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1. 26dB Bandwidth and 99% Bandwidth

1.1 Test Datas

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11a)	5180	20.4	16.6
40 (802.11a)	5200	20.5	16.6
48 (802.11a)	5240	20.4	16.6
52 (802.11a)	5260	20.5	16.6
56 (802.11a)	5280	20.2	16.7
64 (802.11a)	5320	20.3	16.6
100 (802.11a)	5500	20.3	16.6
120 (802.11a)	5600	20.2	16.6
140 (802.11a)	5720	15.25(U-NII-2C)+5.35(U-NII-3)	13.25(U-NII-2C)+3.35(U-NII-3)
149 (802.11a)	5745	--	16.6
157 (802.11a)	5785	--	16.7
165 (802.11a)	5825	--	16.6

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11n-HT20)	5180	20.6	17.7
40 (802.11n-HT20)	5200	20.7	17.6
48 (802.11n-HT20)	5240	20.6	17.7
52 (802.11n-HT20)	5260	20.7	17.7
56 (802.11n-HT20)	5280	20.6	17.7
64 (802.11n-HT20)	5320	20.6	17.7
100 (802.11n-HT20)	5500	20.6	17.6
120 (802.11n-HT20)	5600	20.6	17.7
140 (802.11n-HT20)	5720	15.15(U-NII-2C)+5.45(U-NII-3)	13.65(U-NII-2C)+4.05(U-NII-3)
149 (802.11n-HT20)	5745	--	17.7
157 (802.11n-HT20)	5785	--	17.7
165 (802.11n-HT20)	5825	--	17.7

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11ac20)	5180	20.6	17.7
40 (802.11ac20)	5200	20.7	17.7
48 (802.11ac20)	5240	20.5	17.6
52 (802.11ac20)	5260	20.6	17.6
56 (802.11ac20)	5280	20.7	17.6
64 (802.11ac20)	5320	20.4	17.6
100 (802.11ac20)	5500	20.7	17.6
120 (802.11ac20)	5600	20.6	17.7
140 (802.11ac20)	5720	15.15(U-NII-2C)+5.45(U-NII-3)	13.65(U-NII-2C)+4.05(U-NII-3)
149 (802.11ac20)	5745	--	17.7
157 (802.11ac20)	5785	--	17.7
165 (802.11ac20)	5825	--	17.7

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38 (802.11n-HT40)	5190	40.98	36.50
46 (802.11n-HT40)	5230	40.13	36.25
54 (802.11n-HT40)	5270	40.68	36.25
62 (802.11n-HT40)	5310	40.98	36.50
102 (802.11n-HT40)	5510	40.53	36.50
118 (802.11n-HT40)	5590	40.68	36.25
134 (802.11n-HT40)	5710	35.412(U-NII-2C)+5.713(U-NII-3)	32.875(U-NII-2C)+3.375(U-NII-3)
151 (802.11n-HT40)	5755	--	36.25
159 (802.11n-HT40)	5795	--	36.25

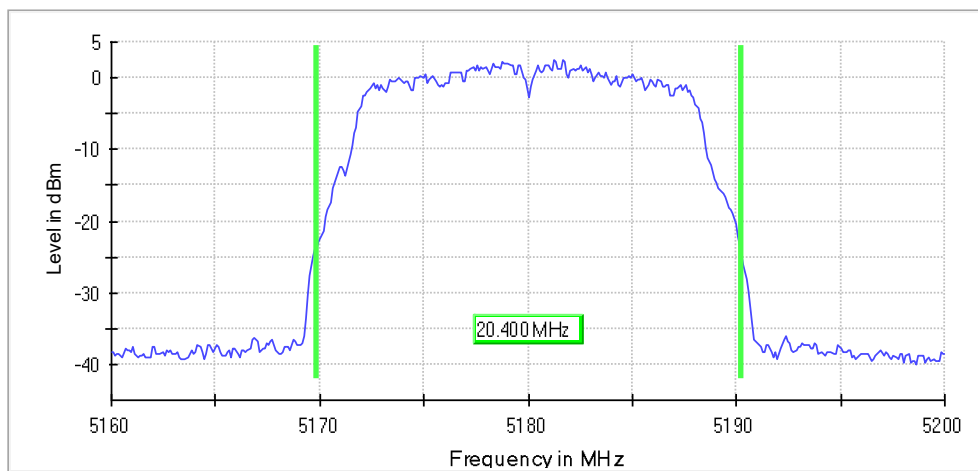
Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38 (802.11ac40)	5190	40.13	36.50
46 (802.11ac40)	5230	40.13	36.25
54 (802.11ac40)	5270	40.83	36.25
62 (802.11ac40)	5310	40.98	36.50
102 (802.11ac40)	5510	40.98	36.50
118 (802.11ac40)	5590	40.83	36.25
134 (802.11ac40)	5710	35.26(U-NII-2C)+5.56(U-NII-3)	33.125(U-NII-2C)+3.375(U-NII-3)
151 (802.11ac40)	5755	--	36.50
159 (802.11ac40)	5795	--	36.25

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
42 (802.11ac80)	5210	82.5	76.6
58 (802.11ac80)	5290	82.0	76.0
106 (802.11ac80)	5530	83.0	76.0
138 (802.11ac80)	5690	75.75(U-NII-2C)+6.25(U-NII-3)	72.75(U-NII-2C)+3.25(U-NII-3)
155 (802.11ac80)	5775	--	75.5

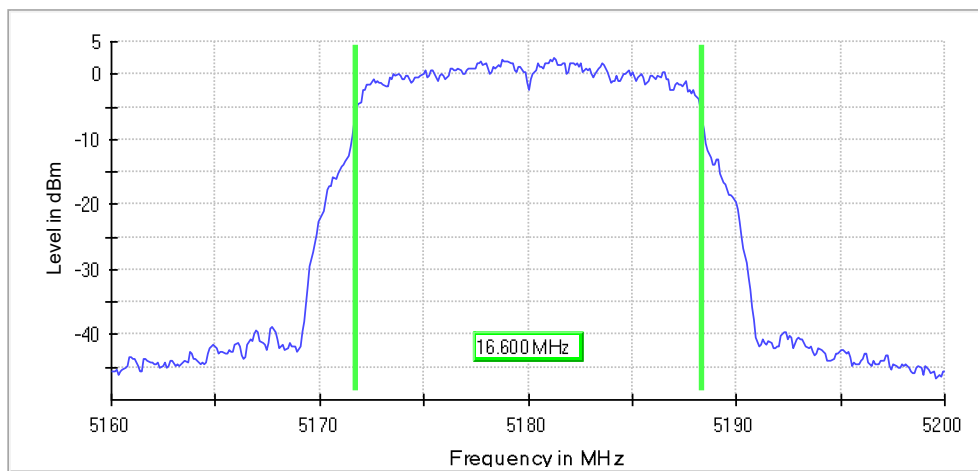
1.2 Test Graphs

802.11a

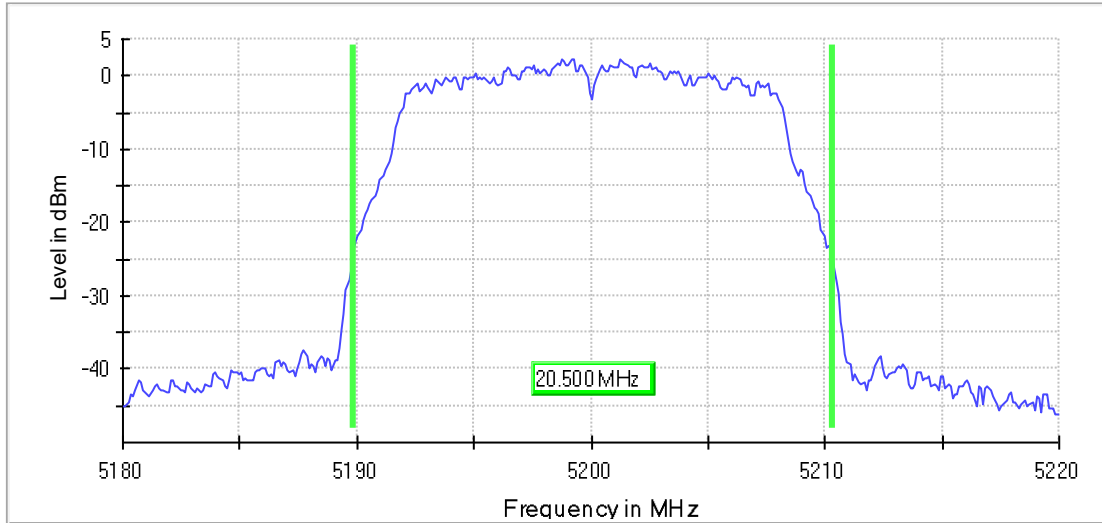
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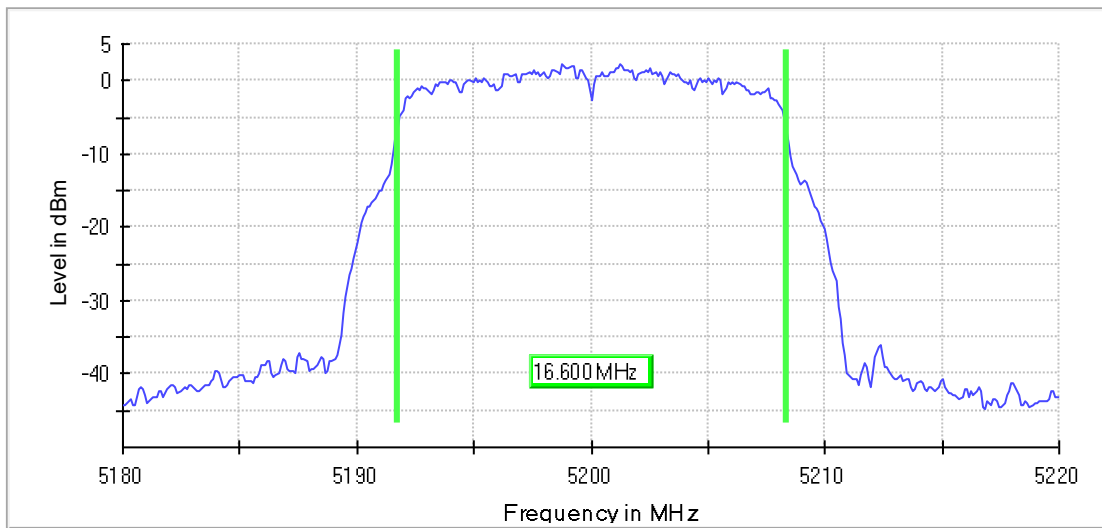
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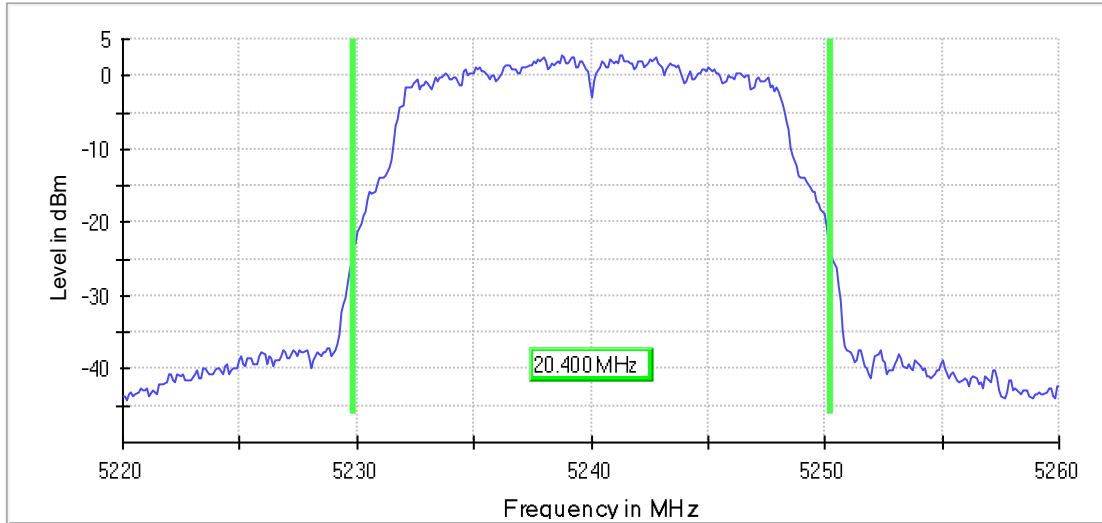
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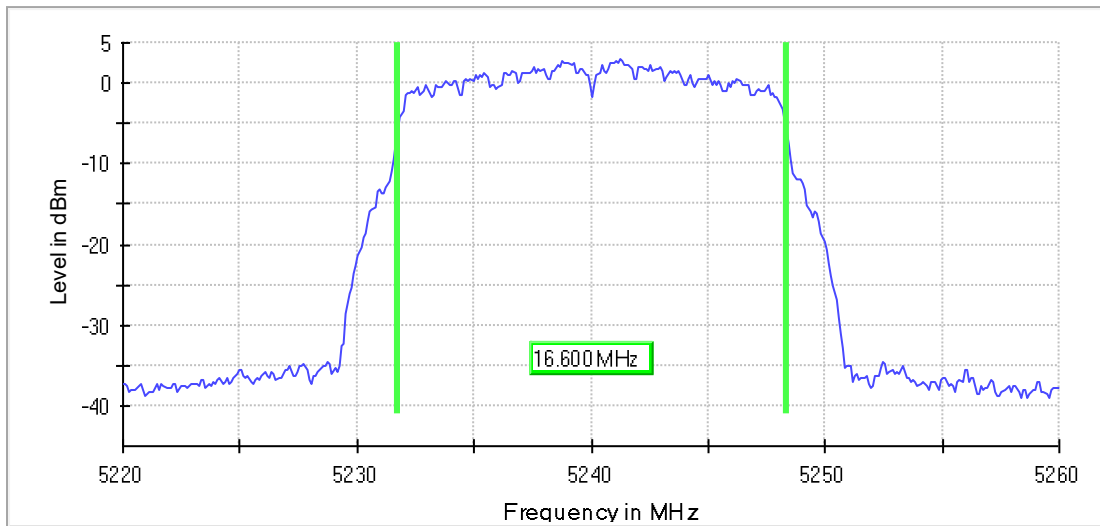
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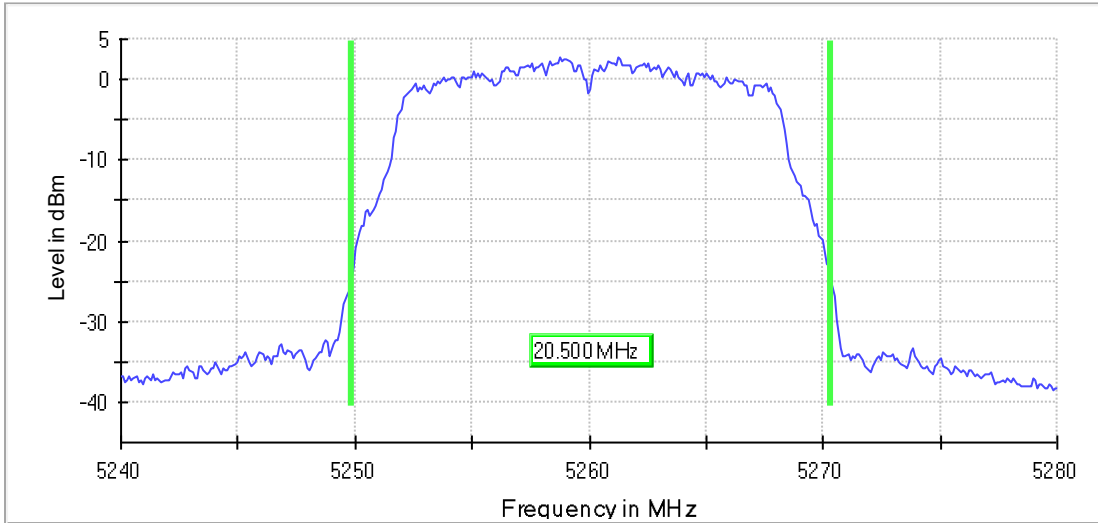
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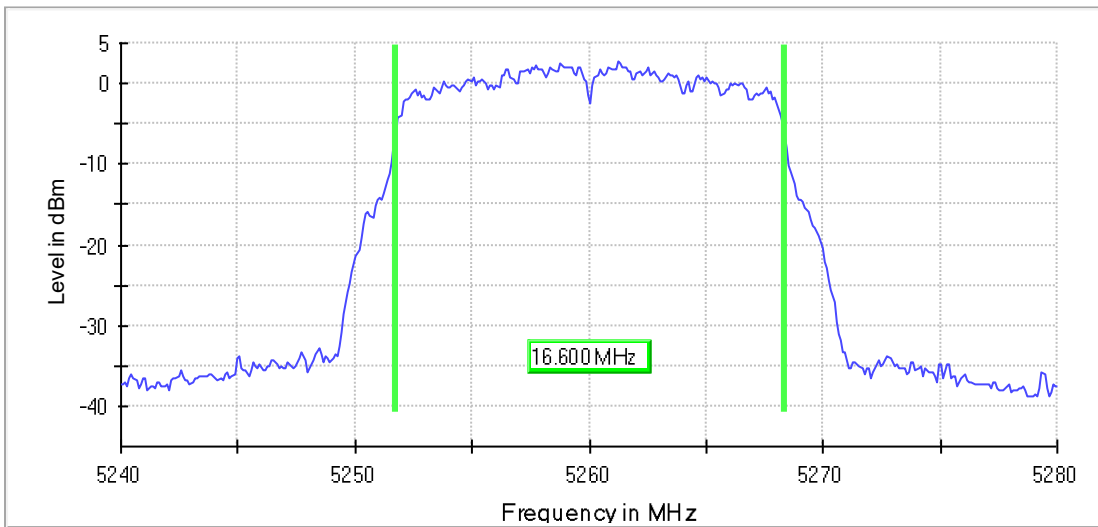
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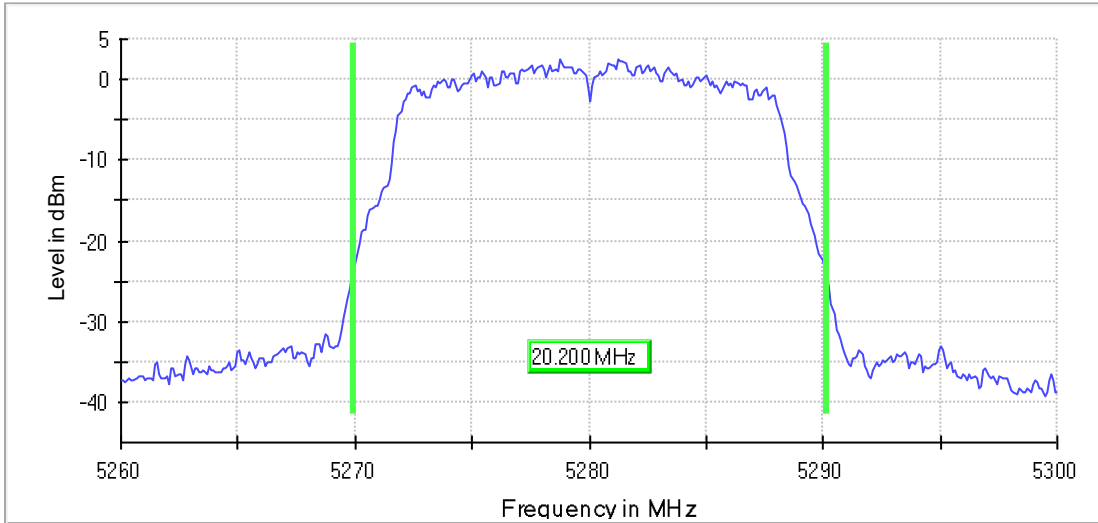
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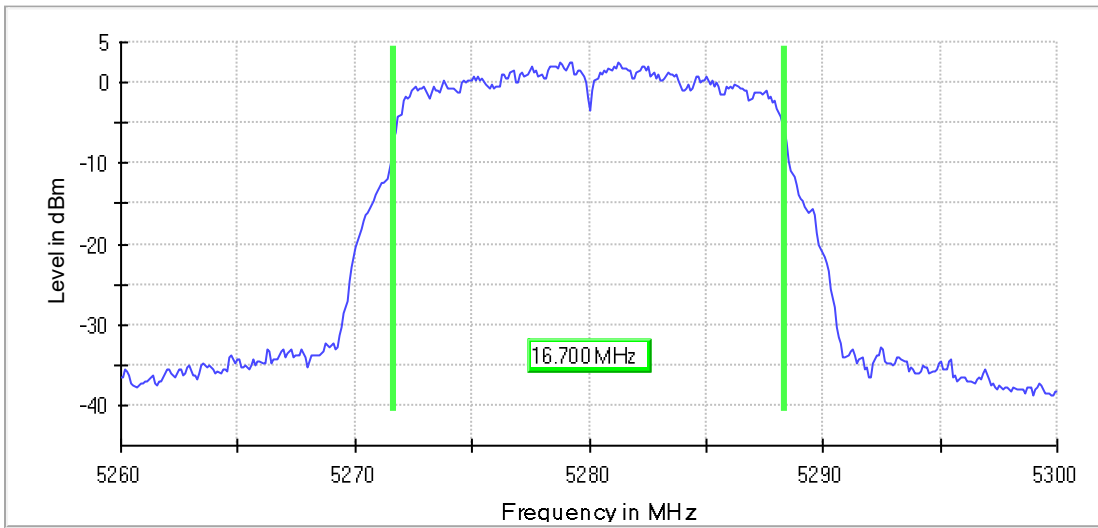
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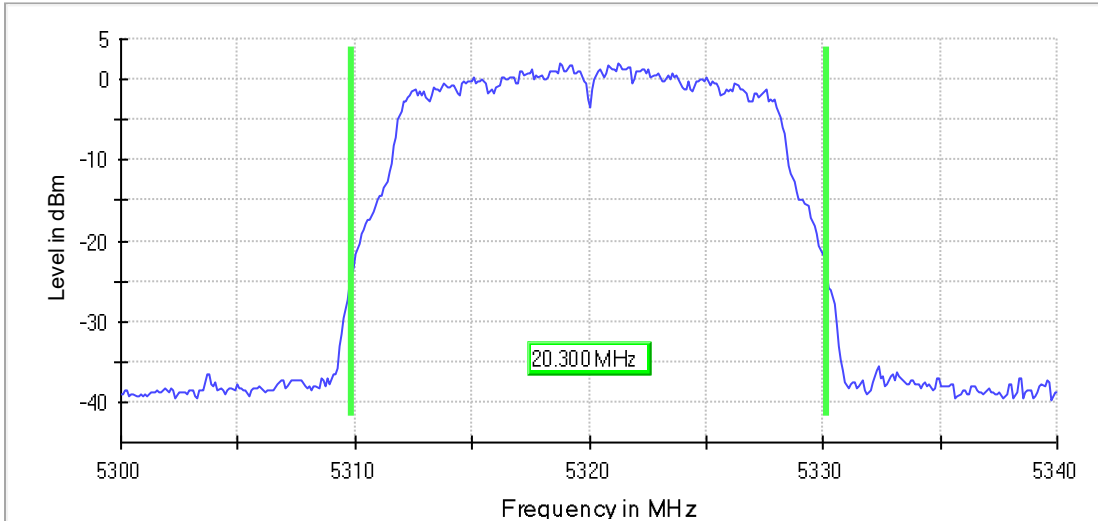
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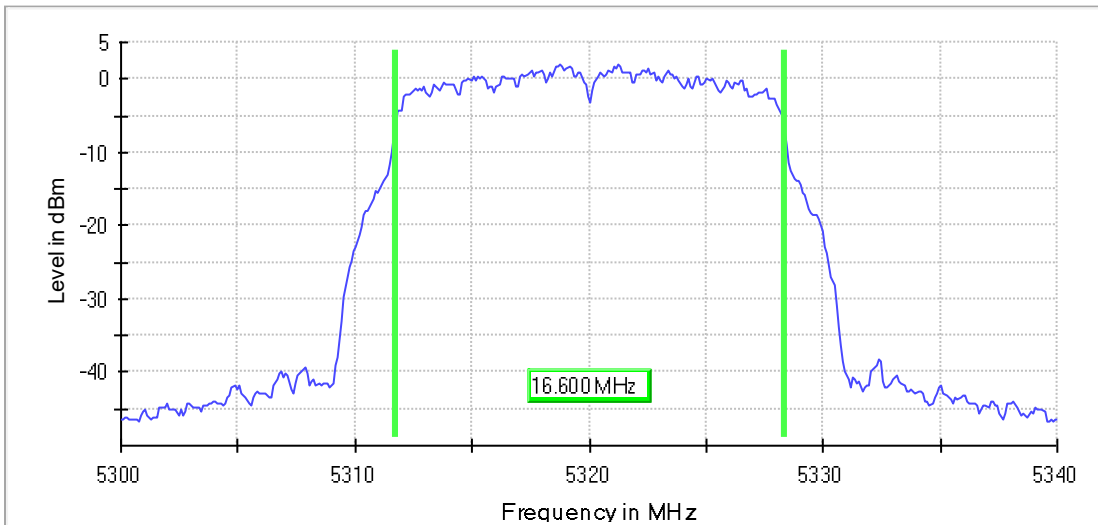
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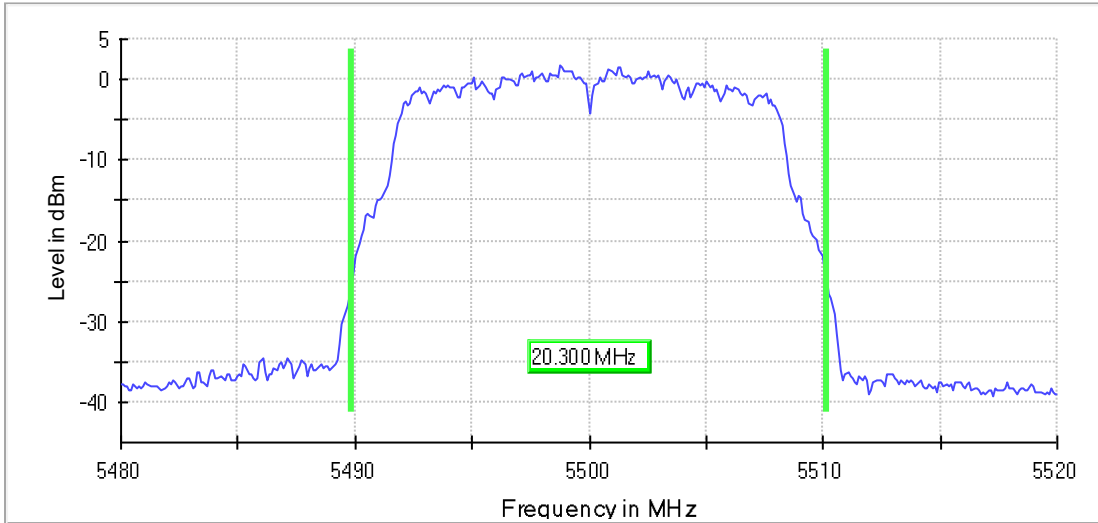
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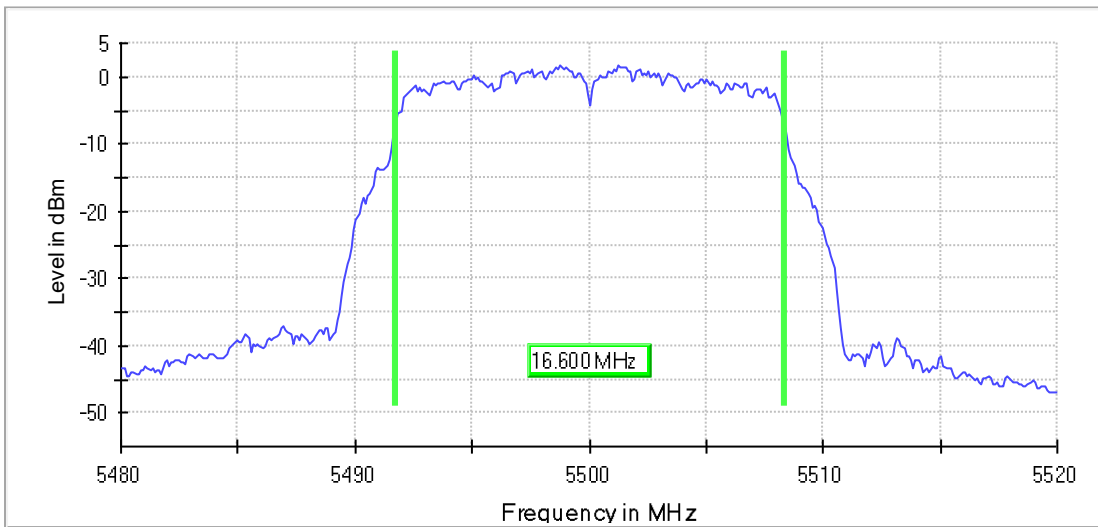
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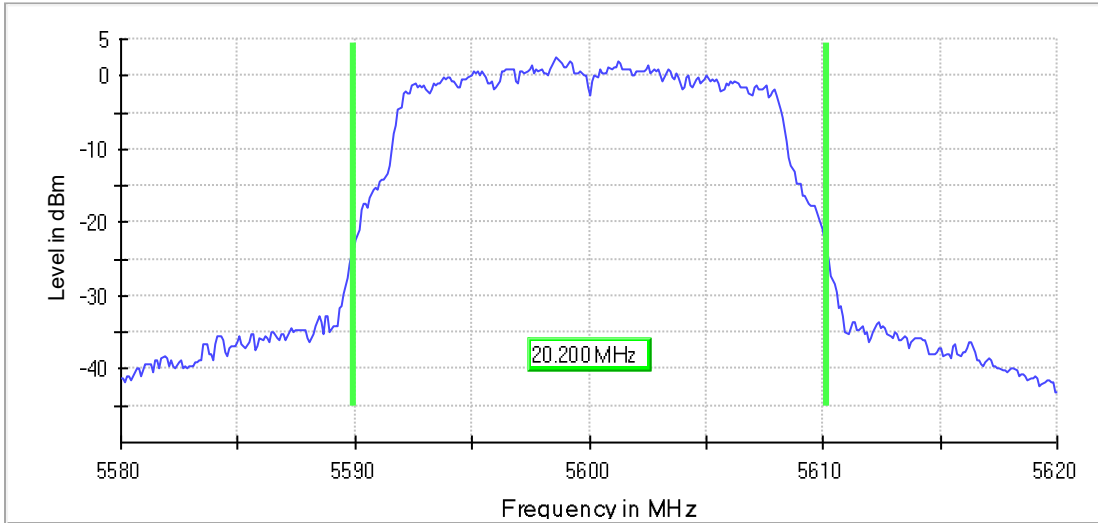
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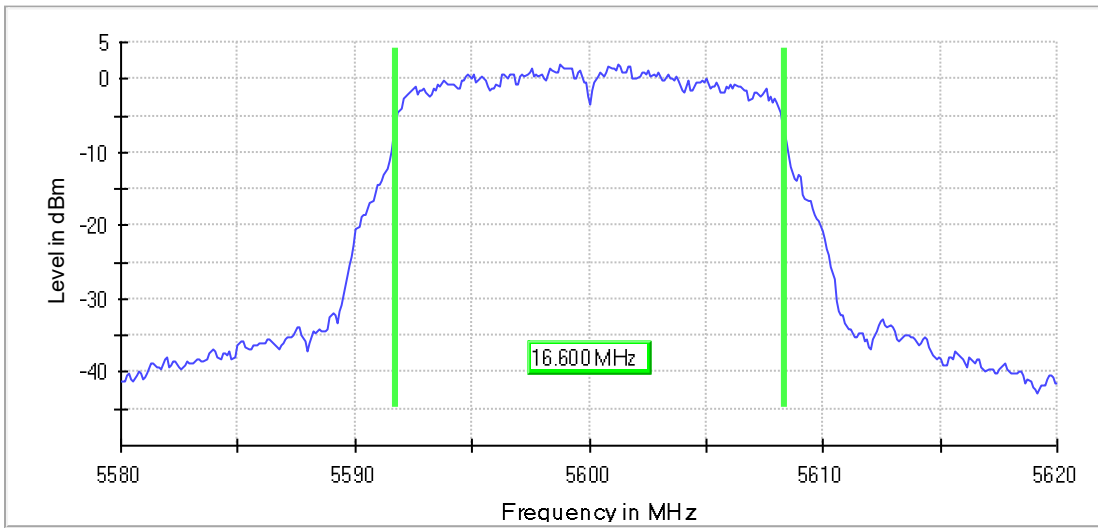
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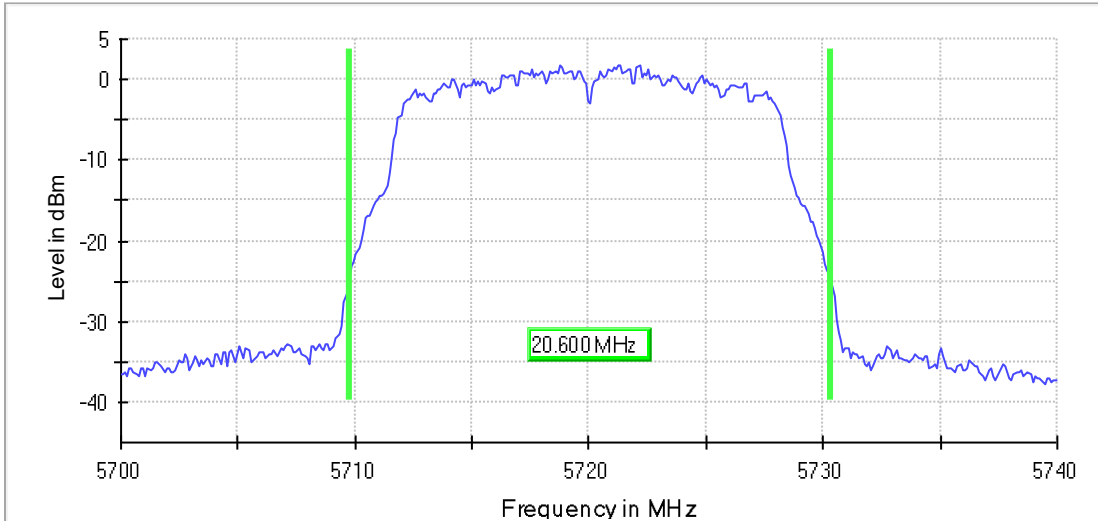
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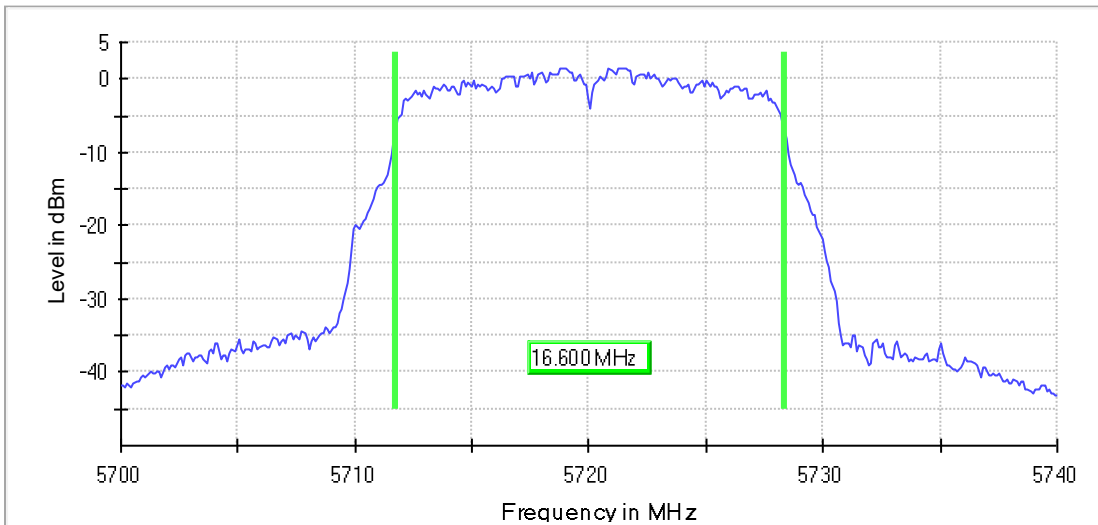
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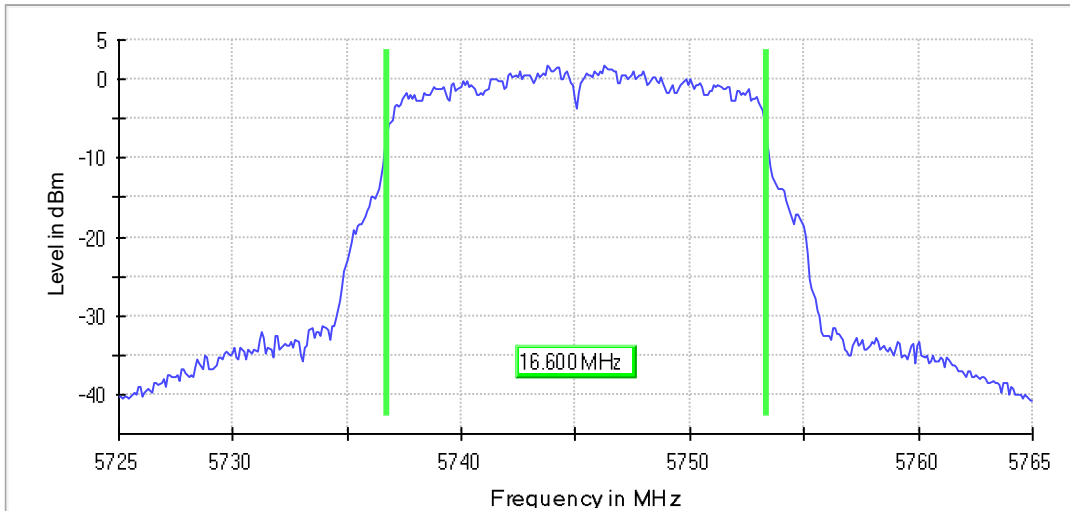
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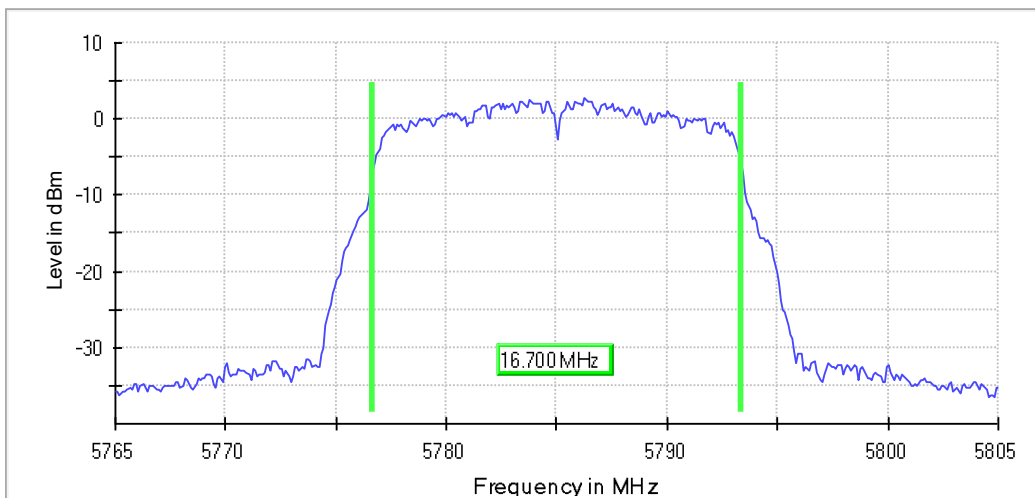
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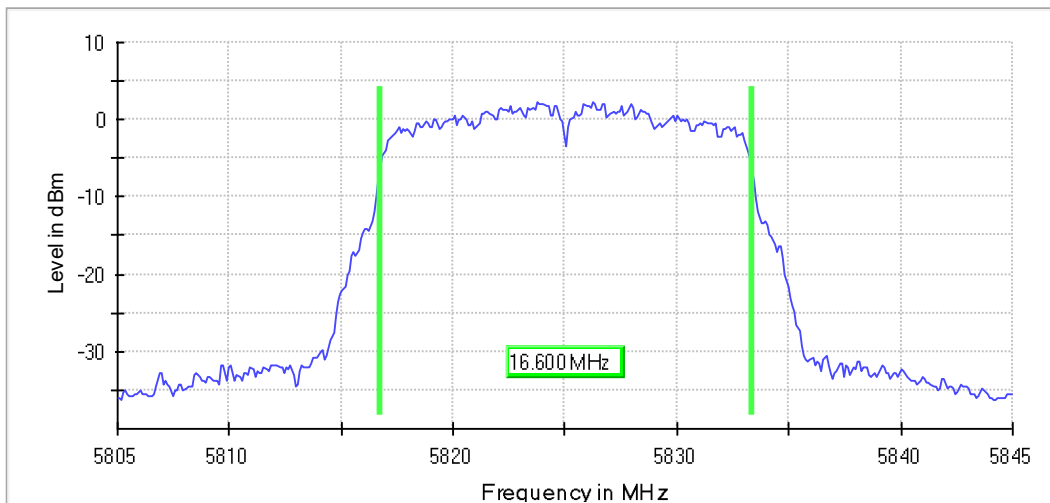
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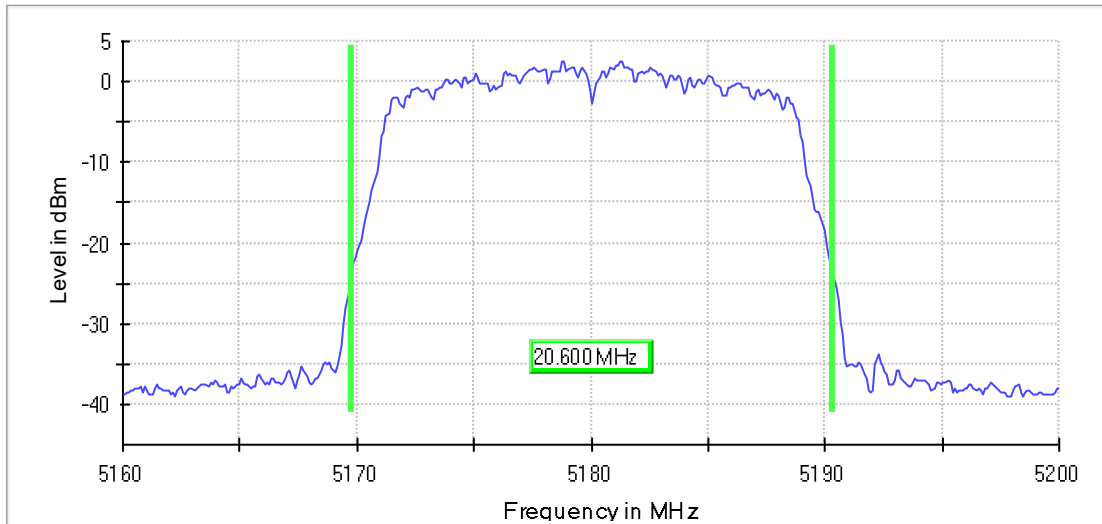


