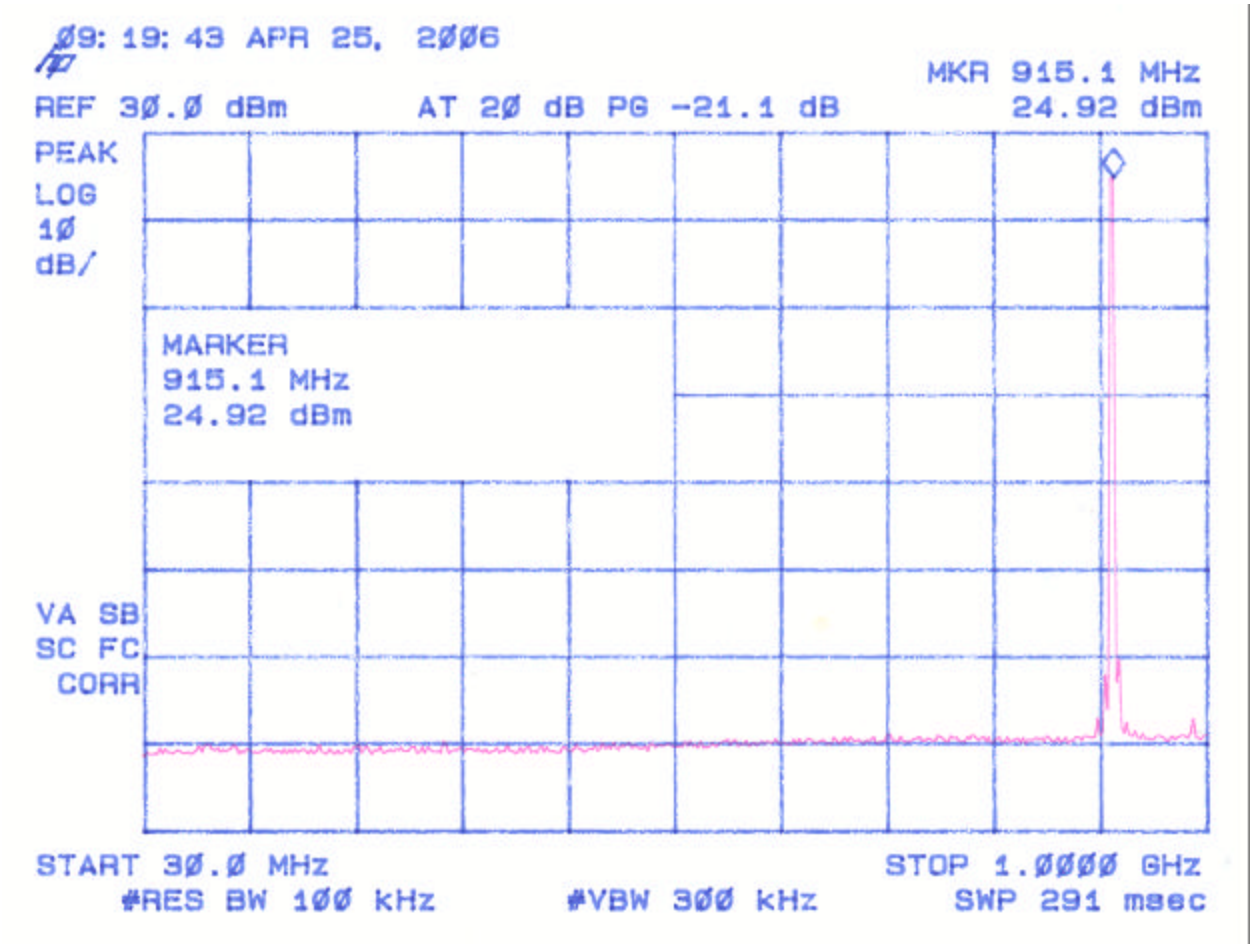
2.8 Antenna Conducted Spurious Emission the Frequency Range 30 – 25000 MHz (FCC Section 15.247(c))

Spurious emissions in the frequency range 30 – 25000 MHz have 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 RBW = 100 kHz & VBW> RBW. All spurious emissions were measured to be greater than 20 dB down from the fundamental. The results or conducted spurious emissions are given in Figure 4a through 4l.

Figure 4a
Antenna Conducted Spurious Emissions 15.247(c) (Low Channel)



NOTE: Data Point represents Fundamental.

Figure 4b
Antenna Conducted Spurious Emissions 5.247(c) (Low Channel)

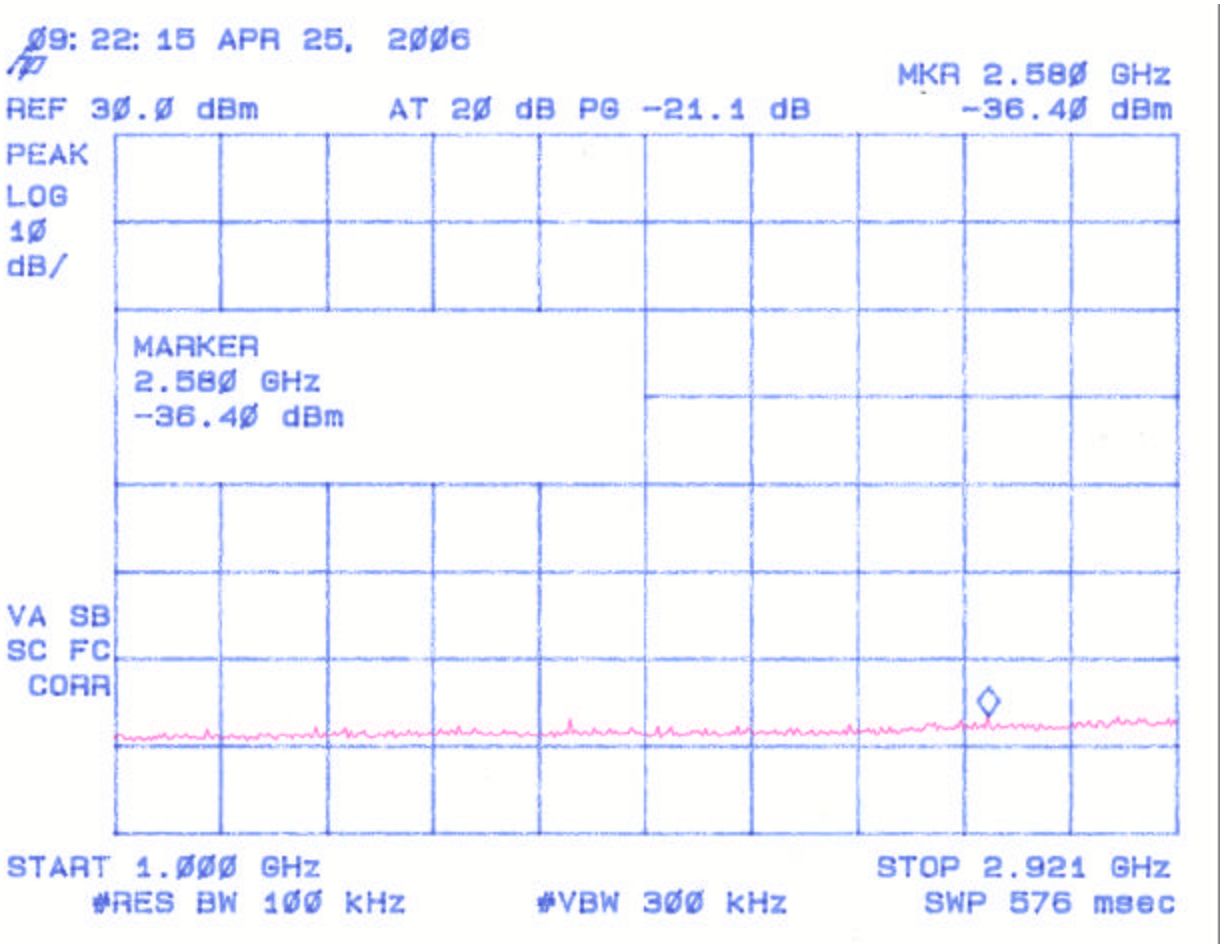


Figure 4c
Antenna Conducted Spurious Emissions 15.247(c) (Low Channel)

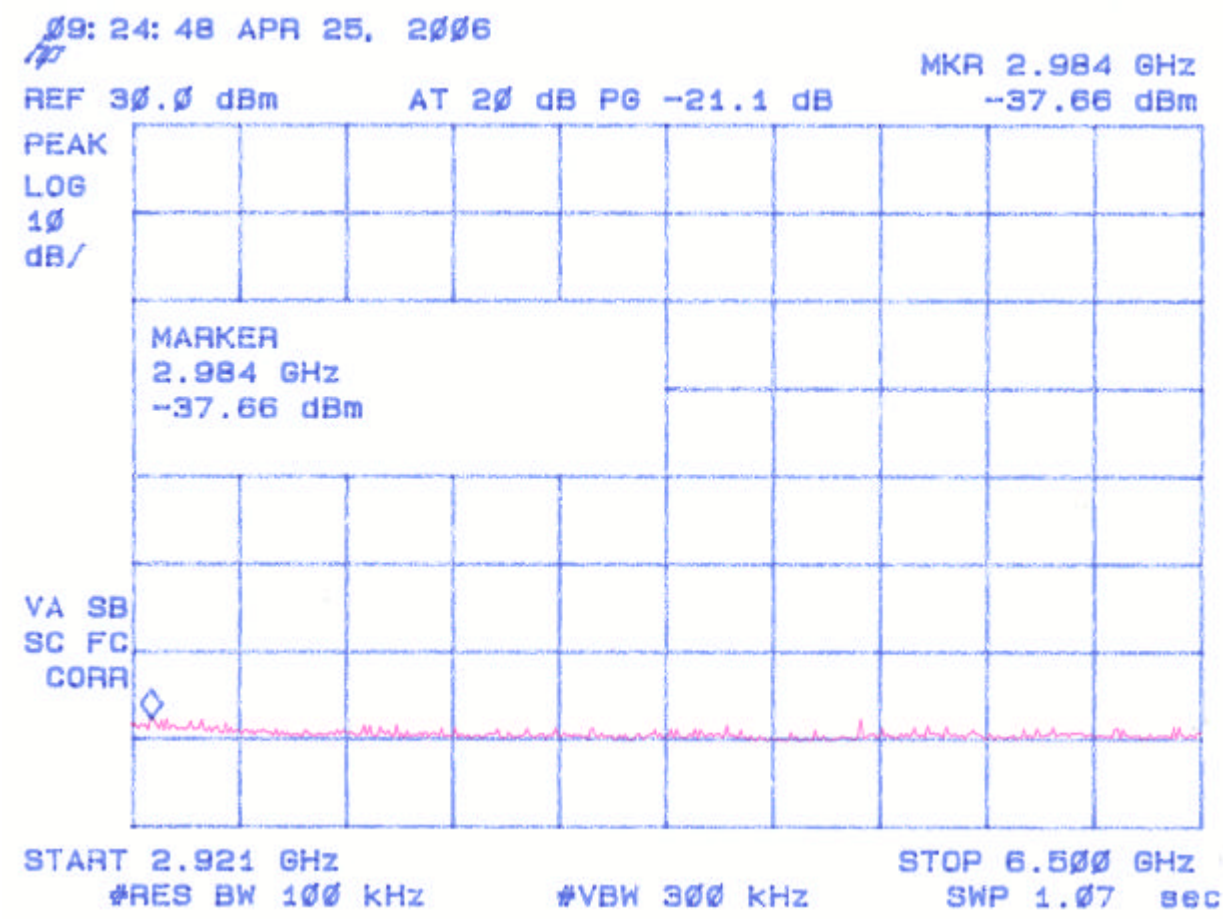


Figure 4d
Antenna Conducted Spurious Emissions 15.247(c) (Low Channel)

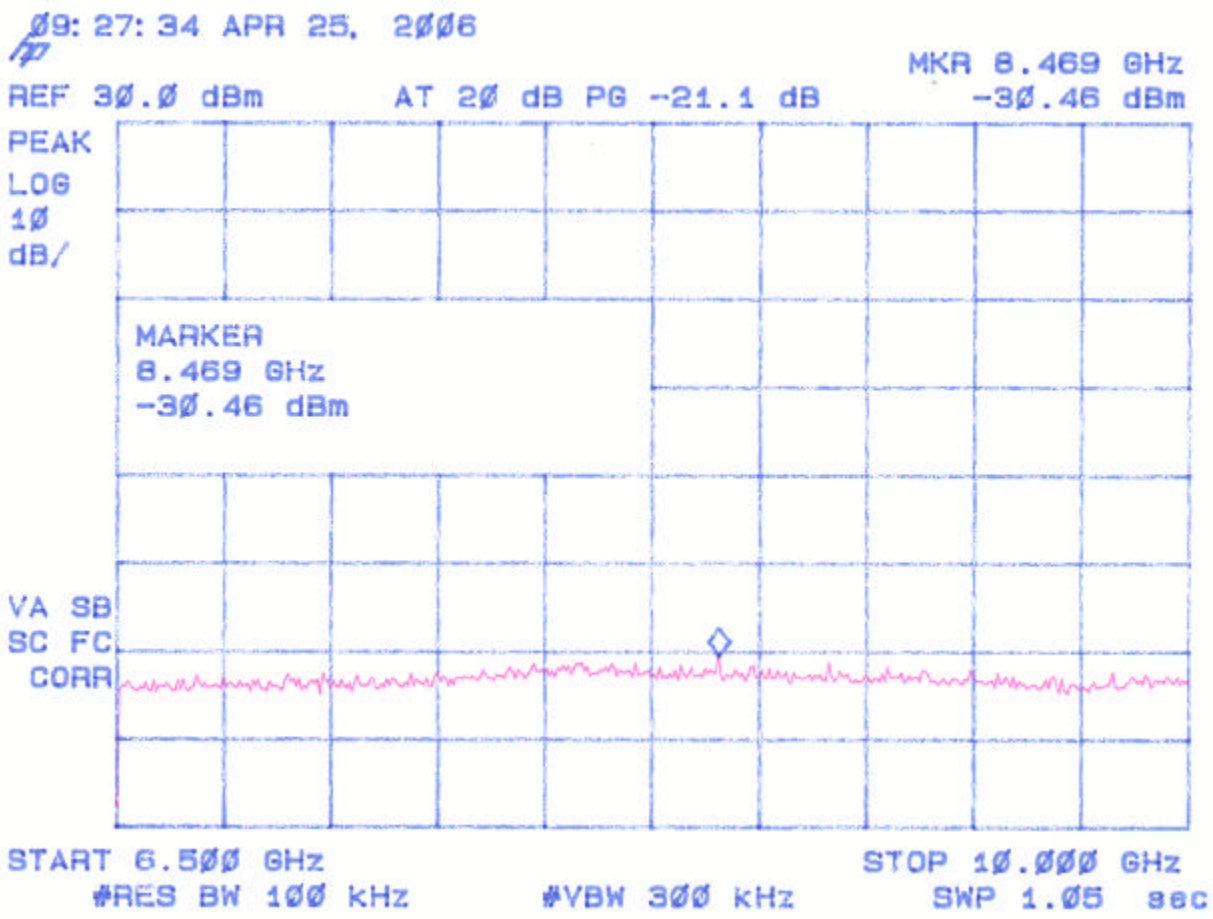
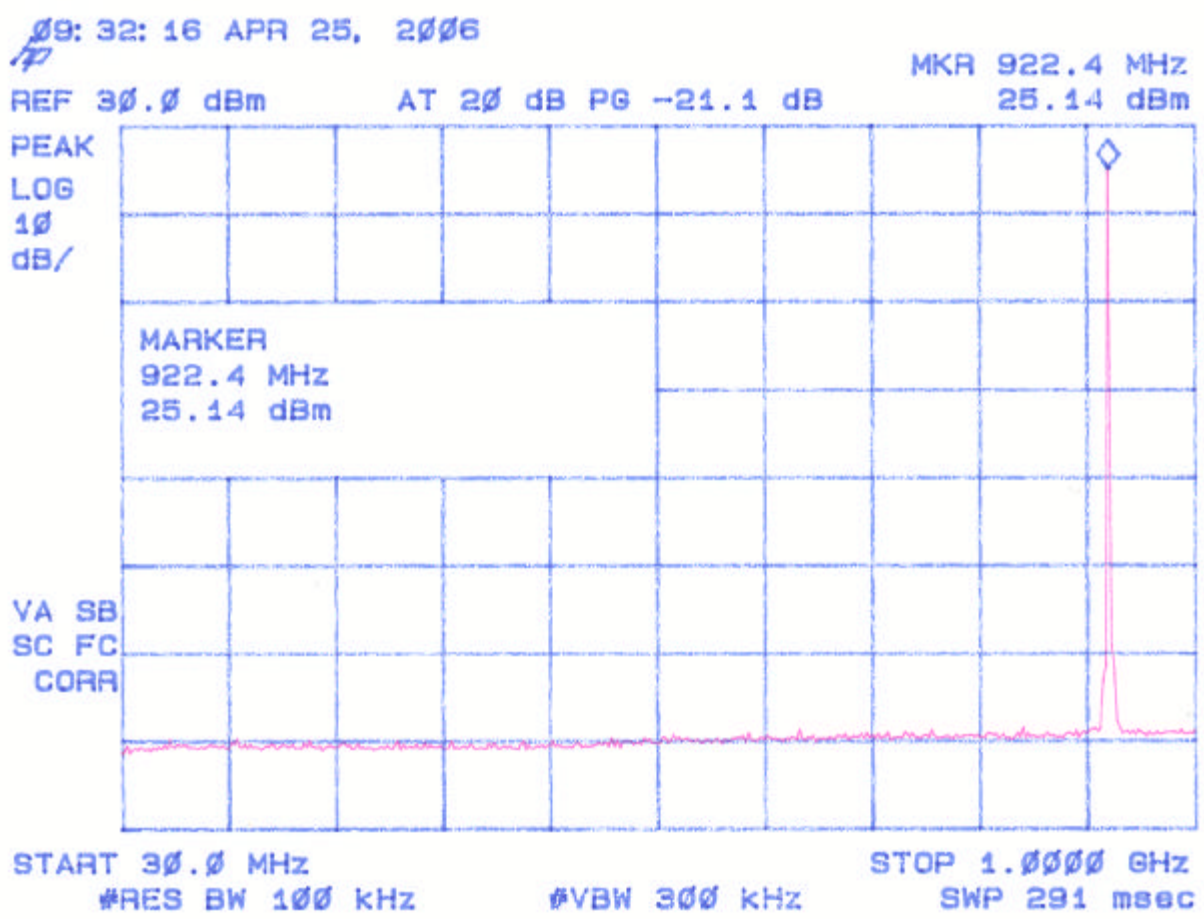


