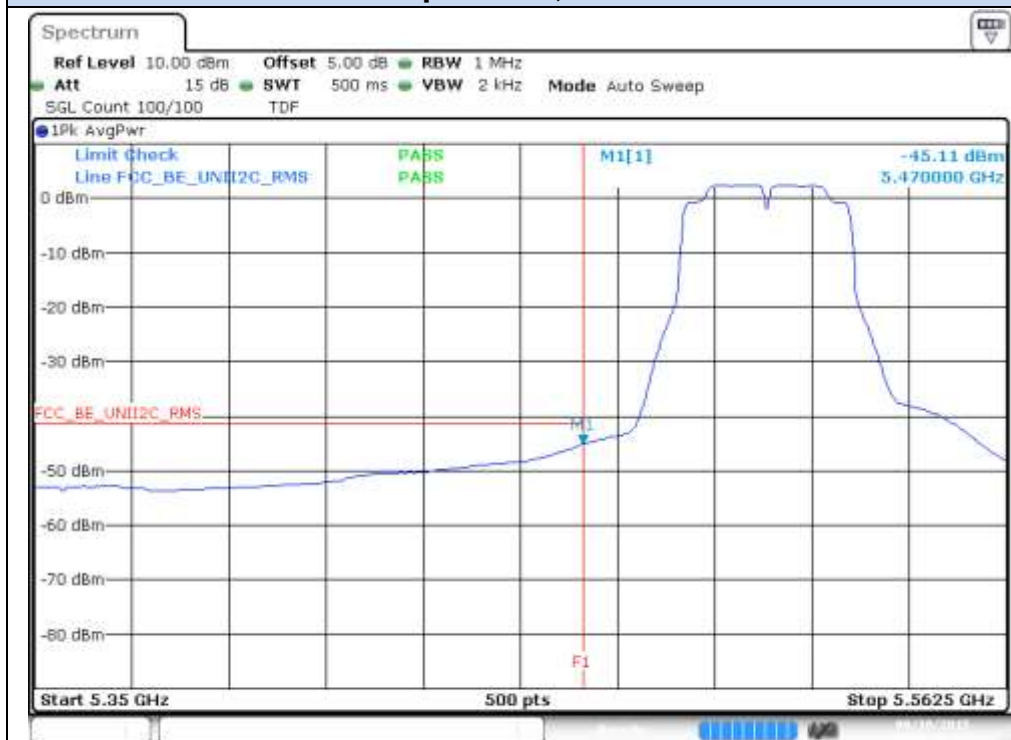
## 802.11n40, HT8 (MIMO) – Chain B

### BE Low Freq Section, Peak – CH102F



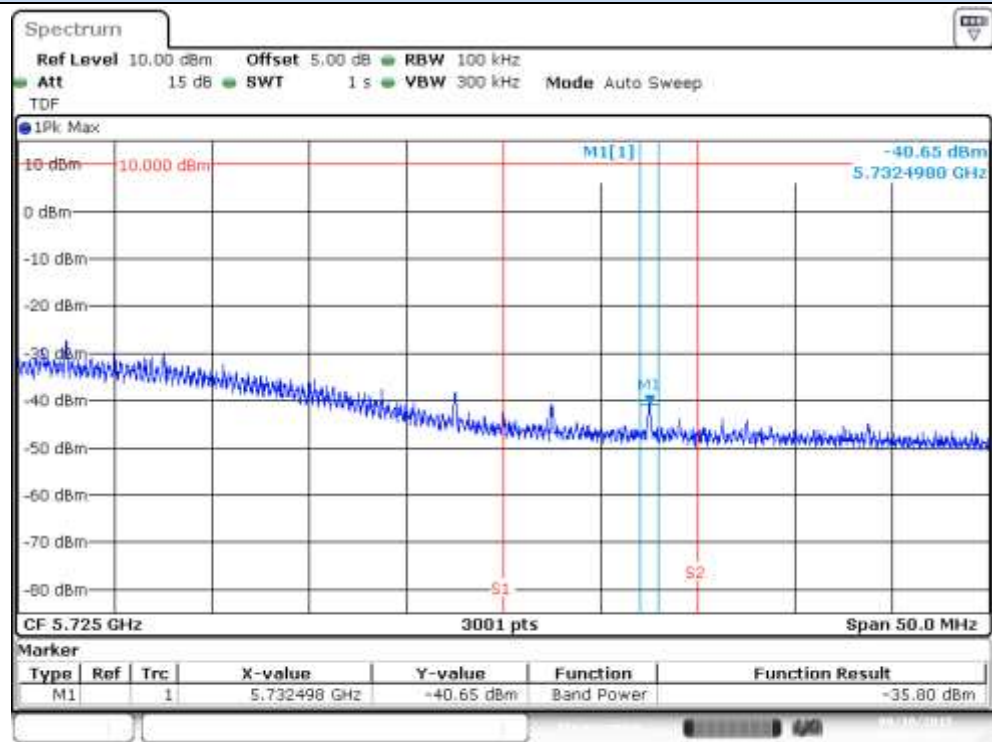
Date: 10 SEP 2015 11:51:15

### BE Low Freq Section, RMS – CH102F



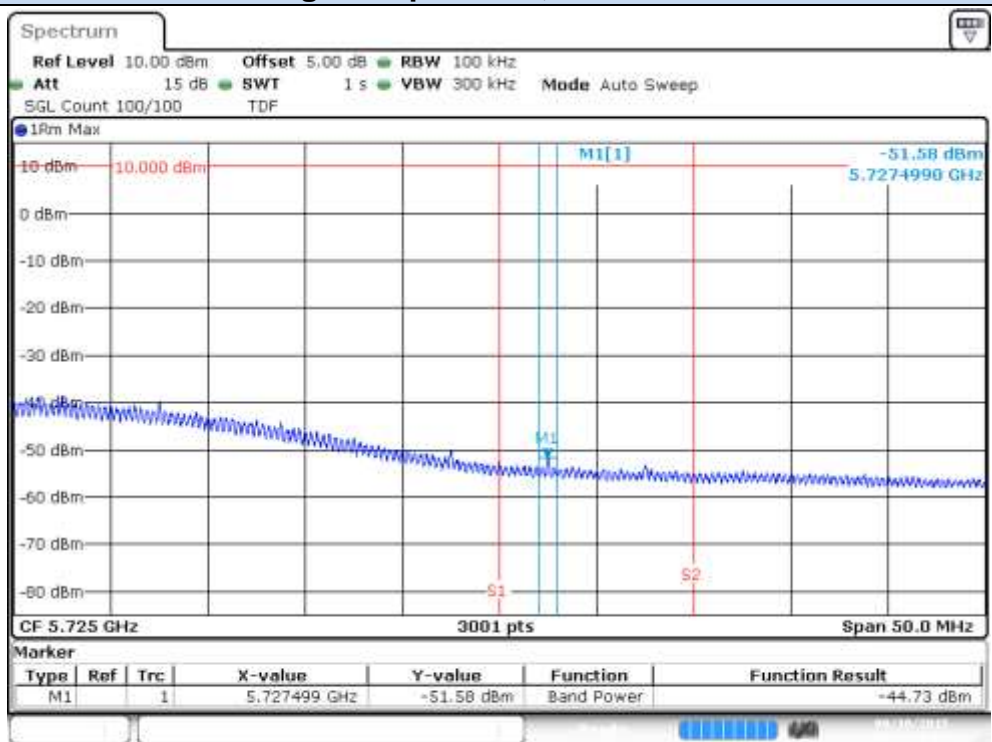
Date: 10 SEP 2015 11:50:49

### BE High Freq Section, Peak – CH134F



Date: 10 SEP.2015 14:18:25

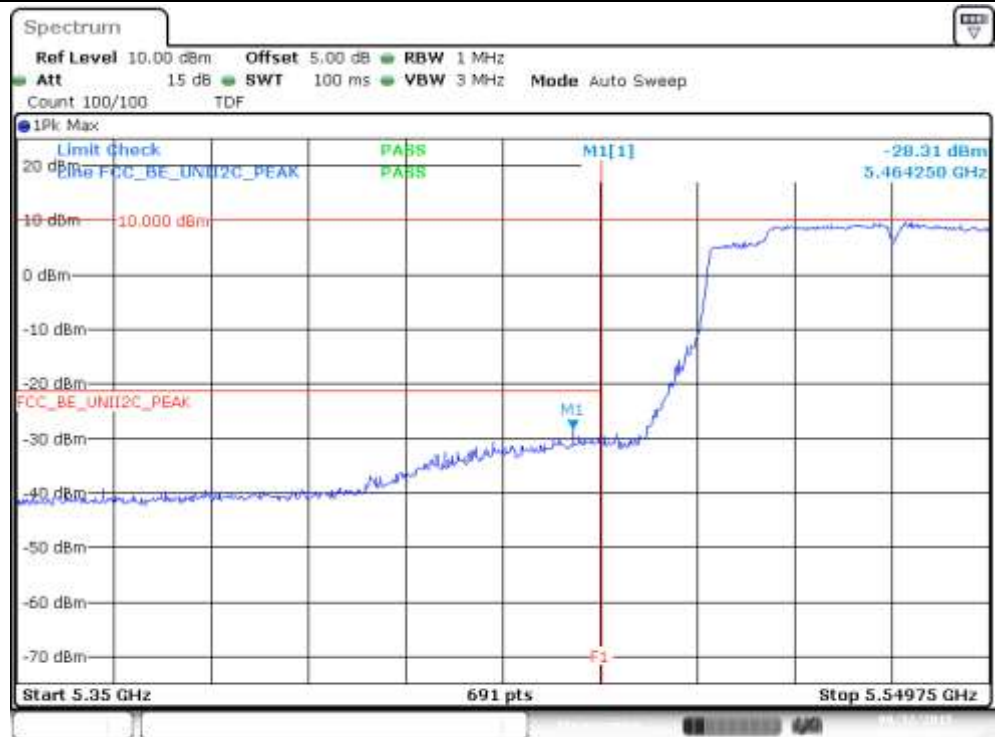
### BE High Freq Section, RMS – CH134F



Date: 10 SEP.2015 14:17:38

