§15.247(a)(2) – Direct Sequence Bandwidth

Minimum Standard – 6dB bandwidth for direct sequence systems must be at least 500Hz (0.5 MHz).

Res. Bandwidth =	100 kHz (5dB/div)
Vid. BW =	100 kHz
Span =	30 MHz
Ref. Level	-37 dBm
Sweep	10.0ms
Attenuator	0 dB ext. pad
6dB Bandwidth – Mkr Delta	**(6dB down from peak)**
(see attached spectrum plots)	

FREQUENCY (MHz)	Channel	6dB Bandwidth (MHz)
2413	01	9.69
2438	06	9.66
2458	10	9.66

Table 3. 6dB Bandwidth measurements

REMARKS:

PASS

§15.247(b) Maximum Peak Output Power

Minimum Standard – The maximum peak output power of the transmitter shall not exceed 1 watt.

Res. Bandwidth =	3 MHz (7dB/div)
Vid. BW=	3 MHz
Span=	30 MHz
Ref. Level	-25 dBm
Sweep	10 ms sec
Attenuator	0 dB ext. pad

Max. Power Peak + Atten = dBm ⇒ Watts

FREQUENCY (MHz)	Channel	Power Output Conducted (dBm)	Power Output Radiated (mW)
2413	01	19.97	93.14
2438	06	19.75	
2450	10	19.05	

Table 4. Output Power Measurements

Notes:

The Power Output measurements were taken with a Peak reading Power Meter.

REMARKS:

PASS

§15.247(c) Power Density

Minimum Standard – The transmitted power density averaged over any 1 second interval shall not be greater than 8dBm in any 3kHz bandwidth within these bands.

Res. Bandwidth =	3 kHz (10dB/div)
Vid. BW =	3 kHz
Span =	300 kHz
Ref. Level	-37 dBm
Sweep	1000 sec

Peak + Atten = dBm ⇒ (Limit < 8dBm)

FREQ (MHz)	Channel	Power Density (dBm)
2413	01	-12.38
2438	06	-14.13
2458	10	-13.62

Table 5. Output Power Density Data.

REMARKS:

PASS