

ANNEX A: Test Result

The radiated emission was measured in the following position: EUT stand-up position (vertical), lie-down position (horizontal). The worst emission was found in lie-down position (horizontal) and the loop antenna is vertical, the others are vertical and horizontal. and the worst case was recorded.

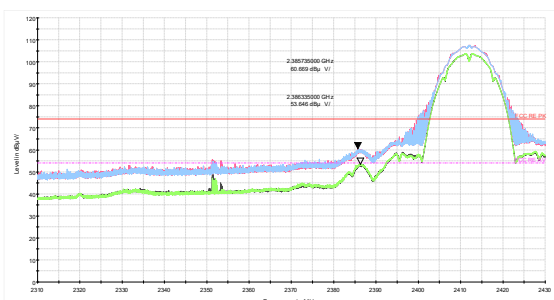
1. Unwanted Emission

1.1. Wi-Fi 2.4GHz

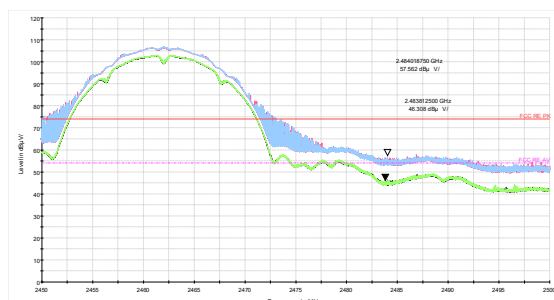
The following graphs display the maximum values of horizontal and vertical by software. Blue trace uses the peak detection, Green trace uses the average detection.

A symbol ($\text{dB}\mu\text{V}/\text{m}$) in the test plot below means ($\text{dB}\mu\text{V}/\text{m}$)

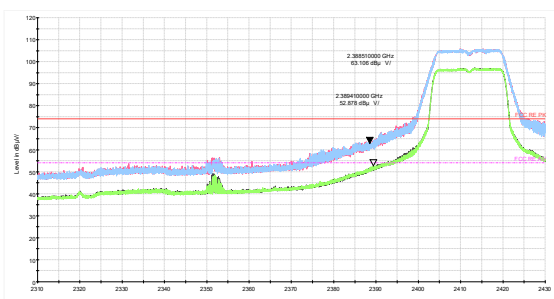
The signal beyond the limit is carrier.



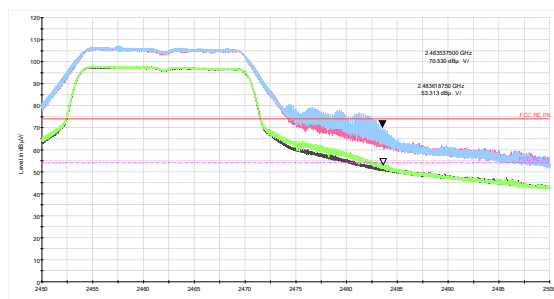
802.11b-Channel 1 Peak+ Average



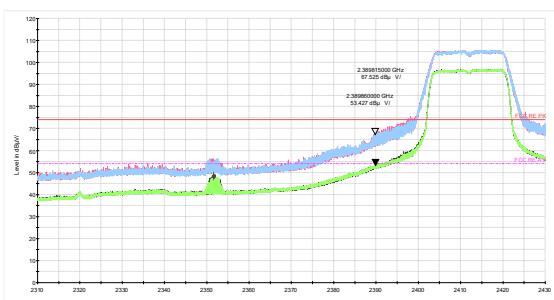
802.11b-Channel 11 Peak+ Average



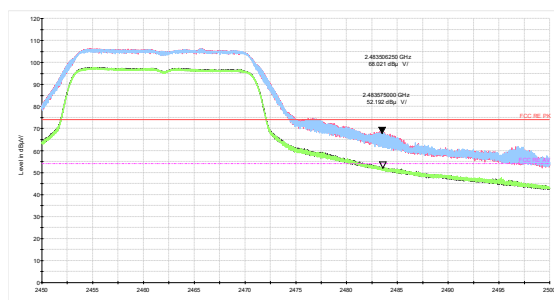
802.11g-Channel 1 Peak+ Average



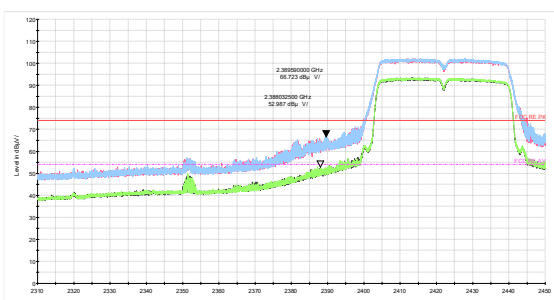
802.11g-Channel 11 Peak+ Average



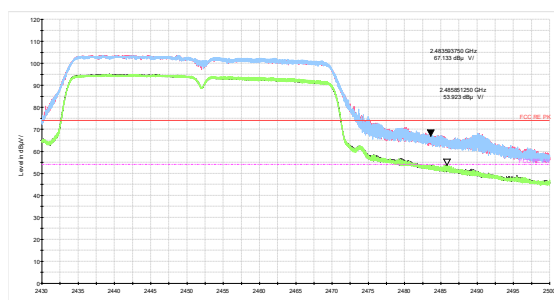
802.11n HT20-Channel 1 Peak+ Average



802.11n HT20-Channel 11 Peak+ Average



802.11n HT40-Channel 3 Peak+ Average



802.11n HT40-Channel 9 Peak+ Average

Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier.
The Radiates Emission from 18GHz to 26.5GHz are more than 20dB below the limit are not reported.

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **A symbol ($\text{dB}\mu\text{V}/\text{m}$) in the test plot below means ($\text{dB}\mu\text{V}/\text{m}$)**
4. **The following graphs display the maximum values of horizontal and vertical by software.**
5. **For below 1GHz**

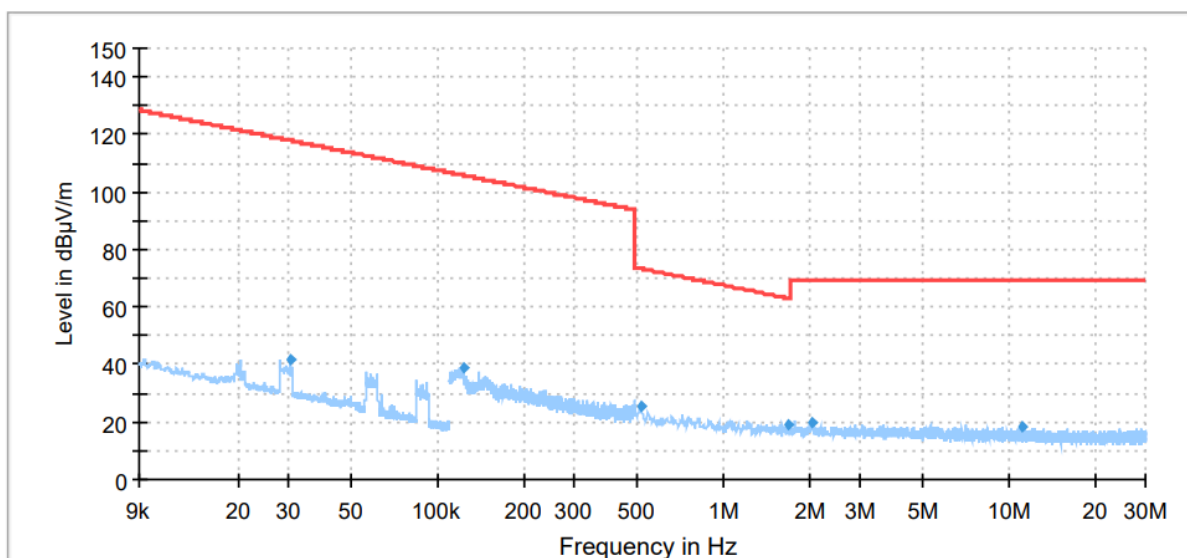
 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

For above 1GHz

 PK Level @Spectrum Overview H
  PK Level @Spectrum Overview V
  PK Level @Final Results
  PK Limit
 AVG Level @Spectrum Overview H
  AVG Level @Spectrum Overview V
  AVG Level @Final Results
  AVG Limit

Continuous TX mode:

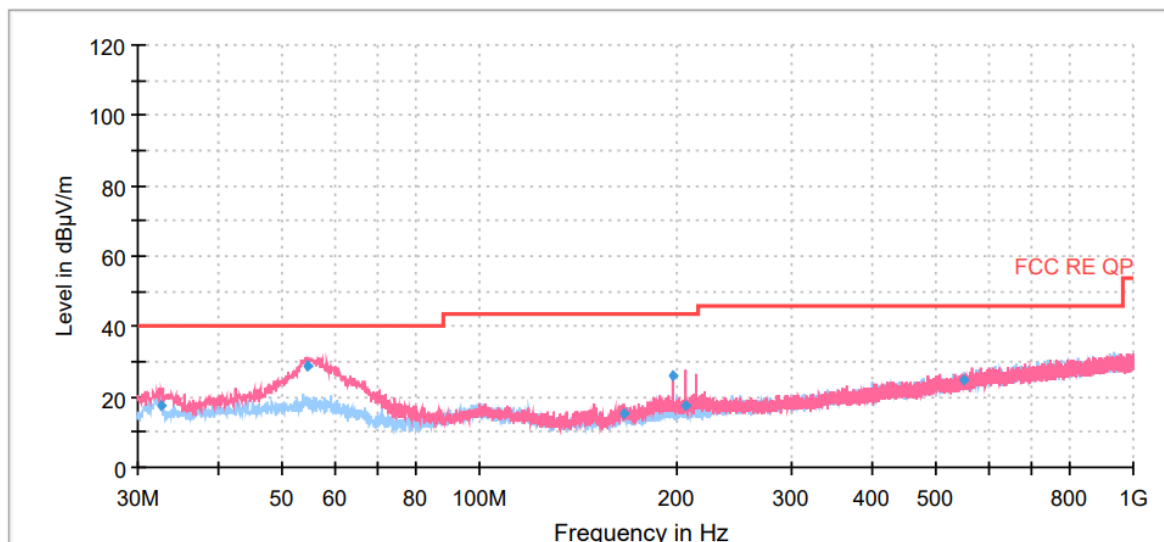
During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition was recorded in this report.



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Azimuth (deg)	Corr. (dB/m)
0.03	41.65	117.89	76.23	500.00	119.00	17
0.12	39.09	105.77	66.67	150.00	95.00	17
0.52	25.24	73.35	48.11	150.00	91.00	17
1.70	19.14	62.99	43.85	150.00	79.00	17
2.06	19.72	69.50	49.78	150.00	116.00	17
11.18	18.43	69.50	51.07	150.00	26.00	17

Radiates Emission from 9kHz to 30MHz

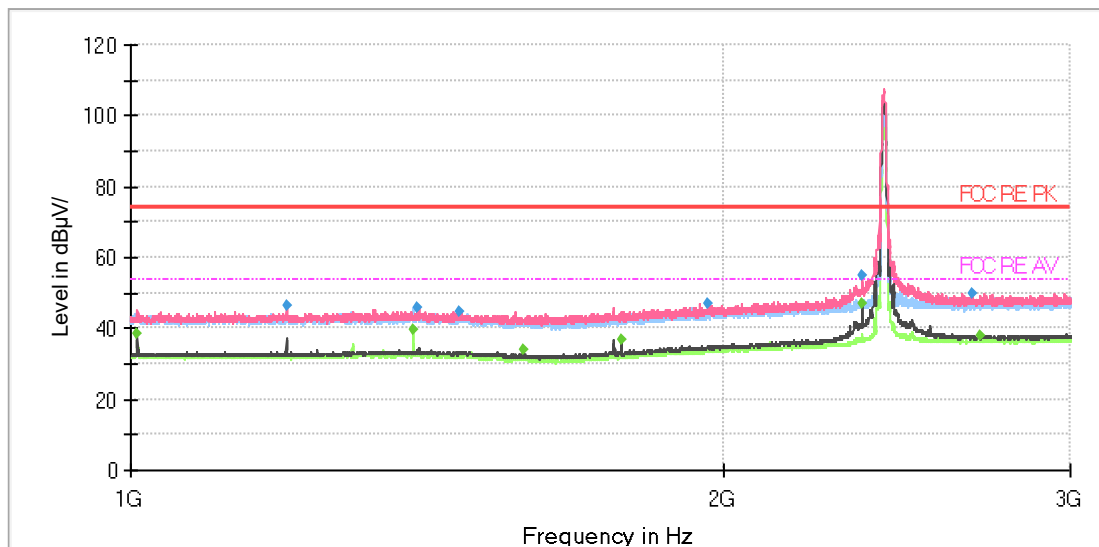


Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.62	17.77	40.00	22.23	1000.00	100.0	V	0.00	17
54.50	28.63	40.00	11.37	1000.00	100.0	V	20.00	20
166.19	15.14	43.50	28.36	1000.00	100.0	V	316.00	16
198.00	26.01	43.50	17.49	1000.00	224.0	V	273.00	18
206.25	17.32	43.50	26.18	1000.00	225.0	V	100.00	18
551.85	25.13	46.00	20.87	1000.00	175.0	H	205.00	26

Radiates Emission from 30MHz to 1GHz

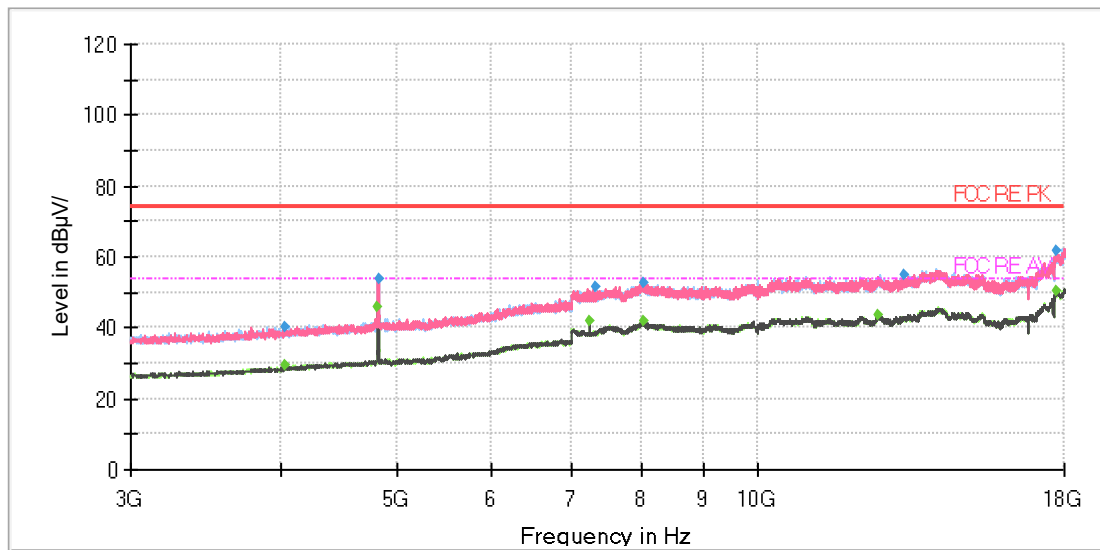
802.11b CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