## 802.11ac80, VHT0 (SISO) – Chain A

### BE Low Freq Section, Peak – CH106ac80

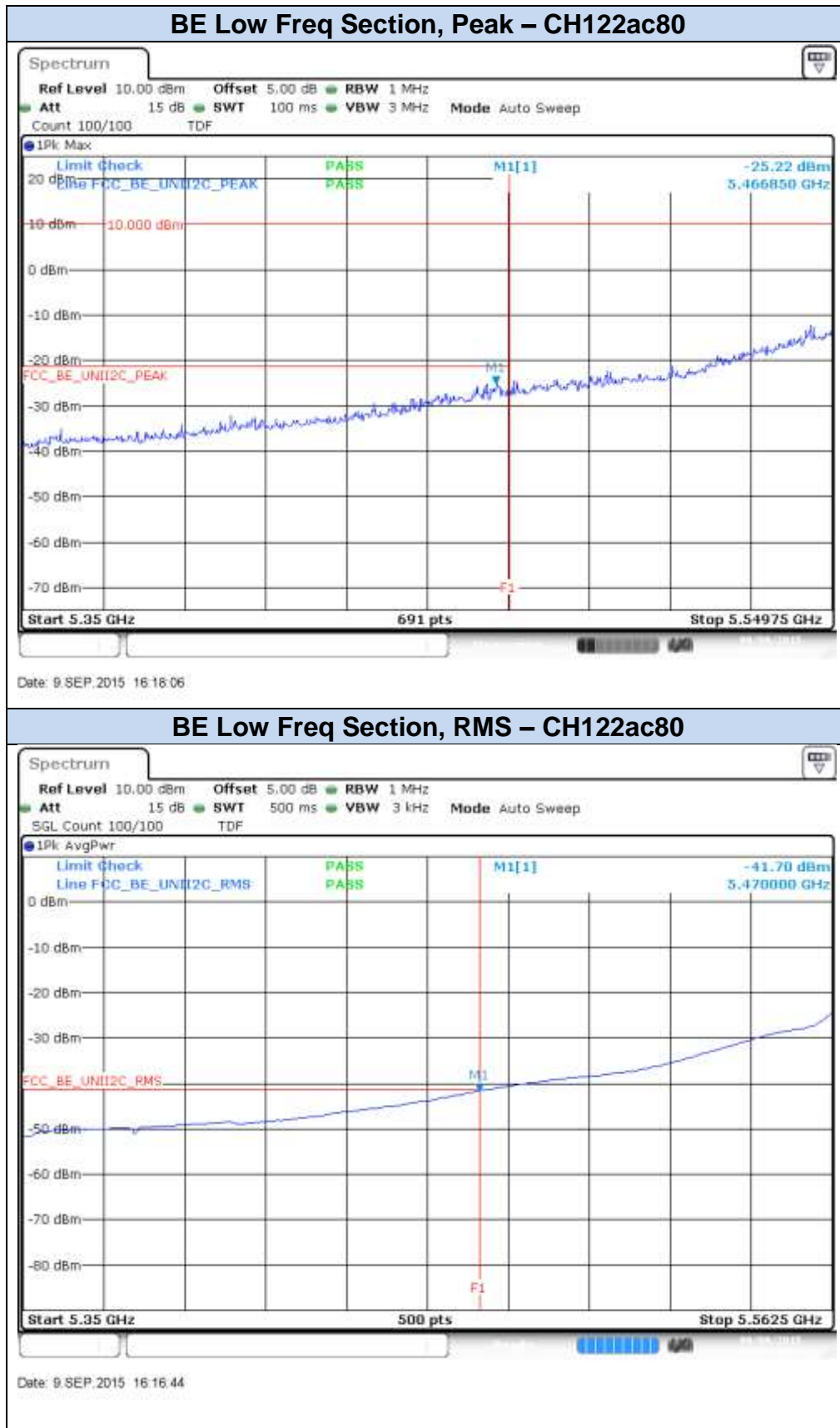


Date: 22 SEP 2015 14:52:03

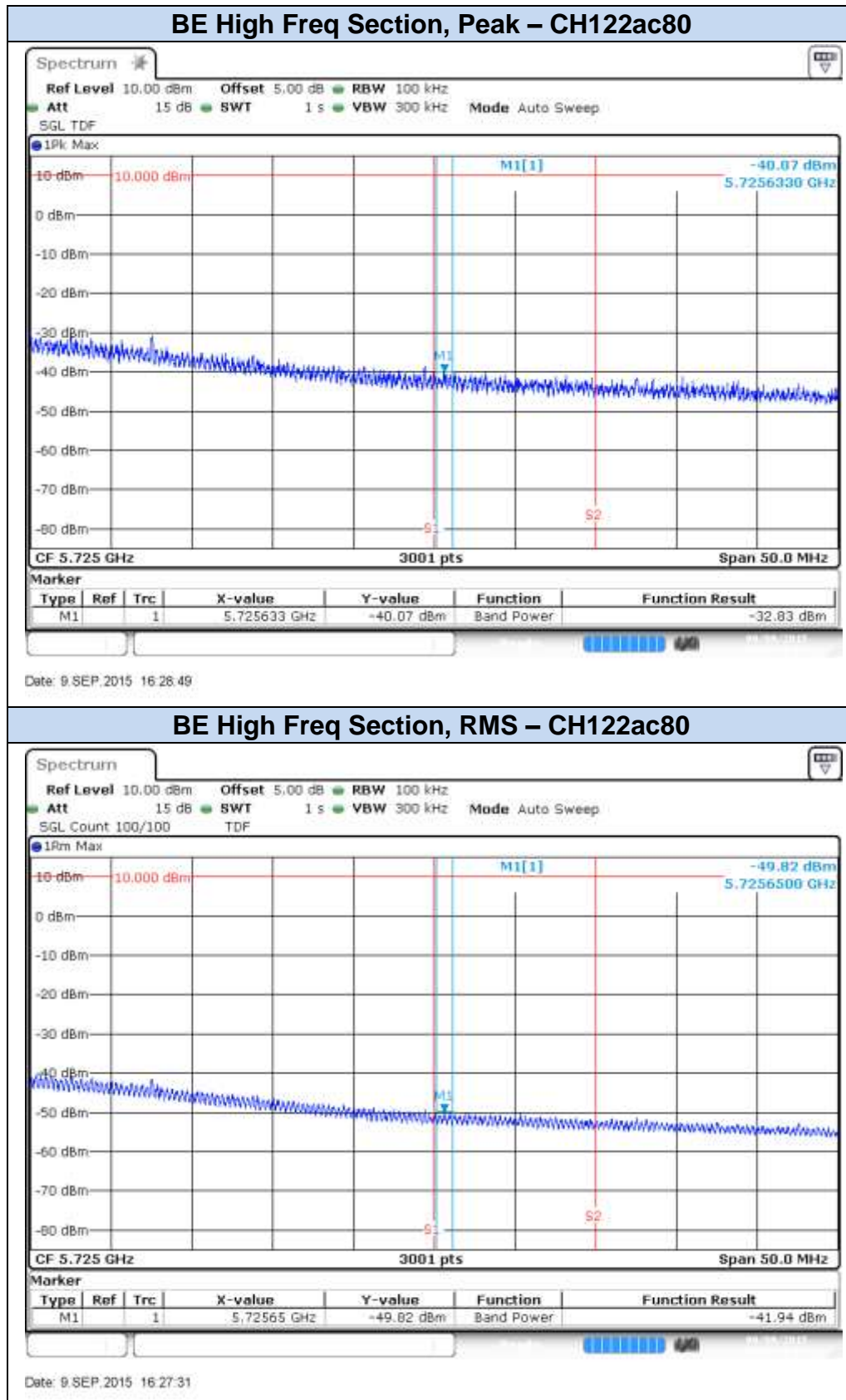
### BE Low Freq Section, RMS – CH106ac80



Date: 22 SEP 2015 14:51:32



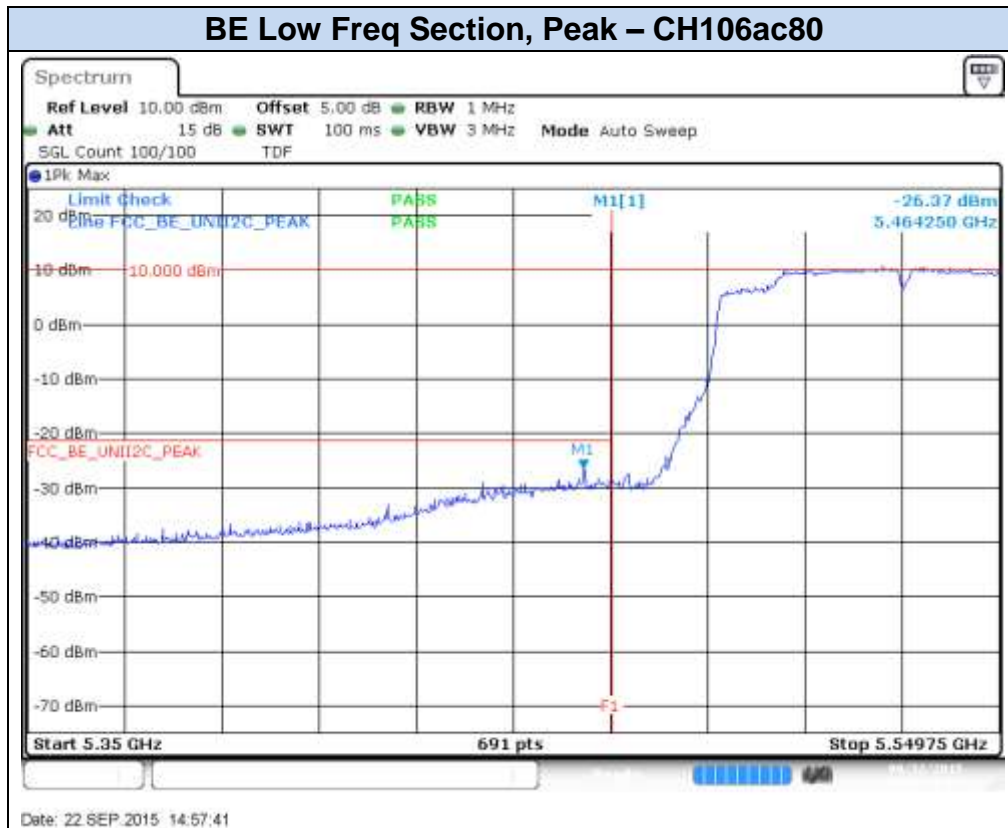




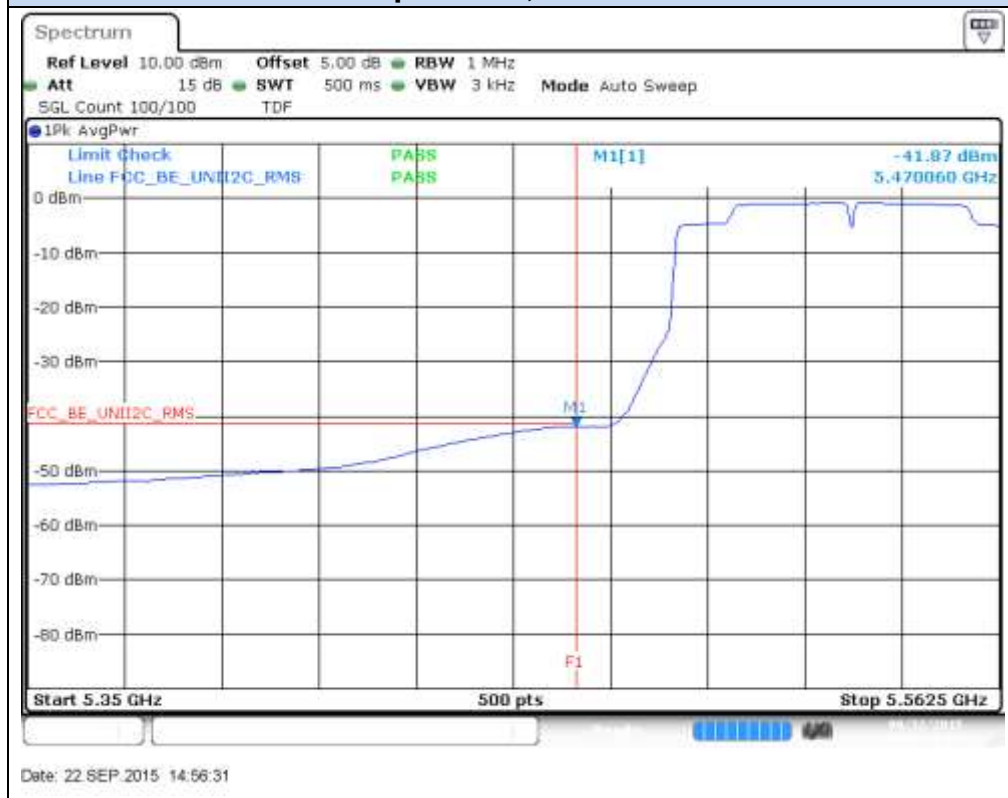


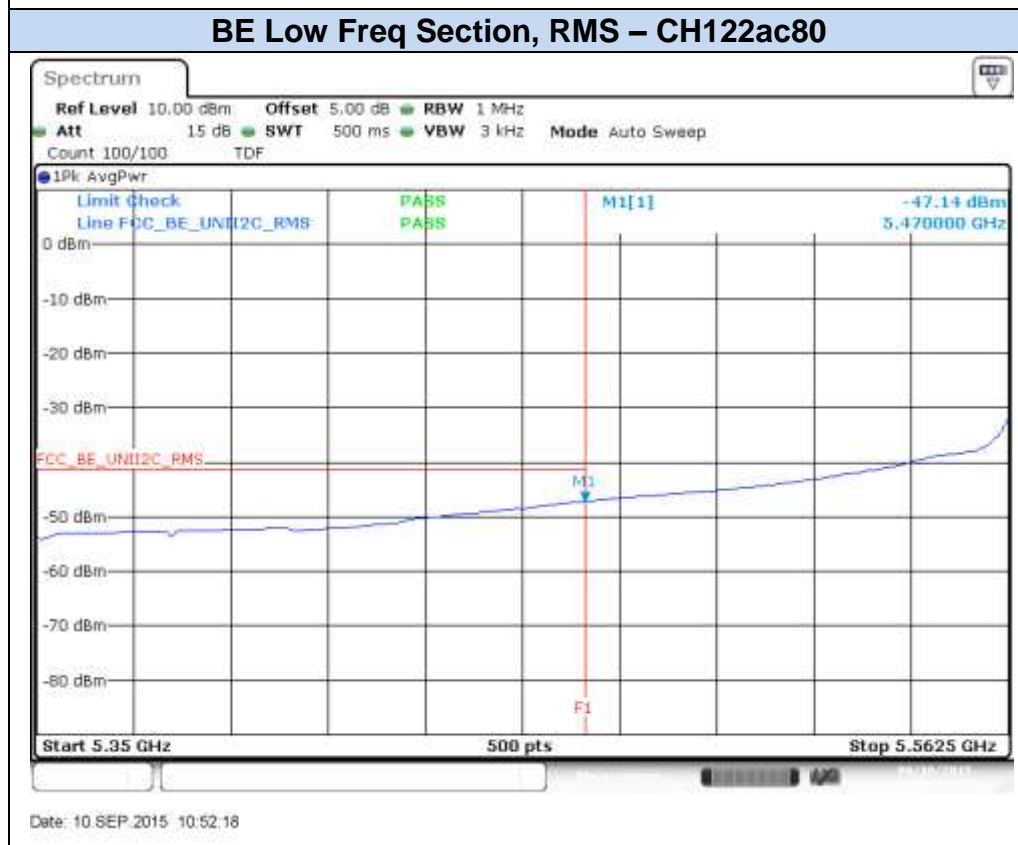
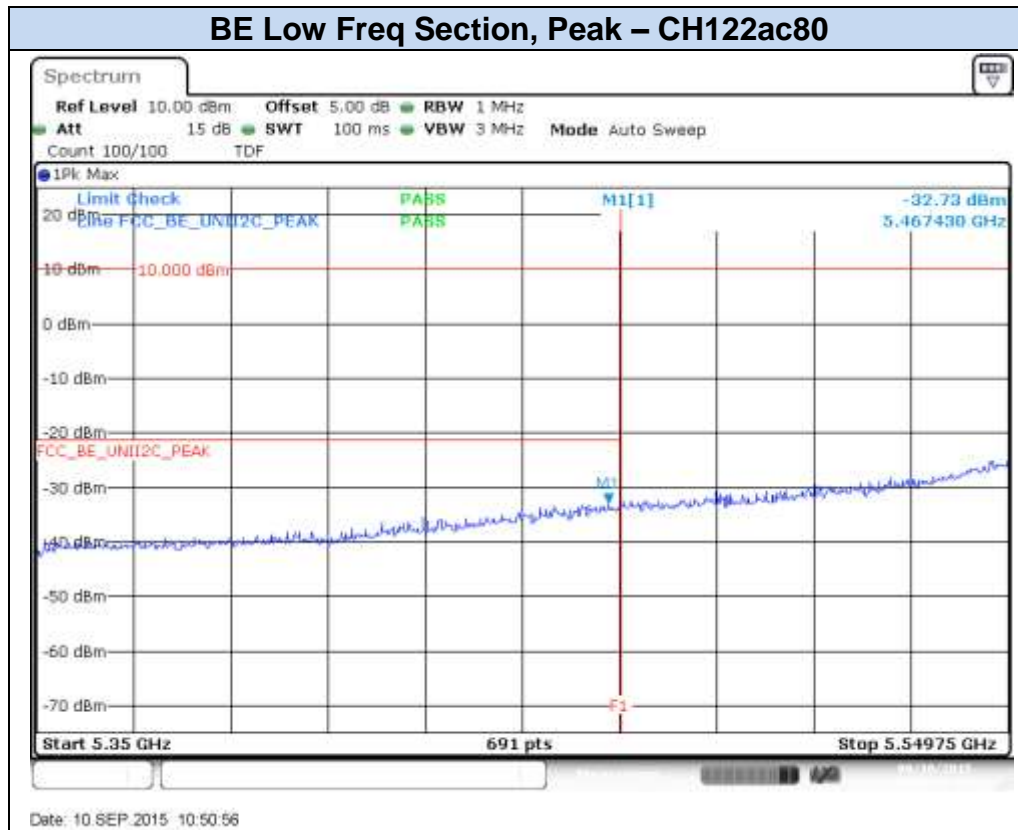
## 802.11ac80, VHT0 (SISO) – Chain B

