

13. Peak Power Spectral Density

13.1 Standard Applicable

According to §15.247(d), for direct sequence systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3kHz band during any time interval of continuous transmission.

13.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW = 3KHz, VBW = auto, Span = 300KHz, Sweep=1s
4. Record the max. reading.
5. Repeat above procedures until all frequency measured were complete.

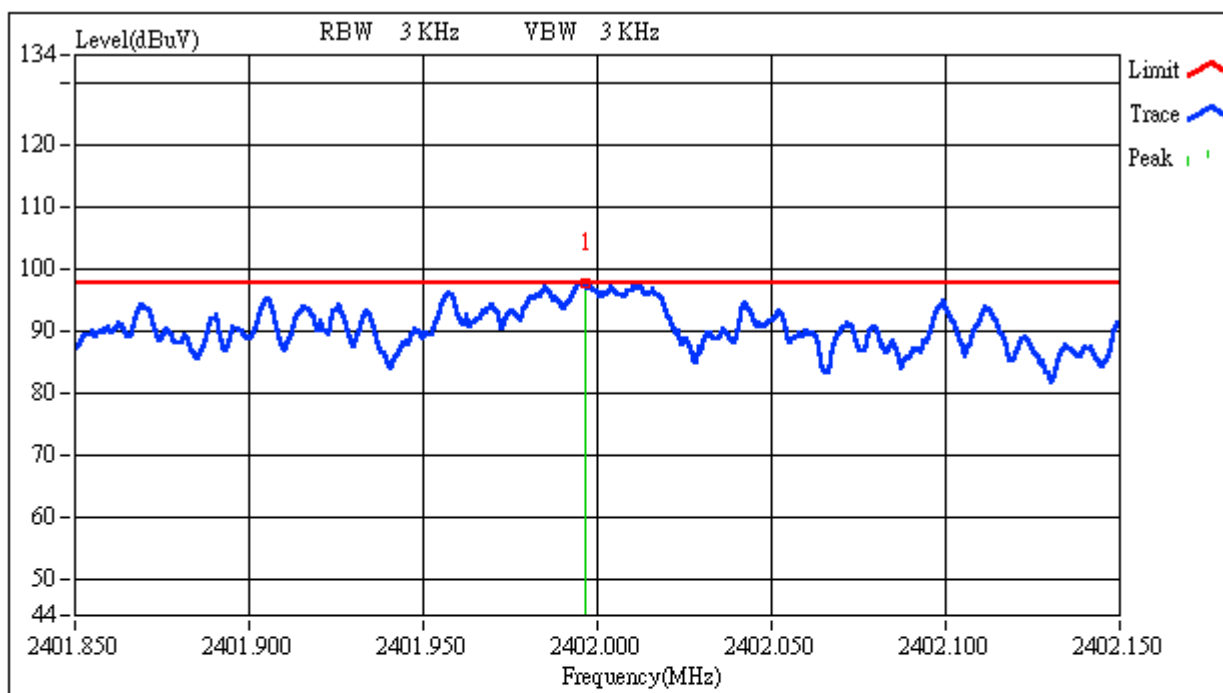
13.3 Measurement Result

CH	Frequency (MHz)	RF Power Density (dBm)	Maximum Limit (dBm)	Result
Low	2401.99	-9.41	8	PASS
Mid	2440.99	-8.36	8	PASS
High	2480.01	-9.42	8	PASS

13.4 Measurement Equipment Used:

EQUIPMENT TYPE	MFR	Model No.	Serial No.	LAST CAL.	Cal. Due.
Spectrum Analyzer	ADVANTEST	R3271A	NA	10/15/2001	10/14/2002
Plotter	HP	7475A	2938A29027	N/A	N/A
low loss cable	Huber + Suhner	Sucoflex 104	N/A	N/A	N/A

Power Spectral Density Test Plot (CH-Low)



Custom Name:

EPOX

Engineer:

markba_lee

Model Name:

BT-DG02

Report No.:

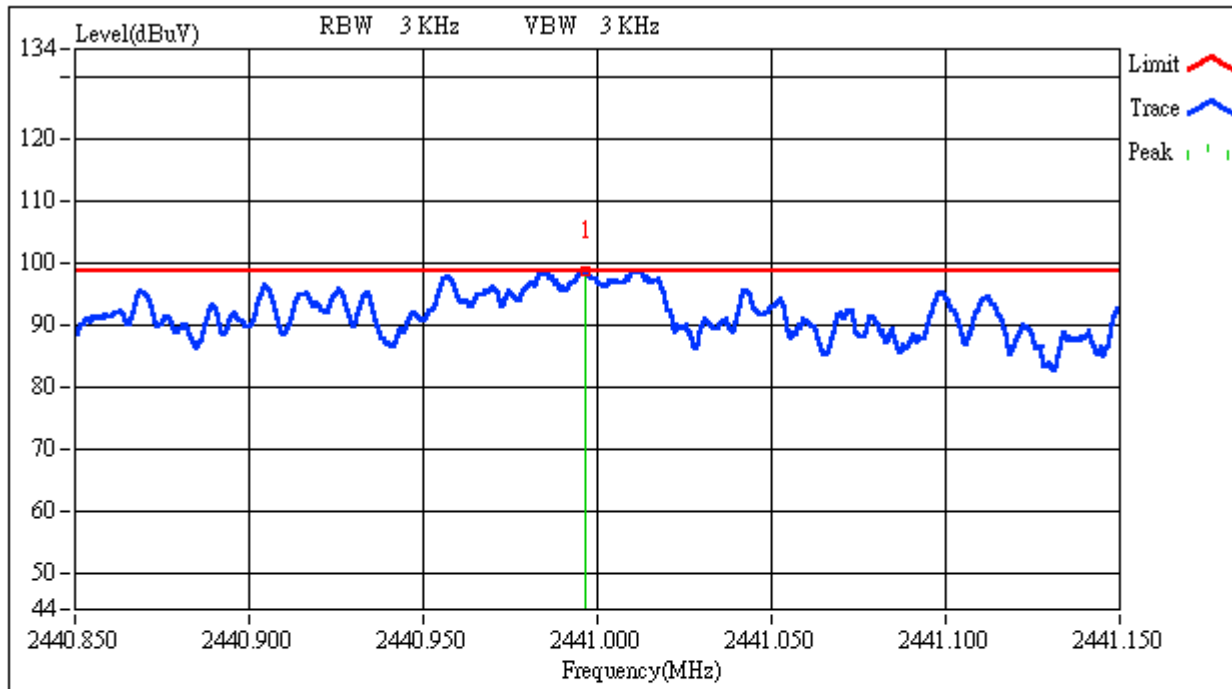
020034-R

Test Mode:

TX CH-LOW(2402MHz)

	Frequency(MHz)	Read Level (dBuV)	Probe (dB)	Cable Loss (dB)	Level(dBuV)
1	2401.9964	97.03	0.00	0.56	97.59

Power Spectral Density Test Plot (CH-Mid)



Custom Name:

EPOX

Engineer:

markba_lee

Model Name:

BT-DG02

Report No.:

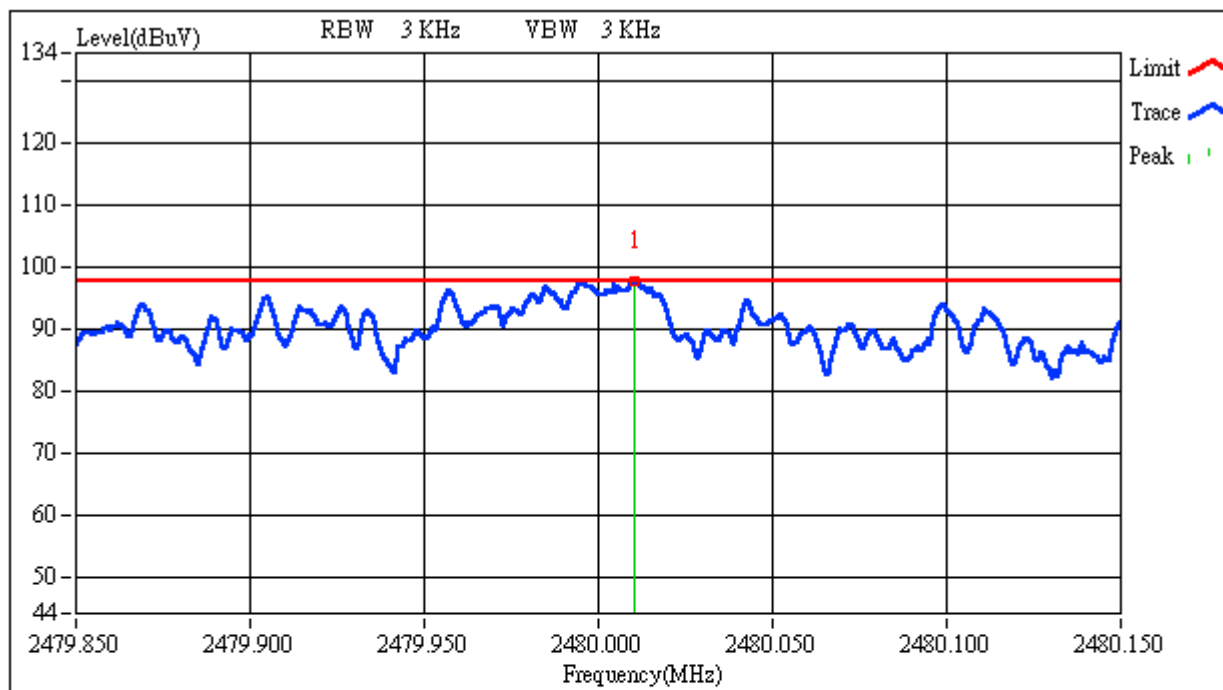
020034-R

Test Mode:

TX CH-MID(2441MHz)

	Frequency(MHz)	Read Level (dBuV)	Probe (dB)	Cable Loss (dB)	Level(dBuV)
1	2440.9964	98.21	0.00	0.43	98.64

Power Spectral Density Test Plot (CH-High)



Custom Name:

EPOX

Engineer:

markba_lee

Model Name:

BT-DG02

Report No.:

020034-R

Test Mode:

TX CH-HIGH(2480MHz)

	Frequency(MHz)	Read Level (dBuV)	Probe (dB)	Cable Loss (dB)	Level(dBuV)
1	2480.0102	97.06	0.00	0.52	97.58