



6.2 Peak Power Spectral Density [Section 15.407(a)(1)(2)(3)]

6.2.1 Test Procedure

1. The Transmitter output of EUT was connected to the spectrum analyzer.
 Equipment mode: Spectrum analyzer
 Detector function: Peak mode
 SPAN: 30MHz or 50MHz
 RBW: 1MHz
 VBW: 3MHz
 Center frequency: fundamental frequency tested.
 Sweep time= 30 or 50 sec.
2. Using Peak Search to read the peak power after Maximum Hold function is completed.

6.2.2 Test Setup



6.2.3 Test Data: (Normal Mode)

Maximum Peak Output Power Density

Chennel	Frequency (MHz)	spectrum Reading (dBm)	Cable loss(dB)	Peak Power Output (dBm/MHz)	Limit (dBm/MHz)	Pass/Fail
1	5180	0.41	1.28	1.69	4	Pass
4	5240	0.12	1.28	1.40	4	Pass
5	5260	0.46	1.28	1.74	11	Pass
8	5320	0.19	1.28	1.47	11	Pass
9	5745	-2.00	1.28	-0.72	17	Pass
12	5805	-1.11	1.28	0.17	17	Pass

6.2.4 Test Data: (Turbo Mode)

Maximum Peak Output Power Density

Chennel	Frequency (MHz)	spectrum Reading (dBm)	Cable loss(dB)	Peak Power Output (dBm/MHz)	Limit (dBm/MHz)	Pass/Fail
1	5210	0.35	1.28	1.63	4	Pass
2	5250	-0.36	1.28	0.92	4	Pass
3	5290	-2.29	1.28	-1.01	11	Pass
4	5760	0.70	1.28	1.98	17	Pass
5	5800	-1.59	1.28	-0.31	17	Pass

