

ANNEX A: Test Result

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

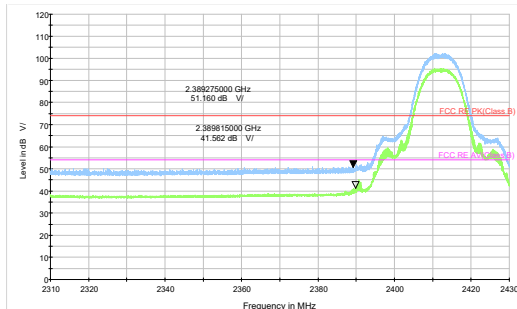
1. Unwanted Emission

1.1. Wi-Fi 2.4GHz

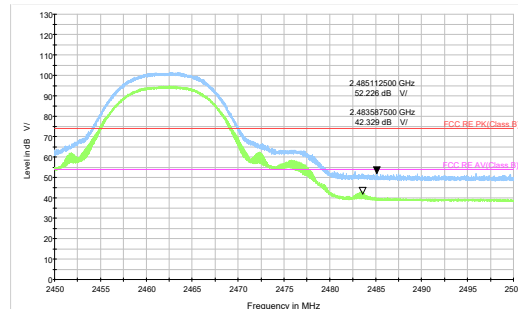
The following graphs display the maximum values of horizontal and vertical by software. Blue trace uses the peak detection, Green trace uses the average detection.

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

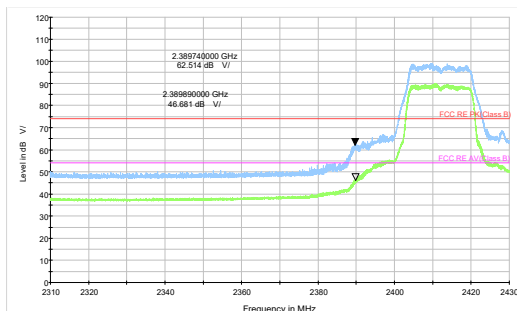
The signal beyond the limit is carrier.



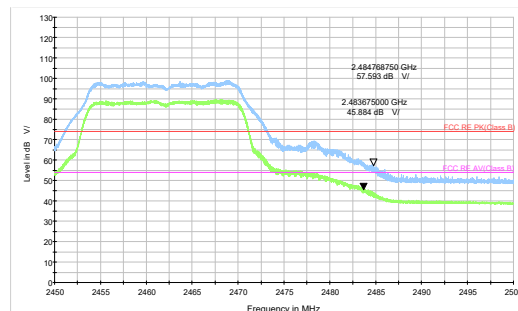
802.11b-Channel 1 Peak+ Average



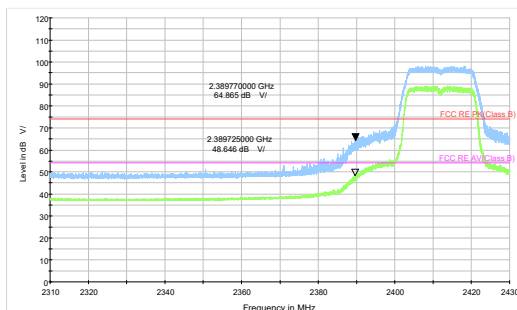
802.11b-Channel 11 Peak+ Average



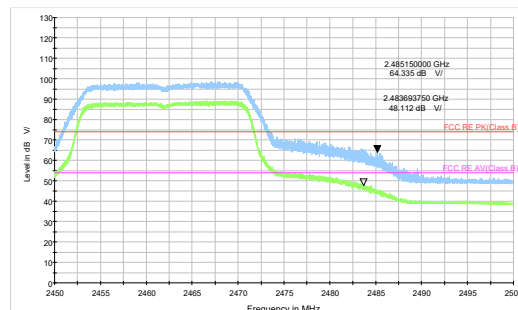
802.11g-Channel 1 Peak+ Average



802.11g-Channel 11 Peak+ Average



802.11n HT20-Channel 1 Peak+ Average



802.11n HT20-Channel 11 Peak+ Average

Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier. The Radiates Emission from 9kHz to 30MHz and 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 ($\text{dB } \mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)**
4. **The following graphs display the maximum values of coaxial and coplanar for 9k-30MHz; horizontal and vertical for above 30MHz by software.**
5. **For below 1GHz**

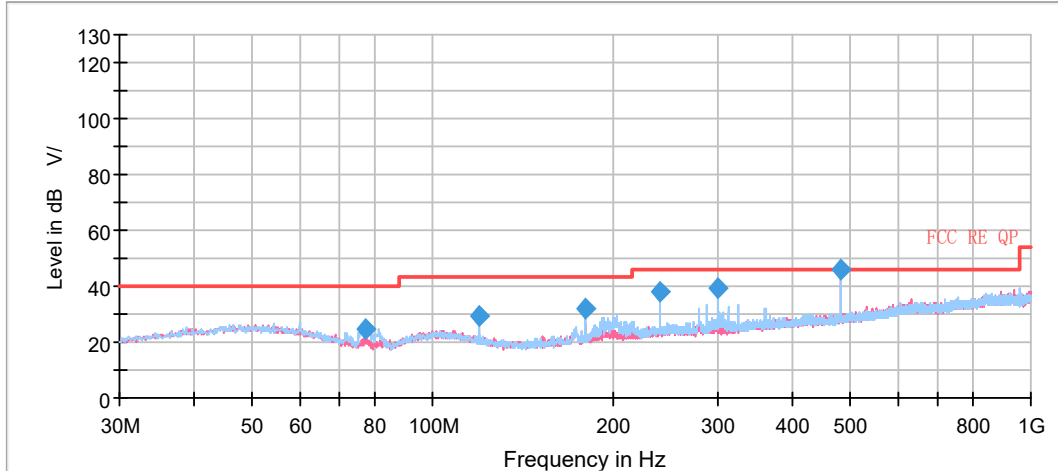
 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

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 30MHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition (802.11b CH11) was recorded in this report.

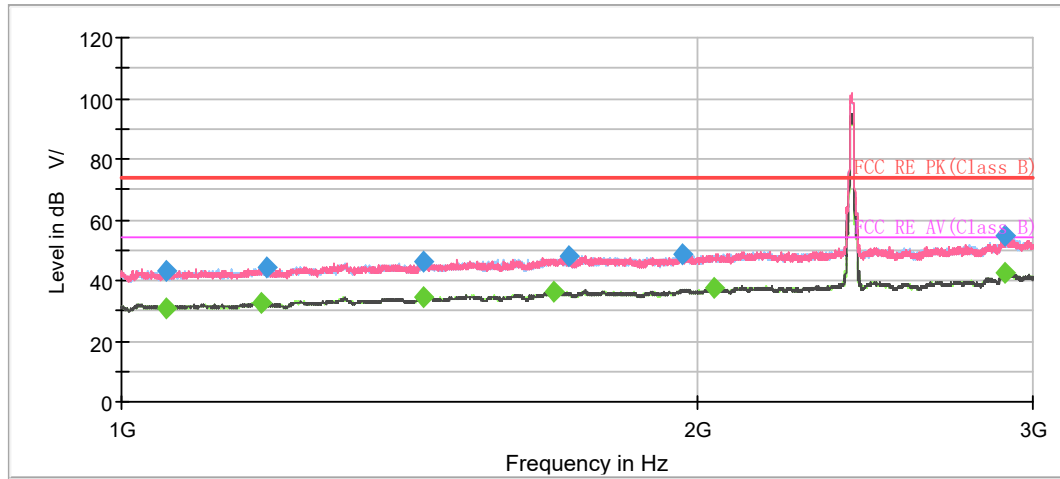


Radiates Emission from 30MHz to 1GHz

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
77.408750	24.92	40.00	15.08	1000.0	225.0	H	335.0	15.4
120.007500	29.43	43.50	14.07	1000.0	125.0	H	90.0	17.2
179.986250	32.27	43.50	11.23	1000.0	200.0	H	79.0	17.2
240.005000	38.00	46.00	8.00	1000.0	117.0	H	117.0	20.1
299.983750	39.50	46.00	6.50	1000.0	101.0	H	14.0	21.1
480.000000	45.83	46.00	0.17	1000.0	193.0	H	142.0	24.8

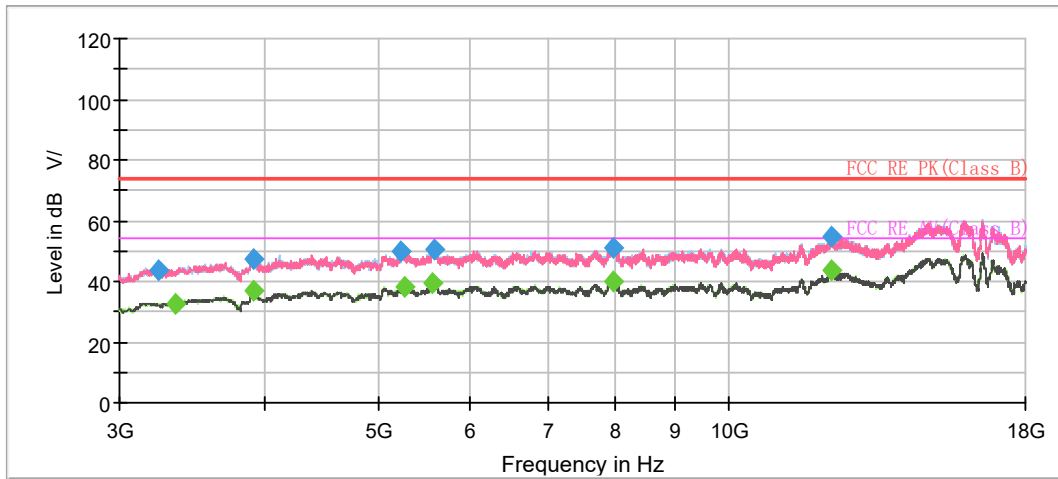
802.11b CH1



Note: The signal beyond the limit is carrier.

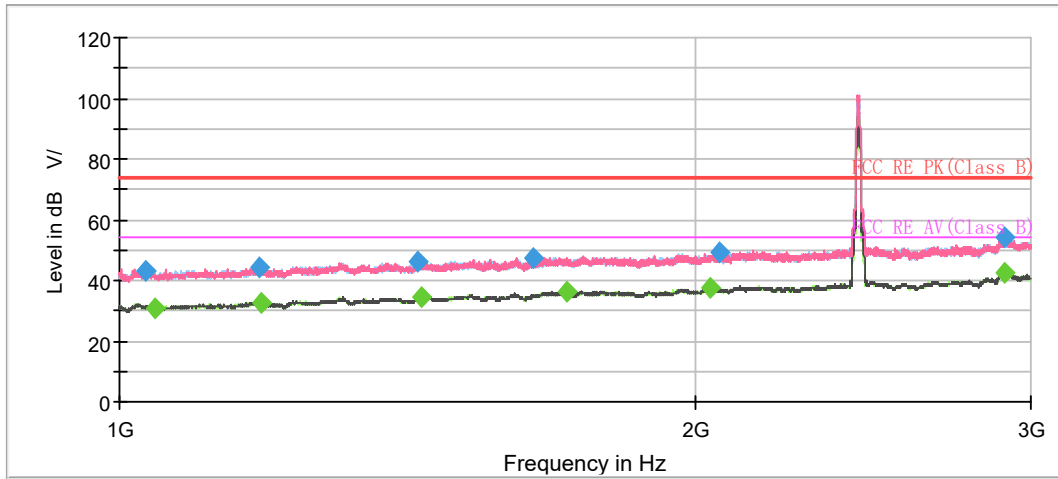
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1055.000000	---	31.02	54.00	22.98	500.0	100.0	H	90.0	-6.1
1055.000000	43.24	---	74.00	30.76	500.0	100.0	V	179.0	-6.1
1182.750000	---	32.87	54.00	21.13	500.0	200.0	V	139.0	-3.9
1192.500000	44.32	---	74.00	29.68	500.0	100.0	H	346.0	-4.3
1440.500000	---	34.30	54.00	19.70	500.0	200.0	H	122.0	-1.7
1440.500000	45.92	---	74.00	28.08	500.0	100.0	V	131.0	-1.7
1682.750000	---	36.31	54.00	17.69	500.0	100.0	H	295.0	0.4
1716.000000	47.90	---	74.00	26.10	500.0	200.0	H	359.0	0.2
1968.000000	48.57	---	74.00	25.43	500.0	100.0	V	201.0	2.3
2041.500000	---	37.52	54.00	16.48	500.0	200.0	H	49.0	2.5
2899.500000	54.76	---	74.00	19.24	500.0	100.0	V	131.0	8.6
2902.000000	---	42.49	54.00	11.51	500.0	200.0	V	117.0	8.6



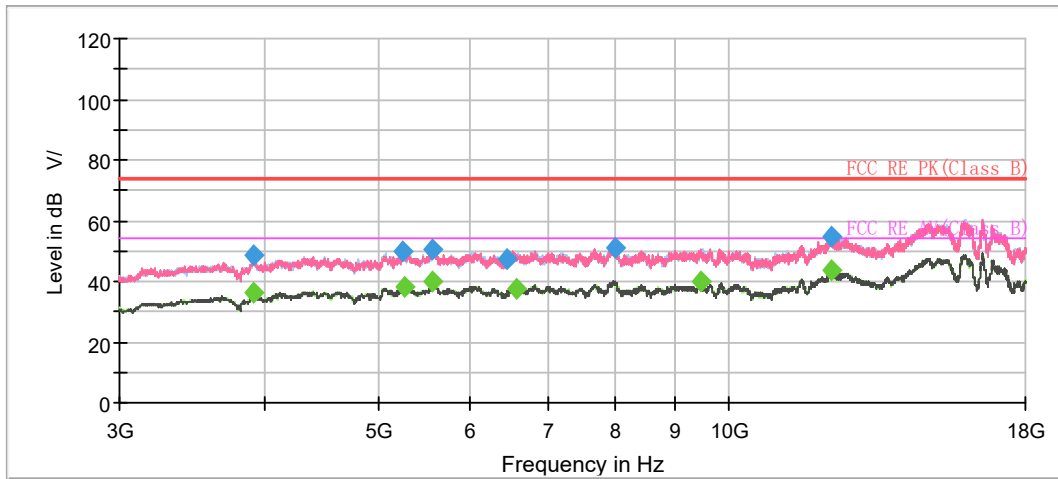
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3243.750000	43.91	---	74.00	30.09	500.0	100.0	H	312.0	-1.3
3356.250000	---	32.53	54.00	21.47	500.0	100.0	H	257.0	-0.2
3909.375000	---	36.87	54.00	17.13	500.0	200.0	H	299.0	3.7
3915.000000	47.22	---	74.00	26.78	500.0	200.0	V	208.0	3.3
5238.750000	49.98	---	74.00	24.02	500.0	200.0	H	45.0	5.7
5274.375000	---	38.40	54.00	15.60	500.0	200.0	V	188.0	6.5
5581.875000	---	39.69	54.00	14.31	500.0	200.0	H	128.0	7.6
5583.750000	50.38	---	74.00	23.62	500.0	100.0	H	157.0	7.7
7972.500000	51.06	---	74.00	22.94	500.0	100.0	H	193.0	9.9
7978.125000	---	39.96	54.00	14.04	500.0	200.0	V	106.0	9.9
12277.500000	---	43.55	54.00	10.45	500.0	200.0	V	9.0	14.6
12288.750000	54.77	---	74.00	19.23	500.0	200.0	V	244.0	14.4



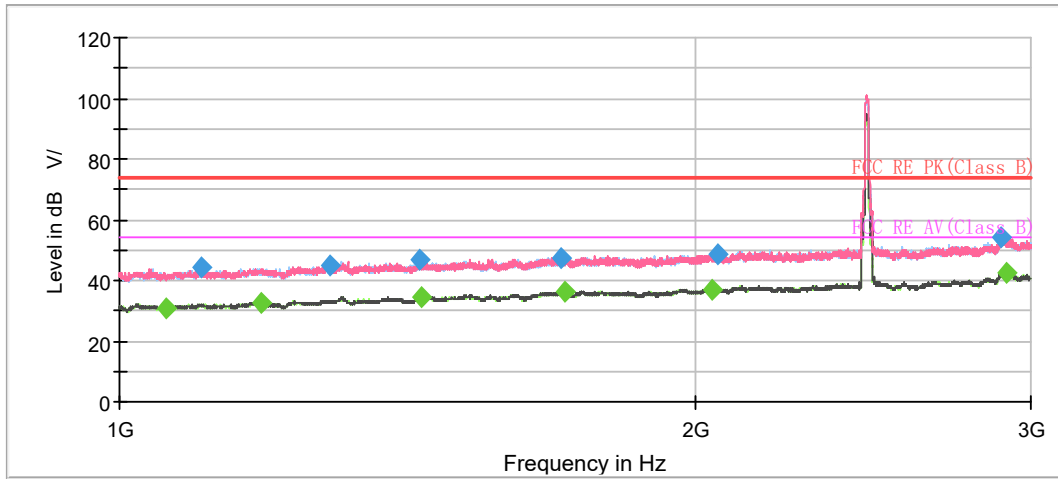
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1032.250000	43.09	---	74.00	30.91	500.0	100.0	H	89.0	-5.9
1044.250000	---	30.98	54.00	23.02	500.0	100.0	H	304.0	-5.8
1184.500000	44.39	---	74.00	29.61	500.0	200.0	H	40.0	-3.9
1185.500000	---	32.77	54.00	21.23	500.0	200.0	H	78.0	-3.9
1433.250000	45.86	---	74.00	28.14	500.0	200.0	V	0.0	-1.9
1437.500000	---	34.43	54.00	19.57	500.0	100.0	H	296.0	-1.8
1647.750000	47.39	---	74.00	26.61	500.0	100.0	H	347.0	-0.3
1712.750000	---	36.23	54.00	17.77	500.0	100.0	H	167.0	0.4
2040.000000	---	37.31	54.00	16.69	500.0	100.0	V	46.0	2.4
2062.500000	49.08	---	74.00	24.92	500.0	100.0	V	217.0	2.2
2905.250000	---	42.26	54.00	11.74	500.0	100.0	H	278.0	8.5
2907.750000	53.87	---	74.00	20.13	500.0	200.0	H	118.0	8.5



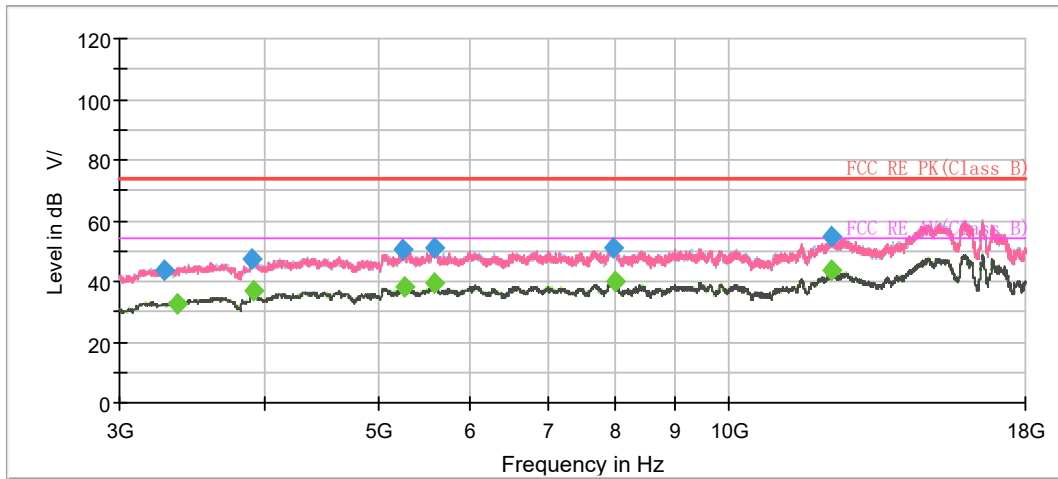
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3905.625000	48.46	---	74.00	25.54	500.0	100.0	H	81.0	3.5
3913.125000	---	36.45	54.00	17.55	500.0	200.0	V	300.0	3.4
5244.375000	49.79	---	74.00	24.21	500.0	200.0	V	32.0	5.8
5274.375000	---	38.31	54.00	15.69	500.0	200.0	H	93.0	6.5
5574.375000	---	40.01	54.00	13.99	500.0	100.0	H	0.0	7.2
5574.375000	50.73	---	74.00	23.27	500.0	100.0	H	0.0	7.2
6453.750000	47.32	---	74.00	26.68	500.0	100.0	V	77.0	4.4
6575.625000	---	37.54	54.00	16.46	500.0	200.0	H	309.0	6.6
7993.125000	50.77	---	74.00	23.23	500.0	200.0	V	99.0	9.9
9466.875000	---	39.94	54.00	14.06	500.0	200.0	V	0.0	9.4
12270.000000	---	43.64	54.00	10.36	500.0	100.0	V	217.0	14.5
12283.125000	54.86	---	74.00	19.14	500.0	200.0	H	231.0	14.5



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

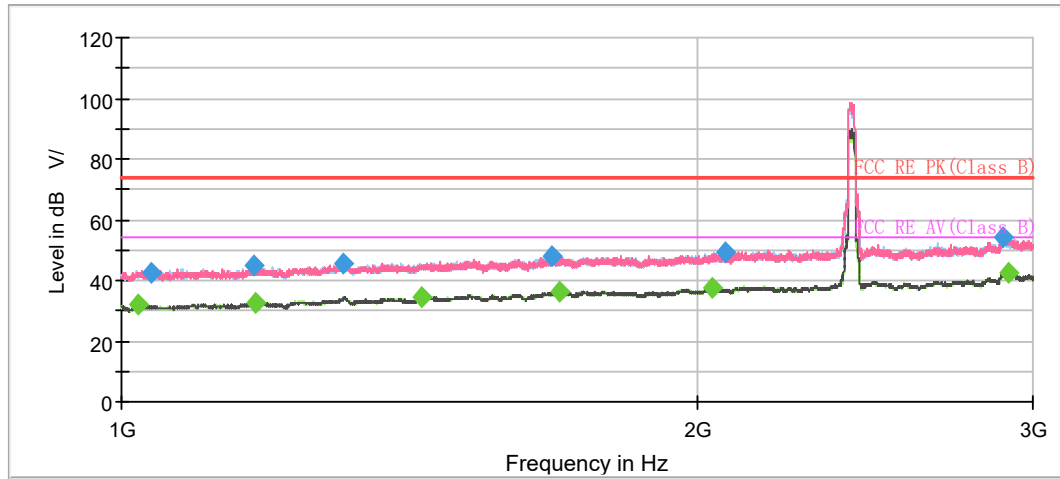
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1057.000000	---	31.05	54.00	22.95	500.0	200.0	H	145.0	-6.0
1103.750000	44.03	---	74.00	29.97	500.0	200.0	V	190.0	-5.0
1186.500000	---	32.64	54.00	21.36	500.0	200.0	V	252.0	-4.0
1287.750000	45.21	---	74.00	28.79	500.0	200.0	V	257.0	-3.1
1436.000000	46.49	---	74.00	27.51	500.0	100.0	H	65.0	-1.8
1439.750000	---	34.35	54.00	19.65	500.0	100.0	V	222.0	-1.7
1704.000000	47.55	---	74.00	26.45	500.0	200.0	V	359.0	0.4
1711.500000	---	36.19	54.00	17.81	500.0	100.0	V	217.0	0.5
2044.750000	---	37.22	54.00	16.78	500.0	100.0	V	90.0	2.5
2056.000000	48.88	---	74.00	25.12	500.0	100.0	V	95.0	2.4
2891.750000	54.08	---	74.00	19.92	500.0	200.0	H	5.0	8.0
2913.000000	---	42.42	54.00	11.58	500.0	100.0	V	0.0	8.4



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3271.875000	43.69	---	74.00	30.31	500.0	200.0	H	0.0	-1.1
3363.750000	---	32.58	54.00	21.42	500.0	200.0	H	334.0	0.1
3901.875000	47.69	---	74.00	26.31	500.0	100.0	V	89.0	3.1
3909.375000	---	36.66	54.00	17.34	500.0	100.0	H	188.0	3.7
5250.000000	50.16	---	74.00	23.84	500.0	200.0	H	33.0	6.0
5274.375000	---	38.36	54.00	15.64	500.0	100.0	V	280.0	6.5
5583.750000	51.00	---	74.00	23.00	500.0	200.0	H	286.0	7.7
5595.000000	---	39.69	54.00	14.31	500.0	100.0	H	0.0	8.0
7970.625000	51.34	---	74.00	22.66	500.0	200.0	H	14.0	9.9
7993.125000	---	39.85	54.00	14.15	500.0	100.0	V	220.0	9.9
12255.000000	54.75	---	74.00	19.25	500.0	200.0	H	61.0	14.2
12283.125000	---	43.69	54.00	10.31	500.0	100.0	H	131.0	14.5

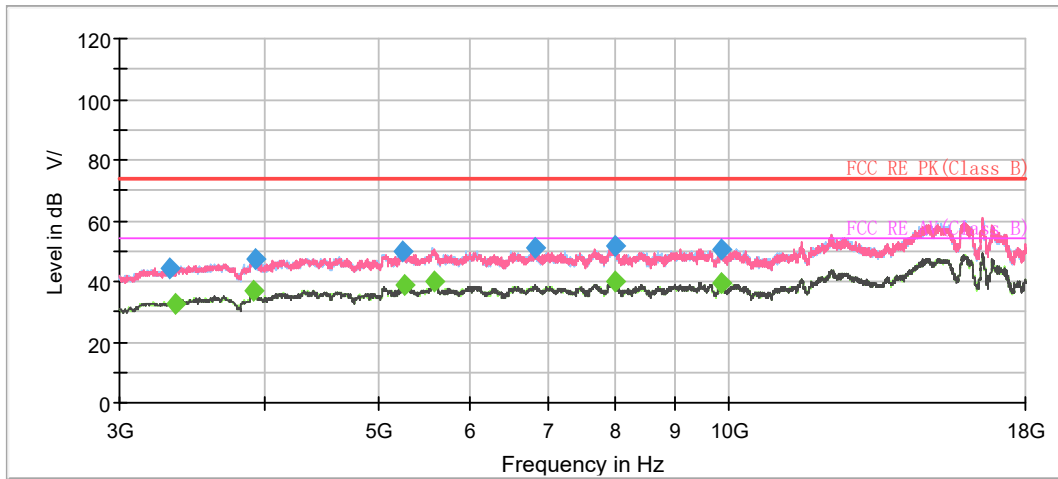
802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

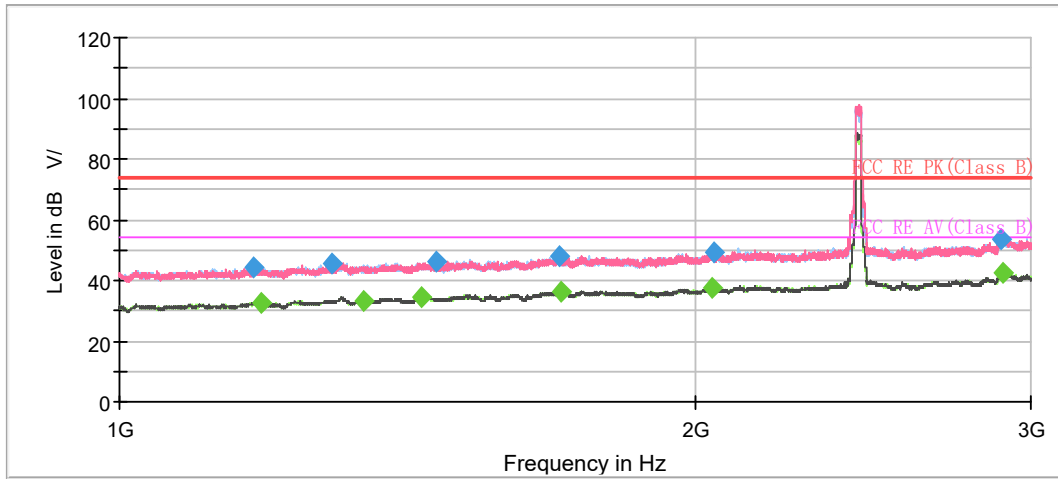
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1021.500000	---	31.78	54.00	22.22	500.0	200.0	H	319.0	-5.4
1036.250000	42.44	---	74.00	31.57	500.0	200.0	H	0.0	-5.7
1172.750000	44.87	---	74.00	29.13	500.0	200.0	H	337.0	-4.3
1174.750000	---	32.62	54.00	21.38	500.0	100.0	V	50.0	-4.2
1307.250000	45.68	---	74.00	28.32	500.0	100.0	H	179.0	-2.1
1434.750000	---	34.45	54.00	19.55	500.0	100.0	H	14.0	-1.8
1682.000000	47.78	---	74.00	26.22	500.0	100.0	V	335.0	0.4
1697.250000	---	36.03	54.00	17.97	500.0	200.0	V	130.0	0.4
2040.250000	---	37.40	54.00	16.60	500.0	200.0	H	289.0	2.4
2070.000000	49.39	---	74.00	24.61	500.0	100.0	H	31.0	2.1
2894.750000	53.98	---	74.00	20.02	500.0	200.0	V	274.0	8.2
2914.250000	---	42.52	54.00	11.48	500.0	200.0	V	56.0	8.3



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3311.250000	44.09	---	74.00	29.91	500.0	200.0	H	29.0	-0.9
3354.375000	---	32.34	54.00	21.66	500.0	100.0	H	224.0	-0.3
3907.500000	---	36.75	54.00	17.25	500.0	100.0	V	74.0	3.6
3920.625000	47.10	---	74.00	26.90	500.0	100.0	V	310.0	2.9
5250.000000	50.14	---	74.00	23.86	500.0	100.0	V	203.0	6.0
5272.500000	---	38.47	54.00	15.53	500.0	100.0	V	36.0	6.5
5583.750000	---	39.72	54.00	14.28	500.0	200.0	V	0.0	7.7
6828.750000	51.15	---	74.00	22.85	500.0	200.0	V	0.0	6.9
7993.125000	51.40	---	74.00	22.60	500.0	100.0	H	38.0	9.9
7993.125000	---	40.08	54.00	13.92	500.0	200.0	V	161.0	9.9
9855.000000	50.22	---	74.00	23.78	500.0	200.0	H	174.0	9.5
9862.500000	---	39.09	54.00	14.91	500.0	100.0	H	89.0	9.6

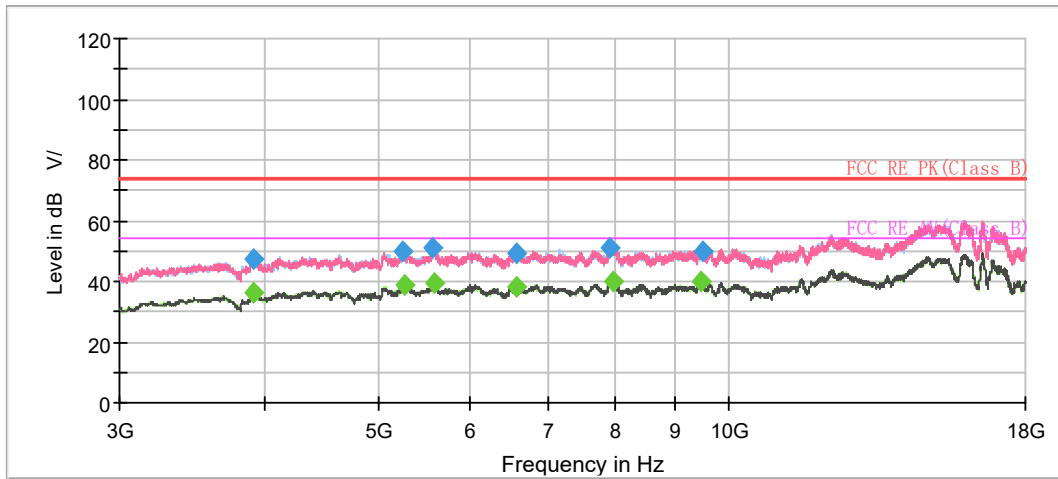
802.11g CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

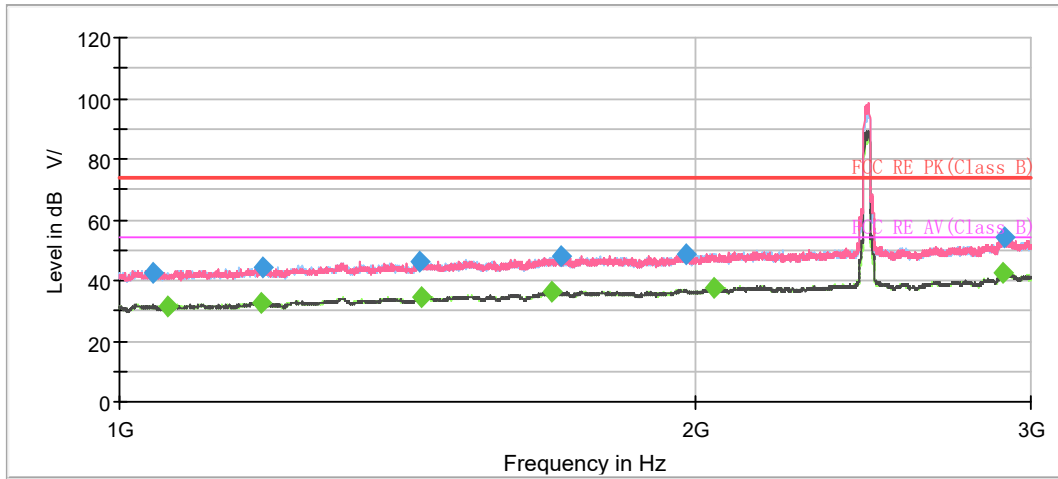
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1174.500000	44.02	---	74.00	29.98	500.0	200.0	V	187.0	-4.2
1187.000000	---	32.47	54.00	21.53	500.0	200.0	H	128.0	-4.0
1292.000000	45.80	---	74.00	28.20	500.0	200.0	V	178.0	-3.2
1340.750000	---	33.40	54.00	20.60	500.0	100.0	H	98.0	-2.7
1440.500000	---	34.48	54.00	19.52	500.0	100.0	H	3.0	-1.7
1466.000000	45.97	---	74.00	28.03	500.0	200.0	H	235.0	-2.1
1698.250000	48.14	---	74.00	25.86	500.0	100.0	V	144.0	0.4
1702.000000	---	36.09	54.00	17.91	500.0	100.0	V	316.0	0.4
2042.250000	---	37.44	54.00	16.56	500.0	100.0	V	213.0	2.5
2048.500000	49.05	---	74.00	24.95	500.0	200.0	H	331.0	2.5
2896.500000	53.43	---	74.00	20.57	500.0	200.0	V	16.0	8.3
2902.250000	---	42.26	54.00	11.74	500.0	200.0	H	218.0	8.6



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3907.500000	47.59	---	74.00	26.41	500.0	100.0	H	158.0	3.6
3915.000000	---	36.60	54.00	17.40	500.0	200.0	V	268.0	3.3
5244.375000	49.57	---	74.00	24.43	500.0	200.0	H	77.0	5.8
5276.250000	---	38.77	54.00	15.23	500.0	100.0	H	15.0	6.4
5578.125000	51.34	---	74.00	22.66	500.0	100.0	H	105.0	7.4
5583.750000	---	39.63	54.00	14.37	500.0	100.0	V	53.0	7.7
6585.000000	49.36	---	74.00	24.64	500.0	200.0	H	67.0	6.5
6590.625000	---	37.87	54.00	16.13	500.0	200.0	H	348.0	6.4
7923.750000	51.32	---	74.00	22.68	500.0	100.0	H	53.0	9.9
7963.125000	---	39.97	54.00	14.03	500.0	100.0	V	330.0	9.9
9470.625000	---	40.01	54.00	13.99	500.0	100.0	H	27.0	9.4
9526.875000	50.01	---	74.00	23.99	500.0	100.0	H	88.0	8.6

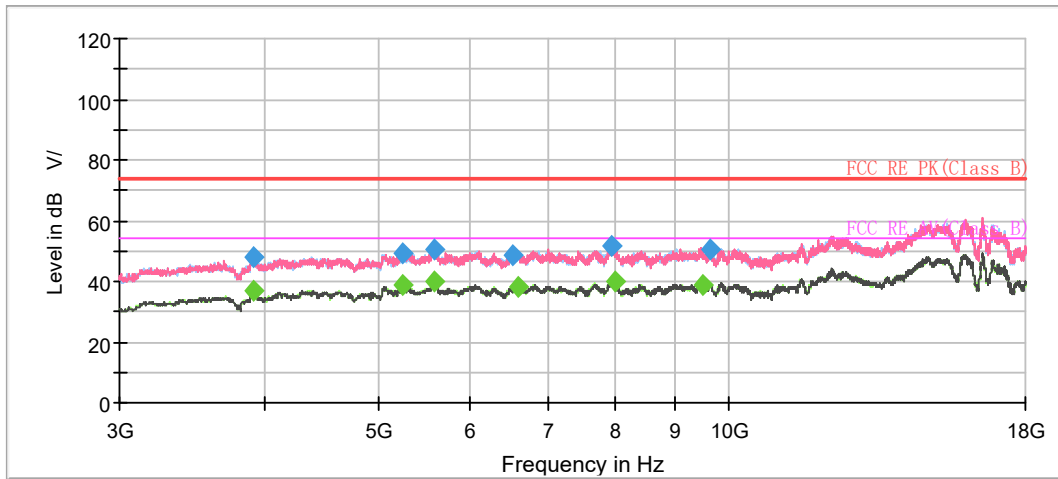
802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

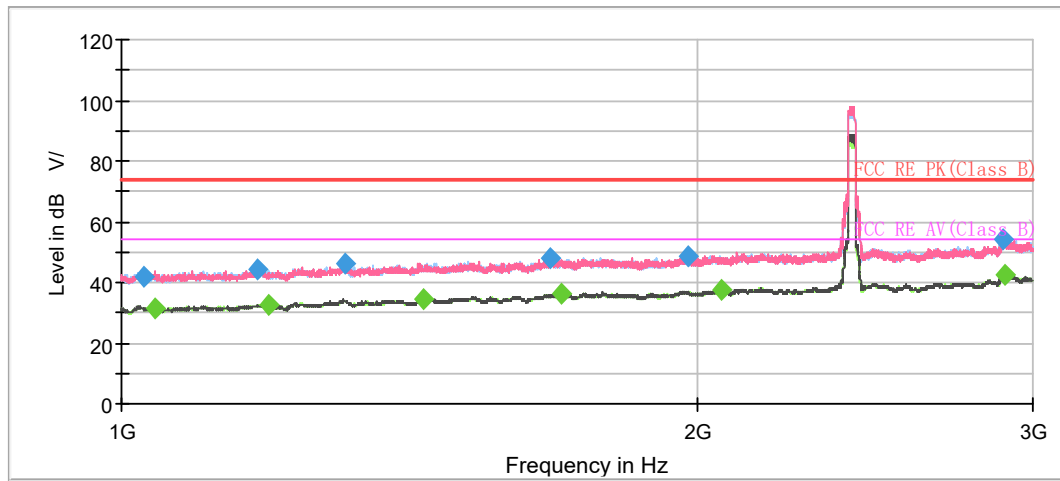
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1040.750000	42.32	---	74.00	31.68	500.0	100.0	V	69.0	-5.5
1059.000000	---	31.26	54.00	22.74	500.0	200.0	H	194.0	-6.0
1187.250000	---	32.53	54.00	21.47	500.0	200.0	V	53.0	-4.0
1189.000000	44.54	---	74.00	29.46	500.0	200.0	H	337.0	-4.1
1434.250000	46.15	---	74.00	27.85	500.0	100.0	H	92.0	-1.9
1439.500000	---	34.30	54.00	19.70	500.0	100.0	V	166.0	-1.7
1683.750000	---	36.39	54.00	17.61	500.0	100.0	H	14.0	0.4
1704.250000	48.03	---	74.00	25.97	500.0	100.0	H	44.0	0.4
1979.000000	48.78	---	74.00	25.22	500.0	200.0	V	44.0	1.9
2047.000000	---	37.44	54.00	16.56	500.0	100.0	V	340.0	2.6
2903.000000	---	42.38	54.00	11.62	500.0	200.0	V	182.0	8.5
2904.500000	53.92	---	74.00	20.08	500.0	100.0	V	10.0	8.5



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)
3909.375000	---	36.71	54.00	17.29	500.0	200.0	V	292.0	3.7
3918.750000	48.27	---	74.00	25.73	500.0	200.0	V	348.0	3.1
5248.125000	49.49	---	74.00	24.51	500.0	100.0	V	12.0	5.9
5253.750000	---	38.53	54.00	15.47	500.0	200.0	V	348.0	6.1
5589.375000	50.65	---	74.00	23.35	500.0	200.0	V	329.0	8.0
5598.750000	---	40.13	54.00	13.87	500.0	200.0	V	338.0	7.8
6534.375000	48.63	---	74.00	25.37	500.0	100.0	H	234.0	6.5
6605.625000	---	38.39	54.00	15.61	500.0	100.0	V	40.0	6.1
7940.625000	51.58	---	74.00	22.42	500.0	200.0	V	320.0	9.9
7995.000000	---	40.08	54.00	13.92	500.0	200.0	V	226.0	9.9
9525.000000	---	38.60	54.00	15.40	500.0	100.0	H	0.0	8.7
9637.500000	50.17	---	74.00	23.83	500.0	200.0	H	0.0	8.2

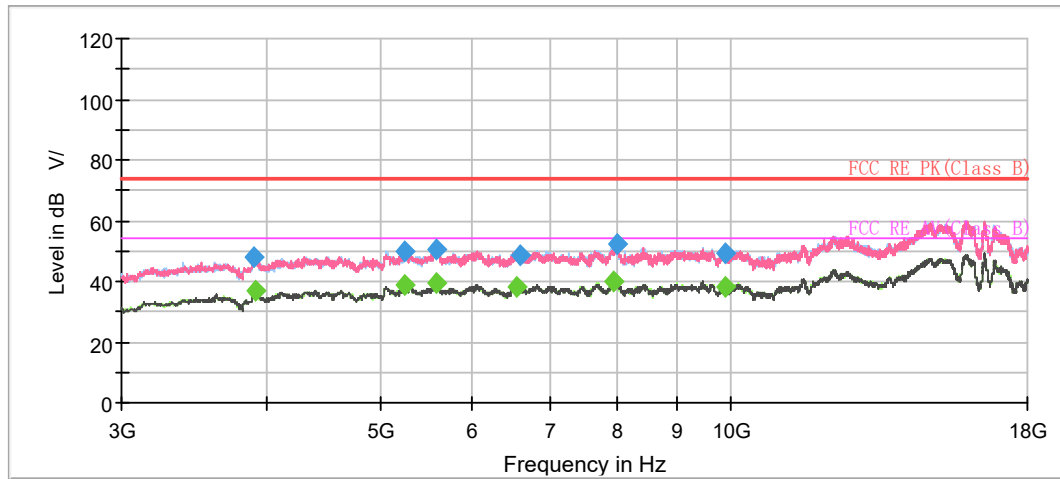
802.11n (HT20) CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

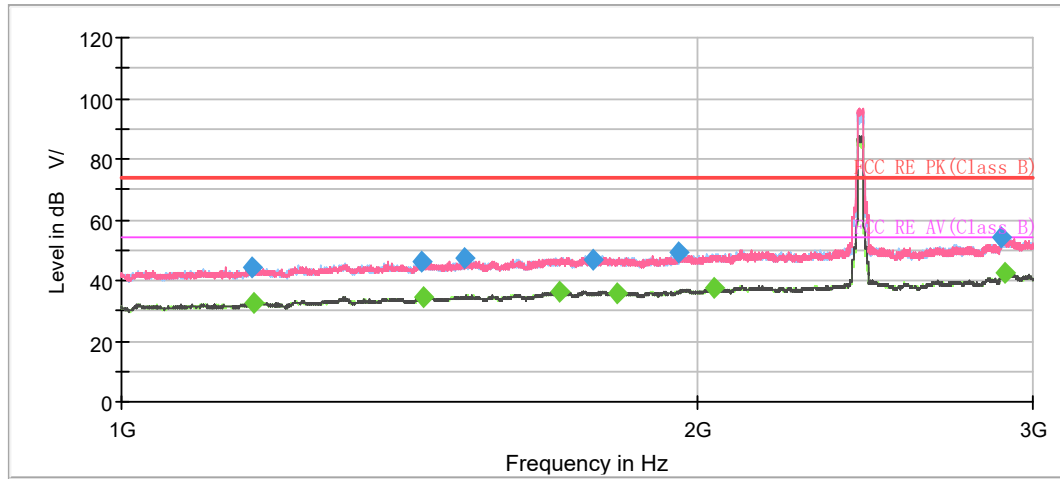
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1028.250000	41.94	---	74.00	32.06	500.0	200.0	H	351.0	-5.9
1040.250000	---	31.15	54.00	22.85	500.0	100.0	H	280.0	-5.5
1177.500000	44.58	---	74.00	29.42	500.0	100.0	V	331.0	-4.1
1195.250000	---	32.68	54.00	21.32	500.0	100.0	H	37.0	-4.5
1309.500000	45.95	---	74.00	28.05	500.0	200.0	H	228.0	-2.2
1440.000000	---	34.31	54.00	19.69	500.0	100.0	H	59.0	-1.7
1675.750000	47.86	---	74.00	26.14	500.0	100.0	H	347.0	0.4
1699.000000	---	36.11	54.00	17.89	500.0	100.0	H	41.0	0.4
1979.250000	48.62	---	74.00	25.38	500.0	100.0	H	306.0	1.9
2062.250000	---	37.37	54.00	16.63	500.0	100.0	V	0.0	2.2
2891.750000	54.01	---	74.00	19.99	500.0	100.0	H	127.0	8.0
2899.250000	---	42.34	54.00	11.66	500.0	200.0	H	351.0	8.6



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)
3903.750000	47.73	---	74.00	26.27	500.0	200.0	V	93.0	3.3
3907.500000	---	36.73	54.00	17.27	500.0	100.0	H	301.0	3.6
5253.750000	---	38.51	54.00	15.49	500.0	100.0	V	333.0	6.1
5257.500000	50.08	---	74.00	23.92	500.0	200.0	V	358.0	6.2
5583.750000	---	39.57	54.00	14.43	500.0	200.0	H	204.0	7.7
5587.500000	50.47	---	74.00	23.53	500.0	200.0	V	292.0	7.9
6555.000000	---	38.19	54.00	15.81	500.0	100.0	H	92.0	6.8
6603.750000	48.52	---	74.00	25.48	500.0	200.0	H	117.0	6.2
7944.375000	---	40.23	54.00	13.77	500.0	100.0	H	277.0	9.9
7993.125000	52.18	---	74.00	21.82	500.0	100.0	V	290.0	9.9
9896.250000	---	38.13	54.00	15.87	500.0	200.0	H	145.0	8.7
9898.125000	49.30	---	74.00	24.70	500.0	100.0	H	77.0	8.6

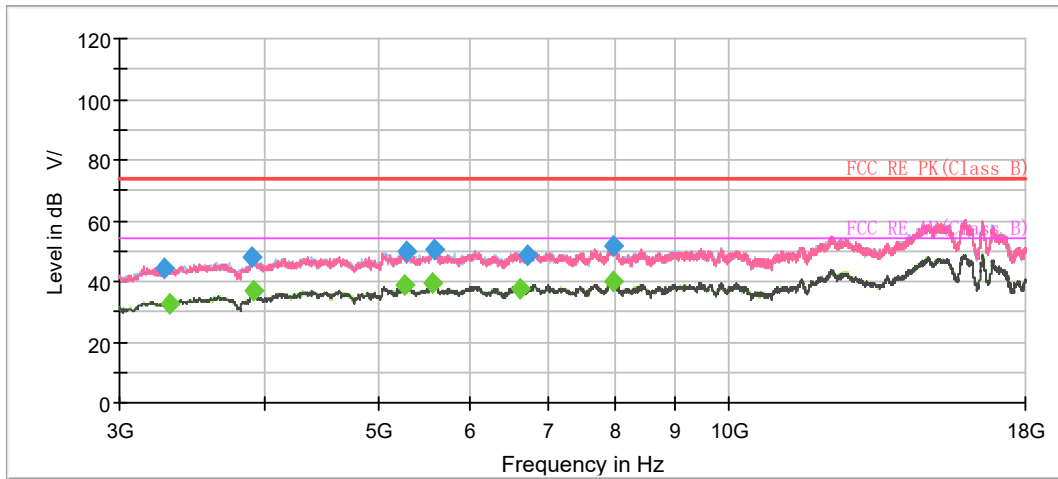
802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

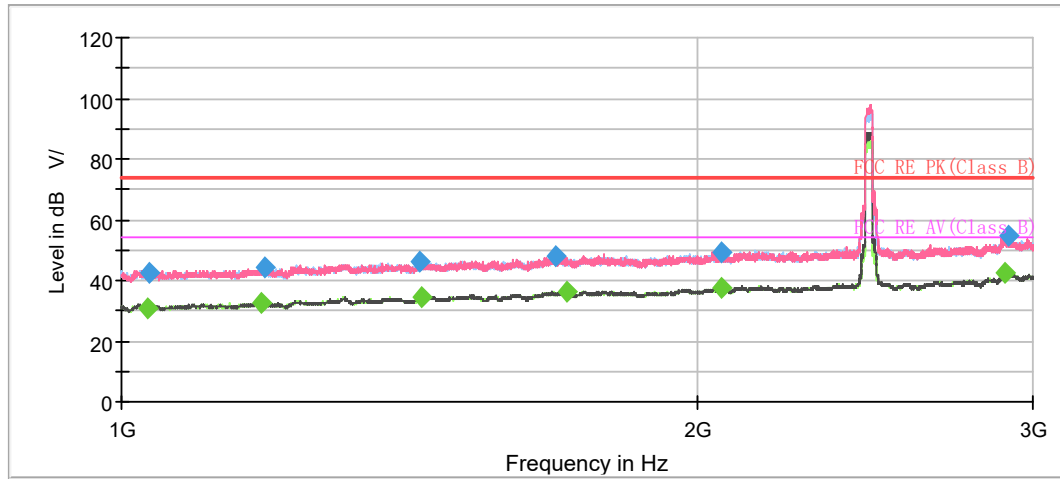
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1170.500000	44.28	---	74.00	29.72	500.0	100.0	H	289.0	-4.4
1173.250000	---	32.54	54.00	21.46	500.0	200.0	V	40.0	-4.3
1435.500000	46.21	---	74.00	27.79	500.0	200.0	V	311.0	-1.8
1440.500000	---	34.56	54.00	19.44	500.0	200.0	H	259.0	-1.7
1512.250000	47.63	---	74.00	26.37	500.0	200.0	V	83.0	-1.3
1696.500000	---	36.23	54.00	17.77	500.0	200.0	V	285.0	0.3
1764.250000	46.68	---	74.00	27.32	500.0	100.0	V	233.0	0.2
1819.500000	---	35.95	54.00	18.05	500.0	100.0	H	16.0	0.7
1955.750000	49.06	---	74.00	24.94	500.0	100.0	V	294.0	1.6
2044.750000	---	37.28	54.00	16.72	500.0	100.0	V	238.0	2.5
2885.000000	54.22	---	74.00	19.78	500.0	100.0	V	200.0	7.4
2902.000000	---	42.64	54.00	11.36	500.0	100.0	V	325.0	8.6



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3273.750000	44.16	---	74.00	29.84	500.0	200.0	V	209.0	-1.0
3309.375000	---	32.65	54.00	21.36	500.0	100.0	H	175.0	-0.9
3903.750000	47.85	---	74.00	26.15	500.0	100.0	H	10.0	3.3
3905.625000	---	36.68	54.00	17.32	500.0	200.0	V	92.0	3.5
5276.250000	---	38.49	54.00	15.51	500.0	100.0	H	332.0	6.4
5293.125000	49.71	---	74.00	24.29	500.0	100.0	V	224.0	6.2
5578.125000	---	39.66	54.00	14.34	500.0	200.0	V	179.0	7.4
5598.750000	50.48	---	74.00	23.52	500.0	200.0	V	82.0	7.8
6620.625000	---	37.66	54.00	16.34	500.0	200.0	H	198.0	5.9
6736.875000	48.46	---	74.00	25.54	500.0	100.0	V	267.0	5.8
7970.625000	51.52	---	74.00	22.48	500.0	100.0	V	132.0	9.9
7978.125000	---	40.22	54.00	13.78	500.0	200.0	V	4.0	9.9

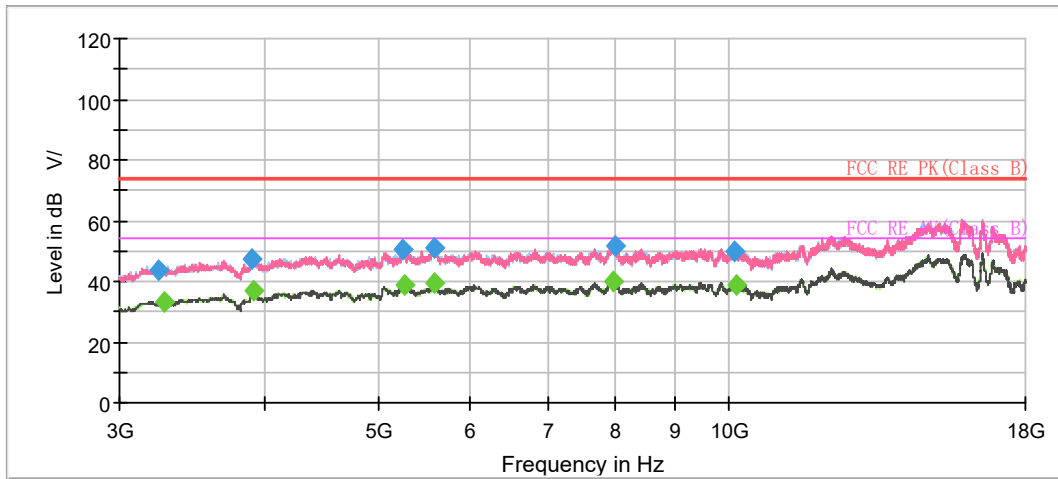
802.11n (HT20) CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1031.500000	---	31.02	54.00	22.98	500.0	100.0	H	107.0	-6.0
1034.000000	42.34	---	74.00	31.66	500.0	100.0	H	68.0	-5.8
1183.250000	---	32.71	54.00	21.29	500.0	100.0	H	261.0	-3.9
1190.000000	44.10	---	74.00	29.90	500.0	100.0	V	0.0	-4.2
1433.000000	46.01	---	74.00	27.99	500.0	200.0	H	335.0	-1.9
1436.750000	---	34.48	54.00	19.52	500.0	200.0	V	82.0	-1.8
1689.750000	48.06	---	74.00	25.94	500.0	100.0	V	45.0	0.4
1711.500000	---	36.21	54.00	17.79	500.0	200.0	V	129.0	0.5
2060.000000	49.20	---	74.00	24.80	500.0	200.0	H	261.0	2.3
2063.250000	---	37.29	54.00	16.71	500.0	200.0	H	79.0	2.2
2902.000000	---	42.48	54.00	11.52	500.0	200.0	H	213.0	8.6
2913.750000	54.48	---	74.00	19.52	500.0	100.0	H	270.0	8.3



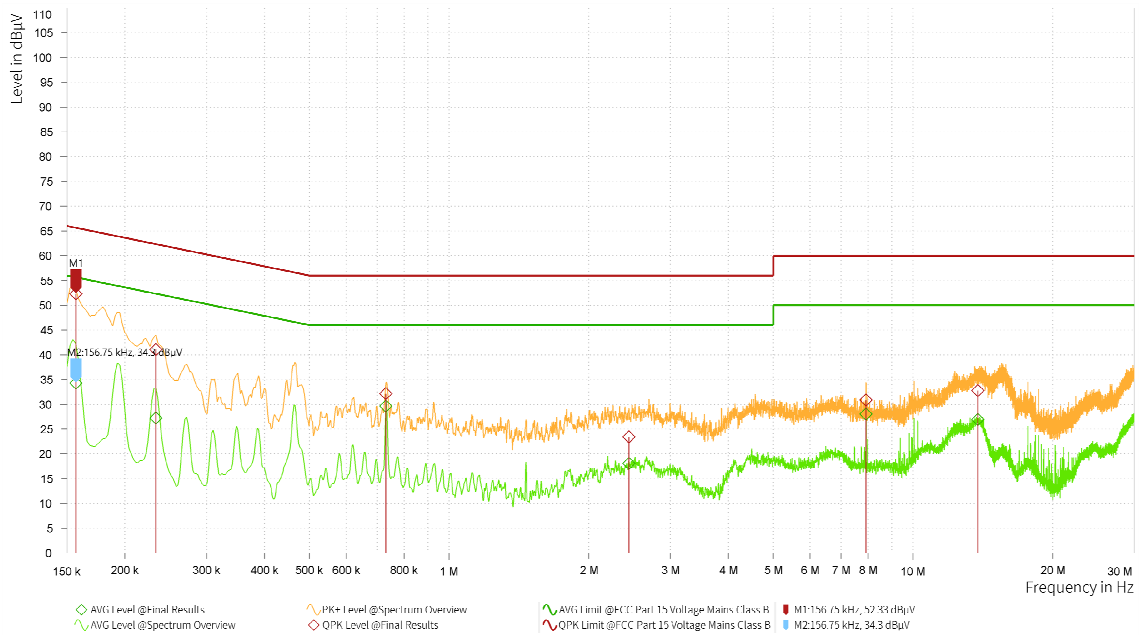
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3241.875000	43.75	---	74.00	30.25	500.0	200.0	H	134.0	-1.3
3277.500000	---	33.06	54.00	20.94	500.0	200.0	H	0.0	-1.0
3903.750000	47.53	---	74.00	26.47	500.0	200.0	H	258.0	3.3
3907.500000	---	37.02	54.00	16.98	500.0	100.0	H	52.0	3.6
5246.250000	50.50	---	74.00	23.50	500.0	200.0	H	79.0	5.9
5276.250000	---	38.85	54.00	15.15	500.0	100.0	V	263.0	6.4
5598.750000	51.08	---	74.00	22.92	500.0	200.0	H	0.0	7.8
5600.625000	---	39.59	54.00	14.41	500.0	100.0	H	106.0	7.6
7966.875000	---	40.23	54.00	13.77	500.0	200.0	H	74.0	9.9
7995.000000	51.52	---	74.00	22.48	500.0	100.0	H	52.0	9.9
10136.250000	50.04	---	74.00	23.96	500.0	100.0	H	67.0	9.0
10166.250000	---	38.90	54.00	15.10	500.0	100.0	H	48.0	9.2

1.2. Conducted Emission

2.1. Wi-Fi 2.4GHz

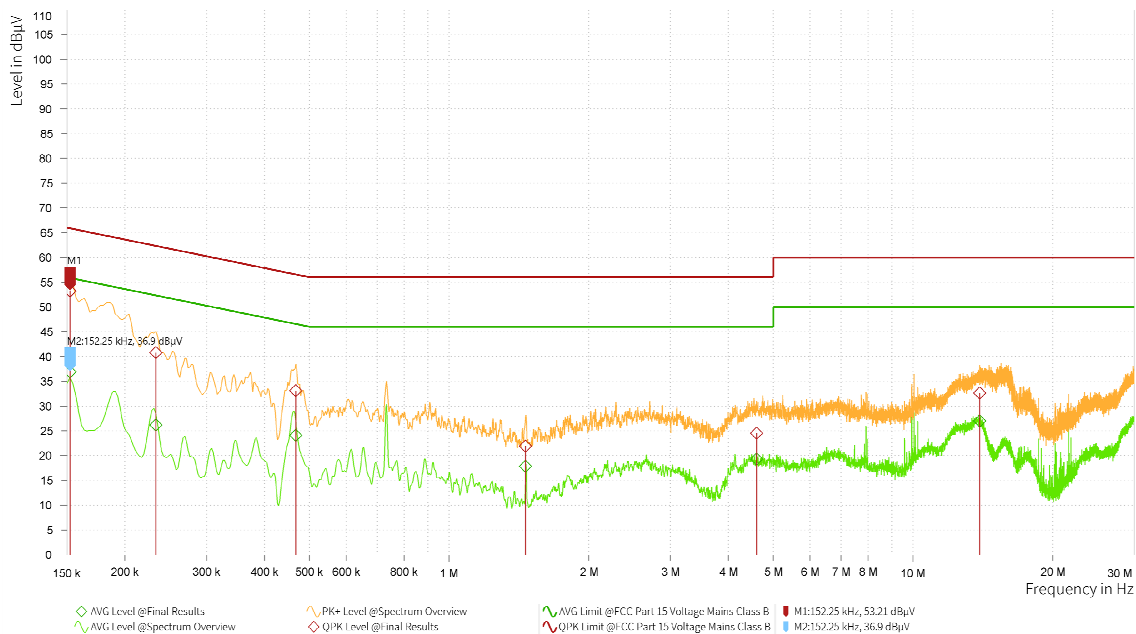
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition (802.11b CH11) was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.157	52.33	65.63	13.31	34.30	55.63	21.33	20.90	L1	9.000	1.000
0.233	41.08	62.33	21.26	27.21	52.33	25.12	20.99	L1	9.000	1.000
0.731	32.18	56.00	23.82	29.66	46.00	16.34	20.41	L1	9.000	1.000
2.443	23.44	56.00	32.56	18.06	46.00	27.94	19.55	L1	9.000	1.000
7.924	30.90	60.00	29.10	28.01	50.00	21.99	19.41	L1	9.000	1.000
13.803	32.76	60.00	27.24	26.94	50.00	23.06	19.47	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 Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.152	53.21	65.88	12.67	36.90	55.88	18.98	20.91	N	9.000	1.000
0.233	40.79	62.33	21.54	26.21	52.33	26.13	21.00	N	9.000	1.000
0.467	33.12	56.56	23.45	24.11	46.56	22.46	20.82	N	9.000	1.000
1.462	21.94	56.00	34.06	17.84	46.00	28.16	19.87	N	9.000	1.000
4.603	24.53	56.00	31.47	19.29	46.00	26.71	19.42	N	9.000	1.000
13.938	32.66	60.00	27.34	26.97	50.00	23.03	19.50	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz