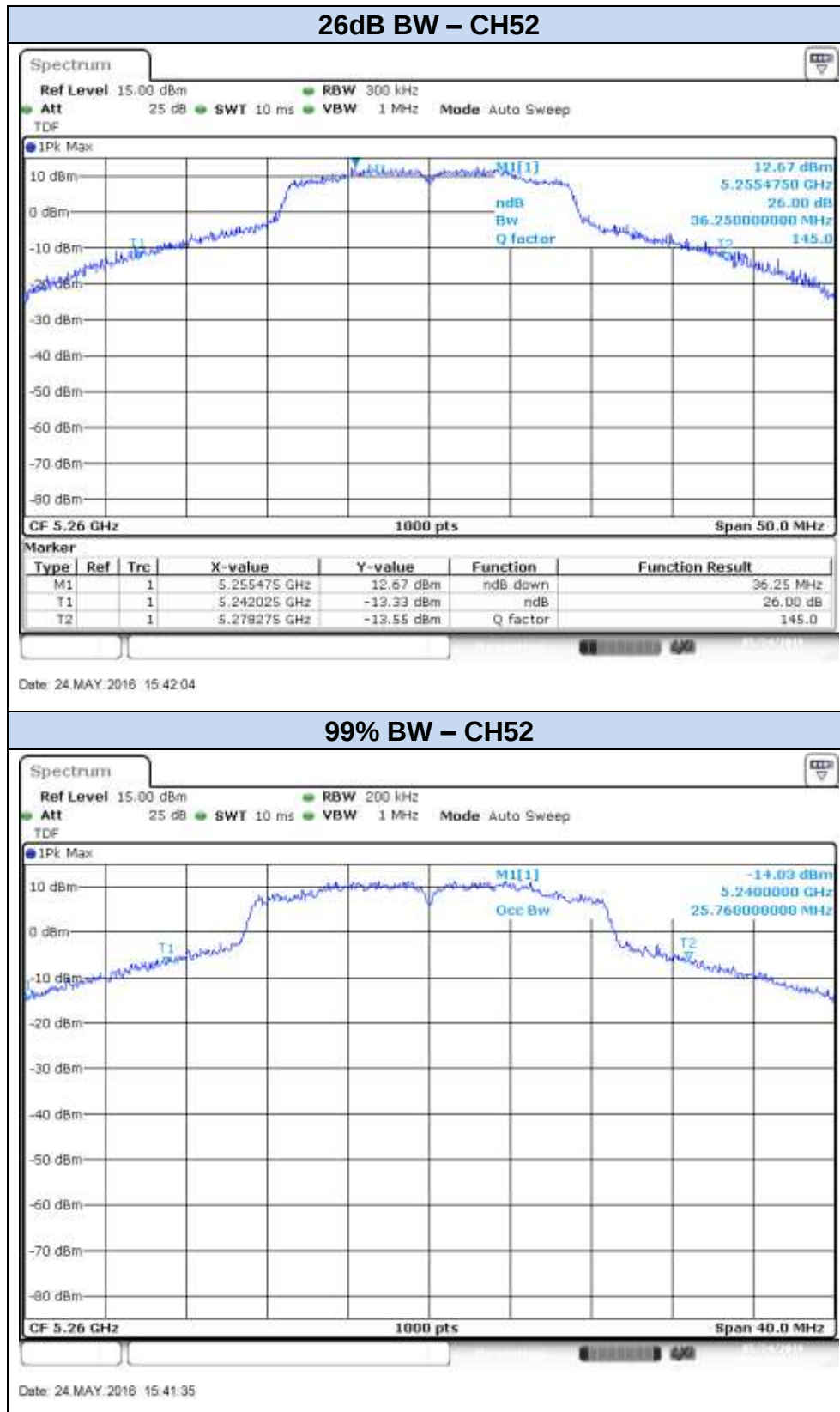
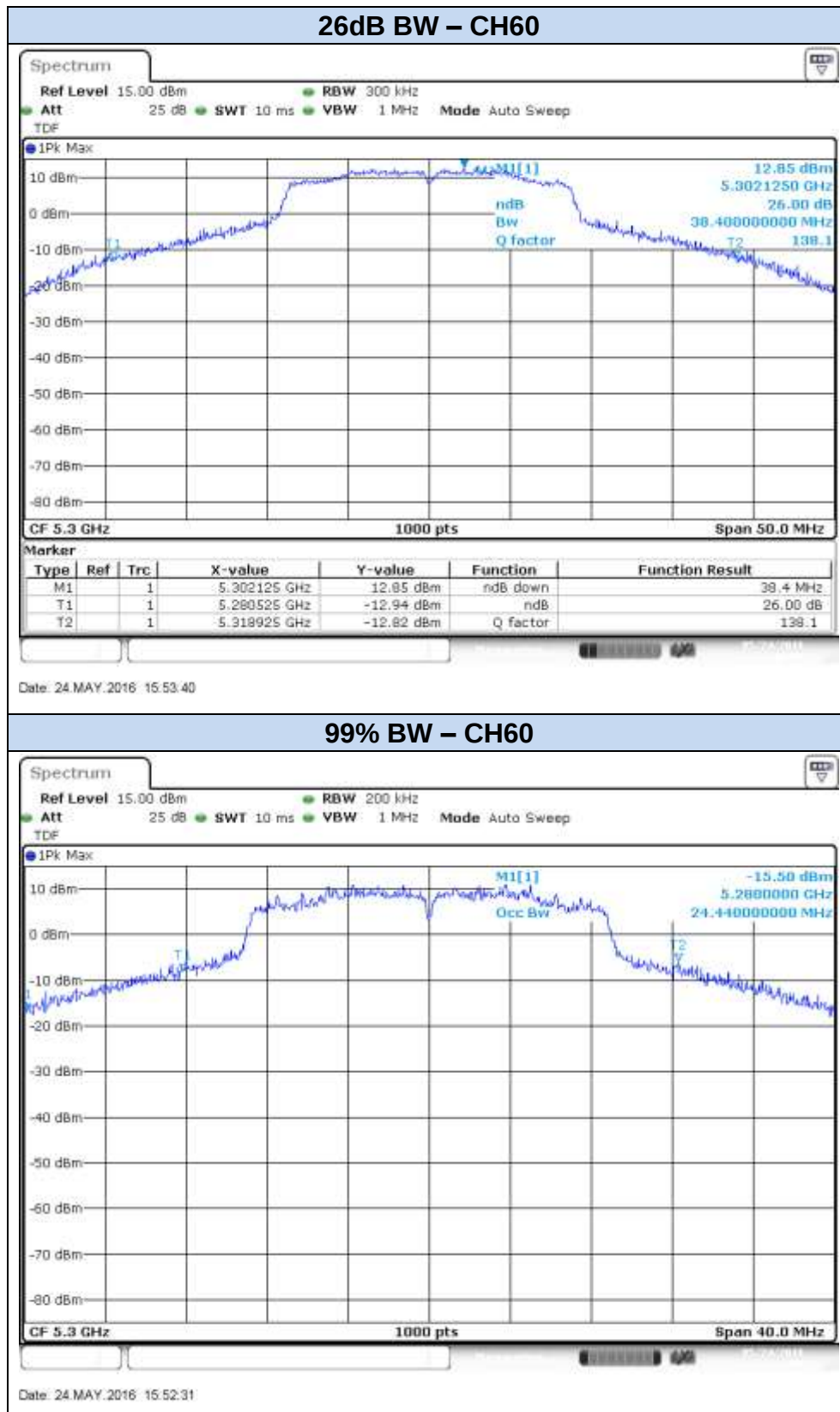
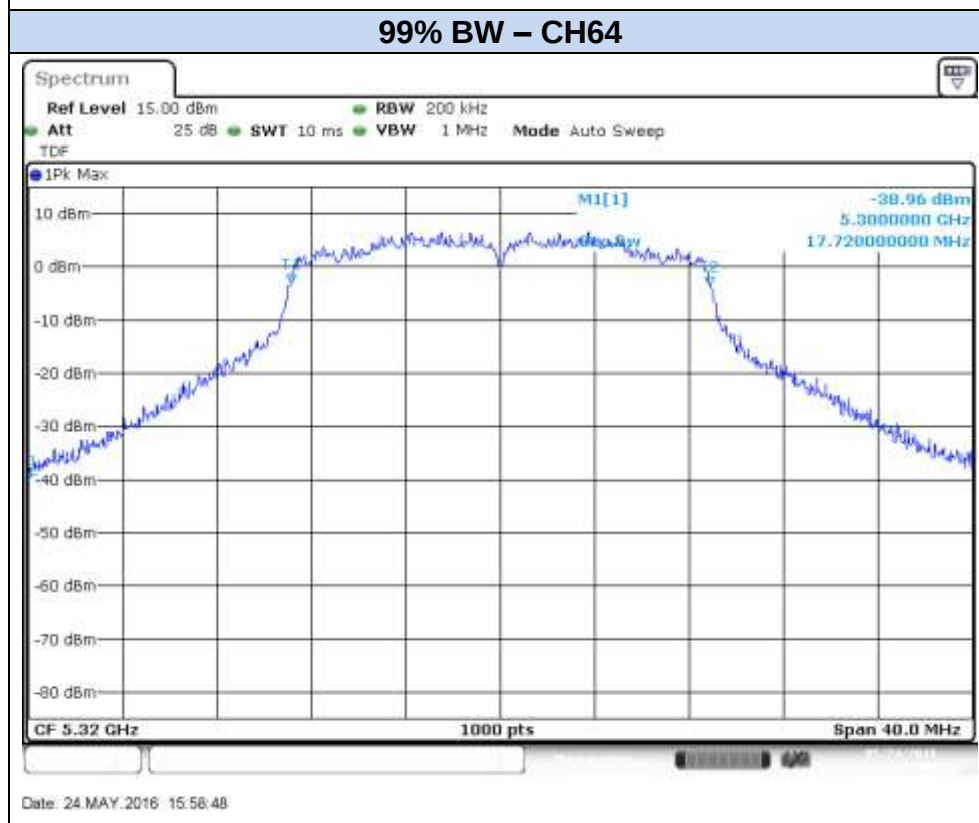
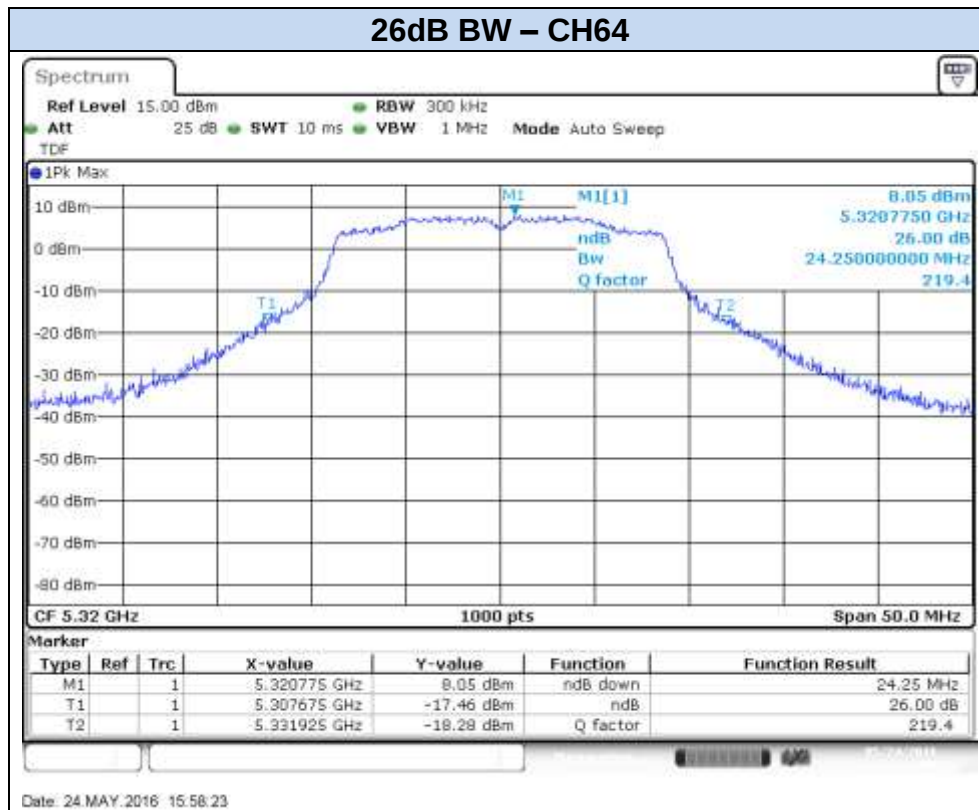


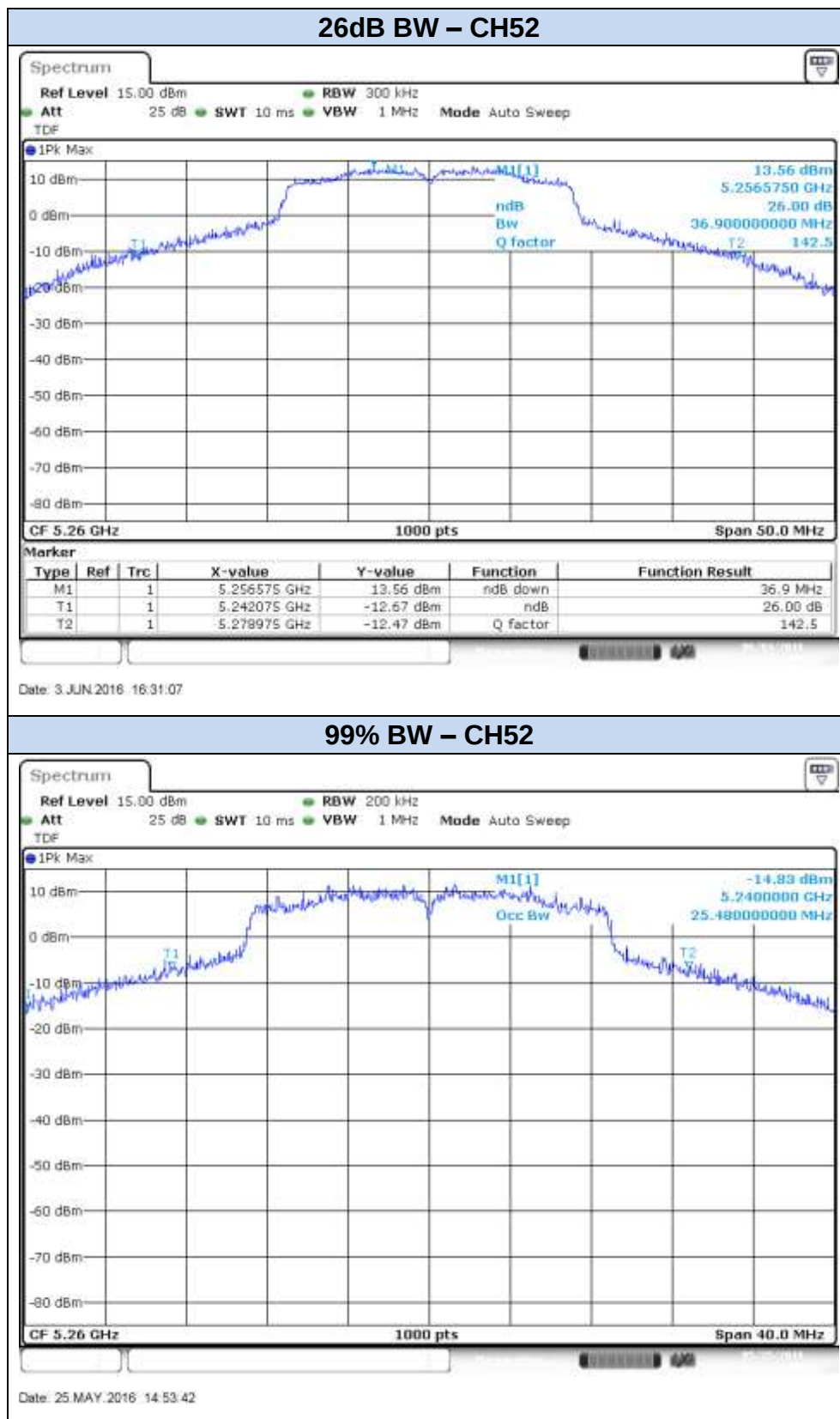
802.11n20, HT0 (SISO) – Chain A

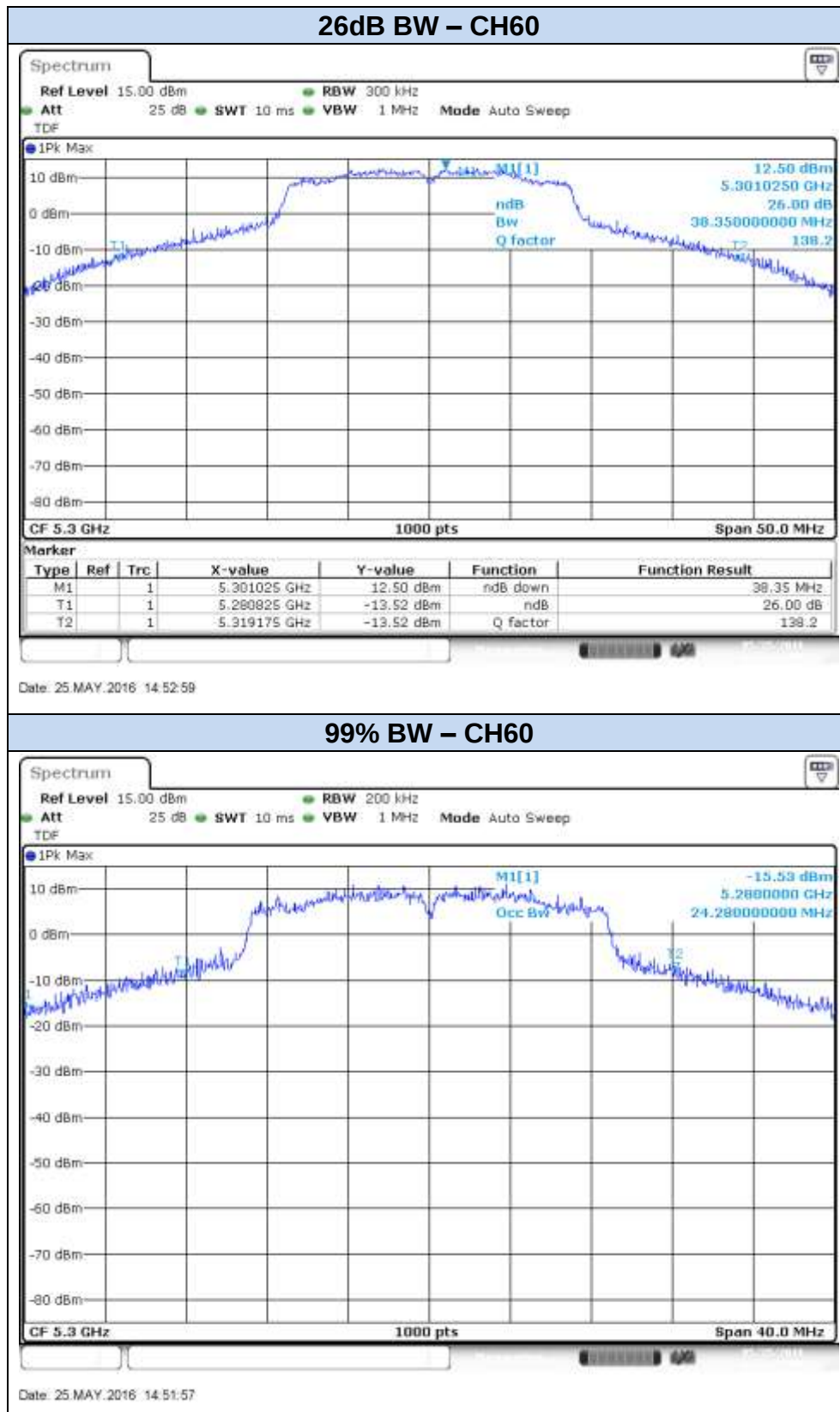


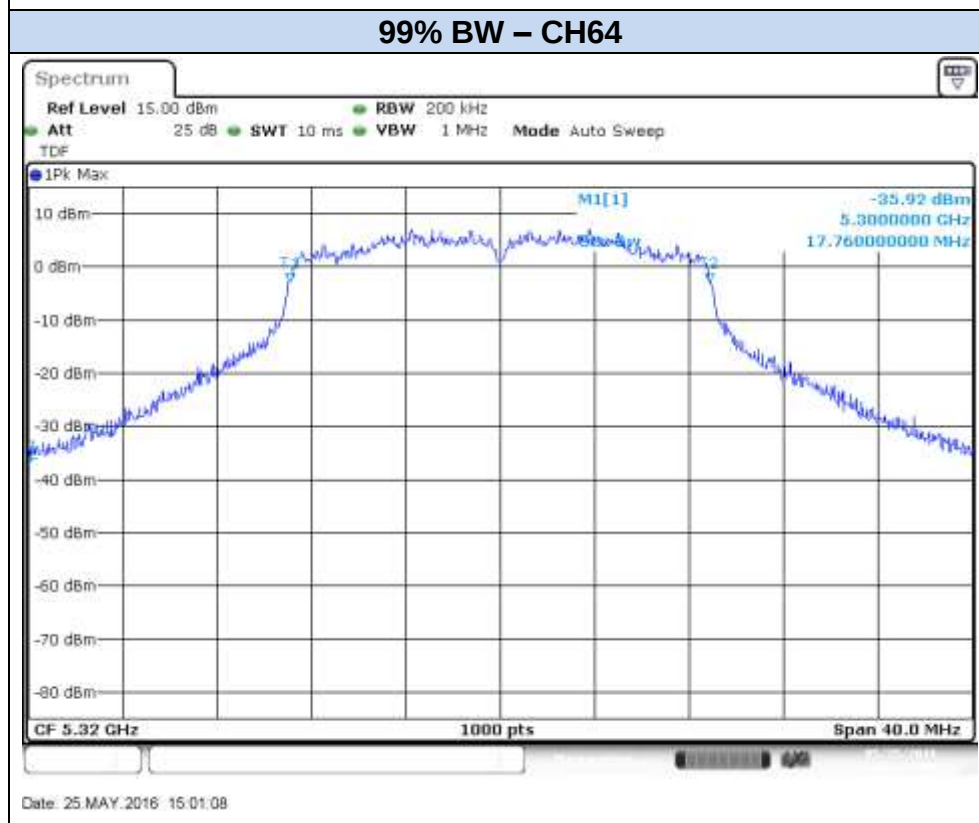
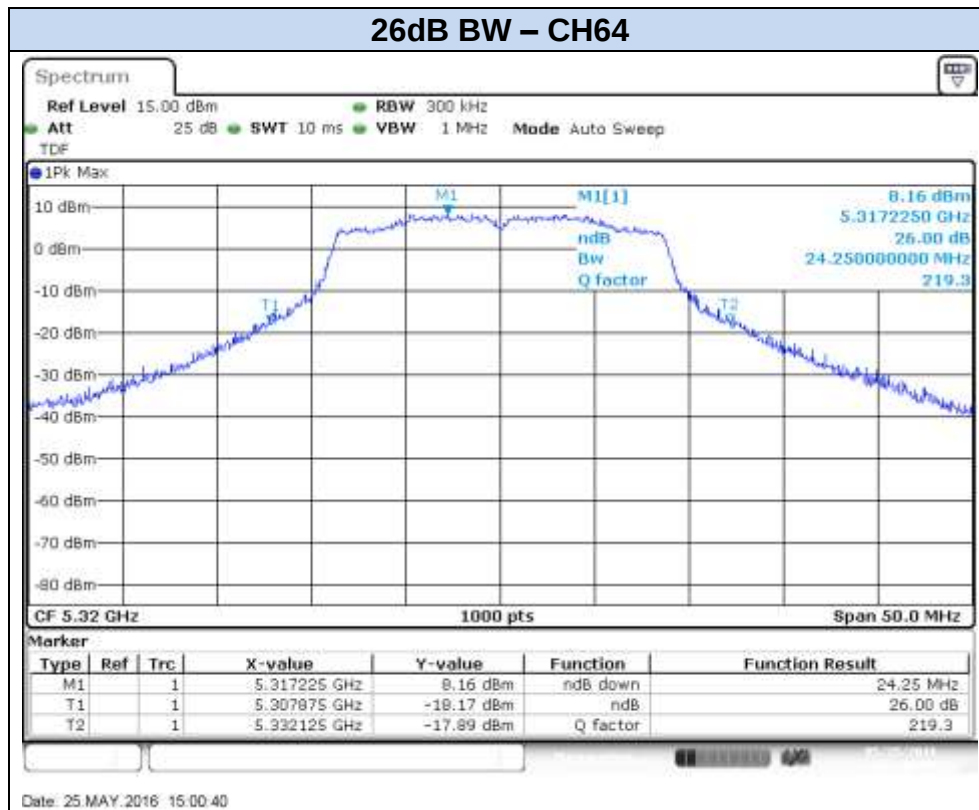




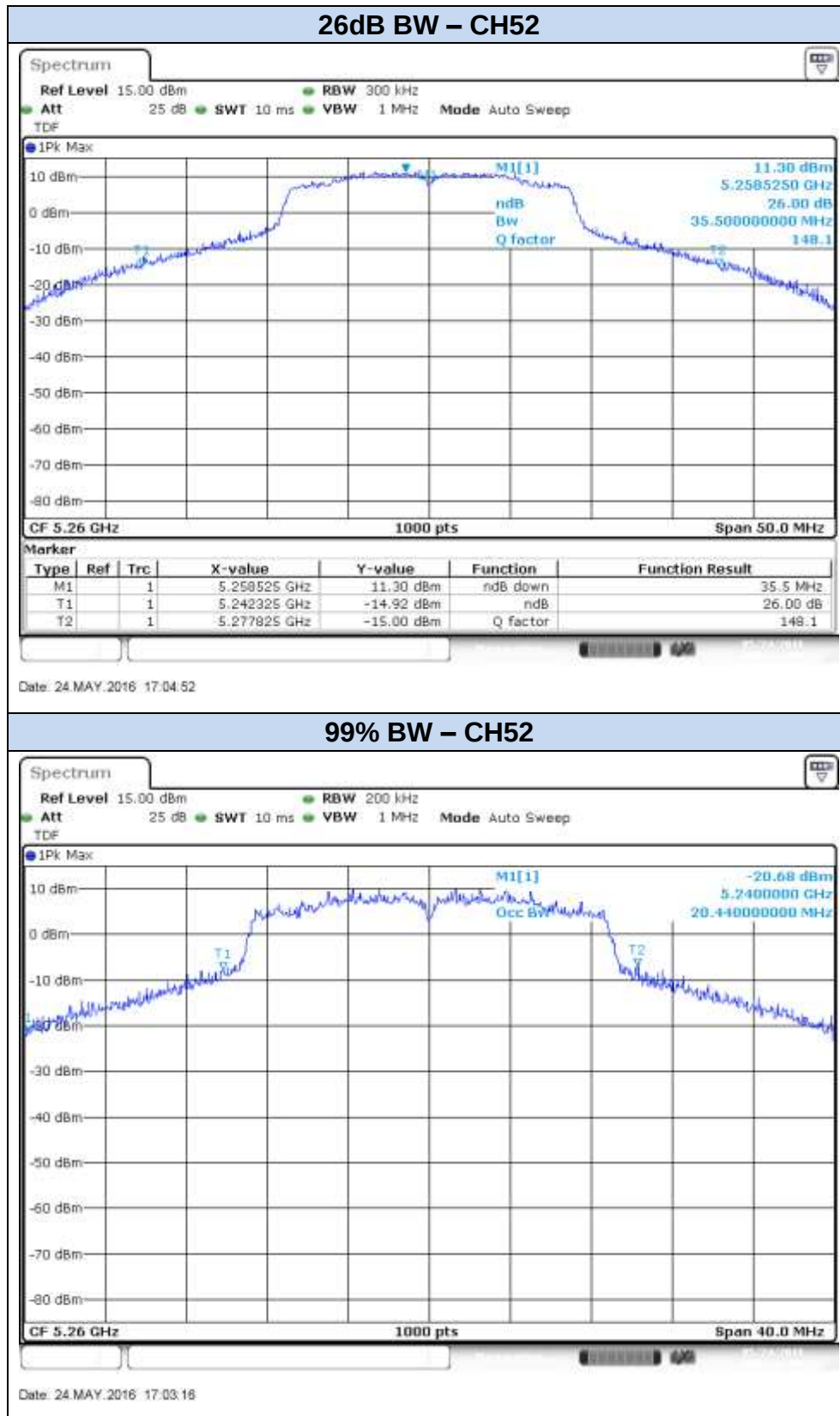
802.11n20, HT0 (SISO) – Chain B

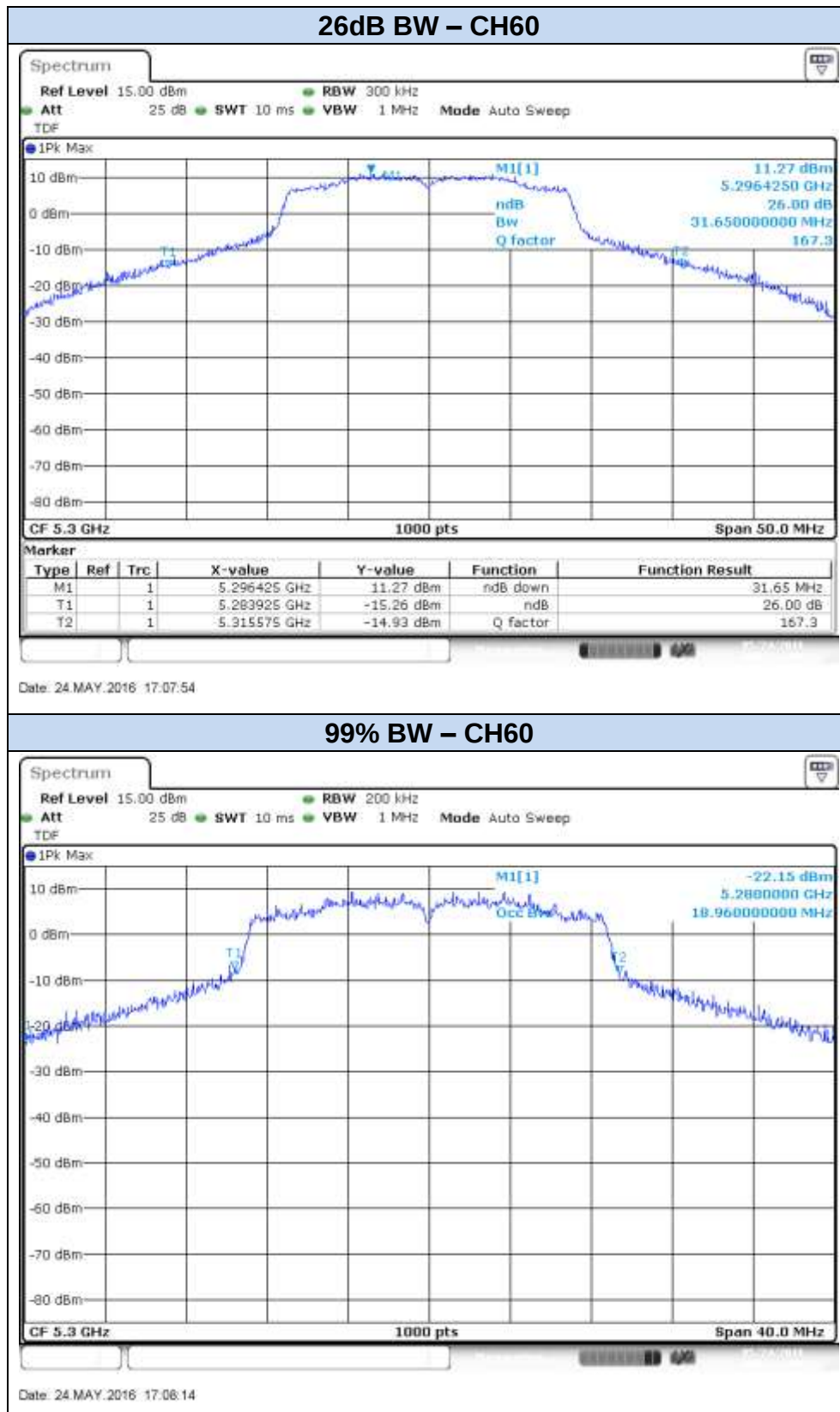


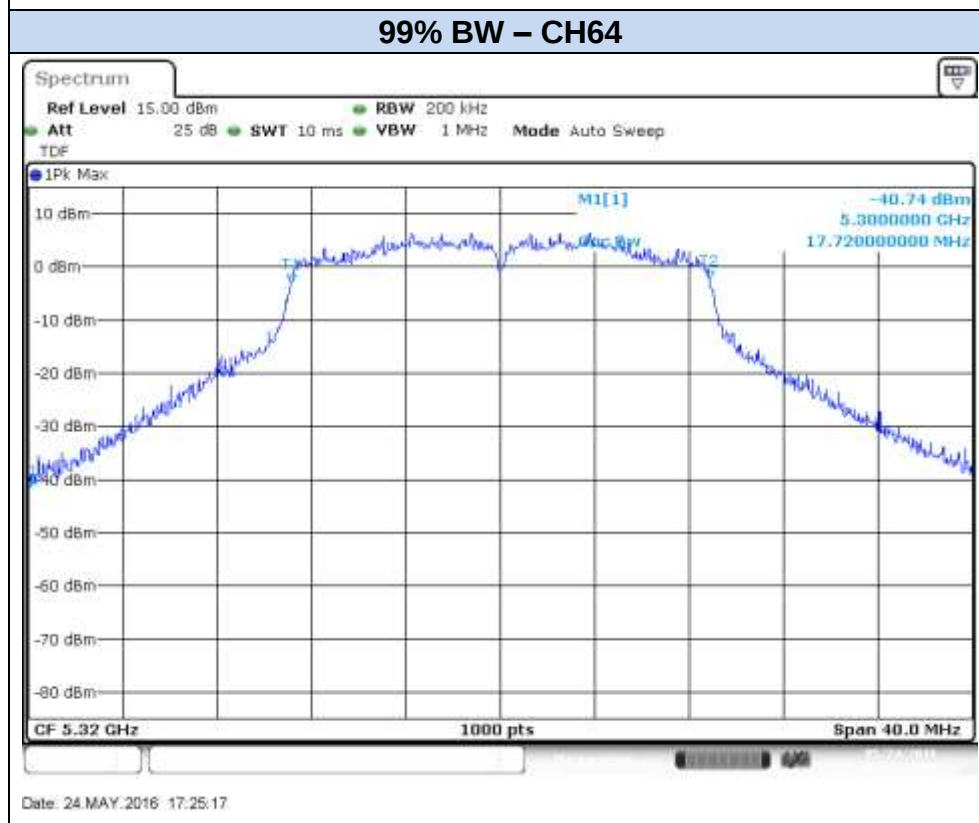
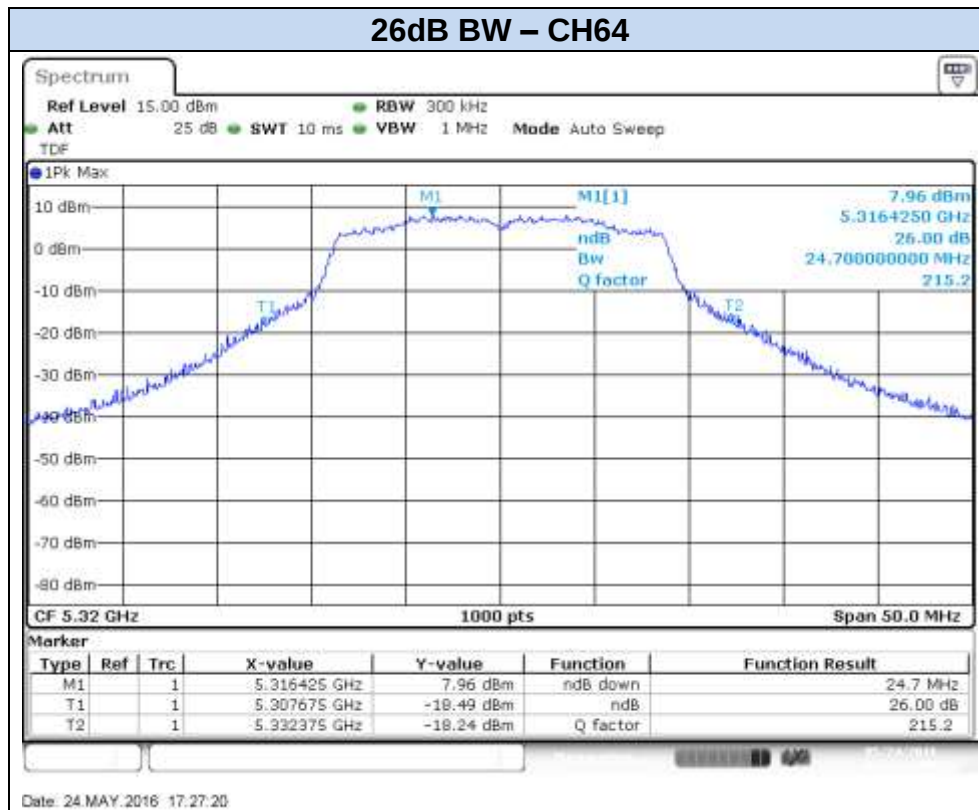




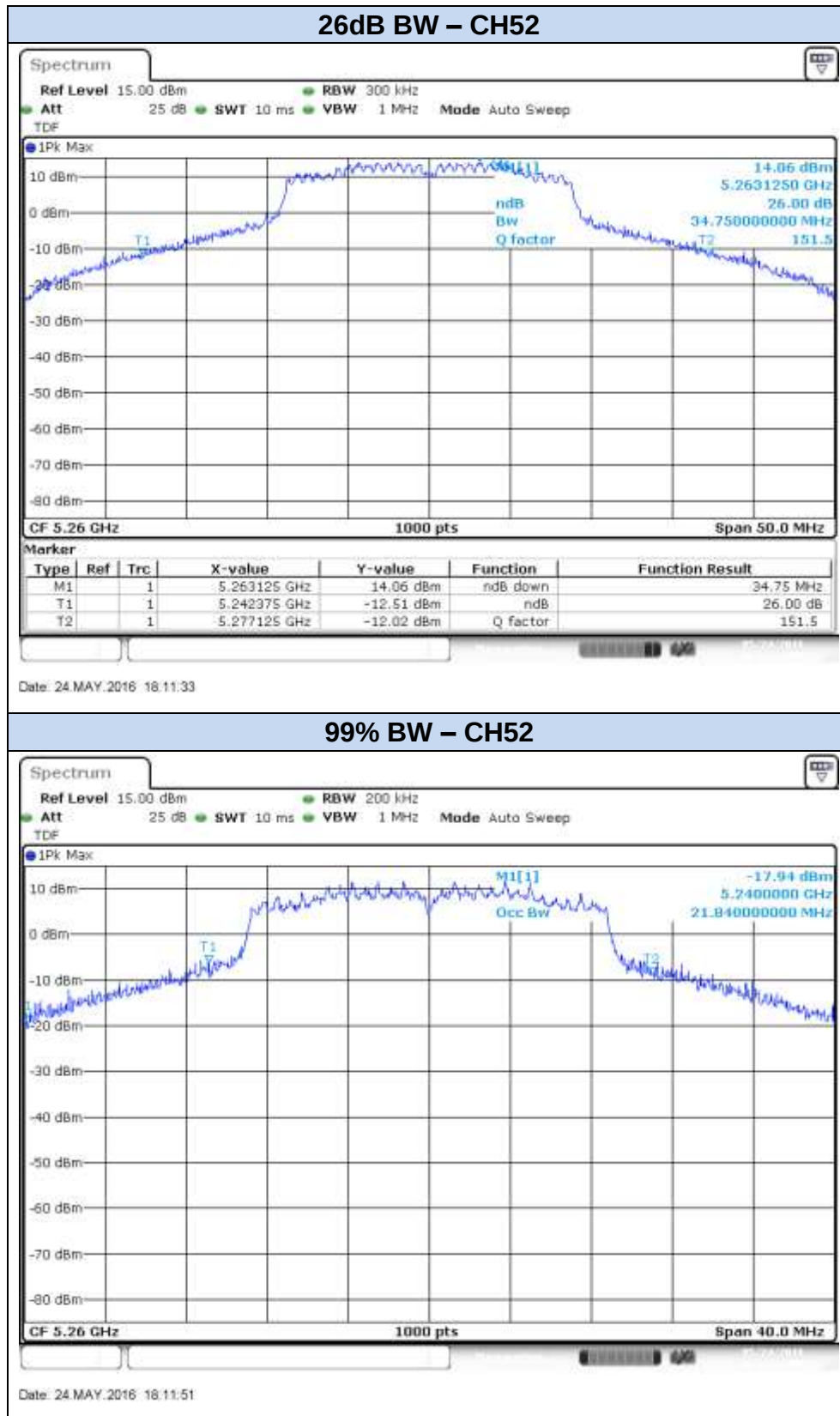
802.11n20, HT8 (MIMO) – Chain A

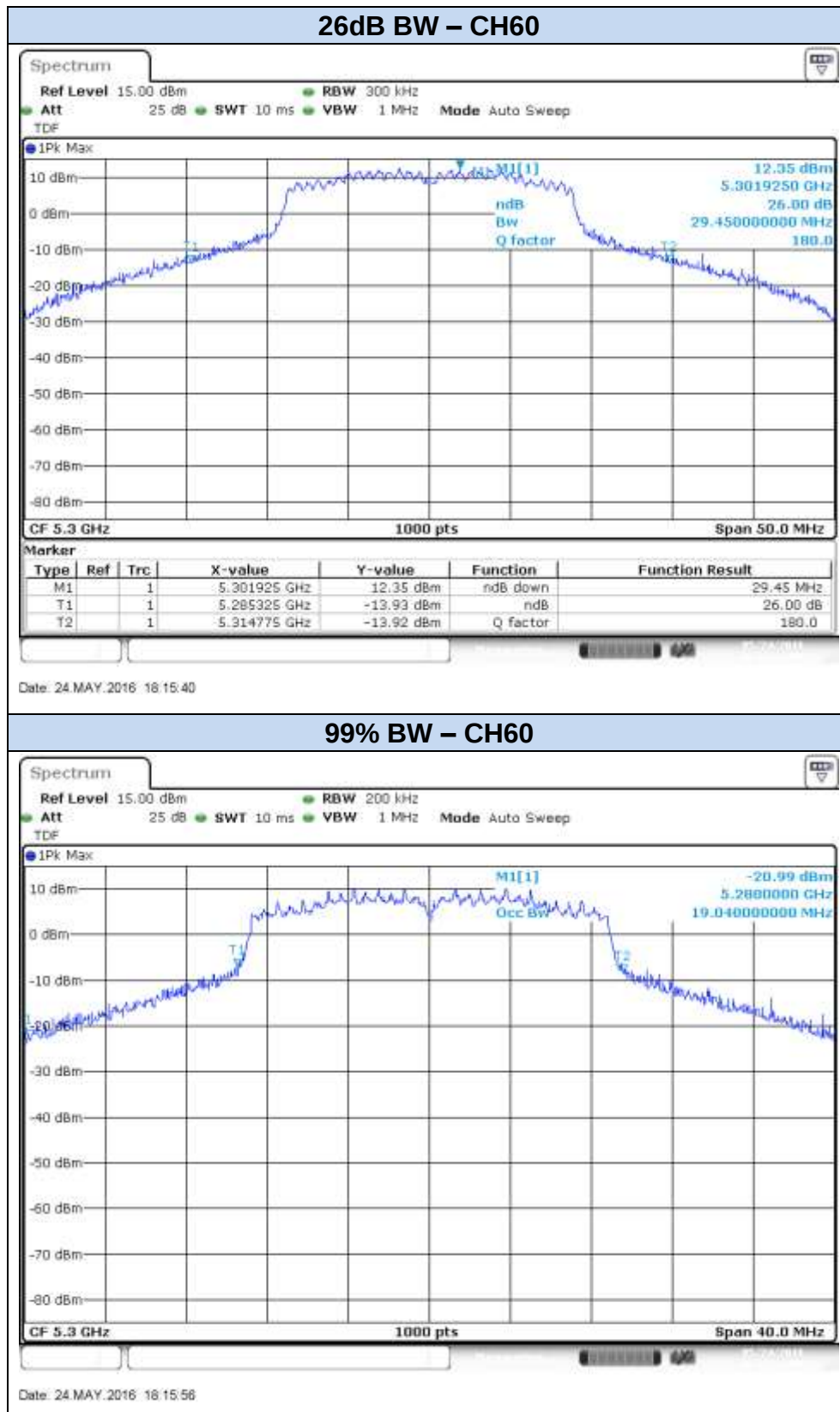


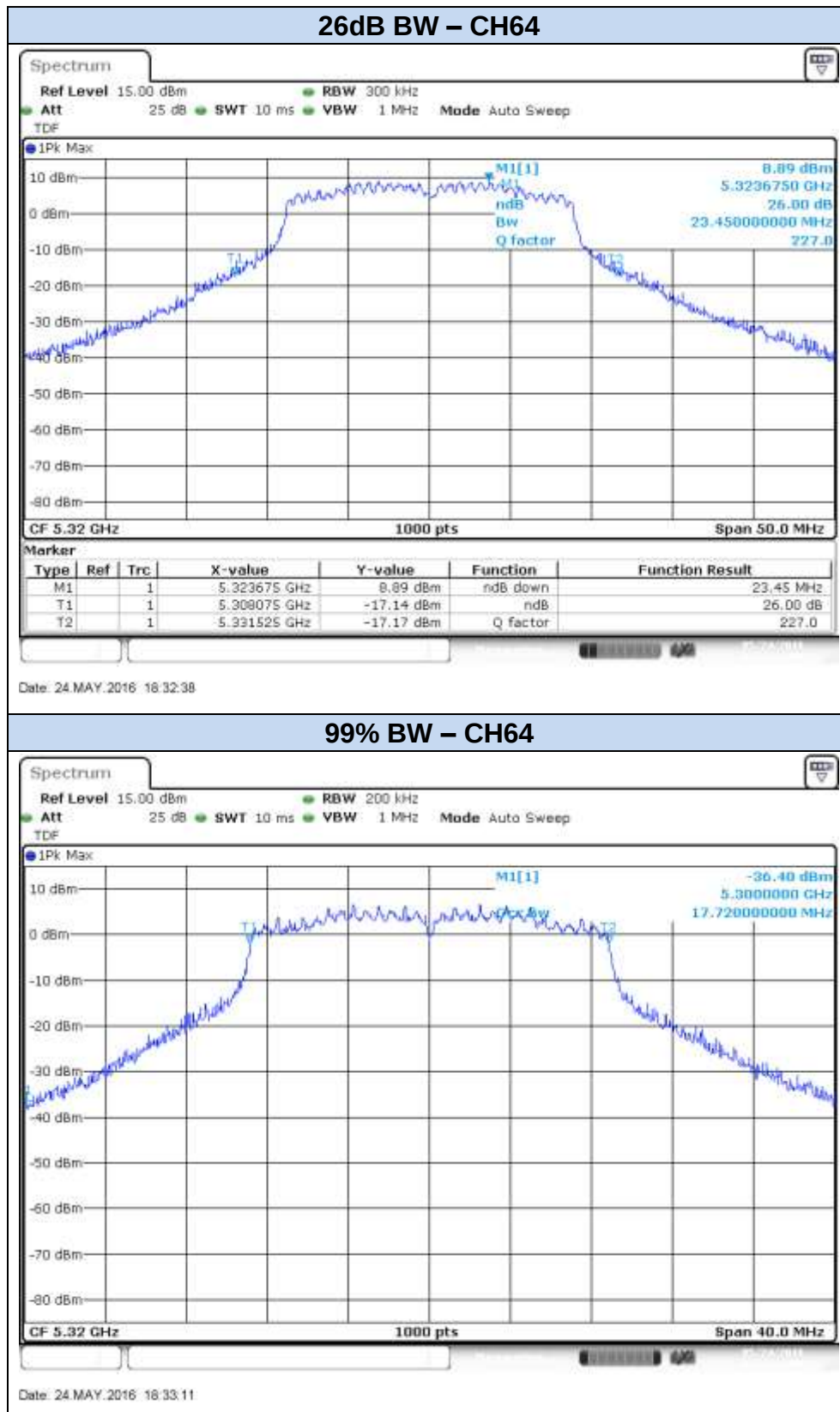




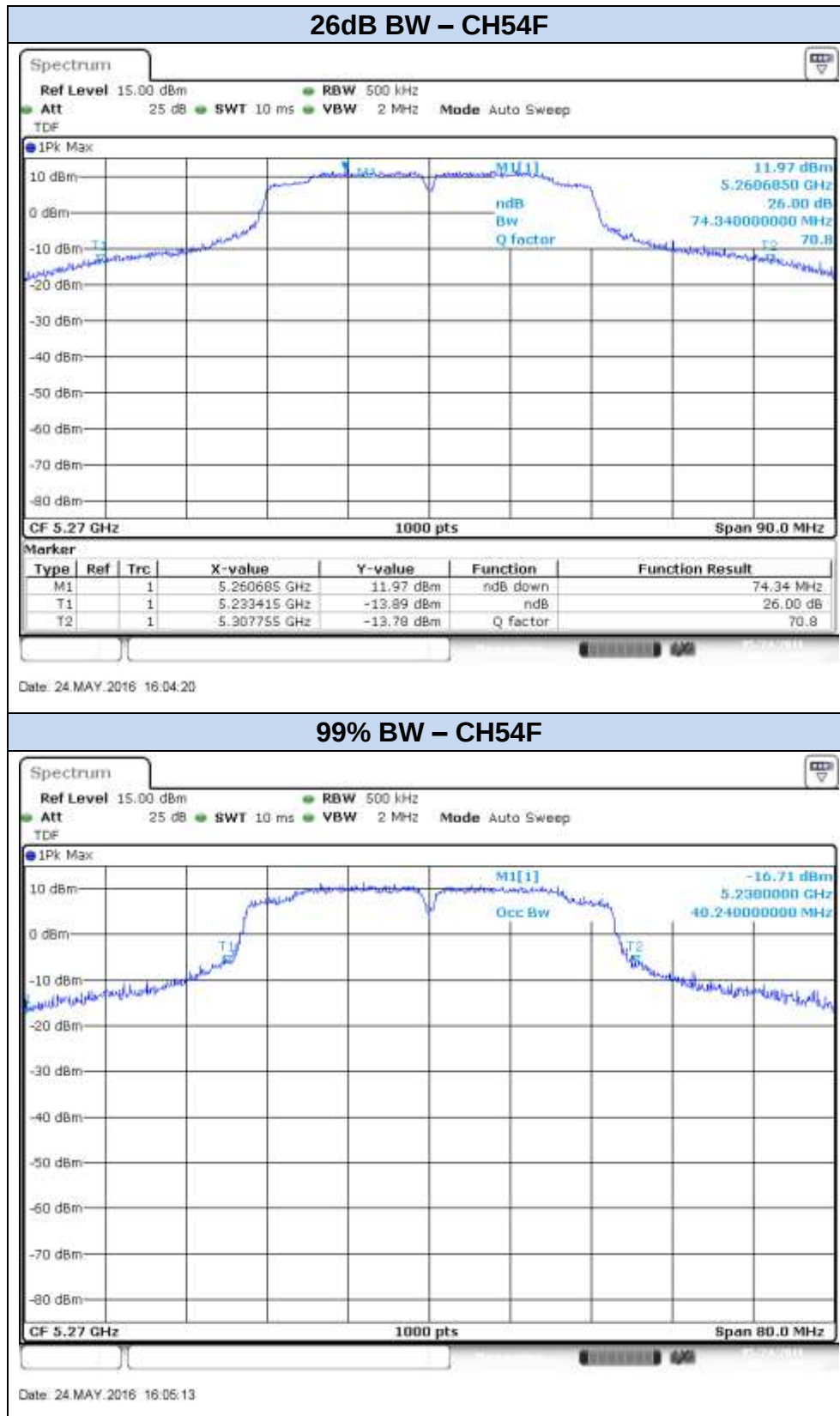
802.11n20, HT8 (MIMO) – Chain B

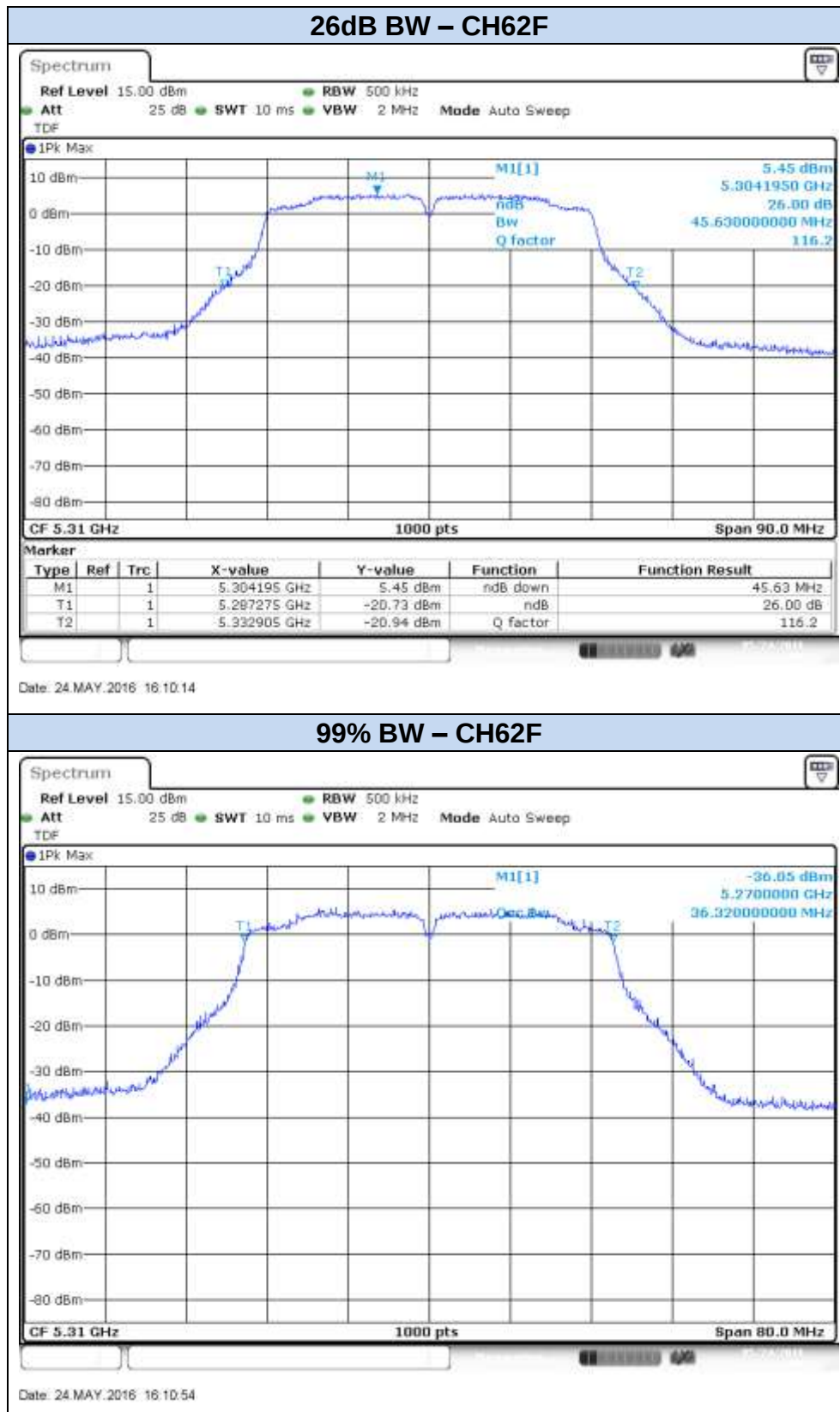




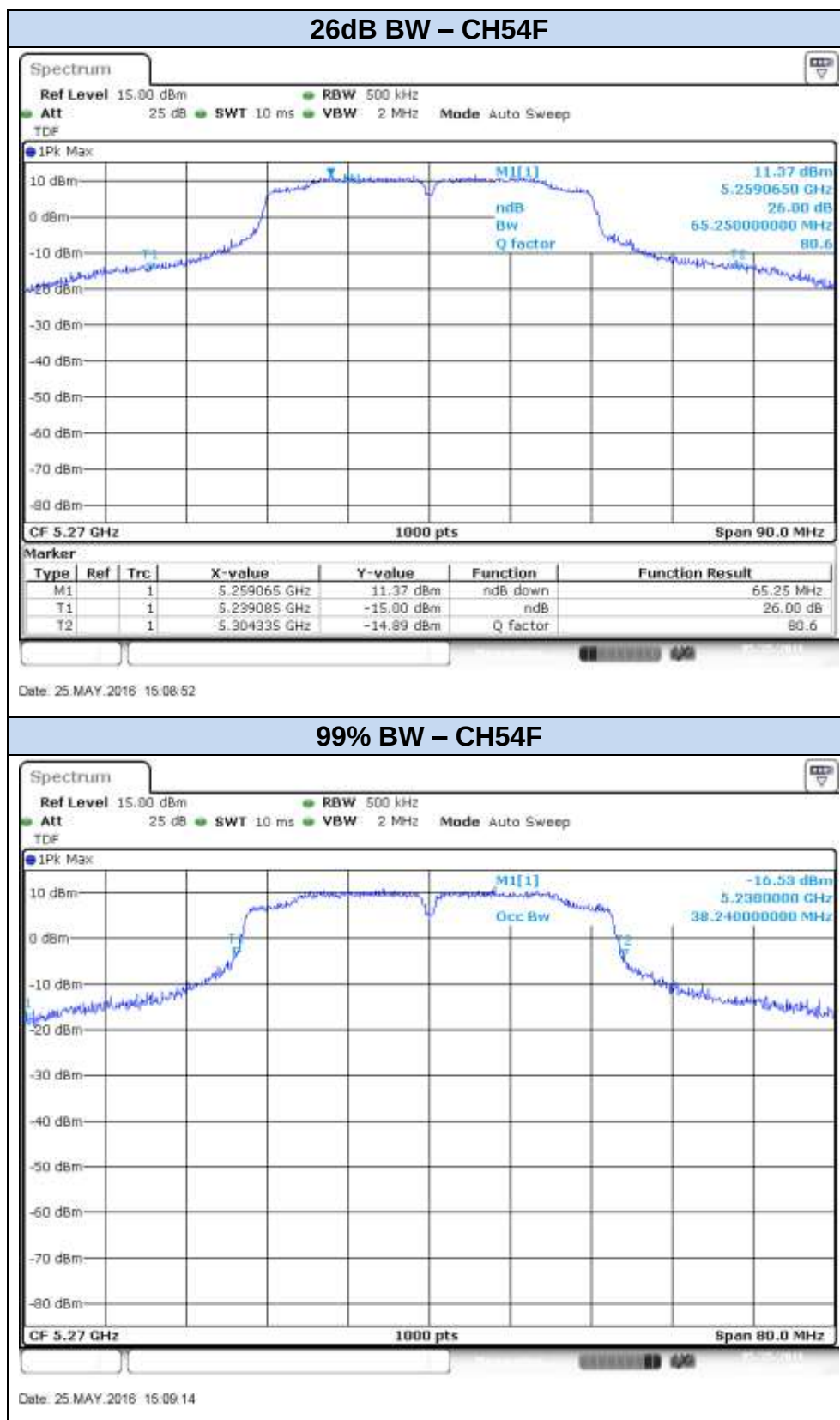


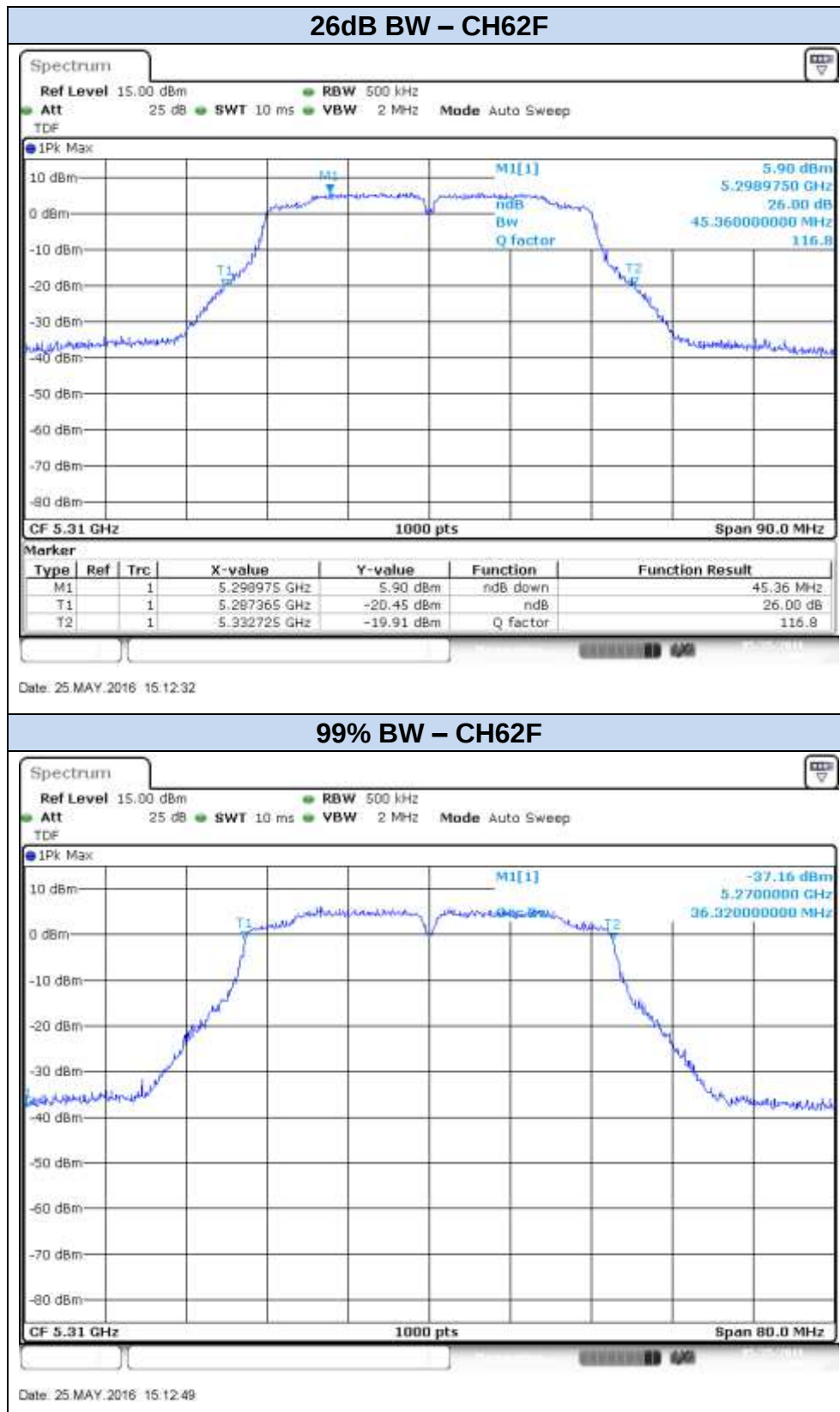
802.11n40, HT0 (SISO) – Chain A



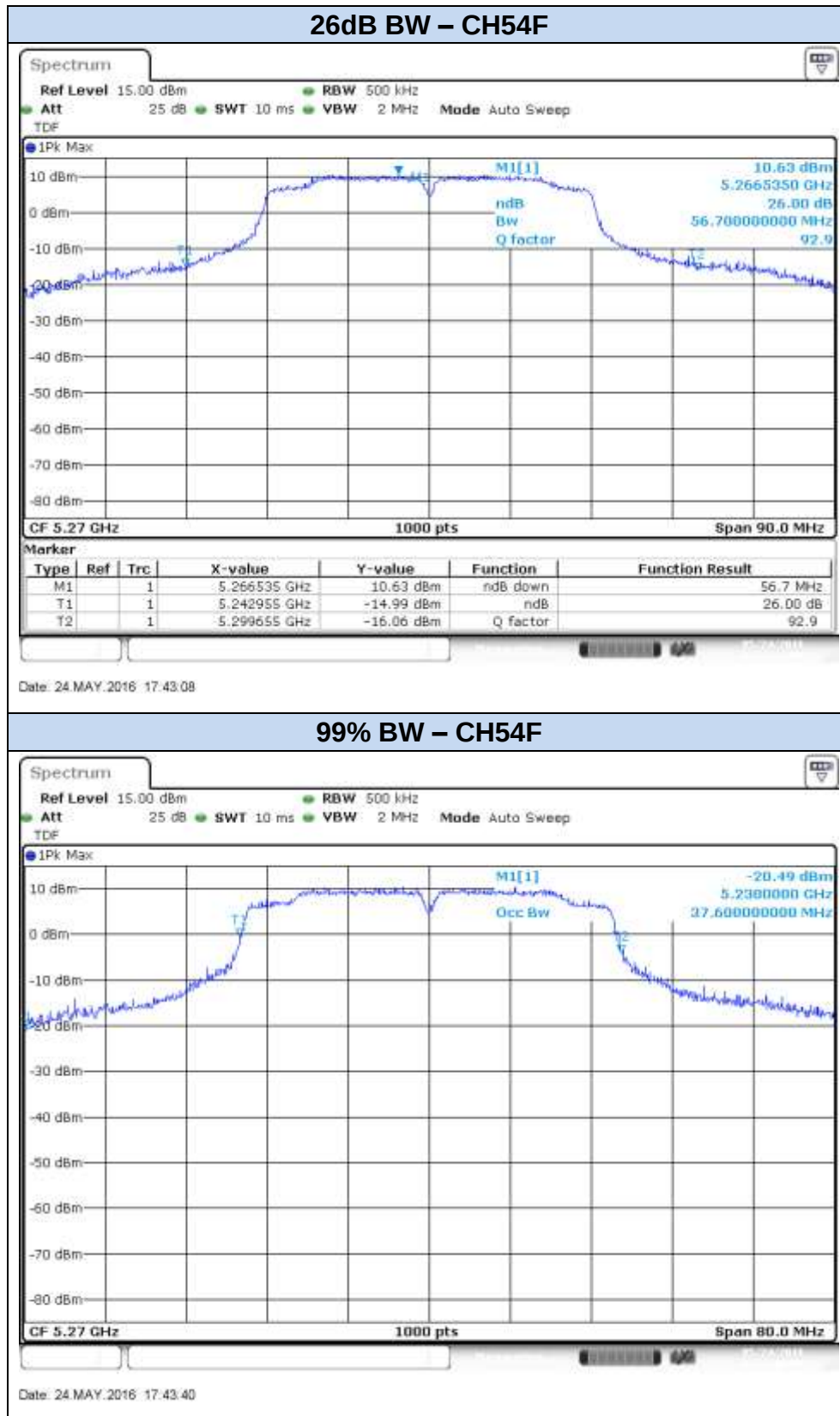


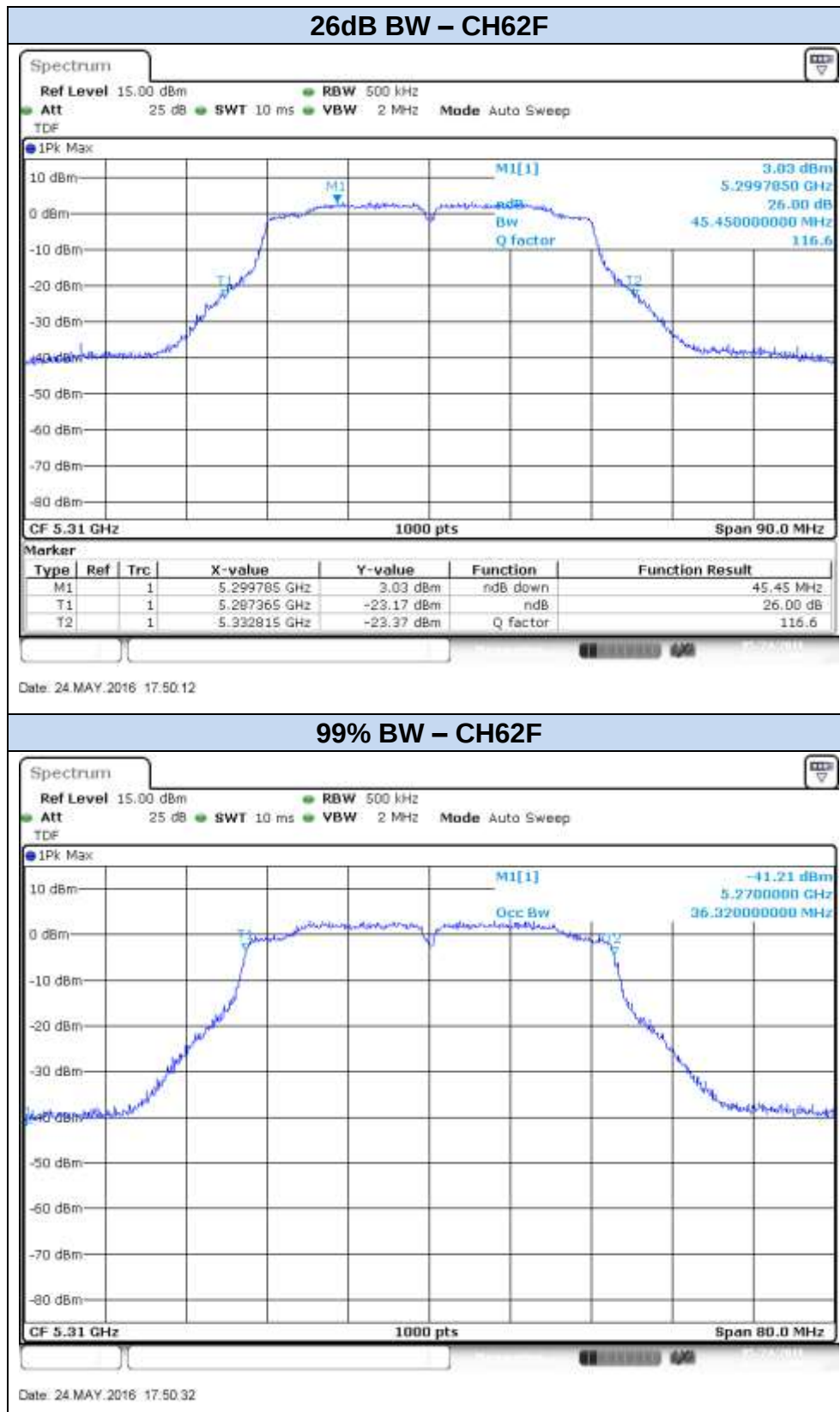
802.11n40, HT0 (SISO) – Chain B



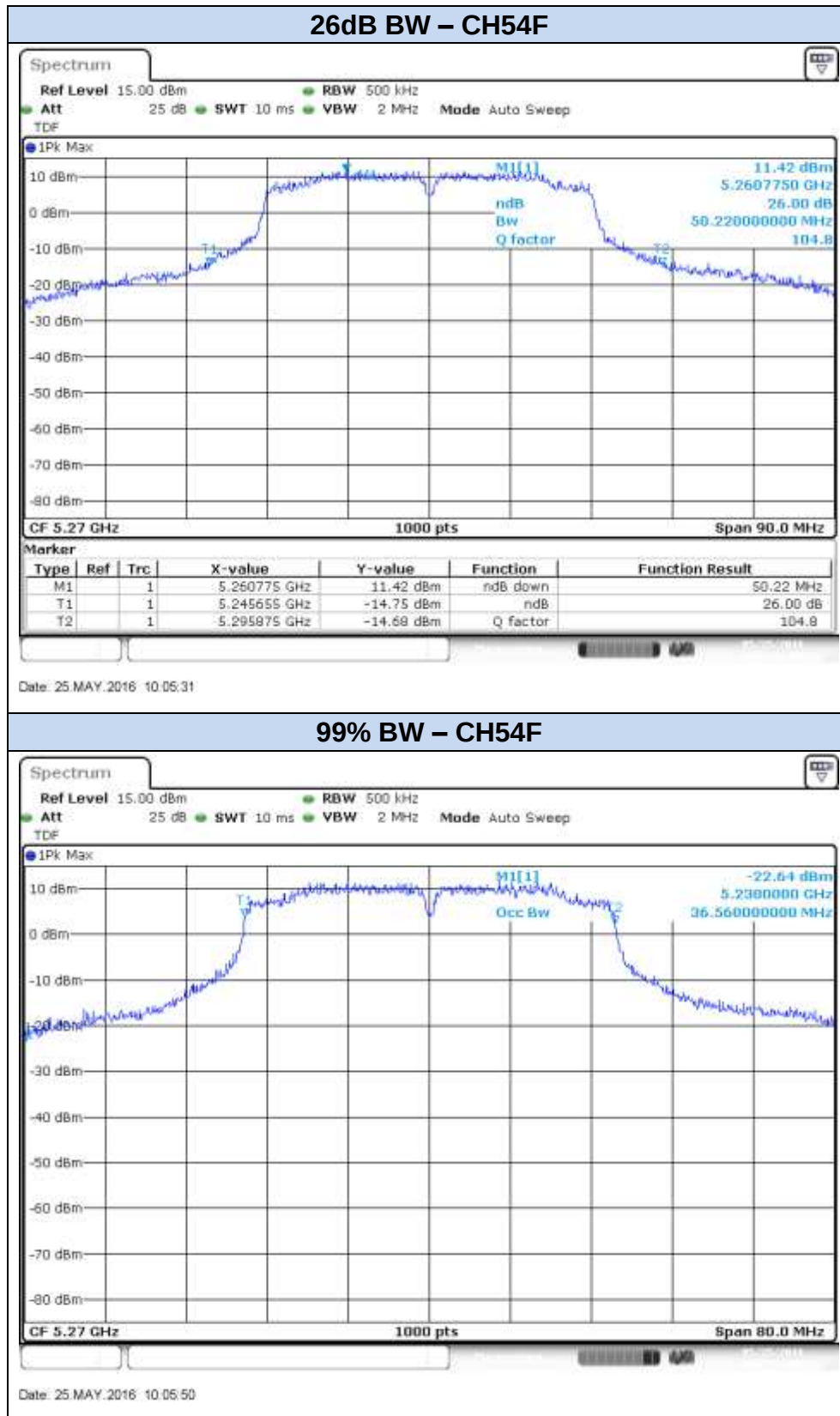


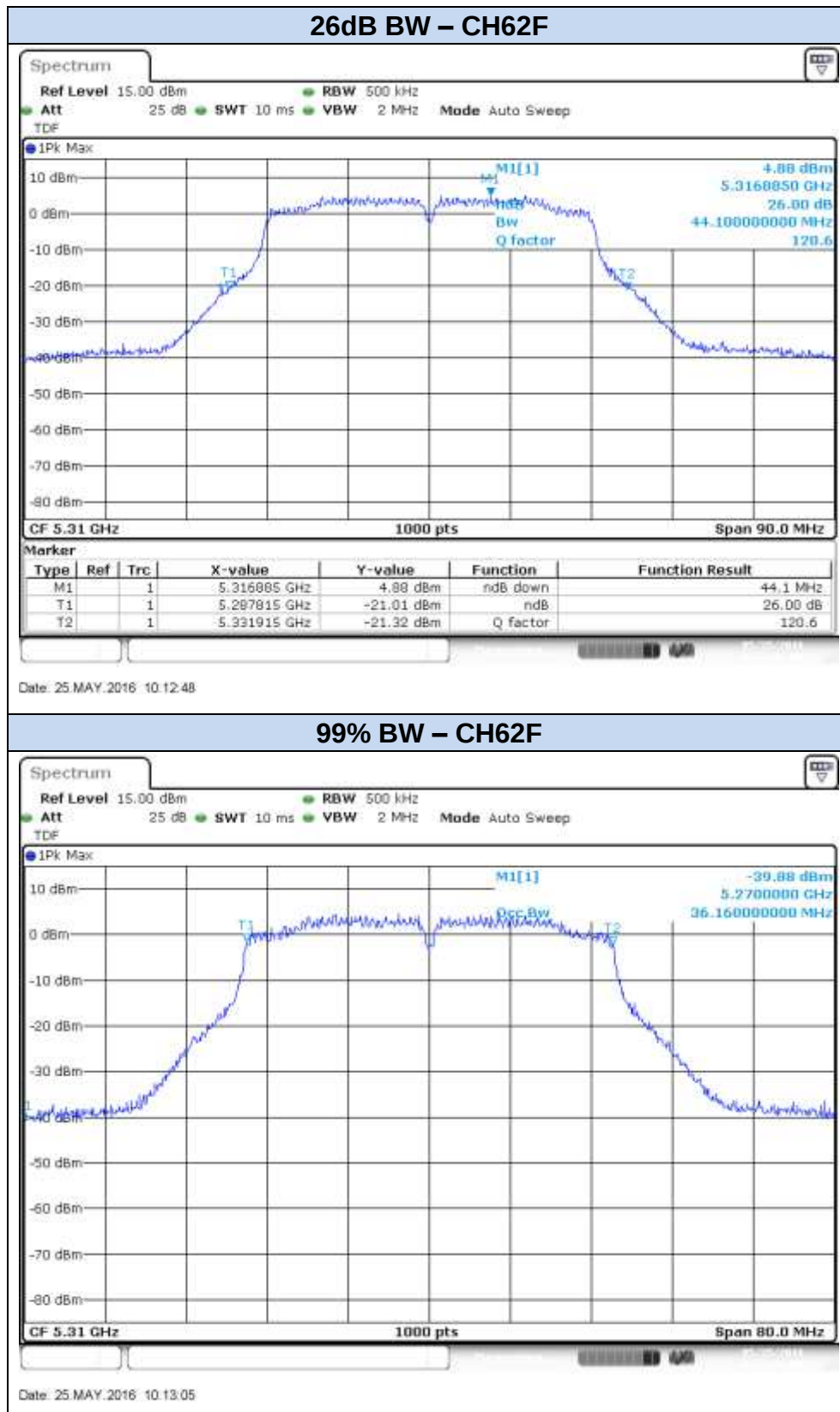
802.11n40, HT8 (MIMO) – Chain A



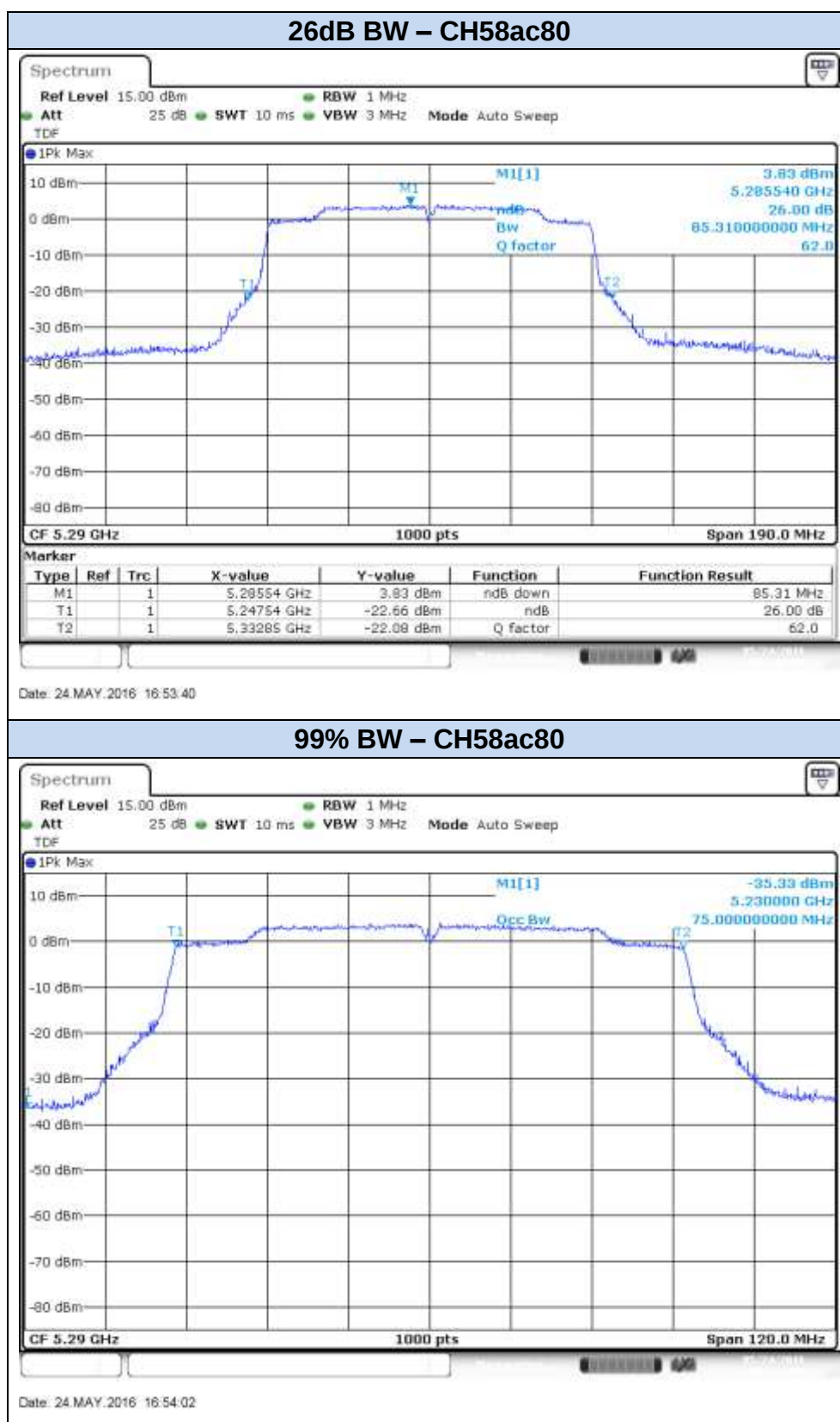


802.11n40, HT8 (MIMO) – Chain B

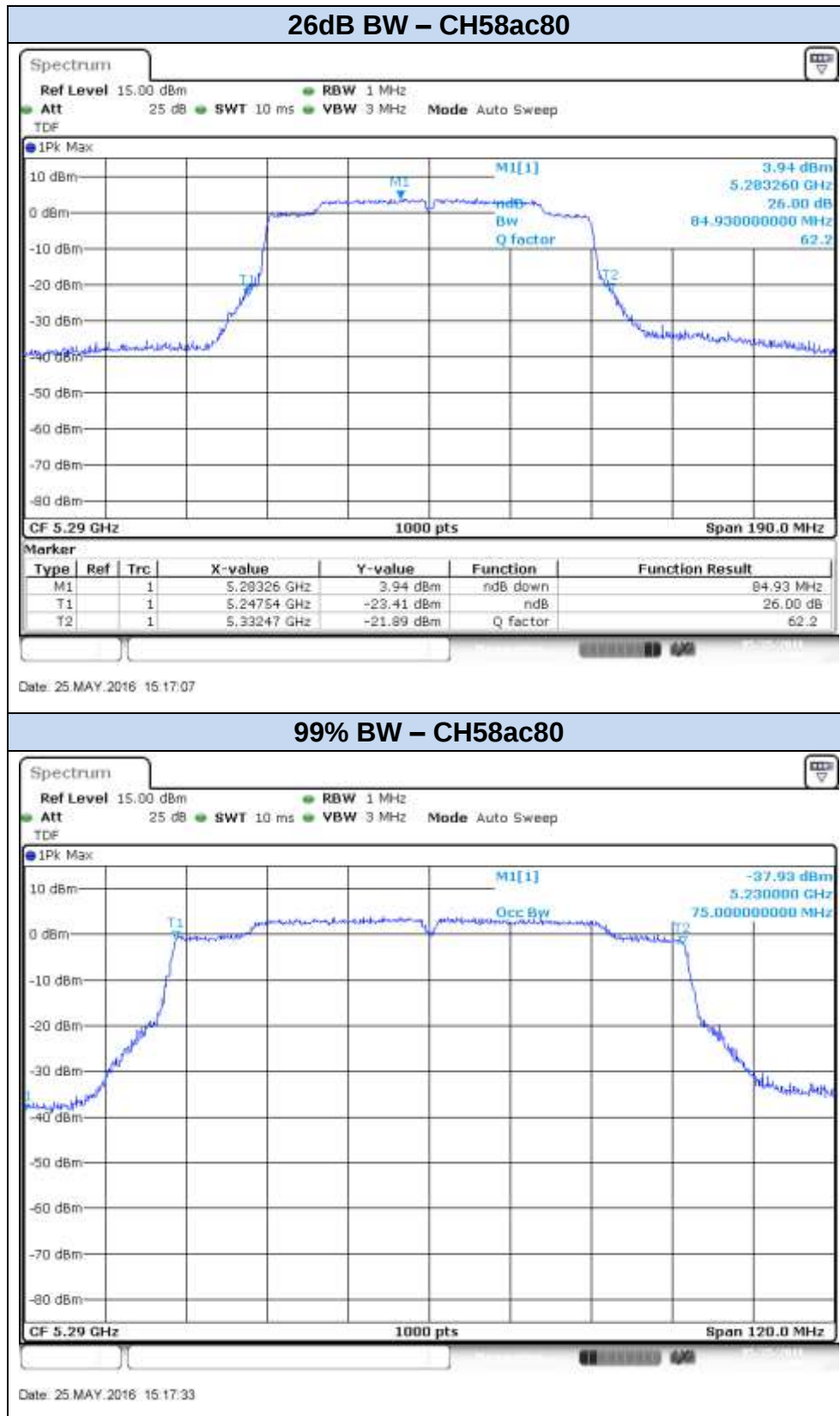




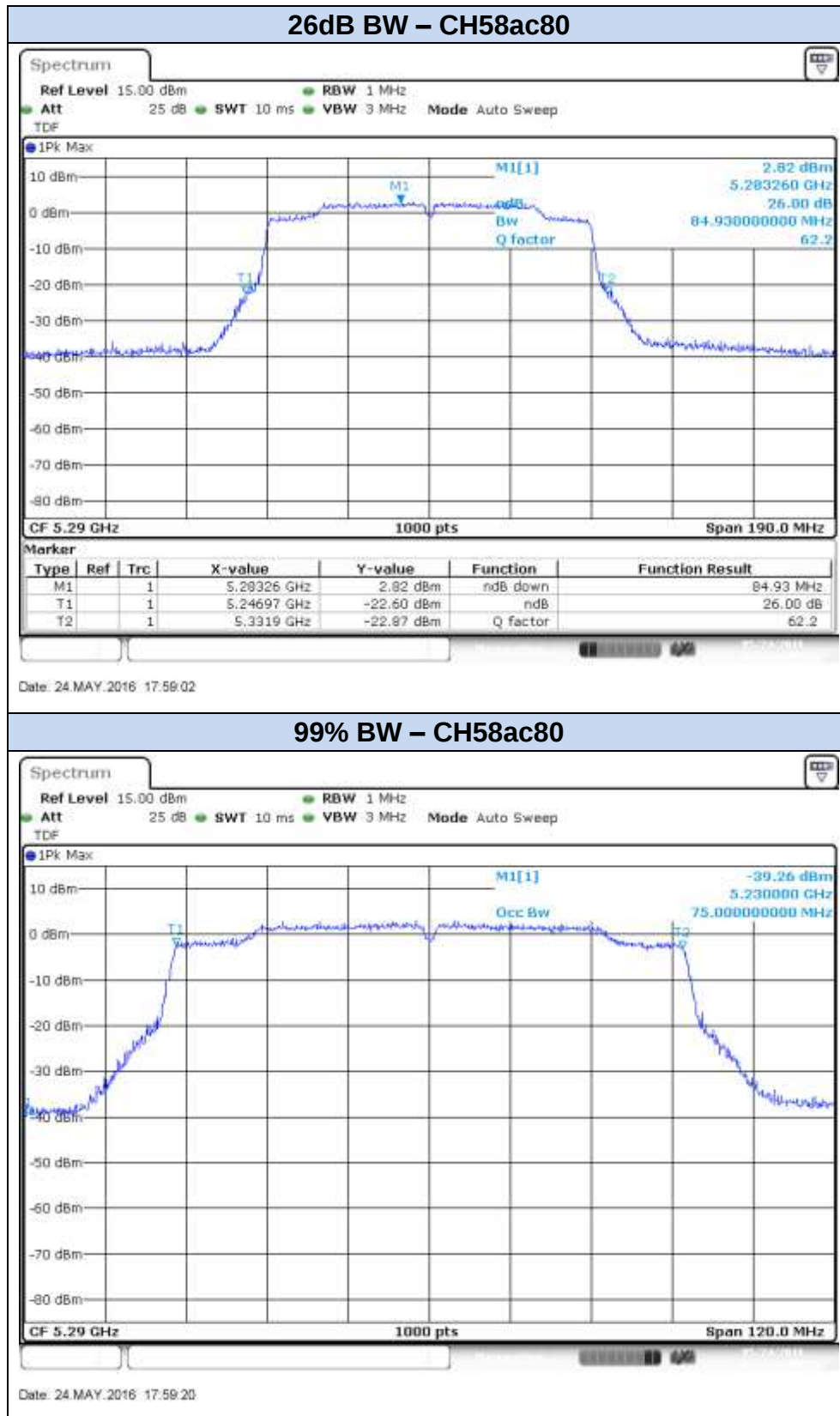
802.11ac80, VHT0 (SISO) – Chain A



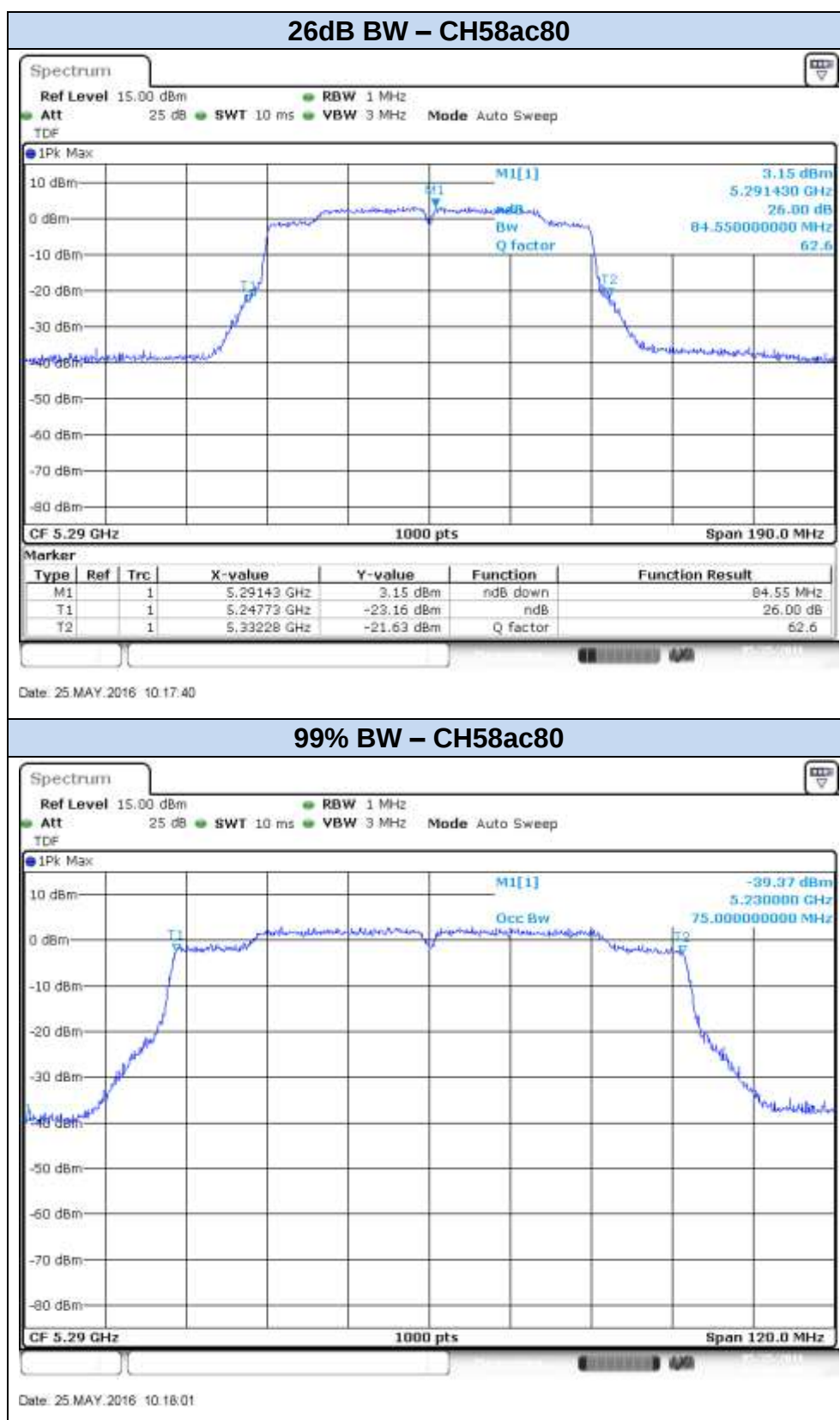
802.11ac80, VHT0 (SISO) – Chain B



802.11ac80, VHT0 (MIMO) – Chain A



802.11ac80, VHT0 (MIMO) – Chain B



C.2 Power Limits. Maximum Output power & Peak power spectral density

Test limits:

FCC part	Limits
15.407 (a) (2)	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 $11 \text{ dBm} + 10 \log B$, 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 KDB 789033 D02.

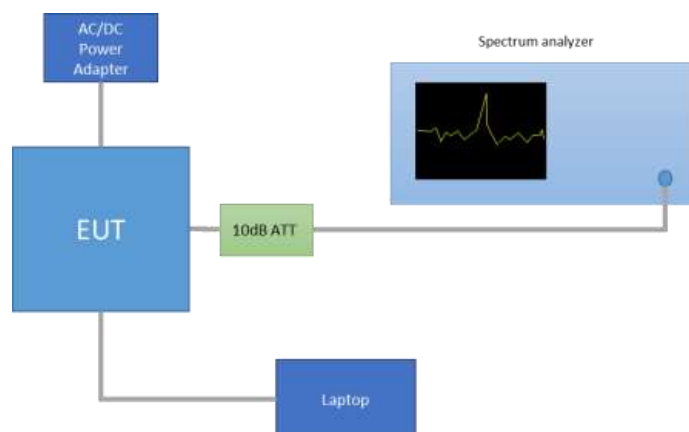
The maximum power spectral density (PSD) was measured using the method according to point F) (Method SA-2 Alternative) of KDB 789033 D02.

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

The declared maximum antenna gain is 5dBi.



Results tables:**Duty cycle**

Mode	Rate	Antenna	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
802.11a	6Mbps	SISO-A	1.45	1.48	98.2
		SISO-B	1.45	1.48	98.2
802.11n20	HT0	SISO-A	1.47	1.50	97.6
		SISO-B	1.47	1.50	97.6
	HT8	MIMO-A	1.47	1.51	97.5
		MIMO-B	1.47	1.51	97.5
802.11n40	HT0	SISO-A	1.46	1.49	98.1
		SISO-B	1.46	1.49	98.1
	HT8	MIMO-A	1.48	1.52	97.3
		MIMO-B	1.48	1.52	97.3
802.11ac80	VHT0	SISO-A	1.46	1.49	98.1
		SISO-B	1.46	1.49	98.1
		MIMO-A	1.48	1.52	97.2
		MIMO-B	1.48	1.52	97.2

Maximum output power

Mode	Rate	Channel	Freq. [MHz]	Antenna	Average Conducted Output Power [dBm]	Maximum* Conducted Output Power [dBm]	Maximum* Conducted Output Power [mW]	Maximum* EIRP [dBm]
802.11a	6Mbps	52	5260	SISO CHAIN A	20.06	20.14	103.24	25.14
				SISO CHAIN B	20.71	20.79	119.91	25.79
		60	5300	SISO CHAIN A	20.21	20.29	106.87	25.29
				SISO CHAIN B	20.28	20.36	108.61	25.36
		64	5320	SISO CHAIN A	16.16	16.24	42.06	21.24
				SISO CHAIN B	16.14	16.22	41.87	21.22
802.11n20	HT0	52	5260	SISO CHAIN A	20.23	20.33	108.00	25.33
				SISO CHAIN B	20.78	20.88	122.58	25.88
		60	5300	SISO CHAIN A	20.20	20.30	107.26	25.30
				SISO CHAIN B	20.32	20.42	110.26	25.42
		64	5320	SISO CHAIN A	15.84	15.94	39.30	20.94
				SISO CHAIN B	16.35	16.45	44.20	21.45
	HT8	52	5260	MIMO CHAIN A	18.87	18.98	79.05	23.98
				MIMO CHAIN B	19.08	19.19	82.97	24.19
				Combined A+B	21.99	22.10	162.01	27.10
		60	5300	MIMO CHAIN A	18.55	18.66	73.43	23.66
				MIMO CHAIN B	18.76	18.87	77.07	23.87
				Combined A+B	21.67	21.78	150.51	26.78
		64	5320	MIMO CHAIN A	15.59	15.70	37.14	20.70
				MIMO CHAIN B	15.80	15.91	38.99	20.91
				Combined A+B	18.71	18.82	76.13	23.82
	HT0	54F	5270	SISO CHAIN A	19.95	20.03	100.76	25.03
				SISO CHAIN B	19.68	19.76	94.68	24.76
		62F	5310	SISO CHAIN A	14.44	14.52	28.33	19.52
				SISO CHAIN B	14.67	14.75	29.87	19.75
		54F	5270	MIMO CHAIN A	19.18	19.30	85.07	24.30
				MIMO CHAIN B	18.75	18.87	77.05	23.87
				Combined A+B	21.98	22.10	162.13	27.10
		62F	5310	MIMO CHAIN A	11.89	12.01	15.88	17.01
				MIMO CHAIN B	11.63	11.75	14.96	16.75
				Combined A+B	14.77	14.89	30.83	19.89
802.11ac80	VHT0	58ac80	5290	SISO CHAIN A	11.75	11.83	15.25	16.83
				SISO CHAIN B	11.64	11.72	14.87	16.72
				MIMO CHAIN A	10.57	10.69	11.74	15.69
				MIMO CHAIN B	10.42	10.54	11.34	15.54
				Combined A+B	13.51	13.63	23.07	18.63

* Maximum values are the duty cycle compensated values calculated from the average (measured) values

Max Value

Min Value

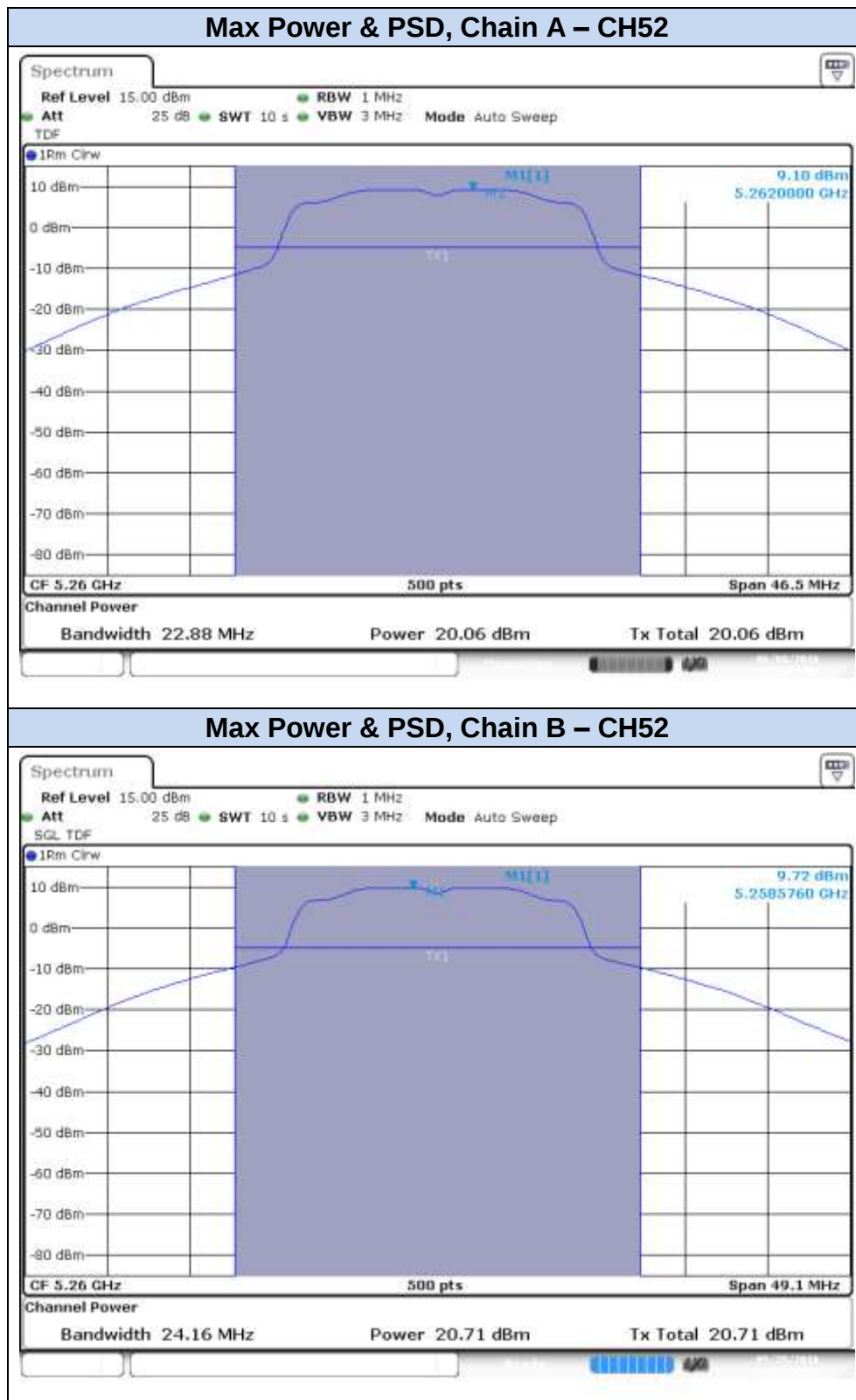
Maximum Power Spectral Density (PSD)

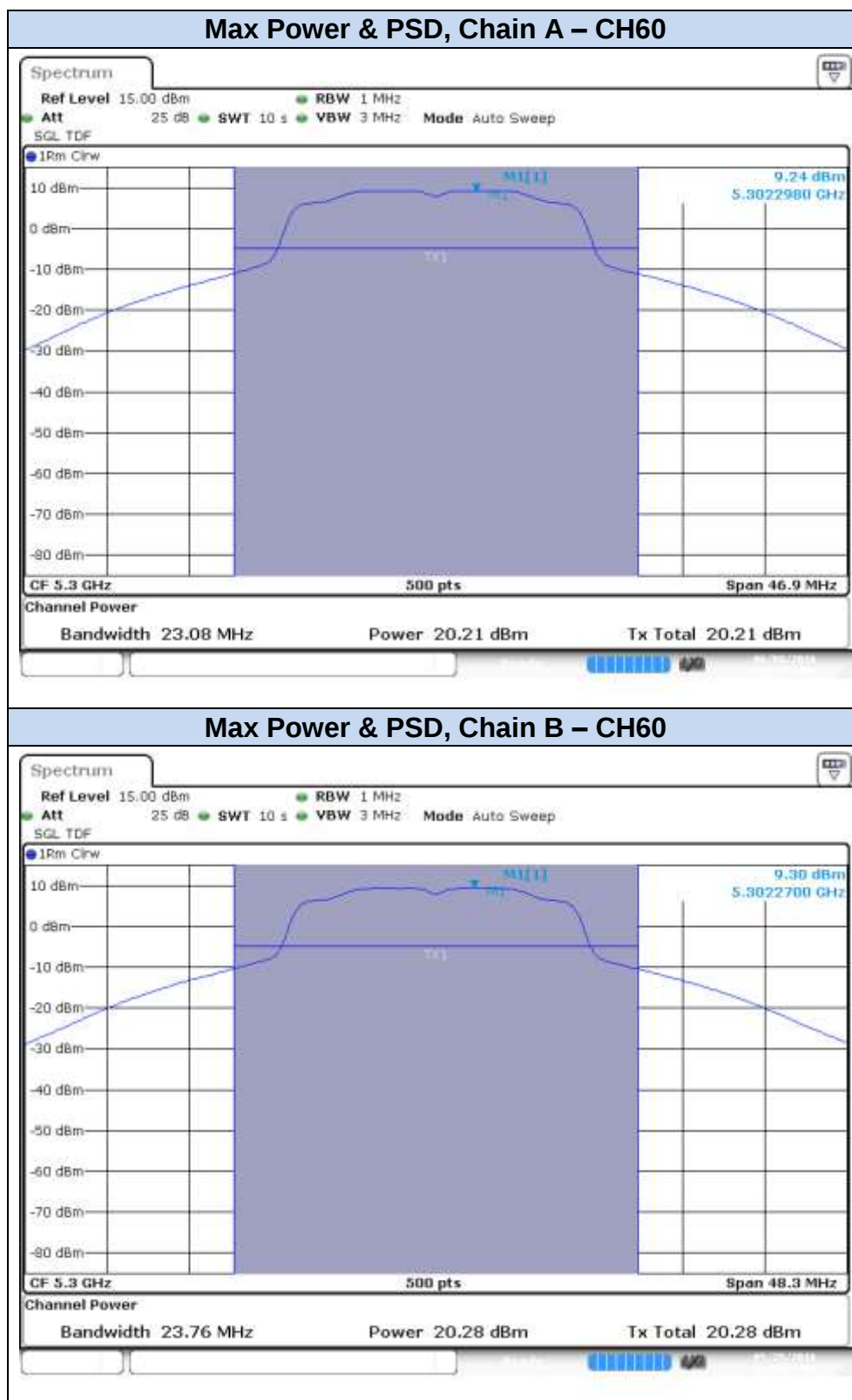
Mode	Rate	Channel	Freq. [MHz]	Antenna	Average conducted PSD [dBm/MHz]	Maximum* conducted PSD [dBm/MHz]
802.11a	6Mbps	52	5260	SISO CHAIN A	9.10	9.18
				SISO CHAIN B	9.72	9.80
		60	5300	SISO CHAIN A	9.24	9.32
				SISO CHAIN B	9.30	9.38
		64	5320	SISO CHAIN A	5.29	5.37
				SISO CHAIN B	5.28	5.36
802.11n20	HT0	52	5260	SISO CHAIN A	9.07	9.17
				SISO CHAIN B	9.58	9.68
		60	5300	SISO CHAIN A	9.05	9.15
				SISO CHAIN B	9.15	9.25
		64	5320	SISO CHAIN A	4.77	4.87
				SISO CHAIN B	5.28	5.38
	HT8	52	5260	MIMO CHAIN A	7.71	7.82
				MIMO CHAIN B	7.95	8.06
				Combined A+B	10.84	10.95
		60	5300	MIMO CHAIN A	7.39	7.50
				MIMO CHAIN B	7.65	7.76
				Combined A+B	10.53	10.64
		64	5320	MIMO CHAIN A	4.52	4.63
				MIMO CHAIN B	4.76	4.87
				Combined A+B	7.65	7.76
802.11n40	HT0	54F	5270	SISO CHAIN A	5.50	5.58
				SISO CHAIN B	5.25	5.33
		62F	5310	SISO CHAIN A	0.01	0.09
				SISO CHAIN B	0.26	0.34
	HT8	54F	5270	MIMO CHAIN A	4.75	4.87
				MIMO CHAIN B	4.34	4.46
				Combined A+B	7.56	7.68
		62F	5310	MIMO CHAIN A	-2.48	-2.36
				MIMO CHAIN B	-2.76	-2.64
				Combined A+B	0.39	0.51
802.11ac80	VHT0	58ac80	5290	SISO CHAIN A	-5.49	-5.41
				SISO CHAIN B	-5.60	-5.52
				MIMO CHAIN A	-6.70	-6.58
				MIMO CHAIN B	-6.83	-6.71
				Combined A+B	-3.75	-3.63

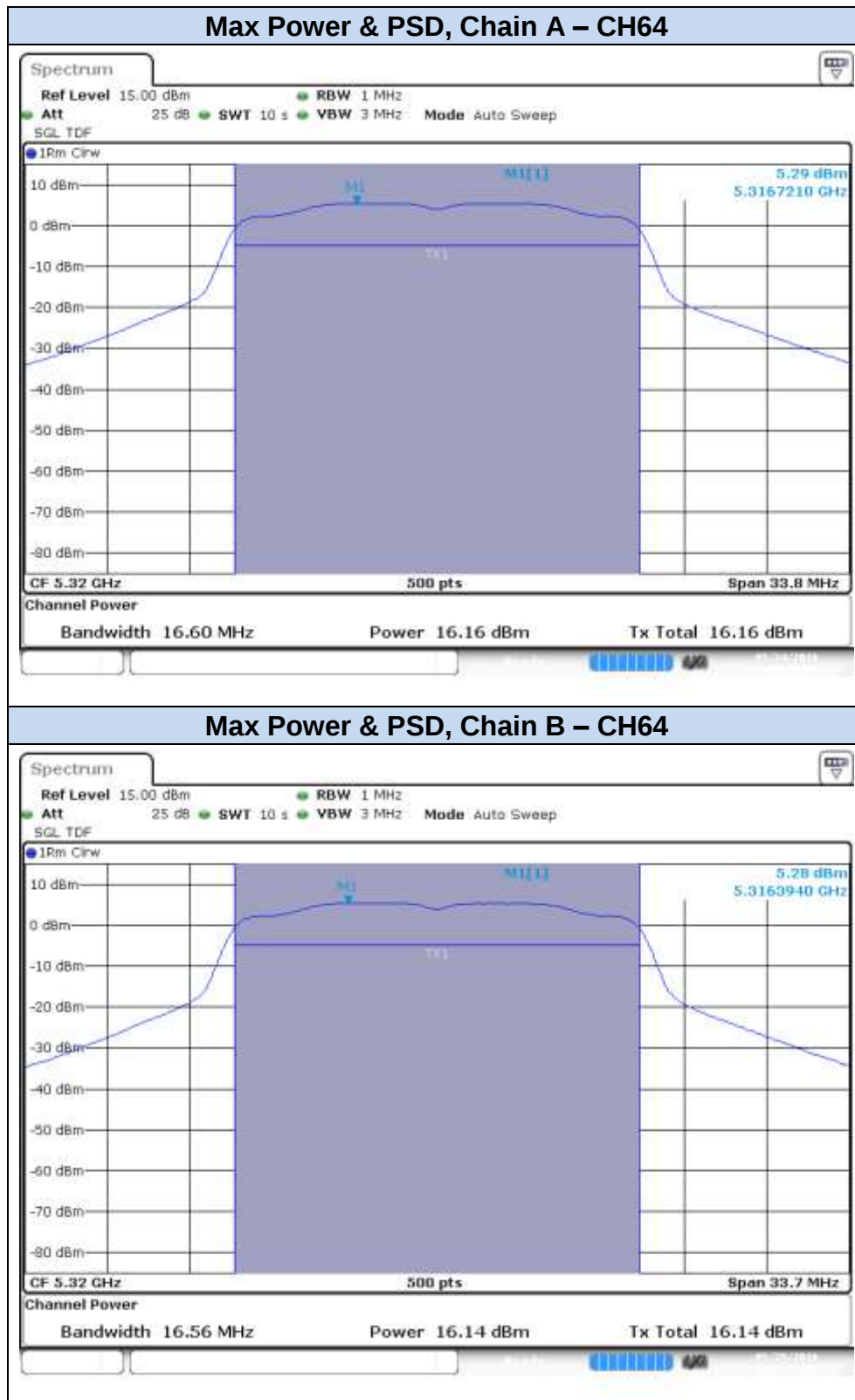
* Maximum values are the duty cycle compensated values calculated from the measured average values

Results screenshot:

802.11a, 6Mbps

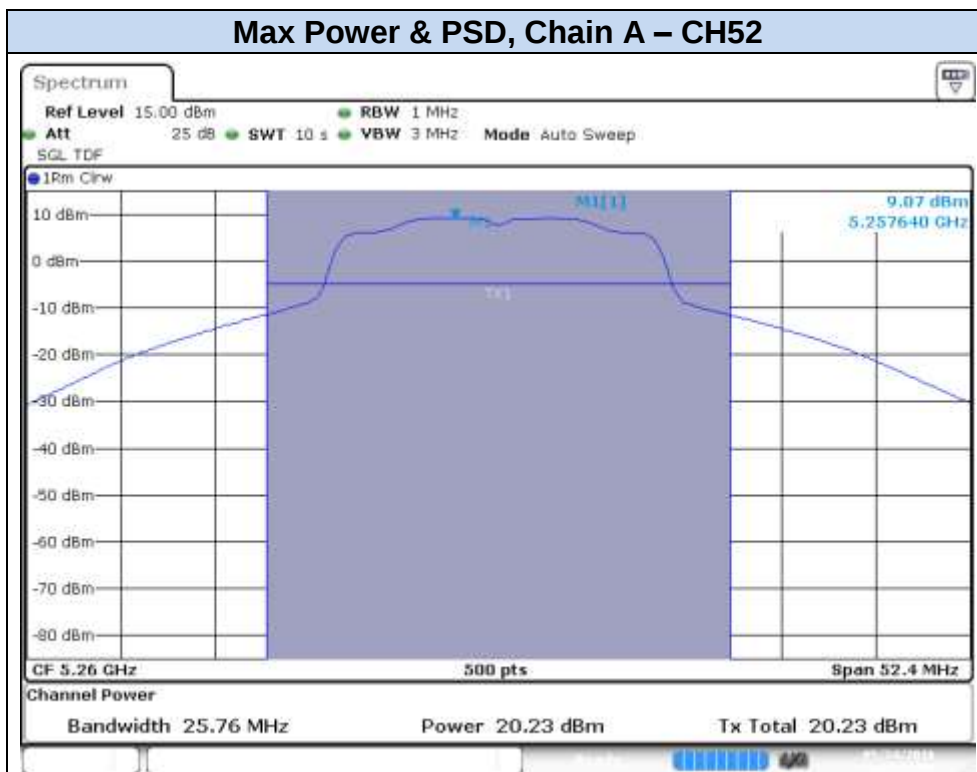




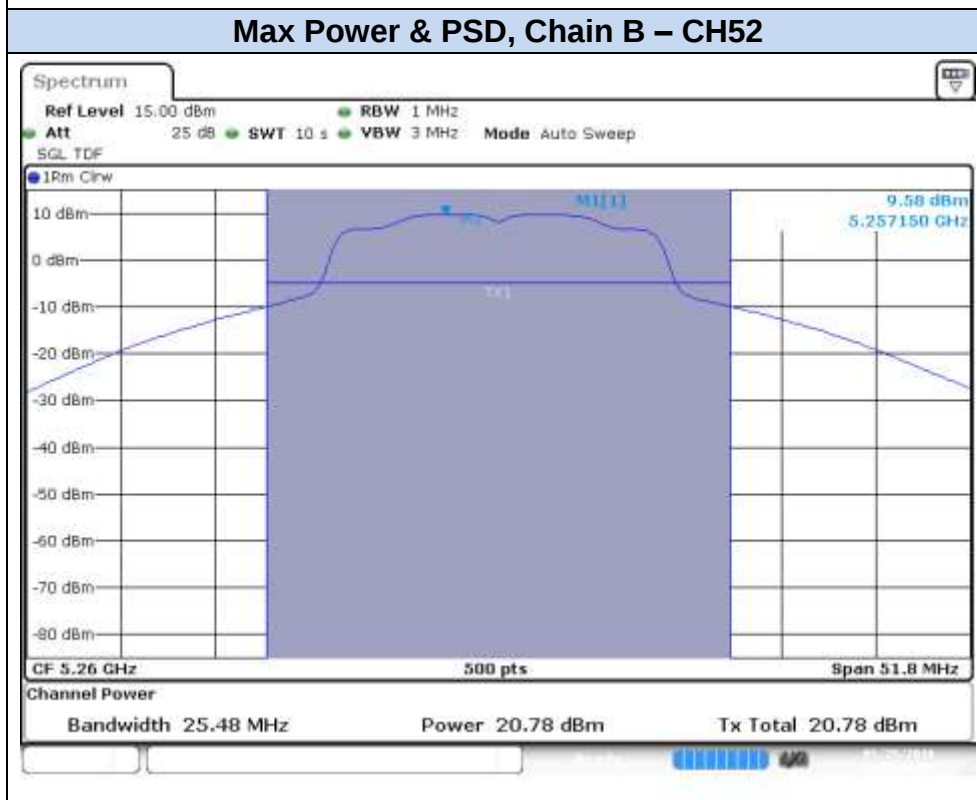


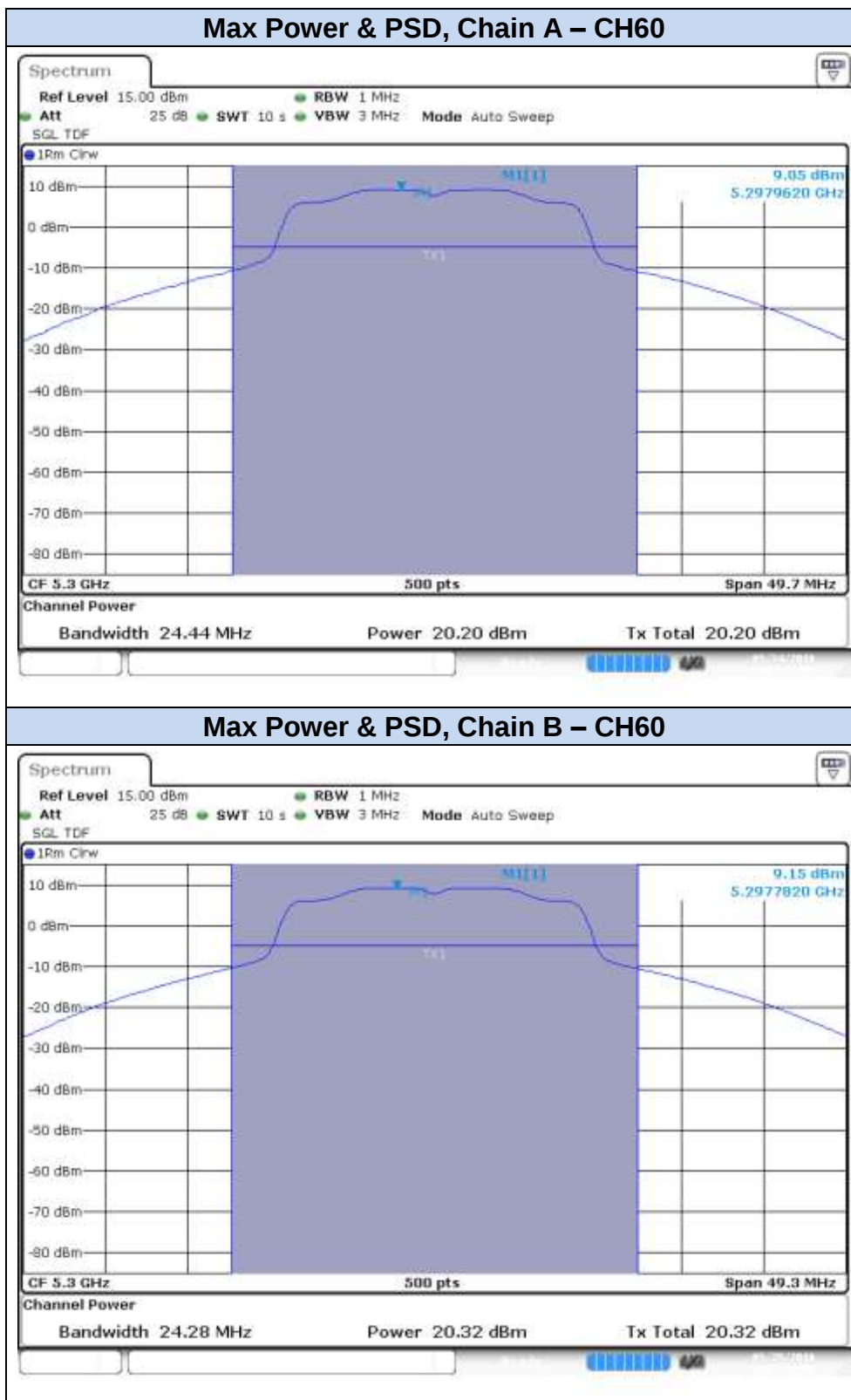
802.11n20, HT0 (SISO)

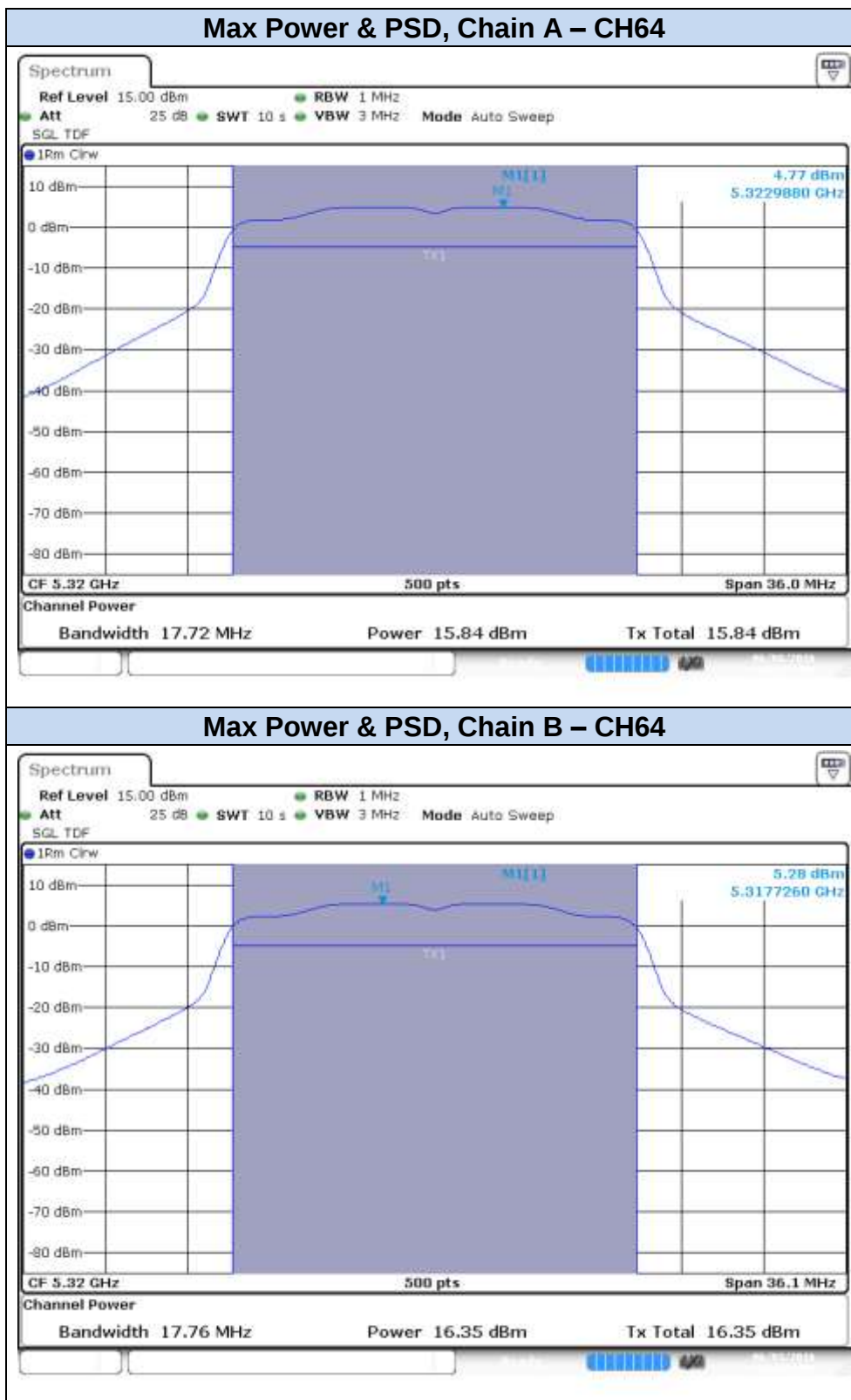
Max Power & PSD, Chain A – CH52



Max Power & PSD, Chain B – CH52

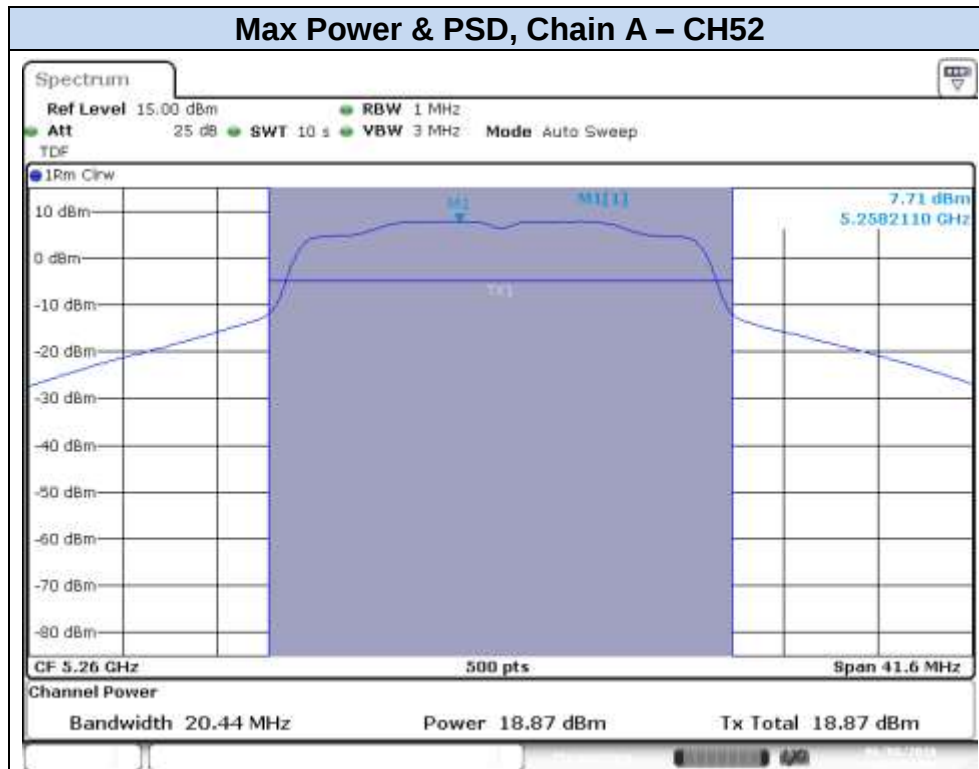




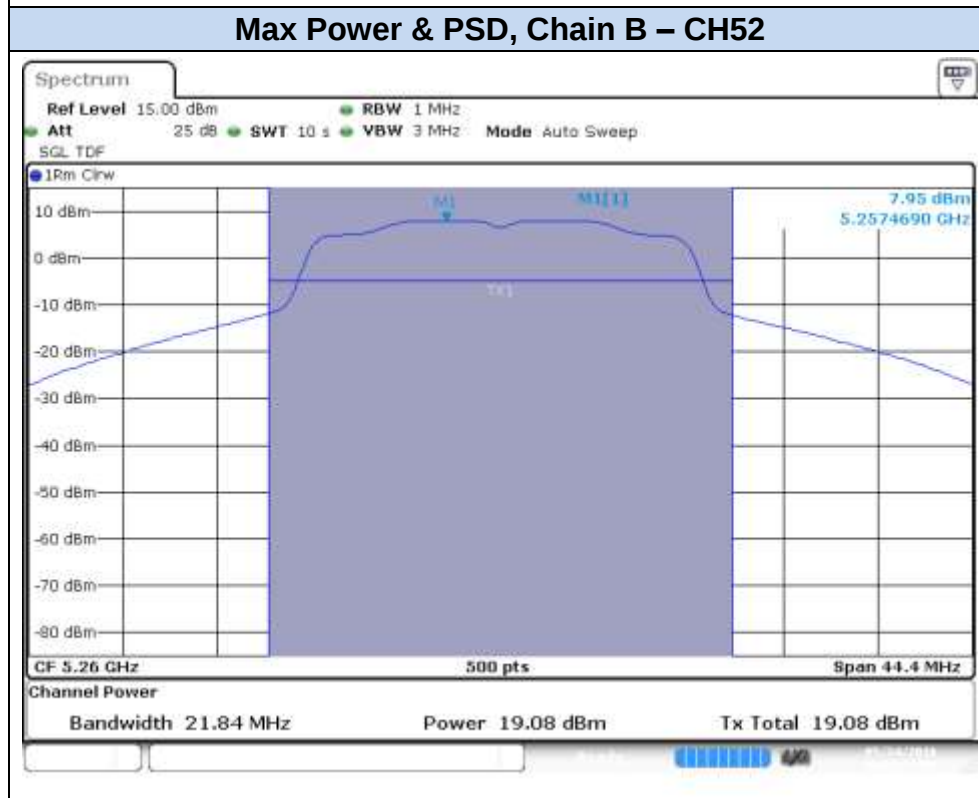


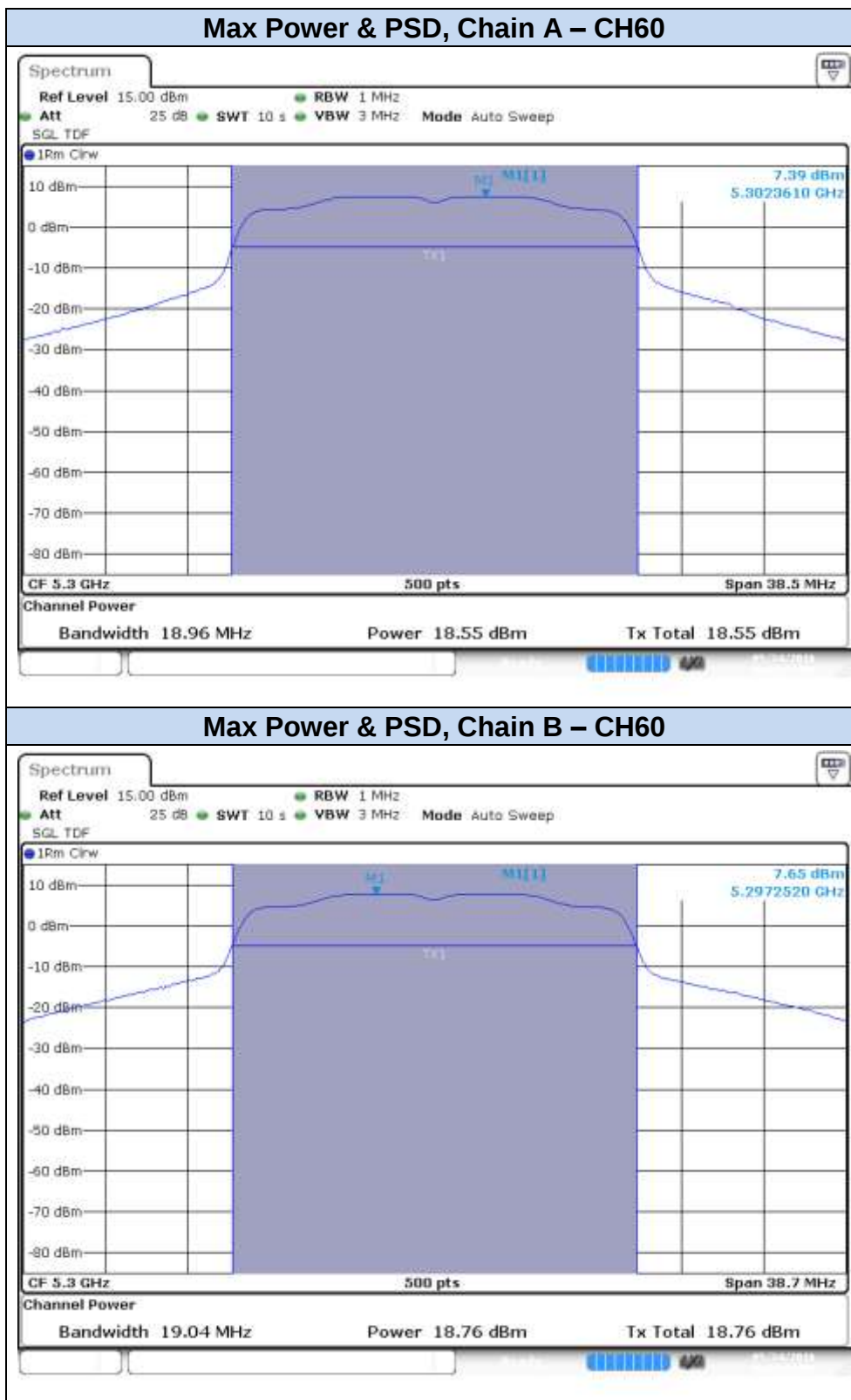
802.11n20, HT8 (MIMO)

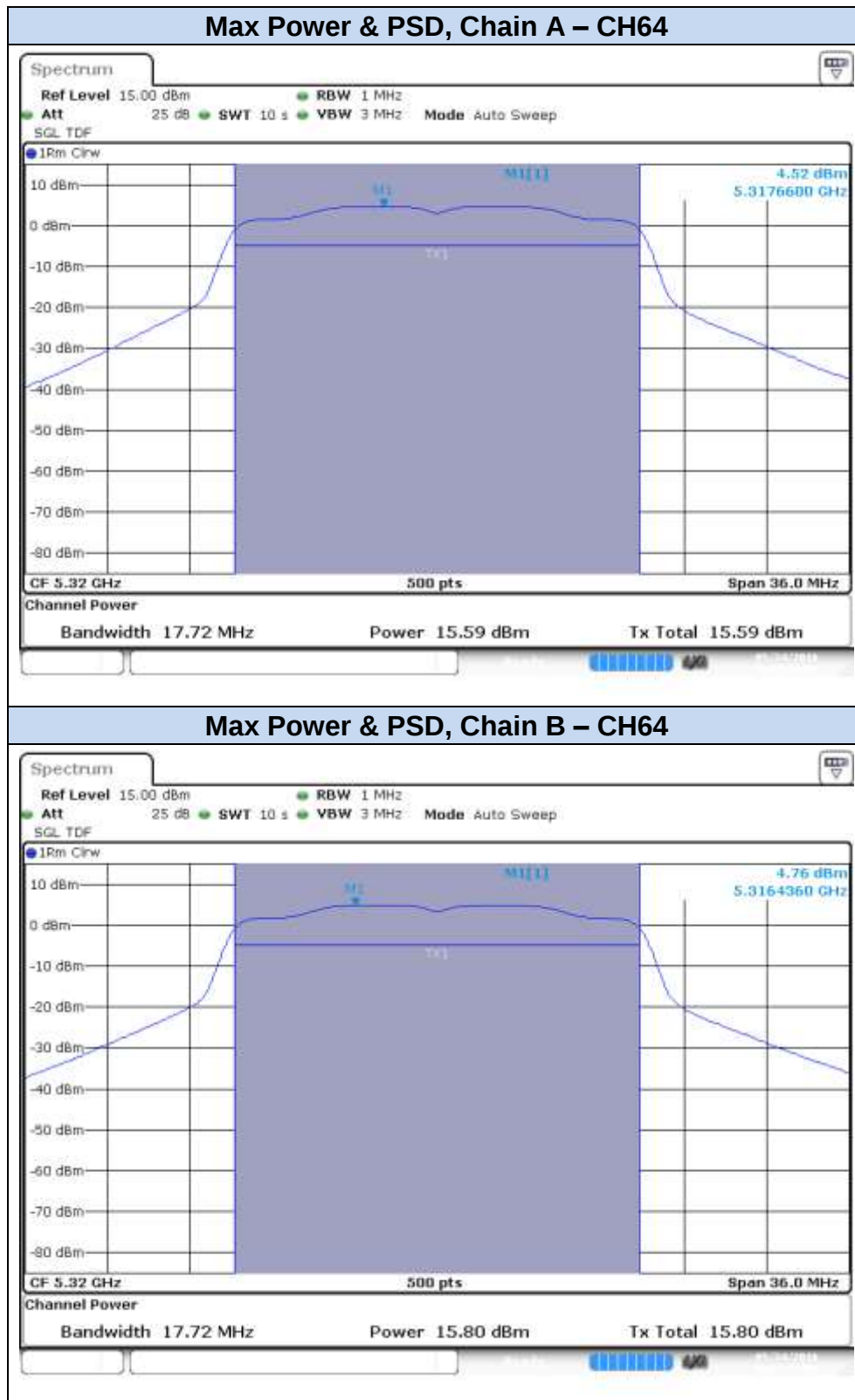
Max Power & PSD, Chain A – CH52

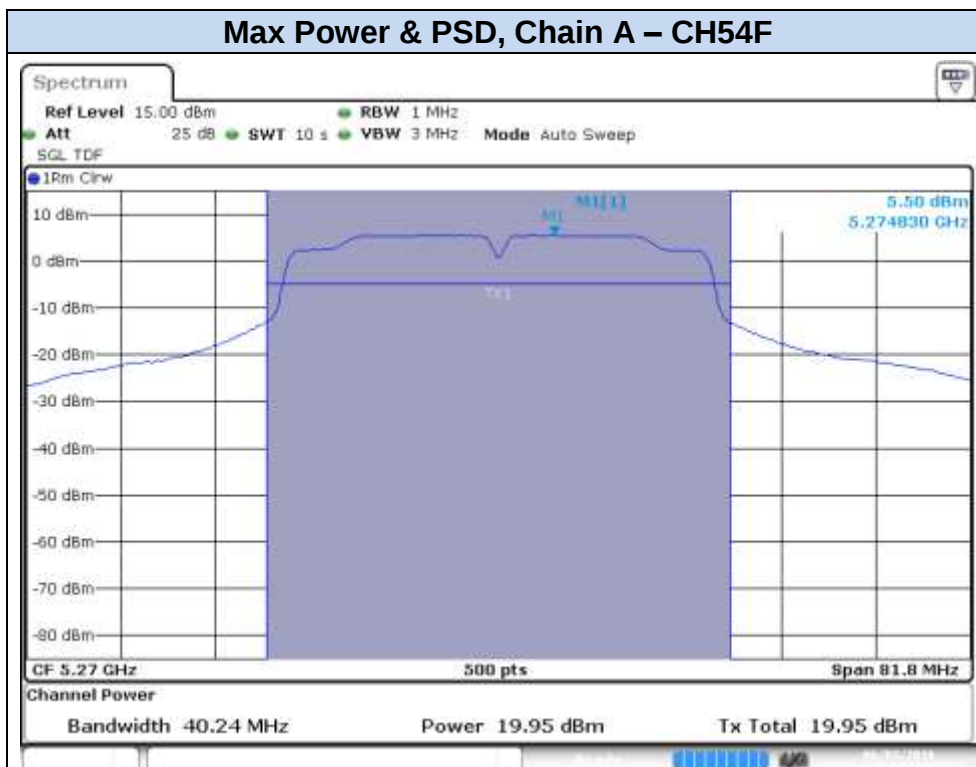
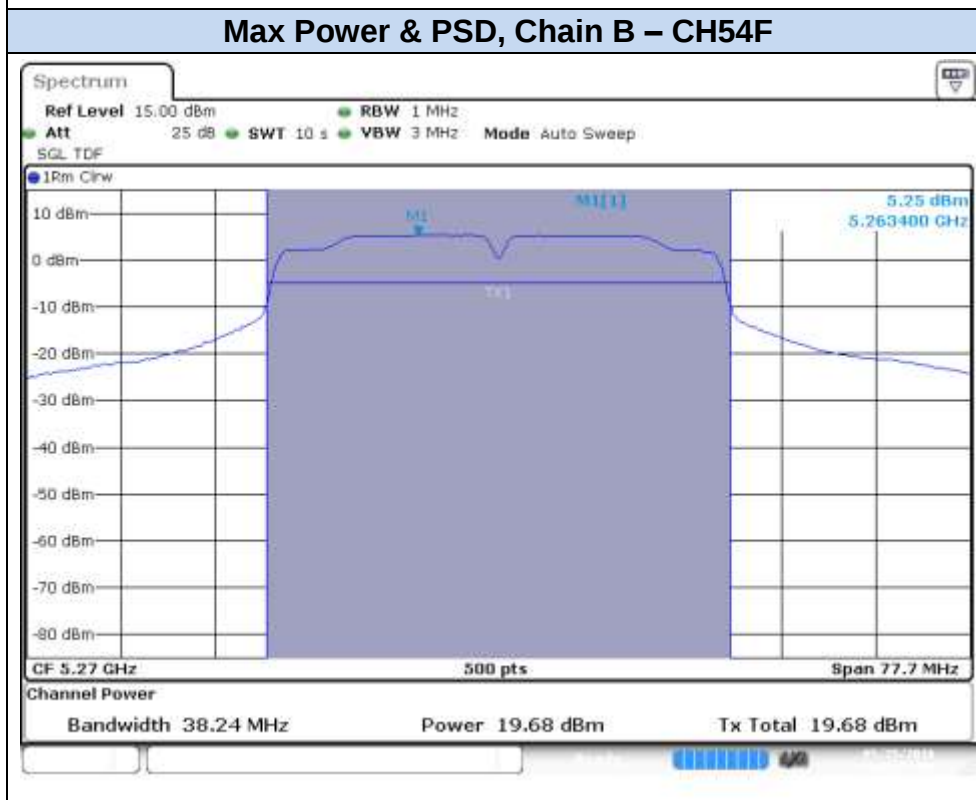


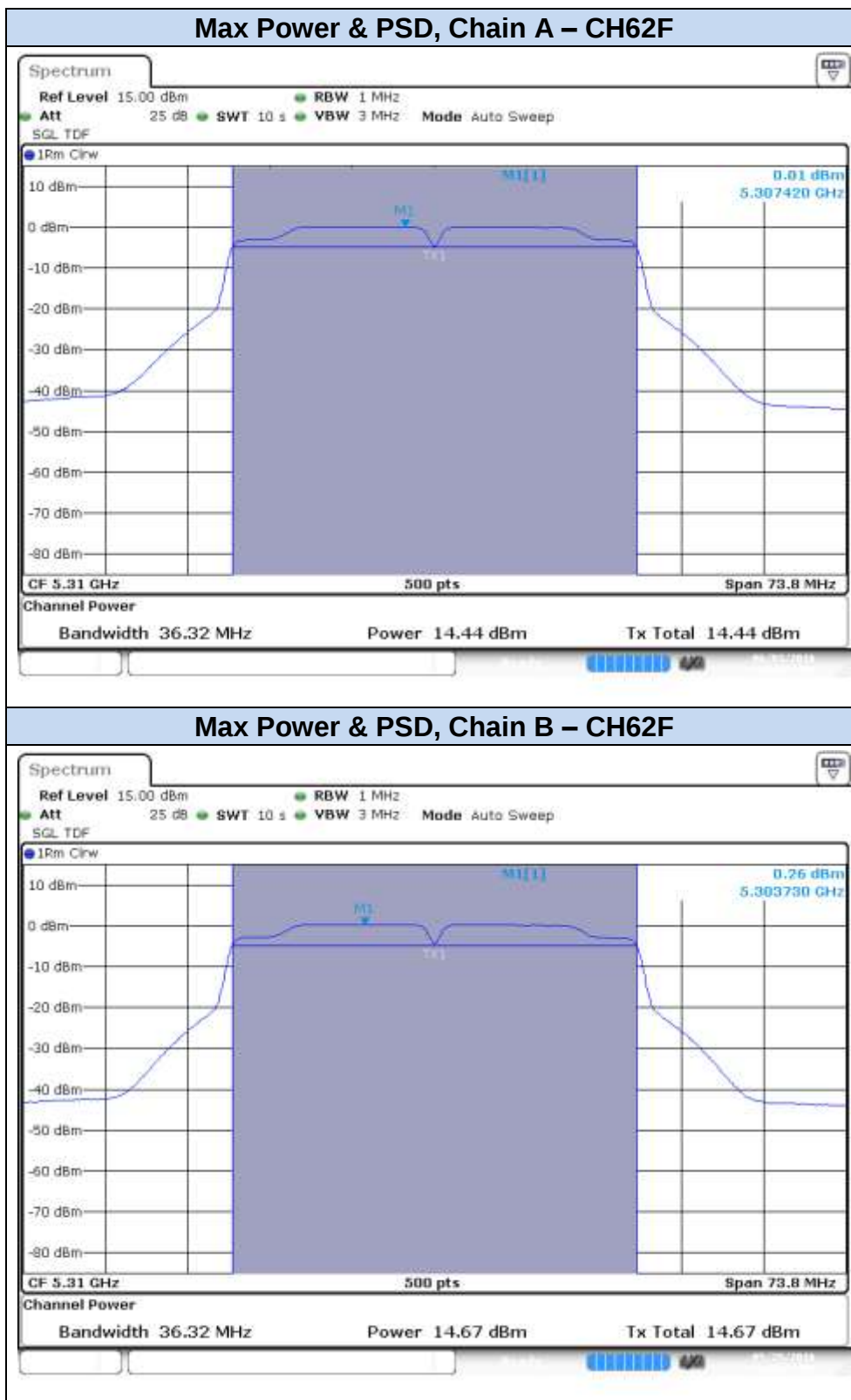
Max Power & PSD, Chain B – CH52

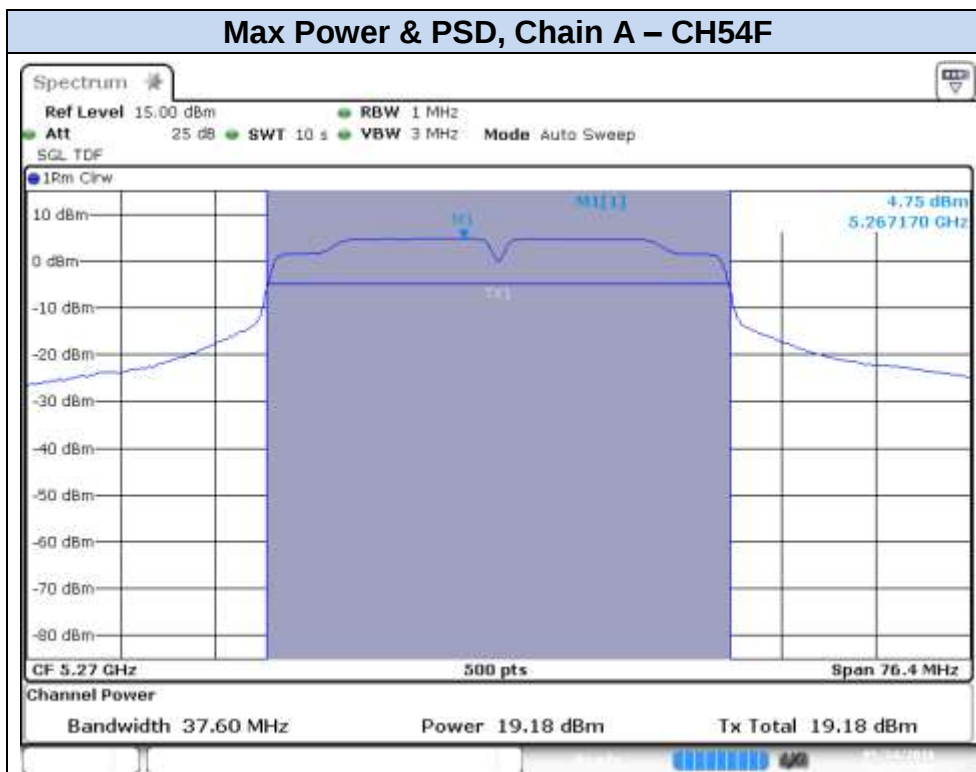
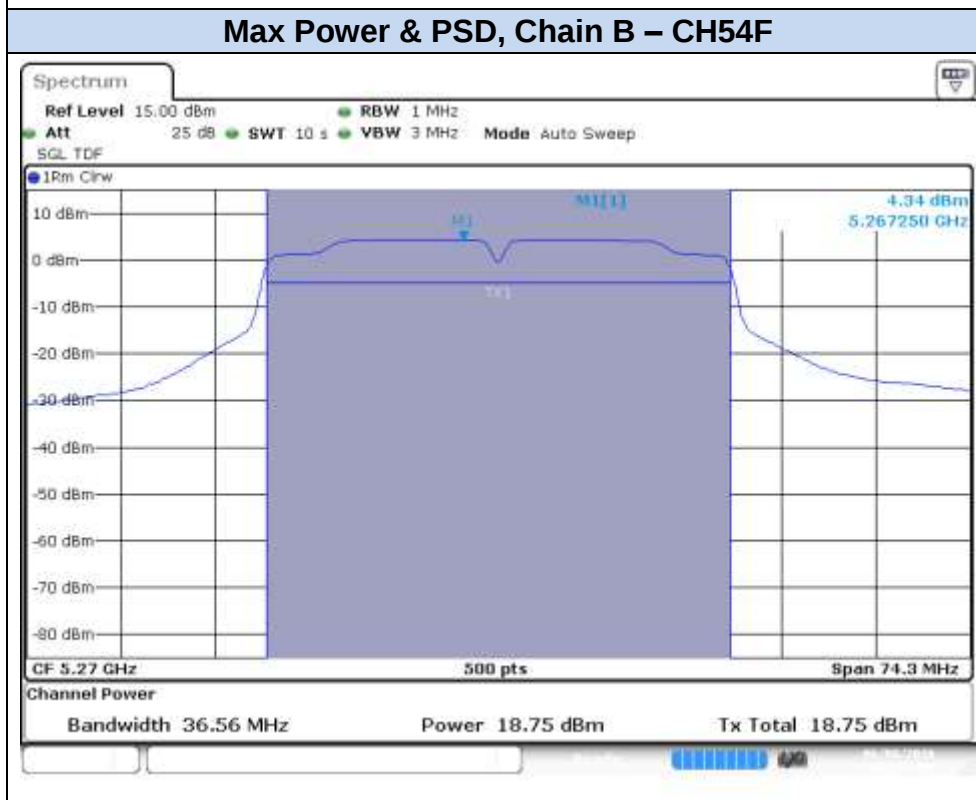






802.11n40, HT0 (SISO)**Max Power & PSD, Chain A – CH54F****Max Power & PSD, Chain B – CH54F**

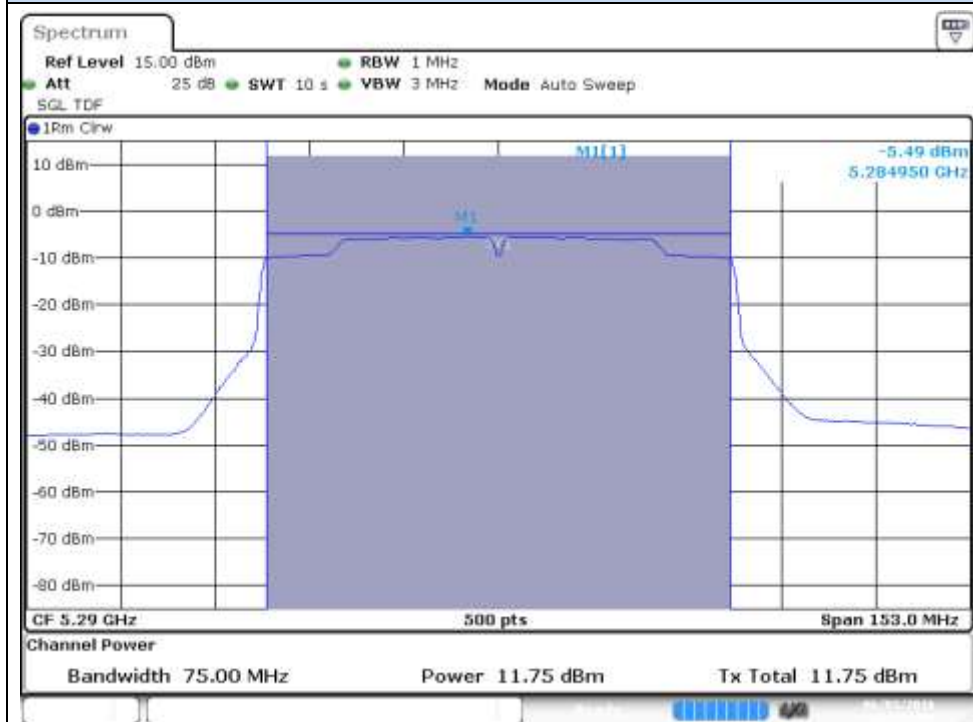


802.11n40, HT8 (MIMO)**Max Power & PSD, Chain A – CH54F****Max Power & PSD, Chain B – CH54F**

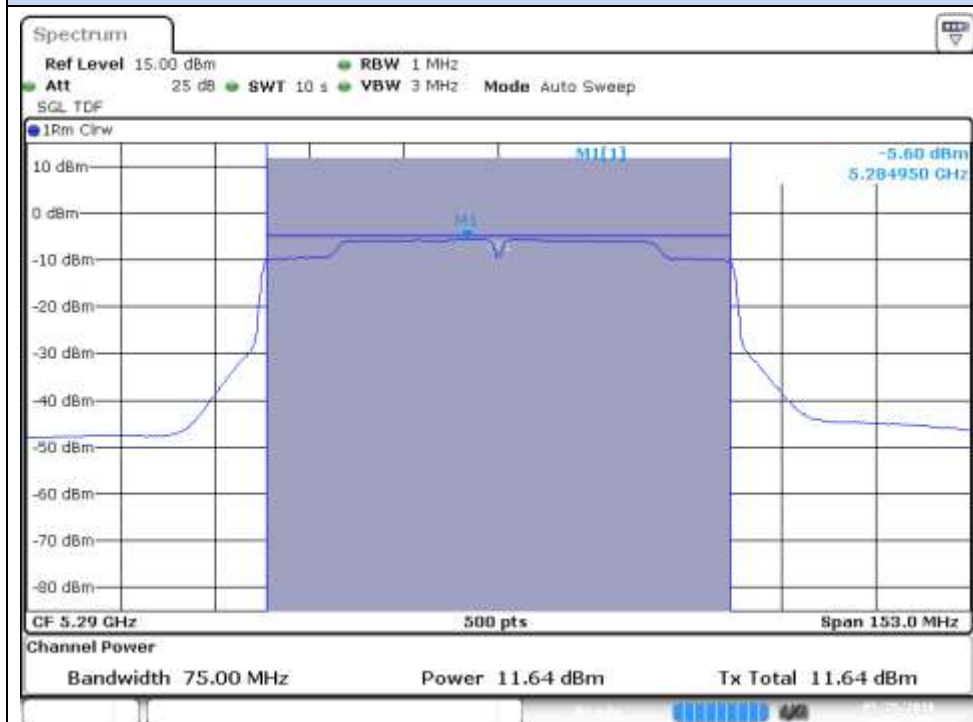


802.11ac80, VHT0 (SISO)

Max Power & PSD, Chain A – CH58ac80

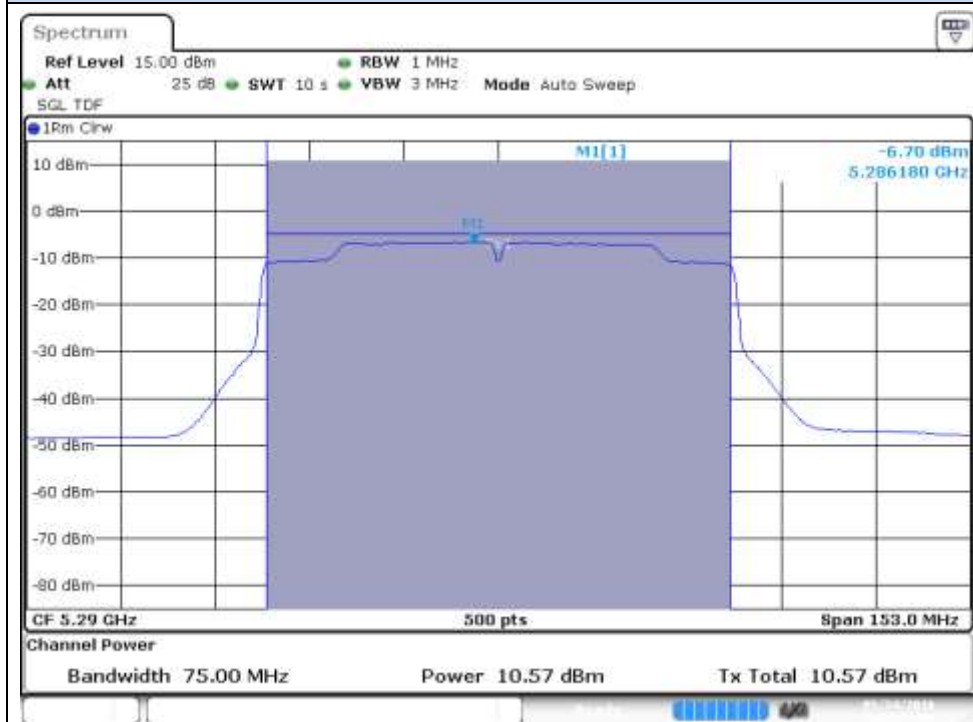


Max Power & PSD, Chain B – CH58ac80

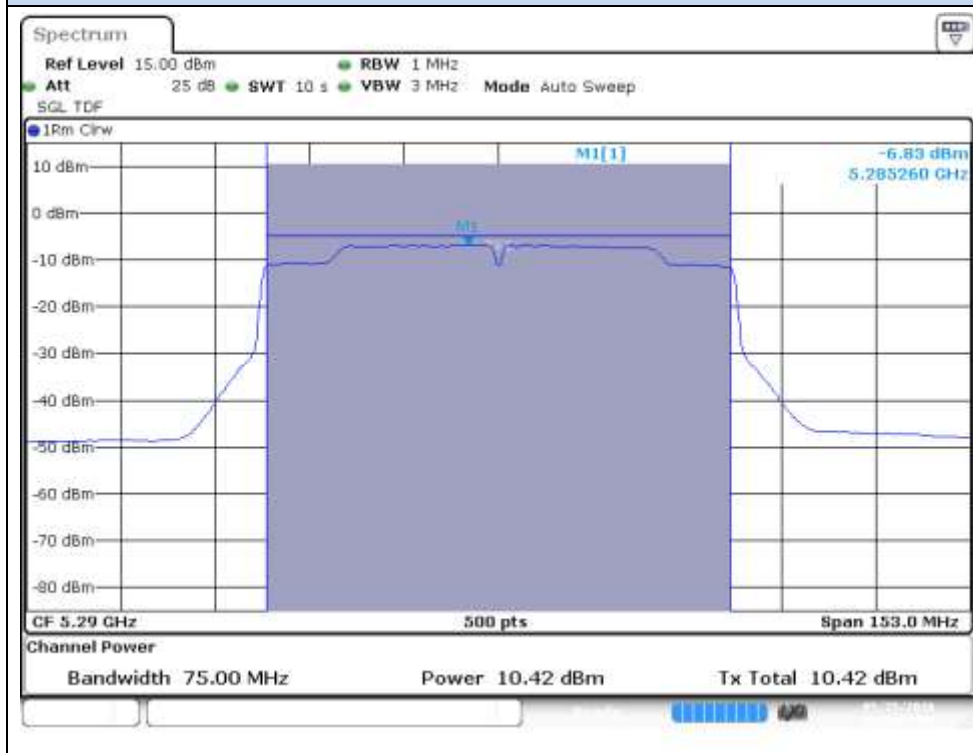


802.11ac80, VHT0 (MIMO)

Max Power & PSD, Chain A – CH58ac80



Max Power & PSD, Chain B – CH58ac80



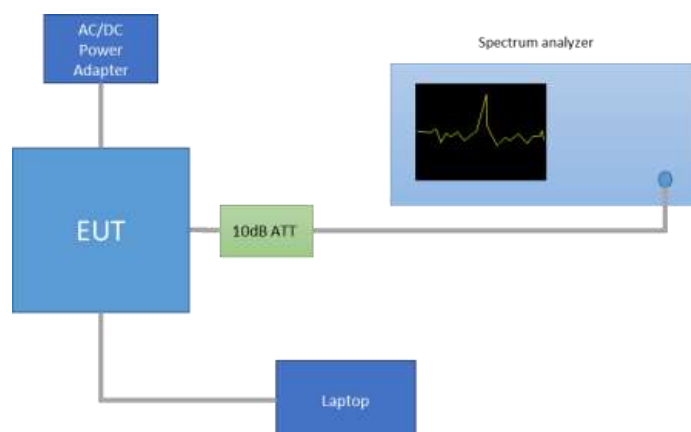
C.3 Undesirable emissions limits: Band Edge (conducted)

Test limits:

FCC part	Limits																																
15.407 (b) (2)	For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.																																
15.209	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 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.



The Band Edge High, was measured using the method according to point G) 3) d) (ii) (Integration Method) of KDB 789033 D02. This measurement performs a band-power integration across the 1MHz in which the band-edge emission level has to be measured

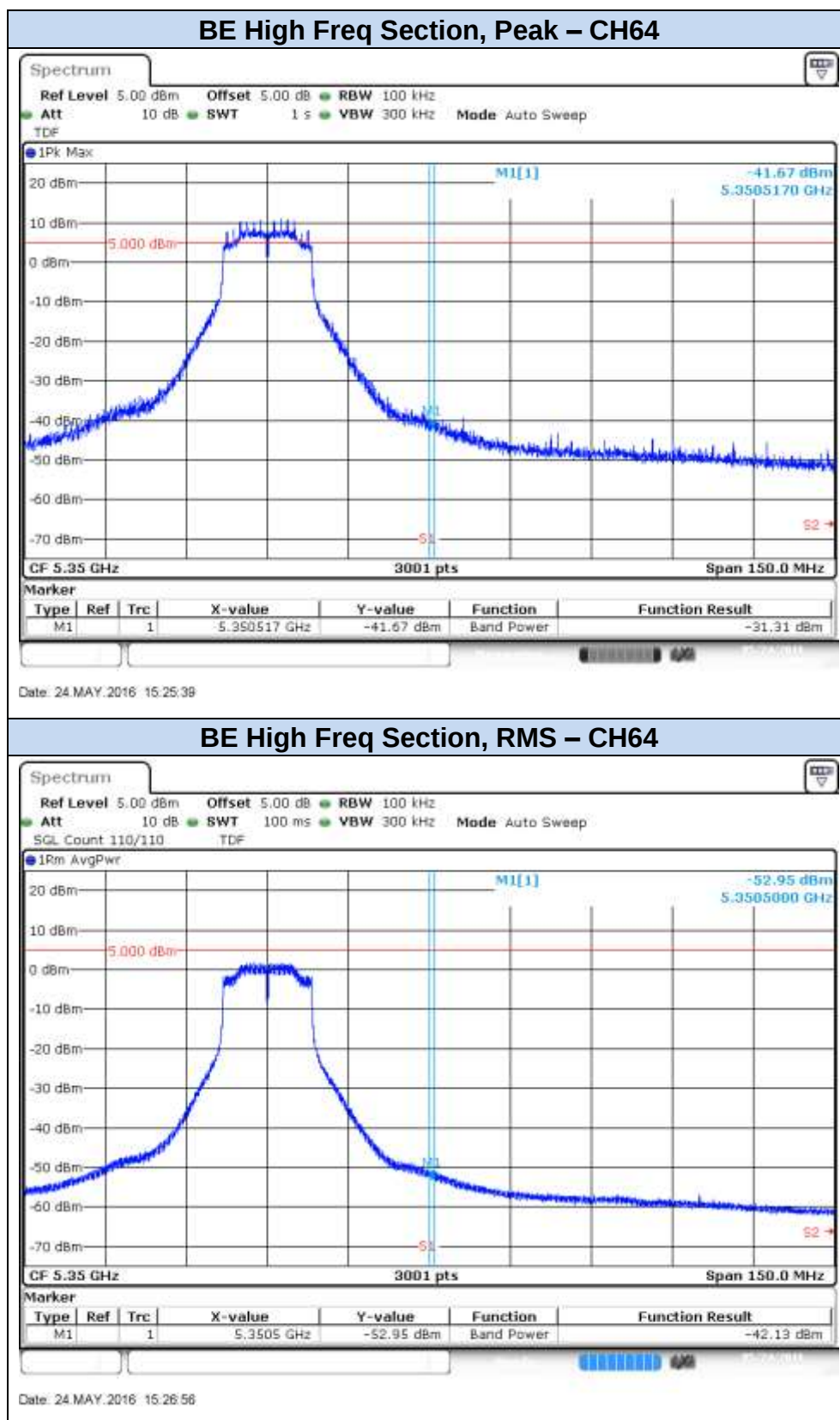
In case of Band Edge measurements falling in restricted bands, the declared Antenna Gain is also compensated in the graph. The declared maximum antenna gain is 5dBi.

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

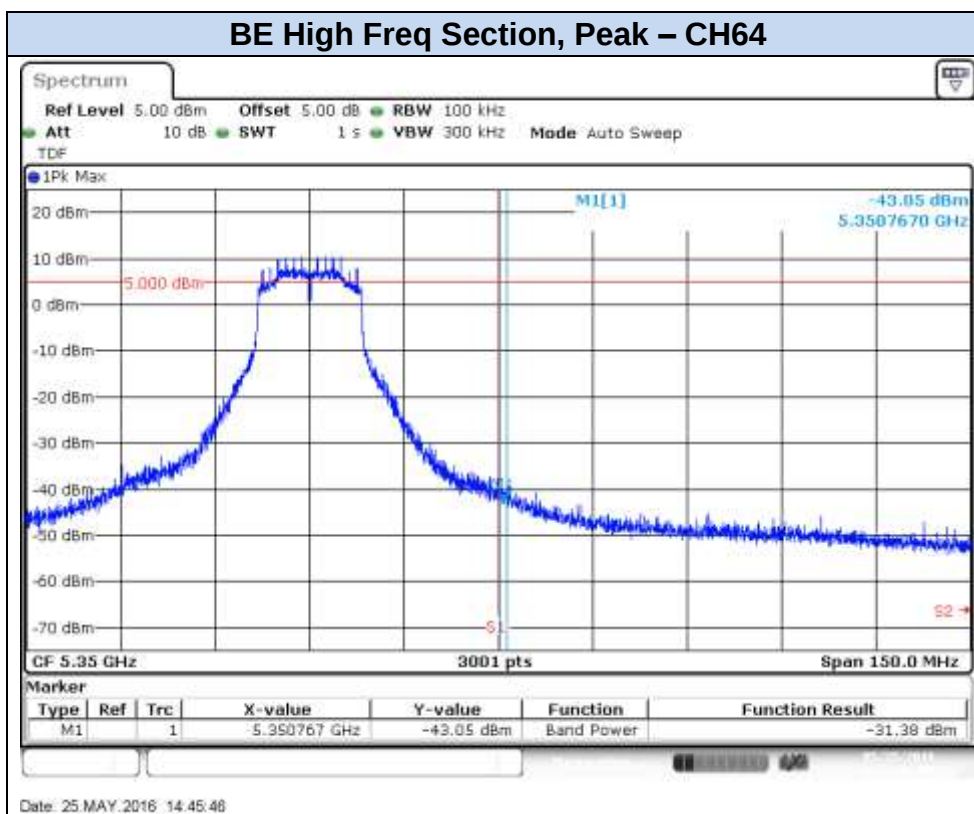
Results Screenshot:

802.11a, 6Mbps – Chain A

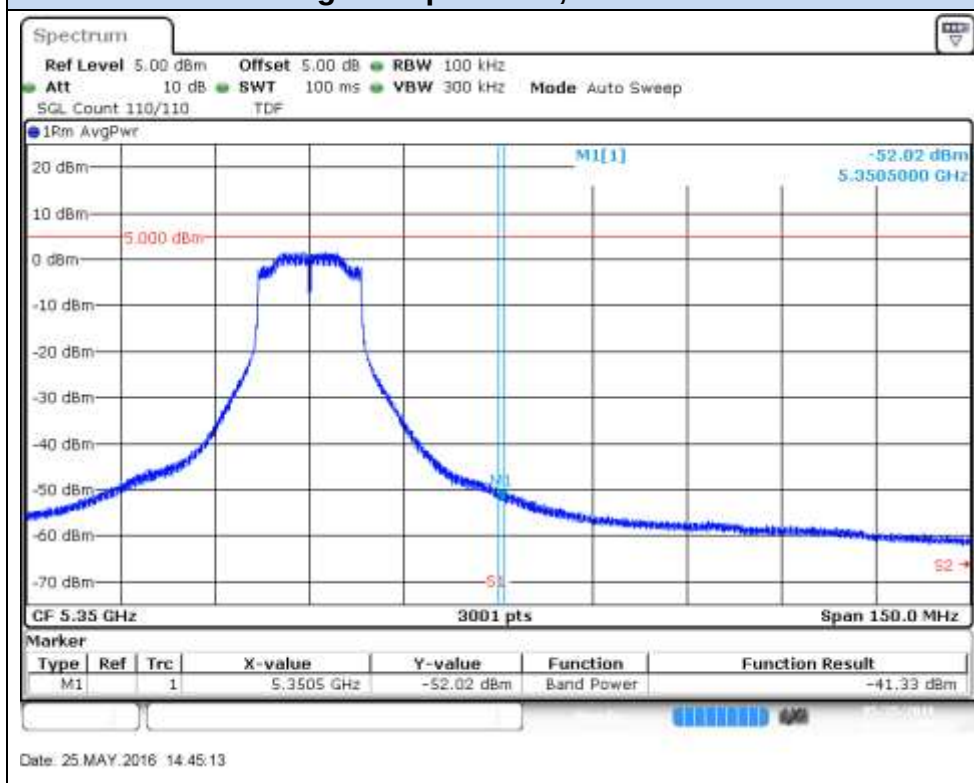


802.11a, 6Mbps – Chain B

BE High Freq Section, Peak – CH64

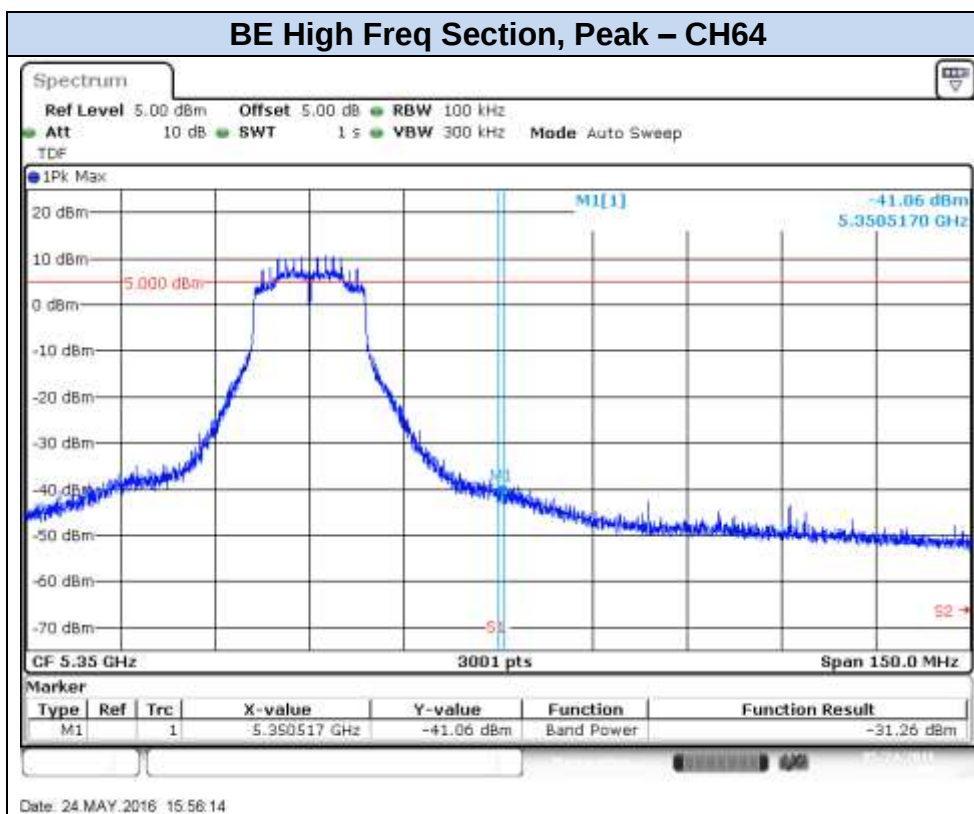


BE High Freq Section, RMS – CH64

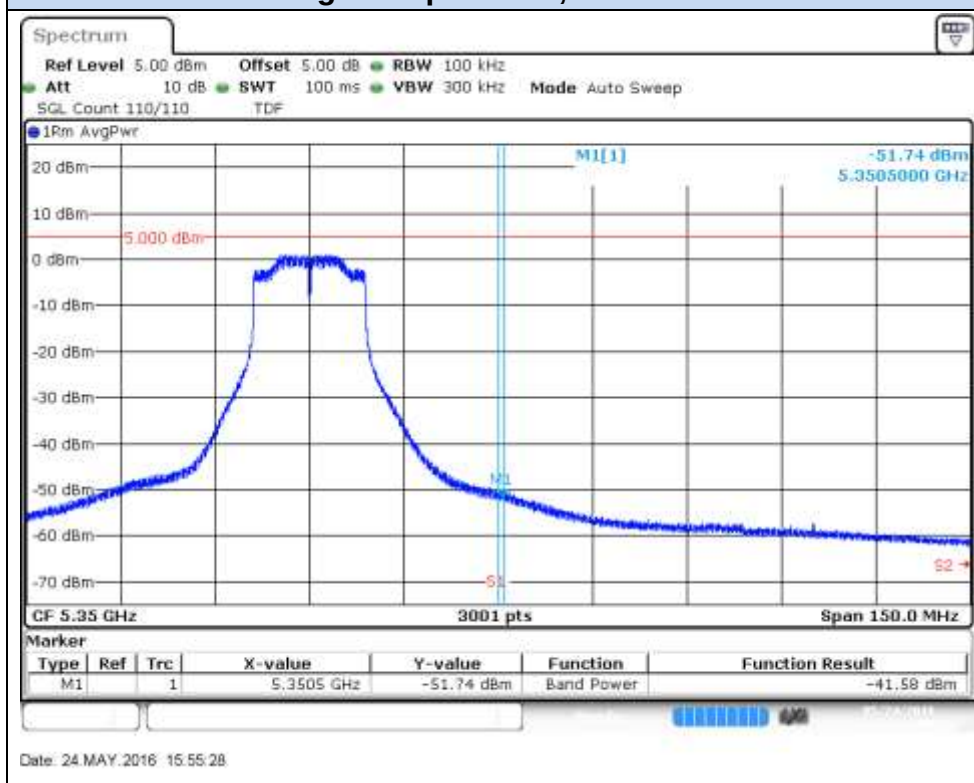


802.11n20, HT0 (SISO) – Chain A

BE High Freq Section, Peak – CH64

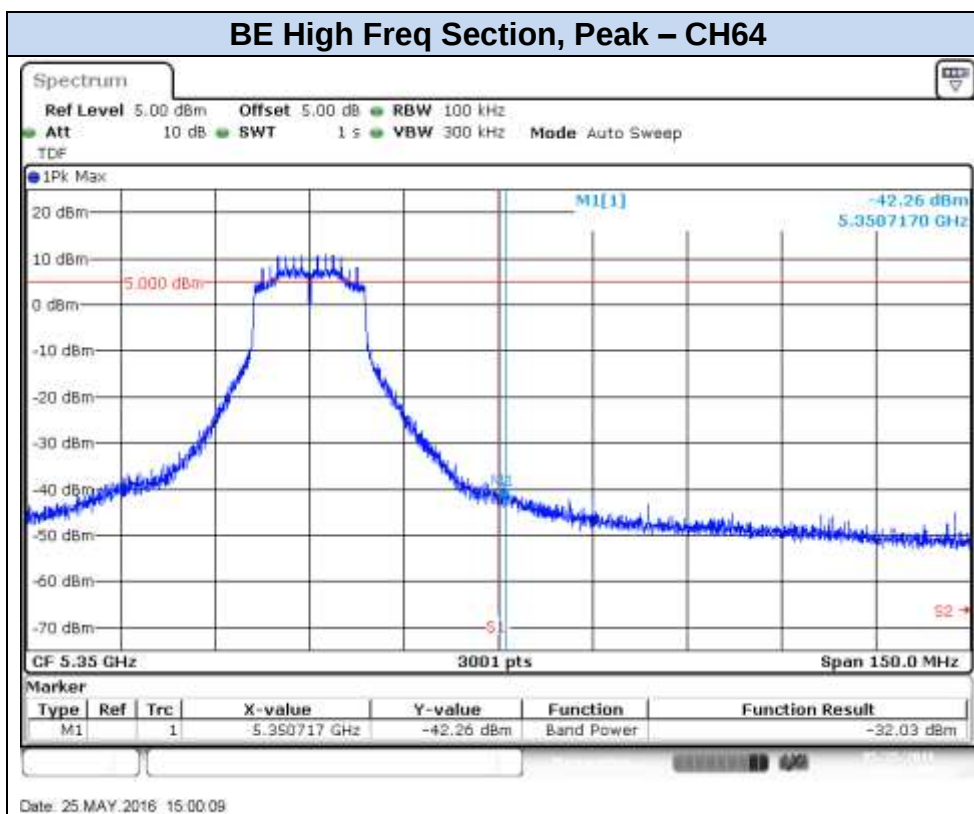


BE High Freq Section, RMS – CH64

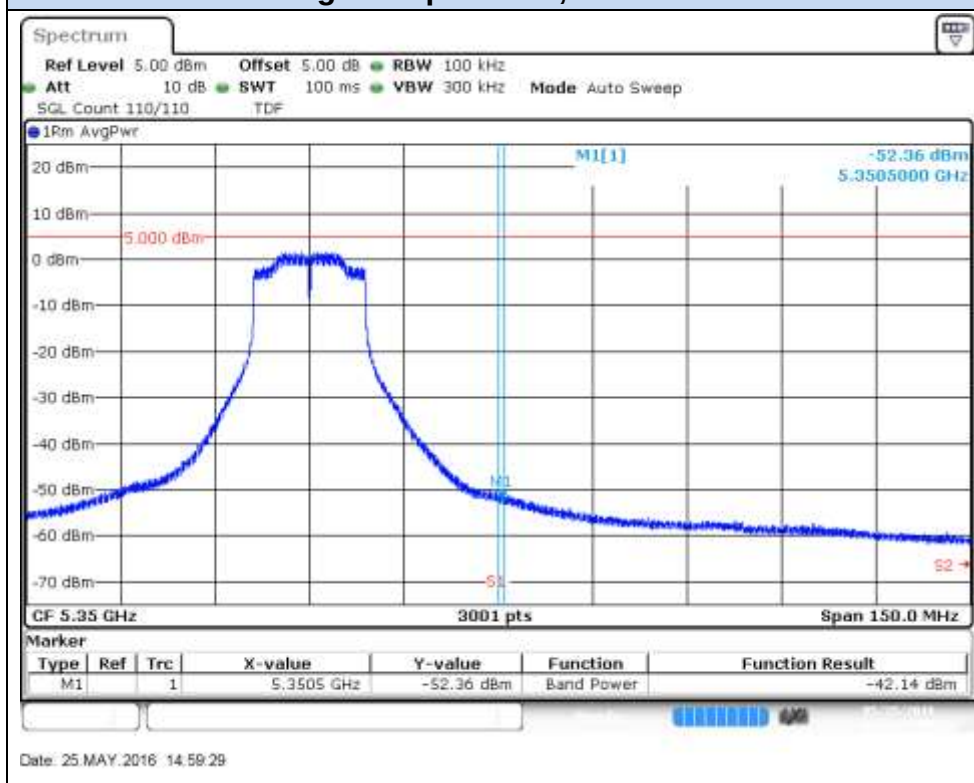


802.11n20, HT0 (SISO) – Chain B

BE High Freq Section, Peak – CH64

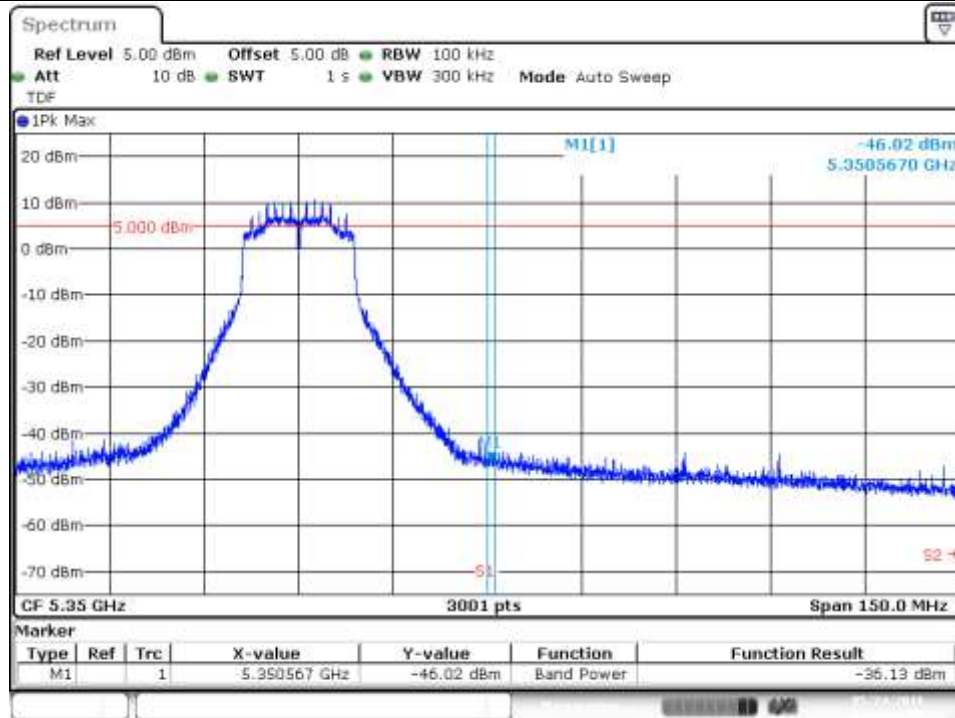


BE High Freq Section, RMS – CH64



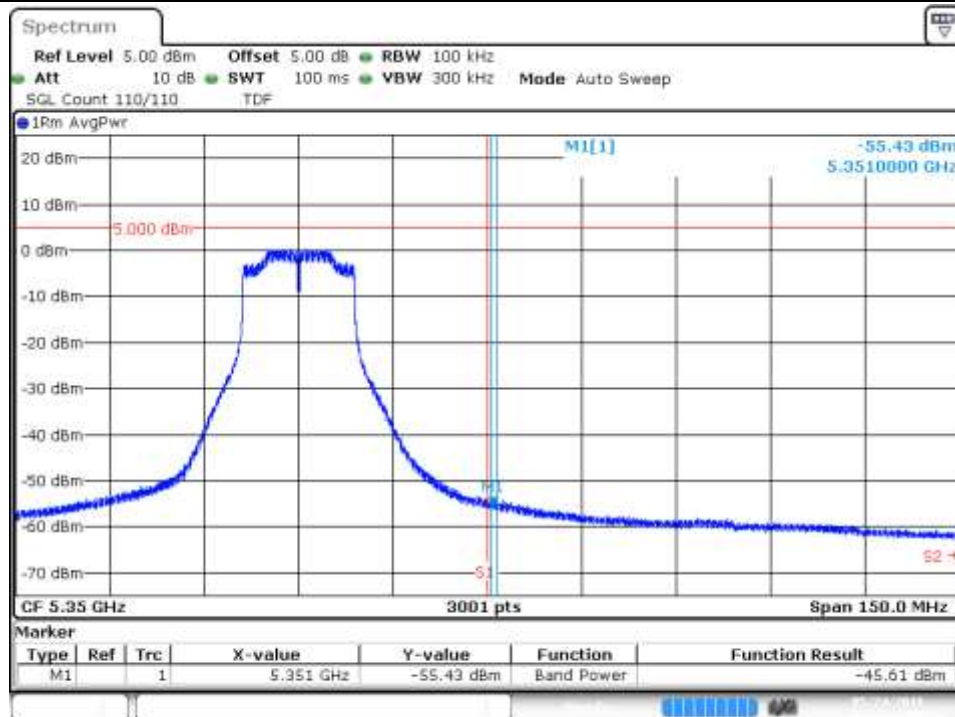
802.11n20, HT8 (MIMO) – Chain A

BE High Freq Section, Peak – CH64



Date: 24 MAY.2016 17:24:54

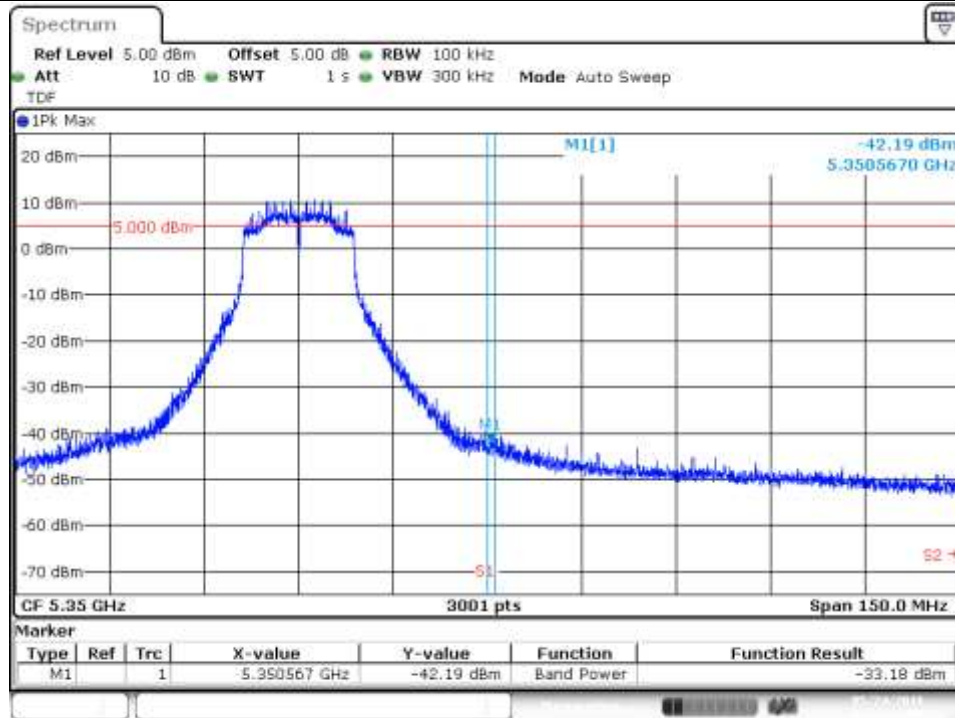
BE High Freq Section, RMS – CH64



Date: 24 MAY.2016 18:29:34

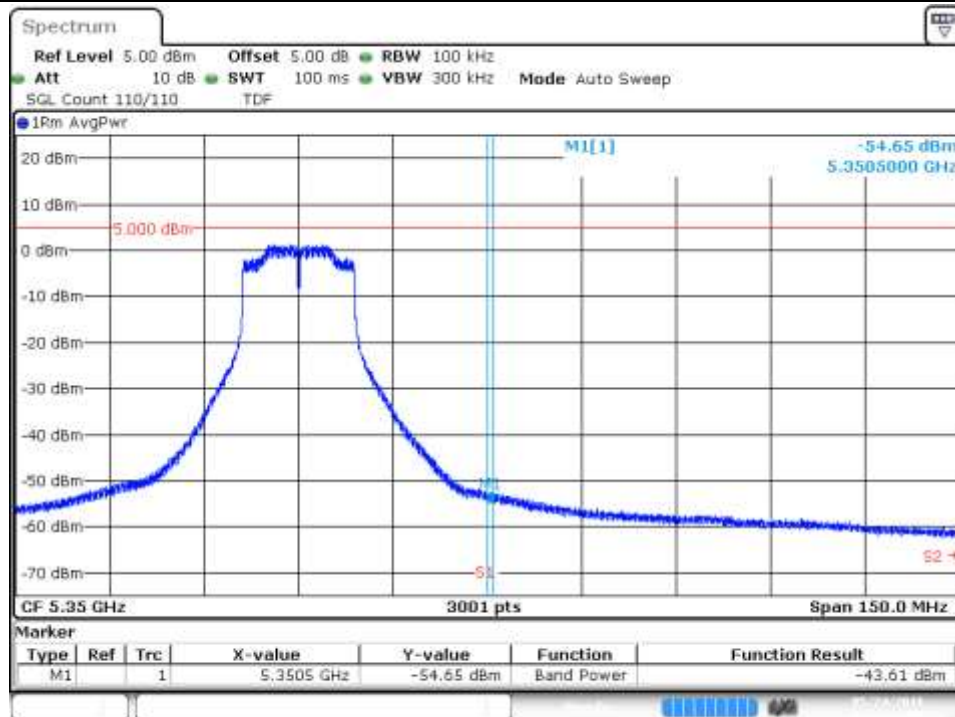
802.11n20, HT8 (MIMO) – Chain B

BE High Freq Section, Peak – CH64

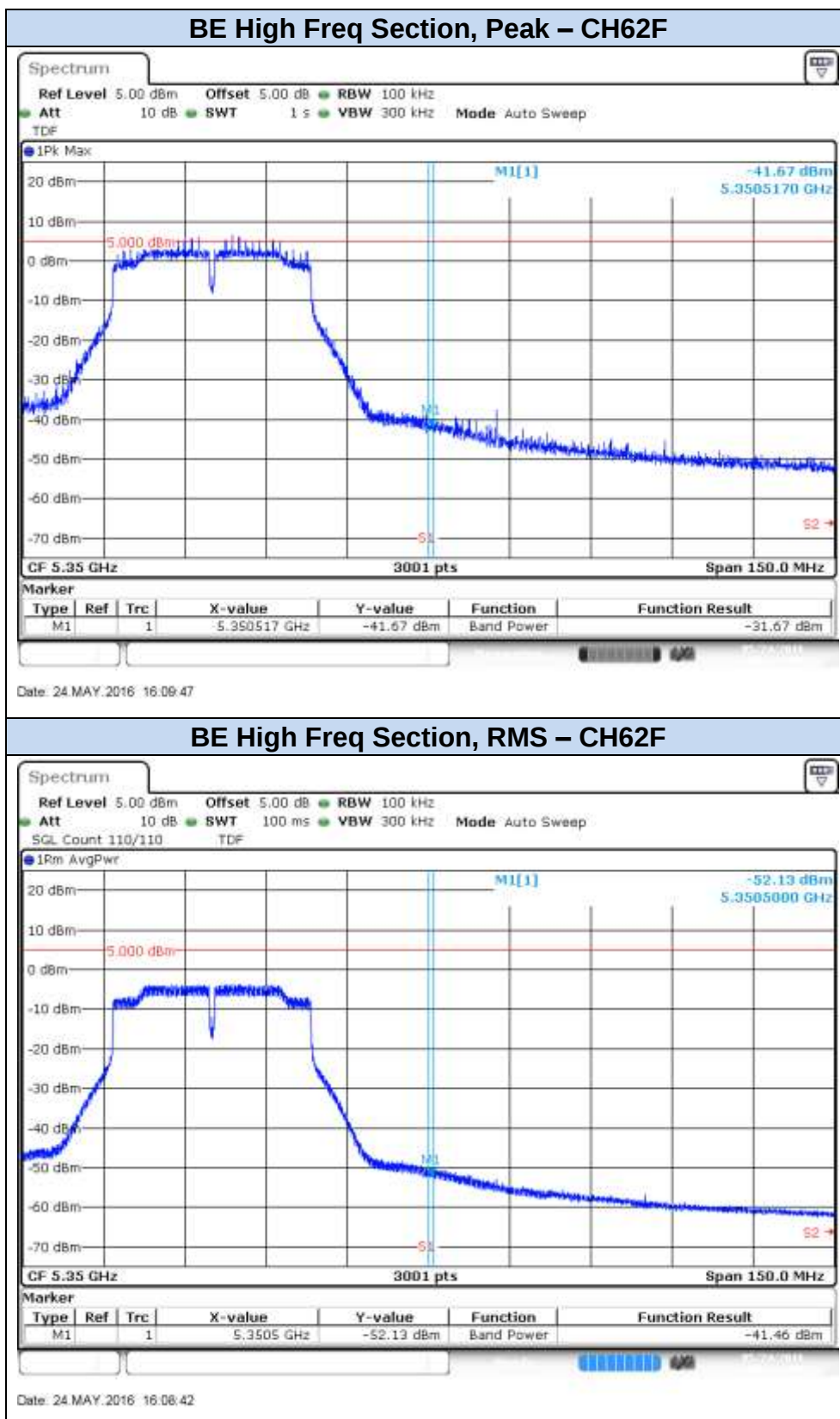


Date: 24 MAY.2016 18:28:10

BE High Freq Section, RMS – CH64

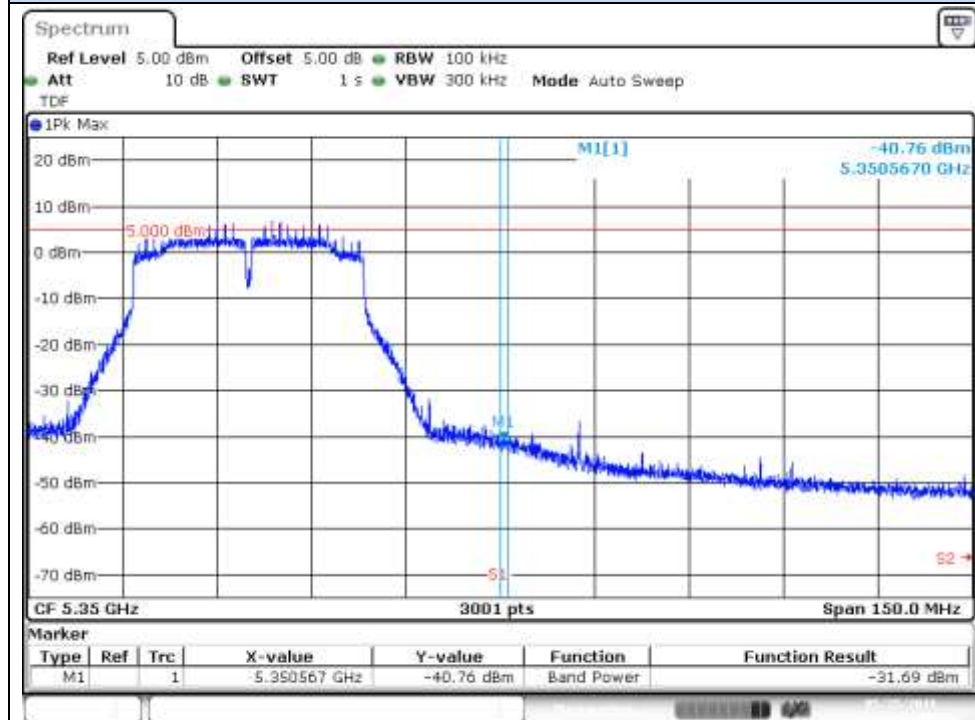


Date: 24 MAY.2016 18:25:11

802.11n40, HT0 (SISO) – Chain A

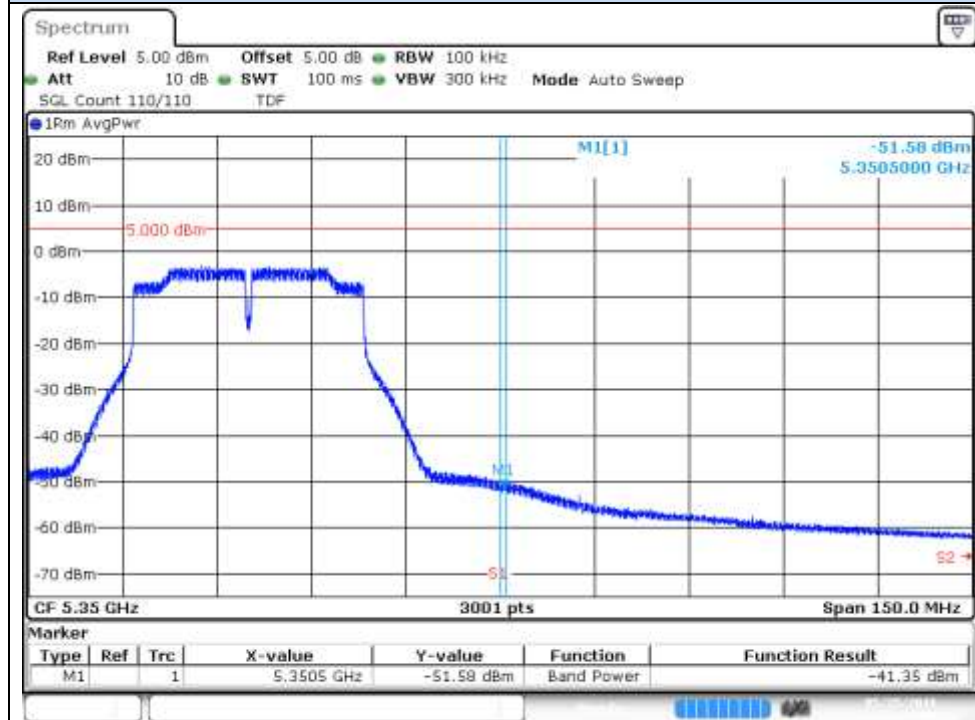
802.11n40, HT0 (SISO) – Chain B

BE High Freq Section, Peak – CH62F



Date: 25.MAY.2016 15:12:08

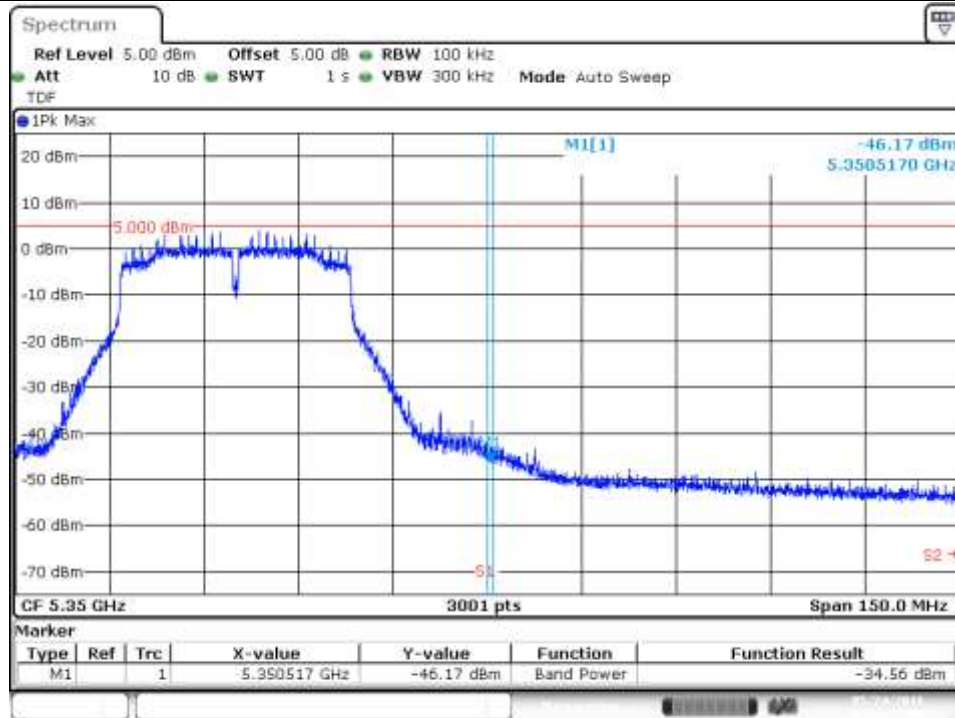
BE High Freq Section, RMS – CH62F



Date: 25.MAY.2016 15:11:17

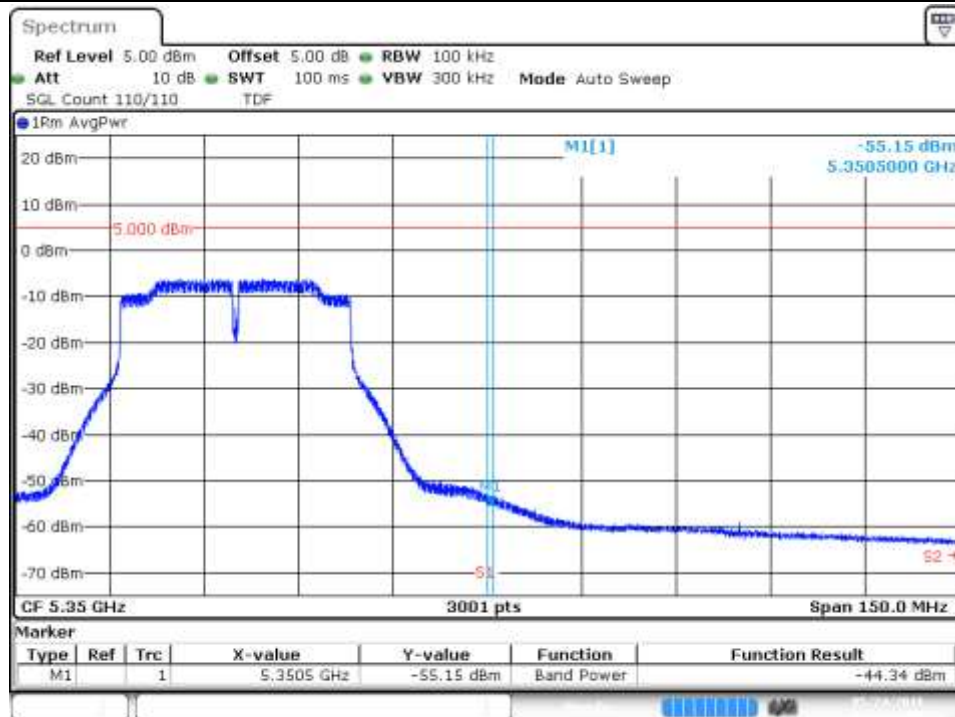
802.11n40, HT8 (MIMO) – Chain A

BE High Freq Section, Peak – CH62F



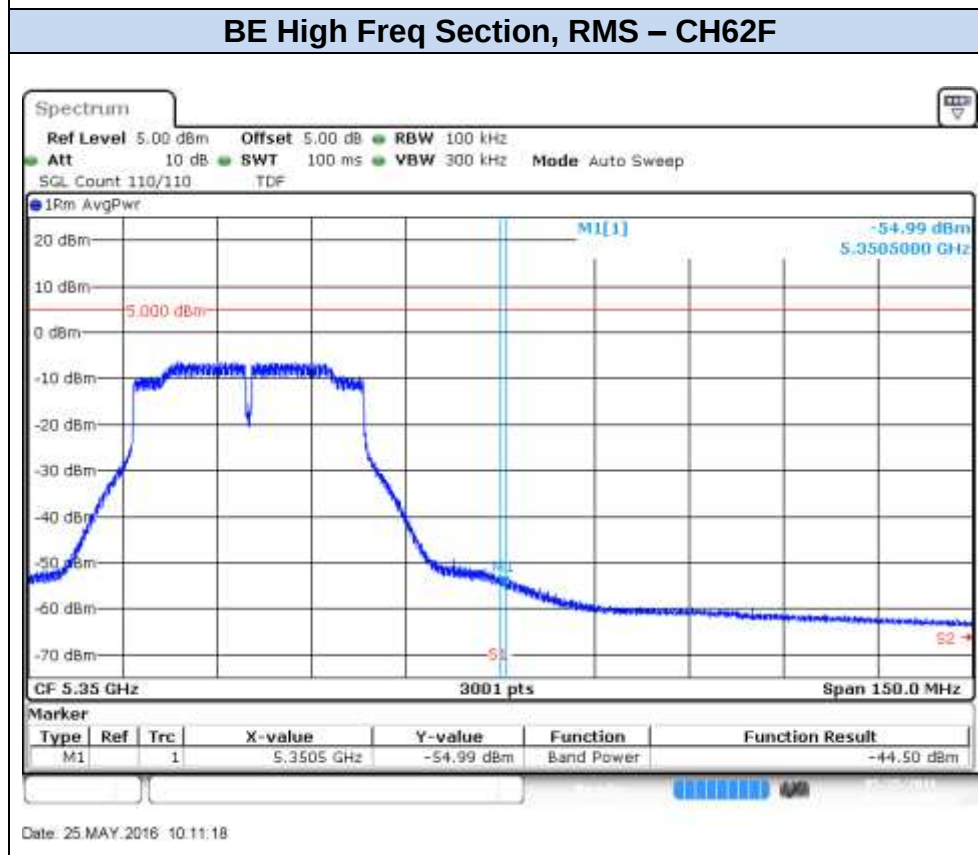
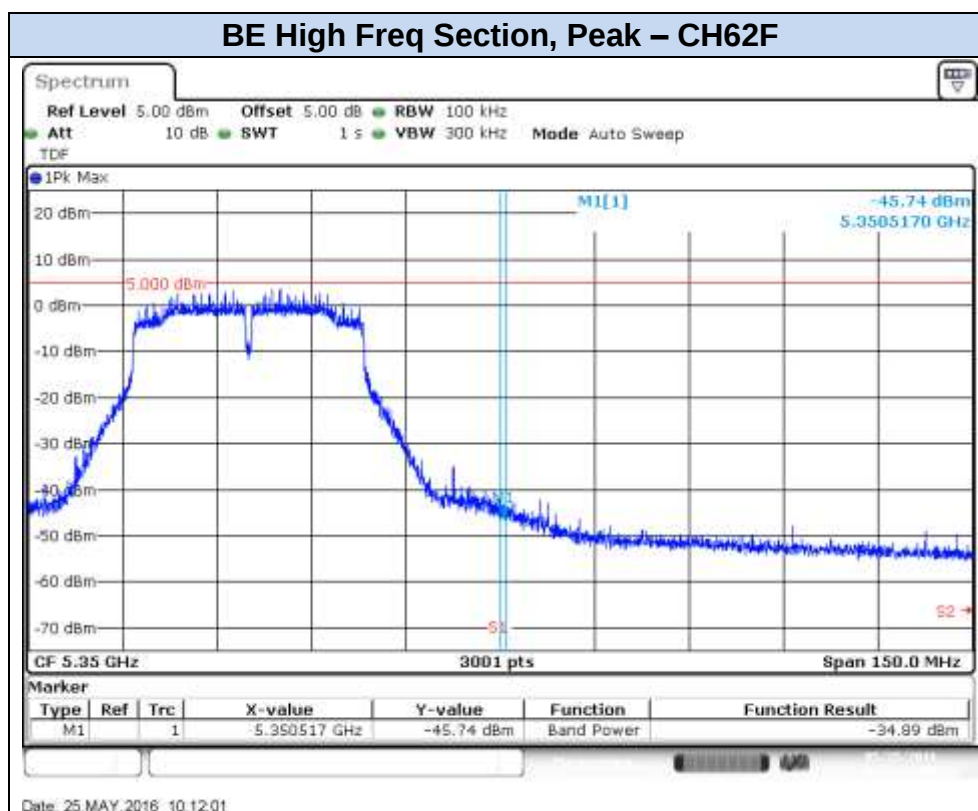
Date: 24 MAY.2016 17:49:25

BE 00High Freq Section, RMS – CH62F



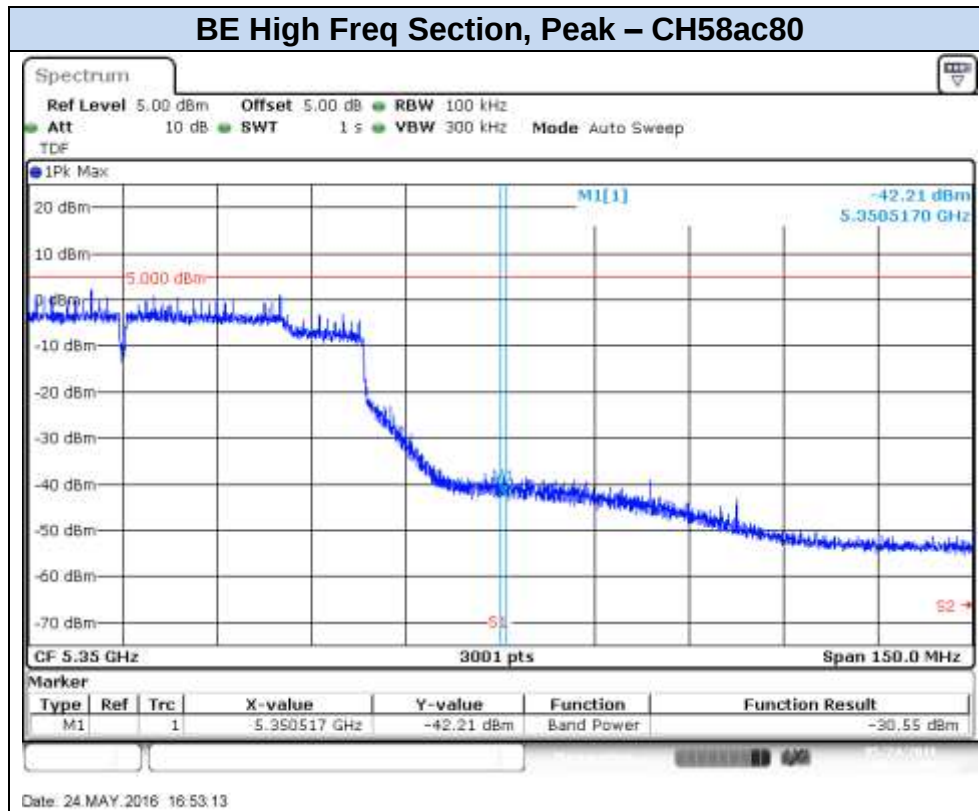
Date: 24 MAY.2016 17:48:49

802.11n40, HT8 (MIMO) – Chain B

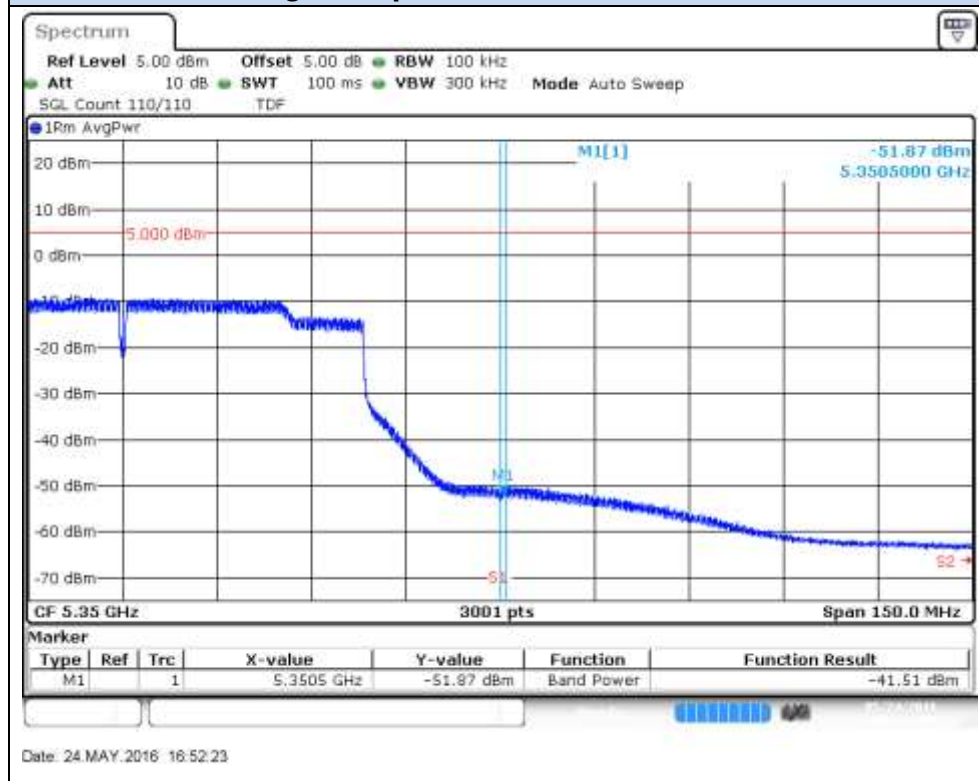


802.11ac80, VHT0 (SISO)- Chain A

BE High Freq Section, Peak – CH58ac80

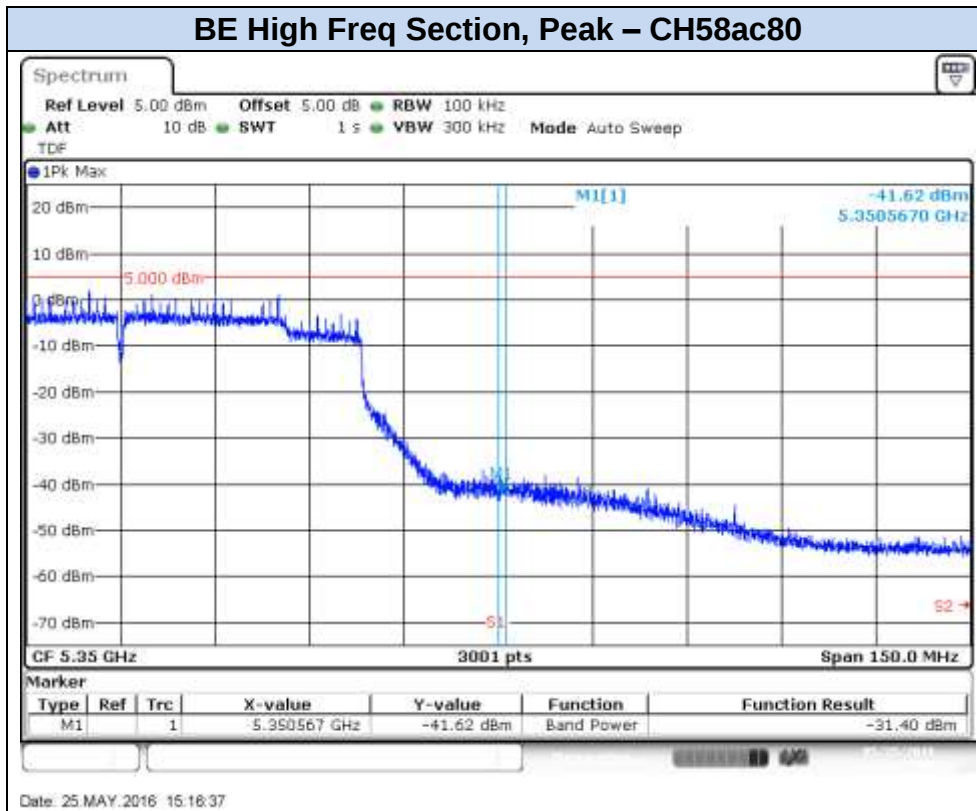


BE High Freq Section, RMS – CH58ac80

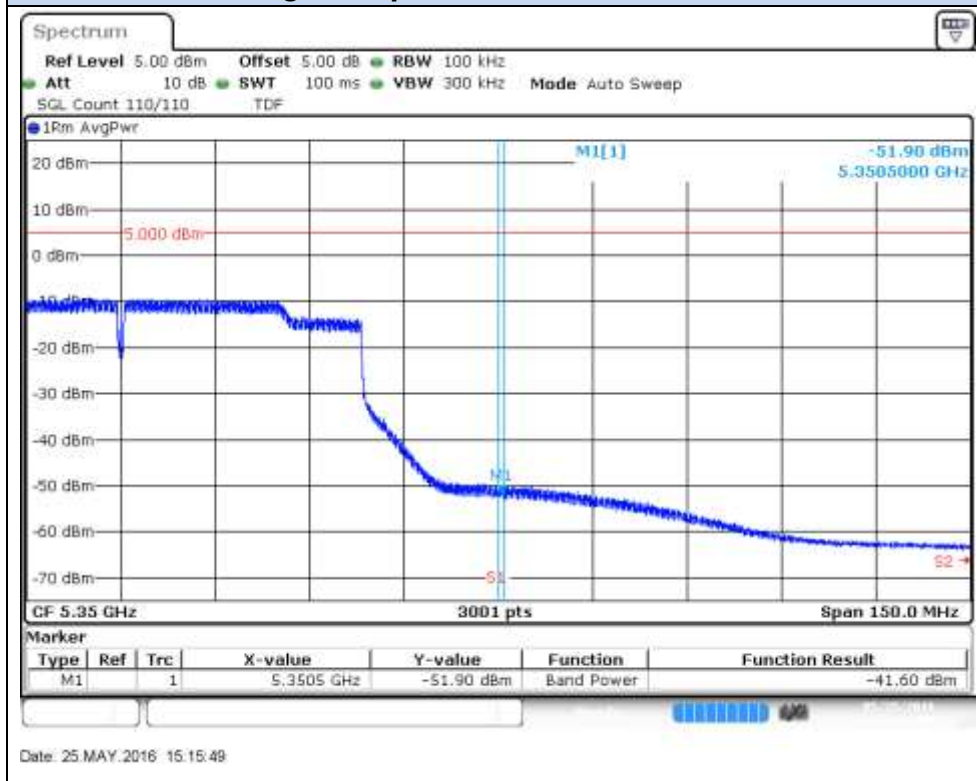


802.11ac80, VHT0 (SISO)- Chain B

BE High Freq Section, Peak – CH58ac80

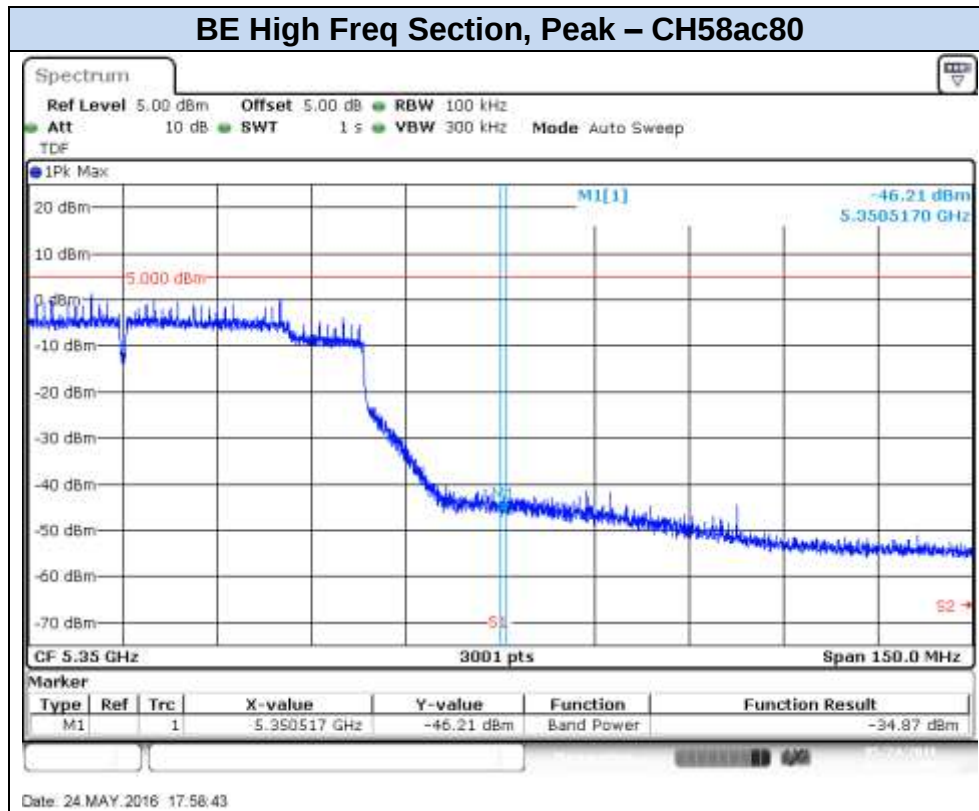


BE High Freq Section, RMS – CH58ac80

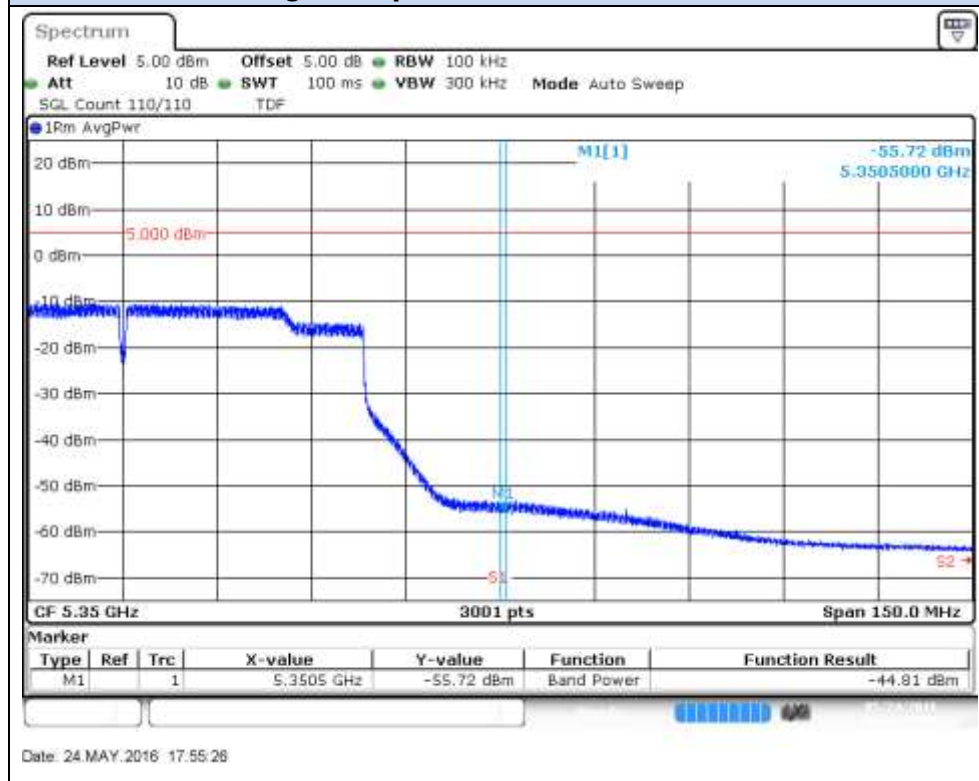


802.11ac80, VHT0 (MIMO)- Chain A

BE High Freq Section, Peak – CH58ac80

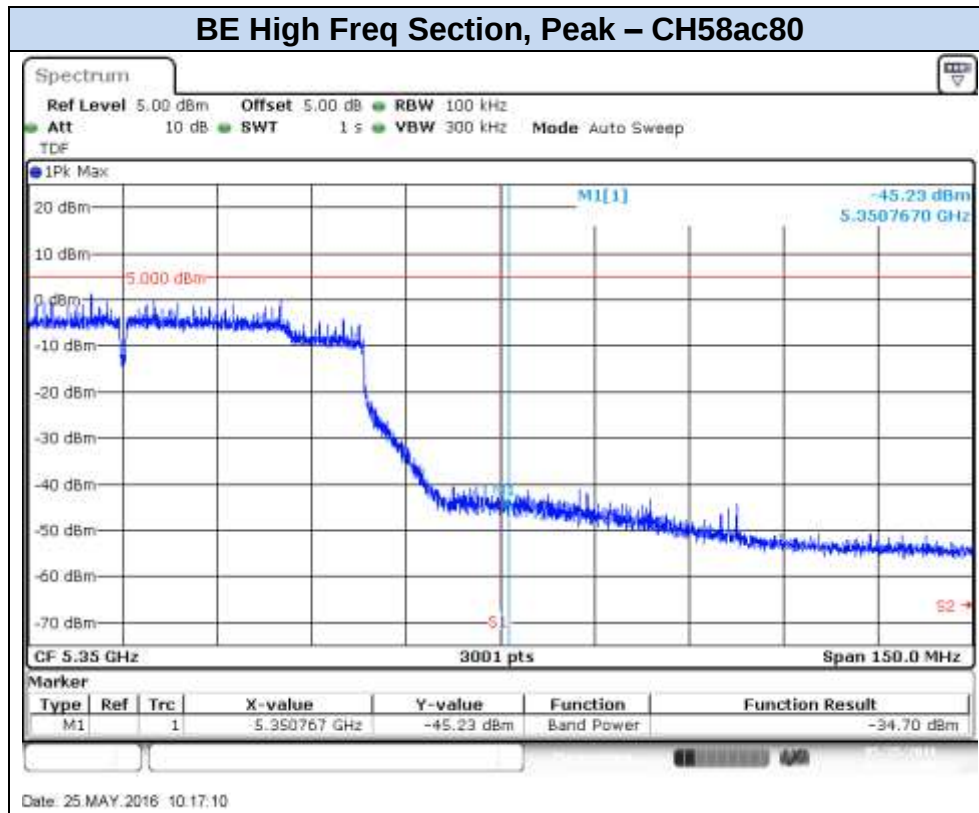


BE High Freq Section, RMS – CH58ac80

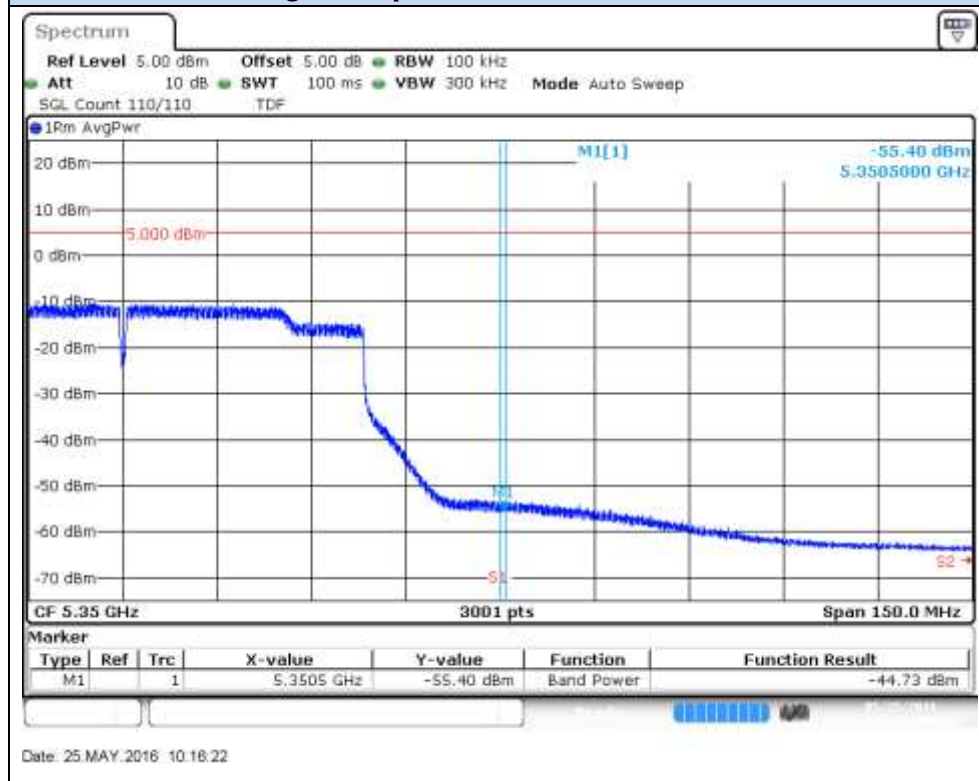


802.11ac80, VHT0 (MIMO)- Chain B

BE High Freq Section, Peak – CH58ac80



BE High Freq Section, RMS – CH58ac80



C.4 Radiated spurious emission

Standard references:

FCC part	Limits																																
15.407 (a) (2)	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.																																
15.209	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> 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
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																														

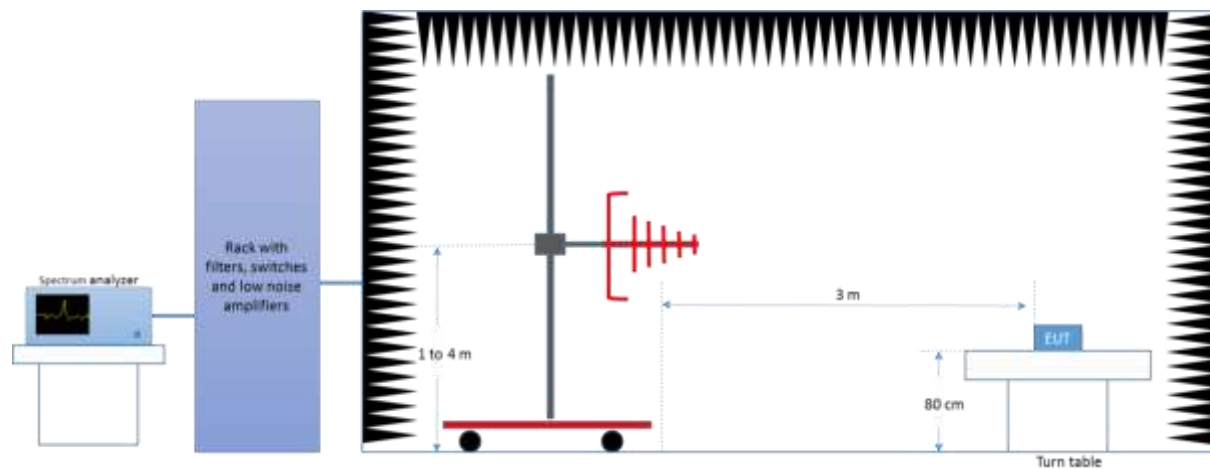
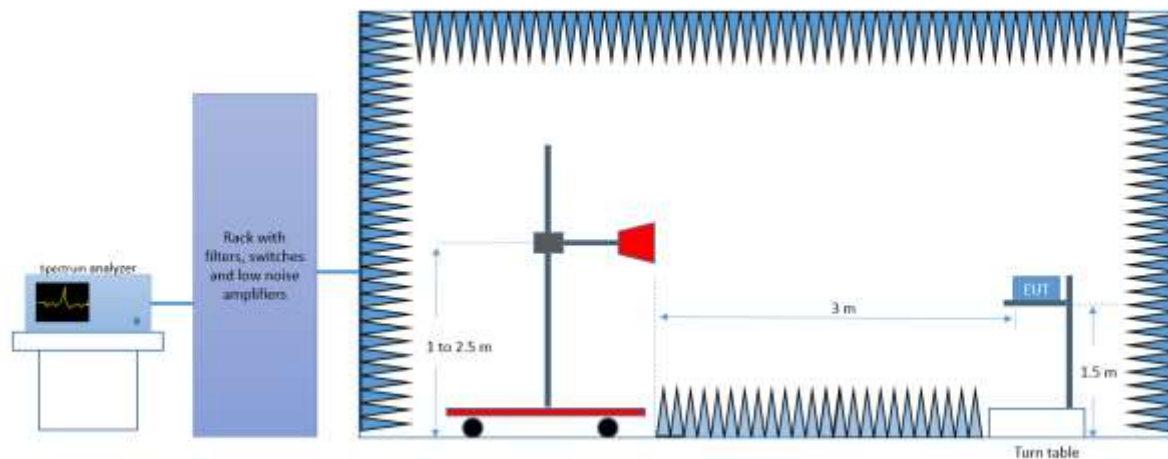
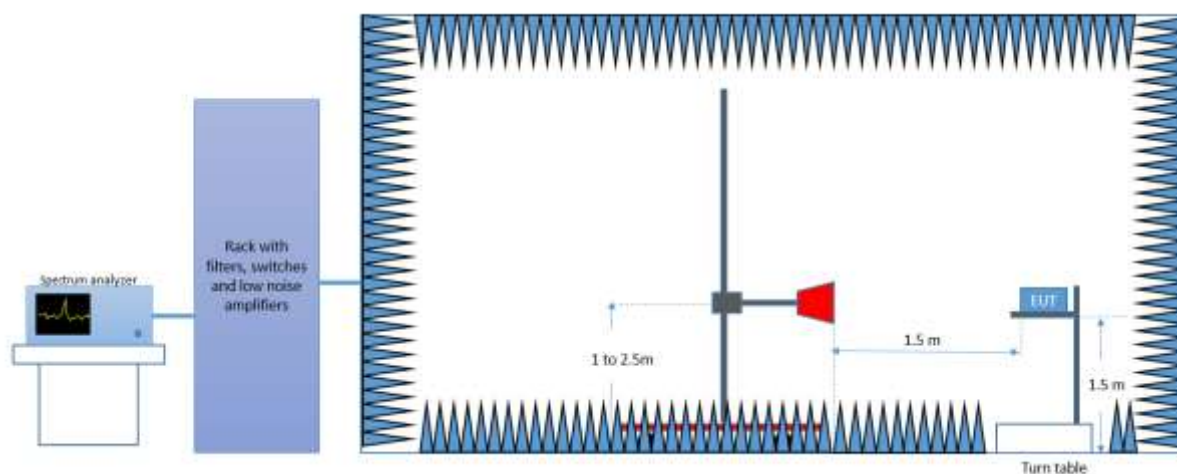
Test procedure:

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

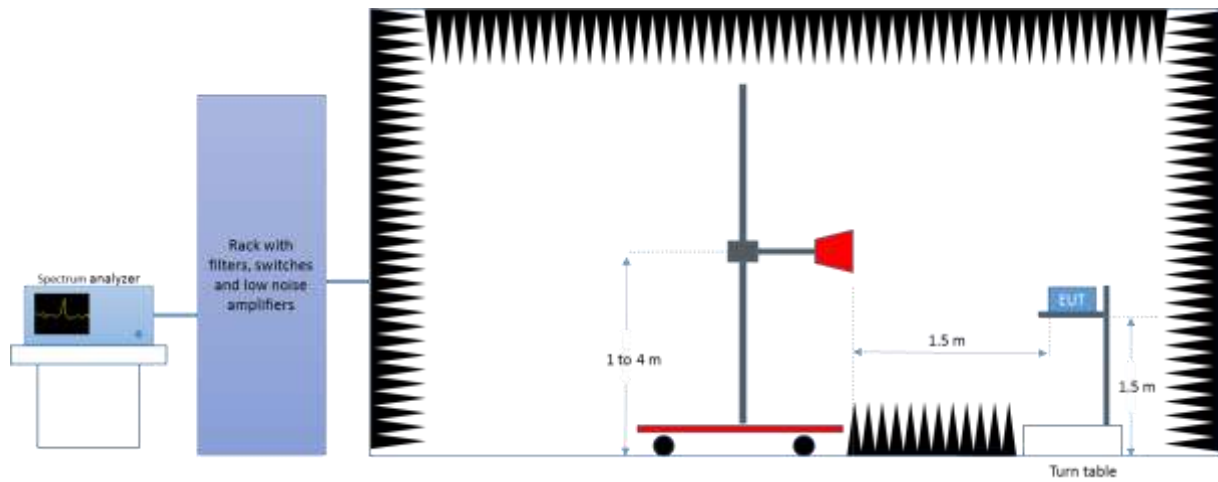
Depending of the frequency range and bands being tested, different antennas and filters were used.

The final measurement is done by varying the antenna height, 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 C.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*

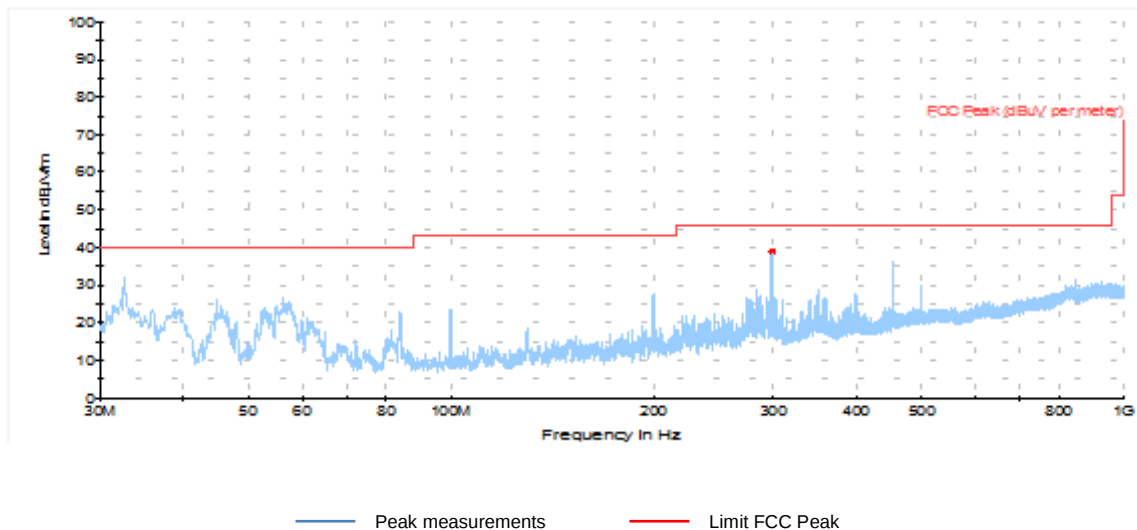
Radiated Setup > 26.5 GHz



Test Results:

Radiated Spurious – 30MHz to 1GHz

Radiated Spurious – All modes

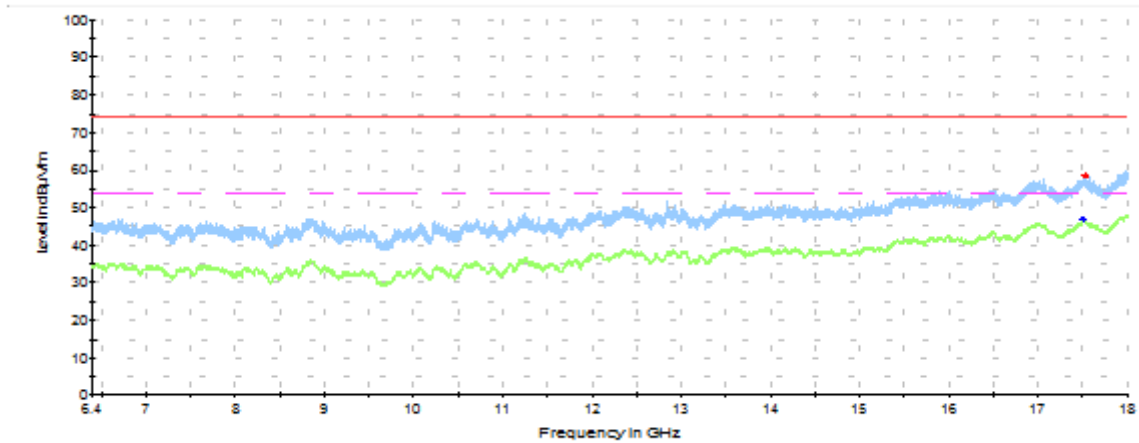
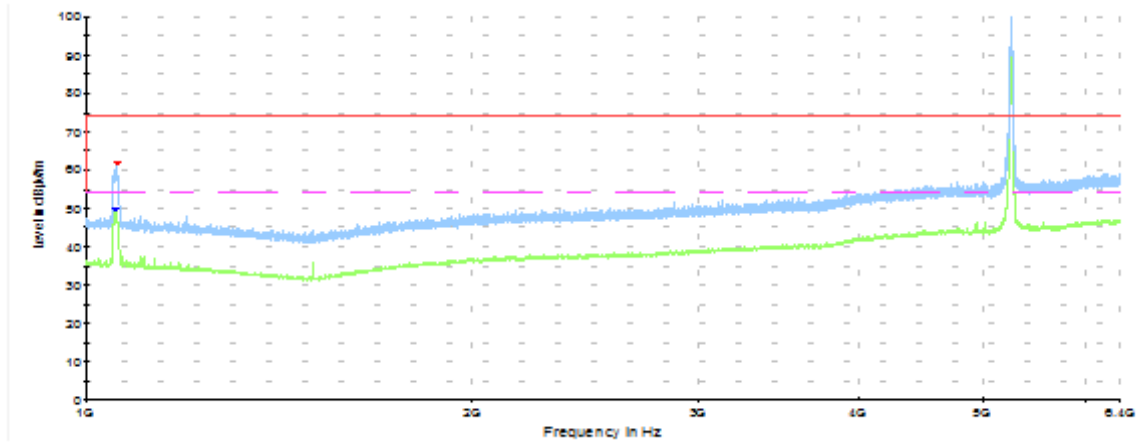


Frequency	MaxPeak	Limit	Margin
MHz	dBuV/m	dBuV/m	dB
299	38.9	46	7.1

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

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

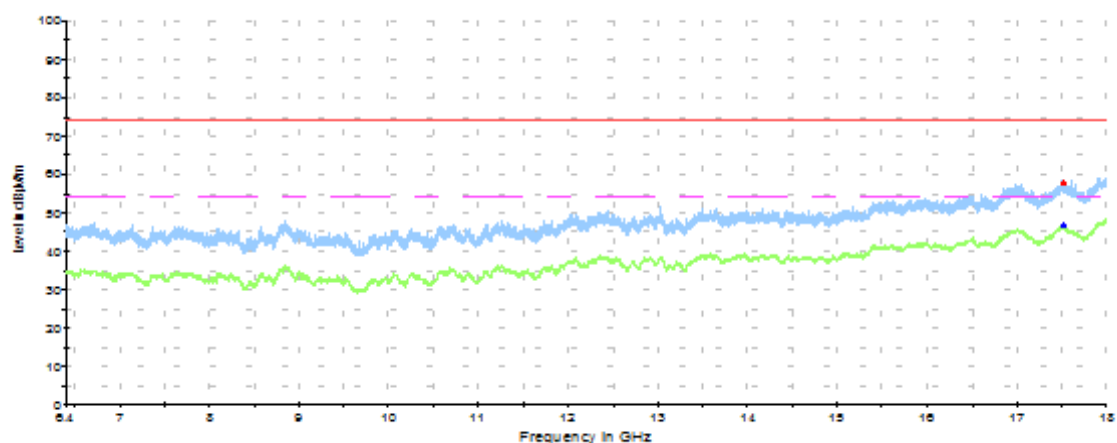
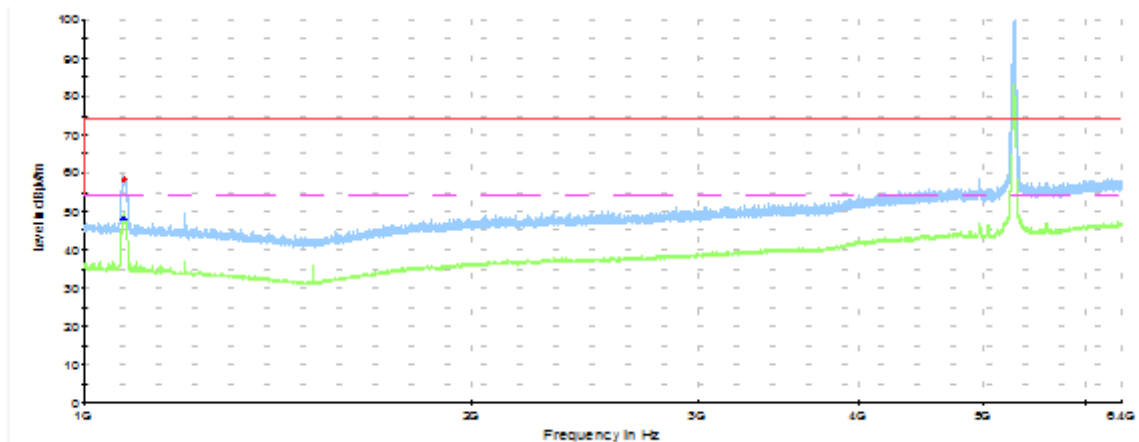
Radiated Spurious – CH52



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1054	-	52.1	54	1.9
1057	62.8	-	74	11.2
17507	-	46.9	54	7.1
17524	58.3	-	74	15.7

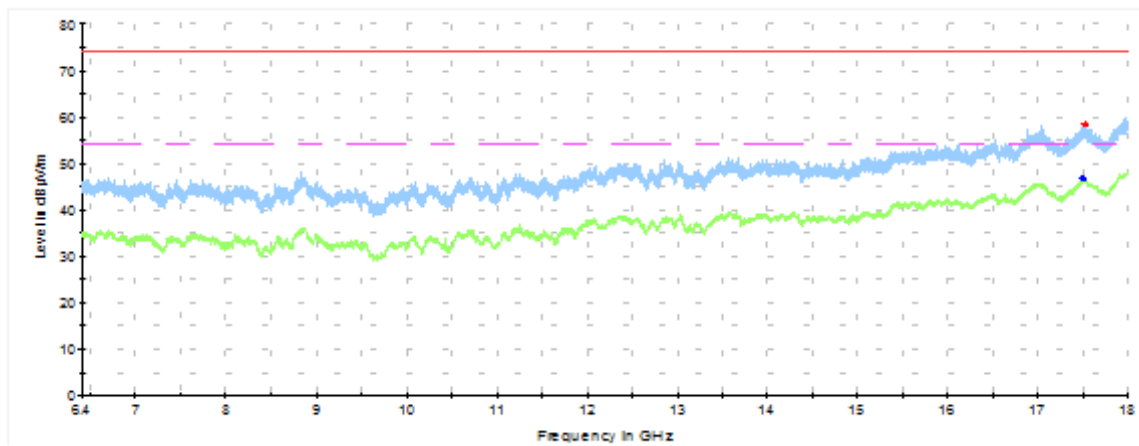
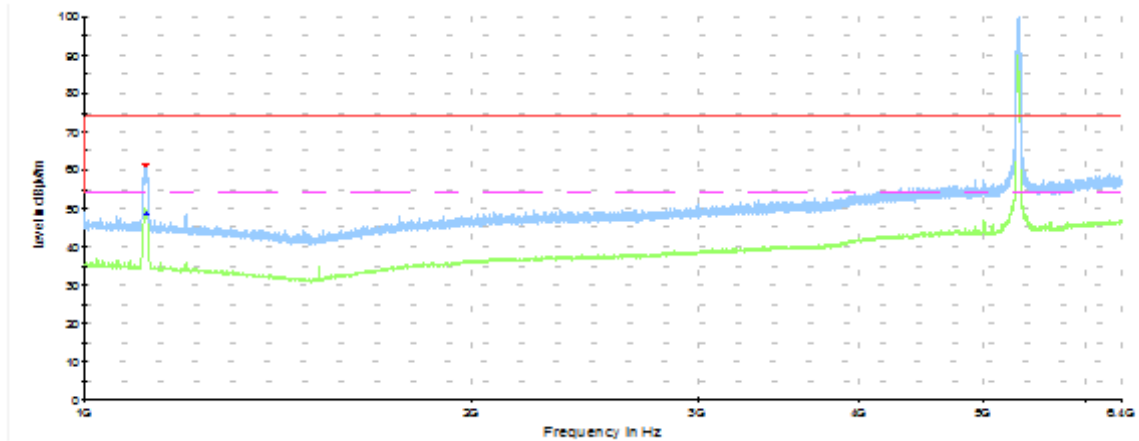
Radiated Spurious – CH56



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1075	-	51.4	54	2.7
1075	62.9	-	74	11.2
17518	57.8	-	74	16.3
17521	-	46.6	54	7.4

Radiated Spurious – CH64

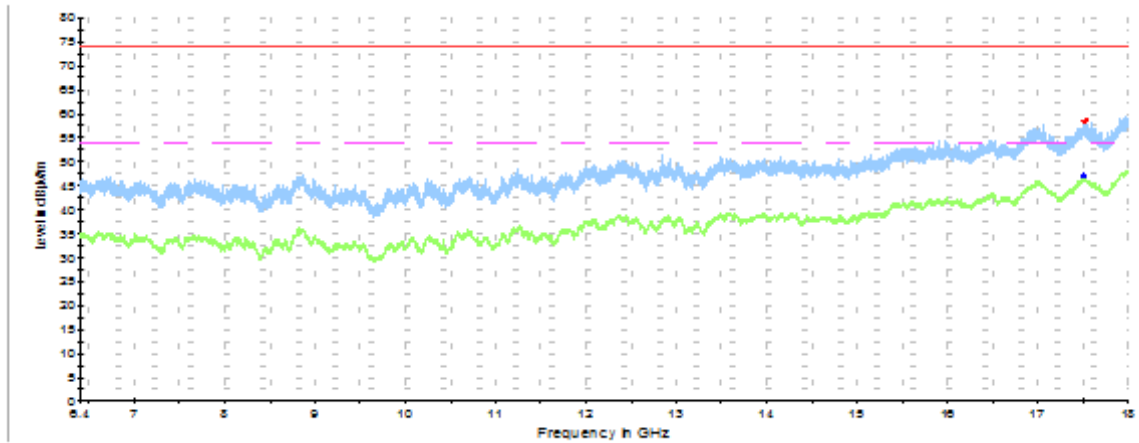
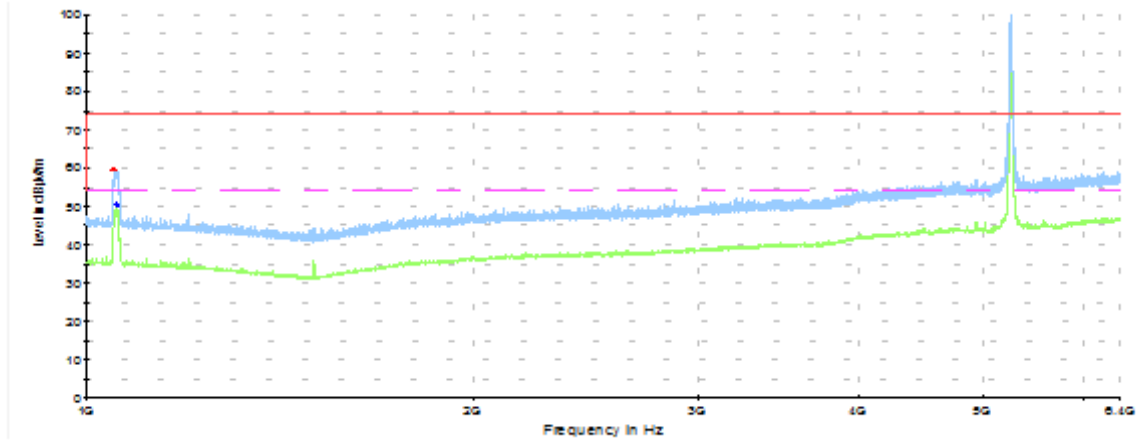


— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1115	61.8	-	74	12.3
1117	-	49.1	54	5.0
17499	-	46.8	54	7.3
17519	58.3	-	74	15.7

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

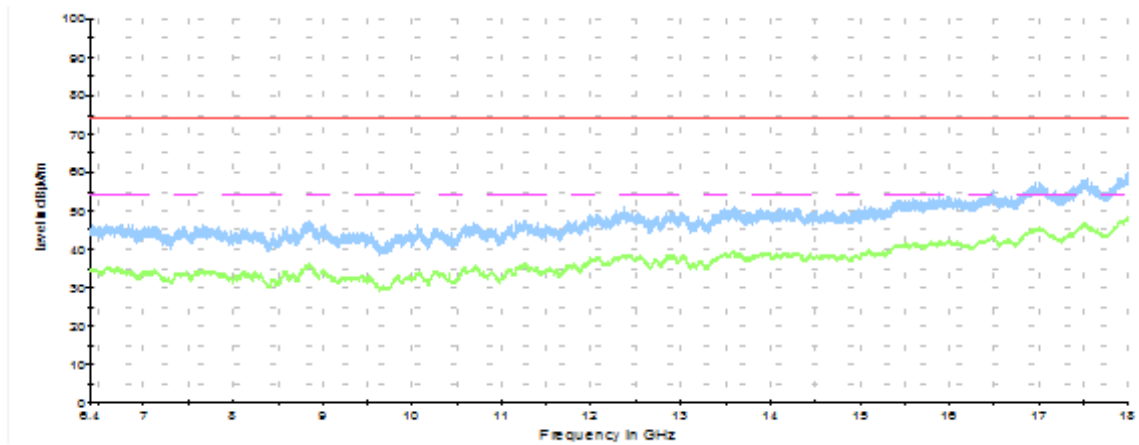
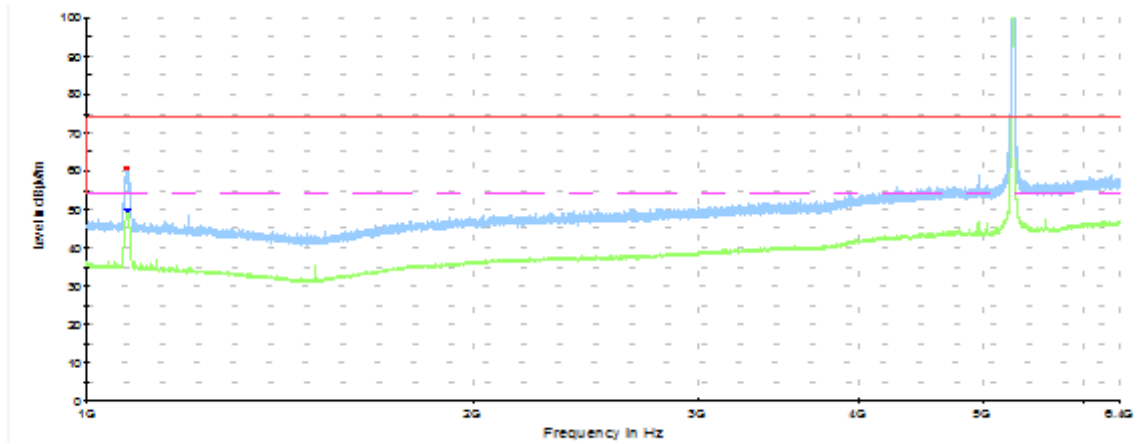
Radiated Spurious – CH52



— Peak measurements — Avg measurements — Limit FCC Peak - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1050	61.3	-	74	12.8
1055	-	52.1	54	2.0
17507	-	46.9	54	7.1
17524	58.3	-	74	15.7

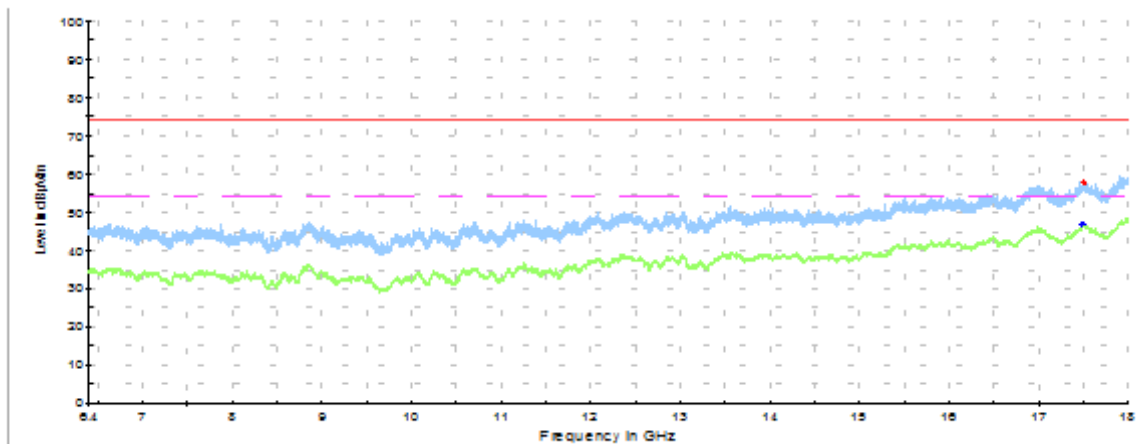
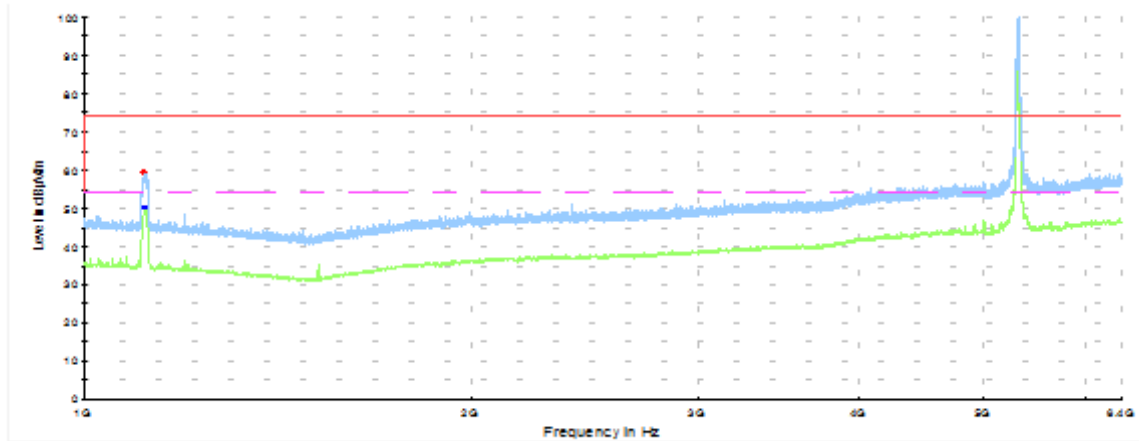
Radiated Spurious – CH56



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1073	63.1	-	74	11.0
1075	-	49.7	54	4.3
17974	-	48.0	54	6.1
17981	60.0	-	74	14.1

Radiated Spurious – CH64

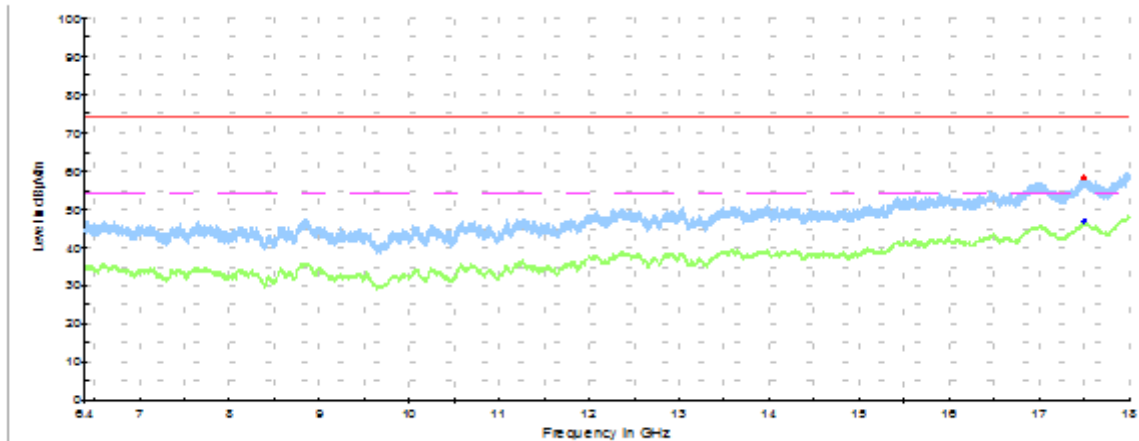
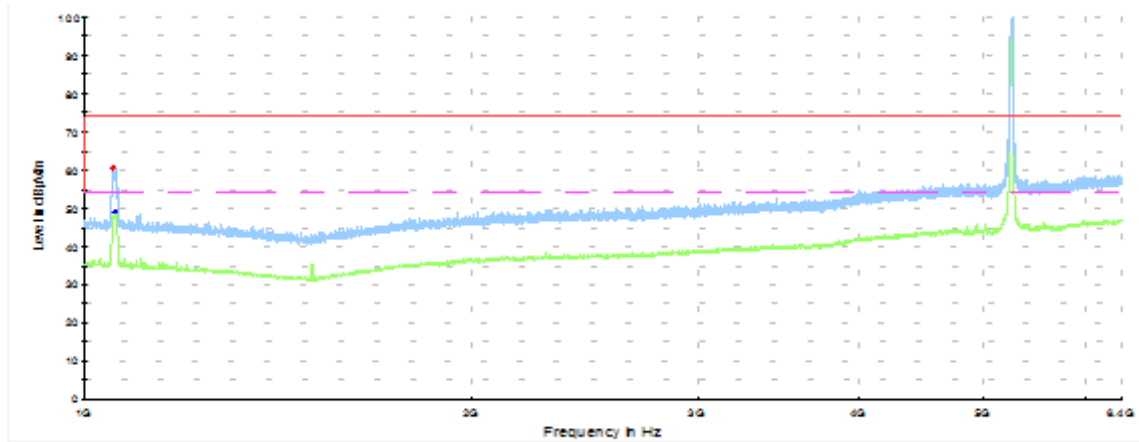


— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1112	61.4	-	74	12.7
1114	-	50.2	54	3.8
17500	-	46.8	54	7.2
17513	57.9	-	74	16.2

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

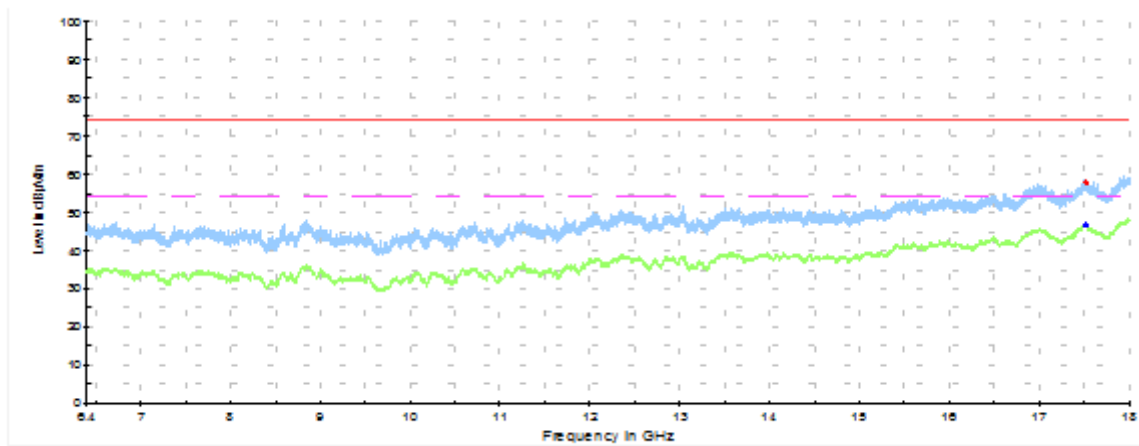
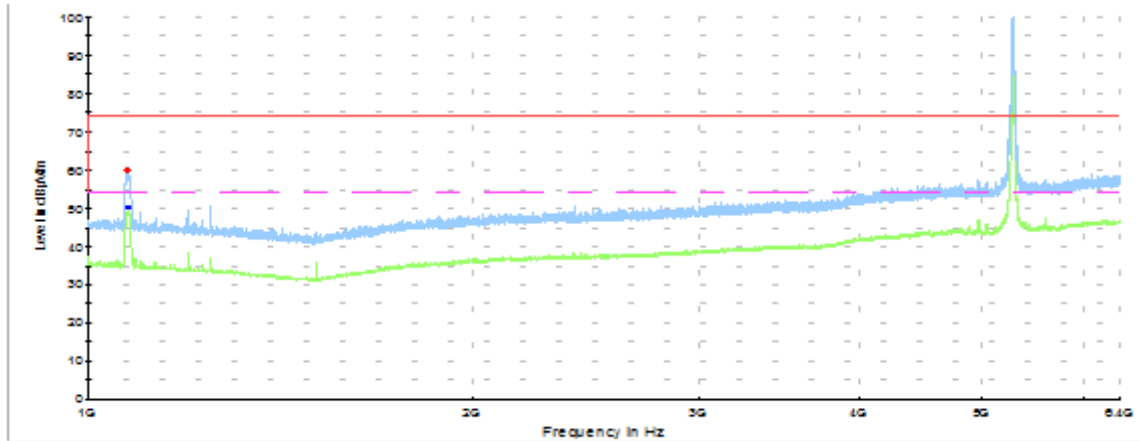
Radiated Spurious – CH52



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1054	63.9	-	74	10.2
1055	-	50.6	54	3.5
17494	-	46.8	54	7.2
17496	58.1	-	74	16.0

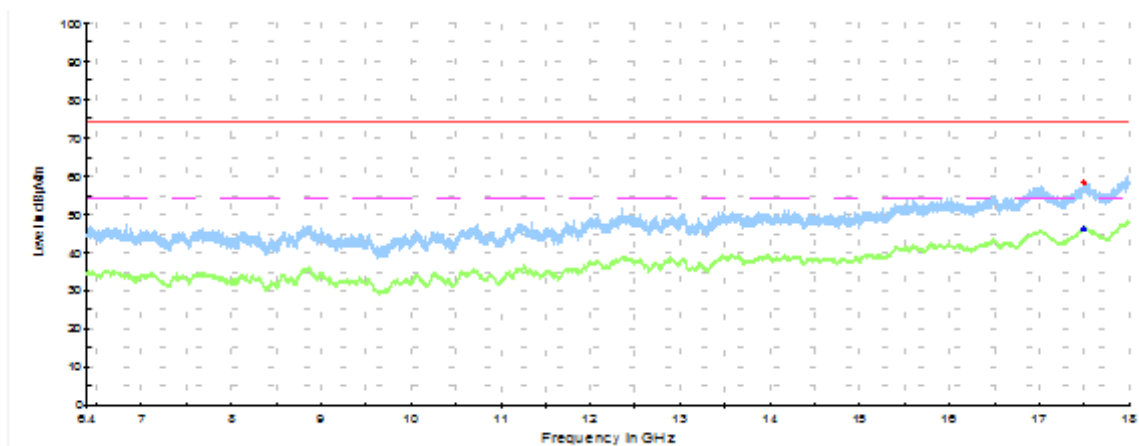
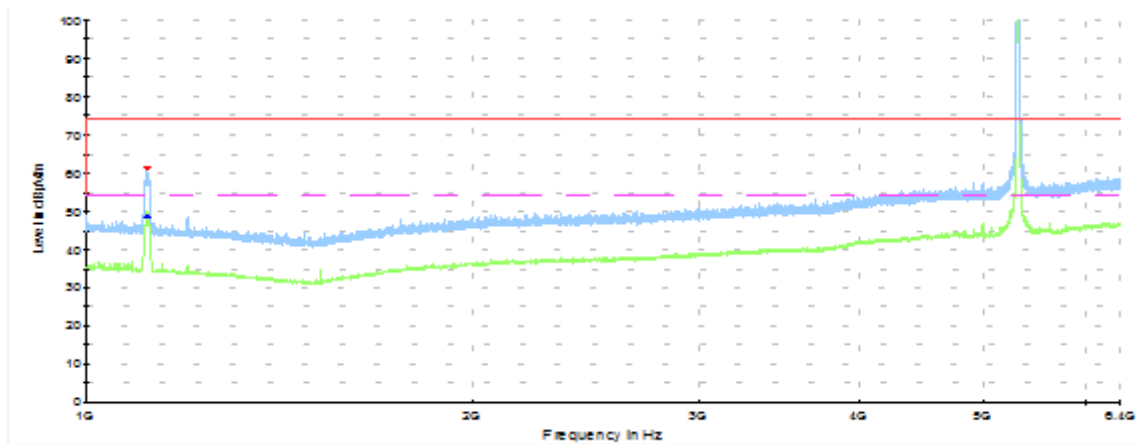
Radiated Spurious – CH56



— Peak measurements — Avg measurements — Limit FCC Peak - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1075	-	51.4	54	2.7
1075	62.9	-	74	11.2
17518	57.8	-	74	16.3
17521	-	46.6	54	7.4

Radiated Spurious – CH64

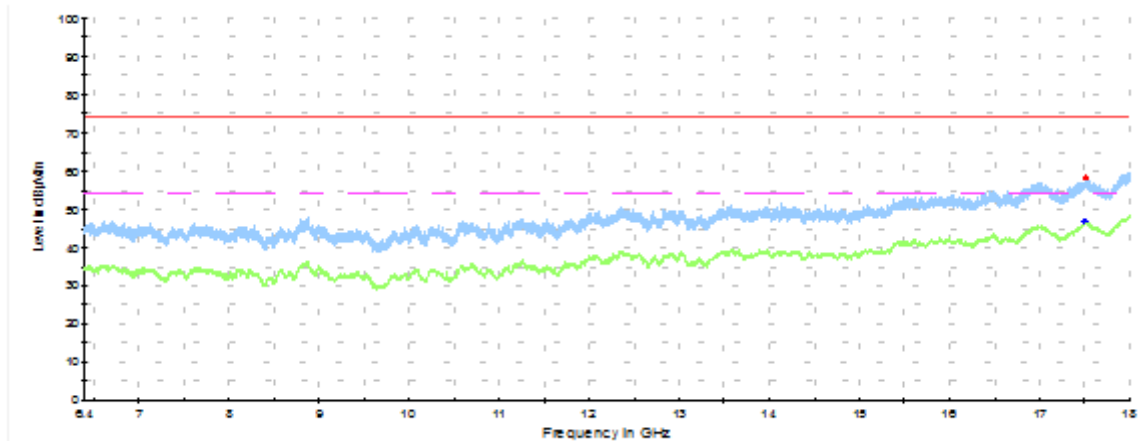
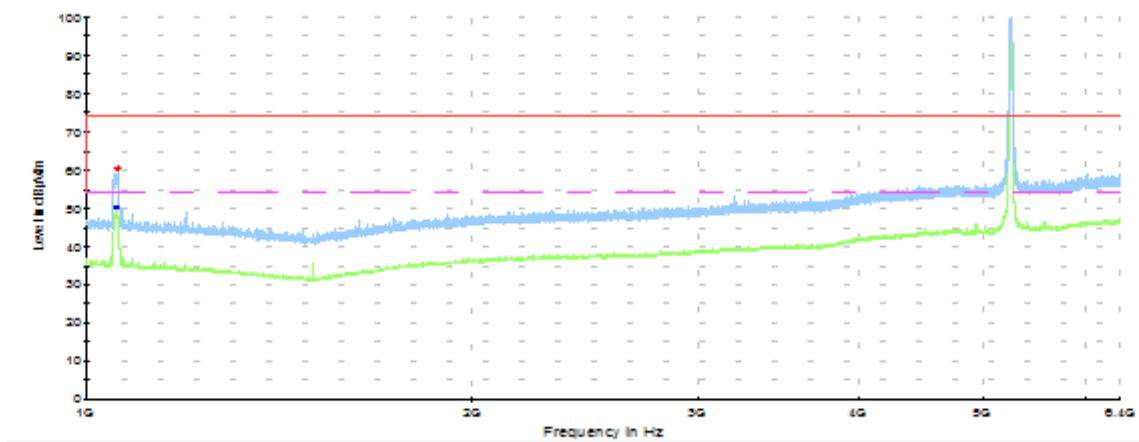


— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1115	61.8	-	74	12.3
1117	-	49.1	54	5.0
17499	-	46.1	54	8.0
17501	58.2	-	74	15.9

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

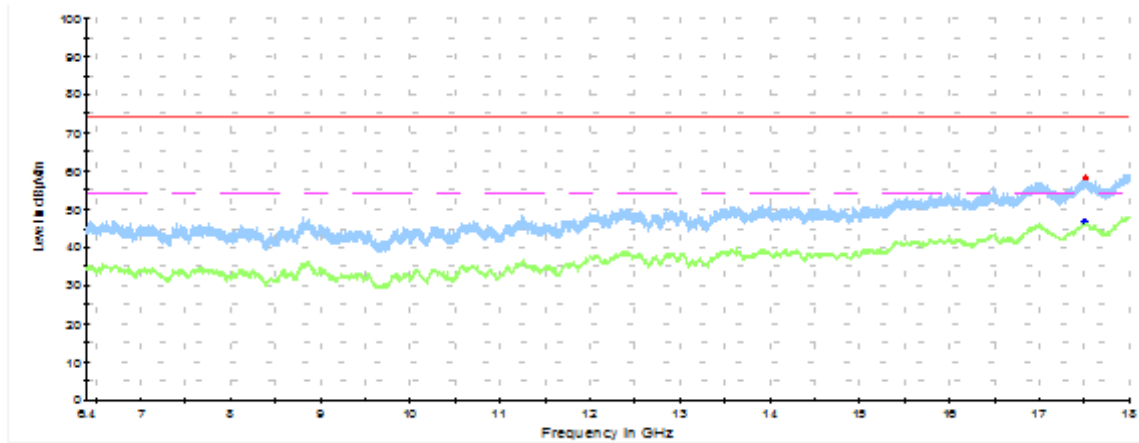
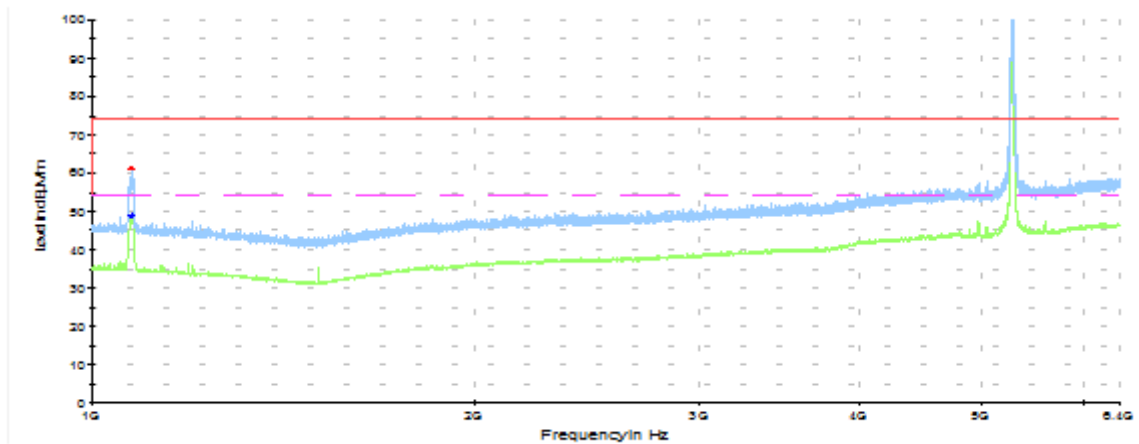
Radiated Spurious – CH52



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1056	-	50.2	54	3.8
1057	62.8	-	74	11.3
17503	58.1	-	74	16.0
17510	-	46.7	54	7.4

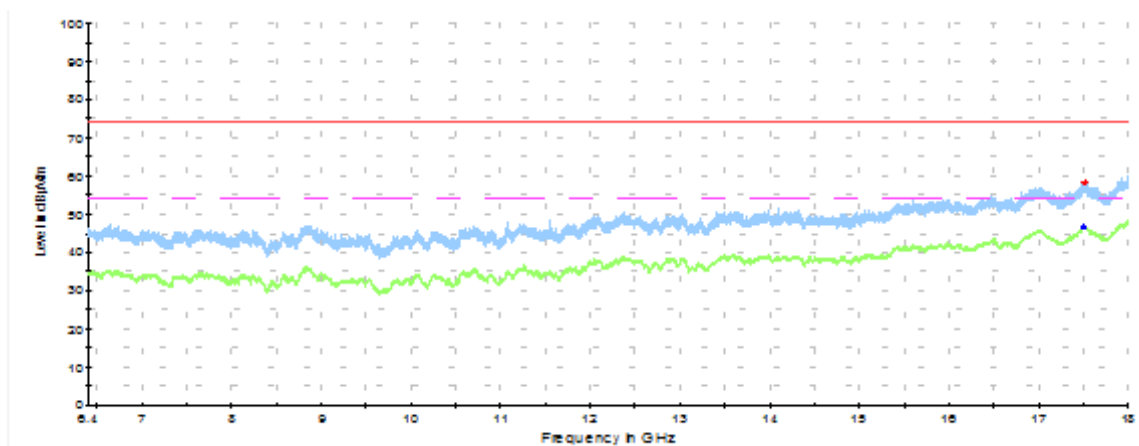
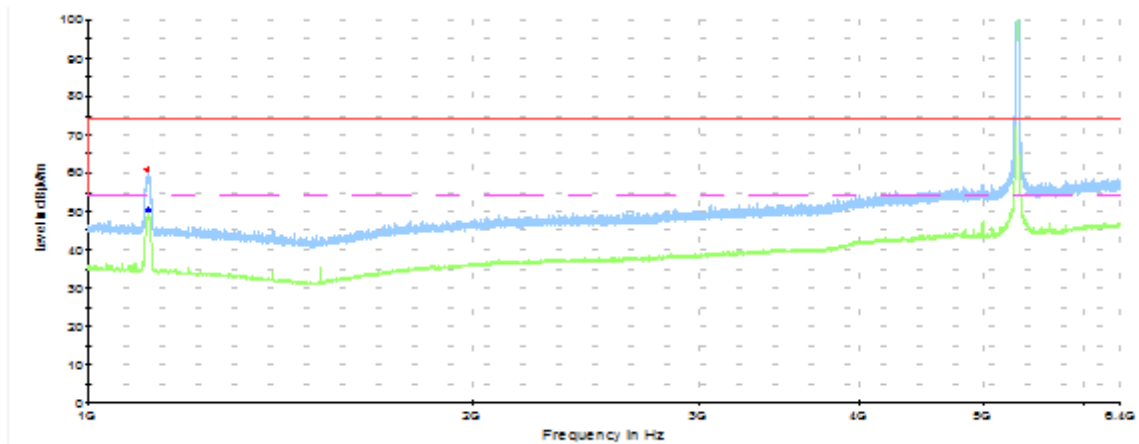
Radiated Spurious – CH56



— Peak measurements — Avg measurements — Limit FCC Peak - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1075	-	50.2	54	3.8
1075	62.6	-	74	11.5
17509	-	46.8	54	7.3
17517	58.2	-	74	15.9

Radiated Spurious – CH64

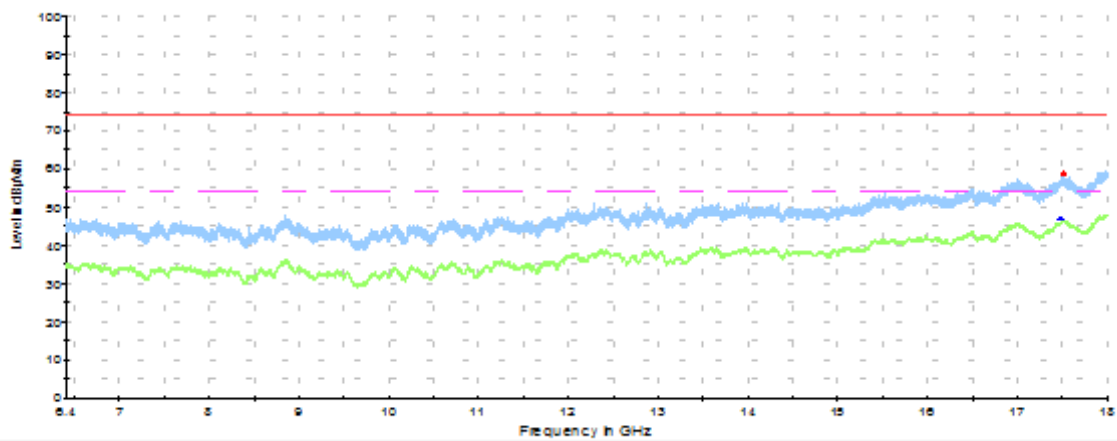
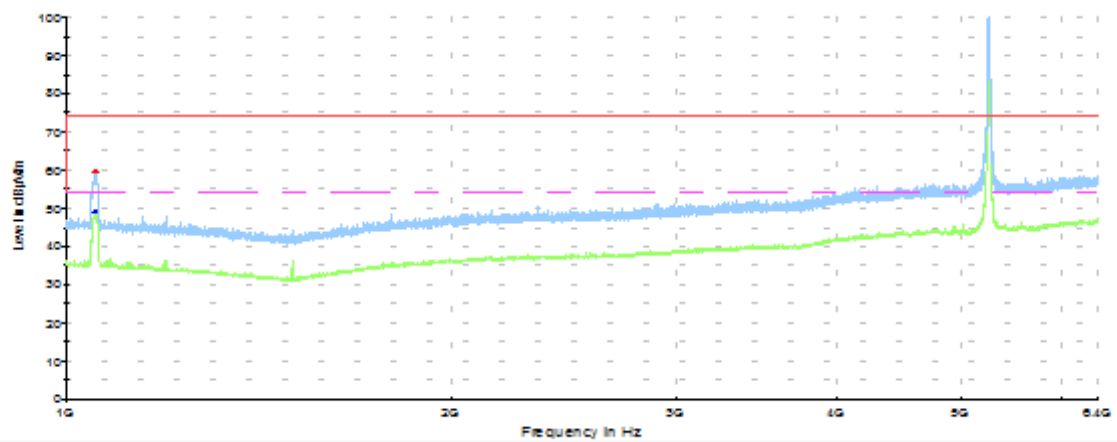


— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1113	61.8	-	74	12.3
1114	-	50.8	54	3.3
17499	-	46.6	54	7.5
17512	58.2	-	74	15.9

1 GHz – 18GHz, 802.11n20, HT8, Chain A+B

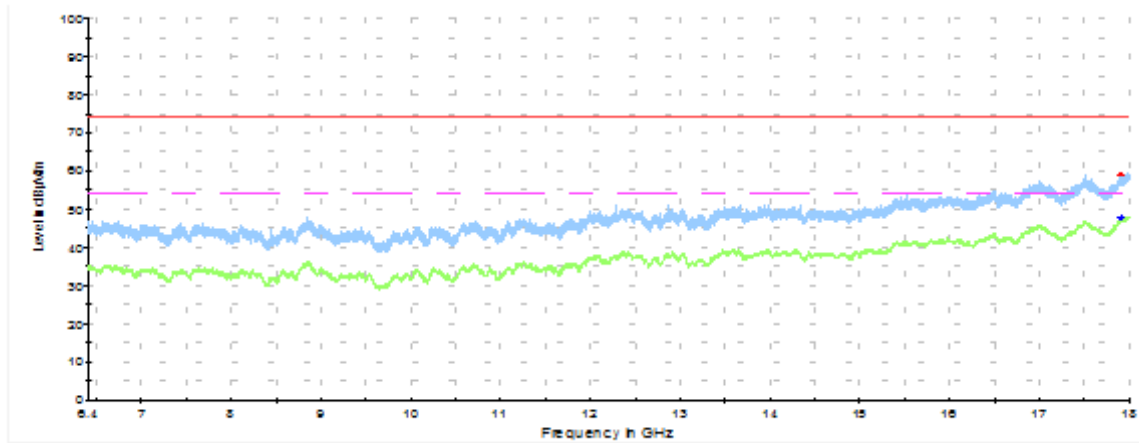
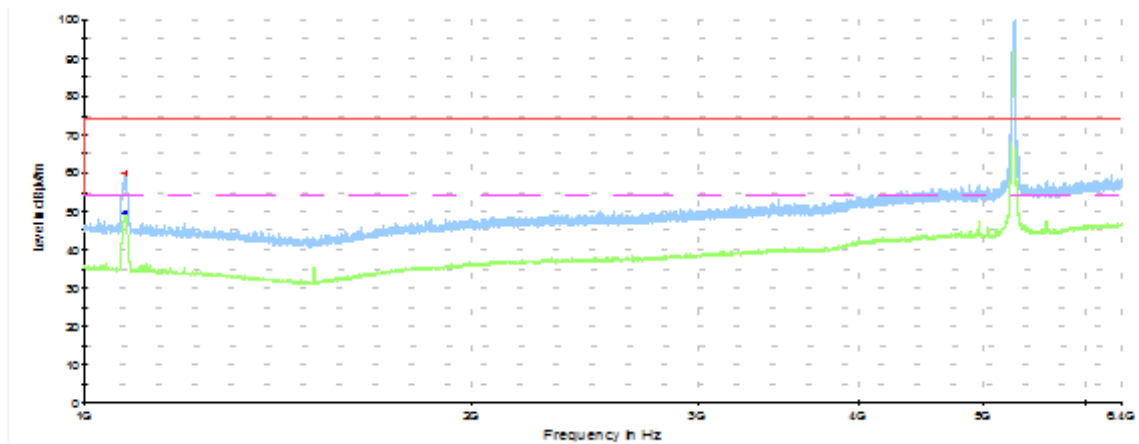
Radiated Spurious – CH52



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1054	-	51.3	54	2.7
1055	61.9	-	74	12.1
17490	-	47.0	54	7.1
17514	58.6	-	74	15.4

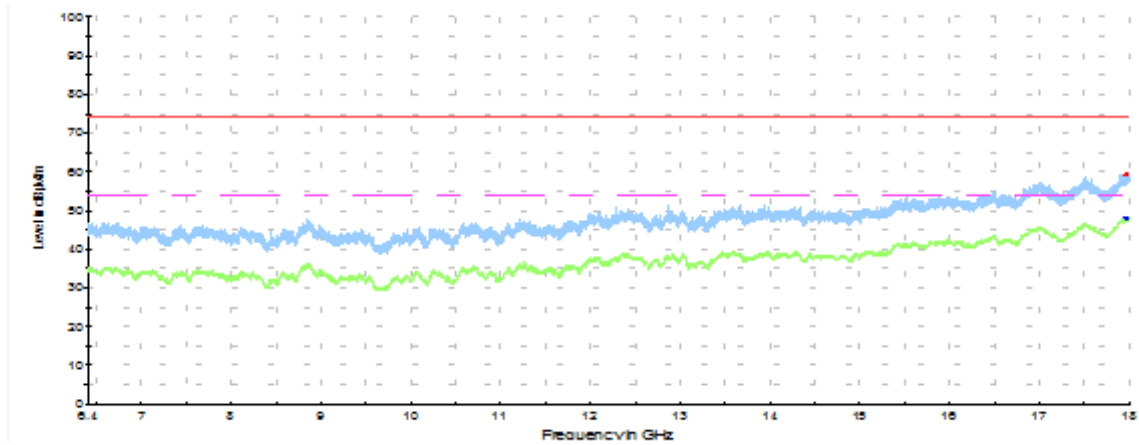
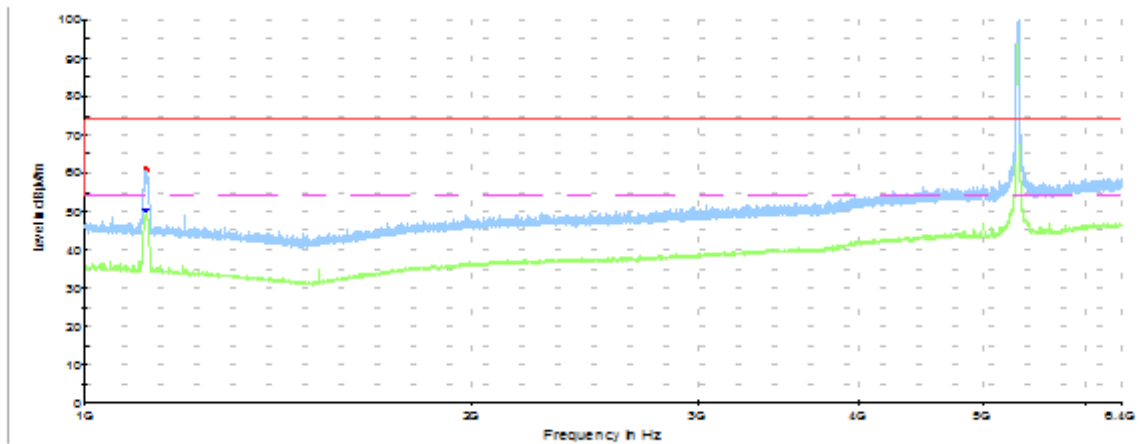
Radiated Spurious – CH56



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1074	-	51.2	54	2.8
1075	62.4	-	74	11.7
17915	59.1	-	74	15.0
17917	-	47.7	54	6.3

Radiated Spurious – CH64

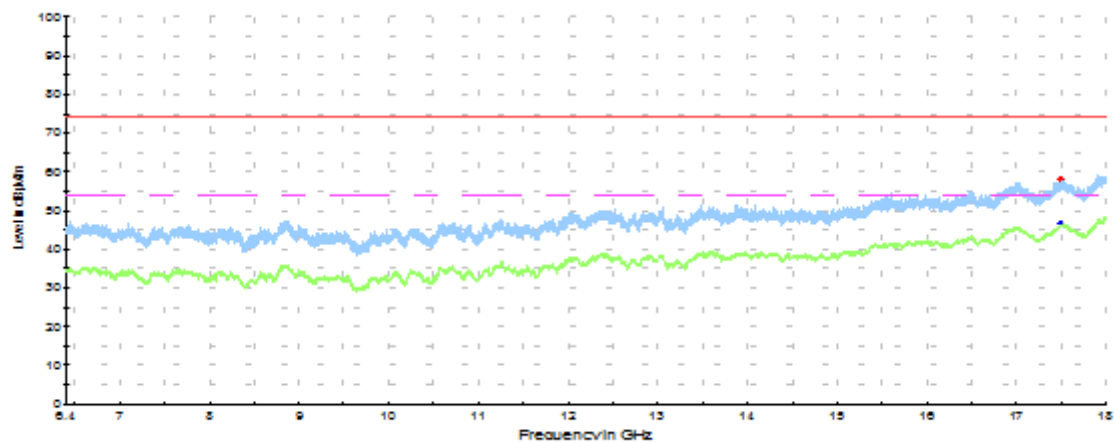
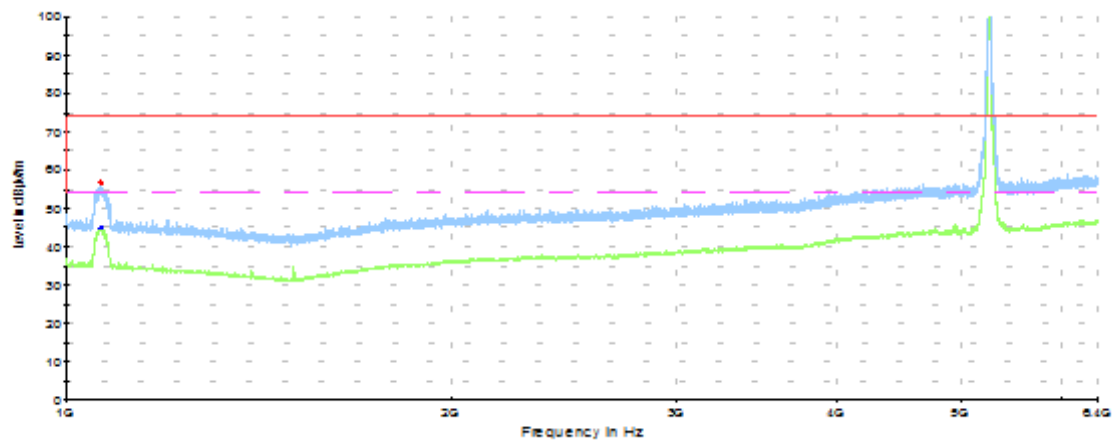


— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1114	-	50.3	54	3.8
1115	62.5	-	74	11.6
17969	59.1	-	74	14.9
17972	-	48.1	54	6.0

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

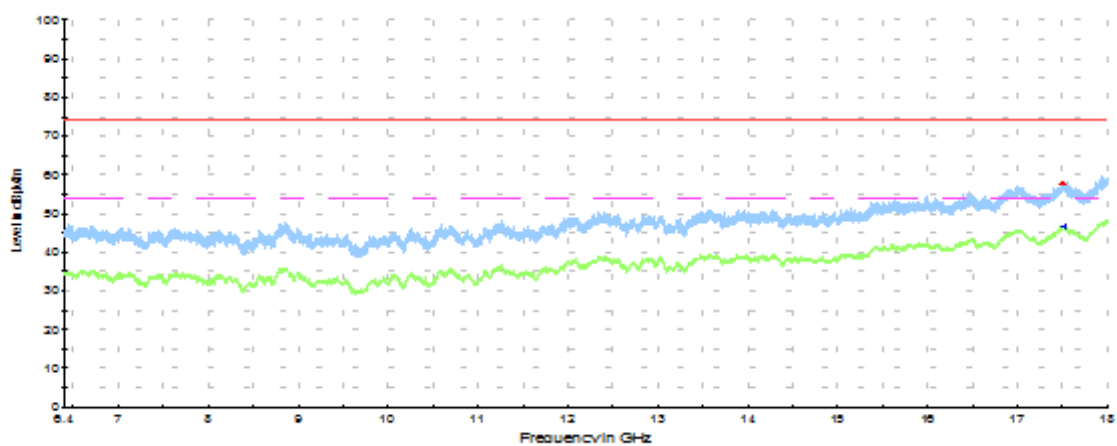
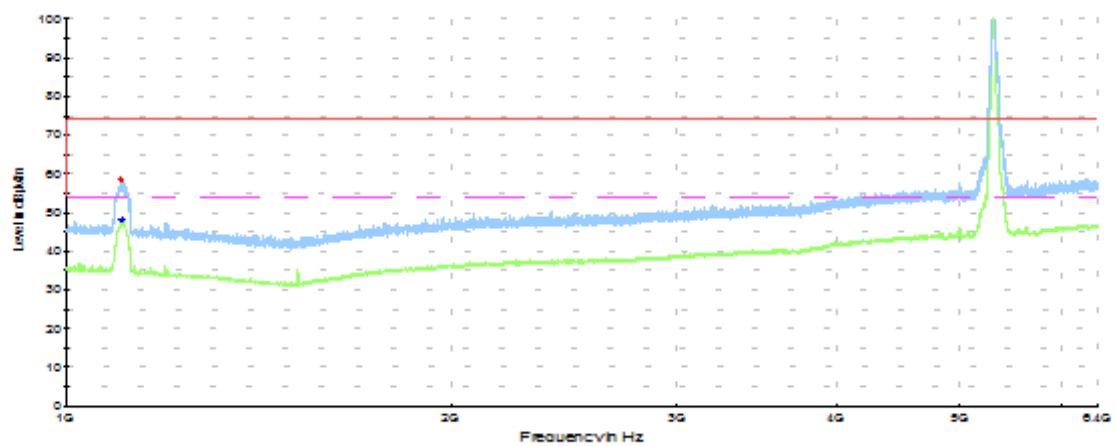
Radiated Spurious – CH54F



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1063	60.0	-	74	14.1
1064	-	45.7	54	8.3
17489	-	46.8	54	7.3
17499	58.2	-	74	15.9

Radiated Spurious – CH62F

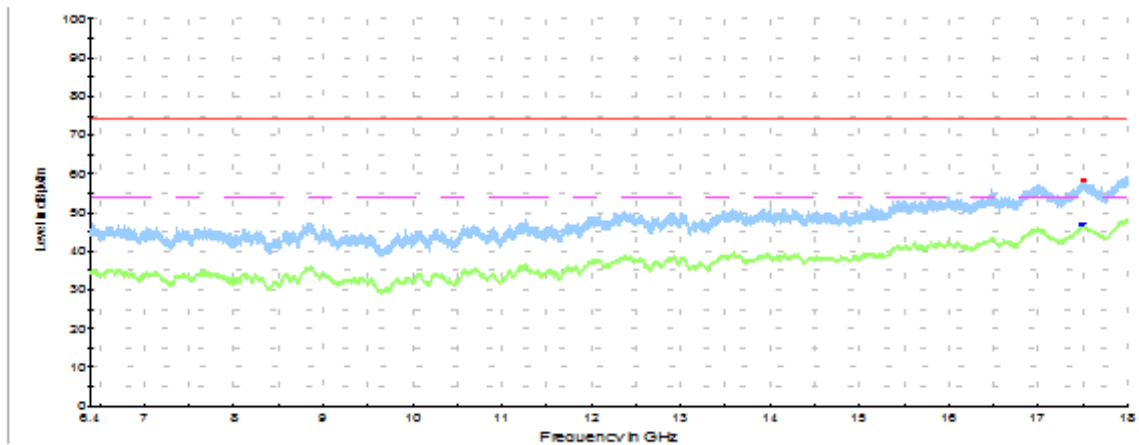
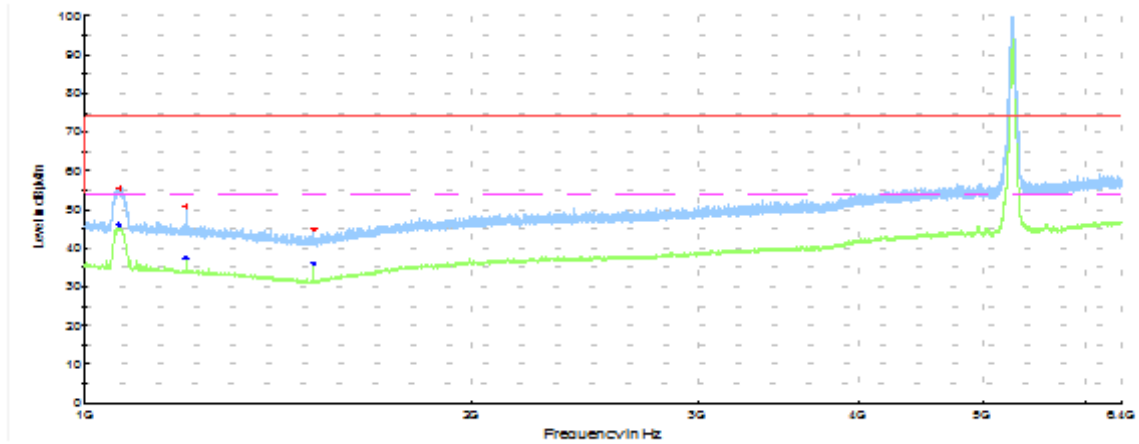


— Peak measurements — Avg measurements — Limit FCC Peak - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1102	58.4	-	74	15.6
1105	-	48.2	54	5.9
17508	57.6	-	74	16.5
17527	-	46.6	54	7.5

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

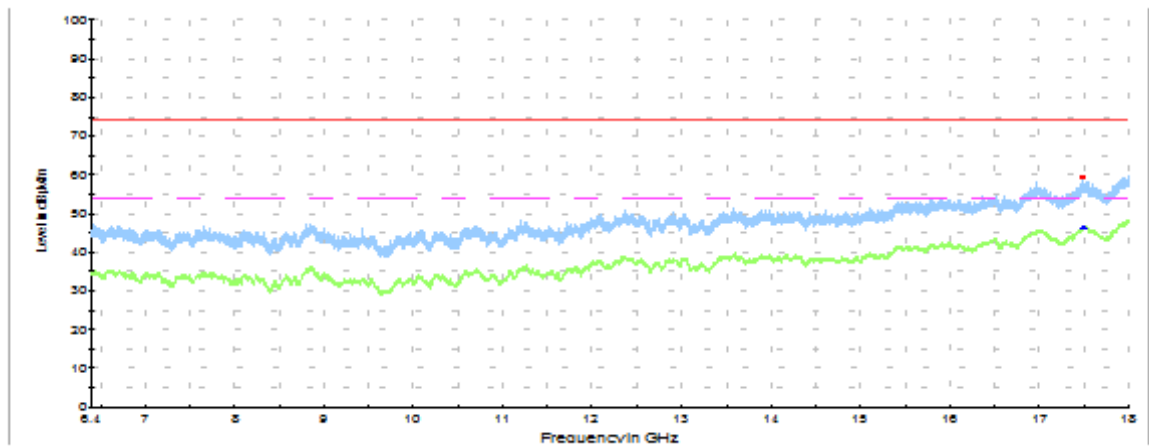
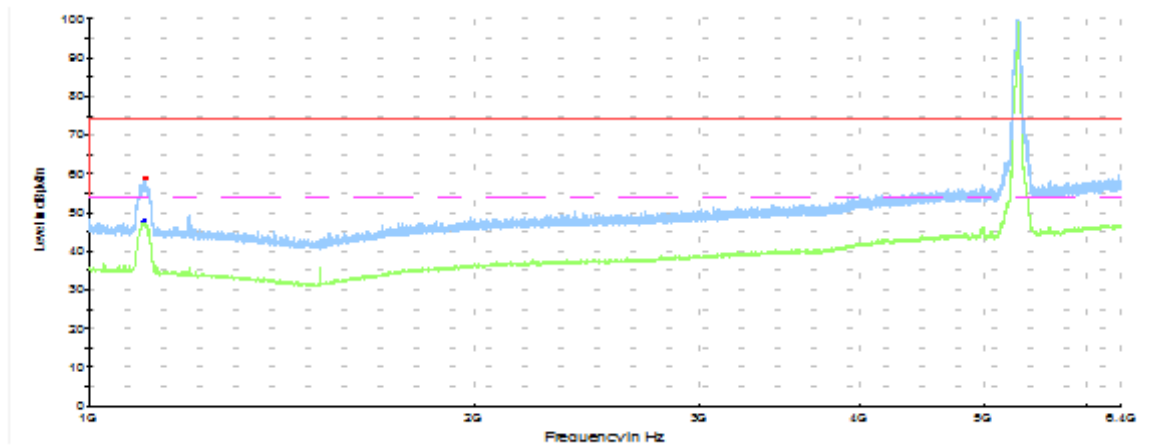
Radiated Spurious – CH54F



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1062	-	47.4	54	6.7
1063	58.3	-	74	15.8
1199	-	38.0	54	16.1
1199	51.5	-	74	22.6
1505	-	36.5	54	17.6
1505	44.9	-	74	29.2
17492	-	46.9	54	7.2
17514	58.2	-	74	15.9

Radiated Spurious – CH62F

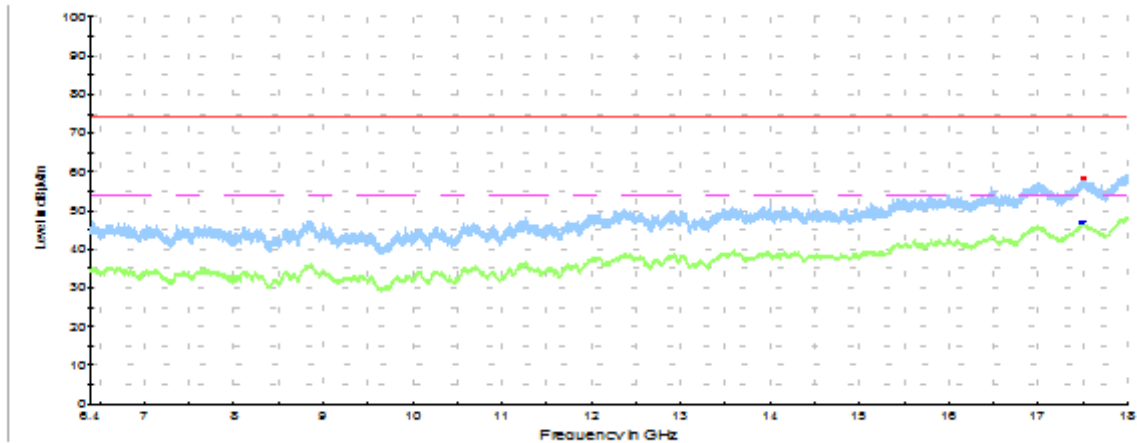
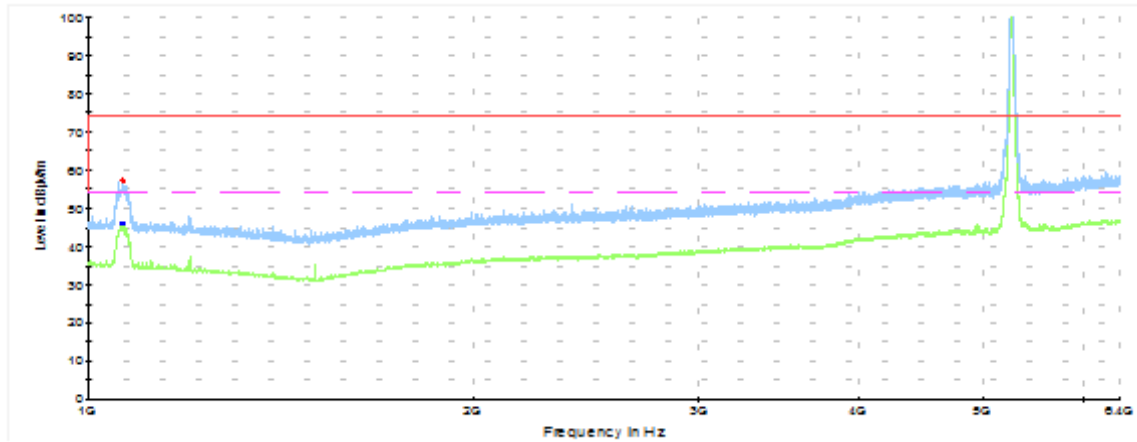


— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1104	-	48.6	54	5.5
1107	59.1	-	74	15.0
17484	59.3	-	74	14.8
17498	-	46.2	54	7.9

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

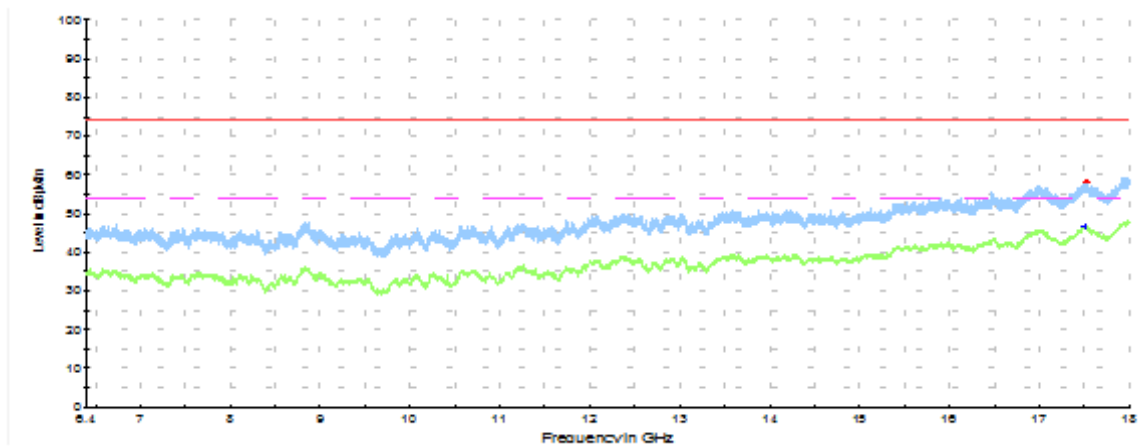
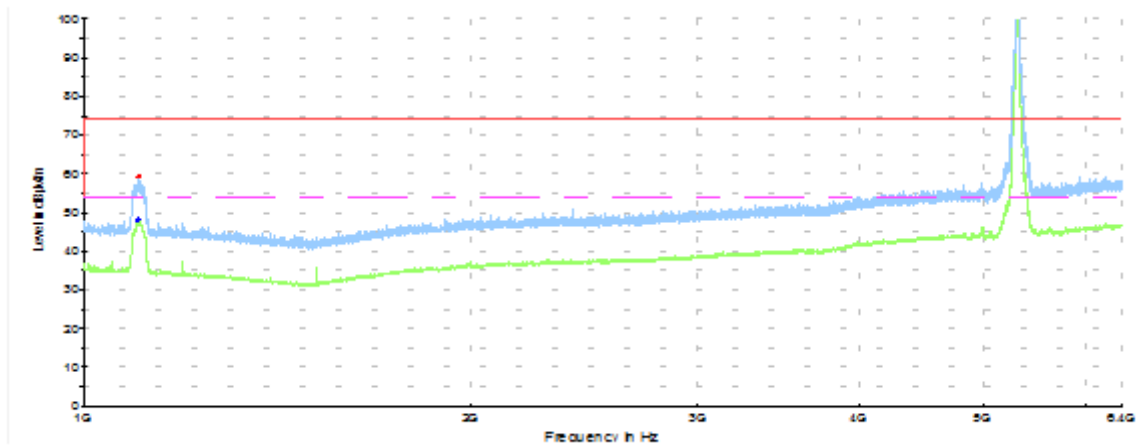
Radiated Spurious – CH54F



— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1064	58.6	-	74	15.4
1065	-	47.0	54	7.1
17492	-	46.9	54	7.2
17514	58.2	-	74	15.9

Radiated Spurious – CH62F

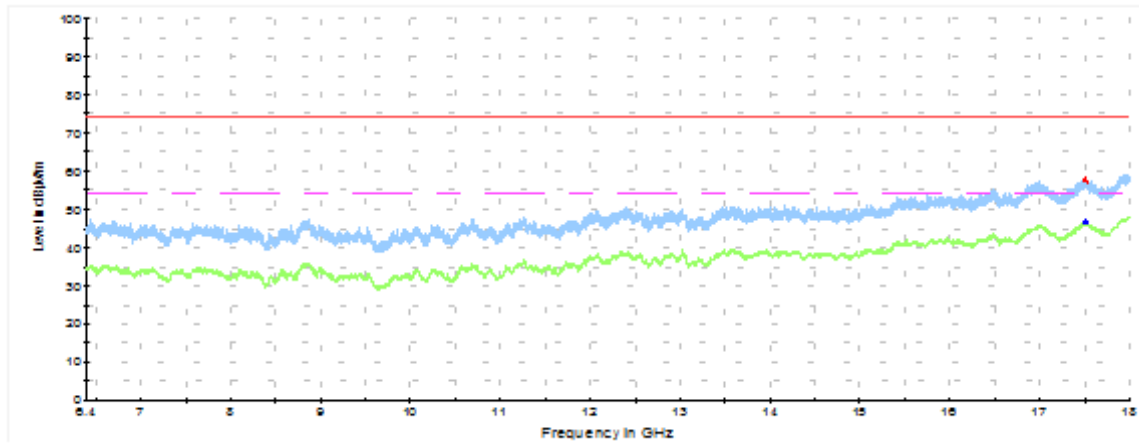
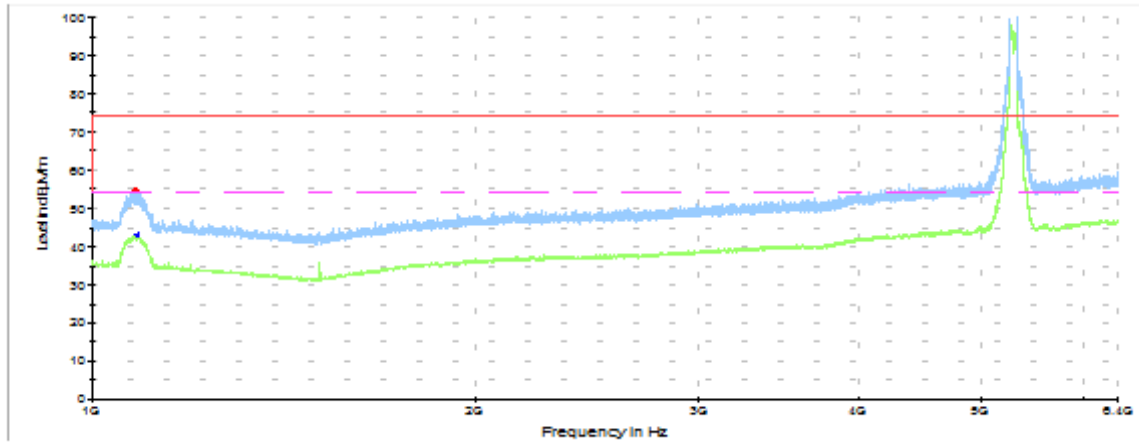


— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1103	-	47.0	54	7.1
1105	60.4	-	74	13.7
17504	-	46.6	54	7.5
17526	58.2	-	74	15.8

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

Radiated Spurious – CH58ac80

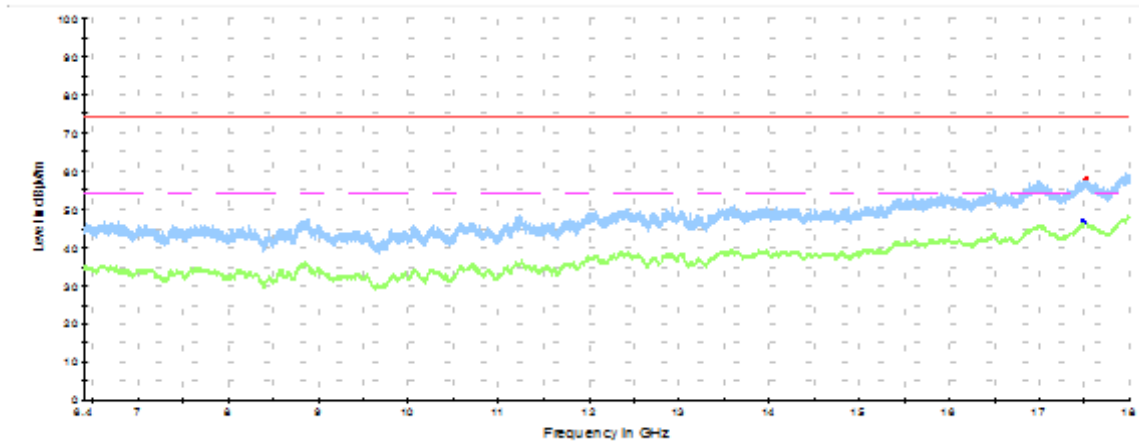
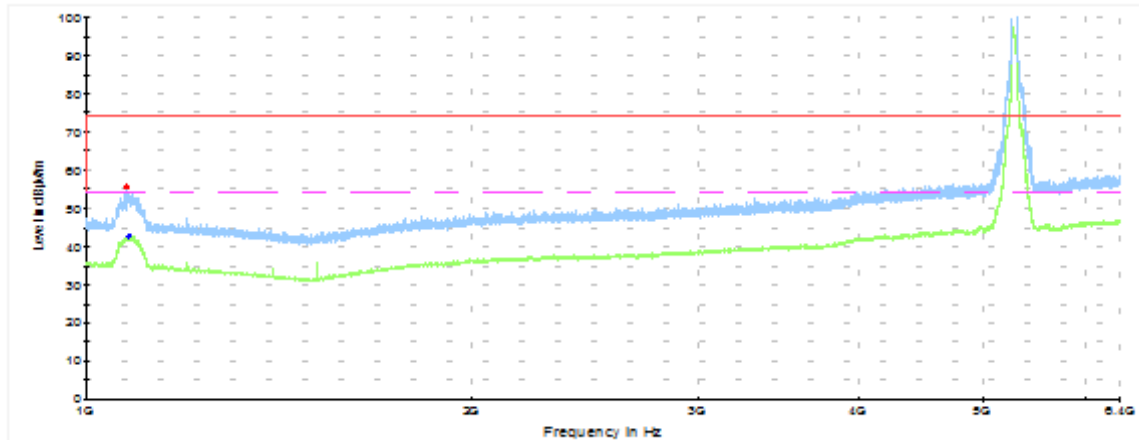


— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1082	55.9	-	74.1	18.2
1087	-	42.2	54.1	11.8
17517	-	46.7	54.1	7.4
17518	57.5	-	74.1	16.6

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

Radiated Spurious – CH58ac80

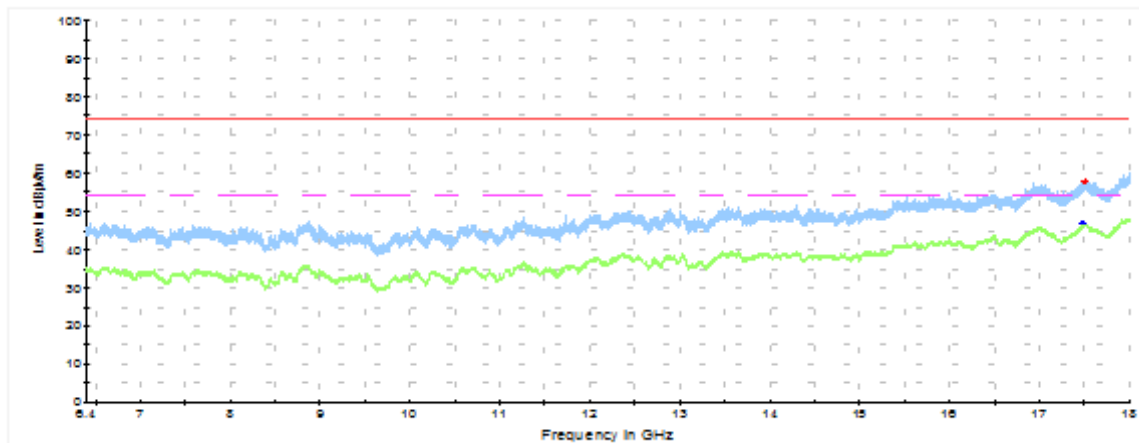
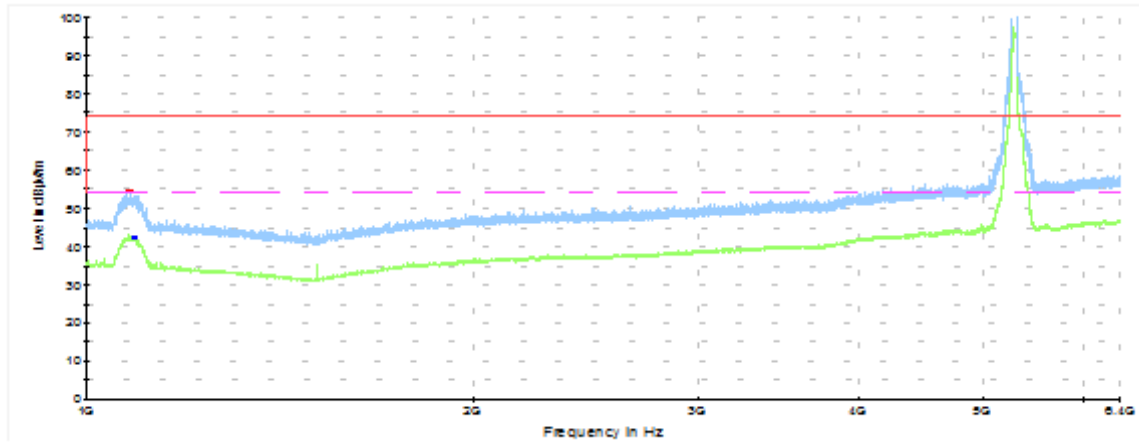


— Peak measurements
 — Avg measurements
 — Limit FCC Peak
 - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1075	56.0	-	74	18.1
1080	-	42.1	54	12.0
17492	-	47.1	54	7.0
17524	58.1	-	74	15.9

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

Radiated Spurious – CH58ac80

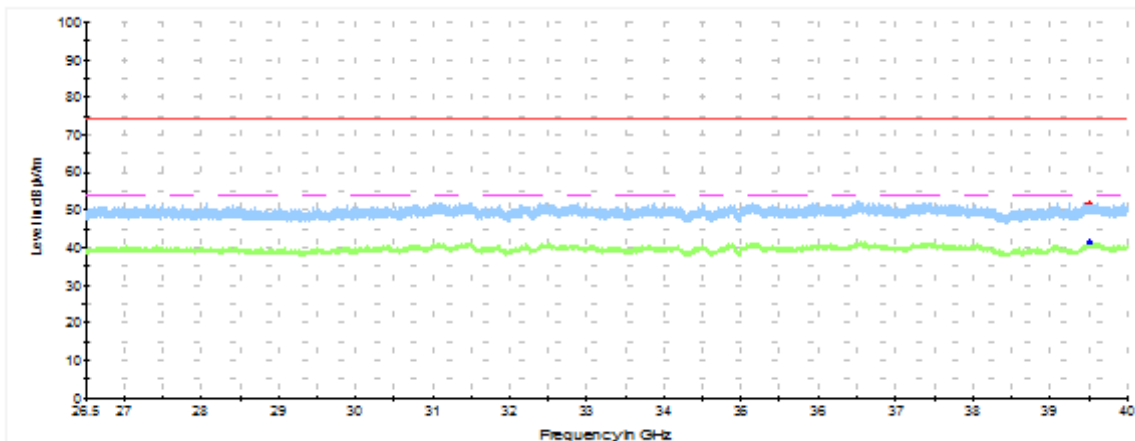
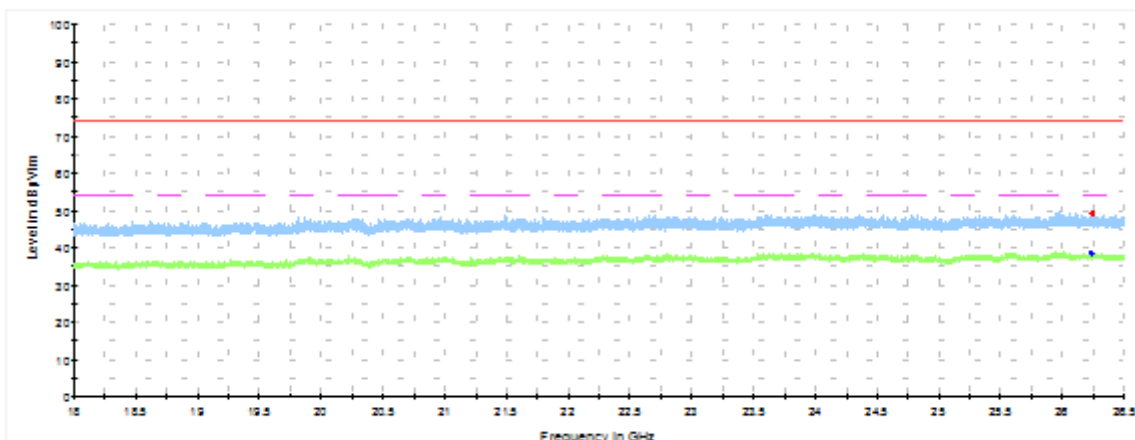


— Peak measurements — Avg measurements — Limit FCC Peak - - - Limit FCC Avg

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBuV/m	dBuV/m	dBuV/m	dB
1080	56.5	-	74	17.6
1089	-	40.7	54	13.4
17491	-	47.1	54	7.0
17507	57.9	-	74	16.1

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
26235	49.3	-	74	24.7
26250	-	38.5	54	15.5
39514	51.7	-	74	22.3
39514	-	41.4	54	12.6

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