

Fig. 122 AC Power line Conducted Emission (802.11n, AE1, 120V)

Measurement Result: Quasi Peak

Frequency (MHz)	Quasi Peak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	40.60	65.57	24.97	N	ON	9.6
0.606000	42.41	56.00	13.59	N	ON	9.7
0.974000	37.77	56.00	18.23	N	ON	9.7
1.430000	37.34	56.00	18.66	N	ON	9.7
2.674000	34.96	56.00	21.04	N	ON	9.7
4.474000	34.52	56.00	21.48	N	ON	9.7

Measurement Result: Average

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.406000	26.32	47.73	21.41	N	ON	9.7
0.610000	30.52	46.00	15.48	N	ON	9.7
0.882000	27.72	46.00	18.28	N	ON	9.7
1.470000	27.29	46.00	18.71	N	ON	9.7
2.666000	26.98	46.00	19.02	N	ON	9.7
4.474000	26.20	46.00	19.80	N	ON	9.7

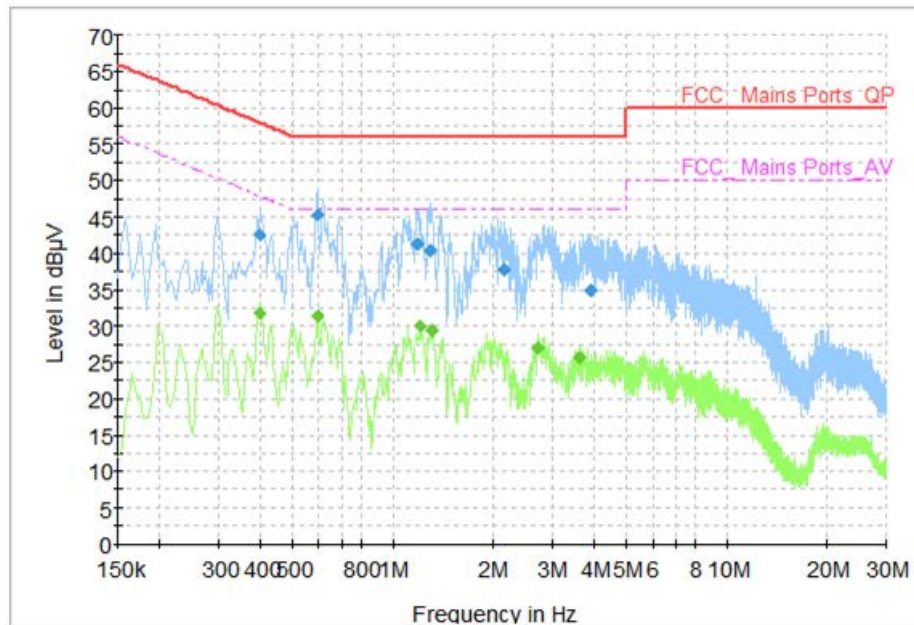


Fig. 123 AC Power line Conducted Emission (Idle, AE1, 120V)

Measurement Result: Quasi Peak

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.398000	42.53	57.90	15.36	N	ON	9.6
0.590000	45.25	56.00	10.75	N	ON	9.7
1.186000	41.31	56.00	14.69	N	ON	9.7
1.294000	40.46	56.00	15.54	N	ON	9.7
2.162000	37.66	56.00	18.34	N	ON	9.7
3.922000	35.00	56.00	21.00	N	ON	9.7

Measurement Result: Average

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.398000	31.82	47.90	16.07	N	ON	9.6
0.590000	31.43	46.00	14.57	N	ON	9.7
1.202000	30.01	46.00	15.99	N	ON	9.7
1.302000	29.44	46.00	16.56	N	ON	9.7
2.718000	26.94	46.00	19.06	N	ON	9.7
3.618000	25.61	46.00	20.39	N	ON	9.7

A.11. Frequency Stability

Manufacturers ensured the EUT meet the requirement of frequency stability, such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

Measurement Result:

Mode	Channel	Condition		Frequency	Conclusion
802.11a	5180 MHz (CH36)	T nom	V nom	5179.9831	P
		T max	V nom	5179.9853	P
		T min	V nom	5179.9845	P
		T nom	V max	5179.9831	P
		T nom	V min	5179.9773	P
802.11n HT40	5550 MHz (CH110)	T nom	V nom	5549.9131	P
		T max	V nom	5549.9638	P
		T min	V nom	5549.9684	P
		T nom	V max	5549.9658	P
		T nom	V min	5549.9652	P
802.11ac VHT80	5690 MHz (CH138)	T nom	V nom	5689.9831	P
		T max	V nom	5689.9752	P
		T min	V nom	5689.9754	P
		T nom	V max	5689.9842	P
		T nom	V min	5689.9753	P

A.12. Power control

A Transmission Power Control mechanism is not required for systems with an e.i.r.p. of less than 27dBm (500mW).

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