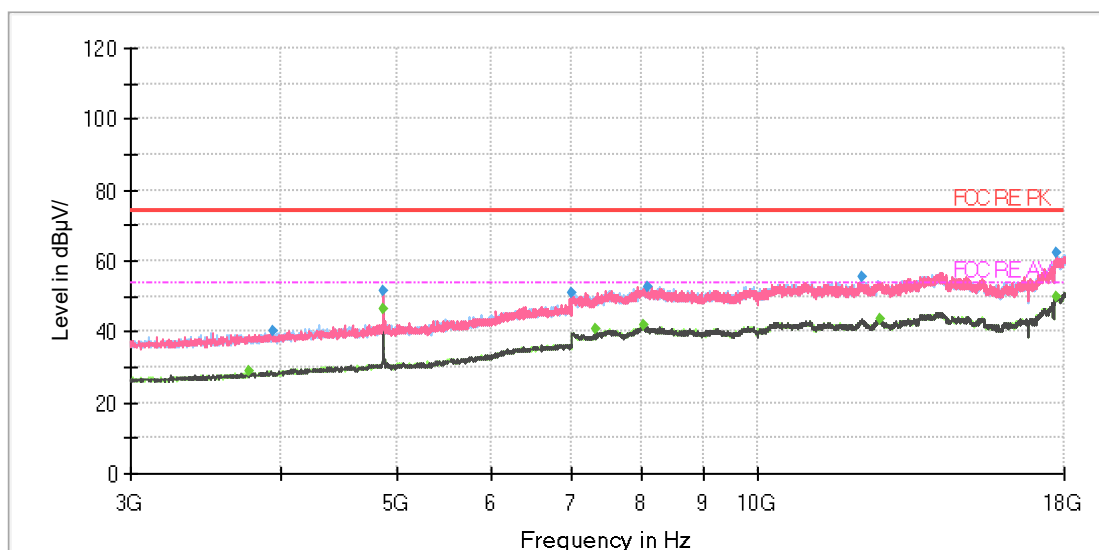
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1008.00	---	38.63	54.00	15.37	500.00	200.0	V	245.00	-5
1199.25	46.59	---	74.00	27.41	500.00	200.0	V	0.00	-5
1392.00	---	39.58	54.00	14.42	500.00	200.0	H	290.00	-4
1397.50	45.95	---	74.00	28.05	500.00	200.0	V	0.00	-4
1467.25	44.97	---	74.00	29.03	500.00	200.0	V	328.00	-4
1583.50	---	33.94	54.00	20.06	500.00	100.0	V	3.00	-4
1775.50	---	36.81	54.00	17.19	500.00	100.0	V	0.00	-4
1965.00	47.04	---	74.00	26.96	500.00	100.0	V	68.00	-3
2351.75	---	46.89	54.00	7.11	500.00	200.0	V	348.00	-1
2352.00	54.94	---	74.00	19.06	500.00	100.0	V	34.00	-1
2673.25	49.86	---	74.00	24.14	500.00	200.0	V	292.00	-1
2701.75	---	37.90	54.00	16.10	500.00	100.0	V	6.00	-1



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4033.13	40.46	---	74.00	33.54	500.00	100.0	V	250.00	-8
4038.75	---	29.20	54.00	24.80	500.00	200.0	V	267.00	-8
4822.50	---	45.58	54.00	8.42	500.00	100.0	V	0.00	-7
4824.38	53.65	---	74.00	20.35	500.00	100.0	H	1.00	-7
7233.75	---	41.75	54.00	12.25	500.00	200.0	V	109.00	1
7314.38	51.72	---	74.00	22.28	500.00	200.0	H	345.00	1
8017.50	---	41.78	54.00	12.22	500.00	200.0	H	119.00	2
8040.00	52.73	---	74.00	21.27	500.00	100.0	H	16.00	2
12601.88	---	43.68	54.00	10.32	500.00	200.0	V	0.00	5
13245.00	55.16	---	74.00	18.84	500.00	100.0	V	250.00	7
17741.25	---	50.43	54.00	3.57	500.00	200.0	V	57.00	13
17748.75	61.71	---	74.00	12.29	500.00	200.0	V	10.00	13

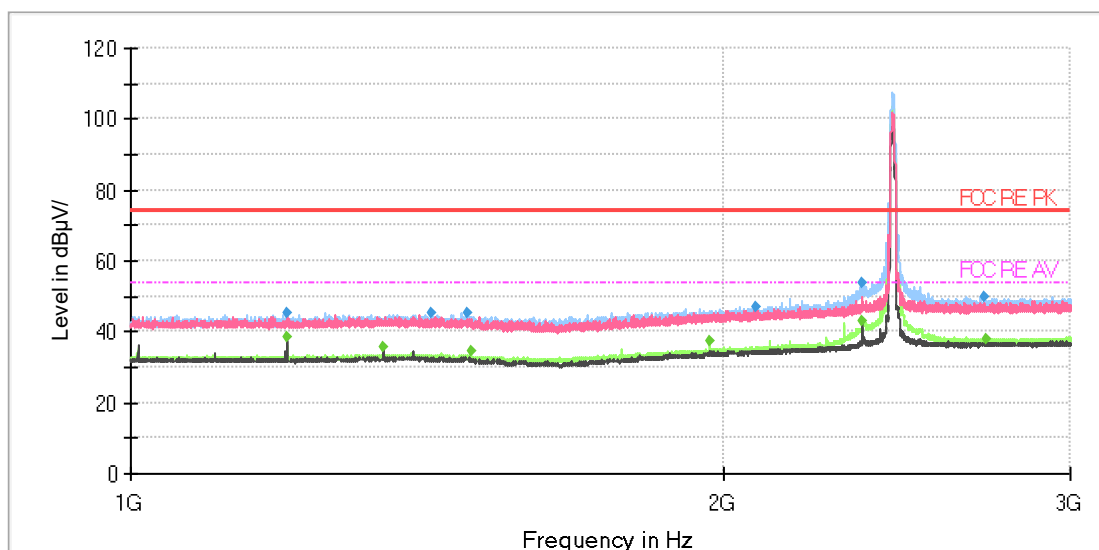
802.11b CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

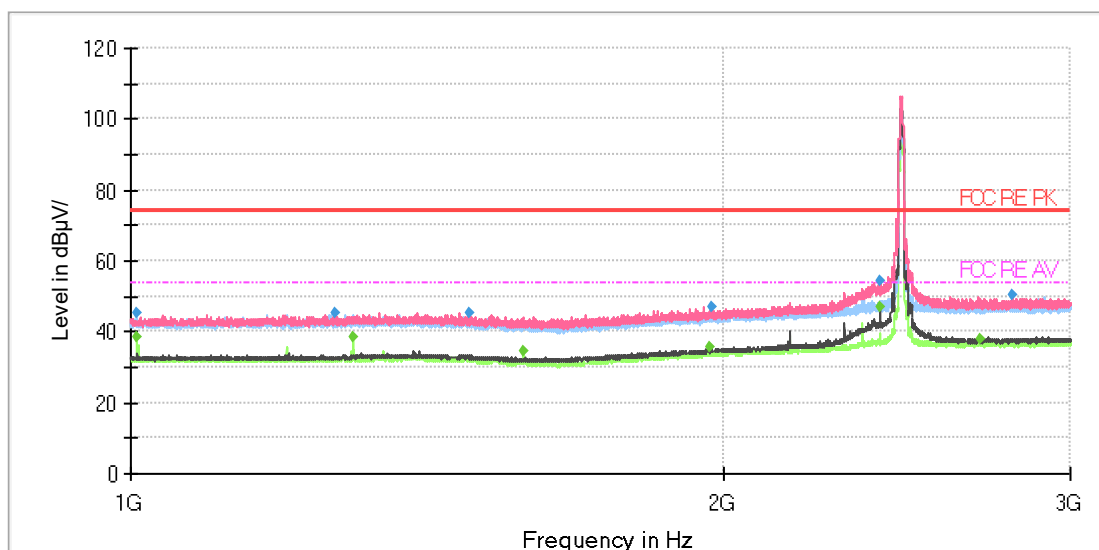
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3763.13	---	29.00	54.00	25.00	500.00	200.0	H	249.00	-9
3943.13	40.06	---	74.00	33.94	500.00	200.0	H	0.00	-8
4873.13	---	46.60	54.00	7.40	500.00	200.0	H	354.00	-6
4873.13	51.73	---	74.00	22.27	500.00	200.0	H	354.00	-6
6999.38	51.17	---	74.00	22.83	500.00	100.0	V	308.00	0
7308.75	---	40.90	54.00	13.10	500.00	200.0	V	108.00	1
8023.13	---	41.66	54.00	12.34	500.00	200.0	H	144.00	2
8075.63	52.90	---	74.00	21.10	500.00	200.0	H	345.00	2
12221.25	55.28	---	74.00	18.72	500.00	100.0	H	189.00	5
12643.13	---	43.48	54.00	10.52	500.00	200.0	H	354.00	5
17743.13	---	49.93	54.00	4.07	500.00	200.0	H	354.00	13
17748.75	62.26	---	74.00	11.74	500.00	200.0	V	0.00	13



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.50	---	38.46	54.00	15.54	500.00	200.0	V	358.00	-5
1199.75	45.05	---	74.00	28.95	500.00	200.0	H	1.00	-5
1343.50	---	35.92	54.00	18.08	500.00	100.0	V	302.00	-4
1420.25	45.37	---	74.00	28.63	500.00	100.0	H	308.00	-4
1481.75	45.39	---	74.00	28.61	500.00	100.0	H	308.00	-4
1487.50	---	34.43	54.00	19.57	500.00	200.0	H	106.00	-4
1967.50	---	37.57	54.00	16.43	500.00	200.0	H	310.00	-3
2075.50	47.03	---	74.00	26.97	500.00	100.0	H	222.00	-3
2351.50	53.83	---	74.00	20.17	500.00	100.0	H	113.00	-1
2352.25	---	42.96	54.00	11.04	500.00	100.0	V	70.00	-1
2712.75	50.08	---	74.00	23.92	500.00	200.0	H	106.00	0
2720.25	---	38.11	54.00	15.89	500.00	200.0	H	322.00	0

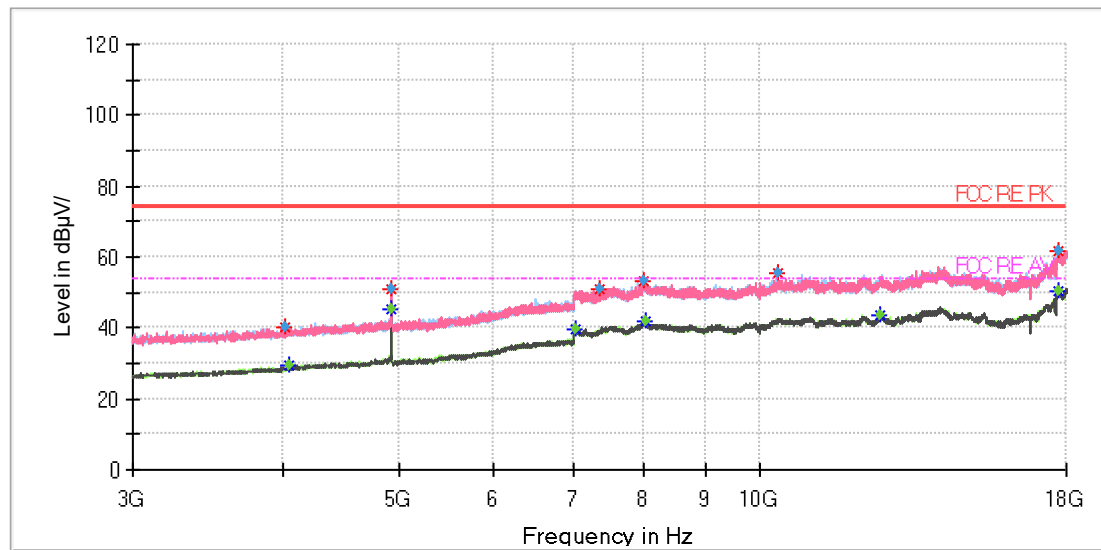
802.11b CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

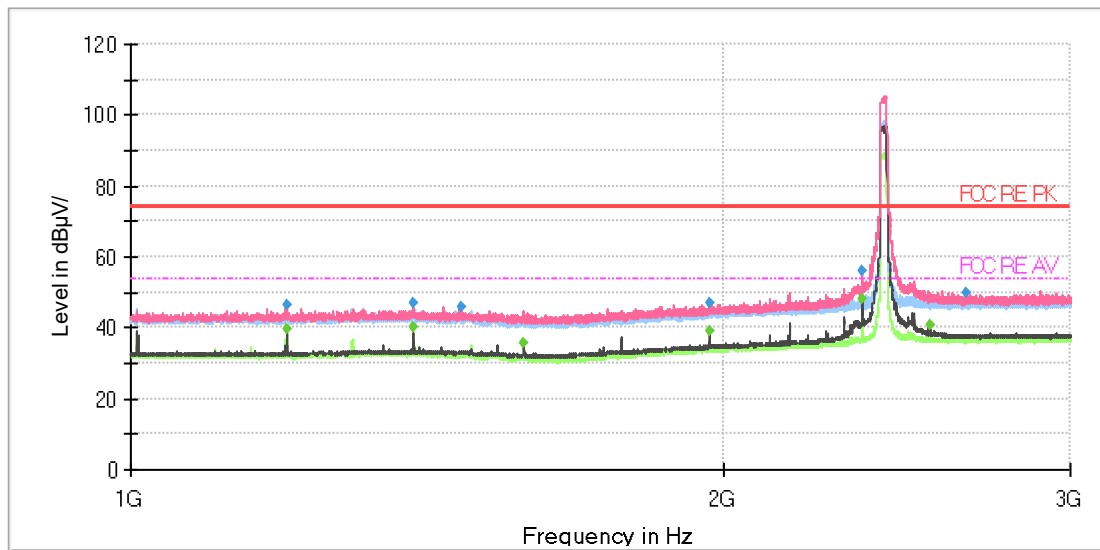
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.50	45.09	---	74.00	28.91	500.00	200.0	H	108.00	-5
1007.50	---	38.46	54.00	15.54	500.00	200.0	H	108.00	-5
1270.00	45.53	---	74.00	28.47	500.00	100.0	V	2.00	-5
1296.00	---	38.22	54.00	15.78	500.00	200.0	H	167.00	-5
1485.00	45.26	---	74.00	28.74	500.00	100.0	V	150.00	-4
1583.50	---	34.59	54.00	19.41	500.00	200.0	H	265.00	-4
1967.75	---	35.84	54.00	18.16	500.00	200.0	V	201.00	-3
1973.25	47.06	---	74.00	26.94	500.00	100.0	V	66.00	-3
2400.00	---	46.93	54.00	7.07	500.00	100.0	V	42.00	-1
2400.00	54.18	---	74.00	19.82	500.00	100.0	V	42.00	-1
2696.75	---	37.68	54.00	16.32	500.00	100.0	V	66.00	-1
2800.50	50.24	---	74.00	23.76	500.00	100.0	V	125.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4025.63	40.08	---	74.00	33.92	500.00	100.0	H	359.00	-8
4042.50	---	29.24	54.00	24.76	500.00	200.0	H	0.00	-8
4923.75	---	45.27	54.00	8.73	500.00	100.0	H	329.00	-6
4923.75	50.68	---	74.00	23.32	500.00	100.0	V	160.00	-6
7018.13	---	39.44	54.00	14.56	500.00	100.0	H	303.00	0
7346.25	50.72	---	74.00	23.28	500.00	200.0	V	344.00	1
7983.75	53.14	---	74.00	20.86	500.00	200.0	V	358.00	2
8021.25	---	41.86	54.00	12.14	500.00	100.0	H	223.00	2
10344.38	55.32	---	74.00	18.68	500.00	200.0	H	60.00	3
12596.25	---	43.61	54.00	10.39	500.00	100.0	V	214.00	5
17750.63	61.80	---	74.00	12.20	500.00	200.0	V	14.00	13
17754.38	---	50.12	54.00	3.88	500.00	200.0	V	0.00	13

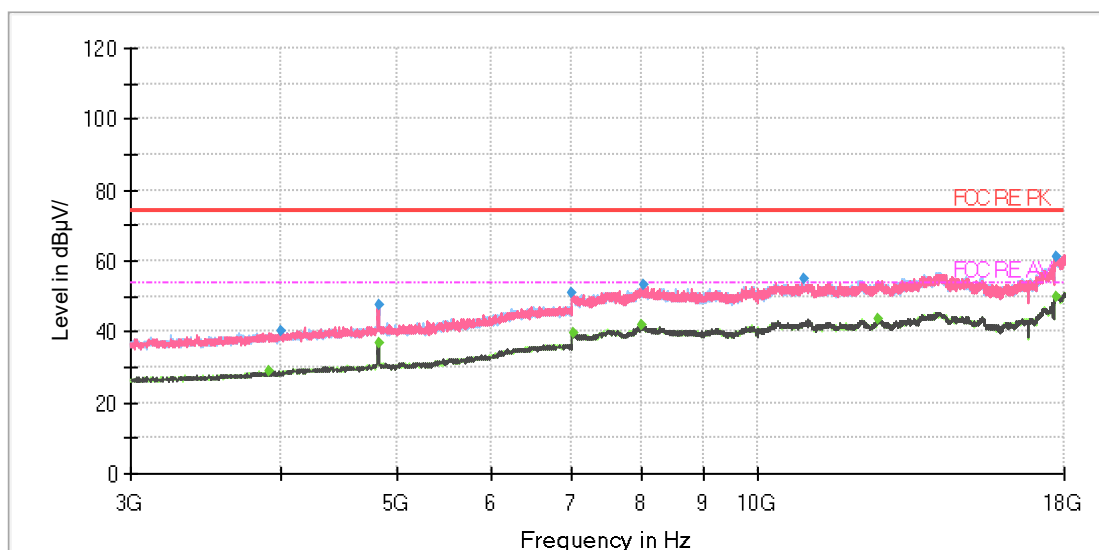
802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

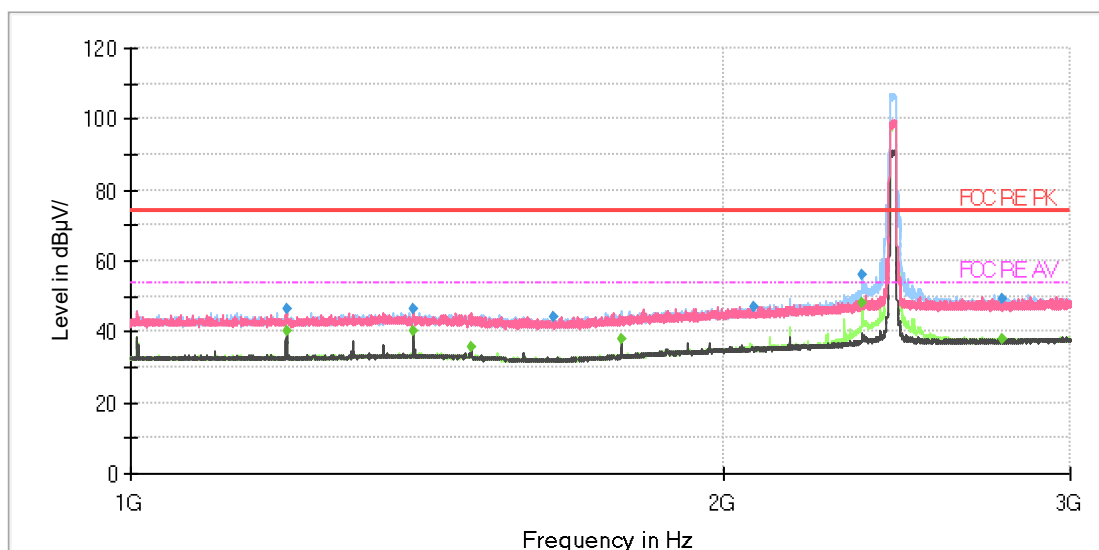
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.75	46.41	---	74.00	27.59	500.00	200.0	V	151.00	-5
1199.75	---	39.77	54.00	14.23	500.00	200.0	H	112.00	-5
1392.00	47.03	---	74.00	26.97	500.00	100.0	H	168.00	-4
1392.00	---	40.25	54.00	13.75	500.00	100.0	H	168.00	-4
1470.50	46.08	---	74.00	27.92	500.00	100.0	V	219.00	-4
1584.00	---	35.84	54.00	18.16	500.00	200.0	V	61.00	-4
1968.00	---	38.89	54.00	15.11	500.00	100.0	V	291.00	-3
1968.00	47.04	---	74.00	26.96	500.00	100.0	V	291.00	-3
2351.25	---	47.96	54.00	6.04	500.00	200.0	V	49.00	-1
2352.50	55.93	---	74.00	18.07	500.00	100.0	V	125.00	-1
2543.50	---	40.52	54.00	13.48	500.00	200.0	V	8.00	-1
2656.00	50.04	---	74.00	23.96	500.00	200.0	V	8.00	-1



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3915.00	---	28.87	54.00	25.13	500.00	200.0	V	345.00	-9
4005.00	40.10	---	74.00	33.90	500.00	200.0	V	83.00	-8
4824.38	---	36.97	54.00	17.03	500.00	100.0	H	0.00	-7
4826.25	47.29	---	74.00	26.71	500.00	100.0	H	358.00	-7
7003.13	51.18	---	74.00	22.82	500.00	100.0	V	0.00	0
7016.25	---	39.56	54.00	14.44	500.00	100.0	H	191.00	0
7989.38	---	41.71	54.00	12.29	500.00	100.0	V	250.00	2
8041.88	53.08	---	74.00	20.92	500.00	100.0	H	36.00	2
10927.50	54.71	---	74.00	19.29	500.00	100.0	H	0.00	5
12603.75	---	43.62	54.00	10.38	500.00	100.0	V	327.00	5
17698.13	61.11	---	74.00	12.89	500.00	200.0	H	358.00	13
17724.38	---	49.66	54.00	4.34	500.00	100.0	H	164.00	13

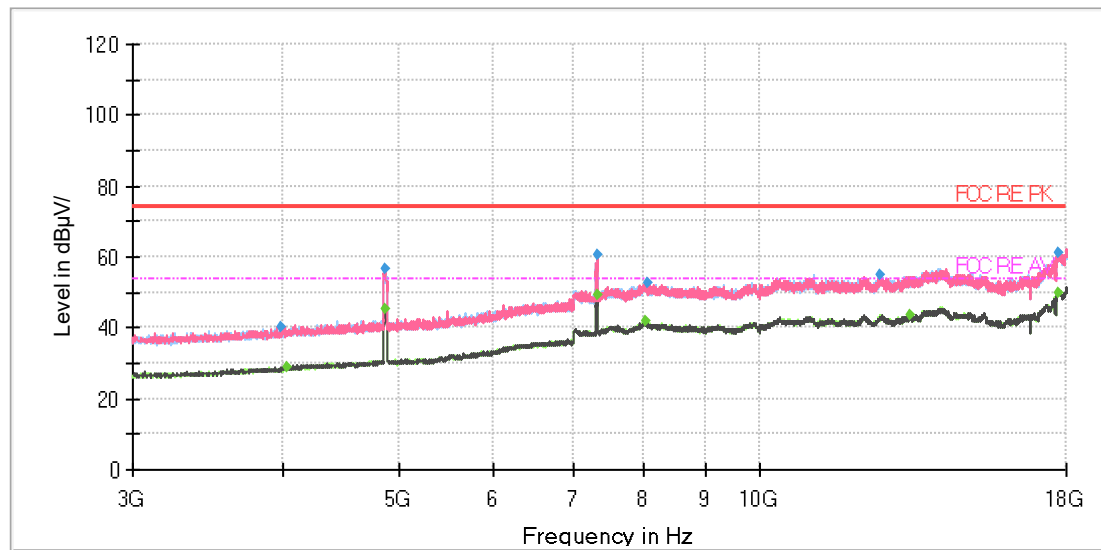
802.11g CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

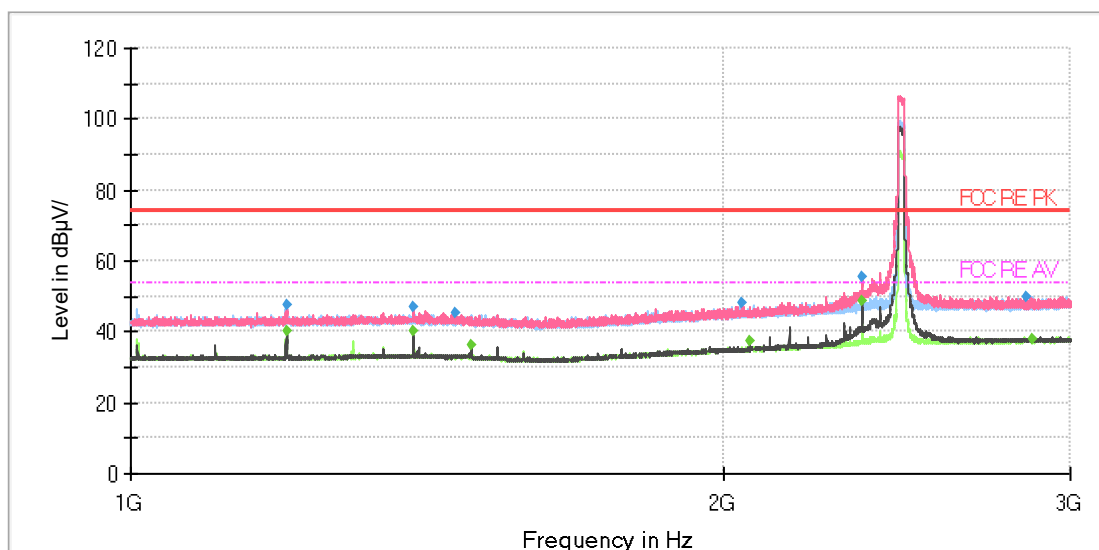
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.50	46.26	---	74.00	27.74	500.00	100.0	H	0.00	-5
1199.75	---	40.33	54.00	13.67	500.00	200.0	V	0.00	-5
1391.75	---	40.12	54.00	13.88	500.00	100.0	H	259.00	-4
1392.00	46.64	---	74.00	27.36	500.00	200.0	V	164.00	-4
1487.75	---	35.76	54.00	18.24	500.00	200.0	V	189.00	-4
1638.25	44.06	---	74.00	29.94	500.00	200.0	V	347.00	-4
1775.75	---	38.14	54.00	15.86	500.00	200.0	H	286.00	-4
2071.25	47.22	---	74.00	26.78	500.00	100.0	H	76.00	-3
2352.00	55.96	---	74.00	18.04	500.00	200.0	H	140.00	-1
2352.00	---	48.32	54.00	5.68	500.00	200.0	H	140.00	-1
2767.25	---	38.05	54.00	15.95	500.00	200.0	V	313.00	0
2773.00	49.09	---	74.00	24.91	500.00	100.0	H	223.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3986.25	40.17	---	74.00	33.83	500.00	200.0	V	292.00	-8
4040.63	---	28.95	54.00	25.05	500.00	200.0	H	220.00	-8
4871.25	---	45.38	54.00	8.62	500.00	100.0	V	356.00	-6
4871.25	56.63	---	74.00	17.37	500.00	100.0	V	356.00	-6
7308.75	---	49.23	54.00	4.77	500.00	200.0	V	106.00	1
7312.50	60.70	---	74.00	13.30	500.00	200.0	V	106.00	1
8019.38	---	41.67	54.00	12.33	500.00	100.0	V	275.00	2
8043.75	52.68	---	74.00	21.32	500.00	200.0	V	185.00	2
12570.00	54.85	---	74.00	19.15	500.00	100.0	H	358.00	5
13342.50	---	43.62	54.00	10.38	500.00	200.0	H	359.00	7
17715.00	60.88	---	74.00	13.12	500.00	200.0	V	14.00	13
17726.25	---	49.89	54.00	4.11	500.00	100.0	H	2.00	13

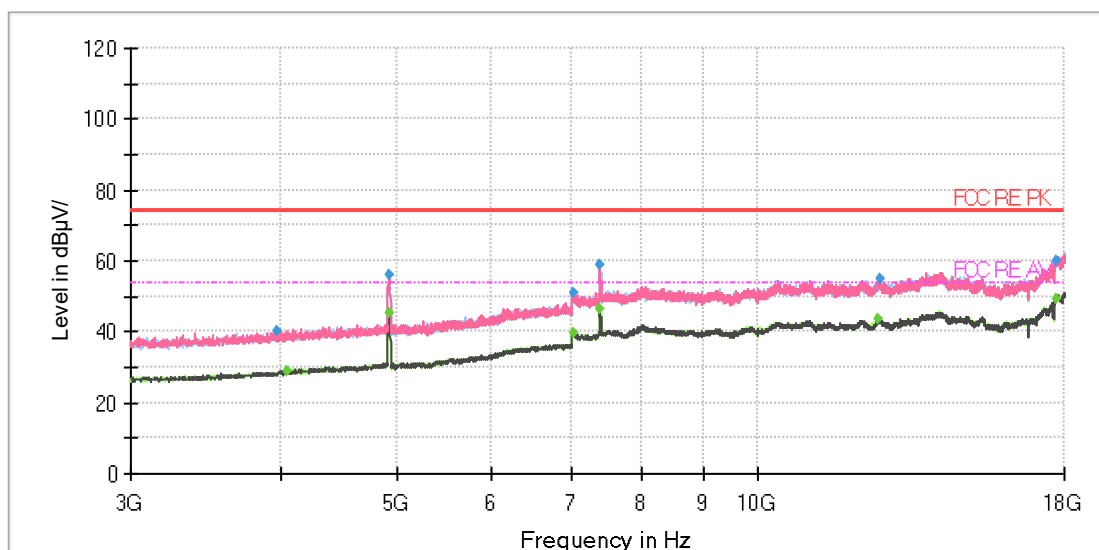
802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

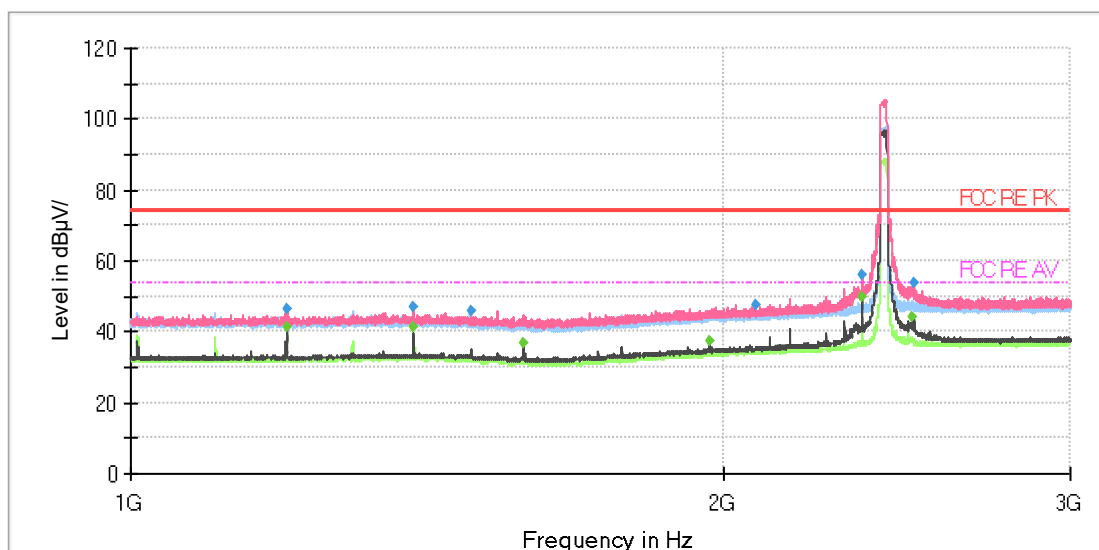
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.50	---	40.47	54.00	13.53	500.00	100.0	H	109.00	-5
1199.75	47.65	---	74.00	26.35	500.00	100.0	H	109.00	-5
1391.00	46.96	---	74.00	27.04	500.00	200.0	H	205.00	-4
1391.75	---	40.19	54.00	13.81	500.00	100.0	H	152.00	-4
1461.75	45.10	---	74.00	28.90	500.00	200.0	V	223.00	-4
1487.75	---	35.96	54.00	18.04	500.00	200.0	V	357.00	-4
2043.50	47.99	---	74.00	26.01	500.00	100.0	V	5.00	-3
2063.50	---	37.31	54.00	16.69	500.00	100.0	V	211.00	-3
2351.00	55.66	---	74.00	18.34	500.00	100.0	V	10.00	-1
2351.25	---	48.85	54.00	5.15	500.00	100.0	V	127.00	-1
2848.00	49.72	---	74.00	24.28	500.00	100.0	V	127.00	0
2871.50	---	38.13	54.00	15.87	500.00	100.0	V	350.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3969.38	40.42	---	74.00	33.58	500.00	200.0	H	259.00	-8
4042.50	---	29.00	54.00	25.00	500.00	200.0	H	259.00	-8
4920.00	---	45.15	54.00	8.85	500.00	100.0	V	0.00	-6
4923.75	56.12	---	74.00	17.88	500.00	200.0	V	160.00	-6
7005.00	50.82	---	74.00	23.18	500.00	200.0	H	309.00	0
7020.00	---	39.64	54.00	14.36	500.00	100.0	V	277.00	0
7368.75	58.63	---	74.00	15.37	500.00	200.0	H	205.00	1
7385.63	---	46.45	54.00	7.55	500.00	100.0	H	100.00	1
12609.38	---	43.73	54.00	10.27	500.00	200.0	V	0.00	5
12637.50	55.06	---	74.00	18.94	500.00	100.0	H	45.00	5
17715.00	---	49.50	54.00	4.50	500.00	200.0	H	117.00	13
17718.75	60.07	---	74.00	13.93	500.00	200.0	V	1.00	13

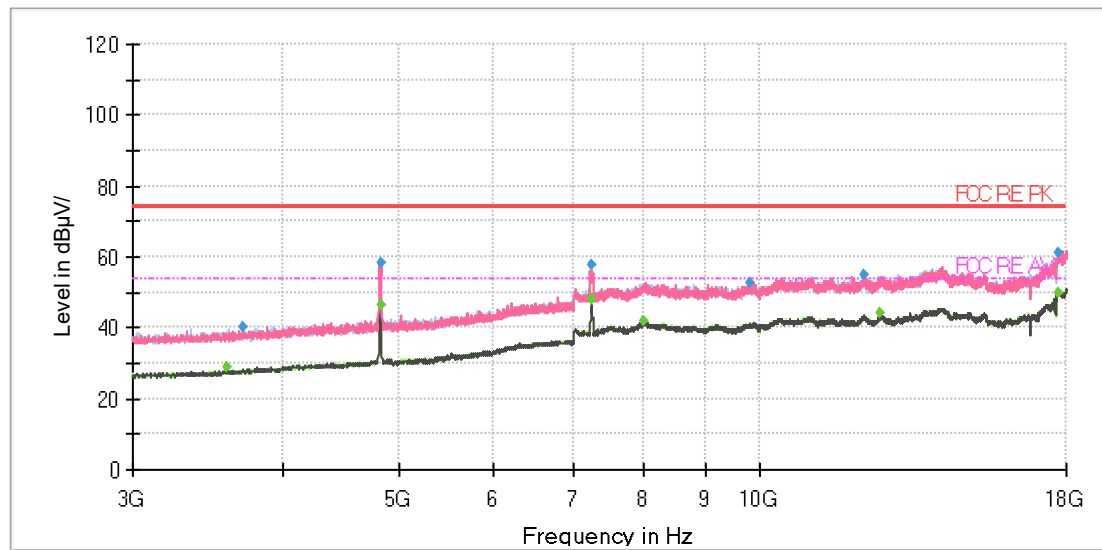
802.11n (HT20) CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

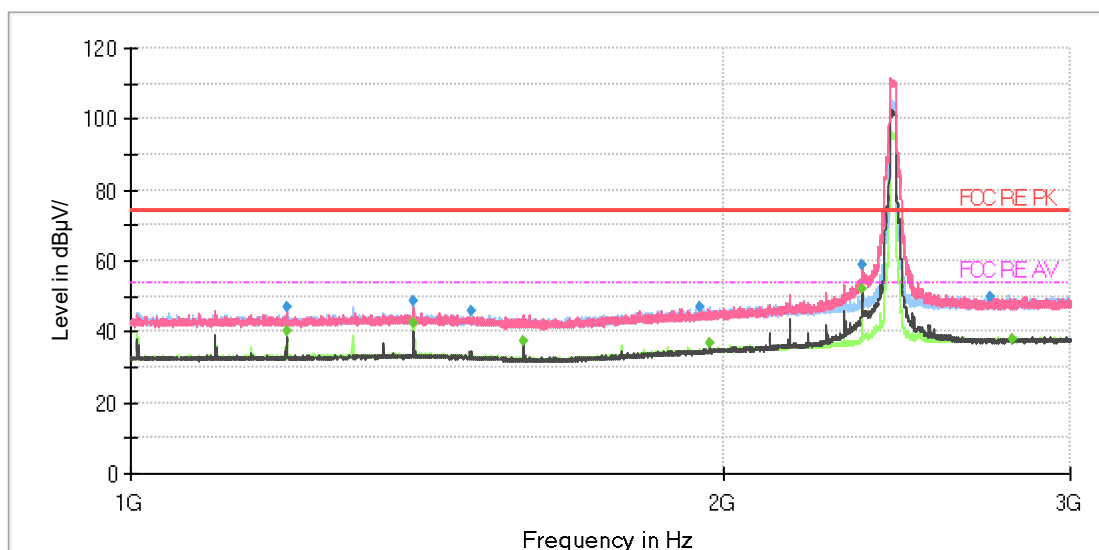
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.75	46.32	---	74.00	27.68	500.00	100.0	V	350.00	-5
1200.00	---	41.06	54.00	12.94	500.00	100.0	H	341.00	-5
1391.00	47.13	---	74.00	26.87	500.00	200.0	H	146.00	-4
1391.75	---	41.24	54.00	12.76	500.00	200.0	H	146.00	-4
1487.50	45.84	---	74.00	28.16	500.00	100.0	H	191.00	-4
1583.25	---	36.71	54.00	17.29	500.00	200.0	V	67.00	-4
1967.25	---	37.43	54.00	16.57	500.00	100.0	V	295.00	-3
2078.50	47.64	---	74.00	26.36	500.00	100.0	V	235.00	-3
2352.25	56.18	---	74.00	17.82	500.00	100.0	V	38.00	-1
2352.25	---	50.06	54.00	3.94	500.00	100.0	V	38.00	-1
2495.75	---	44.09	54.00	9.91	500.00	100.0	V	0.00	-1
2496.50	53.98	---	74.00	20.02	500.00	100.0	V	0.00	-1



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3600.00	---	29.09	54.00	24.91	500.00	200.0	V	323.00	-9
3710.63	40.19	---	74.00	33.81	500.00	100.0	V	64.00	-9
4826.25	---	46.58	54.00	7.42	500.00	200.0	H	0.00	-7
4826.25	58.53	---	74.00	15.47	500.00	200.0	H	0.00	-7
7235.63	---	47.92	54.00	6.08	500.00	200.0	H	90.00	1
7245.00	58.00	---	74.00	16.00	500.00	200.0	H	90.00	1
8011.88	---	41.79	54.00	12.21	500.00	100.0	H	7.00	2
9806.25	52.76	---	74.00	21.24	500.00	100.0	H	0.00	2
12195.00	55.02	---	74.00	18.98	500.00	100.0	H	7.00	5
12583.13	---	44.07	54.00	9.93	500.00	200.0	V	114.00	5
17724.38	61.32	---	74.00	12.68	500.00	200.0	V	166.00	13
17726.25	---	49.95	54.00	4.05	500.00	200.0	V	88.00	13

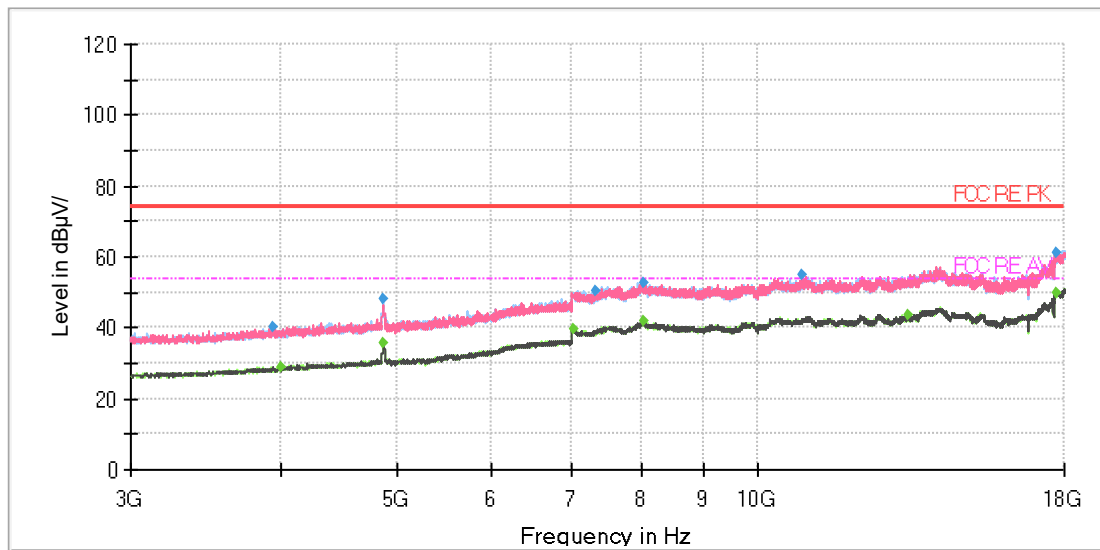
802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

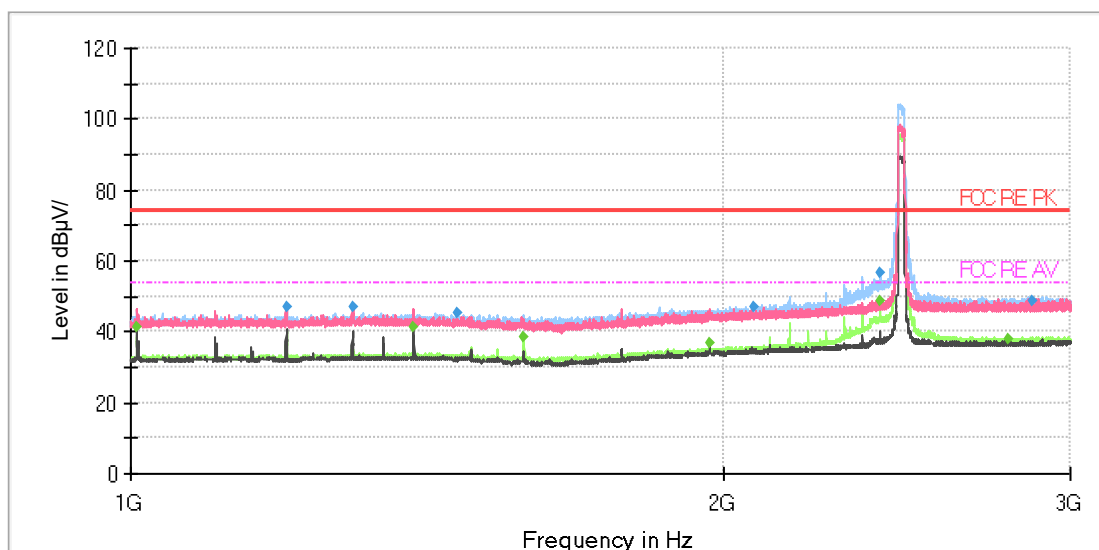
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.75	---	40.40	54.00	13.60	500.00	100.0	H	122.00	-5
1200.75	46.81	---	74.00	27.19	500.00	200.0	H	176.00	-5
1391.50	---	42.24	54.00	11.76	500.00	200.0	H	164.00	-4
1392.25	48.47	---	74.00	25.53	500.00	200.0	H	249.00	-4
1487.75	46.01	---	74.00	27.99	500.00	100.0	H	160.00	-4
1583.50	---	37.17	54.00	16.83	500.00	200.0	V	66.00	-4
1944.50	47.15	---	74.00	26.85	500.00	200.0	H	310.00	-3
1967.75	---	37.01	54.00	16.99	500.00	100.0	H	196.00	-3
2351.00	---	51.87	54.00	2.13	500.00	100.0	V	10.00	-1
2351.00	58.93	---	74.00	15.07	500.00	100.0	V	10.00	-1
2732.25	49.72	---	74.00	24.28	500.00	100.0	H	147.00	0
2805.75	---	38.20	54.00	15.80	500.00	100.0	V	237.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3943.13	40.31	---	74.00	33.69	500.00	100.0	H	0.00	-8
4005.00	---	28.83	54.00	25.17	500.00	100.0	V	0.00	-8
4869.38	---	35.82	54.00	18.18	500.00	100.0	V	0.00	-6
4873.13	48.13	---	74.00	25.87	500.00	200.0	H	0.00	-6
7012.50	---	39.64	54.00	14.36	500.00	200.0	V	219.00	0
7316.25	50.49	---	74.00	23.51	500.00	100.0	H	25.00	1
8019.38	---	42.05	54.00	11.95	500.00	200.0	V	116.00	2
8023.13	52.87	---	74.00	21.13	500.00	200.0	V	87.00	2
10875.00	54.79	---	74.00	19.21	500.00	100.0	V	302.00	4
13351.88	---	43.77	54.00	10.23	500.00	200.0	H	93.00	7
17731.88	61.11	---	74.00	12.89	500.00	200.0	V	87.00	13
17750.63	---	50.06	54.00	3.94	500.00	200.0	V	16.00	13

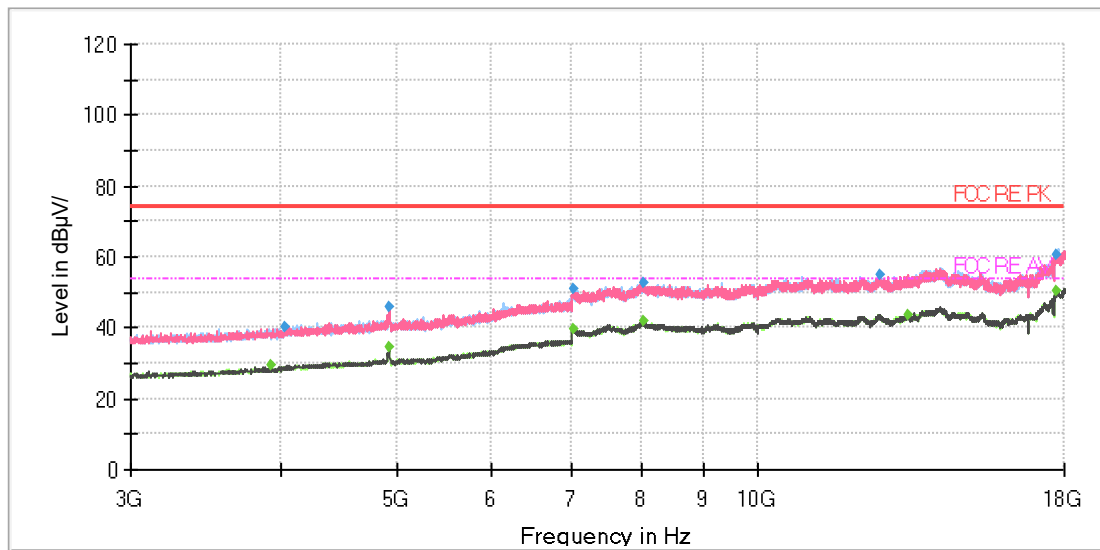
802.11n (HT20) CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

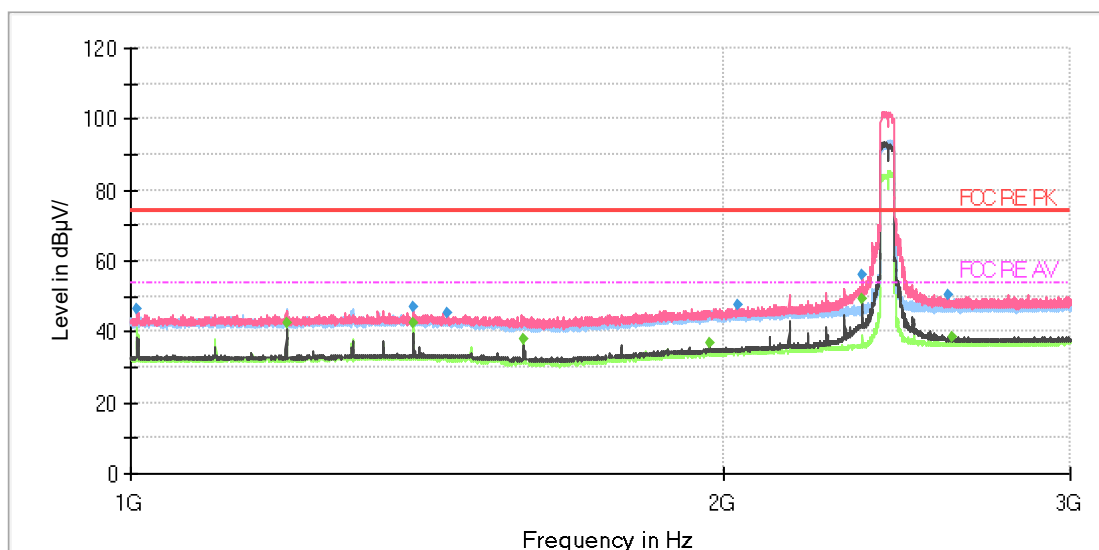
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.75	---	41.39	54.00	12.61	500.00	100.0	V	145.00	-5
1199.25	47.21	---	74.00	26.79	500.00	200.0	V	142.00	-5
1296.25	46.73	---	74.00	27.27	500.00	100.0	V	207.00	-5
1391.75	---	41.28	54.00	12.72	500.00	100.0	V	158.00	-4
1465.25	45.12	---	74.00	28.88	500.00	100.0	H	259.00	-4
1583.75	---	38.32	54.00	15.68	500.00	200.0	H	64.00	-4
1967.25	---	37.05	54.00	16.95	500.00	100.0	H	297.00	-3
2069.75	47.20	---	74.00	26.80	500.00	200.0	H	358.00	-3
2400.00	---	48.65	54.00	5.35	500.00	100.0	H	49.00	-1
2400.00	56.69	---	74.00	17.31	500.00	100.0	H	49.00	-1
2787.50	---	38.04	54.00	15.96	500.00	100.0	H	134.00	0
2866.75	48.53	---	74.00	25.47	500.00	100.0	H	24.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3922.50	---	29.30	54.00	24.70	500.00	200.0	V	266.00	-8
4036.88	40.05	---	74.00	33.95	500.00	100.0	V	273.00	-8
4923.75	---	34.50	54.00	19.50	500.00	100.0	V	144.00	-6
4927.50	45.76	---	74.00	28.24	500.00	200.0	H	325.00	-6
7012.50	51.04	---	74.00	22.96	500.00	200.0	V	0.00	0
7016.25	---	39.63	54.00	14.37	500.00	200.0	V	174.00	0
8015.63	---	41.78	54.00	12.22	500.00	200.0	V	0.00	2
8026.88	52.51	---	74.00	21.49	500.00	200.0	V	42.00	2
12620.63	54.92	---	74.00	19.08	500.00	200.0	H	0.00	5
13351.88	---	43.85	54.00	10.15	500.00	200.0	V	8.00	7
17713.13	60.48	---	74.00	13.52	500.00	100.0	H	32.00	13
17756.25	---	50.59	54.00	3.41	500.00	200.0	V	68.00	13

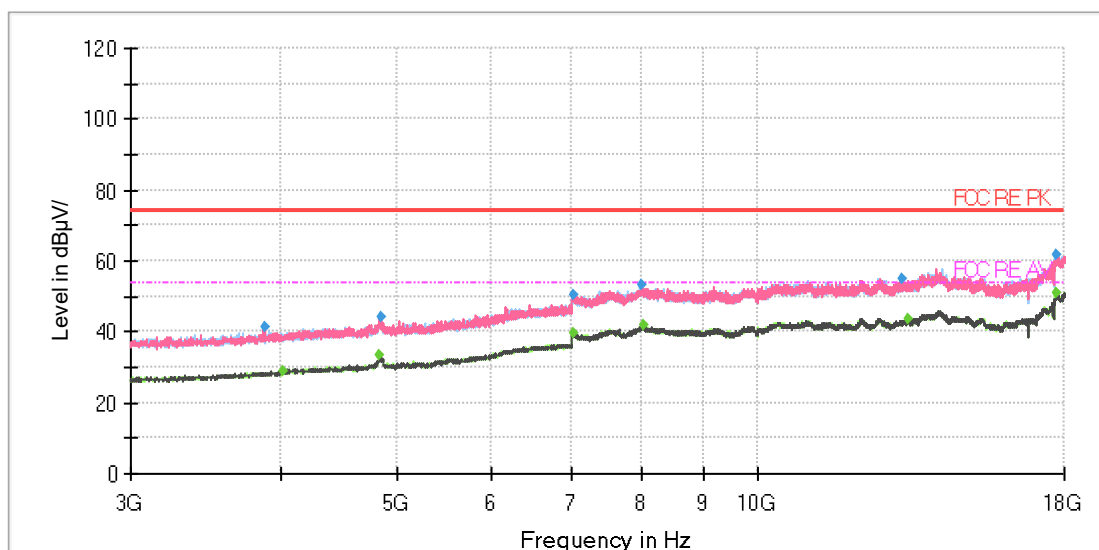
802.11n (HT40) CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

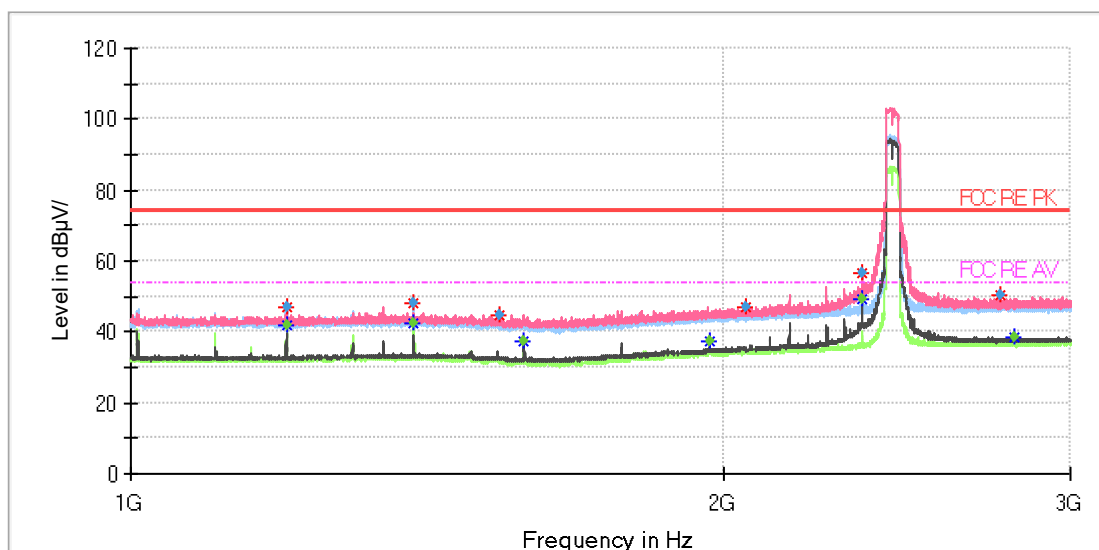
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.50	46.65	---	74.00	27.35	500.00	200.0	H	125.00	-5
1199.75	---	42.20	54.00	11.80	500.00	100.0	H	57.00	-5
1391.50	---	42.66	54.00	11.34	500.00	100.0	H	146.00	-4
1392.50	47.17	---	74.00	26.83	500.00	100.0	H	146.00	-4
1449.25	45.47	---	74.00	28.53	500.00	200.0	V	358.00	-4
1584.25	---	37.77	54.00	16.23	500.00	100.0	H	108.00	-4
1967.75	---	36.73	54.00	17.27	500.00	200.0	V	281.00	-3
2032.25	47.28	---	74.00	26.72	500.00	100.0	V	115.00	-3
2351.25	55.84	---	74.00	18.16	500.00	200.0	V	342.00	-1
2351.75	---	48.98	54.00	5.02	500.00	200.0	V	0.00	-1
2603.25	50.20	---	74.00	23.81	500.00	100.0	V	10.00	-1
2614.00	---	38.48	54.00	15.52	500.00	200.0	V	355.00	-1



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3877.50	41.18	---	74.00	32.82	500.00	100.0	V	0.00	-9
4014.38	---	29.04	54.00	24.96	500.00	100.0	V	351.00	-8
4841.25	---	33.37	54.00	20.63	500.00	200.0	V	1.00	-6
4843.13	44.12	---	74.00	29.88	500.00	200.0	H	359.00	-6
7005.00	50.53	---	74.00	23.47	500.00	100.0	H	0.00	0
7012.50	---	39.69	54.00	14.31	500.00	200.0	H	303.00	0
7983.75	53.27	---	74.00	20.73	500.00	100.0	H	214.00	2
8028.75	---	41.71	54.00	12.29	500.00	100.0	H	81.00	2
13185.00	54.86	---	74.00	19.14	500.00	200.0	V	60.00	7
13350.00	---	43.74	54.00	10.26	500.00	200.0	V	112.00	7
17754.38	---	50.71	54.00	3.29	500.00	100.0	V	357.00	13
17756.25	61.47	---	74.00	12.53	500.00	200.0	H	276.00	13

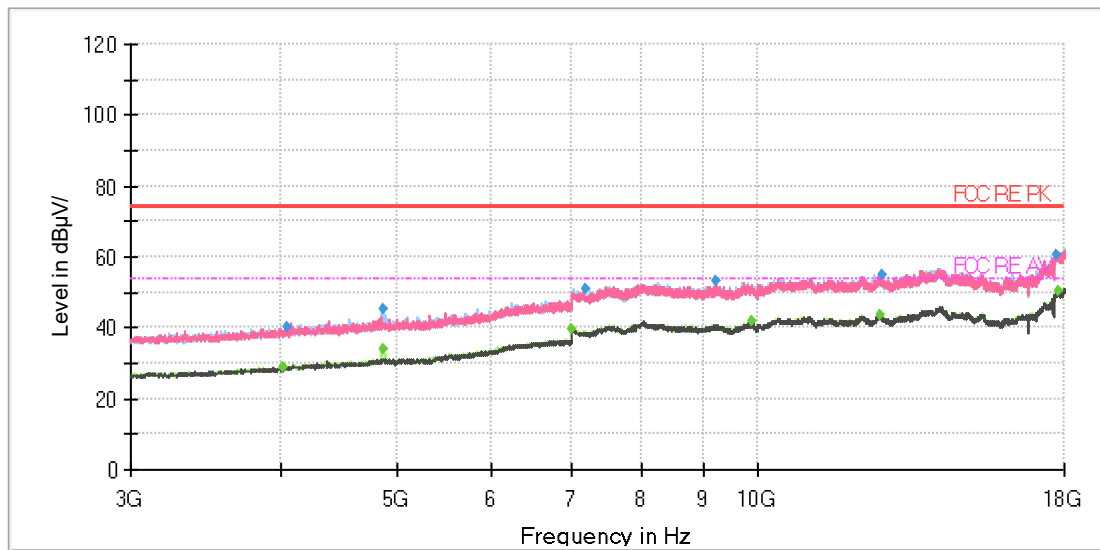
802.11n (HT40) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

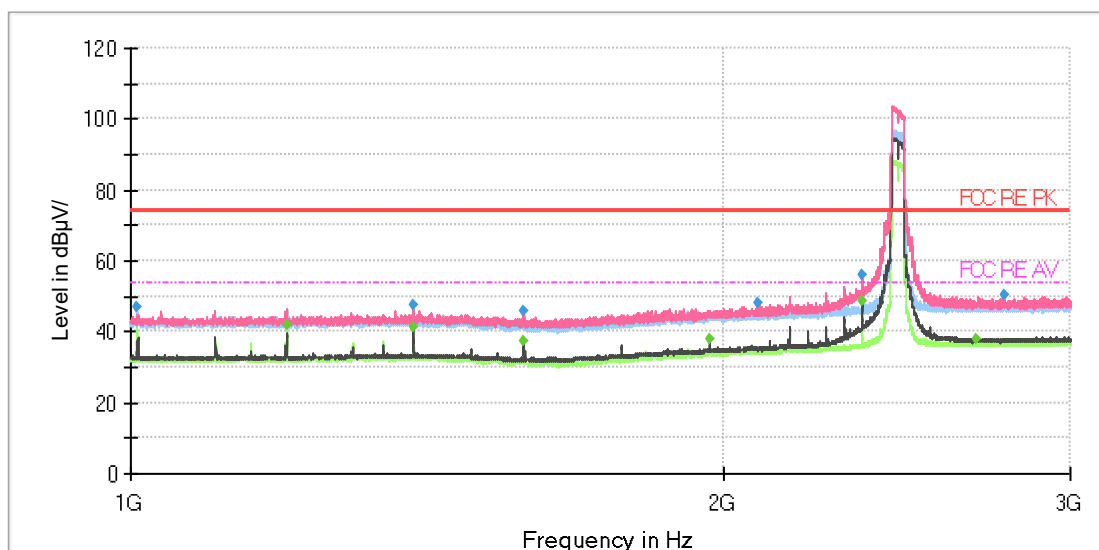
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.50	---	41.65	54.00	12.35	500.00	100.0	H	87.00	-5
1199.75	47.14	---	74.00	26.86	500.00	100.0	H	87.00	-5
1391.25	48.35	---	74.00	25.65	500.00	200.0	H	151.00	-4
1392.25	---	42.54	54.00	11.46	500.00	200.0	H	151.00	-4
1537.25	44.84	---	74.00	29.16	500.00	200.0	V	309.00	-4
1584.00	---	37.60	54.00	16.40	500.00	200.0	V	43.00	-4
1968.25	---	37.25	54.00	16.75	500.00	100.0	H	302.00	-3
2054.50	46.88	---	74.00	27.12	500.00	100.0	V	260.00	-3
2350.75	56.51	---	74.00	17.49	500.00	100.0	V	9.00	-1
2351.75	---	49.45	54.00	4.55	500.00	200.0	V	30.00	-1
2766.00	50.33	---	74.00	23.67	500.00	200.0	V	173.00	0
2806.50	---	38.31	54.00	15.69	500.00	200.0	V	10.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4016.25	---	29.07	54.00	24.93	500.00	100.0	H	90.00	-8
4042.50	40.22	---	74.00	33.78	500.00	200.0	V	224.00	-8
4869.38	45.21	---	74.00	28.79	500.00	200.0	H	0.00	-6
4873.13	---	33.98	54.00	20.02	500.00	200.0	H	0.00	-6
7003.13	---	39.36	54.00	14.64	500.00	100.0	H	304.00	0
7177.50	50.97	---	74.00	23.03	500.00	200.0	H	115.00	0
9236.25	52.99	---	74.00	21.01	500.00	200.0	V	32.00	2
9881.25	---	42.01	54.00	11.99	500.00	100.0	V	233.00	2
12615.00	---	43.70	54.00	10.30	500.00	200.0	V	0.00	5
12678.75	54.99	---	74.00	19.01	500.00	100.0	H	33.00	6
17743.13	60.79	---	74.00	13.21	500.00	100.0	V	175.00	13
17767.50	---	50.33	54.00	3.67	500.00	100.0	H	16.00	13

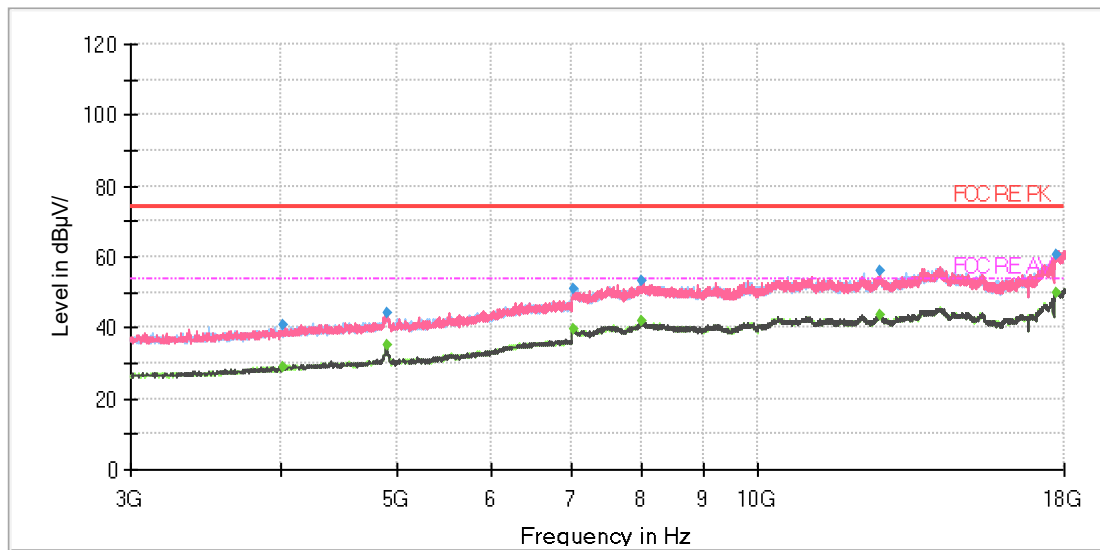
802.11n (HT40) CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1008.00	46.94	---	74.00	27.06	500.00	200.0	H	131.00	-5
1199.75	---	41.77	54.00	12.23	500.00	100.0	H	61.00	-5
1392.00	---	41.23	54.00	12.77	500.00	200.0	H	166.00	-4
1392.00	47.53	---	74.00	26.47	500.00	200.0	V	307.00	-4
1584.00	---	37.56	54.00	16.44	500.00	100.0	V	52.00	-4
1584.50	45.62	---	74.00	28.38	500.00	200.0	V	49.00	-4
1967.75	---	37.82	54.00	16.18	500.00	200.0	V	49.00	-3
2079.50	47.88	---	74.00	26.12	500.00	100.0	V	288.00	-3
2352.00	55.80	---	74.00	18.20	500.00	100.0	V	25.00	-1
2352.00	---	48.75	54.00	5.25	500.00	100.0	V	25.00	-1
2687.50	---	37.97	54.00	16.03	500.00	100.0	V	352.00	-1
2774.25	50.55	---	74.00	23.45	500.00	100.0	V	311.00	0



Radiates Emission from 3GHz to 18GHz

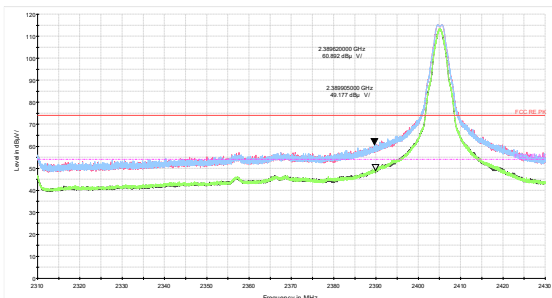
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4020.00	---	29.03	54.00	24.97	500.00	200.0	V	12.00	-8
4023.75	40.82	---	74.00	33.18	500.00	100.0	H	16.00	-8
4903.13	---	35.36	54.00	18.64	500.00	100.0	V	142.00	-6
4903.13	44.37	---	74.00	29.63	500.00	200.0	H	338.00	-6
7023.75	---	39.41	54.00	14.59	500.00	100.0	H	61.00	0
7027.50	50.94	---	74.00	23.06	500.00	200.0	V	214.00	0
8000.63	53.40	---	74.00	20.60	500.00	100.0	V	0.00	2
8004.38	---	41.69	54.00	12.31	500.00	100.0	H	166.00	2
12624.38	---	43.80	54.00	10.20	500.00	100.0	V	169.00	5
12639.38	56.30	---	74.00	17.70	500.00	100.0	V	0.00	5
17720.63	60.81	---	74.00	13.19	500.00	100.0	V	358.00	13
17730.00	---	49.82	54.00	4.18	500.00	100.0	H	218.00	13

1.2. Zigbee

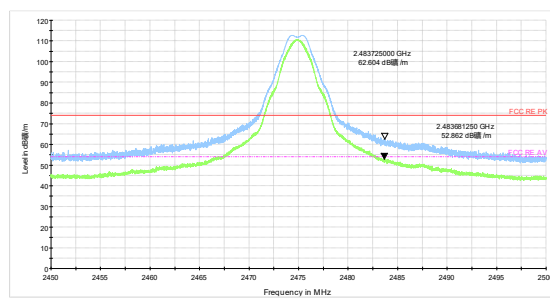
The following graphs display the maximum values of horizontal and vertical by software. Blue trace uses the peak detection, Green trace uses the average detection.

A symbol ($\text{dB}\mu\text{V}/$) or ($\text{dB V}/$) in the test plot below means ($\text{dB}\mu\text{V}/\text{m}$)

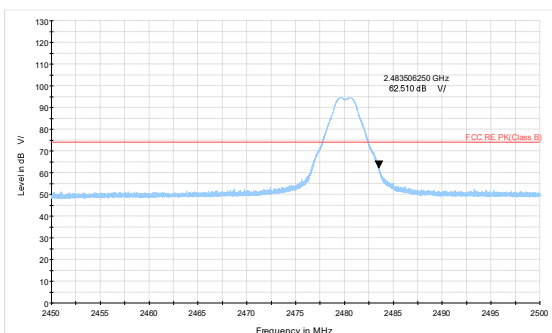
The signal beyond the limit is carrier.



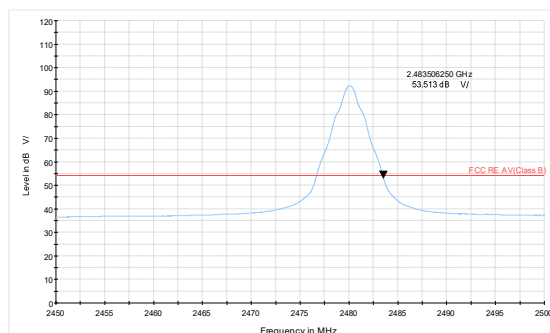
Zigbee Channel 11 Peak+ Average



Zigbee Channel 25 Peak+ Average



Zigbee Channel 26 Peak



Zigbee Channel 26 Average

Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier.
The Radiates Emission from 18GHz to 26.5GHz are more than 20dB below the limit are not reported.

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **A symbol ($\text{dB}\mu\text{V/}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)**
4. **The following graphs display the maximum values of horizontal and vertical by software.**
5. **For below 1GHz**

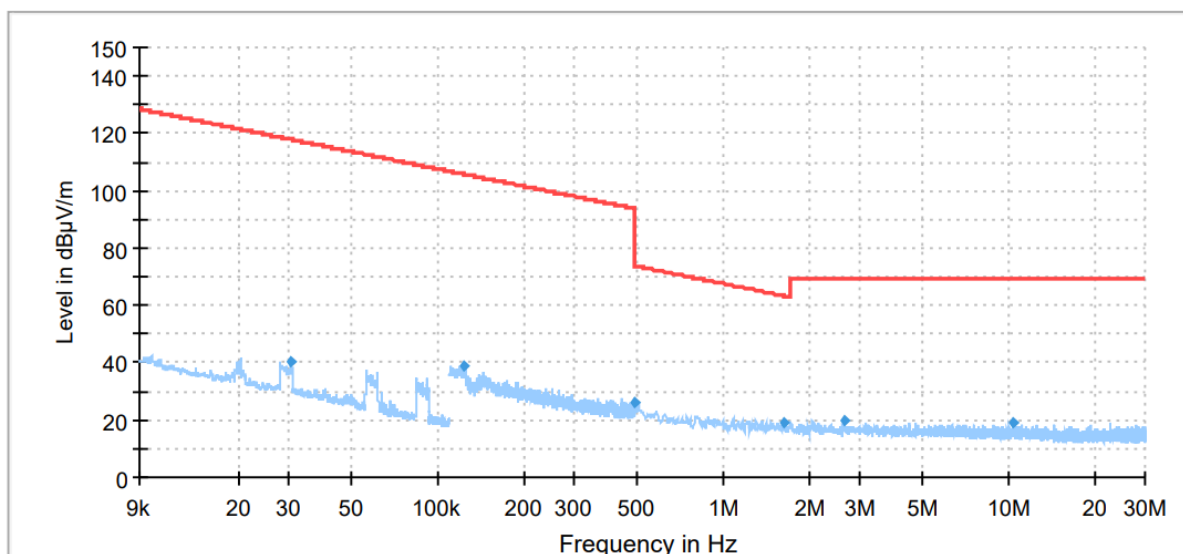
 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

For above 1GHz

 PK Level @Spectrum Overview H
  PK Level @Spectrum Overview V
  PK Level @Final Results
  PK Limit
 AVG Level @Spectrum Overview H
  AVG Level @Spectrum Overview V
  AVG Level @Final Results
  AVG Limit

Continuous TX mode:

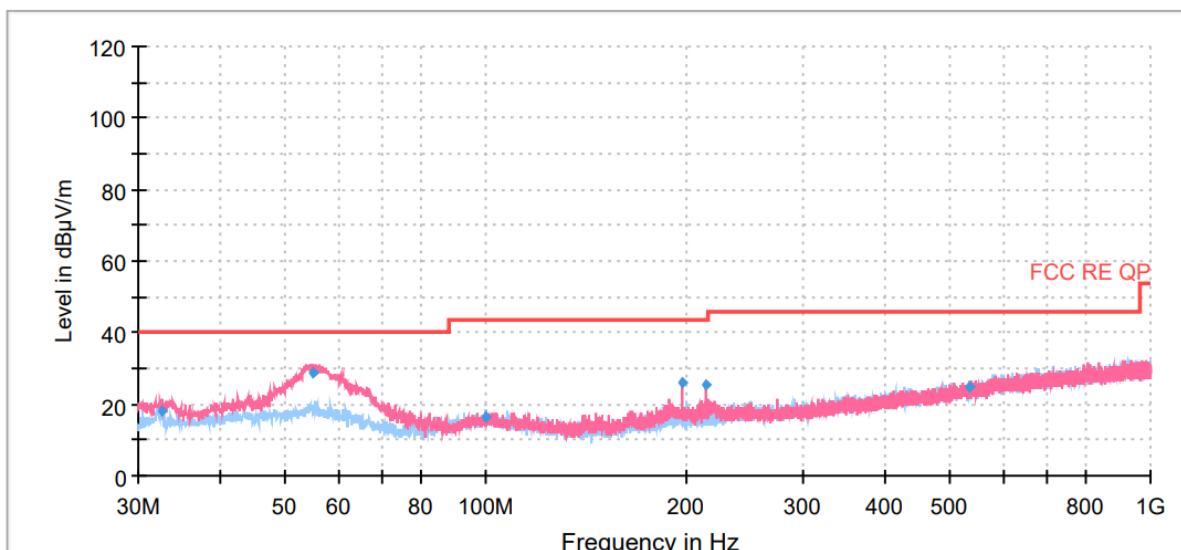
During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Azimuth (deg)	Corr. (dB/m)
0.03	40.65	117.88	77.22	500.00	96.00	17
0.12	38.65	105.85	67.20	150.00	139.00	17
0.49	26.14	73.80	47.66	150.00	53.00	17
1.63	19.25	63.33	44.08	150.00	0.00	17
2.67	19.62	69.50	49.88	150.00	7.00	17
10.43	19.02	69.50	50.48	150.00	304.00	17

Radiates Emission from 9kHz to 30MHz

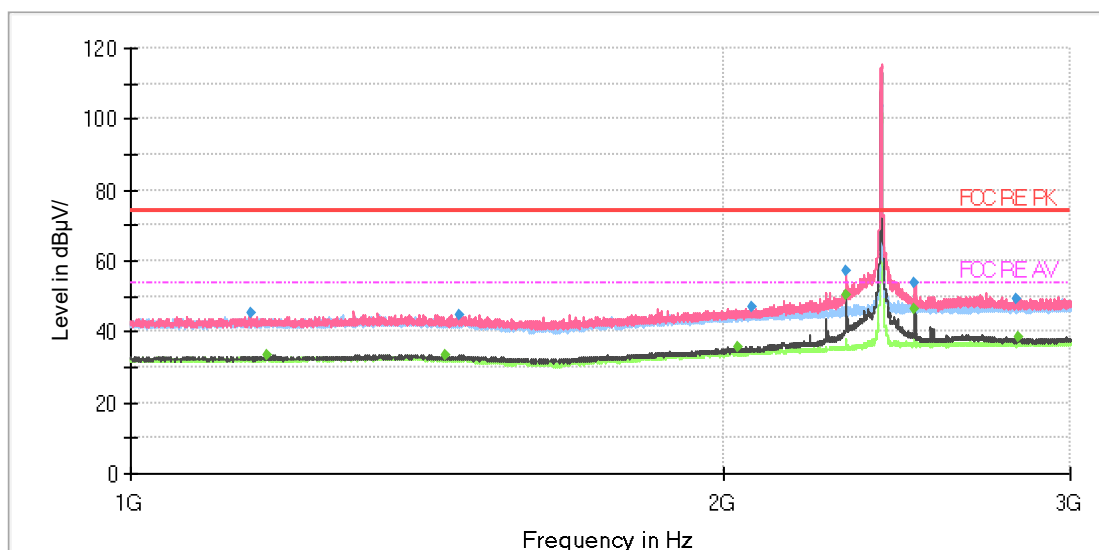


Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.58	18.22	40.00	21.78	1000.00	100.0	V	212.00	17
54.85	28.60	40.00	11.40	1000.00	102.0	V	6.00	20
100.22	16.60	43.50	26.90	1000.00	102.0	H	351.00	19
198.00	26.20	43.50	17.30	1000.00	225.0	V	239.00	18
214.49	25.59	43.50	17.91	1000.00	199.0	V	114.00	18
534.95	24.70	46.00	21.30	1000.00	102.0	H	306.00	26

Radiates Emission from 30MHz to 1GHz

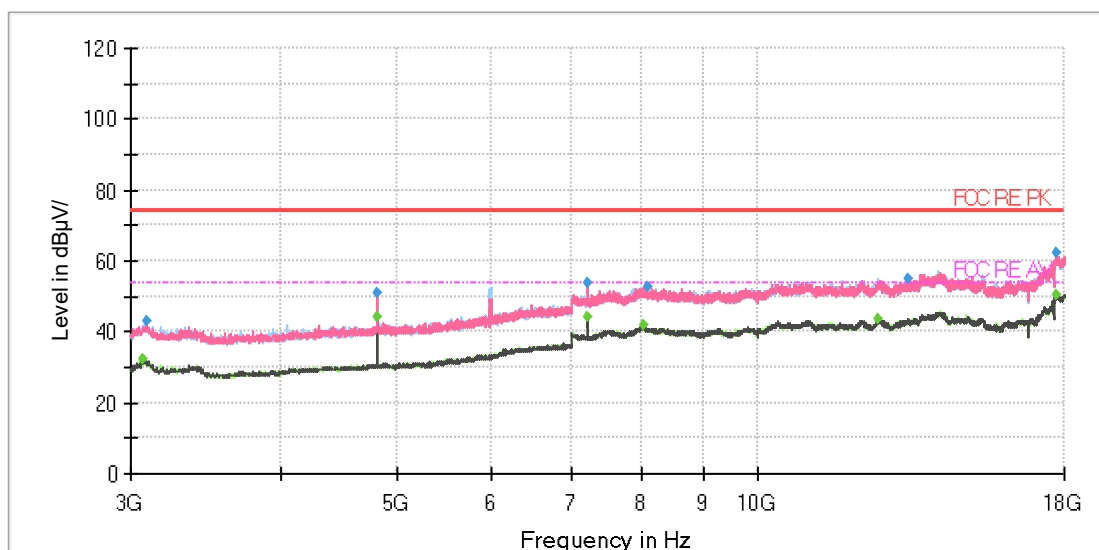
Zigbee-Channel 11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

