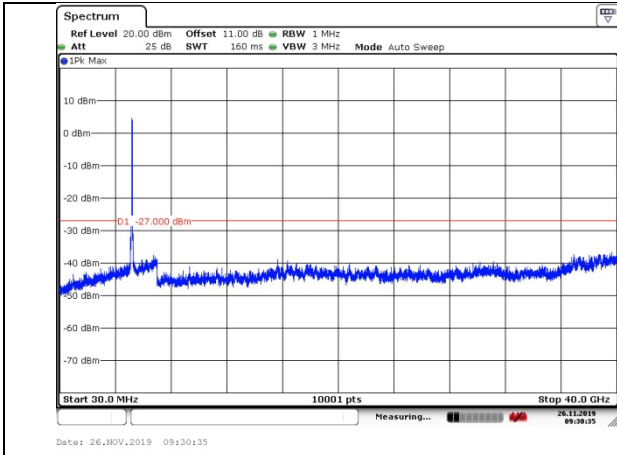
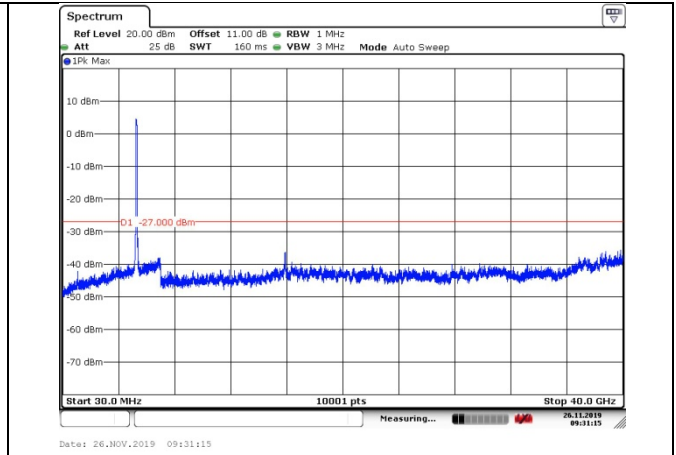


Test Mode: 802.11ac VHT80 (SISO Ant2)

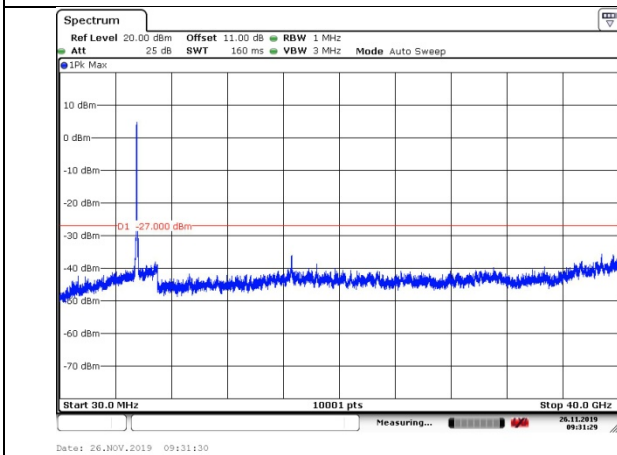
Carrier frequency (MHz)	Figure
5210	1
5290	2
5530	3
5610	4
5775	5



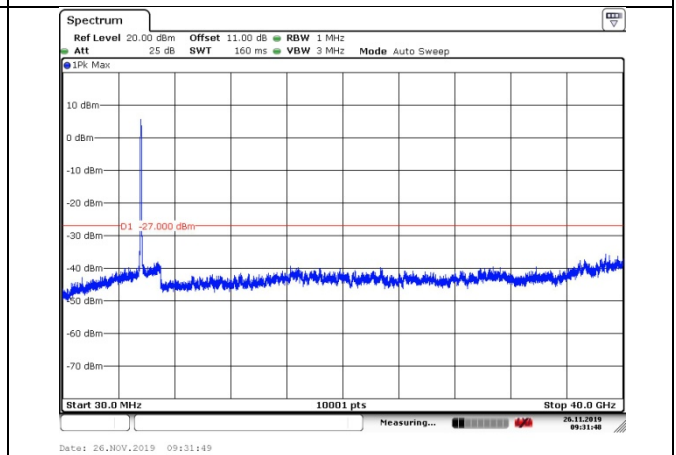
1



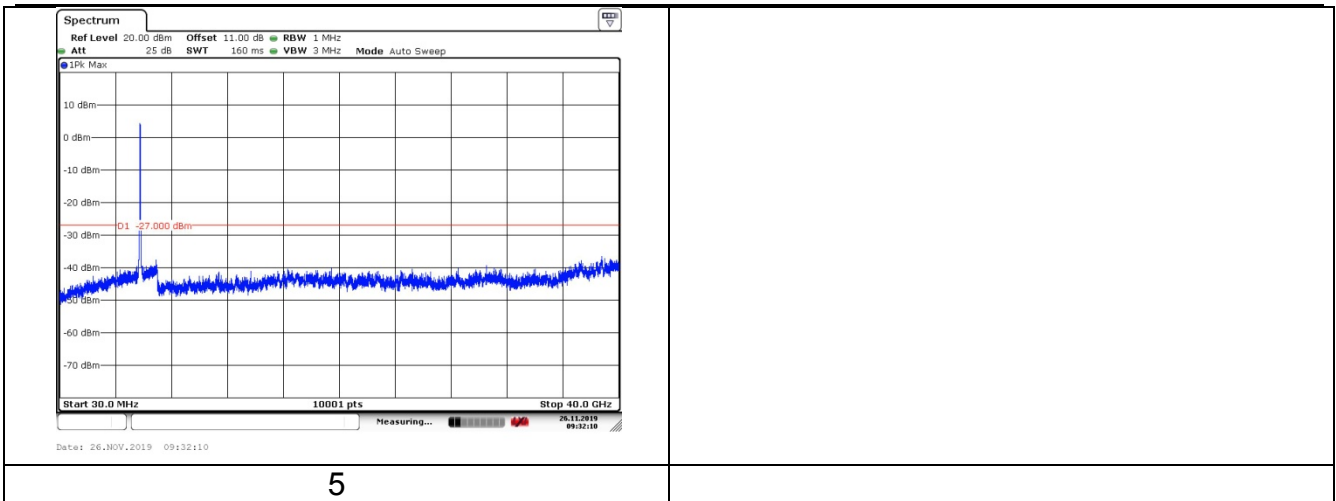
2



3



4



Frequency Stability

U-NII-1

Mod.	Data Rate	Ant	Frequency (MHz)	Frequency Stability(ppm)	Voltage(V)	Temperature(°C)
11a	6Mbps	1	5180	-1.31	NV	-10
11a	6Mbps	1	5180	1.43	NV	0
11a	6Mbps	1	5180	1.90	NV	+10
11a	6Mbps	1	5180	1.55	HV	+20
11a	6Mbps	1	5180	-0.56	LV	+20
11a	6Mbps	1	5180	0.00	NV	+20
11a	6Mbps	1	5180	3.78	NV	+30
11a	6Mbps	1	5180	1.94	NV	+40
11a	6Mbps	1	5180	1.47	NV	+50
11a	6Mbps	1	5180	3.48	NV	+55

U-NII-2A

Mod.	Data Rate	Ant	Frequency (MHz)	Frequency Stability(ppm)	Voltage(V)	Temperature(°C)
11a	6Mbps	1	5260	0.26	NV	-10
11a	6Mbps	1	5260	2.77	NV	0
11a	6Mbps	1	5260	2.42	NV	+10
11a	6Mbps	1	5260	2.43	HV	+20
11a	6Mbps	1	5260	1.34	LV	+20
11a	6Mbps	1	5260	0.00	NV	+20
11a	6Mbps	1	5260	4.34	NV	+30
11a	6Mbps	1	5260	3.98	NV	+40
11a	6Mbps	1	5260	3.20	NV	+50
11a	6Mbps	1	5260	5.08	NV	+55

U-NII-2C

Mod.	Data Rate	Ant	Frequency (MHz)	Frequency Stability(ppm)	Voltage(V)	Temperature(°C)
11a	6Mbps	1	5500	-0.70	NV	-10
11a	6Mbps	1	5500	2.09	NV	0
11a	6Mbps	1	5500	2.10	NV	+10
11a	6Mbps	1	5500	1.94	HV	+20
11a	6Mbps	1	5500	0.25	LV	+20
11a	6Mbps	1	5500	0.00	NV	+20
11a	6Mbps	1	5500	4.42	NV	+30
11a	6Mbps	1	5500	1.94	NV	+40
11a	6Mbps	1	5500	3.27	NV	+50
11a	6Mbps	1	5500	4.33	NV	+55

U-NII3

Mod.	Data Rate	Ant	Frequency (MHz)	Frequency Stability(ppm)	Voltage(V)	Temperature(°C)
11a	6Mbps	1	5785	-1.02	NV	-10
11a	6Mbps	1	5785	1.83	NV	0
11a	6Mbps	1	5785	3.02	NV	+10
11a	6Mbps	1	5785	2.43	HV	+20
11a	6Mbps	1	5785	0.03	LV	+20
11a	6Mbps	1	5785	0.00	NV	+20
11a	6Mbps	1	5785	4.13	NV	+30
11a	6Mbps	1	5785	1.66	NV	+40
11a	6Mbps	1	5785	3.26	NV	+50
11a	6Mbps	1	5785	4.96	NV	+55

Dynamic Frequency Selection

DESCRIPTION OF Master Device

The Master Device is a SKSpruce Technologies Co., Ltd., Indoor Access Point, FCC ID: 2AHKT-WIA3300-20. The minimum antenna gain for the Master Device is 3 dBi.

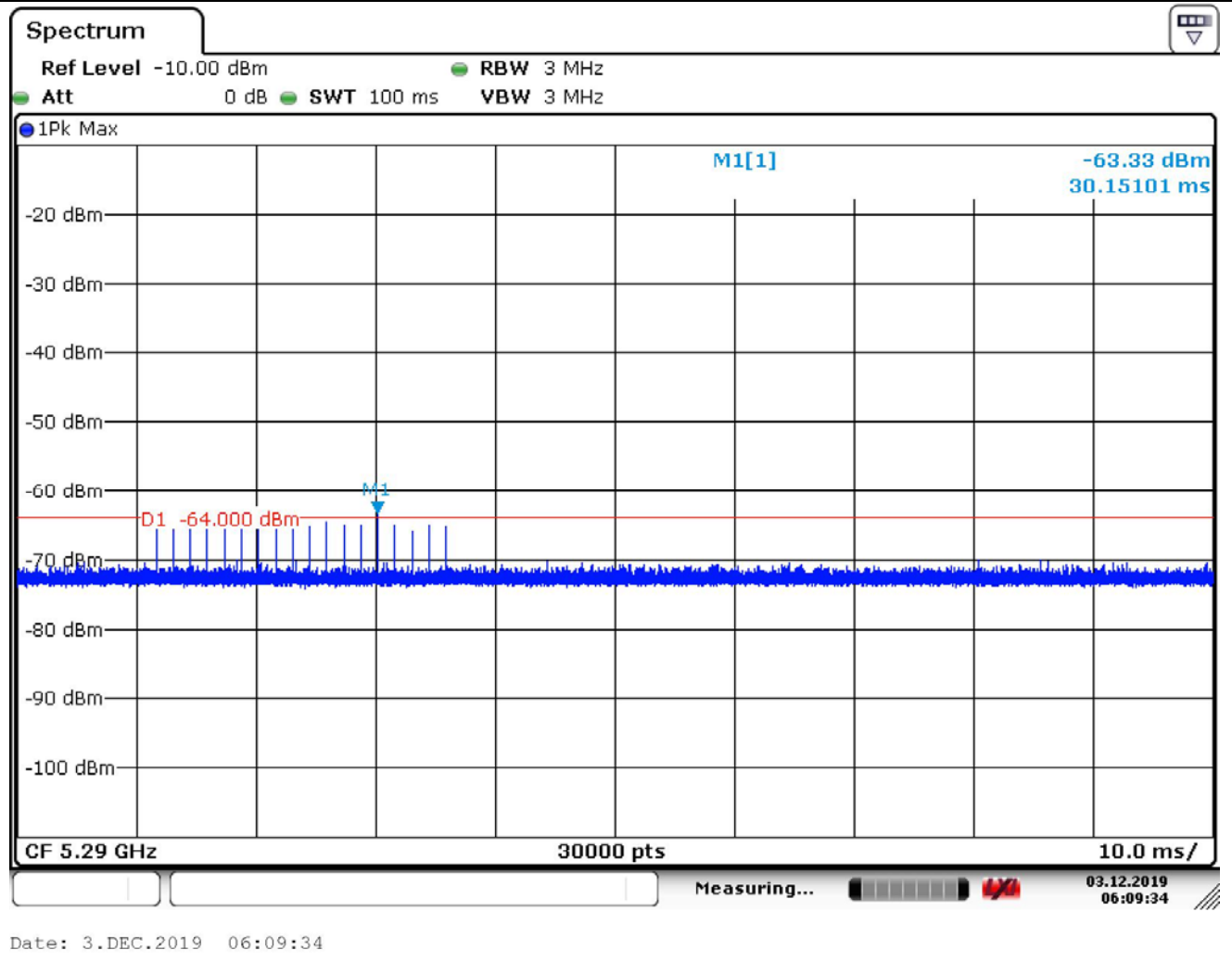
The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -64 dBm. After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63$ dBm.

The calibrated radiated DFS Detection Threshold level is set to -64 dBm. The tested level is lower than the required level hence it provides a margin to the limit.

Radar Waveform Calibration Result

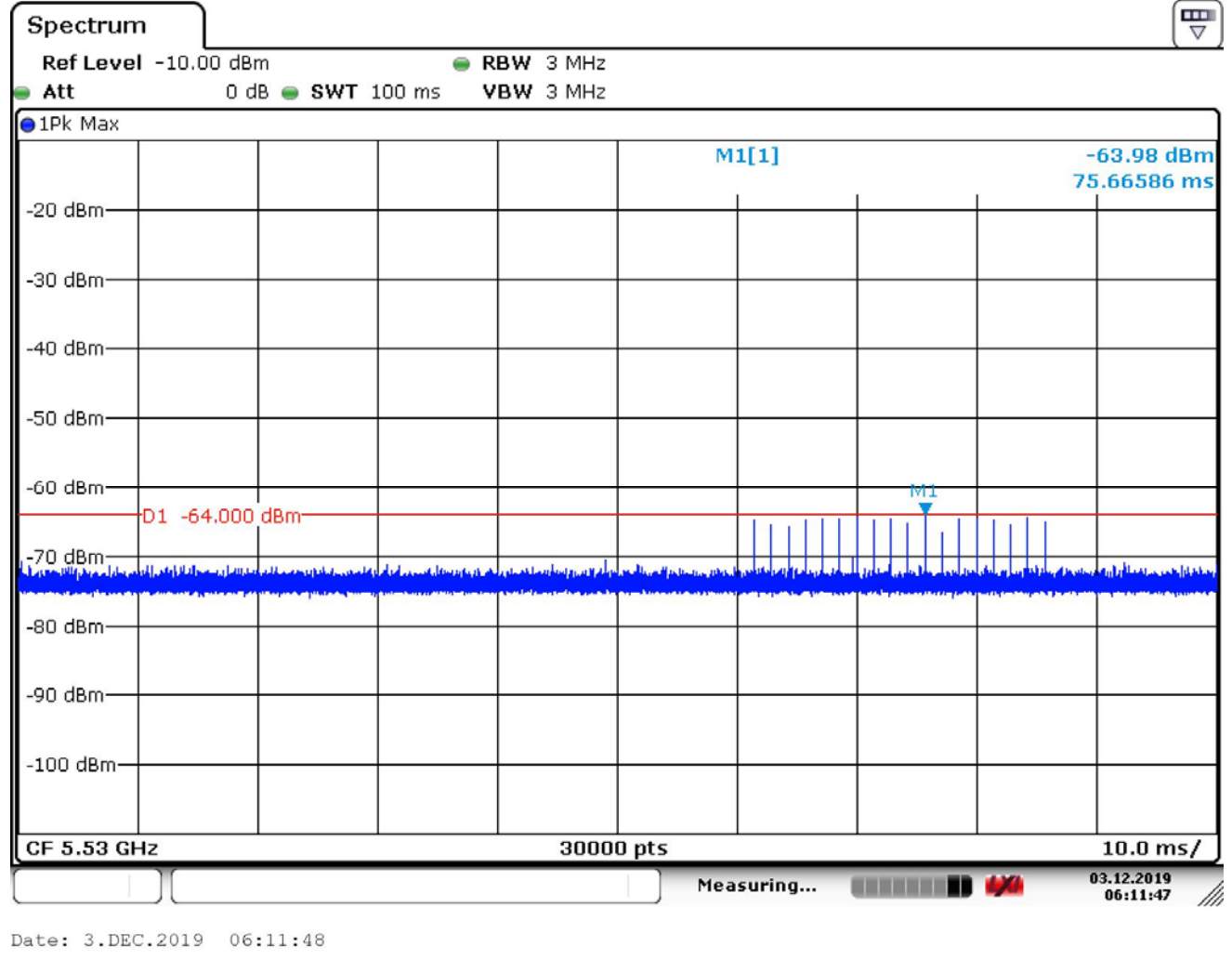
<80MHz / 5290 MHz> Radar Type 0

Radar / DFS detection threshold level and the burst of pulses on the Channel frequency



<80MHz / 5530 MHz> Radar Type 0

Radar / DFS detection threshold level and the burst of pulses on the Channel frequency



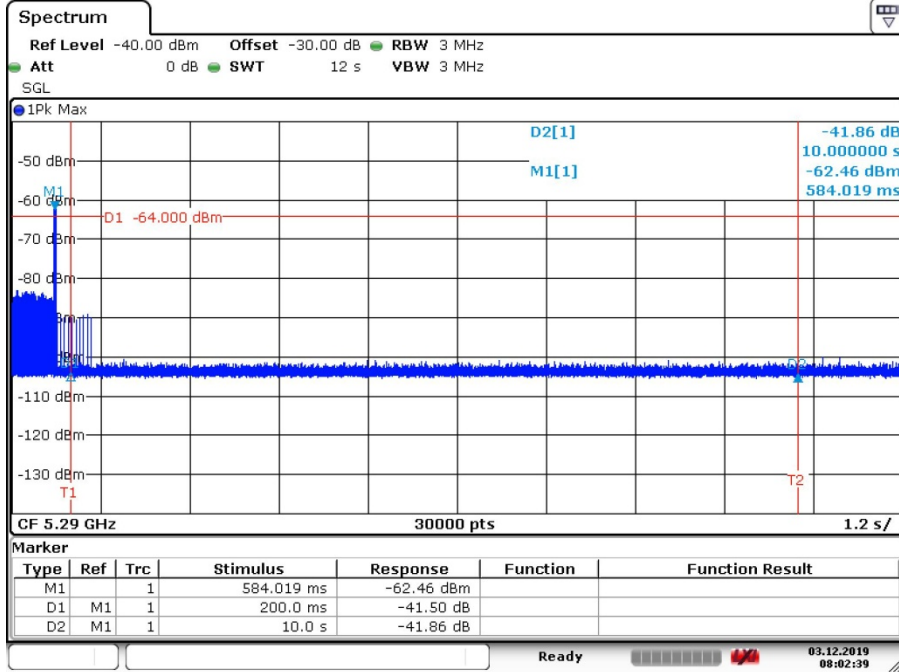
Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test

Frequency	Test Item	Test Result	Limit	Pass/Fail
5290MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	200ms +24ms	< 260ms	Pass
	Non-Occupancy Period	≥ 30	≥ 30 min	Pass
5530MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	200ms +32 ms	< 260ms	Pass
	Non-Occupancy Period	≥ 30	≥ 30 min	Pass

Note*: We notice clearly that “Channel Move Time” is less than 10s from the figure. The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 seconds period. The aggregate duration of control signals will not count quiet periods in between transmissions.

