

**802.11n\_HT40\_Lowest Channel (5 270 MHz)**

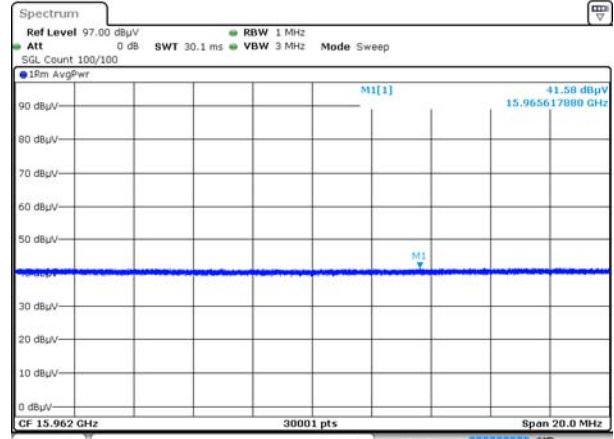
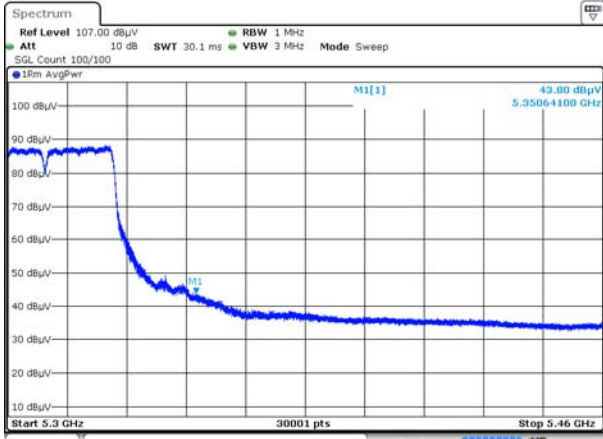
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
10 569.85	V	52.80	38.64	-42.47	-	48.97	68.20	19.23
15 869.05 <sup>1)</sup>	H	52.00	38.20	-39.30	-	50.90	74.00	23.10
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11n\_HT40\_Highest Channel (5 310 MHz)**

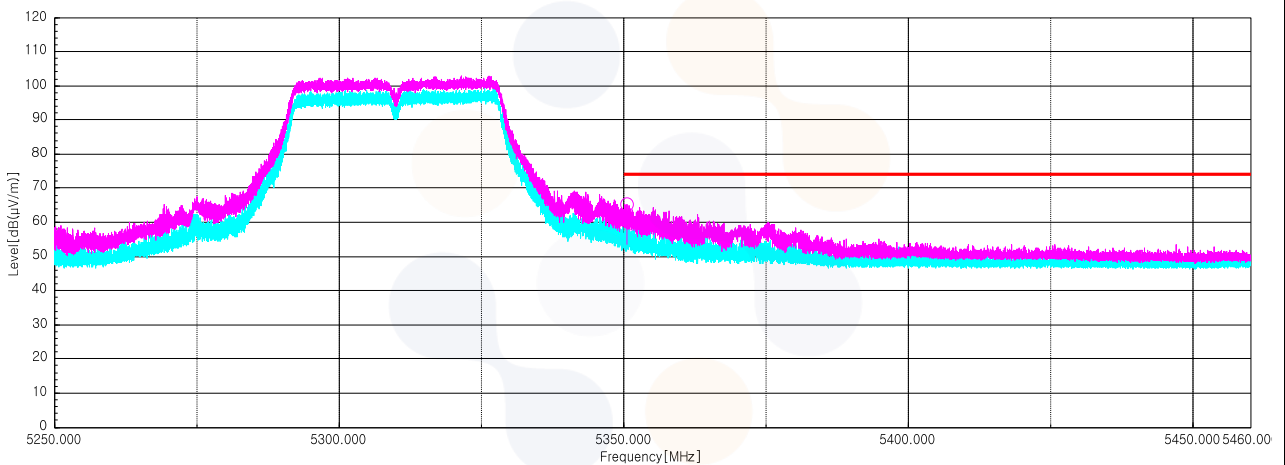
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 350.64 <sup>1)</sup>	H	59.80	32.60	-27.20	-	65.20	74.00	8.80
10 669.13 <sup>1)</sup>	H	53.40	38.70	-42.29	-	49.81	74.00	24.19
15 965.62 <sup>1)</sup>	V	52.10	38.33	-39.19	-	51.24	74.00	22.76
<b>Average Data</b>								
5 350.64 <sup>1)</sup>	H	43.80	32.60	-27.20	1.07	50.27	54.00	3.73
15 965.62 <sup>1)</sup>	V	41.58	38.33	-39.19	1.07	41.79	54.00	12.21

**802.11n\_HT40\_Highest Channel (5 310 MHz)**

**Average data**



**Horizontal/Vertical for Band-edge**



**802.11ac VHT20\_Lowest Channel (5 260 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
10 518.87	V	53.60	38.50	-42.57	-	49.53	68.20	18.67
15 770.55 <sup>1)</sup>	V	52.30	38.10	-39.42	-	50.98	74.00	23.02
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac VHT20\_Middle Channel (5 280 MHz)**

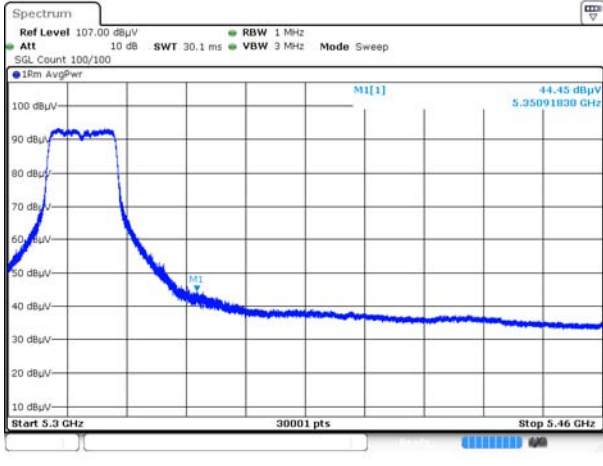
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
10 570.62	V	53.40	38.64	-42.47	-	49.57	68.20	18.63
15 809.63 <sup>1)</sup>	H	51.80	38.22	-39.37	-	50.65	74.00	23.35
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac VHT20\_Highest Channel (5 320 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 350.92 <sup>1)</sup>	H	62.50	32.60	-27.20	-	67.90	74.00	6.10
10 641.53 <sup>1)</sup>	H	53.80	38.78	-42.34	-	50.24	74.00	23.76
15 974.08 <sup>1)</sup>	V	51.60	38.35	-39.18	-	50.77	74.00	23.23
<b>Average Data</b>								
5 350.92 <sup>1)</sup>	H	44.45	32.60	-27.20	0.58	50.43	54.00	3.57

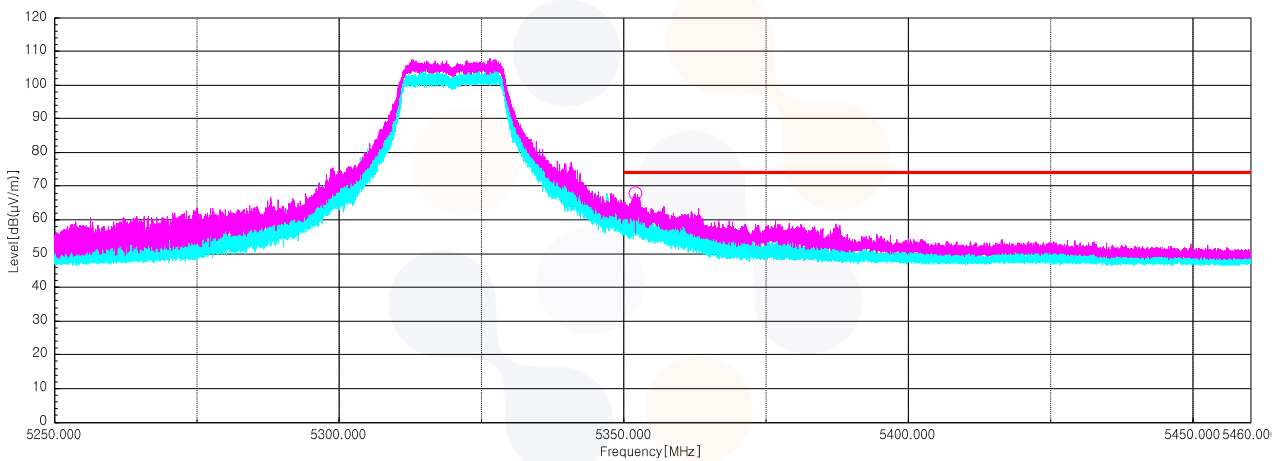
**802.11ac VHT20\_Highest Channel (5 320 MHz)**

**Average data**



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**Horizontal/Vertical for Band-edge**



**802.11ac VHT40\_Lowest Channel (5 270 MHz)**

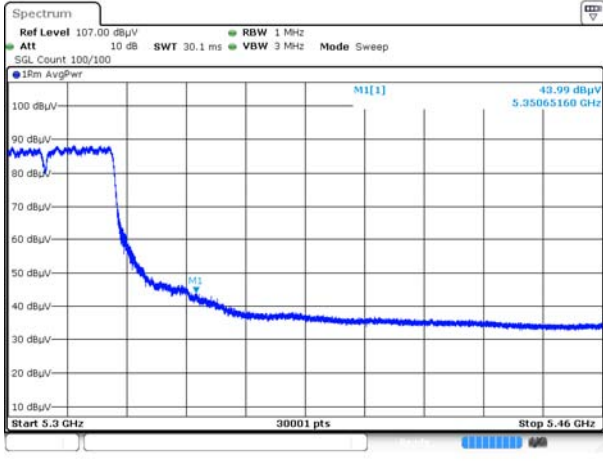
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
10 534.97	V	53.10	38.50	-42.54	-	49.06	68.20	19.14
15 860.62 <sup>1)</sup>	V	51.40	38.20	-39.31	-	50.29	74.00	23.71
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac VHT40\_Highest Channel (5 310 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 350.65 <sup>1)</sup>	H	60.00	32.60	-27.20	-	65.40	74.00	8.60
10 641.92 <sup>1)</sup>	V	53.10	38.78	-42.34	-	49.54	74.00	24.46
15 879.78 <sup>1)</sup>	V	51.70	38.20	-39.29	-	50.61	74.00	23.39
<b>Average Data</b>								
5 350.65 <sup>1)</sup>	H	43.99	32.60	-27.20	0.97	50.36	54.00	3.64

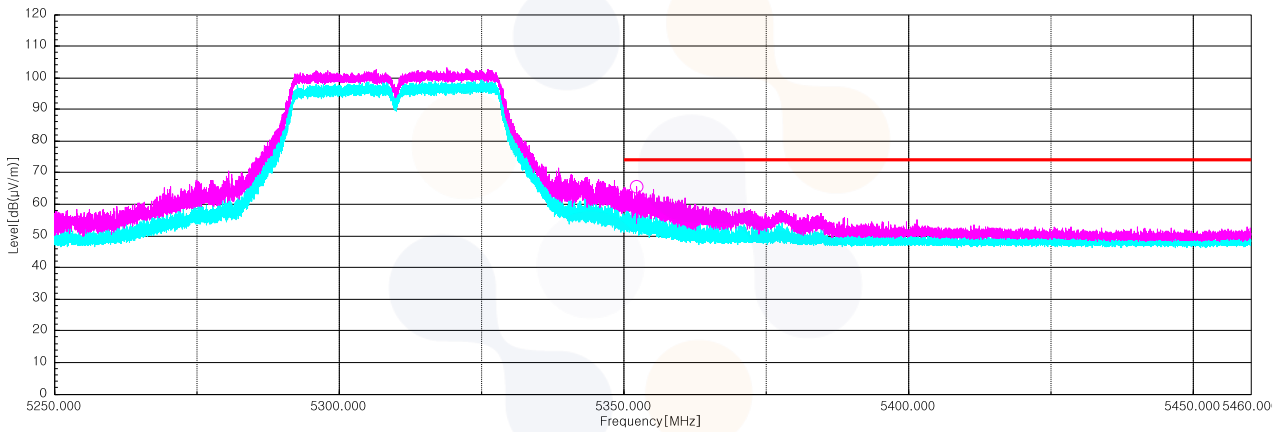
**802.11ac VHT40\_Highest Channel (5 310 MHz)**

**Average data**



Blank

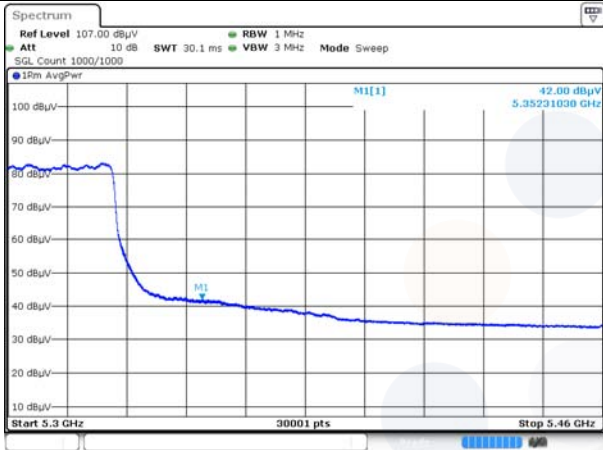
**Horizontal/Vertical for Band-edge**



**802.11ac VHT80\_Middle Channel (5 290 MHz)**

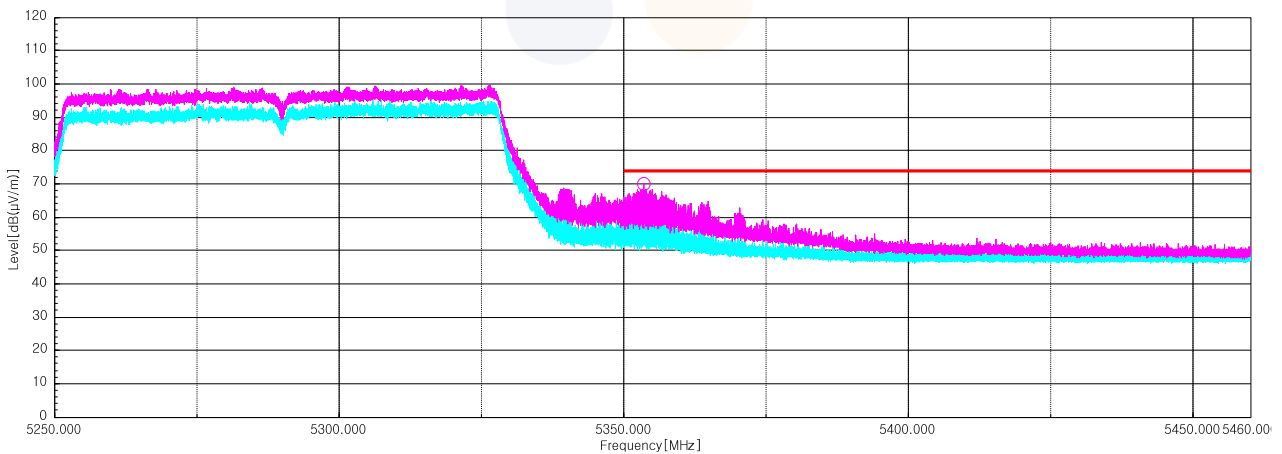
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 352.31 <sup>1)</sup>	H	64.70	32.60	-27.20	-	70.10	74.00	3.90
10 550.30	V	53.10	38.60	-42.51	-	49.19	68.20	19.01
15 954.53 <sup>1)</sup>	V	51.40	38.31	-39.20	-	50.51	74.00	23.49
<b>Average Data</b>								
5 352.31 <sup>1)</sup>	H	42.00	32.60	-27.20	1.82	49.22	54.00	4.78

**Average data**



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**Horizontal/Vertical for Band-edge**

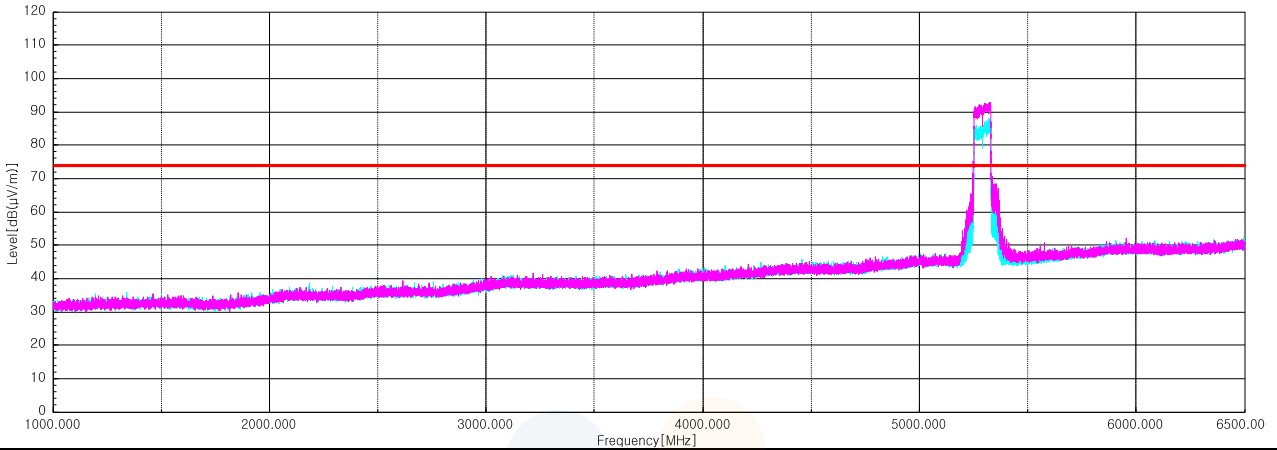


### Plot of Harmonics and Spurious Emissions

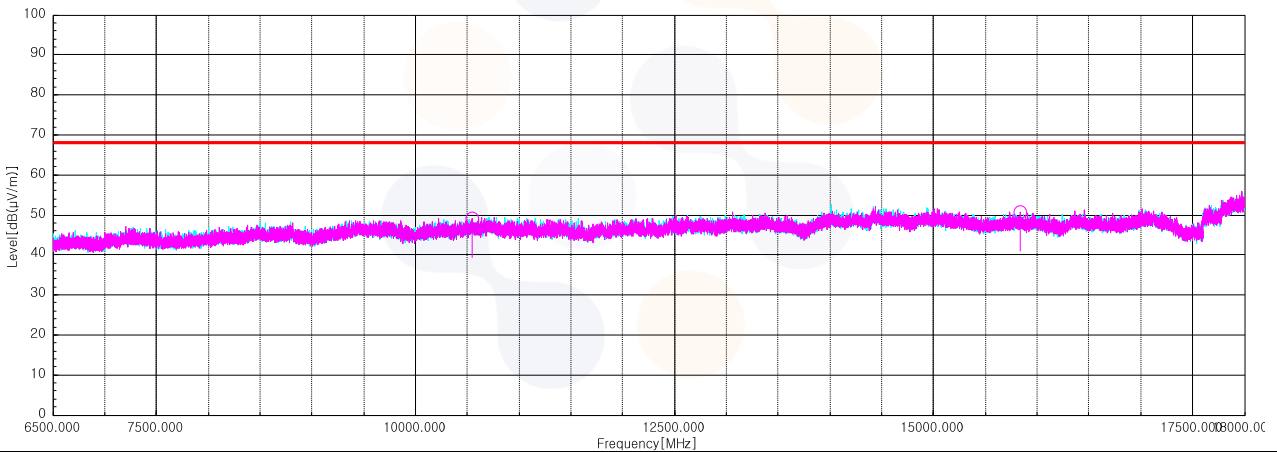
In order to simplify the report, attached plots were only the lowest margin condition

#### 802.11ac VHT80 UNII-2A\_1TX SISO\_ Middle Channel (5 290 MHz)

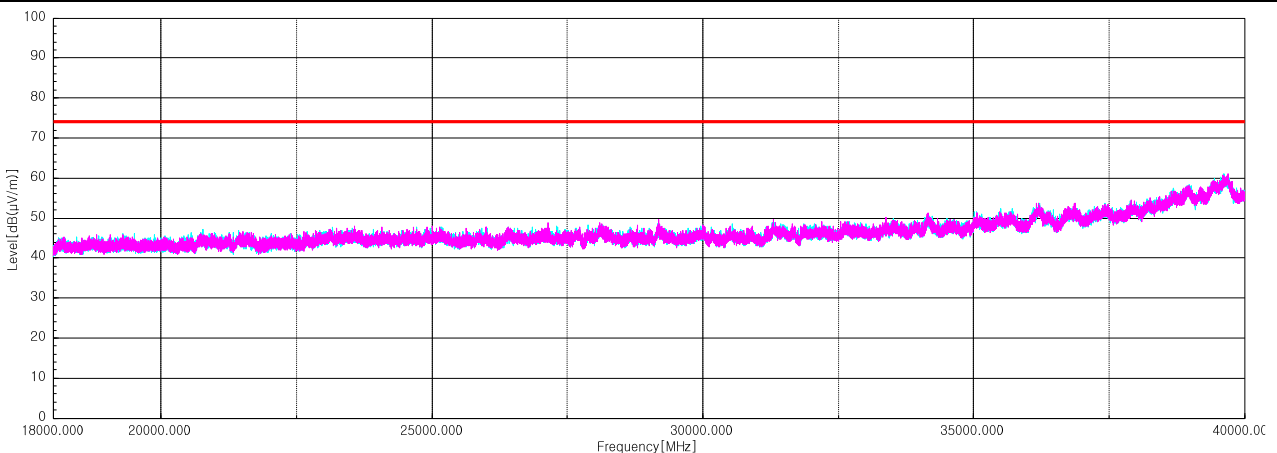
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz





## UNII-2C SISO

### 802.11a\_Lowest Channel (5 500 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ N/m))	(dB( $\mu$ N/m))	(dB)
<b>Peak data</b>								
5 459.37 <sup>1)</sup>	H	55.50	32.60	-27.13	-	60.97	74.00	13.03
11 024.87 <sup>1)</sup>	H	52.70	38.35	-41.93	-	49.12	74.00	24.88
16 534.90	V	50.50	38.40	-38.23	-	50.67	68.20	17.53
<b>Average Data</b>								
5 459.37 <sup>1)</sup>	H	40.72	32.60	-27.13	0.29	46.48	54.00	7.52

### 802.11a\_Middle Channel (5 600 MHz)

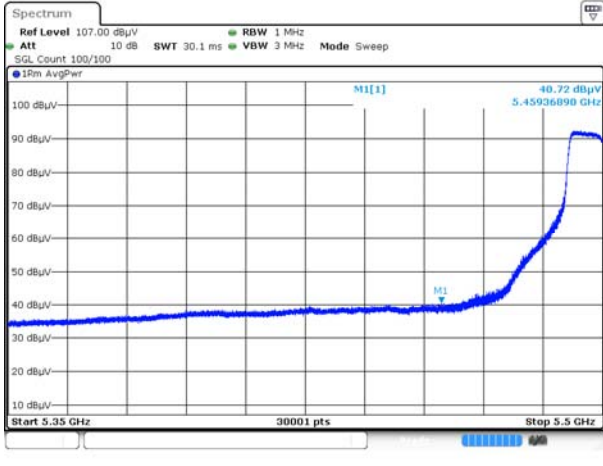
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ N/m))	(dB( $\mu$ N/m))	(dB)
<b>Peak data</b>								
11 220.37 <sup>1)</sup>	H	52.70	38.40	-42.05	-	49.05	74.00	24.95
16 854.98	V	50.00	38.09	-37.96	-	50.13	68.20	18.07
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

### 802.11a\_Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ N/m))	(dB( $\mu$ N/m))	(dB)
<b>Peak data</b>								
5 725.27	H	50.40	33.35	-26.61	-	57.14	68.20	11.06
11 338.43 <sup>1)</sup>	H	52.40	38.68	-42.12	-	48.96	74.00	25.04
17 102.62	H	50.40	38.00	-37.45	-	50.95	68.20	17.25
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

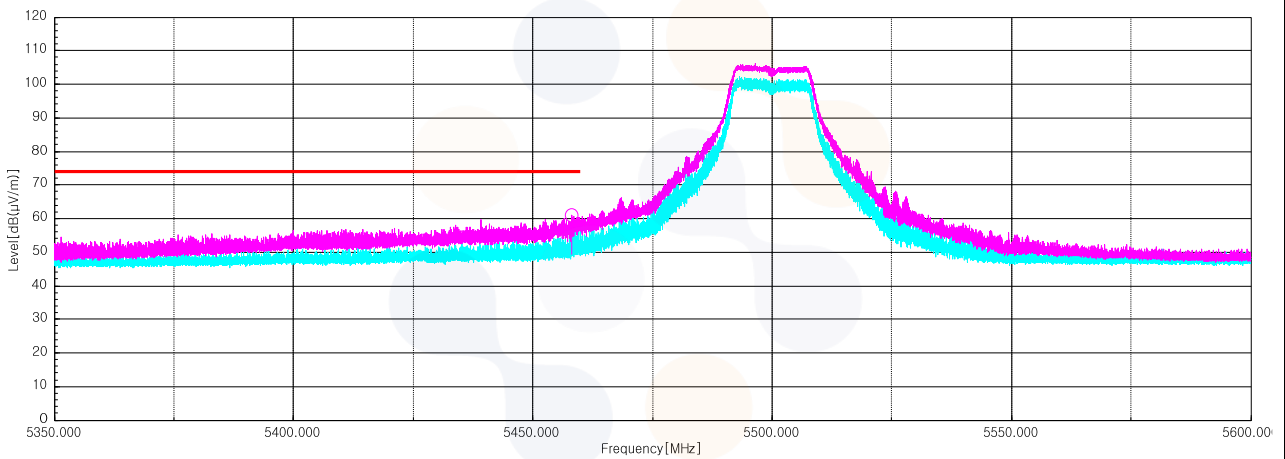
**802.11a\_Lowest Channel (5 500 MHz)**

**Average data**



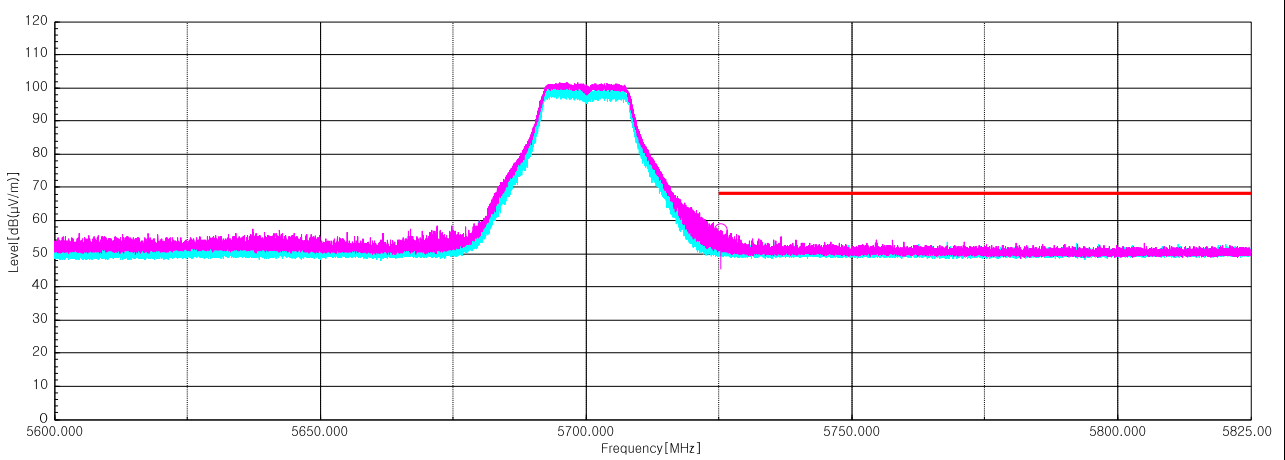
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 700 MHz)**

**Horizontal/Vertical for Band-edge**



**802.11n\_HT20\_Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 427.29 <sup>1)</sup>	H	54.60	32.60	-27.15	-	60.05	74.00	13.95
10 943.22 <sup>1)</sup>	H	52.90	38.51	-41.97	-	49.44	74.00	24.56
16 417.60	V	50.20	38.44	-38.30	-	50.34	68.20	17.86
<b>Average Data</b>								
5 427.29 <sup>1)</sup>	H	39.56	32.60	-27.15	0.31	45.32	54.00	8.68

**802.11n\_HT20\_Middle Channel (5 600 MHz)**

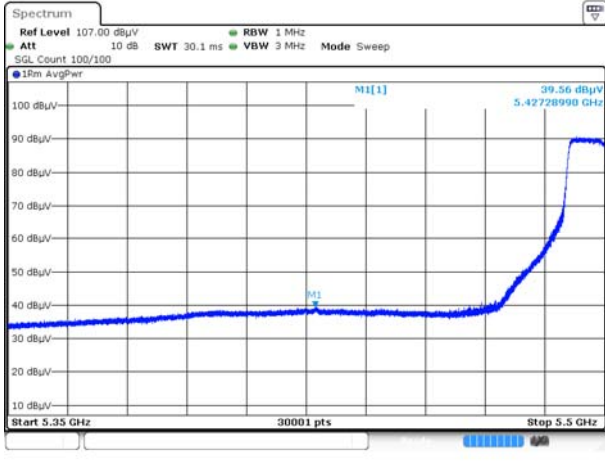
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
11 245.67 <sup>1)</sup>	V	52.20	38.40	-42.07	-	48.53	74.00	25.47
16 922.45	V	50.20	37.96	-37.80	-	50.36	68.20	17.84
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11n\_HT20\_Highest Channel (5 700 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 725.17	H	49.70	33.35	-26.61	-	56.44	68.20	11.76
11 399.00 <sup>1)</sup>	V	52.70	38.80	-42.15	-	49.35	74.00	24.65
17 098.40	H	50.80	38.10	-37.46	-	51.44	68.20	16.76
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

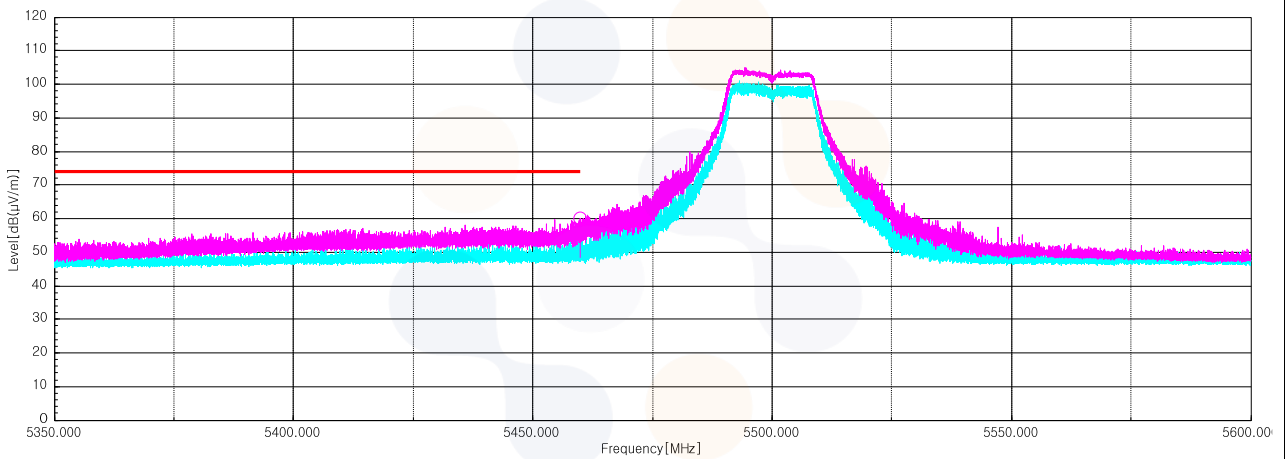
**802.11n\_HT20\_Lowest Channel (5 500 MHz)**

**Average data**



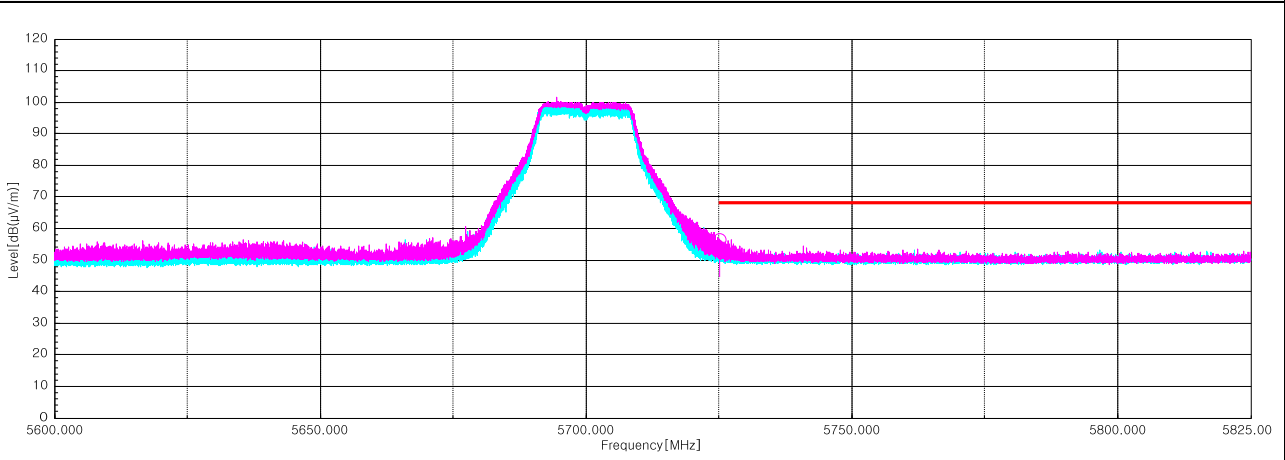
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 700 MHz)**

**Horizontal/Vertical for Band-edge**



**802.11n\_HT40\_Lowest Channel (5 510 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 460.00 <sup>1)</sup>	H	56.00	32.60	-27.13	-	61.47	74.00	12.53
11 079.68 <sup>1)</sup>	H	52.20	38.40	-41.97	-	48.63	74.00	25.37
16 597.00	H	49.90	38.40	-38.23	-	50.07	68.20	18.13
<b>Average Data</b>								
5 460.00 <sup>1)</sup>	H	40.91	32.60	-27.13	0.61	46.99	54.00	7.01

**802.11n\_HT40\_Middle Channel (5 590 MHz)**

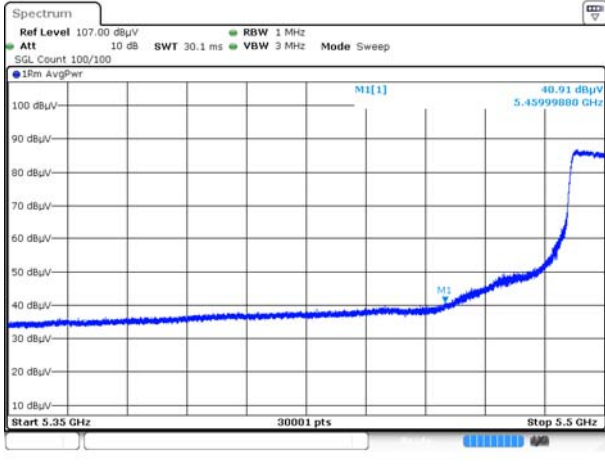
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 298.57 <sup>1)</sup>	V	52.00	38.60	-42.10	-	48.50	74.00	25.50
16 951.97	V	50.80	37.90	-37.73	-	50.97	68.20	17.23
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11n\_HT40\_Highest Channel (5 670 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 725.08	H	53.30	33.35	-26.61	-	60.04	68.20	8.16
11 294.35 <sup>1)</sup>	H	53.10	38.59	-42.09	-	49.60	74.00	24.40
17 057.00	H	50.80	38.01	-37.52	-	51.29	68.20	16.91
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

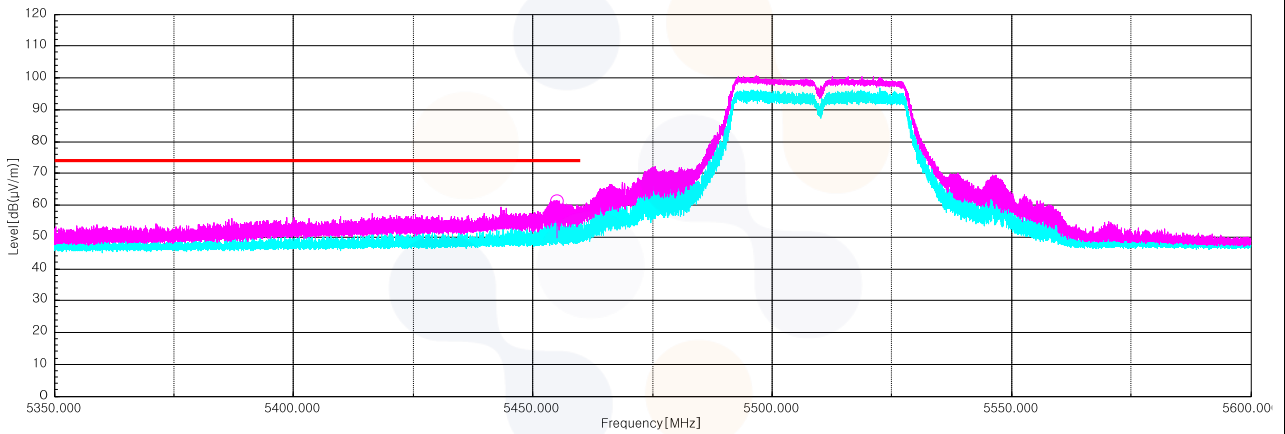
**802.11n\_HT40\_Lowest Channel (5 510 MHz)**

**Average data**



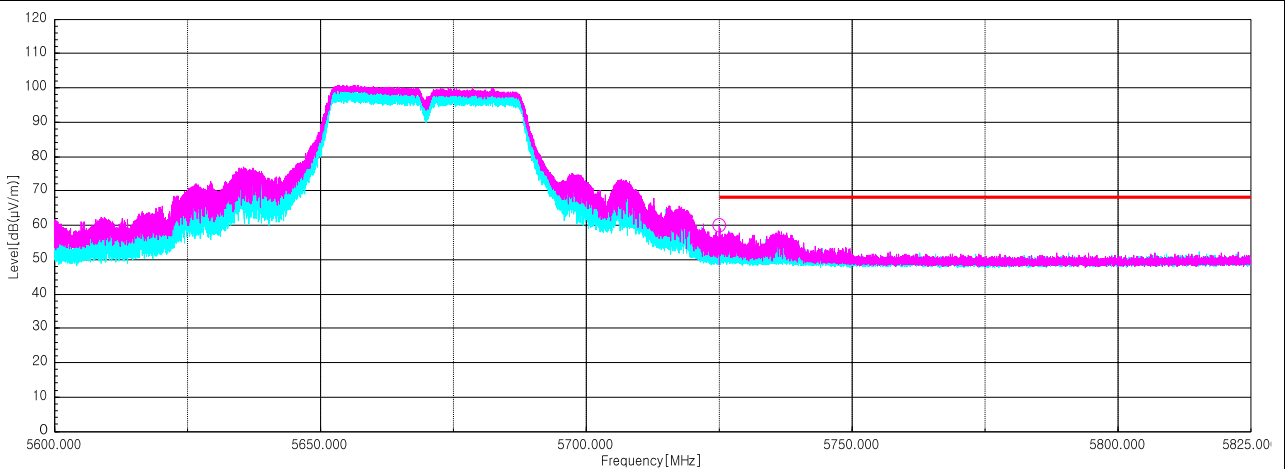
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 670 MHz)**

**Horizontal/Vertical for Band-edge**



**802.11ac\_VHT20\_Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 427.43 <sup>1)</sup>	H	55.70	32.60	-27.15	-	61.15	74.00	12.85
11 046.72 <sup>1)</sup>	H	53.00	38.31	-41.95	-	49.36	74.00	24.64
16 451.72	V	50.70	38.40	-38.27	-	50.83	68.20	17.37
<b>Average Data</b>								
5 427.43 <sup>1)</sup>	H	39.59	32.60	-27.15	0.31	45.35	54.00	8.65

**802.11ac\_VHT20\_Middle Channel (5 600 MHz)**

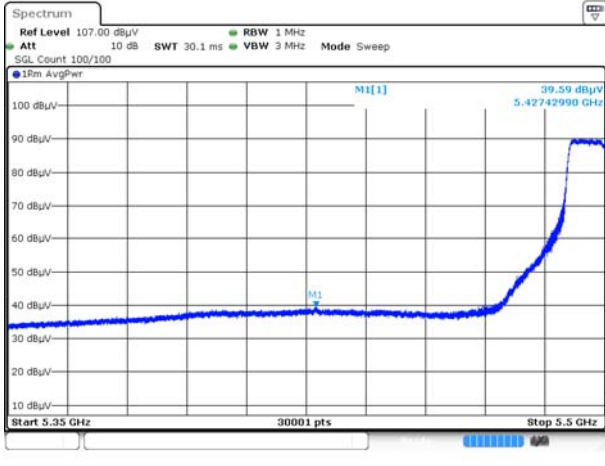
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
11 185.87 <sup>1)</sup>	V	52.70	38.40	-42.03	-	49.07	74.00	24.93
16 765.67	V	50.80	38.30	-38.18	-	50.92	68.20	17.28
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac\_VHT20\_Highest Channel (5 700 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 727.24	H	51.80	33.36	-26.61	-	58.55	68.20	9.65
11 404.75 <sup>1)</sup>	V	52.90	38.70	-42.15	-	49.45	74.00	24.55
17 108.75	V	52.00	38.00	-37.44	-	52.56	68.20	15.64
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

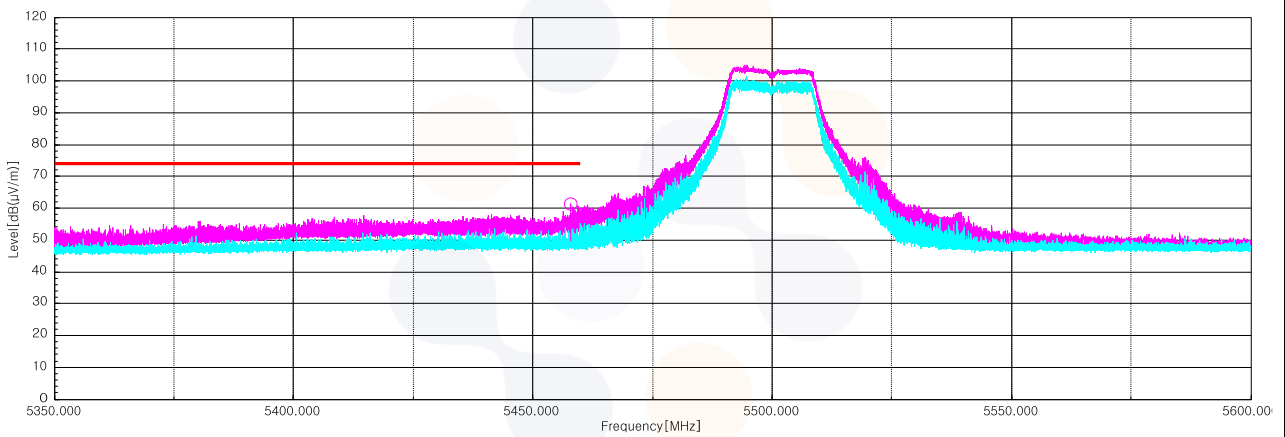
**802.11ac\_VHT20\_Lowest Channel (5 500 MHz)**

**Average data**



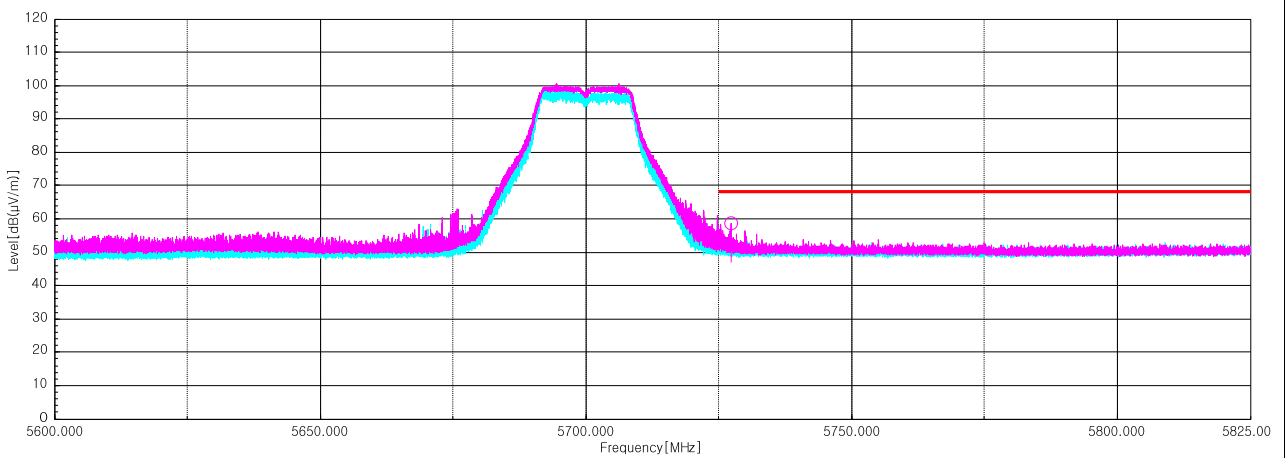
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 700 MHz)**

**Horizontal/Vertical for Band-edge**





**802.11ac\_VHT40\_Lowest Channel (5 510 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 459.73 <sup>1)</sup>	H	53.80	32.60	-27.13	-	59.27	74.00	14.73
11 096.93 <sup>1)</sup>	H	52.50	38.40	-41.98	-	48.92	74.00	25.08
16 590.10	H	51.00	38.40	-38.23	-	51.17	68.20	17.03
<b>Average Data</b>								
5 459.73 <sup>1)</sup>	H	40.35	32.60	-27.13	0.65	46.47	54.00	7.53

**802.11ac\_VHT40\_Middle Channel (5 590 MHz)**

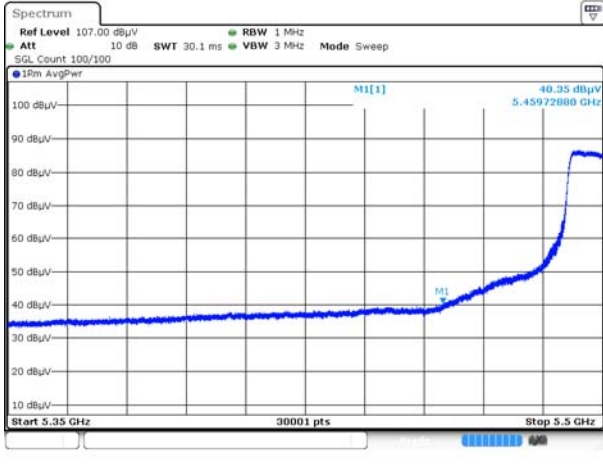
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 221.13 <sup>1)</sup>	H	52.50	38.40	-42.05	-	48.85	74.00	25.15
16 777.55	V	51.00	38.30	-38.15	-	51.15	68.20	17.05
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac\_VHT40\_Highest Channel (5 670 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 728.39	H	52.10	33.37	-26.61	-	58.86	68.20	9.34
11 251.03 <sup>1)</sup>	H	52.30	38.50	-42.07	-	48.73	74.00	25.27
16 995.28	V	51.20	37.81	-37.62	-	51.39	68.20	16.81
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

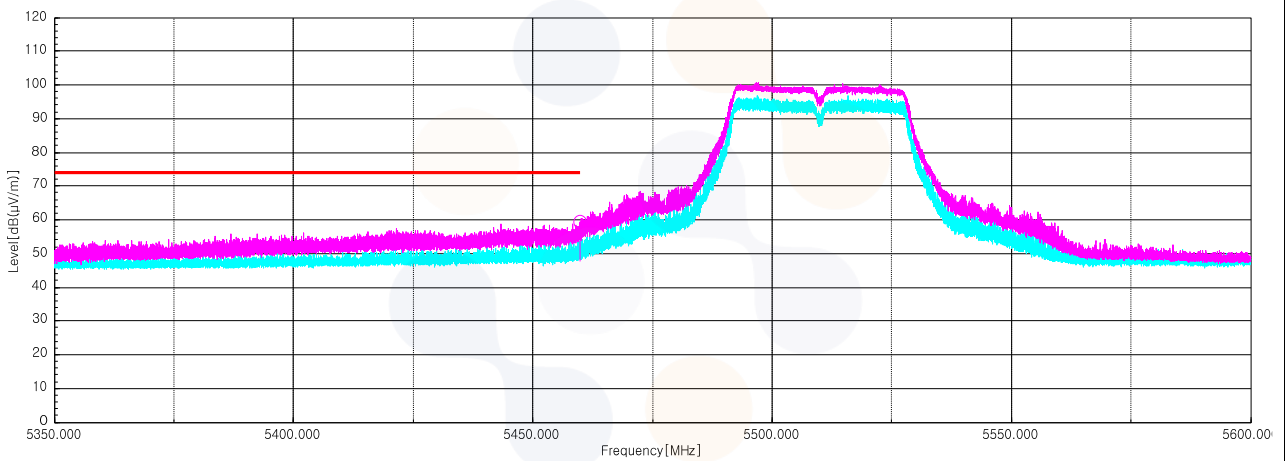
**802.11ac\_VHT40\_Lowest Channel (5 510 MHz)**

**Average data**



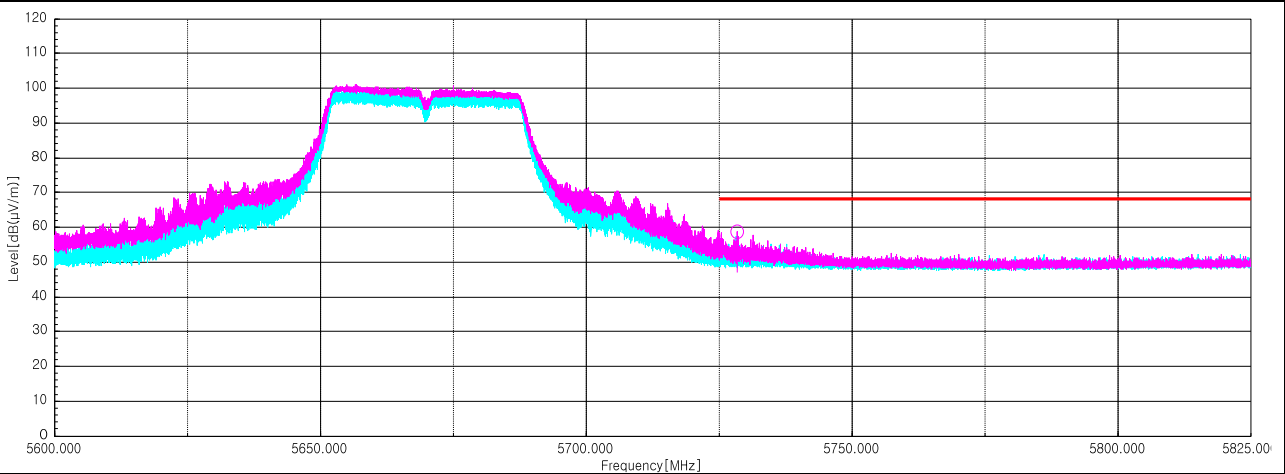
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 670 MHz)**

**Horizontal/Vertical for Band-edge**



**802.11ac\_VHT80\_Lowest Channel (5 530 MHz)**

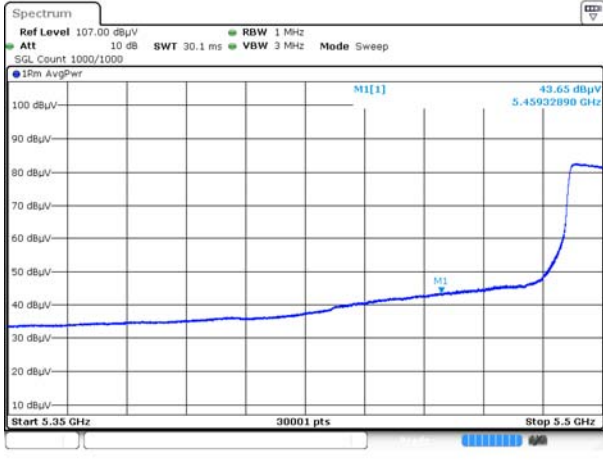
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 459.33 <sup>1)</sup>	H	64.10	32.60	-27.13	-	69.57	74.00	4.43
11 098.47 <sup>1)</sup>	H	52.40	38.40	-41.98	-	48.82	74.00	25.18
16 595.47	V	50.20	38.40	-38.23	-	50.37	68.20	17.83
<b>Average Data</b>								
5 459.33 <sup>1)</sup>	H	43.65	32.60	-27.13	1.14	50.26	54.00	3.74

**802.11ac\_VHT80\_Highest Channel (5 610 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 791.51	H	45.60	33.57	-26.48	-	52.69	68.20	15.51
11 135.27 <sup>1)</sup>	V	53.10	38.40	-42.00	-	49.50	74.00	24.50
16 877.22	V	50.20	38.05	-37.91	-	50.34	68.20	17.86
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

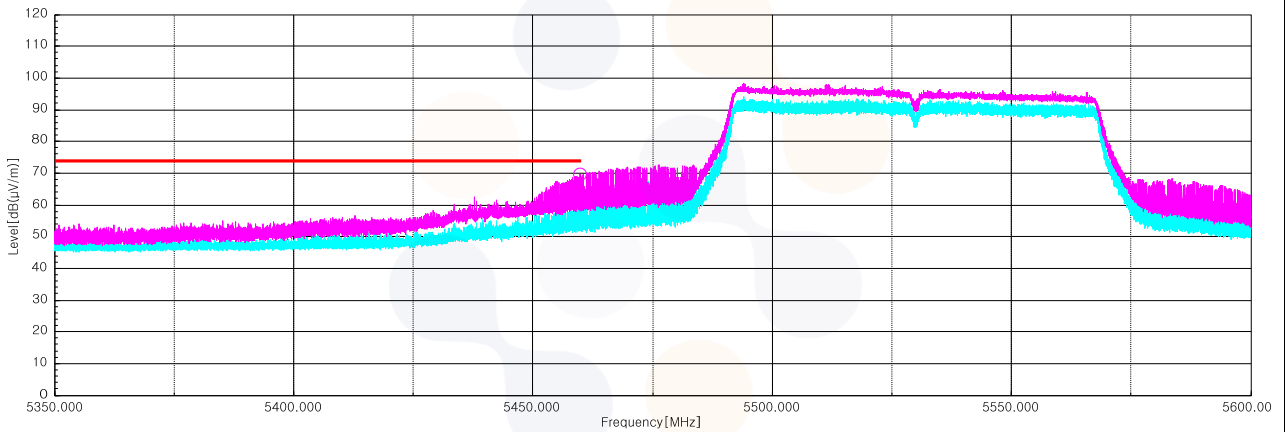
**802.11ac\_VHT80\_Lowest Channel (5 530 MHz)**

**Average data**



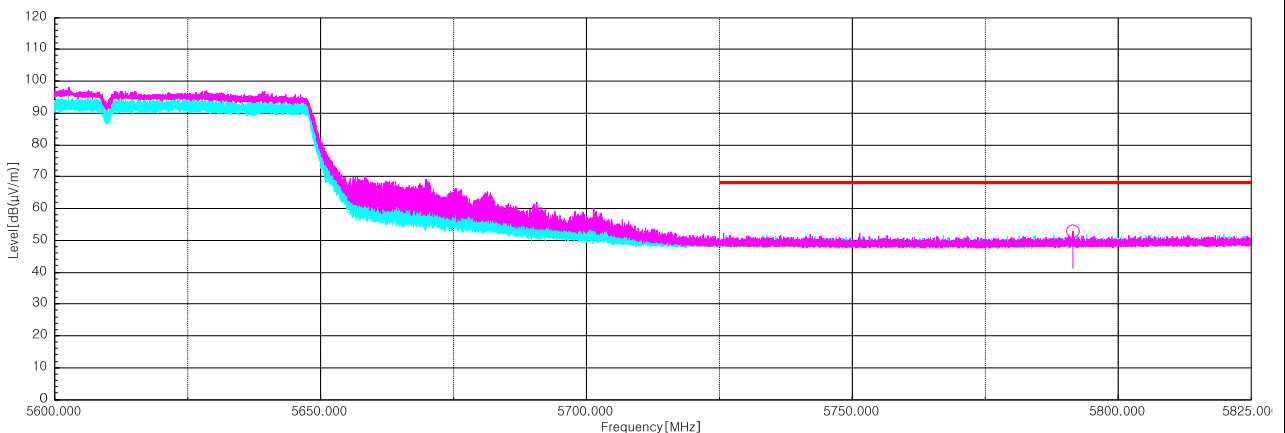
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 610MHz)**

**Horizontal/Vertical for Band-edge**



## UNII-2C 2TX MIMO

### 802.11a\_Lowest Channel (5 500 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 458.47 <sup>1)</sup>	H	57.70	32.60	-27.13	-	63.17	74.00	10.83
11 057.07 <sup>1)</sup>	V	52.10	38.40	-41.95	-	48.55	74.00	25.45
16 461.30	H	51.10	38.40	-38.26	-	51.24	68.20	16.96
<b>Average Data</b>								
5 458.47 <sup>1)</sup>	H	41.04	32.60	-27.13	0.27	46.78	54.00	7.22

### 802.11a\_Middle Channel (5 600 MHz)

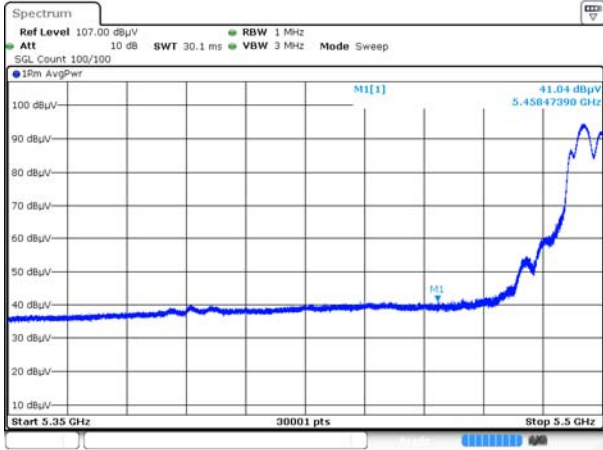
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 288.22 <sup>1)</sup>	V	52.20	38.58	-42.09	-	48.69	74.00	25.31
16 843.87	H	51.40	38.11	-37.99	-	51.52	68.20	16.68
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

### 802.11a\_Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 725.13	H	52.50	33.35	-26.61	-	59.24	68.20	8.96
11 456.12 <sup>1)</sup>	V	52.50	38.70	-42.18	-	49.02	74.00	24.98
16 991.07	V	51.90	37.82	-37.63	-	52.09	68.20	16.11
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

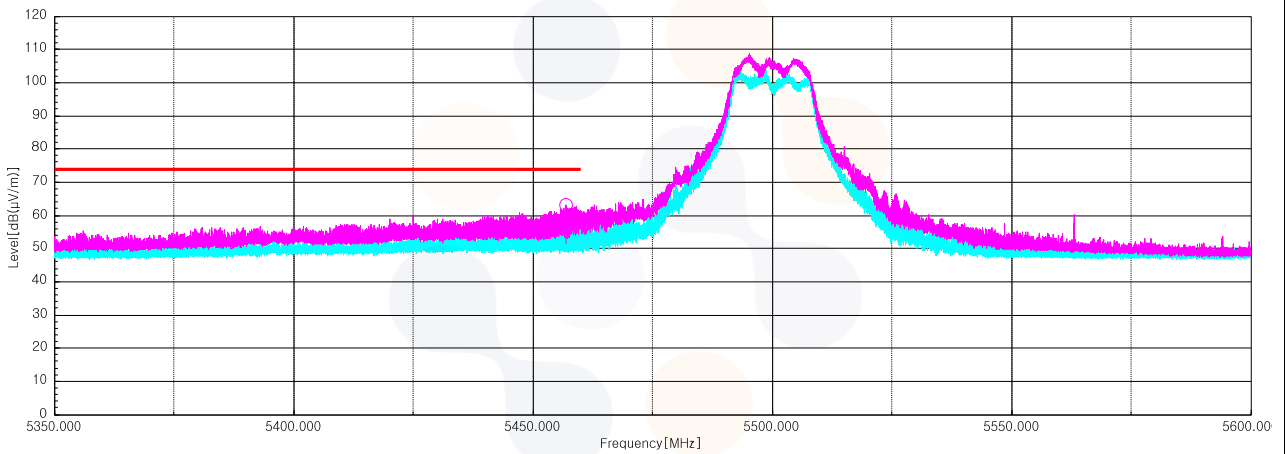
**802.11a\_Lowest Channel (5 500 MHz)**

**Average data**



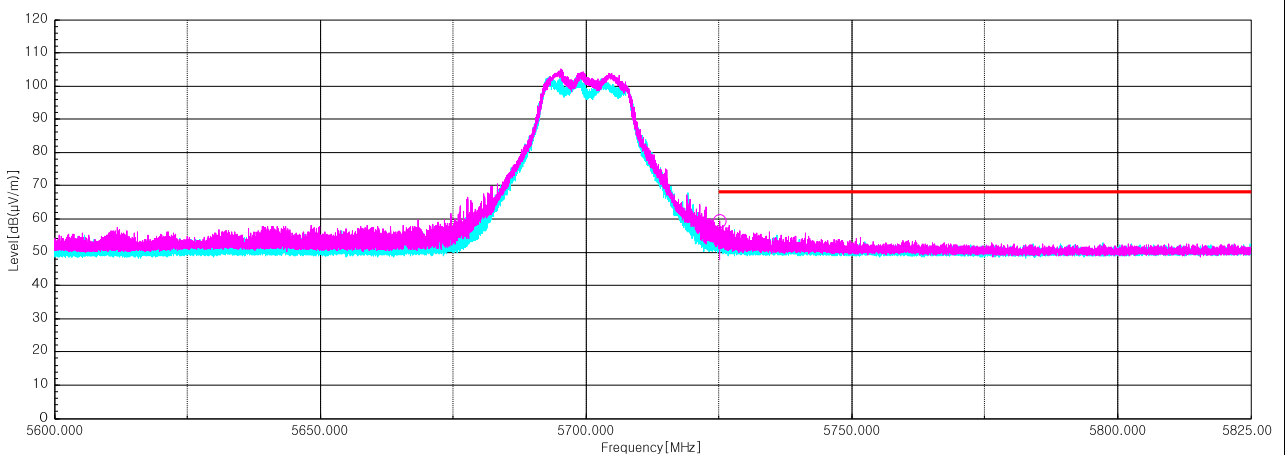
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 700 MHz)**

**Horizontal/Vertical for Band-edge**



**802.11n HT20\_Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 444.30 <sup>1)</sup>	H	56.80	32.60	-27.14	-	62.26	74.00	11.74
11 006.85 <sup>1)</sup>	H	52.90	38.39	-41.92	-	49.37	74.00	24.63
16 605.43	V	50.30	38.40	-38.23	-	50.47	68.20	17.73
<b>Average Data</b>								
5 444.30 <sup>1)</sup>	H	40.71	32.60	-27.14	0.58	46.75	54.00	7.25

**802.11n HT20\_Middle Channel (5 600 MHz)**

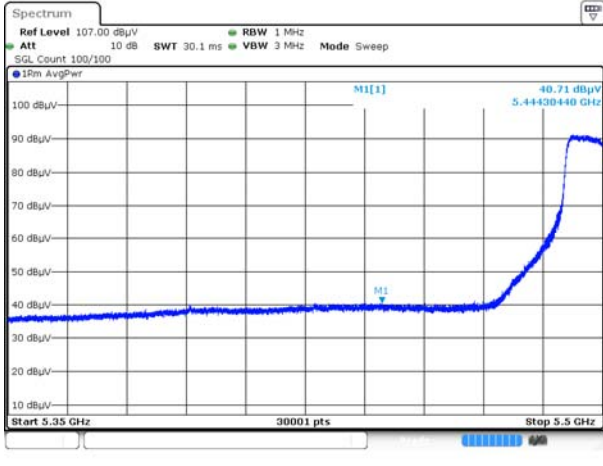
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
11 300.48 <sup>1)</sup>	V	52.80	38.60	-42.10	-	49.30	74.00	24.70
16 869.55	V	50.70	38.06	-37.93	-	50.83	68.20	17.37
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11n HT20\_Highest Channel (5 700 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 725.51	H	50.90	33.35	-26.61	-	57.64	68.20	10.56
11 421.62 <sup>1)</sup>	H	52.10	38.70	-42.16	-	48.64	74.00	25.36
17 152.45	V	51.00	37.90	-37.37	-	51.53	68.20	16.67
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

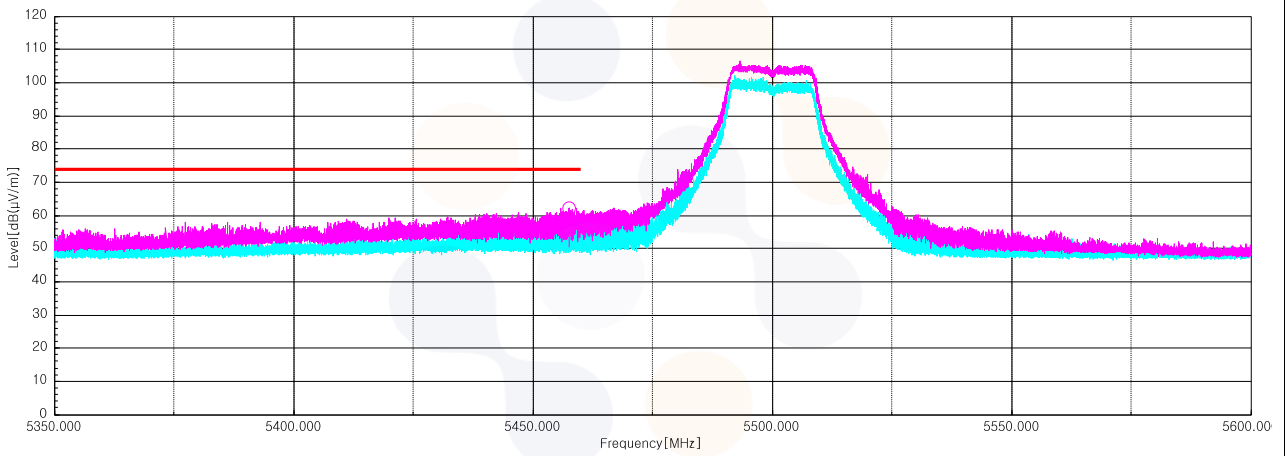
**802.11n HT20\_Lowest Channel (5 500 MHz)**

**Average data**



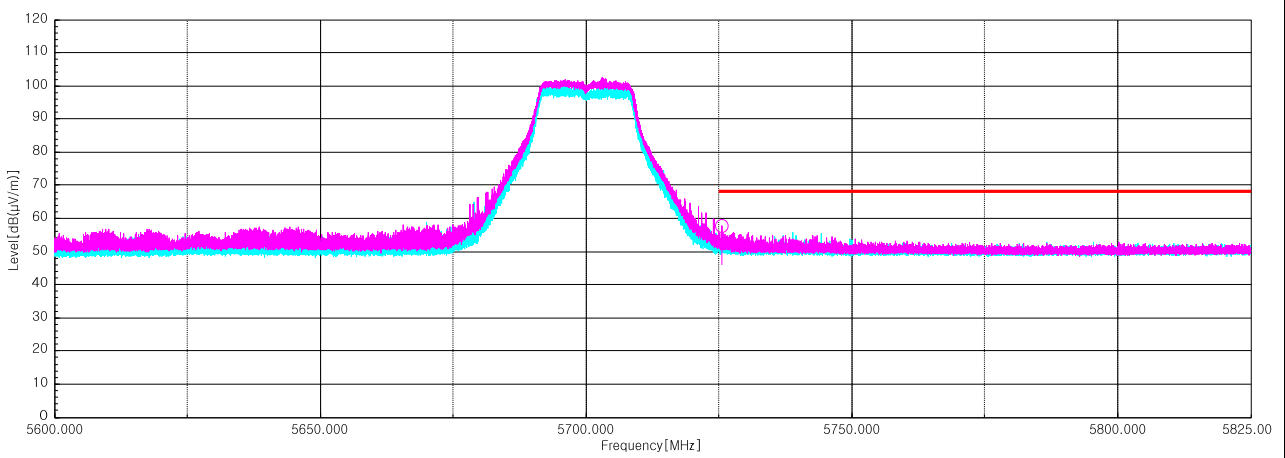
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 700 MHz)**

**Horizontal/Vertical for Band-edge**





**802.11n HT40\_Lowest Channel (5 510 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 459.91 <sup>1)</sup>	H	58.60	32.60	-27.13	-	64.07	74.00	9.93
10 982.32 <sup>1)</sup>	H	51.80	38.44	-41.94	-	48.30	74.00	25.70
16 467.43	H	50.70	38.40	-38.26	-	50.84	68.20	17.36
<b>Average Data</b>								
5 459.91 <sup>1)</sup>	H	42.84	32.60	-27.13	1.07	49.38	54.00	4.62

**802.11n HT40\_Middle Channel (5 590 MHz)**

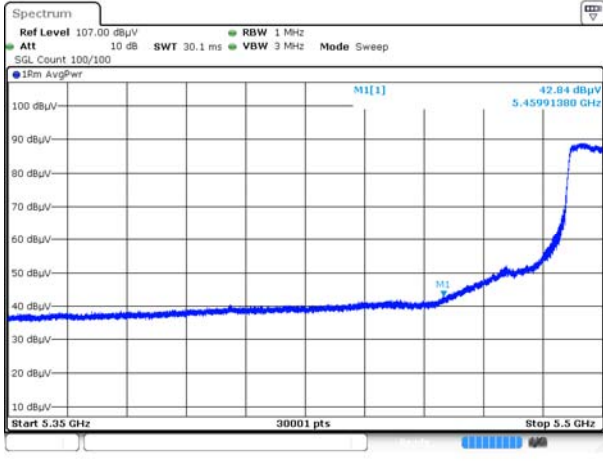
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 125.30 <sup>1)</sup>	V	51.60	38.40	-42.00	-	48.00	74.00	26.00
16 722.73	V	49.90	38.25	-38.22	-	49.93	68.20	18.27
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11n HT40\_Highest Channel (5 670 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 725.54	H	49.90	33.35	-26.61	-	56.64	68.20	11.56
11 386.35 <sup>1)</sup>	H	52.90	38.77	-42.14	-	49.53	74.00	24.47
17 080.77	H	50.30	38.06	-37.48	-	50.88	68.20	17.32
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

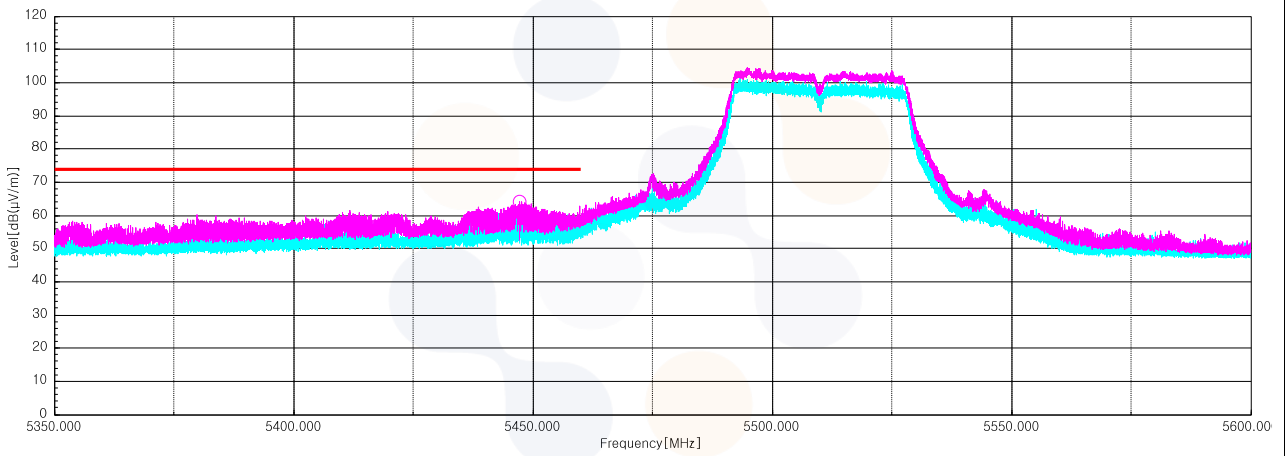
**802.11n HT40\_Lowest Channel (5 510 MHz)**

**Average data**



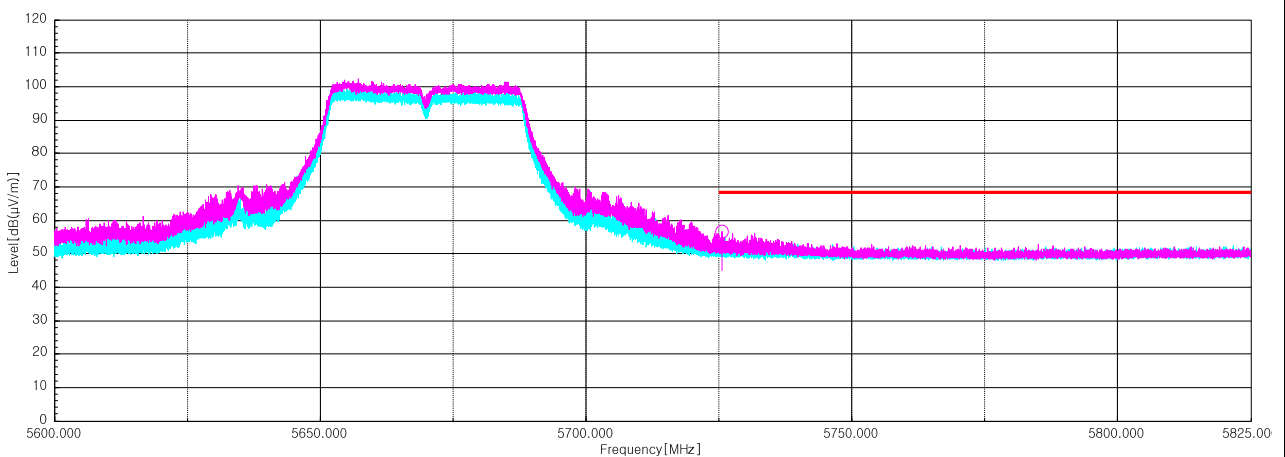
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 670 MHz)**

**Horizontal/Vertical for Band-edge**



**802.11ac VHT20\_Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 444.49 <sup>1)</sup>	H	55.10	32.60	-27.14	-	60.56	74.00	13.44
11 072.40 <sup>1)</sup>	V	51.90	38.40	-41.96	-	48.34	74.00	25.66
16 422.20	V	50.20	38.44	-38.30	-	50.34	68.20	17.86
<b>Average Data</b>								
5 444.49 <sup>1)</sup>	H	40.64	32.60	-27.14	0.58	46.68	54.00	7.32

**802.11ac VHT20\_Middle Channel (5 600 MHz)**

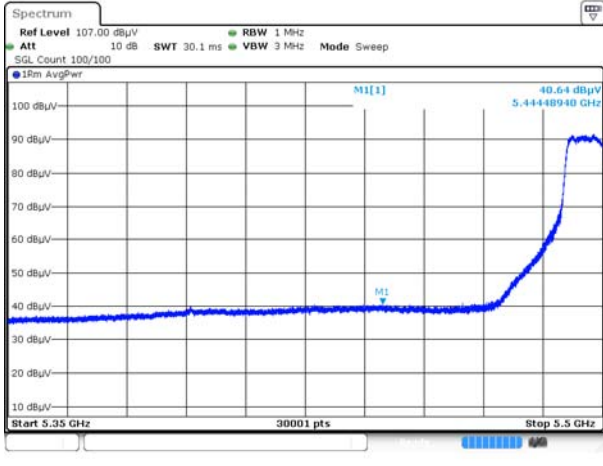
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
11 182.03 <sup>1)</sup>	V	51.60	38.40	-42.03	-	47.97	74.00	26.03
16 888.33	H	50.60	38.02	-37.88	-	50.74	68.20	17.46
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac VHT20\_Highest Channel (5 700 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 726.00	H	49.60	33.36	-26.61	-	56.35	68.20	11.85
11 396.32 <sup>1)</sup>	V	51.60	38.79	-42.15	-	48.24	74.00	25.76
17 123.70	V	50.90	38.00	-37.42	-	51.48	68.20	16.72
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

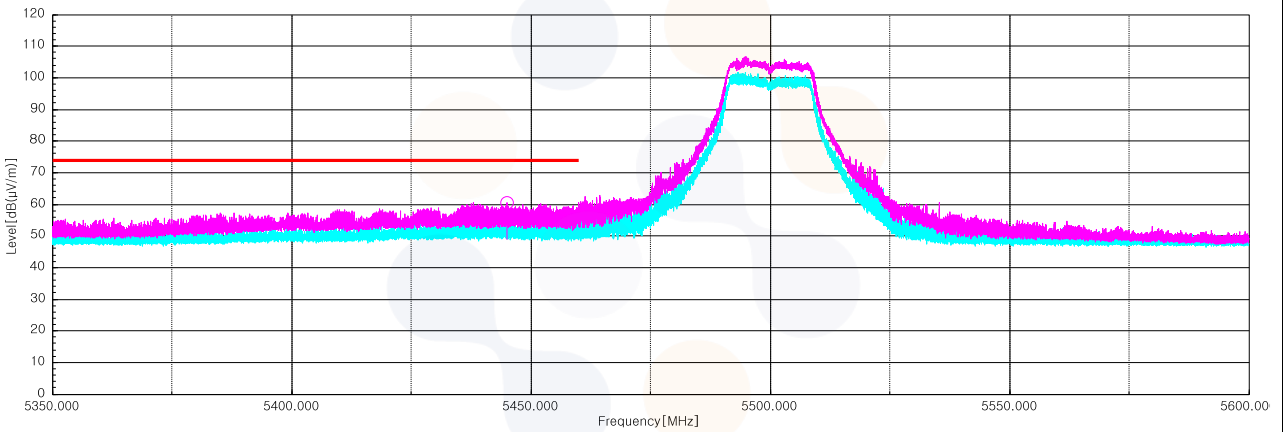
**802.11ac VHT20\_Lowest Channel (5 500 MHz)**

**Average data**



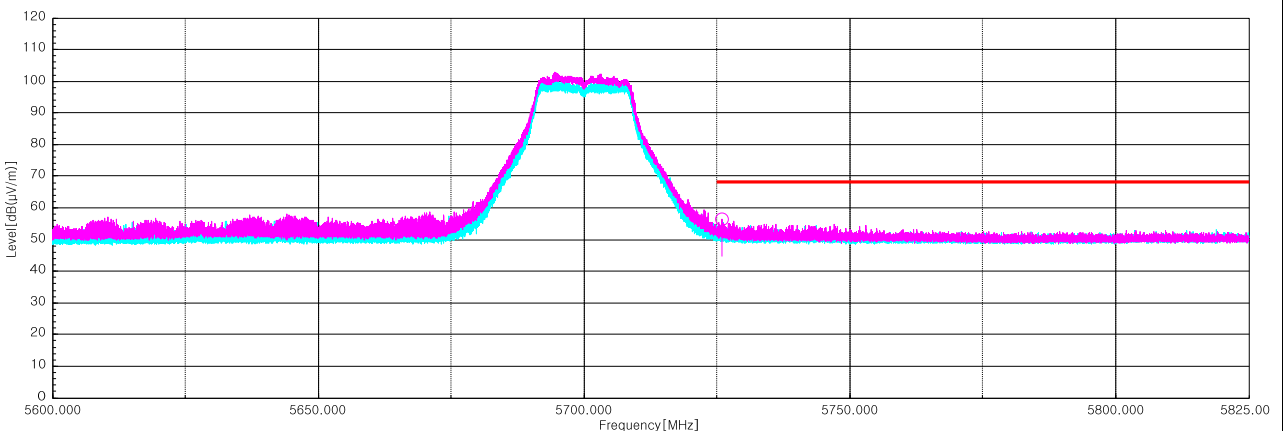
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 700 MHz)**

**Horizontal/Vertical for Band-edge**



**802.11ac VHT40\_Lowest Channel (5 510 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 459.99 <sup>1)</sup>	H	57.40	32.60	-27.13	-	62.87	74.00	11.13
11 103.45 <sup>1)</sup>	H	53.00	38.40	-41.98	-	49.42	74.00	24.58
16 446.35	V	51.00	38.49	-38.28	-	51.21	68.20	16.99
<b>Average Data</b>								
5 459.99 <sup>1)</sup>	H	42.41	32.60	-27.13	0.97	48.85	54.00	5.15

**802.11ac VHT40\_Middle Channel (5 590 MHz)**

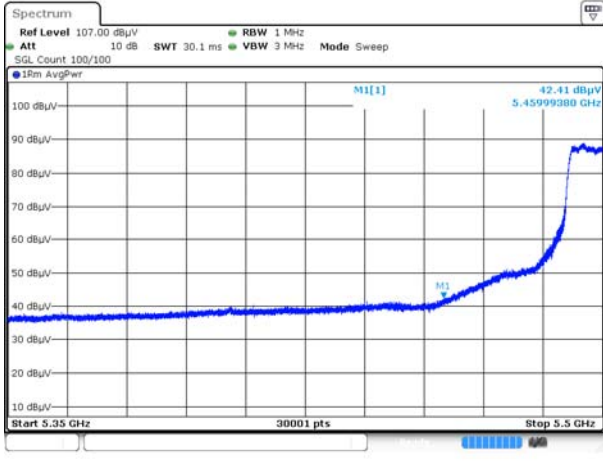
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 115.33 <sup>1)</sup>	H	52.20	38.40	-41.99	-	48.61	74.00	25.39
16 735.38	V	51.70	38.23	-38.22	-	51.71	68.20	16.49
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac VHT40\_Highest Channel (5 670 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 726.52	H	49.00	33.36	-26.61	-	55.75	68.20	12.45
11 399.77 <sup>1)</sup>	V	52.80	38.80	-42.15	-	49.45	74.00	24.55
16 997.58	H	50.30	37.80	-37.62	-	50.48	68.20	17.72
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

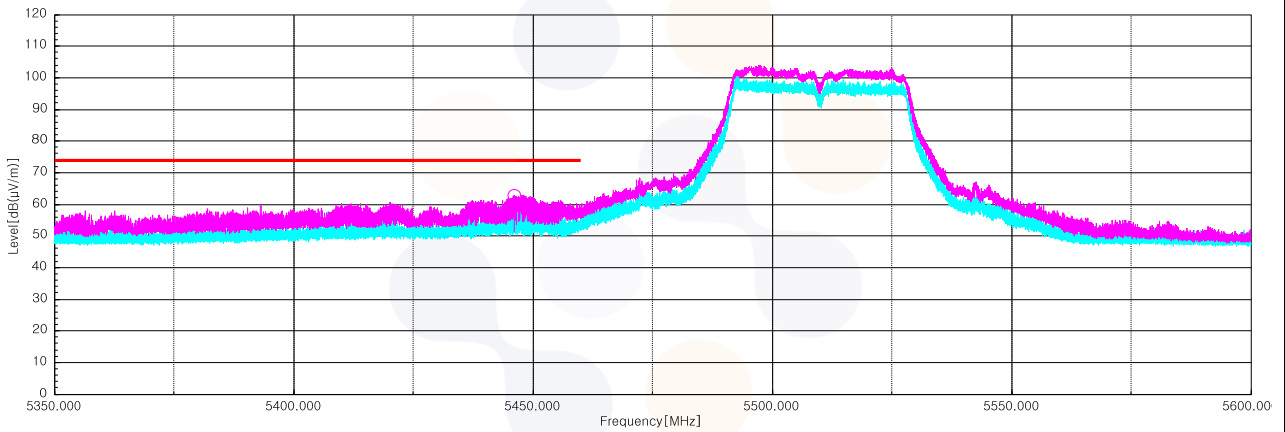
**802.11ac VHT40\_Lowest Channel (5 510 MHz)**

**Average data**



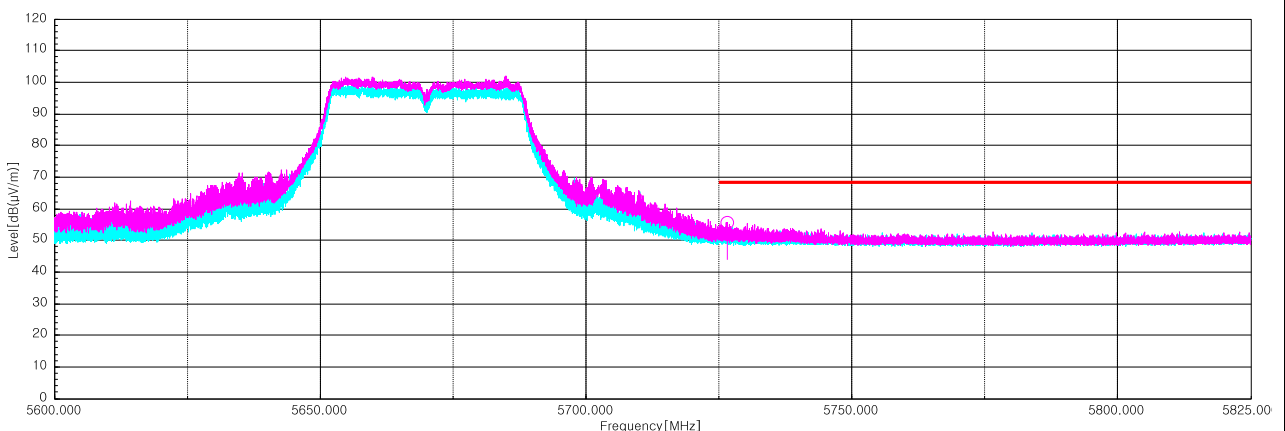
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 670 MHz)**

**Horizontal/Vertical for Band-edge**



**802.11ac VHT80\_Lowest Channel (5 530 MHz)**

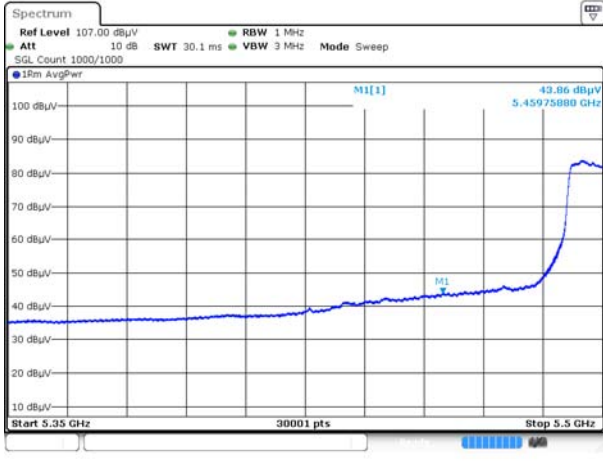
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 459.76 <sup>1)</sup>	H	59.80	32.60	-27.13	-	65.27	74.00	8.73
11 098.47 <sup>1)</sup>	H	52.20	38.40	-41.98	-	48.62	74.00	25.38
16 556.75	H	50.30	38.40	-38.23	-	50.47	68.20	17.73
<b>Average Data</b>								
5 459.76 <sup>1)</sup>	H	43.86	32.60	-27.13	1.82	51.15	54.00	2.85

**802.11ac VHT80\_Highest Channel (5 610 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 812.99	V	45.30	33.65	-26.44	-	52.51	68.20	15.69
11 269.82 <sup>1)</sup>	V	52.10	38.54	-42.08	-	48.56	74.00	25.44
16 787.90	H	49.40	38.30	-38.13	-	49.57	68.20	18.63
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

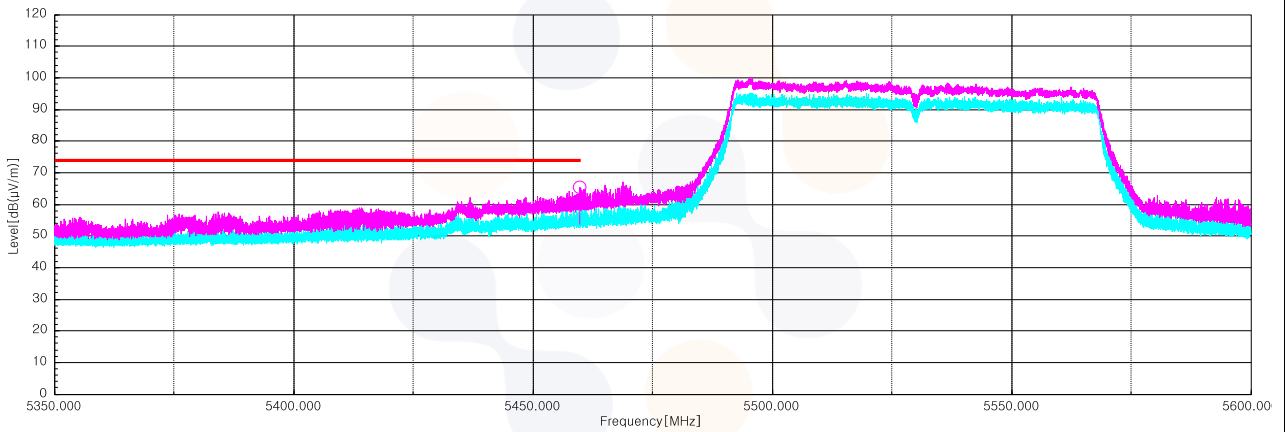
**802.11ac VHT80\_Lowest Channel (5 530 MHz)**

**Average data**



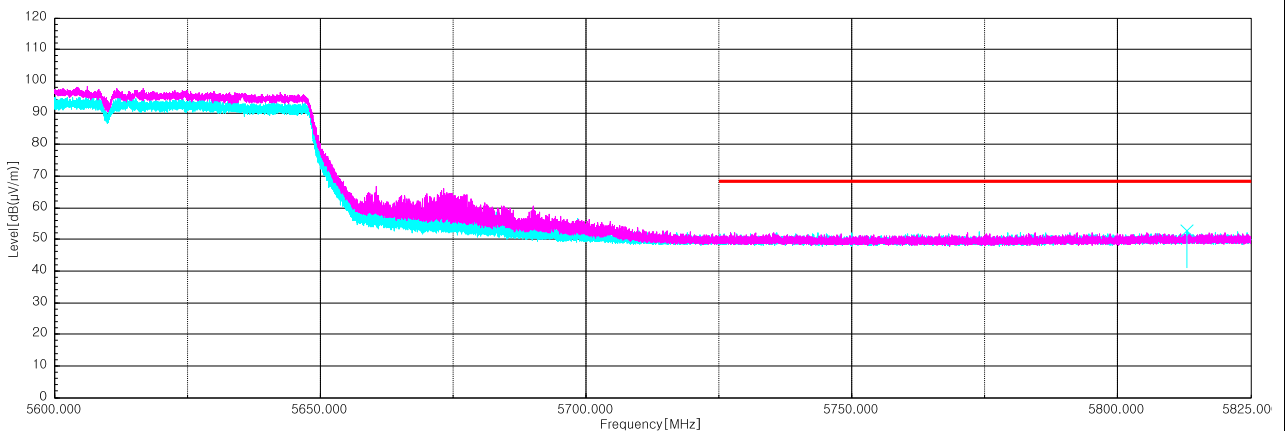
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**Horizontal/Vertical for Band-edge**



**Highest Channel (5 610MHz)**

**Horizontal/Vertical for Band-edge**



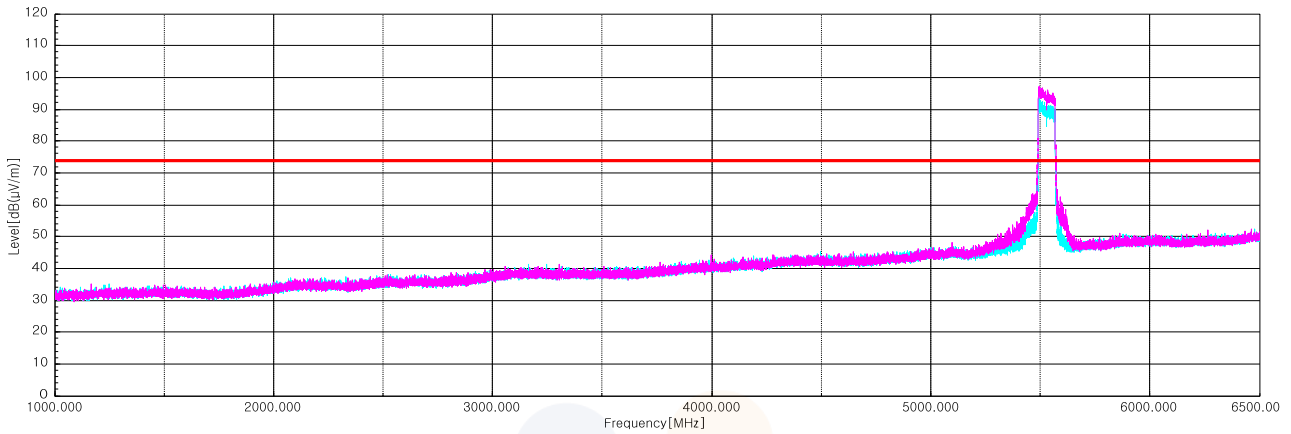


### Plot of Harmonics and Spurious Emissions

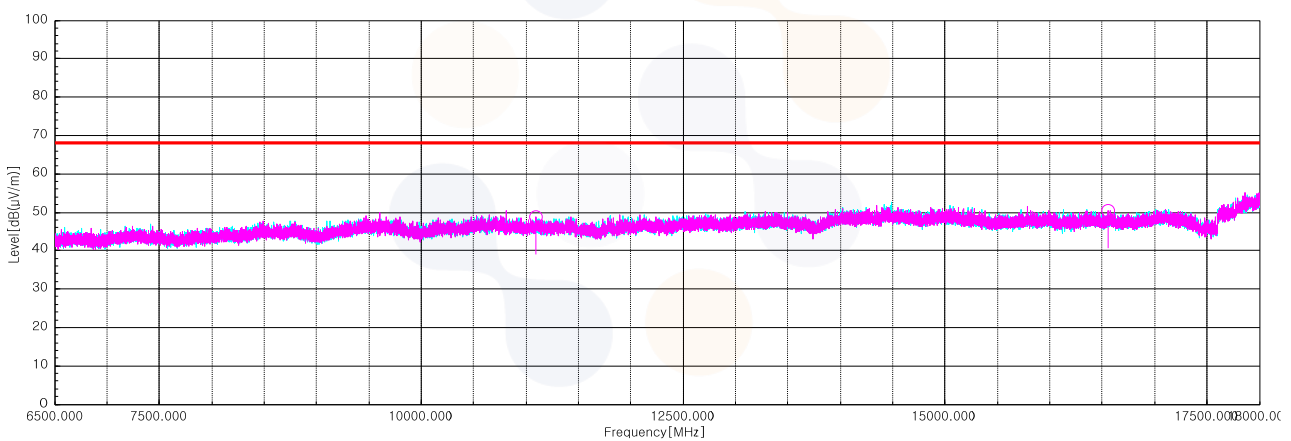
In order to simplify the report, attached plots were only the lowest margin condition

#### 802.11ac VHT80\_UNII-2C\_2TX MIMO\_ Low Channel (5 530 MHz)

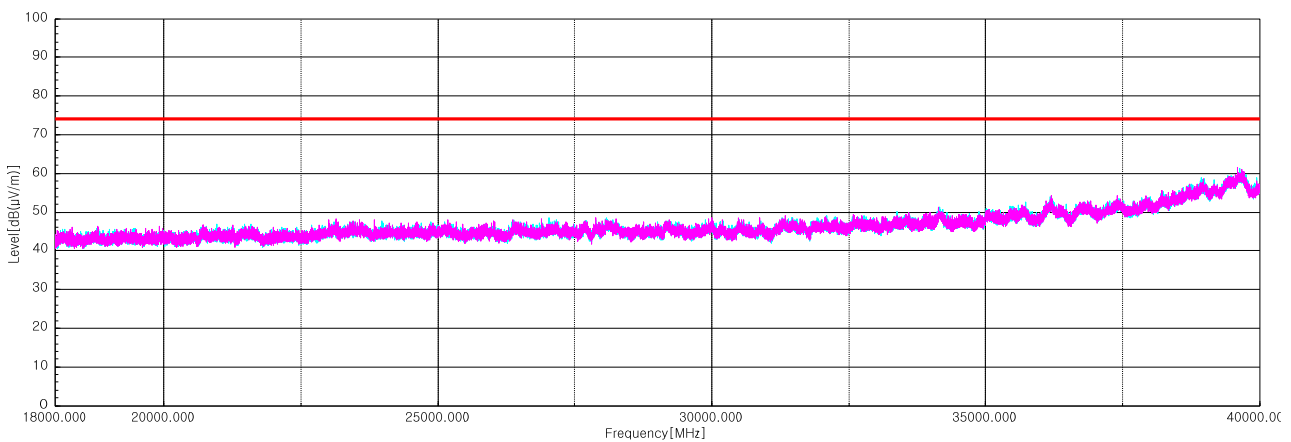
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



### Straddle Channel SISO

#### 802.11a (5 720 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 405.52 <sup>1)</sup>	H	52.60	38.70	-42.15	-	49.15	74.00	24.85
17 121.02	H	50.20	38.00	-37.42	-	50.78	68.20	17.42
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

#### 802.11n HT20 (5 720 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 400.53 <sup>1)</sup>	H	52.10	38.70	-42.15	-	48.65	74.00	25.35
17 135.20	H	51.60	38.00	-37.40	-	52.20	68.20	16.00
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

#### 802.11n HT40 (5 710 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 394.40 <sup>1)</sup>	H	52.60	38.79	-42.15	-	49.24	74.00	24.76
17 107.98	V	50.60	38.00	-37.44	-	51.16	68.20	17.04
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

#### 802.11ac VHT20 (5 720 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 419.70 <sup>1)</sup>	H	52.60	38.70	-42.16	-	49.14	74.00	24.86
17 230.65	H	50.40	38.22	-37.25	-	51.37	68.20	16.83
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac VHT40 (5 710 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
11 425.83 <sup>1)</sup>	H	52.40	38.70	-42.16	-	48.94	74.00	25.06
17 127.92	H	51.20	38.00	-37.41	-	51.79	68.20	16.41
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac VHT80 (5 690 MHz)**

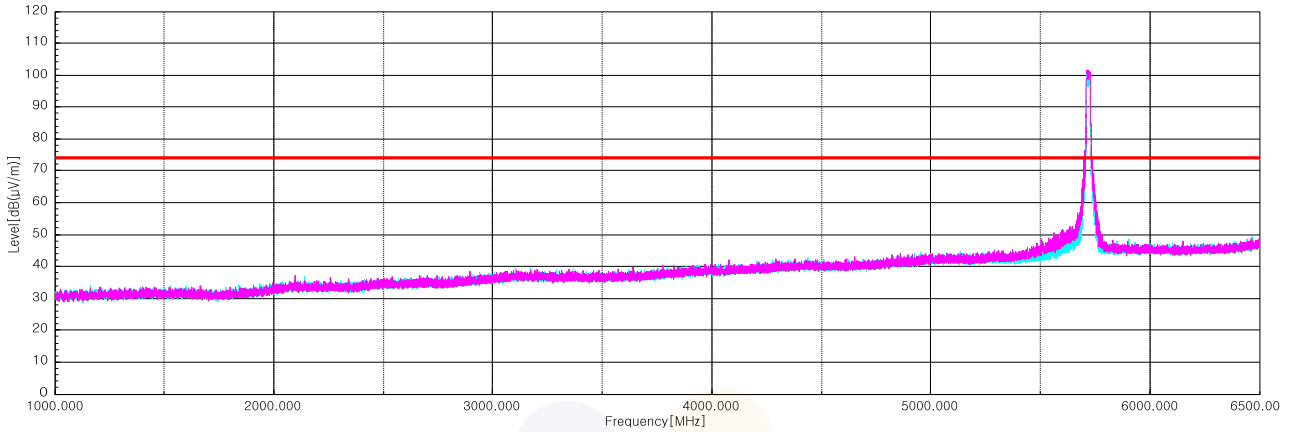
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
11 402.83 <sup>1)</sup>	V	52.70	38.70	-42.15	-	49.25	74.00	24.75
17 034.38	H	51.10	37.90	-37.56	-	51.44	68.20	16.76
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

### Plot of Harmonics and Spurious Emissions

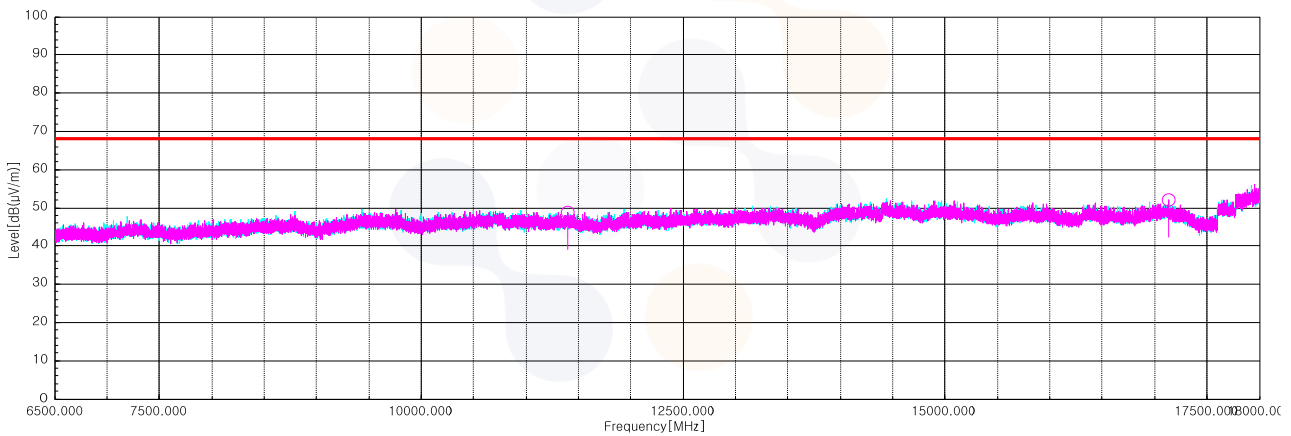
In order to simplify the report, attached plots were only the lowest margin condition

#### 802.11n HT20\_Straddle Channel (5 720 MHz)

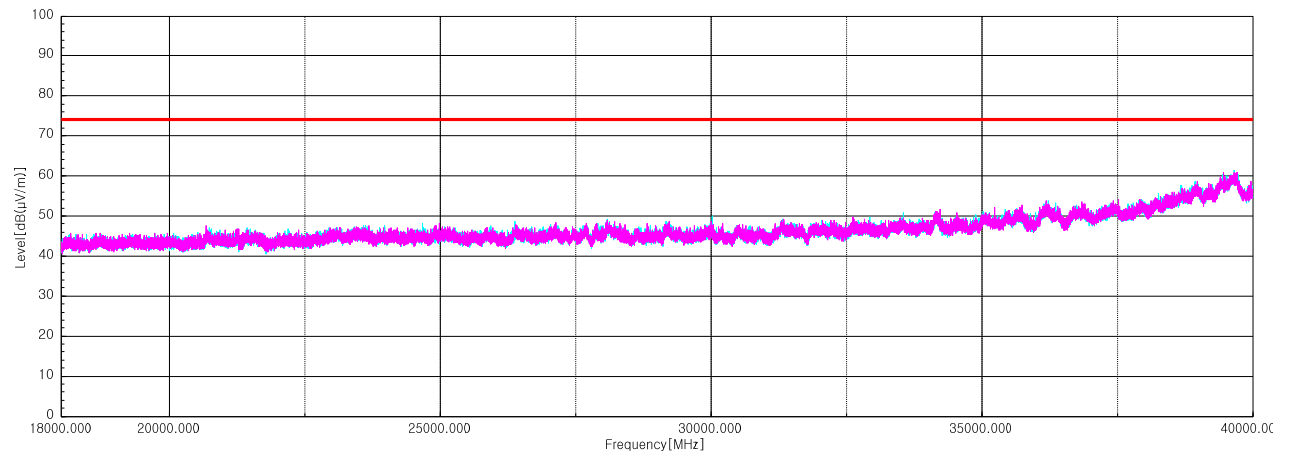
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



## Straddle Channel MIMO

### 802.11a (5 720 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 402.07 <sup>1)</sup>	H	52.30	38.70	-42.15	-	48.85	74.00	25.15
17 124.85	H	50.80	38.00	-37.42	-	51.38	68.20	16.82
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

### 802.11n HT20 (5 720 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 450.37 <sup>1)</sup>	V	52.40	38.70	-42.17	-	48.93	74.00	25.07
17 159.73	H	49.80	37.88	-37.36	-	50.32	68.20	17.88
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

### 802.11n HT40 (5 710 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 513.23 <sup>1)</sup>	H	51.90	38.57	-42.16	-	48.31	74.00	25.69
17 128.68	H	49.90	38.00	-37.41	-	50.49	68.20	17.71
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

### 802.11ac VHT20 (5 720 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 449.60 <sup>1)</sup>	H	52.30	38.70	-42.17	-	48.83	74.00	25.17
17 168.17	H	49.90	37.86	-37.35	-	50.41	68.20	17.79
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac VHT40 (5 710 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
11 469.92 <sup>1)</sup>	H	51.60	38.70	-42.18	-	48.12	74.00	25.88
17 132.13	V	50.50	38.00	-37.40	-	51.10	68.20	17.10
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac VHT80 (5 690 MHz)**

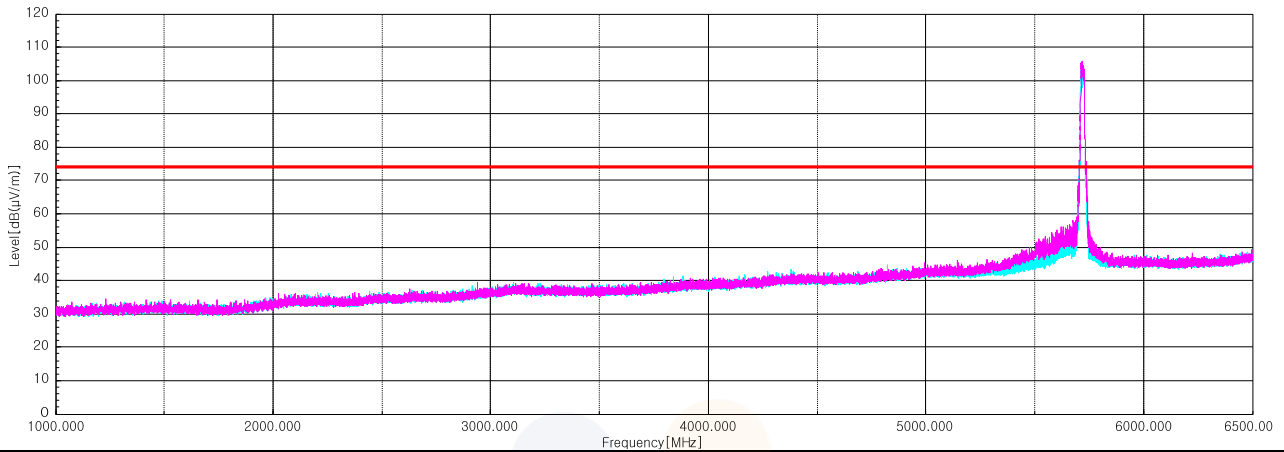
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
11 300.10 <sup>1)</sup>	V	53.40	38.60	-42.10	-	49.90	74.00	24.10
17 075.40	V	50.70	38.05	-37.49	-	51.26	68.20	16.94
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

### Plot of Harmonics and Spurious Emissions

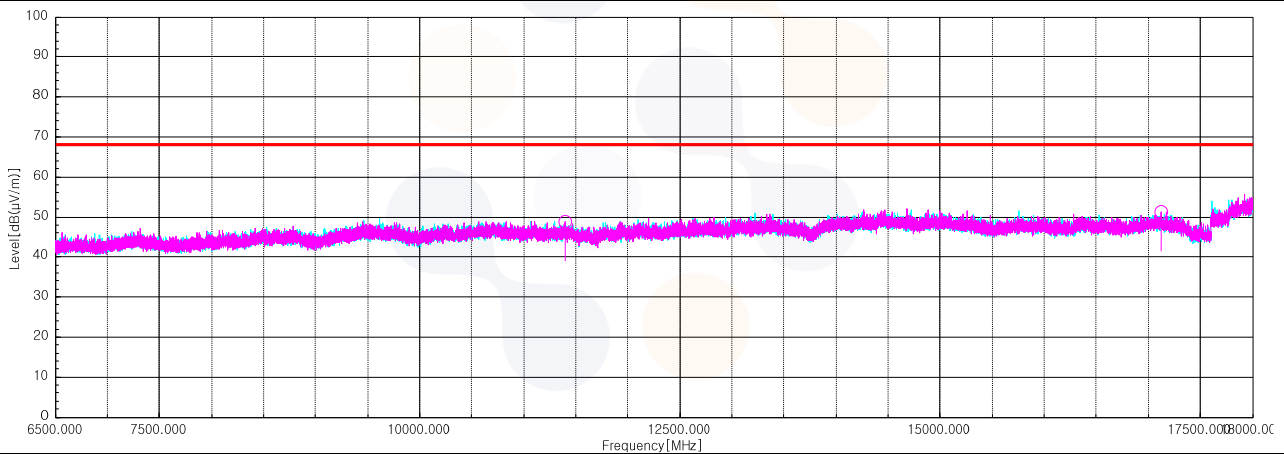
In order to simplify the report, attached plots were only the lowest margin condition

#### 802.11a\_Straddle Channel (5 720 MHz)

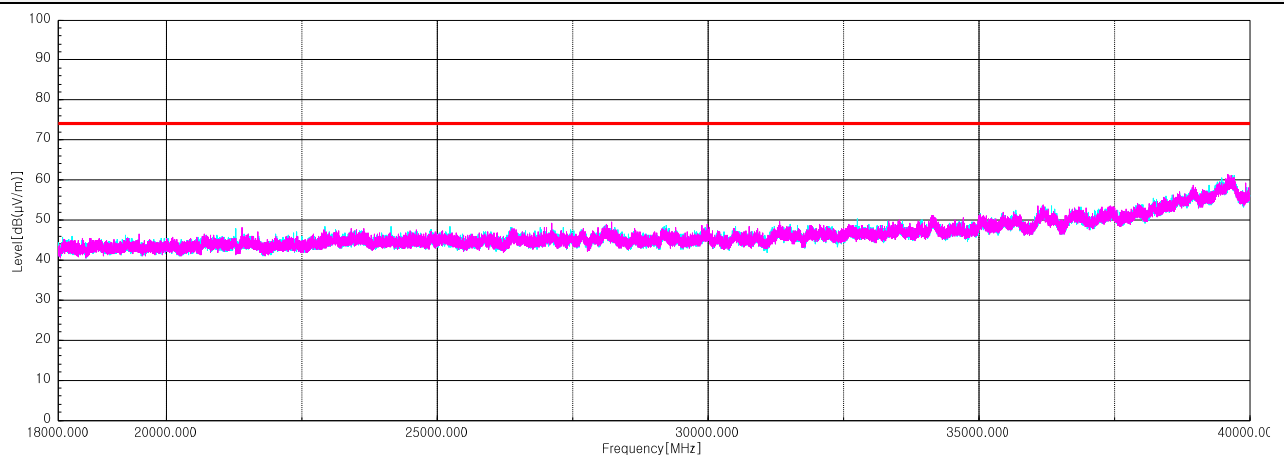
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



### UNII-3 SISO

#### 802.11a\_Lowest Channel (5 745 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 718.98	H	52.50	33.31	-26.63	-	59.18	110.50	51.32
11 434.27 <sup>1)</sup>	H	52.80	38.70	-42.17	-	49.33	74.00	24.67
17 216.85	H	49.70	38.17	-37.27	-	50.60	68.20	17.60
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

#### 802.11a\_Middle Channel (5 785 MHz)

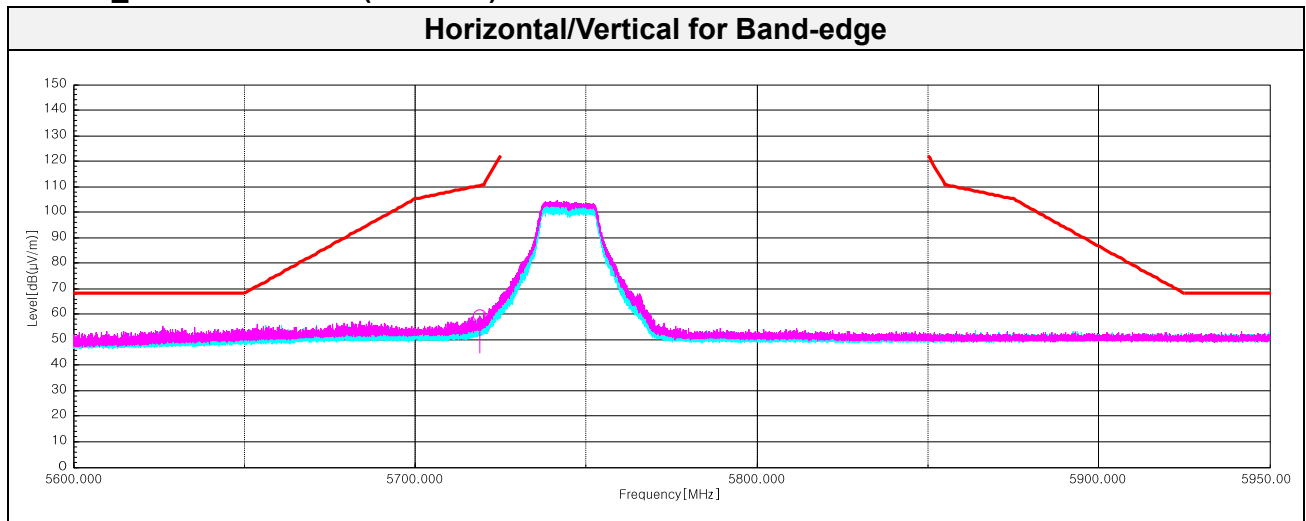
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 518.98 <sup>1)</sup>	H	51.30	38.56	-42.14	-	47.72	74.00	26.28
17 240.23	V	49.00	38.26	-37.24	-	50.02	68.20	18.18
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

#### 802.11a\_Highest Channel (5 825 MHz)

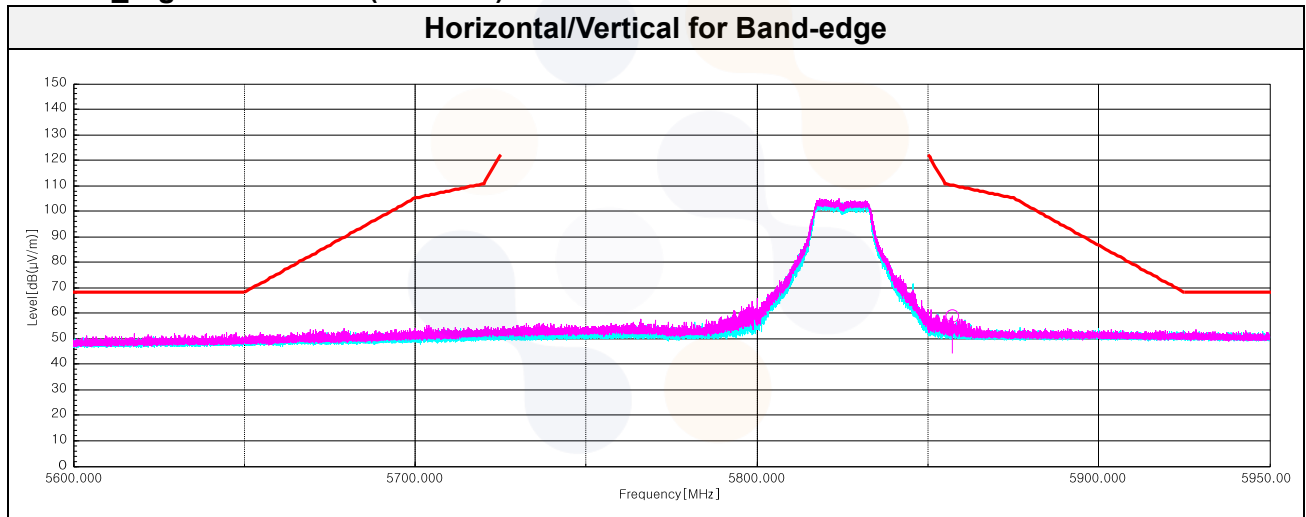
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 857.19	H	51.30	33.83	-26.35	-	58.78	110.20	51.42
11 612.52 <sup>1)</sup>	H	51.40	38.37	-41.87	-	47.90	74.00	26.10
17 388.20	V	47.10	38.83	-37.29	-	48.64	68.20	19.56
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



**802.11a\_Lowest Channel (5 745 MHz)**



**802.11a\_Highest Channel (5 825 MHz)**



**802.11n\_HT20\_Lowest Channel (5 745 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 719.99	H	53.40	33.32	-26.63	-	60.09	110.80	50.71
11 469.15 <sup>1)</sup>	H	52.80	38.70	-42.18	-	49.32	74.00	24.68
17 264.00	H	50.00	38.23	-37.23	-	51.00	68.20	17.20
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

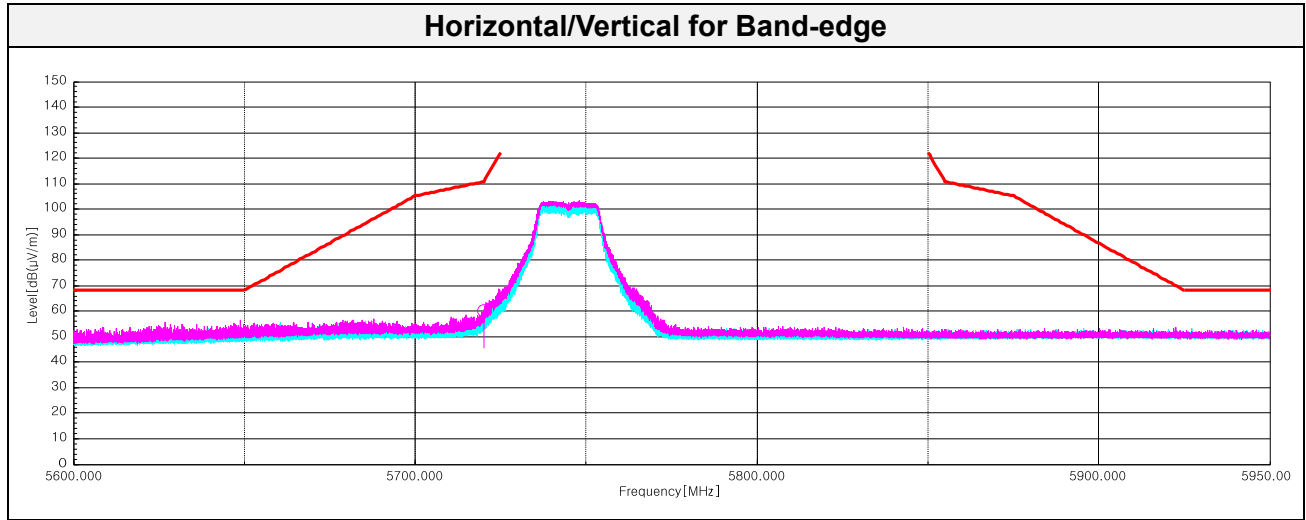
**802.11n\_HT20\_Middle Channel (5 785 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 561.92 <sup>1)</sup>	V	52.20	38.48	-42.02	-	48.66	74.00	25.34
17 183.12	H	50.60	37.83	-37.32	-	51.11	68.20	17.09
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

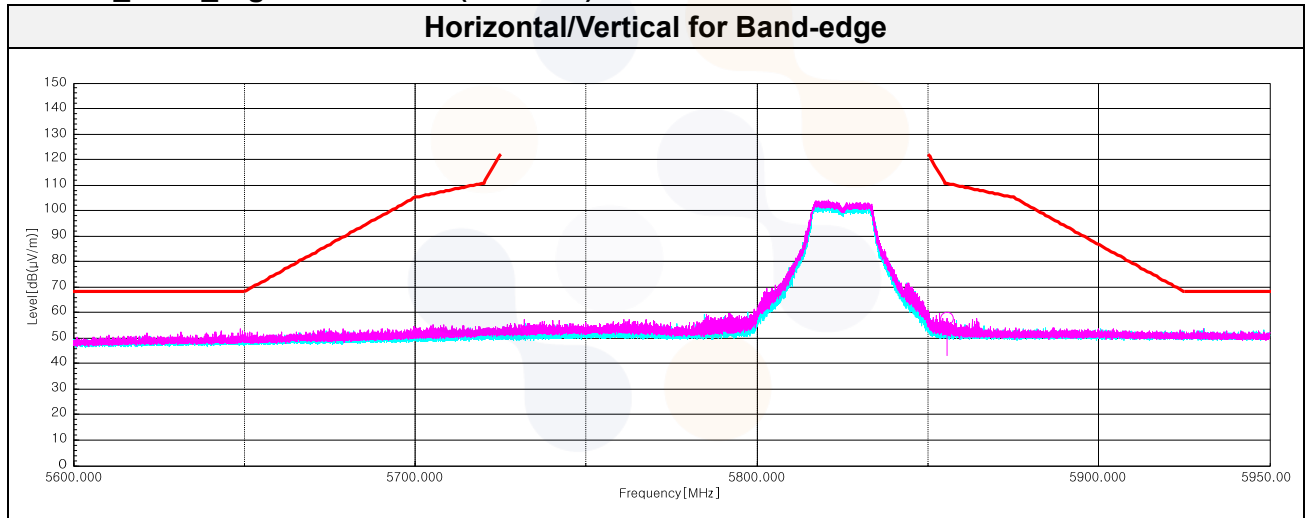
**802.11n\_HT20\_Highest Channel (5 825 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 855.56	H	50.30	33.82	-26.36	-	57.76	110.60	52.84
11 673.85 <sup>1)</sup>	H	51.30	38.25	-41.69	-	47.86	74.00	26.14
17 440.72	H	47.00	38.96	-37.31	-	48.65	68.20	19.55
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11n\_HT20\_Lowest Channel (5 745 MHz)**



**802.11n\_HT20\_Highest Channel (5 825 MHz)**



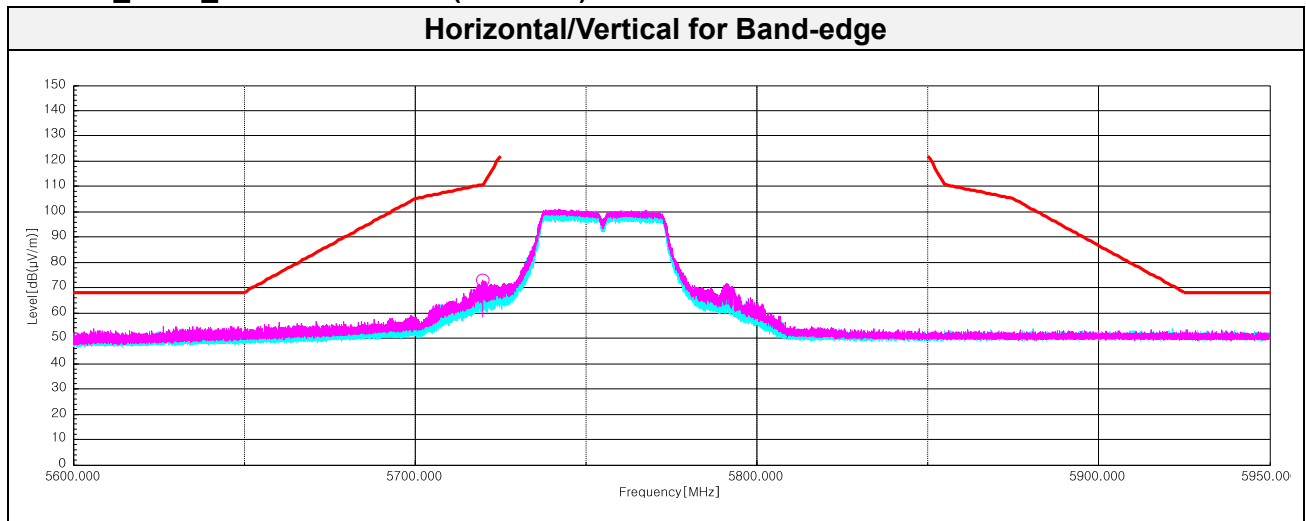
**802.11n\_HT40\_Lowest Channel (5 755 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 719.85	H	66.10	33.32	-26.63	-	72.79	110.80	38.01
11 567.28 <sup>1)</sup>	H	52.80	38.47	-42.00	-	49.27	74.00	24.73
17 134.82	H	50.60	38.00	-37.40	-	51.20	68.20	17.00
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

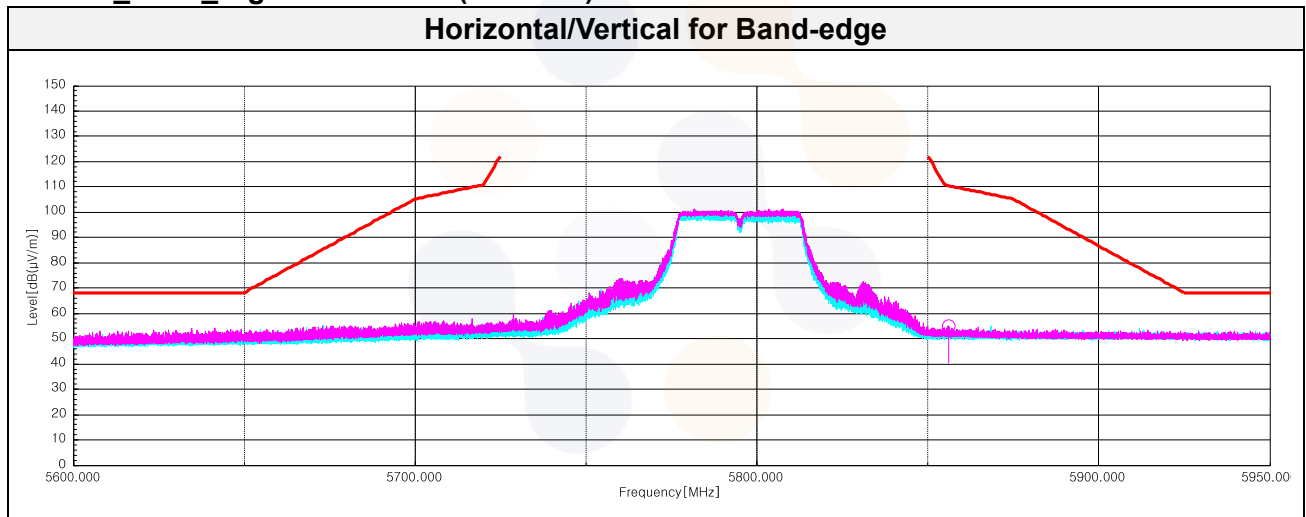
**802.11n\_HT40\_Highest Channel (5 795 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 856.08	H	47.60	33.82	-26.36	-	55.06	110.50	55.44
11 580.70 <sup>1)</sup>	V	51.90	38.44	-41.96	-	48.38	74.00	25.62
17 299.65	H	48.30	38.30	-37.24	-	49.36	68.20	18.84
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11n\_HT40\_Lowest Channel (5 755 MHz)**



**802.11n\_HT40\_Highest Channel (5 795 MHz)**



**802.11ac\_VHT20\_Lowest Channel (5 745 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 719.95	H	53.50	33.32	-26.63	-	60.19	110.80	50.61
11 472.98 <sup>1)</sup>	H	52.20	38.70	-42.19	-	48.71	74.00	25.29
17 266.30	V	49.00	38.23	-37.23	-	50.00	68.20	18.20
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

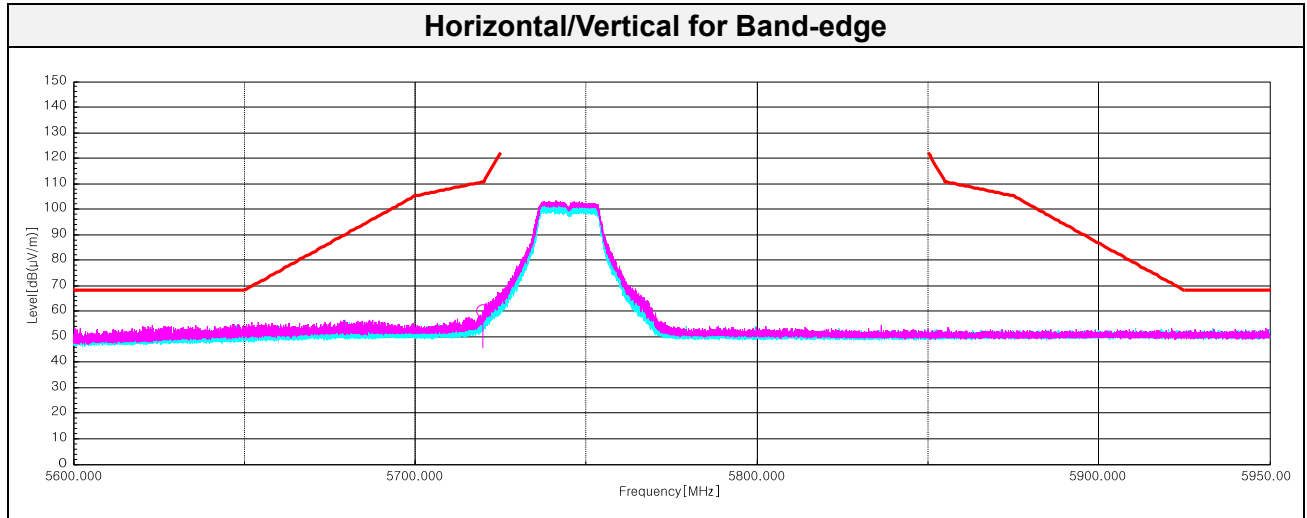
**802.11ac\_VHT20\_Middle Channel (5 785 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 606.00 <sup>1)</sup>	H	51.20	38.39	-41.89	-	47.70	74.00	26.30
17 308.47	H	49.00	38.32	-37.25	-	50.07	68.20	18.13
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

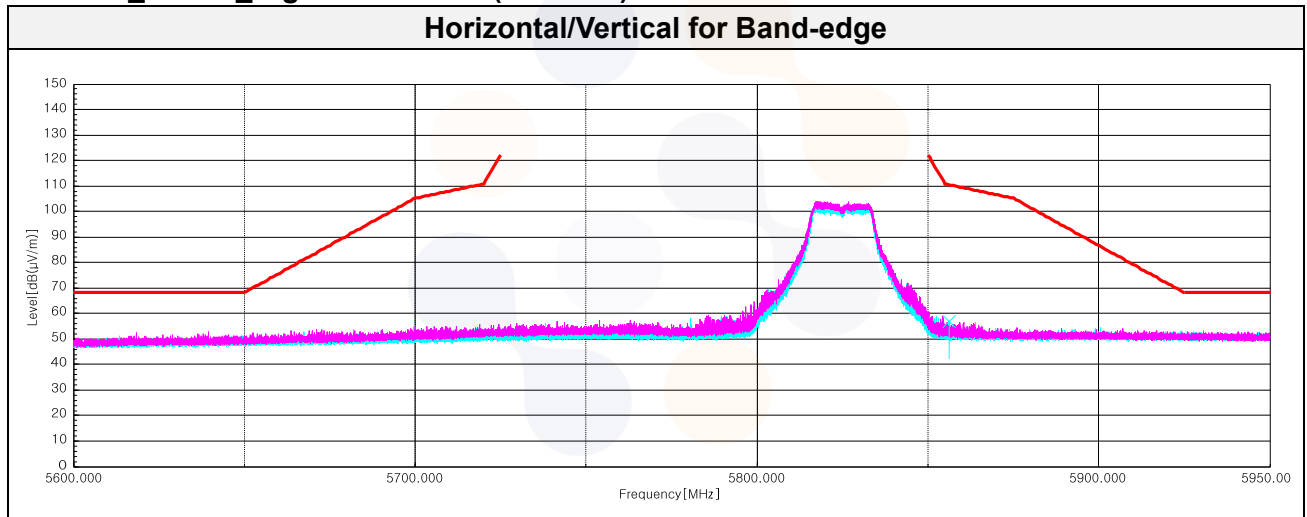
**802.11ac\_VHT20\_Highest Channel (5 825 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 856.34	V	49.30	33.83	-26.36	-	56.77	110.40	53.63
11 761.25 <sup>1)</sup>	H	51.60	38.20	-41.44	-	48.36	74.00	25.64
17 461.03	H	46.30	39.17	-37.32	-	48.15	68.20	20.05
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac\_VHT20\_Lowest Channel (5 745 MHz)**



**802.11ac\_VHT20\_Highest Channel (5 825 MHz)**



**802.11ac\_VHT40\_Lowest Channel (5 755 MHz)**

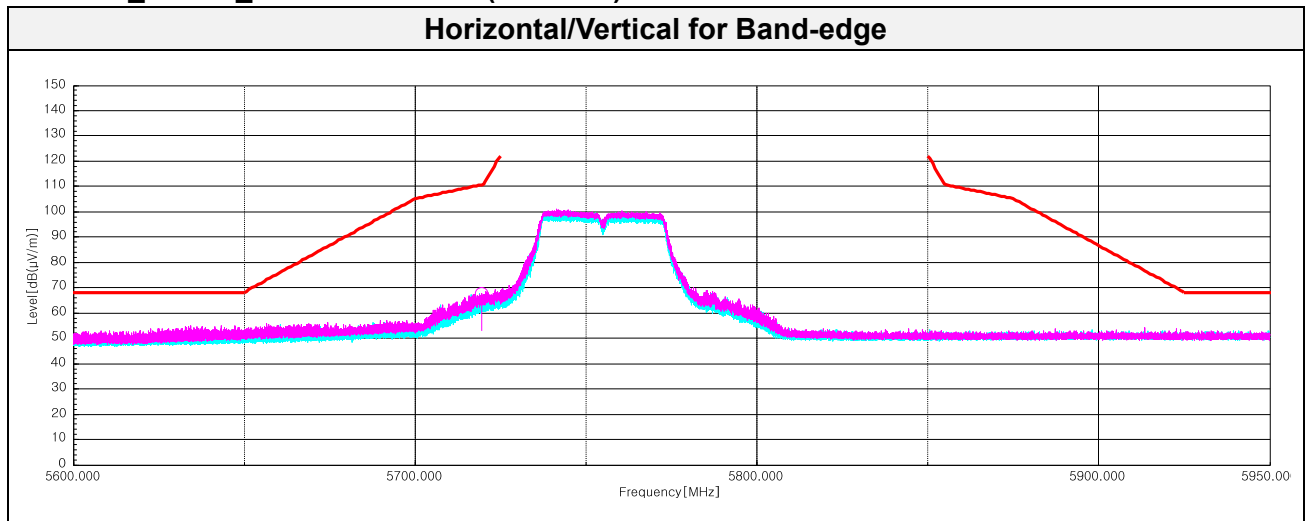
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 719.46	H	60.90	33.32	-26.63	-	67.59	110.60	43.01
11 485.63 <sup>1)</sup>	V	52.70	38.70	-42.19	-	49.21	74.00	24.79
17 296.97	V	49.30	38.29	-37.24	-	50.35	68.20	17.85
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11ac\_VHT40\_Highest Channel (5 795 MHz)**

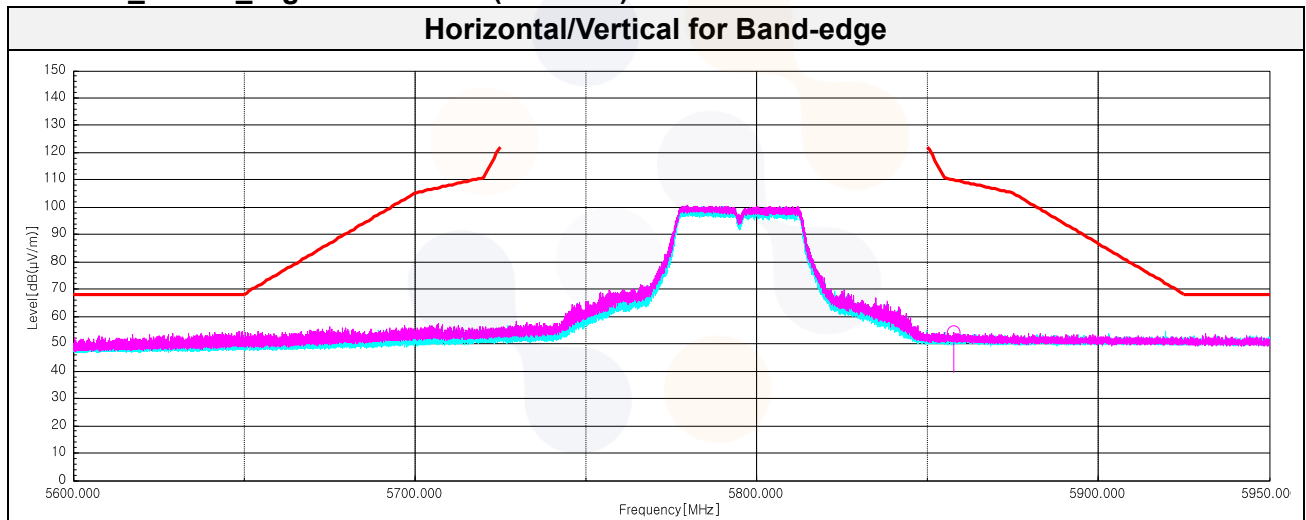
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
5 857.74	H	46.50	33.83	-26.35	-	53.98	110.00	56.02
11 584.53 <sup>1)</sup>	H	52.30	38.43	-41.95	-	48.78	74.00	25.22
17 301.57	V	48.70	38.30	-37.24	-	49.76	68.20	18.44
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



### 802.11ac\_VHT40\_Lowest Channel (5 755 MHz)

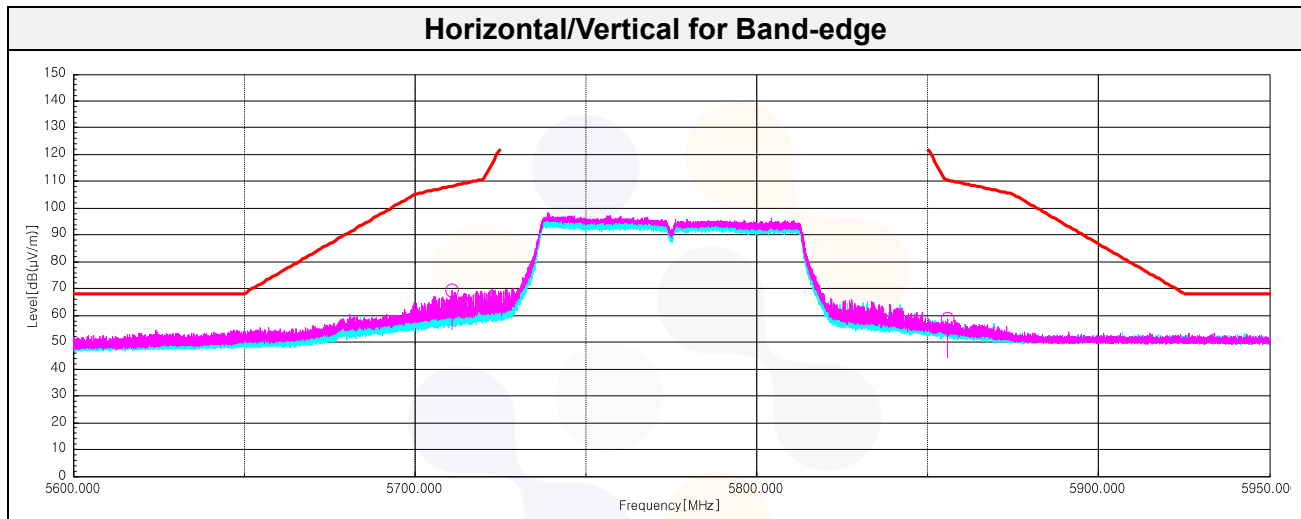


### 802.11ac\_VHT40\_Highest Channel (5 795 MHz)



**802.11ac\_VHT80\_Middle Channel (5 775 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 710.93	H	62.60	33.27	-26.65	-	69.22	108.30	39.08
5 855.80	H	51.10	33.82	-26.36	-	58.56	110.60	52.04
11 576.48 <sup>1)</sup>	V	51.70	38.45	-41.97	-	48.18	74.00	25.82
17 328.02	V	48.30	38.36	-37.26	-	49.40	68.20	18.80
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



### **UNII-3 2TX MIMO**

#### **802.11a\_Lowest Channel (5 745 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 719.22	H	55.60	33.32	-26.63	-	62.29	110.60	48.31
11 518.98 <sup>1)</sup>	H	52.30	38.56	-42.14	-	48.72	74.00	25.28
17 160.50	V	50.40	37.88	-37.36	-	50.92	68.20	17.28
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

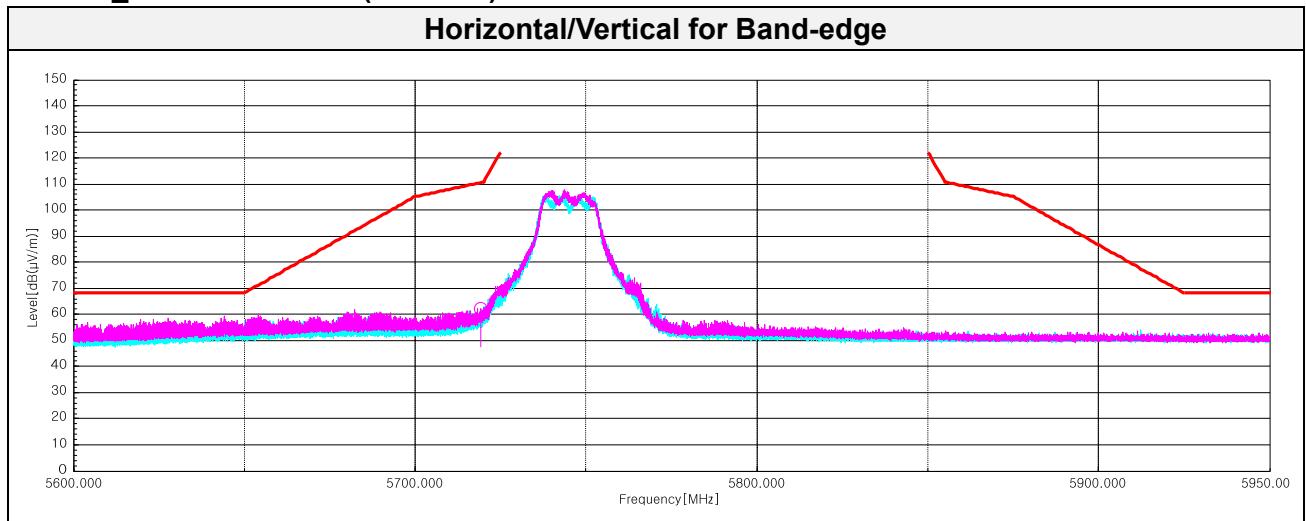
#### **802.11a\_Middle Channel (5 785 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 564.60 <sup>1)</sup>	V	51.40	38.47	-42.01	-	47.86	74.00	26.14
17 282.78	H	49.40	38.27	-37.24	-	50.43	68.20	17.77
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

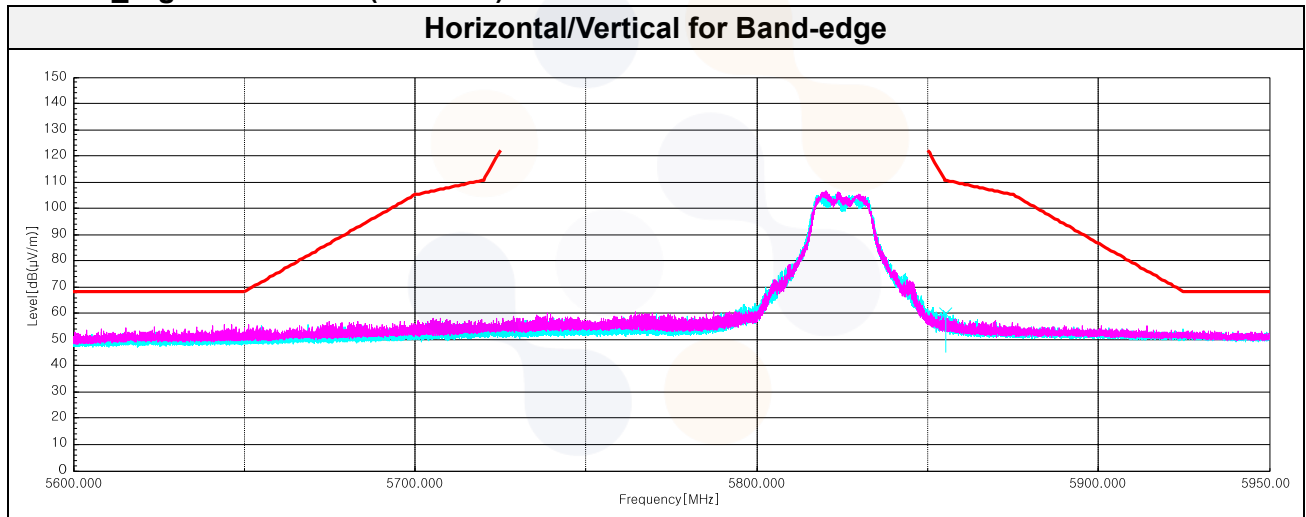
#### **802.11a\_Highest Channel (5 825 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 855.21	V	52.30	33.82	-26.36	-	59.76	110.70	50.94
11 620.57 <sup>1)</sup>	V	51.00	38.36	-41.84	-	47.52	74.00	26.48
17 351.78	H	48.60	38.61	-37.27	-	49.94	68.20	18.26
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11a\_Lowest Channel (5 745 MHz)**



**802.11a\_Highest Channel (5 825 MHz)**



**802.11n\_HT20\_Lowest Channel (5 745 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 716.49	V	55.60	33.30	-26.63	-	62.27	109.80	47.53
11 429.67 <sup>1)</sup>	V	51.80	38.70	-42.16	-	48.34	74.00	25.66
17 109.52	V	50.90	38.00	-37.44	-	51.46	68.20	16.74
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

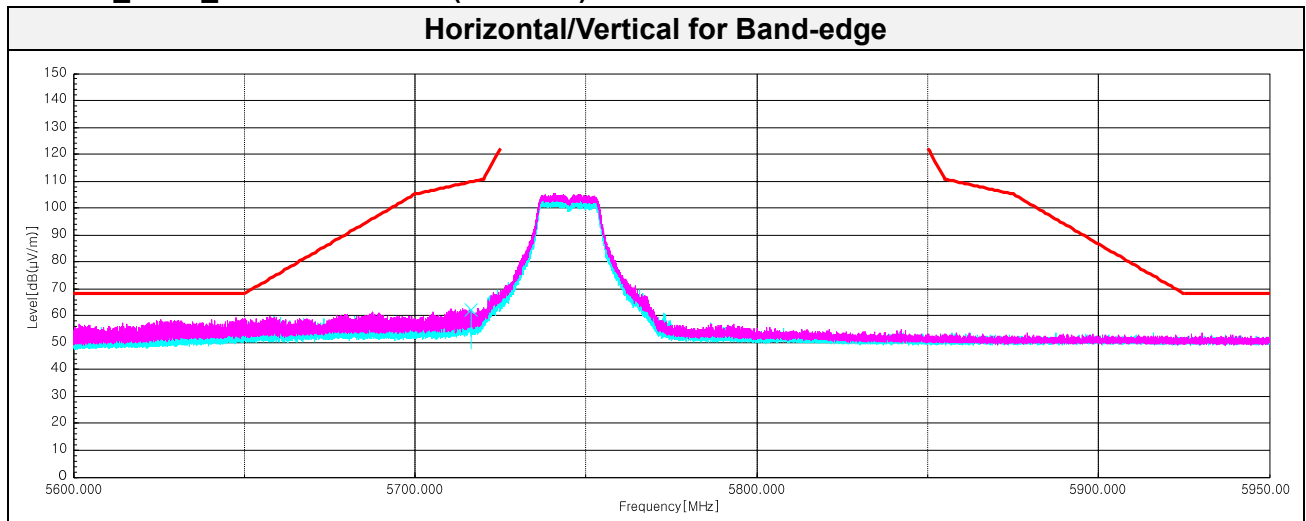
**802.11n\_HT20\_Middle Channel (5 785 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 513.62 <sup>1)</sup>	V	51.10	38.57	-42.16	-	47.51	74.00	26.49
17 285.08	V	49.10	38.27	-37.24	-	50.13	68.20	18.07
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11n\_HT20\_Highest Channel (5 825 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
5 858.64	V	50.10	33.83	-26.35	-	57.58	109.80	52.22
11 674.62 <sup>1)</sup>	H	51.20	38.25	-41.68	-	47.77	74.00	26.23
17 503.97	H	46.10	39.42	-37.33	-	48.19	68.20	20.01
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**802.11n\_HT20\_Lowest Channel (5 745 MHz)**



**802.11n\_HT20\_Highest Channel (5 825 MHz)**

