

**Photographs of Test Result (Radiated Measurement)**

Test Condition: Temperature (24 ± 2) °C; Humidity (49 ± 2) %

9 kHz ~ 30 MHz**Test Mode – 802.11n(HT40)_MIMO –Low Channel -2 412 MHz (Worst Case)**

Frequency [MHz]	QuasiPeak [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Bandwidth [kHz]	Pol.	Azimuth [deg]	Corr. [dB/m]
0.015	33.33	83.80	50.47	0.200	V	238.0	19.7
0.201	45.60	61.55	15.95	9.000	H	42.0	19.5
0.311	48.87	57.74	8.87	9.000	H	220.0	19.5
0.693	48.16	50.79	2.64	9.000	H	22.0	19.5
0.765	40.66	49.94	9.28	9.000	H	220.0	19.5
1.380	40.12	44.83	4.71	9.000	H	22.0	19.5

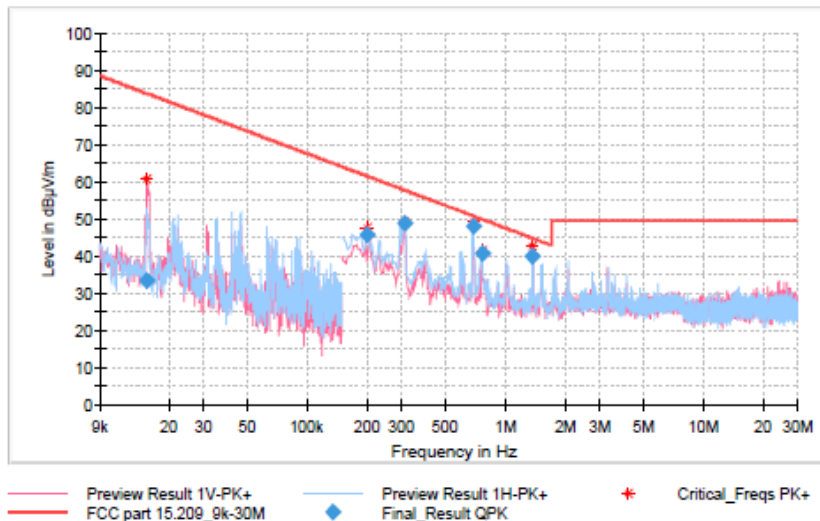
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. QuasiPeak[dB(μV)/m] = Reading value[dB(μV)] + Corr.[dB/m]
3. Measured Distance is 3 m.
Distance Corr.[dB] = $20 * \log((3 \text{ m}) / (300 \text{ m})) = -40 \text{ [dB]}$ at 0.009 MHz ~ 0.490 MHz
= $20 * \log((3 \text{ m}) / (30 \text{ m})) = -20 \text{ [dB]}$ at 0.490 MHz ~ 30 MHz
4. Limit = (Subpart 15 15.209) Radiated emission limits – Distance Corr.[dB]



Test Data

-Horizontal & Vertical



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.015458	33.33	83.80	50.47	0.200	V	238.0	19.7
0.200745	45.60	61.55	15.95	9.000	H	42.0	19.5
0.311190	48.87	57.74	8.87	9.000	H	220.0	19.5
0.693270	48.16	50.79	2.64	9.000	H	22.0	19.5
0.764910	40.66	49.94	9.28	9.000	H	220.0	19.5
1.379820	40.12	44.83	4.71	9.000	H	22.0	19.5



30 MHz ~ 1 GHz

Test Mode – 802.11n(HT40)_MIMO –Lowest Channel-2 412 MHz (Worst case)

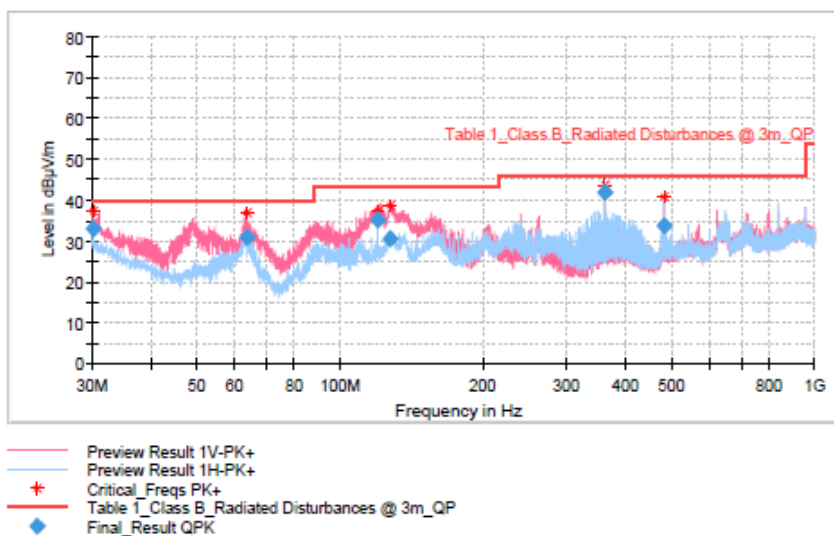
Frequency [MHz]	QuasiPeak [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Bandwidth [kHz]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]
30.189	33.15	40.00	6.85	120.0	100.0	V	6.0	-12.6
63.682	30.86	40.00	9.14	120.0	100.0	V	4.0	-21.5
119.974	35.16	43.50	8.34	120.0	100.0	V	242.0	-20.4
127.653	30.67	43.50	12.83	120.0	100.0	V	126.0	-20.3
359.984	41.85	46.00	4.15	120.0	250.0	H	6.0	-11
480.025	33.79	46.00	12.21	120.0	100.0	H	244.0	-8.7

Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. QuasiPeak[dB(μV)/m] = Reading value[dB(μV)] + Corr.[dB/m]

Test Data

-Horizontal & Vertical



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.188581	33.15	40.00	6.85	120.000	100.0	V	6.0	-12.6
63.682250	30.86	40.00	9.14	120.000	100.0	V	4.0	-21.5
119.974250	35.16	43.50	8.34	120.000	100.0	V	242.0	-20.4
127.653063	30.67	43.50	12.83	120.000	100.0	V	126.0	-20.3
359.983938	41.85	46.00	4.15	120.000	250.0	H	6.0	-11.0
480.024563	33.79	46.00	12.21	120.000	100.0	H	244.0	-8.7

**ANT1****1 GHz ~ 18 GHz****Test Mode – 802.11b –Lowest Channel-2 412 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 597.073	51.07	-	74.00	22.93	383.0	V	353.0	-3.9	3.52
1 597.073	-	27.12	54.00	26.88	383.0	V	353.0	-3.9	3.52
#2 382.611	57.54	-	74.00	16.46	150.0	V	330.0	0.5	3.52
#2 382.611	-	36.93	54.00	17.07	150.0	V	330.0	0.5	3.52
#2 387.259	59.91	-	74.00	14.09	194.0	V	291.0	0.5	3.52
#2 387.259	-	34.44	54.00	19.56	194.0	V	291.0	0.5	3.52
2 994.462	53.54	-	74.00	20.46	311.0	V	34.0	0.4	3.52
2 994.462	-	37.45	54.00	16.55	311.0	V	34.0	0.4	3.52
8 987.061	56.14	-	74.00	17.86	137.0	V	83.0	6.2	3.52
8 987.061	-	38.13	54.00	15.87	137.0	V	83.0	6.2	3.52

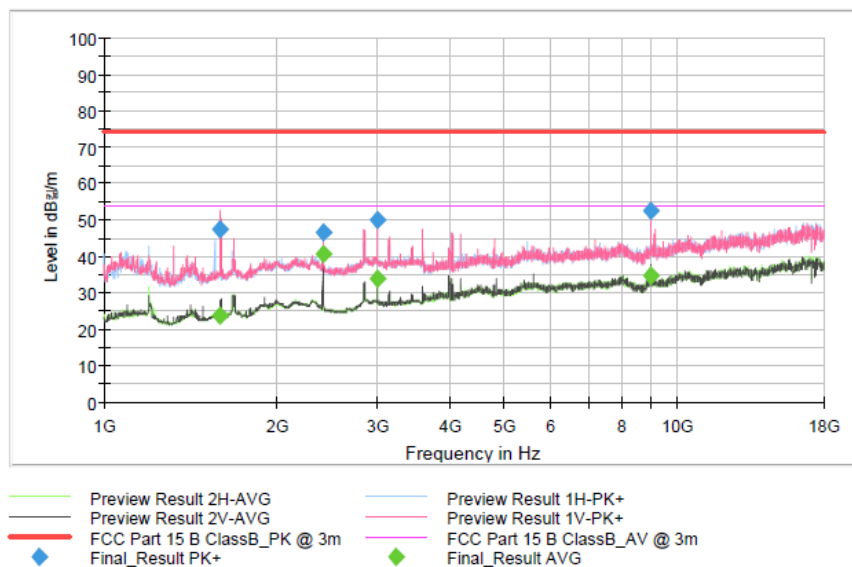
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

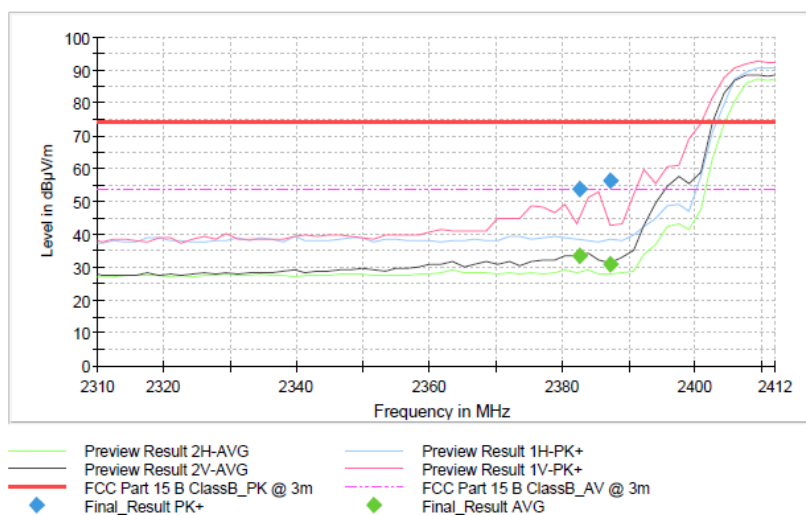
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1597.073000	---	23.60	54.00	30.40	1000.000	383.0	V	353.0	-3.9
1597.073000	47.55	---	74.00	26.45	1000.000	383.0	V	353.0	-3.9
2994.461500	---	33.93	54.00	20.07	1000.000	311.0	V	34.0	0.4
2994.461500	50.02	---	74.00	23.98	1000.000	311.0	V	34.0	0.4
8987.060500	52.62	---	74.00	21.38	1000.000	137.0	V	83.0	6.2
8987.060500	---	34.61	54.00	19.39	1000.000	137.0	V	83.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2382.611000	---	33.41	54.00	20.59	1000.000	150.0	V	330.0	0.5
2382.611000	54.02	---	74.00	19.98	1000.000	150.0	V	330.0	0.5
2387.258500	---	30.92	54.00	23.08	1000.000	194.0	V	291.0	0.5
2387.258500	56.39	---	74.00	17.61	1000.000	194.0	V	291.0	0.5

**Test Mode – 802.11b –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol .	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 594.687	54.68	-	74.00	19.32	100.0	V	83.0	-3.9	3.52
1 594.687	-	27.76	54.00	26.24	100.0	V	83.0	-3.9	3.52
2 996.577	54.31	-	74.00	19.69	115.0	V	219.0	0.4	3.52
2 996.577	-	37.88	54.00	16.12	115.0	V	219.0	0.4	3.52
8 991.434	56.51	-	74.00	17.49	137.0	V	68.0	6.2	3.52
8 991.434	-	38.26	54.00	15.74	137.0	V	68.0	6.2	3.52

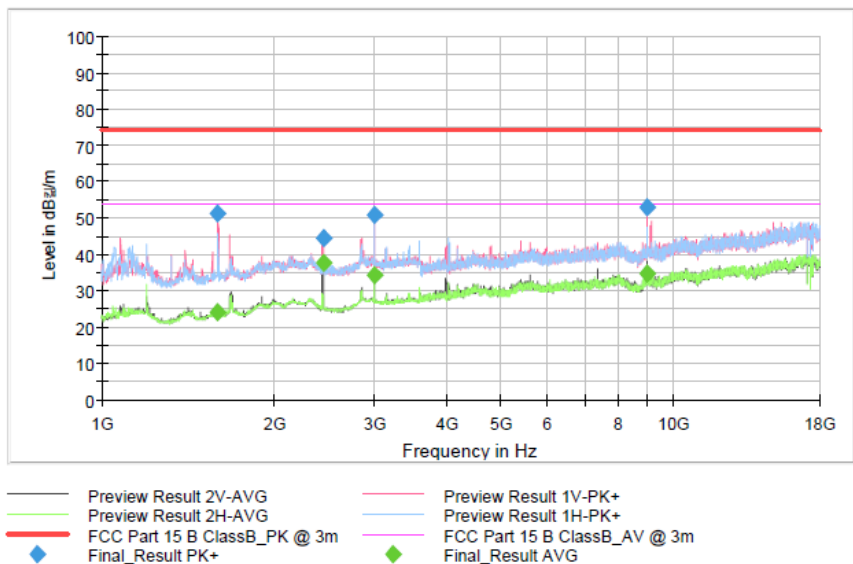
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBZ/m)	Average (dBZ/m)	Limit (dBZ/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1594.687000	51.16	---	74.00	22.84	1000.000	100.0	V	83.0	-3.9
1594.687000	---	24.24	54.00	29.76	1000.000	100.0	V	83.0	-3.9
2996.576500	50.79	---	74.00	23.21	1000.000	115.0	V	219.0	0.4
2996.576500	---	34.36	54.00	19.64	1000.000	115.0	V	219.0	0.4
8991.434000	52.99	---	74.00	21.01	1000.000	137.0	V	68.0	6.2
8991.434000	---	34.74	54.00	19.26	1000.000	137.0	V	68.0	6.2

**Test Mode – 802.11b –Highest Channel-2 462 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 598.647	53.23	-	74.00	20.77	150.0	V	73.0	-3.9	3.52
1 598.647	-	27.40	54.00	26.60	150.0	V	73.0	-3.9	3.52
2 483.311	67.15	-	74.00	6.85	113.0	V	0.0	0.8	3.52
2 483.311	-	35.23	54.00	18.77	113.0	V	0.0	0.8	3.52
#2 492.215	61.63	-	74.00	12.37	120.0	V	6.0	0.8	3.52
#2 492.215	-	35.87	54.00	18.13	120.0	V	6.0	0.8	3.52
2 994.216	55.98	-	74.00	18.02	194.0	H	323.0	0.4	3.52
2 994.216	-	39.55	54.00	14.45	194.0	H	323.0	0.4	3.52
8 984.365	53.14	-	74.00	20.86	138.0	V	65.0	6.2	3.52
8 984.365	-	36.56	54.00	17.44	138.0	V	65.0	6.2	3.52

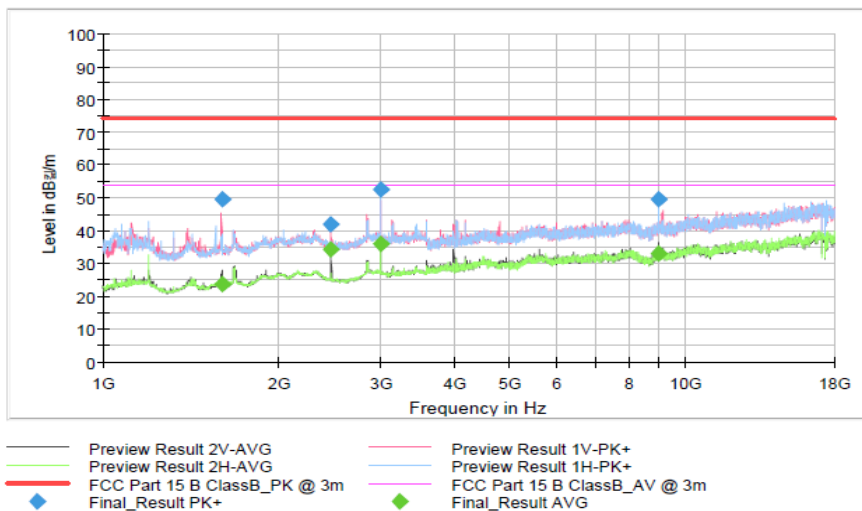
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

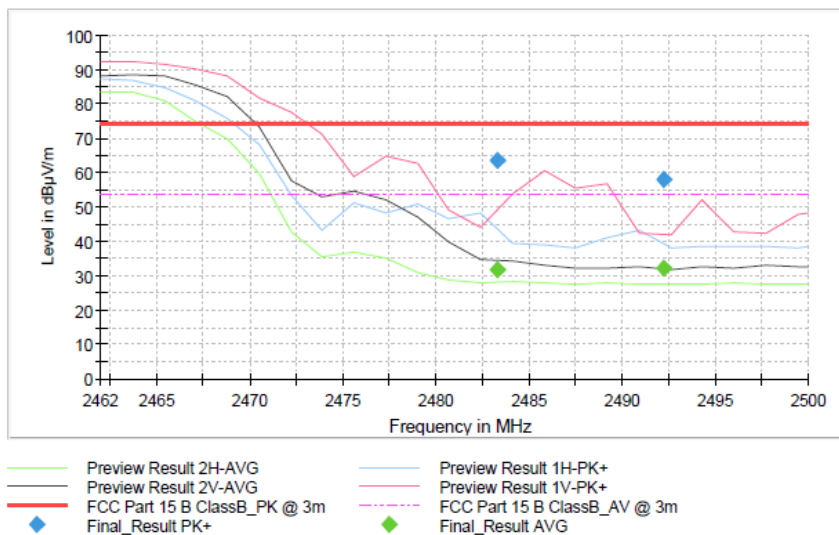
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1598.646500	---	23.88	54.00	30.12	1000.000	150.0	V	73.0	-3.9
1598.646500	49.71	---	74.00	24.29	1000.000	150.0	V	73.0	-3.9
2994.216000	---	36.03	54.00	17.97	1000.000	194.0	H	323.0	0.4
2994.216000	52.46	---	74.00	21.54	1000.000	194.0	H	323.0	0.4
8984.365000	49.62	---	74.00	24.38	1000.000	138.0	V	65.0	6.2
8984.365000	---	33.04	54.00	20.96	1000.000	138.0	V	65.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.311000	63.63	---	74.00	10.37	1000.000	113.0	V	0.0	0.8
2483.311000	---	31.71	54.00	22.29	1000.000	113.0	V	0.0	0.8
2492.215000	58.11	---	74.00	15.89	1000.000	120.0	V	6.0	0.8
2492.215000	---	32.35	54.00	21.65	1000.000	120.0	V	6.0	0.8

**Test Mode – 802.11g –Lowest Channel-2 412 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 592.858	58.72	-	74.00	15.28	400.0	V	7.0	-3.9	3.52
1 592.858	-	28.56	54.00	25.44	400.0	V	7.0	-3.9	3.52
#2 346.182	49.37	-	74.00	24.63	116.0	V	304.0	0.4	3.52
#2 346.182	-	35.80	54.00	18.20	116.0	V	304.0	0.4	3.52
#2 382.613	49.12	-	74.00	24.88	100.0	V	142.0	0.5	3.52
#2 382.613	-	35.39	54.00	18.61	100.0	V	142.0	0.5	3.52
2 995.729	52.39	-	74.00	21.61	355.0	H	312.0	0.4	3.52
2 995.729	-	36.40	54.00	17.60	355.0	H	312.0	0.4	3.52
8 990.764	56.77	-	74.00	17.23	137.0	V	68.0	6.2	3.52
8 990.764	-	38.55	54.00	15.45	137.0	V	68.0	6.2	3.52

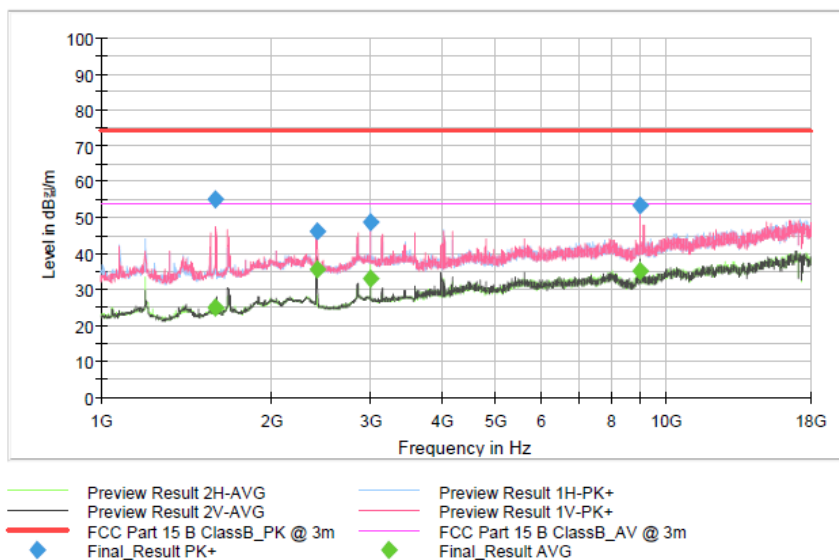
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

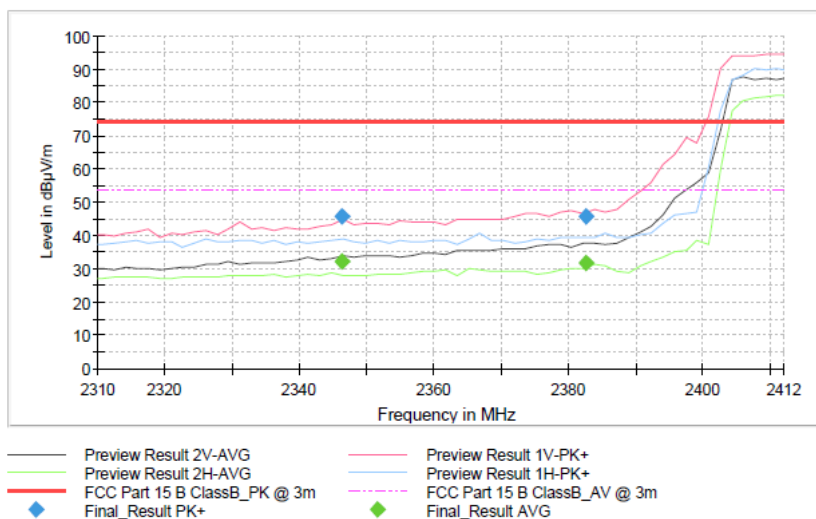
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1592.858000	55.20	---	74.00	18.80	1000.000	400.0	V	7.0	-3.9
1592.858000	---	25.04	54.00	28.96	1000.000	400.0	V	7.0	-3.9
2995.728500	48.87	---	74.00	25.13	1000.000	355.0	H	312.0	0.4
2995.728500	---	32.88	54.00	21.12	1000.000	355.0	H	312.0	0.4
8990.764000	53.25	---	74.00	20.75	1000.000	137.0	V	68.0	6.2
8990.764000	---	35.03	54.00	18.97	1000.000	137.0	V	68.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2346.181500	---	32.28	54.00	21.72	1000.000	116.0	V	304.0	0.4
2346.181500	45.85	---	74.00	28.15	1000.000	116.0	V	304.0	0.4
2382.613000	---	31.87	54.00	22.13	1000.000	100.0	V	142.0	0.5
2382.613000	45.60	---	74.00	28.40	1000.000	100.0	V	142.0	0.5

**Test Mode – 802.11g –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 595.663	57.24	-	74.00	16.76	400.0	V	0.0	-3.9	3.52
1 595.663	-	28.57	54.00	25.43	400.0	V	0.0	-3.9	3.52
2 995.462	53.90	-	74.00	20.10	400.0	V	36.0	0.4	3.52
2 995.462	-	37.30	54.00	16.70	400.0	V	36.0	0.4	3.52
8 992.759	58.38	-	74.00	15.62	115.0	V	80.0	6.2	3.52
8 992.759	-	39.33	54.00	14.67	115.0	V	80.0	6.2	3.52

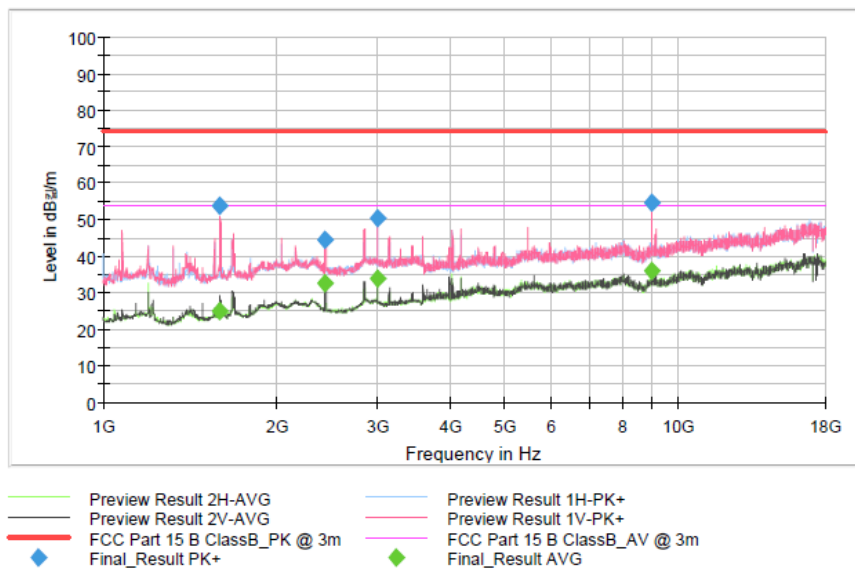
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1595.663000	---	25.05	54.00	28.95	1000.000	400.0	V	0.0	-3.9
1595.663000	53.72	---	74.00	20.28	1000.000	400.0	V	0.0	-3.9
2995.462000	---	33.78	54.00	20.22	1000.000	400.0	V	36.0	0.4
2995.462000	50.38	---	74.00	23.62	1000.000	400.0	V	36.0	0.4
8992.758500	54.86	---	74.00	19.14	1000.000	115.0	V	80.0	6.2
8992.758500	---	35.81	54.00	18.19	1000.000	115.0	V	80.0	6.2

**Test Mode – 802.11g –Highest Channel-2 462 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 079.975	55.22	-	74.00	18.78	100.0	V	112.0	-3.7	3.52
1 079.975	-	27.99	54.00	26.01	100.0	V	112.0	-3.7	3.52
1 598.603	53.79	-	74.00	20.21	150.0	V	69.0	-3.9	3.52
1 598.603	-	27.71	54.00	26.29	150.0	V	69.0	-3.9	3.52
#2 484.065	58.92	-	74.00	15.08	172.0	V	6.0	0.8	3.52
#2 484.065	-	42.92	54.00	11.08	172.0	V	6.0	0.8	3.52
#2 487.916	55.46	-	74.00	18.54	177.0	V	6.0	0.8	3.52
#2 487.916	-	41.45	54.00	12.55	177.0	V	6.0	0.8	3.52
2 994.762	55.00	-	74.00	19.00	362.0	H	320.0	0.4	3.52
2 994.762	-	38.64	54.00	15.36	362.0	H	320.0	0.4	3.52
8 979.849	52.69	-	74.00	21.31	138.0	V	66.0	6.2	3.52
8 979.849	-	36.34	54.00	17.66	138.0	V	66.0	6.2	3.52

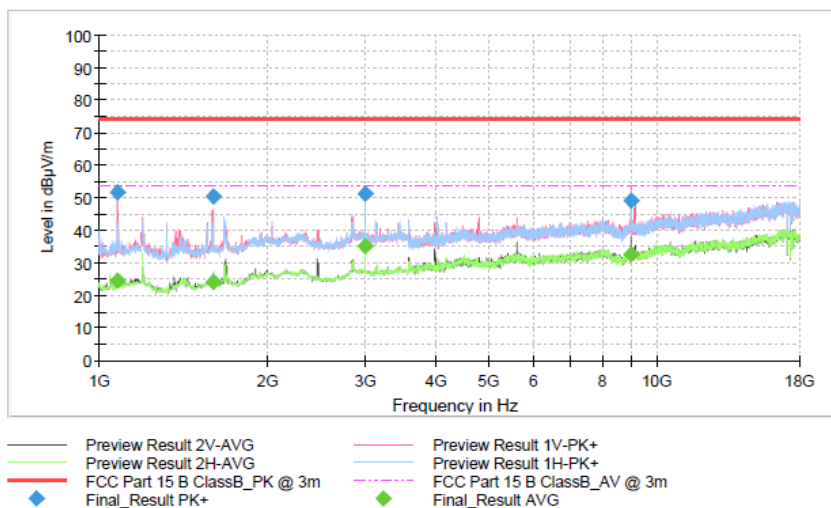
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

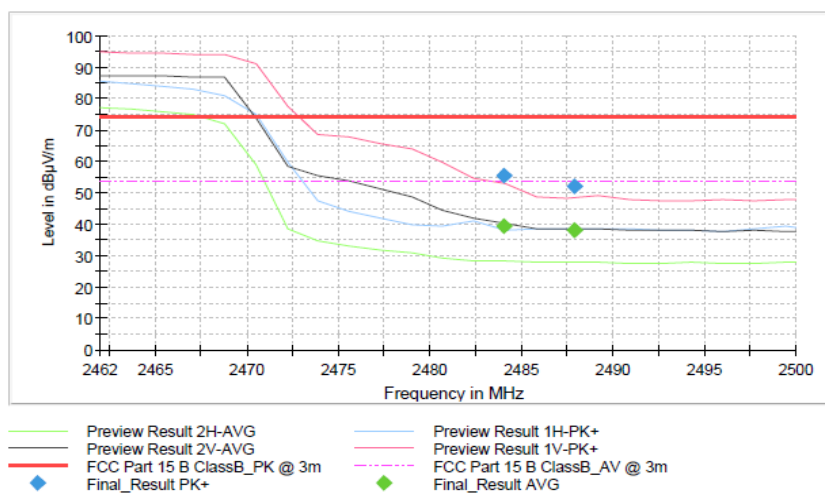
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1079.974500	---	24.47	54.00	29.53	1000.000	100.0	V	112.0	-3.7
1079.974500	51.70	---	74.00	22.30	1000.000	100.0	V	112.0	-3.7
1598.602500	50.27	---	74.00	23.73	1000.000	150.0	V	69.0	-3.9
1598.602500	---	24.19	54.00	29.81	1000.000	150.0	V	69.0	-3.9
2994.762000	---	35.12	54.00	18.88	1000.000	362.0	H	320.0	0.4
2994.762000	51.48	---	74.00	22.52	1000.000	362.0	H	320.0	0.4
8979.849000	49.17	---	74.00	24.83	1000.000	138.0	V	66.0	6.2
8979.849000	---	32.82	54.00	21.18	1000.000	138.0	V	66.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2484.065000	---	39.40	54.00	14.60	1000.000	172.0	V	6.0	0.8
2484.065000	55.40	---	74.00	18.60	1000.000	172.0	V	6.0	0.8
2487.915500	---	37.93	54.00	16.07	1000.000	177.0	V	6.0	0.8
2487.915500	51.94	---	74.00	22.06	1000.000	177.0	V	6.0	0.8

**Test Mode – 802.11n(HT20) –Lowest Channel-2 412 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 196.762	49.15	-	74.00	24.85	100.0	V	140.0	-4.0	3.52
1 196.762	-	31.30	54.00	22.70	100.0	V	140.0	-4.0	3.52
1 597.087	53.73	-	74.00	20.27	138.0	V	69.0	-3.9	3.52
1 597.087	-	27.86	54.00	26.14	138.0	V	69.0	-3.9	3.52
#2 381.064	52.26	-	74.00	21.74	153.0	V	6.0	0.5	3.52
#2 381.064	-	38.68	54.00	15.32	153.0	V	6.0	0.5	3.52
#2 389.628	59.46	-	74.00	14.54	116.0	V	340.0	0.5	3.52
#2 389.628	-	41.98	54.00	12.02	116.0	V	340.0	0.5	3.52
2 992.669	55.74	-	74.00	18.26	100.0	H	332.0	0.4	3.52
2 992.669	-	39.24	54.00	14.76	100.0	H	332.0	0.4	3.52
8 983.640	52.99	-	74.00	21.01	137.0	V	66.0	6.2	3.52
8 983.640	-	36.25	54.00	17.75	137.0	V	66.0	6.2	3.52

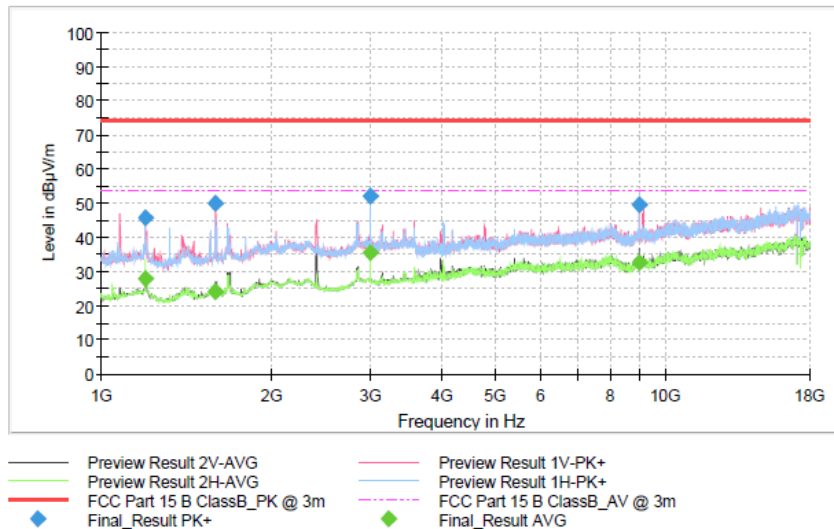
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

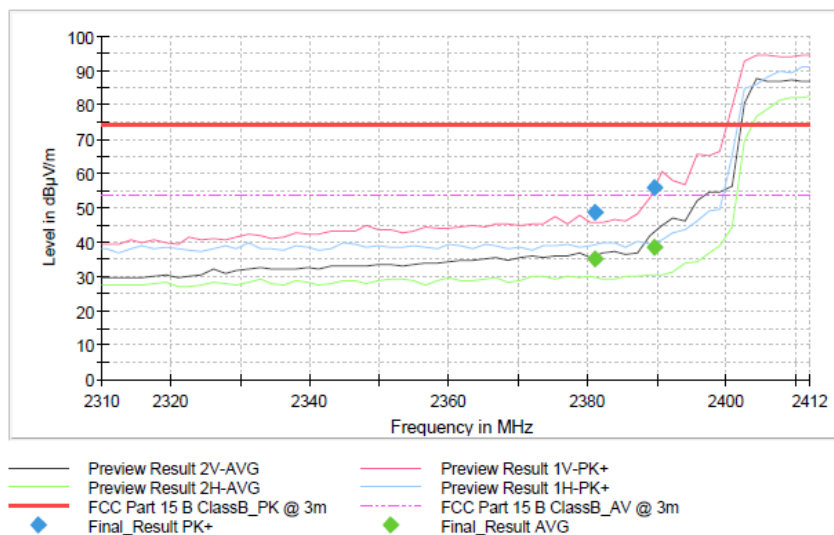
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1196.761500	45.63	---	74.00	28.37	1000.000	100.0	V	140.0	-4.0
1196.761500	---	27.78	54.00	26.22	1000.000	100.0	V	140.0	-4.0
1597.086500	50.21	---	74.00	23.79	1000.000	138.0	V	69.0	-3.9
1597.086500	---	24.34	54.00	29.66	1000.000	138.0	V	69.0	-3.9
2992.669000	---	35.72	54.00	18.28	1000.000	100.0	H	332.0	0.4
2992.669000	52.22	---	74.00	21.78	1000.000	100.0	H	332.0	0.4
8983.639500	---	32.73	54.00	21.27	1000.000	137.0	V	66.0	6.2
8983.639500	49.47	---	74.00	24.53	1000.000	137.0	V	66.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2381.063500	48.74	---	74.00	25.26	1000.000	153.0	V	6.0	0.5
2381.063500	---	35.16	54.00	18.84	1000.000	153.0	V	6.0	0.5
2389.627500	55.94	---	74.00	18.06	1000.000	116.0	V	340.0	0.5
2389.627500	---	38.46	54.00	15.54	1000.000	116.0	V	340.0	0.5

**Test Mode – 802.11n(HT20) –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 080.070	55.32	-	74.00	18.68	100.0	V	114.0	-3.7	3.52
1 080.070	-	28.14	54.00	25.86	100.0	V	114.0	-3.7	3.52
1 595.166	56.67	-	74.00	17.33	100.0	V	80.0	-3.9	3.52
1 595.166	-	28.62	54.00	25.38	100.0	V	80.0	-3.9	3.52
2 993.950	54.74	-	74.00	19.26	361.0	H	321.0	0.4	3.52
2 993.950	-	38.52	54.00	15.48	361.0	H	321.0	0.4	3.52
8 978.634	53.45	-	74.00	20.55	400.0	V	7.0	6.2	3.52
8 978.634	-	36.56	54.00	17.44	400.0	V	7.0	6.2	3.52

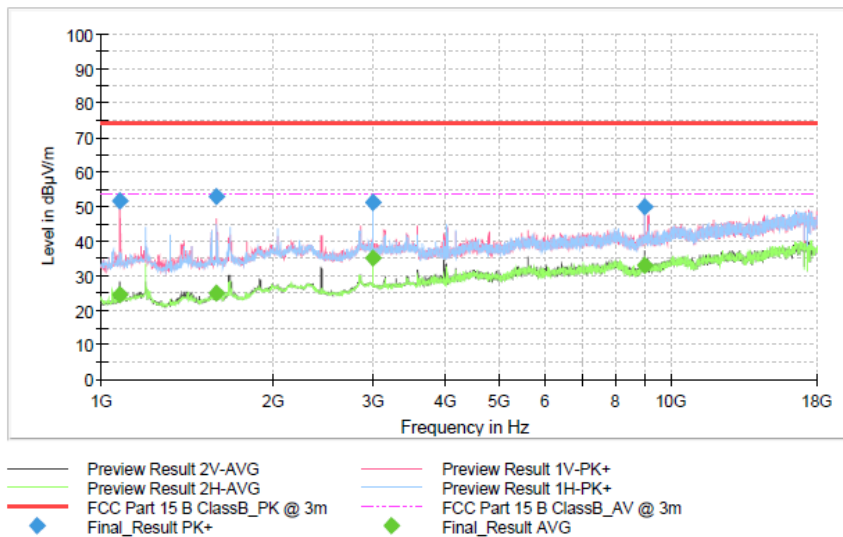
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1080.069500	---	24.62	54.00	29.38	1000.000	100.0	V	114.0	-3.7
1080.069500	51.80	---	74.00	22.20	1000.000	100.0	V	114.0	-3.7
1595.166000	53.15	---	74.00	20.85	1000.000	100.0	V	80.0	-3.9
1595.166000	---	25.10	54.00	28.90	1000.000	100.0	V	80.0	-3.9
2993.950000	---	35.00	54.00	19.00	1000.000	361.0	H	321.0	0.4
2993.950000	51.22	---	74.00	22.78	1000.000	361.0	H	321.0	0.4
8978.634000	49.93	---	74.00	24.07	1000.000	400.0	V	7.0	6.2
8978.634000	---	33.04	54.00	20.96	1000.000	400.0	V	7.0	6.2

**Test Mode – 802.11n(HT20) –Highest Channel-2 462 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 592.986	57.60	-	74.00	16.40	100.0	V	82.0	-3.9	3.52
1 592.986	-	28.54	54.00	25.46	100.0	V	82.0	-3.9	3.52
2 481.973	68.15	-	74.00	5.85	179.0	V	0.0	0.8	3.52
2 481.973	-	46.90	54.00	7.10	179.0	V	0.0	0.8	3.52
#2 492.548	53.78	-	74.00	20.22	150.0	V	0.0	0.8	3.52
#2 492.548	-	39.74	54.00	14.26	150.0	V	0.0	0.8	3.52
2 995.923	53.92	-	74.00	20.08	297.0	H	318.0	0.4	3.52
2 995.923	-	37.63	54.00	16.37	297.0	H	318.0	0.4	3.52
4 040.088	48.80	-	74.00	25.20	213.0	V	51.0	2.0	3.52
4 040.088	-	33.45	54.00	20.55	213.0	V	51.0	2.0	3.52
8 974.502	53.28	-	74.00	20.72	101.0	V	64.0	6.1	3.52
8 974.502	-	36.31	54.00	17.69	101.0	V	64.0	6.1	3.52

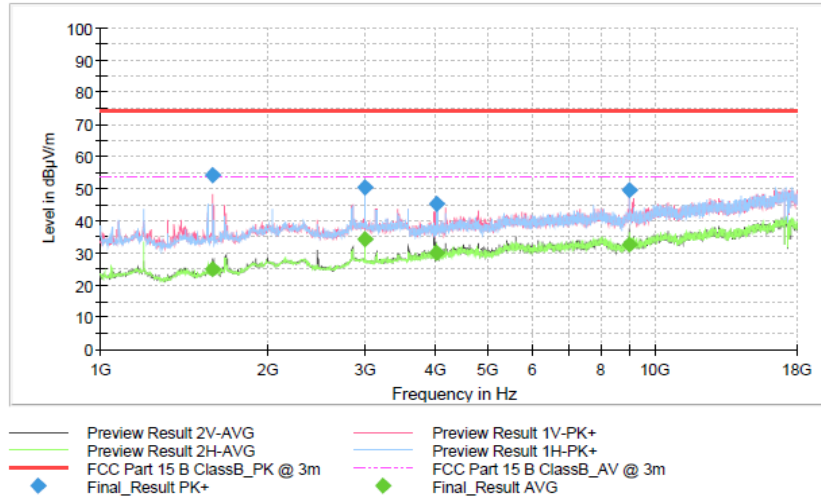
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

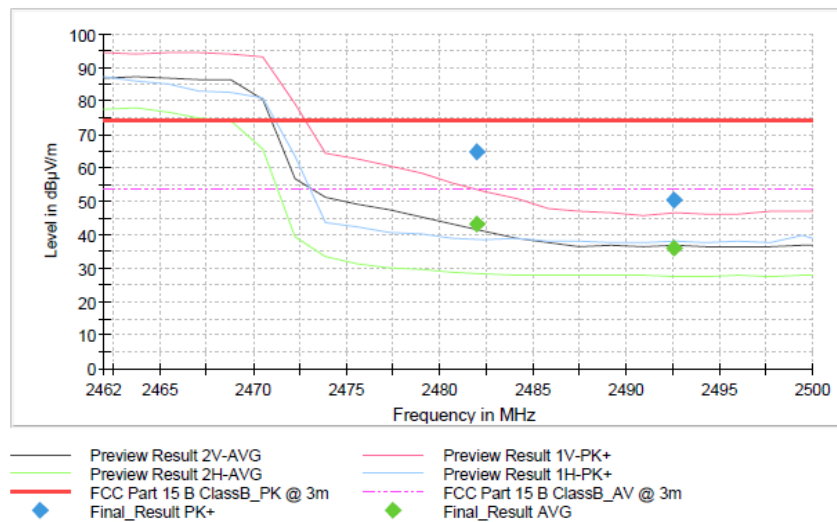
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1592.986000	---	25.02	54.00	28.98	1000.000	100.0	V	82.0	-3.9
1592.986000	54.08	---	74.00	19.92	1000.000	100.0	V	82.0	-3.9
2995.923000	---	34.11	54.00	19.89	1000.000	297.0	H	318.0	0.4
2995.923000	50.40	---	74.00	23.60	1000.000	297.0	H	318.0	0.4
4040.087500	45.28	---	74.00	28.72	1000.000	213.0	V	51.0	2.0
4040.087500	---	29.93	54.00	24.07	1000.000	213.0	V	51.0	2.0
8974.501500	49.76	---	74.00	24.24	1000.000	101.0	V	64.0	6.1
8974.501500	---	32.79	54.00	21.21	1000.000	101.0	V	64.0	6.1

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2481.972500	---	43.38	54.00	10.62	1000.000	179.0	V	0.0	0.8
2481.972500	64.63	---	74.00	9.37	1000.000	179.0	V	0.0	0.8
2492.548000	---	36.22	54.00	17.78	1000.000	150.0	V	0.0	0.8
2492.548000	50.26	---	74.00	23.74	1000.000	150.0	V	0.0	0.8

**Test Mode – 802.11n(HT40) –Lowest Channel-2 422 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 197.449	47.19	-	74.00	26.81	115.0	H	35.0	-4.0	3.52
1 197.449	-	34.89	54.00	19.11	115.0	H	35.0	-4.0	3.52
1 597.358	56.60	-	74.00	17.40	100.0	V	79.0	-3.9	3.52
1 597.358	-	28.81	54.00	25.19	100.0	V	79.0	-3.9	3.52
#2 379.381	55.70	-	74.00	18.30	100.0	V	338.0	0.5	3.52
#2 379.381	-	39.68	54.00	14.32	100.0	V	338.0	0.5	3.52
#2 387.291	60.37	-	74.00	13.63	164.0	V	334.0	0.5	3.52
#2 387.291	-	41.88	54.00	12.12	164.0	V	334.0	0.5	3.52
2 992.056	50.54	-	74.00	23.46	228.0	V	199.0	0.4	3.52
2 992.056	-	34.85	54.00	19.15	228.0	V	199.0	0.4	3.52
8 981.050	53.68	-	74.00	20.32	150.0	V	11.0	6.2	3.52
8 981.050	-	36.72	54.00	17.28	150.0	V	11.0	6.2	3.52

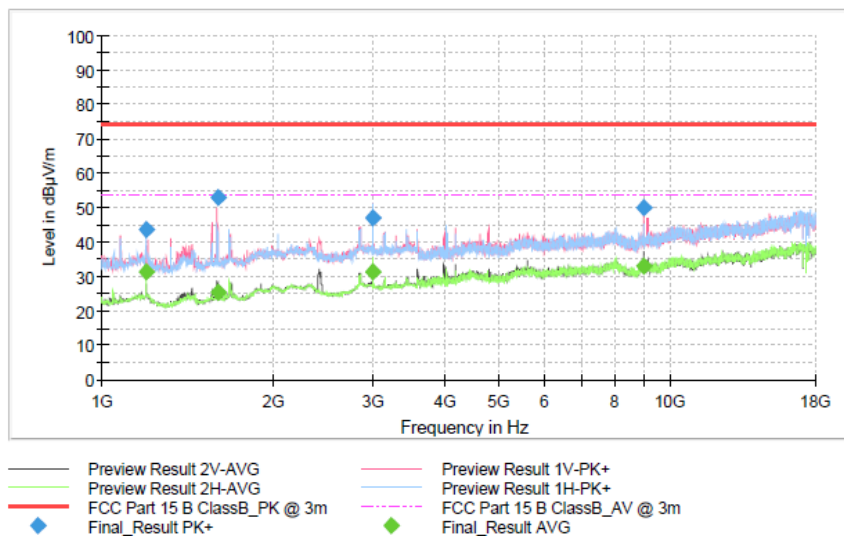
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

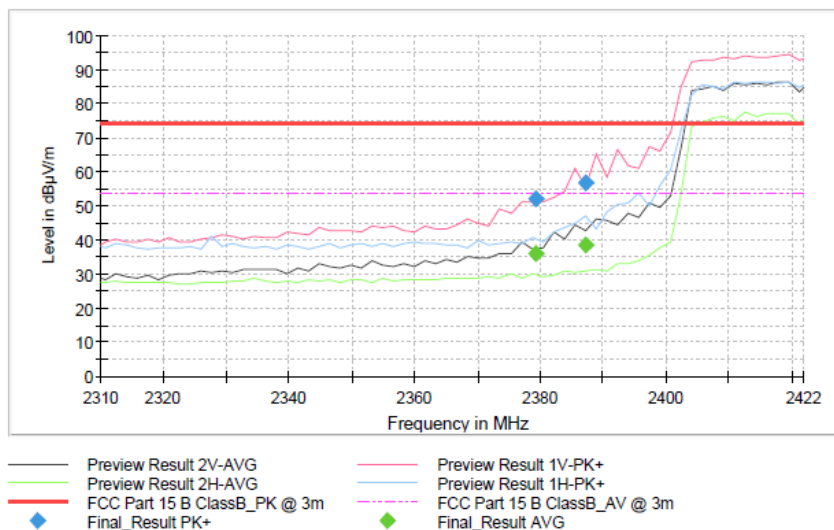
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1197.449000	---	31.37	54.00	22.63	1000.000	115.0	H	35.0	-4.0
1197.449000	43.67	---	74.00	30.33	1000.000	115.0	H	35.0	-4.0
1597.357500	53.08	---	74.00	20.92	1000.000	100.0	V	79.0	-3.9
1597.357500	---	25.29	54.00	28.71	1000.000	100.0	V	79.0	-3.9
2992.055500	---	31.33	54.00	22.67	1000.000	228.0	V	199.0	0.4
2992.055500	47.02	---	74.00	26.98	1000.000	228.0	V	199.0	0.4
8981.050000	50.16	---	74.00	23.84	1000.000	150.0	V	11.0	6.2
8981.050000	---	33.20	54.00	20.80	1000.000	150.0	V	11.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2379.381000	---	36.16	54.00	17.84	1000.000	100.0	V	338.0	0.5
2379.381000	52.18	---	74.00	21.82	1000.000	100.0	V	338.0	0.5
2387.290500	---	38.36	54.00	15.64	1000.000	164.0	V	334.0	0.5
2387.290500	56.85	---	74.00	17.15	1000.000	164.0	V	334.0	0.5

**Test Mode – 802.11n(HT40) –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 079.979	50.35	-	74.00	23.65	100.0	V	109.0	-3.7	3.52
1 079.979	-	27.78	54.00	26.22	100.0	V	109.0	-3.7	3.52
1 596.613	58.14	-	74.00	15.86	400.0	V	3.0	-3.9	3.52
1 596.613	-	29.21	54.00	24.79	400.0	V	3.0	-3.9	3.52
2 999.902	54.77	-	74.00	19.23	297.0	H	317.0	0.4	3.52
2 999.902	-	36.17	54.00	17.83	297.0	H	317.0	0.4	3.52
8 982.452	56.30	-	74.00	17.70	400.0	V	19.0	6.2	3.52
8 982.452	-	38.17	54.00	15.83	400.0	V	19.0	6.2	3.52

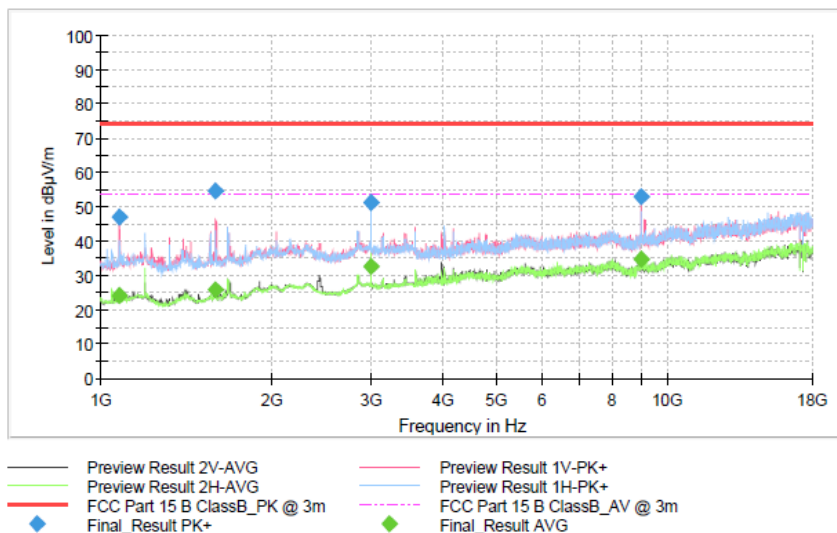
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1079.979000	---	24.26	54.00	29.74	1000.000	100.0	V	109.0	-3.7
1079.979000	46.83	---	74.00	27.17	1000.000	100.0	V	109.0	-3.7
1596.613000	54.62	---	74.00	19.38	1000.000	400.0	V	3.0	-3.9
1596.613000	---	25.69	54.00	28.31	1000.000	400.0	V	3.0	-3.9
2999.901500	---	32.65	54.00	21.35	1000.000	297.0	H	317.0	0.4
2999.901500	51.25	---	74.00	22.75	1000.000	297.0	H	317.0	0.4
8982.451500	52.78	---	74.00	21.22	1000.000	400.0	V	19.0	6.2
8982.451500	---	34.65	54.00	19.35	1000.000	400.0	V	19.0	6.2

**Test Mode – 802.11n(HT40) –Highest Channel-2 452 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 560.069	49.88	-	74.00	24.12	400.0	H	65.0	-4.2	3.52
1 560.069	-	28.04	54.00	25.96	400.0	H	65.0	-4.2	3.52
2 481.733	62.20	-	74.00	11.80	137.0	V	321.0	0.8	3.52
2 481.733	-	42.27	54.00	11.73	137.0	V	321.0	0.8	3.52
#2 489.369	64.88	-	74.00	9.12	150.0	V	357.0	0.8	3.52
#2 489.369	-	44.31	54.00	9.69	150.0	V	357.0	0.8	3.52
3 000.034	55.61	-	74.00	18.39	400.0	V	38.0	0.4	3.52
3 000.034	-	36.31	54.00	17.69	400.0	V	38.0	0.4	3.52
4 046.047	51.52	-	74.00	22.48	354.0	H	291.0	2.0	3.52
4 046.047	-	34.79	54.00	19.21	354.0	H	291.0	2.0	3.52
8 999.562	54.26	-	74.00	19.74	116.0	V	65.0	6.2	3.52
8 999.562	-	36.55	54.00	17.45	116.0	V	65.0	6.2	3.52

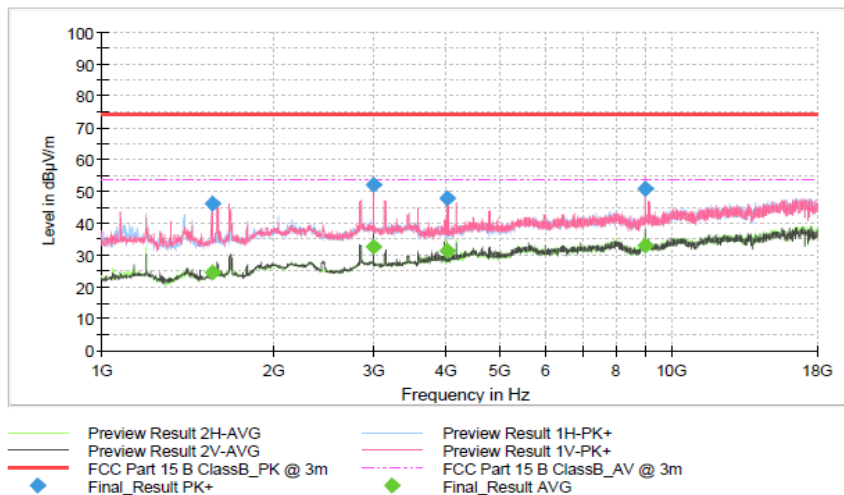
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

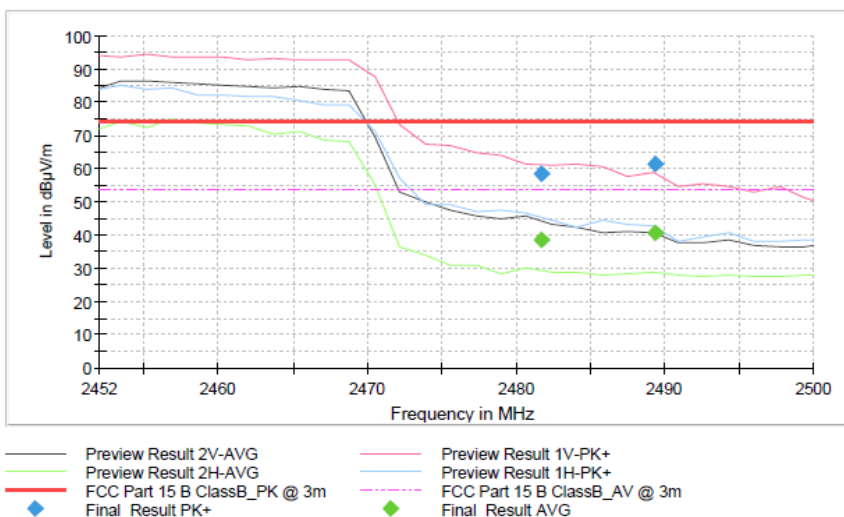
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1560.069000	46.36	---	74.00	27.64	1000.000	400.0	H	65.0	-4.2
1560.069000	---	24.52	54.00	29.48	1000.000	400.0	H	65.0	-4.2
3000.034000	---	32.79	54.00	21.21	1000.000	400.0	V	38.0	0.4
3000.034000	52.09	---	74.00	21.91	1000.000	400.0	V	38.0	0.4
4046.047000	48.00	---	74.00	26.00	1000.000	354.0	H	291.0	2.0
4046.047000	---	31.27	54.00	22.73	1000.000	354.0	H	291.0	2.0
8999.562000	---	33.03	54.00	20.97	1000.000	116.0	V	65.0	6.2
8999.562000	50.74	---	74.00	23.26	1000.000	116.0	V	65.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2481.733000	---	38.75	54.00	15.25	1000.000	137.0	V	321.0	0.8
2481.733000	58.68	---	74.00	15.32	1000.000	137.0	V	321.0	0.8
2489.368500	---	40.79	54.00	13.21	1000.000	150.0	V	357.0	0.8
2489.368500	61.36	---	74.00	12.64	1000.000	150.0	V	357.0	0.8

**ANT2****1 GHz ~ 18 GHz****Test Mode – 802.11b –Lowest Channel-2 412 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 197.420	48.43	-	74.00	22.93	383.0	V	353.0	-3.9	3.52
1 197.420	-	36.36	54.00	26.88	383.0	V	353.0	-3.9	3.52
#2 376.333	52.95	-	74.00	16.46	150.0	V	330.0	0.5	3.52
#2 376.333	-	34.22	54.00	17.07	150.0	V	330.0	0.5	3.52
#2 386.300	57.82	-	74.00	14.09	194.0	V	291.0	0.5	3.52
#2 386.300	-	36.11	54.00	19.56	194.0	V	291.0	0.5	3.52
2 991.671	53.17	-	74.00	20.46	311.0	V	34.0	0.4	3.52
2 991.671	-	35.96	54.00	16.55	311.0	V	34.0	0.4	3.52
8 999.745	59.58	-	74.00	17.86	137.0	V	83.0	6.2	3.52
8 999.745	-	38.54	54.00	15.87	137.0	V	83.0	6.2	3.52

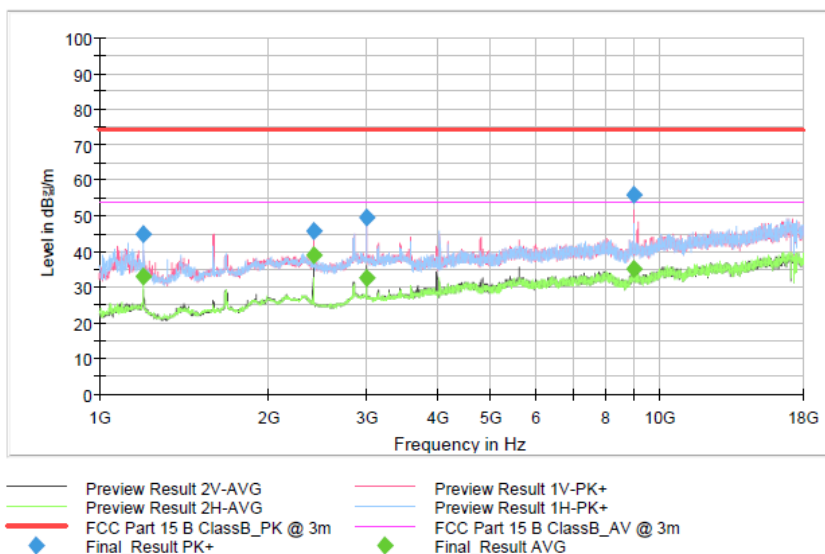
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

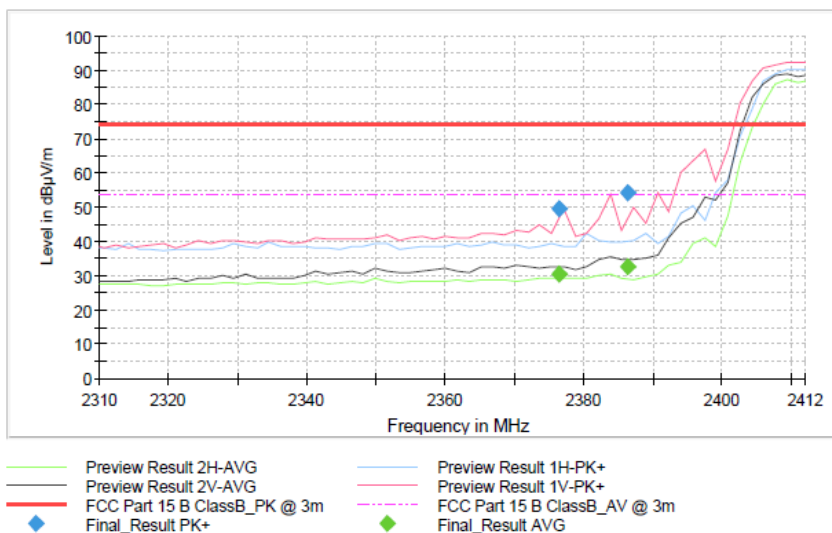
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1197.419500	44.91	---	74.00	29.09	1000.000	100.0	H	35.0	-4.0
1197.419500	---	32.84	54.00	21.16	1000.000	100.0	H	35.0	-4.0
2991.670500	---	32.44	54.00	21.56	1000.000	100.0	V	204.0	0.4
2991.670500	49.65	---	74.00	24.35	1000.000	100.0	V	204.0	0.4
8999.745000	---	35.02	54.00	18.98	1000.000	116.0	V	70.0	6.2
8999.745000	56.06	---	74.00	17.94	1000.000	116.0	V	70.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2376.332500	49.43	---	74.00	24.57	1000.000	153.0	V	37.0	0.5
2376.332500	---	30.70	54.00	23.30	1000.000	153.0	V	37.0	0.5
2386.299500	54.30	---	74.00	19.70	1000.000	115.0	V	35.0	0.5
2386.299500	---	32.59	54.00	21.41	1000.000	115.0	V	35.0	0.5

**Test Mode – 802.11b –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 198.481	48.50	-	74.00	25.50	137.0	H	42.0	-4.0	3.52
1 198.481	-	36.68	54.00	17.32	137.0	H	42.0	-4.0	3.52
2 992.264	50.16	-	74.00	23.84	383.0	V	198.0	0.4	3.52
2 992.264	-	34.58	54.00	19.42	383.0	V	198.0	0.4	3.52
8 976.787	52.54	-	74.00	21.46	115.0	V	66.0	6.2	3.52
8 976.787	-	36.32	54.00	17.68	115.0	V	66.0	6.2	3.52

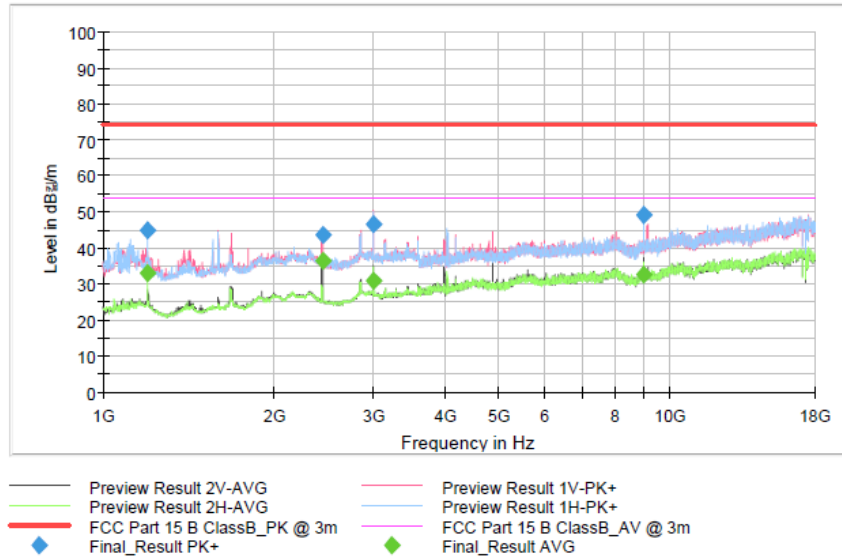
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1198.481000	---	33.16	54.00	20.84	1000.000	137.0	H	42.0	-4.0
1198.481000	44.98	---	74.00	29.02	1000.000	137.0	H	42.0	-4.0
2992.264000	---	31.06	54.00	22.94	1000.000	383.0	V	198.0	0.4
2992.264000	46.64	---	74.00	27.36	1000.000	383.0	V	198.0	0.4
8976.787000	49.02	---	74.00	24.98	1000.000	115.0	V	66.0	6.2
8976.787000	---	32.80	54.00	21.20	1000.000	115.0	V	66.0	6.2

**Test Mode – 802.11b –Highest Channel-2 462 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 594.717	48.97	-	74.00	25.03	143.0	H	22.0	-3.9	3.52
1 594.717	-	26.85	54.00	27.15	143.0	H	22.0	-3.9	3.52
2 483.406	67.32	-	74.00	6.68	177.0	V	332.0	0.8	3.52
2 483.406	-	37.02	54.00	16.98	177.0	V	332.0	0.8	3.52
#2 489.564	63.96	-	74.00	10.04	150.0	V	35.0	0.8	3.52
#2 489.564	-	38.52	54.00	15.48	150.0	V	35.0	0.8	3.52
2 993.712	55.75	-	74.00	18.25	101.0	V	213.0	0.4	3.52
2 993.712	-	39.28	54.00	14.72	101.0	V	213.0	0.4	3.52
4 046.130	52.30	-	74.00	21.70	378.0	H	288.0	2.0	3.52
4 046.130	-	35.41	54.00	18.59	378.0	H	288.0	2.0	3.52
8 999.628	58.10	-	74.00	15.90	150.0	V	68.0	6.2	3.52
8 999.628	-	38.13	54.00	15.87	150.0	V	68.0	6.2	3.52

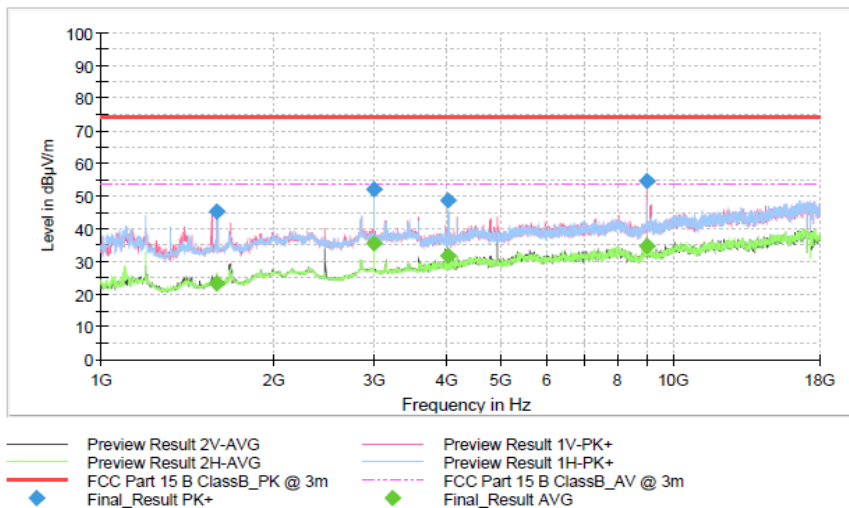
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

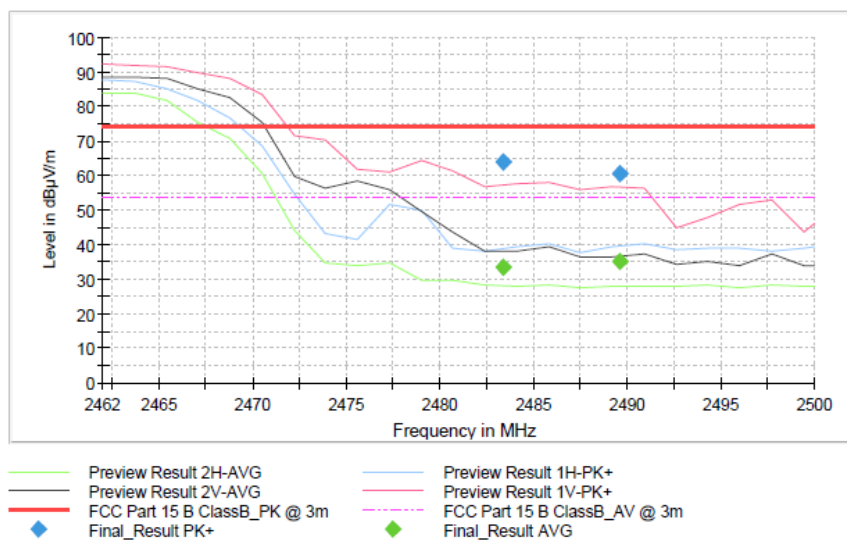
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1594.717000	---	23.33	54.00	30.67	1000.000	143.0	H	22.0	-3.9
1594.717000	45.45	---	74.00	28.55	1000.000	143.0	H	22.0	-3.9
2993.711500	52.23	---	74.00	21.77	1000.000	101.0	V	213.0	0.4
2993.711500	---	35.76	54.00	18.24	1000.000	101.0	V	213.0	0.4
4046.129500	---	31.89	54.00	22.11	1000.000	378.0	H	288.0	2.0
4046.129500	48.78	---	74.00	25.22	1000.000	378.0	H	288.0	2.0
8999.628000	54.58	---	74.00	19.42	1000.000	150.0	V	68.0	6.2
8999.628000	---	34.61	54.00	19.39	1000.000	150.0	V	68.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.406000	---	33.50	54.00	20.50	1000.000	177.0	V	332.0	0.8
2483.406000	63.80	---	74.00	10.20	1000.000	177.0	V	332.0	0.8
2489.563500	---	35.00	54.00	19.00	1000.000	150.0	V	35.0	0.8
2489.563500	60.44	---	74.00	13.56	1000.000	150.0	V	35.0	0.8

**Test Mode – 802.11g –Lowest Channel-2 412 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 594.905	56.47	-	74.00	17.53	400.0	V	0.0	-3.9	3.52
1 594.905	-	29.47	54.00	24.53	400.0	V	0.0	-3.9	3.52
1 683.570	51.56	-	74.00	22.44	292.0	V	0.0	-3.1	3.52
1 683.570	-	31.88	54.00	22.12	292.0	V	0.0	-3.1	3.52
#2 367.715	54.70	-	74.00	19.30	100.0	V	7.0	0.5	3.52
#2 367.715	-	38.18	54.00	15.82	100.0	V	7.0	0.5	3.52
#2 378.670	50.79	-	74.00	23.21	100.0	V	228.0	0.5	3.52
#2 378.670	-	36.95	54.00	17.05	100.0	V	228.0	0.5	3.52
2 993.790	55.54	-	74.00	18.46	400.0	V	354.0	0.4	3.52
2 993.790	-	39.06	54.00	14.94	400.0	V	354.0	0.4	3.52
8 993.292	57.24	-	74.00	16.76	114.0	V	81.0	6.2	3.52
8 993.292	-	38.53	54.00	15.47	114.0	V	81.0	6.2	3.52

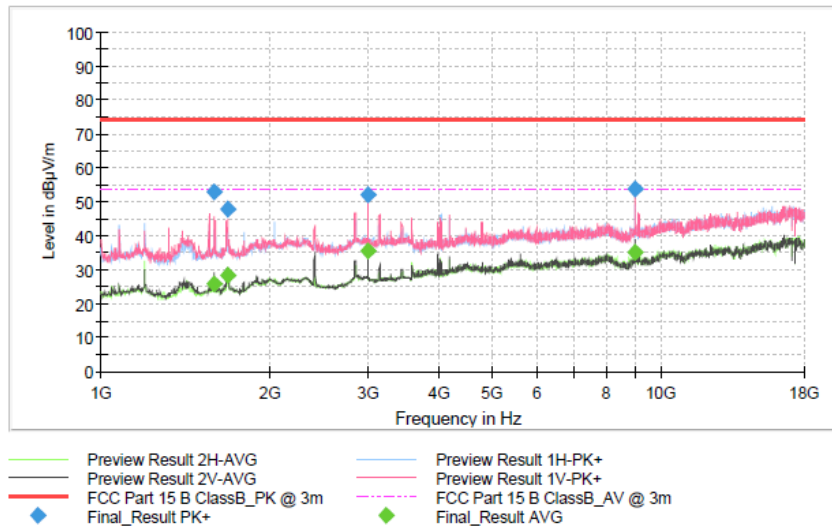
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

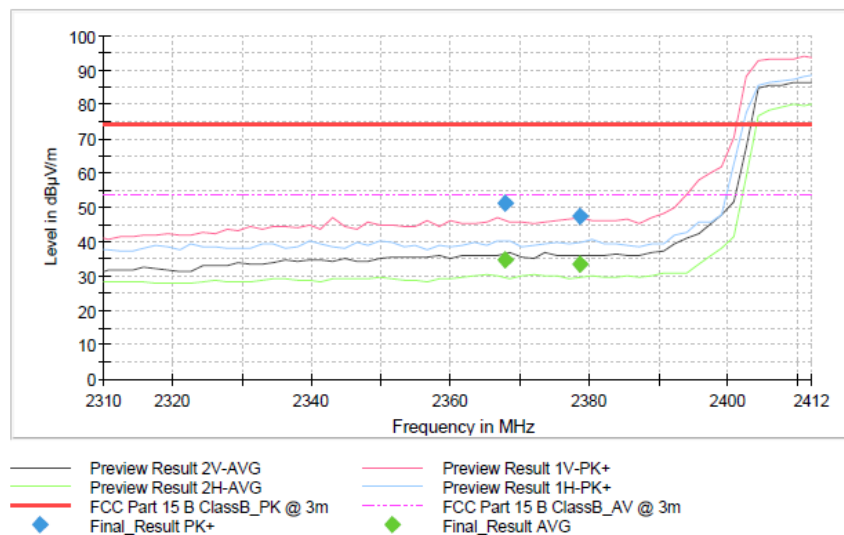
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1594.905000	52.95	---	74.00	21.05	1000.000	400.0	V	0.0	-3.9
1594.905000	---	25.95	54.00	28.06	1000.000	400.0	V	0.0	-3.9
1683.570000	---	28.36	54.00	25.64	1000.000	292.0	V	0.0	-3.1
1683.570000	48.04	---	74.00	25.96	1000.000	292.0	V	0.0	-3.1
2993.789500	---	35.54	54.00	18.46	1000.000	400.0	V	354.0	0.4
2993.789500	52.02	---	74.00	21.98	1000.000	400.0	V	354.0	0.4
8993.291500	53.72	---	74.00	20.28	1000.000	114.0	V	81.0	6.2
8993.291500	---	35.01	54.00	18.99	1000.000	114.0	V	81.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2367.715000	51.18	---	74.00	22.83	1000.000	100.0	V	7.0	0.5
2367.715000	---	34.66	54.00	19.34	1000.000	100.0	V	7.0	0.5
2378.669500	47.27	---	74.00	26.73	1000.000	100.0	V	228.0	0.5
2378.669500	---	33.43	54.00	20.57	1000.000	100.0	V	228.0	0.5

**Test Mode – 802.11g –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 599.554	53.15	-	74.00	20.85	150.0	V	67.0	-3.9	3.52
1 599.554	-	28.14	54.00	25.86	150.0	V	67.0	-3.9	3.52
1 683.739	52.83	-	74.00	21.17	306.0	V	0.0	-3.1	3.52
1 683.739	-	31.78	54.00	22.22	306.0	V	0.0	-3.1	3.52
2 994.514	55.40	-	74.00	18.60	400.0	V	353.0	0.4	3.52
2 994.514	-	38.75	54.00	15.25	400.0	V	353.0	0.4	3.52
8 980.999	53.06	-	74.00	20.94	115.0	V	65.0	6.2	3.52
8 980.999	-	36.16	54.00	17.84	115.0	V	65.0	6.2	3.52

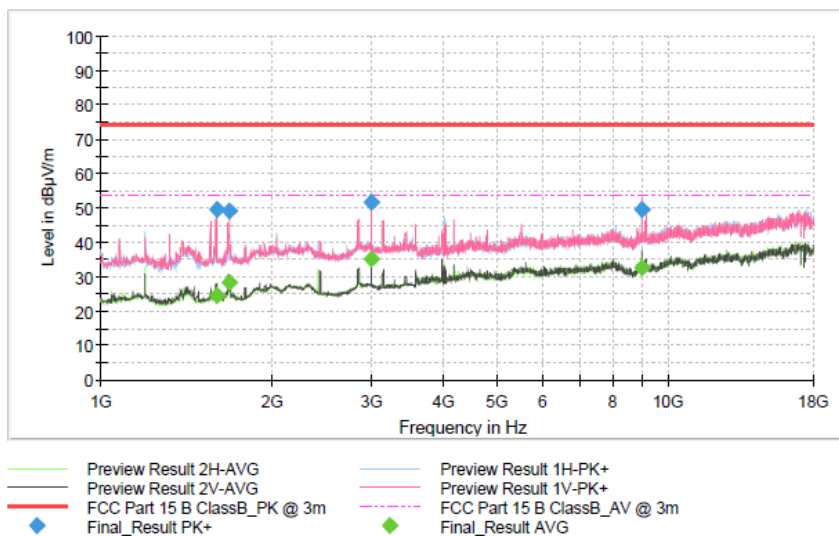
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1599.553500	---	24.62	54.00	29.38	1000.000	150.0	V	67.0	-3.9
1599.553500	49.63	---	74.00	24.37	1000.000	150.0	V	67.0	-3.9
1683.738500	49.31	---	74.00	24.69	1000.000	306.0	V	0.0	-3.1
1683.738500	---	28.26	54.00	25.74	1000.000	306.0	V	0.0	-3.1
2994.513500	---	35.23	54.00	18.77	1000.000	400.0	V	353.0	0.4
2994.513500	51.88	---	74.00	22.12	1000.000	400.0	V	353.0	0.4
8980.999000	49.54	---	74.00	24.46	1000.000	115.0	V	65.0	6.2
8980.999000	---	32.64	54.00	21.36	1000.000	115.0	V	65.0	6.2

**Test Mode – 802.11g –Highest Channel-2 462 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 594.701	55.48	-	74.00	18.52	400.0	V	0.0	-3.9	3.52
1 594.701	-	29.11	54.00	24.89	400.0	V	0.0	-3.9	3.52
#2 488.429	52.09	-	74.00	21.91	115.0	V	334.0	0.8	3.52
#2 488.429	-	38.81	54.00	15.19	115.0	V	334.0	0.8	3.52
#2 495.946	53.44	-	74.00	20.56	137.0	V	0.0	0.8	3.52
#2 495.946	-	39.60	54.00	14.40	137.0	V	0.0	0.8	3.52
2 996.374	52.42	-	74.00	21.58	363.0	H	311.0	0.4	3.52
2 996.374	-	36.49	54.00	17.51	363.0	H	311.0	0.4	3.52
4 042.773	52.08	-	74.00	21.92	227.0	H	294.0	2.0	3.52
4 042.773	-	35.44	54.00	18.56	227.0	H	294.0	2.0	3.52
8 986.640	55.32	-	74.00	18.68	115.0	V	84.0	6.2	3.52
8 986.640	-	37.47	54.00	16.53	115.0	V	84.0	6.2	3.52

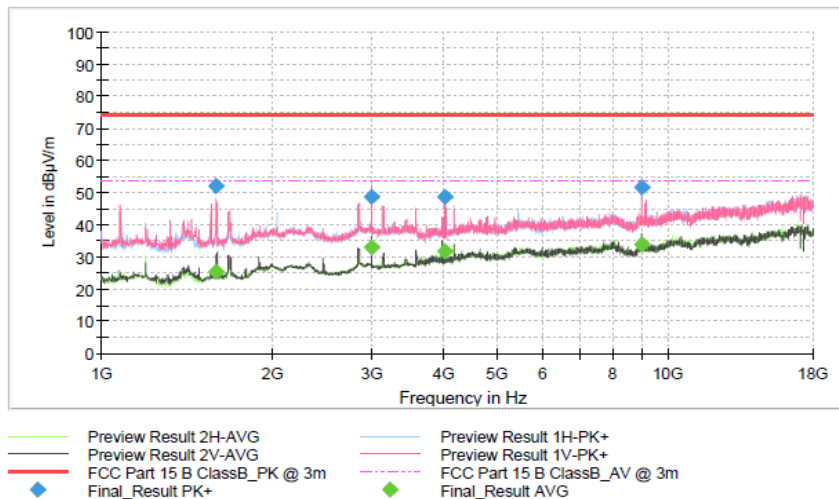
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

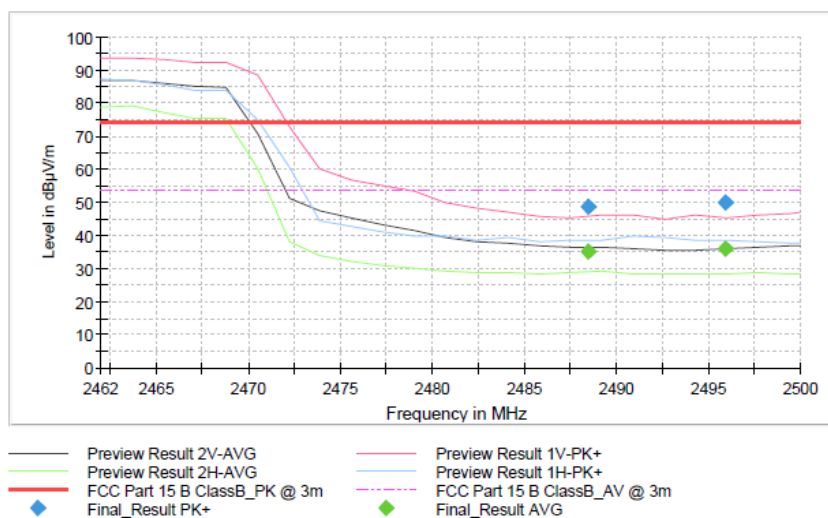
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1594.701000	51.96	---	74.00	22.04	1000.000	400.0	V	0.0	-3.9
1594.701000	---	25.59	54.00	28.41	1000.000	400.0	V	0.0	-3.9
2996.374000	---	32.97	54.00	21.03	1000.000	363.0	H	311.0	0.4
2996.374000	48.90	---	74.00	25.10	1000.000	363.0	H	311.0	0.4
4042.772500	48.56	---	74.00	25.44	1000.000	227.0	H	294.0	2.0
4042.772500	---	31.92	54.00	22.08	1000.000	227.0	H	294.0	2.0
8986.640000	---	33.95	54.00	20.05	1000.000	115.0	V	84.0	6.2
8986.640000	51.80	---	74.00	22.20	1000.000	115.0	V	84.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2488.428500	48.57	---	74.00	25.43	1000.000	115.0	V	334.0	0.8
2488.428500	---	35.29	54.00	18.71	1000.000	115.0	V	334.0	0.8
2495.945500	49.92	---	74.00	24.08	1000.000	137.0	V	0.0	0.8
2495.945500	---	36.08	54.00	17.92	1000.000	137.0	V	0.0	0.8

**Test Mode – 802.11n(HT20) –Lowest Channel-2 412 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 594.780	56.30	-	74.00	17.70	100.0	V	22.0	-3.9	3.52
1 594.780	-	28.21	54.00	25.79	100.0	V	22.0	-3.9	3.52
1 684.984	52.64	-	74.00	21.36	100.0	V	8.0	-3.1	3.52
1 684.984	-	30.67	54.00	23.33	100.0	V	8.0	-3.1	3.52
#2 377.204	52.48	-	74.00	21.52	205.0	V	334.0	0.5	3.52
#2 377.204	-	34.46	54.00	19.54	205.0	V	334.0	0.5	3.52
#2 383.059	51.52	-	74.00	22.48	118.0	V	351.0	0.5	3.52
#2 383.059	-	36.79	54.00	17.21	118.0	V	351.0	0.5	3.52
2 999.899	58.19	-	74.00	15.81	400.0	V	41.0	0.4	3.52
2 999.899	-	39.01	54.00	14.99	400.0	V	41.0	0.4	3.52
8 982.953	55.11	-	74.00	18.89	116.0	V	68.0	6.2	3.52
8 982.953	-	37.42	54.00	16.58	116.0	V	68.0	6.2	3.52

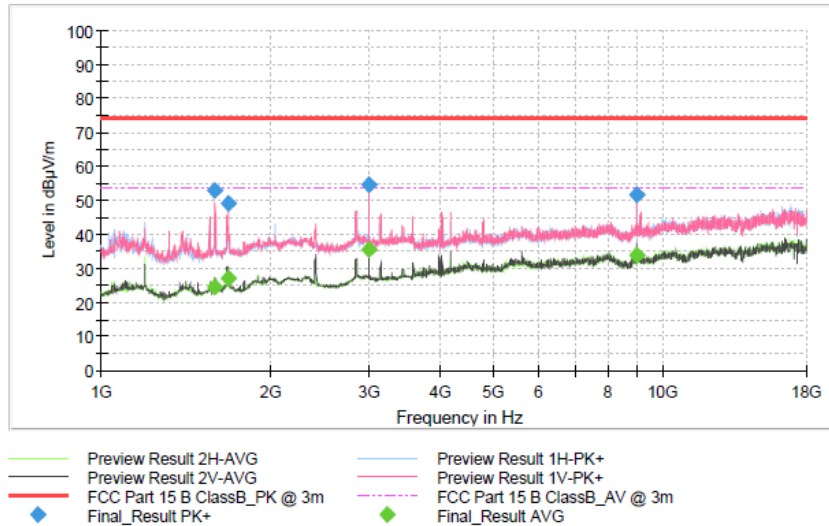
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

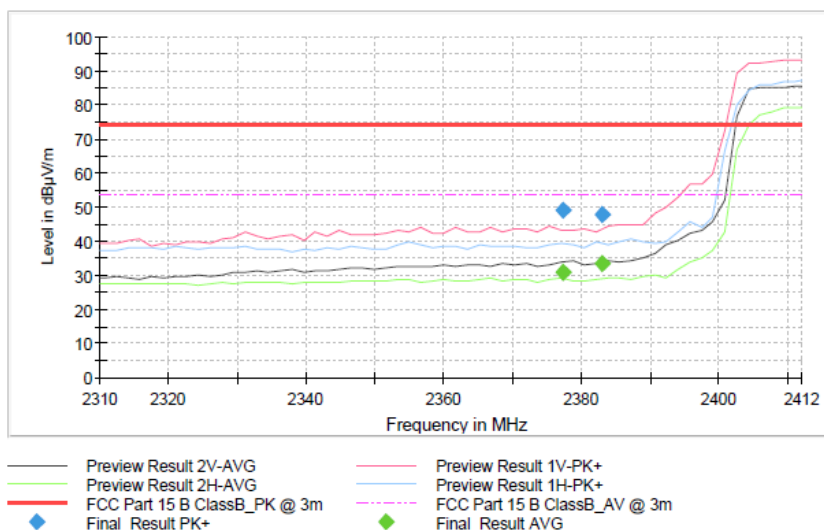
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1594.780000	---	24.69	54.00	29.31	1000.000	100.0	V	22.0	-3.9
1594.780000	52.78	---	74.00	21.22	1000.000	100.0	V	22.0	-3.9
1684.984000	49.12	---	74.00	24.88	1000.000	100.0	V	8.0	-3.1
1684.984000	---	27.15	54.00	26.85	1000.000	100.0	V	8.0	-3.1
2999.899000	---	35.49	54.00	18.51	1000.000	400.0	V	41.0	0.4
2999.899000	54.67	---	74.00	19.33	1000.000	400.0	V	41.0	0.4
8982.953000	51.59	---	74.00	22.41	1000.000	116.0	V	68.0	6.2
8982.953000	---	33.90	54.00	20.10	1000.000	116.0	V	68.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2377.204000	48.96	---	74.00	25.04	1000.000	205.0	V	334.0	0.5
2377.204000	---	30.94	54.00	23.06	1000.000	205.0	V	334.0	0.5
2383.059000	48.00	---	74.00	26.00	1000.000	118.0	V	351.0	0.5
2383.059000	---	33.27	54.00	20.73	1000.000	118.0	V	351.0	0.5

**Test Mode – 802.11n(HT20) –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 592.882	58.31	-	74.00	15.69	400.0	V	3.0	-3.9	3.52
1 592.882	-	28.39	54.00	25.61	400.0	V	3.0	-3.9	3.52
1 675.248	45.08	-	74.00	28.92	270.0	V	317.0	-3.2	3.52
1 675.248	-	27.05	54.00	26.95	270.0	V	317.0	-3.2	3.52
2 997.864	54.74	-	74.00	19.26	308.0	V	35.0	0.4	3.52
2 997.864	-	38.37	54.00	15.63	308.0	V	35.0	0.4	3.52
8 974.328	57.28	-	74.00	16.72	224.0	V	92.0	6.1	3.52
8 974.328	-	37.25	54.00	16.75	224.0	V	92.0	6.1	3.52

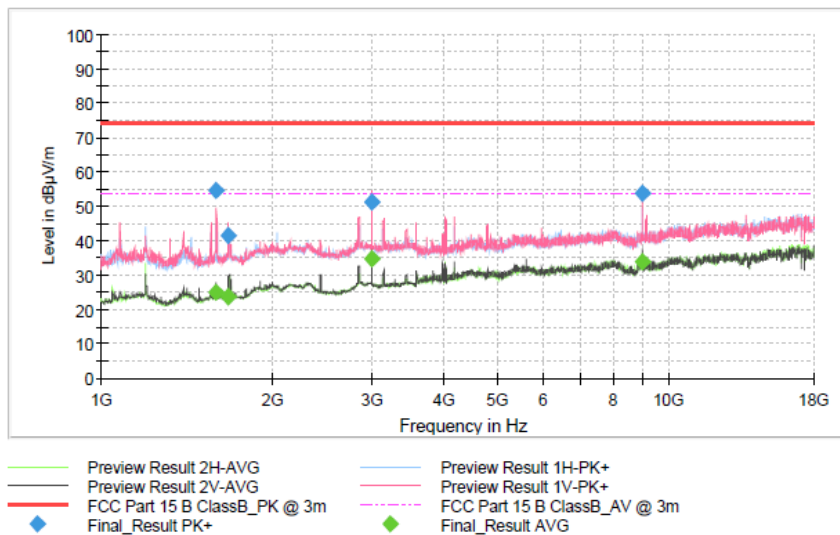
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1592.881500	---	24.87	54.00	29.13	1000.000	400.0	V	3.0	-3.9
1592.881500	54.79	---	74.00	19.21	1000.000	400.0	V	3.0	-3.9
1675.248000	41.56	---	74.00	32.44	1000.000	270.0	V	317.0	-3.2
1675.248000	---	23.53	54.00	30.47	1000.000	270.0	V	317.0	-3.2
2997.863500	---	34.85	54.00	19.15	1000.000	308.0	V	35.0	0.4
2997.863500	51.22	---	74.00	22.78	1000.000	308.0	V	35.0	0.4
8974.328000	53.76	---	74.00	20.24	1000.000	224.0	V	92.0	6.1
8974.328000	---	33.73	54.00	20.27	1000.000	224.0	V	92.0	6.1

**Test Mode – 802.11n(HT20) –Highest Channel-2 462 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 593.235	56.74	-	74.00	17.26	400.0	V	0.0	-3.9	3.52
1 593.235	-	29.48	54.00	24.52	400.0	V	0.0	-3.9	3.52
1 676.277	51.82	-	74.00	22.18	100.0	V	7.0	-3.2	3.52
1 676.277	-	31.16	54.00	22.84	100.0	V	7.0	-3.2	3.52
2 481.627	58.16	-	74.00	15.84	137.0	V	333.0	0.8	3.52
2 481.627	-	39.82	54.00	14.18	137.0	V	333.0	0.8	3.52
#2 492.190	50.44	-	74.00	23.56	116.0	V	0.0	0.8	3.52
#2 492.190	-	36.07	54.00	17.93	116.0	V	0.0	0.8	3.52
2 997.398	56.49	-	74.00	17.51	400.0	V	38.0	0.4	3.52
2 997.398	-	39.95	54.00	14.05	400.0	V	38.0	0.4	3.52
8 984.807	55.76	-	74.00	18.24	115.0	V	68.0	6.2	3.52
8 984.807	-	37.75	54.00	16.25	115.0	V	68.0	6.2	3.52

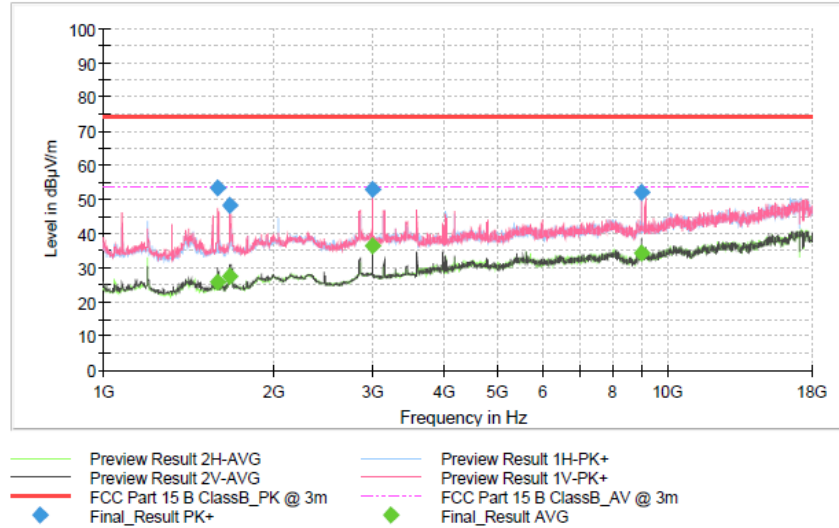
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

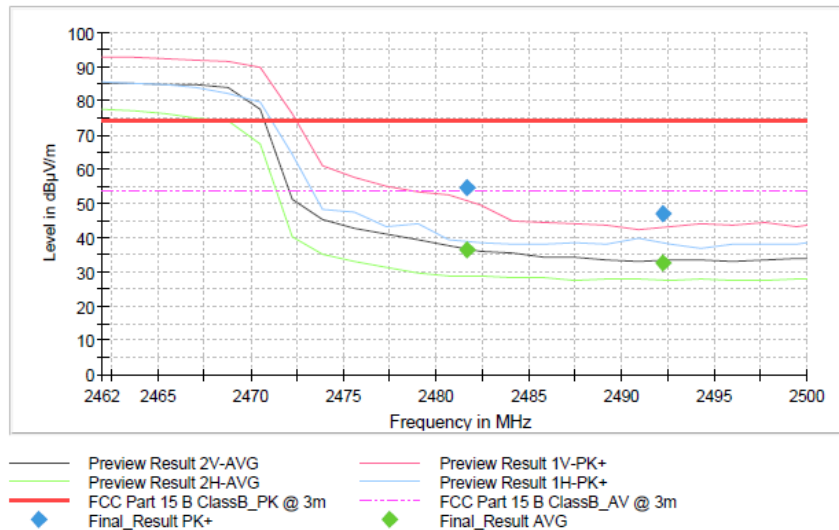
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1593.234500	---	25.96	54.00	28.04	1000.000	400.0	V	0.0	-3.9
1593.234500	53.22	---	74.00	20.78	1000.000	400.0	V	0.0	-3.9
1676.276500	48.30	---	74.00	25.70	1000.000	100.0	V	7.0	-3.2
1676.276500	---	27.64	54.00	26.36	1000.000	100.0	V	7.0	-3.2
2997.397500	---	36.43	54.00	17.57	1000.000	400.0	V	38.0	0.4
2997.397500	52.97	---	74.00	21.03	1000.000	400.0	V	38.0	0.4
8984.807000	52.24	---	74.00	21.76	1000.000	115.0	V	68.0	6.2
8984.807000	---	34.23	54.00	19.77	1000.000	115.0	V	68.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2481.627000	---	36.30	54.00	17.70	1000.000	137.0	V	333.0	0.8
2481.627000	54.64	---	74.00	19.36	1000.000	137.0	V	333.0	0.8
2492.189500	---	32.55	54.00	21.45	1000.000	116.0	V	0.0	0.8
2492.189500	46.92	---	74.00	27.08	1000.000	116.0	V	0.0	0.8

**Test Mode – 802.11n(HT40) –Lowest Channel-2 422 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 197.355	46.70	-	74.00	27.30	100.0	H	24.0	-4.0	3.52
1 197.355	-	34.27	54.00	19.73	100.0	H	24.0	-4.0	3.52
1 595.302	56.91	-	74.00	17.09	400.0	V	6.0	-3.9	3.52
1 595.302	-	29.61	54.00	24.39	400.0	V	6.0	-3.9	3.52
#2 386.857	61.64	-	74.00	12.36	115.0	V	337.0	0.5	3.52
#2 386.857	-	41.82	54.00	12.18	115.0	V	337.0	0.5	3.52
#2 389.926	60.96	-	74.00	13.04	115.0	V	340.0	0.5	3.52
#2 389.926	-	44.74	54.00	9.26	115.0	V	340.0	0.5	3.52
2 995.591	55.59	-	74.00	18.41	194.0	H	327.0	0.4	3.52
2 995.591	-	39.15	54.00	14.85	194.0	H	327.0	0.4	3.52
8 995.521	55.86	-	74.00	18.14	150.0	V	68.0	6.2	3.52
8 995.521	-	37.74	54.00	16.26	150.0	V	68.0	6.2	3.52

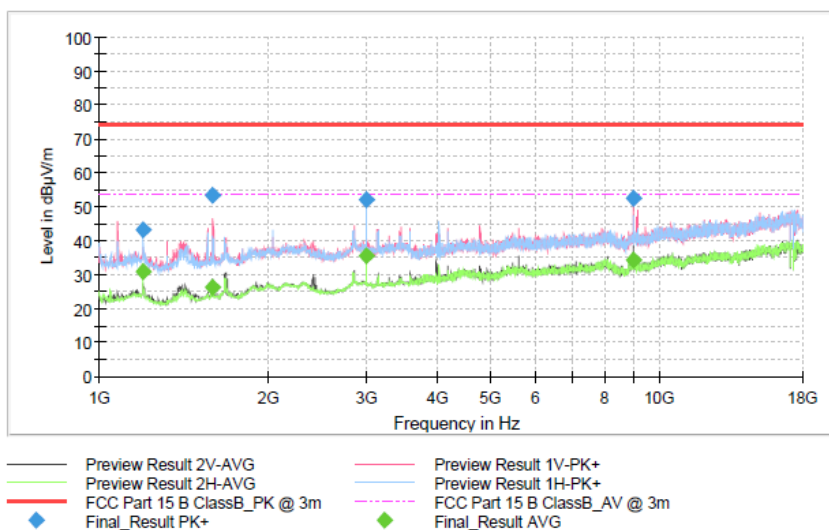
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

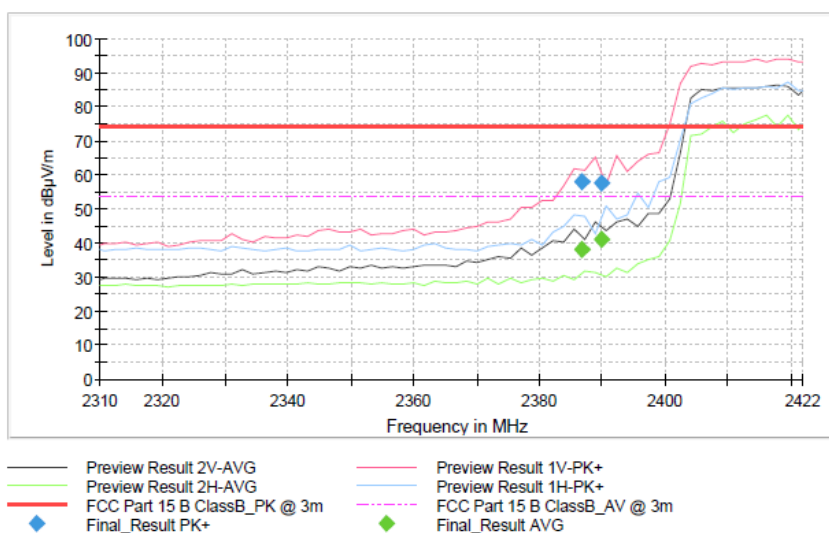
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1197.354500	---	30.75	54.00	23.25	1000.000	100.0	H	24.0	-4.0
1197.354500	43.18	---	74.00	30.82	1000.000	100.0	H	24.0	-4.0
1595.301500	53.39	---	74.00	20.61	1000.000	400.0	V	6.0	-3.9
1595.301500	---	26.09	54.00	27.91	1000.000	400.0	V	6.0	-3.9
2995.591000	---	35.63	54.00	18.37	1000.000	194.0	H	327.0	0.4
2995.591000	52.07	---	74.00	21.93	1000.000	194.0	H	327.0	0.4
8995.520500	52.34	---	74.00	21.66	1000.000	150.0	V	68.0	6.2
8995.520500	---	34.22	54.00	19.78	1000.000	150.0	V	68.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2386.857000	---	38.30	54.00	15.70	1000.000	115.0	V	337.0	0.5
2386.857000	58.12	---	74.00	15.88	1000.000	115.0	V	337.0	0.5
2389.926000	---	41.22	54.00	12.78	1000.000	115.0	V	340.0	0.5
2389.926000	57.44	---	74.00	16.56	1000.000	115.0	V	340.0	0.5

**Test Mode – 802.11n(HT40) –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 592.811	55.57	-	74.00	18.43	400.0	V	0.0	-3.9	3.52
1 592.811	-	28.82	54.00	25.18	400.0	V	0.0	-3.9	3.52
1 684.786	52.89	-	74.00	21.11	100.0	V	6.0	-3.1	3.52
1 684.786	-	30.66	54.00	23.34	100.0	V	6.0	-3.1	3.52
2 993.935	55.18	-	74.00	18.82	369.0	H	305.0	0.4	3.52
2 993.935	-	38.53	54.00	15.47	369.0	H	305.0	0.4	3.52
8 974.542	56.60	-	74.00	17.40	386.0	V	20.0	6.1	3.52
8 974.542	-	37.24	54.00	16.76	386.0	V	20.0	6.1	3.52

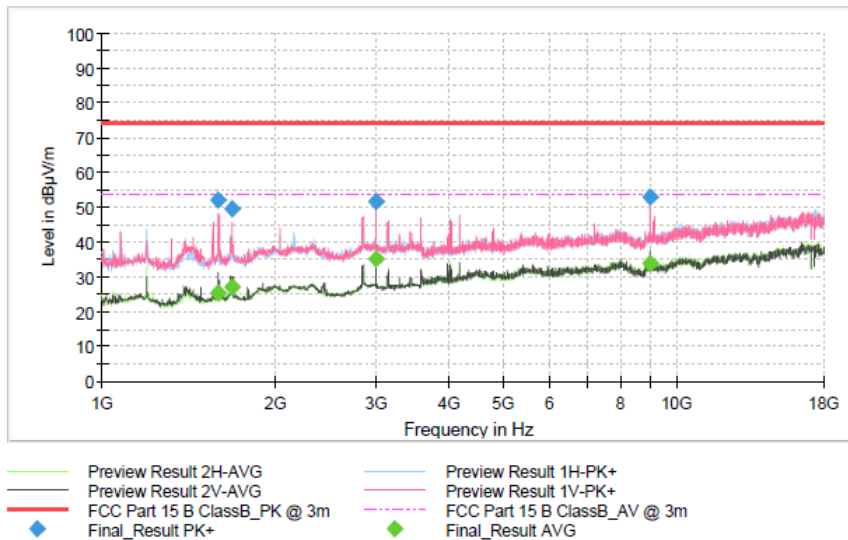
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1592.810500	---	25.30	54.00	28.70	1000.000	400.0	V	0.0	-3.9
1592.810500	52.05	---	74.00	21.95	1000.000	400.0	V	0.0	-3.9
1684.786000	49.37	---	74.00	24.63	1000.000	100.0	V	6.0	-3.1
1684.786000	---	27.14	54.00	26.86	1000.000	100.0	V	6.0	-3.1
2993.934500	---	35.01	54.00	18.99	1000.000	369.0	H	305.0	0.4
2993.934500	51.66	---	74.00	22.34	1000.000	369.0	H	305.0	0.4
8974.542000	53.08	---	74.00	20.92	1000.000	386.0	V	20.0	6.1
8974.542000	---	33.72	54.00	20.28	1000.000	386.0	V	20.0	6.1

**Test Mode – 802.11n(HT40) –Highest Channel-2 452 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 596.280	56.97	-	74.00	17.03	400.0	V	0.0	-3.9	3.52
1 596.280	-	29.47	54.00	24.53	400.0	V	0.0	-3.9	3.52
1 684.879	54.16	-	74.00	19.84	309.0	V	0.0	-3.1	3.52
1 684.879	-	31.17	54.00	22.83	309.0	V	0.0	-3.1	3.52
#2 484.321	68.35	-	74.00	5.65	137.0	V	0.0	0.8	3.52
#2 484.321	-	46.24	54.00	7.76	137.0	V	0.0	0.8	3.52
#2 489.263	61.97	-	74.00	12.03	137.0	V	327.0	0.8	3.52
#2 489.263	-	40.47	54.00	13.53	137.0	V	327.0	0.8	3.52
2 994.246	52.61	-	74.00	21.39	332.0	H	303.0	0.4	3.52
2 994.246	-	36.44	54.00	17.56	332.0	H	303.0	0.4	3.52
8 975.175	52.88	-	74.00	21.12	194.0	V	64.0	6.2	3.52
8 975.175	-	36.27	54.00	17.73	194.0	V	64.0	6.2	3.52

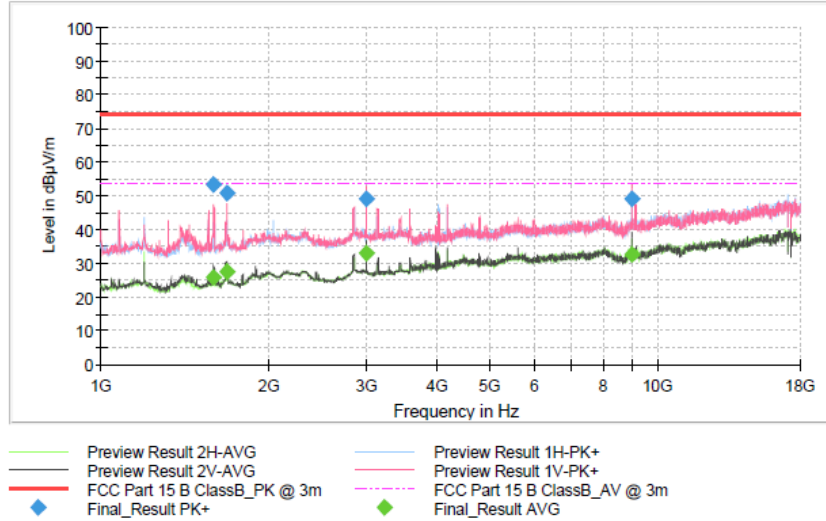
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

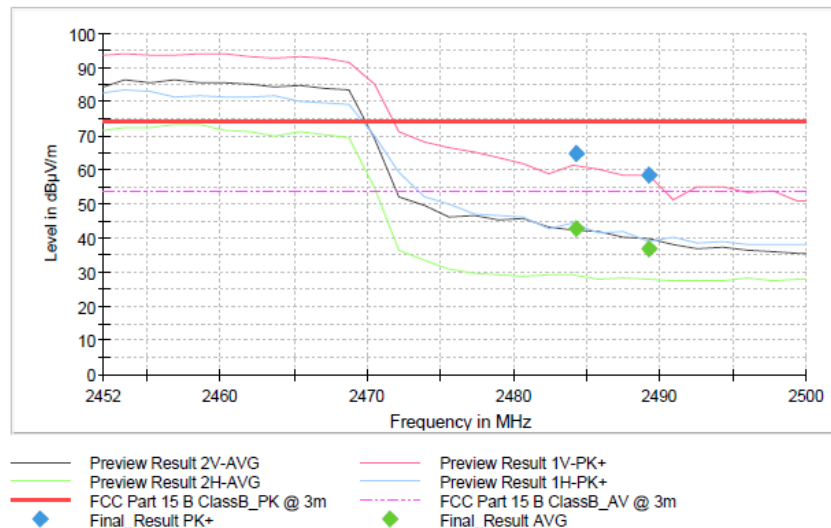
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1596.280000	53.45	---	74.00	20.55	1000.000	400.0	V	0.0	-3.9
1596.280000	---	25.95	54.00	28.05	1000.000	400.0	V	0.0	-3.9
1684.878500	50.64	---	74.00	23.36	1000.000	309.0	V	0.0	-3.1
1684.878500	---	27.65	54.00	26.35	1000.000	309.0	V	0.0	-3.1
2994.245500	49.09	---	74.00	24.91	1000.000	332.0	H	303.0	0.4
2994.245500	---	32.92	54.00	21.08	1000.000	332.0	H	303.0	0.4
8975.175000	49.36	---	74.00	24.64	1000.000	194.0	V	64.0	6.2
8975.175000	---	32.75	54.00	21.25	1000.000	194.0	V	64.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2484.320500	---	42.72	54.00	11.28	1000.000	137.0	V	0.0	0.8
2484.320500	64.83	---	74.00	9.17	1000.000	137.0	V	0.0	0.8
2489.262500	---	36.95	54.00	17.05	1000.000	137.0	V	327.0	0.8
2489.262500	58.45	---	74.00	15.55	1000.000	137.0	V	327.0	0.8

**MIMO****Test Mode – 802.11n(HT20) –Lowest Channel-2 412 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 593.105	56.54	-	74.00	17.46	400.0	V	0.0	-3.9	3.52
1 593.105	-	28.07	54.00	25.93	400.0	V	0.0	-3.9	3.52
#2 373.104	52.12	-	74.00	21.88	193.0	V	7.0	0.5	3.52
#2 373.104	-	37.83	54.00	16.17	193.0	V	7.0	0.5	3.52
2 391.357	66.12	-	74.00	7.88	176.0	V	36.0	0.5	3.52
2 391.357	-	46.65	54.00	7.35	176.0	V	36.0	0.5	3.52
2 995.093	54.54	-	74.00	19.46	400.0	V	37.0	0.4	3.52
2 995.093	-	38.20	54.00	15.80	400.0	V	37.0	0.4	3.52
8 986.560	57.28	-	74.00	16.72	150.0	V	81.0	6.2	3.52
8 986.560	-	38.72	54.00	15.28	150.0	V	81.0	6.2	3.52

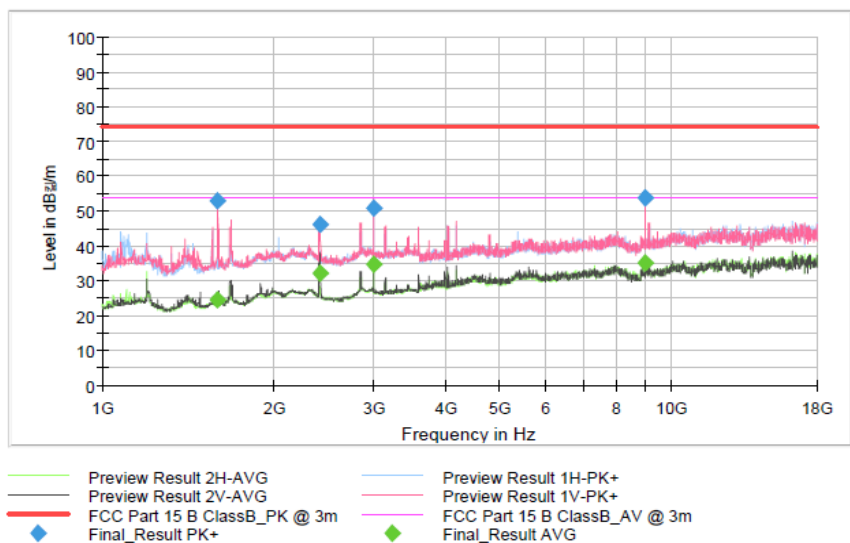
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

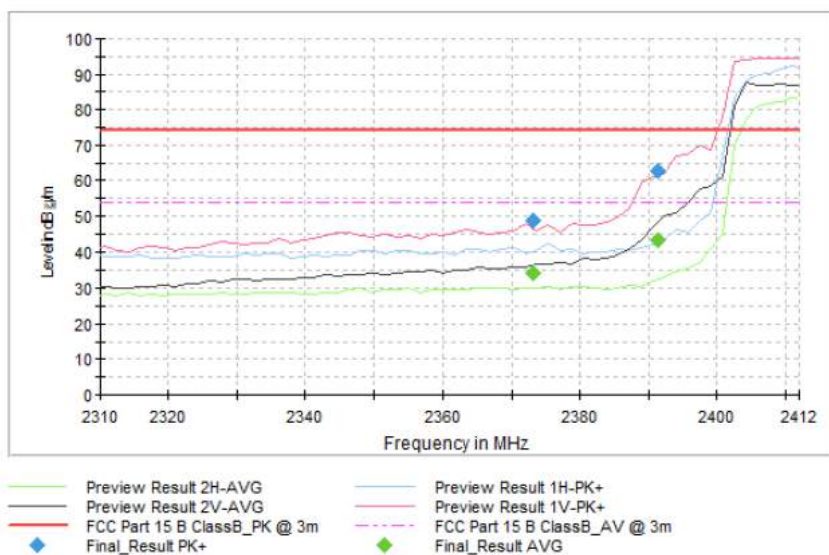
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμ/m)	Average (dBμ/m)	Limit (dBμ/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1593.105000	---	24.55	54.00	29.45	1000.000	400.0	V	0.0	-3.9
1593.105000	53.02	---	74.00	20.98	1000.000	400.0	V	0.0	-3.9
2995.093000	---	34.68	54.00	19.32	1000.000	400.0	V	37.0	0.4
2995.093000	51.02	---	74.00	22.98	1000.000	400.0	V	37.0	0.4
8986.560000	53.76	---	74.00	20.24	1000.000	150.0	V	81.0	6.2
8986.560000	---	35.20	54.00	18.80	1000.000	150.0	V	81.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2373.103500	48.60	---	74.00	25.40	1000.000	193.0	V	7.0	0.5
2373.103500	---	34.31	54.00	19.69	1000.000	193.0	V	7.0	0.5
2391.357000	62.60	---	74.00	11.40	1000.000	176.0	V	36.0	0.5
2391.357000	---	43.13	54.00	10.87	1000.000	176.0	V	36.0	0.5

**Test Mode – 802.11n(HT20) –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 595.132	57.31	-	74.00	16.69	400.0	V	0.0	-3.9	3.52
1 595.132	-	28.21	54.00	25.79	400.0	V	0.0	-3.9	3.52
1 685.009	50.90	-	74.00	23.10	176.0	V	324.0	-3.1	3.52
1 685.009	-	29.61	54.00	24.39	176.0	V	324.0	-3.1	3.52
2 997.937	55.50	-	74.00	18.50	392.0	V	38.0	0.4	3.52
2 997.937	-	39.08	54.00	14.92	392.0	V	38.0	0.4	3.52
8 975.959	53.48	-	74.00	20.52	115.0	V	64.0	6.2	3.52
8 975.959	-	36.54	54.00	17.46	115.0	V	64.0	6.2	3.52

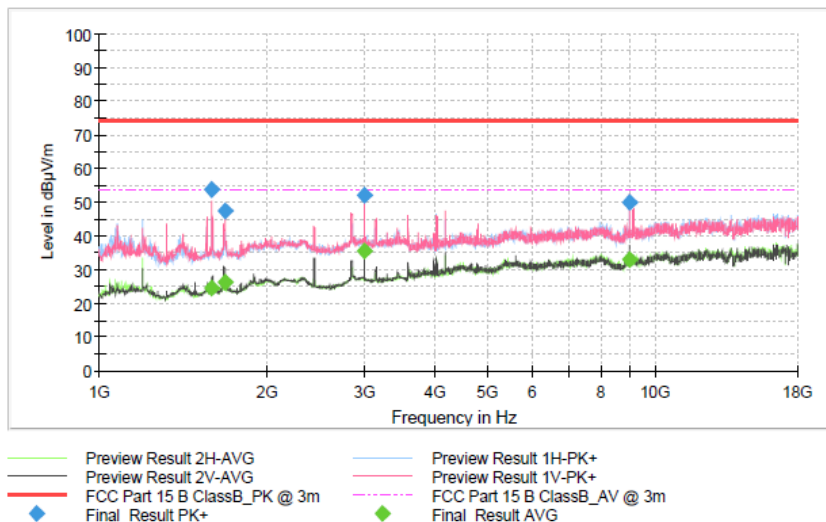
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1595.132000	53.79	---	74.00	20.21	1000.000	400.0	V	0.0	-3.9
1595.132000	---	24.69	54.00	29.31	1000.000	400.0	V	0.0	-3.9
1685.008500	---	26.09	54.00	27.91	1000.000	176.0	V	324.0	-3.1
1685.008500	47.38	---	74.00	26.62	1000.000	176.0	V	324.0	-3.1
2997.936500	---	35.56	54.00	18.44	1000.000	392.0	V	38.0	0.4
2997.936500	51.98	---	74.00	22.02	1000.000	392.0	V	38.0	0.4
8975.958500	49.96	---	74.00	24.04	1000.000	115.0	V	64.0	6.2
8975.958500	---	33.02	54.00	20.98	1000.000	115.0	V	64.0	6.2

**Test Mode – 802.11n(HT20) –Highest Channel-2 462 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 597.627	56.99	-	74.00	17.01	400.0	V	0.0	-3.9	3.52
1 597.627	-	28.27	54.00	25.73	400.0	V	0.0	-3.9	3.52
1 674.910	49.12	-	74.00	24.88	203.0	H	38.0	-3.2	3.52
1 674.910	-	28.50	54.00	25.50	203.0	H	38.0	-3.2	3.52
2 481.841	60.43	-	74.00	13.57	150.0	V	0.0	0.8	3.52
2 481.841	-	36.93	54.00	17.07	150.0	V	0.0	0.8	3.52
#2 488.954	50.21	-	74.00	23.79	285.0	V	156.0	0.8	3.52
#2 488.954	-	36.52	54.00	17.48	285.0	V	156.0	0.8	3.52
2 998.393	53.69	-	74.00	20.31	394.0	V	36.0	0.4	3.52
2 998.393	-	37.52	54.00	16.48	394.0	V	36.0	0.4	3.52
8 981.798	54.02	-	74.00	19.98	115.0	V	63.0	6.2	3.52
8 981.798	-	36.86	54.00	17.14	115.0	V	63.0	6.2	3.52

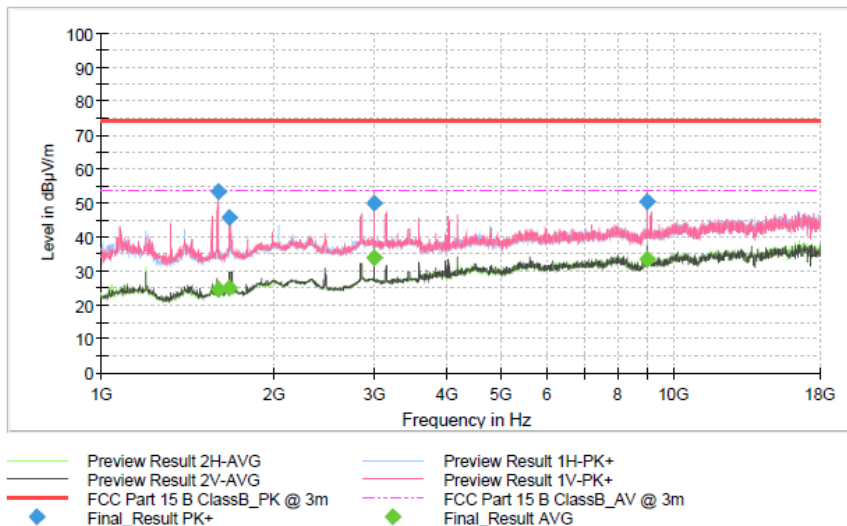
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

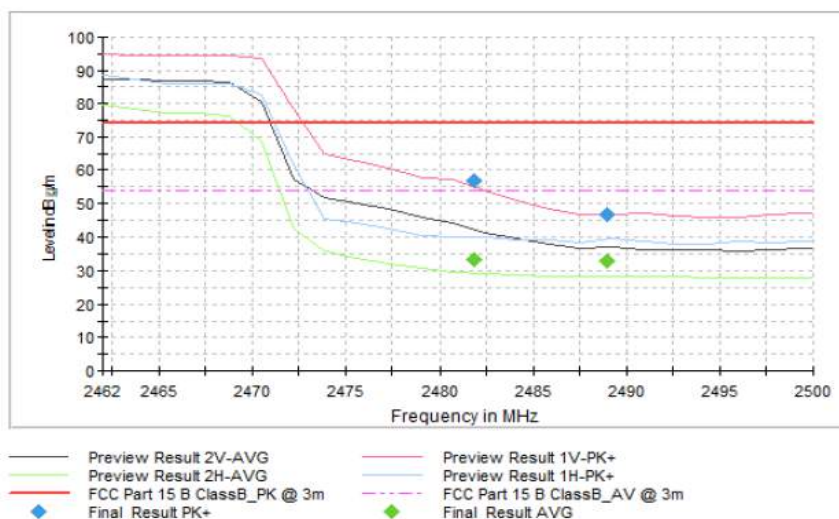
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1597.627000	---	24.75	54.00	29.25	1000.000	400.0	V	0.0	-3.9
1597.627000	53.47	---	74.00	20.53	1000.000	400.0	V	0.0	-3.9
1674.909500	45.60	---	74.00	28.40	1000.000	203.0	H	38.0	-3.2
1674.909500	---	24.98	54.00	29.02	1000.000	203.0	H	38.0	-3.2
2998.393000	---	34.00	54.00	20.00	1000.000	394.0	V	36.0	0.4
2998.393000	50.17	---	74.00	23.83	1000.000	394.0	V	36.0	0.4
8981.797500	50.50	---	74.00	23.50	1000.000	115.0	V	63.0	6.2
8981.797500	---	33.34	54.00	20.66	1000.000	115.0	V	63.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2481.841000	56.91	---	74.00	17.09	1000.000	150.0	V	0.0	0.8
2481.841000	---	33.41	54.00	20.59	1000.000	150.0	V	0.0	0.8
2488.953500	46.69	---	74.00	27.31	1000.000	285.0	V	156.0	0.8
2488.953500	---	33.00	54.00	21.00	1000.000	285.0	V	156.0	0.8


Test Mode – 802.11n(HT40) –Lowest Channel-2 422 MHz

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 197.030	48.32	-	74.00	25.68	100.0	H	22.0	-4.0	3.52
1 197.030	-	35.51	54.00	18.49	100.0	H	22.0	-4.0	3.52
1 397.897	44.90	-	74.00	29.10	141.0	V	113.0	-4.6	3.52
1 397.897	-	26.13	54.00	27.87	141.0	V	113.0	-4.6	3.52
1 593.820	52.72	-	74.00	21.28	150.0	V	297.0	-3.9	3.52
1 593.820	-	27.40	54.00	26.60	150.0	V	297.0	-3.9	3.52
#2 377.103	51.55	-	74.00	22.45	177.0	V	168.0	0.5	3.52
#2 377.103	-	35.32	54.00	18.68	177.0	V	168.0	0.5	3.52
#2 387.016	59.25	-	74.00	14.75	100.0	V	111.0	0.5	3.52
#2 387.016	-	39.14	54.00	14.86	100.0	V	111.0	0.5	3.52
2 992.015	54.69	-	74.00	19.31	100.0	H	297.0	0.4	3.52
2 992.015	-	38.27	54.00	15.73	100.0	H	297.0	0.4	3.52
4 042.039	52.14	-	74.00	21.86	400.0	H	262.0	2.0	3.52
4 042.039	-	35.36	54.00	18.64	400.0	H	262.0	2.0	3.52
8 979.579	55.72	-	74.00	18.28	118.0	V	20.0	6.2	3.52
8 979.579	-	37.54	54.00	16.46	118.0	V	20.0	6.2	3.52

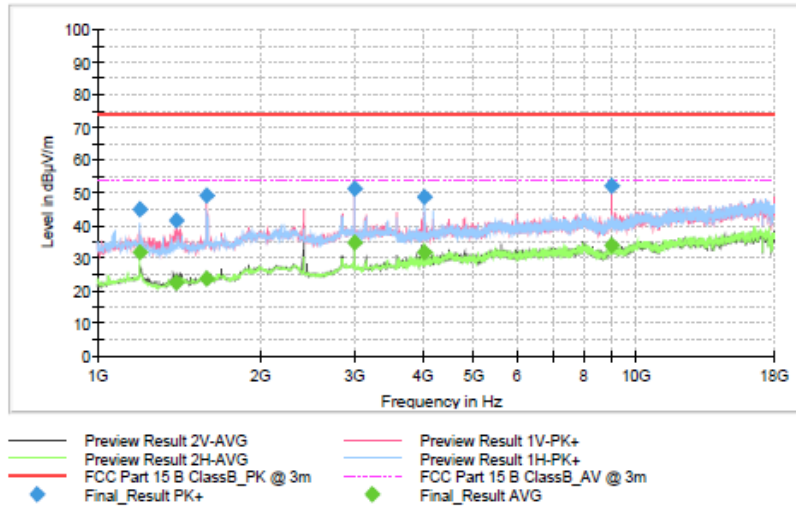
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

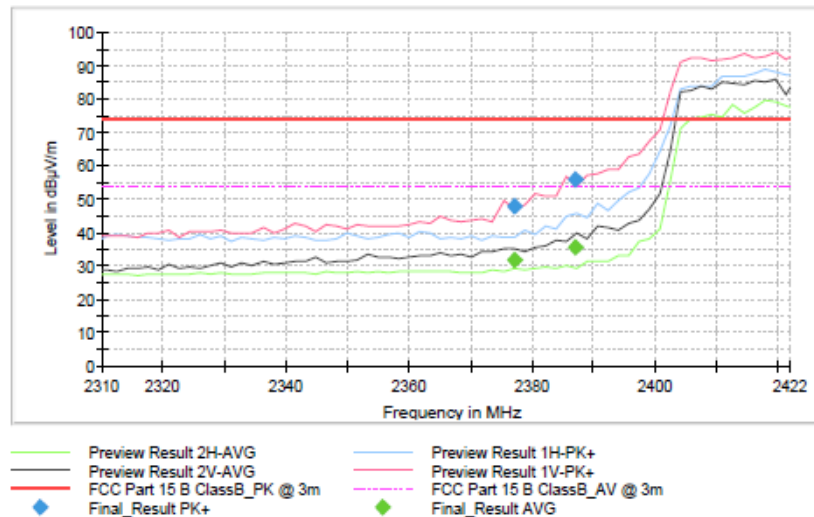
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1197.029500	44.80	---	74.00	29.20	1000.000	100.0	H	22.0	-4.0
1197.029500	---	31.99	54.00	22.01	1000.000	100.0	H	22.0	-4.0
1397.897000	41.38	---	74.00	32.62	1000.000	141.0	V	113.0	-4.6
1397.897000	---	22.61	54.00	31.39	1000.000	141.0	V	113.0	-4.6
1593.820000	49.20	---	74.00	24.80	1000.000	150.0	V	297.0	-3.9
1593.820000	---	23.88	54.00	30.12	1000.000	150.0	V	297.0	-3.9
2992.015000	51.17	---	74.00	22.83	1000.000	100.0	H	297.0	0.4
2992.015000	---	34.75	54.00	19.25	1000.000	100.0	H	297.0	0.4
4042.038500	48.62	---	74.00	25.38	1000.000	400.0	H	262.0	2.0
4042.038500	---	31.84	54.00	22.16	1000.000	400.0	H	262.0	2.0
8979.579000	52.20	---	74.00	21.80	1000.000	118.0	V	20.0	6.2
8979.579000	---	34.02	54.00	19.98	1000.000	118.0	V	20.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2377.103000	48.03	---	74.00	25.97	1000.000	177.0	V	168.0	0.5
2377.103000	---	31.80	54.00	22.20	1000.000	177.0	V	168.0	0.5
2387.016000	55.73	---	74.00	18.27	1000.000	100.0	V	111.0	0.5
2387.016000	---	35.62	54.00	18.38	1000.000	100.0	V	111.0	0.5

**Test Mode – 802.11n(HT40) –Middle Channel-2 437 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 596.696	54.89	-	74.00	19.11	400.0	V	354.0	-3.9	3.52
1 596.696	-	27.99	54.00	26.01	400.0	V	354.0	-3.9	3.52
1 675.808	50.04	-	74.00	23.96	179.0	V	325.0	-3.2	3.52
1 675.808	-	29.31	54.00	24.69	179.0	V	325.0	-3.2	3.52
2 994.749	54.54	-	74.00	19.46	400.0	V	37.0	0.4	3.52
2 994.749	-	38.21	54.00	15.79	400.0	V	37.0	0.4	3.52
8 978.622	55.62	-	74.00	18.38	115.0	V	83.0	6.2	3.52
8 978.622	-	37.74	54.00	16.26	115.0	V	83.0	6.2	3.52

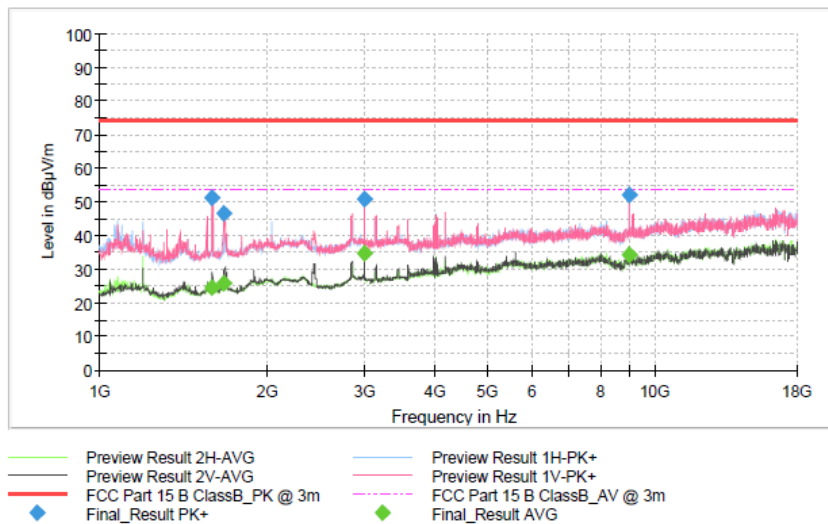
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1596.696000	51.37	---	74.00	22.63	1000.000	400.0	V	354.0	-3.9
1596.696000	---	24.47	54.00	29.53	1000.000	400.0	V	354.0	-3.9
1675.808000	---	25.79	54.00	28.21	1000.000	179.0	V	325.0	-3.2
1675.808000	46.52	---	74.00	27.48	1000.000	179.0	V	325.0	-3.2
2994.749000	51.02	---	74.00	22.98	1000.000	400.0	V	37.0	0.4
2994.749000	---	34.69	54.00	19.31	1000.000	400.0	V	37.0	0.4
8978.622000	---	34.22	54.00	19.78	1000.000	115.0	V	83.0	6.2
8978.622000	52.10	---	74.00	21.90	1000.000	115.0	V	83.0	6.2

**Test Mode – 802.11n(HT40) –Highest Channel-2 452 MHz**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
1 594.560	57.86	-	74.00	17.03	400.0	V	0.0	-3.9	3.52
1 594.560	-	28.79	54.00	24.53	400.0	V	0.0	-3.9	3.52
#2 483.787	61.44	-	74.00	19.84	309.0	V	0.0	-3.1	3.52
#2 483.787	-	41.65	54.00	22.83	309.0	V	0.0	-3.1	3.52
#2 486.807	63.00	-	74.00	5.65	137.0	V	0.0	0.8	3.52
#2 486.807	-	42.05	54.00	7.76	137.0	V	0.0	0.8	3.52
2 994.482	55.48	-	74.00	12.03	137.0	V	327.0	0.8	3.52
2 994.482	-	39.09	54.00	13.53	137.0	V	327.0	0.8	3.52
5 497.395	55.19	-	74.00	21.39	332.0	H	303.0	0.4	3.52
5 497.395	-	32.82	54.00	17.56	332.0	H	303.0	0.4	3.52
8 985.410	52.59	-	74.00	21.12	194.0	V	64.0	6.2	3.52
8 985.410	-	36.31	54.00	17.73	194.0	V	64.0	6.2	3.52

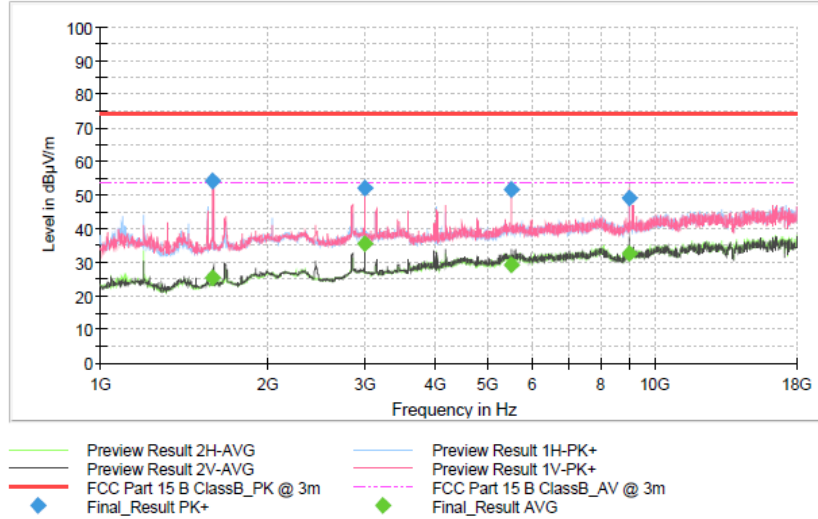
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

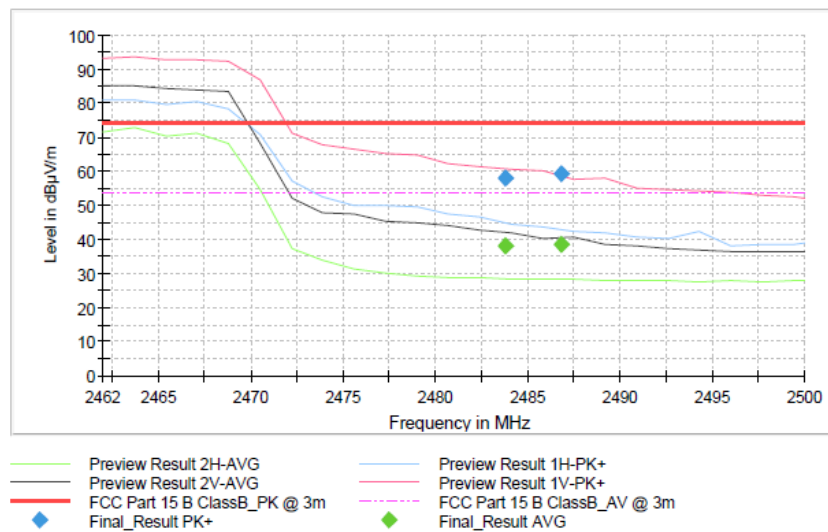
-1 GHz ~ 18 GHz



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1594.559500	---	25.27	54.00	28.73	1000.000	400.0	V	6.0	-3.9
1594.559500	54.34	---	74.00	19.66	1000.000	400.0	V	6.0	-3.9
2994.481500	---	35.57	54.00	18.43	1000.000	400.0	V	38.0	0.4
2994.481500	51.96	---	74.00	22.04	1000.000	400.0	V	38.0	0.4
5497.394500	51.67	---	74.00	22.33	1000.000	266.0	V	0.0	3.7
5497.394500	---	29.30	54.00	24.70	1000.000	266.0	V	0.0	3.7
8985.409500	49.07	---	74.00	24.93	1000.000	100.0	V	65.0	6.2
8985.409500	---	32.79	54.00	21.21	1000.000	100.0	V	65.0	6.2

-Restricted Band



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.787000	---	38.13	54.00	15.87	1000.000	100.0	V	350.0	0.8
2483.787000	57.92	---	74.00	16.08	1000.000	100.0	V	350.0	0.8
2486.807000	---	38.53	54.00	15.47	1000.000	137.0	V	0.0	0.8
2486.807000	59.48	---	74.00	14.52	1000.000	137.0	V	0.0	0.8

**18 GHz ~ 26.5 GHz****Test Mode – 802.11n(HT40)_MIMO –Lowest Channel-2 412 MHz(Worst case)**

Frequency [MHz]	MaxPeak [dB(μV)/m]	Average [dB(μV)/m]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Pol.	Azimuth [deg]	Corr. [dB/m]	Distance Corr. [dB]
18 383.227	50.09	-	74.00	23.91	150.0	H	228.0	3.7	3.52
18 383.227	-	37.15	54.00	16.85	150.0	H	228.0	3.7	3.52
19 276.471	49.92	-	74.00	24.08	160.0	H	64.0	3.0	3.52
19 276.471	-	36.66	54.00	17.34	160.0	H	64.0	3.0	3.52
20 004.653	49.68	-	74.00	24.32	100.0	V	203.0	3.0	3.52
20 004.653	-	36.59	54.00	17.41	100.0	V	203.0	3.0	3.52
22 935.335	48.96	-	74.00	25.04	269.0	H	36.0	6.6	3.52
22 935.335	-	36.33	54.00	17.67	269.0	H	36.0	6.6	3.52
23 239.779	49.58	-	74.00	24.42	400.0	H	94.0	6.9	3.52
23 239.779	-	36.68	54.00	17.32	400.0	H	94.0	6.9	3.52
25 104.688	51.21	-	74.00	22.79	177.0	H	251.0	7.7	3.52
25 104.688	-	37.63	54.00	16.37	177.0	H	251.0	7.7	3.52

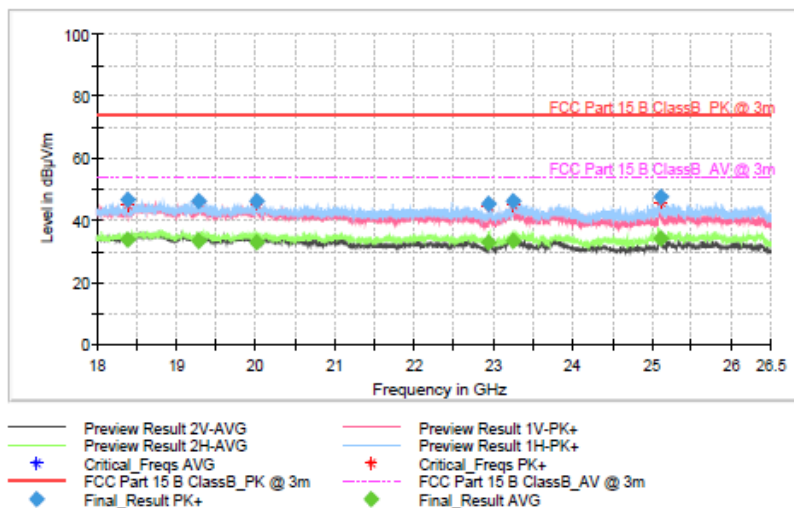
Note :

1. According to § 15.31(o), Emission levels are not reported much lower than the limits by over 20 dB.
2. Measured distance is 4.5 m.
Distance Corr.[dB] = $20 * \log((4.5 \text{ m})/(3 \text{ m})) = 3.52 \text{ [dB]}$
3. “#” means the restricted band.
4. Maxpeak & Average = reading value[dB(μV)] + Distance Corr.[dB] + Corr.[dB/m]



Test Data

-18 GHz ~ 26.5 GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18383.226500	46.57	---	74.00	27.43	1000.000	150.0	H	228.0	3.7
18383.226500	---	33.63	54.00	20.37	1000.000	150.0	H	228.0	3.7
19276.470500	---	33.14	54.00	20.86	1000.000	160.0	H	64.0	3.0
19276.470500	46.40	---	74.00	27.60	1000.000	160.0	H	64.0	3.0
20004.653000	---	33.07	54.00	20.93	1000.000	100.0	V	203.0	3.0
20004.653000	46.16	---	74.00	27.84	1000.000	100.0	V	203.0	3.0
22935.334500	---	32.81	54.00	21.19	1000.000	269.0	H	36.0	6.6
22935.334500	45.44	---	74.00	28.56	1000.000	269.0	H	36.0	6.6
23239.779000	---	33.16	54.00	20.84	1000.000	400.0	H	94.0	6.9
23239.779000	46.06	---	74.00	27.94	1000.000	400.0	H	94.0	6.9
25104.687500	47.69	---	74.00	26.31	1000.000	177.0	H	251.0	7.7
25104.687500	---	34.11	54.00	19.89	1000.000	177.0	H	251.0	7.7



6. Conducted Emissions

6.1 Rule

According to §15.207(a), for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency range (MHz)	Limits dB(μ V)			
	Quasi-peak		Average	
	Class A	Class B	Class A	Class B
0.15 to 0.50	79	66 to 56	66	56 to 46
0.50 to 5	73	56	60	46
5 to 30		60		50

Note 1 The lower limit shall apply at the transition frequencies.

Note 2 The limit decreases linearly with the logarithm of the frequency in the range (0.15 ~ 0.5) MHz.

Note 3 Result (dB μ V) = Reading (dB μ V) + Corr. (Insertion Loss (dB) + Cable Loss (dB))

Result: Final value, Reading: Receiver reading value, Corr.: Correction Factor

Margin = Limit – Result

6.2 Measurement Procedure

All data rates and modes were investigated for this test. The full data for the worst case data rate are reported in this section.

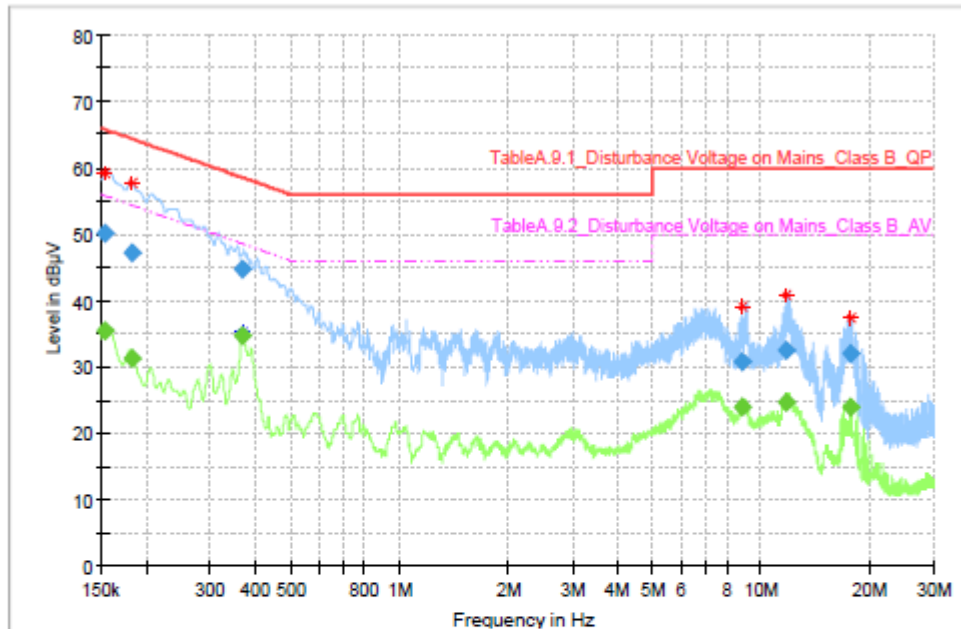
AC line conducted emissions from the EUT were measured according to the dictates of ANSI C63.10-2013

1. The test procedure is performed in a 6.5 m $\times$ 3.6 m $\times$ 3.6 m (L $\times$ W $\times$ H) shielded room. The EUT along with its peripherals were placed on a 1.0 m (W) $\times$ 1.5 m (L) and 0.8 m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.
2. The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room.
3. The excess power cable between the EUT and the LISN was bundled. All connecting cables of EUT were moved to find the maximum emission.



6.3 Test result – Complied

-Live

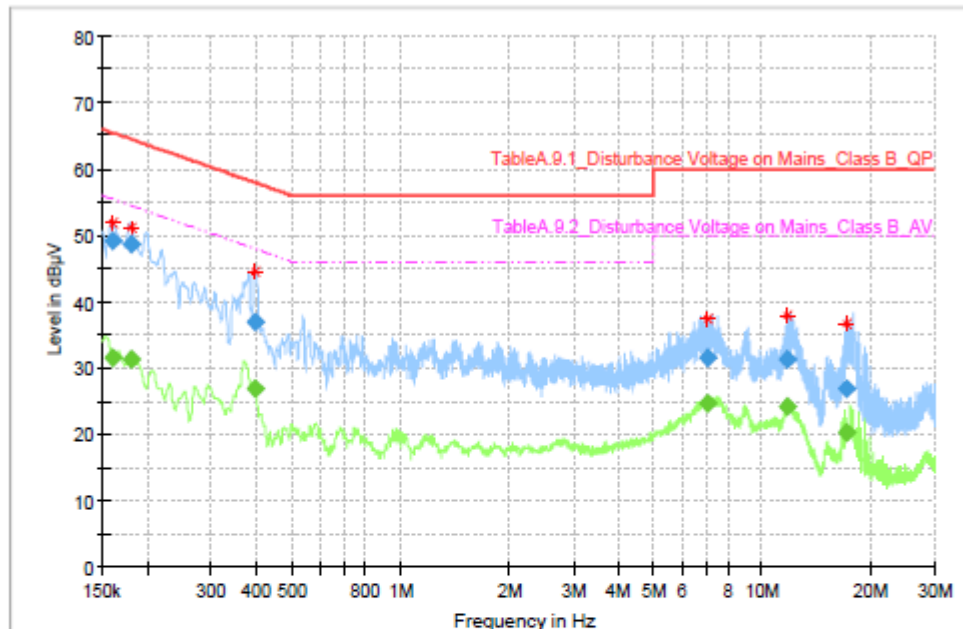


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.153980	---	35.58	55.78	20.20	9.000	L1	10.0
0.153980	50.04	---	65.78	15.75	9.000	L1	10.0
0.182835	---	31.32	54.36	23.04	9.000	L1	10.1
0.182835	47.33	---	64.36	17.03	9.000	L1	10.1
0.368900	---	34.73	48.53	13.80	9.000	L1	10.2
0.368900	44.87	---	58.53	13.65	9.000	L1	10.2
8.879135	---	23.94	50.00	26.06	9.000	L1	10.4
8.879135	30.86	---	60.00	29.14	9.000	L1	10.4
11.787520	---	24.70	50.00	25.30	9.000	L1	10.5
11.787520	32.45	---	60.00	27.55	9.000	L1	10.5
17.693840	---	23.99	50.00	26.01	9.000	L1	10.7
17.693840	32.09	---	60.00	27.91	9.000	L1	10.7



-Neutral



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.159950	---	31.54	55.47	23.93	9.000	N	10.0
0.159950	49.23	---	65.47	16.24	9.000	N	10.0
0.180845	---	31.31	54.45	23.14	9.000	N	10.1
0.180845	48.58	---	64.45	15.86	9.000	N	10.1
0.394770	---	26.84	47.96	21.12	9.000	N	10.2
0.394770	36.90	---	57.96	21.06	9.000	N	10.2
7.102065	---	24.73	50.00	25.27	9.000	N	10.4
7.102065	31.56	---	60.00	28.44	9.000	N	10.4
11.788515	---	24.26	50.00	25.74	9.000	N	10.7
11.788515	31.32	---	60.00	28.68	9.000	N	10.7
17.158530	---	20.37	50.00	29.63	9.000	N	11.0
17.158530	26.95	---	60.00	33.05	9.000	N	11.0



SECTION 5 APPENDIX 1 – PHOTOS

Setup Photos

-Radiated Emissions (9kHz ~ 30 MHz)



front



Rear



-Radiated Emissions (30 MHz ~ 1 GHz)



Front



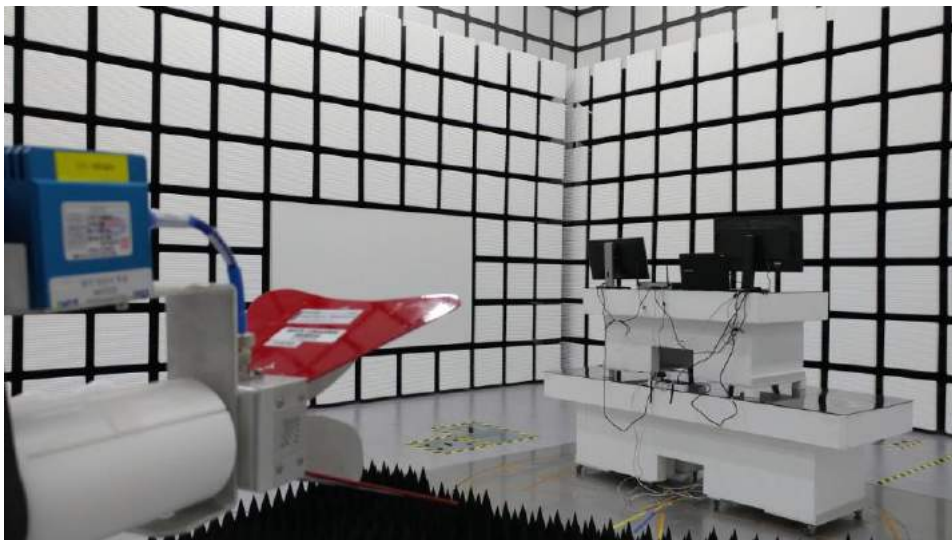
Rear



-Radiated Emissions (1 GHz ~ 18 GHz)



Front



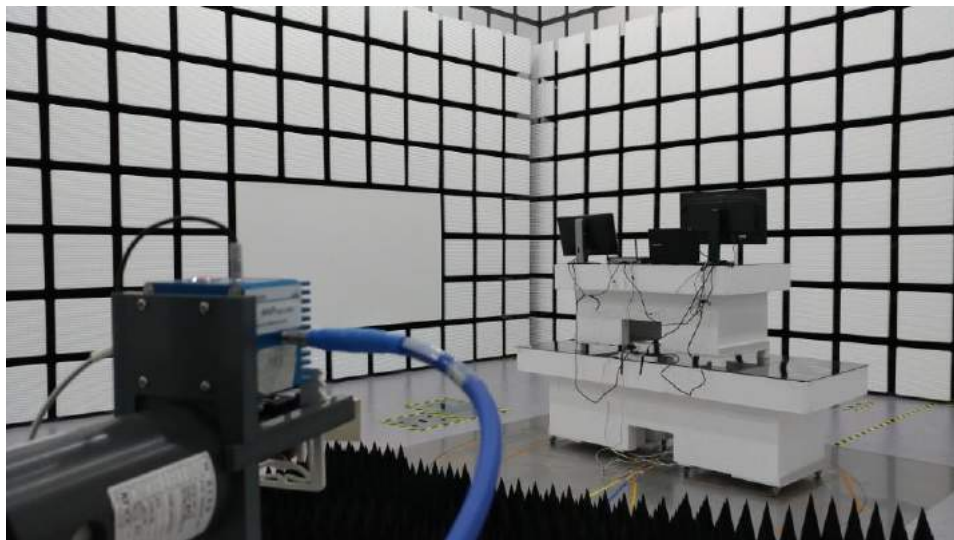
Rear



-Radiated Emissions (18 GHz ~ 26.5 GHz)



Front



Rear



-Conducted Emissions



Front



Rear



Photographs of EUT



Front



Rear

**SECTION 6 REVISION HISTORY**

REVISION HISTORY			
Revision	Report No.	Issue Date	Description
0	180200017SEL-TEL3	20 Feb. 2018	Initial
1	180200017SEL-TEL3(R1)	08 Mar. 2018	Revise Setup Photos, Spurious & Conducted Emissions results, Manufacturer's Informations
2	180200017SEL-TEL3(R2)	14 Mar. 2018	Add EUT's adaptor information

- End -