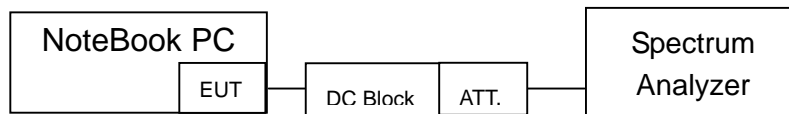


### 3 Peak output power test

#### 3.1 Limits

Operating Frequency (MHz)	Output power limit
5150~5250	< 50mW (17dBm) or 4dBm+10logB
5250~5350, 5470~5725	< 250mW (24dBm) or 11dBm+10logB
5725~5825	< 1W (30dBm) or 17dBm+10logB

#### 3.2 Configuration of Measurement



#### 3.3 Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to UNII test procedure of Oct 2002 DA 02-2138 for compliance to FCC 47CFR 15.407 requirements.

#### 3.4 Test Result

**PASS.**

The final test data is shown on as following pages.

## Maximum output power

### Single Tx

<b>Mode : 802.11 a Chain A</b>					
<b>CH</b>	<b>Frq. MHz</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
36	5180	27	15.29	17	-1.71
44	5220	27	15.90	17	-1.10
48	5240	27	16.13	17	-0.87
52	5260	27	16.15	24	-7.85
60	5300	27	15.58	24	-8.42
64	5320	27	15.50	24	-8.50
100	5500	27	15.71	24	-8.29
120	5600	27	15.73	24	-8.27
140	5700	27	14.86	24	-9.14

<b>Mode : 802.11 a Chain B</b>					
<b>CH</b>	<b>Frq. MHz</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
36	5180	27	15.35	17	-1.65
44	5220	27	15.46	17	-1.54
48	5240	27	15.66	17	-1.34
52	5260	27	15.55	24	-8.45
60	5300	27	15.18	24	-8.82
64	5320	27	15.85	24	-8.15
100	5500	27	15.68	24	-8.32
120	5600	27	16.07	24	-7.93
140	5700	27	16.34	24	-7.66

<b>Mode : 802.11 a Chain C</b>					
<b>CH</b>	<b>Frq. MHz</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
36	5180	27	12.56	17	-4.44
44	5220	27	13.97	17	-3.03
48	5240	27	13.40	17	-3.60
52	5260	27	12.16	24	-11.84
60	5300	27	11.71	24	-12.29
64	5320	27	12.93	24	-11.07
100	5500	27	12.61	24	-11.39
120	5600	27	12.61	24	-11.39
140	5700	27	11.77	24	-12.23

<b>Mode : 802.11 n (HT20) Chain A</b>					
<b>CH</b>	<b>Frq. MHz</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
36	5180	27	14.11	17	-2.89
44	5220	27	13.93	17	-3.07
48	5240	27	14.16	17	-2.84
52	5260	27	14.25	24	-9.75
60	5300	27	13.71	24	-10.29
64	5320	27	13.96	24	-10.04
100	5500	27	13.64	24	-10.36
120	5600	27	13.75	24	-10.25
140	5700	27	12.97	24	-11.03

<b>Mode : 802.11 n (HT20) Chain B</b>					
<b>CH</b>	<b>Frq. MHz</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
36	5180	27	13.78	17	-3.22
44	5220	27	13.91	17	-3.09
48	5240	27	14.11	17	-2.89
52	5260	27	14.06	24	-9.94
60	5300	27	14.11	24	-9.89
64	5320	27	13.82	24	-10.18
100	5500	27	14.00	24	-10.00
120	5600	27	14.60	24	-9.40
140	5700	27	14.64	24	-9.36

<b>Mode : 802.11 n (HT20) Chain C</b>					
<b>CH</b>	<b>Frq. MHz</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
36	5180	27	13.24	17	-3.76
44	5220	27	14.90	17	-2.10
48	5240	27	14.48	17	-2.52
52	5260	27	12.88	24	-11.12
60	5300	27	12.86	24	-11.14
64	5320	27	13.75	24	-10.25
100	5500	27	13.17	24	-10.83
120	5600	27	13.03	24	-10.97
140	5700	27	12.22	24	-11.78

<b>Mode : 802.11 n (HT40) Chain A</b>					
<b>CH</b>	<b>Frq. MHz</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
38	5190	27	11.56	17	-5.44
46	5230	27	12.35	17	-4.65
54	5270	27	12.33	24	-11.67
62	5310	27	11.87	24	-12.13
102	5510	27	11.79	24	-12.21
118	5590	27	12.21	24	-11.79
134	5670	27	11.14	24	-12.86

<b>Mode : 802.11 n (HT40) Chain B</b>					
<b>CH</b>	<b>Frq. MHz</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
38	5190	27	12.67	17	-4.33
46	5230	27	12.75	17	-4.25
54	5270	27	12.31	24	-11.69
62	5310	27	12.99	24	-11.01
102	5510	27	12.42	24	-11.58
118	5590	27	13.42	24	-10.58
134	5670	27	12.57	24	-11.43

<b>Mode : 802.11 n (HT40) Chain C</b>					
<b>CH</b>	<b>Frq. MHz</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
38	5190	27	12.16	17	-4.84
46	5230	27	13.23	17	-3.77
54	5270	27	11.22	24	-12.78
62	5310	27	12.04	24	-11.96
102	5510	27	11.92	24	-12.08
118	5590	27	11.79	24	-12.21
134	5670	27	11.64	24	-12.36

## Dual Tx

Mode : 802.11 n (HT20) A+B							
CH	Freq.	Temp. (°C)	Maximum transmit power (dBm)		Total Power (dBm)	Limit (dBm)	Margin (dB)
			Chain A	Chain B			
36	5180	27	12.18	11.57	14.90	17	-2.10
44	5220	27	12.76	12.15	15.48	17	-1.52
48	5240	27	12.98	12.32	15.67	17	-1.33
52	5260	27	12.94	12.37	15.67	24	-8.33
60	5300	27	12.22	12.40	15.32	24	-8.68
64	5320	27	12.03	12.15	15.10	24	-8.90
100	5500	27	12.22	12.40	15.32	24	-8.68
120	5600	27	12.44	12.66	15.56	24	-8.44
140	5700	27	11.62	12.62	15.16	24	-8.84

Mode : 802.11 n (HT20) B+C							
CH	Freq.	Temp. (°C)	Maximum transmit power (dBm)		Total Power (dBm)	Limit (dBm)	Margin (dB)
			Chain B	Chain C			
36	5180	27	12.44	10.45	14.57	17	-2.43
44	5220	27	12.83	12.22	15.55	17	-1.45
48	5240	27	12.72	11.17	15.02	17	-1.98
52	5260	27	12.68	9.95	14.54	24	-9.46
60	5300	27	12.80	9.33	14.41	24	-9.59
64	5320	27	12.41	10.65	14.63	24	-9.37
100	5500	27	12.79	10.52	14.81	24	-9.19
120	5600	27	13.05	11.64	15.41	24	-8.59
140	5700	27	13.68	11.36	15.68	24	-8.32

<b>Mode : 802.11 n (HT20) A+C</b>							
CH	Freq.	Temp. (°C)	Maximum transmit power (dBm)		Total Power (dBm)	Limit (dBm)	Margin (dB)
			Chain A	Chain C			
36	5180	27	12.55	10.08	14.50	17	-2.50
44	5220	27	12.62	11.64	15.17	17	-1.83
48	5240	27	13.09	10.74	15.08	17	-1.92
52	5260	27	12.65	9.47	14.36	24	-9.64
60	5300	27	12.27	9.24	14.02	24	-9.98
64	5320	27	12.12	10.53	14.41	24	-9.59
100	5500	27	12.59	9.43	14.30	24	-9.70
120	5600	27	12.86	9.31	14.45	24	-9.55
140	5700	27	11.53	8.83	13.40	24	-10.60

<b>Mode : 802.11 n (HT40) A+B</b>							
CH	Freq.	Temp. (°C)	Maximum transmit power (dBm)		Total Power (dBm)	Limit (dBm)	Margin (dB)
			Chain A	Chain B			
38	5190	27	12.03	11.95	15.00	17	-2.00
46	5230	27	12.96	12.36	15.68	17	-1.32
54	5270	27	12.90	12.32	15.63	24	-8.37
62	5310	27	12.55	12.17	15.37	24	-8.63
102	5510	27	12.19	12.33	15.27	24	-8.73
118	5590	27	12.73	12.93	15.84	24	-8.16
134	5670	27	11.51	12.39	14.98	24	-9.02

<b>Mode : 802.11 n (HT40) B+C</b>							
CH	Freq.	Temp. (°C)	Maximum transmit power (dBm)		Total Power (dBm)	Limit (dBm)	Margin (dB)
			Chain B	Chain C			
38	5190	27	13.00	11.09	15.16	17	-1.84
46	5230	27	13.03	12.13	15.61	17	-1.39
54	5270	27	13.05	10.16	14.85	24	-9.15
62	5310	27	13.26	10.87	15.24	24	-8.76
102	5510	27	13.09	9.77	14.75	24	-9.25
118	5590	27	13.48	9.20	14.86	24	-9.14
134	5670	27	13.16	8.63	14.47	24	-9.53

<b>Mode : 802.11 n (HT40) A+C</b>							
<b>CH</b>	<b>Freq.</b>	<b>Temp. (°C)</b>	<b>Maximum transmit power (dBm)</b>		<b>Total Power (dBm)</b>	<b>Limit (dBm)</b>	<b>Margin (dB)</b>
			<b>Chain A</b>	<b>Chain C</b>			
38	5190	27	13.56	11.52	15.67	17	-1.33
46	5230	27	13.77	11.96	15.97	17	-1.03
54	5270	27	13.97	9.69	15.35	24	-8.65
62	5310	27	13.47	10.85	15.36	24	-8.64
102	5510	27	13.53	10.56	15.30	24	-8.70
118	5590	27	14.03	8.81	15.17	24	-8.83
134	5670	27	12.96	8.52	14.29	24	-9.71



### Triple Tx

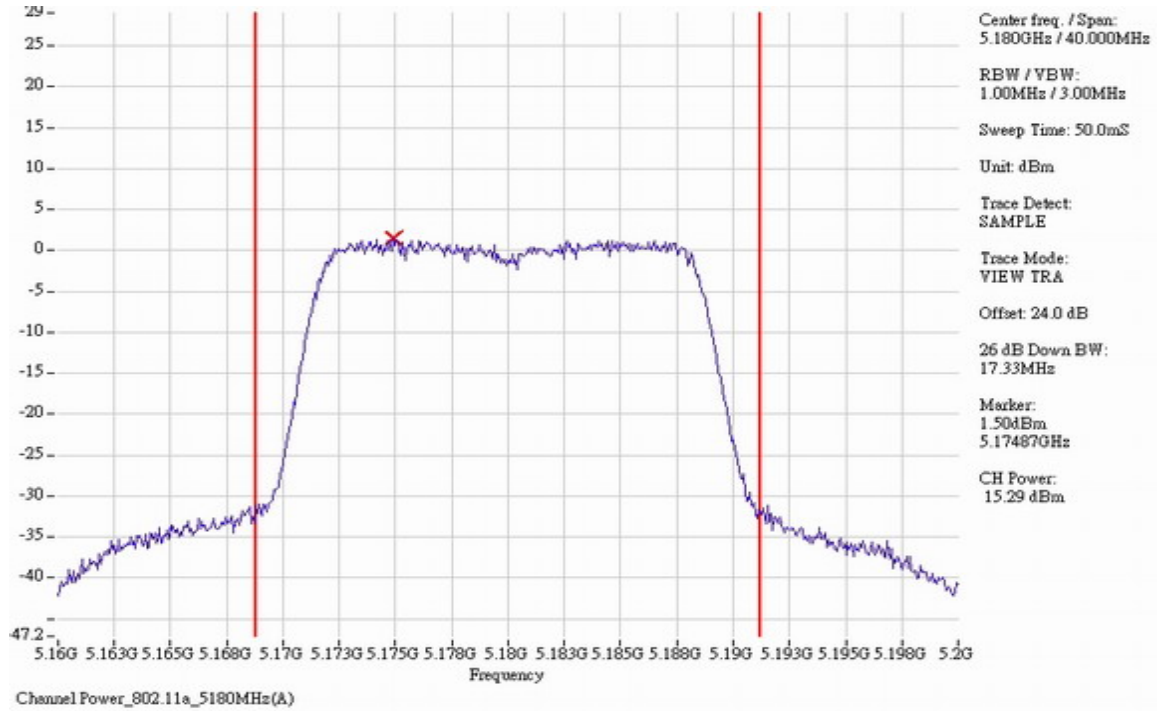
Mode : 802.11 n (HT20) A+B+C								
CH	Freq.	Temp. (°C)	Maximum transmit power (dBm)			Total Power (dBm)	Limit (dBm)	Margin (dB)
			Chain A	Chain B	Chain C			
36	5180	27	12.71	11.44	8.43	15.97	17.00	-1.03
44	5220	27	12.42	11.98	10.37	16.45	17.00	-0.55
48	5240	27	12.60	11.71	9.41	16.21	17.00	-0.79
52	5260	27	12.99	12.10	7.97	16.27	24.00	-7.73
60	5300	27	12.14	12.08	7.71	15.84	24.00	-8.16
64	5320	27	11.98	11.64	8.75	15.78	24.00	-8.22
100	5500	27	12.00	11.28	9.11	15.73	24.00	-8.27
120	5600	27	12.19	11.78	10.39	16.29	24.00	-7.71
140	5700	27	11.21	11.97	9.50	15.78	24.00	-8.22

Mode : 802.11 n (HT40) A+B+C								
CH	Freq.	Temp. (°C)	Maximum transmit power (dBm)			Total Power (dBm)	Limit (dBm)	Margin (dB)
			Chain A	Chain B	Chain C			
38	5190	27	11.98	12.07	10.59	16.37	17.00	-0.63
46	5230	27	12.55	12.03	10.16	16.47	17.00	-0.53
54	5270	27	12.56	12.38	8.92	16.35	24.00	-7.65
62	5310	27	12.16	11.69	9.62	16.06	24.00	-7.94
102	5510	27	11.73	11.39	9.93	15.86	24.00	-8.14
118	5590	27	12.27	11.79	10.51	16.36	24.00	-7.64
134	5670	27	11.09	12.03	10.36	15.99	24.00	-8.01