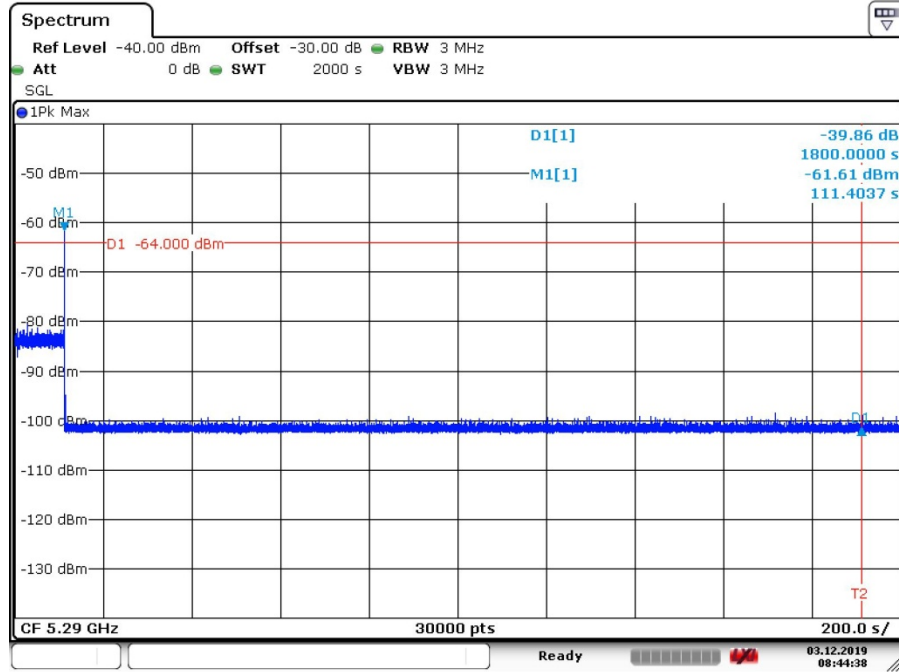
Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test Plots

<80MHz / 5290 MHz>
Channel Move Time & Channel Closing Transmission Time



Date: 3.DEC.2019 08:02:40

Non-Occupancy Period



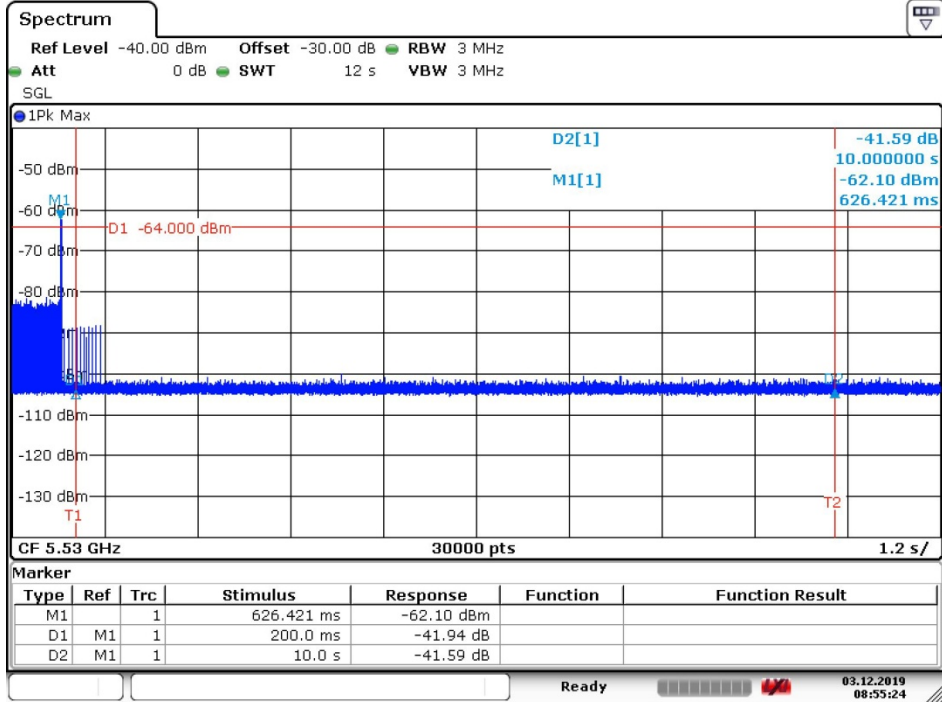
Date: 3.DEC.2019 08:44:38

Note:

Dwell (0.4 ms) = Sweep Time (12000 ms) / Sweep Point Bins (30000)
 Channel Closing Transmission Time (200 + 24 ms) = 200 + Number of beacon after 200ms(6) X Dwell (0.4 ms)
 < 260ms

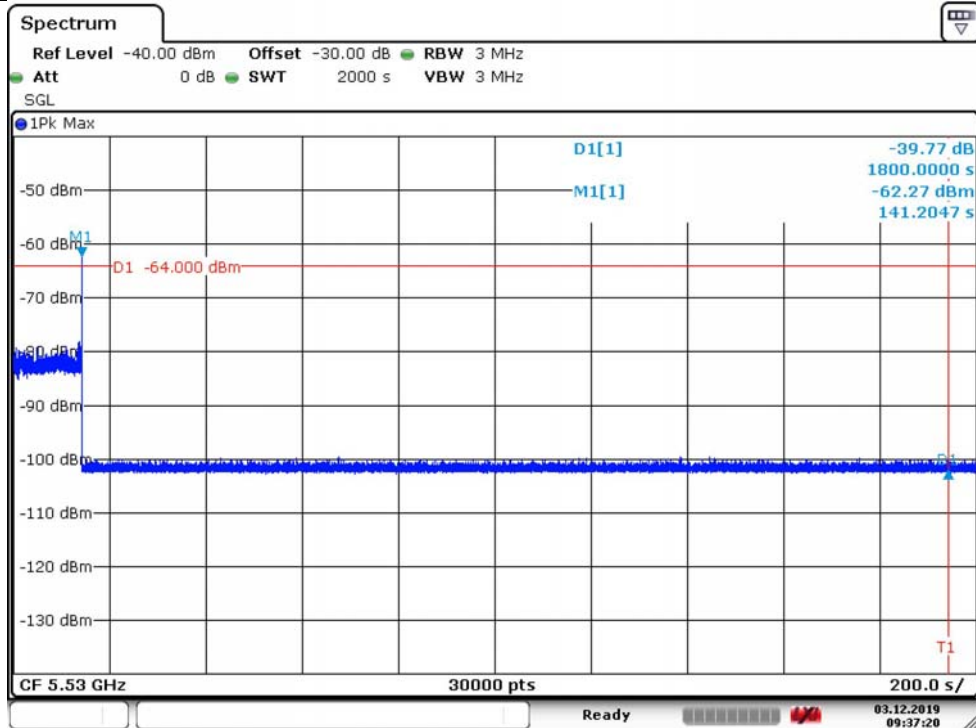
<80MHz / 5530MHz>

Channel Move Time & Channel Closing Transmission Time



Date: 3.DEC.2019 08:55:24

Non-Occupancy Period



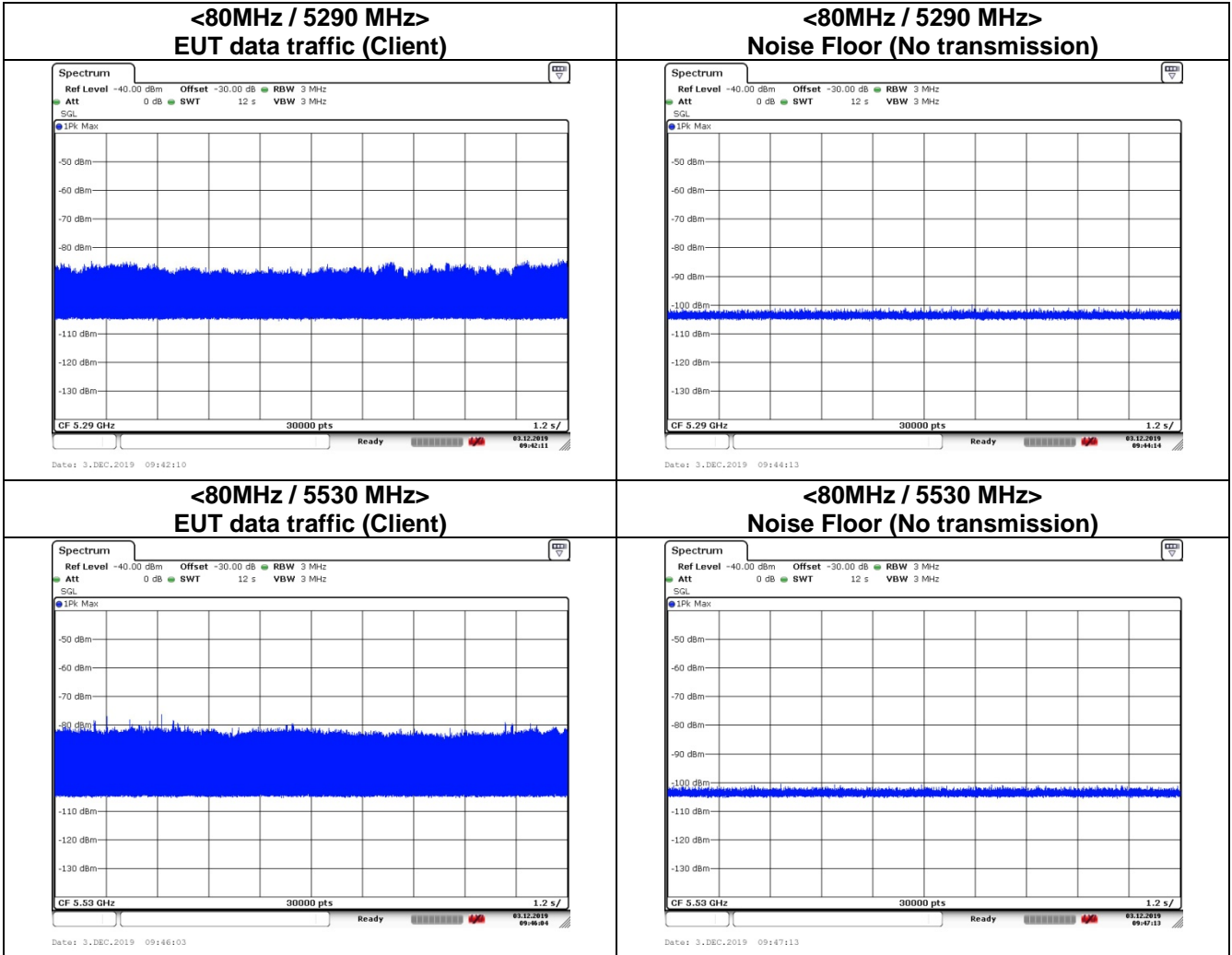
Date: 3.DEC.2019 09:37:20

Note:

Dwell (0.4 ms) = Sweep Time (12000 ms) / Sweep Point Bins (30000)

Channel Closing Transmission Time (200 + 32 ms) = 200 + Number of beacon after 200ms(8) X Dwell (0.4 ms) < 260ms

Data Traffic and Noise Floor Plots



APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Emission Band Edge

The worst case attitude: The eut lay down.

The measurement results are obtained as described below:

Measure Level = Reading Level + cable loss + antenna factor

Sample calculation: (103.54 dBuV/m) = (56.64 dBuV) + (12.4 dB) + (34.5 dB), the corresponding frequency is 5180MHz.

Carrier frequency (MHz): 5180 MHz

Channel No.:36

Test Mode: 802.11a

Polarity:\Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	103.54	56.64	N/A	N/A	12.4	34.5
2	5150	54.33	7.43	-19.67	74	12.4	34.5

Carrier frequency (MHz): 5180

Channel No.:36

Test Mode: 802.11a

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	98.70	51.80	N/A	N/A	12.4	34.5
2	5150	54.17	7.27	-19.83	74	12.4	34.5

Carrier frequency (MHz): 5180 MHz

Channel No.: 36

Test Mode: 802.11a

Polarity:\Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	97.44	50.54	N/A	N/A	12.4	34.5
2	5150	40.25	-6.65	-13.75	54	12.4	34.5

Carrier frequency (MHz): 5180 MHz

Channel No.: 36

Test Mode: 802.11a

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	92.52	45.62	N/A	N/A	12.4	34.5
2	5150	39.3	-7.58	14.68	54	12.4	34.5

Carrier frequency (MHz): 5320 MHz

Channel No.:64

Test Mode: 802.11a

Polarity:Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5320	103.35	56.25	N/A	N/A	12.6	34.5
2	5350	54.03	6.93	-19.97	74	12.6	34.5

Carrier frequency (MHz): 5320 MHz

Channel No.:64

Test Mode: 802.11a

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5320	98.68	51.58	N/A	N/A	12.6	34.5
2	5350	53.68	6.58	-20.32	74	12.6	34.5

Carrier frequency (MHz): 5320 MHz

Channel No.:64

Test Mode: 802.11a

Polarity:Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5320	95.44	48.34	N/A	N/A	12.6	34.5
2	5350	44.03	-3.07	-9.97	54	12.6	34.5

Carrier frequency (MHz): 5320 MHz
Channel No.:64
Test Mode: 802.11a
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5320	91.13	44.03	N/A	N/A	12.6	34.5
2	5350	42.92	-4.18	-11.08	54	12.6	34.5

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11a
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5500	102.53	55.23	N/A	N/A	12.7	34.6
2	5475	52.23	4.93	-21.77	74	12.7	34.6

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11a
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5500	98.52	51.22	N/A	N/A	12.7	34.6
2	5475	51.43	4.13	-22.57	74	12.7	34.6

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11a
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5500	95.36	48.06	N/A	N/A	12.7	34.6
2	5475	44.03	-3.27	-9.97	54	12.7	34.6

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11a
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5500	91.09	43.79	N/A	N/A	12.7	34.6
2	5475	43.25	-4.05	-10.75	54	12.7	34.6

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11a
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5825	103.24	55.64	N/A	N/A	12.9	34.7
2	5850	54.46	6.86	-19.54	74	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11a
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5825	98.40	50.80	N/A	N/A	12.9	34.7
2	5850	54.00	6.40	-20.00	74	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11a
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5825	96.25	48.65	N/A	N/A	12.9	34.7
2	5850	42.09	-5.51	-11.91	54	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165

Test Mode: 802.11a
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5825	91.65	44.05	N/A	N/A	12.9	34.7
2	5850	41.91	-5.69	-12.09	54	12.9	34.7

Carrier frequency (MHz): 5180 MHz
Channel No.:36
Test Mode: 802.11n (HT20)
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	102.27	55.37	N/A	N/A	12.4	34.5
2	5150	52.56	5.66	-21.44	74	12.4	34.5

Carrier frequency (MHz): 5180
Channel No.:36
Test Mode: 802.11n (HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	97.40	50.50	N/A	N/A	12.4	34.5
2	5150	53.52	6.62	-20.48	74	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11n (HT20)
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	96.15	49.25	N/A	N/A	12.4	34.5
2	5150	40.54	-6.36	-13.46	54	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11n (HT20)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	91.49	44.59	N/A	N/A	12.4	34.5
2	5150	40.0	-6.95	14.05	54	12.4	34.5

Carrier frequency (MHz): 5320 MHz
Channel No.:64
Test Mode: 802.11n (HT20)
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5320	102.58	55.48	N/A	N/A	12.6	34.5
2	5350	52.50	5.40	-21.50	74	12.6	34.5

Carrier frequency (MHz): 5320 MHz
Channel No.:64
Test Mode: 802.11n (HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5320	98.44	51.34	N/A	N/A	12.6	34.5
2	5350	52.34	5.24	-21.66	74	12.6	34.5

Carrier frequency (MHz): 5320 MHz
Channel No.:64
Test Mode: 802.11n (HT20)
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5320	94.47	47.37	N/A	N/A	12.6	34.5
2	5350	42.68	-4.42	-11.32	54	12.6	34.5

Carrier frequency (MHz): 5320 MHz
Channel No.:64
Test Mode: 802.11n (HT20)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5320	89.66	42.56	N/A	N/A	12.6	34.5
2	5350	41.92	-5.18	-12.08	54	12.6	34.5

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11n (HT20)
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5500	101.42	54.12	N/A	N/A	12.7	34.6
2	5475	51.98	4.68	-22.02	74	12.7	34.6

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11n (HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5500	96.96	49.66	N/A	N/A	12.7	34.6
2	5475	51.76	4.46	-22.24	74	12.7	34.6

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11n (HT20)
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5500	94.39	47.09	N/A	N/A	12.7	34.6
2	5475	42.53	-4.77	-11.47	54	12.7	34.6

Carrier frequency (MHz): 5500 MHz
Channel No.:100

Test Mode: 802.11n (HT20)

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5500	89.71	42.41	N/A	N/A	12.7	34.6
2	5475	42.52	-4.78	-11.48	54	12.7	34.6

Carrier frequency (MHz): 5825 MHz

Channel No.:165

Test Mode: 802.11n (HT20)

Polarity:Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5825	102.31	54.71	N/A	N/A	12.9	34.7
2	5850	53.57	5.97	-20.43	74	12.9	34.7

Carrier frequency (MHz): 5825 MHz

Channel No.:165

Test Mode: 802.11n (HT20)

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5825	97.82	50.22	N/A	N/A	12.9	34.7
2	5850	53.01	5.41	-20.99	74	12.9	34.7

Carrier frequency (MHz): 5825 MHz

Channel No.:165

Test Mode: 802.11n (HT20)

Polarity:Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5825	95.38	47.78	N/A	N/A	12.9	34.7
2	5850	41.27	-6.33	-12.73	54	12.9	34.7

Carrier frequency (MHz): 5825 MHz

Channel No.:165

Test Mode: 802.11n (HT20)

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5825	90.87	43.27	N/A	N/A	12.9	34.7
2	5850	41.13	-6.47	-12.87	54	12.9	34.7

Carrier frequency (MHz): 5190 MHz

Channel No.:38

Test Mode: 802.11n (HT40)

Polarity:Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5190	100.95	54.05	N/A	N/A	12.4	34.5
2	5150	51.32	4.42	-22.68	74	12.4	34.5

Carrier frequency (MHz): 5190 MHz

Channel No.:38

Test Mode: 802.11n (HT40)

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5190	96.55	49.65	N/A	N/A	12.4	34.5
2	5150	53.50	6.60	-20.50	74	12.4	34.5

Carrier frequency (MHz): 5190 MHz

Channel No.:38

Test Mode: 802.11n (HT40)

Polarity:Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5190	94.24	47.34	N/A	N/A	12.4	34.5
2	5150	40.38	-6.52	-13.62	54	12.4	34.5

Carrier frequency (MHz): 5190 MHz

Channel No.:38

Test Mode: 802.11n (HT40)

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5190	89.34	42.44	N/A	N/A	12.4	34.5
2	5150	39.8	-7.11	14.21	54	12.4	34.5

Carrier frequency (MHz): 5310 MHz

Channel No.:62

Test Mode: 802.11n (HT40)

Polarity:Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5310	100.12	53.02	N/A	N/A	12.6	34.5
2	5350	50.91	3.81	-23.09	74	12.6	34.5

Carrier frequency (MHz): 5310 MHz

Channel No.:62

Test Mode: 802.11n (HT40)

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5310	95.50	48.40	N/A	N/A	12.6	34.5
2	5350	50.53	3.43	-23.47	74	12.6	34.5

Carrier frequency (MHz): 5310 MHz

Channel No.:62

Test Mode: 802.11n (HT40)

Polarity:Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5310	92.07	44.97	N/A	N/A	12.6	34.5
2	5350	40.92	-6.18	-13.08	54	12.6	34.5

Carrier frequency (MHz): 5310 MHz

Channel No.:62

Test Mode: 802.11n (HT40)

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5310	87.39	40.29	N/A	N/A	12.6	34.5
2	5350	39.94	-7.16	-14.06	54	12.6	34.5

Carrier frequency (MHz): 5510 MHz

Channel No.:102

Test Mode: 802.11n (HT40)

Polarity:Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5510	99.51	52.21	N/A	N/A	12.7	34.6
2	5475	49.41	2.11	-24.59	74	12.7	34.6

Carrier frequency (MHz): 5510 MHz

Channel No.:102

Test Mode: 802.11n (HT40)

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5510	94.92	47.62	N/A	N/A	12.7	34.6
2	5475	48.47	1.17	-25.53	74	12.7	34.6

Carrier frequency (MHz): 5510 MHz

Channel No.:102

Test Mode: 802.11n (HT40)

Polarity:Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5510	92.90	45.60	N/A	N/A	12.7	34.6
2	5475	40.80	-6.50	-13.20	54	12.7	34.6

Carrier frequency (MHz): 5510 MHz

Channel No.:102

Test Mode: 802.11n (HT40)

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5510	88.54	41.24	N/A	N/A	12.7	34.6
2	5475	39.80	-7.50	-14.20	54	12.7	34.6

Carrier frequency (MHz): 5795 MHz

Channel No.:159

Test Mode: 802.11n (HT40)

Polarity:Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5795	100.15	52.55	N/A	N/A	12.9	34.7
2	5850	51.41	3.81	-22.59	74	12.9	34.7

Carrier frequency (MHz): 5795 MHz

Channel No.:159

Test Mode: 802.11n (HT40)

Polarity:Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5795	95.63	48.03	N/A	N/A	12.9	34.7
2	5850	51.38	3.78	-22.62	74	12.9	34.7

Carrier frequency (MHz): 5795 MHz

Channel No.:159

Test Mode: 802.11n (HT40)

Polarity:Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5795	93.64	46.04	N/A	N/A	12.9	34.7
2	5850	39.32	-8.28	-14.68	54	12.9	34.7

Carrier frequency (MHz): 5795 MHz

Channel No.:159

Test Mode: 802.11n (HT40)

Polarity:Horizontal

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5795	89.35	41.75	N/A	N/A	12.9	34.7
2	5850	39.32	-8.28	-14.68	54	12.9	34.7

Sample Calculations

Determining Spurious Emissions Levels

A “reference path loss” is established and the A_{Rpl} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{mea}} + A_{Rpl}$$

Sample calculation: $(23.69\text{dB}\mu\text{V/m}) = (44.79\text{dB}\mu\text{V}) + (-21.1\text{dB/m})$, the corresponding frequency is 30.291000MHz.

