2.7 Peak power within the band 902 – 928 MHz per FCC Section 15.247(b)

Peak power within the band 902 – 928 MHz has been measured with a spectrum analyzer by connecting the spectrum analyzer directly via a short cable to the antenna output terminals or across the antenna leads on the PCB as specified by the manufacturer. The spectrum analyzer was set for a 50 Ω impedance with the VBW ≥ RBW 6 dB bandwidth. The results of the measurements are given in Table 3 and Figure 3a1 through Figure 3a3.

Fundamental Frequencies were measured at Low Channel, Mid Channel, and High Channel.

Results shown are the measured and plotted values– cable loss (0.1 dB with short cable).

TABLE 3a
PEAK POWER OUTPUT

Frequency of Fundamental (MHz)	Measurement (dBm)*	Measurement (mW)*	FCC Limit (Watt)
902.586	23.53	223.9	0.250
914.701	23.82	239.9	0.250
926.416	23.58	228.0	0.250

*** Measurement includes 0.1 dB for cable loss**

Test Date: July 24, 2007

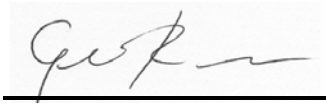
Tester Signature:  **Name: Gersop Riera**

Figure 3a1.
Peak Power per FCC Section 15.247(b) (Low Channel)

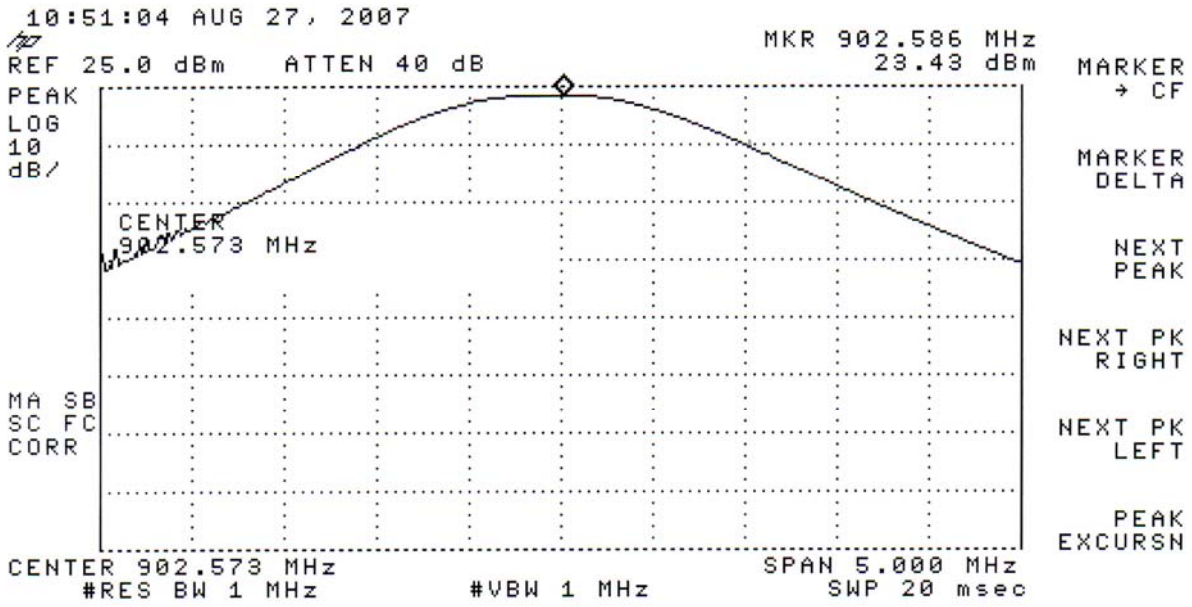


Figure 3a2.
Peak Power per FCC Section 15.247(b) (Mid Channel)

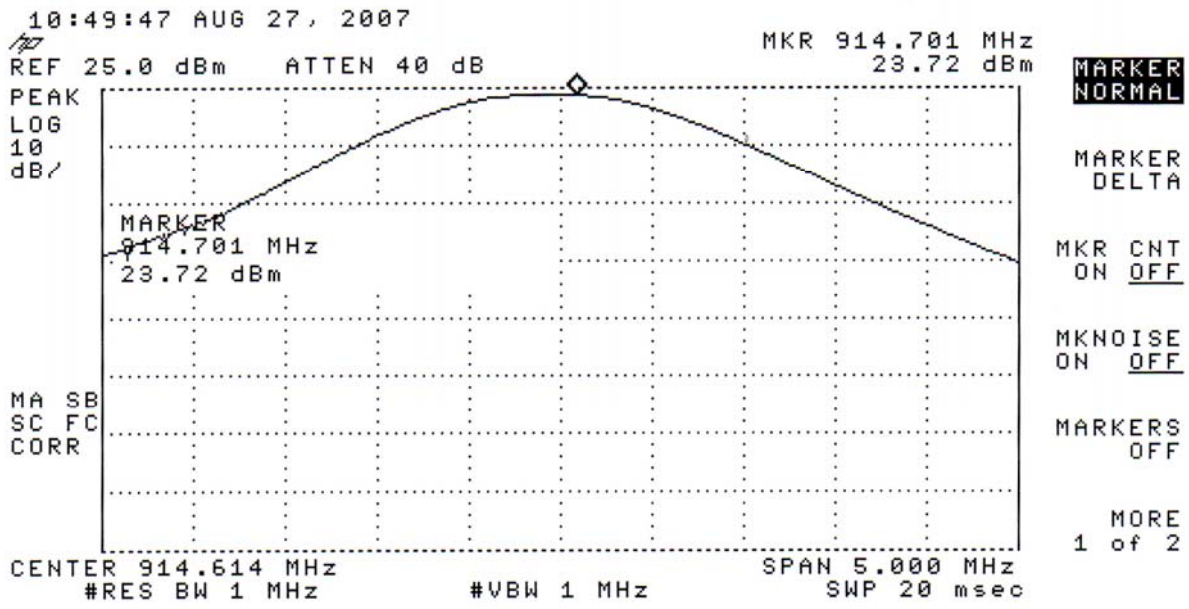
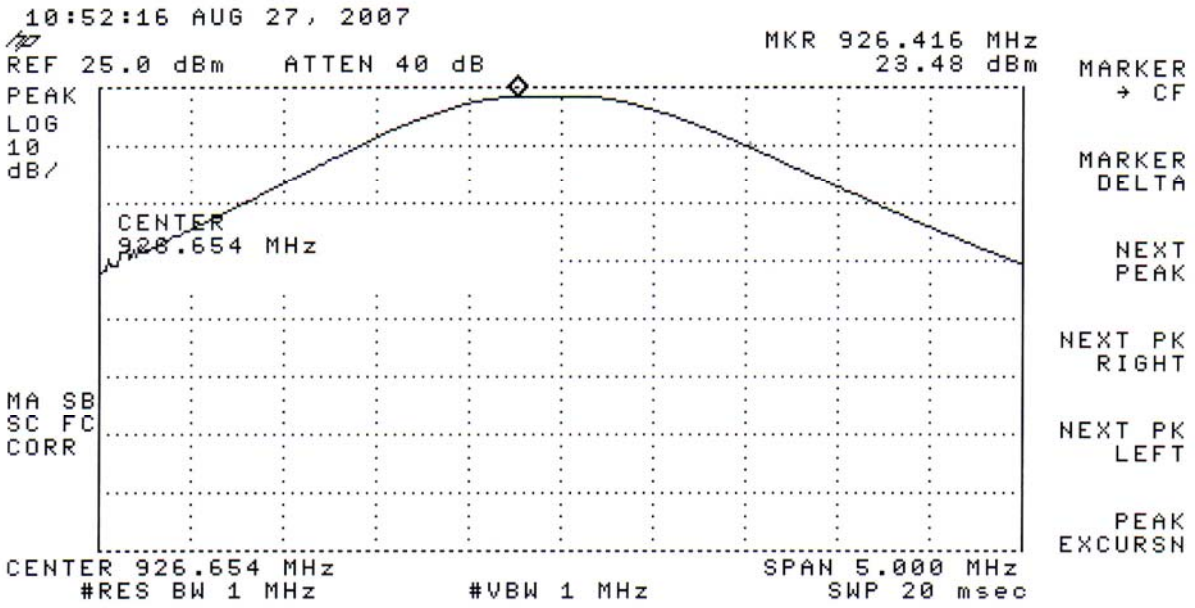


Figure 3a3.
Peak Power per FCC Section 15.247(b) (High Channel)



2.12 20 dB Bandwidth per FCC Section 15.247(a)(1)(ii)

The antenna port was connected to a spectrum analyzer that was set for a 50 Ω impedance with the RBW = approximately 1/100 of the manufacturers claimed RBW & VBW > RBW. The results of this test are given in Table 6 and Figure 6a through 6c.

TABLE 6
20 dB Bandwidth

Frequency (MHz)	20 dB Bandwidth (kHz)	MAXIMUM FCC LIMIT (kHz)
902.614	420	500
914.614	420	500
926.654	420	500

Test Date: July 25, 2007

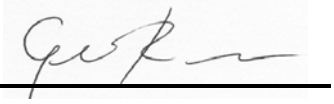
Tester Signature:  **Name: Gersop Reira**

Figure 7a.
20 dB Bandwidth per FCC Section 15.247(a)(1)(ii) (Low Channel)

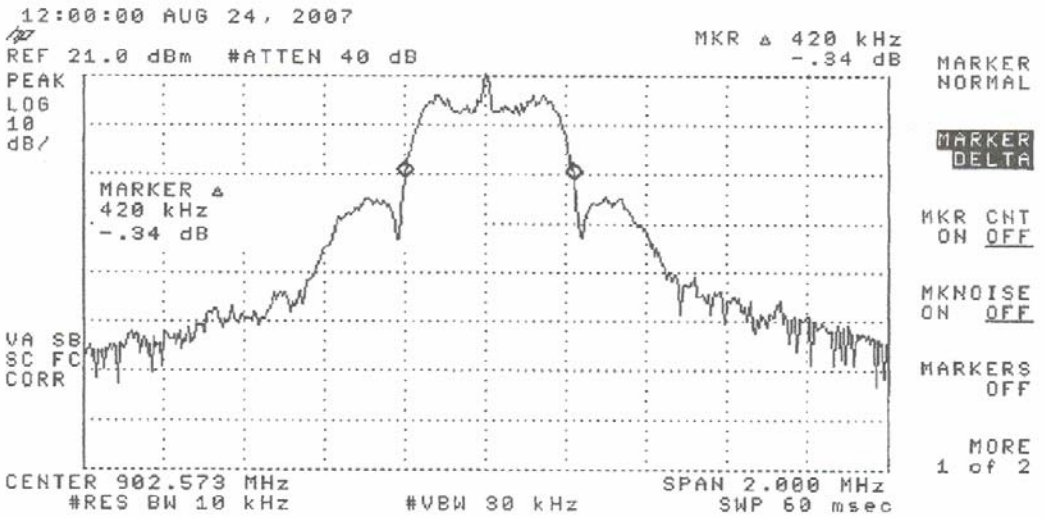


Figure 7b.
20 dB Bandwidth per FCC Section 15.247(a)(1)(ii) (Mid Channel)

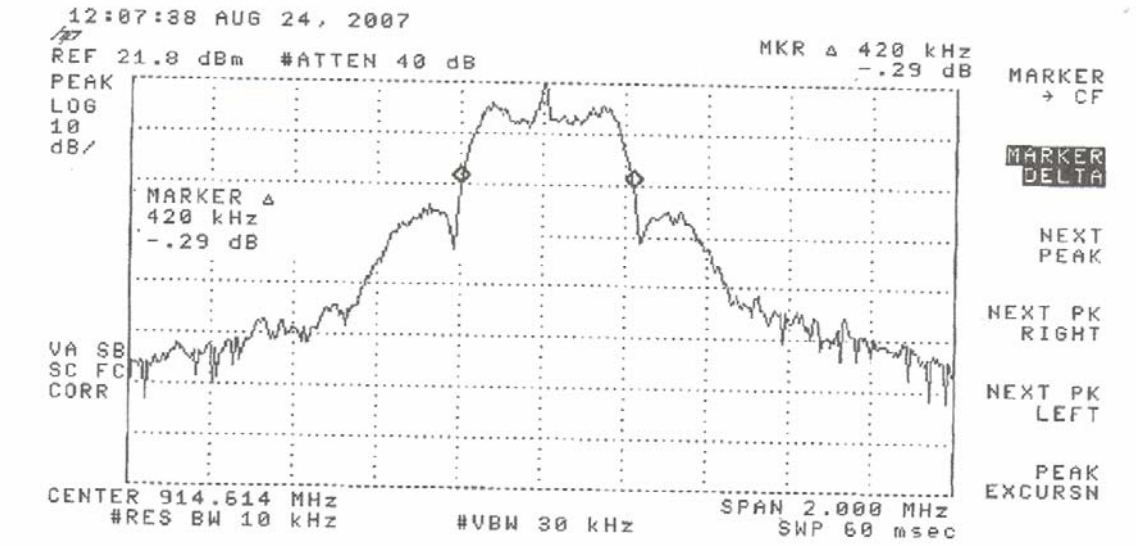


Figure 7c.
20 dB Bandwidth per FCC Section 15.247(a)(1)(ii) (High Channel)