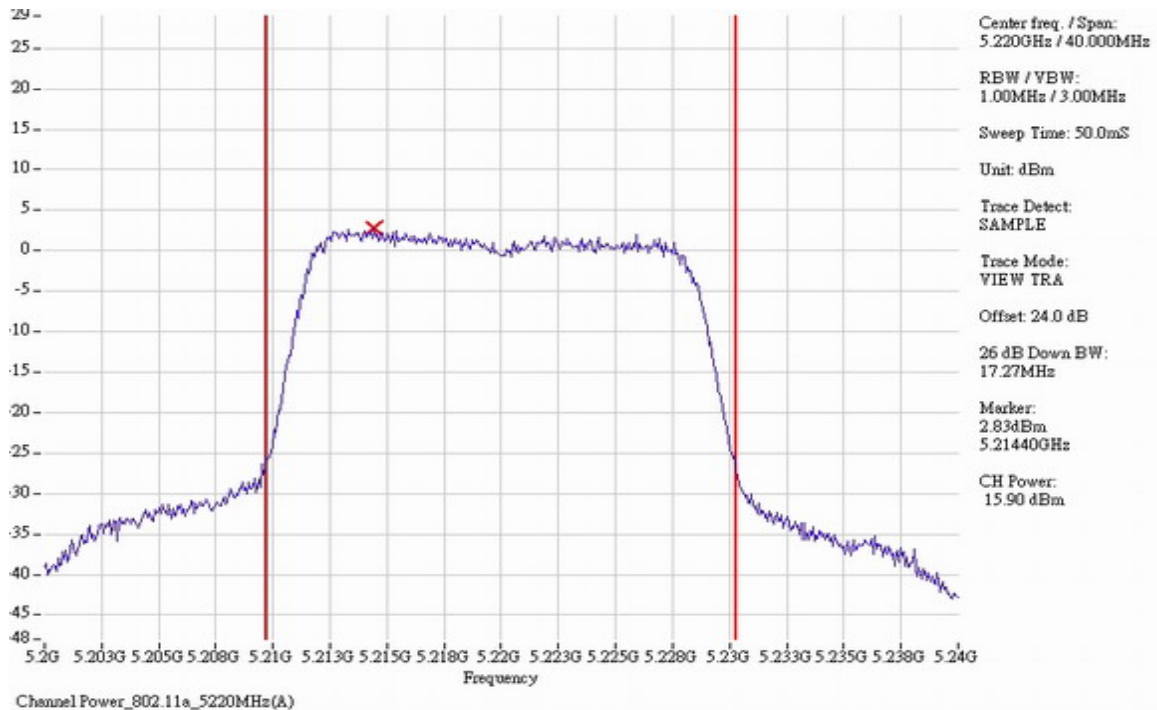
# Peak output power test

## Single Tx

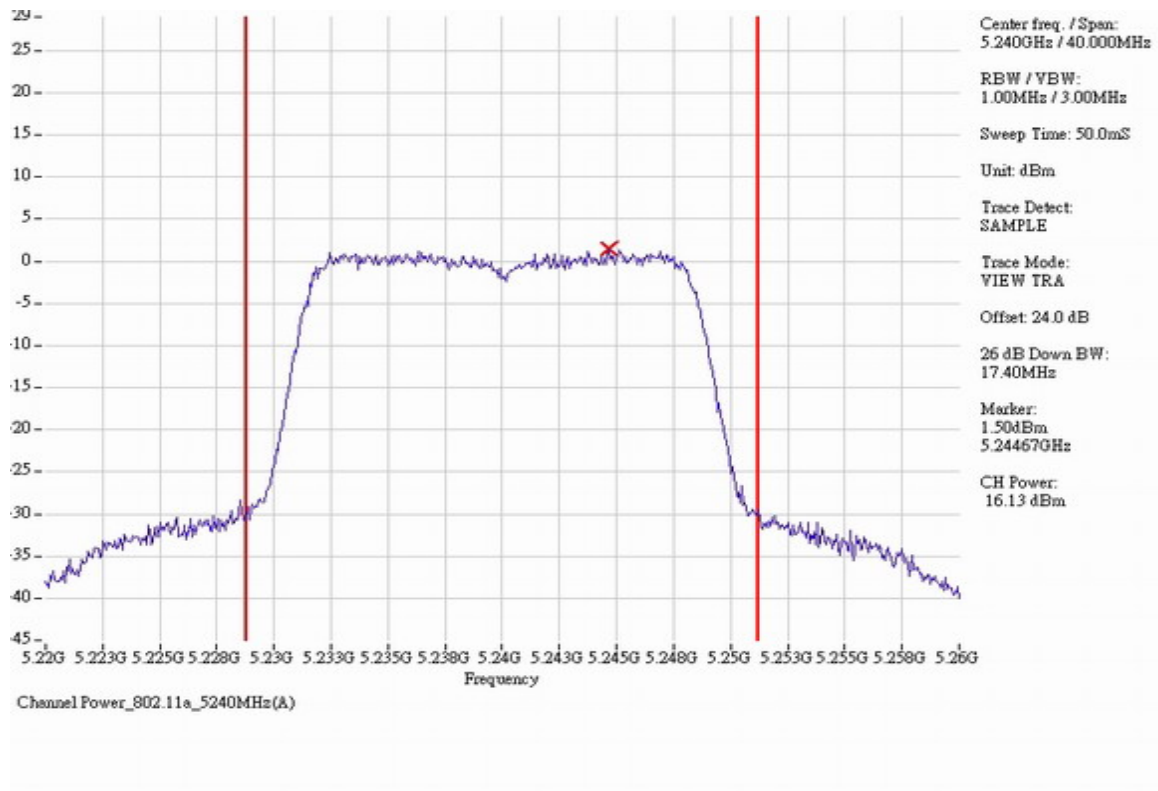
### 802.11 a Chain A CH36 5180MHz



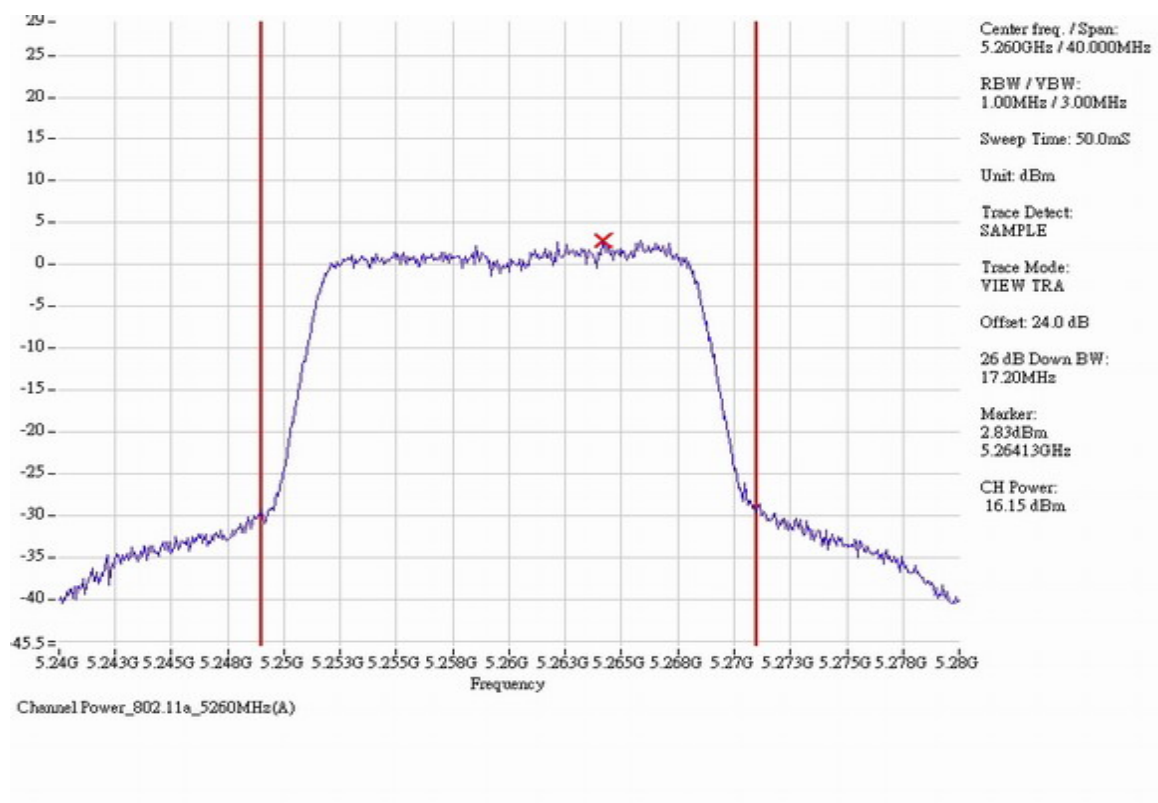
### 802.11 a Chain A CH44 5220MHz



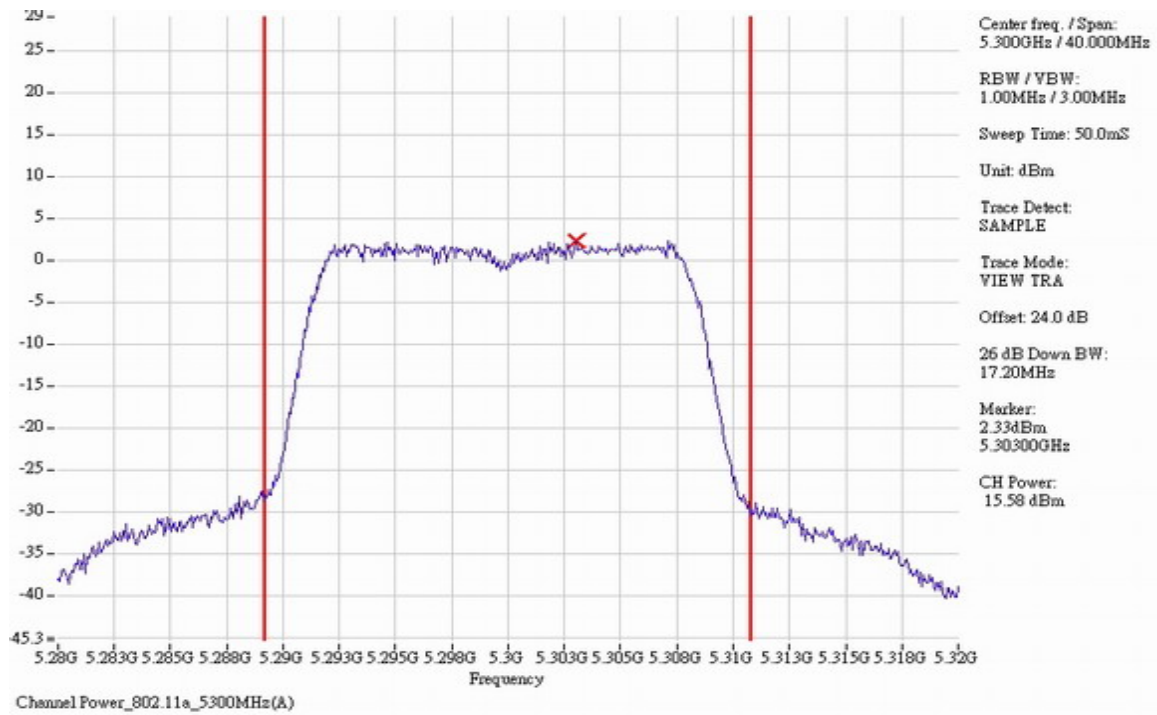
### 802.11 a Chain A CH48 5240MHz



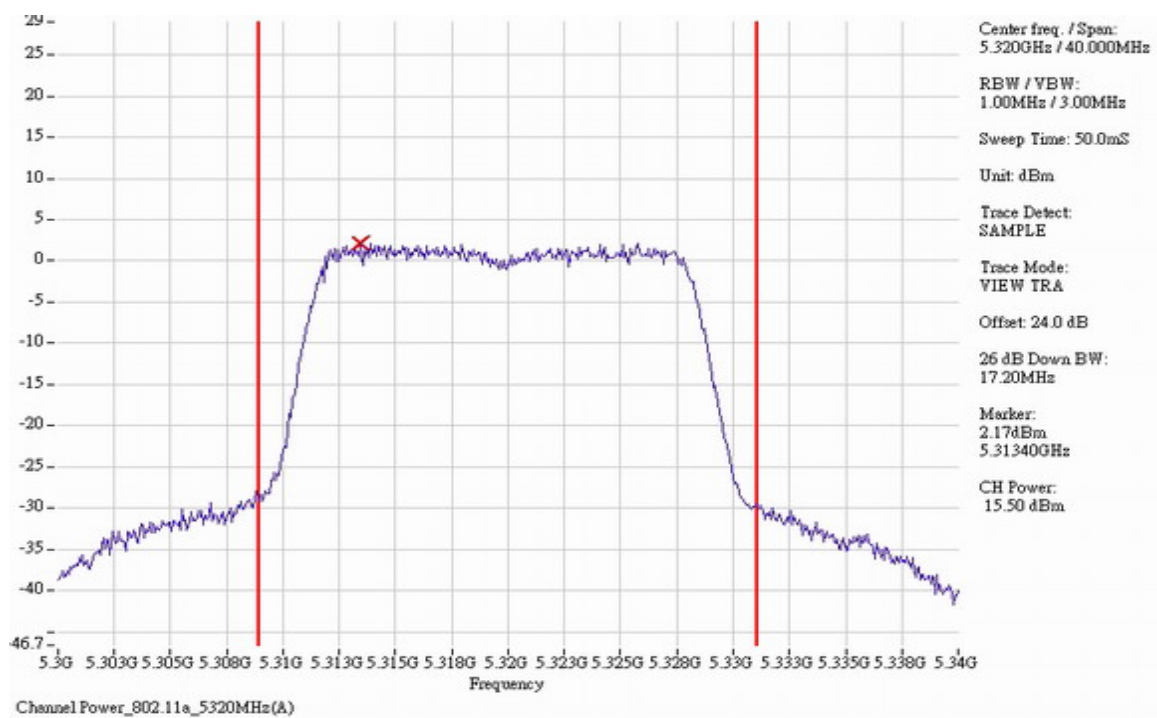
### 802.11 a Chain A CH52 5260MHz



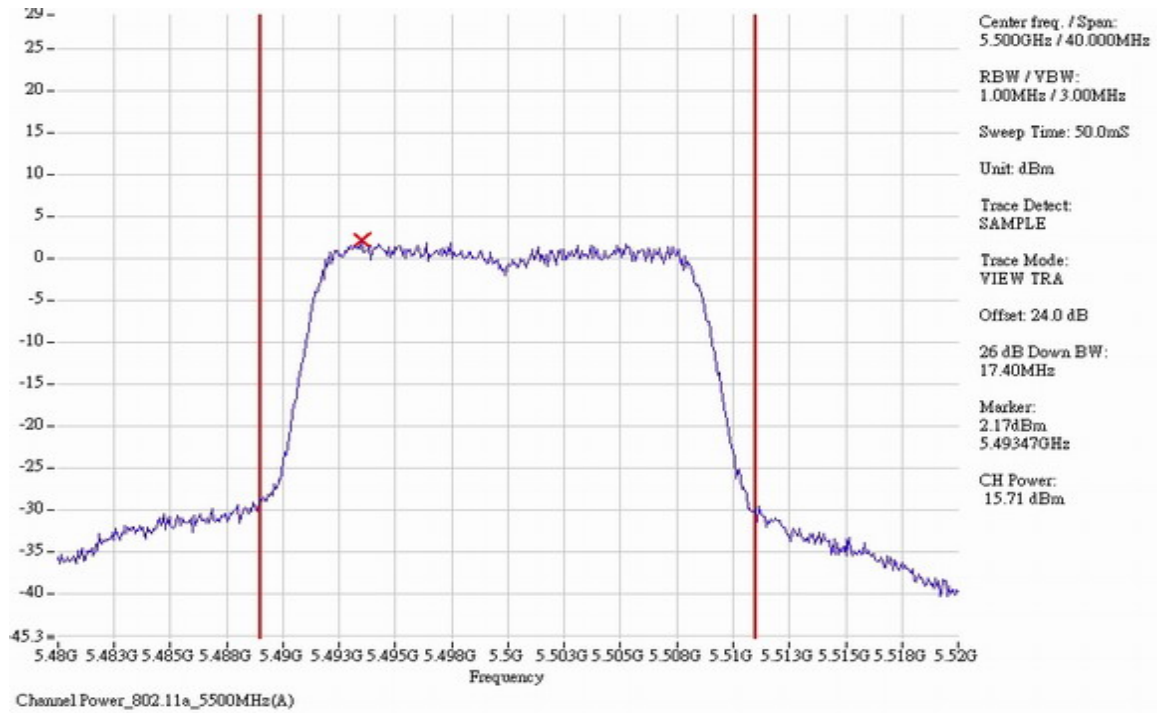
### 802.11 a Chain A CH60 5300MHz



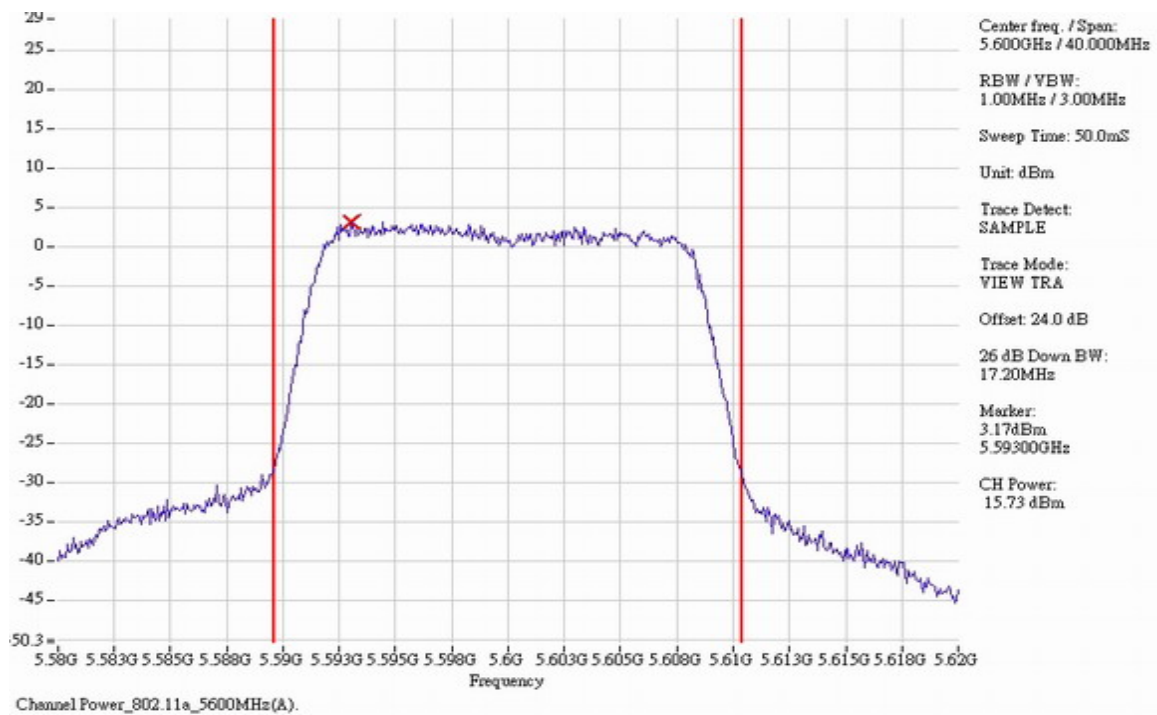
### 802.11 a Chain A CH64 5320MHz



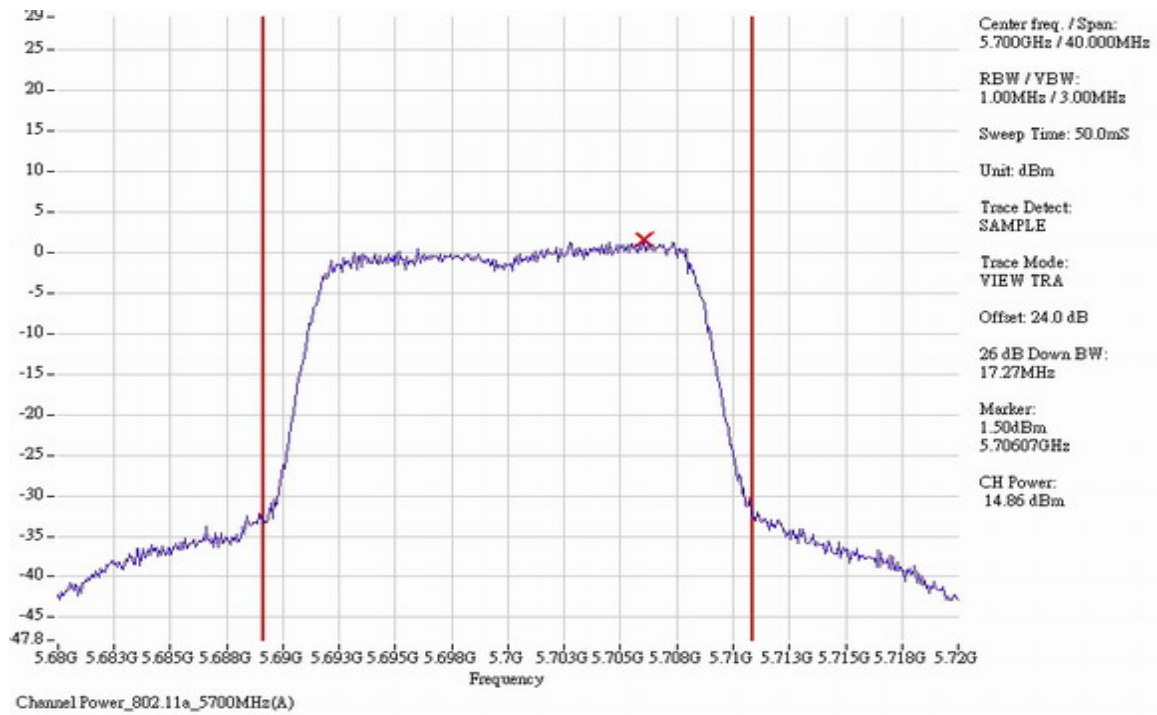
### 802.11 a Chain A CH100 5500MHz



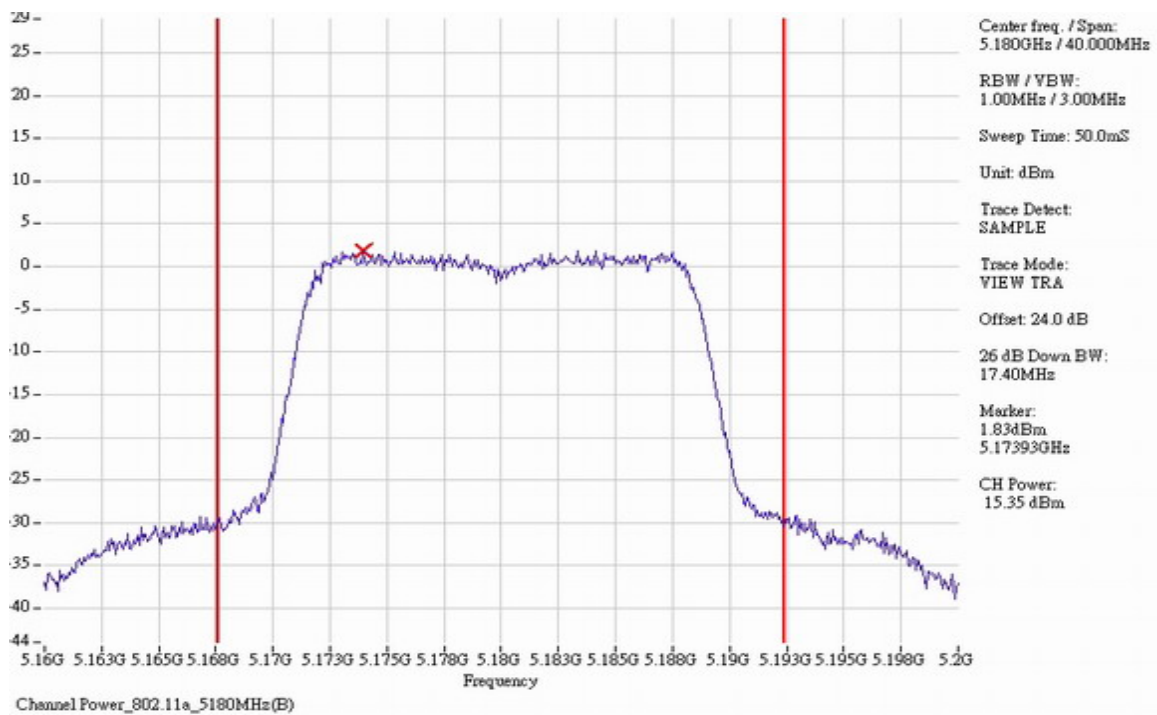
### 802.11 a Chain A CH120 5600MHz



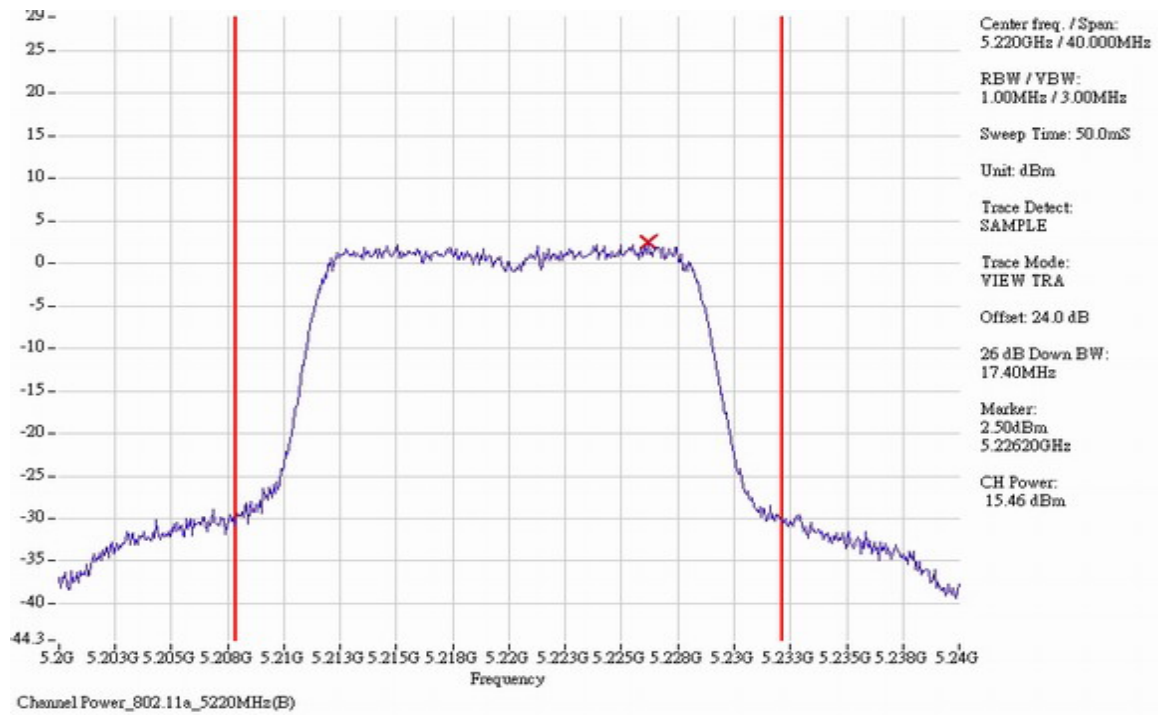
### 802.11 a Chain A CH140 5700MHz



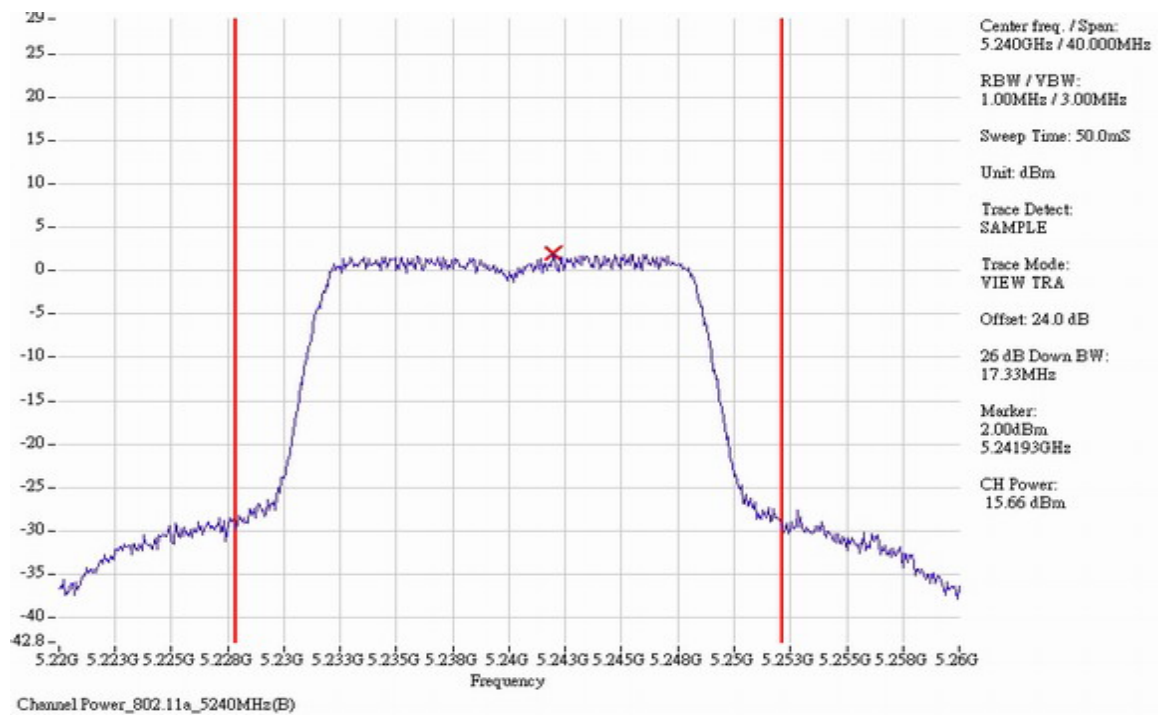
### 802.11 a Chain B CH36 5180MHz



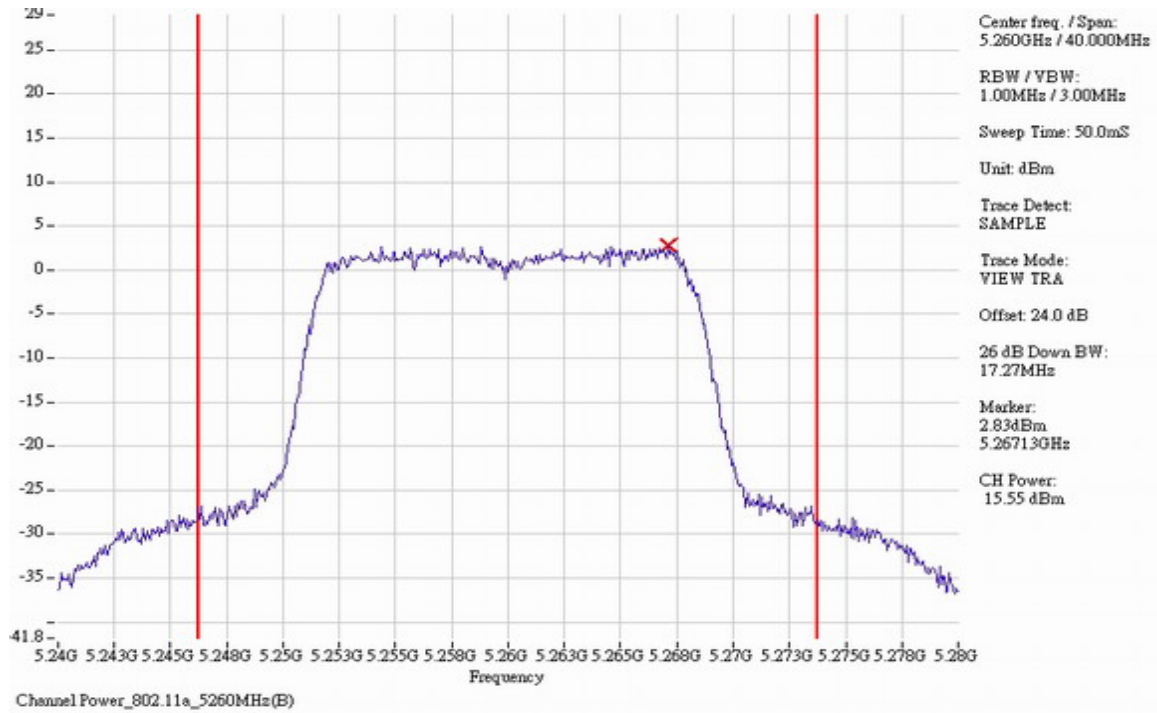
### 802.11 a Chain B CH44 5220MHz



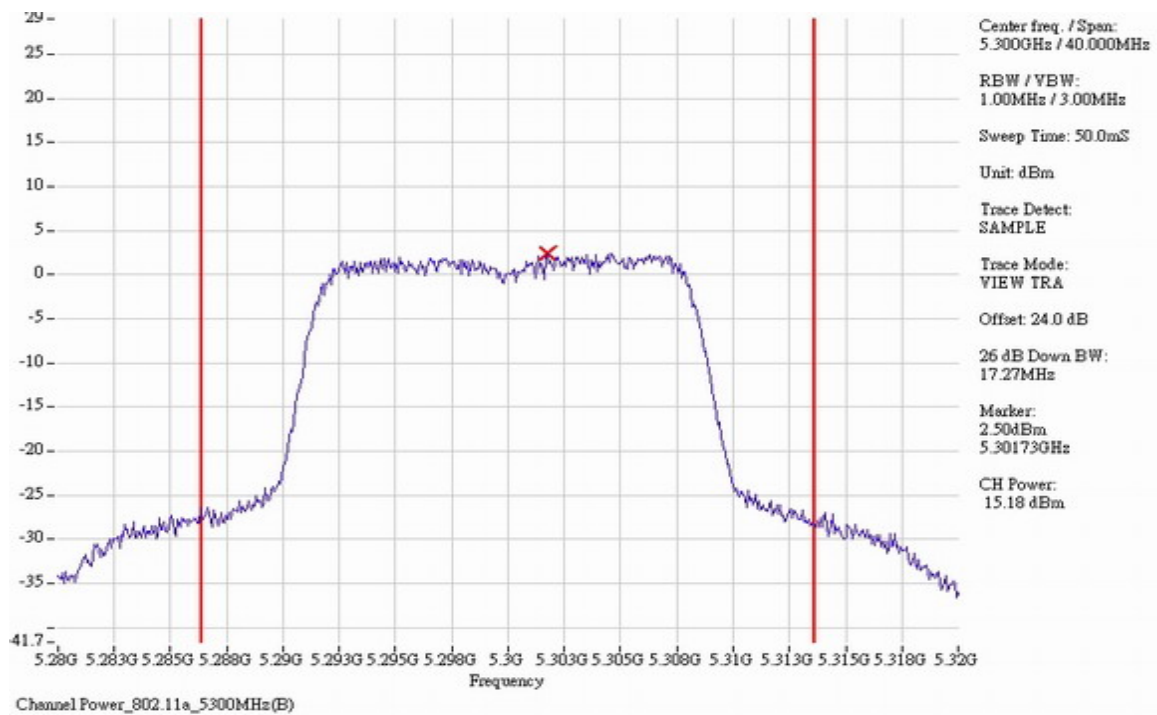
### 802.11 a Chain B CH48 5240MHz



### 802.11 a Chain B CH52 5260MHz

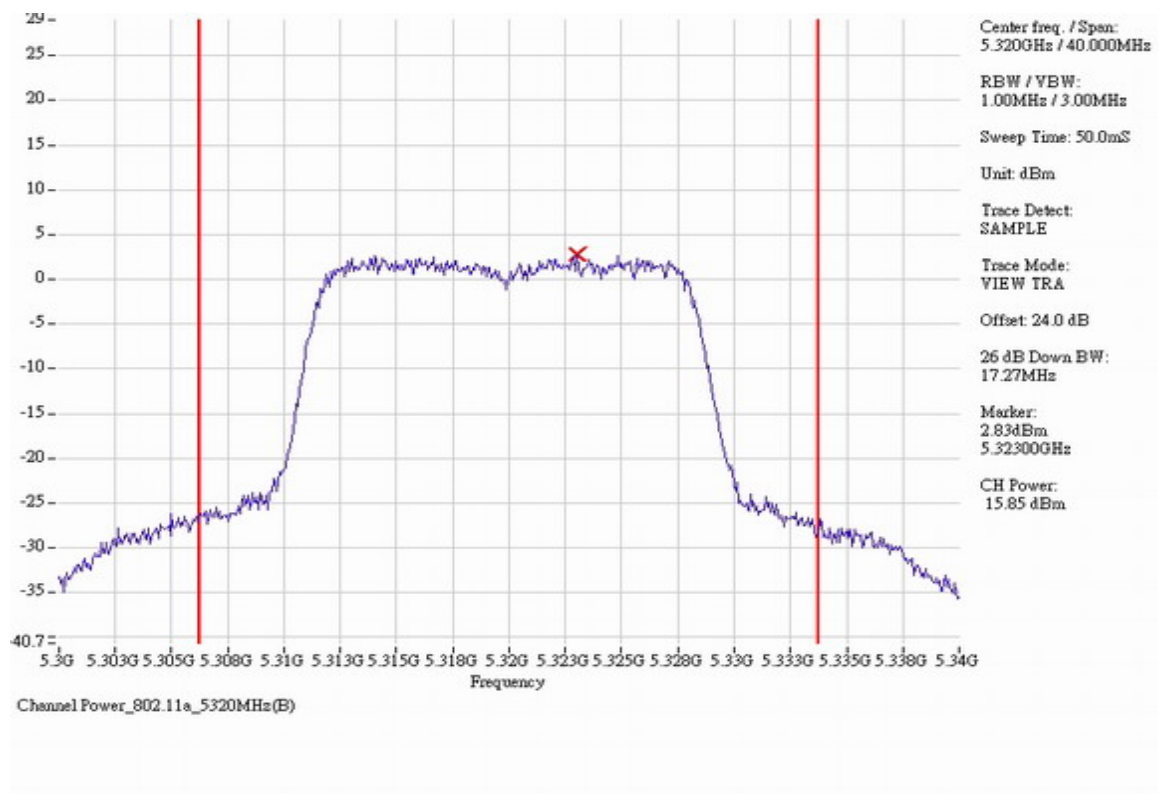


### 802.11 a Chain B CH60 5300MHz

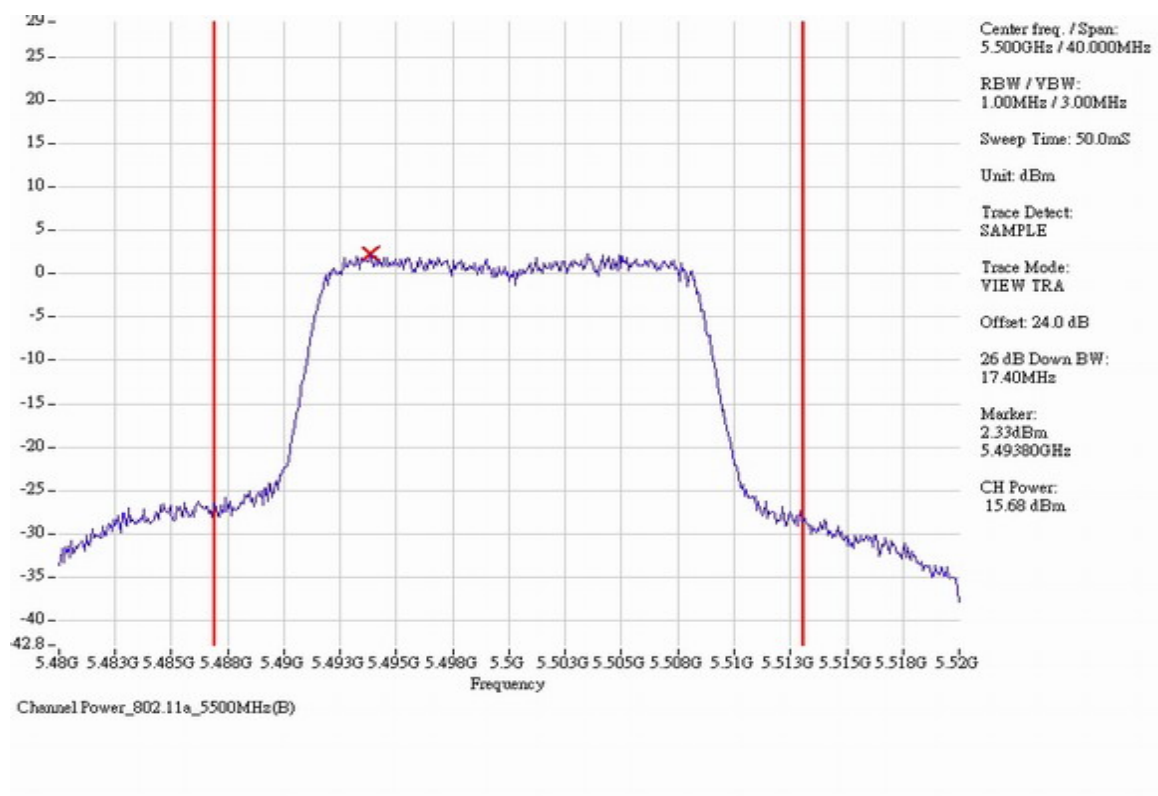




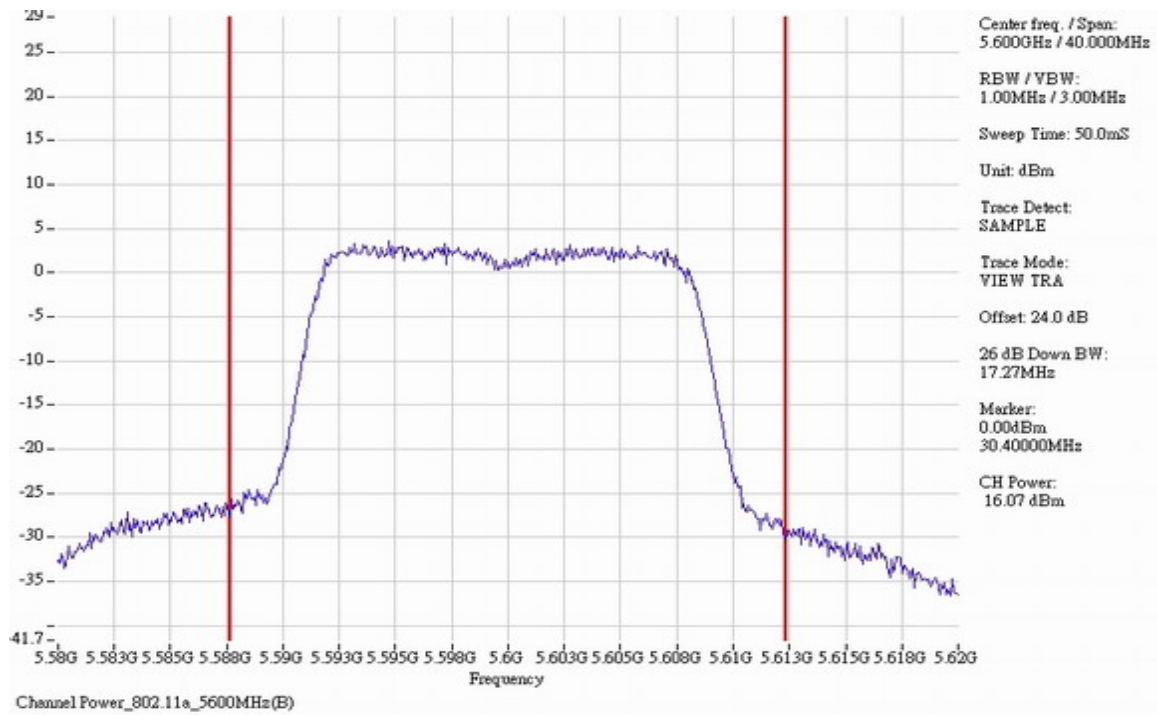
### 802.11 a Chain B CH64 5320MHz



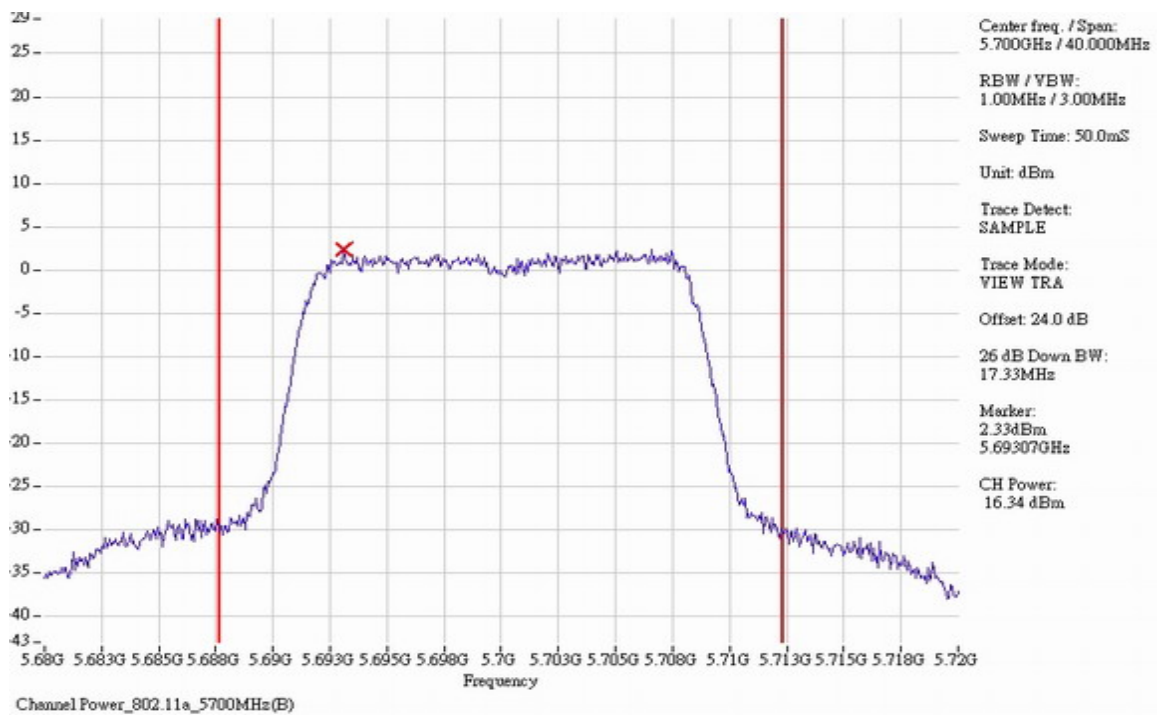
### 802.11 a Chain B CH100 5500MHz



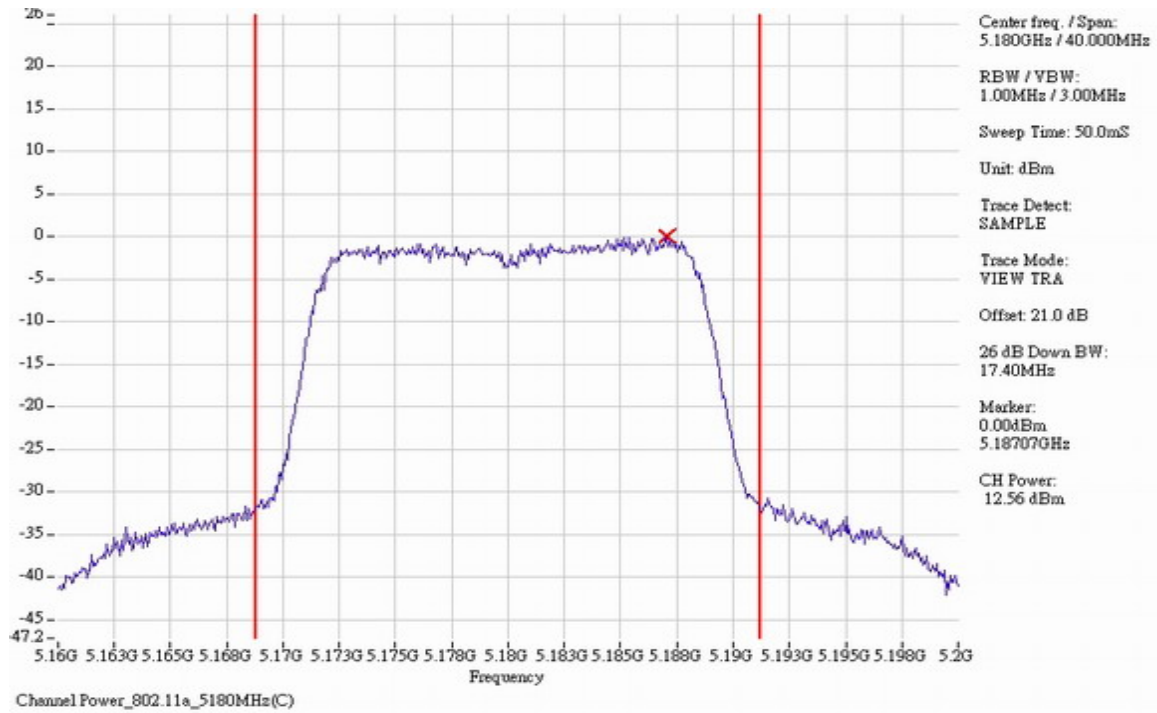
### 802.11 a Chain B CH120 5600MHz



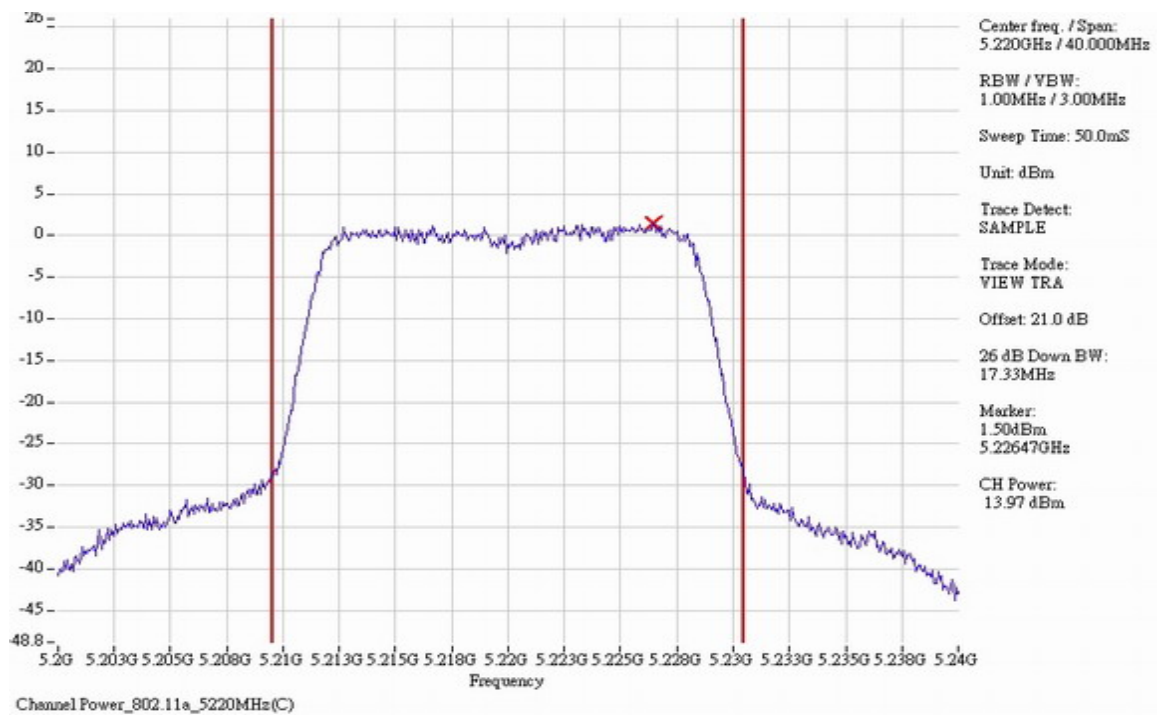
### 802.11 a Chain B CH140 5700MHz



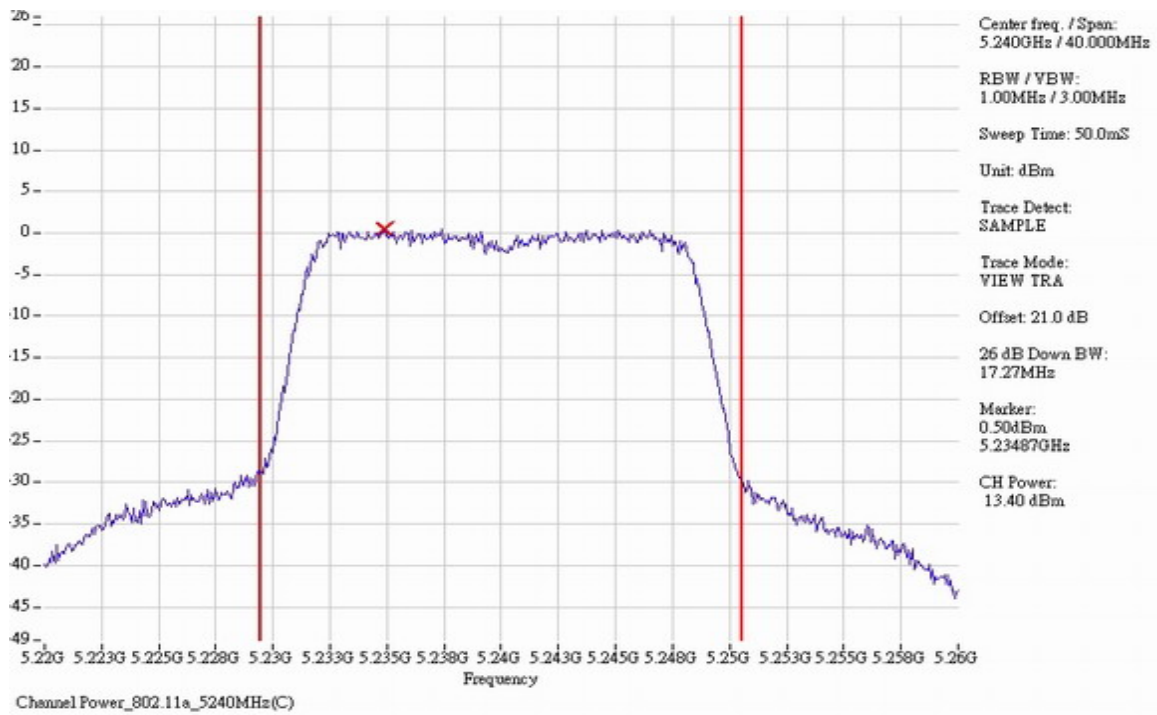
### 802.11 a Chain C CH36 5180MHz



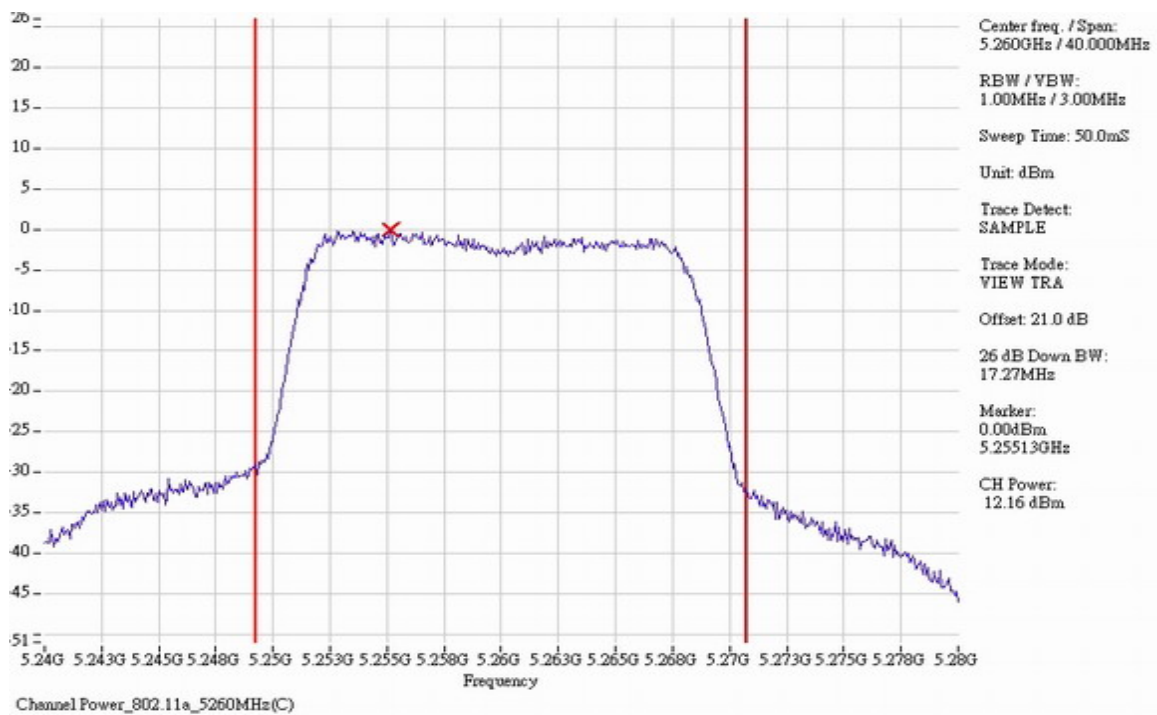
### 802.11 a Chain C CH44 5220MHz



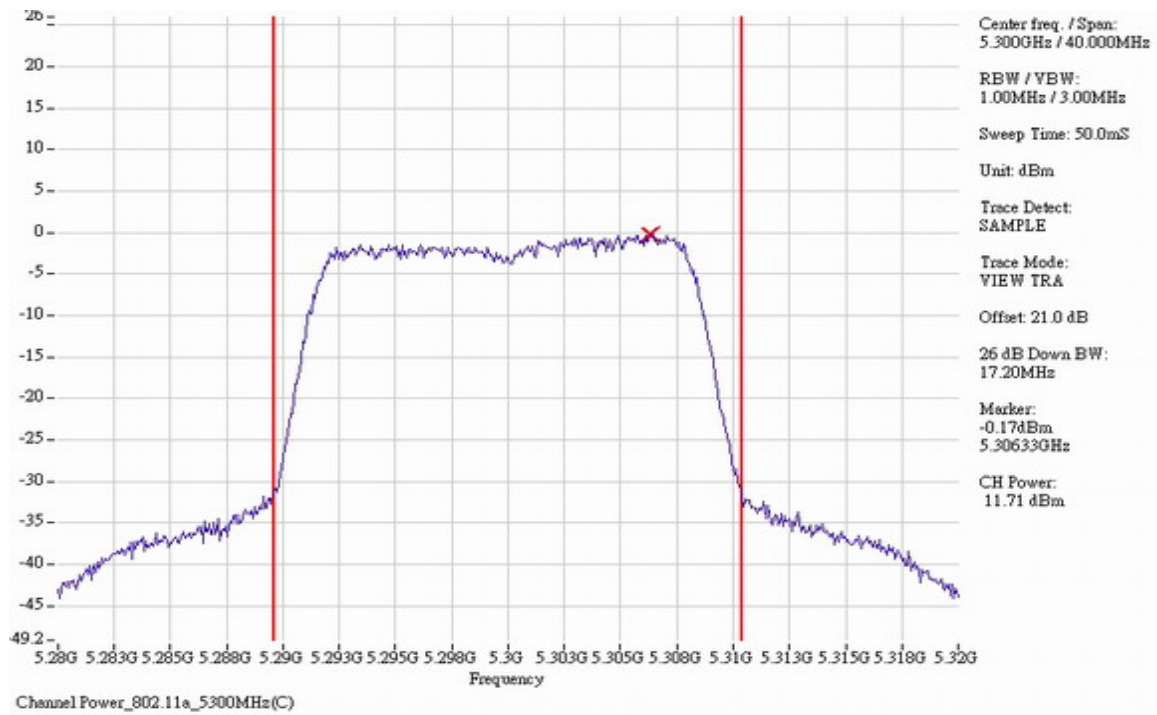
### 802.11 a Chain C CH48 5240MHz



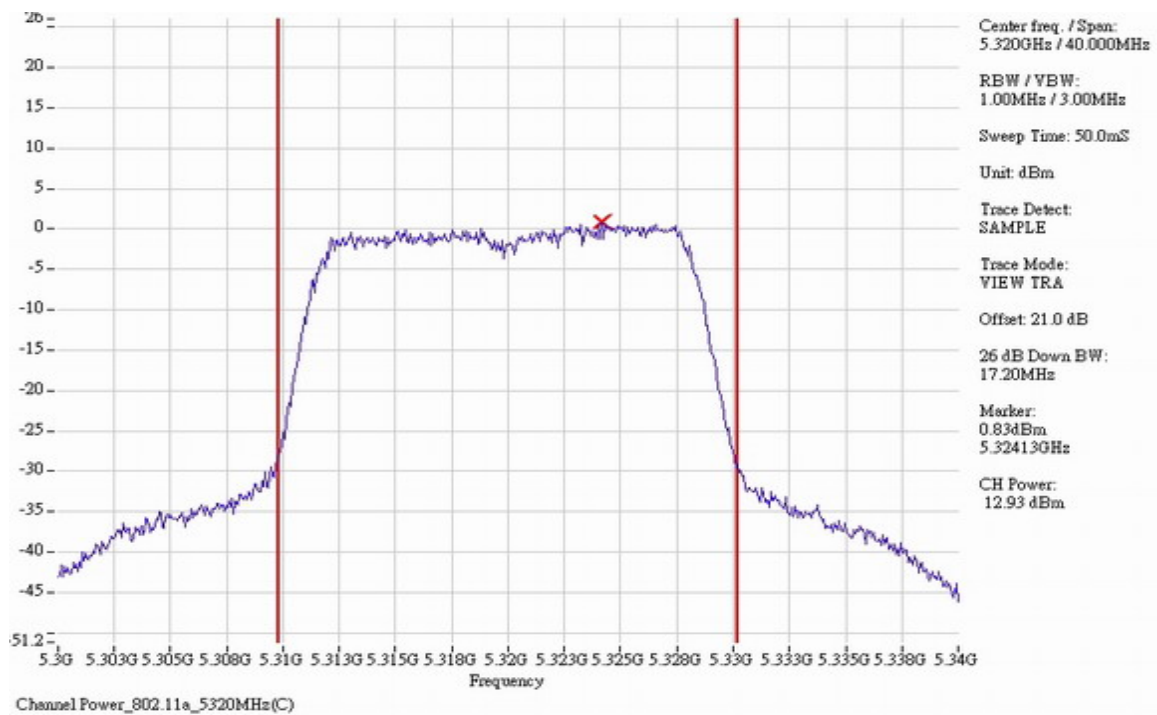
### 802.11 a Chain C CH52 5260MHz



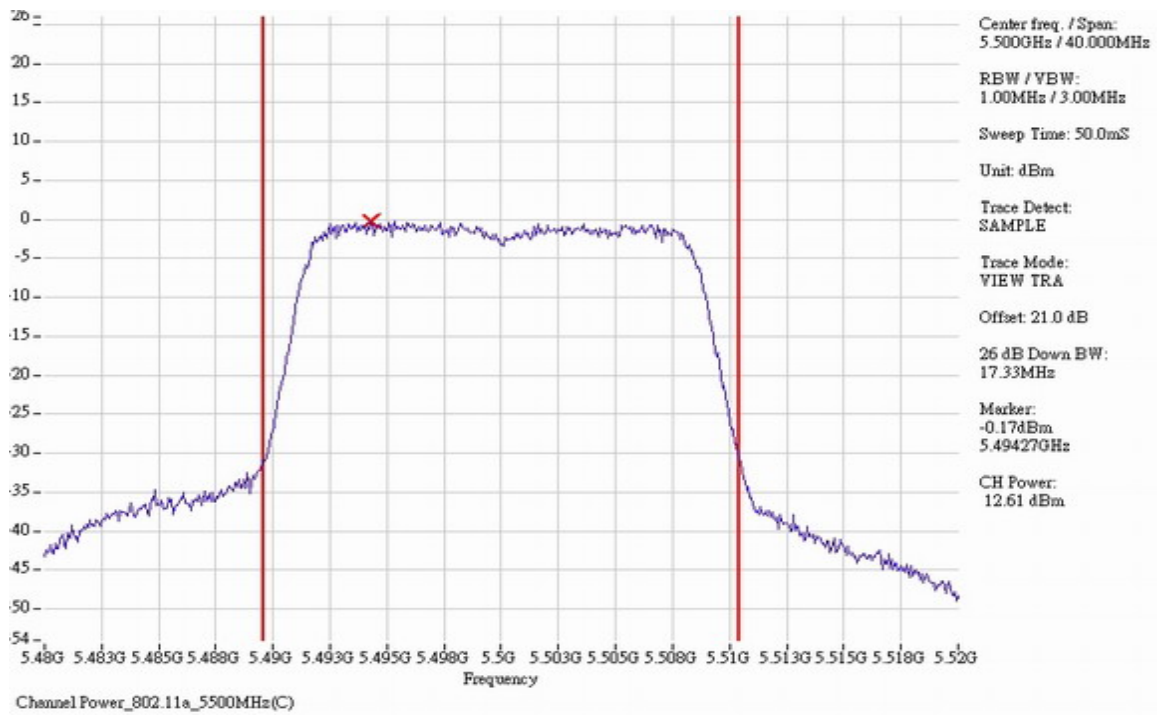
### 802.11 a Chain C CH60 5300MHz



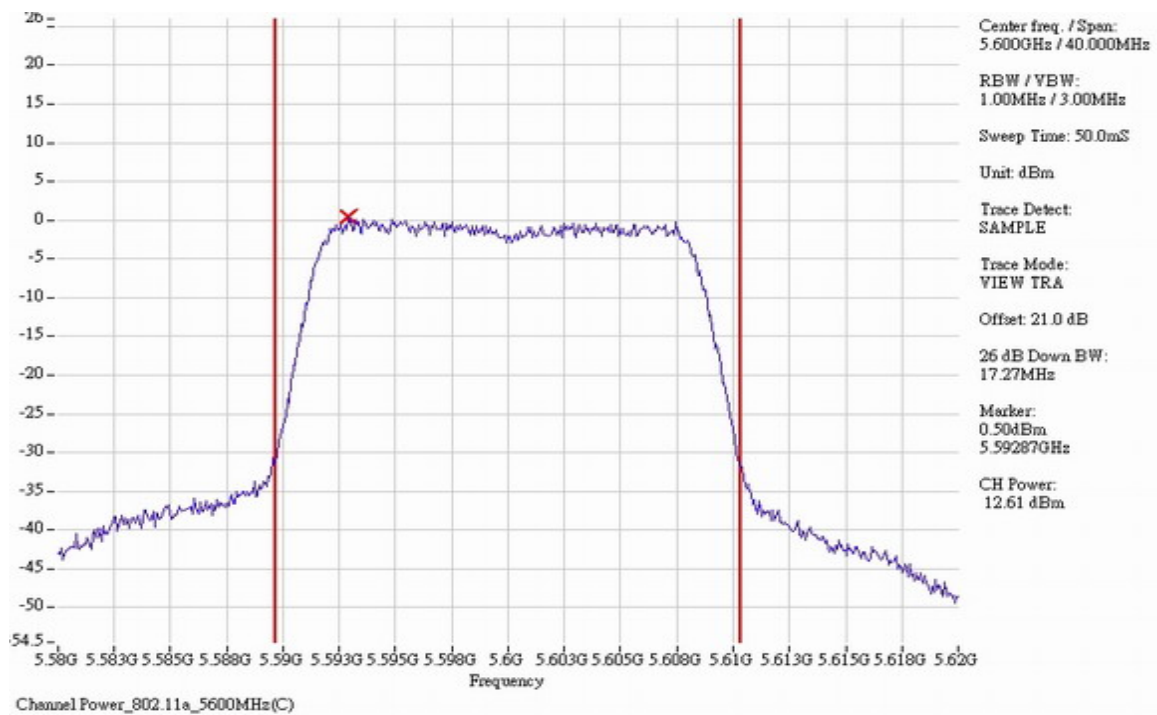
### 802.11 a Chain C CH64 5320MHz



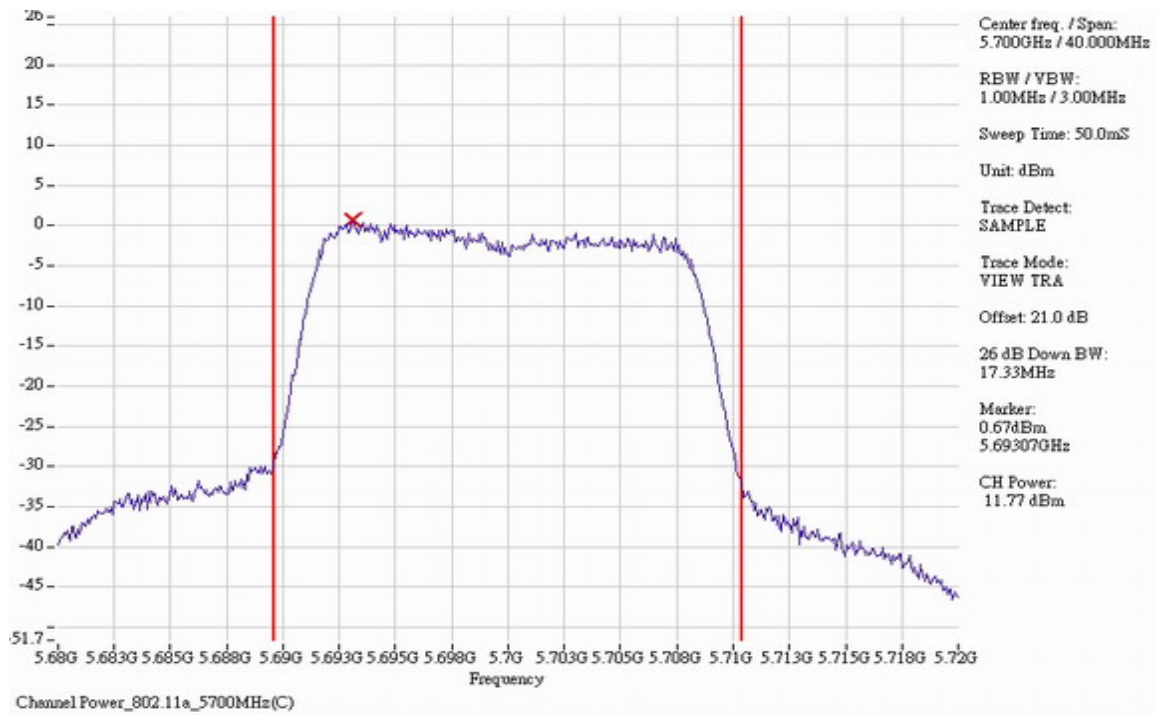
### 802.11 a Chain C CH100 5500MHz



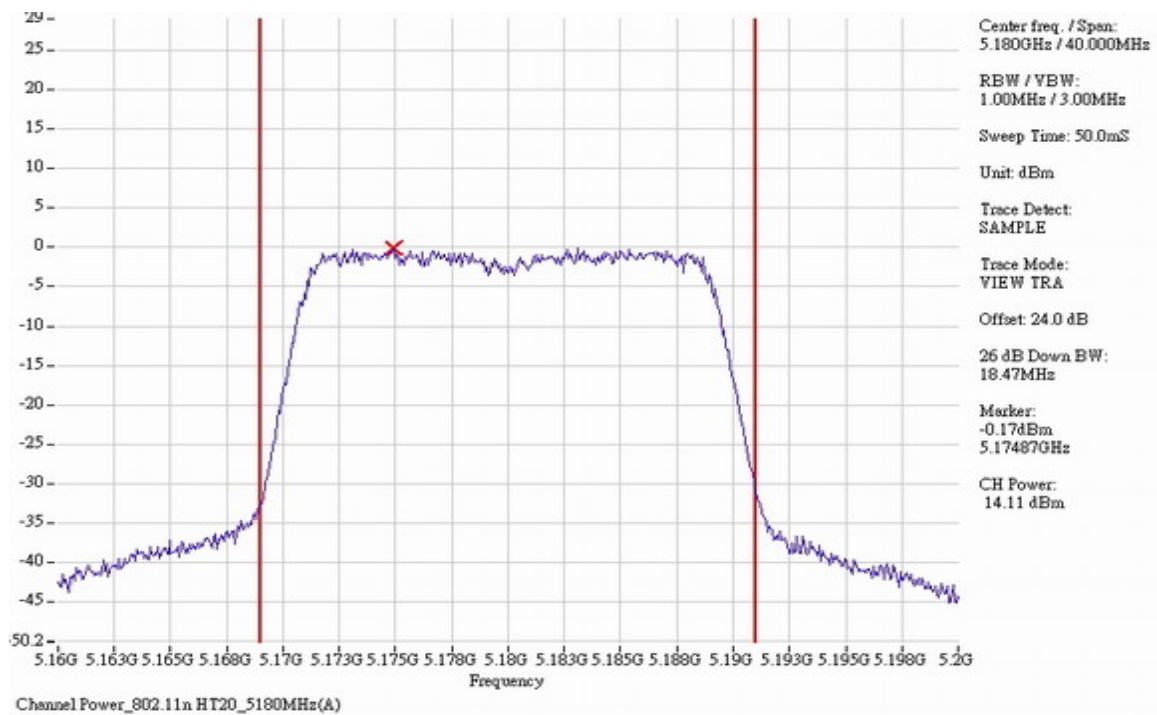
### 802.11 a Chain C CH120 5600MHz



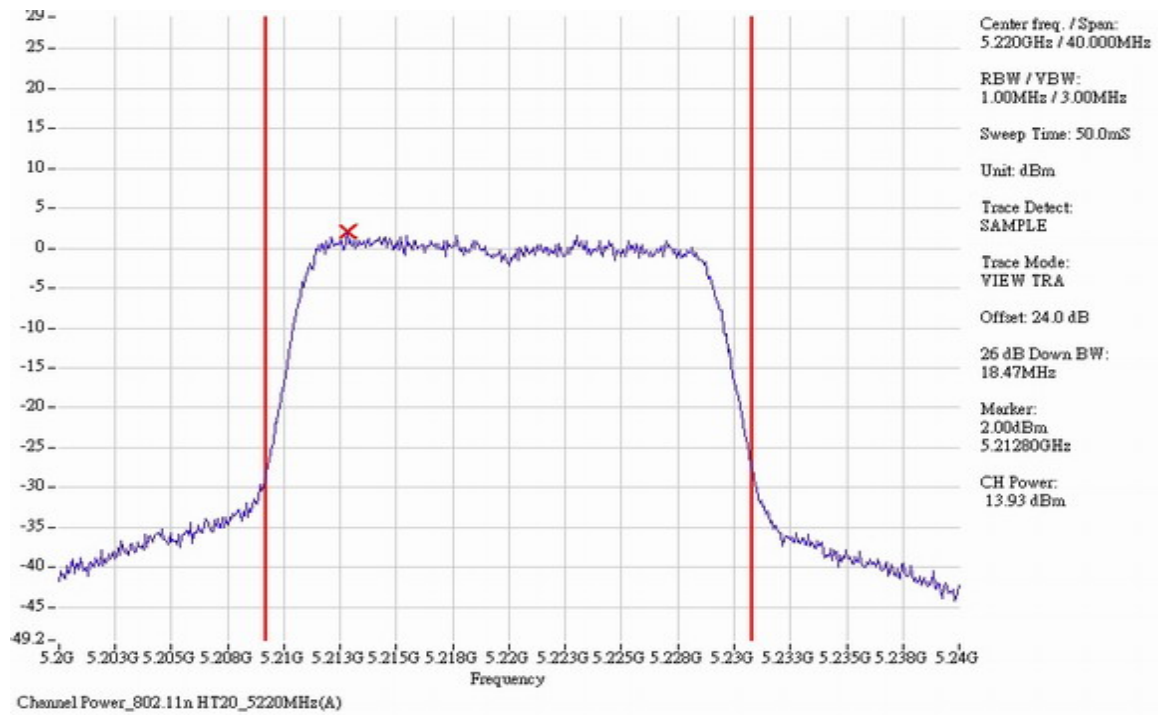
### 802.11 a Chain C CH140 5700MHz



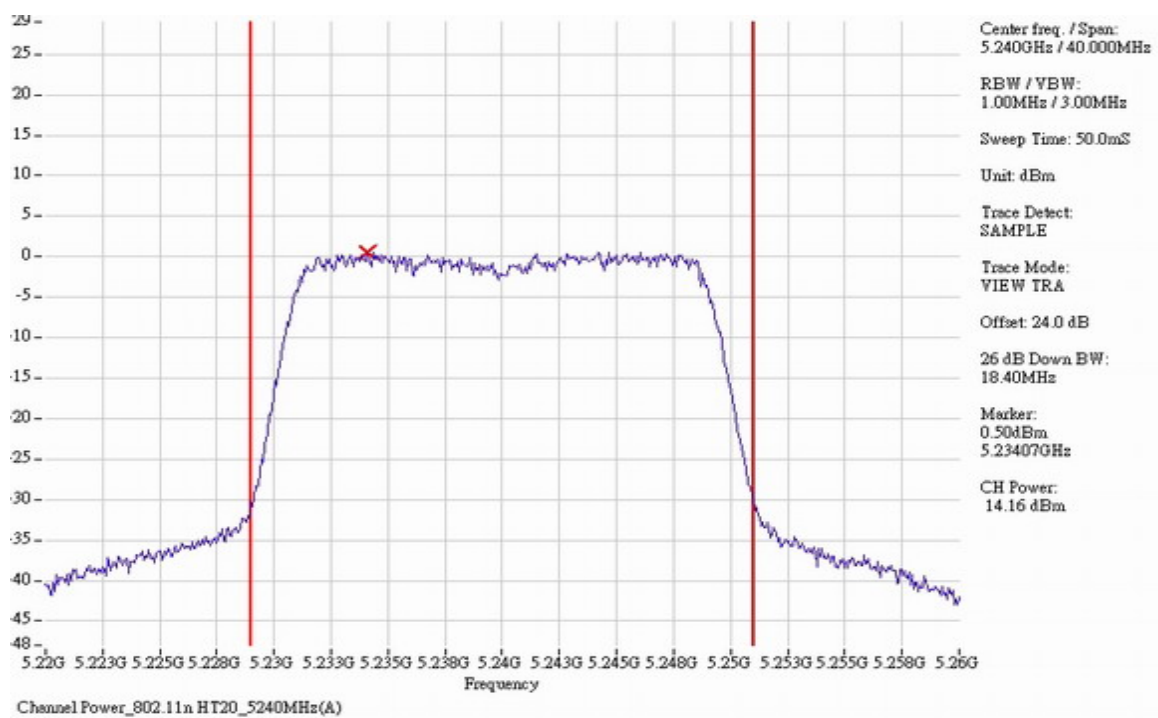
### 802.11 n (HT20) Chain A CH36 5180MHz



### 802.11 n (HT20) Chain A CH44 5220MHz

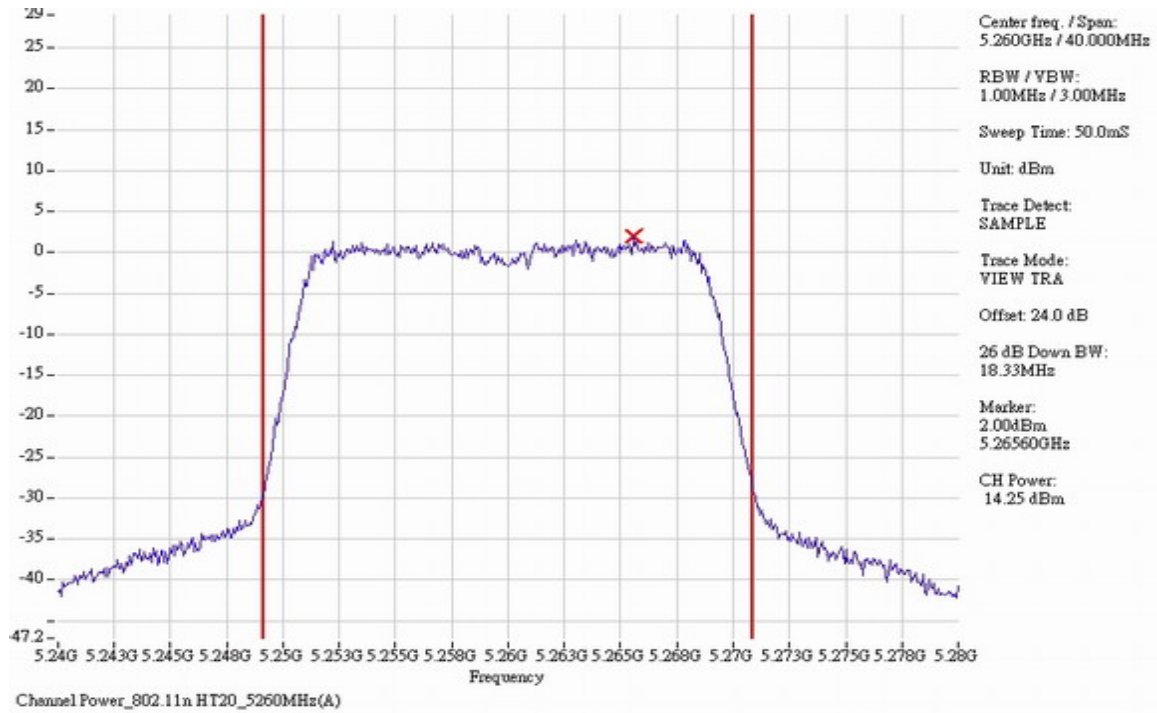


### 802.11 n (HT20) Chain A CH48 5240MHz

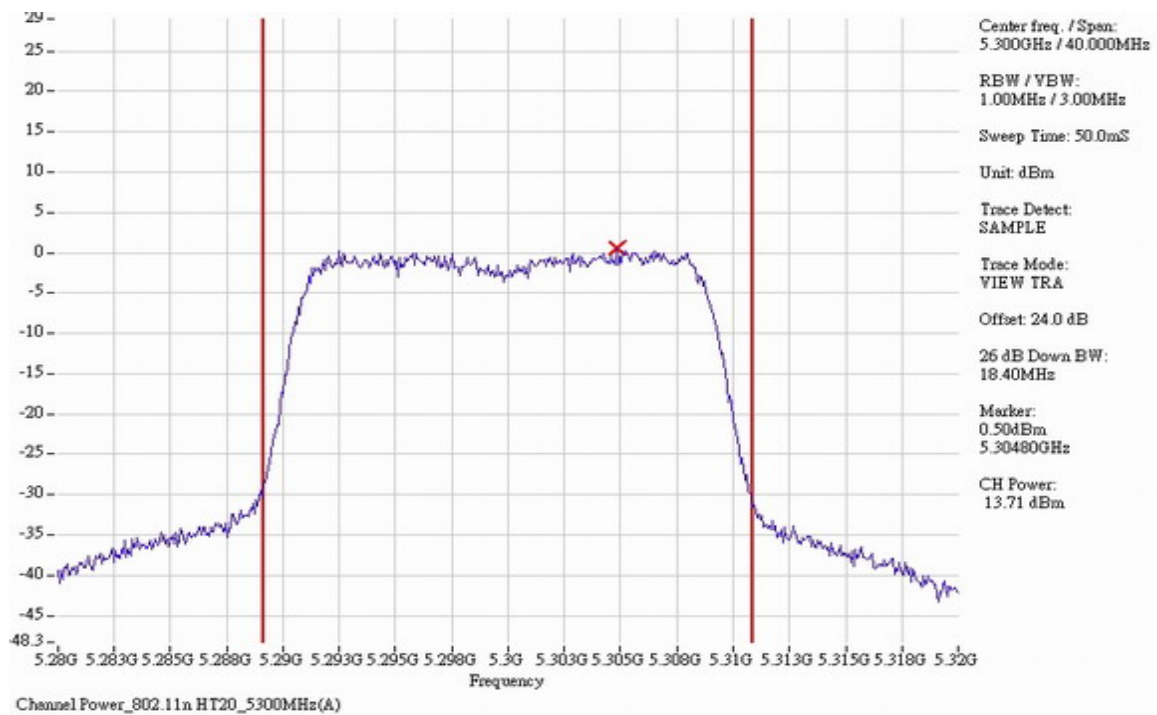




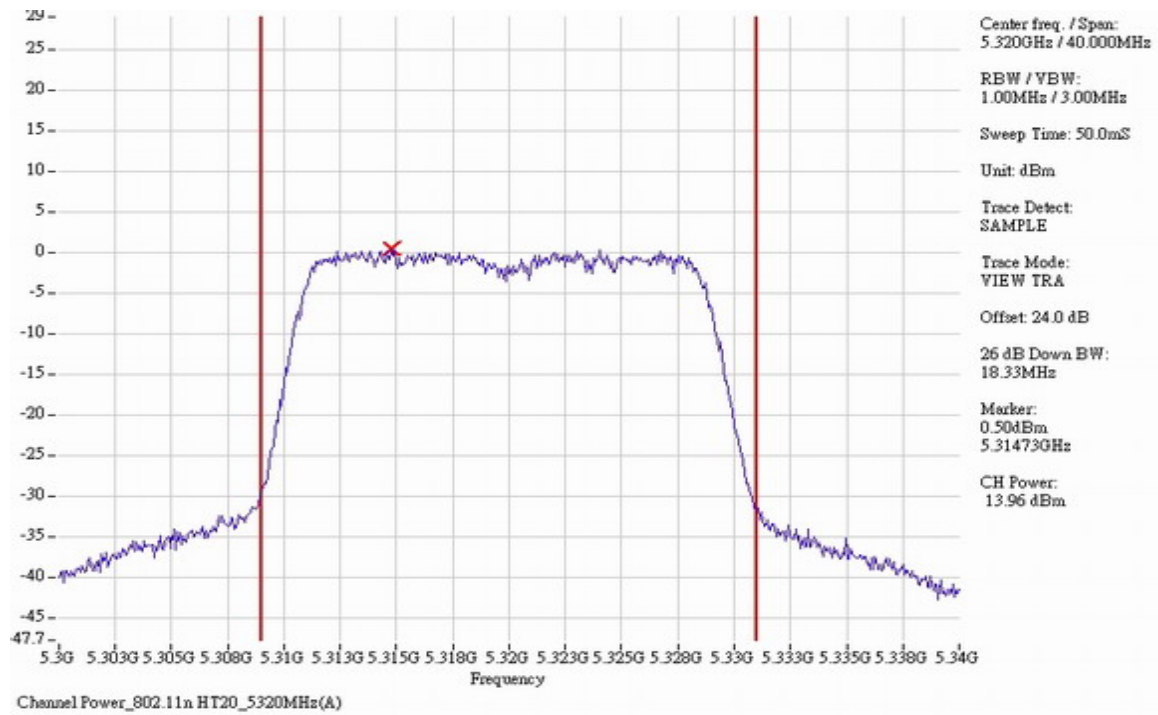
### 802.11 n (HT20) Chain A CH52 5260MHz



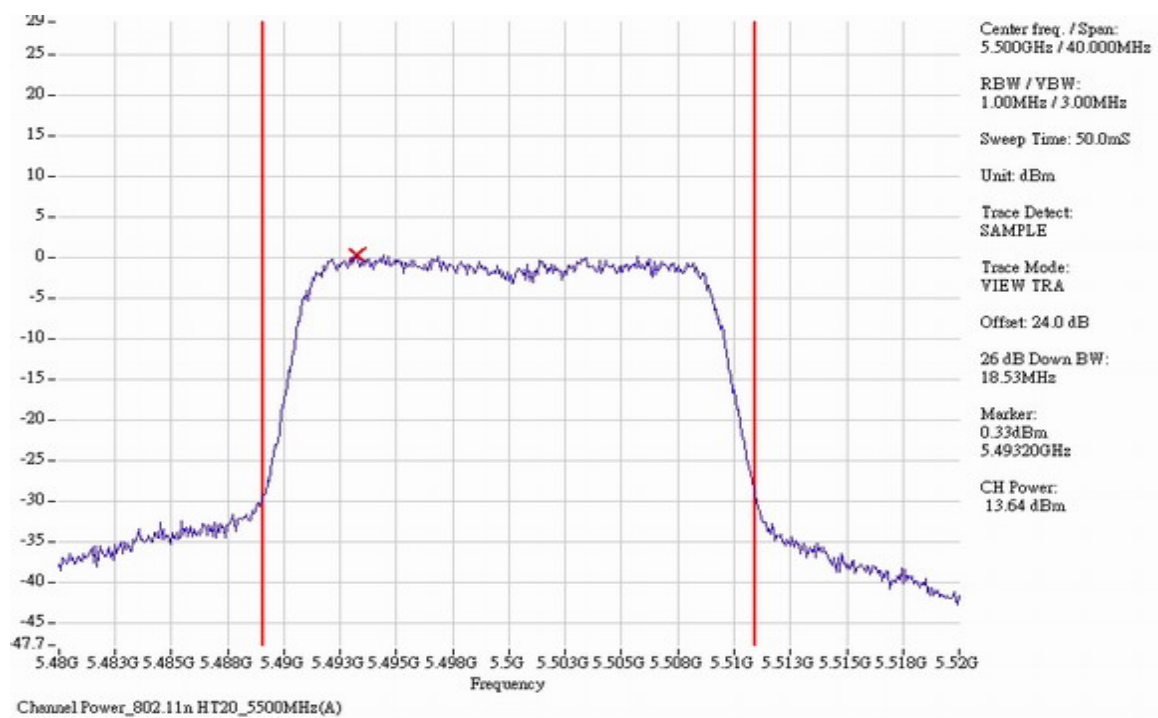
### 802.11 n (HT20) Chain A CH60 5300MHz



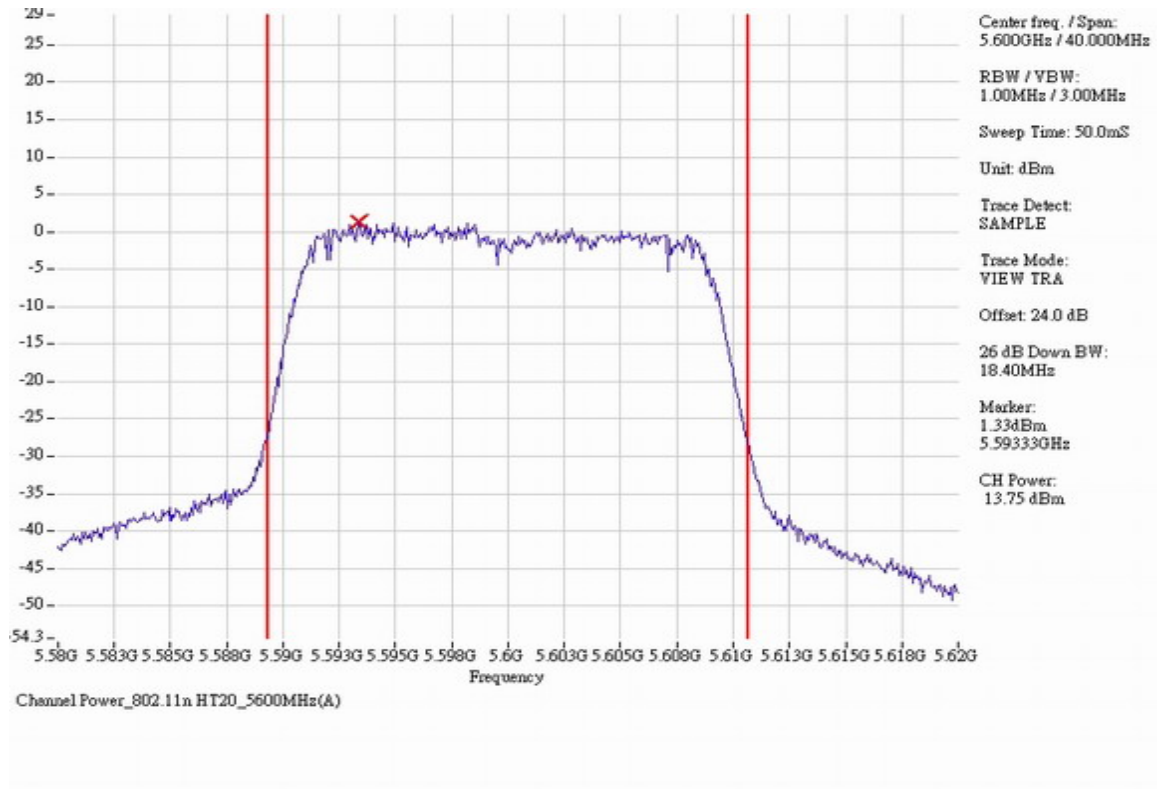
### 802.11 n (HT20) Chain A CH64 5320MHz



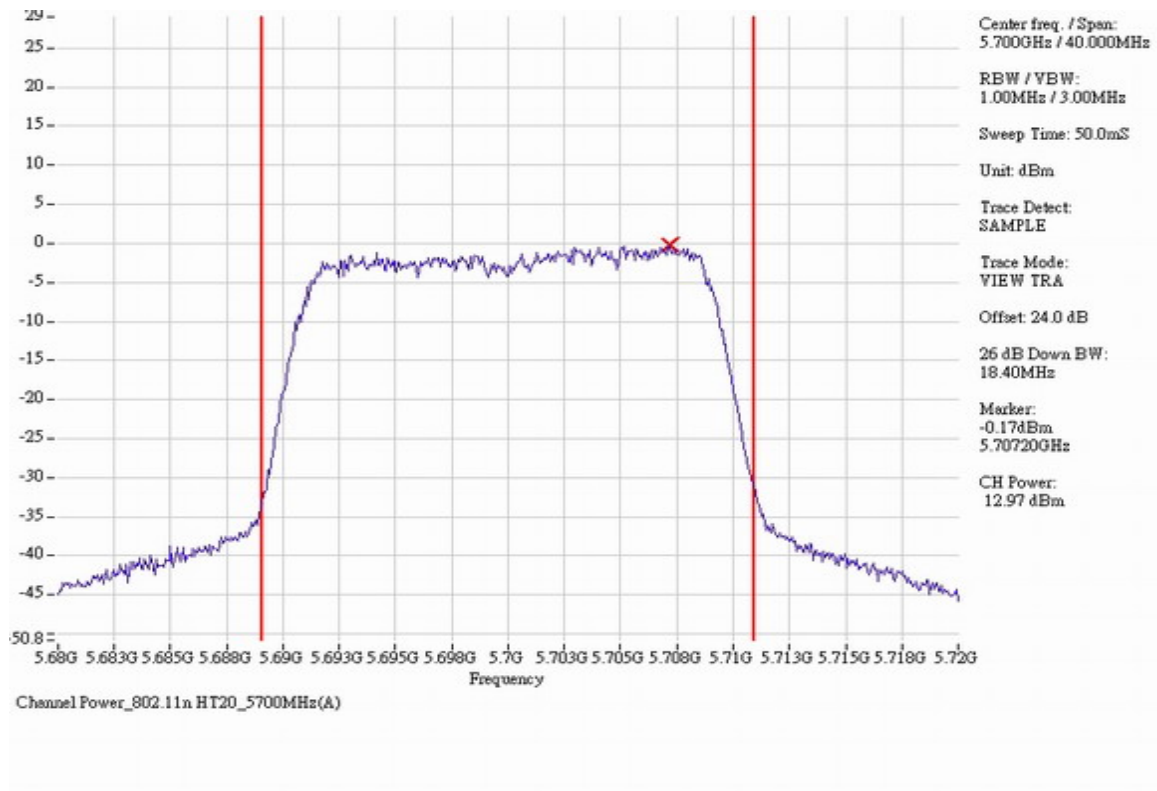
### 802.11 n (HT20) Chain A CH100 5500MHz



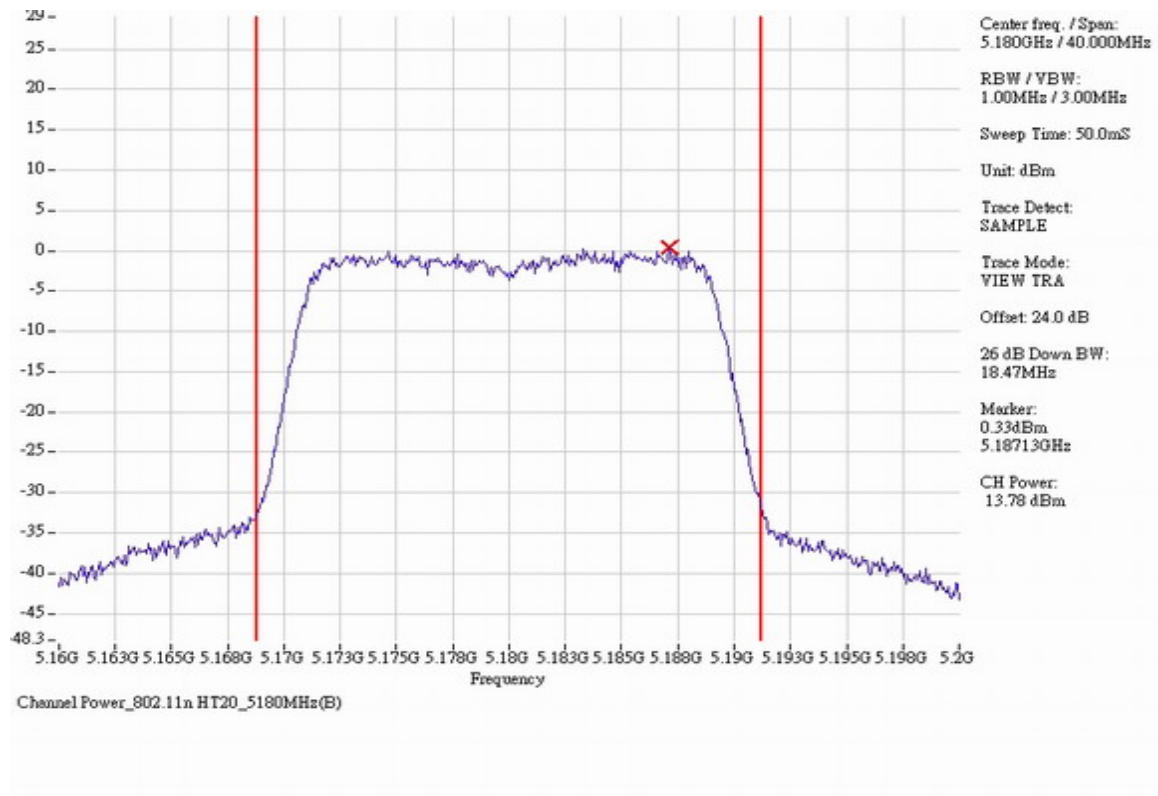
### 802.11 n (HT20) Chain A CH120 5600MHz



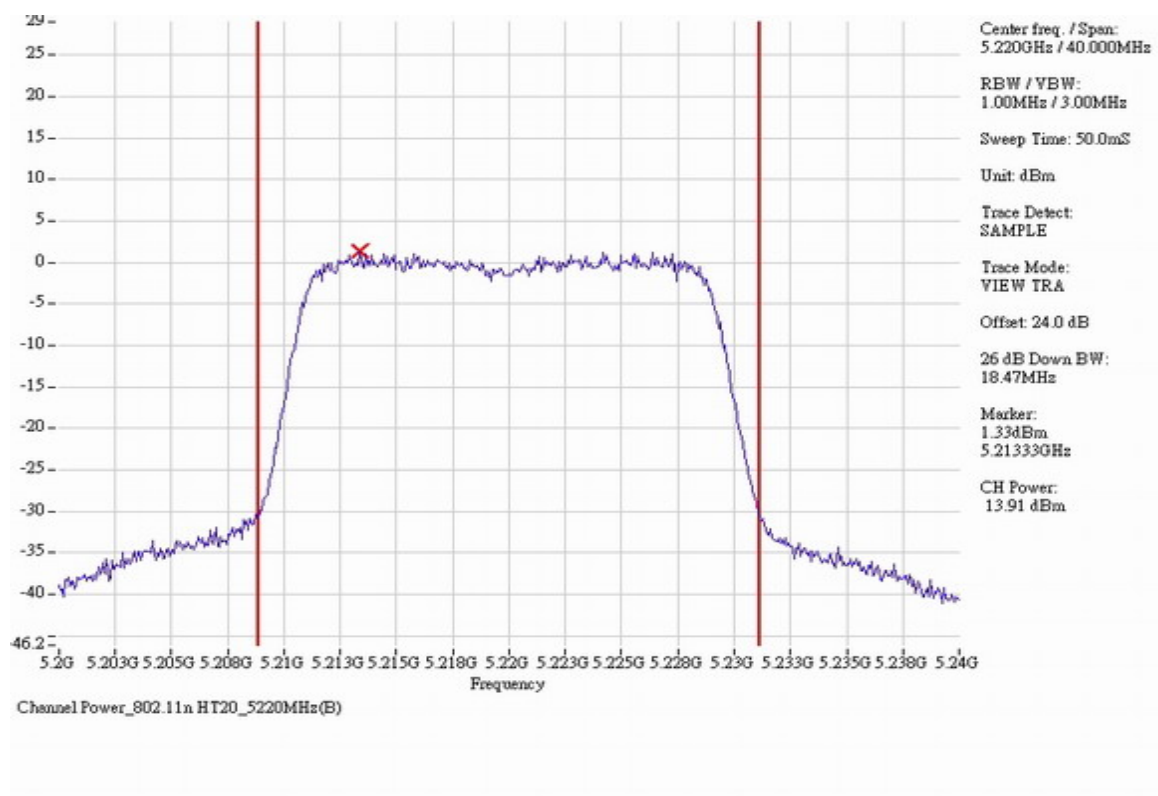
### 802.11 n (HT20) Chain A CH140 5700MHz



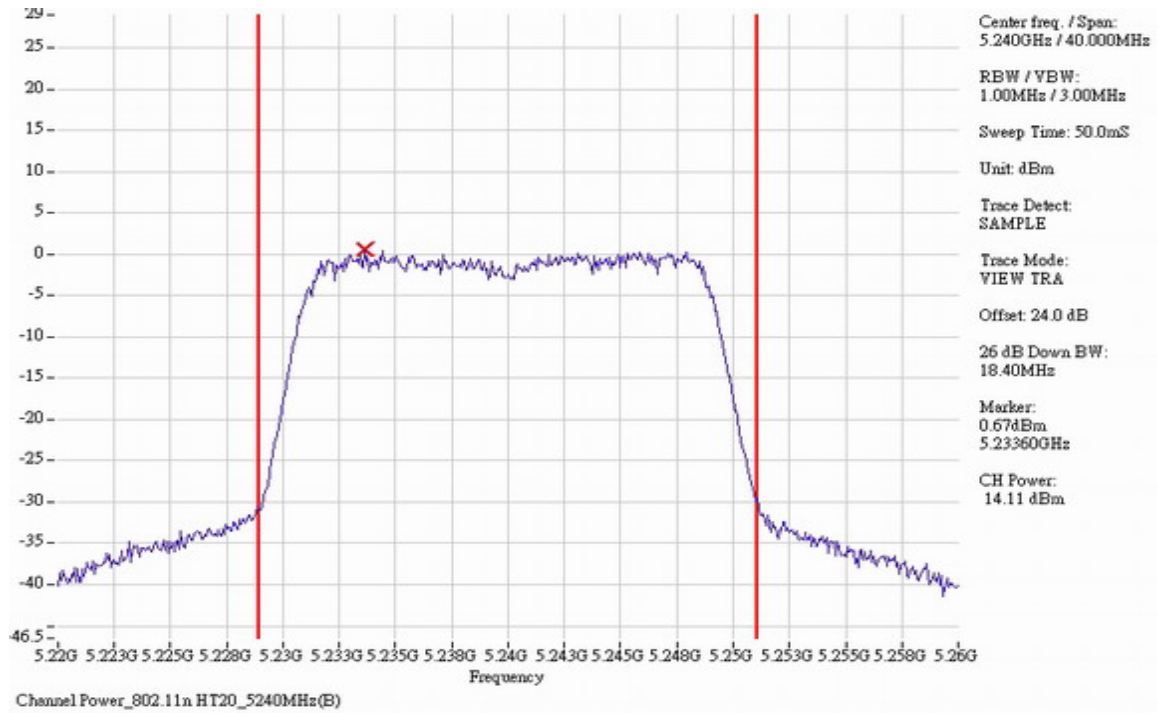
### 802.11 n (HT20) Chain B CH36 5180MHz



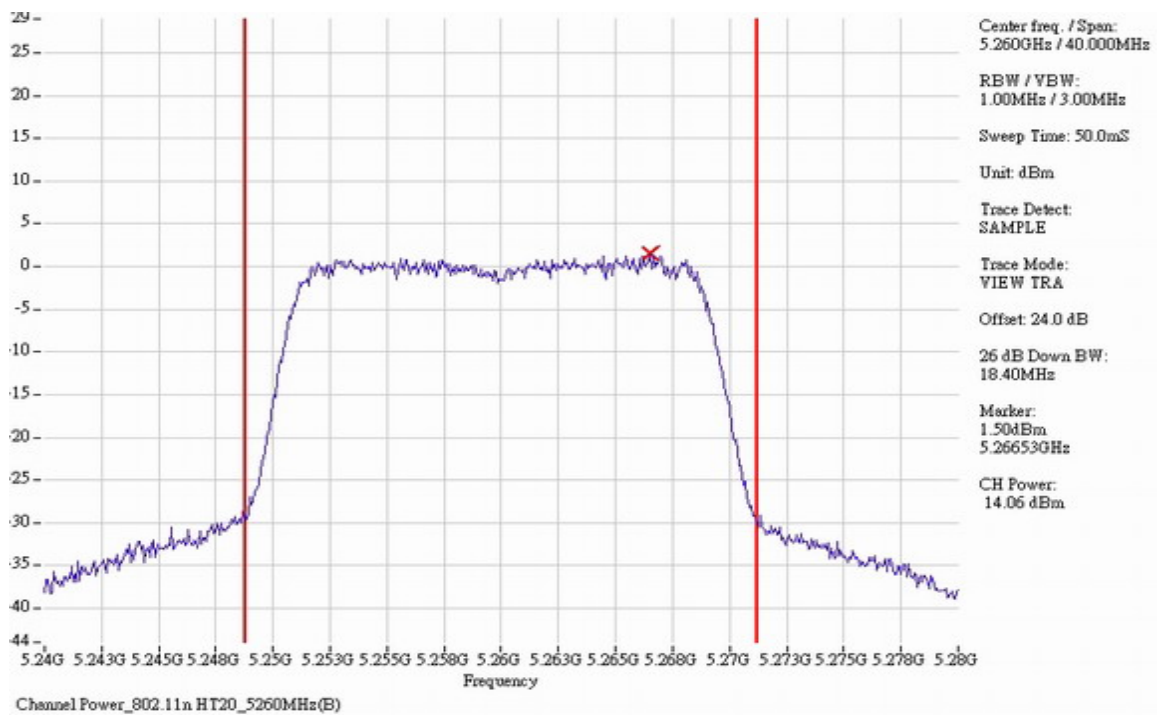
### 802.11 n (HT20) Chain B CH44 5220MHz



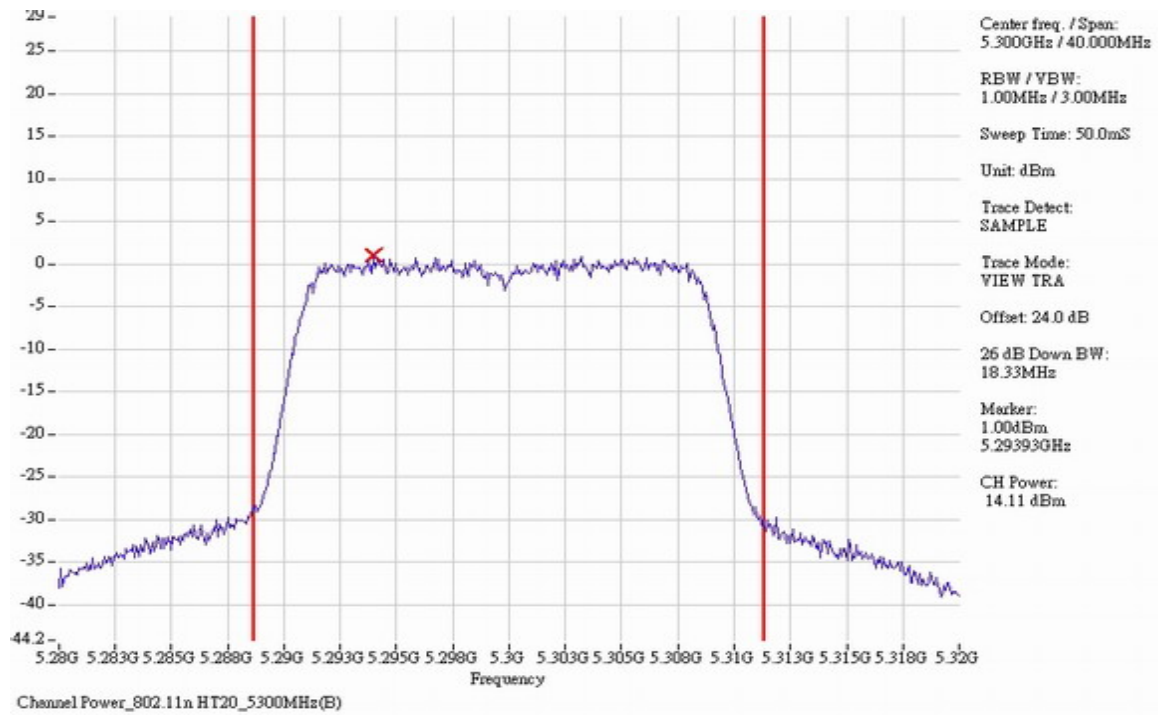
### 802.11 n (HT20) Chain B CH48 5240MHz



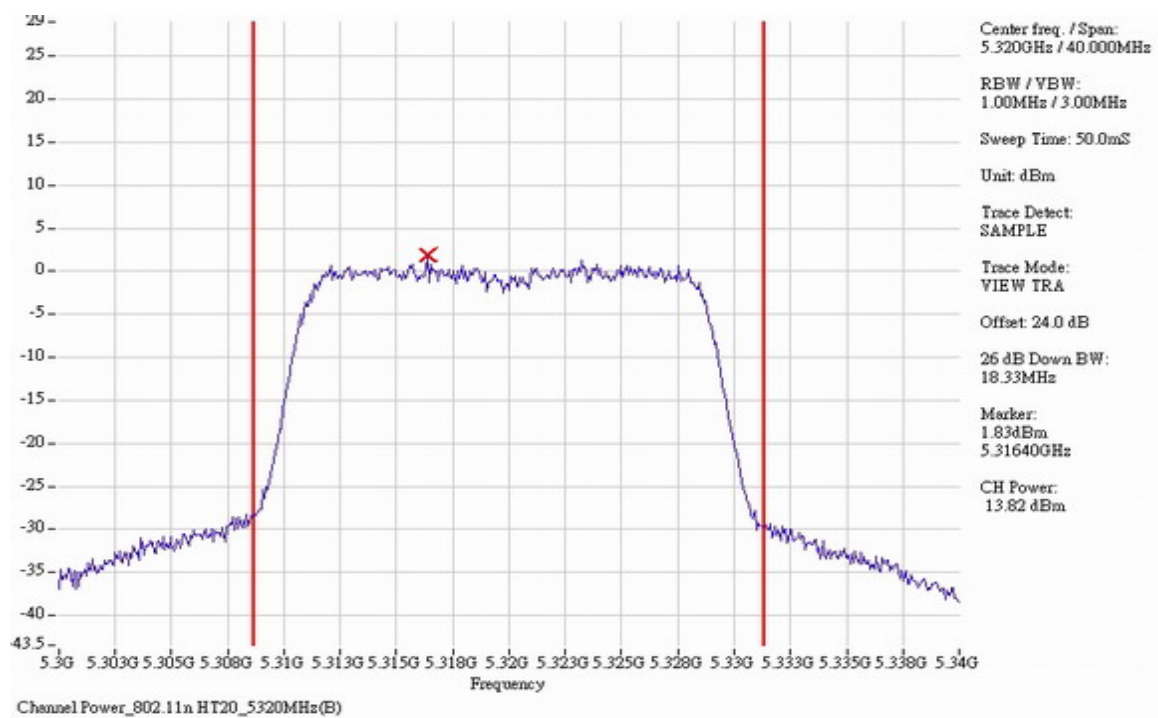
### 802.11 n (HT20) Chain B CH52 5260MHz



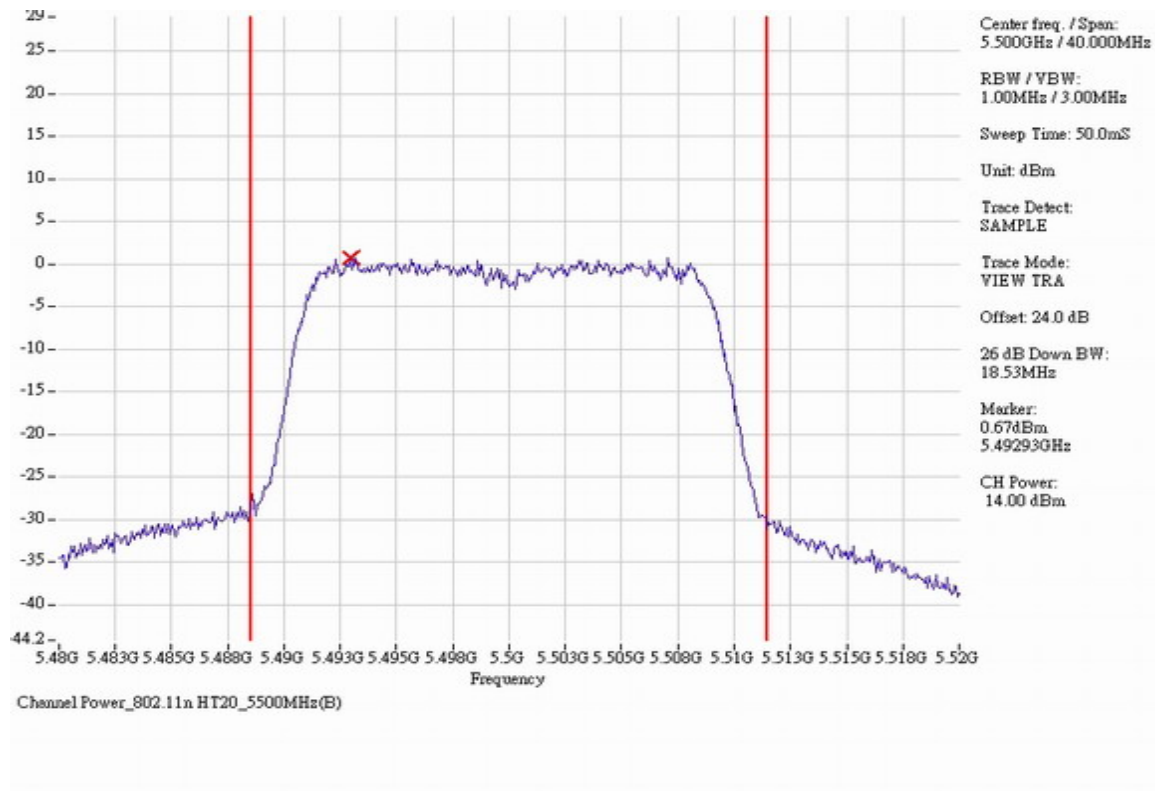
### 802.11 n (HT20) Chain B CH60 5300MHz



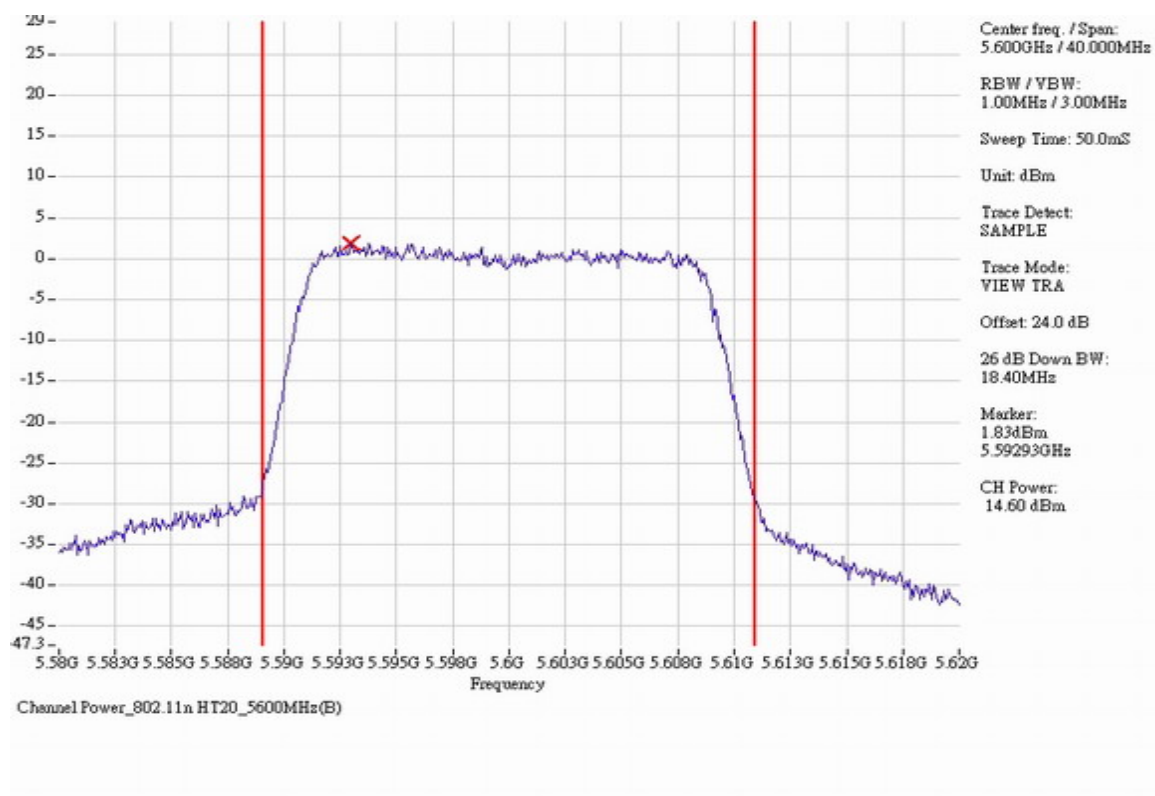
### 802.11 n (HT20) Chain B CH64 5320MHz



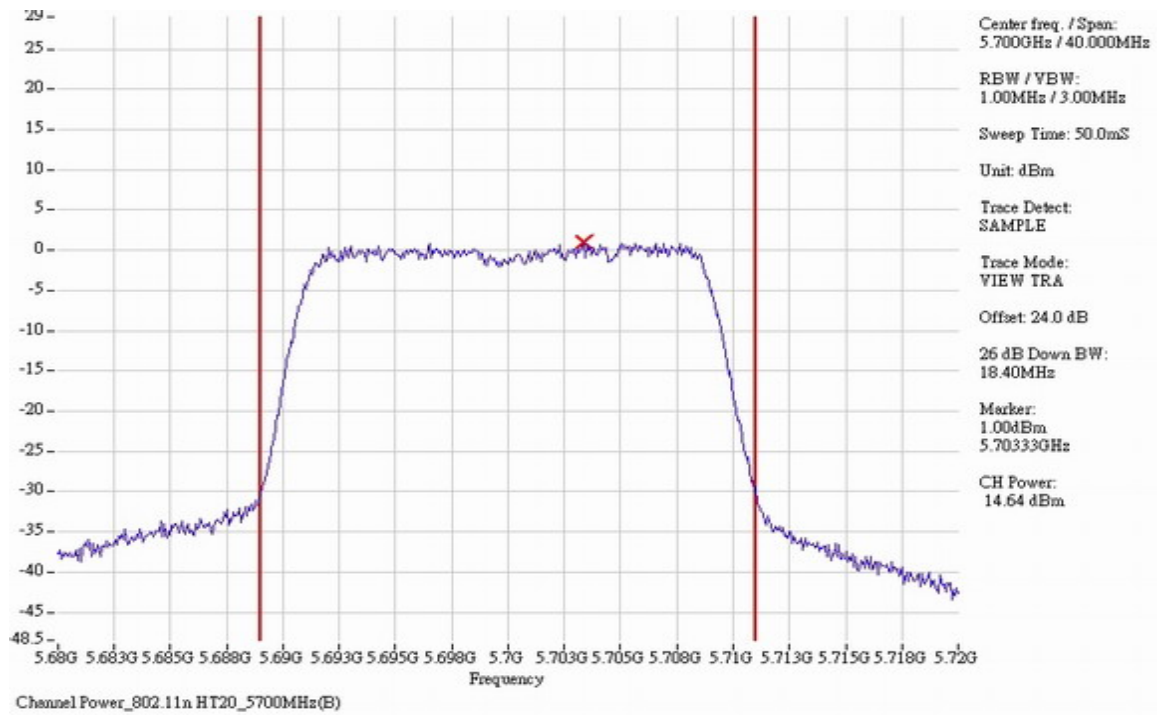
### 802.11 n (HT20) Chain B CH100 5500MHz



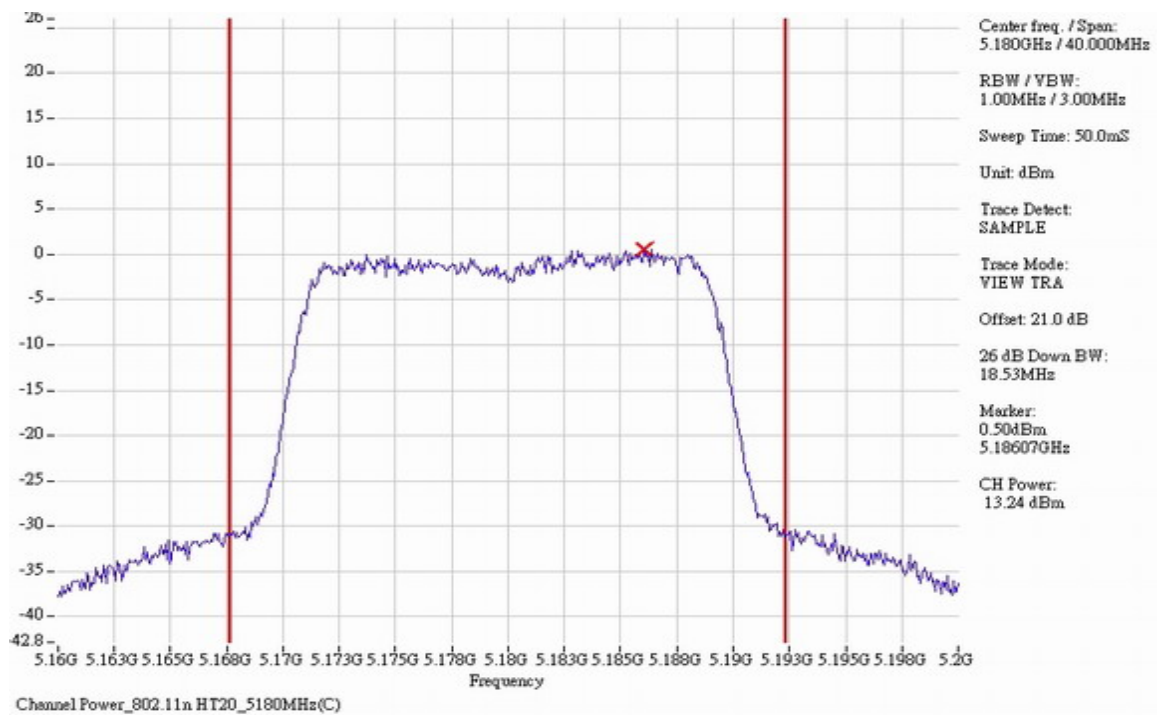
### 802.11 n (HT20) Chain B CH120 5600MHz



### 802.11 n (HT20) Chain B CH140 5700MHz

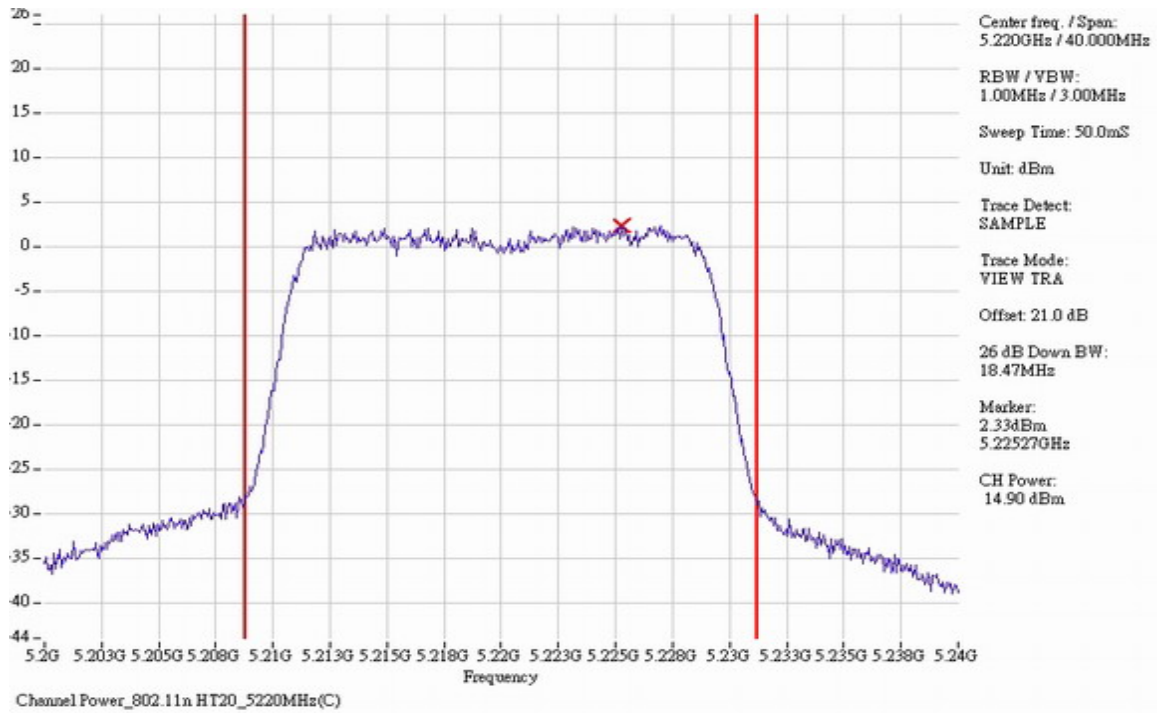


### 802.11 n (HT20) Chain C CH36 5180MHz

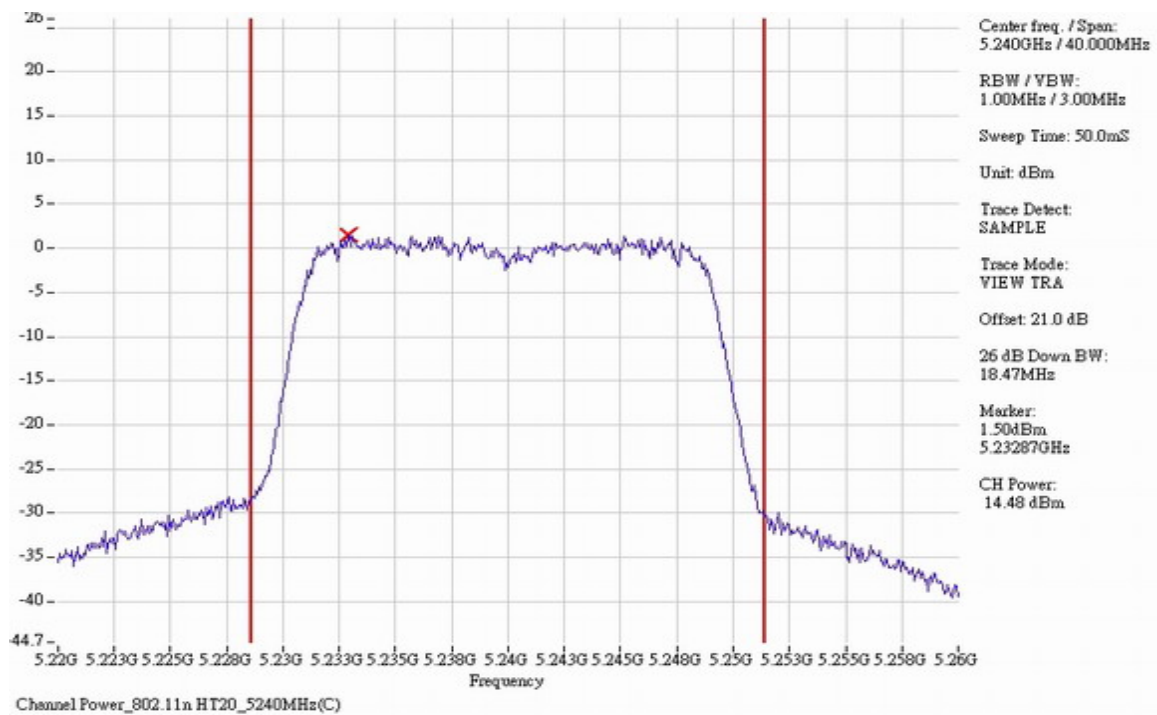




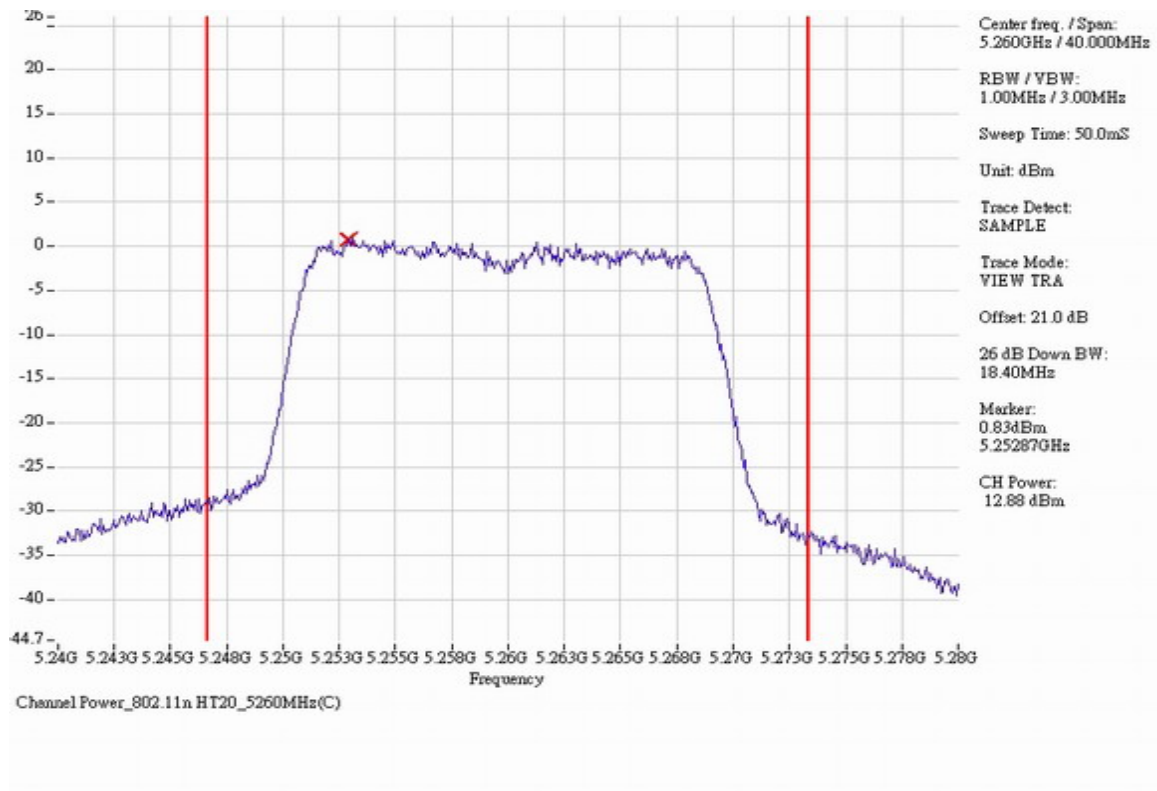
### 802.11 n (HT20) Chain C CH44 5220MHz



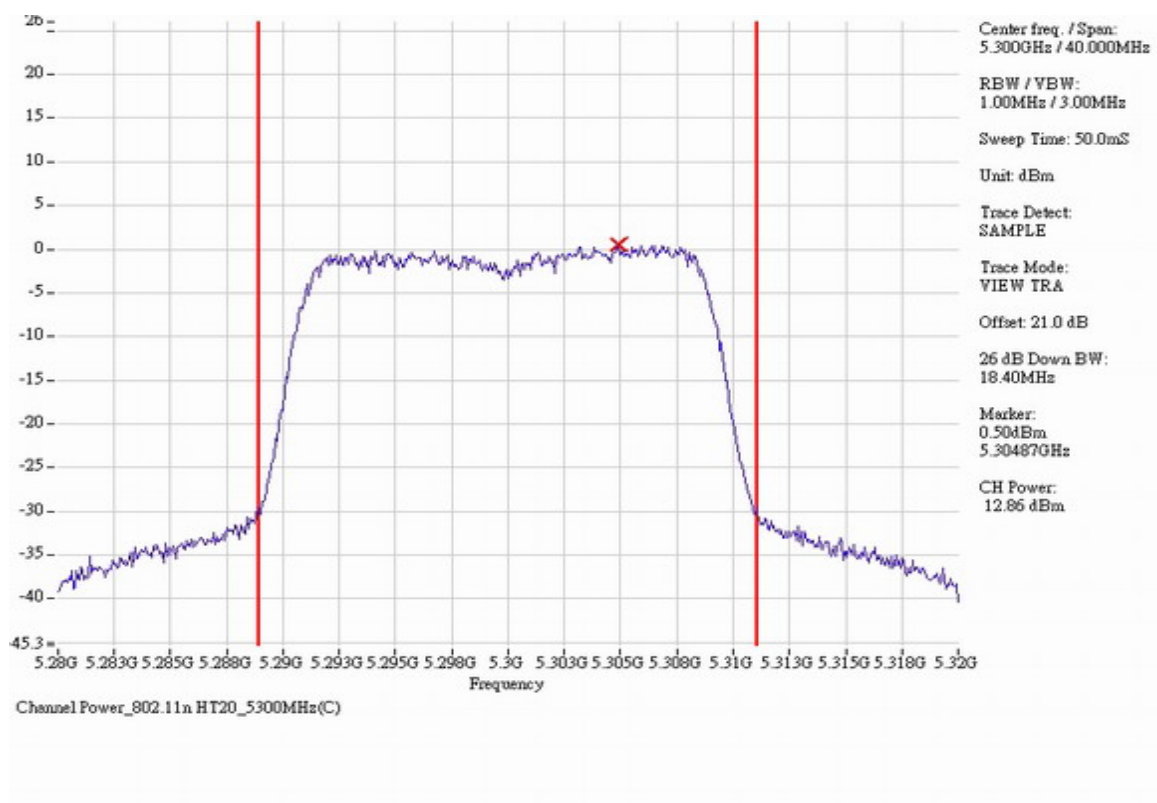
### 802.11 n (HT20) Chain C CH48 5240MHz



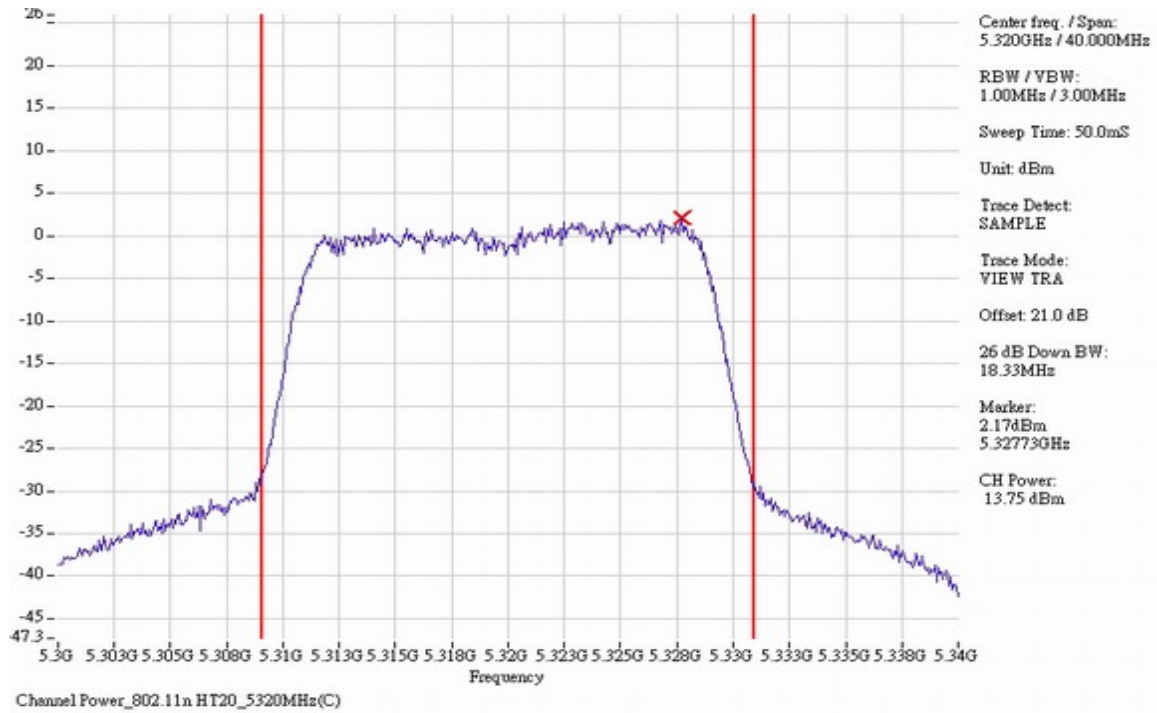
### 802.11 n (HT20) Chain C CH52 5260MHz



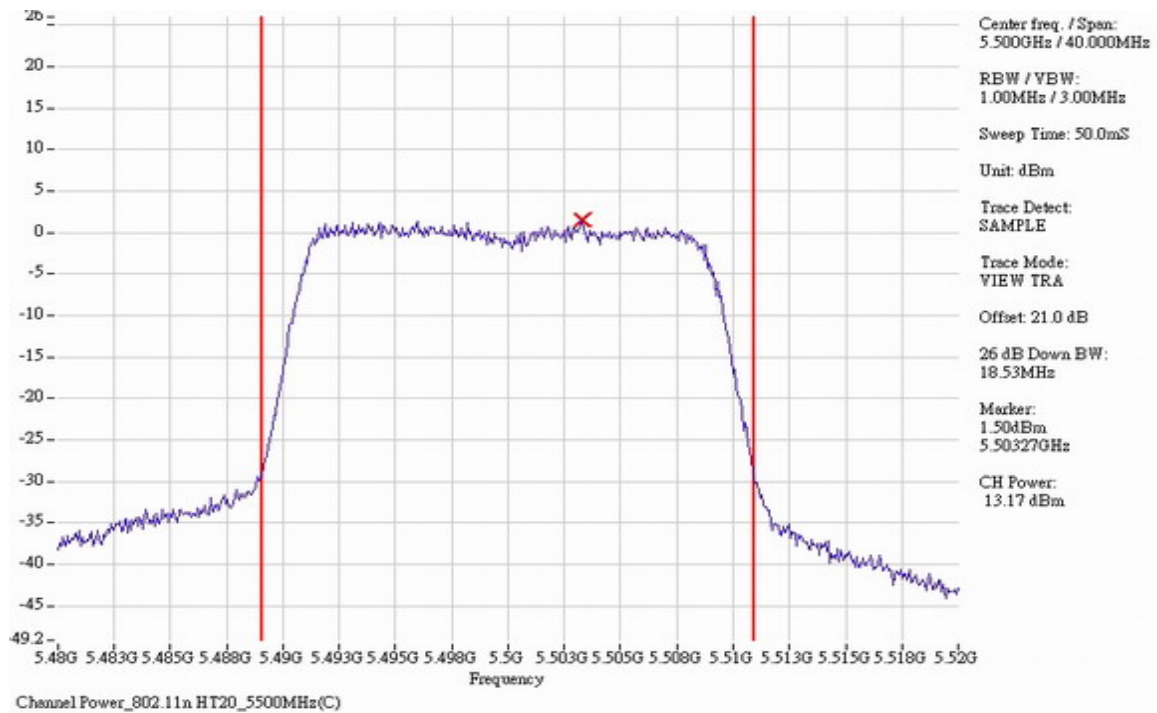
### 802.11 n (HT20) Chain C CH60 5300MHz



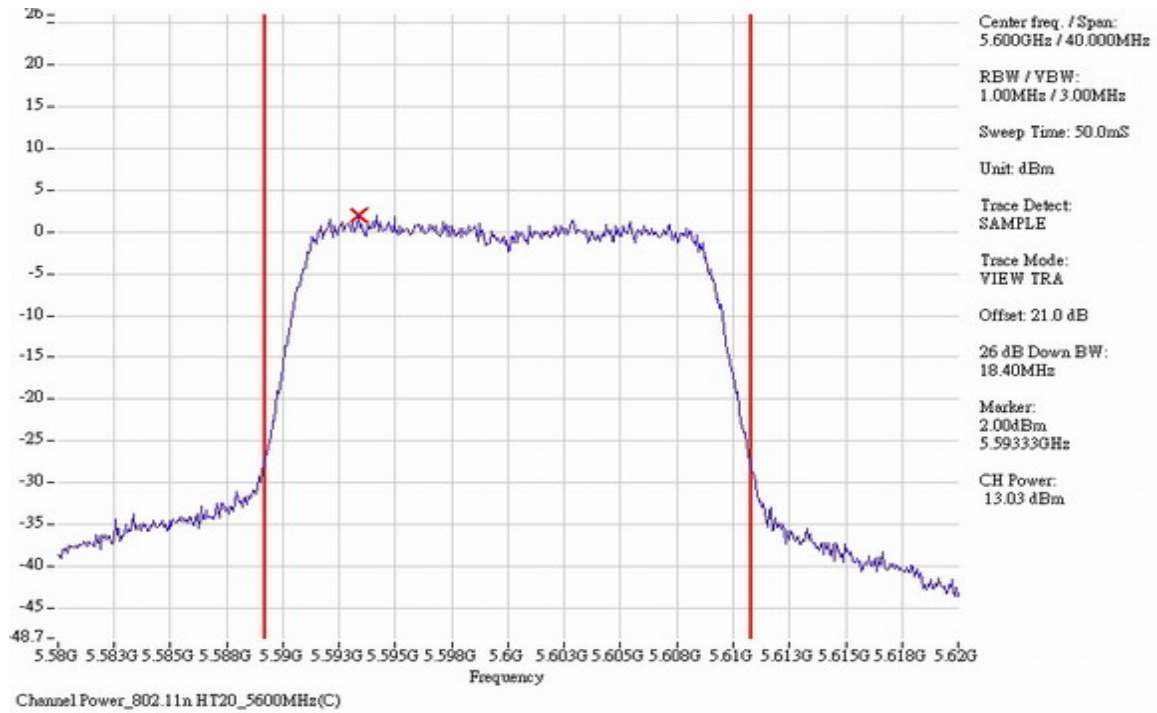
### 802.11 n (HT20) Chain C CH64 5320MHz



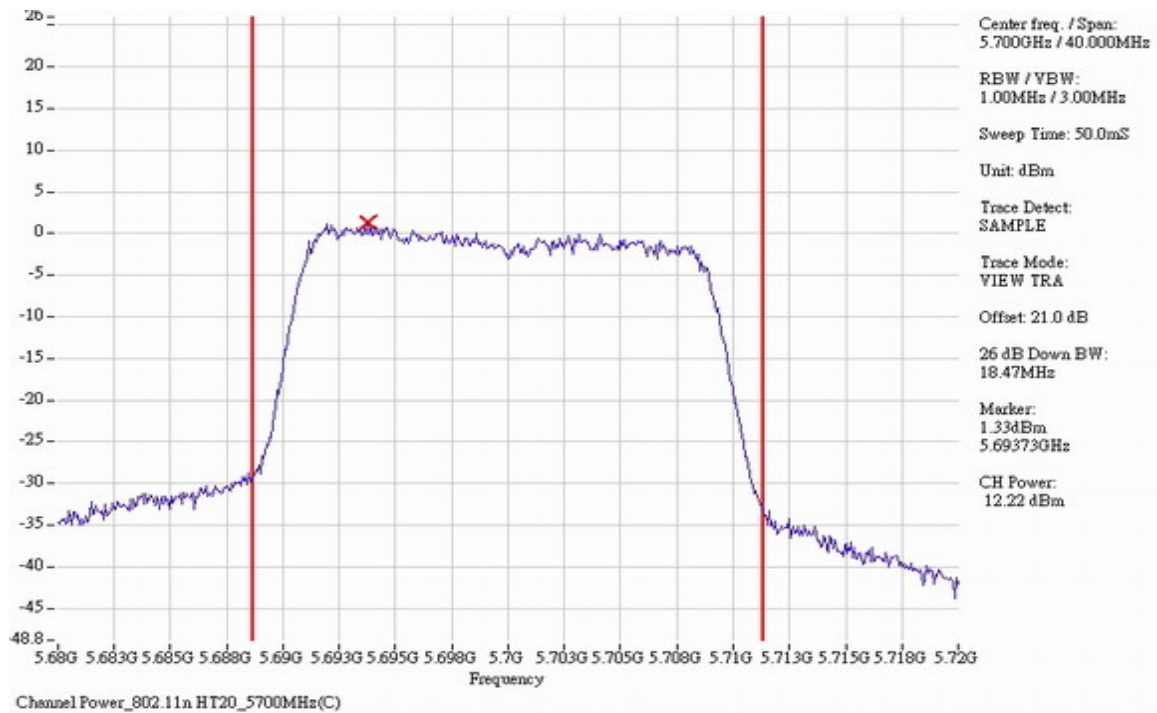
### 802.11 n (HT20) Chain C CH100 5500MHz



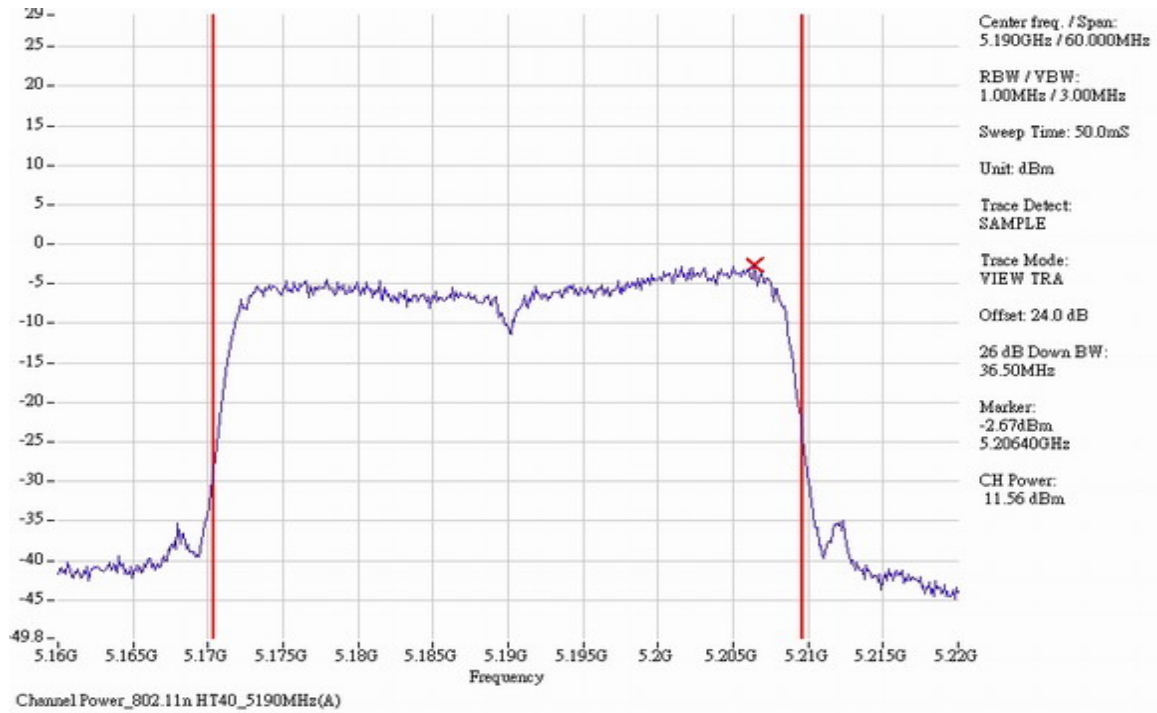
### 802.11 n (HT20) Chain C CH120 5600MHz



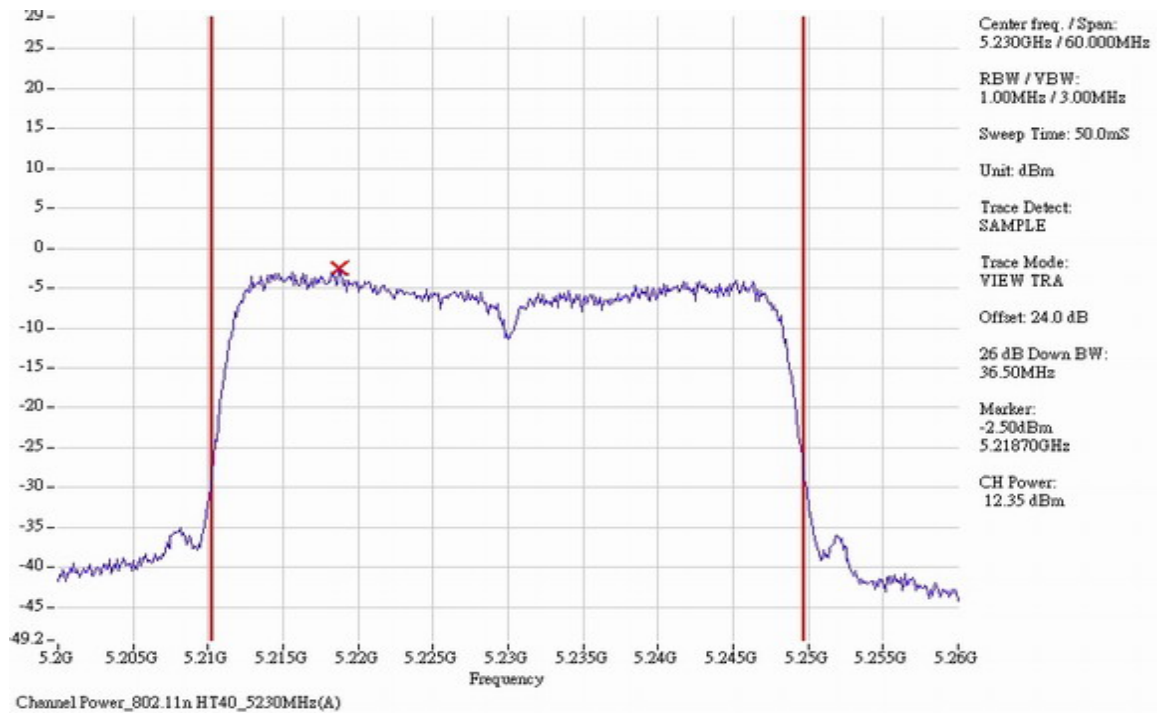
### 802.11 n (HT20) Chain C CH140 5700MHz



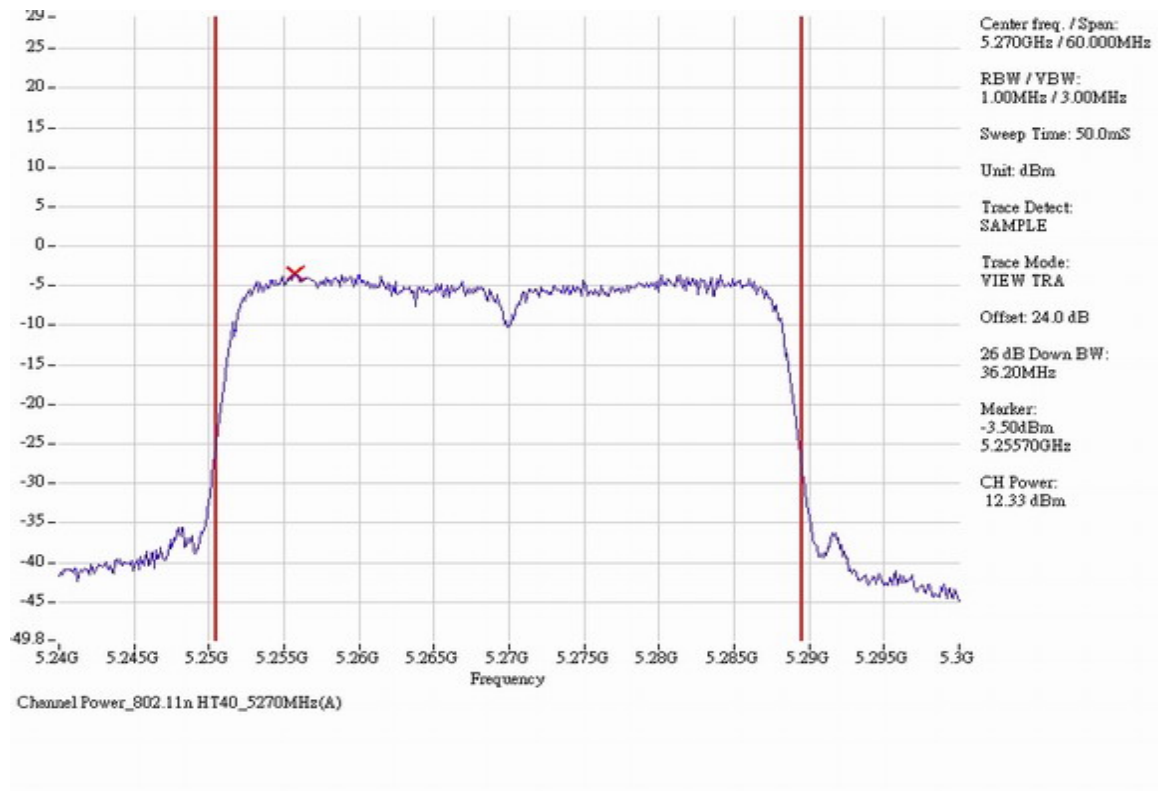
### 802.11 n (HT40) Chain A CH38 5190MHz



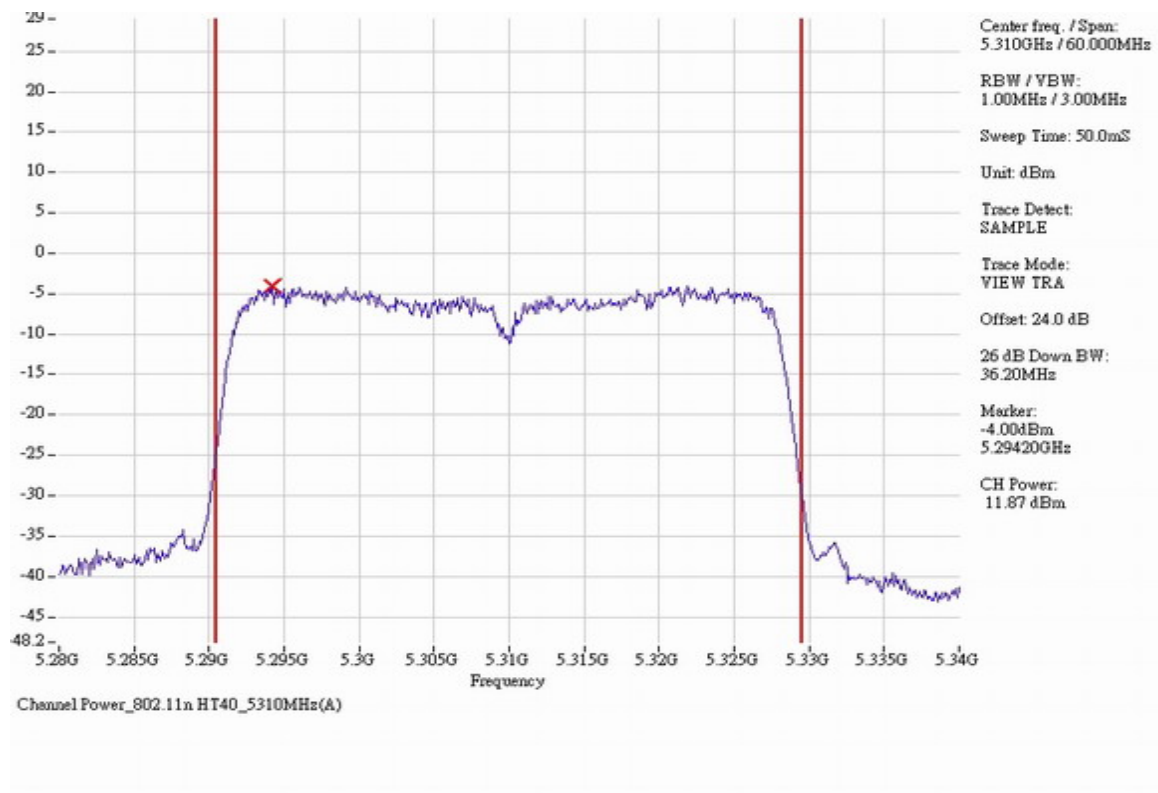
### 802.11 n (HT40) Chain A CH46 5230MHz



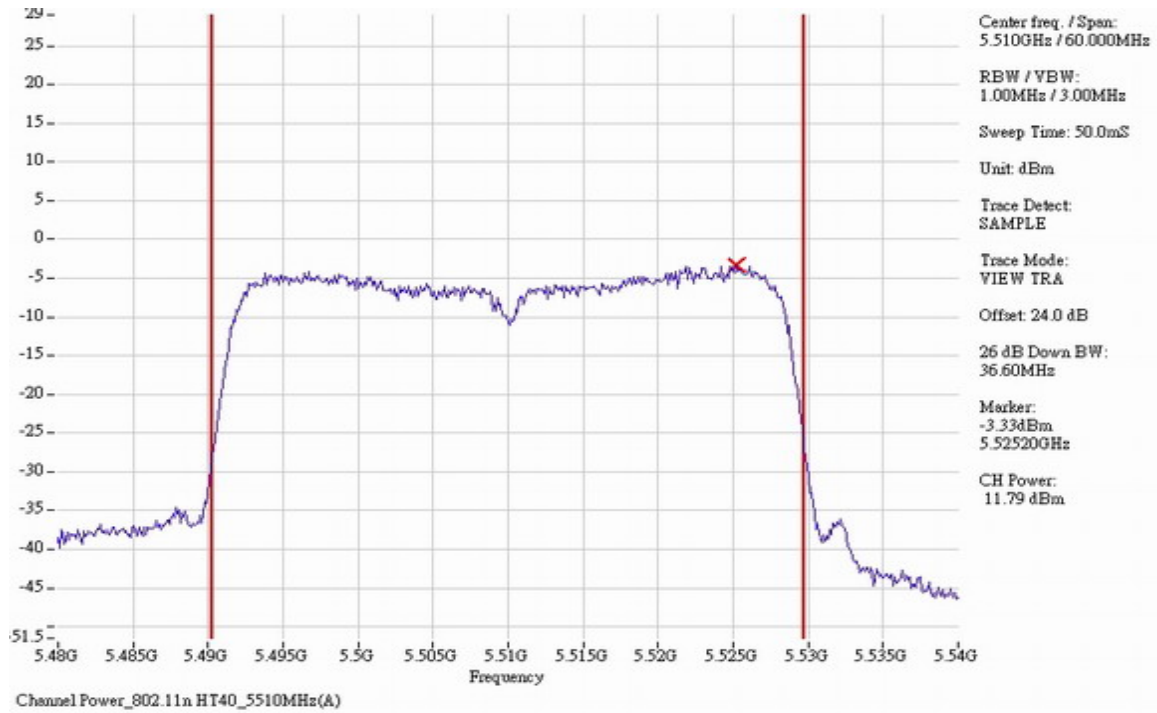
### 802.11 n (HT40) Chain A CH54 5270MHz



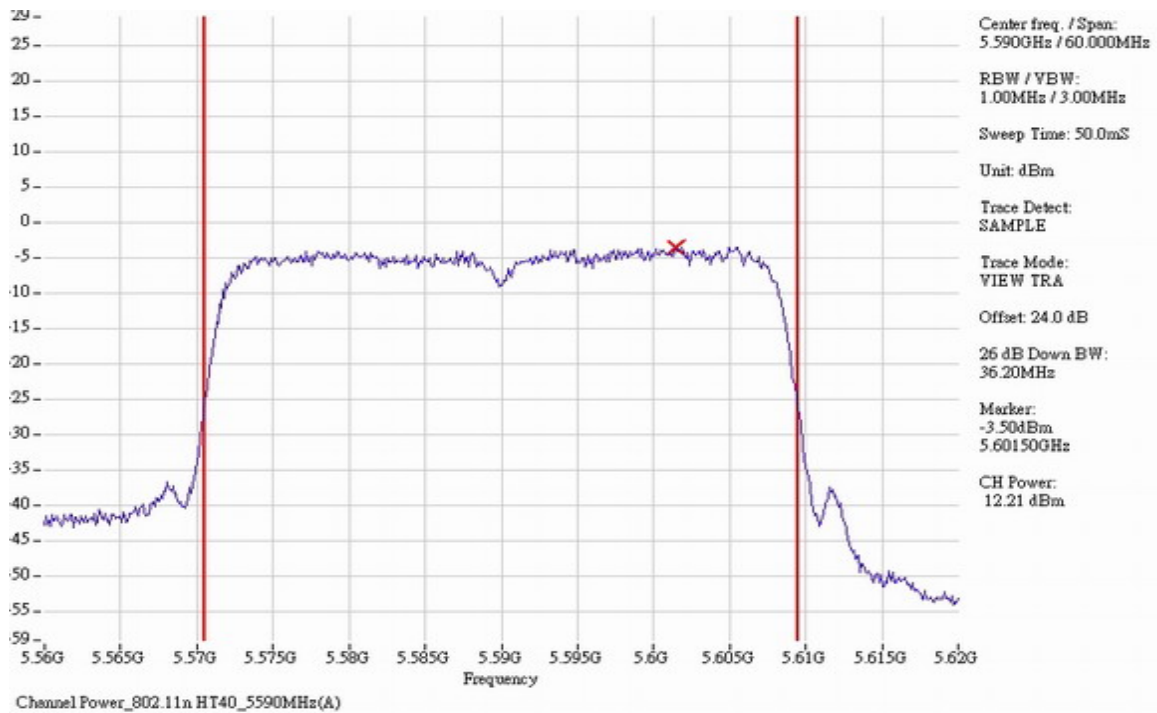
### 802.11 n (HT40) Chain A CH62 5310MHz



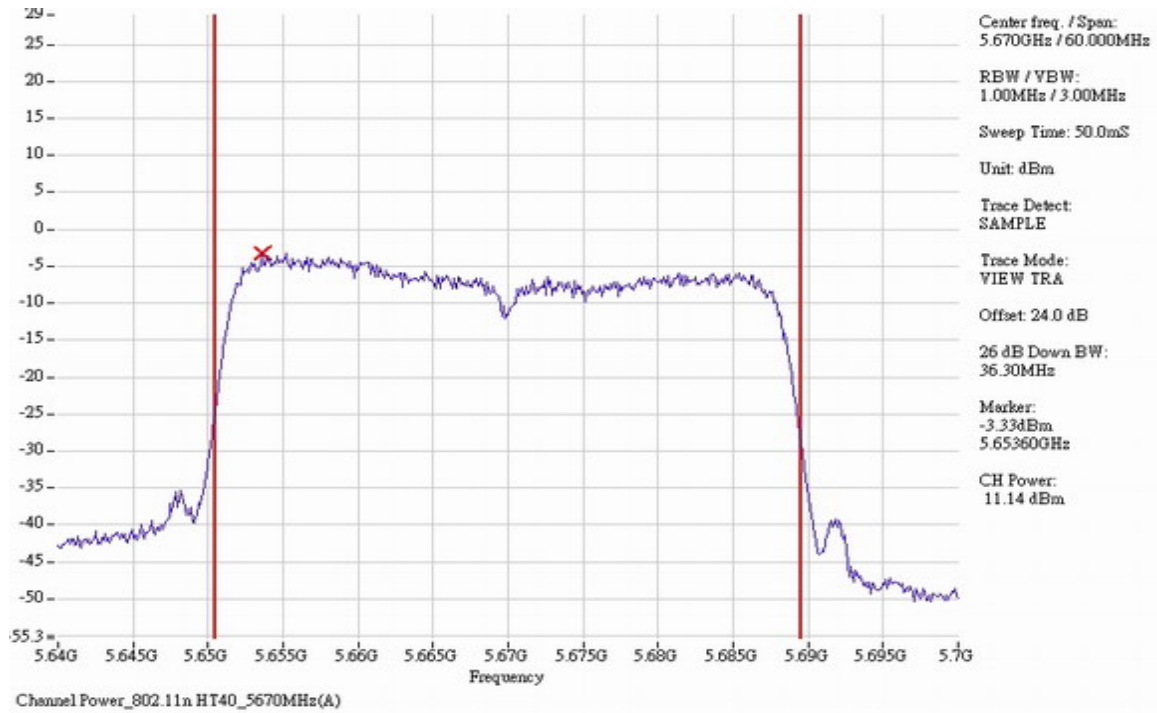
### 802.11 n (HT40) Chain A CH102 5510MHz



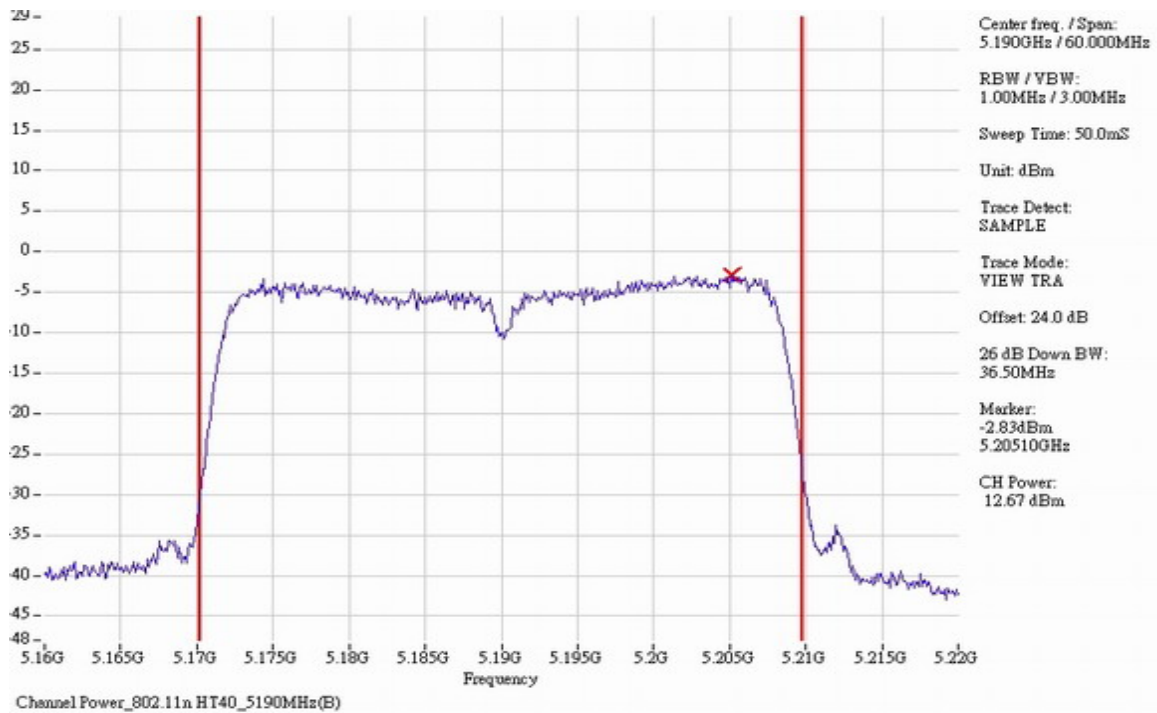
### 802.11 n (HT40) Chain A CH118 5590MHz



### 802.11 n (HT40) Chain A CH134 5670MHz

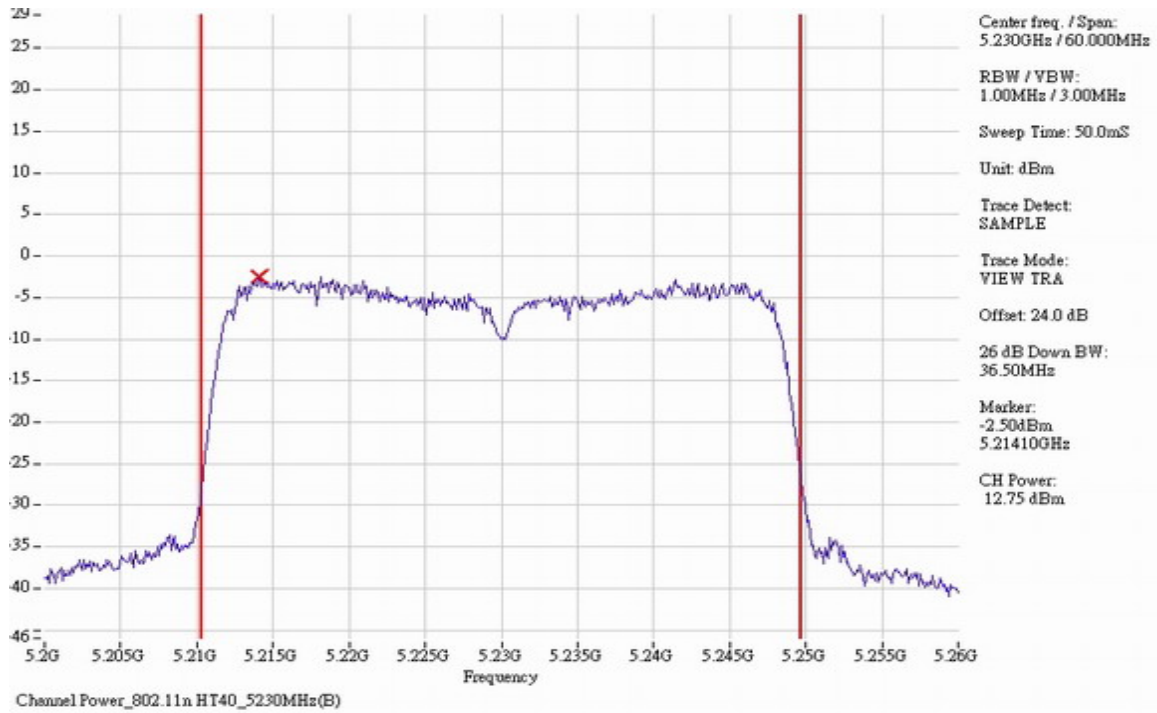


### 802.11 n (HT40) Chain B CH38 5190MHz

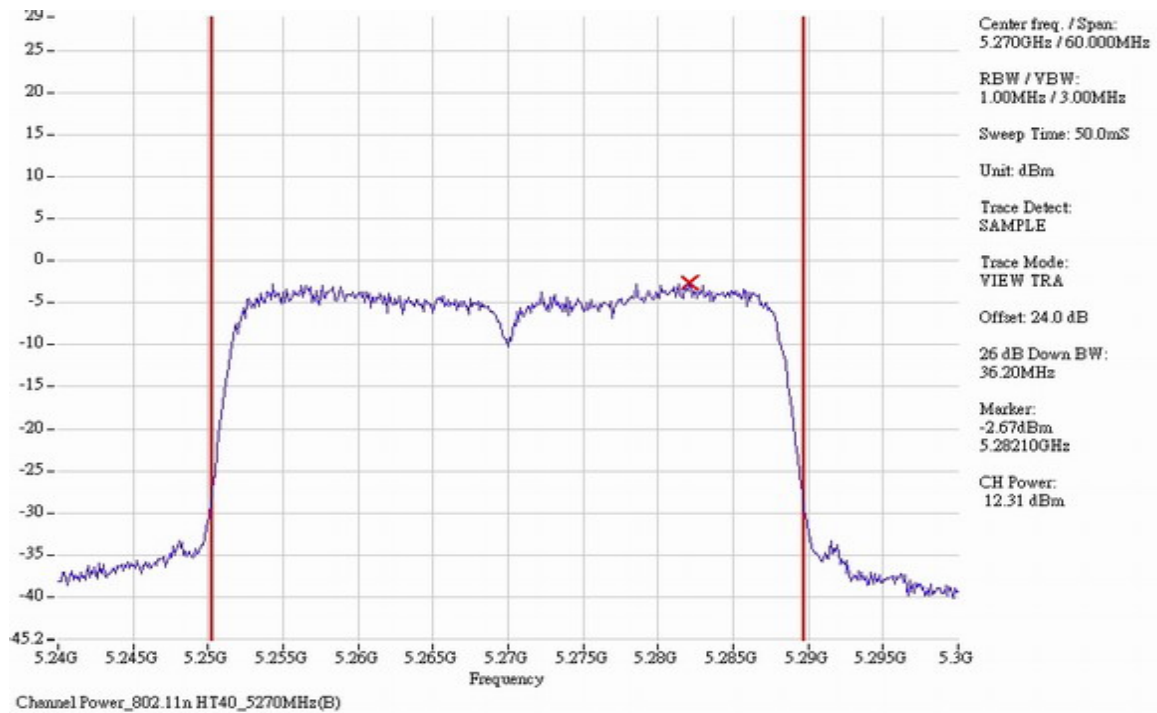




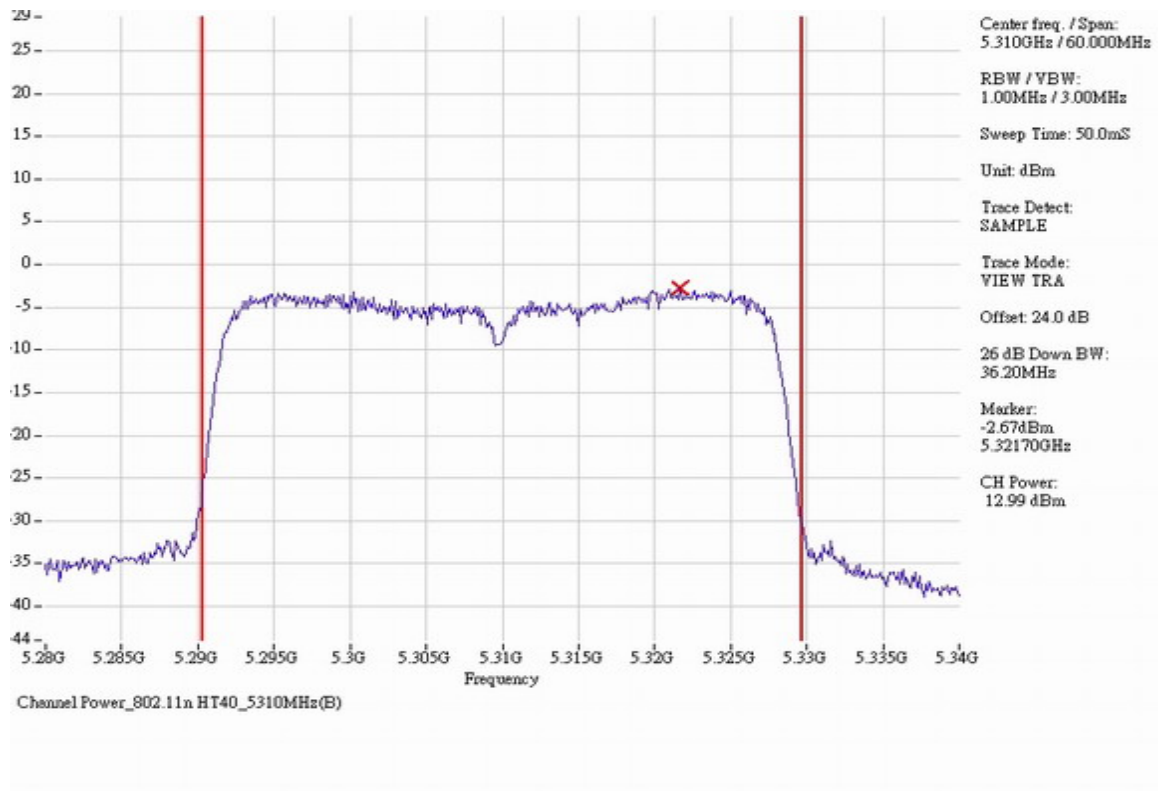
### 802.11 n (HT40) Chain B CH46 5230MHz



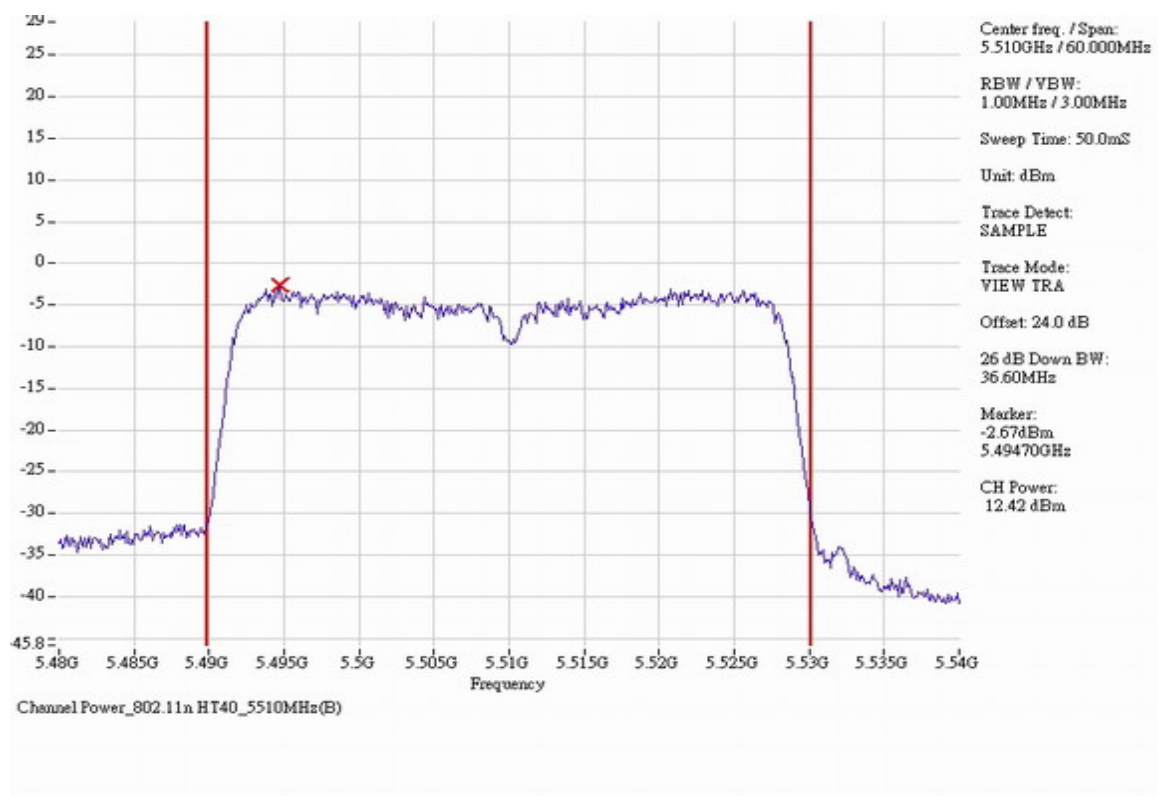
### 802.11 n (HT40) Chain B CH54 5270MHz



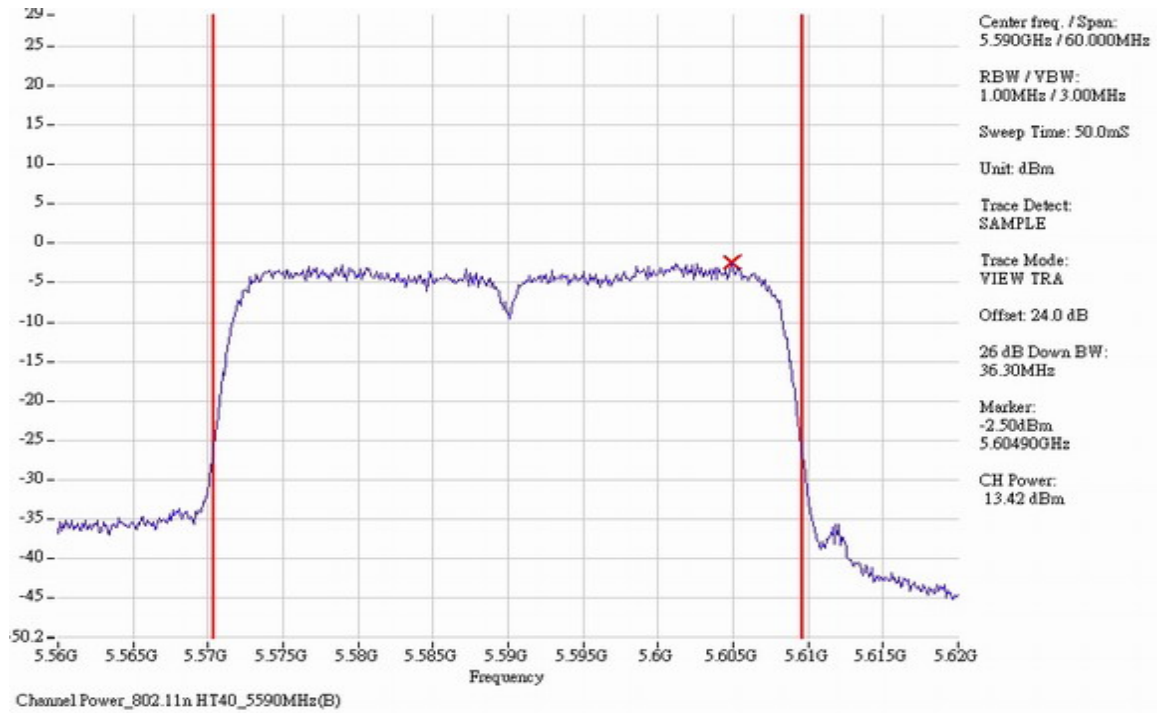
### 802.11 n (HT40) Chain B CH62 5310MHz



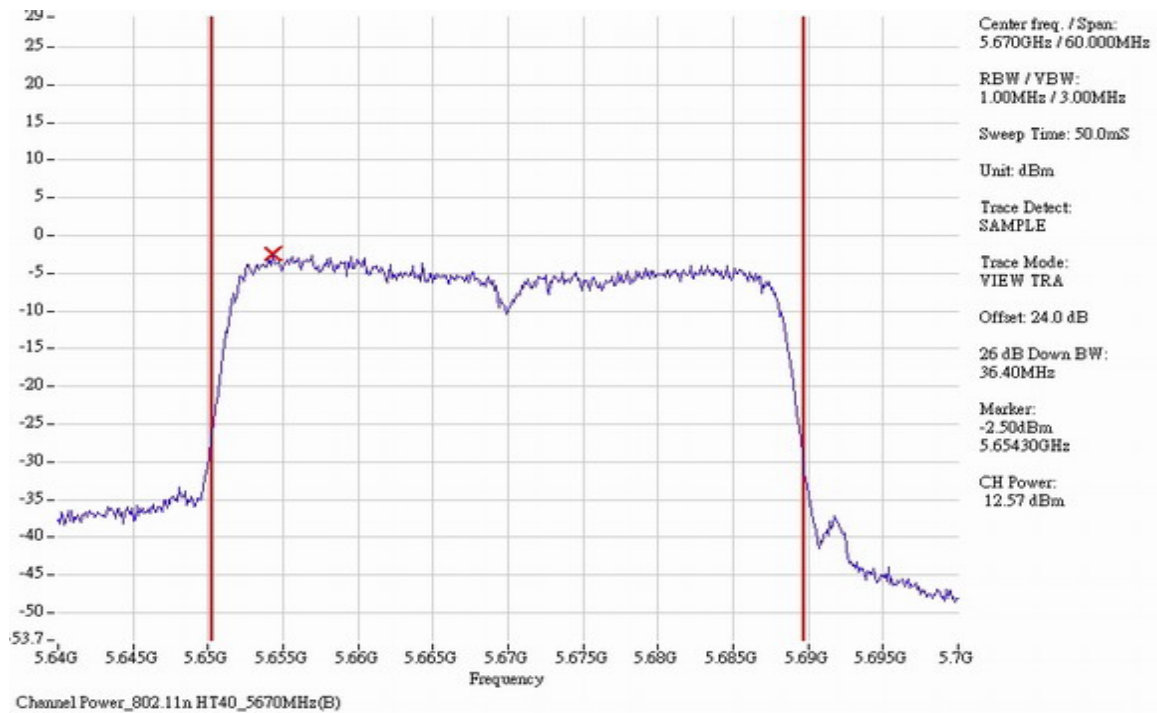
### 802.11 n (HT40) Chain B CH102 5510MHz



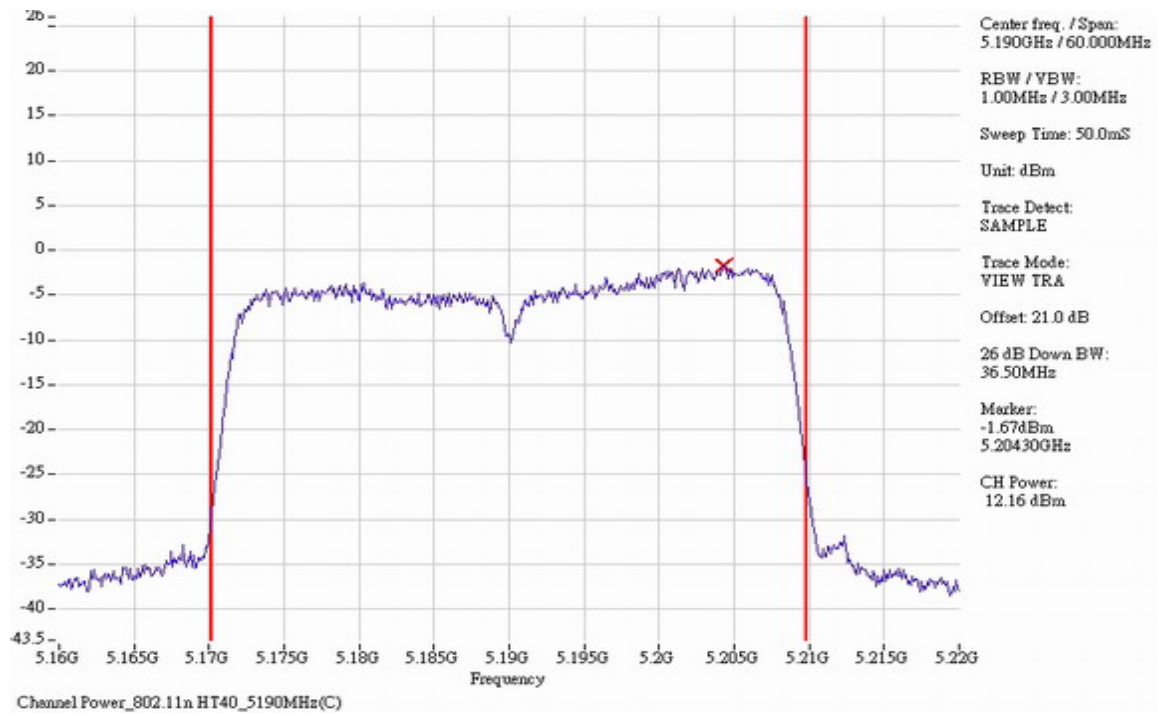
### 802.11 n (HT40) Chain B CH118 5590MHz



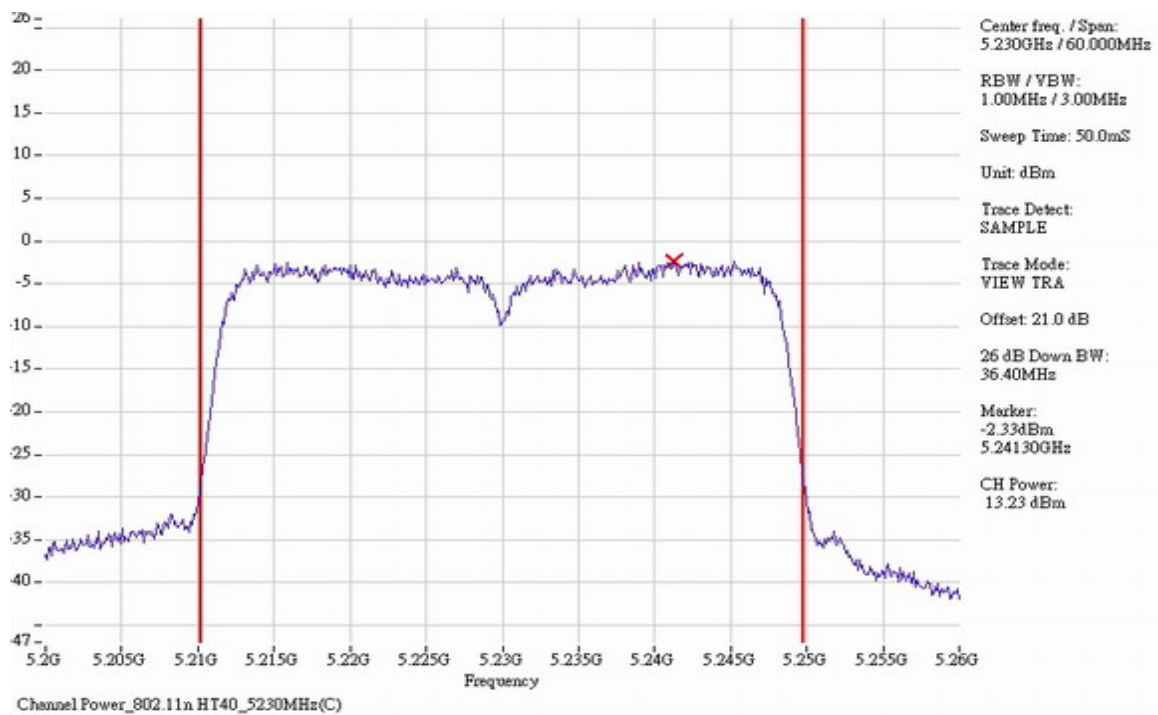
### 802.11 n (HT40) Chain B CH134 5670MHz



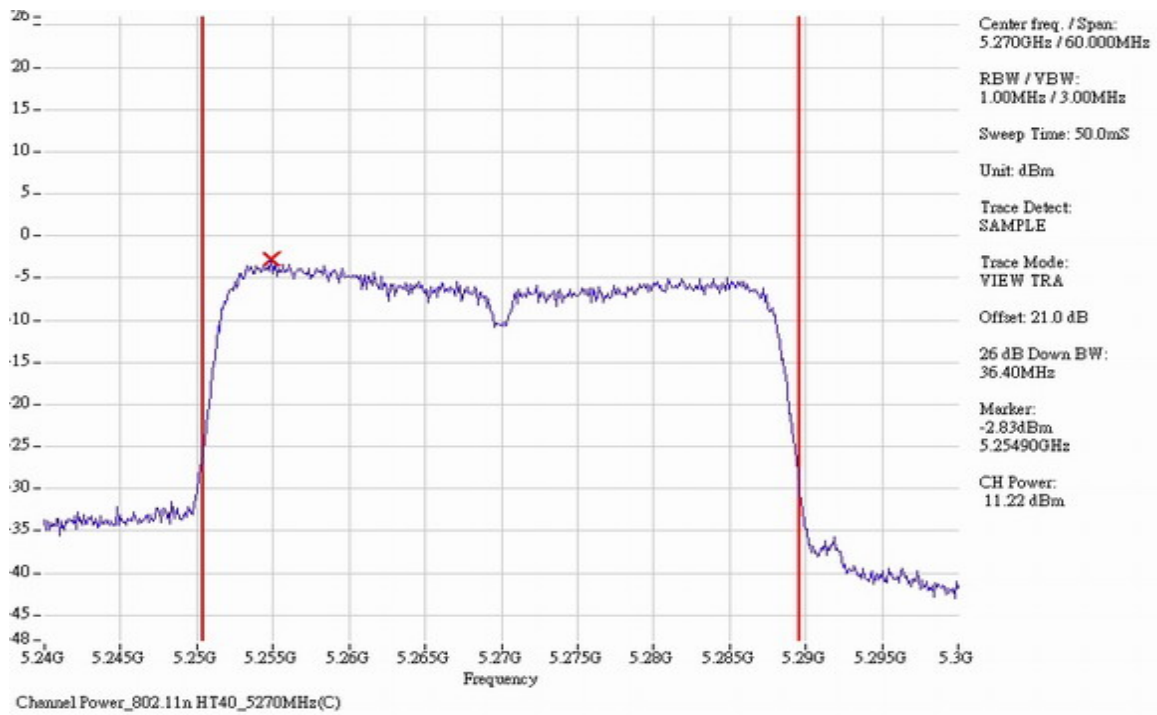
### 802.11 n (HT40) Chain C CH38 5190MHz



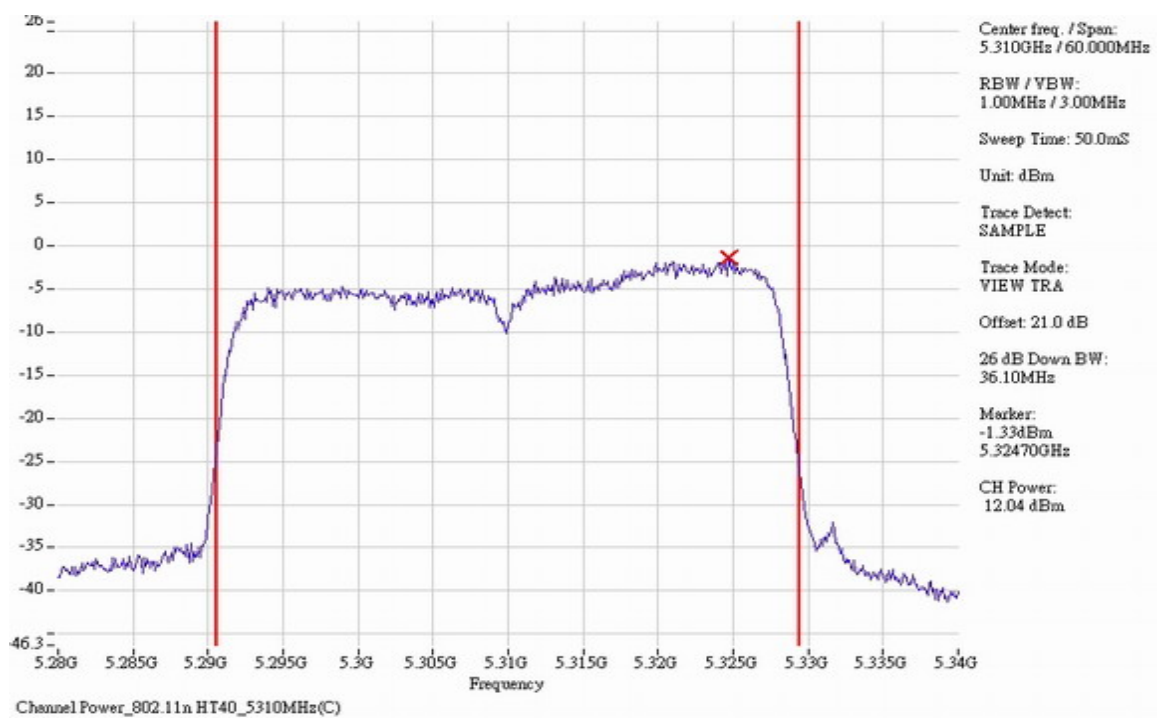
### 802.11 n (HT40) Chain C CH46 5230MHz



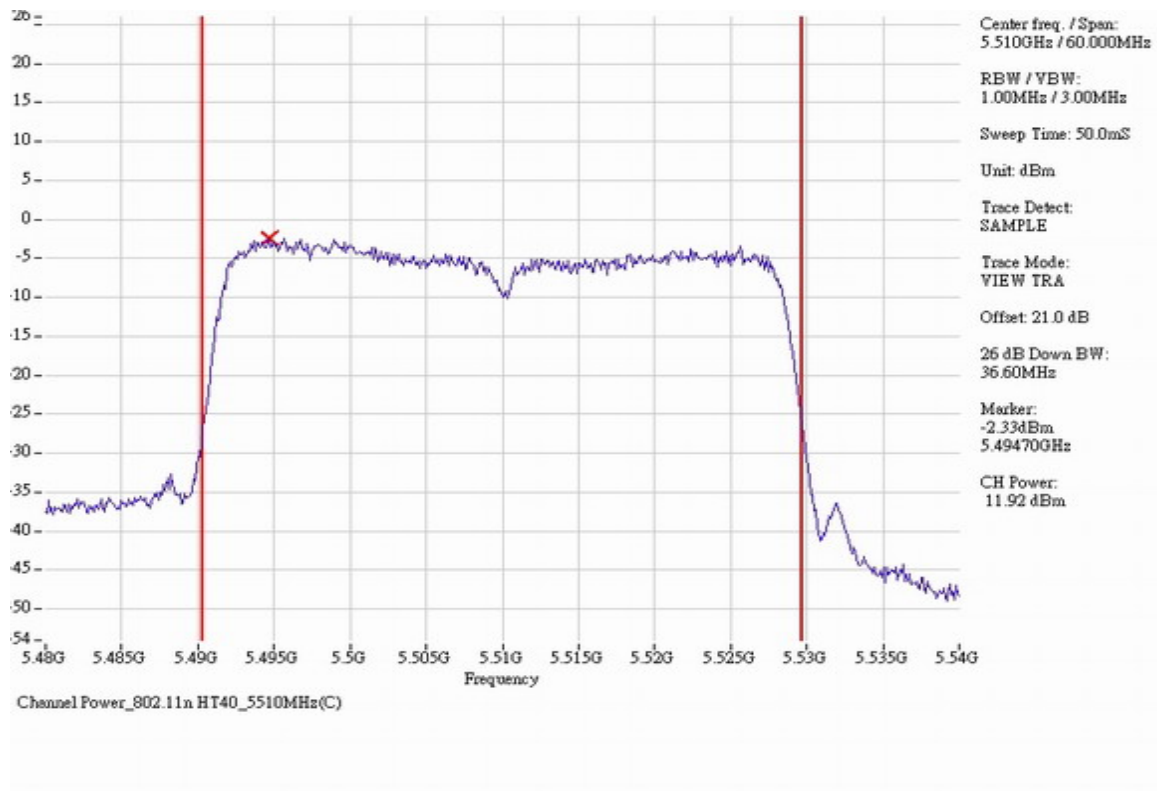
### 802.11 n (HT40) Chain C CH54 5270MHz



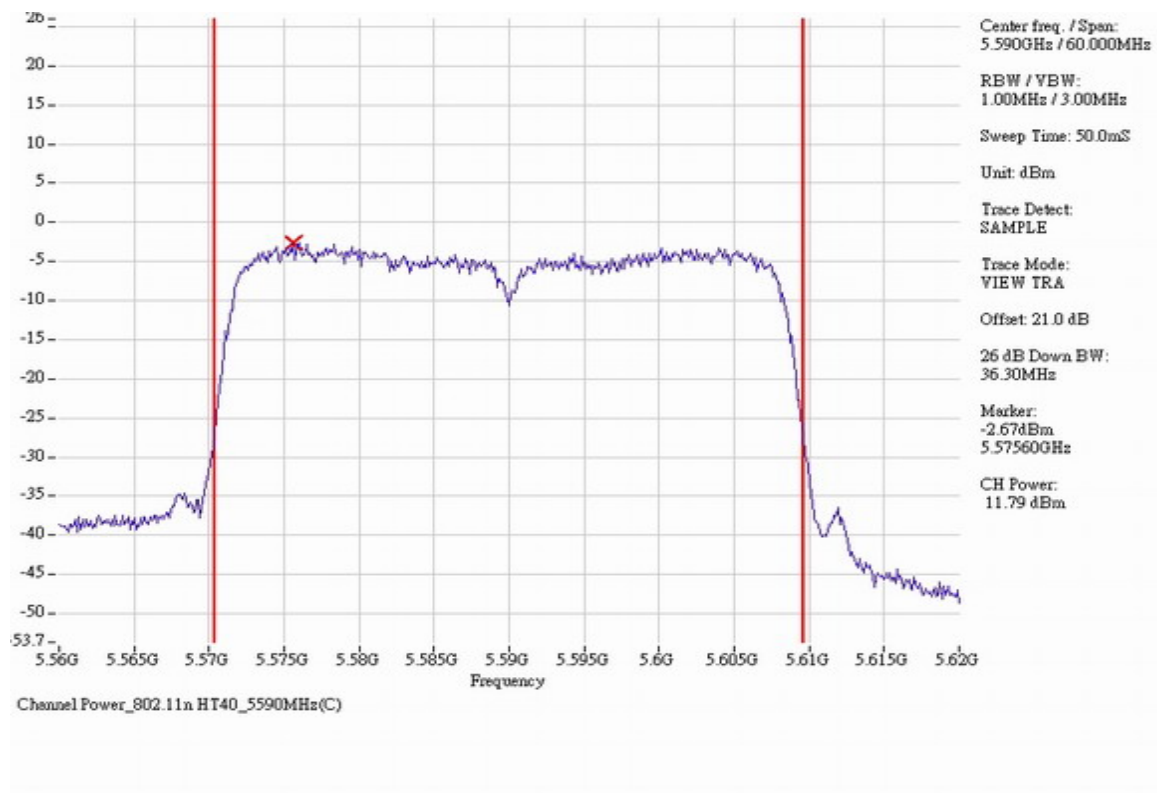
### 802.11 n (HT40) Chain C CH62 5310MHz



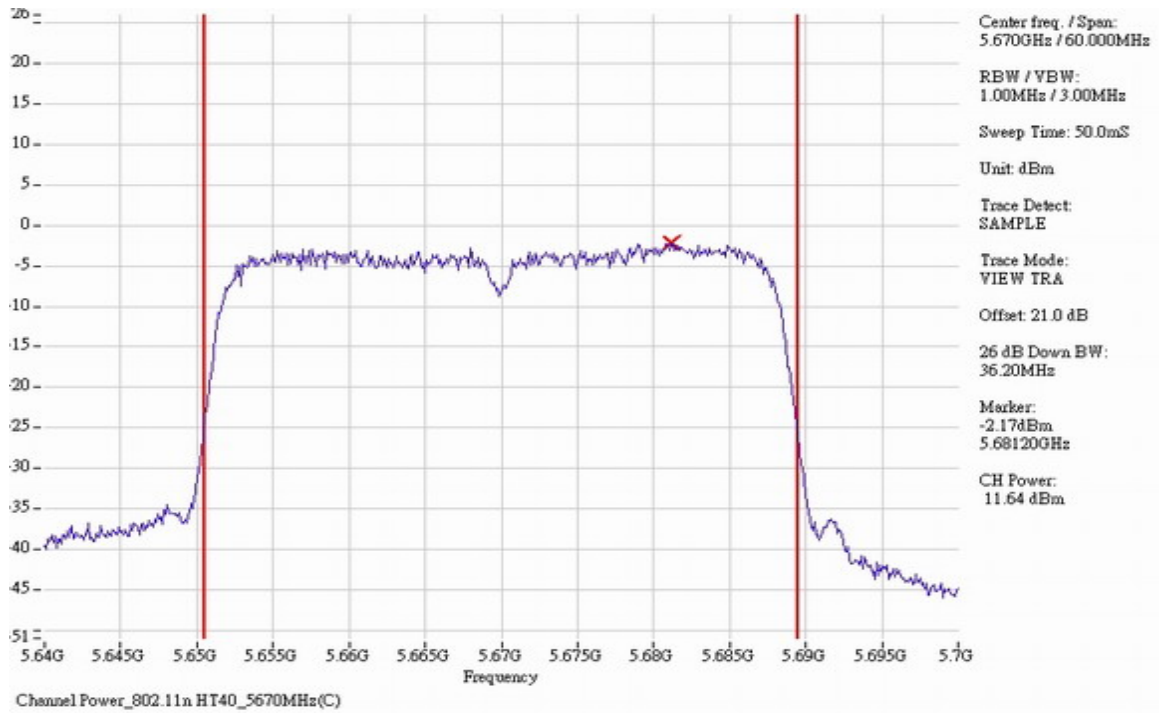
### 802.11 n (HT40) Chain C CH102 5510MHz



### 802.11 n (HT40) Chain C CH118 5590MHz

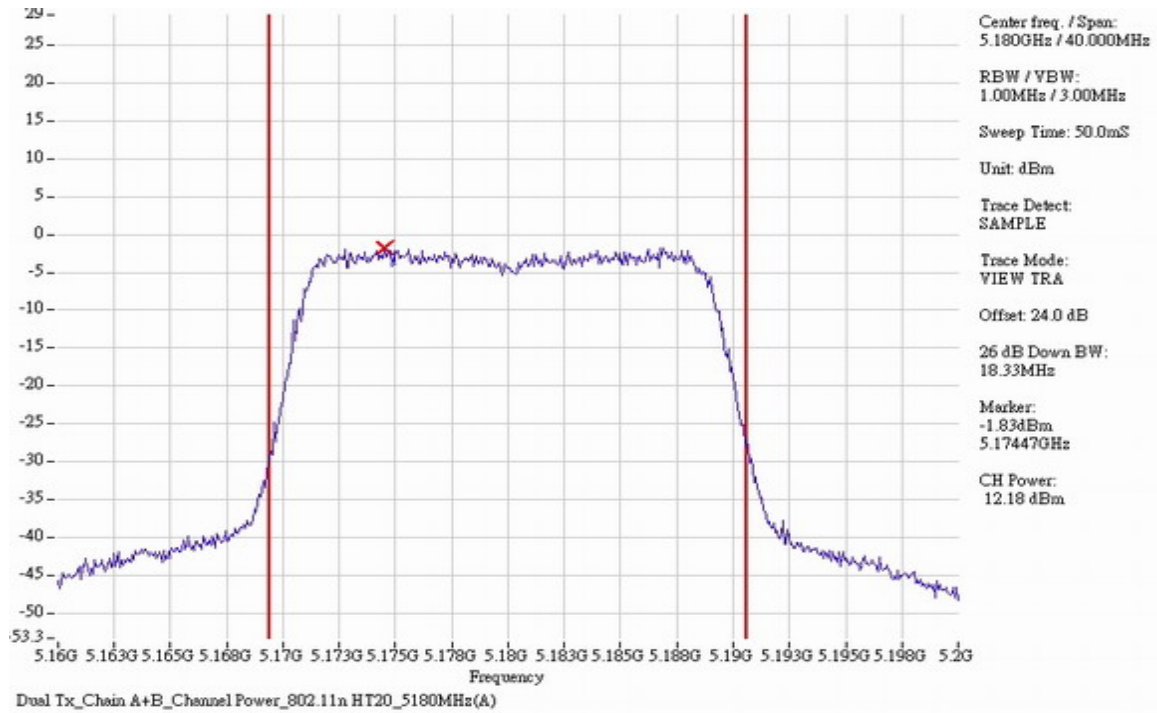


### 802.11 n (HT40) Chain C CH134 5670MHz



## Dual Tx

### 802.11 n (HT20) CH36 5180MHz Chain A+B (A)



### 802.11 n (HT20) CH36 5180MHz Chain A+B (B)

