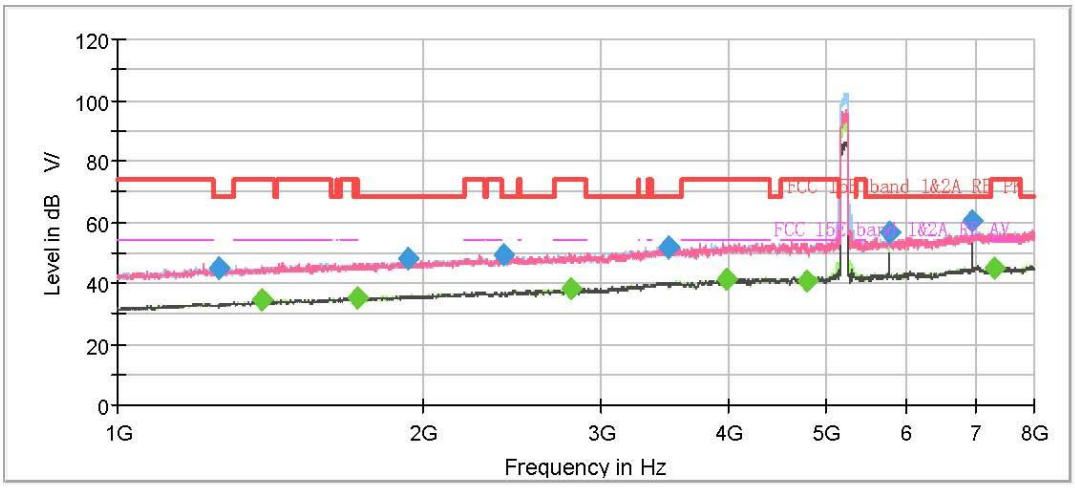
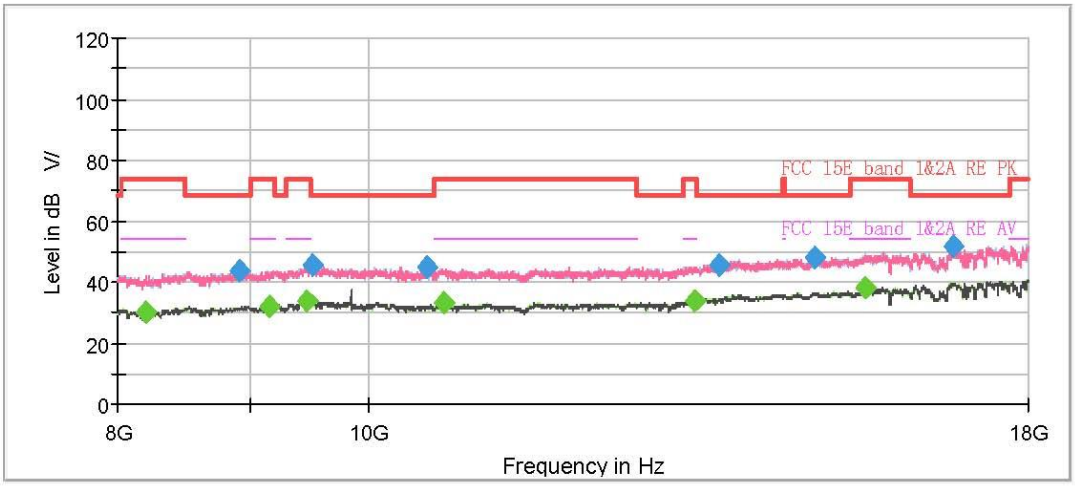
802.11ax HE80 CH42



Final_Result

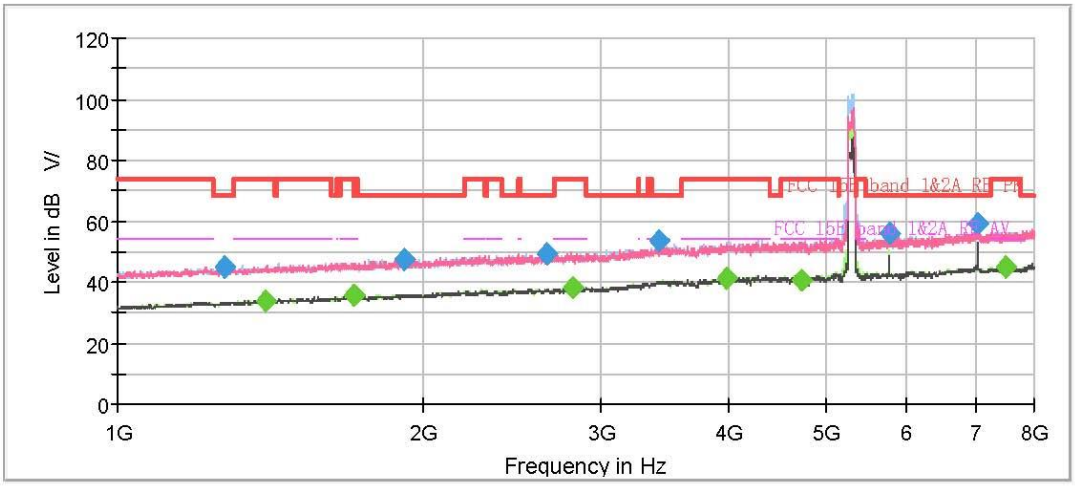
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1255.500000	44.77	---	68.20	23.43	500.0	100.0	V	119.0	2.8
1390.250000	---	34.16	54.00	19.84	500.0	200.0	V	114.0	3.8
1721.000000	---	35.14	54.00	18.86	500.0	200.0	V	78.0	5.3
1934.500000	48.13	---	68.20	20.07	500.0	200.0	V	0.0	6.2
2396.500000	49.26	---	68.20	18.94	500.0	100.0	V	244.0	8.1
2801.625000	---	37.94	54.00	16.06	500.0	200.0	H	0.0	9.1
3488.500000	51.83	---	68.20	16.37	500.0	200.0	V	148.0	11.5
3987.250000	---	41.52	54.00	12.48	500.0	100.0	H	193.0	12.5
4777.375000	---	40.92	54.00	13.08	500.0	100.0	H	151.0	12.9
5760.000000	56.51	---	68.20	11.69	500.0	200.0	H	283.0	14.6
6946.500000	60.04	---	68.20	8.16	500.0	100.0	V	11.0	17.1
7321.000000	---	44.93	54.00	9.07	500.0	200.0	V	218.0	17.7



Final_Result

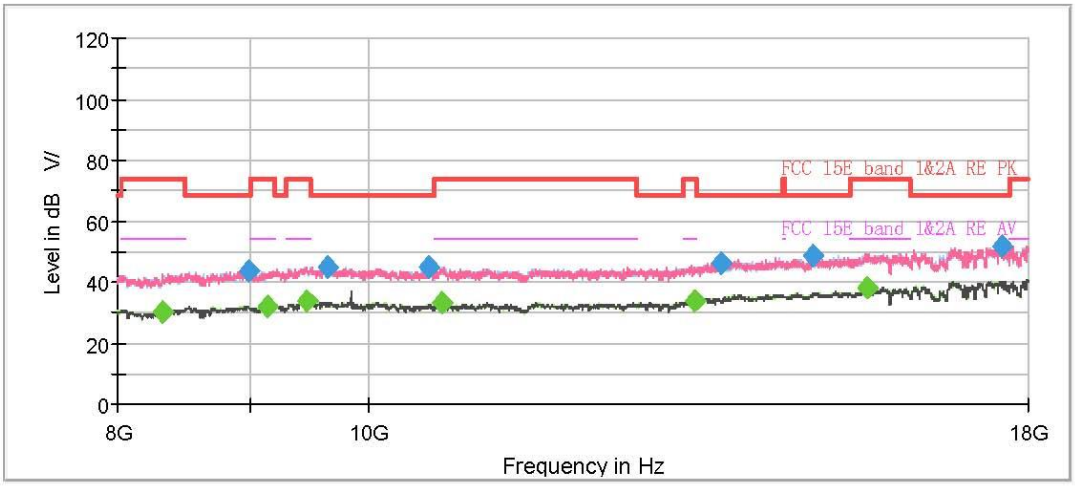
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8198.750000	---	30.31	54.00	23.69	500.0	200.0	V	17.0	-2.4
8913.750000	43.51	---	68.20	24.69	500.0	200.0	H	300.0	-1.3
9151.250000	---	32.14	54.00	21.86	500.0	200.0	H	0.0	-1.1
9470.000000	---	34.02	54.00	19.98	500.0	200.0	V	205.0	-0.1
9512.500000	45.42	---	68.20	22.78	500.0	200.0	H	255.0	-0.1
10532.500000	44.63	---	68.20	23.57	500.0	100.0	V	256.0	-1.0
10700.000000	---	33.41	54.00	20.59	500.0	100.0	V	230.0	-0.8
13376.250000	---	34.08	54.00	19.92	500.0	100.0	H	103.0	2.4
13672.500000	45.79	---	68.20	22.41	500.0	100.0	V	146.0	3.1
14886.250000	48.25	---	68.20	19.95	500.0	200.0	H	245.0	5.0
15575.000000	---	37.88	54.00	16.12	500.0	100.0	H	259.0	6.4
16846.250000	51.57	---	68.20	16.63	500.0	100.0	V	0.0	8.8

802.11ax HE80 CH58



Final_Result

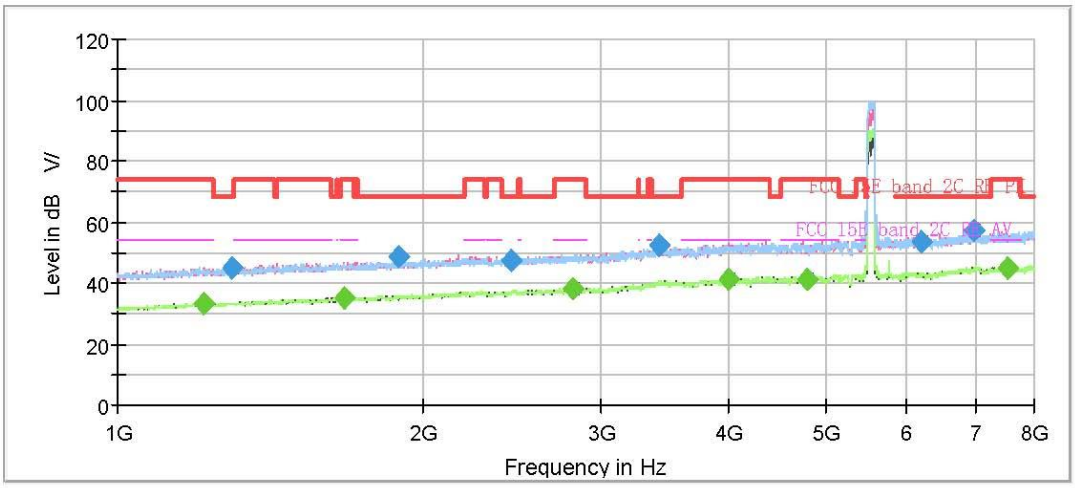
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1272.125000	44.69	---	68.20	23.51	500.0	100.0	V	130.0	3.0
1399.000000	---	34.05	54.00	19.95	500.0	200.0	V	169.0	3.8
1706.125000	---	35.52	54.00	18.48	500.0	200.0	V	43.0	5.3
1919.625000	47.64	---	68.20	20.56	500.0	100.0	H	188.0	6.1
2645.000000	49.33	---	68.20	18.87	500.0	200.0	H	150.0	8.6
2807.750000	---	37.95	54.00	16.05	500.0	100.0	V	206.0	9.1
3415.000000	53.37	---	68.20	14.83	500.0	200.0	V	347.0	11.3
3988.125000	---	41.17	54.00	12.83	500.0	100.0	H	142.0	12.5
4722.250000	---	40.84	54.00	13.16	500.0	100.0	H	117.0	13.2
5760.000000	56.02	---	68.20	12.18	500.0	200.0	H	263.0	14.6
7053.250000	59.07	---	68.20	9.13	500.0	100.0	V	24.0	17.3
7491.625000	---	44.83	54.00	9.17	500.0	200.0	V	179.0	17.6



Final_Result

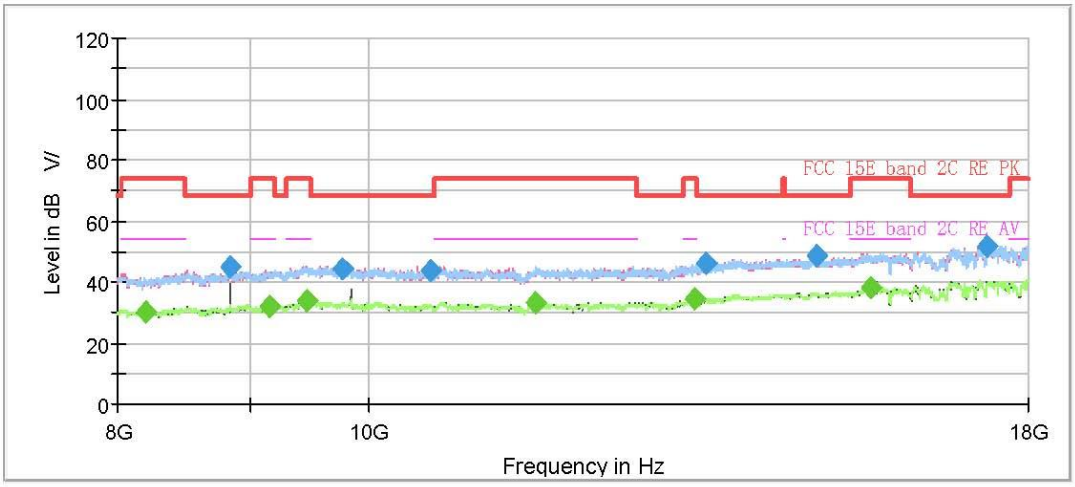
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8325.000000	---	30.31	54.00	23.69	500.0	100.0	H	287.0	-2.4
8988.750000	43.53	---	68.20	24.67	500.0	100.0	H	220.0	-1.3
9147.500000	---	32.08	54.00	21.92	500.0	200.0	V	0.0	-1.1
9465.000000	---	33.84	54.00	20.16	500.0	100.0	H	0.0	-0.1
9636.250000	44.90	---	68.20	23.30	500.0	200.0	V	182.0	-0.6
10561.250000	44.68	---	68.20	23.52	500.0	100.0	H	78.0	-0.9
10673.750000	---	33.42	54.00	20.58	500.0	200.0	H	335.0	-0.8
13381.250000	---	34.11	54.00	19.89	500.0	200.0	H	0.0	2.4
13685.000000	46.22	---	68.20	21.98	500.0	100.0	H	24.0	3.1
14858.750000	48.38	---	68.20	19.82	500.0	100.0	V	356.0	4.9
15586.250000	---	37.88	54.00	16.12	500.0	100.0	H	83.0	6.5
17586.250000	51.64	---	68.20	16.56	500.0	200.0	V	12.0	10.1

802.11ax HE80 CH106



Final_Result

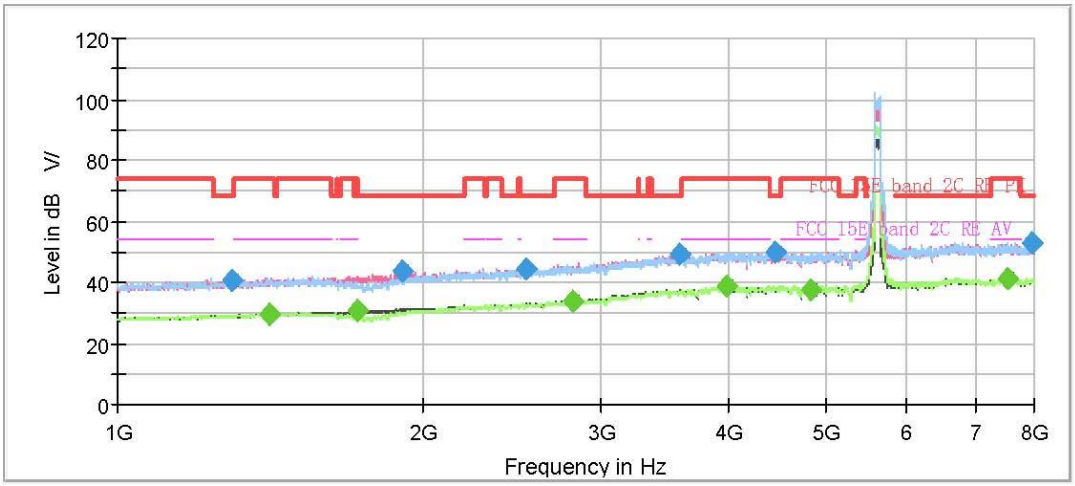
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1214.375000	---	32.93	54.00	21.07	500.0	200.0	V	196.0	2.7
1298.375000	44.68	---	68.20	23.52	500.0	100.0	H	149.0	3.2
1670.250000	---	35.36	54.00	18.64	500.0	100.0	V	185.0	5.2
1889.000000	48.41	---	68.20	19.79	500.0	200.0	H	4.0	6.0
2439.375000	47.30	---	68.20	20.90	500.0	100.0	V	55.0	8.3
2809.500000	---	37.87	54.00	16.13	500.0	100.0	V	199.0	9.1
3413.250000	52.02	---	68.20	16.18	500.0	200.0	H	321.0	11.3
3993.375000	---	41.30	54.00	12.70	500.0	100.0	V	226.0	12.6
4786.125000	---	41.06	54.00	12.94	500.0	100.0	V	5.0	12.9
6199.250000	53.45	---	68.20	14.75	500.0	100.0	V	70.0	15.0
6988.500000	57.34	---	68.20	10.86	500.0	200.0	V	249.0	17.2
7535.375000	---	44.86	54.00	9.14	500.0	100.0	V	170.0	17.8



Final_Result

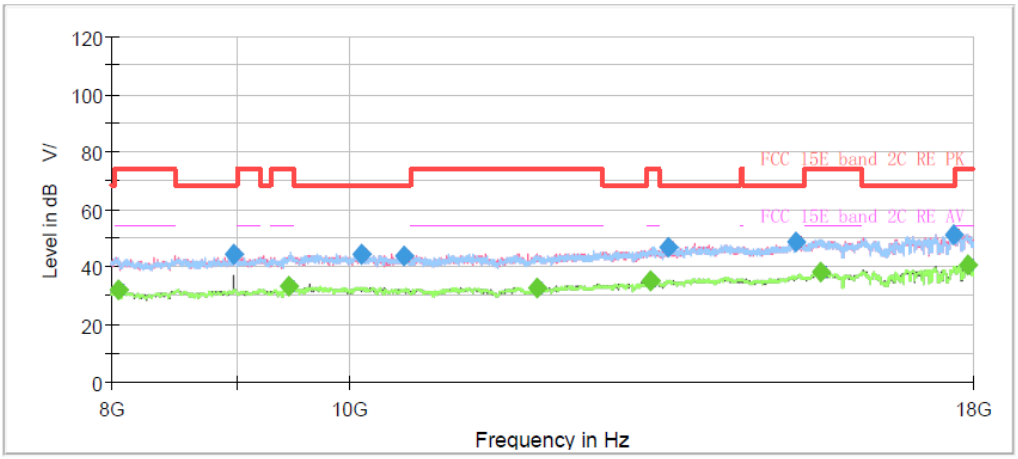
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8202.500000	---	29.95	54.00	24.05	500.0	200.0	V	319.0	-2.4
8847.500000	44.66	---	68.20	23.54	500.0	100.0	V	227.0	-1.4
9151.250000	---	32.26	54.00	21.74	500.0	200.0	H	201.0	-1.1
9468.750000	---	33.96	54.00	20.04	500.0	100.0	H	247.0	-0.1
9768.750000	44.52	---	68.20	23.69	500.0	100.0	V	32.0	-0.5
10568.750000	43.92	---	68.20	24.28	500.0	200.0	V	274.0	-0.9
11605.000000	---	33.36	54.00	20.64	500.0	100.0	H	116.0	-0.5
13385.000000	---	34.30	54.00	19.70	500.0	200.0	V	258.0	2.4
13503.750000	46.22	---	68.20	21.98	500.0	100.0	H	207.0	2.7
14897.500000	48.42	---	68.20	19.78	500.0	100.0	H	34.0	5.0
15637.500000	---	38.06	54.00	15.94	500.0	100.0	V	84.0	6.5
17360.000000	51.58	---	68.20	16.62	500.0	100.0	H	150.0	9.6

802.11ax HE80 CH122



Final_Result

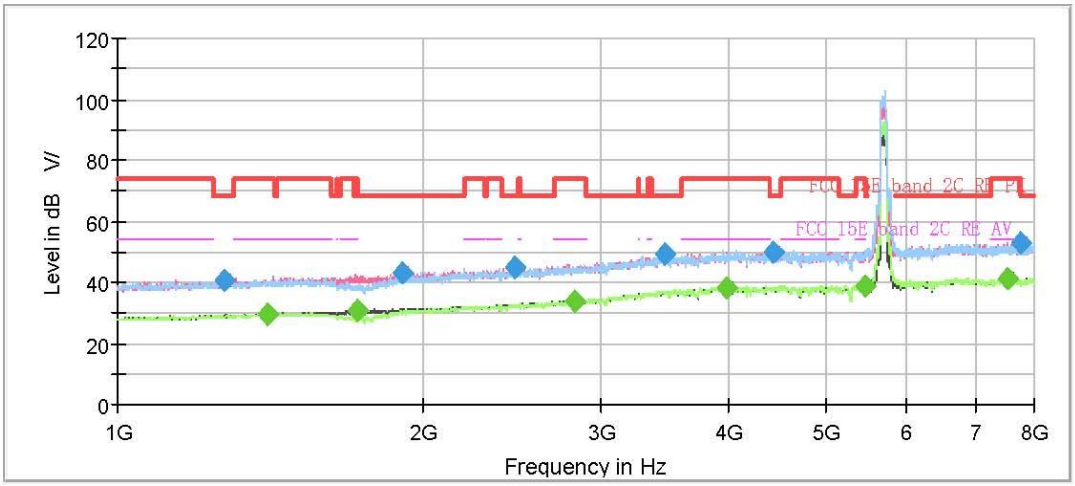
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1296.625000	40.33	---	68.20	27.87	500.0	100.0	H	187.0	-8.1
1411.250000	---	29.51	54.00	24.49	500.0	200.0	V	118.0	-7.4
1721.875000	---	30.51	54.00	23.49	500.0	100.0	V	93.0	-5.8
1906.500000	43.44	---	68.20	24.76	500.0	200.0	V	0.0	-4.9
2529.500000	44.52	---	68.20	23.68	500.0	100.0	H	325.0	-2.3
2811.250000	---	34.05	54.00	19.95	500.0	200.0	V	221.0	-1.3
3576.875000	49.27	---	68.20	18.93	500.0	100.0	H	280.0	1.5
3990.750000	---	38.68	54.00	15.32	500.0	100.0	H	315.0	2.9
4440.500000	49.63	---	68.20	18.57	500.0	200.0	H	7.0	3.9
4829.875000	---	37.80	54.00	16.20	500.0	100.0	V	170.0	4.5
7539.750000	---	41.26	54.00	12.74	500.0	200.0	V	83.0	7.4
7961.500000	52.79	---	68.20	15.41	500.0	100.0	H	133.0	8.3



Final_Result

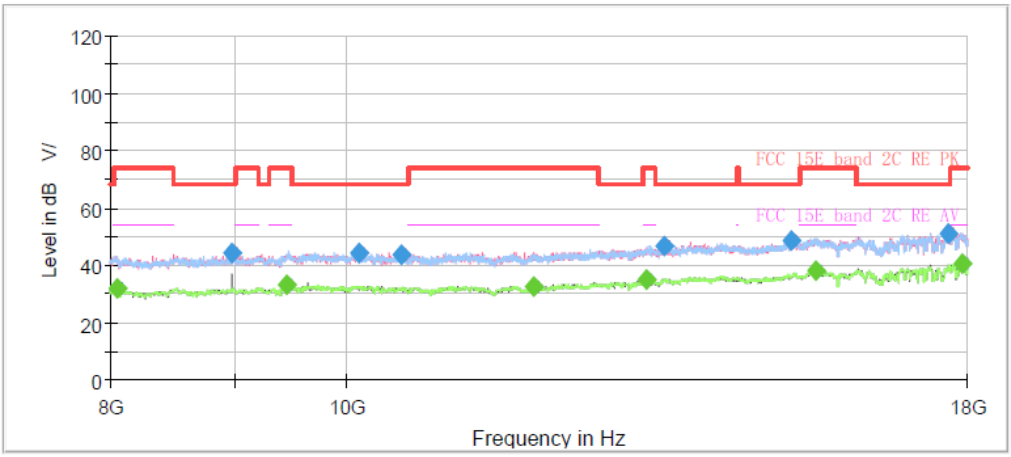
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8052.500000	---	31.83	54.00	22.17	500.0	200.0	H	151.0	-1.5
8975.000000	44.04	---	68.20	24.16	500.0	100.0	V	256.0	-1.4
9460.000000	---	33.00	54.00	21.00	500.0	200.0	H	19.0	-0.3
10115.000000	44.39	---	68.20	23.81	500.0	100.0	V	77.0	-0.8
10530.000000	43.41	---	68.20	24.79	500.0	200.0	V	221.0	-0.9
11941.250000	---	32.90	54.00	21.10	500.0	200.0	V	0.0	0.3
13296.250000	---	35.21	54.00	18.79	500.0	100.0	V	118.0	3.3
13505.000000	46.85	---	68.20	21.35	500.0	100.0	H	162.0	3.5
15223.750000	48.33	---	68.20	19.87	500.0	200.0	H	0.0	5.7
15585.000000	---	38.07	54.00	15.93	500.0	200.0	V	331.0	6.7
17675.000000	51.19	---	68.20	17.01	500.0	100.0	V	261.0	10.2
17906.250000	---	40.45	54.00	13.55	500.0	100.0	H	101.0	10.2

802.11ax HE80 CH138



Final_Result

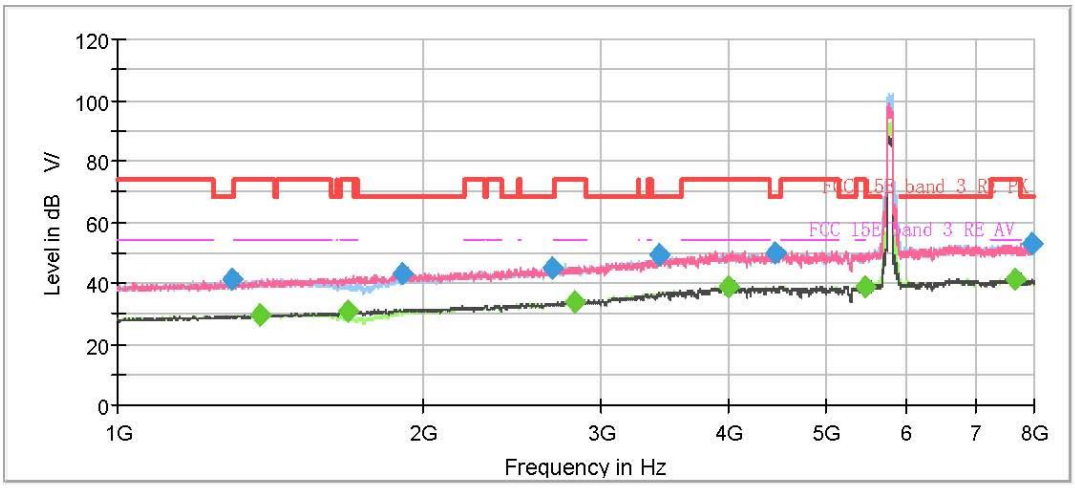
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1274.750000	40.71	---	68.20	27.49	500.0	200.0	V	0.0	-8.2
1405.125000	---	29.56	54.00	24.44	500.0	100.0	V	115.0	-7.4
1721.875000	---	30.76	54.00	23.24	500.0	200.0	V	312.0	-5.8
1910.875000	43.26	---	68.20	24.94	500.0	100.0	V	146.0	-4.9
2462.125000	45.06	---	68.20	23.14	500.0	100.0	V	0.0	-2.6
2823.500000	---	34.13	54.00	19.87	500.0	100.0	V	0.0	-1.3
3467.500000	49.27	---	68.20	18.93	500.0	100.0	V	176.0	1.2
3990.750000	---	38.38	54.00	15.62	500.0	200.0	H	179.0	2.9
4424.750000	50.08	---	68.20	18.12	500.0	100.0	H	169.0	3.9
5453.750000	---	38.88	54.00	15.12	500.0	100.0	H	288.0	6.0
7533.625000	---	41.36	54.00	12.64	500.0	200.0	H	8.0	7.4
7763.750000	53.02	---	68.20	15.18	500.0	100.0	V	90.0	7.9



Final_Result

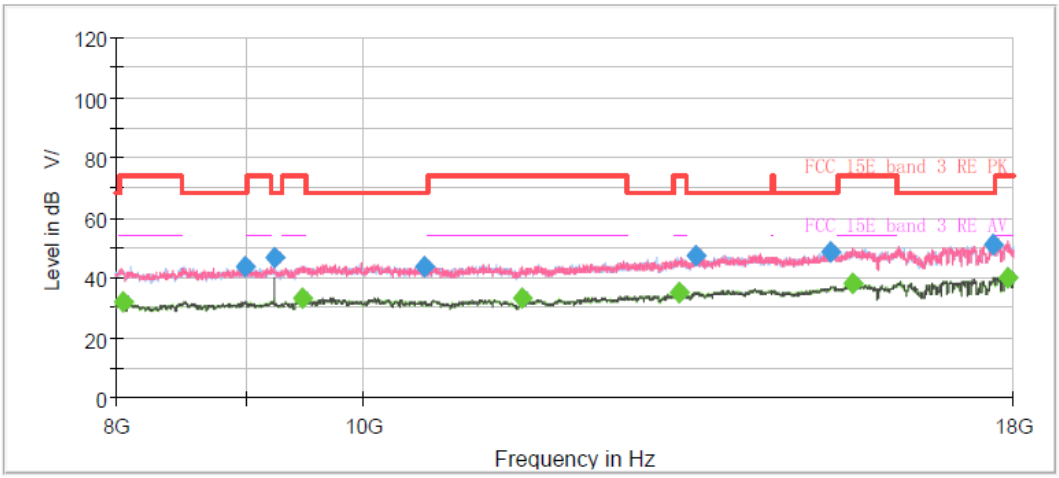
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8052.500000	---	31.83	54.00	22.17	500.0	200.0	H	151.0	-1.5
8975.000000	44.04	---	68.20	24.16	500.0	100.0	V	256.0	-1.4
9460.000000	---	33.00	54.00	21.00	500.0	200.0	H	19.0	-0.3
10115.000000	44.39	---	68.20	23.81	500.0	100.0	V	77.0	-0.8
10530.000000	43.41	---	68.20	24.79	500.0	200.0	V	221.0	-0.9
11941.250000	---	32.90	54.00	21.10	500.0	200.0	V	0.0	0.3
13296.250000	---	35.21	54.00	18.79	500.0	100.0	V	118.0	3.3
13505.000000	46.85	---	68.20	21.35	500.0	100.0	H	162.0	3.5
15223.750000	48.33	---	68.20	19.87	500.0	200.0	H	0.0	5.7
15585.000000	---	38.07	54.00	15.93	500.0	200.0	V	331.0	6.7
17675.000000	51.19	---	68.20	17.01	500.0	100.0	V	261.0	10.2
17906.250000	---	40.45	54.00	13.55	500.0	100.0	H	101.0	10.2

802.11ax HE80 CH155



Final_Result

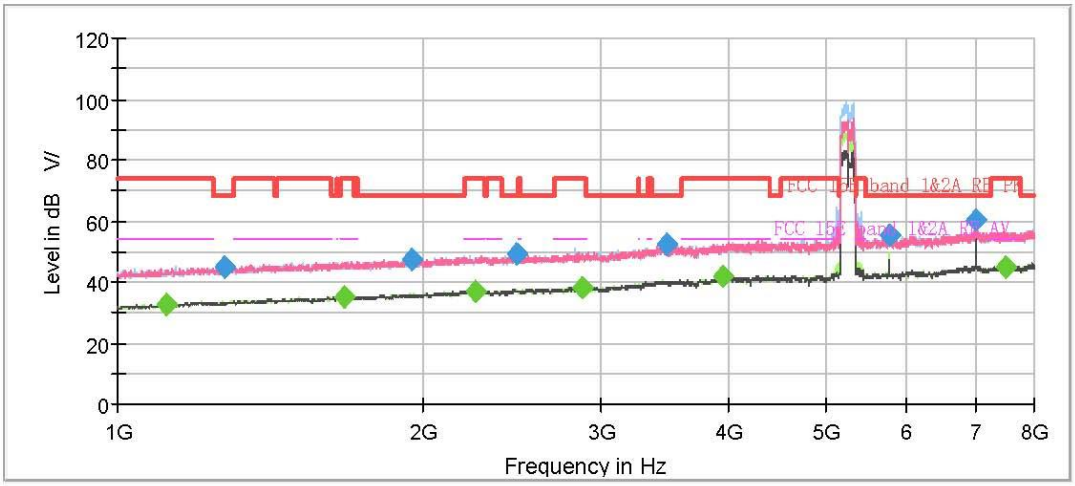
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1295.750000	40.93	---	68.20	27.27	500.0	200.0	H	334.0	-8.1
1381.500000	---	29.77	54.00	24.23	500.0	200.0	V	134.0	-7.5
1689.500000	---	30.74	54.00	23.26	500.0	100.0	V	195.0	-5.9
1906.500000	42.97	---	68.20	25.23	500.0	100.0	V	321.0	-4.9
2678.250000	45.23	---	68.20	22.97	500.0	200.0	H	283.0	-1.9
2819.125000	---	34.02	54.00	19.98	500.0	200.0	H	353.0	-1.3
3411.500000	48.95	---	68.20	19.25	500.0	100.0	H	179.0	1.0
3991.625000	---	38.78	54.00	15.22	500.0	100.0	V	273.0	2.9
4447.500000	49.98	---	68.20	18.22	500.0	100.0	V	48.0	3.9
5449.375000	---	38.70	54.00	15.30	500.0	100.0	H	0.0	5.9
7674.500000	---	41.26	54.00	12.74	500.0	100.0	V	180.0	7.8
7971.125000	53.17	---	68.20	15.03	500.0	100.0	V	297.0	8.4



Final_Result

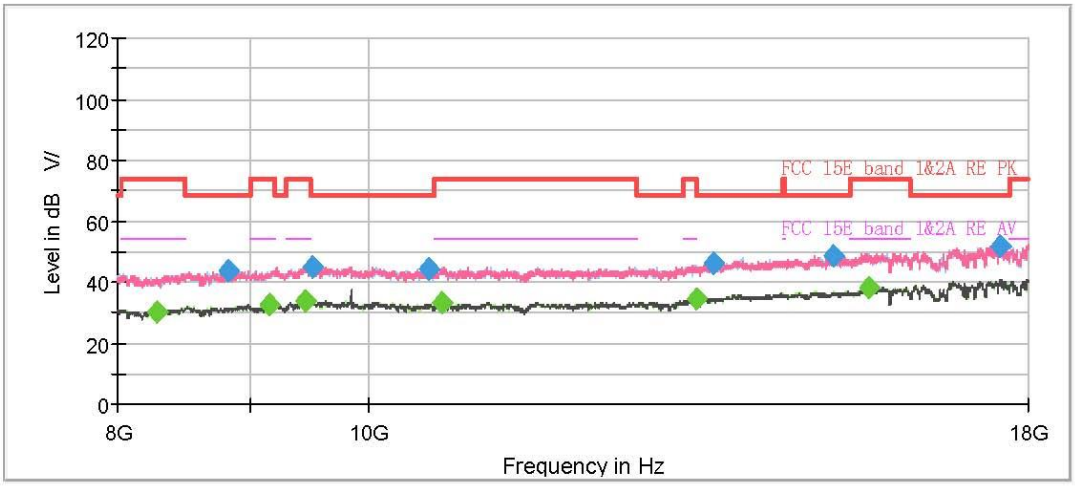
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8051.250000	---	32.01	54.00	21.99	500.0	200.0	H	81.0	-1.5
8990.000000	43.90	---	68.20	24.30	500.0	100.0	V	170.0	-1.4
9240.000000	46.61	---	68.20	21.59	500.0	100.0	V	265.0	-0.9
9468.750000	---	33.25	54.00	20.75	500.0	100.0	V	255.0	-0.3
10578.750000	43.59	---	68.20	24.61	500.0	100.0	H	28.0	-0.8
11550.000000	---	33.21	54.00	20.79	500.0	100.0	V	220.0	-0.2
13317.500000	---	35.15	54.00	18.85	500.0	100.0	H	267.0	3.3
13507.500000	47.24	---	68.20	20.96	500.0	200.0	H	149.0	3.5
15261.250000	48.77	---	68.20	19.43	500.0	200.0	V	103.0	5.9
15567.500000	---	38.11	54.00	15.89	500.0	100.0	H	299.0	6.6
17682.500000	51.32	---	68.20	16.88	500.0	200.0	V	9.0	10.2
17905.000000	---	40.26	54.00	13.74	500.0	100.0	V	335.0	10.2

802.11ax HE160 CH50



Final_Result

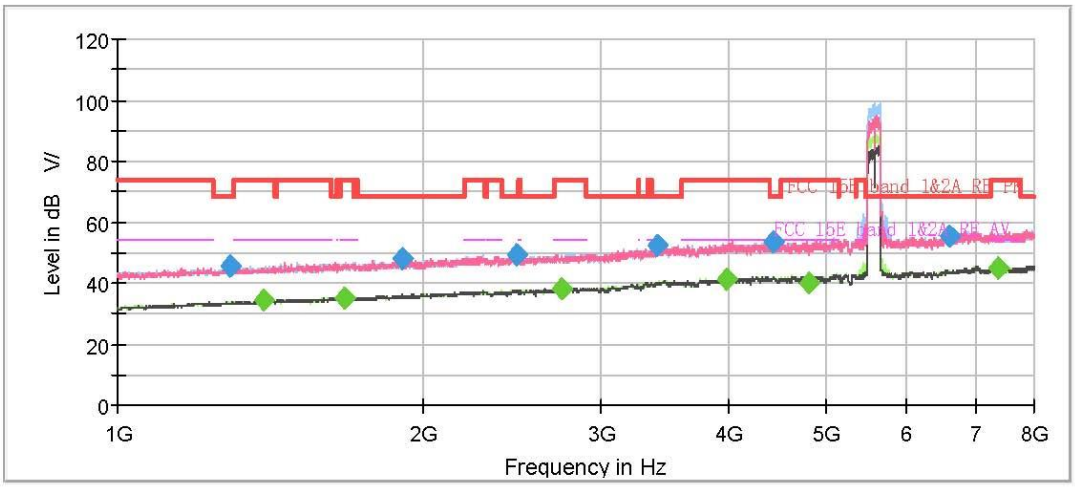
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1116.375000	---	32.46	54.00	21.54	500.0	100.0	V	222.0	1.5
1273.875000	45.21	---	68.20	22.99	500.0	200.0	H	0.0	3.0
1674.625000	---	35.21	54.00	18.79	500.0	200.0	H	284.0	5.2
1949.375000	47.31	---	68.20	20.89	500.0	100.0	H	24.0	6.3
2255.625000	---	36.72	54.00	17.28	500.0	200.0	H	144.0	7.8
2476.125000	49.11	---	68.20	19.09	500.0	200.0	V	71.0	8.4
2867.250000	---	37.98	54.00	16.02	500.0	100.0	H	100.0	9.2
3476.250000	52.15	---	68.20	16.05	500.0	100.0	V	0.0	11.5
3941.750000	---	41.62	54.00	12.38	500.0	100.0	H	34.0	12.3
5760.000000	55.65	---	68.20	12.55	500.0	100.0	H	348.0	14.6
7000.750000	60.40	---	68.20	7.80	500.0	100.0	H	348.0	17.3
7518.750000	---	45.02	54.00	8.98	500.0	100.0	V	338.0	17.7



Final_Result

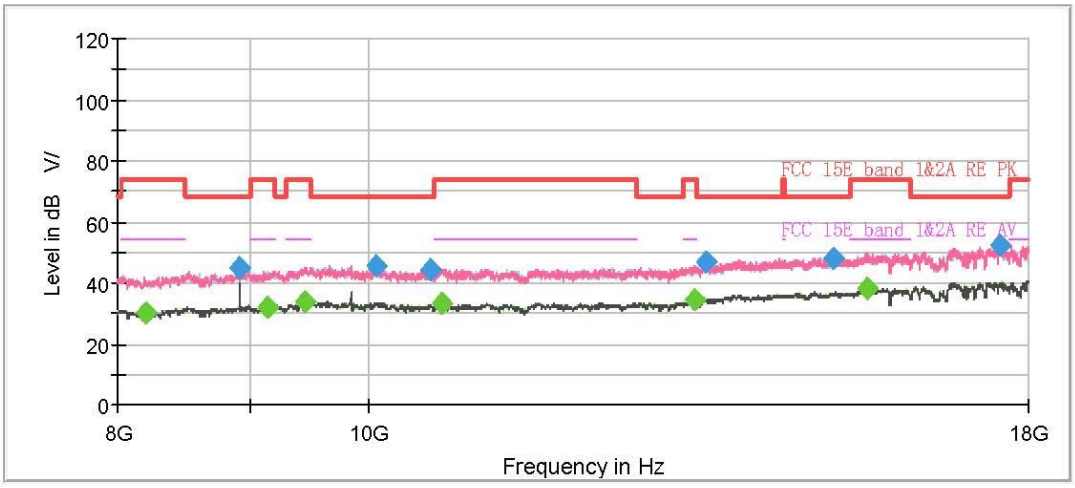
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8280.000000	---	29.94	54.00	24.06	500.0	200.0	H	194.0	-2.5
8833.750000	43.42	---	68.20	24.78	500.0	200.0	H	256.0	-1.4
9153.750000	---	32.40	54.00	21.60	500.0	100.0	V	302.0	-1.1
9451.250000	---	33.87	54.00	20.13	500.0	200.0	H	0.0	-0.3
9517.500000	45.17	---	68.20	23.03	500.0	100.0	V	176.0	-0.1
10558.750000	44.47	---	68.20	23.73	500.0	200.0	V	136.0	-0.9
10671.250000	---	33.43	54.00	20.57	500.0	100.0	V	196.0	-0.8
13400.000000	---	34.50	54.00	19.50	500.0	200.0	V	299.0	2.4
13593.750000	46.31	---	68.20	21.89	500.0	200.0	H	292.0	3.0
15123.750000	48.59	---	68.20	19.61	500.0	200.0	V	17.0	5.1
15608.750000	---	38.09	54.00	15.91	500.0	100.0	H	258.0	6.5
17560.000000	51.91	---	68.20	16.29	500.0	200.0	H	148.0	10.0

802.11ax HE160 CH114



Final_Result

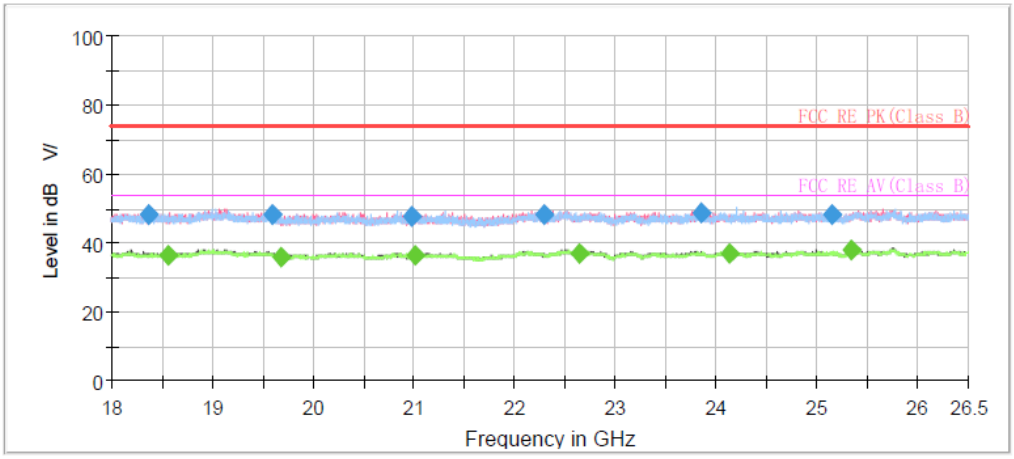
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1293.125000	45.51	---	68.20	22.69	500.0	100.0	V	57.0	3.2
1393.750000	---	34.40	54.00	19.60	500.0	200.0	H	72.0	3.8
1671.125000	---	35.38	54.00	18.62	500.0	200.0	H	202.0	5.2
1907.375000	47.84	---	68.20	20.36	500.0	200.0	V	46.0	6.1
2474.375000	48.93	---	68.20	19.27	500.0	200.0	V	1.0	8.4
2740.375000	---	38.12	54.00	15.88	500.0	100.0	V	187.0	8.8
3400.125000	52.34	---	68.20	15.86	500.0	200.0	V	217.0	11.2
3988.125000	---	41.50	54.00	12.50	500.0	100.0	H	179.0	12.5
4430.875000	53.25	---	68.20	14.95	500.0	100.0	H	110.0	12.7
4810.625000	---	40.15	54.00	13.85	500.0	100.0	H	41.0	12.8
6599.125000	55.69	---	68.20	12.51	500.0	100.0	V	109.0	15.9
7379.625000	---	44.92	54.00	9.08	500.0	200.0	H	245.0	17.8



Final_Result

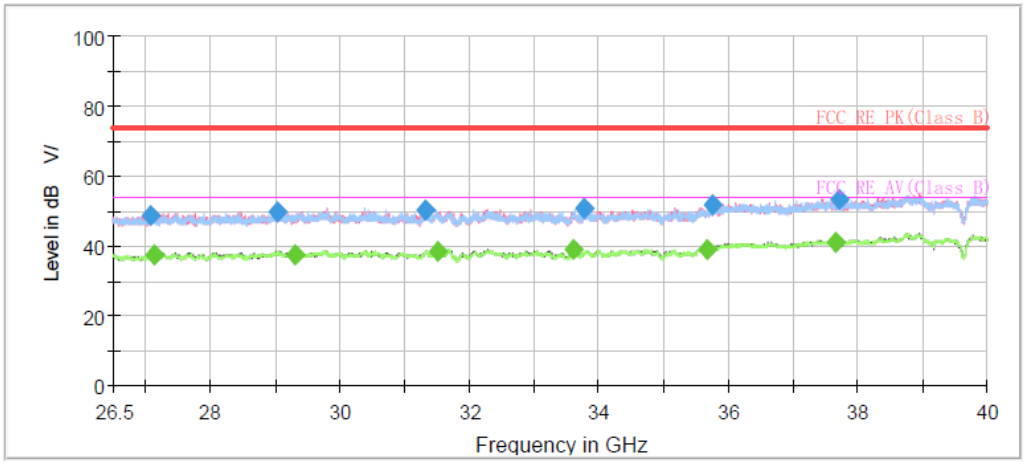
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8202.500000	---	30.05	54.00	23.95	500.0	100.0	H	117.0	-2.4
8911.250000	44.95	---	68.20	23.25	500.0	100.0	V	226.0	-1.3
9145.000000	---	32.21	54.00	21.79	500.0	100.0	H	43.0	-1.1
9453.750000	---	34.06	54.00	19.94	500.0	200.0	H	249.0	-0.3
10078.750000	45.38	---	68.20	22.82	500.0	200.0	H	239.0	-0.7
10575.000000	44.36	---	68.20	23.84	500.0	100.0	H	238.0	-0.9
10682.500000	---	33.51	54.00	20.49	500.0	100.0	H	326.0	-0.8
13380.000000	---	34.30	54.00	19.70	500.0	100.0	V	53.0	2.4
13515.000000	46.52	---	68.20	21.68	500.0	200.0	H	142.0	2.8
15135.000000	48.03	---	68.20	20.17	500.0	100.0	V	343.0	5.2
15586.250000	---	37.98	54.00	16.02	500.0	200.0	H	358.0	6.5
17562.500000	52.07	---	68.20	16.13	500.0	200.0	V	113.0	10.0

During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11ac VHT 80, Channel 42 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18368.687500	48.30	---	74.00	25.70	500.0	200.0	V	181.0	-4.2
18559.937500	---	36.52	54.00	17.48	500.0	100.0	V	305.0	-4.3
19593.750000	48.26	---	74.00	25.74	500.0	100.0	V	138.0	-4.4
19690.437500	---	36.02	54.00	17.98	500.0	200.0	V	117.0	-4.5
20972.875000	47.57	---	74.00	26.43	500.0	100.0	V	134.0	-3.8
21022.812500	---	36.38	54.00	17.62	500.0	100.0	V	254.0	-3.8
22301.000000	48.13	---	74.00	25.87	500.0	200.0	V	10.0	-2.6
22637.812500	---	36.88	54.00	17.12	500.0	100.0	V	323.0	-2.4
23856.500000	48.71	---	74.00	25.29	500.0	200.0	H	329.0	-1.9
24135.937500	---	36.96	54.00	17.04	500.0	200.0	V	327.0	-1.9
25150.625000	48.15	---	74.00	25.85	500.0	100.0	H	113.0	-1.4
25349.312500	---	37.75	54.00	16.25	500.0	200.0	V	359.0	-1.2



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
27090.625000	48.83	---	74.00	25.17	500.0	200.0	H	67.0	0.3
27139.562500	---	37.56	54.00	16.44	500.0	200.0	V	12.0	0.3
29044.750000	49.52	---	74.00	24.48	500.0	200.0	H	320.0	1.0
29304.625000	---	37.53	54.00	16.47	500.0	100.0	H	185.0	1.1
31327.937500	50.01	---	74.00	23.99	500.0	100.0	V	0.0	0.0
31525.375000	---	38.67	54.00	15.33	500.0	200.0	V	59.0	-0.1
33612.812500	---	38.93	54.00	15.07	500.0	200.0	V	107.0	0.4
33766.375000	51.02	---	74.00	22.98	500.0	100.0	H	322.0	0.4
35666.500000	---	39.17	54.00	14.83	500.0	200.0	V	237.0	2.6
35764.375000	51.54	---	74.00	22.46	500.0	200.0	V	0.0	2.9
37651.000000	---	41.28	54.00	12.73	500.0	200.0	V	45.0	5.3
37711.750000	53.10	---	74.00	20.90	500.0	200.0	V	98.0	5.3

5.6. Conducted Emission

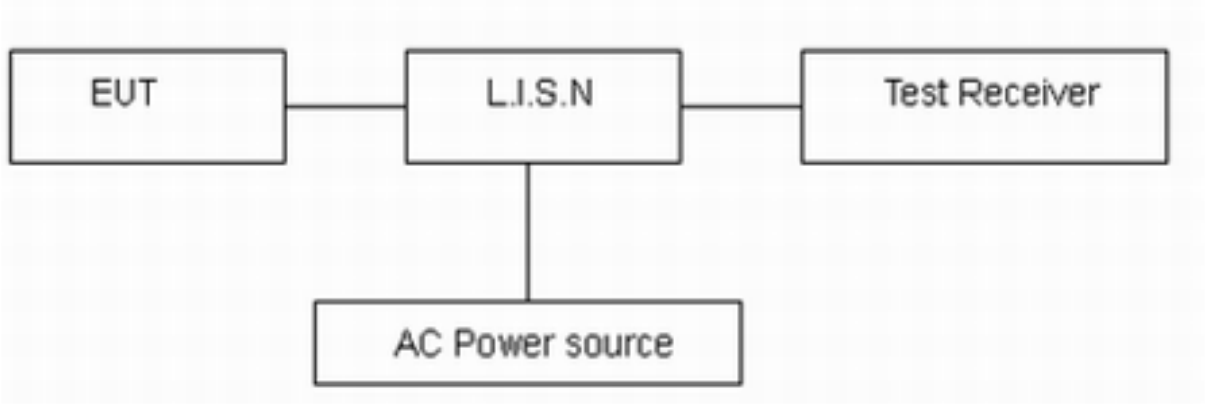
Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

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 LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, 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

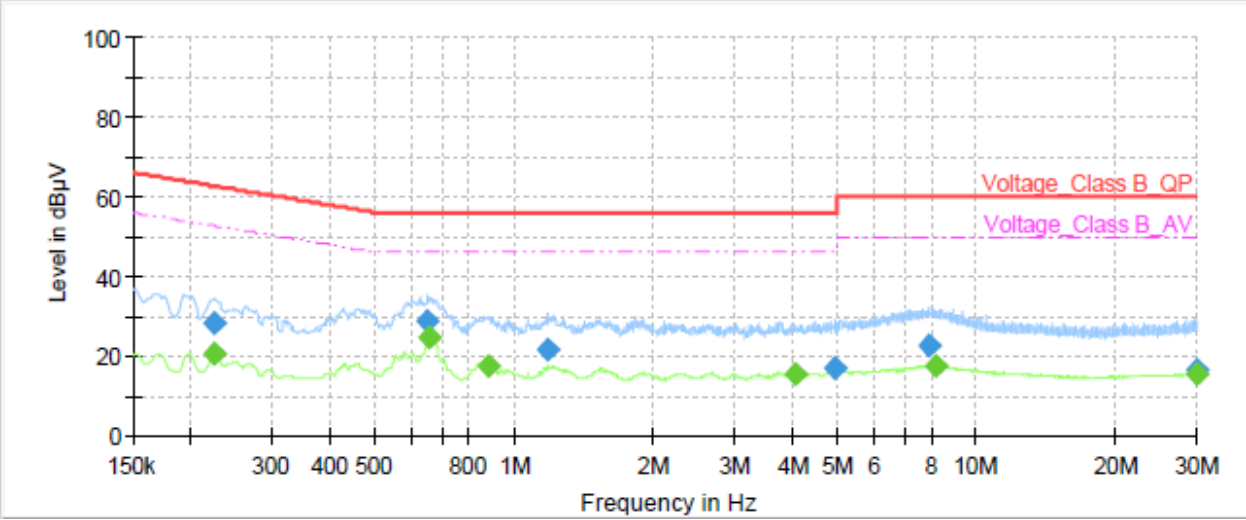
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

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:

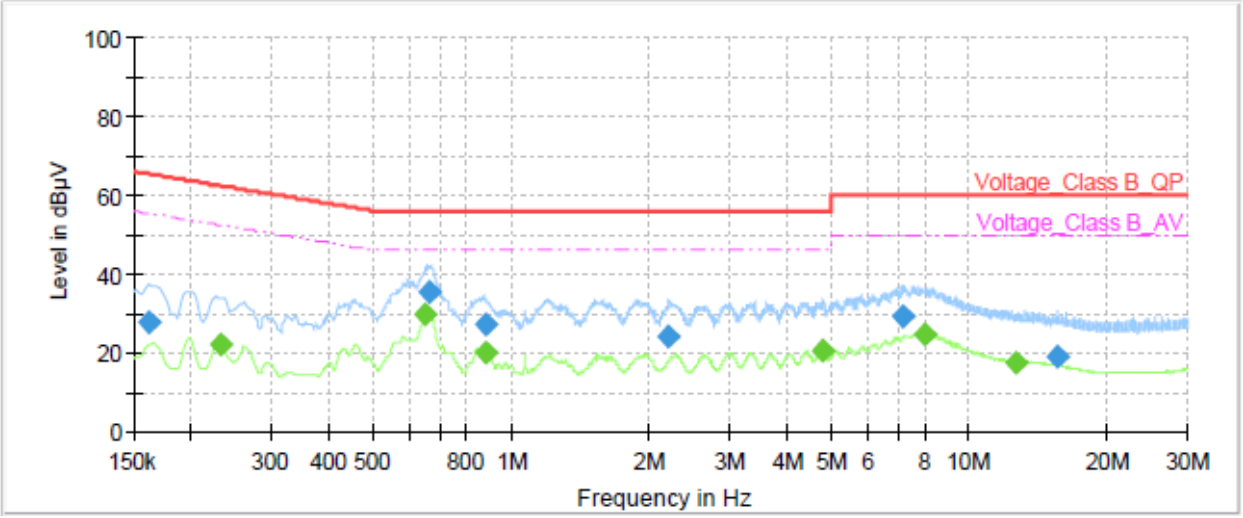
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11ac VHT 80, Channel 42 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.22	---	20.27	52.66	32.39	1000.0	9.000	L1	ON	21.1
0.22	28.28	---	62.66	34.38	1000.0	9.000	L1	ON	21.1
0.65	28.73	---	56.00	27.27	1000.0	9.000	L1	ON	20.7
0.66	---	24.78	46.00	21.22	1000.0	9.000	L1	ON	20.7
0.88	---	17.28	46.00	28.72	1000.0	9.000	L1	ON	20.3
1.18	21.29	---	56.00	34.71	1000.0	9.000	L1	ON	20.1
4.06	---	15.57	46.00	30.43	1000.0	9.000	L1	ON	19.5
4.94	16.75	---	56.00	39.25	1000.0	9.000	L1	ON	19.5
7.91	22.44	---	60.00	37.56	1000.0	9.000	L1	ON	19.5
8.20	---	17.21	50.00	32.79	1000.0	9.000	L1	ON	19.5
29.86	---	15.57	50.00	34.43	1000.0	9.000	L1	ON	19.7
29.97	16.27	---	60.00	43.73	1000.0	9.000	L1	ON	19.7

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.16	27.85	---	65.40	37.55	1000.0	9.000	N	ON	21.0
0.23	---	22.06	52.41	30.35	1000.0	9.000	N	ON	21.1
0.65	---	29.82	46.00	16.18	1000.0	9.000	N	ON	20.7
0.66	35.58	---	56.00	20.42	1000.0	9.000	N	ON	20.7
0.88	---	19.84	46.00	26.16	1000.0	9.000	N	ON	20.3
0.88	27.08	---	56.00	28.92	1000.0	9.000	N	ON	20.3
2.22	24.25	---	56.00	31.75	1000.0	9.000	N	ON	19.7
4.77	---	20.43	46.00	25.57	1000.0	9.000	N	ON	19.5
7.18	29.02	---	60.00	30.98	1000.0	9.000	N	ON	19.5
8.04	---	24.62	50.00	25.38	1000.0	9.000	N	ON	19.5
12.67	---	17.63	50.00	32.37	1000.0	9.000	N	ON	19.6
15.56	19.01	---	60.00	40.99	1000.0	9.000	N	ON	19.7

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	2024-05-07	2025-05-06
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2024-05-07	2025-05-06
DC Power Supply	UNI-T	UTP1306S+	2205D0517426	2023-12-05	2024-12-04
Climate Chamber	ESPEC	SU-242	93000506	2023-12-05	2024-12-04
Vector Signal Generator	KEYSIGHT	N5182B	MY51350303	2023-12-05	2024-12-04
EMI Test Receiver	R&S	ESR	102389	2024-05-07	2025-05-06
EMI Test Receiver	R&S	ESCI3	100948	2024-05-07	2025-05-06
Signal Analyzer	R&S	FSV40	101298	2024-05-07	2025-05-06
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
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
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Horn Antenna	STEATITE	QSH-SL-26-40 -K-15	16779	2023-01-17	2026-01-16
Software	R&S	EMC32	9.26.01	/	/
Artificial main network	R&S	ENV216	102191	2022-12-10	2024-12-09
EMI Test Receiver	R&S	ESR	101667	2024-05-07	2025-05-06
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 ********