The worst case attitude: The eut lay down.

Carrier frequency (MHz): 5180 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
30.291000	23.69	40.00	Vertical	-21.1	44.79
59.876000	18.13	40.00	Vertical	-18.4	36.53
70.303500	29.99	40.00	Vertical	-21.7	51.69
71.807000	28.27	40.00	Vertical	-22.0	50.27
72.292000	27.60	40.00	Vertical	-22.2	49.80
941.509000	20.03	46.00	Vertical	-1.0	21.03

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
30.000000	24.02	40.00	Vertical	-21.2	45.22
55.220000	19.22	40.00	Vertical	-17.8	37.02
58.178500	19.15	40.00	Vertical	-18.2	37.35
59.148500	18.55	40.00	Vertical	-18.3	36.85
59.391000	18.66	40.00	Vertical	-18.3	36.96
69.964000	30.18	40.00	Vertical	-21.6	51.78

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
30.000000	24.05	40	Vertical	-21.2	45.25
55.220000	19.95	40	Vertical	-17.8	37.75
58.178500	20.01	40	Vertical	-18.2	38.21
59.148500	19.44	40	Vertical	-18.3	37.74
59.391000	18.71	40	Vertical	-18.3	37.01

69.964000	30.28	40	Vertical	-21.6	51.88
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Carrier frequency (MHz): 5200 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
59.342500	22.99	40.00	Vertical	-18.3	41.29
59.973000	23.12	40.00	Vertical	-18.4	41.52
70.594500	31.45	40.00	Vertical	-21.8	53.25
72.389000	30.76	40.00	Vertical	-22.2	52.96
73.601500	28.67	40.00	Vertical	-22.5	51.17
74.523000	26.73	40.00	Vertical	-22.7	49.43

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
30.000000	23.8	40	Vertical	-21.2	45.00
56.335500	21.11	40	Vertical	-17.9	39.01
59.633500	23.49	40	Vertical	-18.4	41.89
60.458000	23.19	40	Vertical	-18.6	41.79
61.040000	22.74	40	Vertical	-18.8	41.54
70.643000	31.57	40	Vertical	-21.8	53.37

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
58.130000	24.10	40.00	Vertical	-18.2	42.30
58.857500	23.97	40.00	Vertical	-18.3	42.27
60.555000	23.76	40.00	Vertical	-18.6	42.36
65.259500	24.79	40.00	Vertical	-20.1	44.89
70.837000	31.42	40.00	Vertical	-21.8	53.22
75.687000	25.00	40.00	Vertical	-23.0	48.00

Carrier frequency (MHz): 5240 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
58.615000	24.72	40.00	Vertical	-18.2	42.92
59.585000	24.68	40.00	Vertical	-18.4	43.08
61.767500	23.38	40.00	Vertical	-19.0	42.38
72.292000	31.44	40.00	Vertical	-22.2	53.64
73.310500	30.23	40.00	Vertical	-22.4	52.63
75.687000	25.69	40.00	Vertical	-23.0	48.69

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
59.779000	24.81	40.00	Vertical	-18.4	43.21
59.924500	24.70	40.00	Vertical	-18.4	43.10
72.001000	31.68	40.00	Vertical	-22.1	53.78
73.989500	29.33	40.00	Vertical	-22.6	51.93
74.668500	27.90	40.00	Vertical	-22.7	50.60
75.250500	26.26	40.00	Vertical	-22.8	49.06

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
58.227000	19.33	40.00	Vertical	-18.2	37.53
66.520500	25.33	40.00	Vertical	-20.5	45.83
71.516000	26.23	40.00	Vertical	-22.0	48.23
73.019500	25.50	40.00	Vertical	-22.3	47.80
74.474500	24.87	40.00	Vertical	-22.7	47.57
172.832500	22.32	43.50	Vertical	-20.5	42.82

Carrier frequency (MHz): 5260 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
58.178500	25.54	40.00	Vertical	-18.2	43.74
65.647500	22.98	40.00	Vertical	-20.3	43.28
66.084000	23.90	40.00	Vertical	-20.4	44.30
70.740000	32.13	40.00	Vertical	-21.8	53.93
73.601500	28.99	40.00	Vertical	-22.5	51.49
76.511500	19.78	40.00	Vertical	-23.1	42.88

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
30.145500	20.88	40.00	Vertical	-21.1	41.98
68.460500	29.11	40.00	Vertical	-21.2	50.31
74.135000	19.36	40.00	Vertical	-22.6	41.96
75.444500	19.50	40.00	Vertical	-22.9	42.40
891.166000	19.45	46.00	Vertical	-1.7	21.15
914.009500	19.77	46.00	Vertical	-1.3	21.07

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
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30.776000	19.40	40.00	Vertical	-20.9	40.30
54.298500	17.78	40.00	Vertical	-17.7	35.48
68.557500	29.56	40.00	Vertical	-21.2	50.76
73.116500	21.34	40.00	Vertical	-22.3	43.64
73.795500	17.56	40.00	Vertical	-22.5	40.06
942.915500	19.98	46.00	Vertical	-0.9	20.88

Carrier frequency (MHz): 5280 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
66.035500	25.55	40.00	Vertical	-20.4	45.95
70.303500	28.91	40.00	Vertical	-21.7	50.61
172.396000	20.91	40.00	Vertical	-20.5	41.41
933.603500	19.88	43.50	Vertical	-1.0	20.88
939.278000	19.87	43.50	Vertical	-1.0	20.87
941.121000	19.99	43.50	Vertical	-1.0	20.99

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
56.190000	18.00	40.00	Vertical	-17.9	35.90
57.887500	20.64	40.00	Vertical	-18.1	38.74
61.282500	19.70	40.00	Vertical	-18.8	38.50
62.058500	20.01	40.00	Vertical	-19.1	39.11
66.811500	24.20	40.00	Vertical	-20.6	44.80
70.400500	29.50	40.00	Vertical	-21.7	51.20

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
60.943000	17.74	40.00	Vertical	-18.7	36.44
62.252500	18.33	40.00	Vertical	-19.2	37.53
63.125500	15.28	40.00	Vertical	-19.5	34.78
64.871500	22.92	40.00	Vertical	-20.0	42.92
65.938500	24.21	40.00	Vertical	-20.4	44.61
70.449000	28.79	40.00	Vertical	-21.7	50.49

Carrier frequency (MHz): 5320 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
57.936000	19.12	40.00	Vertical	-18.1	37.22
70.303500	28.78	40.00	Vertical	-21.7	50.48
78.112000	10.88	40.00	Vertical	-23.5	34.38
897.374000	19.61	46.00	Vertical	-1.6	21.21
933.603500	19.93	46.00	Vertical	-1.0	20.93
955.574000	20.16	46.00	Vertical	-0.8	20.96

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
55.026000	18.23	40.00	Vertical	-17.8	36.03
56.917500	18.44	40.00	Vertical	-18.0	36.44
57.548000	18.58	40.00	Vertical	-18.1	36.68
57.936000	17.27	40.00	Vertical	-18.1	35.37
68.072500	29.00	40.00	Vertical	-21.0	50.00
74.474500	21.82	40.00	Vertical	-22.7	44.52

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
61.137000	14.57	40.00	Vertical	-18.8	33.37
64.289500	21.39	40.00	Vertical	-19.8	41.19
64.629000	23.02	40.00	Vertical	-19.9	42.92
70.497500	23.13	40.00	Vertical	-21.7	44.83
70.643000	27.88	40.00	Vertical	-21.8	49.68
75.784000	17.08	40.00	Vertical	-23.0	40.08

Carrier frequency (MHz): 5500 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
69.236500	27.46	40.00	Vertical	-21.4	48.86
70.400500	23.64	40.00	Vertical	-21.7	45.34
70.497500	28.29	40.00	Vertical	-21.7	49.99
71.031000	19.45	40.00	Vertical	-21.9	41.35
71.176500	17.92	40.00	Vertical	-21.9	39.82
74.329000	22.09	40.00	Vertical	-22.6	44.69

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
55.026000	16.96	40.00	Vertical	-17.8	34.76
66.229500	28.12	40.00	Vertical	-20.4	48.52
71.758500	25.16	40.00	Vertical	-22.0	47.16
72.534500	22.14	40.00	Vertical	-22.2	44.34
76.463000	20.57	40.00	Vertical	-23.1	43.67
78.112000	20.98	40.00	Vertical	-23.5	44.48

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
30.727500	16.36	40.00	Vertical	-20.9	37.26
64.532000	24.97	40.00	Vertical	-19.9	44.87
74.765500	25.25	40.00	Vertical	-22.7	47.95
89.994500	13.56	43.50	Vertical	-20.6	34.16
172.687000	18.13	43.50	Vertical	-20.5	38.63
928.947500	19.82	46.00	Vertical	-1.1	20.92

Carrier frequency (MHz): 5600 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
57.451000	20.06	40.00	Vertical	-18.1	38.16
64.047000	23.27	40.00	Vertical	-19.8	43.07
70.109500	25.40	40.00	Vertical	-21.7	47.10
74.135000	25.71	40.00	Vertical	-22.6	48.31
165.606000	17.67	43.50	Vertical	-20.9	38.57
933.603500	19.94	46.00	Vertical	-1.0	20.94

For 802.11n(HT20) Channel No.:157

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
58.324000	19.54	40.00	Vertical	-18.2	37.74
62.640500	24.37	40.00	Vertical	-19.3	43.67
69.673000	23.35	40.00	Vertical	-21.5	44.85
70.303500	26.30	40.00	Vertical	-21.7	48.00
74.135000	25.58	40.00	Vertical	-22.6	48.18
933.797500	19.90	46.00	Vertical	-1.0	20.90

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
31.552000	15.52	40.00	Vertical	-20.7	36.22
63.707500	23.16	40.00	Vertical	-19.6	42.76

70.061000	25.83	40.00	Vertical	-21.7	47.53
75.638500	24.39	40.00	Vertical	-22.9	47.29
165.606000	17.22	43.50	Vertical	-20.9	38.12
983.316000	20.33	54.00	Vertical	-0.5	20.83

Carrier frequency (MHz): 5700 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
42.08	17.77	40.00	V	-17.90	35.67
80.93	21.61	40.00	V	-23.60	45.21
171.04	11.23	43.50	V	-20.60	31.83
308.78	10.37	46.00	V	-14.80	25.17
540.80	13.76	46.00	V	-8.20	21.96
934.09	19.78	46.00	V	-1.00	20.78

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
36.55	15.38	40.00	V	-19.20	34.58
66.47	19.87	40.00	V	-20.50	40.37
81.46	22.56	40.00	V	-23.50	46.06
169.63	11.09	43.50	V	-20.70	31.79
551.96	14.12	46.00	V	-7.90	22.02
956.69	19.98	46.00	V	-0.80	20.78

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
39.02	15.47	40.00	V	-18.50	33.97
66.42	21.97	40.00	V	-20.50	42.47
81.17	21.35	40.00	V	-23.60	44.95
171.28	12.62	43.50	V	-20.60	33.22
490.85	13.07	46.00	V	-9.50	22.57
908.82	19.60	46.00	V	-1.30	20.90

Carrier frequency (MHz): 5745 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
44.40	15.38	40.00	V	-17.60	32.98
66.62	22.04	40.00	V	-20.60	42.64
81.56	21.44	40.00	V	-23.40	44.84
169.68	12.52	43.50	V	-20.70	33.22
547.83	13.87	46.00	V	-8.00	21.87
903.24	19.51	46.00	V	-1.40	20.91

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
41.45	18.02	40.00	V	-18.00	36.02
66.52	22.22	40.00	V	-20.50	42.72
84.51	21.98	40.00	V	-22.40	44.38
170.46	12.77	43.50	V	-20.60	33.37
309.75	10.62	46.00	V	-14.80	25.42
947.86	19.86	46.00	V	-0.90	20.76

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
36.69	15.76	40.00	V	-19.20	34.96
66.52	22.39	40.00	V	-20.50	42.89
84.66	21.38	40.00	V	-22.40	43.78
170.50	12.75	43.50	V	-20.60	33.35
514.32	13.29	46.00	V	-8.90	22.19
954.99	19.98	46.00	V	-0.80	20.78

Carrier frequency (MHz): 5785 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
47.36	13.31	40.00	Vertical	-17.30	30.61
66.71	23.88	40.00	Vertical	-20.60	44.48
84.71	21.14	40.00	Vertical	-22.30	43.44
173.22	11.69	43.50	Vertical	-20.50	32.19
513.93	13.34	46.00	Vertical	-8.90	22.24
944.42	19.83	46.00	Vertical	-0.90	20.73

For 802.11n(HT20)

Frequency	Result	Limit	Polarity	ARpl	Pmea
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(MHz)	(dBuV/m)	(dBuV/m)		(dB)	(dBuV/m)
38.78	15.22	40.00	Vertical	-18.50	33.72
66.62	24.16	40.00	Vertical	-20.60	44.76
85.24	21.66	40.00	Vertical	-22.20	43.86
170.46	13.02	43.50	Vertical	-20.60	33.62
499.09	13.10	46.00	Vertical	-9.30	22.40
947.62	19.91	46.00	Vertical	-0.90	20.81

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
40.33	14.66	40.00	Vertical	-18.10	32.76
84.51	21.86	40.00	Vertical	-22.40	44.26
170.55	11.50	43.50	Vertical	-20.60	32.10
306.06	10.05	46.00	Vertical	-14.90	24.95
549.68	14.02	46.00	Vertical	-7.90	21.92
925.41	19.72	46.00	Vertical	-1.10	20.82

Carrier frequency (MHz): 5825 MHz

For 802.11a

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
44.16	14.95	40.00	Vertical	-17.60	32.55
64.34	19.78	40.00	Vertical	-19.80	39.58
81.41	22.17	40.00	Vertical	-23.50	45.67
169.00	11.08	43.50	Vertical	-20.70	31.78
546.67	14.05	46.00	Vertical	-8.00	22.05
909.69	19.50	46.00	Vertical	-1.30	20.80

For 802.11n(HT20)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
42.56	15.94	40.00	Vertical	-17.80	33.74
81.12	21.91	40.00	Vertical	-23.60	45.51
169.34	11.28	43.50	Vertical	-20.70	31.98
310.33	10.38	46.00	Vertical	-14.80	25.18
538.43	13.93	46.00	Vertical	-8.20	22.13
936.27	19.73	46.00	Vertical	-1.00	20.73

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
41.59	17.74	40.00	Vertical	-18.00	35.74
63.80	19.52	40.00	Vertical	-19.70	39.22
81.51	22.19	40.00	Vertical	-23.40	45.59
169.00	11.34	43.50	Vertical	-20.70	32.04
552.15	14.11	46.00	Vertical	-7.90	22.01
946.55	19.83	46.00	Vertical	-0.90	20.73

Carrier frequency (MHz): 5190 MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
37.23	15.11	40.00	Vertical	-19.00	34.11
81.46	22.22	40.00	Vertical	-23.50	45.72
171.91	10.86	43.50	Vertical	-20.50	31.36
291.56	9.34	46.00	Vertical	-15.40	24.74
534.06	13.72	46.00	Vertical	-8.40	22.12
950.63	19.88	46.00	Vertical	-0.90	20.78

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
36.79	15.75	40.00	Vertical	-19.20	34.95
63.71	19.40	40.00	Vertical	-19.60	39.00
81.46	22.14	40.00	Vertical	-23.50	45.64
171.96	11.17	43.50	Vertical	-20.50	31.67
554.29	14.02	46.00	Vertical	-7.80	21.82
875.65	19.10	46.00	Vertical	-1.90	21.00

Carrier frequency (MHz): 5230 MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
38.97	15.78	40.00	Vertical	-18.50	34.28
64.77	19.64	40.00	Vertical	-20.00	39.64
81.41	21.97	40.00	Vertical	-23.50	45.47
171.77	11.02	43.50	Vertical	-20.50	31.52
546.33	13.93	46.00	Vertical	-8.00	21.93
915.76	19.55	46.00	Vertical	-1.20	20.75

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
43.97	15.73	40.00	Vertical	-17.70	33.43
81.85	21.65	40.00	Vertical	-23.30	44.95
168.56	10.94	43.50	Vertical	-20.70	31.64
309.75	10.42	46.00	Vertical	-14.80	25.22
549.53	13.95	46.00	Vertical	-8.00	21.95
912.26	19.50	46.00	Vertical	-1.30	20.80

Carrier frequency (MHz): 5270MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
38.05	16.17	40.00	Vertical	-18.80	34.97
81.36	21.90	40.00	Vertical	-23.50	45.40
171.86	10.91	43.50	Vertical	-20.50	31.41
214.15	6.30	43.50	Vertical	-18.00	24.30
517.81	13.49	46.00	Vertical	-8.80	22.29
935.64	19.73	46.00	Vertical	-1.00	20.73

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
42.32	15.99	40.00	Vertical	-17.90	33.89
65.41	19.14	40.00	Vertical	-20.20	39.34
81.46	21.85	40.00	Vertical	-23.50	45.35
169.34	11.74	43.50	Vertical	-20.70	32.44
510.00	13.19	46.00	Vertical	-9.00	22.19
931.71	19.75	46.00	Vertical	-1.10	20.85

Carrier frequency (MHz): 5310MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
41.88	17.18	40.00	Vertical	-17.90	35.08
64.05	19.15	40.00	Vertical	-19.80	38.95
84.56	21.23	40.00	Vertical	-22.40	43.63
169.58	11.77	43.50	Vertical	-20.70	32.47
543.91	13.93	46.00	Vertical	-8.10	22.03
884.72	19.24	46.00	Vertical	-1.80	21.04

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
43.10	16.94	40.00	Vertical	-17.80	34.74
81.36	21.49	40.00	Vertical	-23.50	44.99
170.46	12.16	43.50	Vertical	-20.60	32.76
310.57	10.60	46.00	Vertical	-14.80	25.40
442.25	12.43	46.00	Vertical	-10.70	23.13
952.81	19.85	46.00	Vertical	-0.80	20.65

Carrier frequency (MHz): 5510 MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
43.29	16.95	40.00	Vertical	-17.80	34.75
66.38	20.11	40.00	Vertical	-20.50	40.61
81.51	21.68	40.00	Vertical	-23.40	45.08
169.53	11.74	43.50	Vertical	-20.70	32.44
524.36	13.57	46.00	Vertical	-8.70	22.27
951.26	19.89	46.00	Vertical	-0.80	20.69

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
39.55	16.76	40.00	Vertical	-18.30	35.06
81.51	21.69	40.00	Vertical	-23.40	45.09
168.95	11.82	43.50	Vertical	-20.70	32.52
286.03	9.48	46.00	Vertical	-15.50	24.98
545.22	14.00	46.00	Vertical	-8.10	22.10
937.92	19.76	46.00	Vertical	-1.00	20.76

Carrier frequency (MHz): 5590 MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
41.83	18.42	40.00	Vertical	-17.90	36.32
66.42	19.90	40.00	Vertical	-20.50	40.40
81.51	21.75	40.00	Vertical	-23.40	45.15
167.55	10.59	43.50	Vertical	-20.80	31.39
548.17	13.90	46.00	Vertical	-8.00	21.90
915.08	19.54	46.00	Vertical	-1.30	20.84

For 802.11ac

Frequency	Result	Limit	Polarity	ARpl	Pmea
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(MHz)	(dBuV/m)	(dBuV/m)		(dB)	(dBuV/m)
43.19	16.55	40.00	Vertical	-17.80	34.35
84.51	21.34	40.00	Vertical	-22.40	43.74
169.20	11.49	43.50	Vertical	-20.70	32.19
309.85	10.47	46.00	Vertical	-14.80	25.27
525.48	13.68	46.00	Vertical	-8.70	22.38
900.91	19.48	46.00	Vertical	-1.50	20.98

Carrier frequency (MHz): 5670MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
41.30	17.66	40.00	Vertical	-18.00	35.66
81.31	21.54	40.00	Vertical	-23.50	45.04
170.50	11.85	43.50	Vertical	-20.60	32.45
305.77	10.10	46.00	Vertical	-14.90	25.00
517.43	13.43	46.00	Vertical	-8.80	22.23
943.84	19.77	46.00	Vertical	-0.90	20.67

Channel No.:157

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
41.69	18.49	40.00	Vertical	-17.90	36.39
81.12	21.59	40.00	Vertical	-23.60	45.19
170.17	11.59	43.50	Vertical	-20.60	32.19
304.90	9.96	46.00	Vertical	-15.00	24.96
556.81	14.12	46.00	Vertical	-7.80	21.92
954.22	19.95	46.00	Vertical	-0.80	20.75

Carrier frequency (MHz): 5755 MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
43.82	15.97	40.00	Vertical	-17.70	33.67
66.57	25.68	40.00	Vertical	-20.60	46.28
170.17	13.12	43.50	Vertical	-20.60	33.72
173.51	11.62	43.50	Vertical	-20.40	32.02
542.69	13.87	46.00	Vertical	-8.10	21.97
898.05	19.54	46.00	Vertical	-1.50	21.04

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
44.99	15.58	40.00	Vertical	-17.60	33.18

66.52	25.19	40.00	Vertical	-20.50	45.69
170.89	12.99	43.50	Vertical	-20.60	33.59
178.75	10.33	43.50	Vertical	-20.20	30.53
547.06	13.96	46.00	Vertical	-8.00	21.96
926.72	19.75	46.00	Vertical	-1.10	20.85

Carrier frequency (MHz): 5510 MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
44.55	16.18	40.00	Vertical	-17.60	33.78
63.51	23.08	40.00	Vertical	-19.60	42.68
84.51	22.09	40.00	Vertical	-22.40	44.49
170.94	12.96	43.50	Vertical	-20.60	33.56
548.56	13.92	46.00	Vertical	-8.00	21.92
896.84	19.42	46.00	Vertical	-1.60	21.02

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
40.52	14.33	40.00	Vertical	-18.10	32.43
66.38	24.70	40.00	Vertical	-20.50	45.20
84.85	22.03	40.00	Vertical	-22.30	44.33
170.60	12.90	43.50	Vertical	-20.60	33.50
540.51	13.79	46.00	Vertical	-8.20	21.99
906.64	19.53	46.00	Vertical	-1.40	20.93

Carrier frequency (MHz): 5795 MHz

For 802.11n(HT40)

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
42.27	17.42	40.00	Vertical	-17.90	35.32
66.28	24.16	40.00	Vertical	-20.50	44.66
85.97	21.49	40.00	Vertical	-21.90	43.39
170.31	12.82	43.50	Vertical	-20.60	33.42
536.78	13.83	46.00	Vertical	-8.30	22.13
905.38	19.51	46.00	Vertical	-1.40	20.91

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
43.73	14.90	40.00	Vertical	-17.70	32.60
80.97	21.56	40.00	Vertical	-23.60	45.16
168.37	9.99	43.50	Vertical	-20.70	30.69
310.18	9.84	46.00	Vertical	-14.80	24.64

545.41	14.00	46.00	Vertical	-8.10	22.10
926.47	19.70	46.00	Vertical	-1.10	20.80

Carrier frequency (MHz): 5210 MHz

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
42.22	17.72	40.00	Vertical	-17.90	35.62
66.62	18.27	40.00	Vertical	-20.60	38.87
84.51	21.36	40.00	Vertical	-22.40	43.76
172.11	10.46	43.50	Vertical	-20.50	30.96
551.33	14.12	46.00	Vertical	-7.90	22.02
957.27	19.91	46.00	Vertical	-0.80	20.71

Carrier frequency (MHz): 5290 MHz

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
47.85	9.02	40.00	Vertical	-17.30	26.32
81.56	21.63	40.00	Vertical	-23.40	45.03
170.84	11.43	43.50	Vertical	-20.60	32.03
310.43	10.37	46.00	Vertical	-14.80	25.17
528.05	13.55	46.00	Vertical	-8.60	22.15
916.53	19.50	46.00	Vertical	-1.20	20.70

Carrier frequency (MHz): 5530 MHz

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
36.45	16.70	40.00	Vertical	-19.30	36.00
66.81	19.23	40.00	Vertical	-20.60	39.83
81.51	21.67	40.00	Vertical	-23.40	45.07
170.46	12.21	43.50	Vertical	-20.60	32.81
520.97	13.37	46.00	Vertical	-8.80	22.17
958.44	19.89	46.00	Vertical	-0.80	20.69

Carrier frequency (MHz): 5610 MHz

For 802.11ac

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
46.44	12.24	40.00	Vertical	-17.40	29.64
81.41	21.87	40.00	Vertical	-23.50	45.37
171.18	11.52	43.50	Vertical	-20.60	32.12
270.32	8.65	46.00	Vertical	-15.90	24.55
518.35	13.49	46.00	Vertical	-8.80	22.29
905.28	19.49	46.00	Vertical	-1.40	20.89

Carrier frequency (MHz): 5775 MHz

For 802.11ac

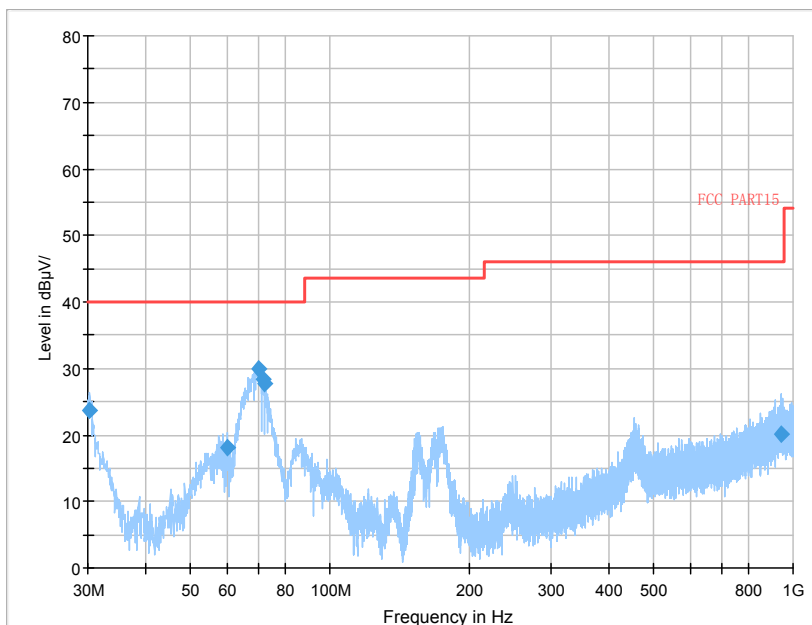
Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
44.02	16.62	40.00	Vertical	-17.70	34.32
81.51	21.64	40.00	Vertical	-23.40	45.04
169.15	11.43	43.50	Vertical	-20.70	32.13
304.07	9.93	46.00	Vertical	-15.00	24.93
521.26	13.31	46.00	Vertical	-8.80	22.11
910.32	19.47	46.00	Vertical	-1.30	20.77

Test with secondary supply worst point:

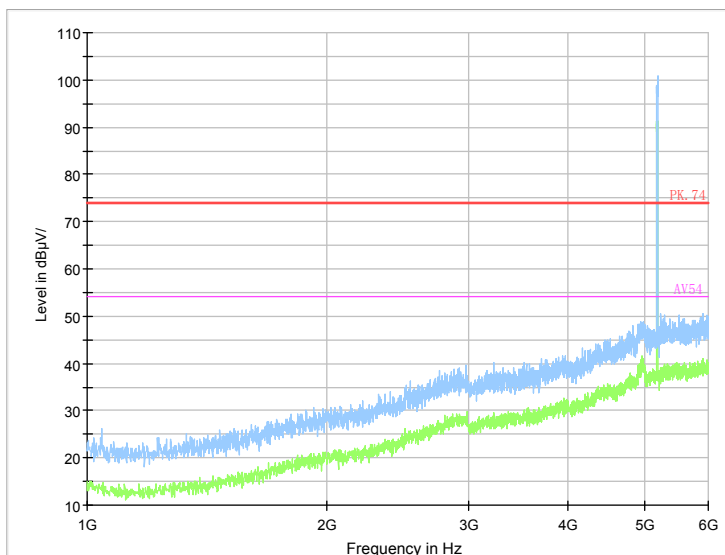
Channel No.:157

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Polarity	ARpl (dB)	Pmea (dBuV/m)
61.137000	18.93	40.00	Vertical	-18.8	42.34
65.259500	22.21	40.00	Vertical	-20.1	45.16
69.382000	22.24	40.00	Vertical	-21.4	47.98
70.691500	18.98	40.00	Vertical	-21.8	48.89
75.250500	24.22	40.00	Vertical	-22.8	52.45
78.015000	17.06	40.00	Vertical	-23.5	54.52

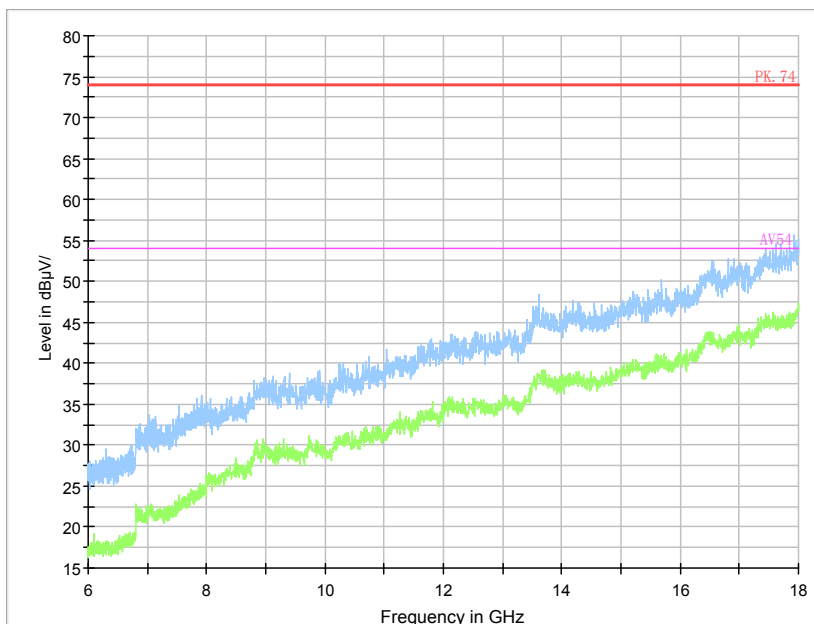
Carrier frequency (MHz): 5180 MHz
 For 802.11a



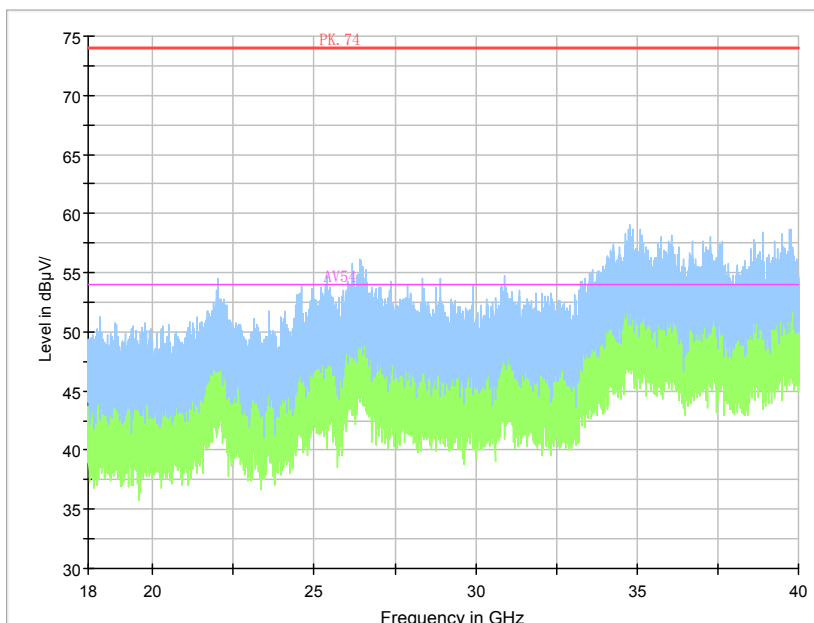
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

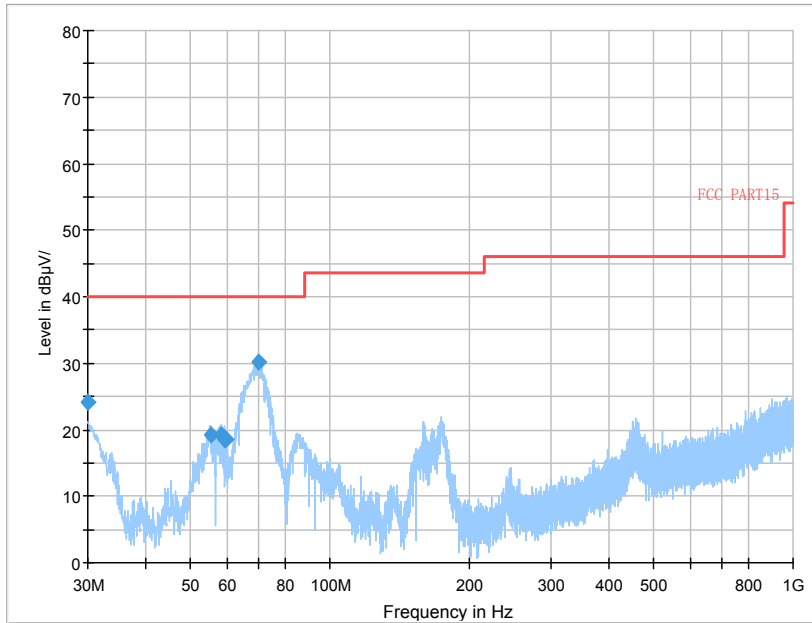


Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

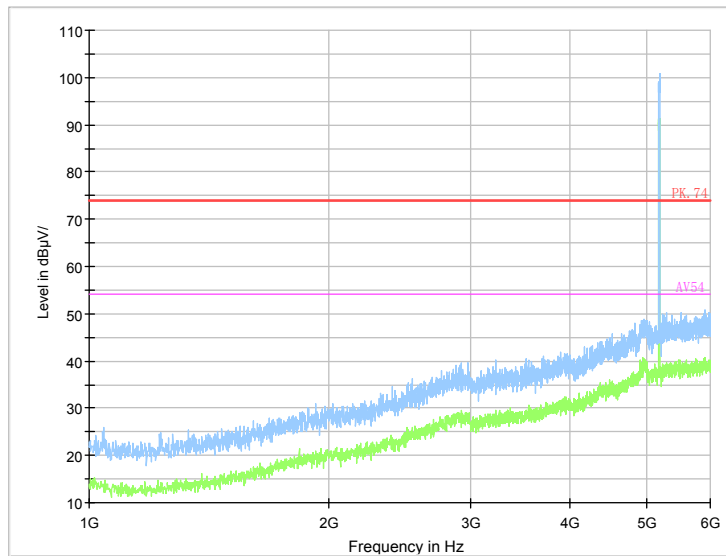


Frequency Range: 18GHz - 40GHz
 Detector: Av mode and PK mode

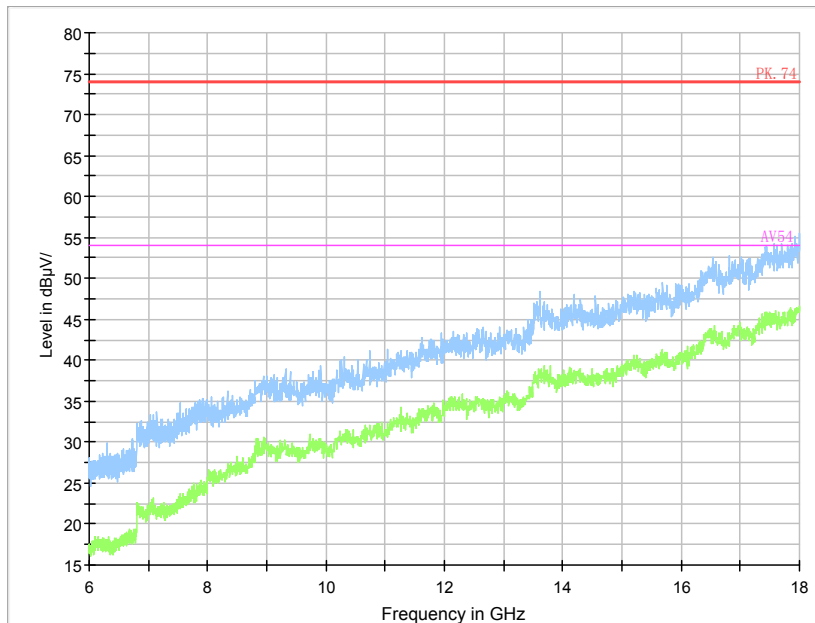
For 802.11n(HT20)



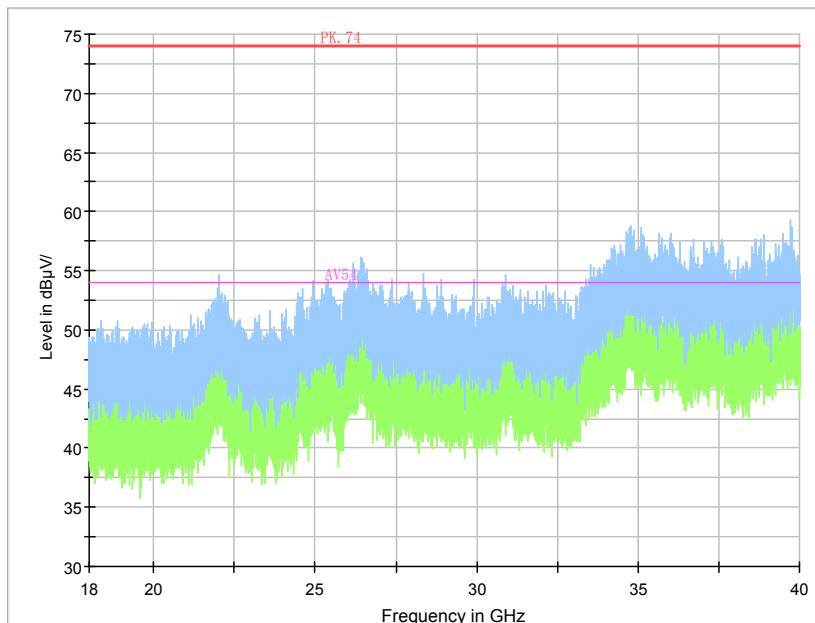
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

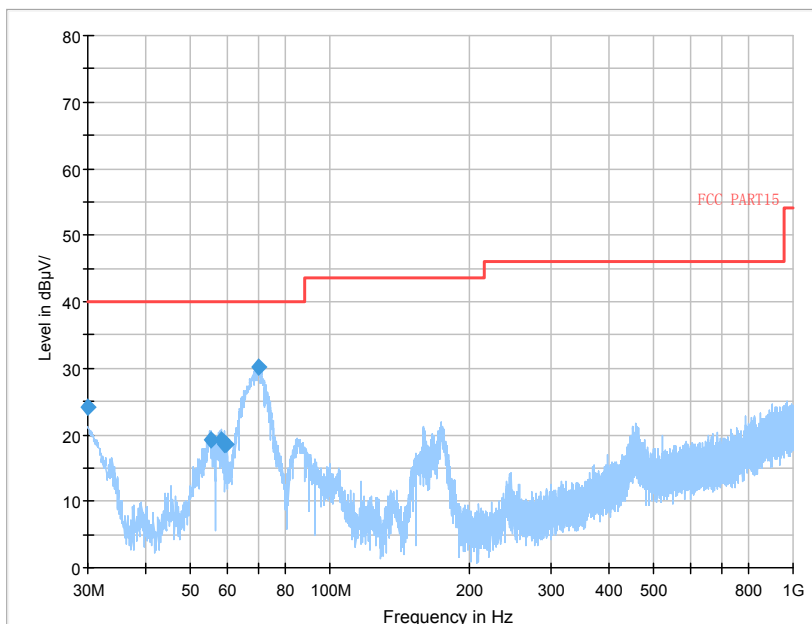


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode

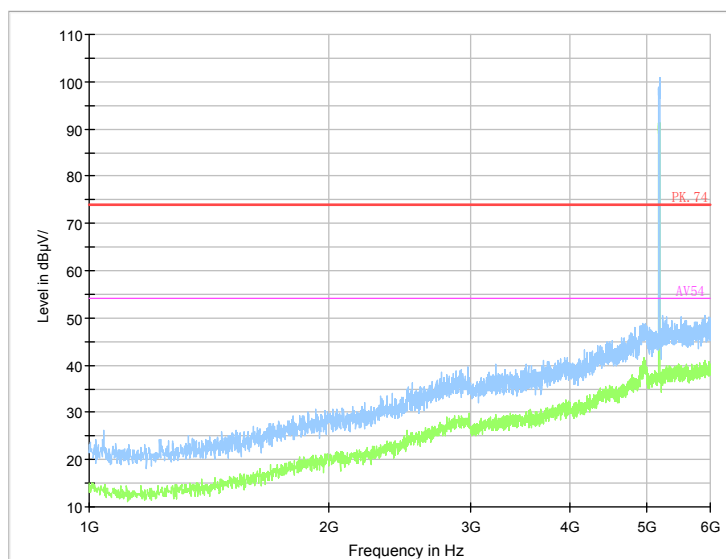


Frequency Range: 18GHz - 40GHz
Detector: Av mode and PK mode

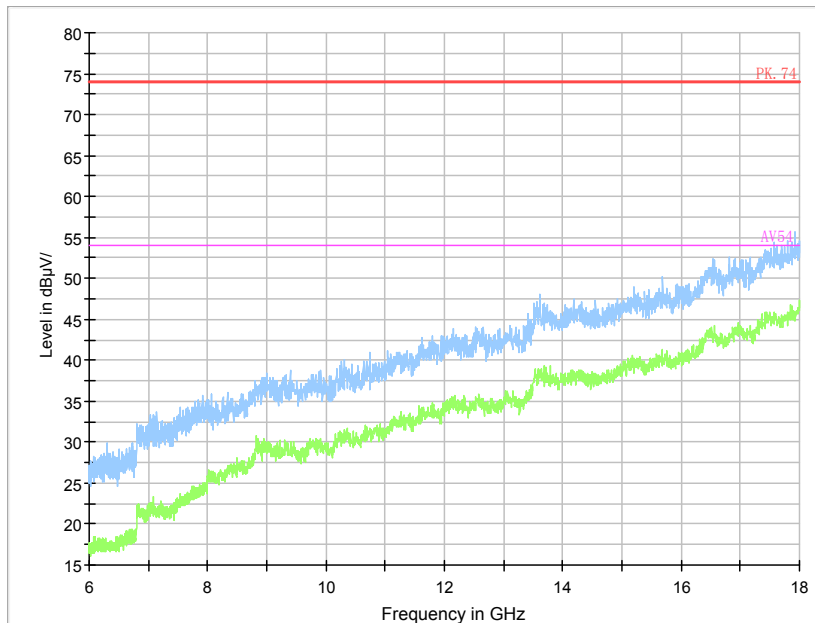
For 802.11ac



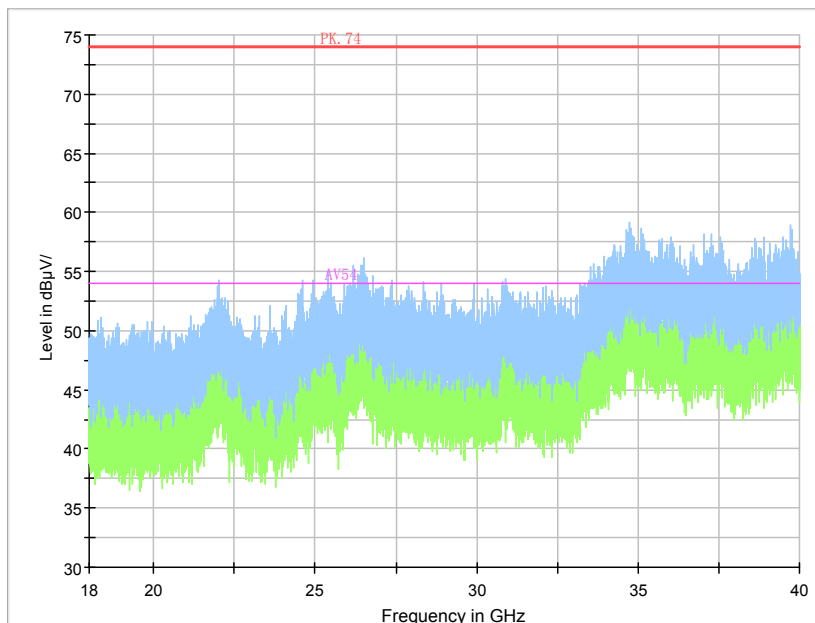
Frequency Range: 30MHz -1GHz
Detector: QP mode



Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode

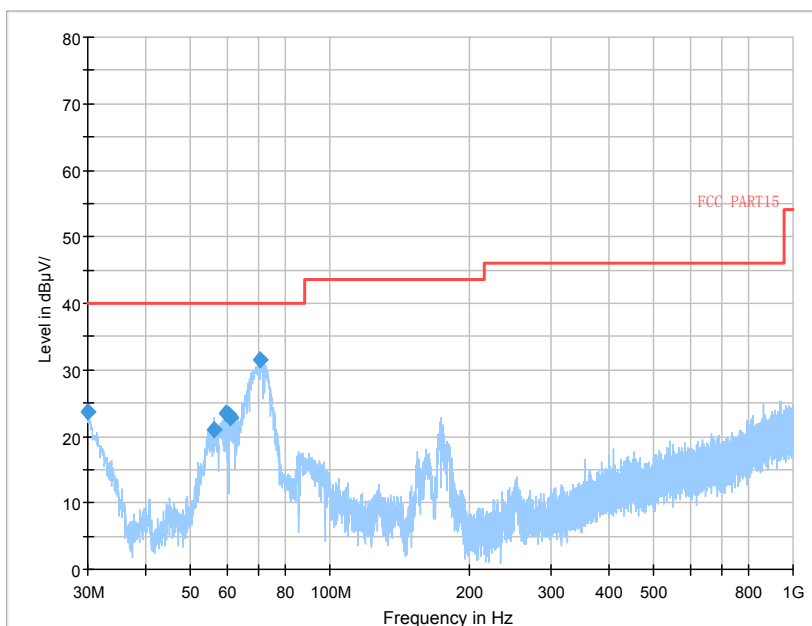


Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

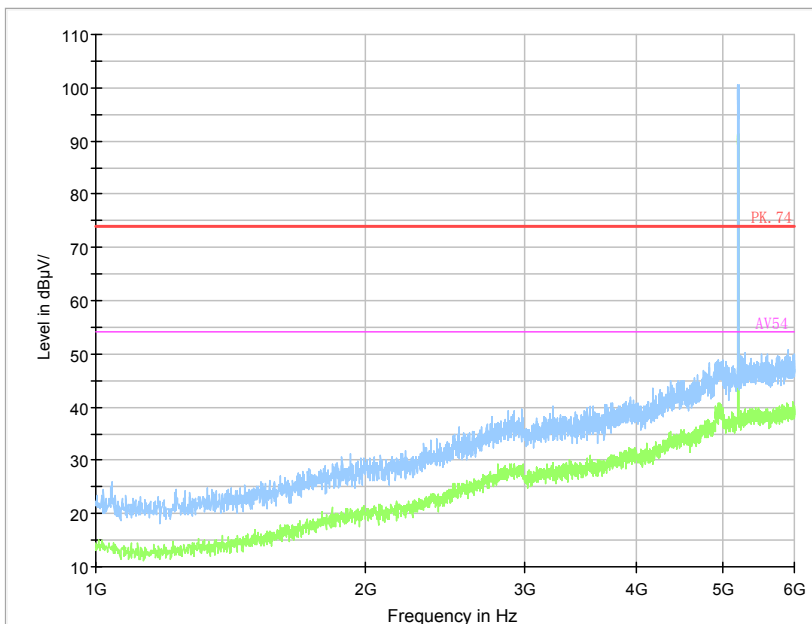


Frequency Range: 18GHz - 40GHz
 Detector: Av mode and PK mode

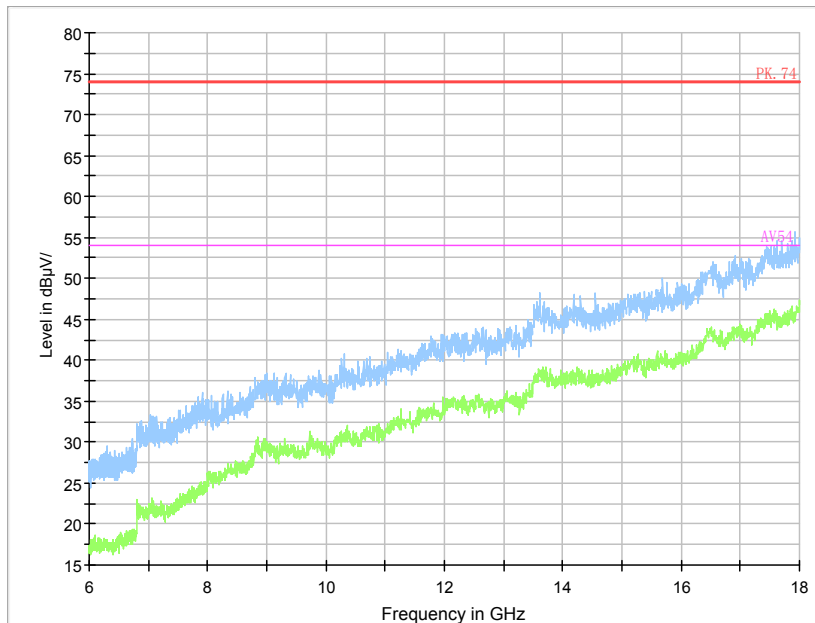
Carrier frequency (MHz): 5200 MHz
 For 802.11a



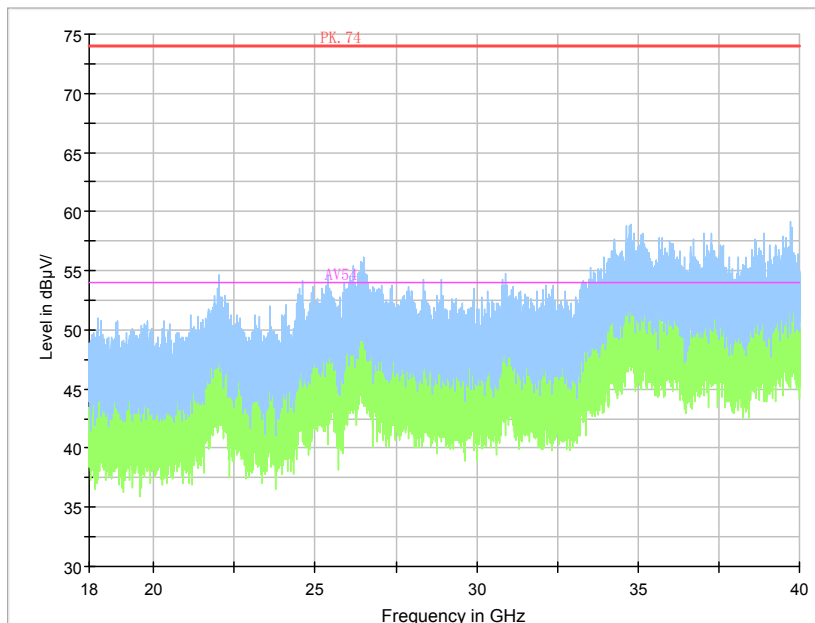
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

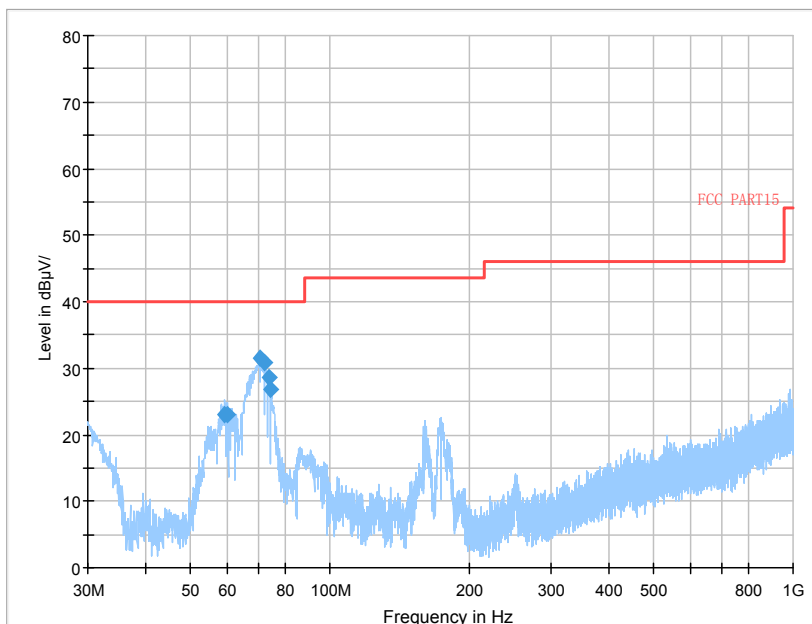


Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

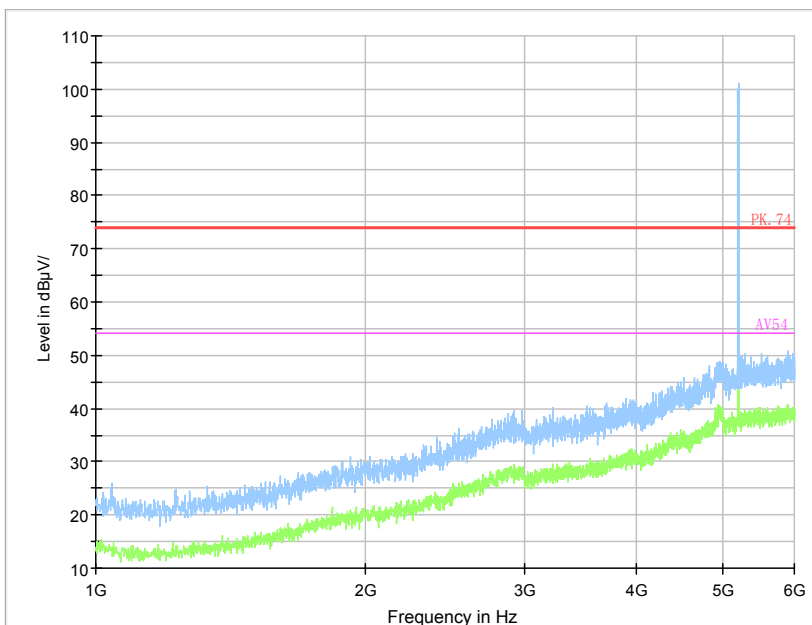


Frequency Range: 18GHz - 40GHz
 Detector: Av mode and PK mode

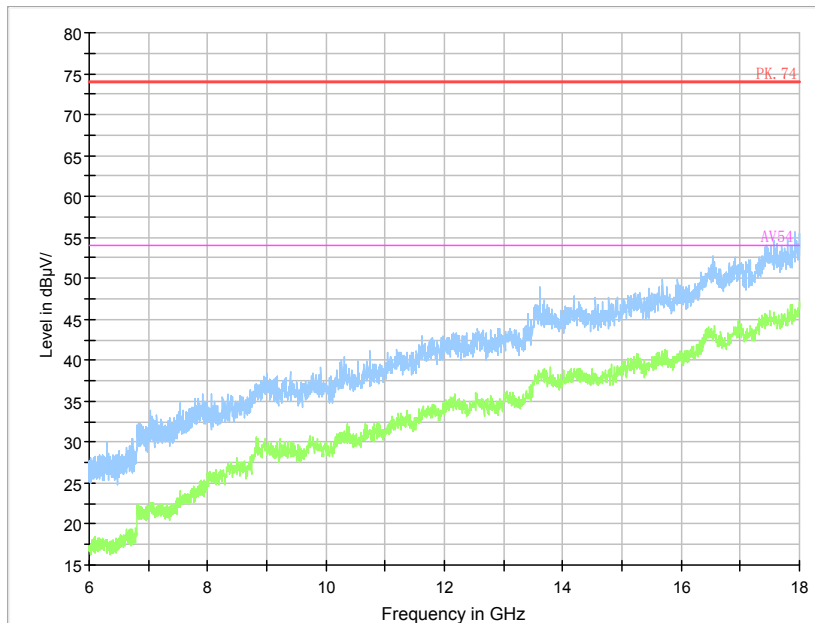
For 802.11n(HT20)



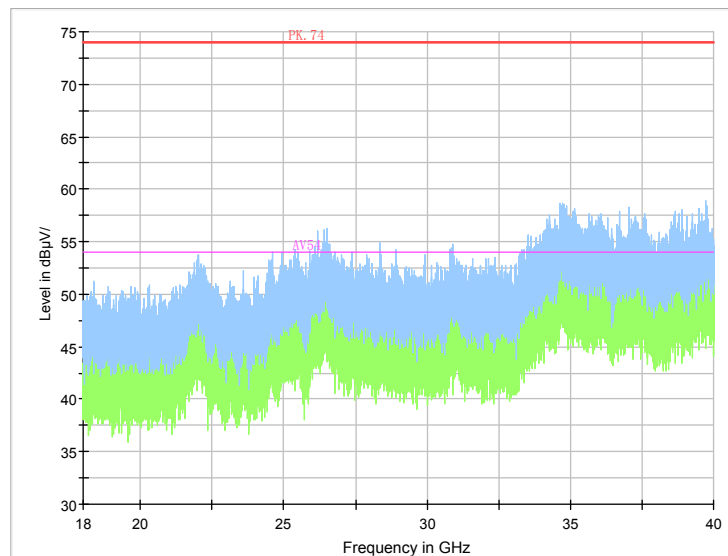
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

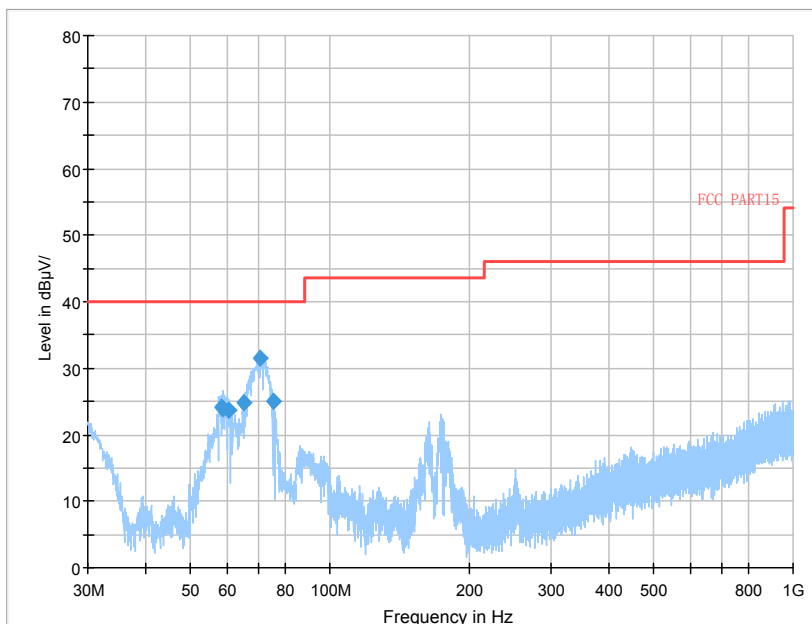


Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

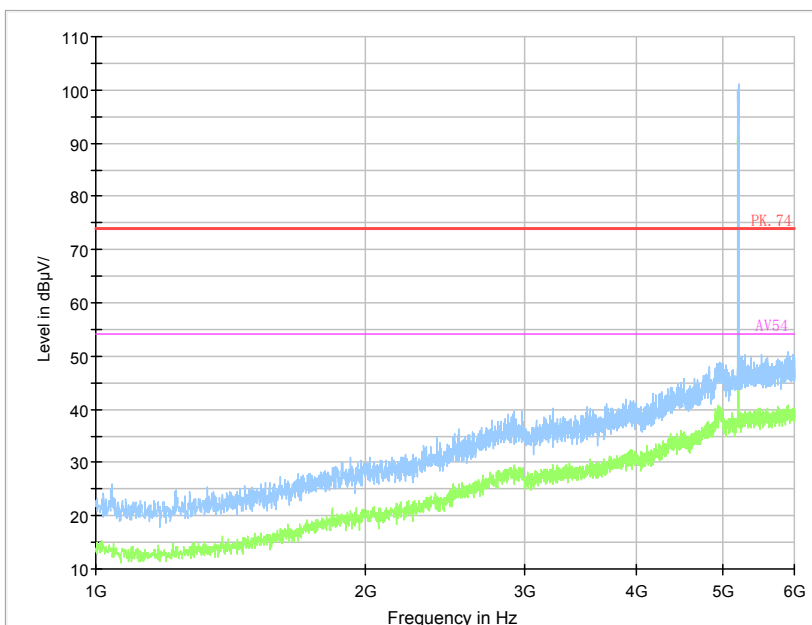


Frequency Range: 18GHz - 40GHz
 Detector: Av mode and PK mode

For 802.11ac

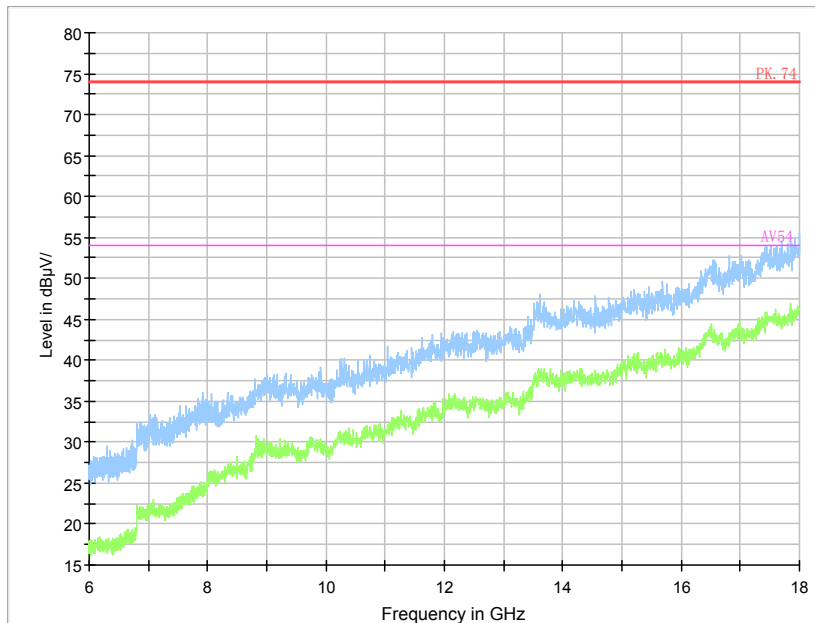


Frequency Range: 30MHz -1GHz
 Detector: QP mode



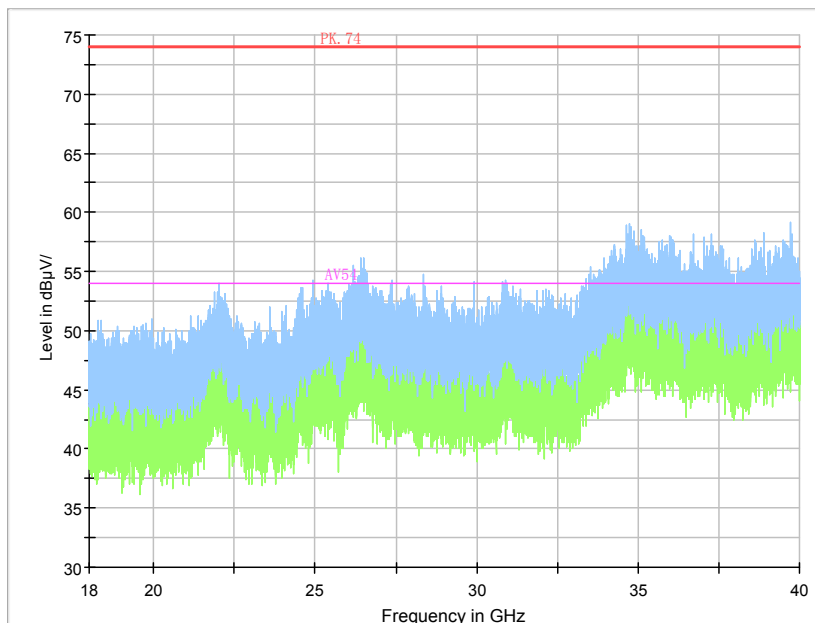
Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

C



Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

C

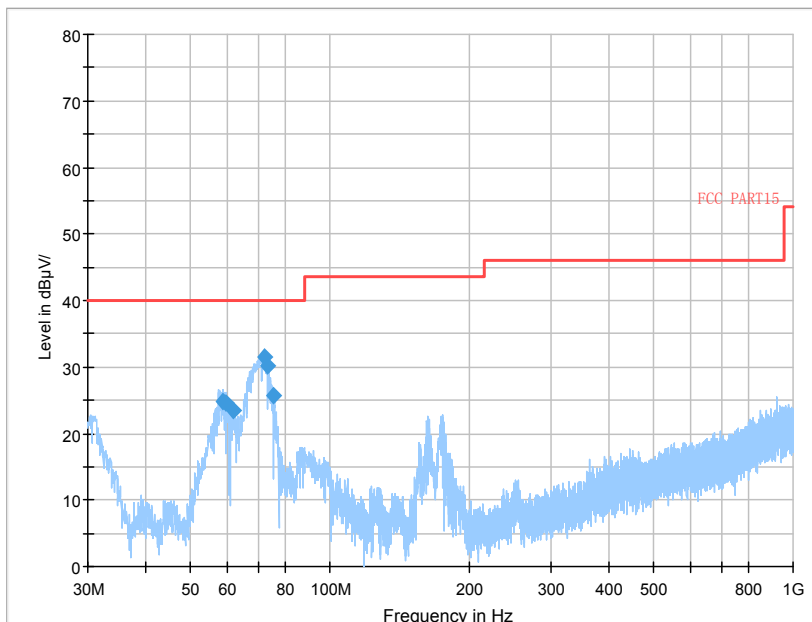


Frequency Range: 18GHz - 40GHz
 Detector: Av mode and PK mode

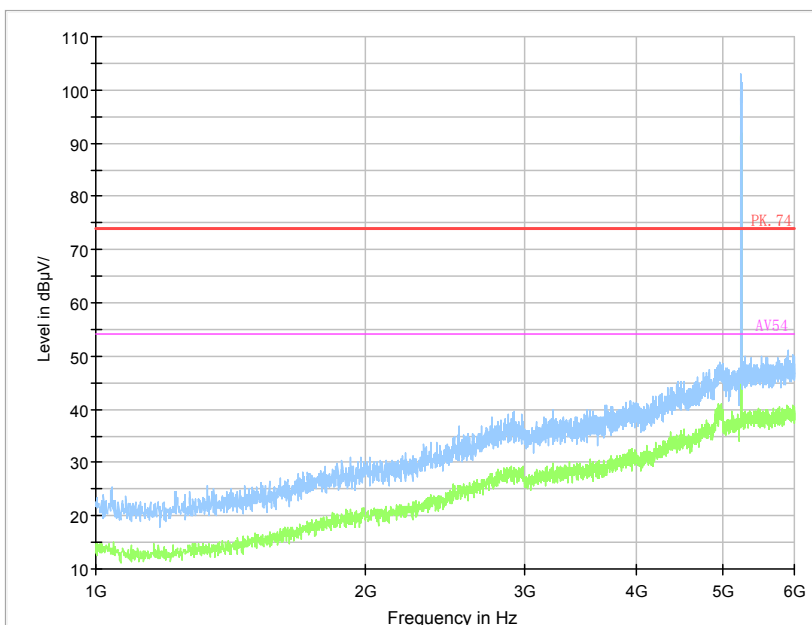
C

Carrier frequency (MHz): 5240 MHz

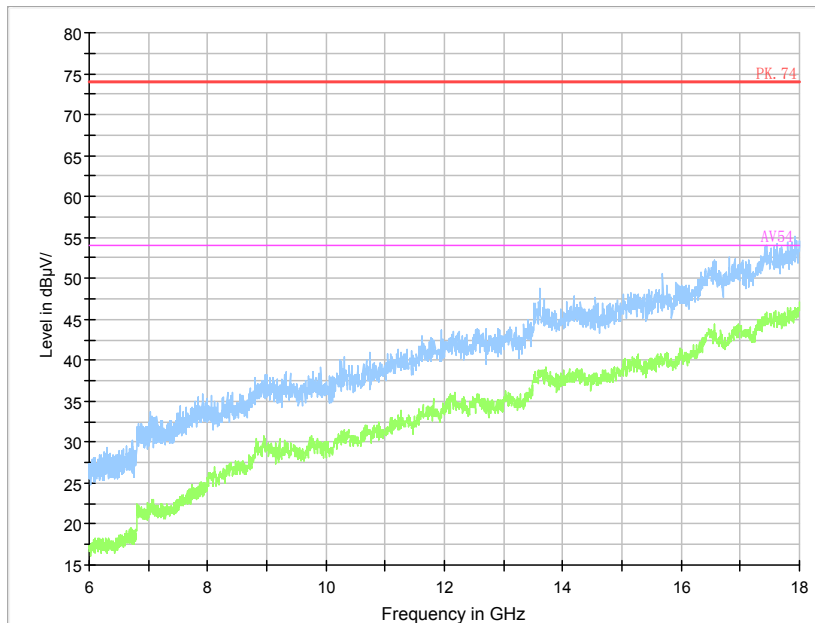
For 802.11a



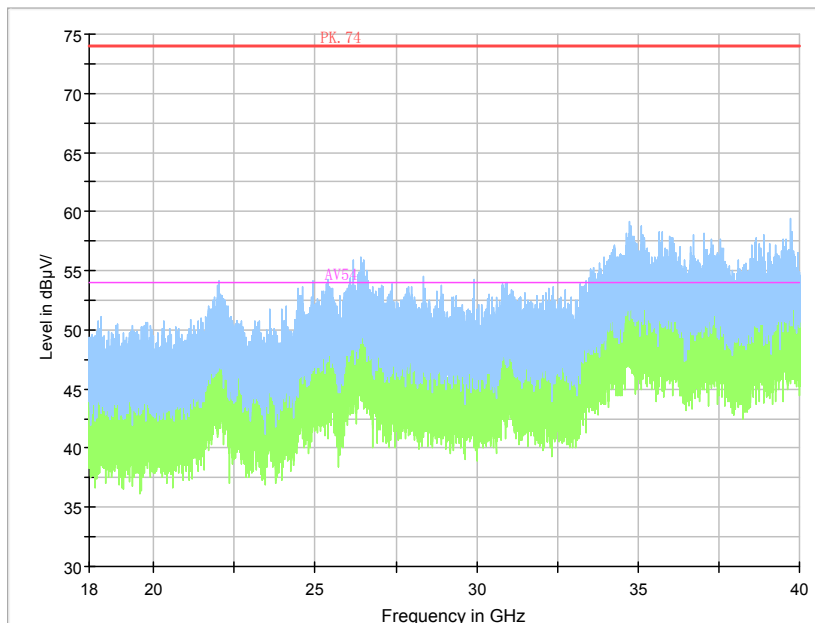
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

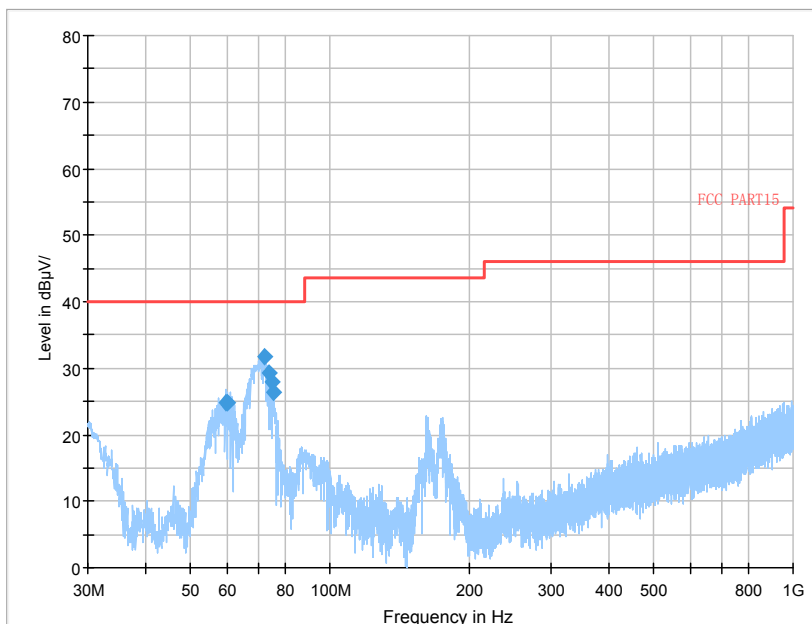


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode

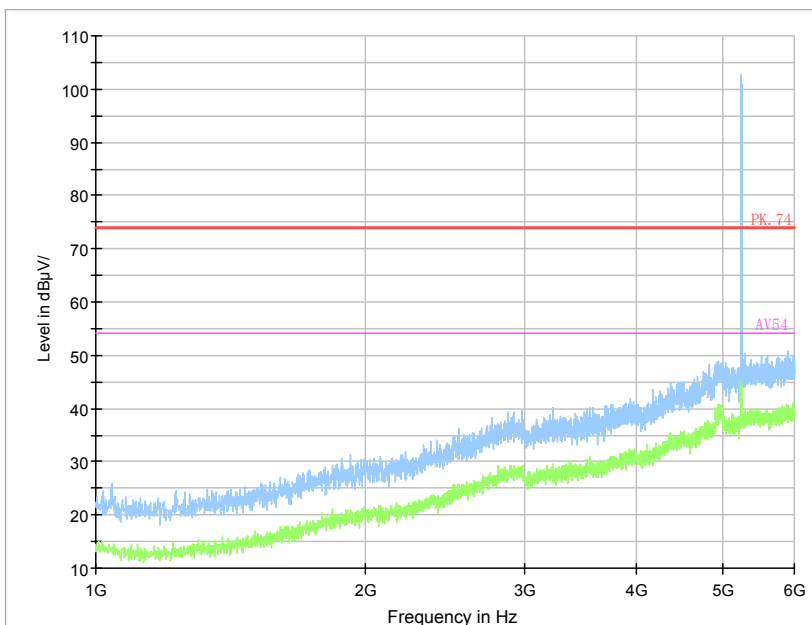


Frequency Range: 18GHz - 40GHz
Detector: Av mode and PK mode

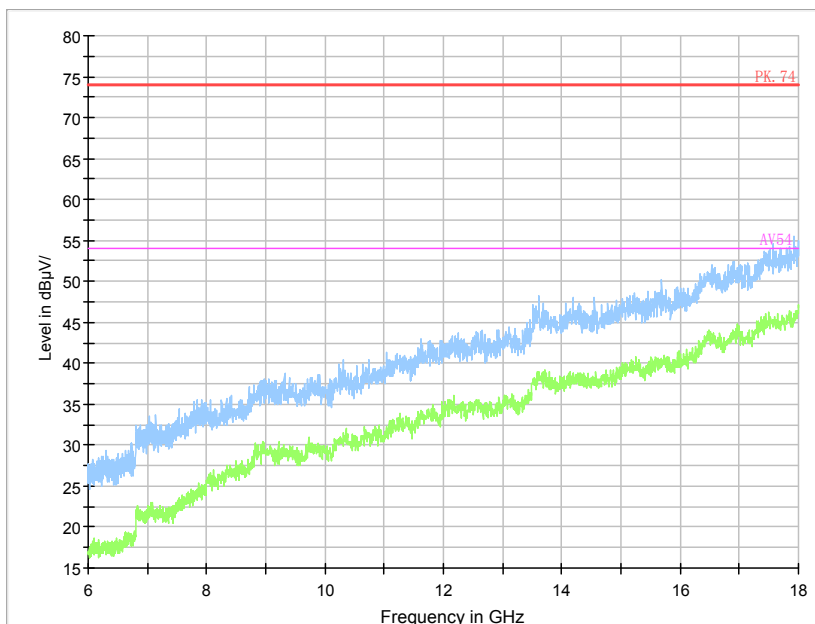
For 802.11n(HT20)



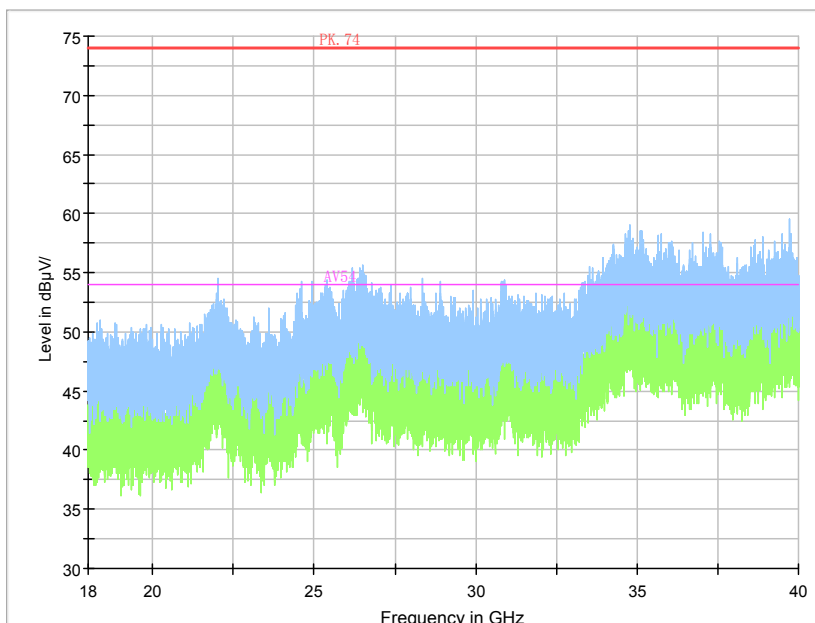
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

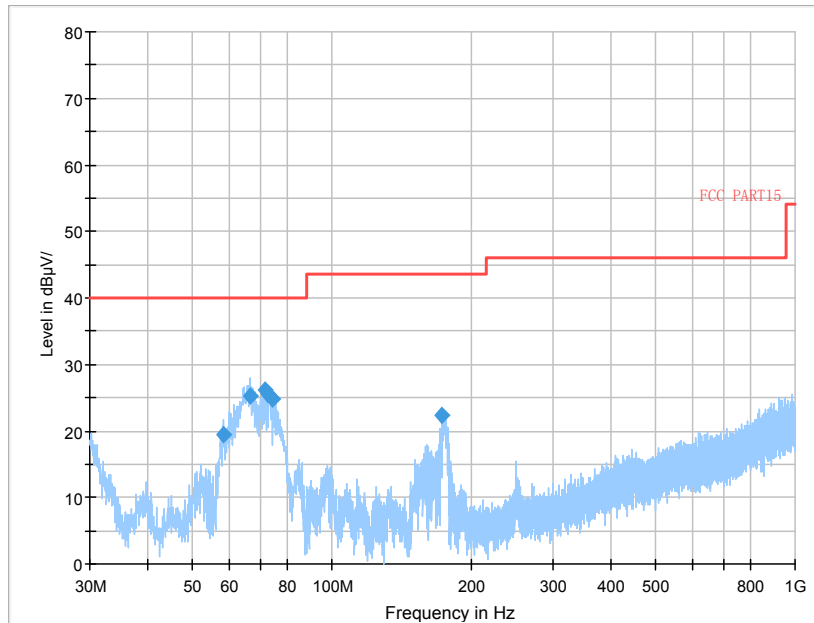


Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

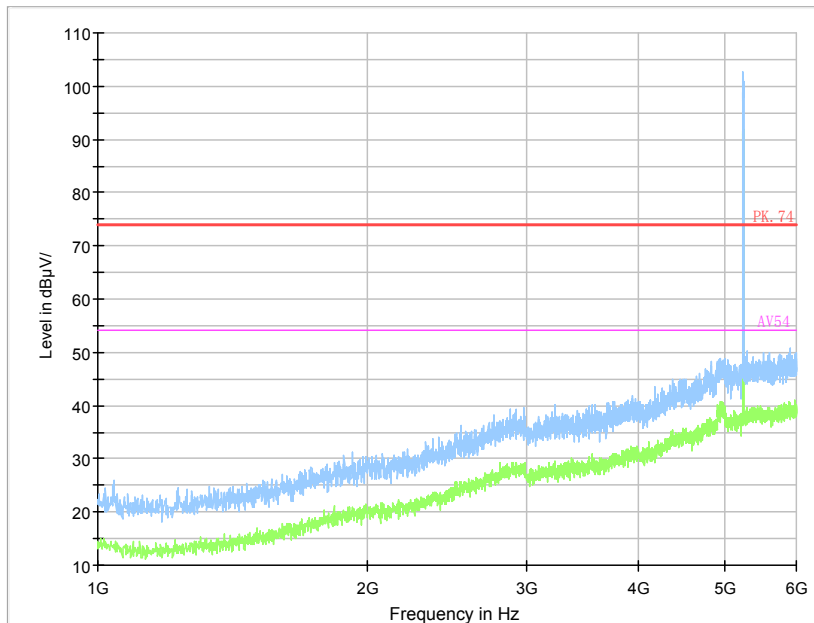


Frequency Range: 18GHz - 40GHz
 Detector: Av mode and PK mode

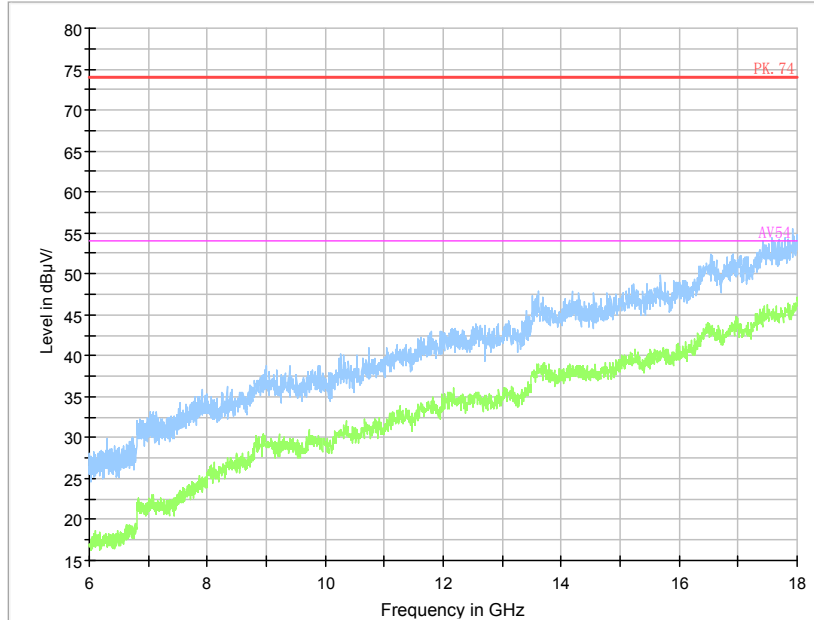
For 802.11ac



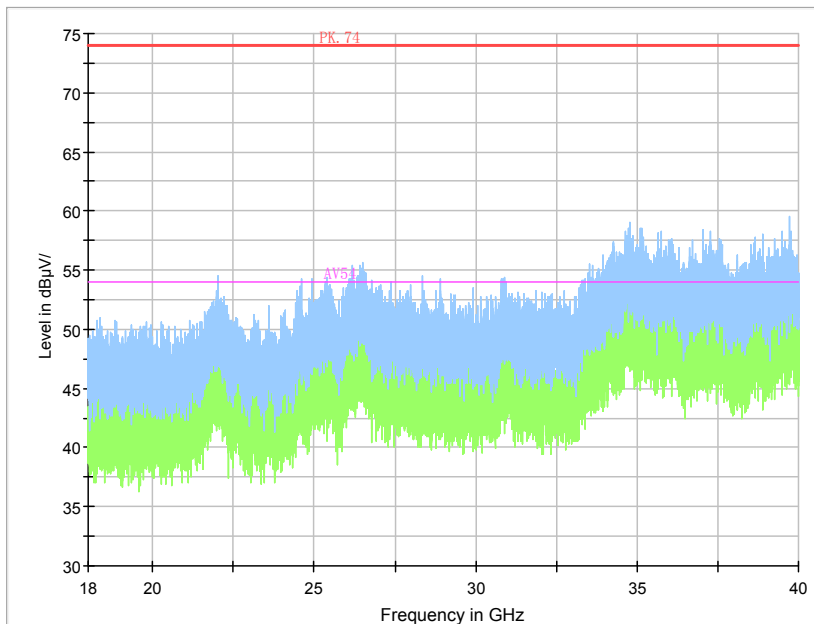
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

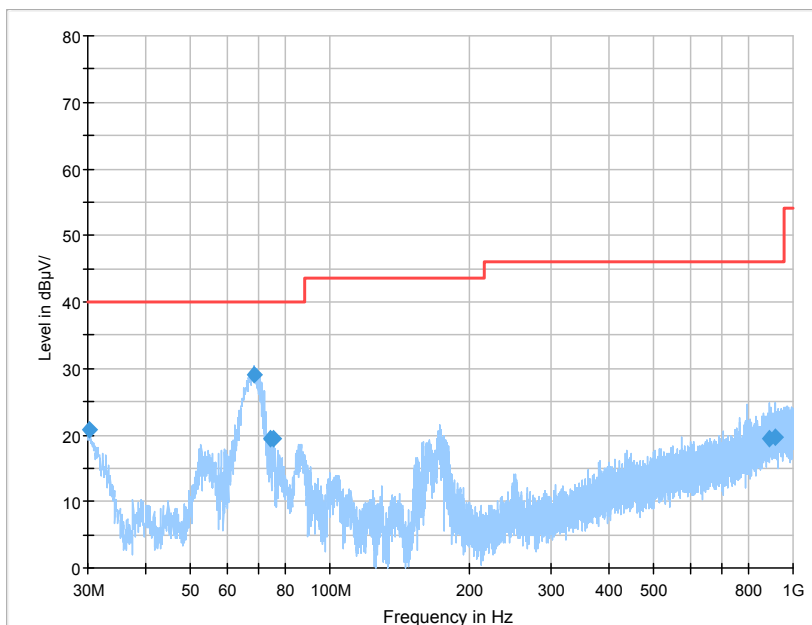


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode

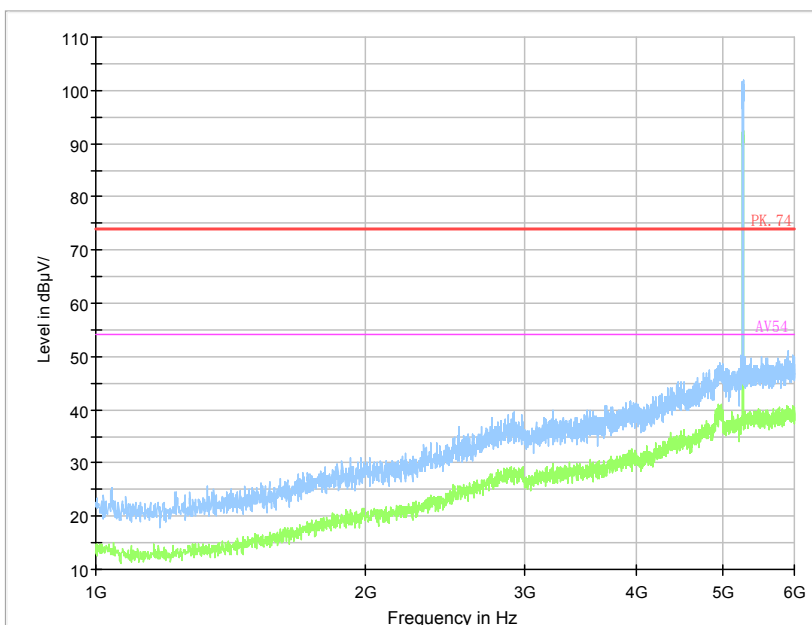


Frequency Range: 18GHz - 40GHz
Detector: Av mode and PK mode

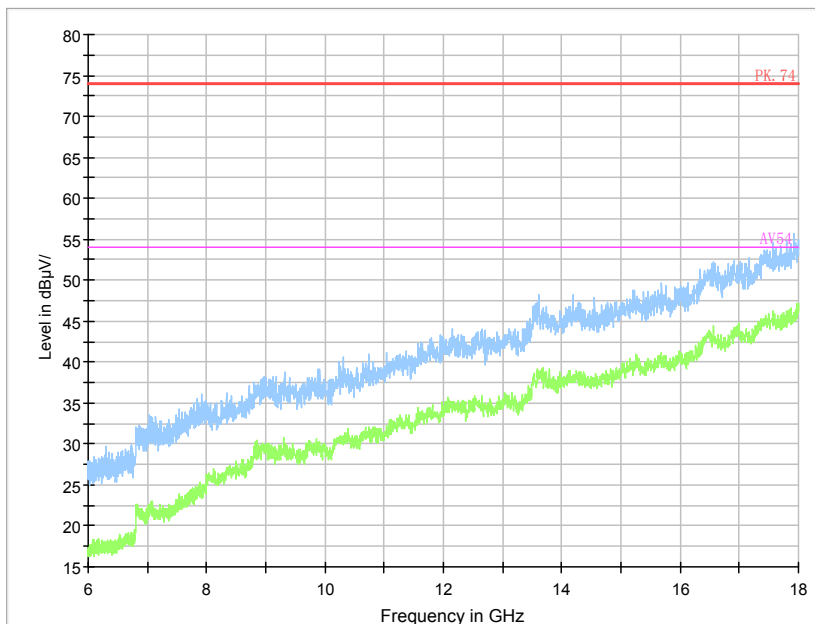
Carrier frequency (MHz): 5260 MHz
 For 802.11a



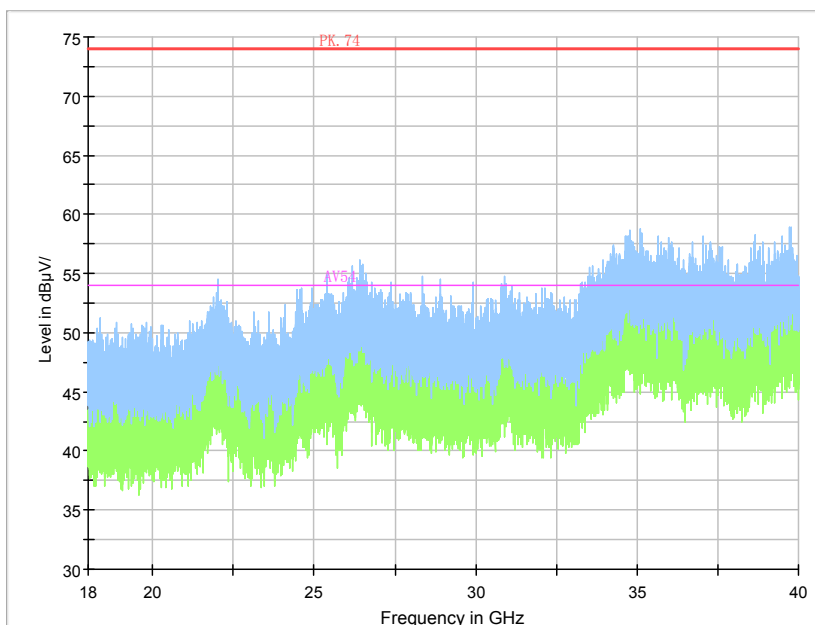
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

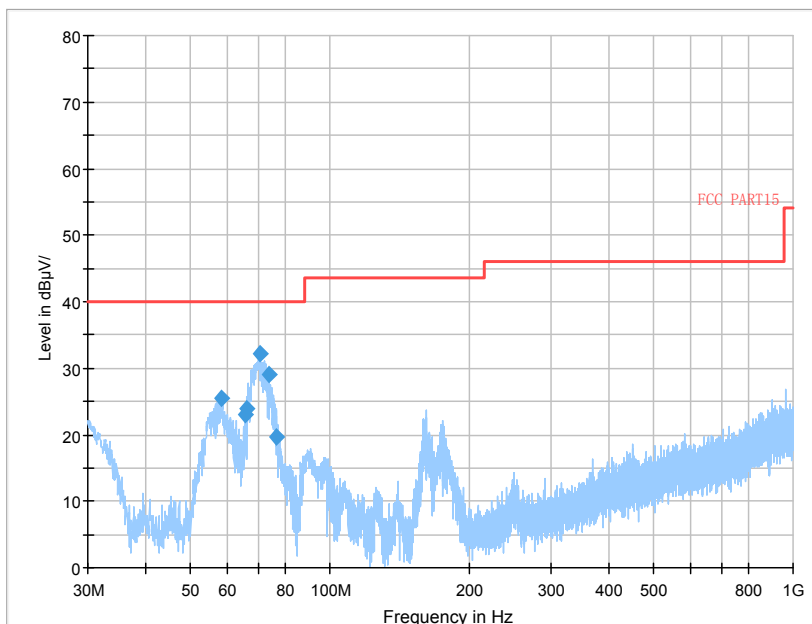


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode

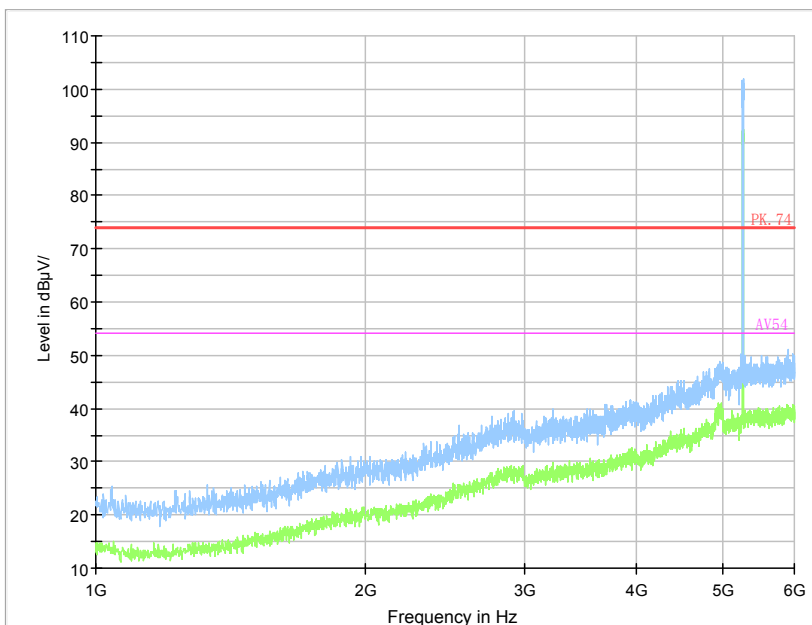


Frequency Range: 18GHz - 40GHz
Detector: Av mode and PK mode

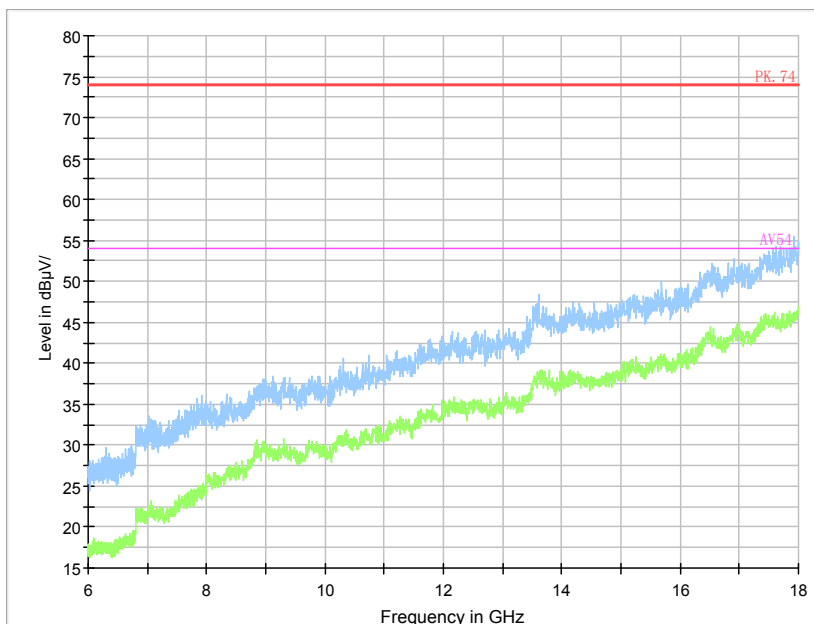
For 802.11n(HT20)



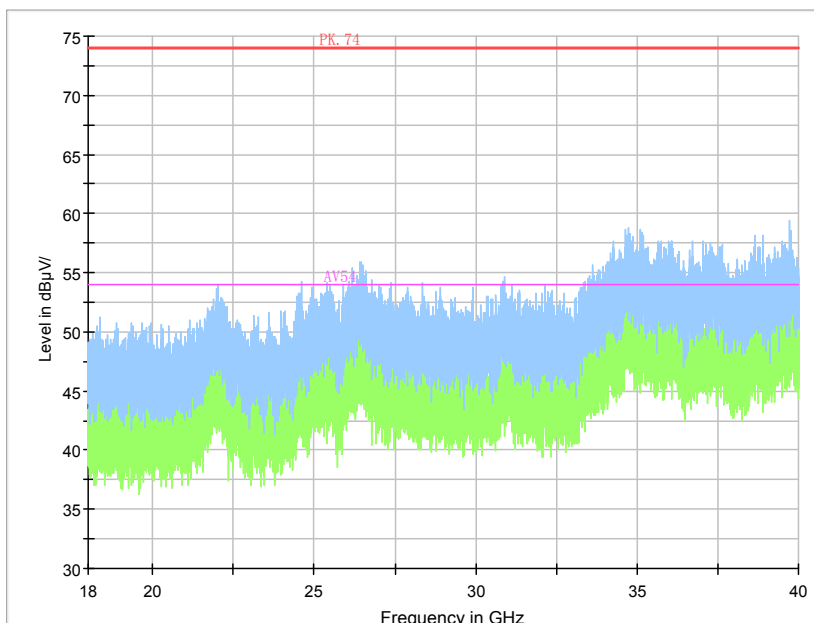
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

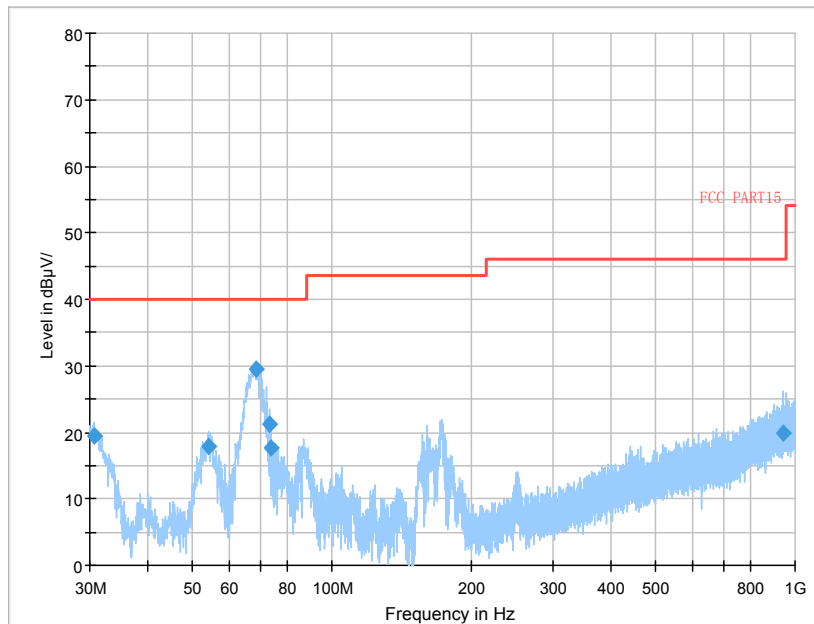


Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

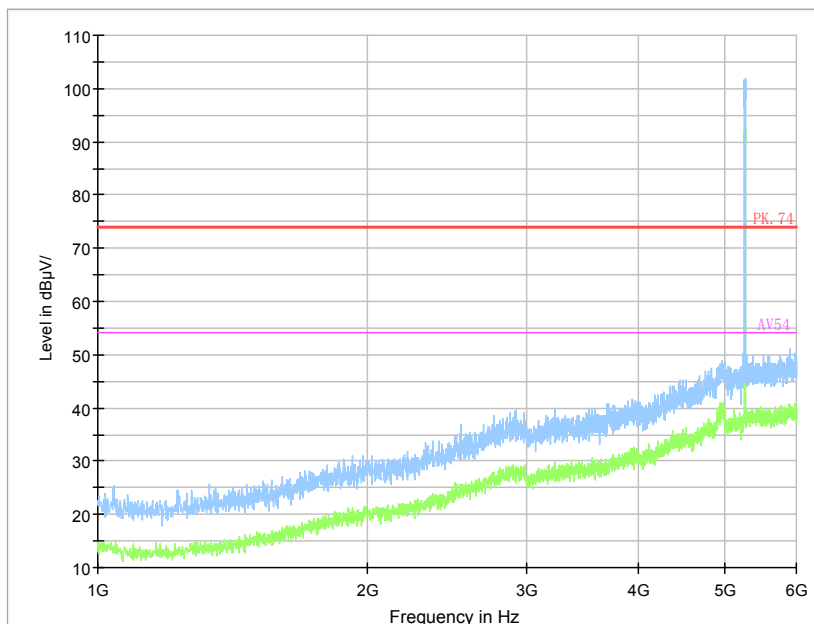


Frequency Range: 18GHz - 40GHz
 Detector: Av mode and PK mode

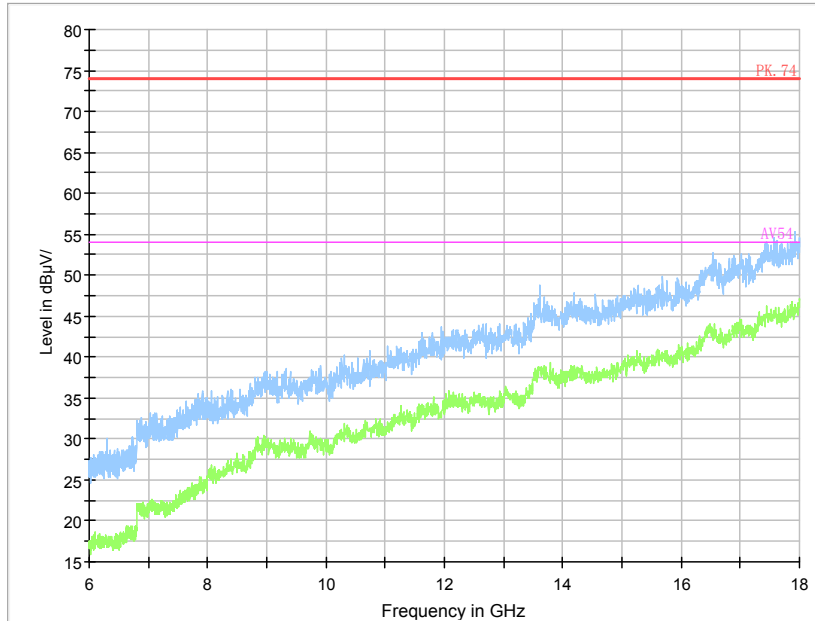
For 802.11ac



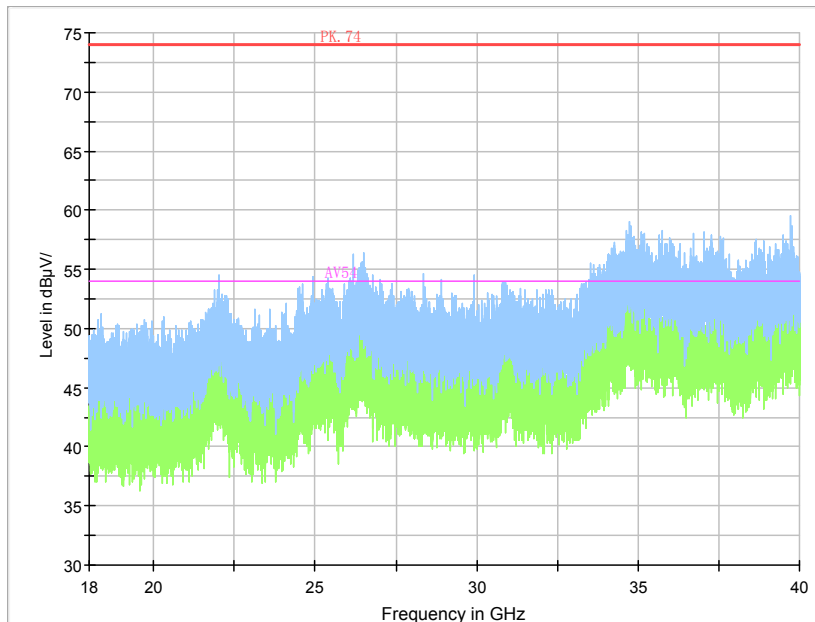
Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode

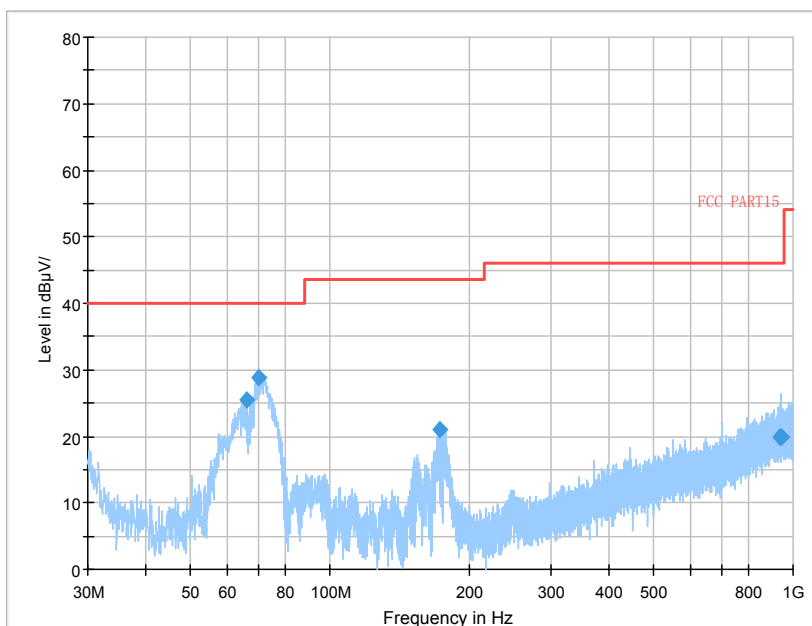


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode

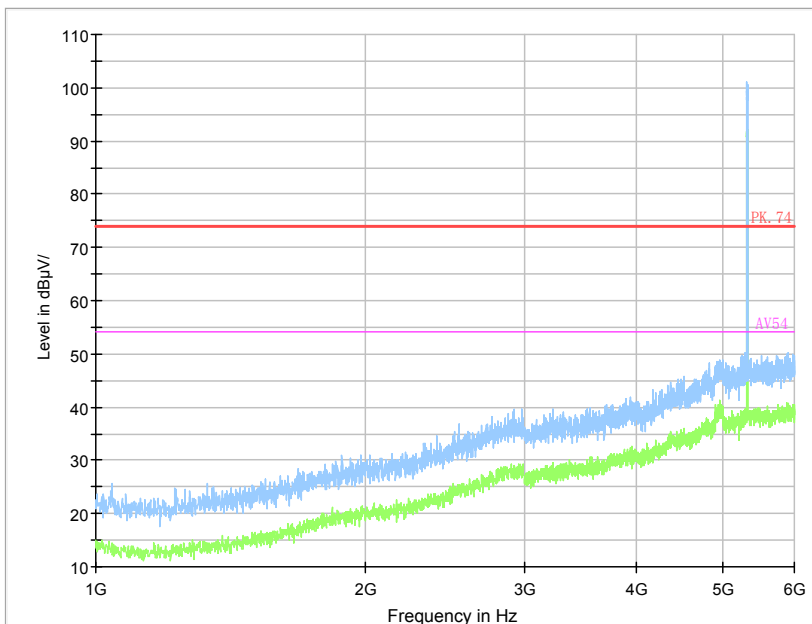


Frequency Range: 18GHz - 40GHz
Detector: Av mode and PK mode

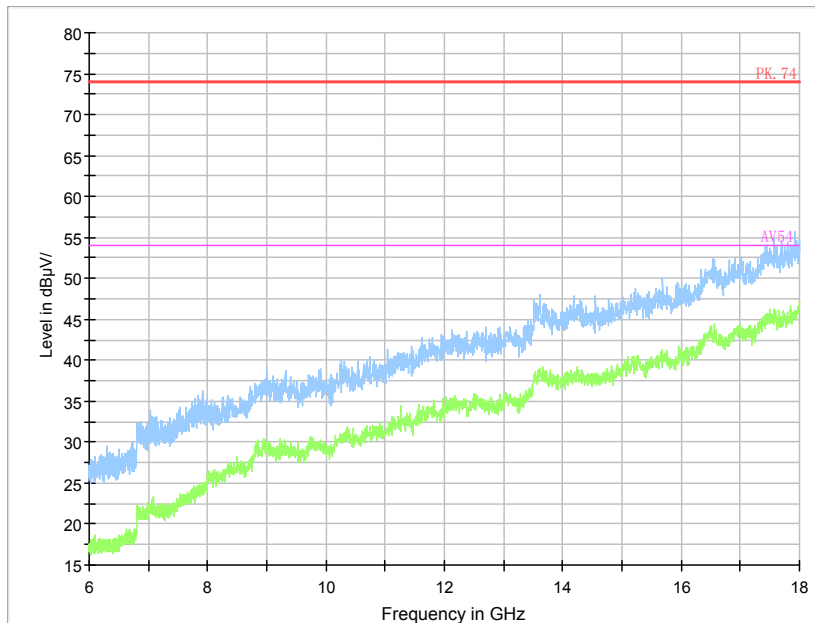
Carrier frequency (MHz): 5280 MHz
For 802.11a



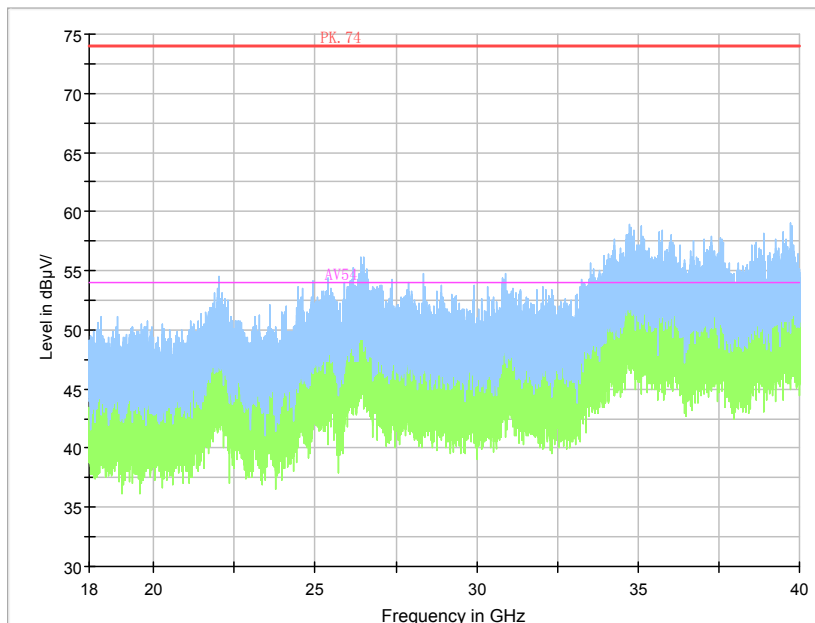
Frequency Range: 30MHz -1GHz
Detector: QP mode



Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode

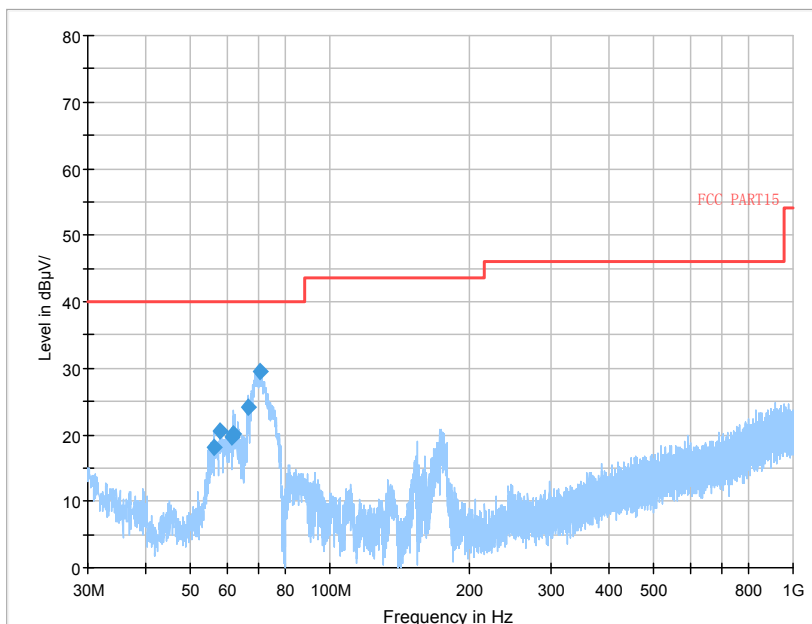


Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

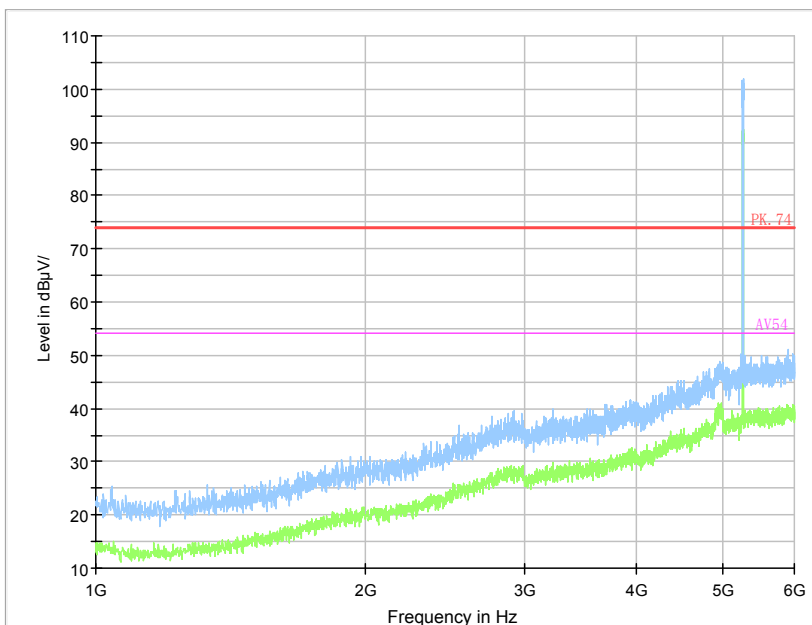


Frequency Range: 18GHz - 40GHz
 Detector: Av mode and PK mode

For 802.11n(HT20)



Frequency Range: 30MHz -1GHz
 Detector: QP mode



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode