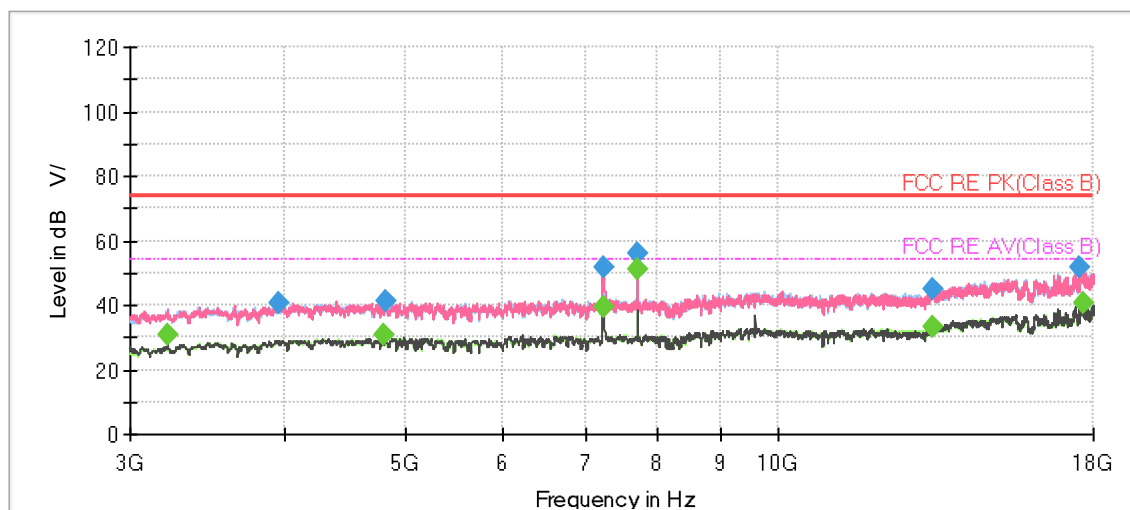
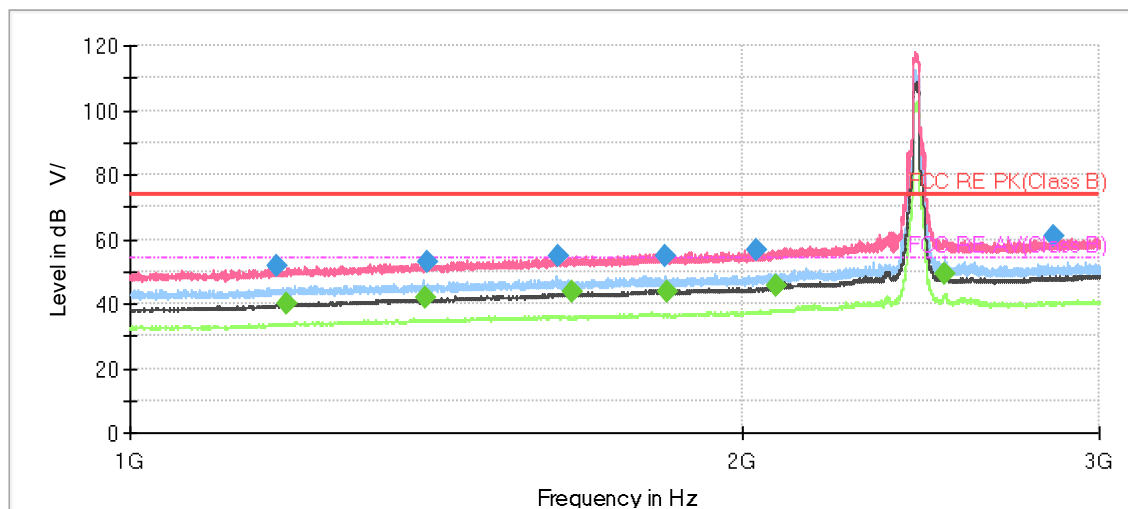




Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3215.625000	---	31.03	54.00	22.97	500.0	200.0	V	164.0	-9.9
3952.500000	40.64	---	74.00	33.36	500.0	200.0	H	79.0	-7.2
4816.875000	---	30.84	54.00	23.16	500.0	200.0	V	352.0	-6.1
4820.625000	41.37	---	74.00	32.63	500.0	200.0	V	13.0	-6.1
7230.000000	51.87	---	74.00	22.13	500.0	200.0	V	200.0	-2.9
7235.625000	---	39.31	54.00	14.69	500.0	200.0	V	239.0	-2.9
7717.500000	55.96	---	74.00	18.04	500.0	200.0	V	316.0	-2.5
7717.500000	---	50.79	54.00	3.21	500.0	200.0	V	316.0	-2.5
13342.500000	44.72	---	74.00	29.28	500.0	200.0	H	43.0	2.3
13348.125000	---	33.27	54.00	20.73	500.0	200.0	H	154.0	2.4
17566.875000	51.69	---	74.00	22.31	500.0	200.0	H	14.0	10.0
17660.625000	---	40.71	54.00	13.29	500.0	200.0	H	353.0	10.2

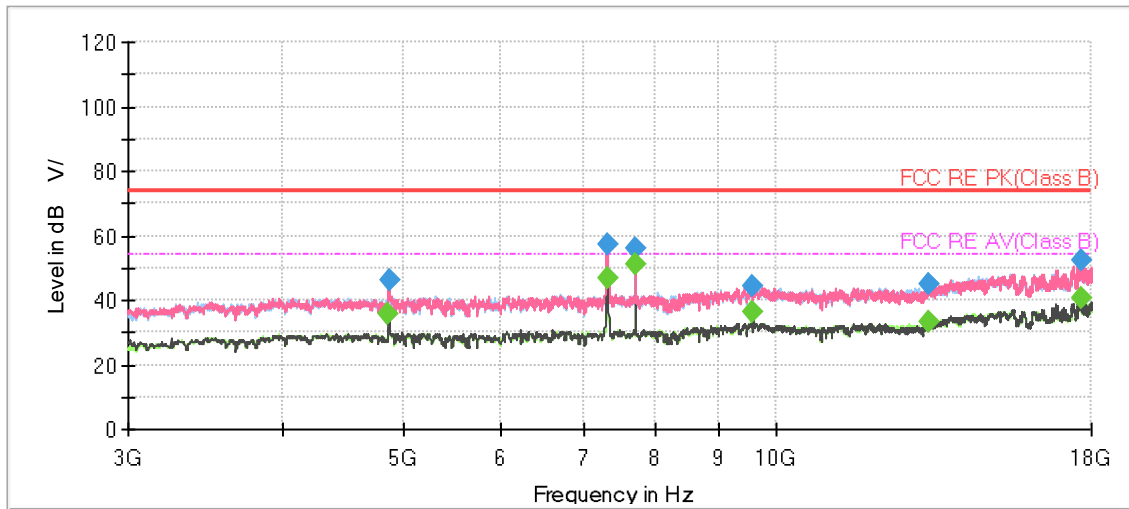
802.11ax HE20 CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

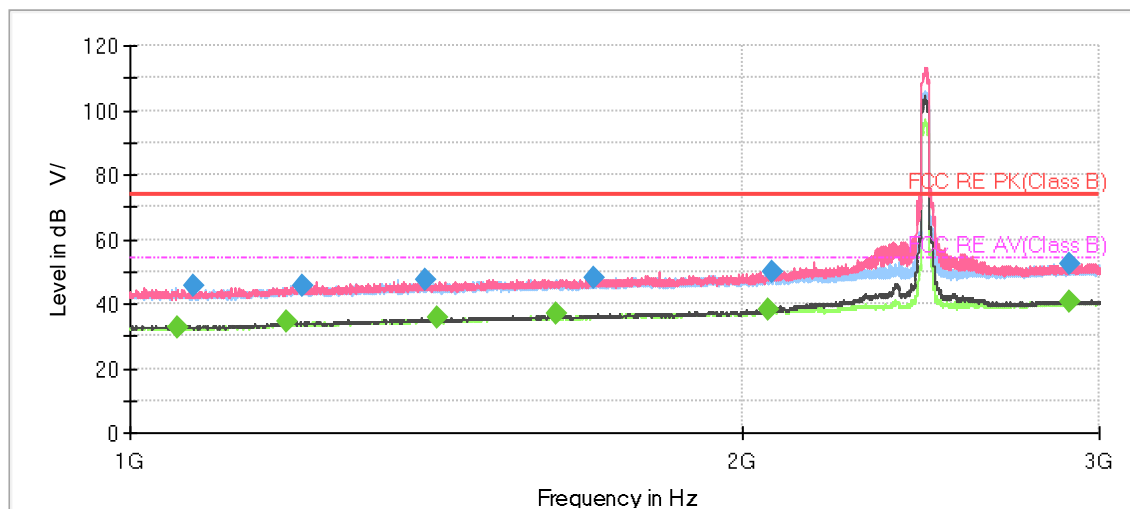
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1181.000000	51.61	---	74.00	22.40	500.0	200.0	V	285.0	2.3
1194.250000	---	40.09	54.00	13.91	500.0	200.0	V	295.0	2.6
1397.000000	---	41.67	54.00	12.33	500.0	200.0	V	276.0	3.8
1401.000000	52.95	---	74.00	21.05	500.0	200.0	V	130.0	3.8
1626.000000	54.73	---	74.00	19.27	500.0	200.0	V	195.0	5.0
1652.000000	---	43.78	54.00	10.22	500.0	200.0	V	345.0	5.1
1834.500000	54.85	---	74.00	19.15	500.0	200.0	V	156.0	5.8
1837.250000	---	43.83	54.00	10.17	500.0	200.0	V	73.0	5.8
2035.500000	56.61	---	74.00	17.39	500.0	200.0	V	195.0	6.7
2079.000000	---	45.74	54.00	8.27	500.0	200.0	V	304.0	7.0
2517.750000	---	49.49	54.00	4.51	500.0	200.0	V	214.0	8.5
2848.500000	60.76	---	74.00	13.24	500.0	200.0	V	0.0	9.2



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)
4871.250000	---	35.68	54.00	18.32	500.0	200.0	V	15.0	-5.8
4876.875000	46.22	---	74.00	27.78	500.0	200.0	V	179.0	-5.8
7310.625000	57.46	---	74.00	16.54	500.0	200.0	V	143.0	-3.0
7314.375000	---	46.77	54.00	7.23	500.0	200.0	V	154.0	-3.0
7717.500000	---	50.80	54.00	3.20	500.0	200.0	V	323.0	-2.5
7717.500000	55.86	---	74.00	18.14	500.0	200.0	V	323.0	-2.5
9600.000000	44.24	---	74.00	29.76	500.0	200.0	V	31.0	-0.7
9600.000000	---	36.07	54.00	17.93	500.0	200.0	V	31.0	-0.7
13306.875000	45.12	---	74.00	28.88	500.0	200.0	H	204.0	2.3
13323.750000	---	33.32	54.00	20.68	500.0	200.0	H	167.0	2.3
17656.875000	---	40.61	54.00	13.39	500.0	200.0	V	226.0	10.2
17662.500000	52.49	---	74.00	21.51	500.0	200.0	H	56.0	10.2

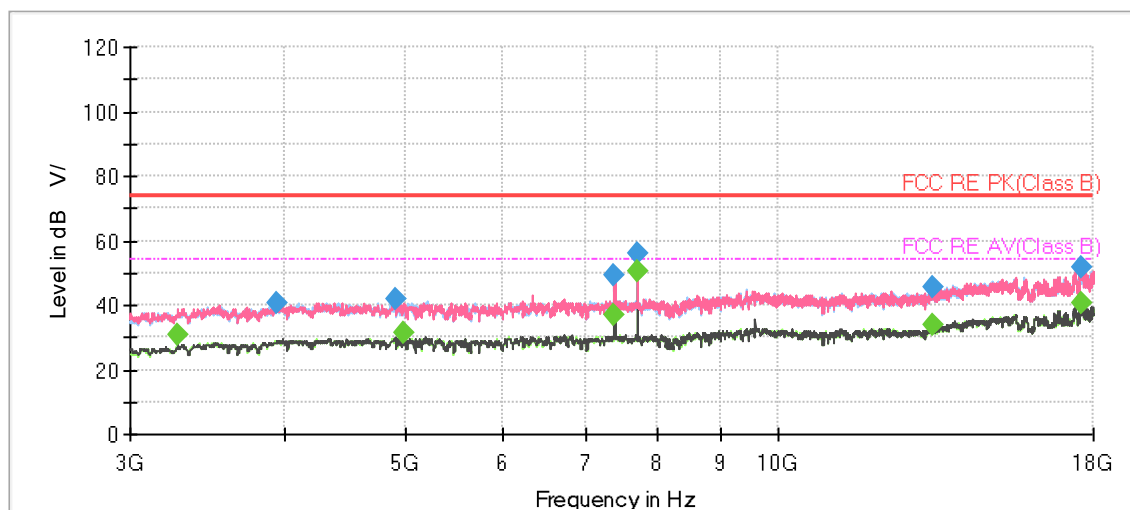
802.11ax HE20 CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

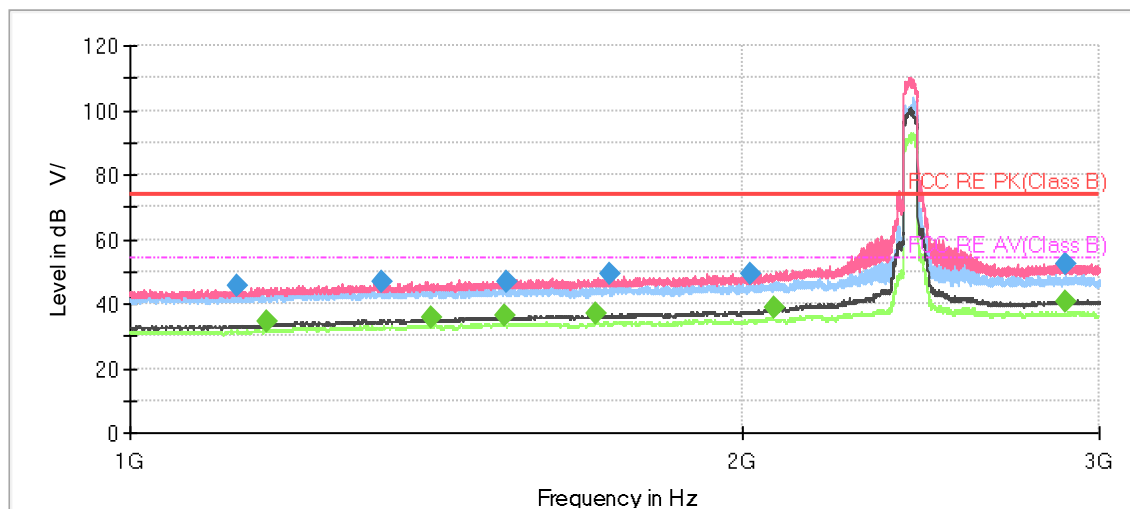
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1056.500000	---	32.88	54.00	21.12	500.0	200.0	H	70.0	1.2
1075.500000	45.60	---	74.00	28.40	500.0	200.0	H	157.0	1.3
1194.250000	---	34.21	54.00	19.79	500.0	200.0	H	70.0	2.6
1215.750000	45.41	---	74.00	28.59	500.0	200.0	H	70.0	2.7
1397.000000	47.29	---	74.00	26.71	500.0	200.0	V	246.0	3.8
1415.250000	---	35.71	54.00	18.29	500.0	200.0	H	70.0	3.9
1619.250000	---	36.73	54.00	17.27	500.0	200.0	V	295.0	4.9
1693.250000	47.71	---	74.00	26.29	500.0	200.0	V	187.0	5.2
2062.250000	---	38.38	54.00	15.62	500.0	200.0	V	221.0	6.8
2069.500000	49.90	---	74.00	24.10	500.0	200.0	V	179.0	6.9
2902.750000	---	40.45	54.00	13.55	500.0	200.0	V	88.0	9.4
2903.250000	52.14	---	74.00	21.86	500.0	200.0	V	287.0	9.4



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)
3281.250000	---	31.03	54.00	22.97	500.0	200.0	V	109.0	-9.3
3933.750000	40.75	---	74.00	33.25	500.0	200.0	H	0.0	-7.3
4916.250000	41.92	---	74.00	32.08	500.0	200.0	V	359.0	-5.3
4998.750000	---	31.42	54.00	22.58	500.0	200.0	V	189.0	-5.6
7385.625000	---	36.68	54.00	17.32	500.0	200.0	V	189.0	-2.8
7387.500000	49.14	---	74.00	24.86	500.0	200.0	V	189.0	-2.8
7717.500000	55.81	---	74.00	18.19	500.0	200.0	V	322.0	-2.5
7717.500000	---	50.52	54.00	3.48	500.0	200.0	V	322.0	-2.5
13338.750000	45.24	---	74.00	28.76	500.0	200.0	V	121.0	2.3
13350.000000	---	33.65	54.00	20.35	500.0	200.0	V	61.0	2.4
17619.375000	51.42	---	74.00	22.58	500.0	200.0	H	0.0	10.2
17621.250000	---	40.71	54.00	13.29	500.0	200.0	H	70.0	10.2

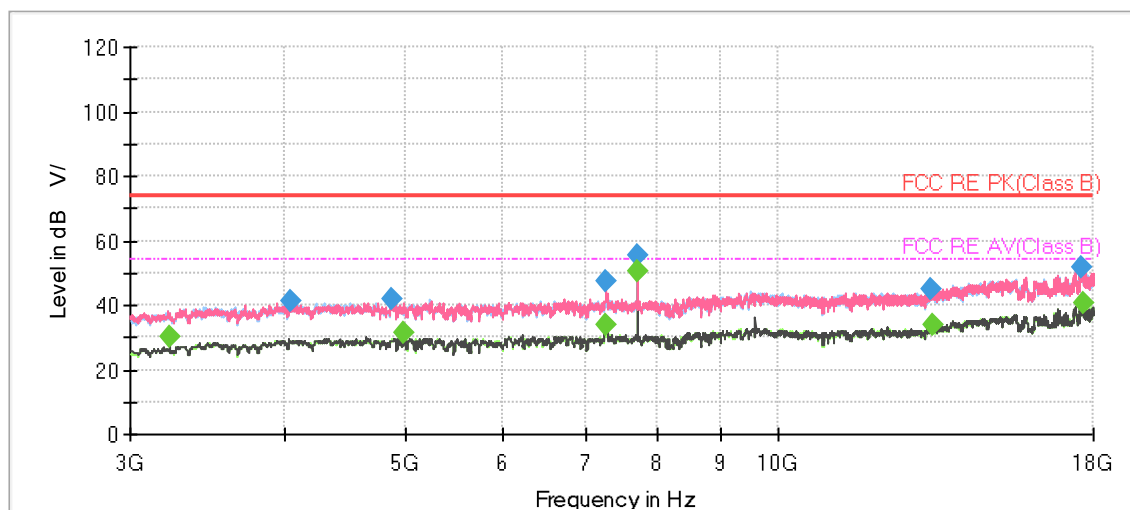
802.11ax HE40 CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

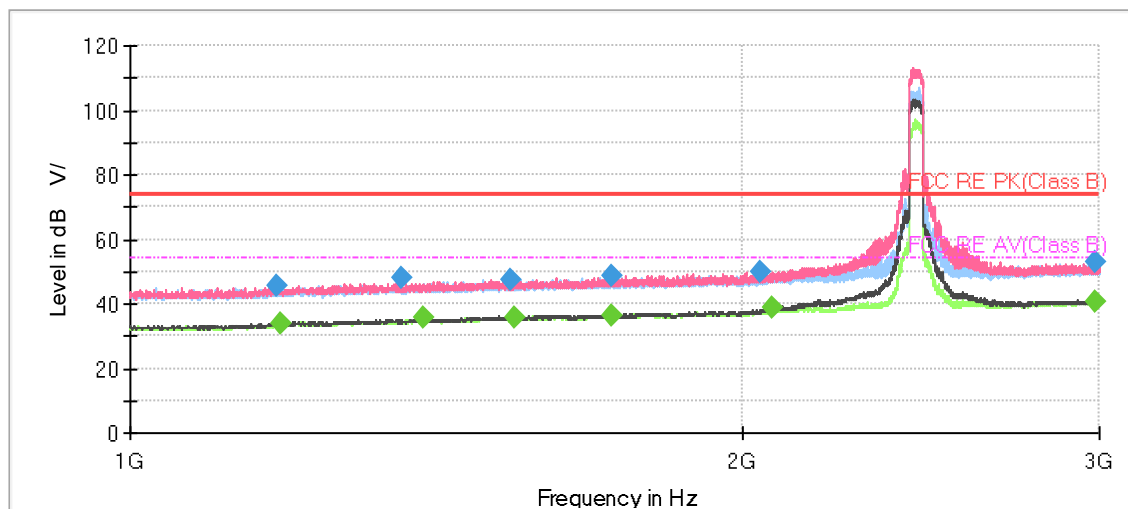
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1129.500000	45.67	---	74.00	28.33	500.0	200.0	V	241.0	1.6
1168.000000	---	34.23	54.00	19.77	500.0	200.0	V	0.0	2.0
1330.750000	46.81	---	74.00	27.19	500.0	200.0	V	316.0	3.4
1406.250000	---	35.59	54.00	18.41	500.0	200.0	V	357.0	3.9
1529.000000	---	36.01	54.00	17.99	500.0	200.0	V	332.0	4.4
1533.000000	46.92	---	74.00	27.08	500.0	200.0	V	349.0	4.4
1696.750000	---	36.83	54.00	17.17	500.0	200.0	V	275.0	5.2
1722.250000	49.28	---	74.00	24.72	500.0	200.0	V	96.0	5.3
2022.000000	49.35	---	74.00	24.65	500.0	200.0	V	357.0	6.6
2073.750000	---	38.92	54.00	15.08	500.0	200.0	V	332.0	6.9
2886.750000	---	40.56	54.00	13.44	500.0	200.0	V	69.0	9.3
2886.750000	52.25	---	74.00	21.75	500.0	200.0	V	69.0	9.3



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)
3228.750000	---	29.85	54.00	24.15	500.0	200.0	V	56.0	-9.8
4038.750000	41.42	---	74.00	32.58	500.0	200.0	H	272.0	-6.7
4880.625000	41.77	---	74.00	32.23	500.0	200.0	V	254.0	-5.7
4998.750000	---	31.09	54.00	22.91	500.0	200.0	V	181.0	-5.6
7267.500000	47.49	---	74.00	26.51	500.0	200.0	V	163.0	-2.9
7280.625000	---	33.68	54.00	20.32	500.0	200.0	V	163.0	-2.9
7717.500000	55.33	---	74.00	18.67	500.0	200.0	V	325.0	-2.5
7717.500000	---	50.40	54.00	3.60	500.0	200.0	V	325.0	-2.5
13310.625000	44.94	---	74.00	29.06	500.0	200.0	H	291.0	2.3
13351.875000	---	33.75	54.00	20.25	500.0	200.0	H	30.0	2.4
17623.125000	51.72	---	74.00	22.28	500.0	200.0	V	8.0	10.2
17651.250000	---	40.41	54.00	13.59	500.0	200.0	H	344.0	10.2

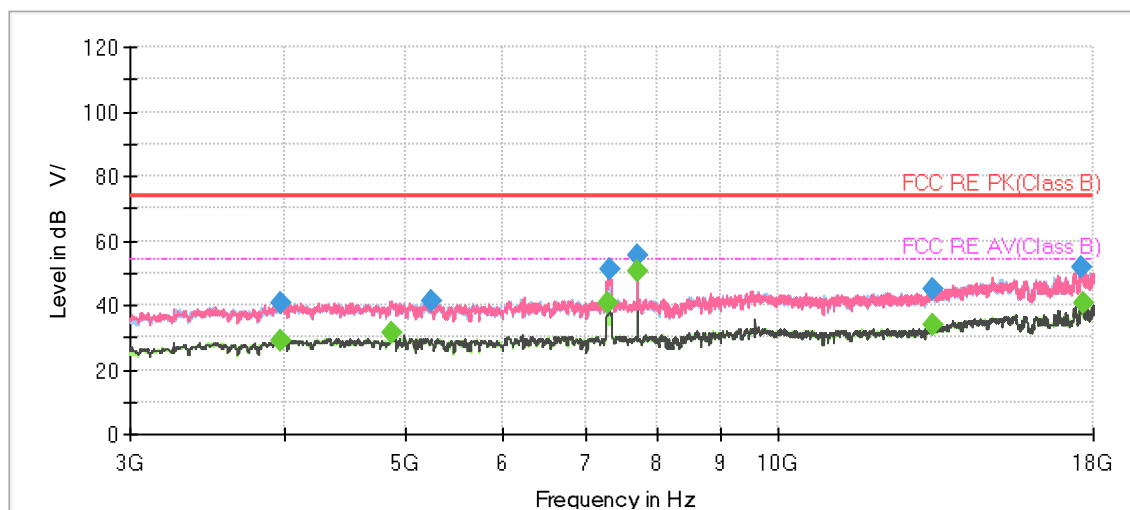
802.11ax HE40 CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

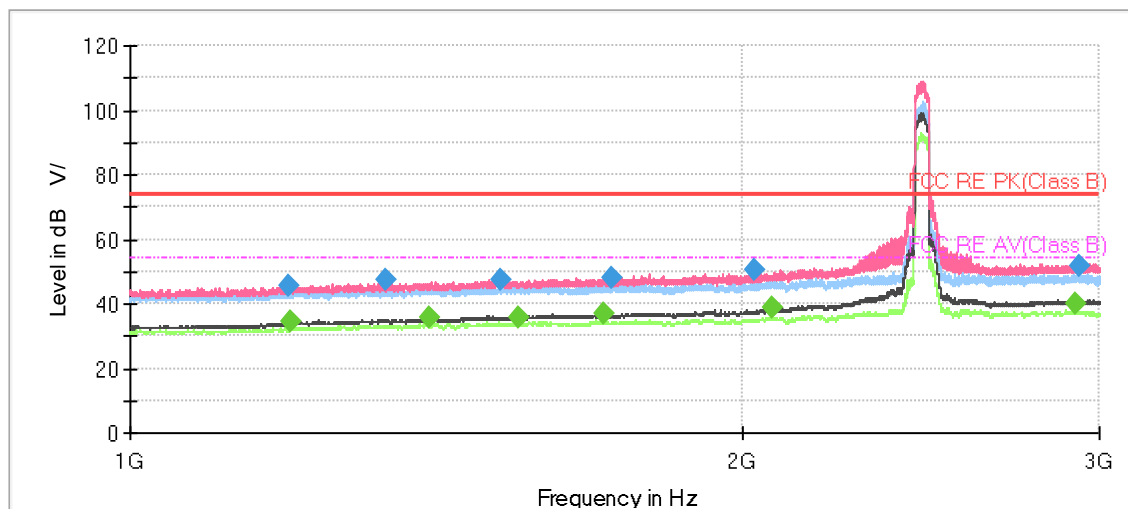
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1180.000000	45.35	---	74.00	28.65	500.0	200.0	H	77.0	2.3
1185.750000	---	34.03	54.00	19.97	500.0	200.0	H	1.0	2.4
1361.500000	47.85	---	74.00	26.15	500.0	200.0	H	1.0	3.5
1393.000000	---	35.48	54.00	18.52	500.0	200.0	H	26.0	3.8
1537.750000	47.22	---	74.00	26.78	500.0	200.0	H	217.0	4.5
1546.500000	---	35.86	54.00	18.14	500.0	200.0	H	0.0	4.5
1725.500000	---	36.50	54.00	17.50	500.0	200.0	V	326.0	5.3
1727.250000	48.51	---	74.00	25.49	500.0	200.0	V	0.0	5.3
2042.750000	49.84	---	74.00	24.16	500.0	200.0	V	258.0	6.7
2072.750000	---	38.75	54.00	15.25	500.0	200.0	V	310.0	6.9
2985.500000	---	40.80	54.00	13.20	500.0	200.0	V	227.0	9.5
2989.000000	52.98	---	74.00	21.02	500.0	200.0	V	202.0	9.5



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)
3976.875000	---	29.21	54.00	24.79	500.0	200.0	H	279.0	-6.9
3976.875000	40.75	---	74.00	33.25	500.0	200.0	H	279.0	-6.9
4878.750000	---	31.43	54.00	22.57	500.0	200.0	V	19.0	-5.7
5246.250000	41.47	---	74.00	32.53	500.0	200.0	V	313.0	-4.7
7301.250000	---	40.67	54.00	13.33	500.0	200.0	V	204.0	-3.0
7312.500000	51.29	---	74.00	22.71	500.0	200.0	V	143.0	-3.0
7717.500000	55.51	---	74.00	18.49	500.0	200.0	V	324.0	-2.5
7717.500000	---	50.33	54.00	3.67	500.0	200.0	V	324.0	-2.5
13346.250000	44.80	---	74.00	29.20	500.0	200.0	H	249.0	2.4
13350.000000	---	33.79	54.00	20.21	500.0	200.0	H	74.0	2.4
17604.375000	51.83	---	74.00	22.17	500.0	200.0	V	60.0	10.1
17655.000000	---	40.54	54.00	13.46	500.0	200.0	H	303.0	10.2

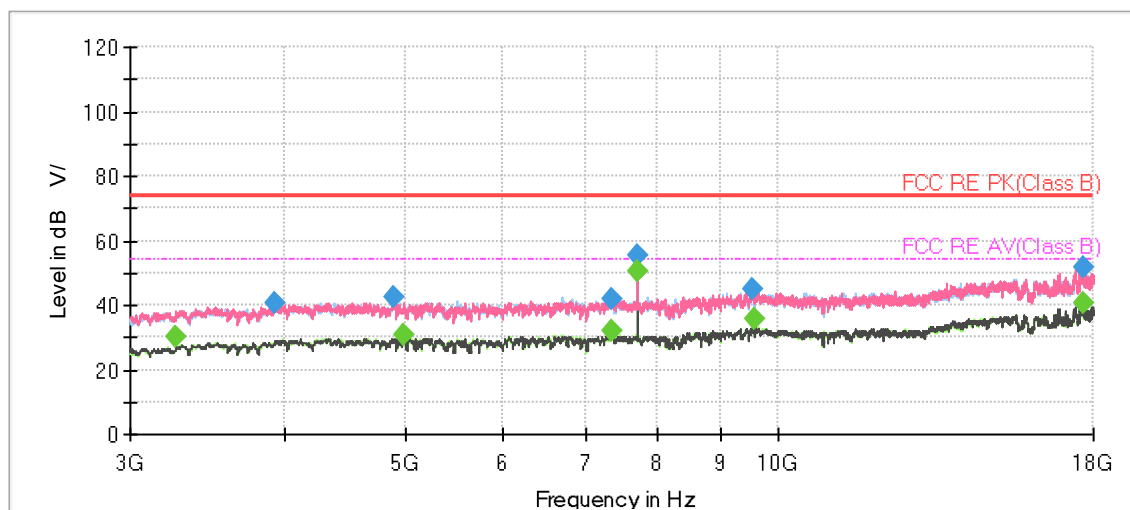
802.11ax HE40 CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

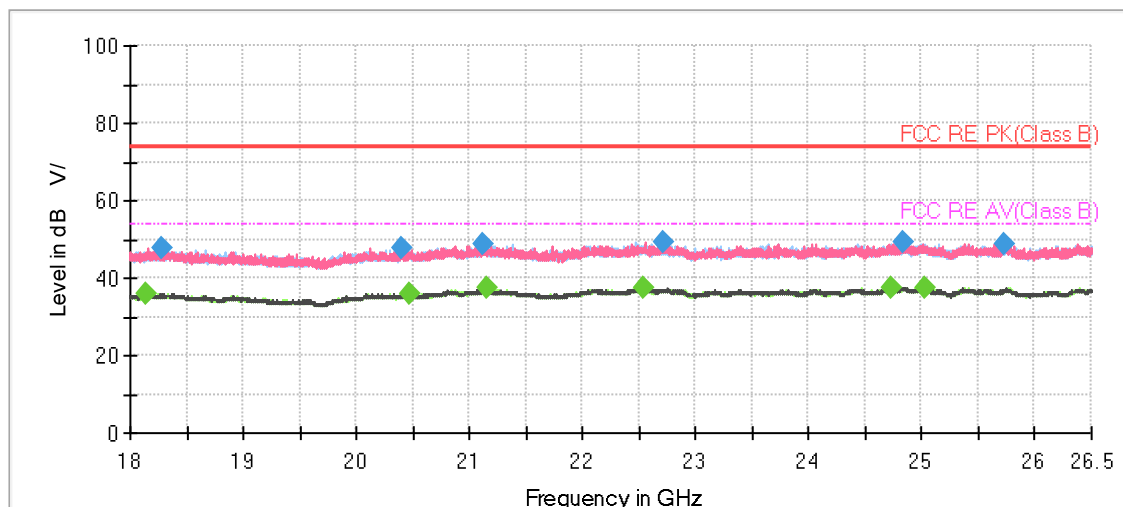
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1196.250000	45.38	---	74.00	28.62	500.0	200.0	V	175.0	2.6
1200.750000	---	34.38	54.00	19.62	500.0	200.0	V	188.0	2.7
1337.000000	47.30	---	74.00	26.70	500.0	100.0	V	247.0	3.4
1402.750000	---	35.56	54.00	18.44	500.0	200.0	V	100.0	3.9
1521.000000	47.42	---	74.00	26.58	500.0	100.0	V	311.0	4.4
1552.500000	---	35.61	54.00	18.39	500.0	200.0	V	265.0	4.6
1709.000000	---	36.78	54.00	17.22	500.0	200.0	V	30.0	5.3
1724.750000	48.22	---	74.00	25.78	500.0	200.0	V	260.0	5.3
2029.250000	50.56	---	74.00	23.44	500.0	100.0	V	274.0	6.6
2071.750000	---	38.49	54.00	15.51	500.0	200.0	V	0.0	6.9
2921.250000	---	40.12	54.00	13.88	500.0	200.0	V	298.0	9.4
2935.500000	51.70	---	74.00	22.30	500.0	200.0	V	25.0	9.3



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)
3268.125000	---	29.86	54.00	24.14	500.0	200.0	V	60.0	-9.5
3930.000000	40.89	---	74.00	33.11	500.0	200.0	H	73.0	-7.3
4905.000000	42.22	---	74.00	31.78	500.0	200.0	H	91.0	-5.4
4998.750000	---	30.76	54.00	23.24	500.0	200.0	V	195.0	-5.6
7348.125000	---	31.93	54.00	22.07	500.0	200.0	V	189.0	-3.0
7361.250000	42.15	---	74.00	31.85	500.0	200.0	V	189.0	-2.9
7717.500000	55.63	---	74.00	18.37	500.0	200.0	V	321.0	-2.5
7717.500000	---	50.32	54.00	3.68	500.0	200.0	V	321.0	-2.5
9530.625000	44.78	---	74.00	29.22	500.0	200.0	H	295.0	-0.2
9600.000000	---	36.00	54.00	18.01	500.0	200.0	V	20.0	-0.7
17656.875000	---	40.51	54.00	13.49	500.0	200.0	H	0.0	10.2
17671.875000	51.47	---	74.00	22.53	500.0	200.0	H	336.0	10.3

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18145.562500	---	35.97	54.00	18.03	500.0	100.0	V	59.0	-6.1
18272.000000	47.70	---	74.00	26.30	500.0	100.0	V	51.0	-6.1
20405.500000	47.59	---	74.00	26.41	500.0	200.0	V	132.0	-5.4
20476.687500	---	35.99	54.00	18.01	500.0	200.0	H	303.0	-5.1
21121.625000	48.88	---	74.00	25.12	500.0	200.0	V	109.0	-4.2
21150.312500	---	37.31	54.00	16.69	500.0	200.0	H	342.0	-4.3
22545.375000	---	37.43	54.00	16.57	500.0	100.0	V	99.0	-3.5
22714.312500	49.23	---	74.00	24.77	500.0	200.0	H	197.0	-3.5
24729.875000	---	37.59	54.00	16.41	500.0	200.0	H	212.0	-2.5
24827.625000	49.07	---	74.00	24.93	500.0	200.0	V	354.0	-2.4
25024.187500	---	37.54	54.00	16.46	500.0	200.0	V	266.0	-2.4
25730.750000	48.90	---	74.00	25.10	500.0	200.0	V	316.0	-2.4

5.7. Conducted Emission

Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

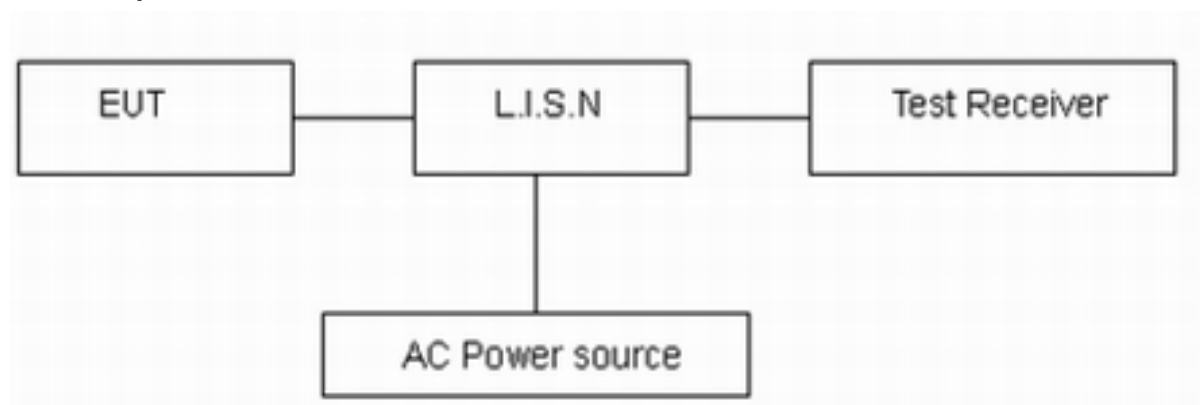
Methods of Measurement

The EUT is placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, VBW is set to 30kHz.

The measurement result should include both L line and N line.

The test is in transmitting mode.

Test Setup



Note: AC Power source is used to change the voltage 110V/60Hz.

Limits

Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 2.69$ dB.

Test Results:

Following plots, Blue trace uses the peak detection and Green trace uses the average detection.

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.

AOT



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]
0.184	36.59	64.31	27.72	20.84	54.31	33.47	21.03	L1	9.000	1.000
0.323	29.08	59.62	30.54	20.60	49.62	29.03	20.92	L1	9.000	1.000
0.809	32.57	56.00	23.43	25.77	46.00	20.23	20.32	L1	9.000	1.000
1.934	27.06	56.00	28.94	20.56	46.00	25.44	19.67	L1	9.000	1.000
4.054	26.13	56.00	29.87	19.04	46.00	26.96	19.43	L1	9.000	1.000
15.655	31.29	60.00	28.71	24.78	50.00	25.22	19.52	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz

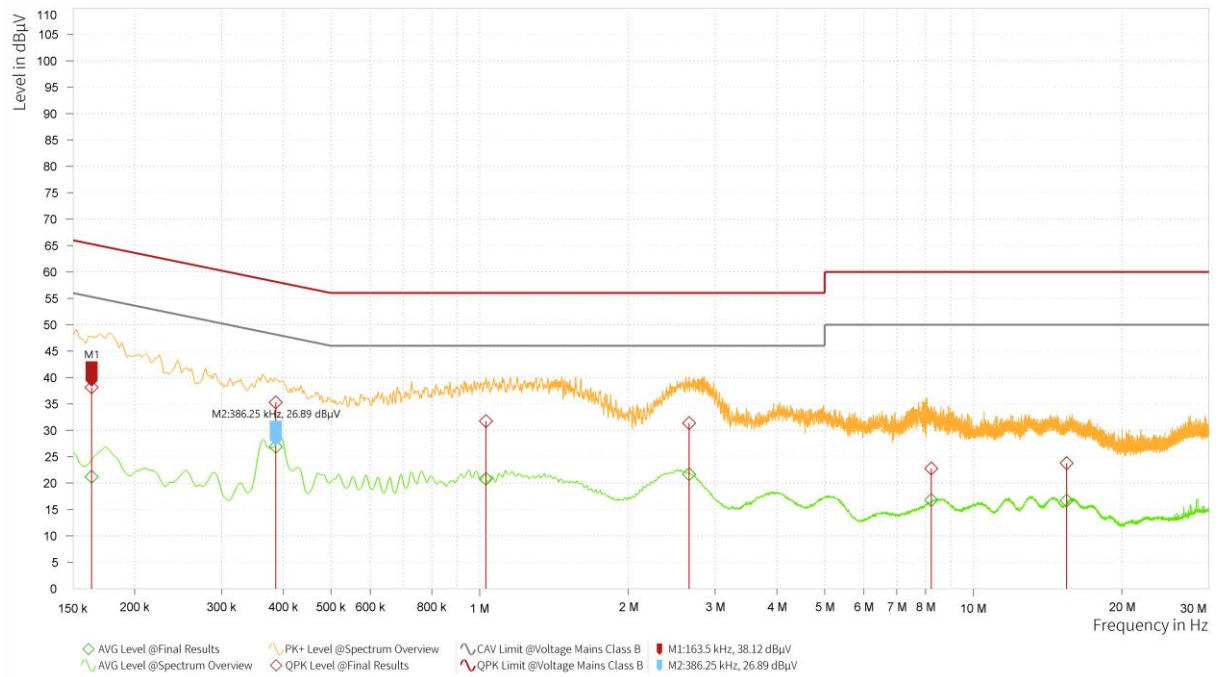


Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.177	43.35	64.63	21.27	27.56	54.63	27.06	21.04	N	9.000	1.000
0.427	35.07	57.32	22.25	21.83	47.32	25.49	20.86	N	9.000	1.000
0.854	33.12	56.00	22.88	24.03	46.00	21.97	20.29	N	9.000	1.000
1.878	27.38	56.00	28.62	18.77	46.00	27.23	19.70	N	9.000	1.000
3.568	25.02	56.00	30.98	18.34	46.00	27.66	19.46	N	9.000	1.000
10.138	34.03	60.00	25.97	27.56	50.00	22.44	19.44	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

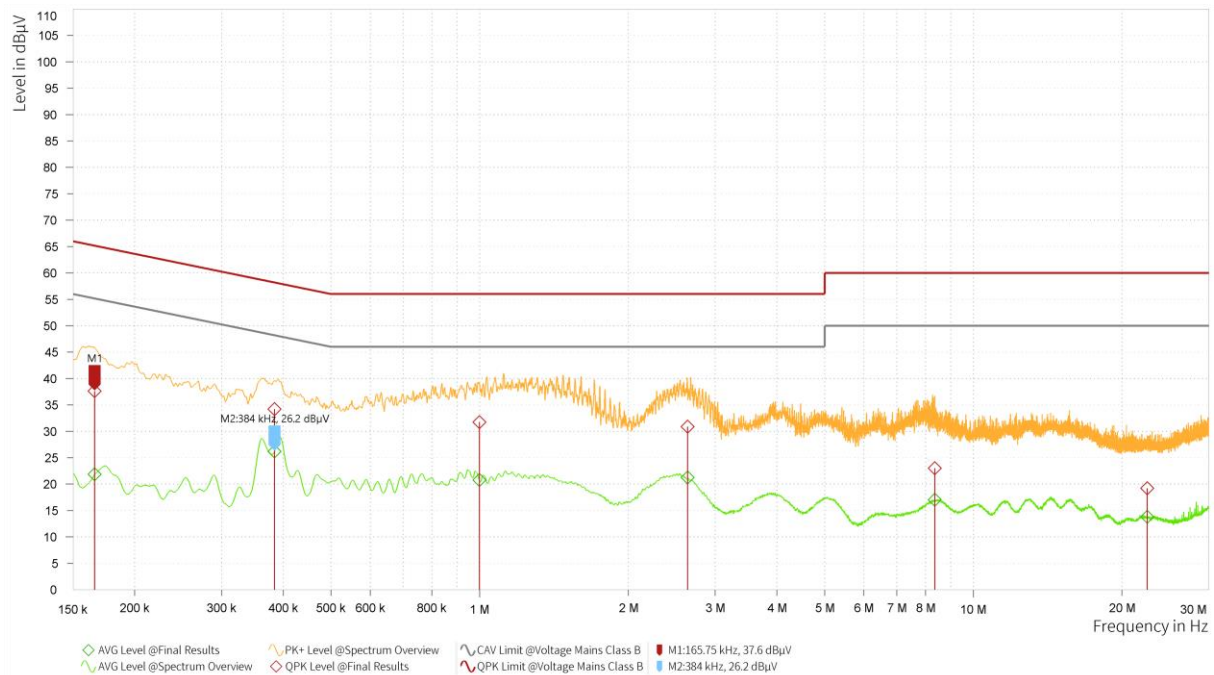
INPAQ



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]
0.164	38.12	65.28	27.16	21.18	55.28	34.10	20.89	L1	9.000	1.000
0.386	35.30	58.14	22.84	26.89	48.14	21.25	20.89	L1	9.000	1.000
1.030	31.74	56.00	24.26	20.82	46.00	25.18	20.14	L1	9.000	1.000
2.654	31.37	56.00	24.63	21.65	46.00	24.35	19.52	L1	9.000	1.000
8.223	22.77	60.00	37.23	16.78	50.00	33.22	19.41	L1	9.000	1.000
15.464	23.76	60.00	36.24	16.67	50.00	33.33	19.52	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]
0.166	37.60	65.17	27.57	21.85	55.17	33.32	20.90	N	9.000	1.000
0.384	34.20	58.19	23.99	26.20	48.19	21.99	20.90	N	9.000	1.000
0.998	31.73	56.00	24.27	20.80	46.00	25.20	20.17	N	9.000	1.000
2.636	30.87	56.00	25.13	21.23	46.00	24.77	19.53	N	9.000	1.000
8.356	23.01	60.00	37.00	17.02	50.00	32.98	19.42	N	9.000	1.000
22.504	19.22	60.00	40.78	13.81	50.00	36.19	19.77	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Power sensor	R&S	NRP18S	101954	2025-05-06	2026-05-05
Spectrum Analyzer	KEYSIGHT	N9020A	MY50510203	2024-12-02	2025-12-01
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
EMI Test Receiver	R&S	ESR	102389	2025-05-06	2026-05-05
Signal Analyzer	R&S	FSV40	101298	2025-05-07	2026-05-06
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	01111	2022-10-25	2025-10-24
Horn Antenna	R&S	HF 907	102723	2023-11-24	2026-11-23
Amplifier	R&S	SCU18	10034	2025-05-06	2026-05-05
Horn Antenna	ETS-Lindgren	3160-09	00102643	2024-09-24	2027-09-23
Amplifier	MicroWave	KLNA-18040050	220826001	2025-05-06	2026-05-05
Software	R&S	EMC32	9.26.01	/	/
Artificial main network	R&S	ENV216	102191	2024-12-02	2026-12-01
EMI Test Receiver	R&S	ESR	101667	2025-05-06	2026-05-05
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

***** END OF REPORT *****