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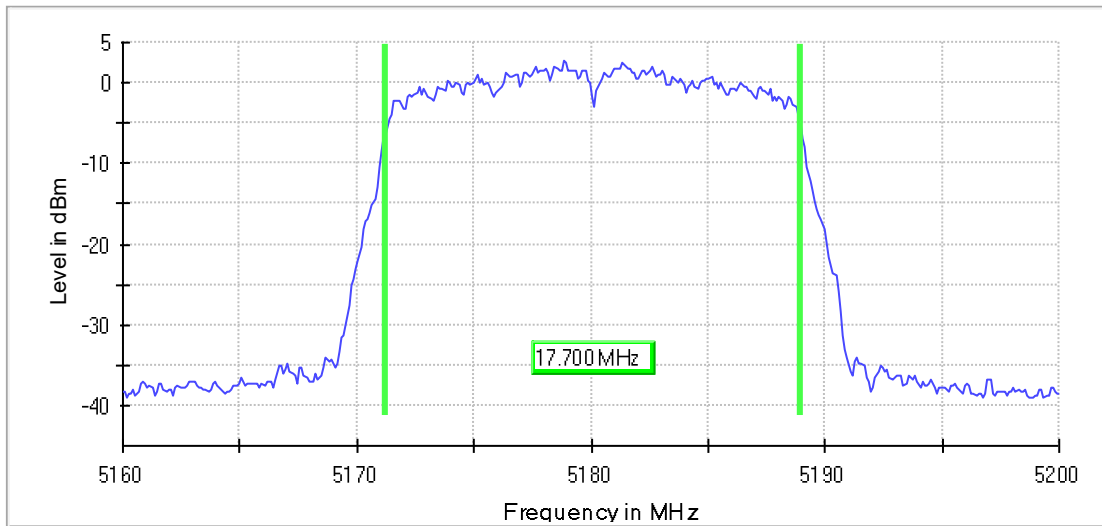


802.11n-HT20

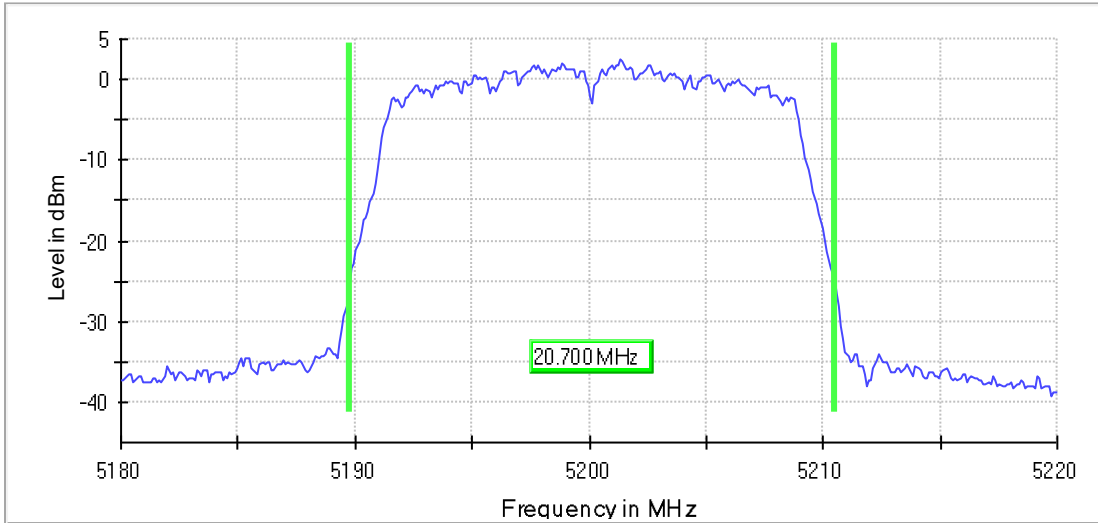
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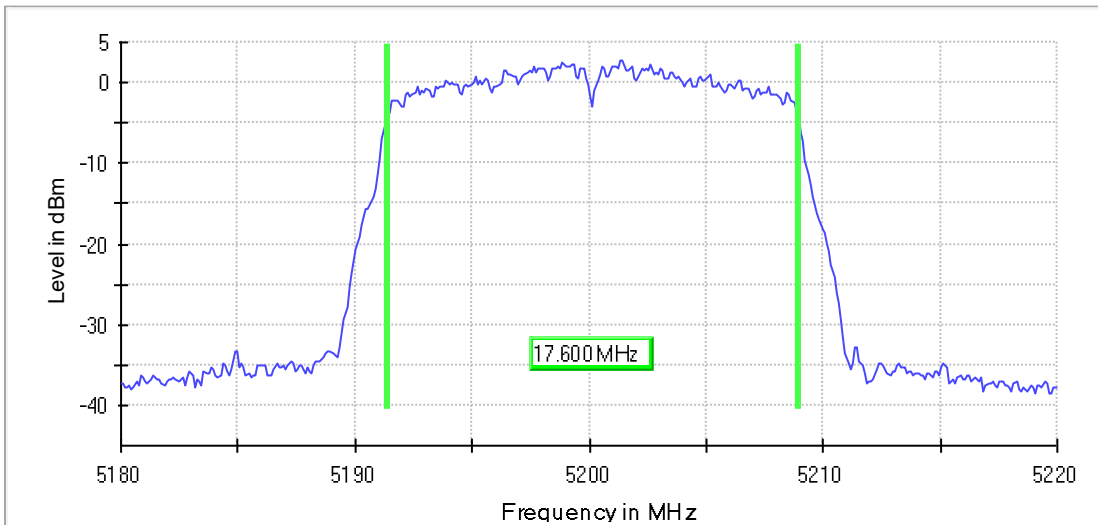
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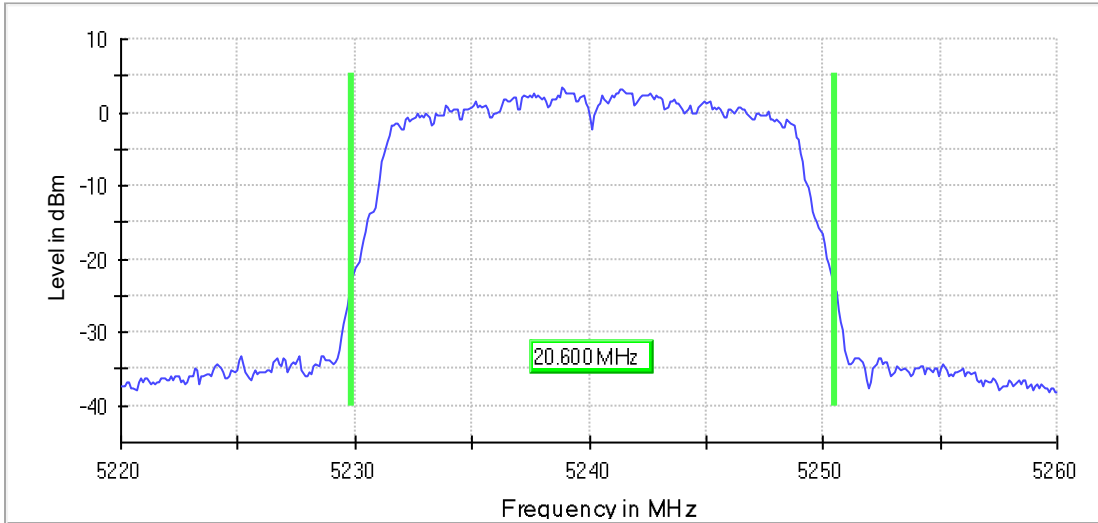
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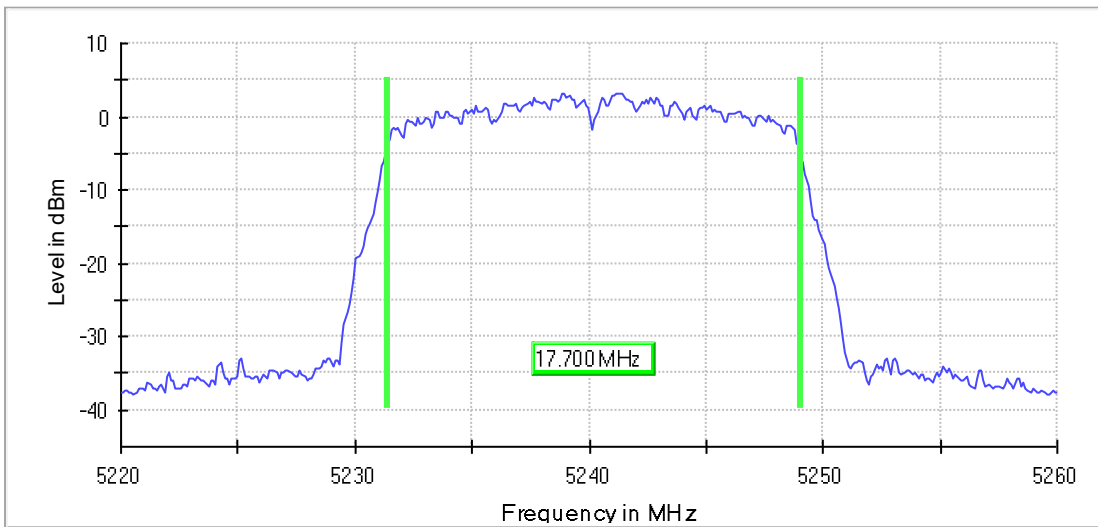
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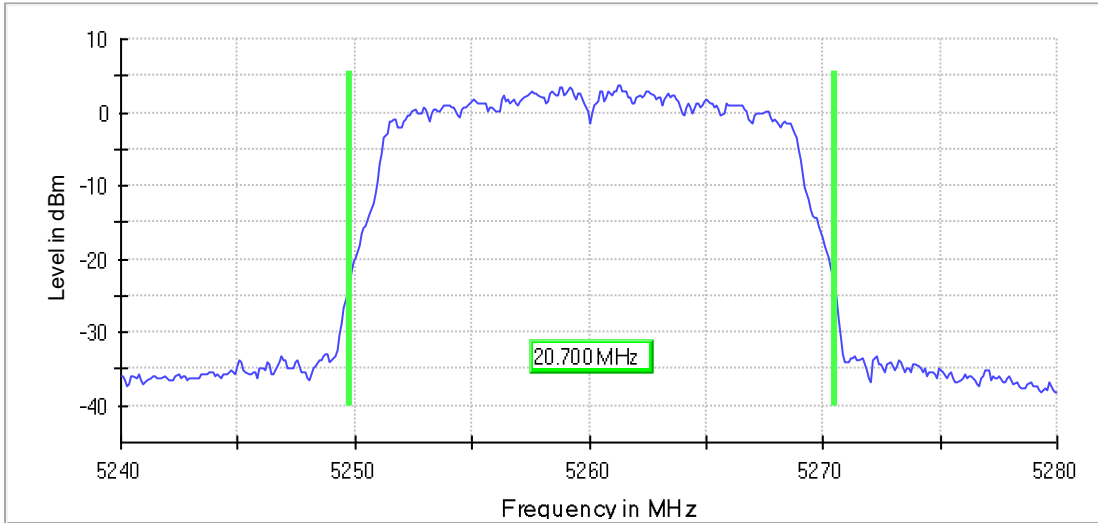
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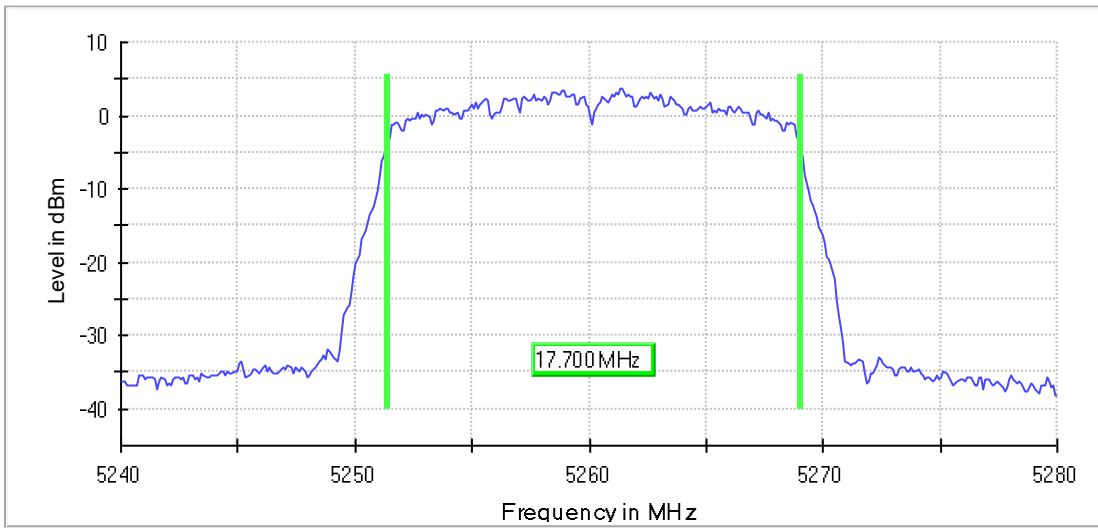
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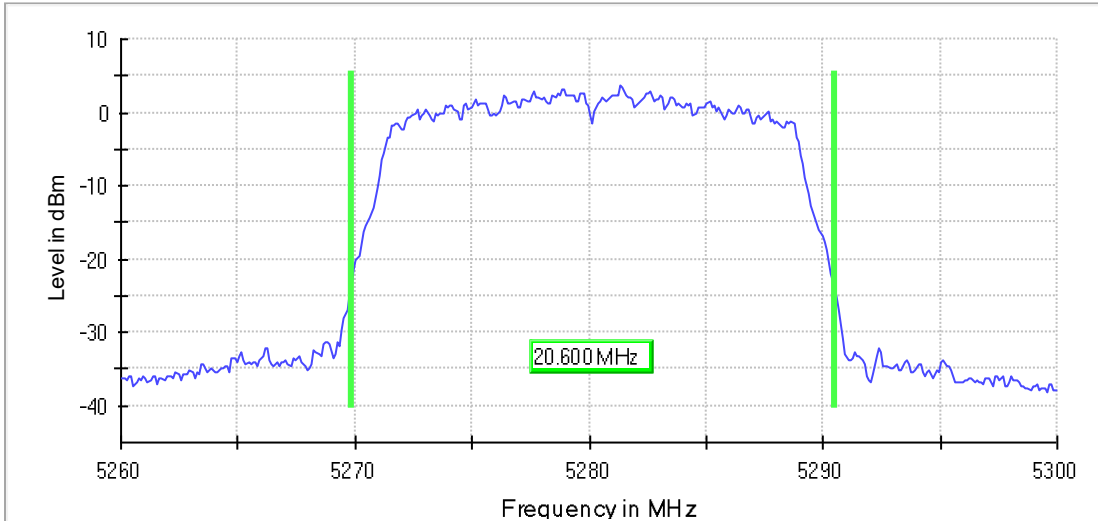
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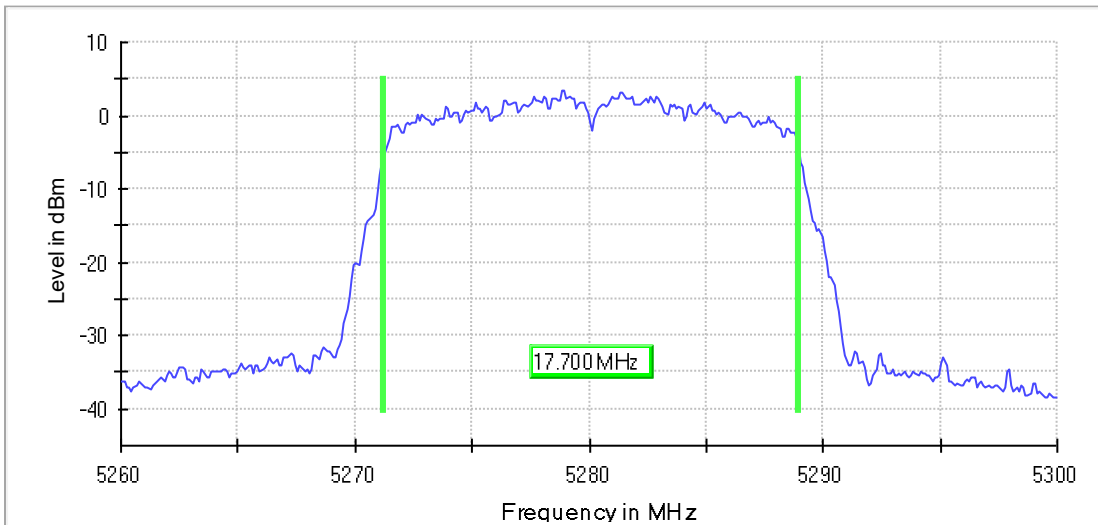
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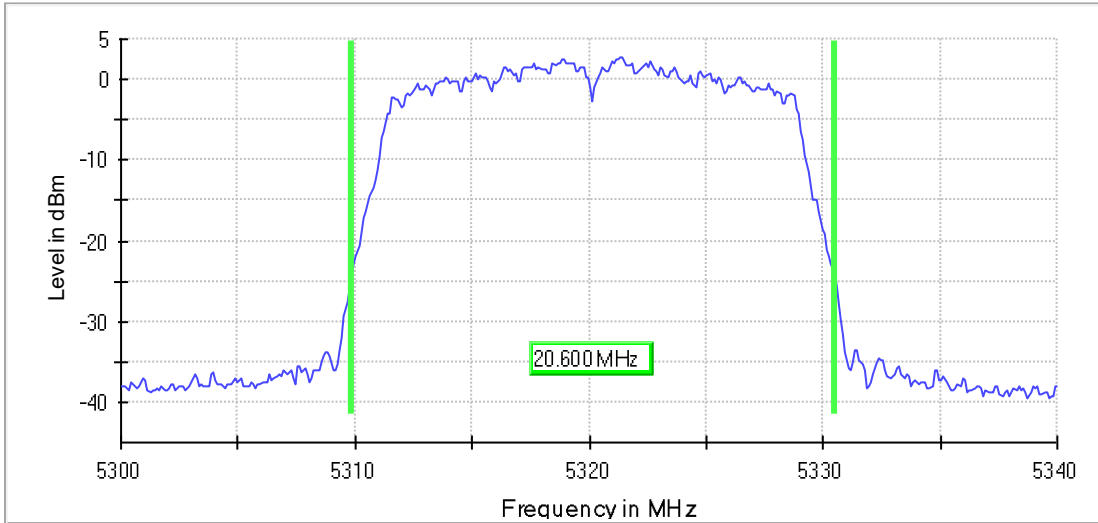
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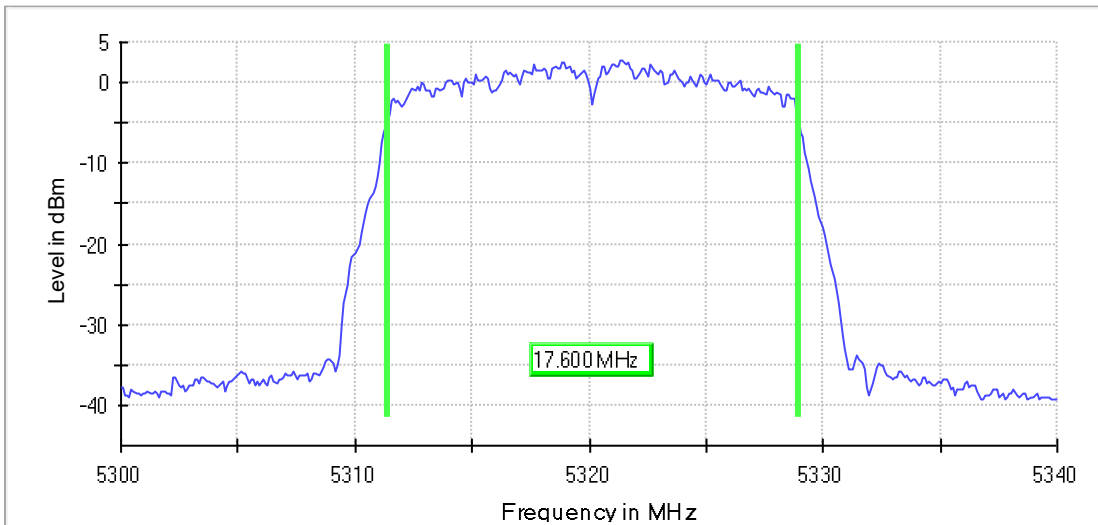
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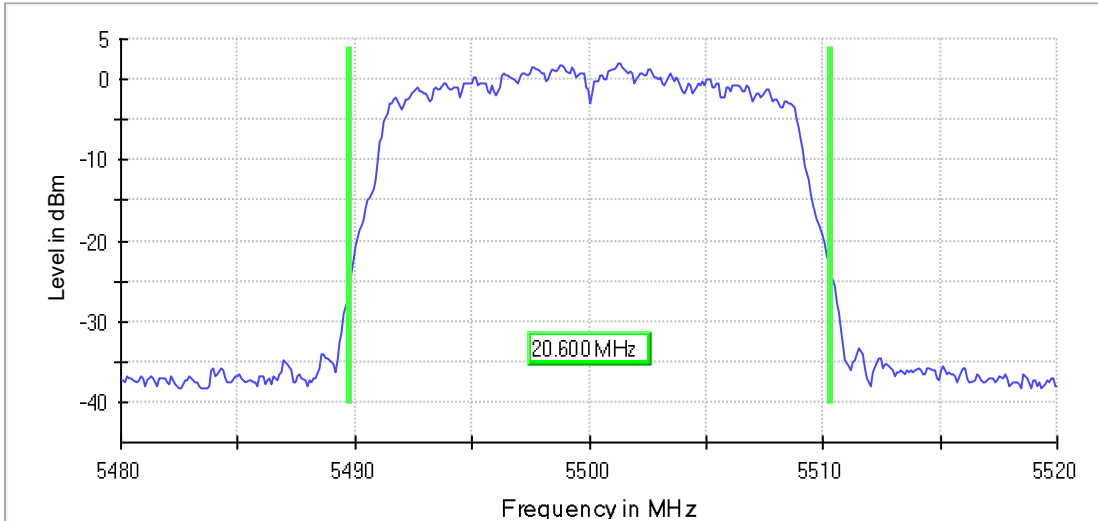
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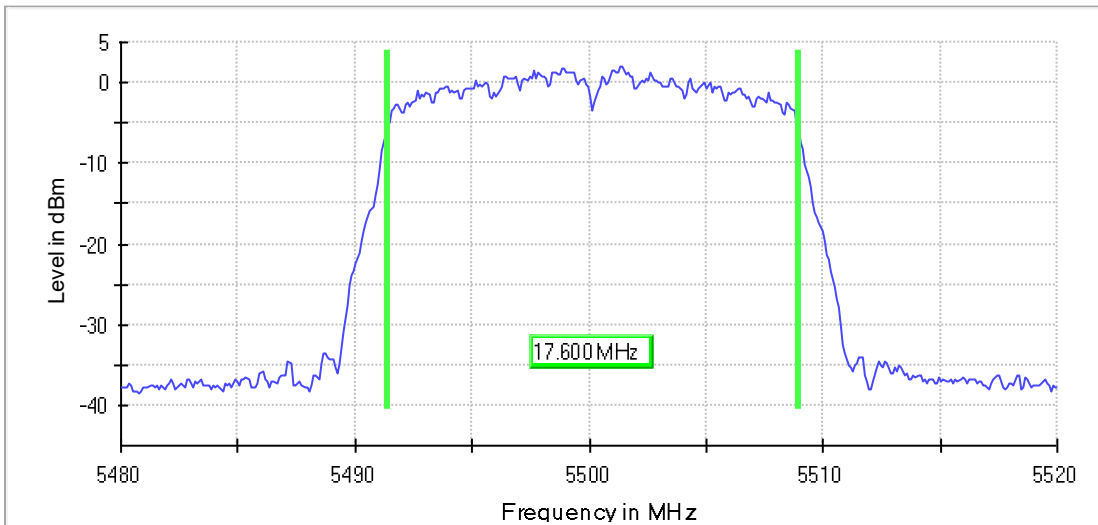
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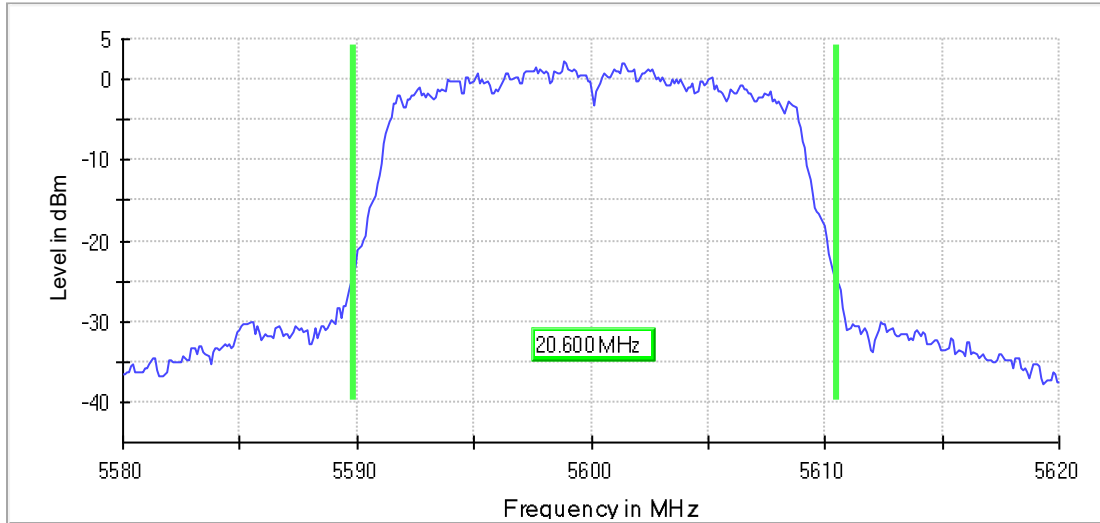
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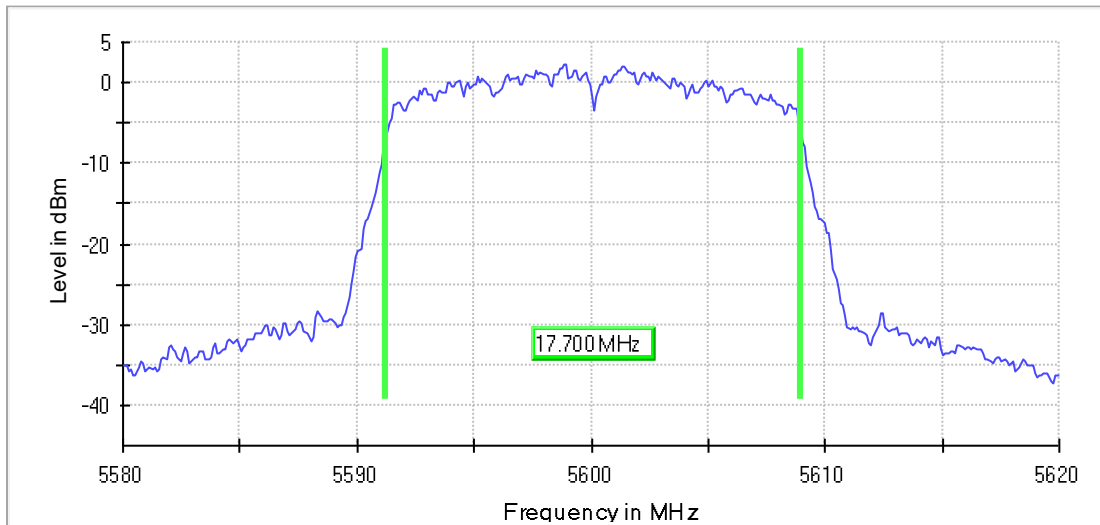
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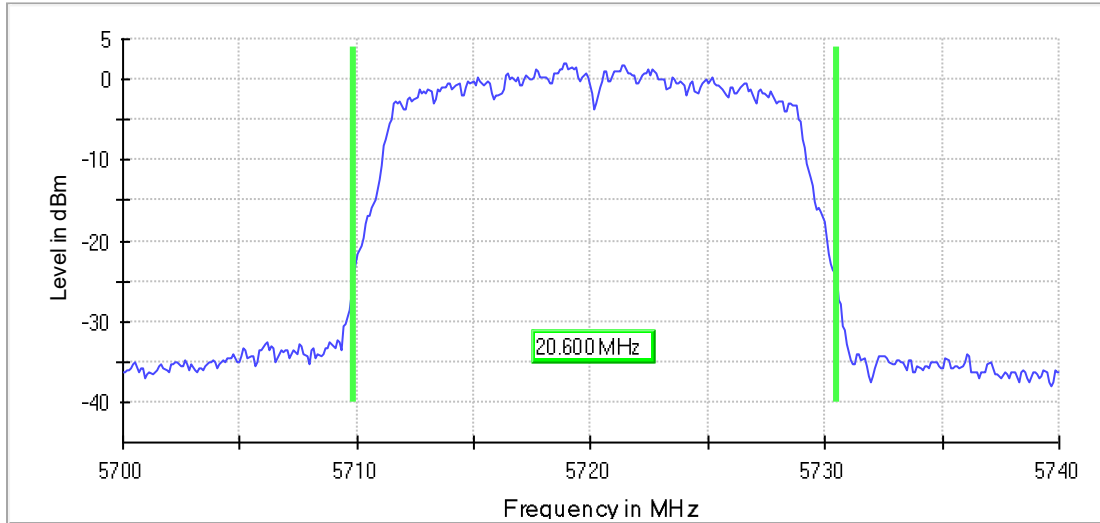
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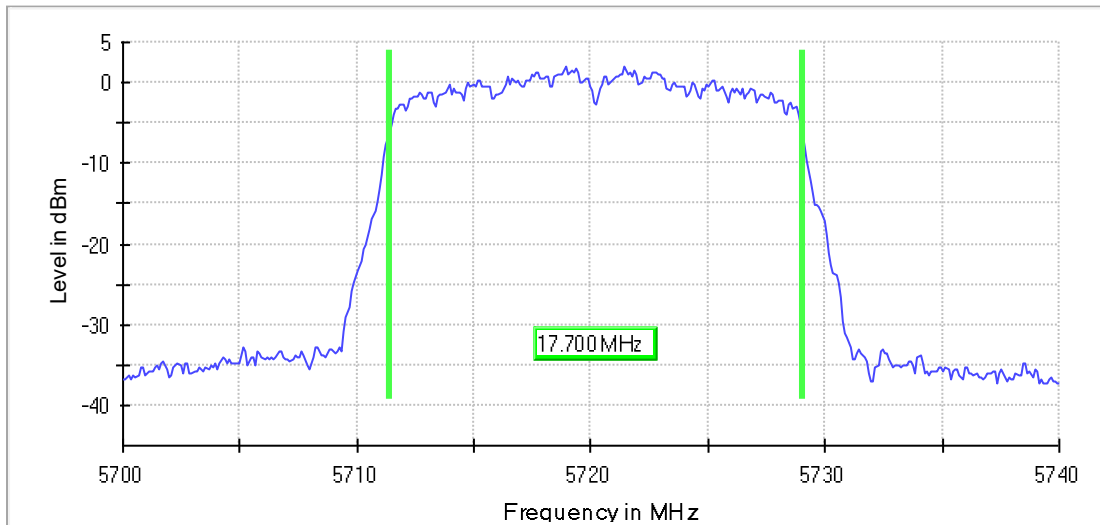
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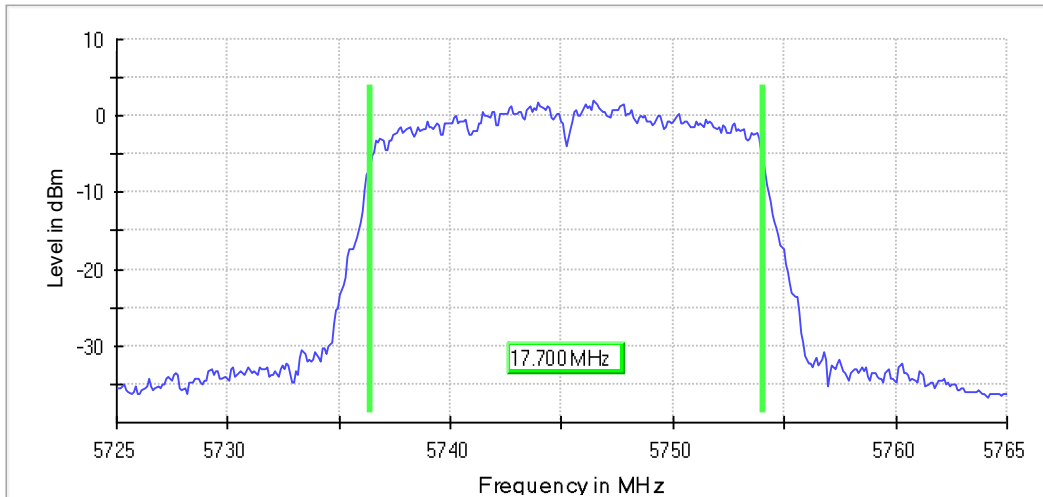
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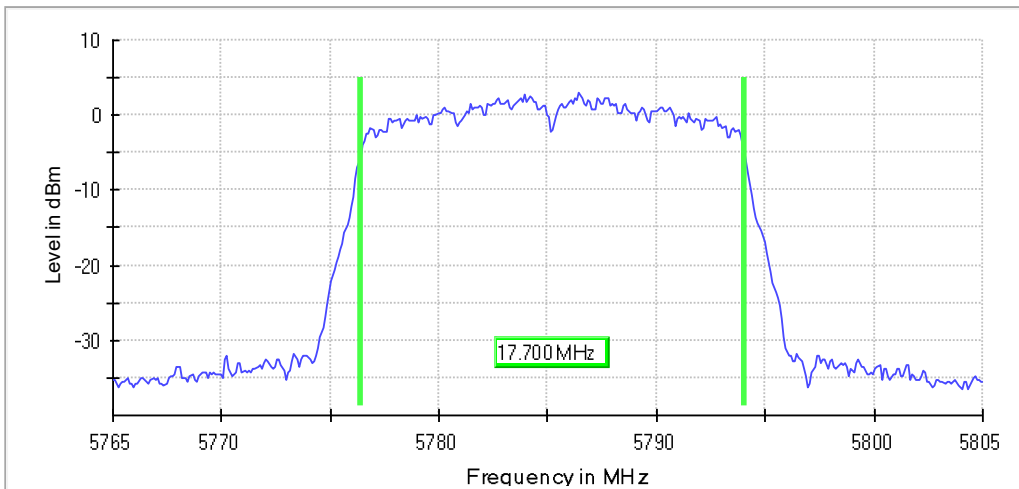
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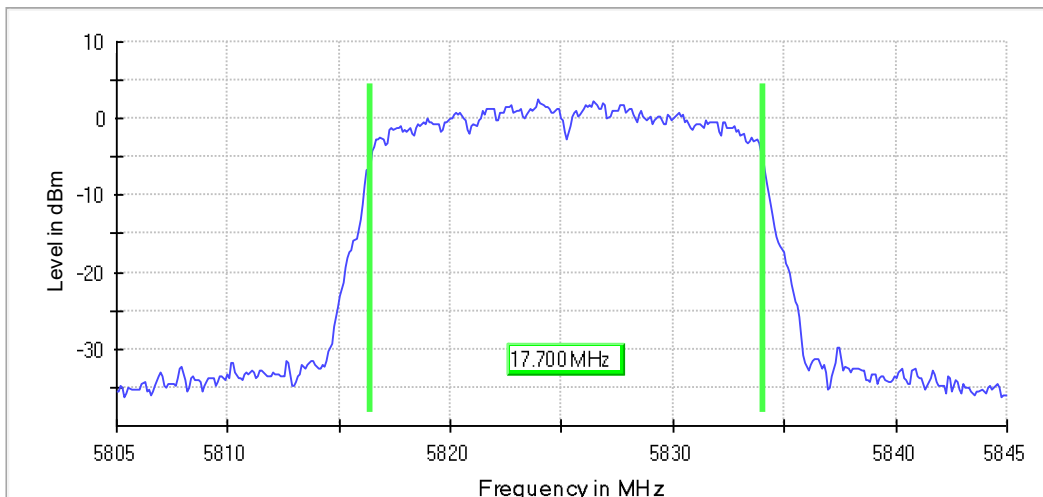
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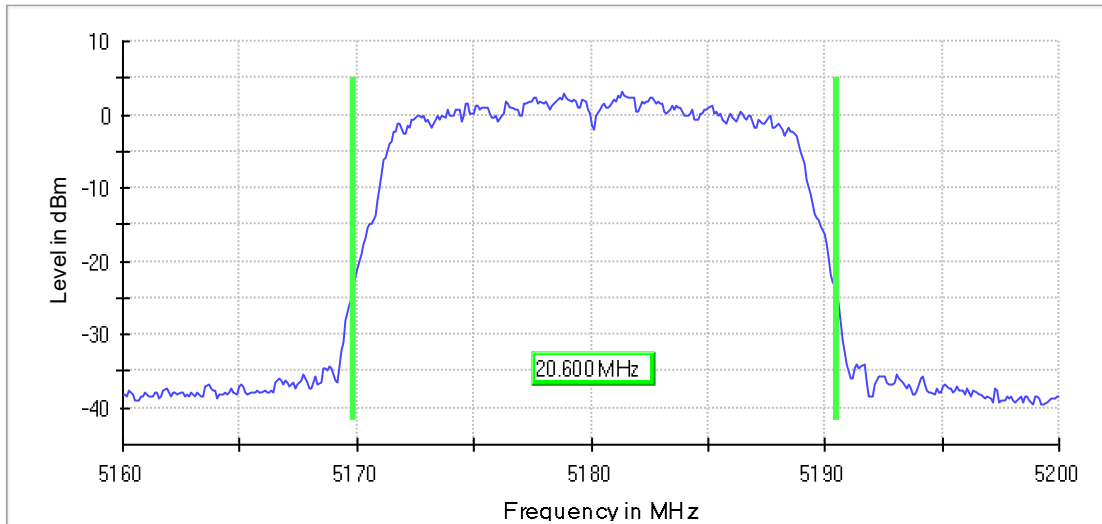


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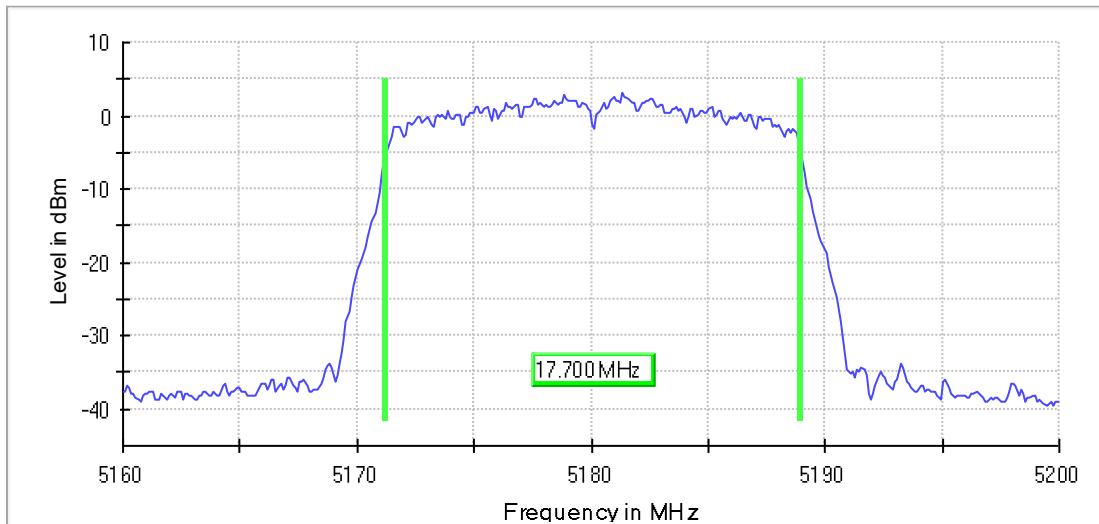


802.11ac20

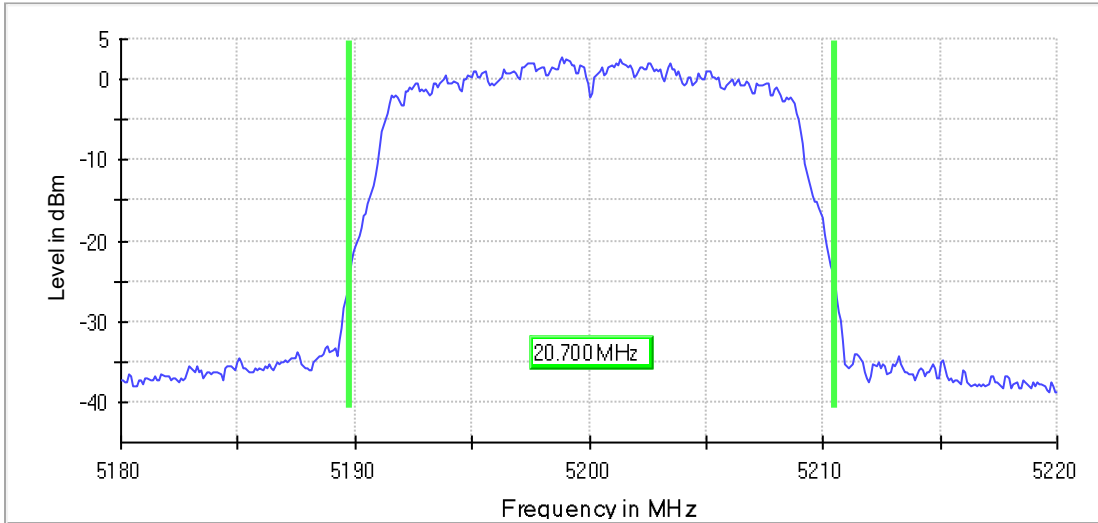
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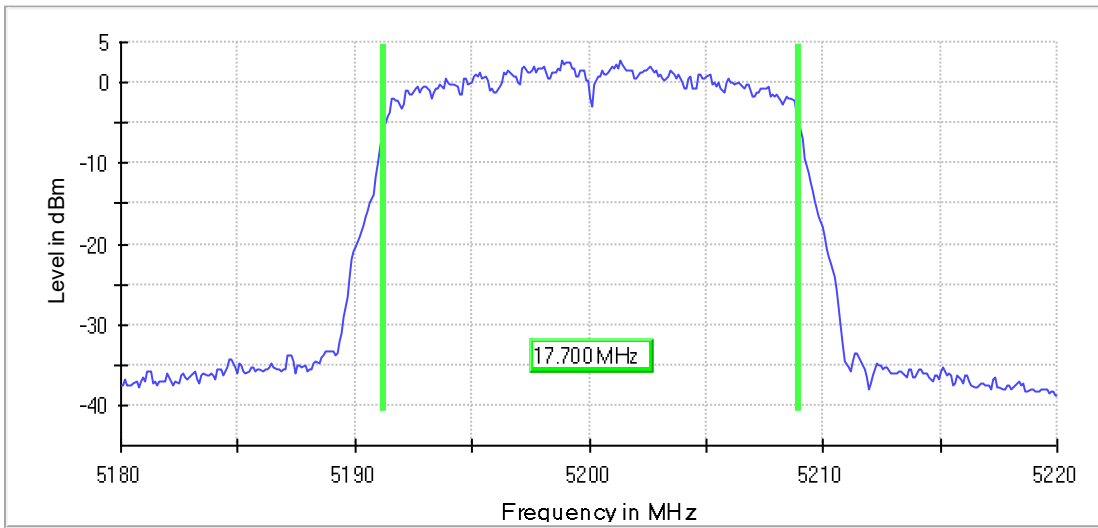
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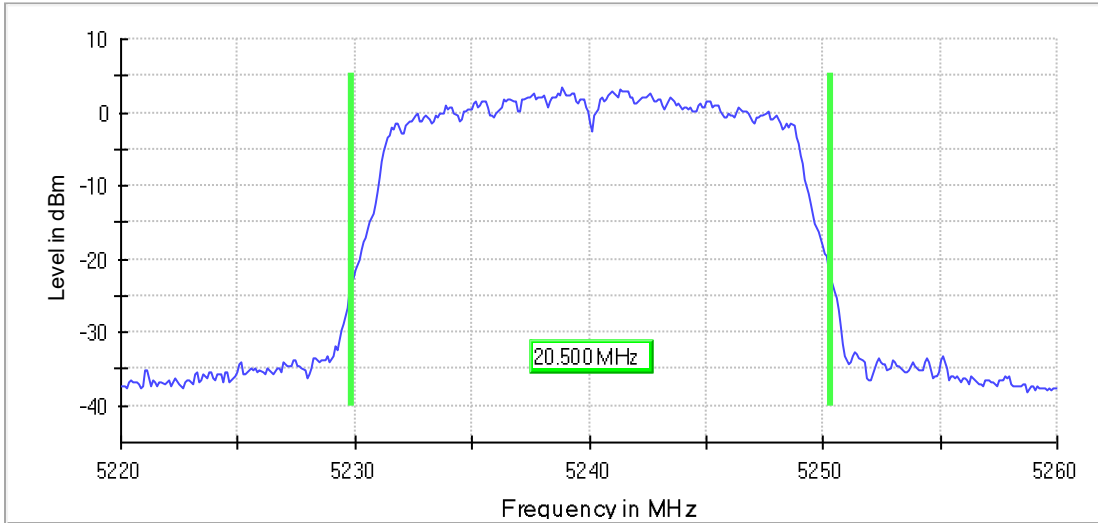
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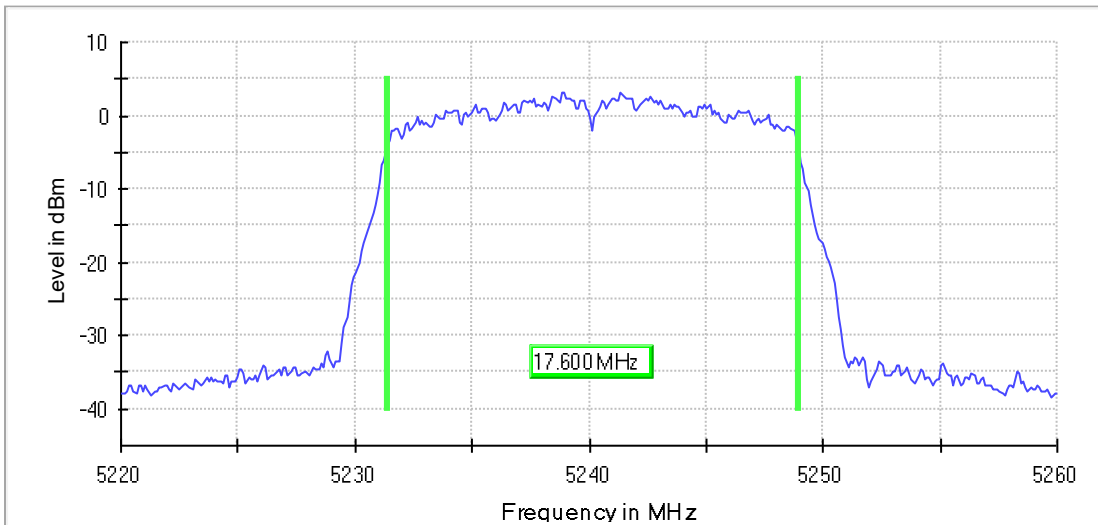
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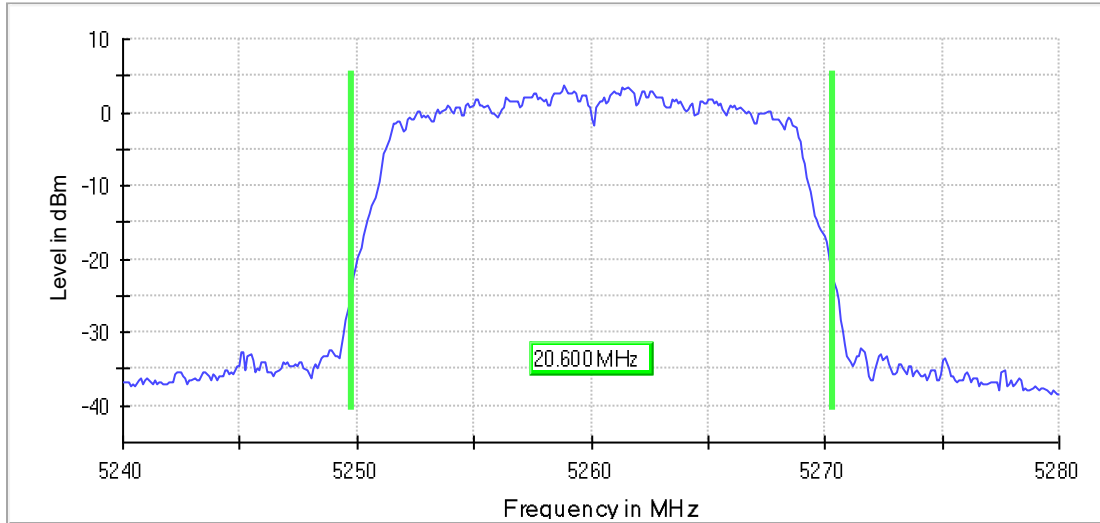
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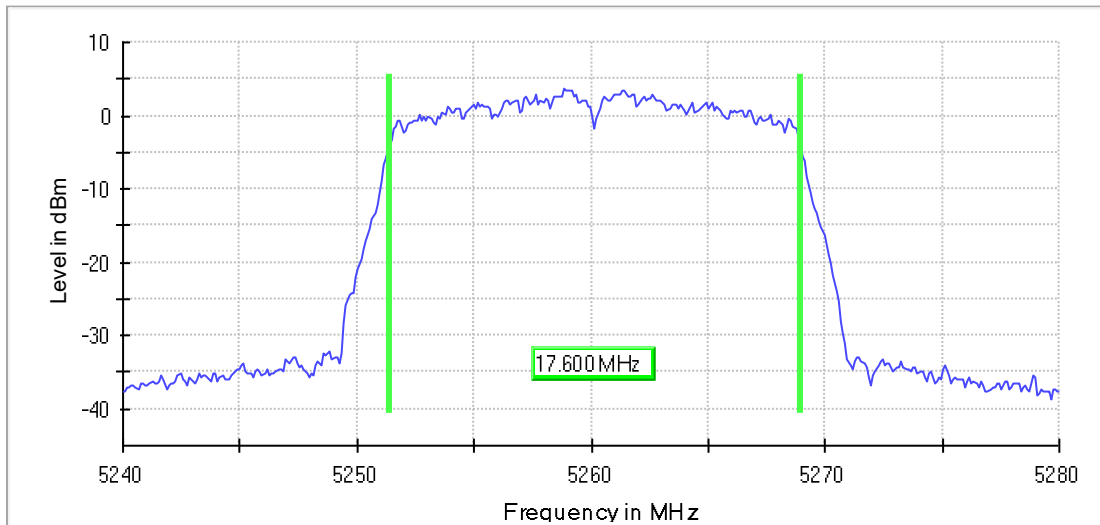
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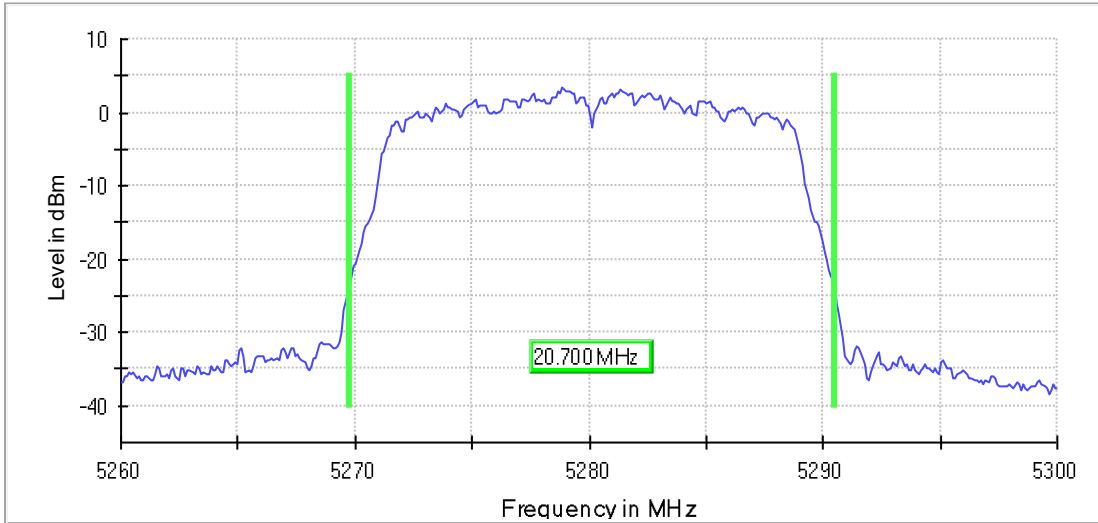
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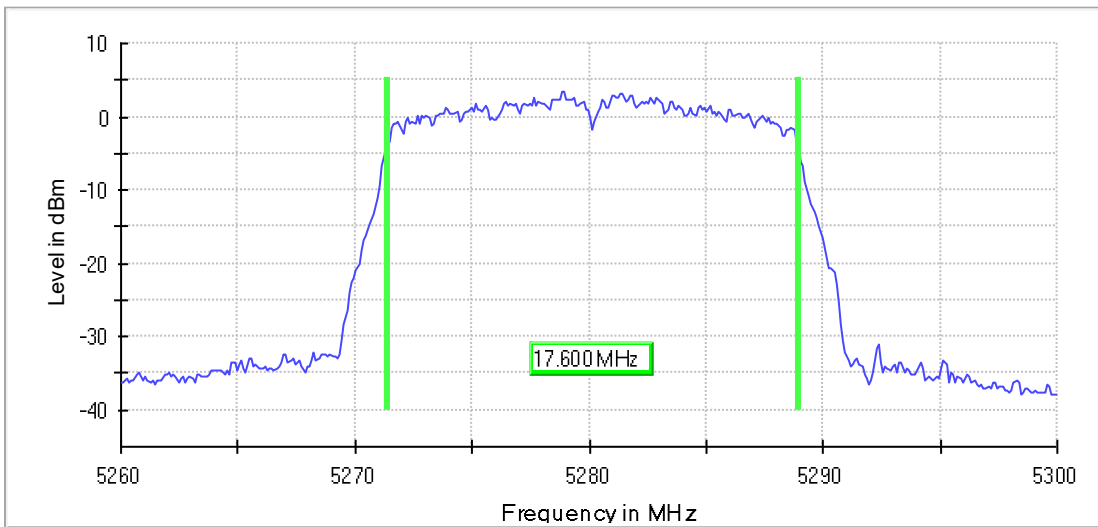
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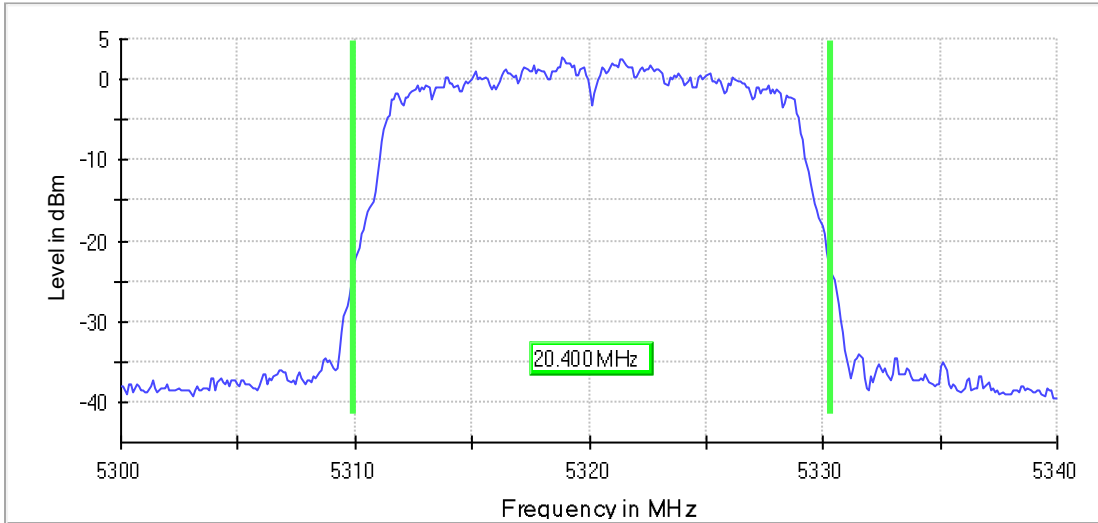
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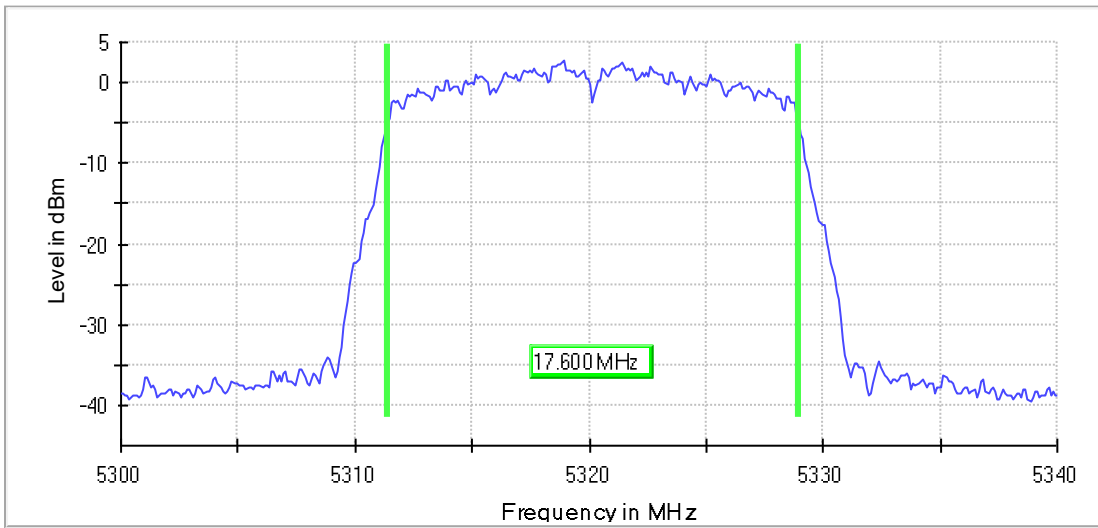
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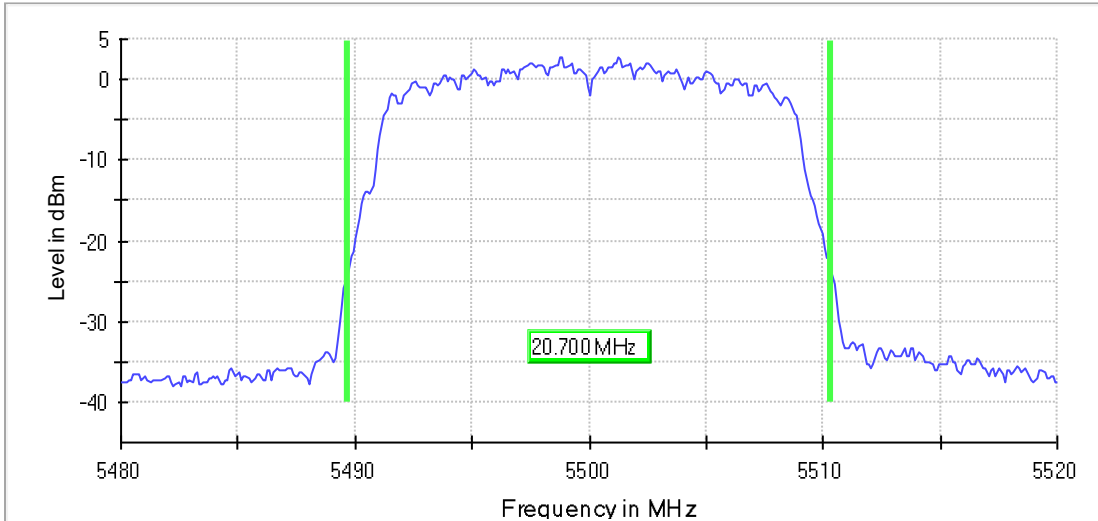
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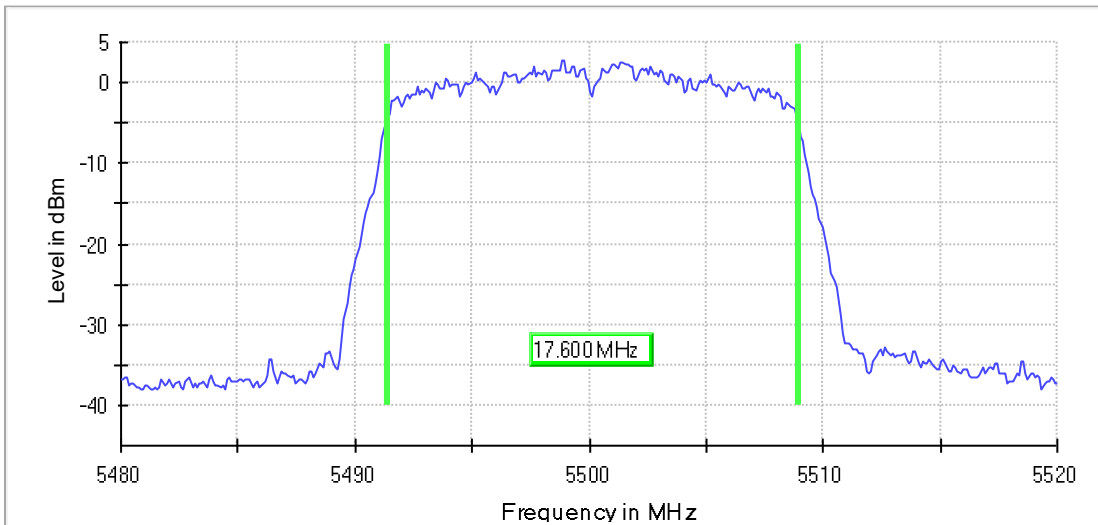
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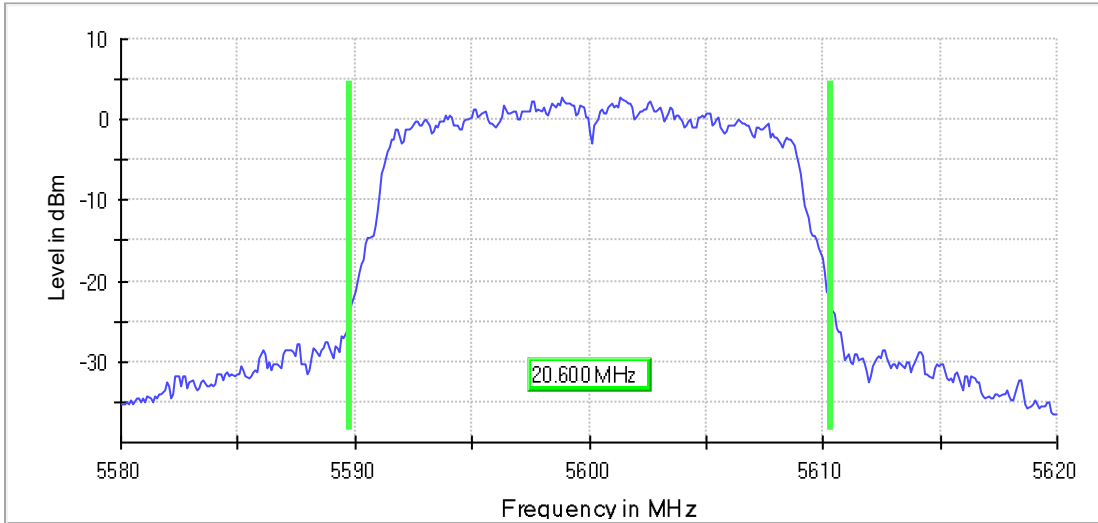
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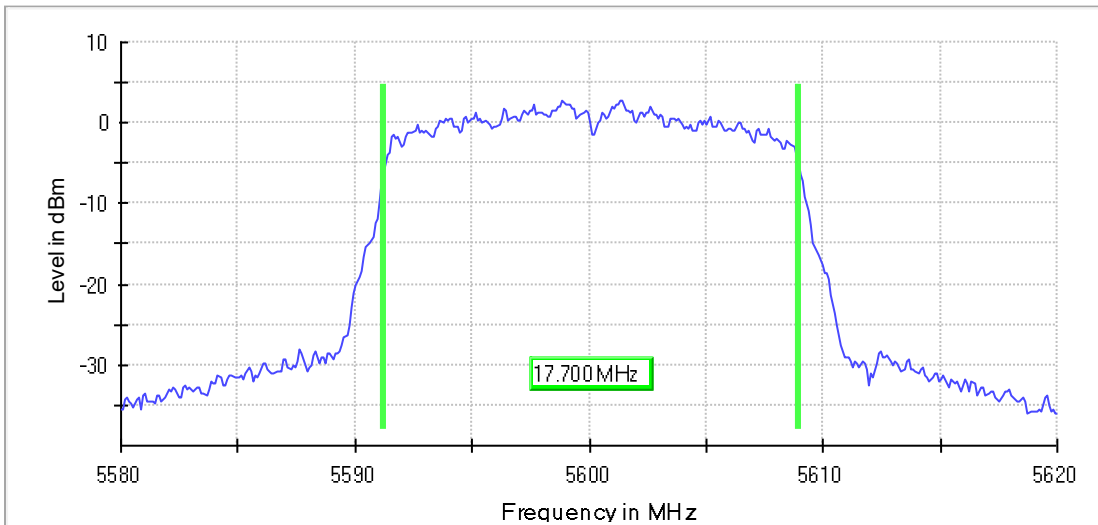
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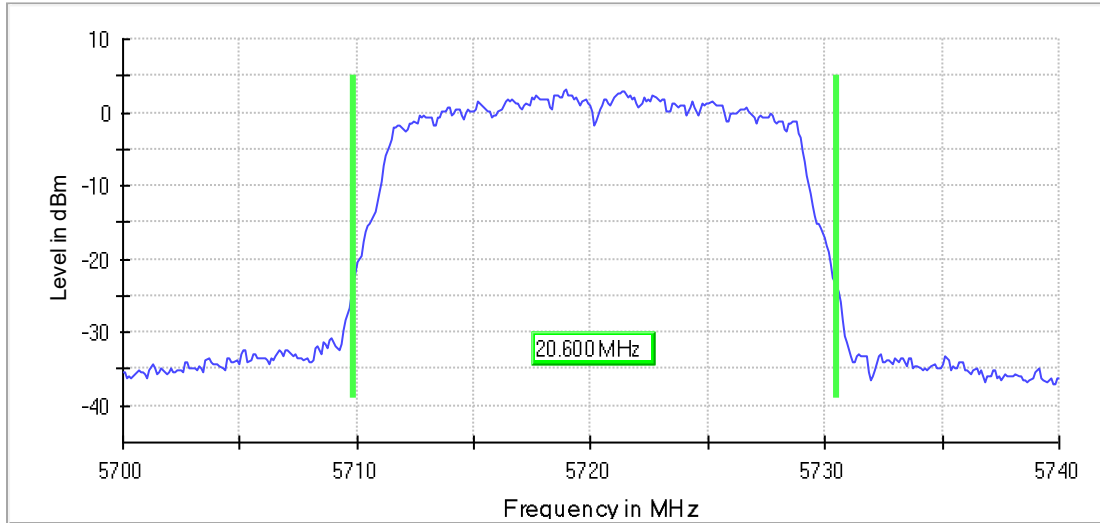
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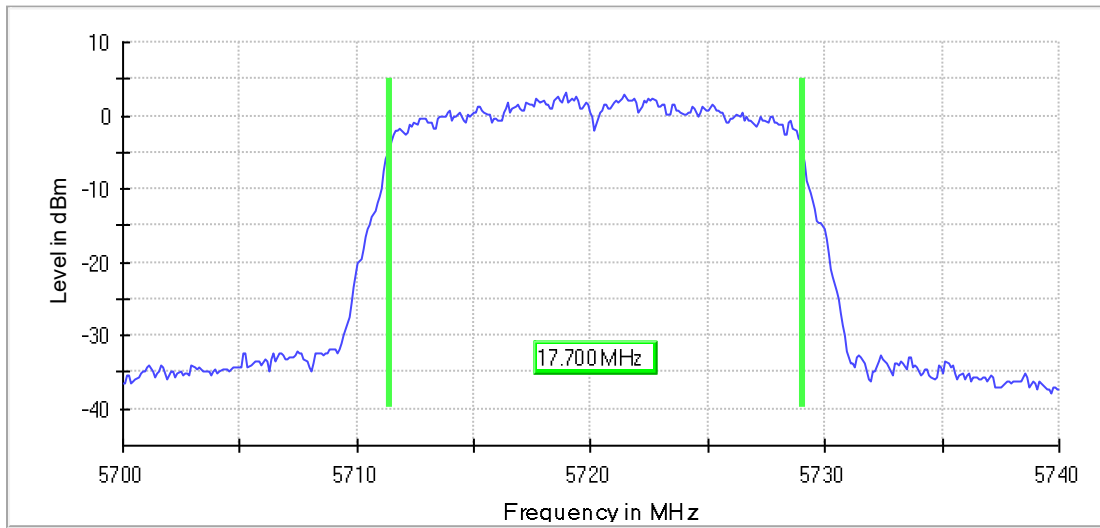
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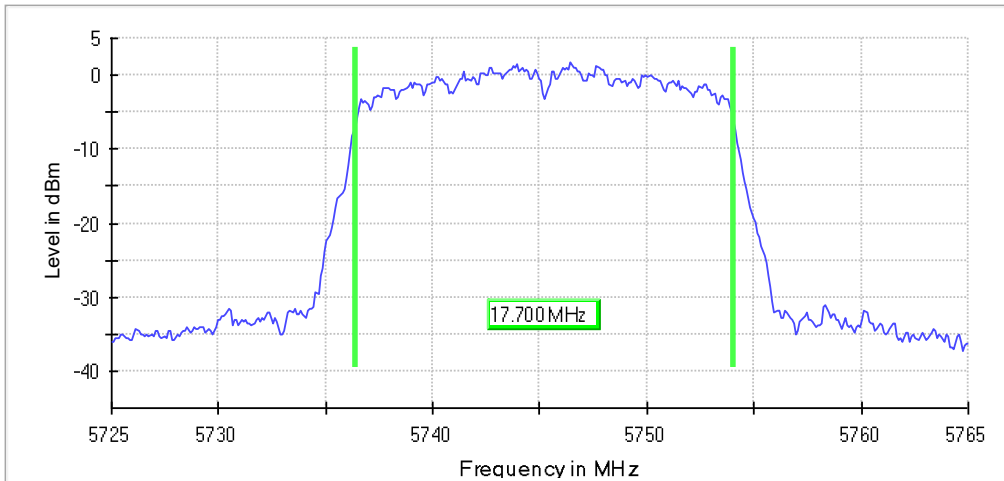
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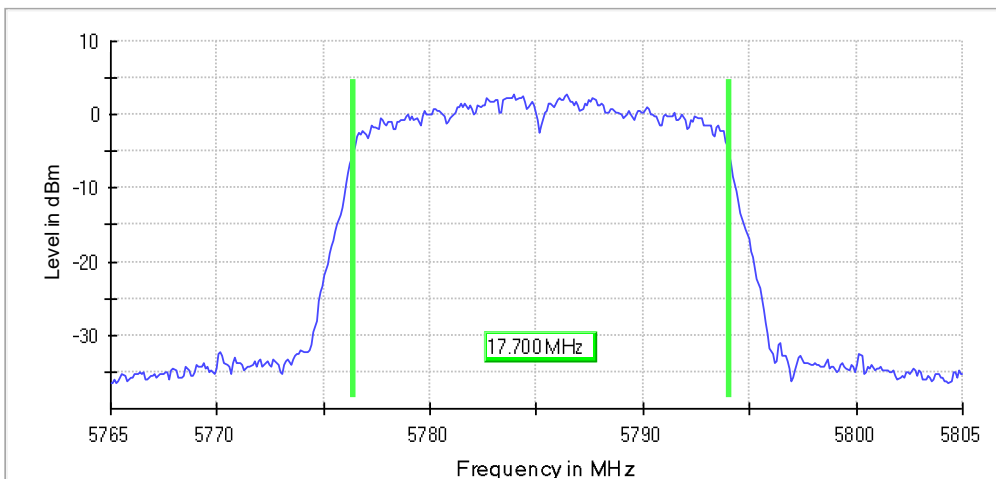
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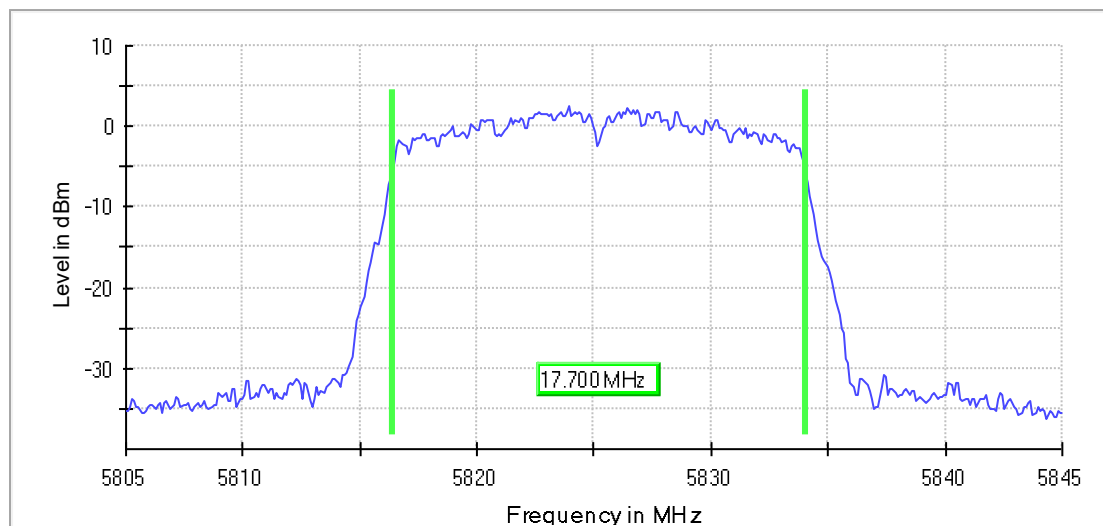
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99 % Bandwidth

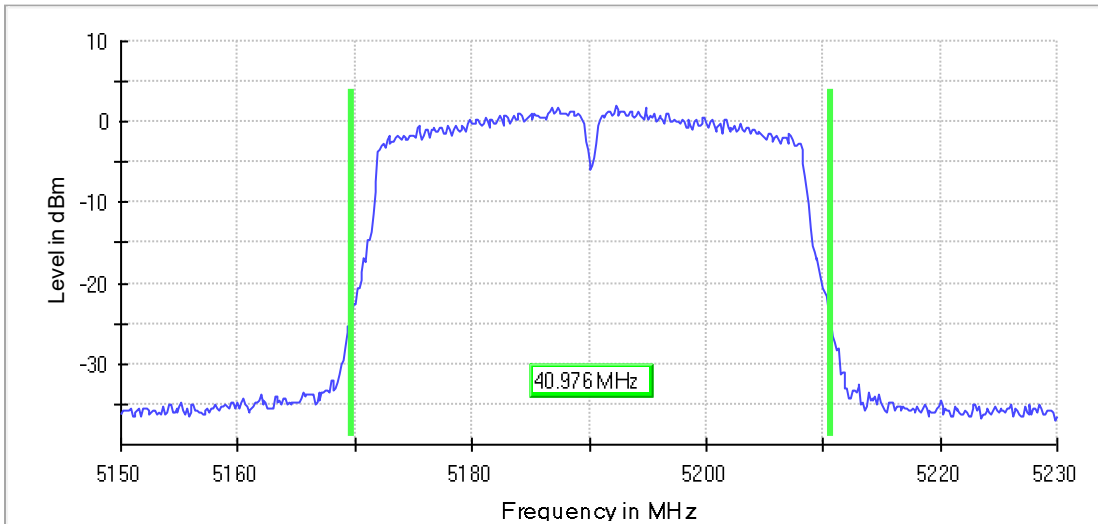


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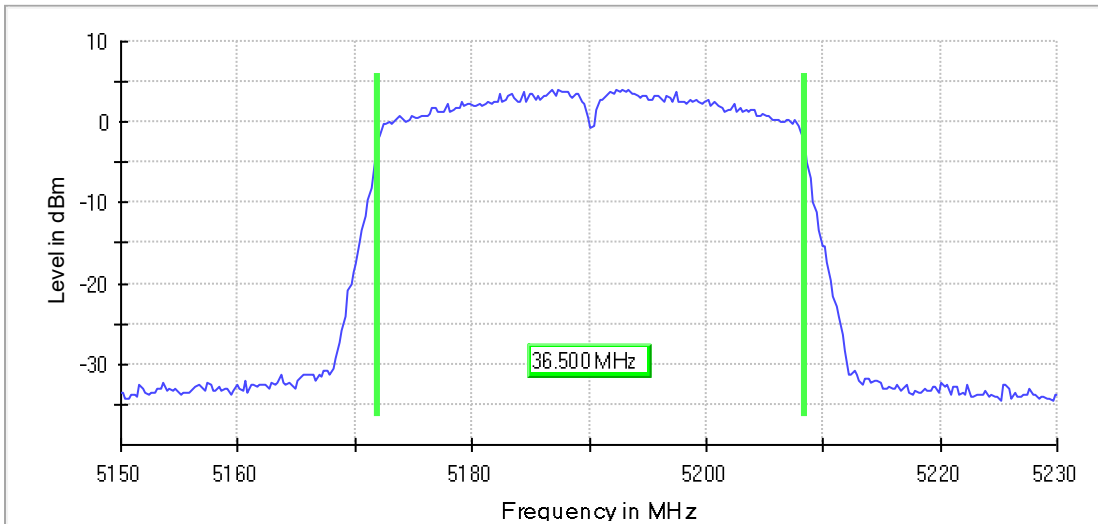


802.11n-HT40

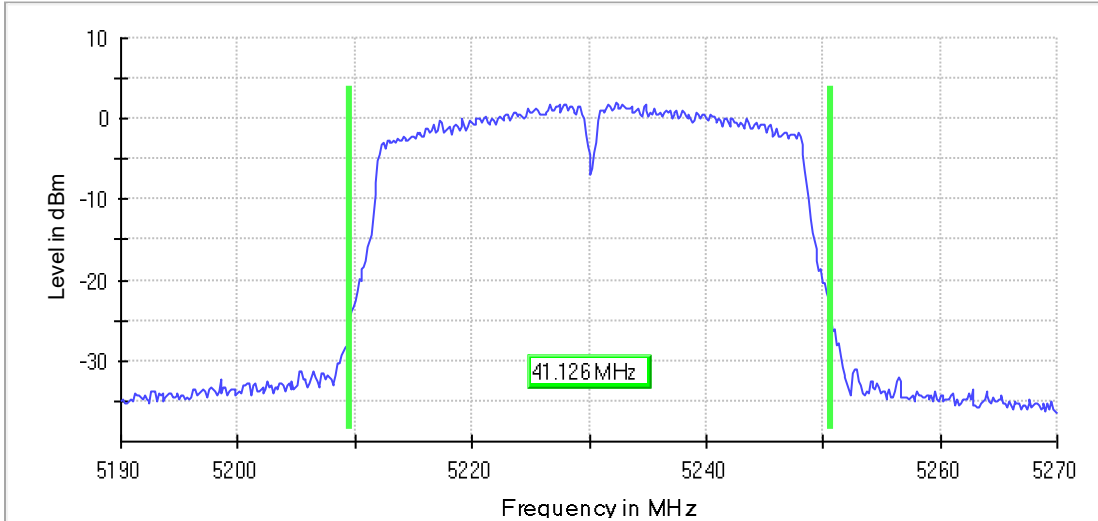
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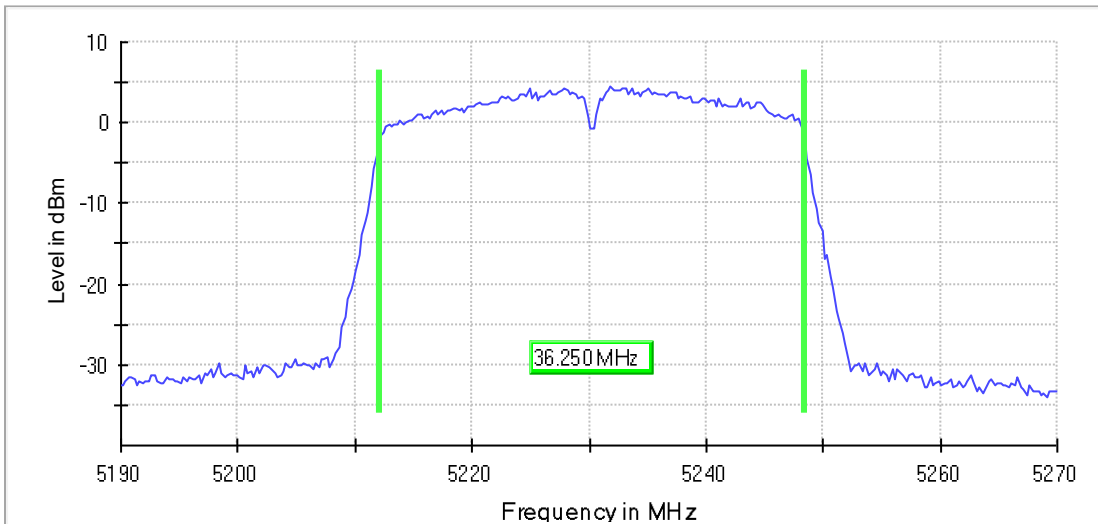
99 % Bandwidth



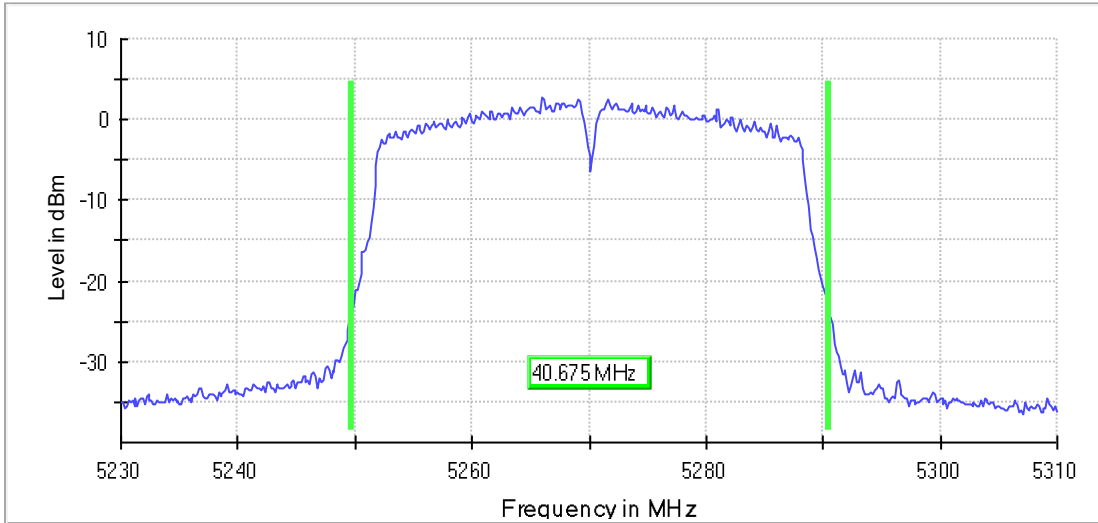
26 dB Bandwidth



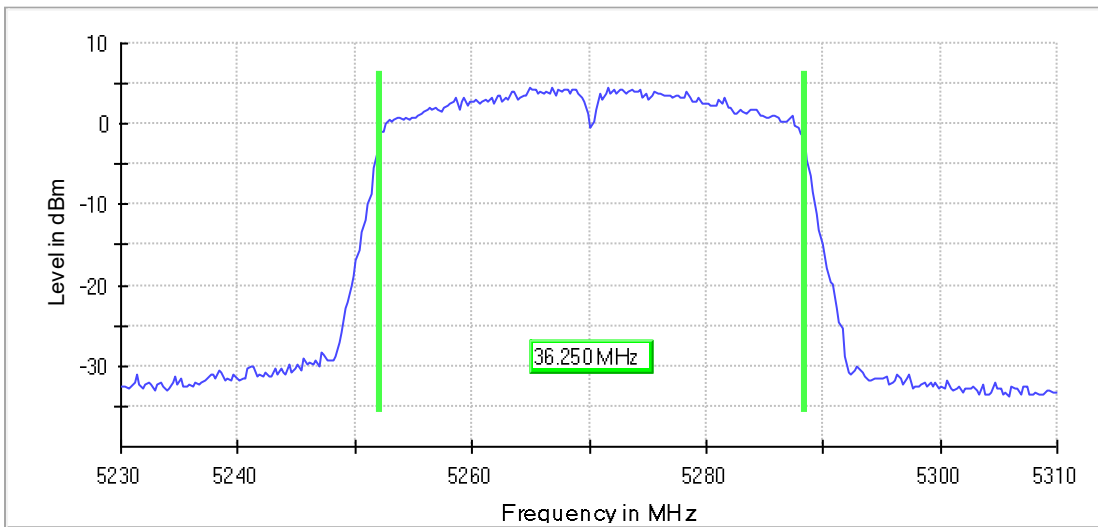
99 % Bandwidth



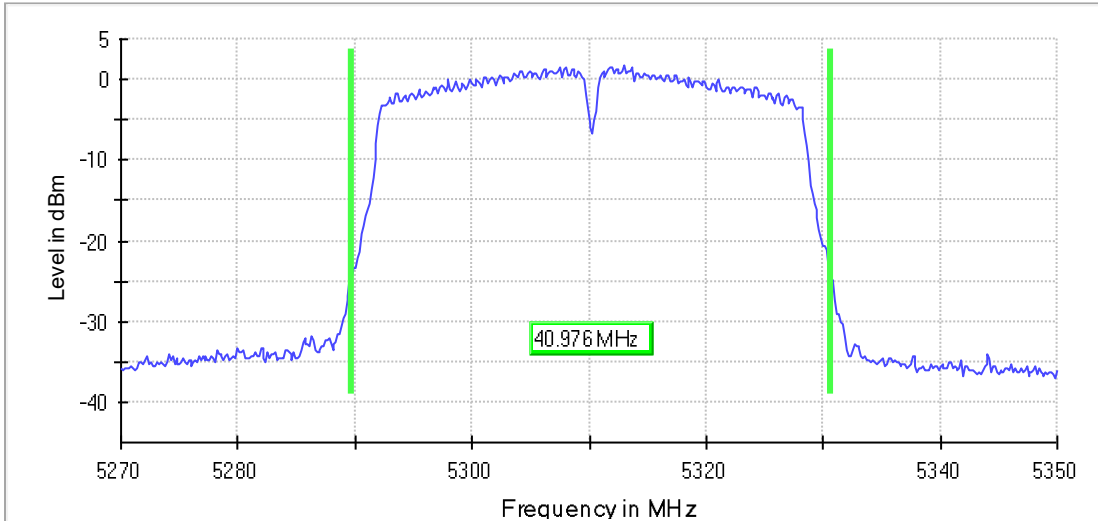
26 dB Bandwidth



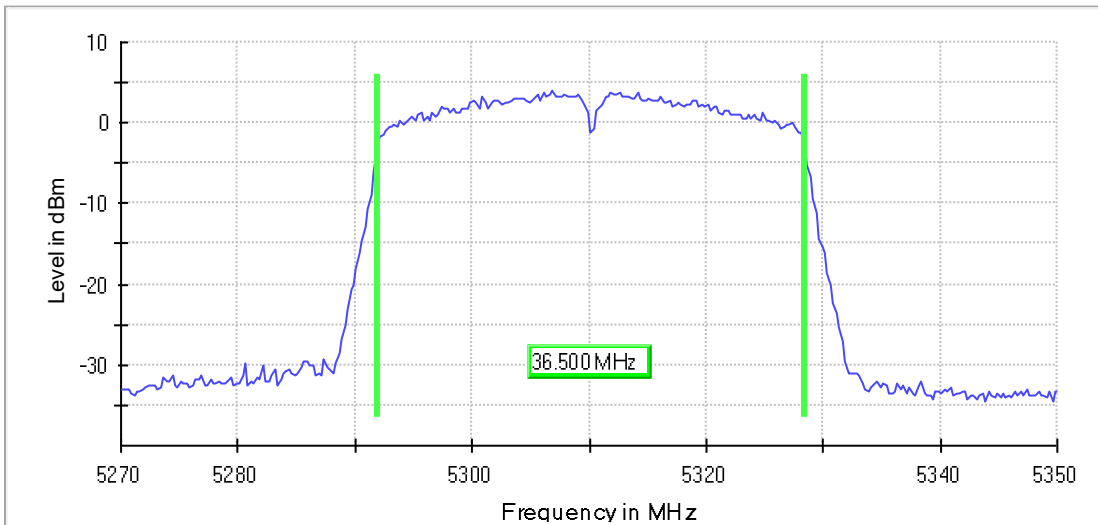
99 % Bandwidth



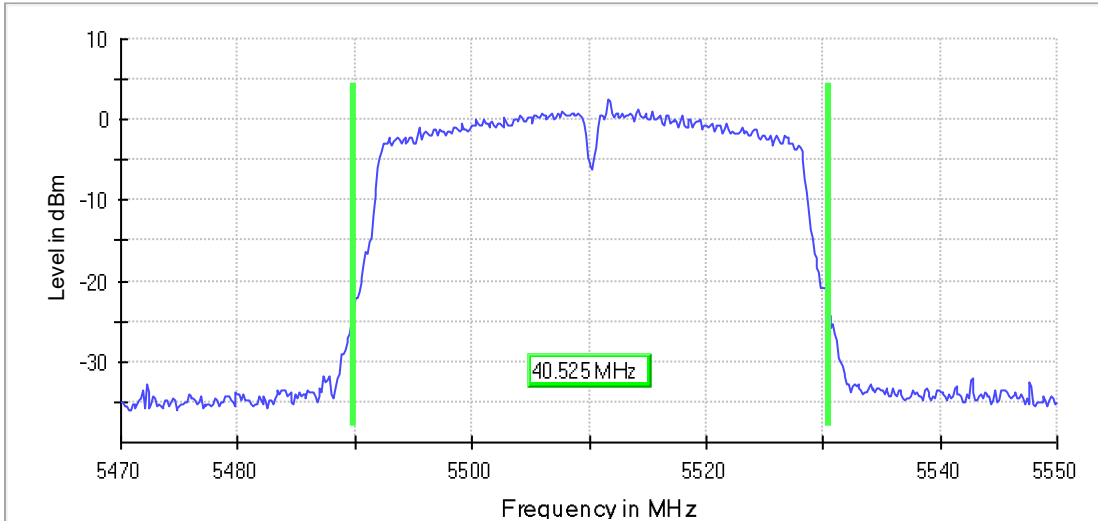
26 dB Bandwidth



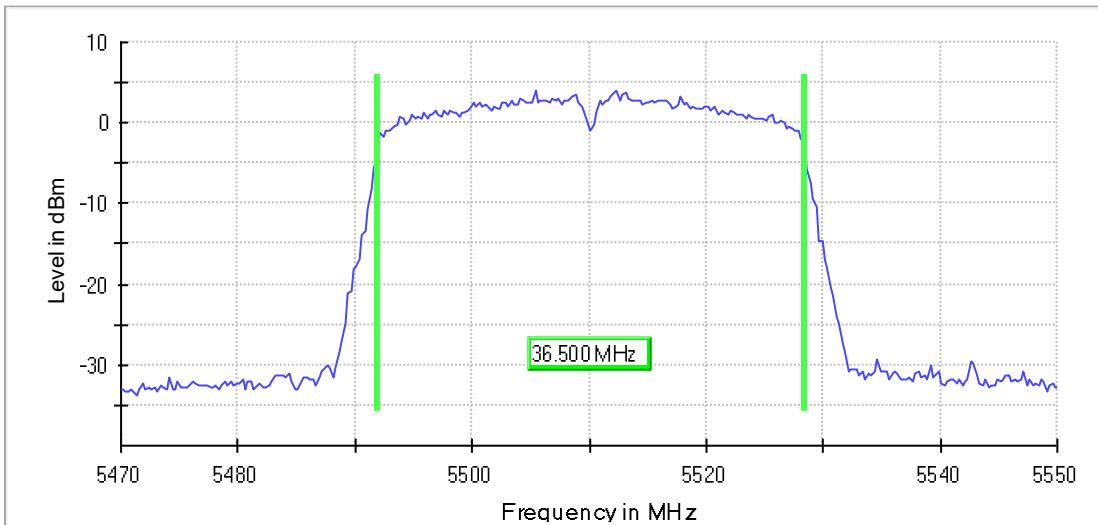
99 % Bandwidth



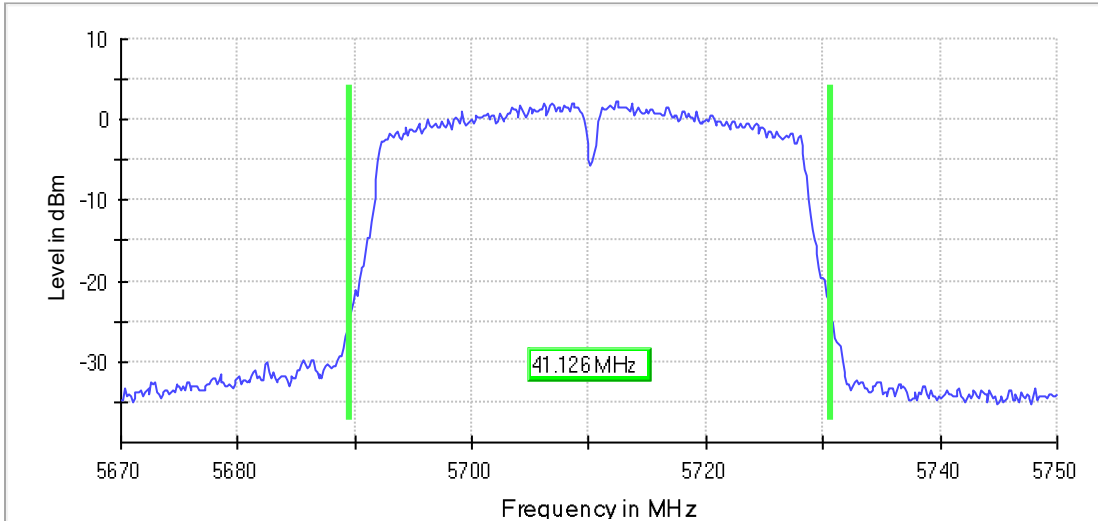
26 dB Bandwidth



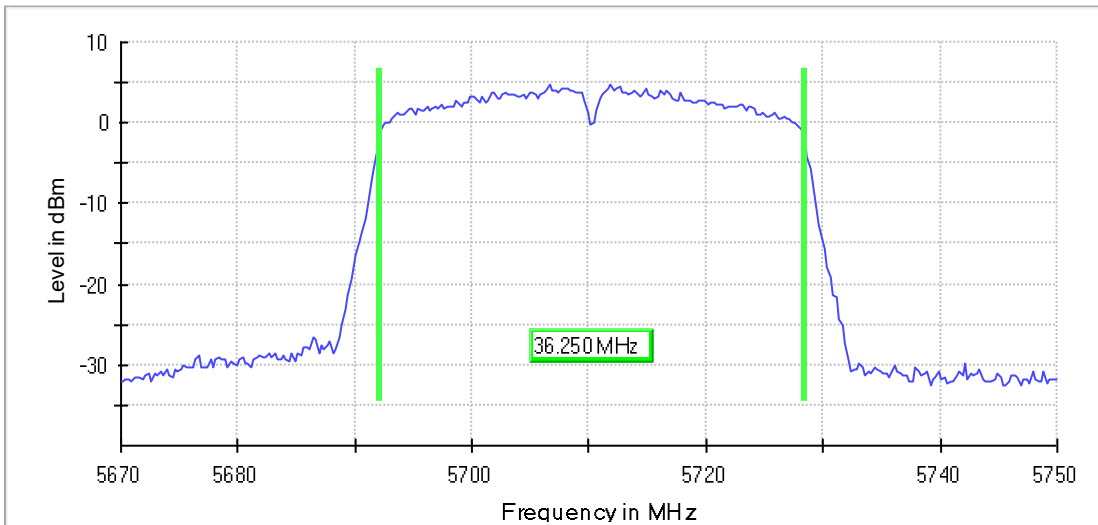
99 % Bandwidth



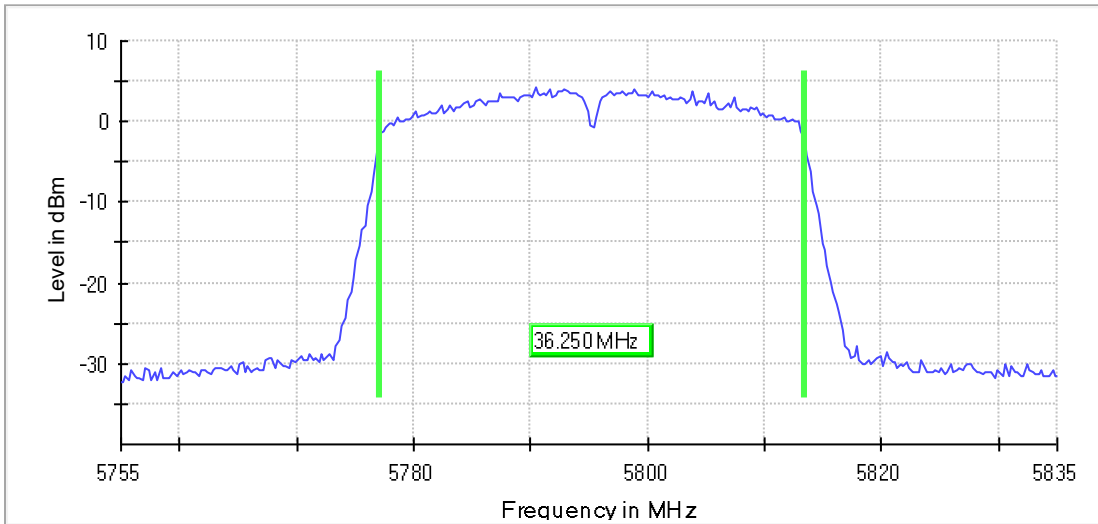
26 dB Bandwidth



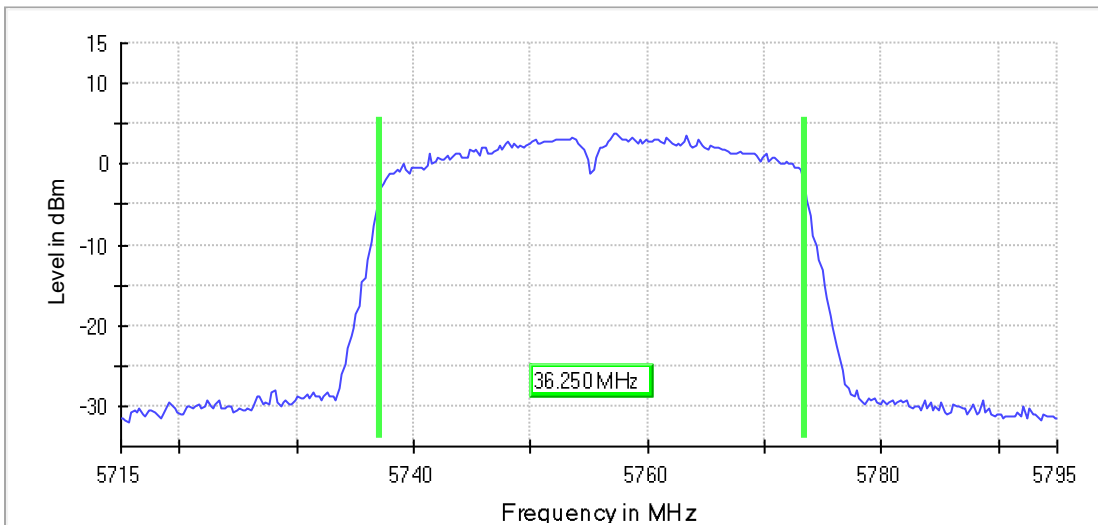
99 % Bandwidth



99 % Bandwidth

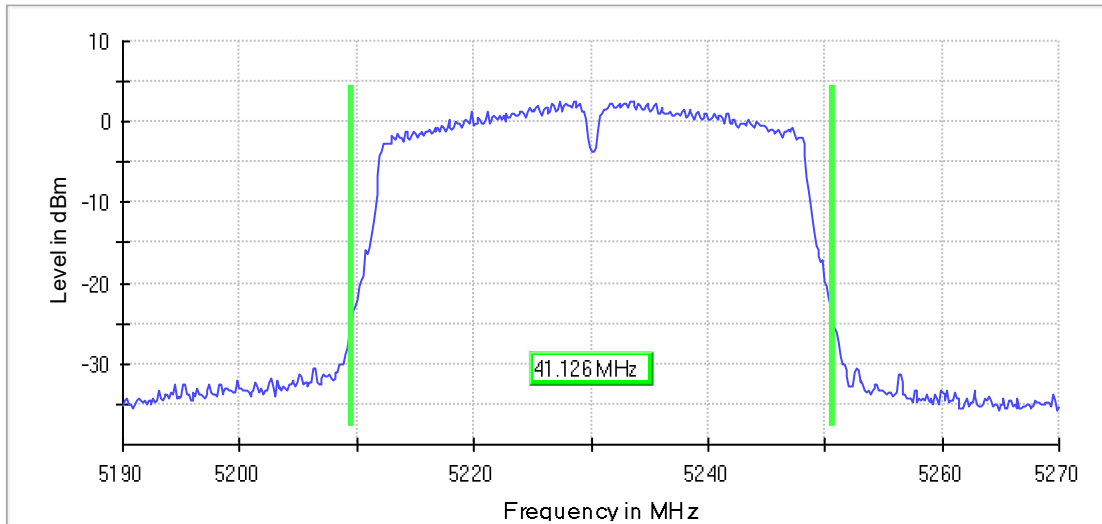


99 % Bandwidth

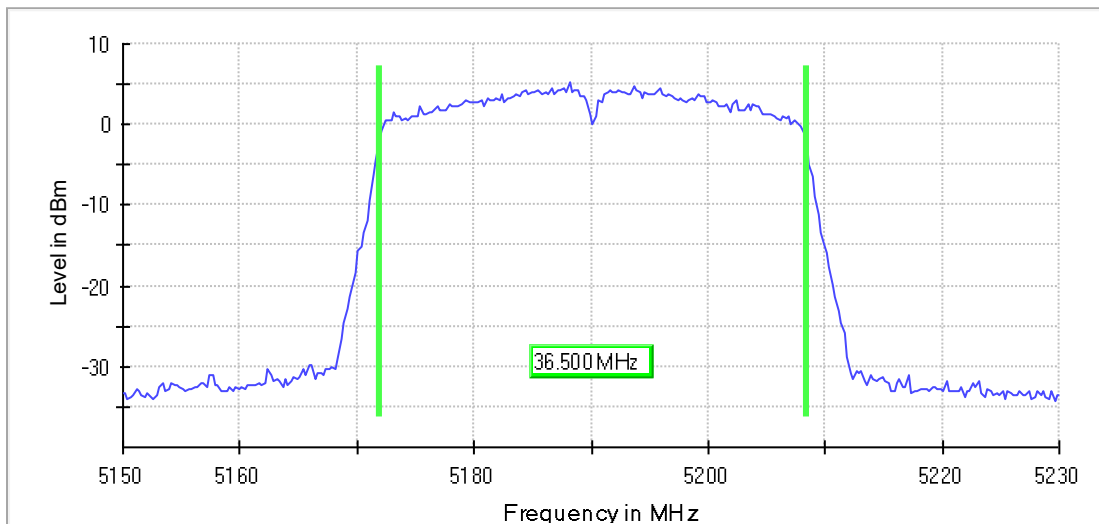


802.11ac40

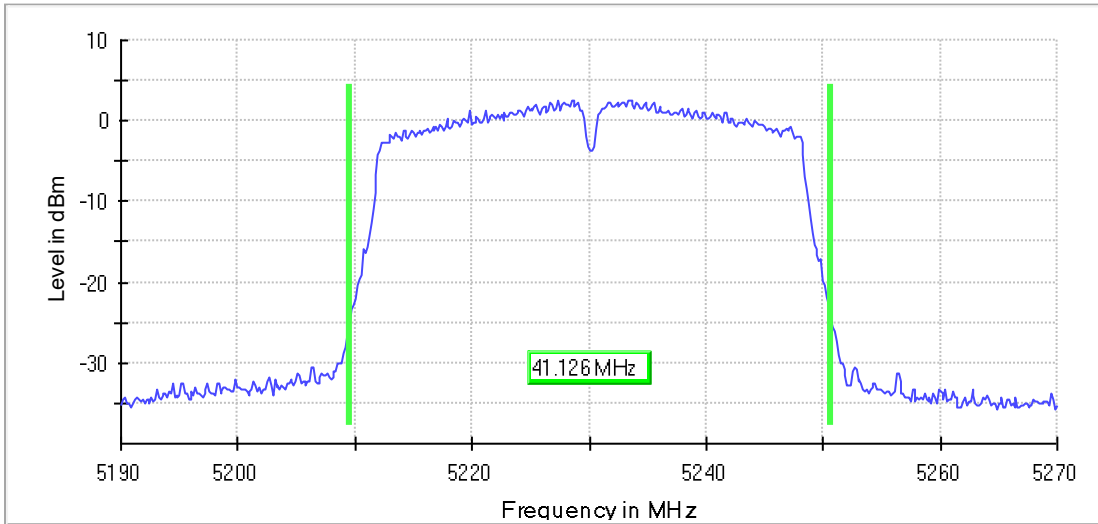
26 dB Bandwidth



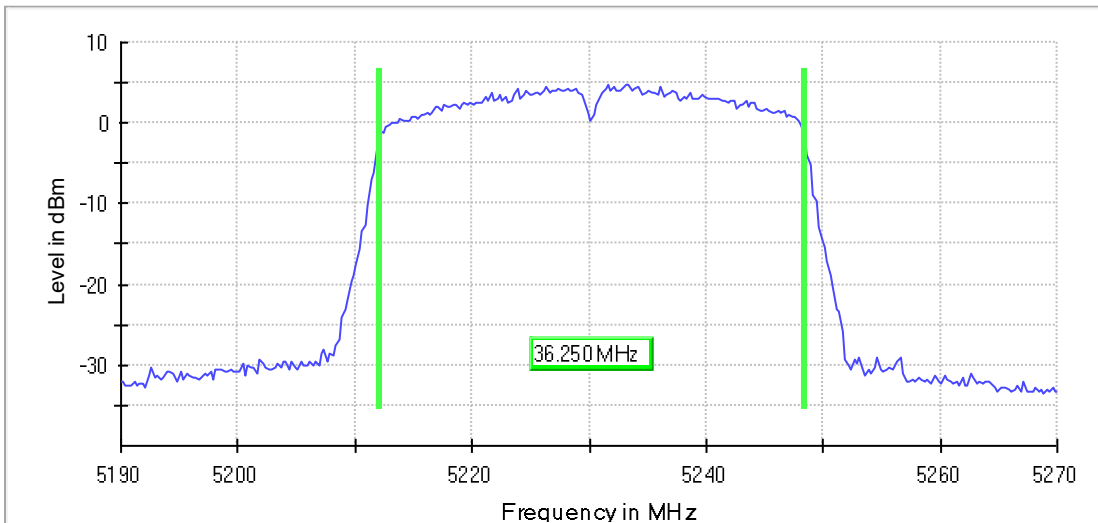
99 % Bandwidth



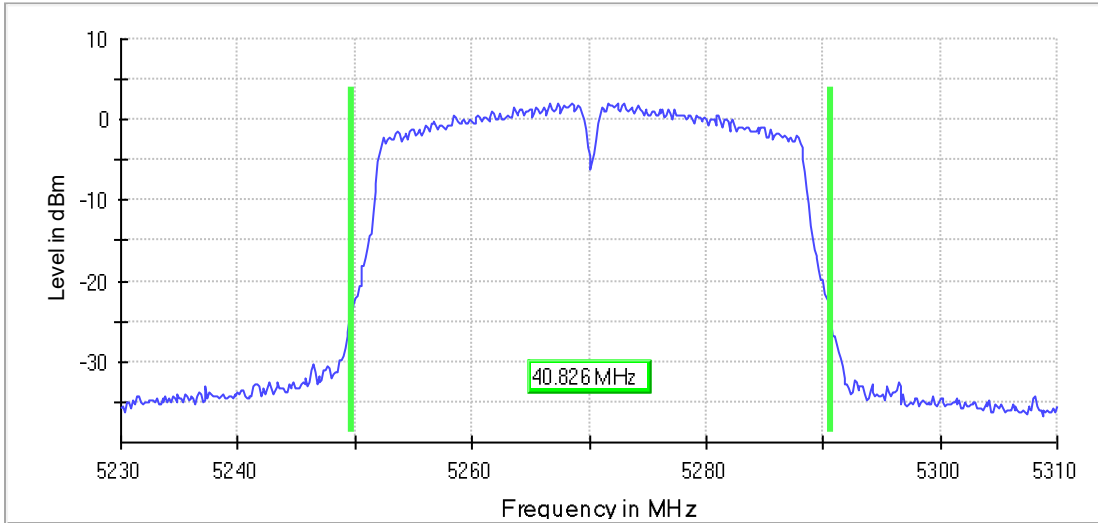
26 dB Bandwidth



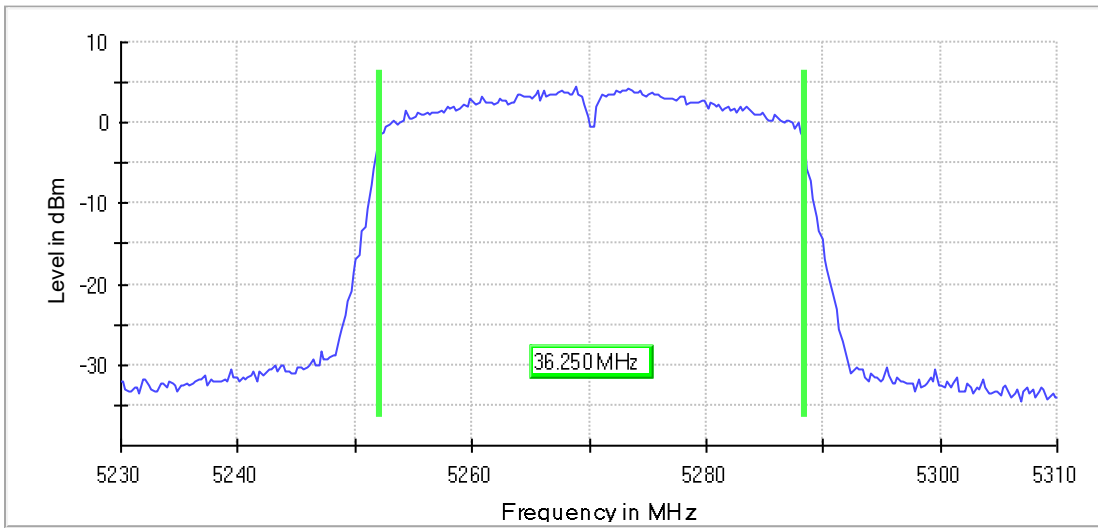
99 % Bandwidth



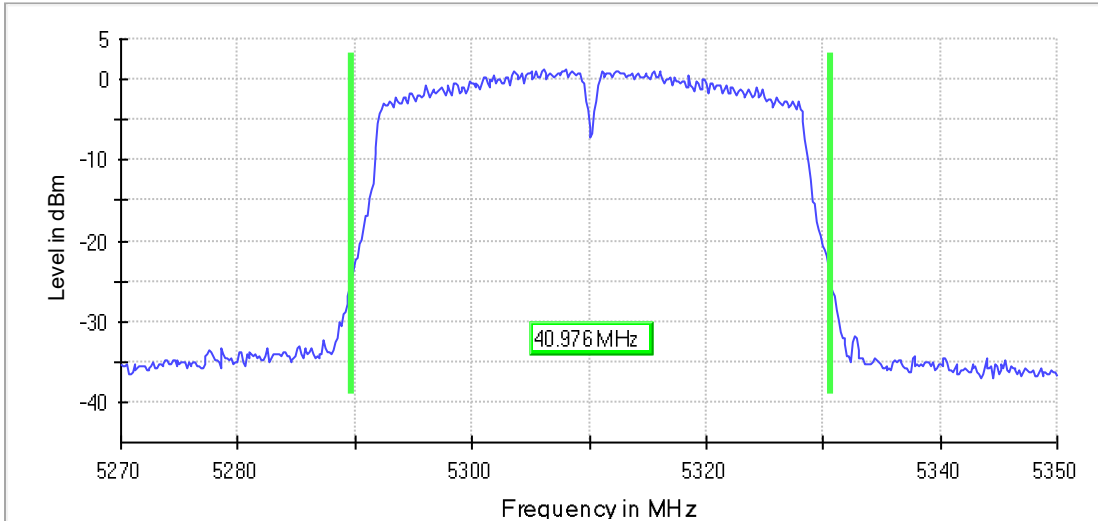
26 dB Bandwidth



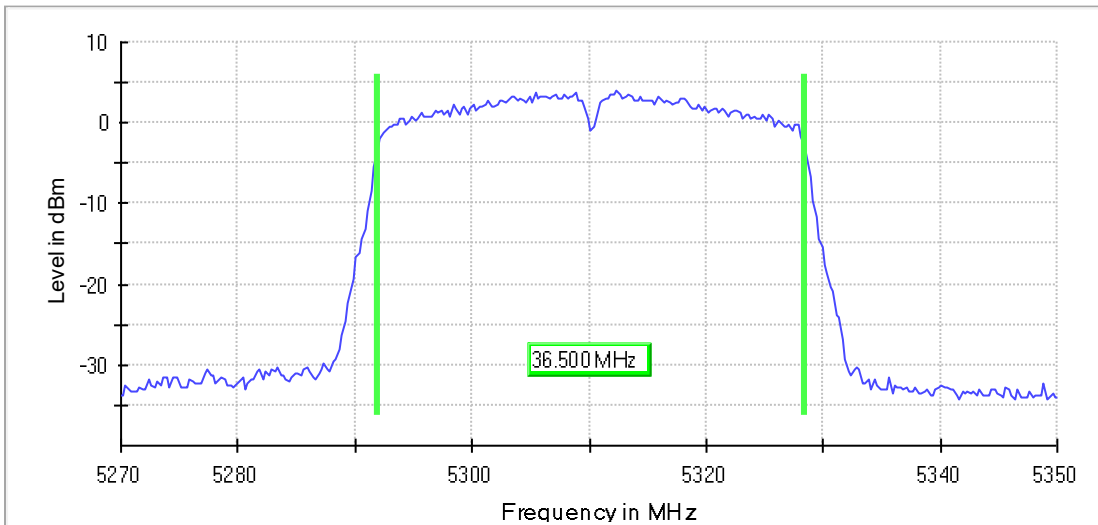
99 % Bandwidth



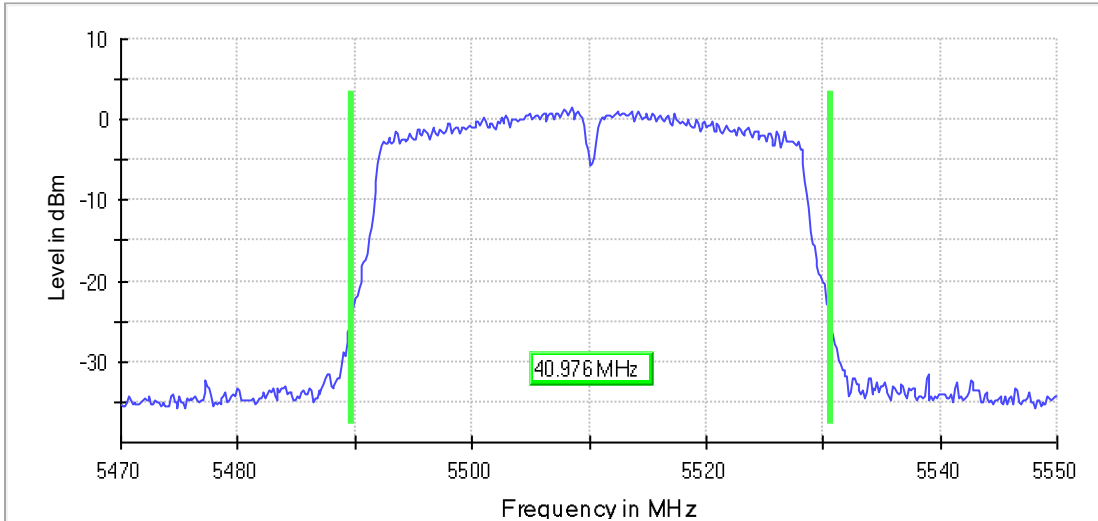
26 dB Bandwidth



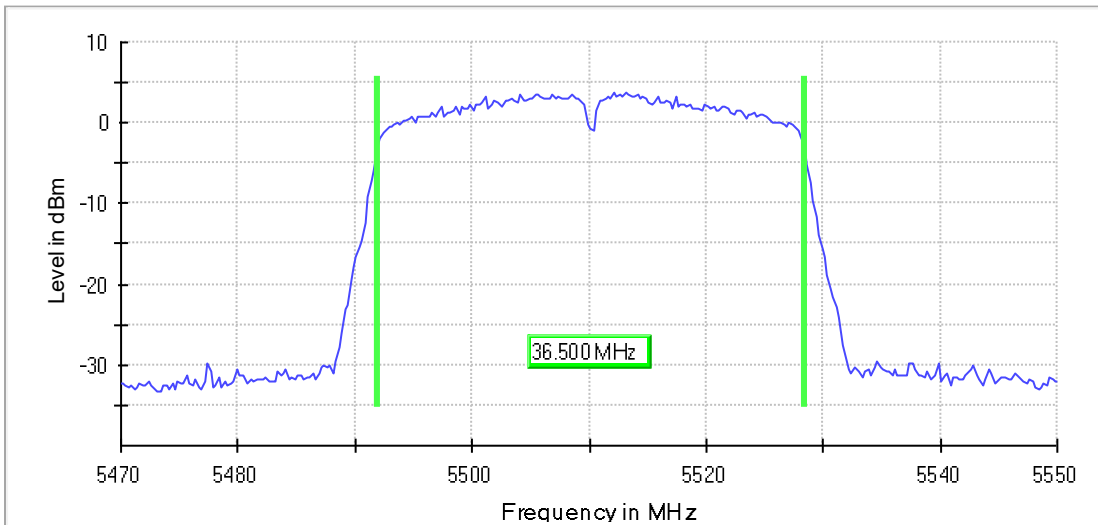
99 % Bandwidth



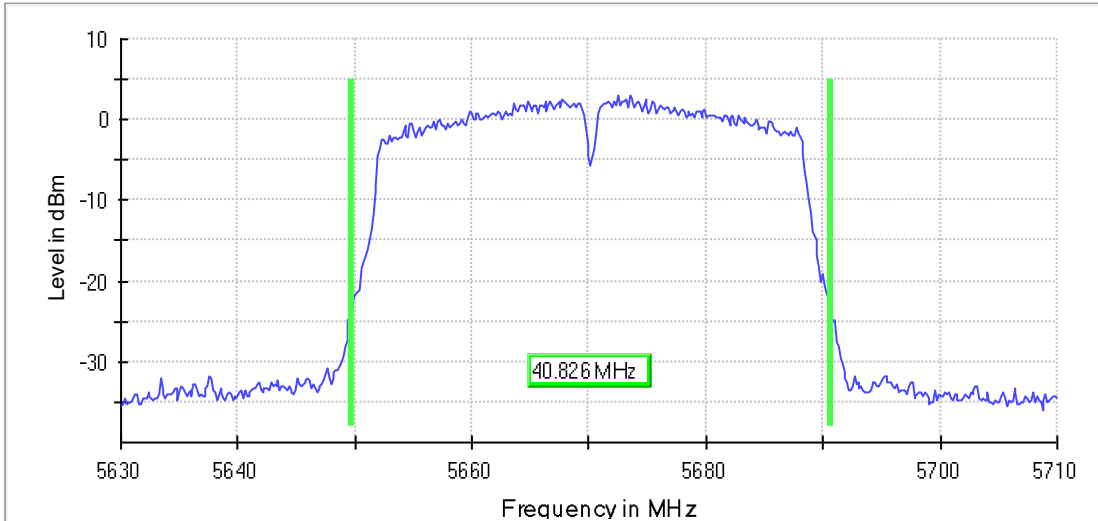
26 dB Bandwidth



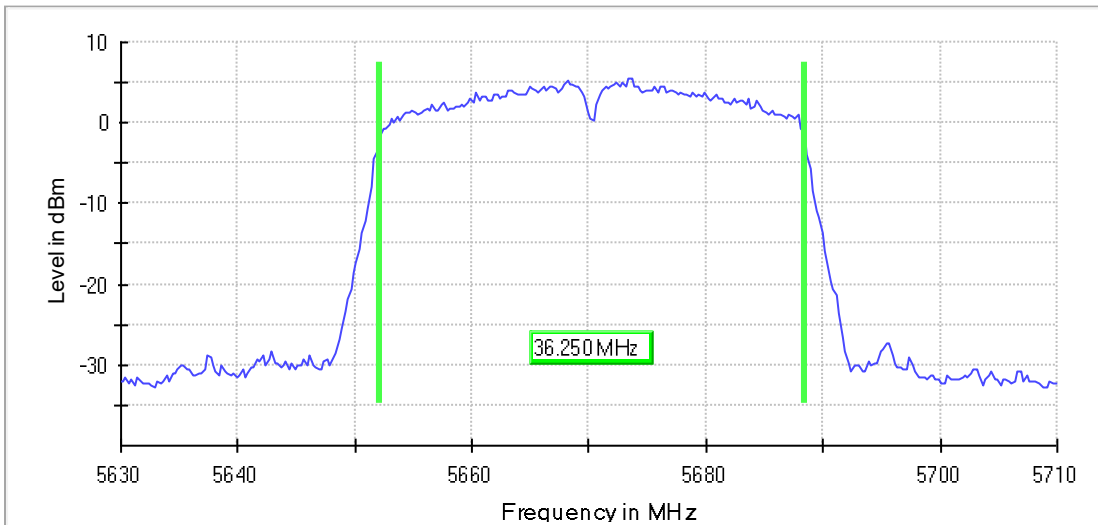
99 % Bandwidth



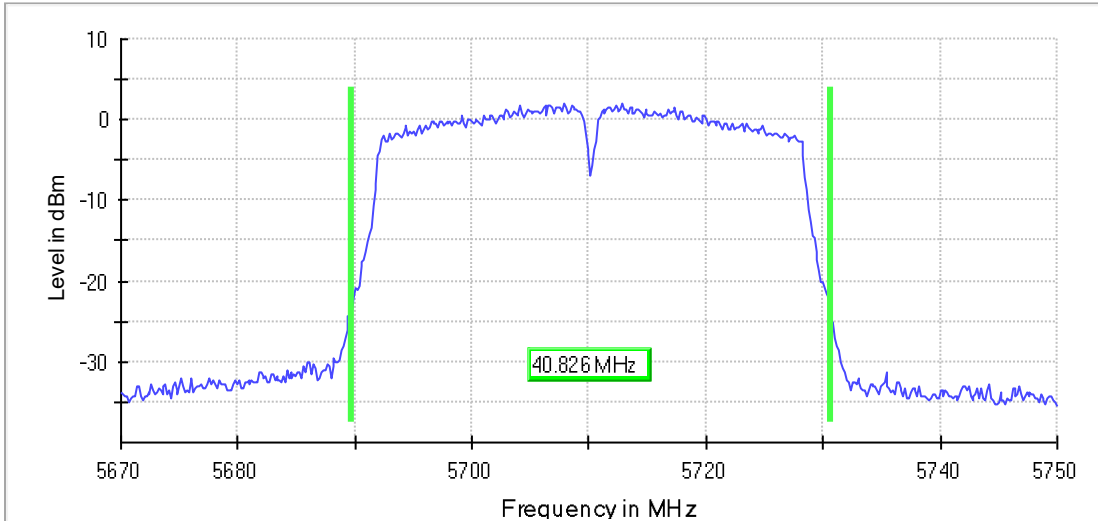
26 dB Bandwidth



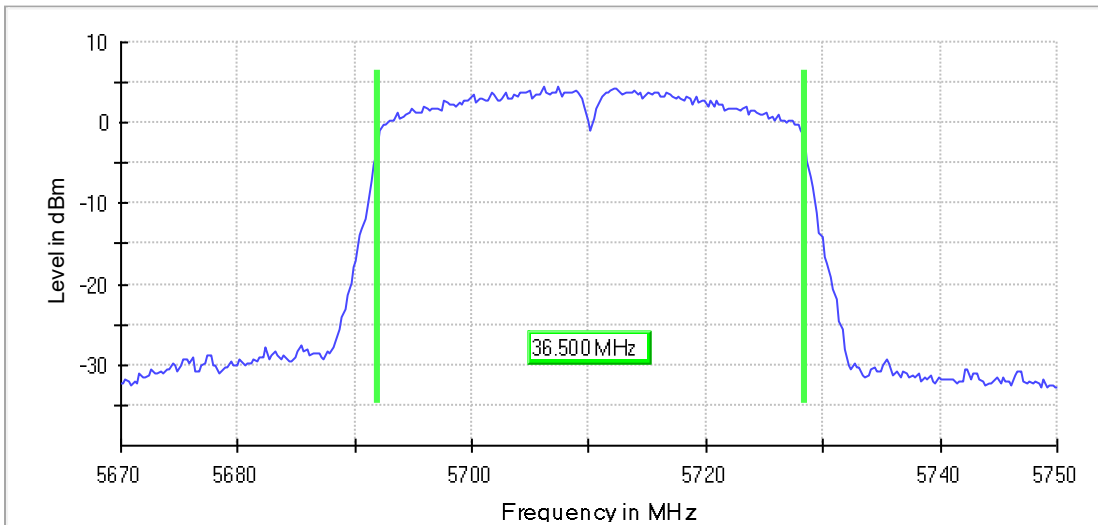
99 % Bandwidth



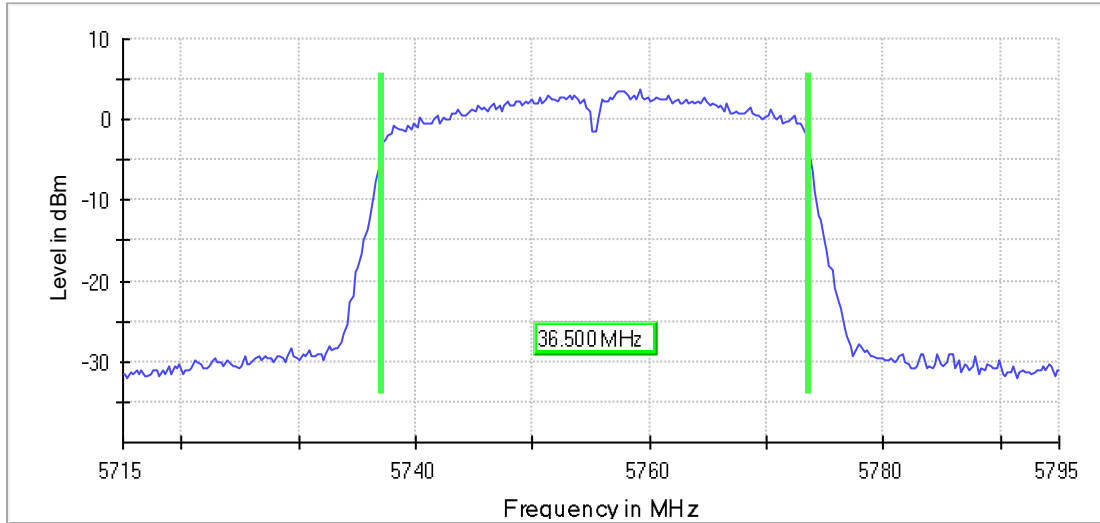
26 dB Bandwidth



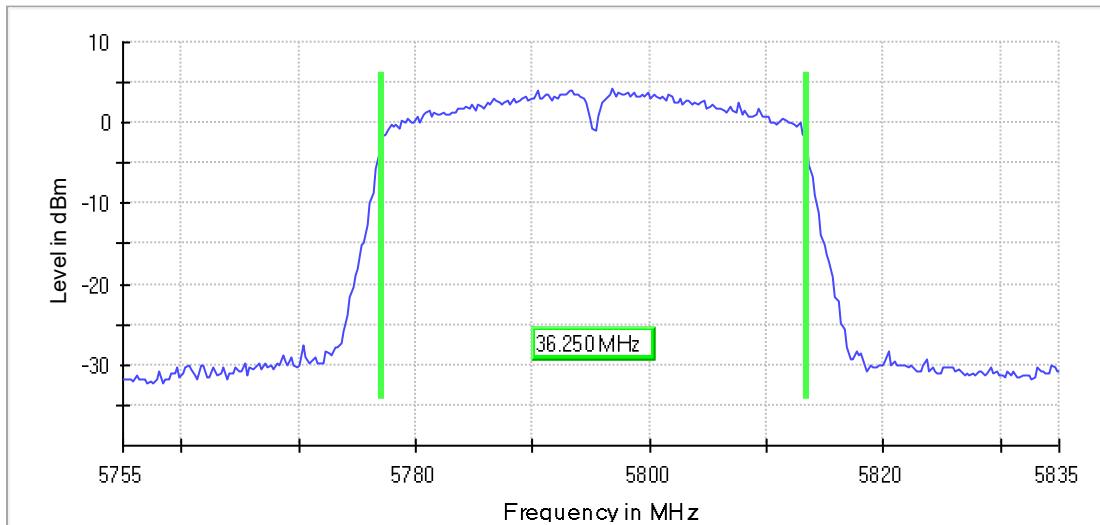
99 % Bandwidth



99 % Bandwidth

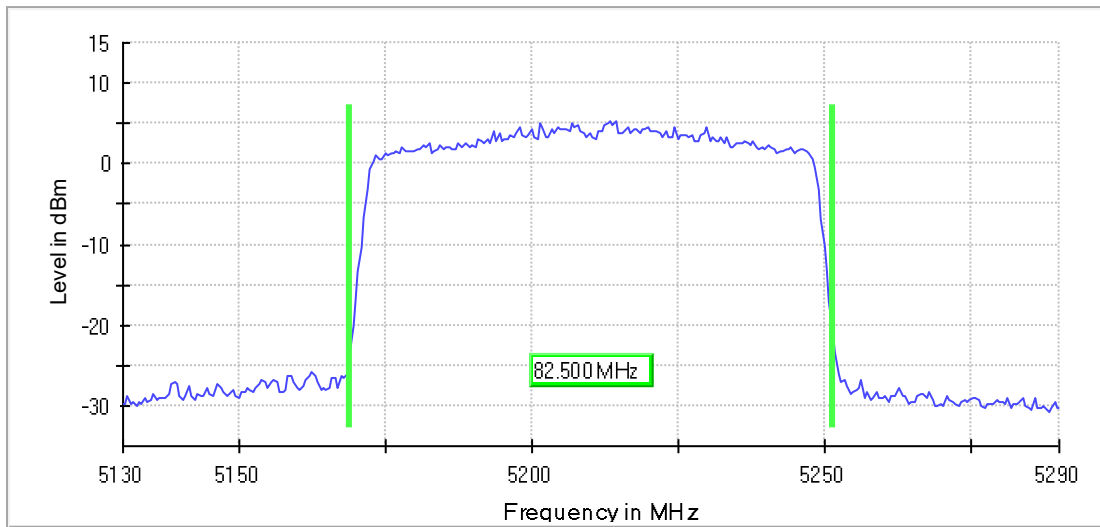


99 % Bandwidth

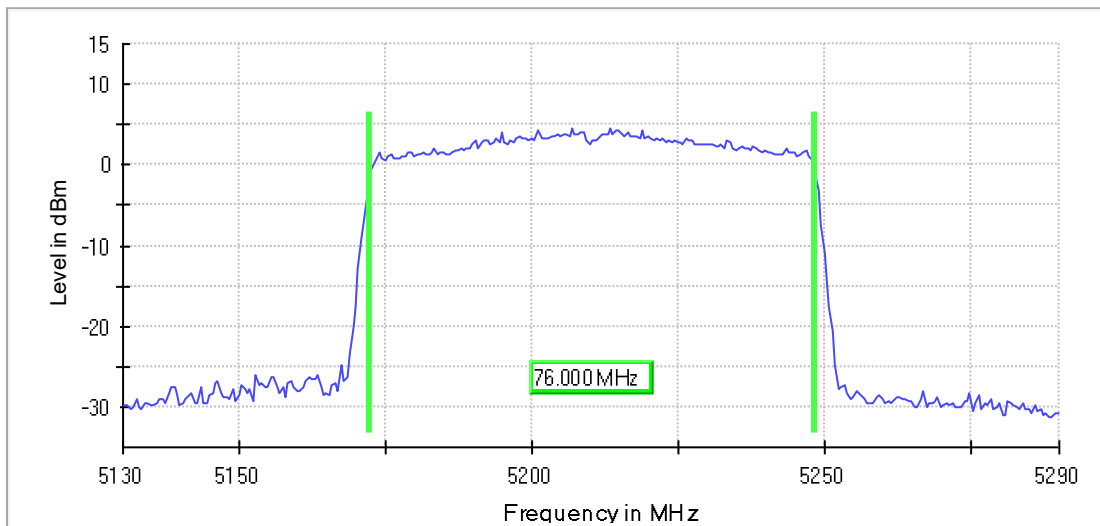


802.11ac80

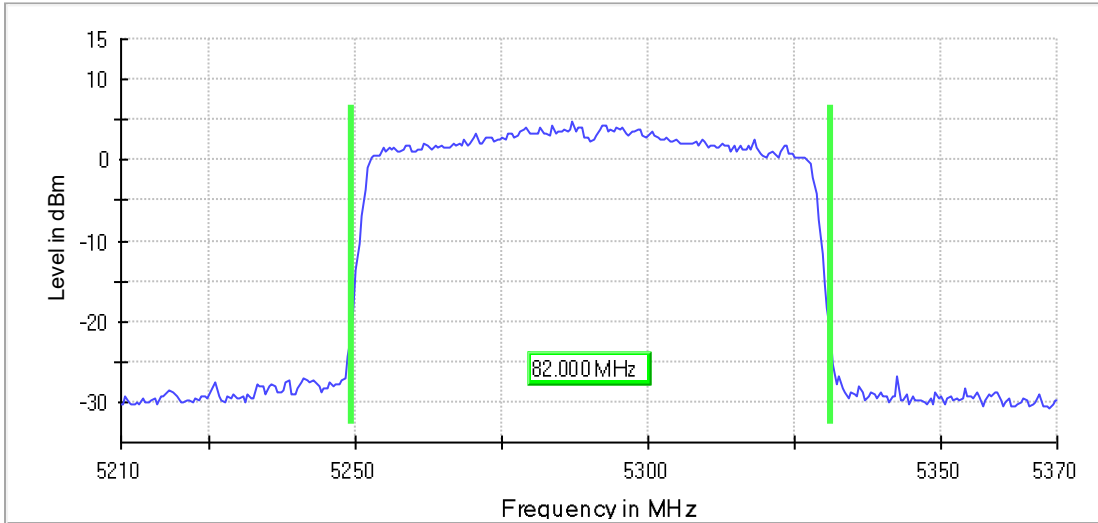
26 dB Bandwidth



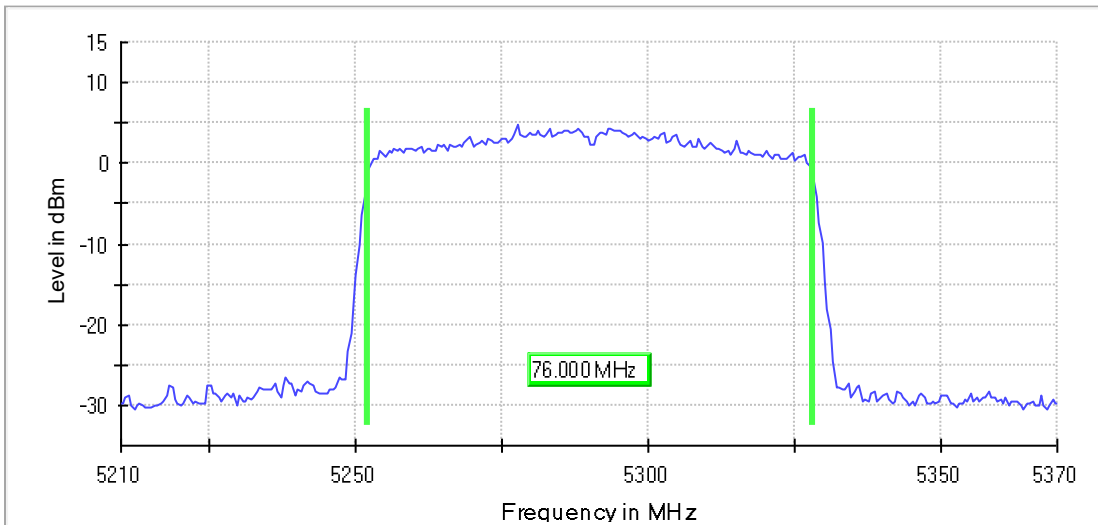
99 % Bandwidth



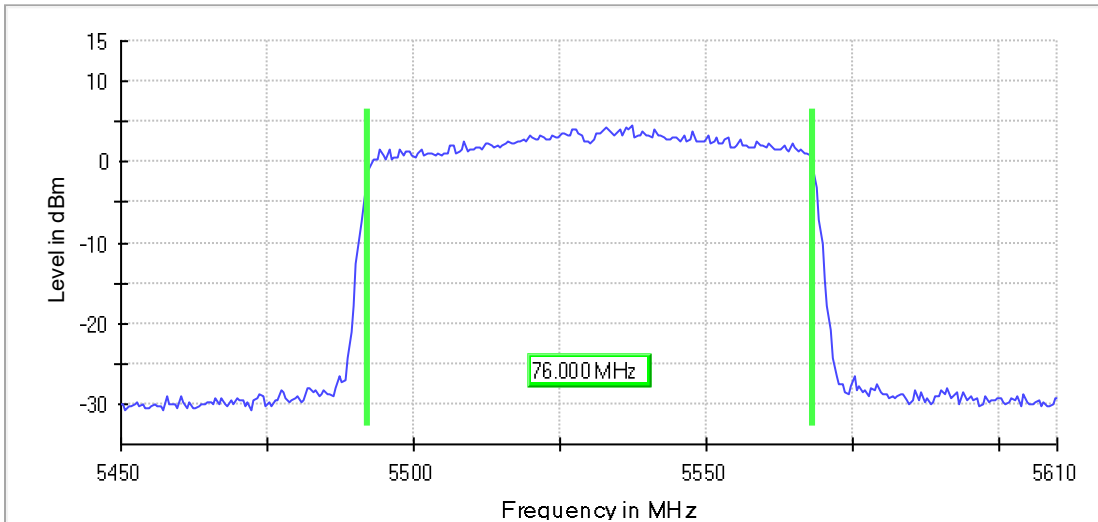
26 dB Bandwidth



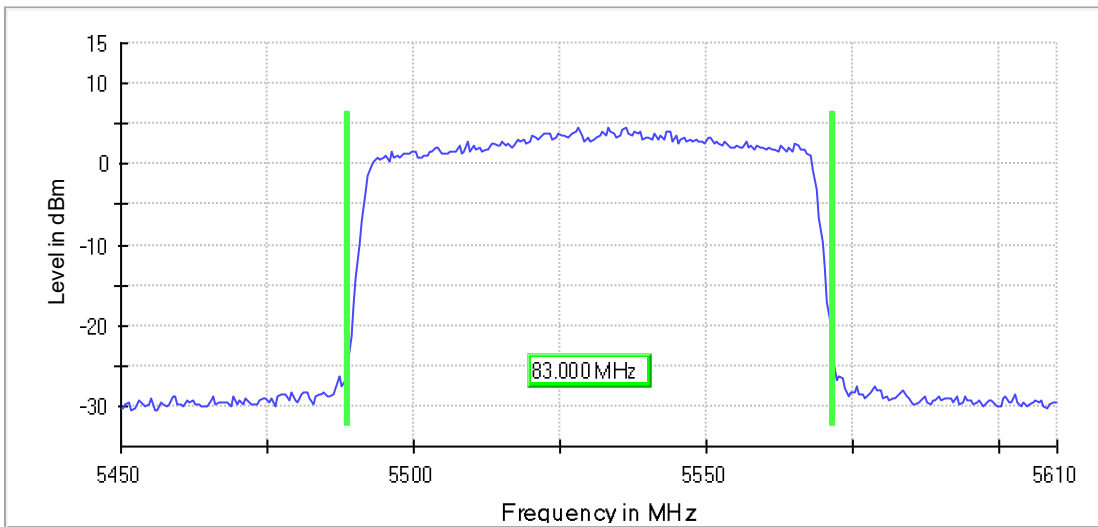
99 % Bandwidth



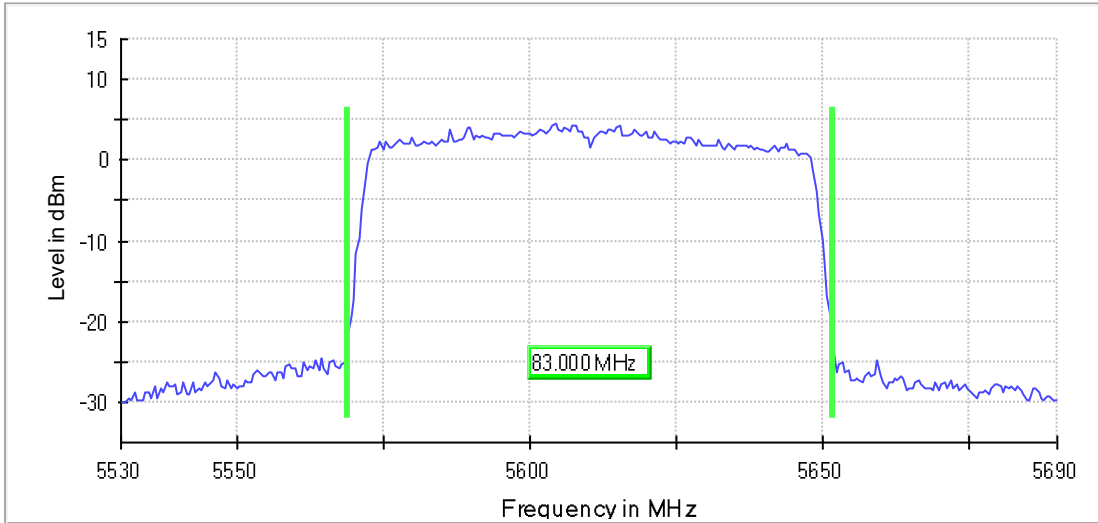
99 % Bandwidth



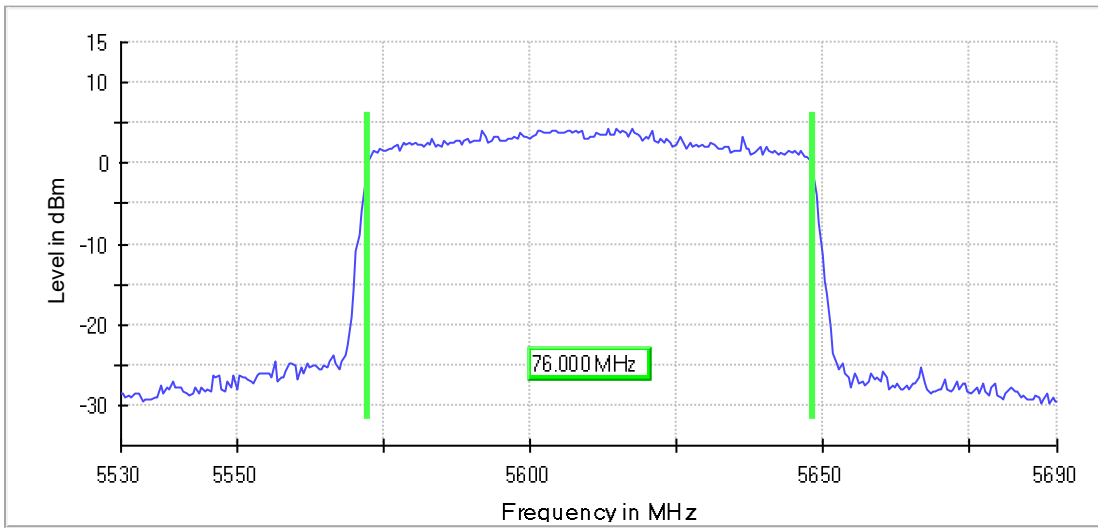
26 dB Bandwidth



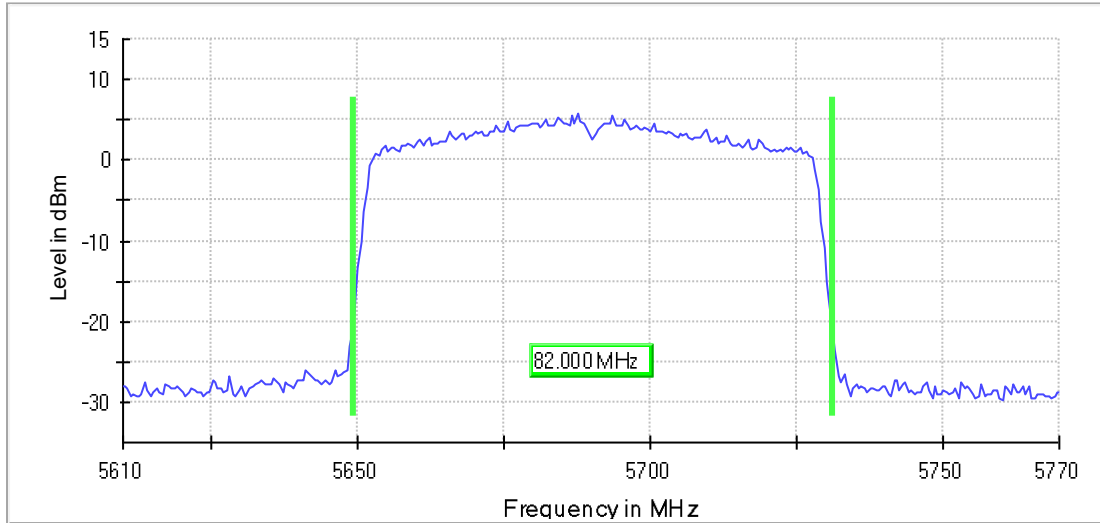
26 dB Bandwidth



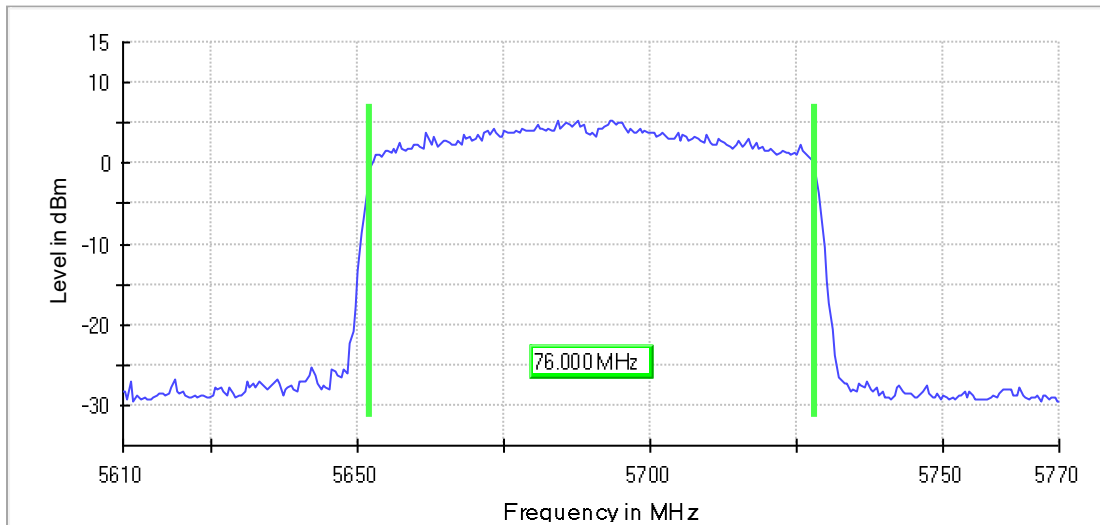
99 % Bandwidth



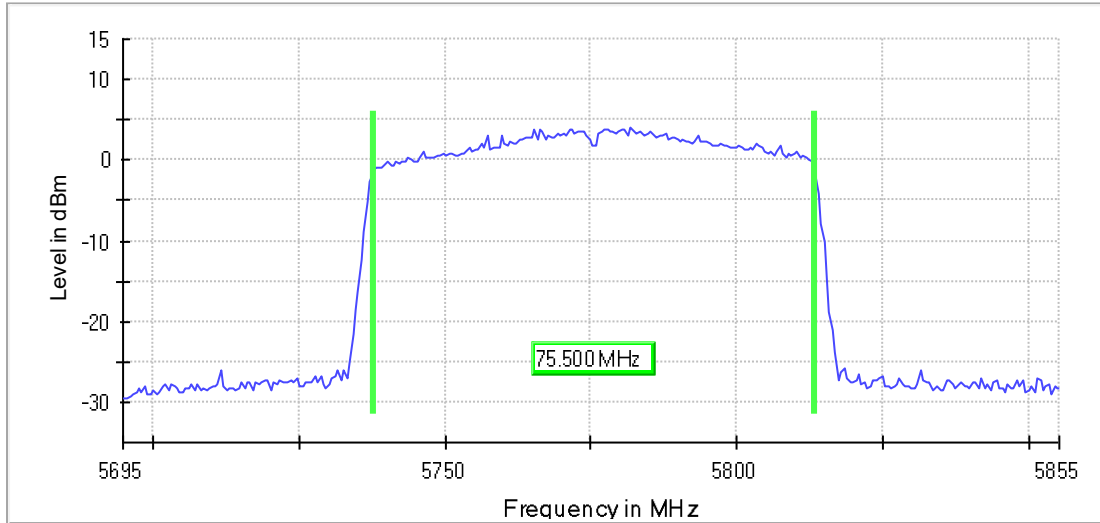
26 dB Bandwidth



99 % Bandwidth



99 % Bandwidth



2. 6dB Bandwidth

2.1 Test Datas

Channel (mode)	Channel Frequency (MHz)	Emissions bandwidth
		6dB Bandwidth (MHz)
149 (802.11a)	5745	15.400
157 (802.11a)	5785	15.200
165 (802.11a)	5825	15.550

Channel (mode)	Channel Frequency (MHz)	Emissions bandwidth
		6dB Bandwidth (MHz)
149 (802.11n-HT20)	5745	15.200
157 (802.11n-HT20)	5785	15.200
165 (802.11n-HT20)	5825	15.200

Channel (mode)	Channel Frequency (MHz)	Emissions bandwidth
		6dB Bandwidth (MHz)
149 (802.11ac20)	5745	15.500
157 (802.11ac20)	5785	15.200
165 (802.11ac20)	5825	15.250

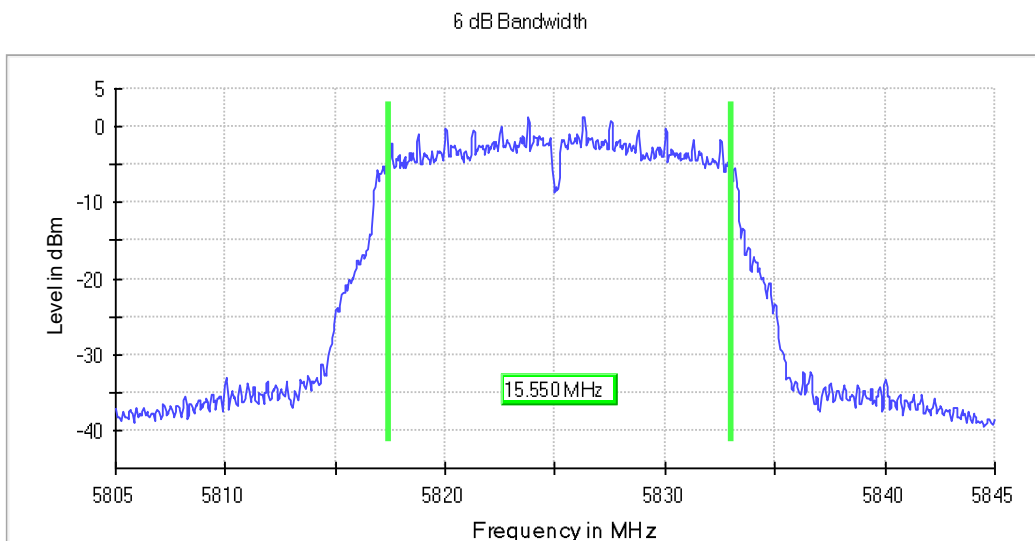
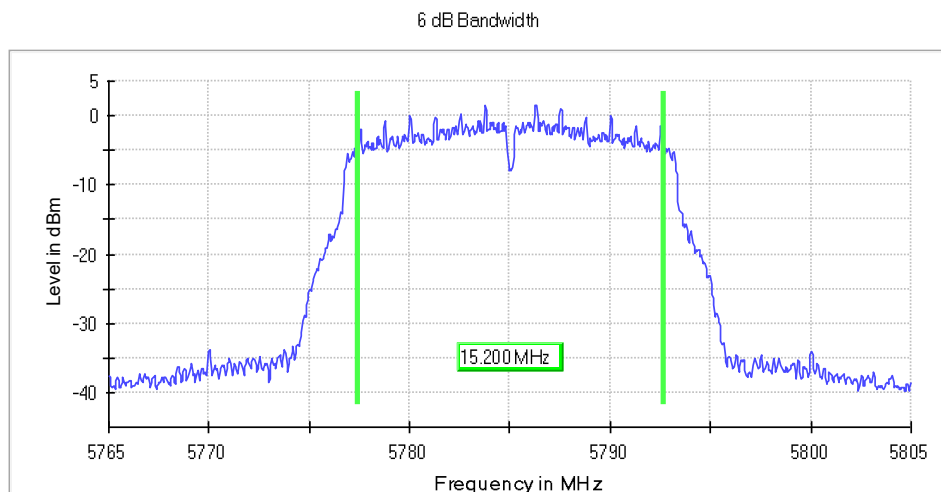
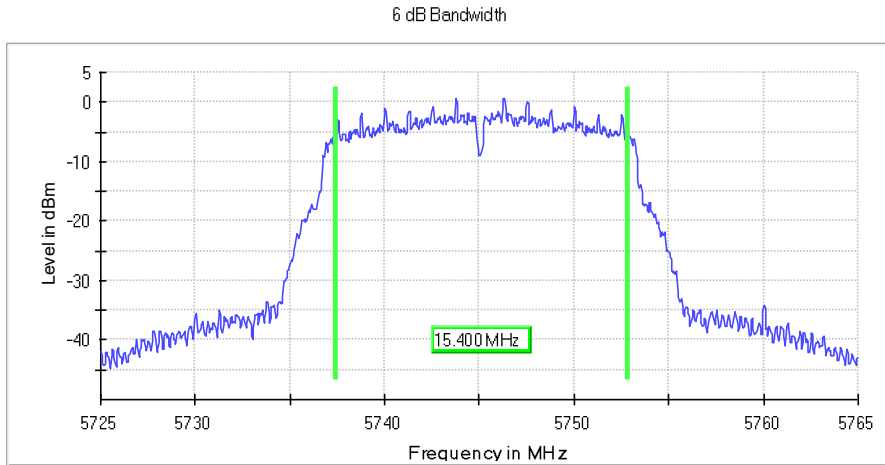
Channel (mode)	Channel Frequency (MHz)	Emissions bandwidth
		6dB Bandwidth (MHz)
151 (802.11n-HT40)	5755	35.150
159 (802.11n-HT40)	5795	35.200

Channel (mode)	Channel Frequency (MHz)	Emissions bandwidth
		6dB Bandwidth (MHz)
151 (802.11ac40)	5755	35.150
159 (802.11ac40)	5795	35.200

Channel (mode)	Channel Frequency (MHz)	Emissions bandwidth
		6dB Bandwidth (MHz)
155 (802.11ac80)	5775	75.150

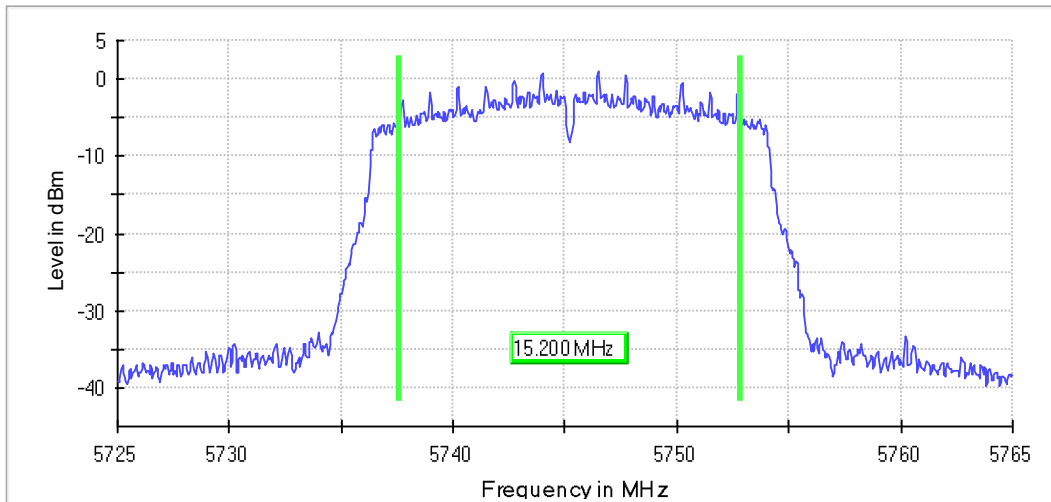
All 6dB bandwidth wider than 500KHz.

2.2 Test Graphs
802.11a

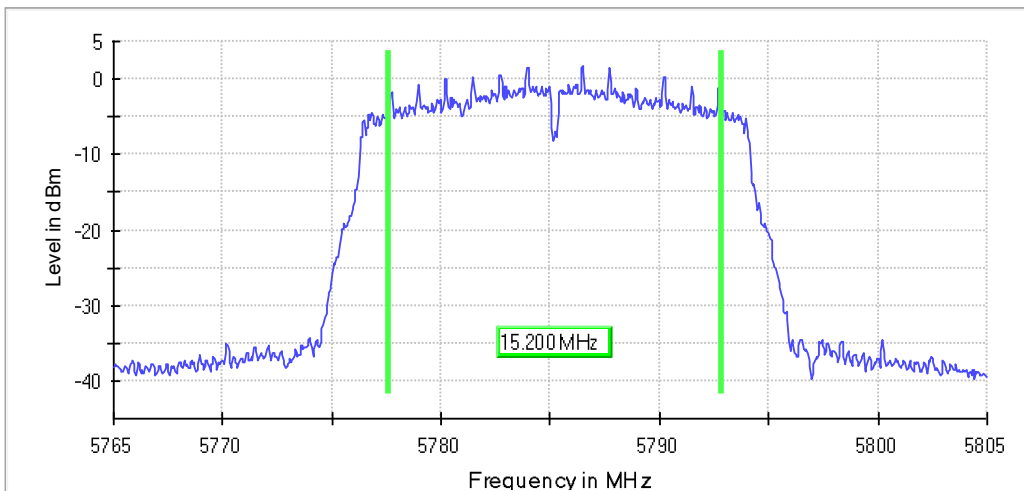


802.11n-HT20

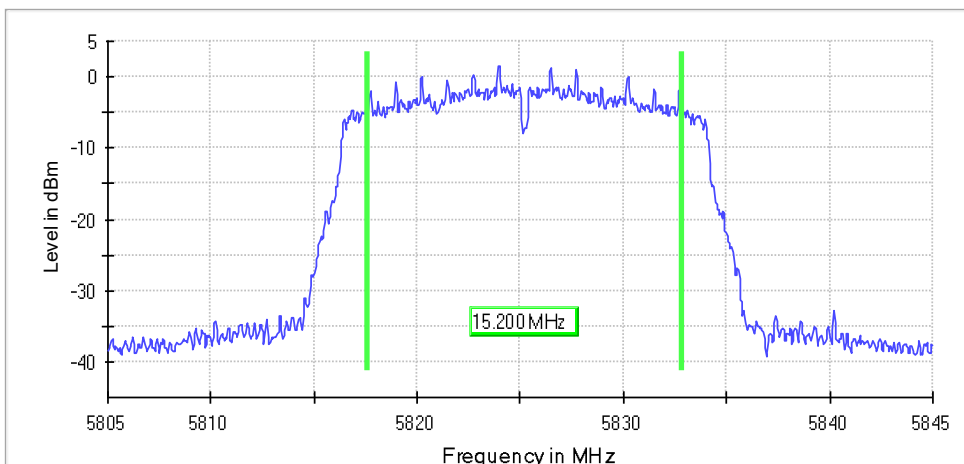
6 dB Bandwidth



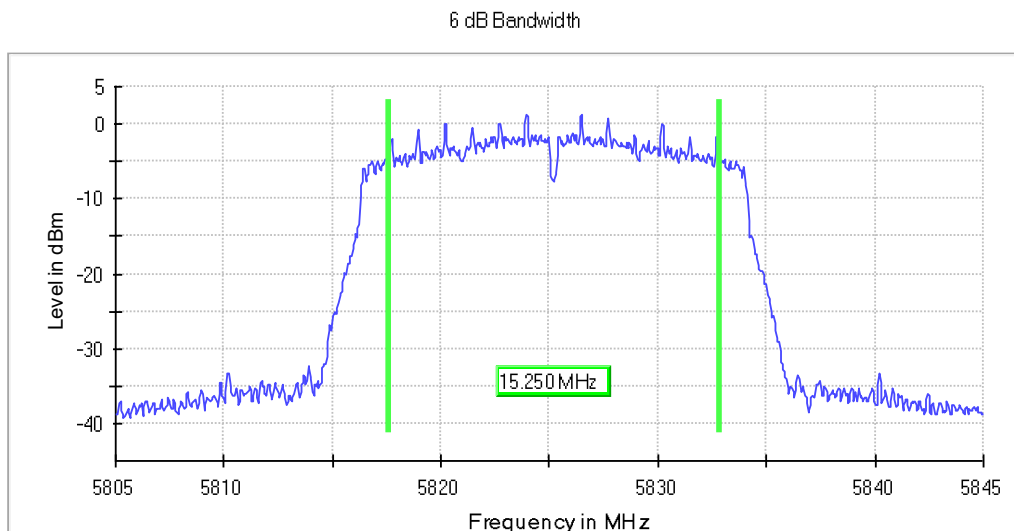
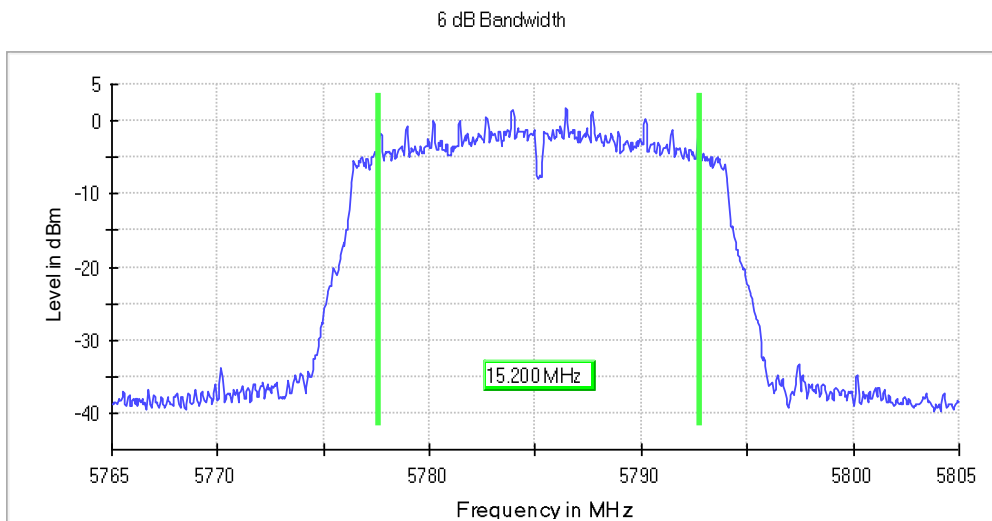
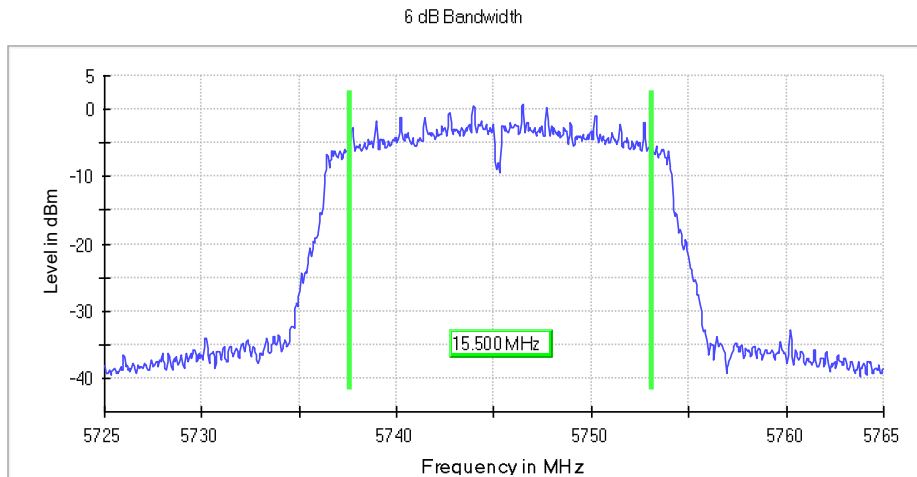
6 dB Bandwidth



6 dB Bandwidth

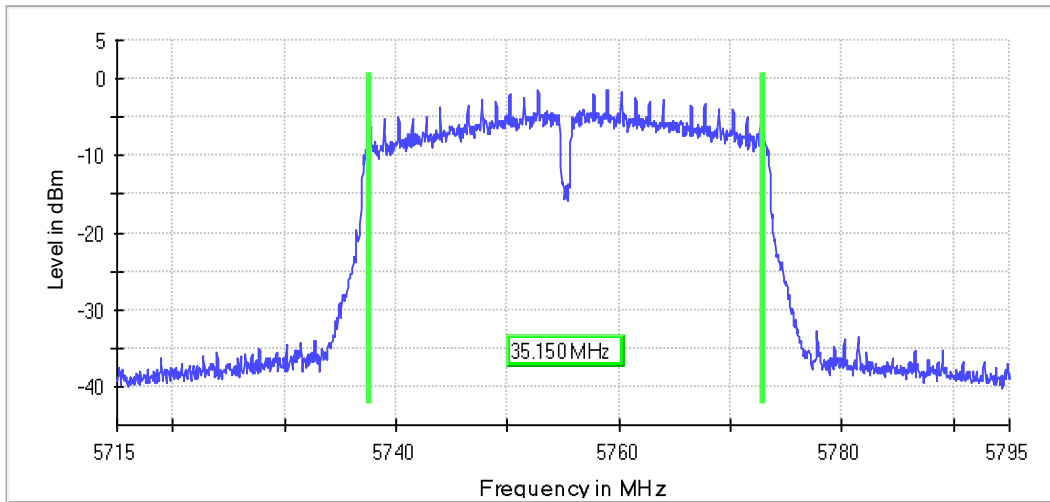


802.11ac20

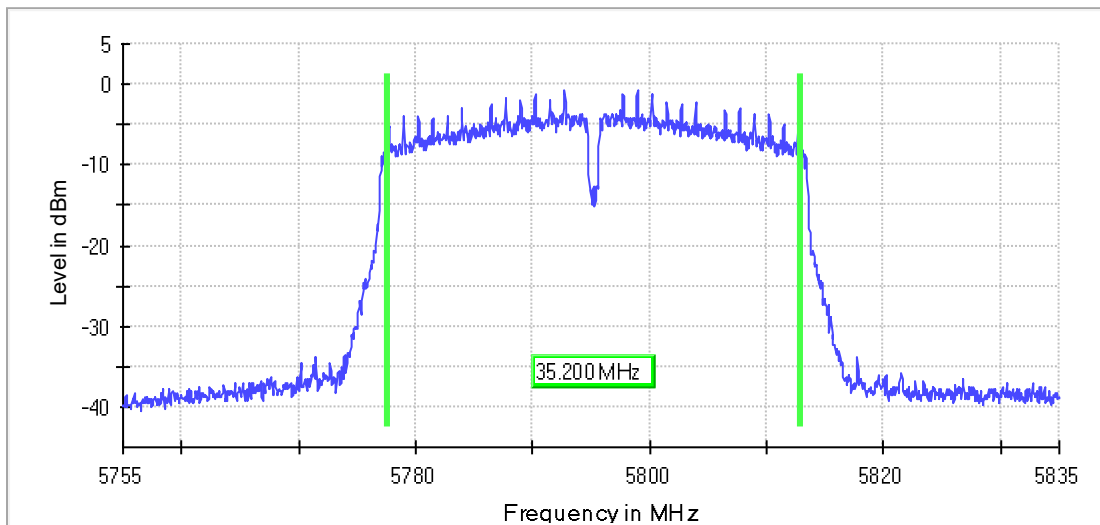


802.11n-HT40

6 dB Bandwidth

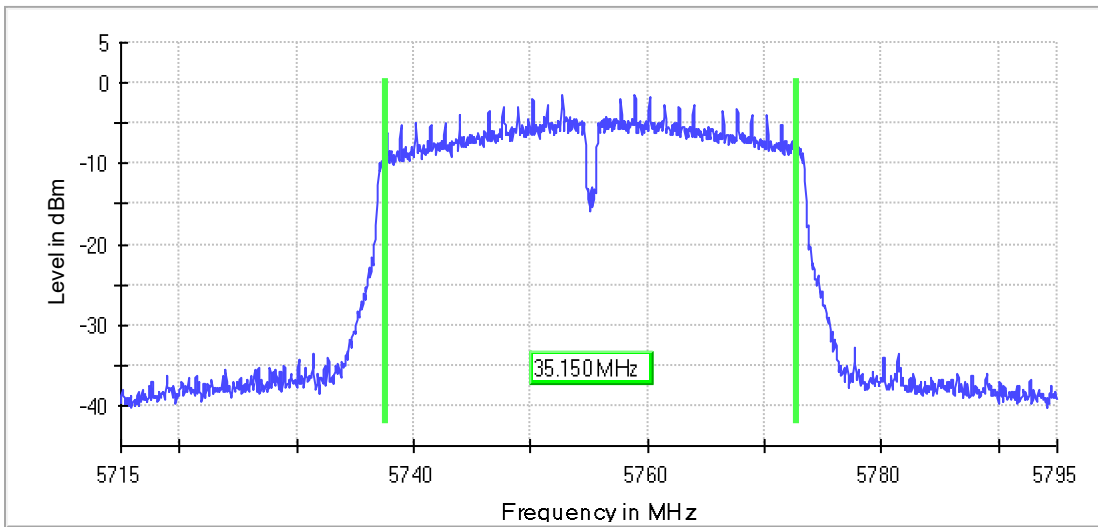


6 dB Bandwidth

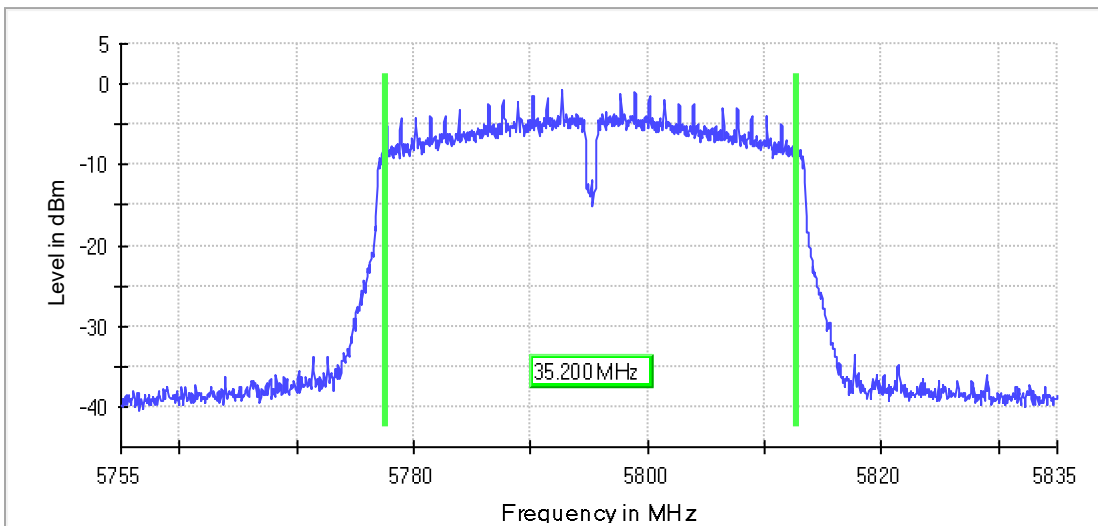


802.11ac40

6 dB Bandwidth

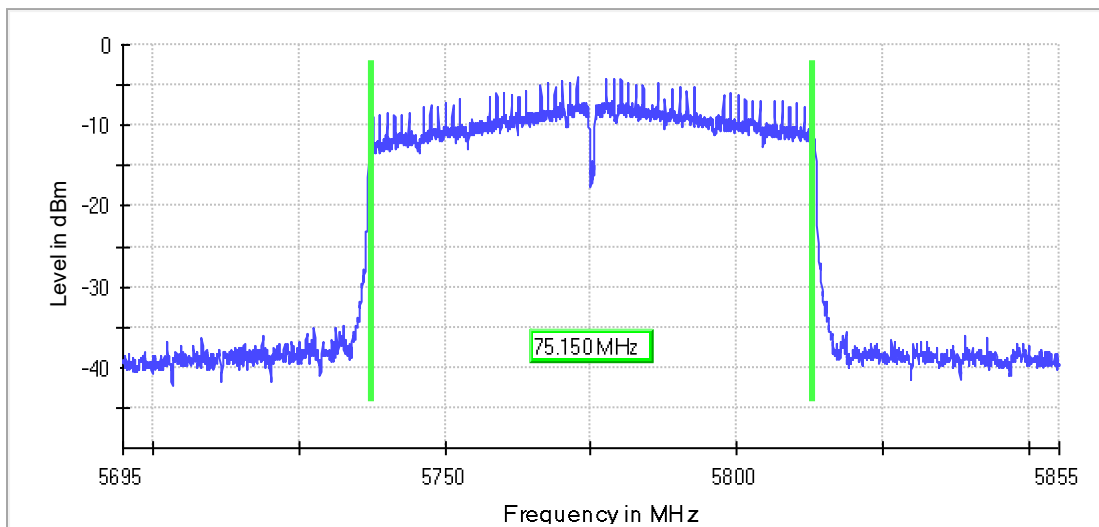


6 dB Bandwidth



802.11ac80

6 dB Bandwidth



3. Maximum output power

3.1 Test Data

Note: 23.98dBm=250mW, 30dBm=1000mW.

Channel (mode)	Channel Frequency (MHz)	RF Output Power (dBm)	Limit (dBm)	Result
36 (802.11a)	5180	12.8	23.98	Pass
40 (802.11a)	5200	12.7	23.98	Pass
48 (802.11a)	5240	13.5	23.98	Pass
52 (802.11a)	5260	13.7	23.98	Pass
56 (802.11a)	5280	13.0	23.98	Pass
64 (802.11a)	5320	12.9	23.98	Pass
100 (802.11a)	5500	12.4	23.98	Pass
120 (802.11a)	5600	12.1	23.98	Pass
144 (802.11a)	5720	11.9(U-NII-2C)	23.98	Pass
		5.9(U-NII-3)	30	Pass
149 (802.11a)	5745	13.0	30	Pass
157 (802.11a)	5785	14.1	30	Pass
165 (802.11a)	5825	13.7	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Output Power (dBm)	FCC Limit (dBm)	Result
36 (802.11n-HT20)	5180	15.6	23.98	Pass
40 (802.11n-HT20)	5200	15.5	23.98	Pass
48 (802.11n-HT20)	5240	16.0	23.98	Pass
52 (802.11n-HT20)	5260	16.3	23.98	Pass
56 (802.11n-HT20)	5280	16.1	23.98	Pass
64 (802.11n-HT20)	5320	15.6	23.98	Pass
100 (802.11n-HT20)	5500	15.2	23.98	Pass
120 (802.11n-HT20)	5600	15.2	23.98	Pass
144 (802.11n-HT20)	5720	14.61(U-NII-2C)	23.98	Pass
144 (802.11n-HT20)	5720	9.2(U-NII-3)	30	Pass
149 (802.11n-HT20)	5745	16.2	30	Pass
157 (802.11n-HT20)	5785	17.3	30	Pass
165 (802.11n-HT20)	5825	17.0	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Output Power (dBm)	FCC Limit (dBm)	Result
36 (802.11ac20)	5180	15.7	23.98	Pass
40 (802.11ac20)	5200	15.5	23.98	Pass
48 (802.11ac20)	5240	16.0	23.98	Pass
52 (802.11ac20)	5260	16.2	23.98	Pass
56 (802.11ac20)	5280	16.1	23.98	Pass
64 (802.11ac20)	5320	16.0	23.98	Pass
100 (802.11ac20)	5500	15.5	23.98	Pass
120 (802.11ac20)	5600	15.6	23.98	Pass
144 (802.11ac20)	5720	14.91(U-NII-2C)	23.98	Pass
144 (802.11ac20)	5720	9.5(U-NII-3)	30	Pass
149 (802.11ac20)	5745	16.2	30	Pass
157 (802.11ac20)	5785	17.2	30	Pass
165 (802.11ac20)	5825	17.0	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Output Power (dBm)	FCC Limit (dBm)	Result
38 (802.11n-HT40)	5190	15.6	23.98	Pass
46 (802.11n-HT40)	5230	15.9	23.98	Pass
54 (802.11n-HT40)	5270	16.2	23.98	Pass
62 (802.11n-HT40)	5310	15.7	23.98	Pass
102 (802.11n-HT40)	5510	15.4	23.98	Pass
118 (802.11n-HT40)	5590	16.1	23.98	Pass
142 (802.11n-HT40)	5710	14.98(U-NII-2C)	23.98	Pass
142 (802.11n-HT40)	5710	9.72(U-NII-3)	30	Pass
151 (802.11n-HT40)	5755	16.4	30	Pass
159 (802.11n-HT40)	5795	17.1	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Output Power (dBm)	FCC Limit (dBm)	Result
38 (802.11ac40)	5190	16.0	23.98	Pass
46 (802.11ac40)	5230	16.1	23.98	Pass
54 (802.11ac40)	5270	16.2	23.98	Pass
62 (802.11ac40)	5310	15.6	23.98	Pass
102 (802.11ac40)	5510	15.3	23.98	Pass
118 (802.11ac40)	5590	16.1	23.98	Pass
142 (802.11ac40)	5710	14.92(U-NII-2C)	23.98	Pass
142 (802.11ac40)	5710	9.60(U-NII-3)	30	Pass
151 (802.11ac40)	5755	16.5	30	Pass
159 (802.11ac40)	5795	17.3	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Output Power (dBm)	FCC Limit (dBm)	Result
42 (802.11ac80)	5210	15.6	23.98	Pass
58 (802.11ac80)	5290	15.6	23.98	Pass
106 (802.11ac80)	5530	15.2	23.98	Pass
138 (802.11ac80)	5690	15.01 (U-NII-2C)	23.98	Pass
138 (802.11ac80)	5690	9.80(U-NII-3)	30	Pass
155 (802.11ac80)	5775	16.7	30	Pass

Note:

1. As fro 802.11a, only SISO supported. Both RF ports tested, only the higher power data recorded above.
2. As fro 802.11n/ac, Both MIMO and SISO supported. Both MIMO and SISO mode tested, only the higher power mode MIMO recorded above.

4. Power Spectral Density

4.1 Test Datas

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Limit (dBm/500K Hz)	Result
48 (802.11a)	5240	1.548	11	/	Pass
48 (802.11n20)	5240	4.148	11	/	Pass
48 (802.11ac20)	5240	4.097	11	/	Pass
46 (802.11nT40)	5230	1.070	11	/	Pass
38 (802.11ac40)	5190	1.503	11	/	Pass
42 (802.11ac80)	5210	-2.647	11	/	Pass
52 (802.11a)	5260	1.783	11	/	Pass
52 (802.11n20)	5260	4.591	11	/	Pass
52 (802.11ac20)	5260	4.220	11	/	Pass
54 (802.11n40)	5270	1.320	11	/	Pass
54 (802.11ac40)	5270	0.873	11	/	Pass
58 (802.11ac80)	5290	-2.765	11	/	Pass
140 (802.11a)	5700	0.658	11	/	Pass
140 (802.11n20)	5700	3.551	11	/	Pass
140 (802.11ac20)	5700	4.757	11	/	Pass
134 (802.11n40)	5670	2.293	11	/	Pass
134 (802.11ac40)	5670	2.028	11	/	Pass
138 (802.11ac80)	5690	-1.432	11	/	Pass
157 (802.11a)	5785	-1.669	/	30	Pass
157 (802.11n20)	5785	1.533	/	30	Pass
157 (802.11ac20)	5785	1.589	/	30	Pass
159 (802.11n40)	5795	-1.444	/	30	Pass
159 (802.11ac40)	5795	-1.725	/	30	Pass
155 (802.11ac80)	5775	-5.189	/	30	Pass

Note:

1. As fro 802.11a, only SISO supported. Both RF ports tested, only the higher power data recorded above.
2. As fro 802.11n/ac, Both MIMO and SISO supported. Both MIMO and SISO mode tested, only the higher power mode MIMO recorded above.
3. All required channels tested, only the worst-case channels reported.

5. Transmitter Spurious Emissions

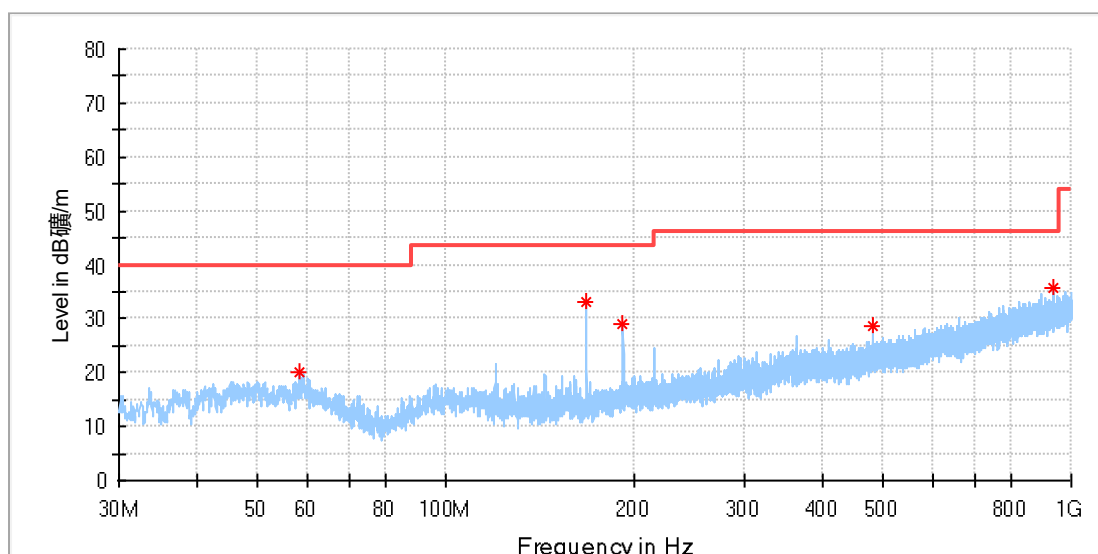
Note:

1. Testing is carried out with frequency rang 9kHz to the tenth harmonics. And it verified that the emssions above 18GHz are just floor-nises, no need to report it.
2. The emissions more than 20dB below the limits not recorded.
3. All modes for required channel tested, only the worst-case reported.

5.1 Transmitter Spurious Emissions, Below 1GHz

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

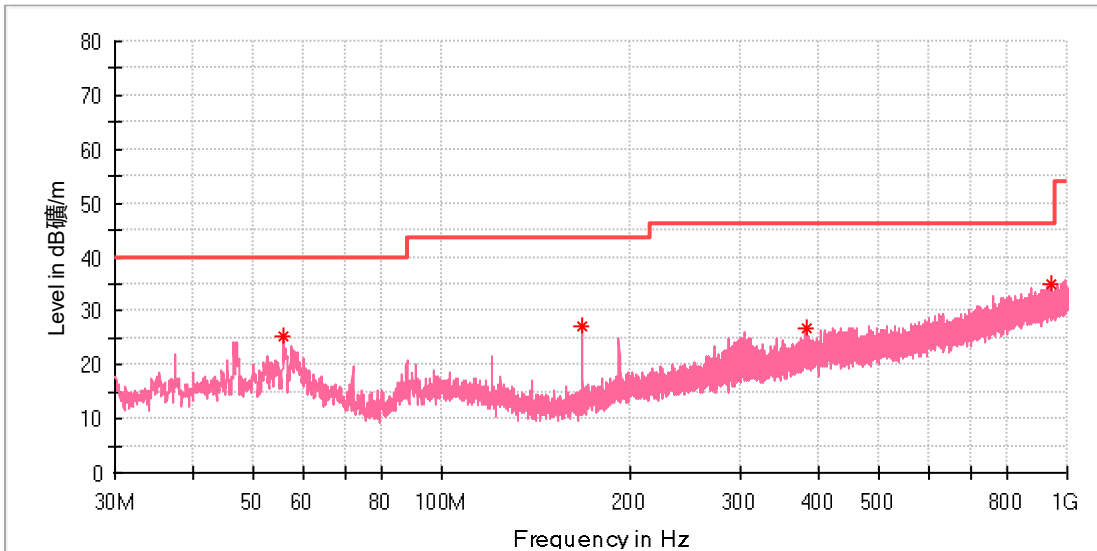
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
58.227000	20.10	40.00	19.90	100.0	H	218.0	-18.8
168.031000	33.28	43.50	10.22	100.0	H	218.0	-21.3
191.990000	28.93	43.50	14.57	100.0	H	229.0	-19.4
480.031500	28.61	46.00	17.40	100.0	H	8.0	-12.2
934.137000	35.70	46.00	10.30	100.0	H	0.0	-4.6

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Wireless communication module
 Model: WF-M63B-USD1
 Test Mode: WIFI 5G_11a_Ch36
 Order No/Sample No: 168350093/A003194326-001
 Test Voltage:: DC 5V From USB
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
55.753500	25.20	40.00	14.80	100.0	V	139.0	-18.5
168.031000	27.34	43.50	16.16	100.0	V	316.0	-21.3
381.625000	26.88	46.00	19.12	100.0	V	0.0	-14.2
939.278000	35.05	46.00	10.95	100.0	V	51.0	-4.6

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

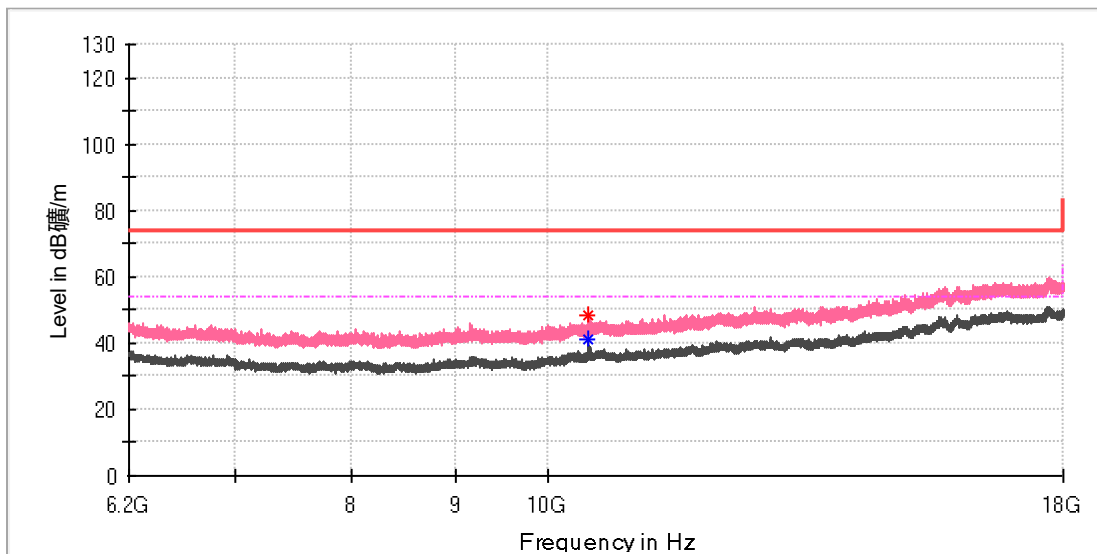
5.2 Transmitter Spurious Emissions, above 1GHz

Note: The highest waveform in the figure is Wi-Fi Fundamental.

U-NII-1 Band:

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

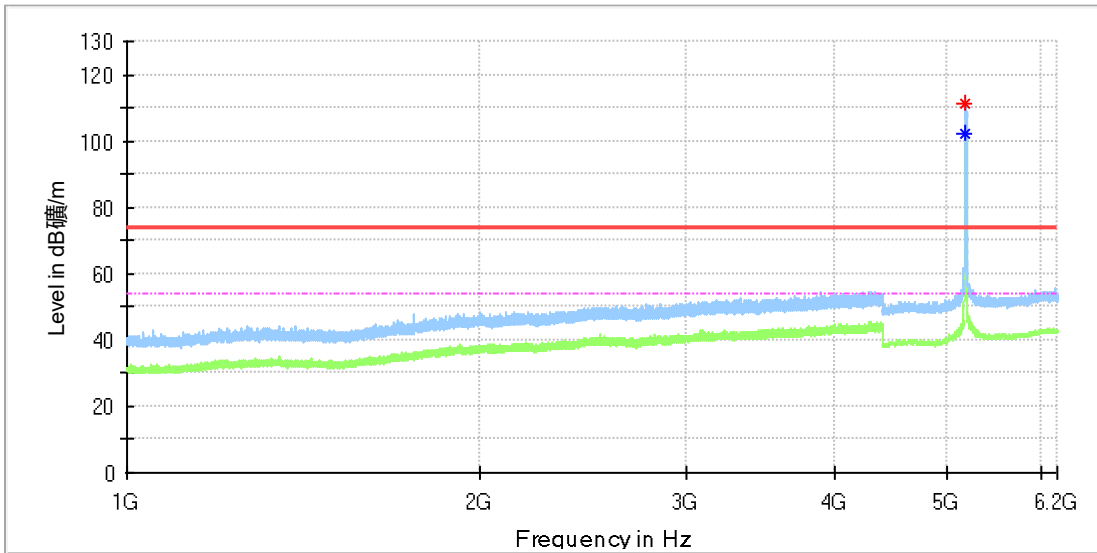
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10475.533333	48.44	---	74.00	25.56	100.0	V	162.0	12.0
10475.533333	---	41.42	54.00	12.58	100.0	V	162.0	12.0

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch36
Order No./Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

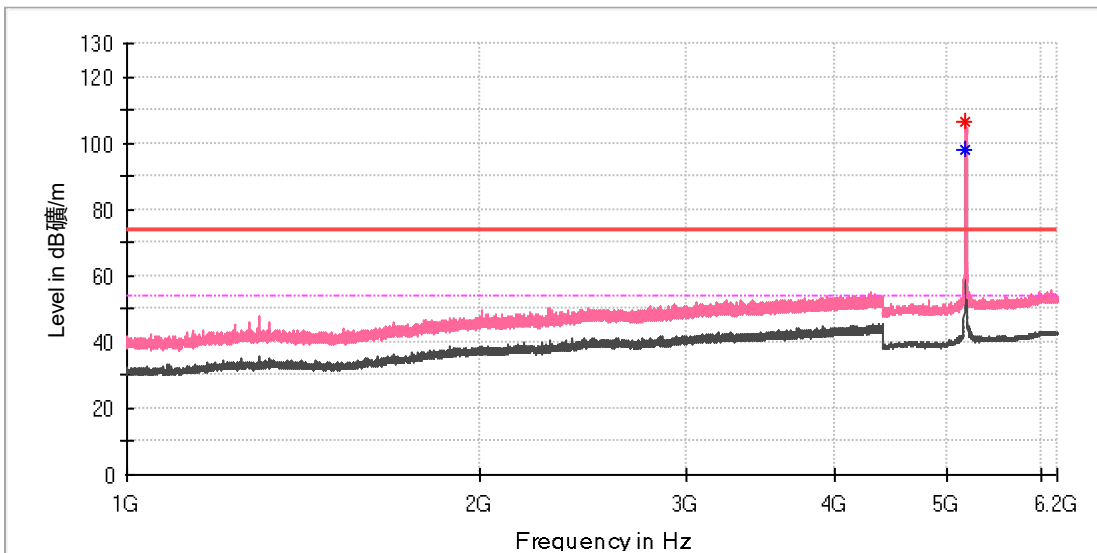
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5177.500000	111.05	---	74.00	-37.05	100.0	H	157.0	12.6
5181.500000	---	102.28	54.00	-48.28	100.0	H	164.0	12.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

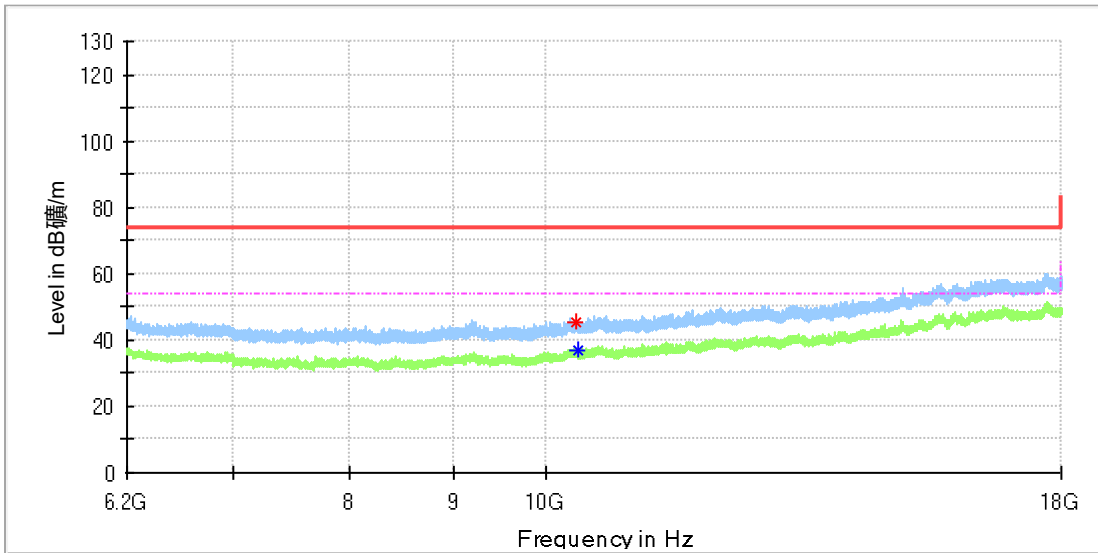
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5179.000000	106.53	---	74.00	-32.53	100.0	V	166.0	12.6
5179.000000	---	97.67	54.00	-43.67	100.0	V	166.0	12.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch36
Order No./Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

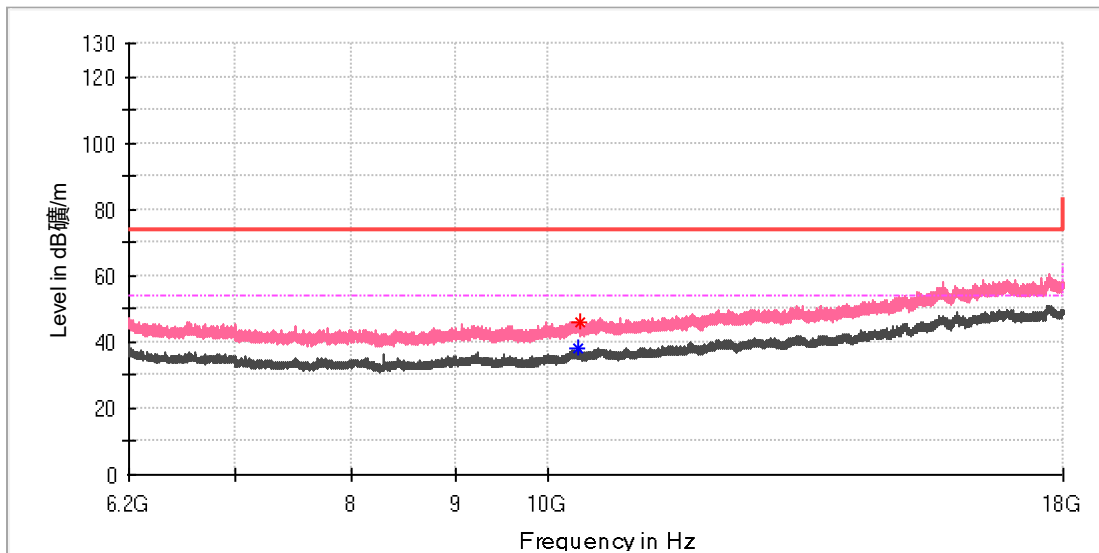
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10359.991667	45.56	---	74.00	28.44	100.0	H	152.0	11.8
10361.958333	---	37.07	54.00	16.93	100.0	H	20.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch36
Order No./Sample No.:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

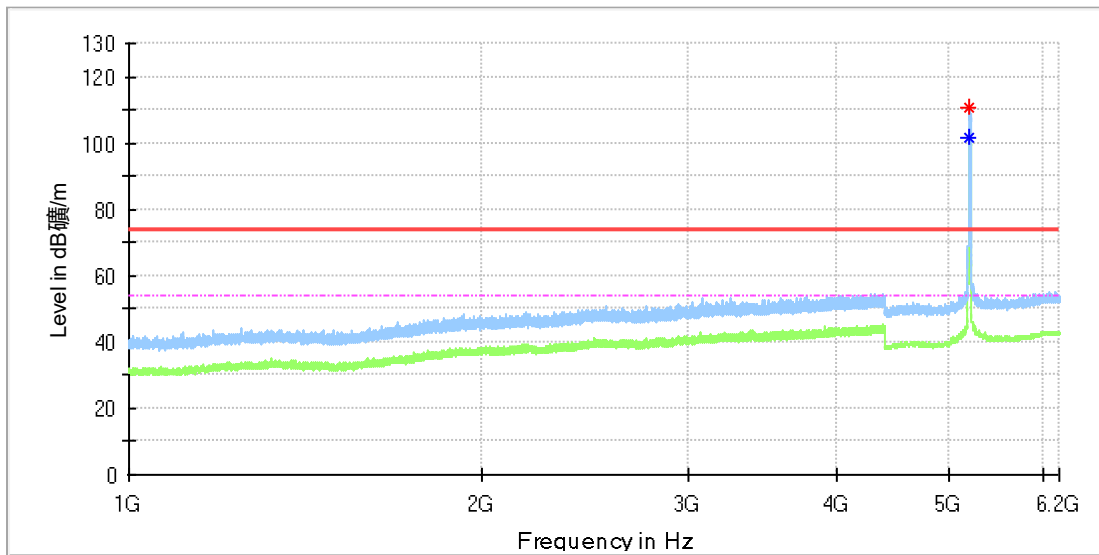
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10357.533333	---	38.16	54.00	15.84	100.0	V	196.0	11.8
10361.958333	46.20	---	74.00	27.80	100.0	V	196.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch40
Order No./Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

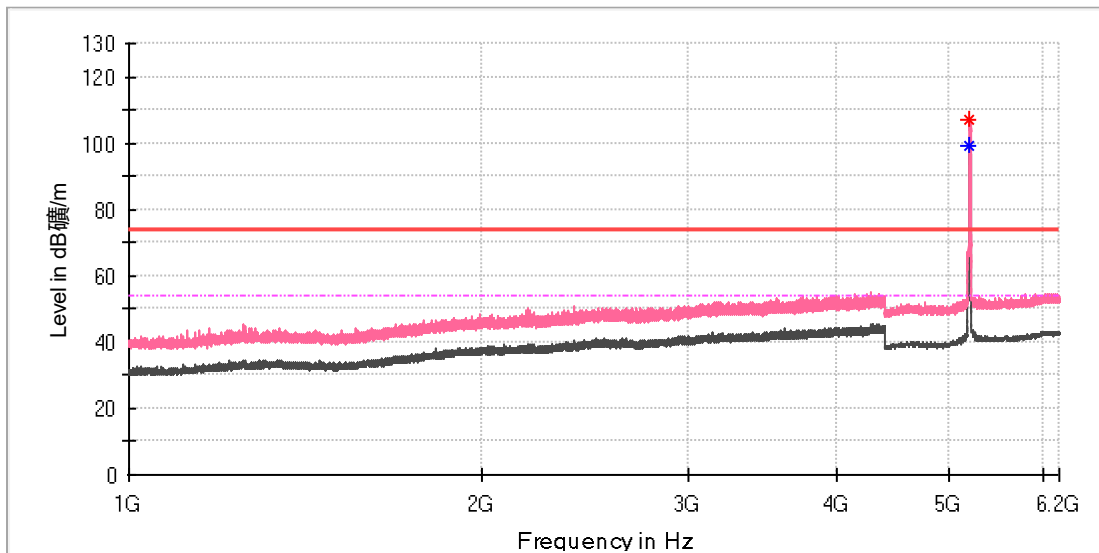
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5198.500000	110.88	---	74.00	-36.88	100.0	H	161.0	12.6
5199.000000	---	101.59	54.00	-47.59	100.0	H	161.0	12.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

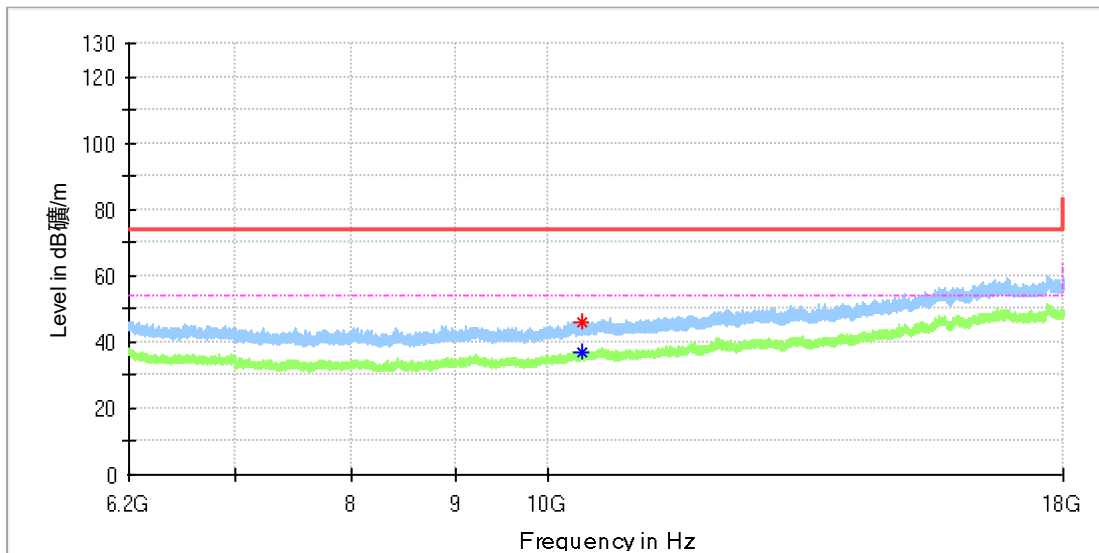
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5199.000000	---	99.17	54.00	-45.17	100.0	V	163.0	12.6
5199.500000	107.32	---	74.00	-33.32	100.0	V	163.0	12.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch40
Order No./Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

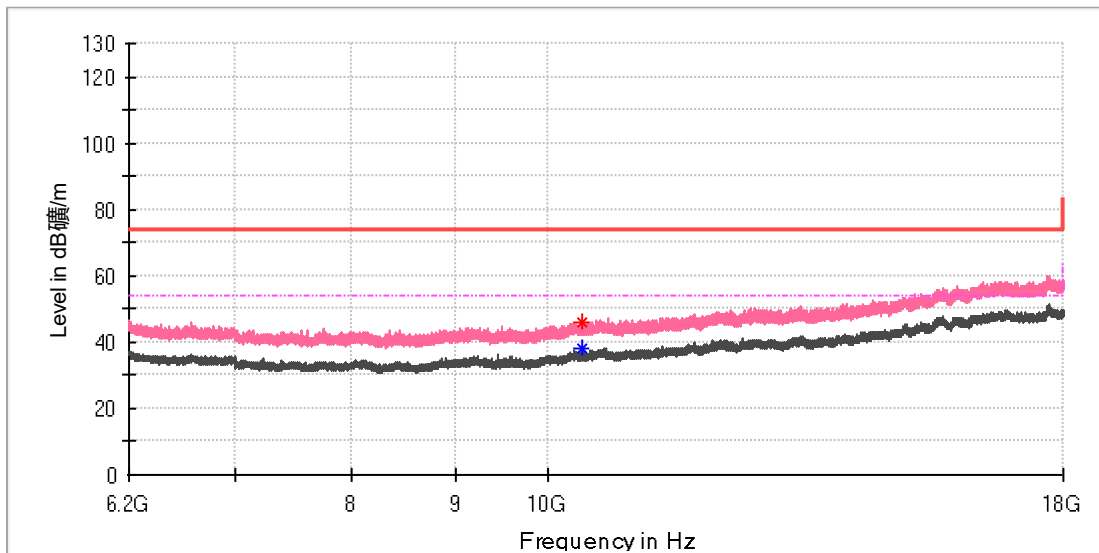
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10392.9333333	45.73	---	74.00	28.27	100.0	H	0.0	11.9
10404.241667	---	37.01	54.00	16.99	100.0	H	156.0	11.9

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

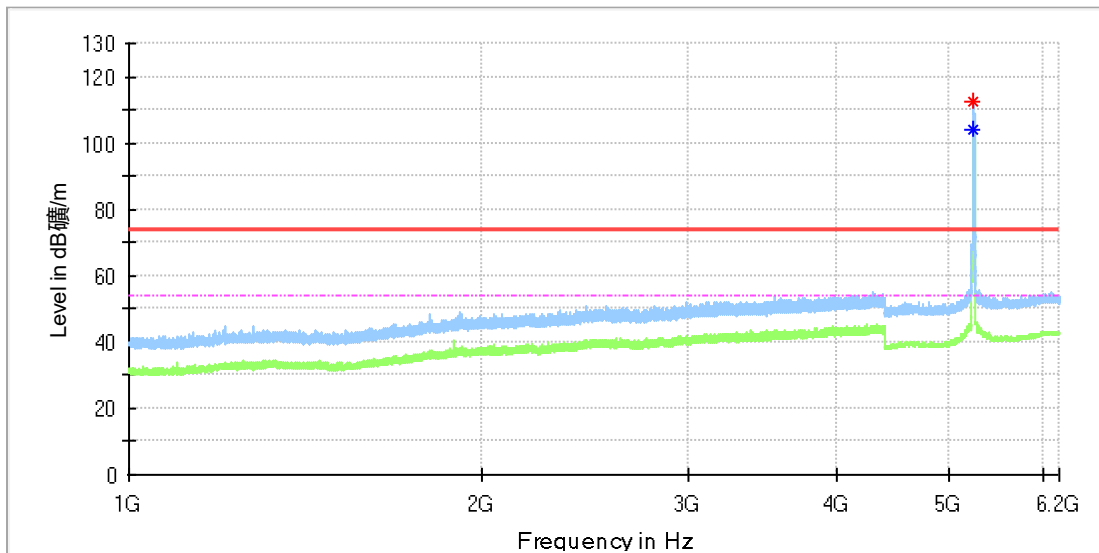
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10396.866667	---	38.18	54.00	15.82	100.0	V	177.0	11.9
10398.833333	45.86	---	74.00	28.14	100.0	V	52.0	11.9

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch48
Order No./Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

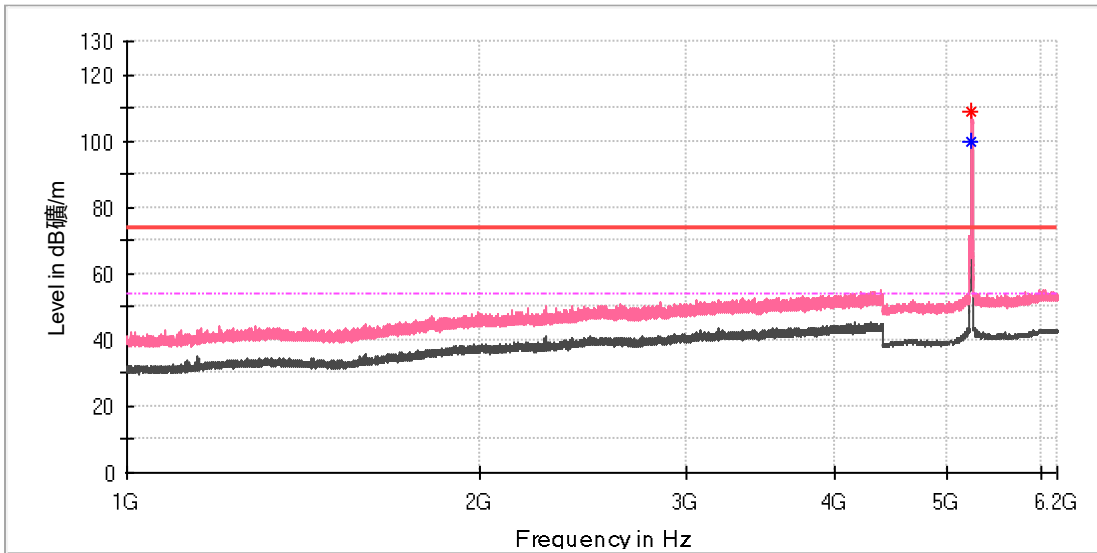
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5238.500000	---	103.74	54.00	-49.74	100.0	H	160.0	12.8
5241.000000	112.27	---	74.00	-38.27	100.0	H	160.0	12.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch48
Order No./Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

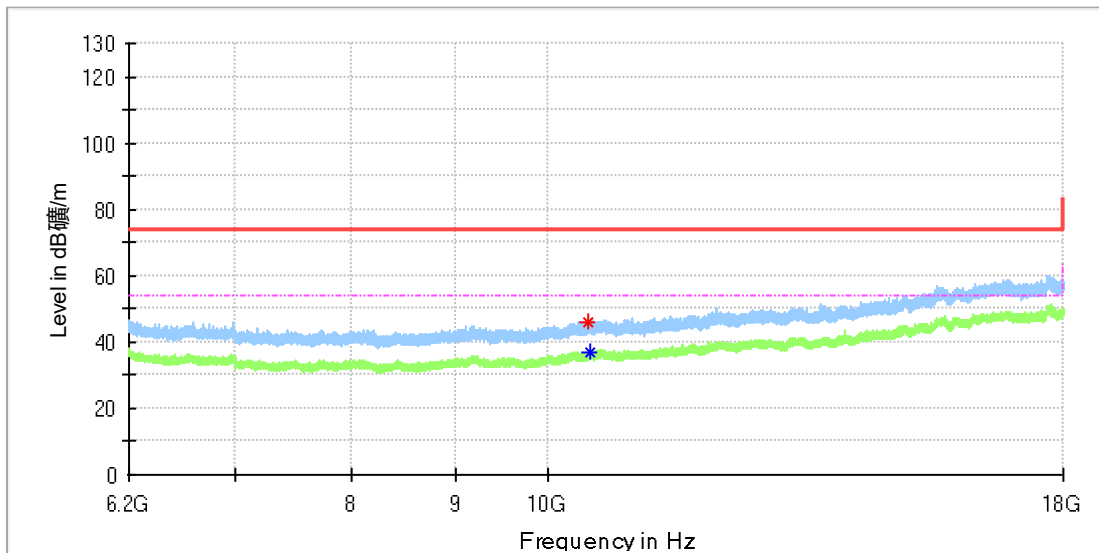
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5241.000000	108.64	---	74.00	-34.64	100.0	V	160.0	12.8
5238.500000	---	99.66	54.00	-45.66	100.0	V	168.0	12.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch48
Order No./Sample No.:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

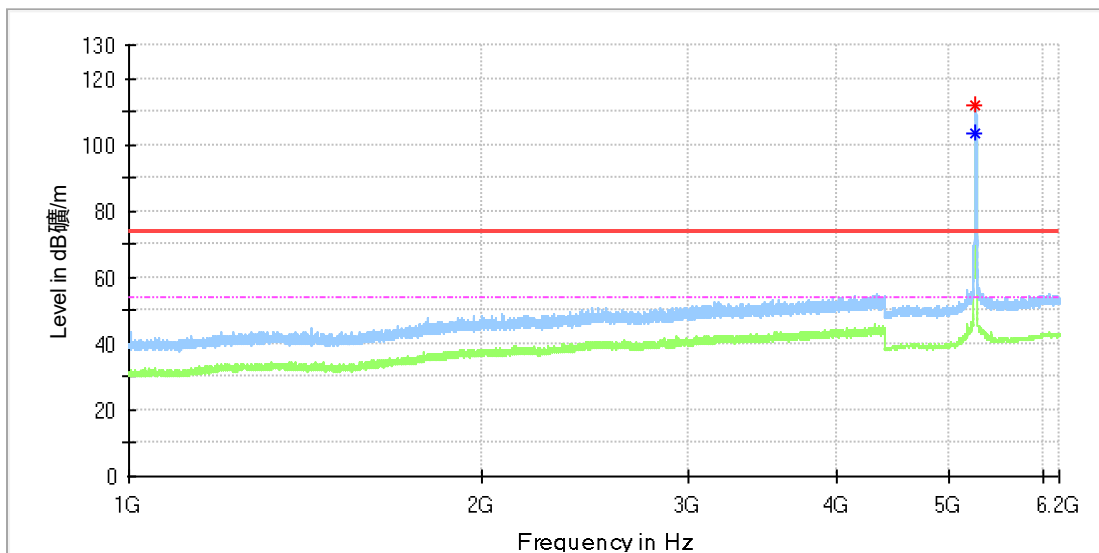
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10477.991667	45.85	---	74.00	28.15	100.0	H	0.0	12.0
10479.958333	---	37.17	54.00	16.83	100.0	H	0.0	12.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

U-NII-2A:
EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch52
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

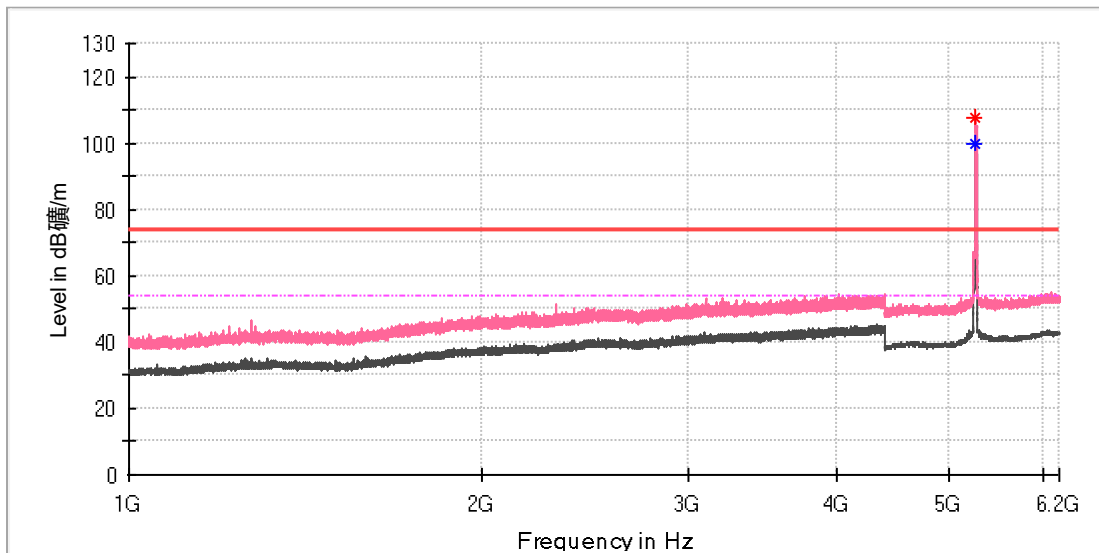
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5258.500000	112.16	---	74.00	-38.16	100.0	H	163.0	12.9
5261.500000	---	103.56	54.00	-49.56	100.0	H	163.0	12.9

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch52
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

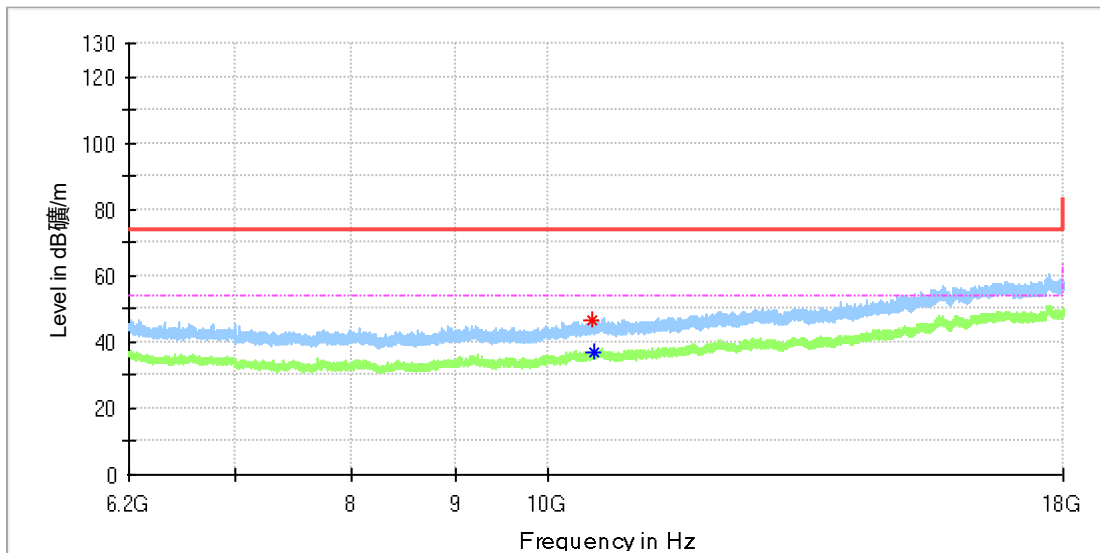
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5263.000000	107.83	---	74.00	-33.83	100.0	V	160.0	12.9
5258.500000	---	99.48	54.00	-45.48	100.0	V	166.0	12.9

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch52
Order No./Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

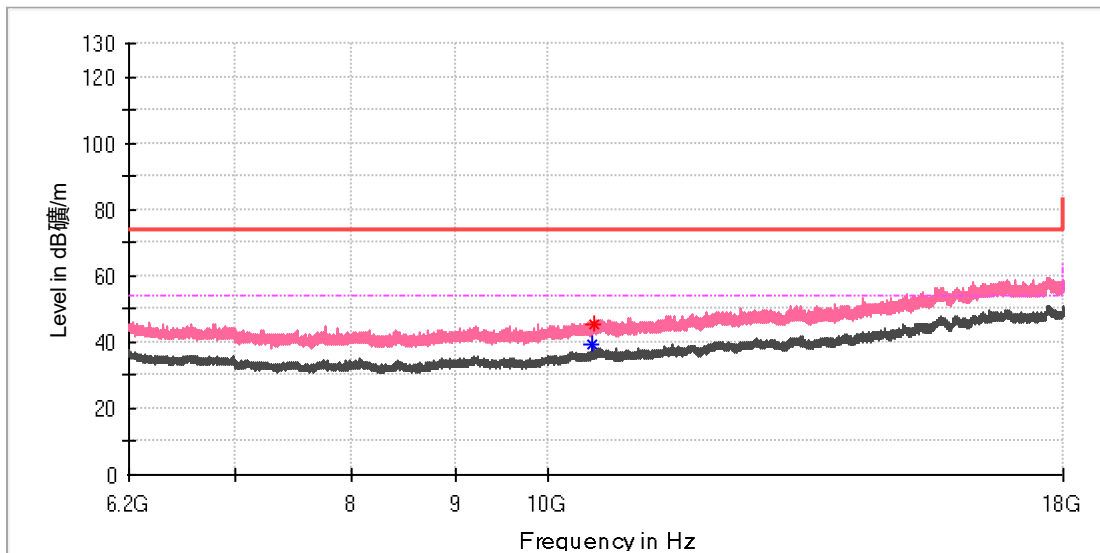
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10506.508333	46.64	---	74.00	27.36	100.0	H	114.0	12.0
10534.041667	---	36.90	54.00	17.10	100.0	H	0.0	12.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch52
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

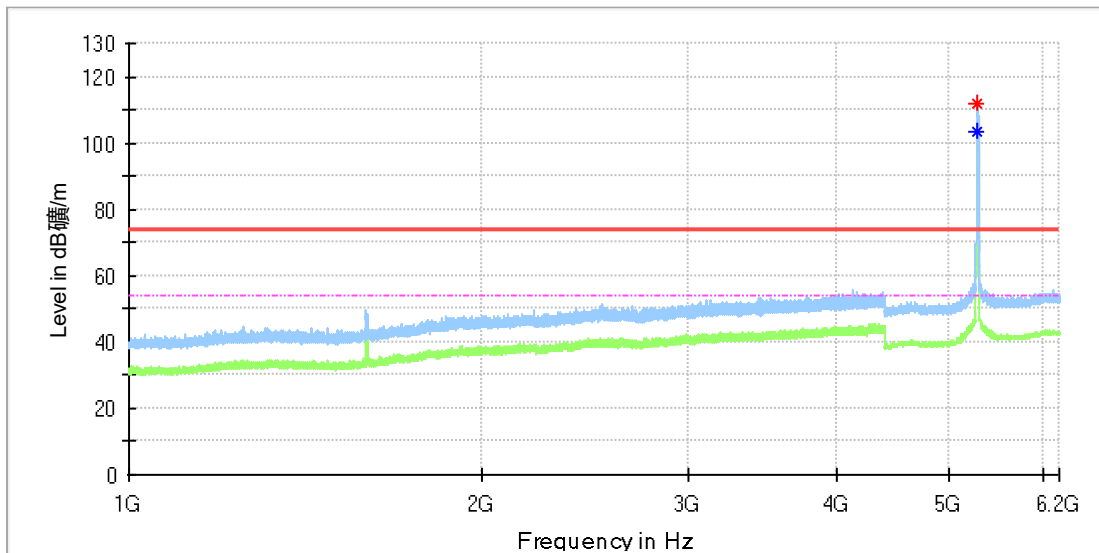
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10519.783333	---	39.41	54.00	14.59	100.0	V	197.0	12.0
10528.141667	45.14	---	74.00	28.86	100.0	V	209.0	12.0

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Wireless communication module
 Model: WF-M63B-USD1
 Test Mode: WIFI 5G_11a_Ch56
 Order No./Sample No: 168350093/A003194326-001
 Test Voltage:: DC 5V From USB
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

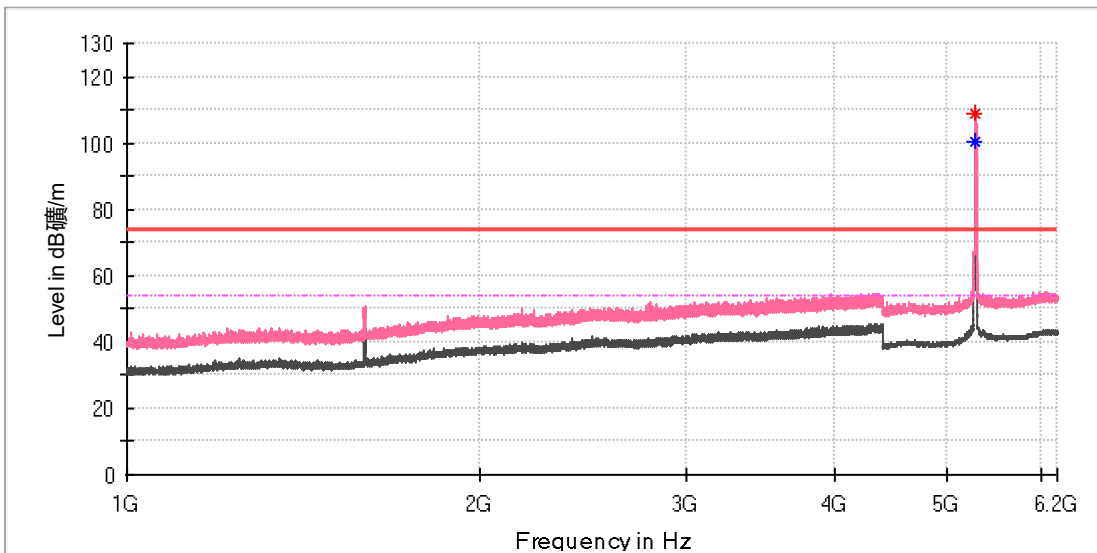
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5279.000000	---	103.49	54.00	-49.49	100.0	H	164.0	12.9
5279.000000	111.87	---	74.00	-37.87	100.0	H	164.0	12.9

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch56
Order No./Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

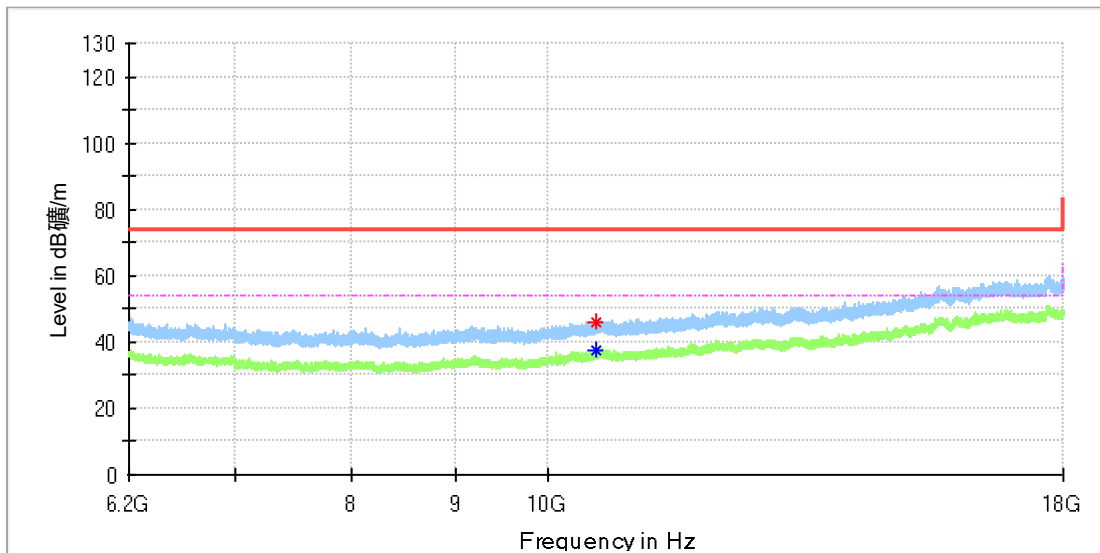
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5281.000000	---	100.20	54.00	-46.20	100.0	V	167.0	12.9
5281.500000	108.95	---	74.00	-34.95	100.0	V	167.0	12.9

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch56
Order No./Sample No.:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

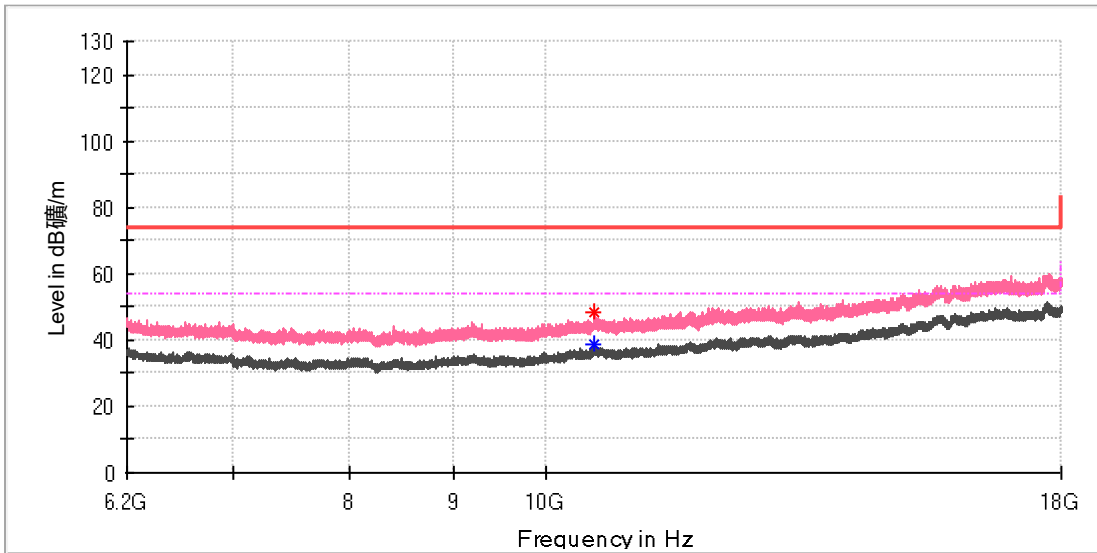
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10561.575000	---	37.63	54.00	16.37	100.0	H	0.0	12.0
10574.850000	46.02	---	74.00	27.98	100.0	H	63.0	12.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch56
Order No./Sample No.:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

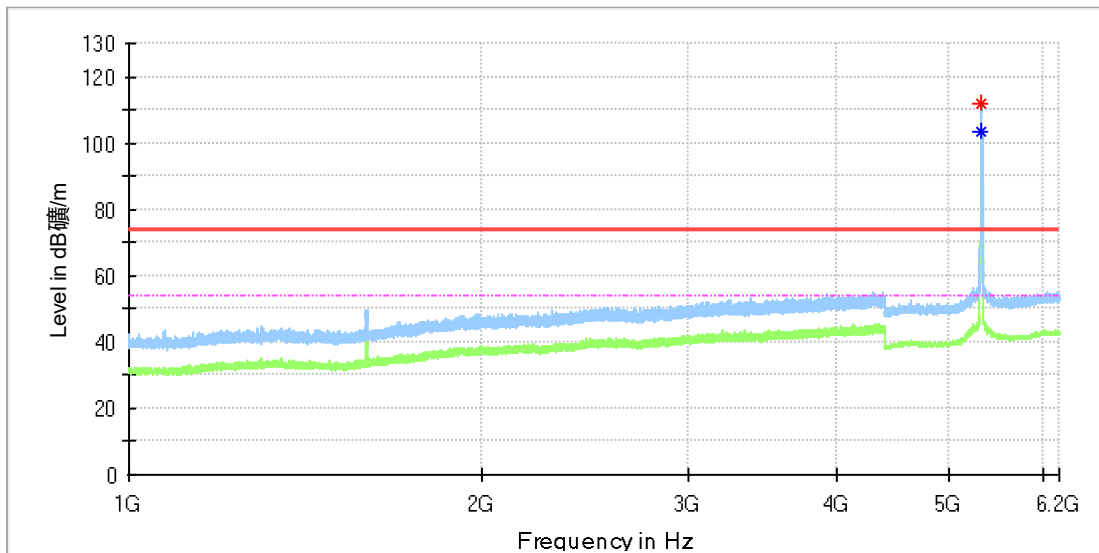
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10561.575000	---	38.70	54.00	15.30	100.0	V	168.0	12.0
10565.508333	48.14	---	74.00	25.86	100.0	V	204.0	12.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Wireless communication module
Model:	WF-M63B-USD1
Test Mode:	WIFI 5G_11a_Ch64
Order No./Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5321.000000	---	103.51	54.00	-49.51	100.0	H	163.0	13.1
5321.000000	112.12	---	74.00	-38.12	100.0	H	163.0	13.1

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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