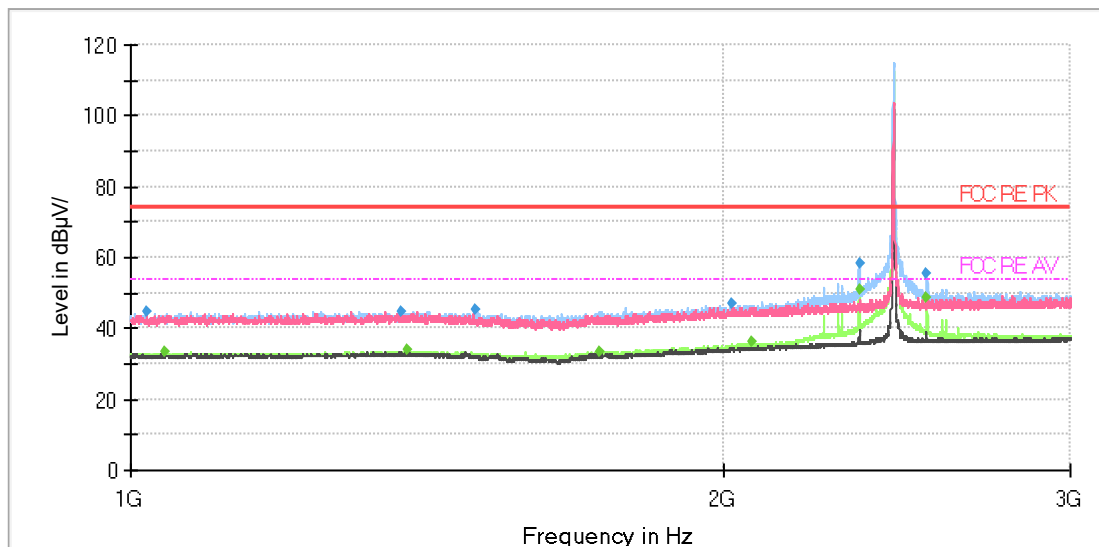
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1149.75	45.05	---	74.00	28.95	500.00	100.0	V	265.00	-5
1173.75	---	33.35	54.00	20.65	500.00	200.0	V	226.00	-5
1444.50	---	33.27	54.00	20.73	500.00	200.0	V	358.00	-4
1466.75	44.88	---	74.00	29.12	500.00	200.0	V	324.00	-4
2032.00	---	35.67	54.00	18.33	500.00	200.0	V	161.00	-3
2066.00	46.81	---	74.00	27.19	500.00	100.0	V	85.00	-3
2308.75	---	50.19	54.00	3.81	500.00	200.0	V	0.00	-1
2309.50	57.01	---	74.00	16.99	500.00	200.0	V	347.00	-1
2501.00	---	46.69	54.00	7.31	500.00	200.0	V	0.00	-1
2501.50	53.89	---	74.00	20.11	500.00	200.0	V	0.00	-1
2816.50	49.41	---	74.00	24.59	500.00	200.0	V	177.00	0
2824.25	---	38.25	54.00	15.75	500.00	200.0	V	161.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3075.00	---	32.17	54.00	21.83	500.00	200.0	V	18.00	-10
3090.00	42.81	---	74.00	31.19	500.00	200.0	V	18.00	-10
4809.38	---	44.08	54.00	9.92	500.00	100.0	H	322.00	-7
4809.38	50.95	---	74.00	23.05	500.00	100.0	H	322.00	-7
7213.13	---	44.43	54.00	9.57	500.00	200.0	H	321.00	1
7216.88	53.63	---	74.00	20.37	500.00	200.0	V	296.00	1
8019.38	---	41.68	54.00	12.32	500.00	200.0	V	0.00	2
8075.63	52.72	---	74.00	21.28	500.00	200.0	V	36.00	2
12601.88	---	43.74	54.00	10.26	500.00	200.0	H	90.00	5
13348.13	54.85	---	74.00	19.15	500.00	200.0	V	0.00	7
17703.75	62.15	---	74.00	11.85	500.00	200.0	H	116.00	13
17741.25	---	50.66	54.00	3.34	500.00	200.0	H	353.00	13

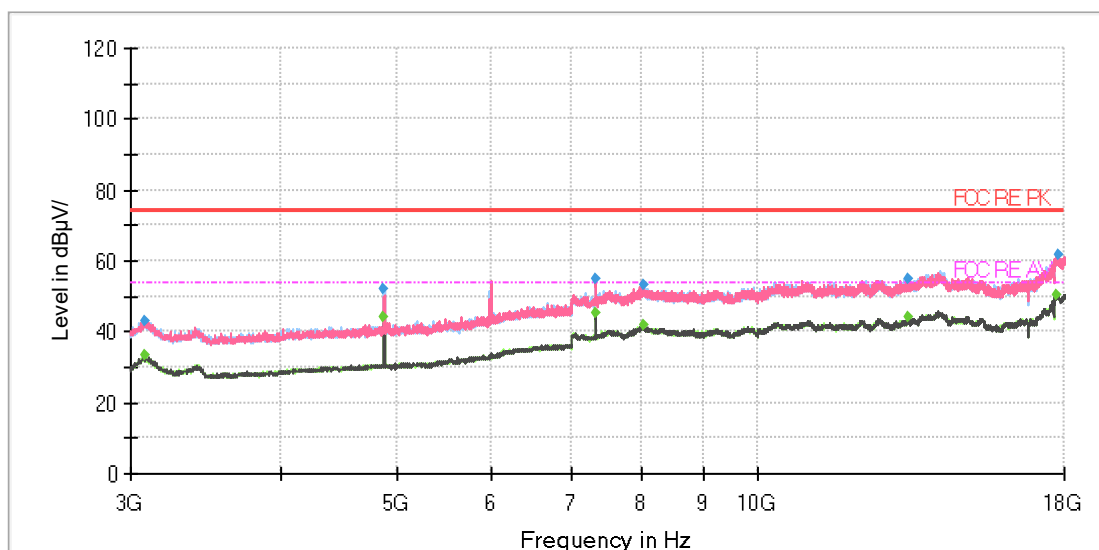
Zigbee-Channel 18



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

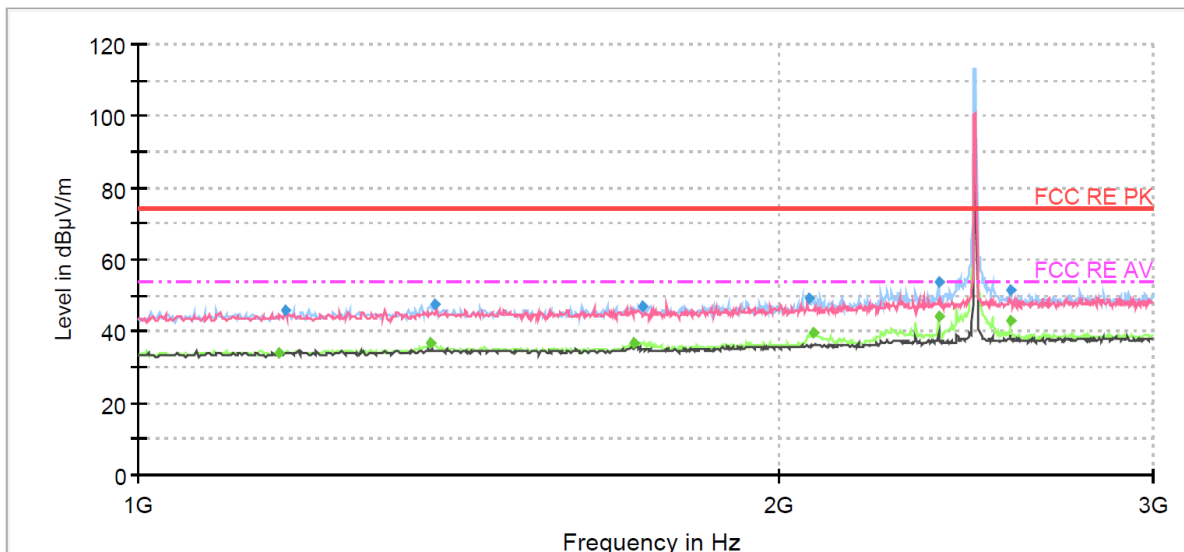
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1019.25	44.97	---	74.00	29.03	500.00	200.0	H	158.00	-5
1041.50	---	33.16	54.00	20.84	500.00	200.0	H	109.00	-5
1372.75	44.88	---	74.00	29.12	500.00	200.0	V	7.00	-4
1381.75	---	33.82	54.00	20.18	500.00	200.0	H	109.00	-4
1496.75	45.01	---	74.00	28.99	500.00	100.0	H	104.00	-4
1731.00	---	33.44	54.00	20.56	500.00	200.0	H	126.00	-4
2021.50	46.84	---	74.00	27.16	500.00	100.0	H	168.00	-3
2066.50	---	36.08	54.00	17.92	500.00	100.0	H	119.00	-3
2343.50	58.33	---	74.00	15.67	500.00	100.0	H	4.00	-1
2344.00	---	51.18	54.00	2.82	500.00	100.0	H	4.00	-1
2536.25	---	48.67	54.00	5.33	500.00	100.0	H	0.00	-1
2536.75	55.59	---	74.00	18.41	500.00	200.0	H	0.00	-1



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3084.38	---	33.61	54.00	20.39	500.00	100.0	H	9.00	-10
3086.25	43.30	---	74.00	30.70	500.00	100.0	H	23.00	-10
4878.75	52.05	---	74.00	21.95	500.00	100.0	H	323.00	-6
4878.75	---	44.34	54.00	9.66	500.00	100.0	H	323.00	-6
7318.13	54.68	---	74.00	19.32	500.00	200.0	V	101.00	1
7318.13	---	45.45	54.00	8.55	500.00	200.0	V	101.00	1
8019.38	---	41.71	54.00	12.29	500.00	100.0	V	15.00	2
8041.88	53.05	---	74.00	20.95	500.00	100.0	H	23.00	2
13335.00	54.87	---	74.00	19.13	500.00	100.0	H	0.00	7
13348.13	---	43.99	54.00	10.01	500.00	100.0	H	0.00	7
17750.63	---	50.62	54.00	3.38	500.00	200.0	V	284.00	13
17780.63	61.75	---	74.00	12.25	500.00	200.0	H	170.00	13

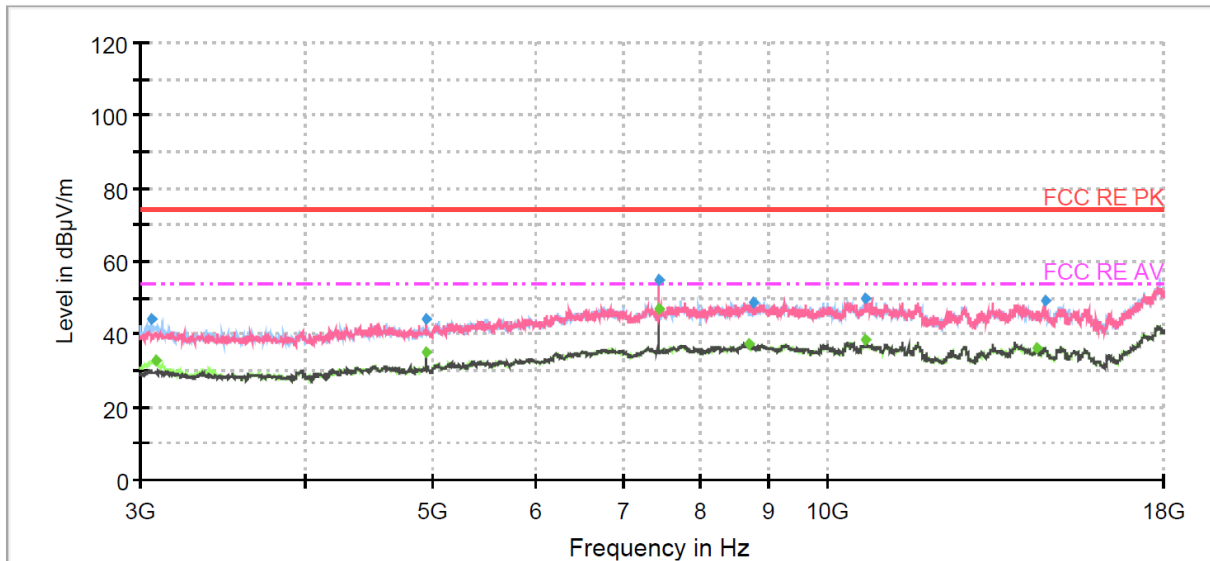
Zigbee-Channel 25



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

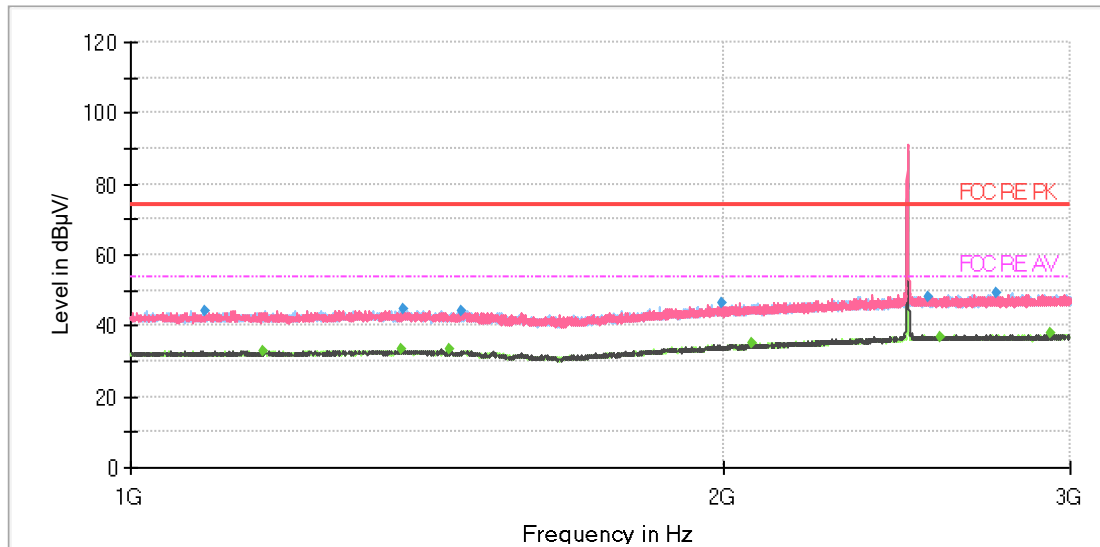
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1163.63	---	33.99	54.00	20.01	500.00	200.0	H	2.00	-6
1172.13	45.93	---	74.00	28.07	500.00	200.0	V	305.00	-5
1371.88	---	36.65	54.00	17.35	500.00	100.0	H	135.00	-4
1378.25	47.35	---	74.00	26.65	500.00	100.0	H	135.00	-4
1709.75	---	36.81	54.00	17.19	500.00	100.0	H	289.00	-3
1724.63	47.04	---	74.00	26.96	500.00	200.0	H	47.00	-3
2066.75	49.39	---	74.00	24.61	500.00	200.0	H	148.00	-2
2077.38	---	39.56	54.00	14.44	500.00	200.0	H	131.00	-2
2377.00	---	44.22	54.00	9.78	500.00	100.0	H	66.00	0
2377.00	53.80	---	74.00	20.20	500.00	100.0	H	66.00	0
2570.38	51.68	---	74.00	22.32	500.00	100.0	H	261.00	1
2570.38	---	42.87	54.00	11.13	500.00	100.0	H	261.00	1



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3058.13	44.03	---	74.00	29.97	500.00	100.0	H	153.00	-8
3080.63	---	32.73	54.00	21.27	500.00	100.0	H	90.00	-8
4948.13	44.33	---	74.00	29.67	500.00	100.0	H	42.00	-3
4950.00	---	34.98	54.00	19.02	500.00	200.0	H	35.00	-3
7423.13	---	46.80	54.00	7.20	500.00	200.0	V	310.00	2
7426.88	54.69	---	74.00	19.31	500.00	200.0	V	310.00	2
8700.00	---	37.30	54.00	16.70	500.00	200.0	H	358.00	5
8763.75	48.42	---	74.00	25.58	500.00	100.0	V	347.00	4
10672.50	---	38.48	54.00	15.52	500.00	100.0	H	90.00	6
10676.25	49.63	---	74.00	24.37	500.00	200.0	V	12.00	6
14400.00	---	36.24	54.00	17.76	500.00	200.0	H	351.00	9
14619.38	49.32	---	74.00	24.68	500.00	100.0	V	0.00	8

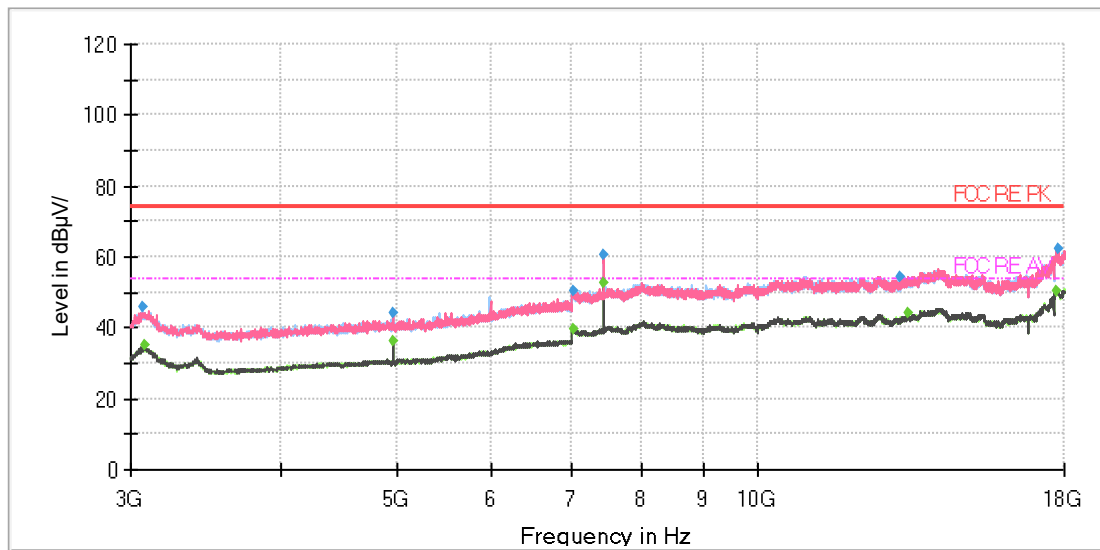
Zigbee-Channel 26



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1090.75	44.32	---	74.00	29.68	500.00	100.0	V	344.00	-5
1167.75	---	32.80	54.00	21.20	500.00	200.0	V	0.00	-5
1373.50	---	33.19	54.00	20.81	500.00	100.0	V	0.00	-4
1375.25	44.86	---	74.00	29.14	500.00	200.0	V	0.00	-4
1450.00	---	33.17	54.00	20.83	500.00	100.0	V	199.00	-4
1471.75	44.34	---	74.00	29.66	500.00	100.0	V	0.00	-4
1996.25	46.51	---	74.00	27.49	500.00	200.0	V	207.00	-3
2066.00	---	34.85	54.00	19.15	500.00	100.0	V	37.00	-3
2542.75	48.27	---	74.00	25.73	500.00	200.0	H	0.00	-1
2575.25	---	36.88	54.00	17.12	500.00	200.0	V	6.00	-1
2750.25	49.44	---	74.00	24.56	500.00	200.0	V	159.00	0
2930.00	---	37.67	54.00	16.33	500.00	100.0	V	0.00	0



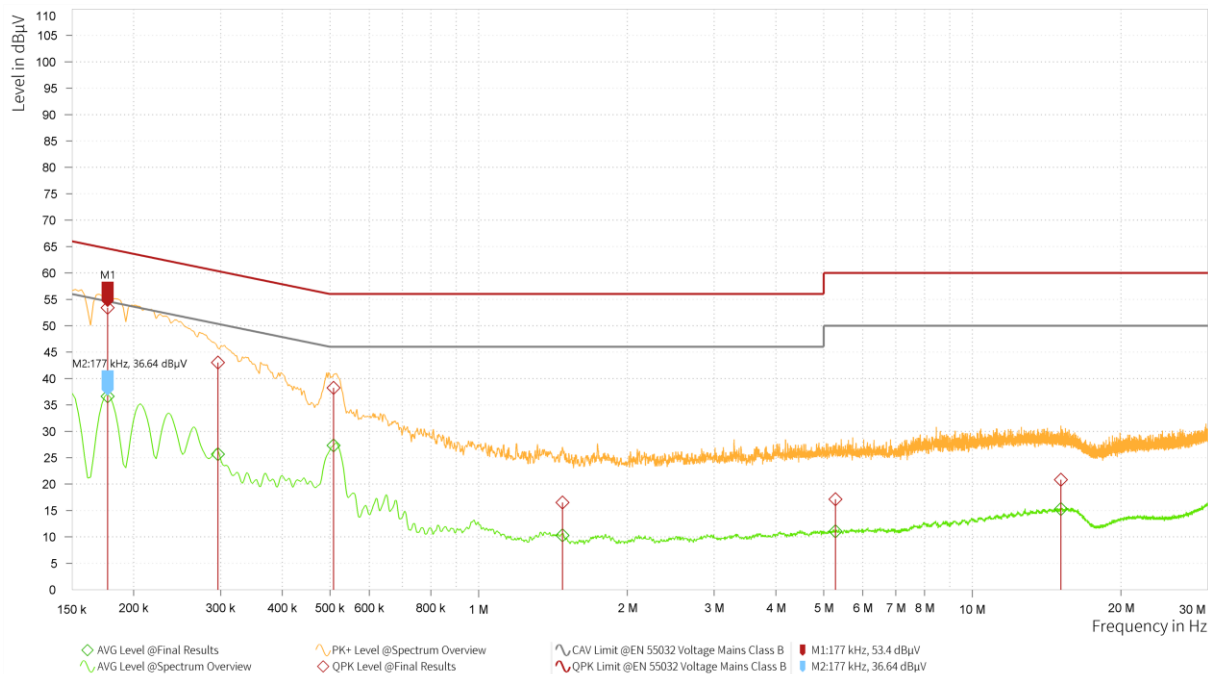
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3069.38	45.69	---	74.00	28.31	500.00	100.0	H	14.00	-10
3080.63	---	35.00	54.00	19.00	500.00	200.0	H	14.00	-10
4959.38	---	36.27	54.00	17.73	500.00	100.0	H	320.00	-6
4961.25	44.23	---	74.00	29.77	500.00	100.0	V	335.00	-6
7005.00	50.58	---	74.00	23.42	500.00	100.0	V	208.00	0
7005.00	---	39.43	54.00	14.57	500.00	100.0	H	2.00	0
7441.88	---	52.41	54.00	1.59	500.00	100.0	H	0.00	1
7441.88	60.65	---	74.00	13.35	500.00	100.0	H	0.00	1
13153.13	54.62	---	74.00	19.38	500.00	100.0	V	287.00	7
13348.13	---	43.88	54.00	10.12	500.00	100.0	H	32.00	7
17754.38	---	50.33	54.00	3.67	500.00	100.0	H	32.00	13
17763.75	62.28	---	74.00	11.72	500.00	100.0	V	235.00	13

2. Conducted Emission

2.1. Wi-Fi 2.4GHz

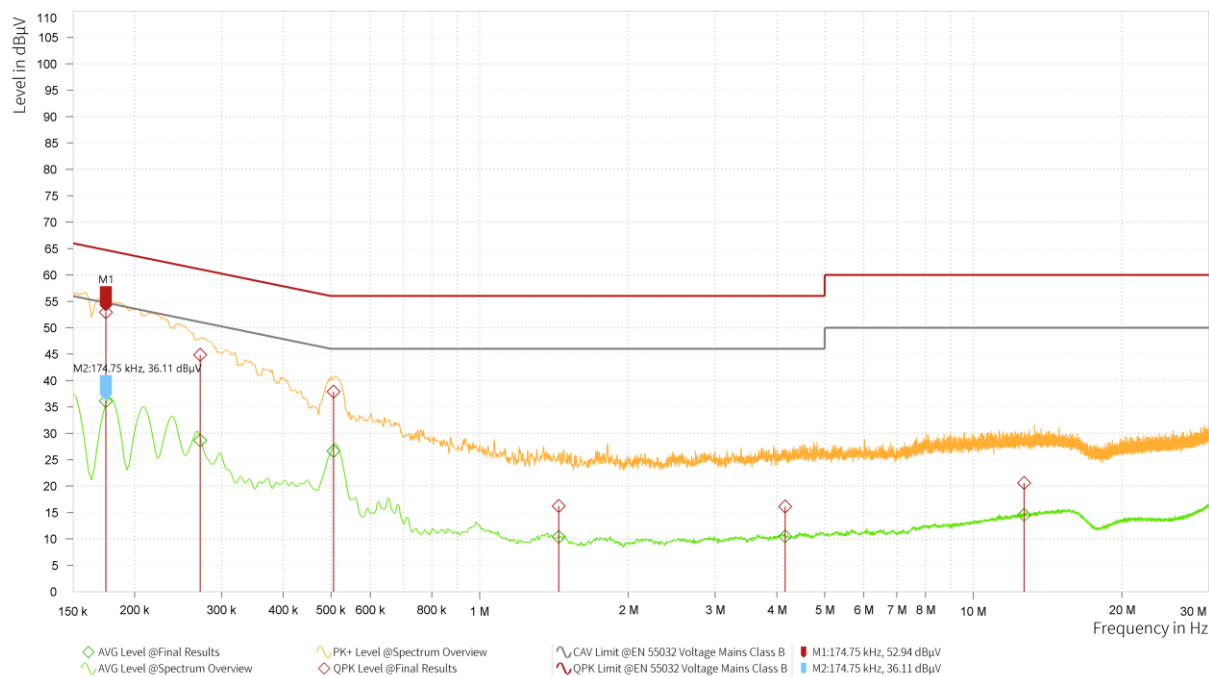
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.177	53.40	64.63	11.23	36.64	54.63	17.99	21.03	L1	9.000	1.000
0.296	43.04	60.35	17.31	25.68	50.35	24.67	20.94	L1	9.000	1.000
0.508	38.24	56.00	17.76	27.33	46.00	18.67	20.77	L1	9.000	1.000
1.478	16.49	56.00	39.51	10.29	46.00	35.71	19.85	L1	9.000	1.000
5.285	17.12	60.00	42.88	11.04	50.00	38.96	19.40	L1	9.000	1.000
15.115	20.84	60.00	39.16	15.26	50.00	34.74	19.51	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



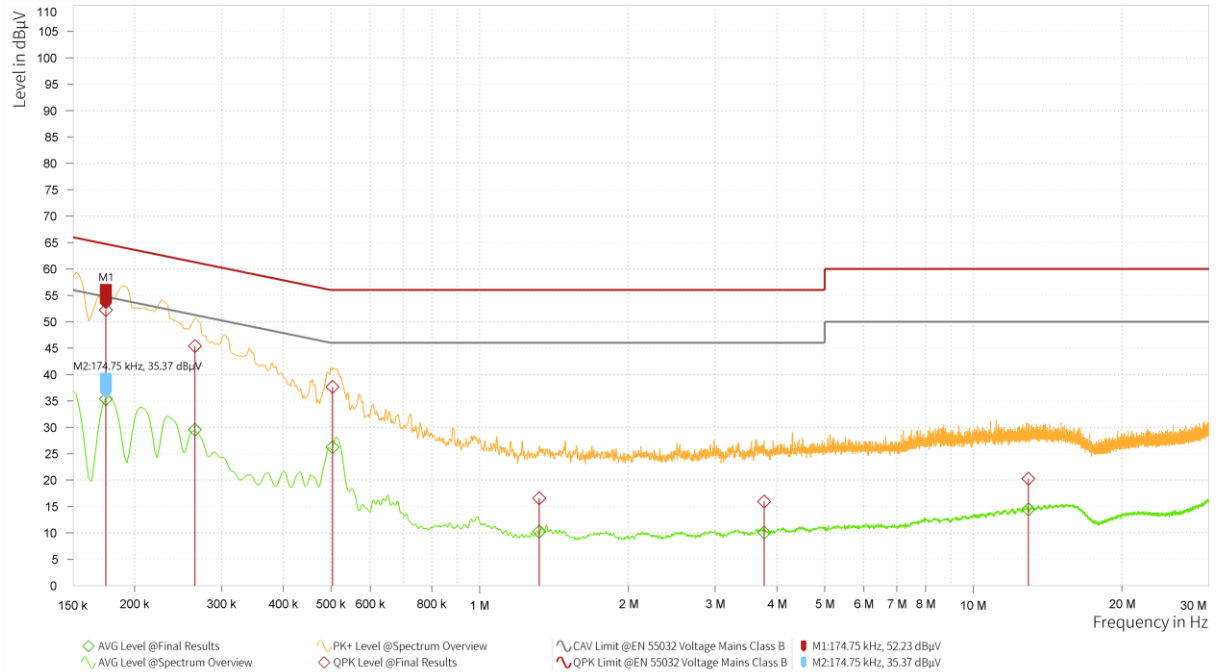
Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.175	52.94	64.73	11.79	36.11	54.73	18.62	21.04	N	9.000	1.000
0.272	44.86	61.07	16.21	28.63	51.07	22.44	20.97	N	9.000	1.000
0.506	37.92	56.00	18.08	26.67	46.00	19.33	20.78	N	9.000	1.000
1.446	16.20	56.00	39.80	10.41	46.00	35.59	19.88	N	9.000	1.000
4.157	16.15	56.00	39.85	10.46	46.00	35.54	19.43	N	9.000	1.000
12.683	20.58	60.00	39.42	14.58	50.00	35.42	19.47	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

2.2. Zigbee

During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.175	52.23	64.73	12.50	35.37	54.73	19.36	21.03	L1	9.000	1.000
0.265	45.37	61.28	15.91	29.54	51.28	21.74	20.97	L1	9.000	1.000
0.503	37.64	56.00	18.36	26.25	46.00	19.75	20.77	L1	9.000	1.000
1.320	16.54	56.00	39.46	10.25	46.00	35.75	19.94	L1	9.000	1.000
3.770	15.95	56.00	40.05	10.06	46.00	35.94	19.44	L1	9.000	1.000
12.935	20.26	60.00	39.74	14.46	50.00	35.54	19.45	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.173	52.48	64.84	12.36	34.29	54.84	20.55	20.90	N	9.000	1.000
0.247	47.37	61.87	14.49	29.33	51.87	22.53	20.99	N	9.000	1.000
0.506	37.94	56.00	18.06	26.78	46.00	19.22	20.78	N	9.000	1.000
1.518	15.19	56.00	40.81	9.49	46.00	36.51	19.84	N	9.000	1.000
4.583	16.27	56.00	39.73	10.51	46.00	35.49	19.42	N	9.000	1.000
13.965	20.94	60.00	39.06	15.17	50.00	34.83	19.50	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz