

Test Result of **Harmonic** and **Spurious** Radiated Emissions

EUT's transmit only

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarizations, EUT orientation, etc. are recorded on the following.

FCC ID : PGCWL-2111

Test Conditions: Testing room : Temperature : 24 ° C Humidity : 64 % RH

Testing site : Temperature : 27° C Humidity : 75 % RH

Detector mode: Peak

Table 1 Radiated Emissions for above 1GHz [CH 1, Horizontal]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBm V/m)	FCC Class B (3 m)	
Frequency (GHz)	Amplitude (dBm V/m)	Ant. H. (m)	Table (°)			Limit (dBm V/m)	Margin (dB)
4.063	55.24	1.00	254	-5.64	49.60	53.95	-4.35
4.822	43.37	1.00	321	3.91	47.28	53.95	-6.67
6.100	38.18	1.00	24	9.72	47.90	53.95	-6.05
7.233	39.43	1.00	57	9.72	49.15	53.95	-4.80

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude + Correction Factor = Corrected

***Above emissions of 10GHz, they are all under the limits more than 20dB in Test Site.**

Detector mode: Peak

Table 2 Radiated Emissions For above 1GHz [CH 1, Vertical]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBm V/m)	FCC Class B (3 m)	
Frequency (GHz)	Amplitude (dBm V/m)	Ant. H. (m)	Table (°)			Limit (dBm V/m)	Margin (dB)
4.063	55.69	1.00	25	-5.64	50.05	53.95	-3.90
4.822	48.11	1.00	214	3.91	52.02	53.95	-1.93
6.100	38.83	1.00	132	9.72	48.55	53.95	-5.40
7.233	41.66	1.00	154	9.72	51.38	53.95	-2.57

***Above emissions of 10GHz, they are all under the limits more than 20dB in Test Site.**

Detector mode: Peak

Table 3 Radiated Emissions For above 1GHz [CH 6, Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (GHz)	Amplitude (dBm V/m)	Ant. H. (m)	Table (°)			Limit (dBm V/m)	Margin (dB)
4.118	45.81	1.00	317	3.91	49.72	53.95	-4.23
4.872	42.71	1.00	12	3.91	46.62	53.95	-7.33

***Above emissions of 10GHz, they are all under the limits more than 20dB in Test Site.**

Detector mode: Peak

Table 4 Radiated Emissions For above 1GHz [CH 6, Vertical]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBm V/m)	FCC Class B (3 m)	
Frequency (GHz)	Amplitude (dBm V/m)	Ant. H. (m)	Table (°)			Limit (dBm V/m)	Margin (dB)
4.118	45.87	1.00	24	3.91	49.78	53.95	-4.17
4.872	46.40	1.00	54	3.91	50.31	53.95	-3.64
6.180	40.11	1.00	298	9.72	49.83	53.95	-4.12
8.250	43.05	1.00	224	9.72	52.77	53.95	-1.18

***Above emissions of 10GHz, they are all under the limits more than 20dB in Test Site.**

Detector mode: Peak

Table 5 Radiated Emissions For above 1GHz [CH 11, Horizontal]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBm V/m)	FCC Class B (3 m)	
Frequency (GHz)	Amplitude (dBm V/m)	Ant. H. (m)	Table (°)			Limit (dBm V/m)	Margin (dB)
4.172	44.33	1.00	241	3.91	48.24	53.95	-5.71
4.922	47.49	1.00	35	3.91	51.40	53.95	-2.55
6.252	39.03	1.00	342	9.72	48.75	53.95	-5.20
8.343	38.43	1.00	258	9.72	48.15	53.95	-5.80
9.844	41.09	1.00	66	9.72	50.81	53.95	-3.14

***Above emissions of 10GHz, they are all under the limits more than 20dB in Test Site.**

Detector mode: Peak

Table 6 Radiated Emissions For above 1GHz [CH 11, Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (GHz)	Amplitude (dBm V/m)	Ant. H. (m)	Table (°)			Limit (dBm V/m)	Margin (dB)
4.172	48.12	1.00	214	3.91	52.03	53.95	-1.92
4.922	49.50	1.00	12	3.91	53.41	53.95	-0.54
6.252	40.12	1.00	37	9.72	49.84	53.95	-4.11
8.343	41.24	1.00	149	9.72	50.96	53.95	-2.99
9.844	42.89	1.00	178	9.72	52.61	53.95	-1.34

***Above emissions of 10GHz, they are all under the limits more than 20dB in Test Site.**