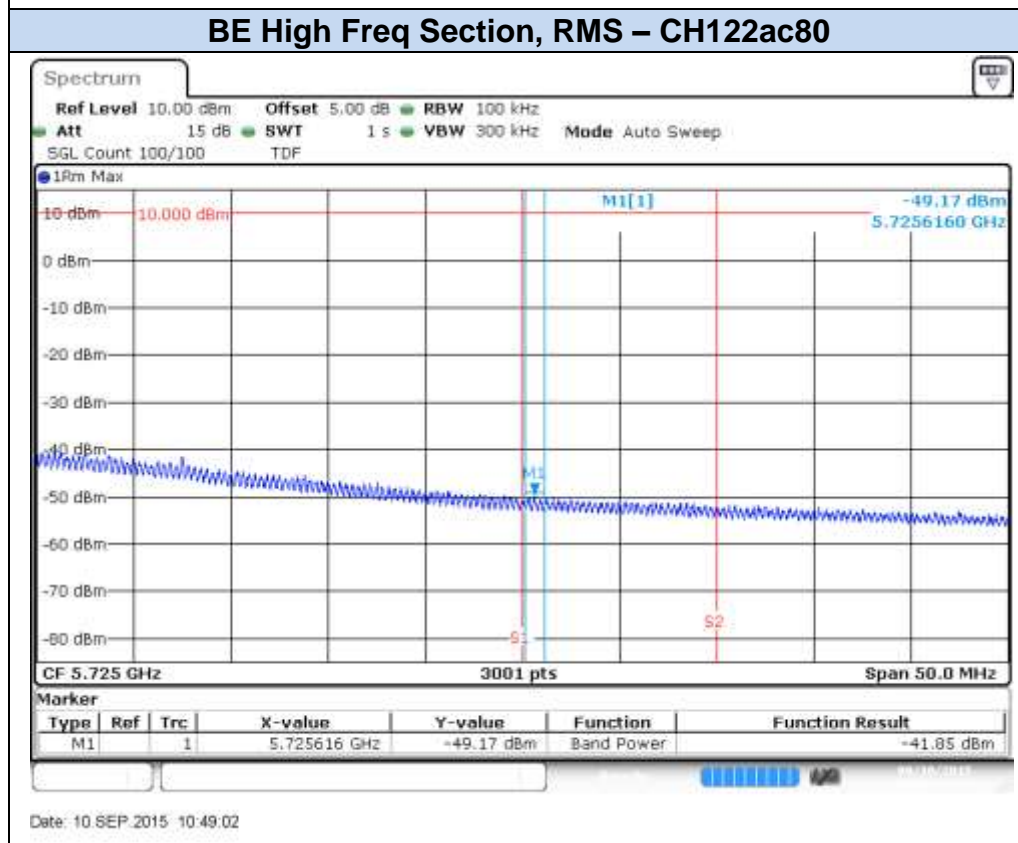
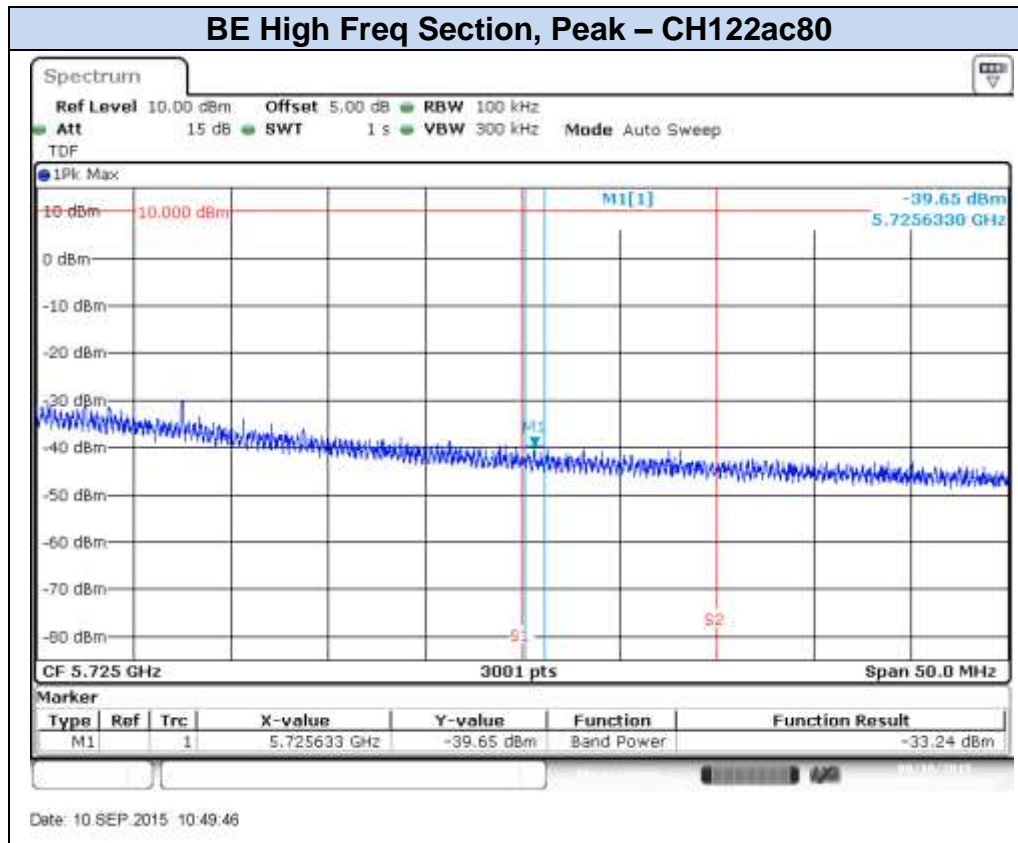
### BE Low Freq Section, Peak – CH106ac80



### BE Low Freq Section, RMS – CH106ac80

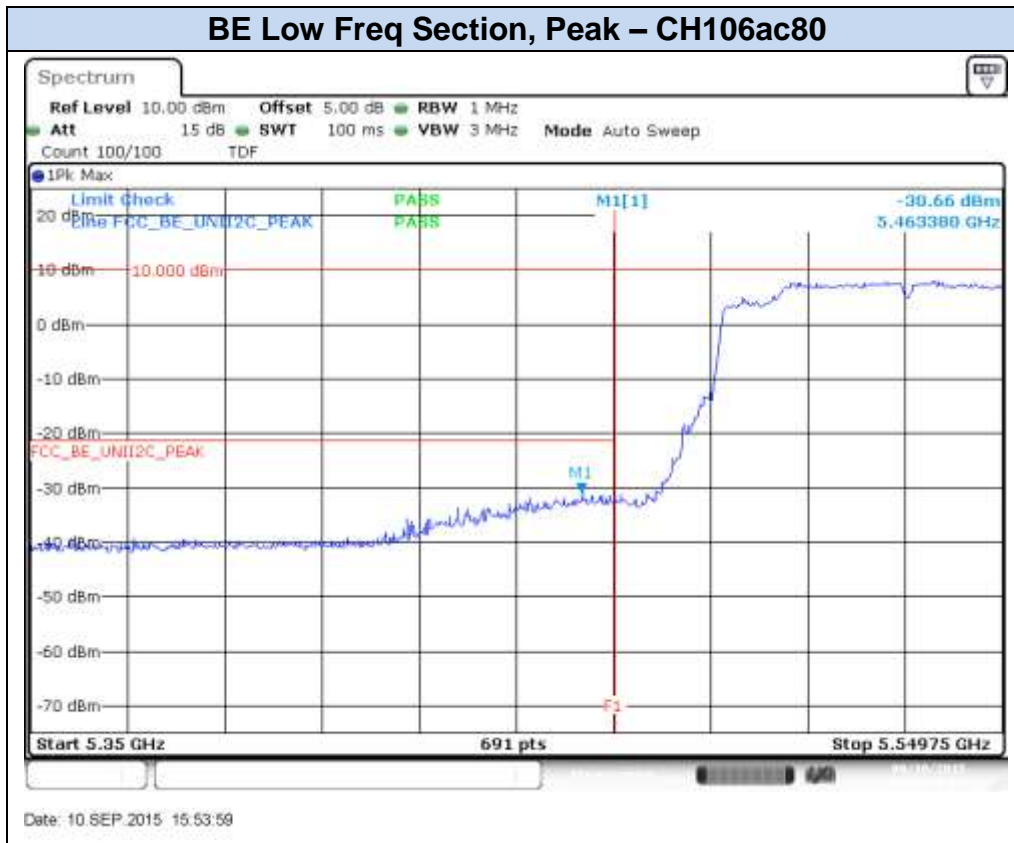




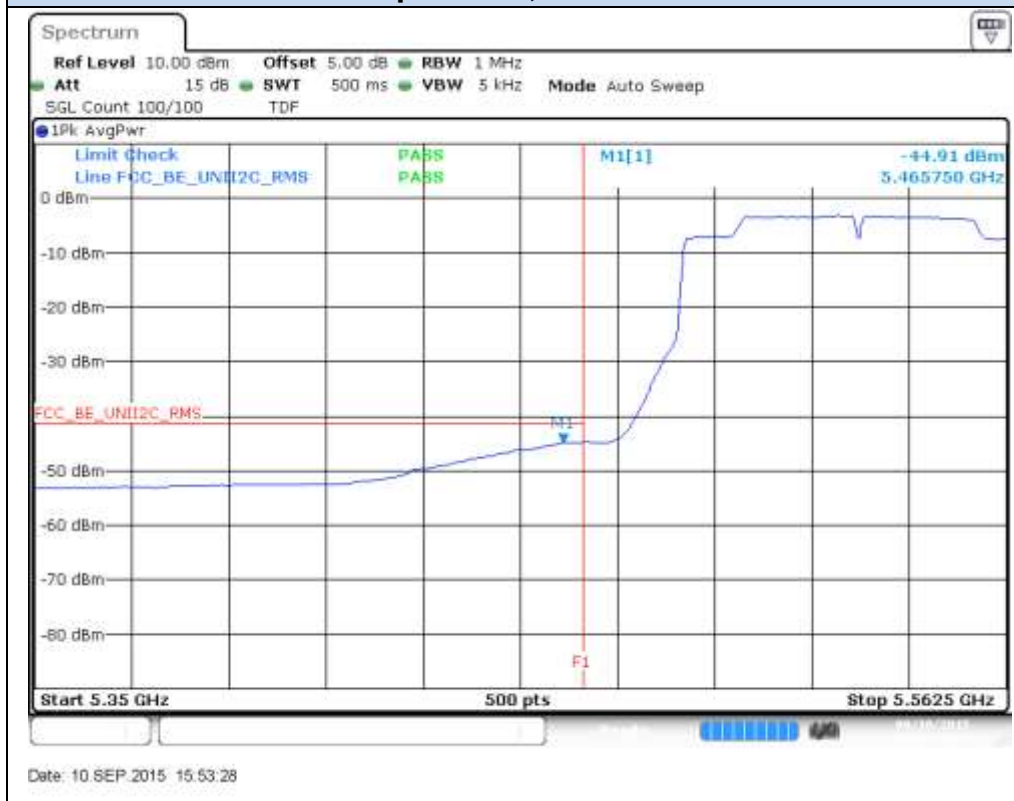


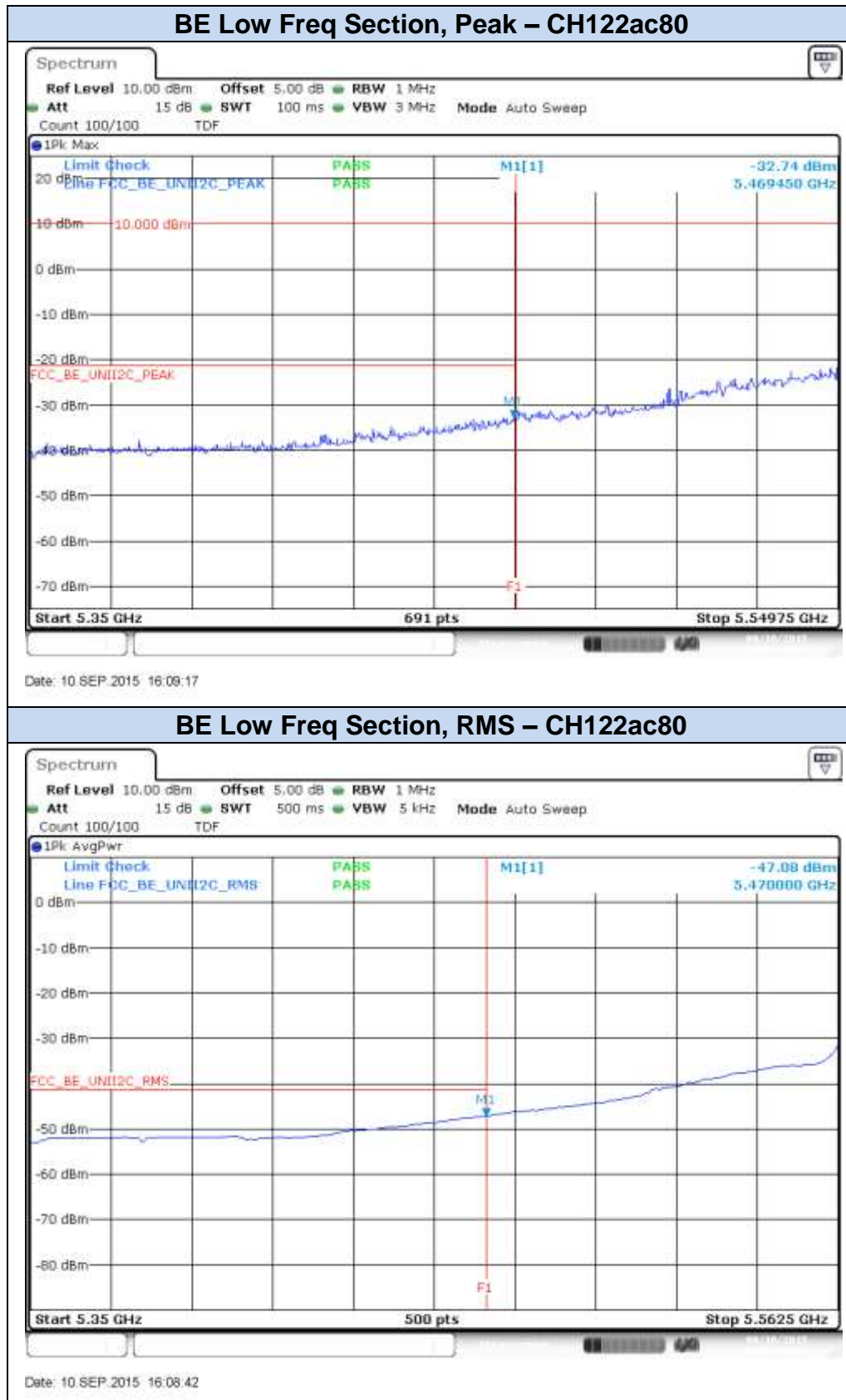
## 802.11ac80, VHT0 (MIMO)- Chain A

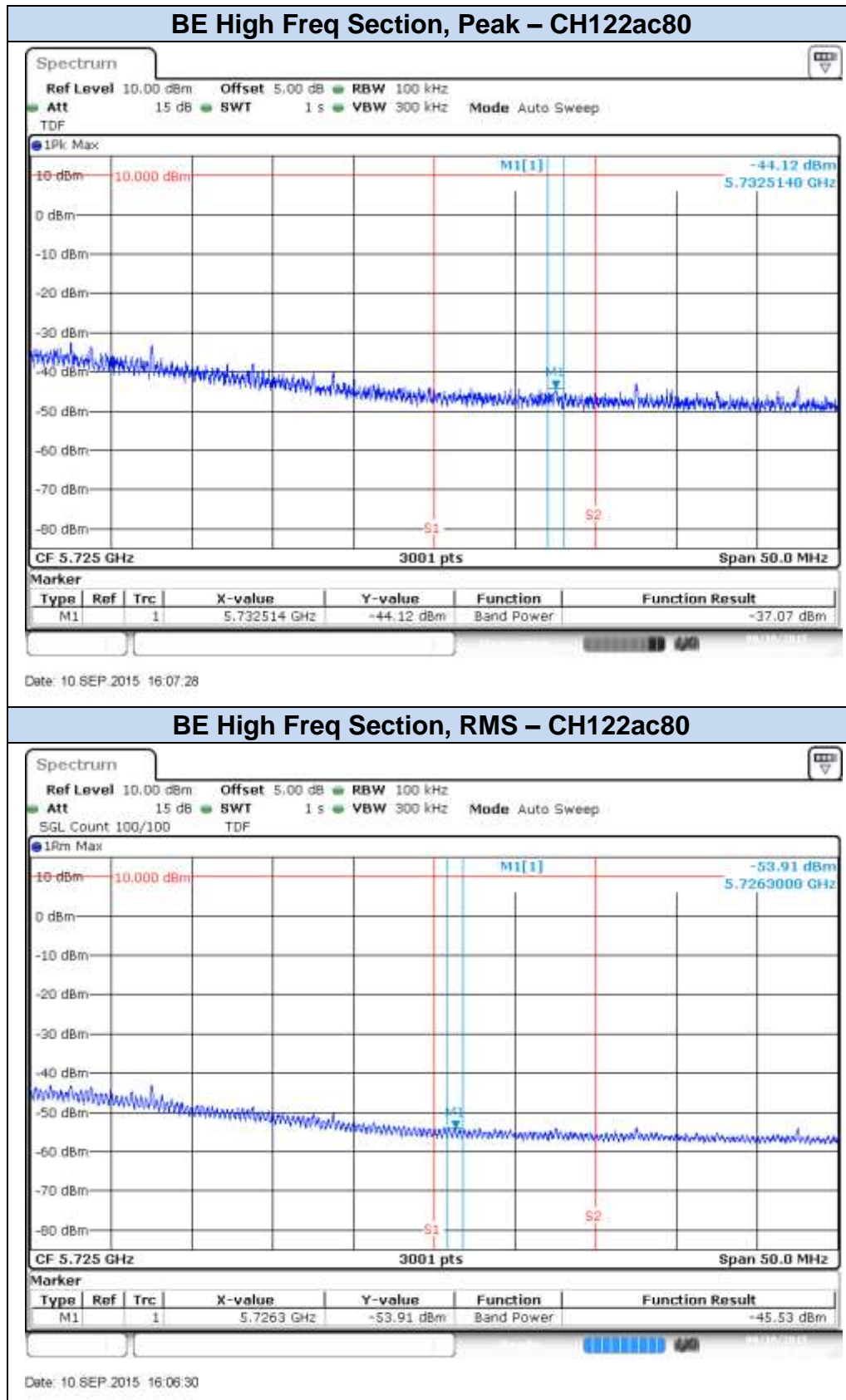
### BE Low Freq Section, Peak – CH106ac80



### BE Low Freq Section, RMS – CH106ac80



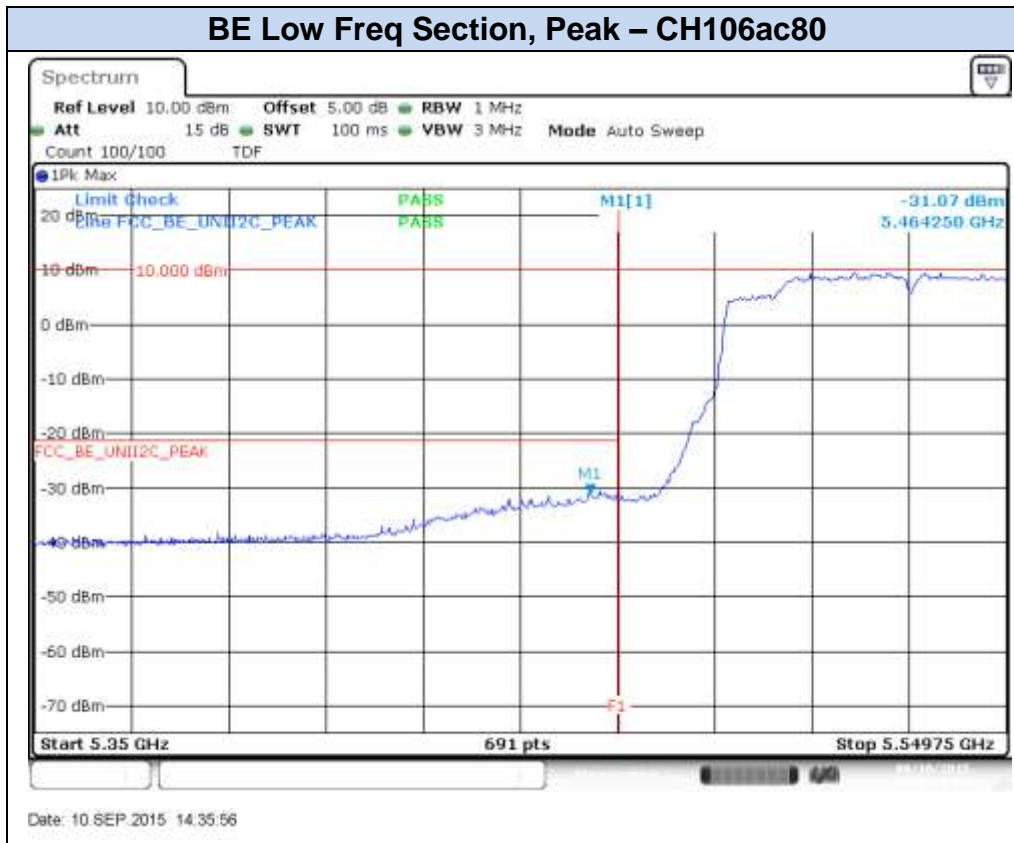




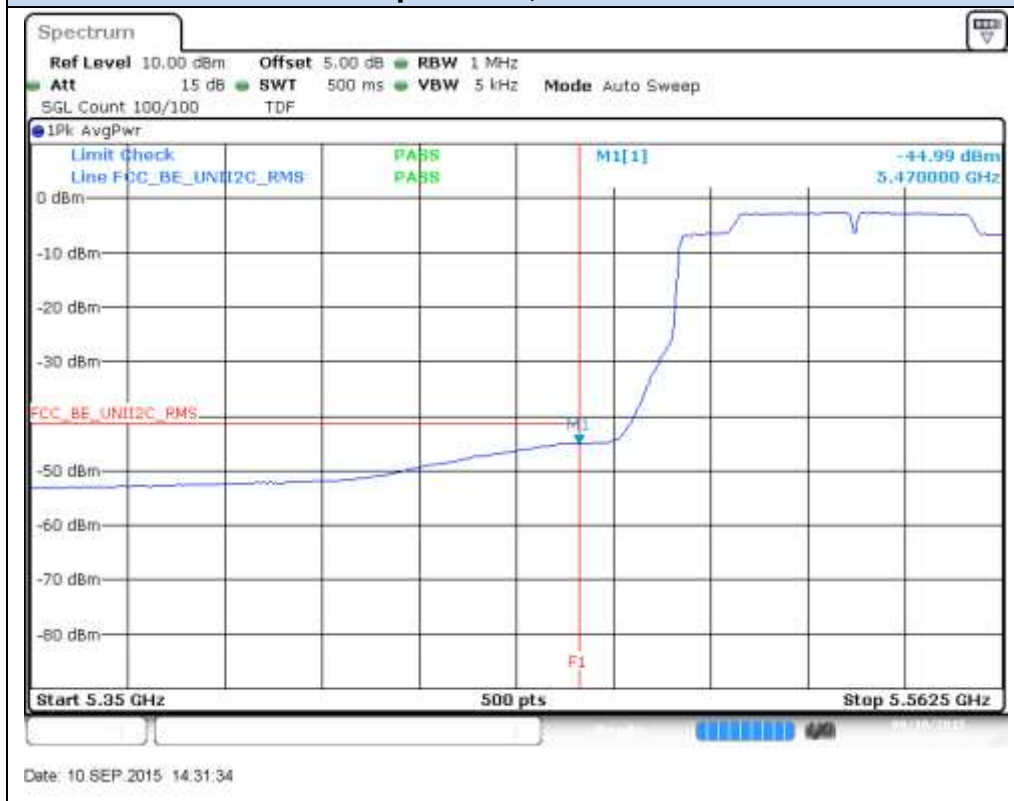


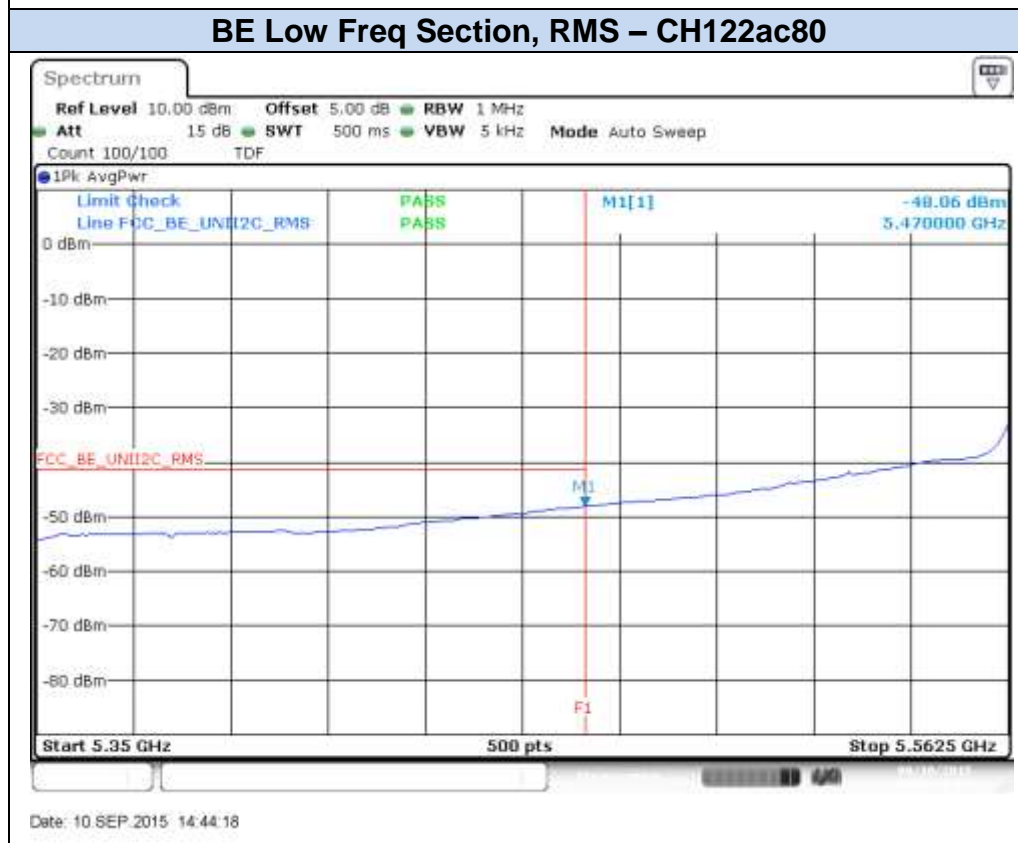
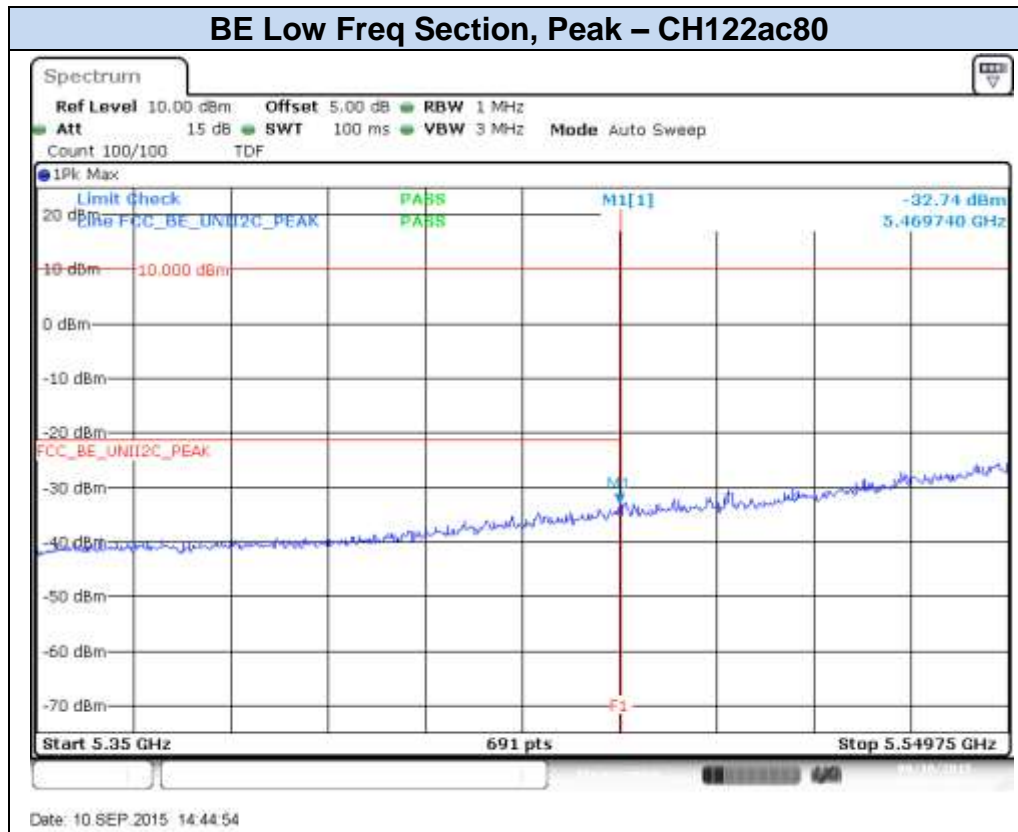
## 802.11ac80, VHT0 (MIMO)- Chain B

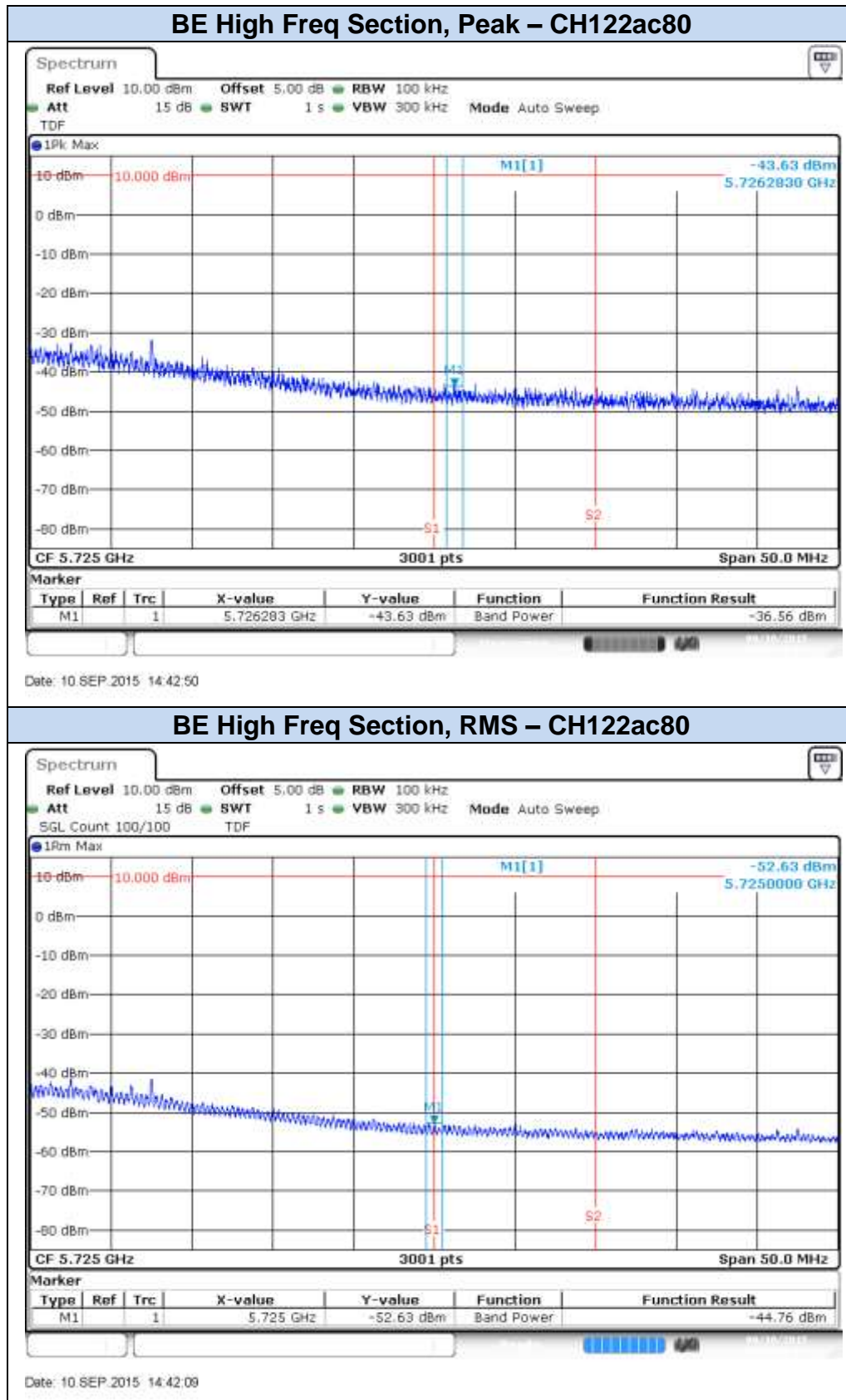
### BE Low Freq Section, Peak – CH106ac80



### BE Low Freq Section, RMS – CH106ac80







## D.4 Radiated spurious emission

### Standard references:

FCC part	RSS part	Limits																																
15.407 (b) (3) 15.209	RSS-247 Clause 6.2.3 (2)	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><tr><th>Freq Range (MHz)</th><th>Field Strength (μV/m)</th><th>Field Strength (dBμV/m)</th><th>Meas. Distance (m)</th></tr><tr><td>0.009-0.490</td><td>2400/f(kHz)</td><td>-</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/f(kHz)</td><td>-</td><td>300</td></tr><tr><td>1.705-30.0</td><td>30</td><td>-</td><td>30</td></tr><tr><td>30-88</td><td>100</td><td>40</td><td>3</td></tr><tr><td>88-216</td><td>150</td><td>43.5</td><td>3</td></tr><tr><td>216-960</td><td>200</td><td>46</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>54</td><td>3</td></tr></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
		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																													
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.																																		

### Test procedure:

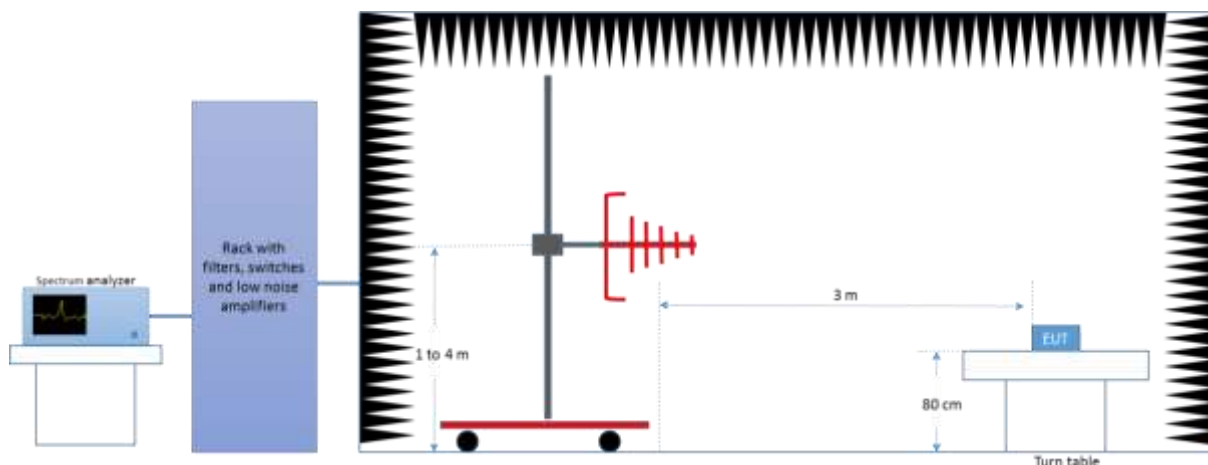
The below setups were used to measure the radiated spurious emissions.

Depending of the frequency range and bands being tested, different antennas and filters were used.

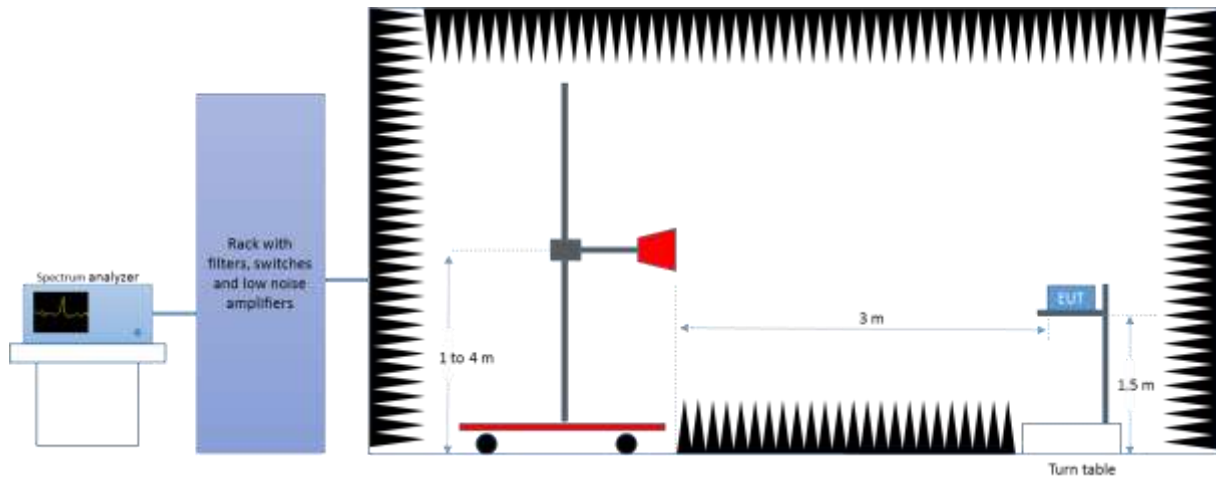
The final measurement is done by varying the antenna height from 1 to 4 meters, the EUT azimuth over 360° and for both Vertical and Horizontal polarizations.

The radiated spurious emissions were measured on the worst case configuration selected from the chapter *D.2 Power Limits. Maximum Output power & Peak power spectral density* and using the lowest, middle and highest channels.

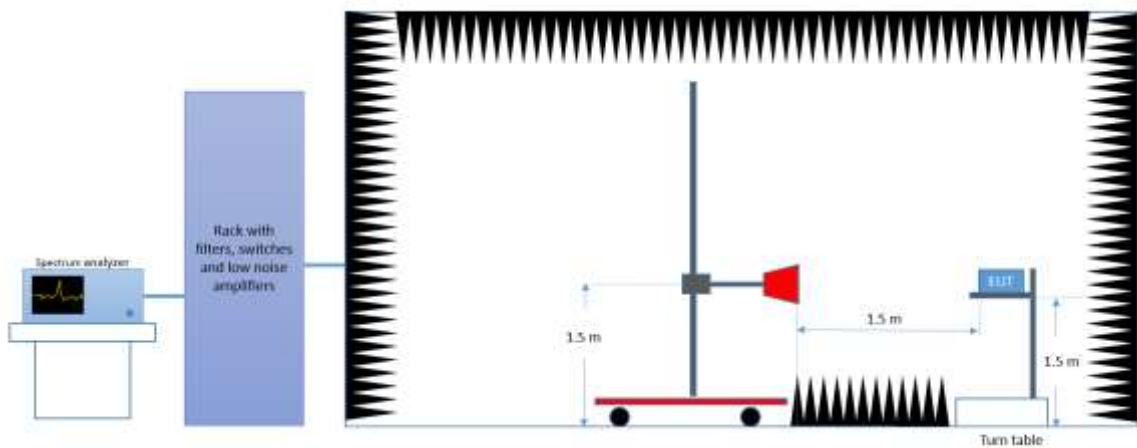
#### Radiated Setup < 1GHz



### *Radiated Setup 1 GHz - 18 GHz*



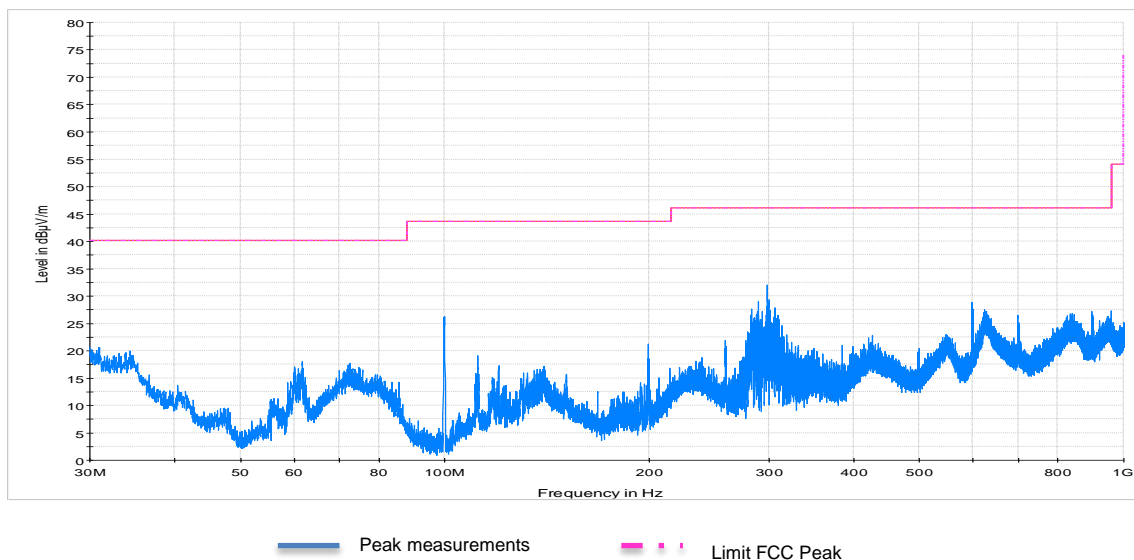
### *Radiated Setup > 18 GHz*



## Test Results:

### Radiated Spurious – 30MHz to 1GHz

#### All modes



Frequency	MaxPeak	Limit	Margin
MHz	dBμV/m	dBμV/m	dB
99	25.9	43.5	17.6
282	28.5	46	17.5
625	28.0	46	18.0

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

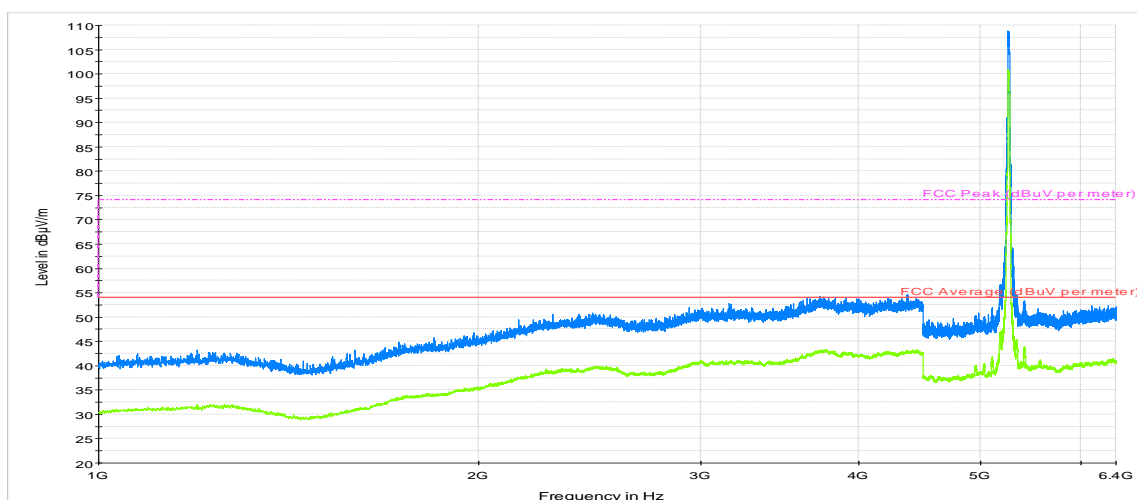
**Note 2:** No spurious signals were found in all modulations and channels tested.

**Note 3:** This plot is valid for both SISO and MIMO modes.



## 802.11a, 6Mbps, Chain A

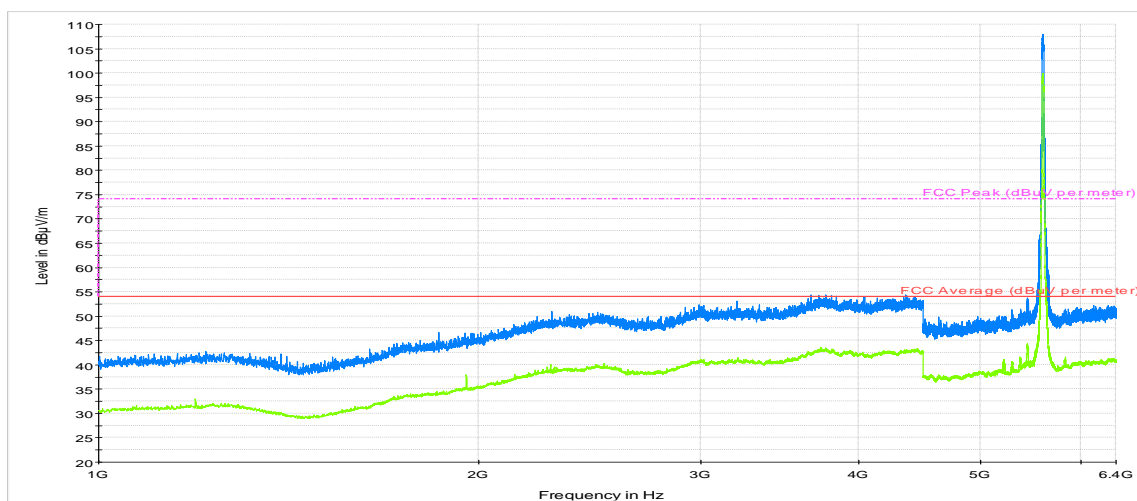
### Radiated Spurious – 1GHz to 6.4GHz –CH100



— Peak measurements     
 — AVG measurements     
 — Limit FCC AVG     
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
3739	54.5	---	74	19.5
3739	---	43.2	54	10.8

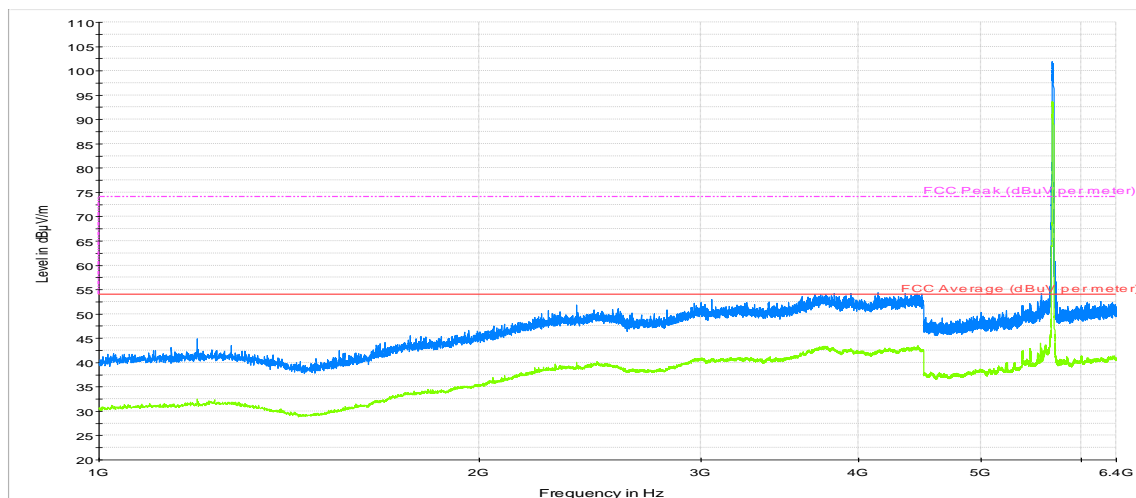
### Radiated Spurious – 1GHz to 6.4GHz –CH120



— Peak measurements    
 — AVG measurements    
 — Limit FCC AVG    
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
3763	54.3	---	74	19.7
3763	---	42.8	54	11.2

### Radiated Spurious – 1GHz to 6.4GHz –CH140

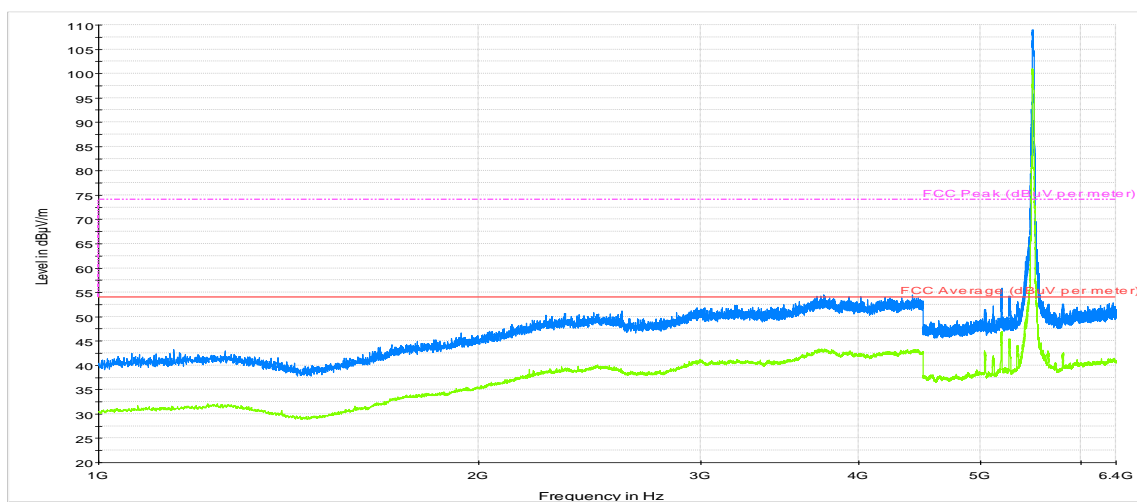


Peak measurements      AVG measurements      Limit FCC AVG      Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
4467	54.1	---	74	19.9
4467	---	43.1	54	10.9

## 802.11a, 6Mbps, Chain B

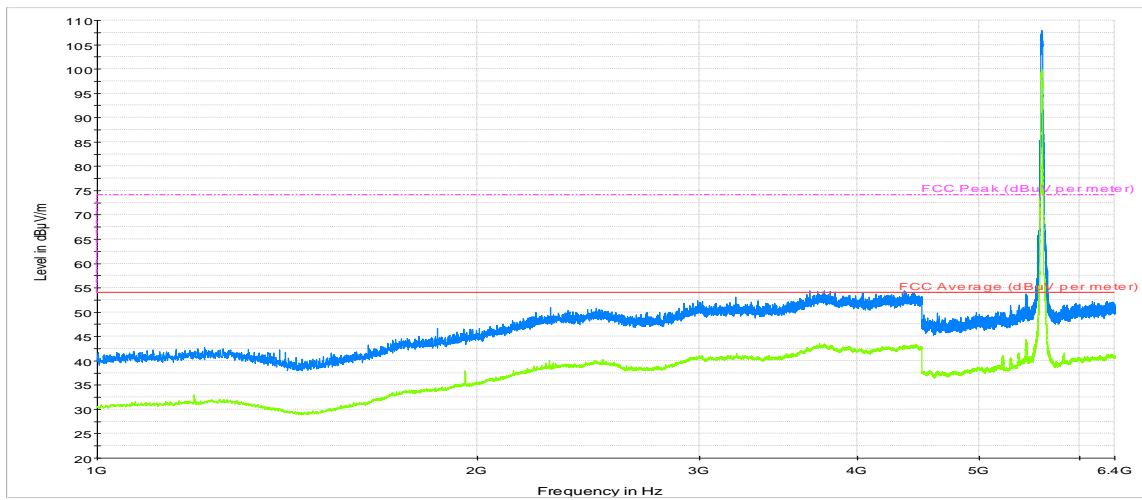
### Radiated Spurious – 1GHz to 6.4GHz –CH 100



— Peak measurements     
 — AVG measurements     
 — Limit FCC AVG     
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
3773	54.0	---	74	20.0
3773	---	43.3	54	10.7

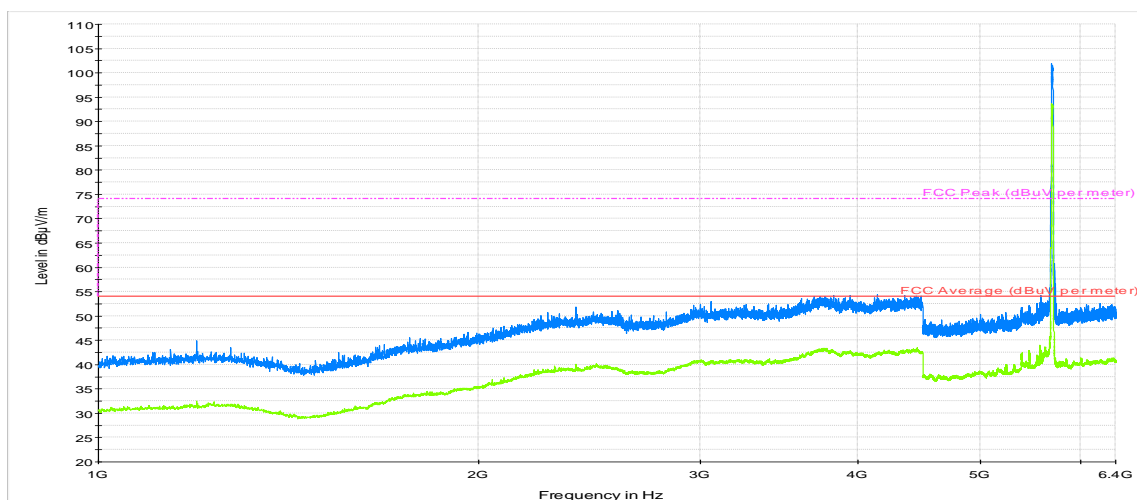
## Radiated Spurious – 1GHz to 6.4GHz –CH120



— Peak measurements    
 — AVG measurements    
 — Limit FCC AVG    
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
4409	53.5	---	74	20.5
4409	---	43.3	54	10.7

## Radiated Spurious – 1GHz to 6.4GHz –CH140



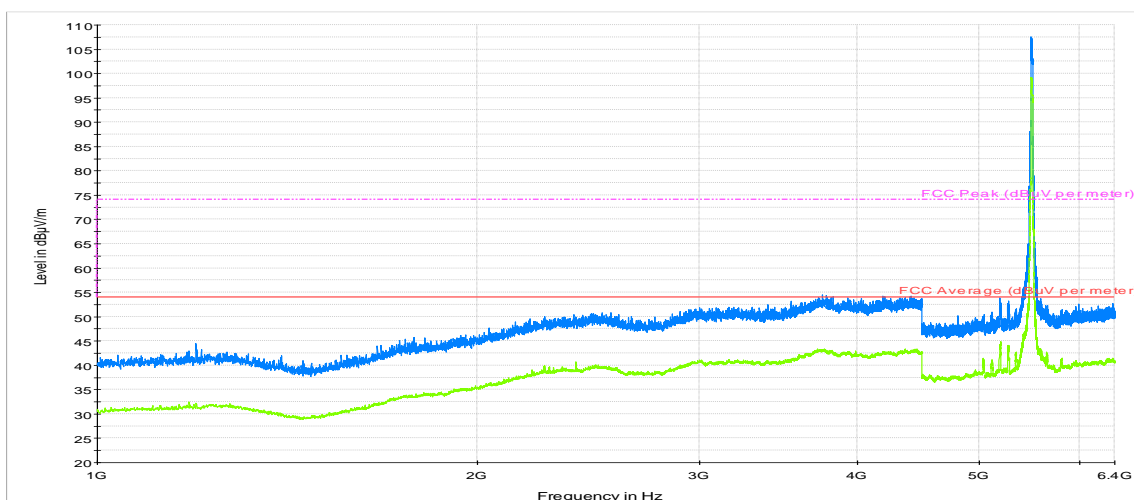
— Peak measurements
 — AVG measurements
 — Limit FCC AVG
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
4443	53.8	---	74	20.2
4443	---	43.1	54	10.9



## 802.11n20, HT0 (SISO), Chain A

### Radiated Spurious – 1GHz to 6.4GHz –CH100



Peak measurements

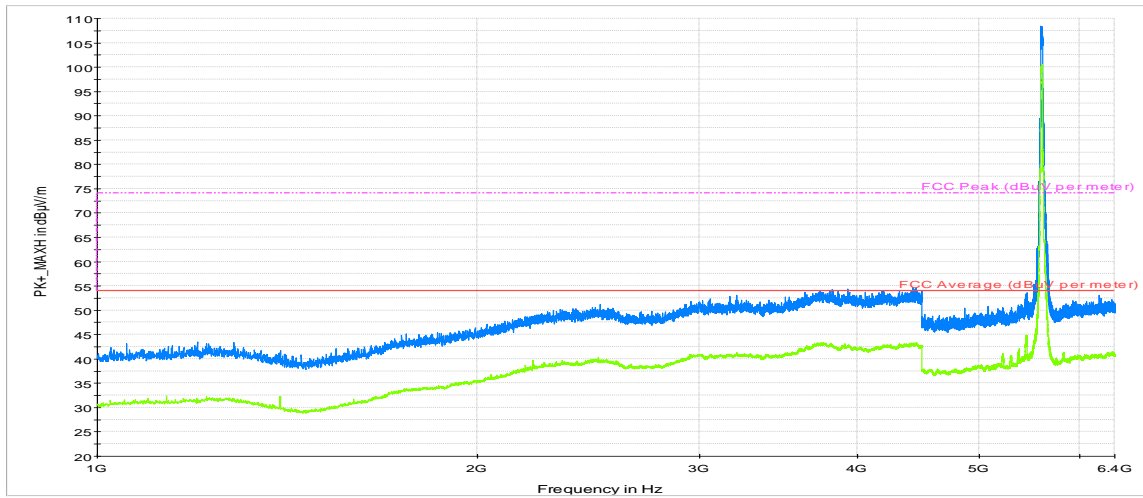
AVG measurements

Limit FCC AVG

Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
4455	53.5	---	74	20.5
4455	---	43.3	54	10.7

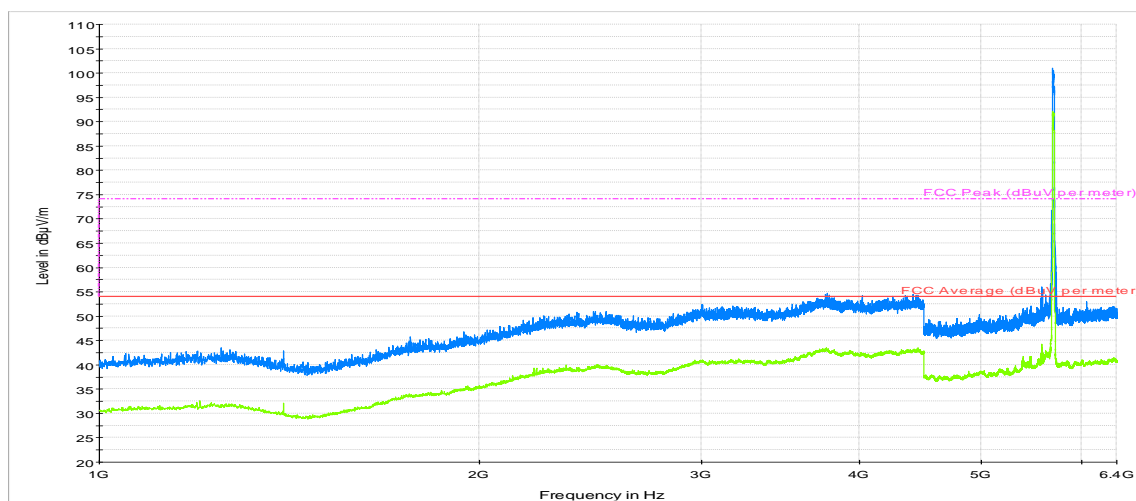

## Radiated Spurious – 1GHz to 6.4GHz –CH120





Peak measurements      AVG measurements      Limit FCC AVG      Limit FCC Peak


Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
4450	54.6	---	74	19.4
4450	---	43.4	54	10.6

### Radiated Spurious – 1GHz to 6.4GHz –CH144


 Peak measurements

 AVG measurements

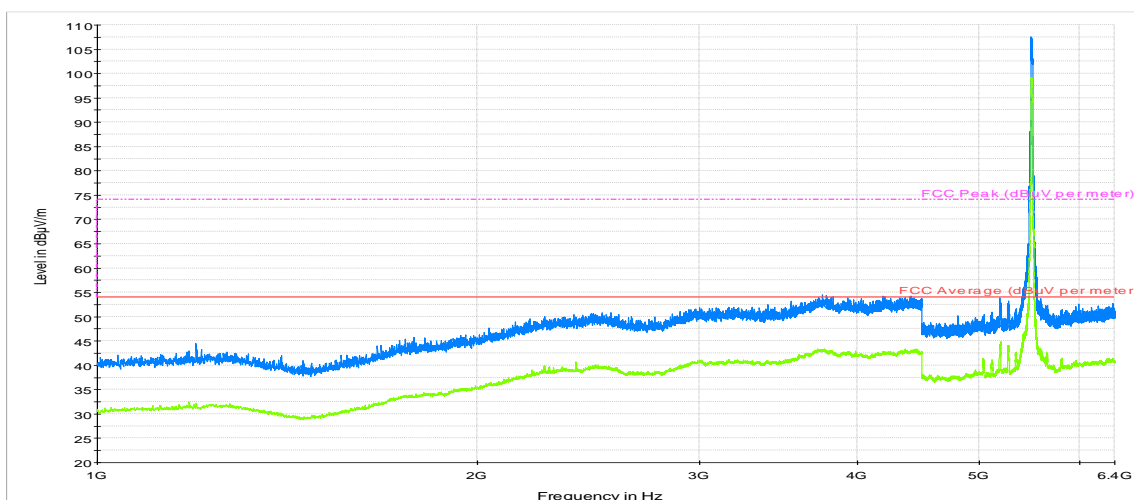
 Limit FCC AVG

 Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
4451	53.7	---	74	20.3
4451	---	43.3	54	10.7

## 802.11n20, HT0 (SISO), Chain B

### Radiated Spurious – 1GHz to 6.4GHz –CH100



Peak measurements

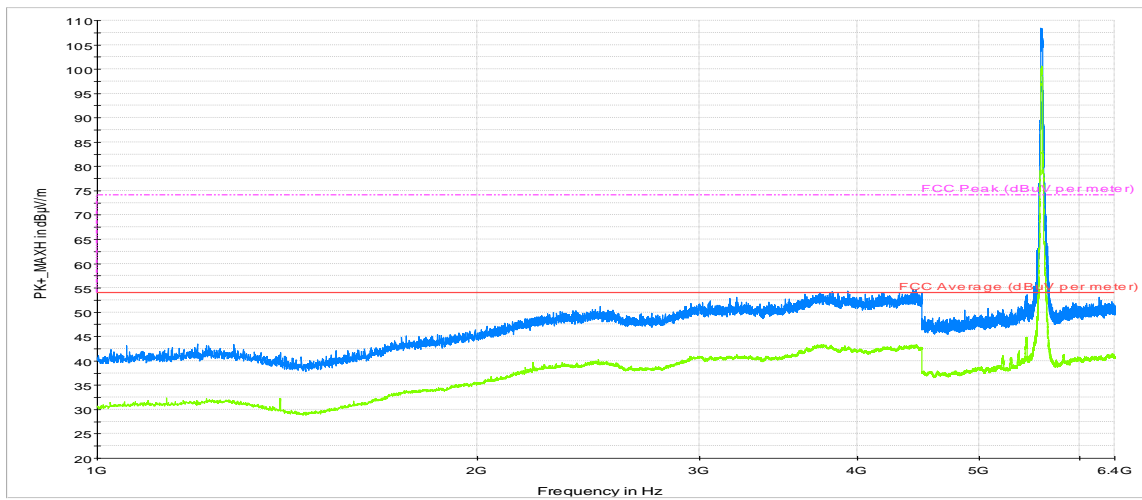
AVG measurements

Limit FCC AVG

Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
4450	53.8	---	74	20.2
4450	---	43.1	54	10.9

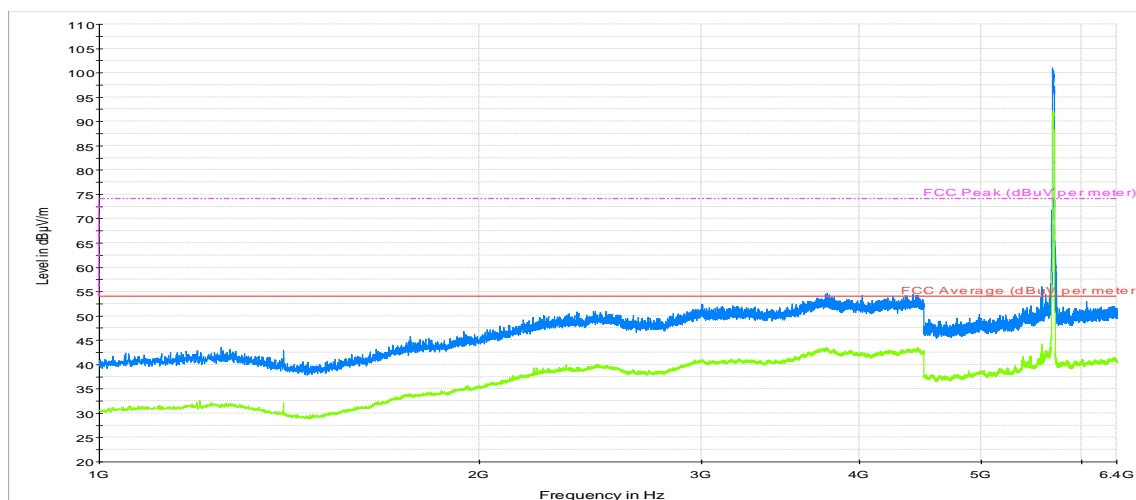
## Radiated Spurious – 1GHz to 6.4GHz –CH120



Peak measurements      AVG measurements      Limit FCC AVG      Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
4427	54.3	---	74	19.7
4427	---	43.0	54	11.0

## Radiated Spurious – 1GHz to 6.4GHz –CH144



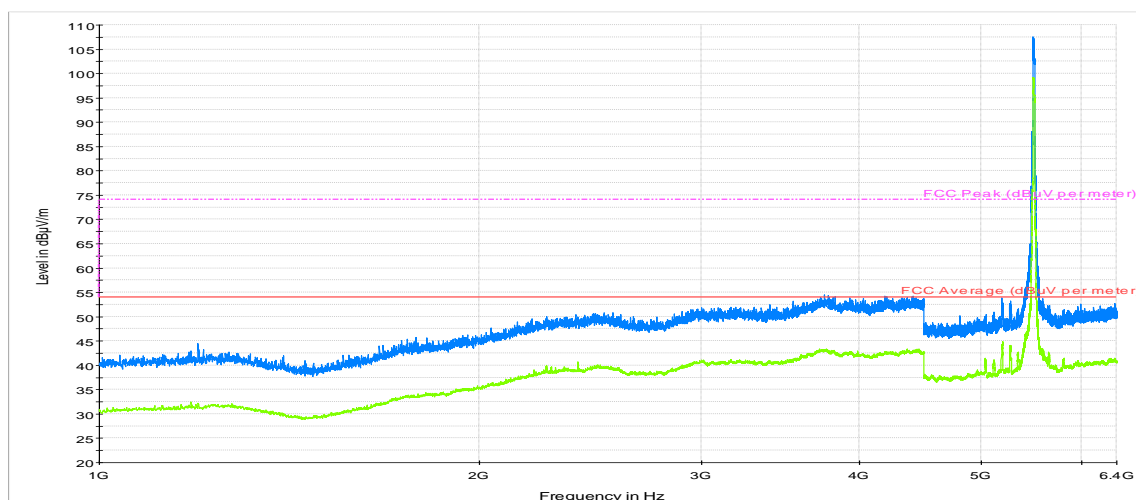
— Peak measurements
 — AVG measurements
 — Limit FCC AVG
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
4448	54.2	---	74	19.8
4448	---	43.3	54	10.7



## 802.11n20, HT8 (MIMO), Chain A+B

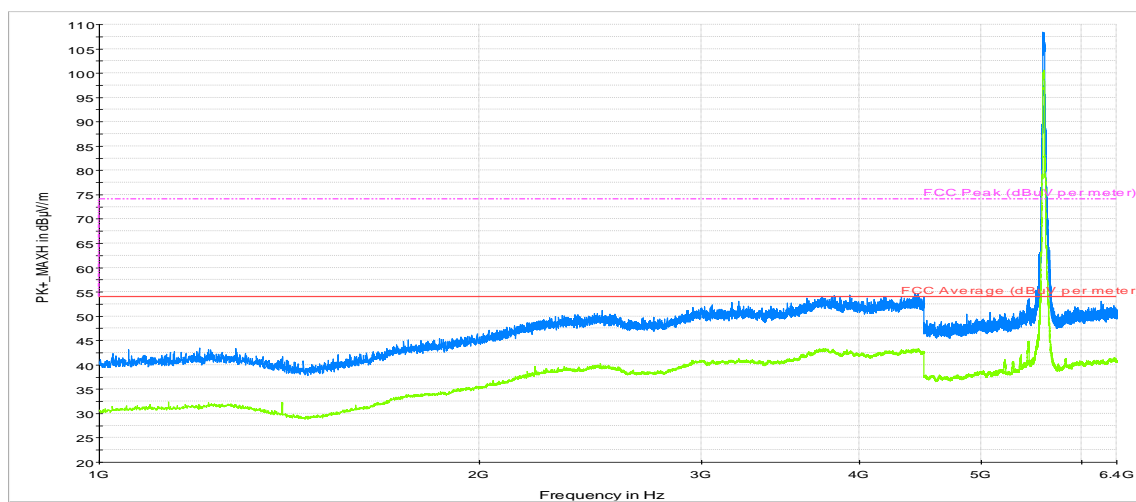
### Radiated Spurious – 1GHz to 6.4GHz –CH100



— Peak measurements    
 — AVG measurements    
 — Limit FCC AVG    
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
4460	54.4	---	74	19.6
4460	---	43.2	54	10.8

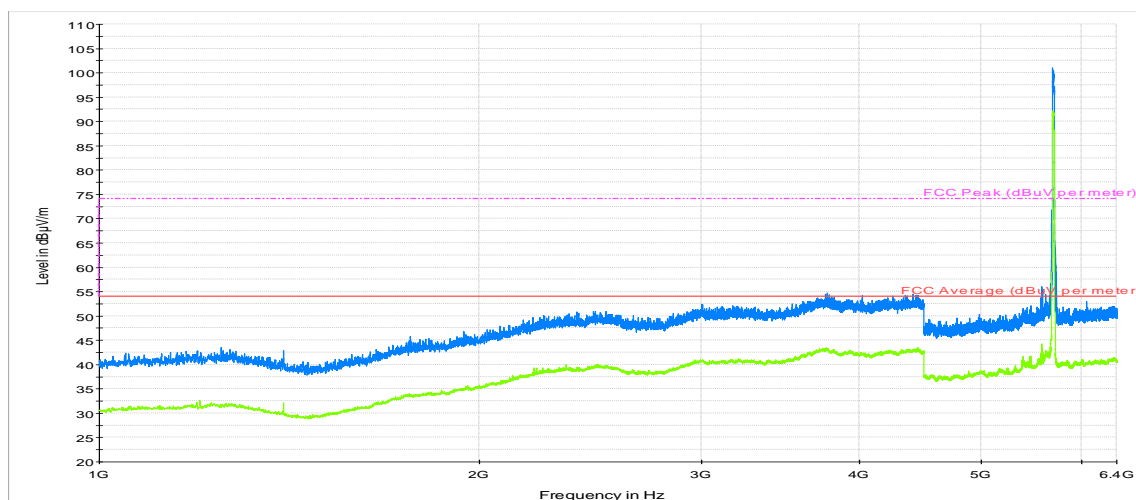
## Radiated Spurious – 1GHz to 6.4GHz –CH120



— Peak measurements
 — AVG measurements
 — Limit FCC AVG
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
4446	54.0	---	74	20.0
4446	---	43.1	54	10.9

## Radiated Spurious – 1GHz to 6.4GHz –CH144

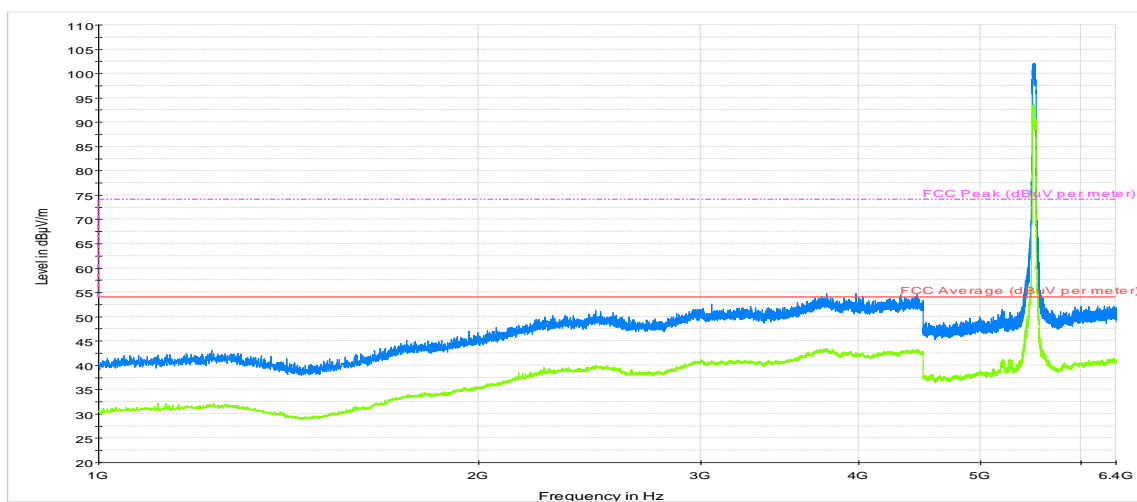


— Peak measurements
 — AVG measurements
 — Limit FCC AVG
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
4421	54.2	---	74	19.8
4421	---	43.1	54	10.9

## 802.11n40, HT0 (SISO), Chain A

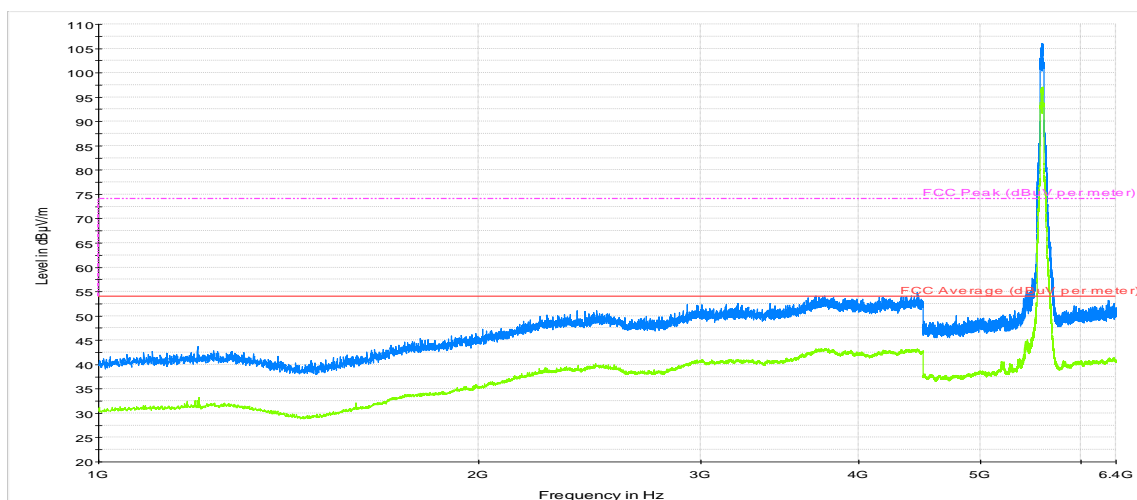
### Radiated Spurious – 1GHz to 6.4GHz –CH102F



— Peak measurements     
 — AVG measurements     
 — Limit FCC AVG     
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
4455	54.2	---	74	19.8
4455	---	43.1	54	10.9

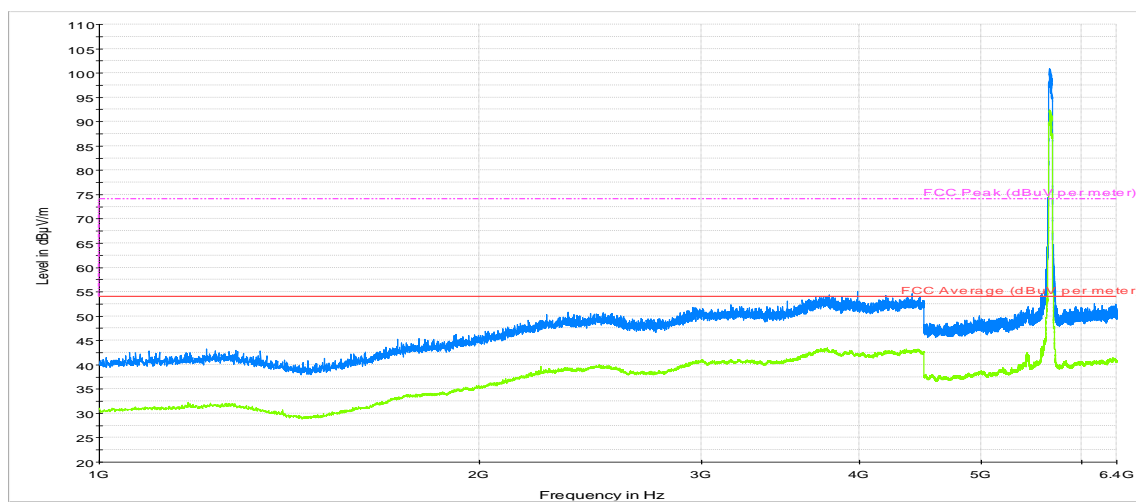
## Radiated Spurious – 1GHz to 6.4GHz –CH118F



— Peak measurements     
 — AVG measurements     
 — Limit FCC AVG     
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
4447	54.8	---	74	19.2
4447	---	43.1	54	10.9

## Radiated Spurious – 1GHz to 6.4GHz –CH134F



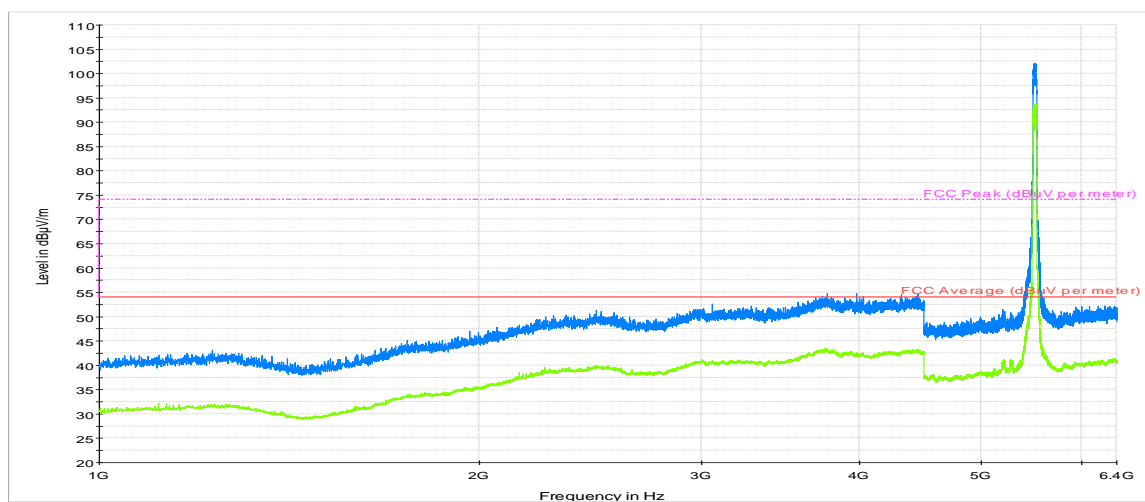
— Peak measurements
 — AVG measurements
 — Limit FCC AVG
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
4457	53.7	---	74	20.3
4457	---	42.9	54	11.1



## 802.11n40, HT0 (SISO), Chain B

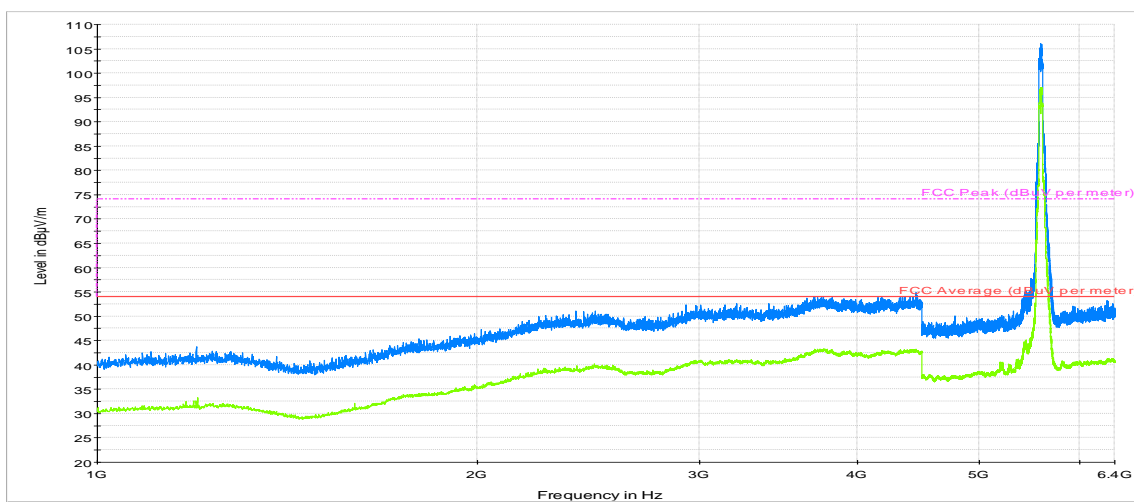
### Radiated Spurious – 1GHz to 6.4GHz –CH102F



— Peak measurements     
 — AVG measurements     
 — Limit FCC AVG     
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
4448	54.3	---	74	19.4
4448	---	43.3	54	10.7

## Radiated Spurious – 1GHz to 6.4GHz –CH118F



— Peak measurements
 — AVG measurements
 — Limit FCC AVG
 - - - Limit FCC Peak

Frequency	MaxPeak	RMS	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
4457	53.7	---	74	20.3
4457	---	43.3	54	10.7