Figure 4e
Antenna Conducted Spurious Emissions 15.247(c)) (Mid Channel)



NOTE: Data Point represents Fundamental.

Figure 4f
Antenna Conducted Spurious Emissions 15.247(c) (Mid Channel)

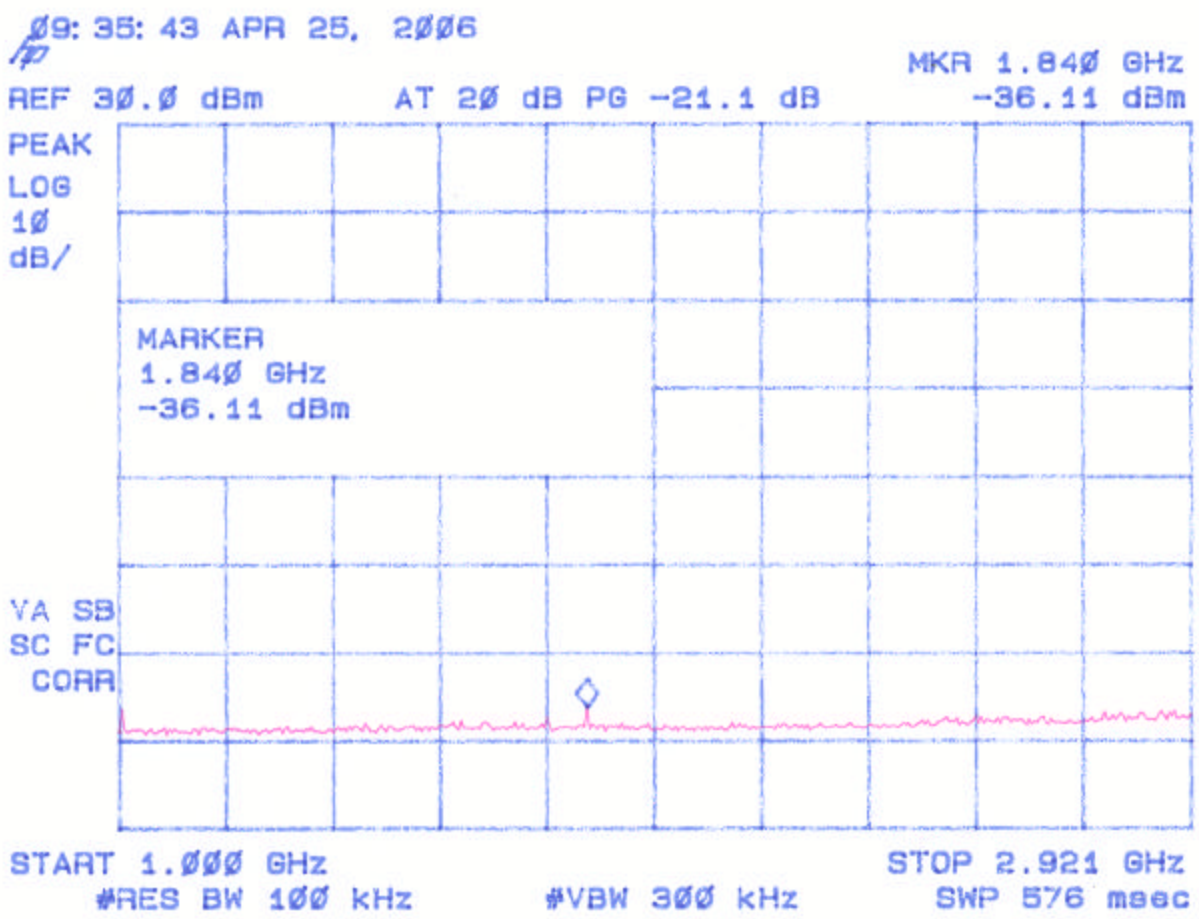


Figure 4g
Antenna Conducted Spurious Emissions 15.247(c) (Mid Channel)

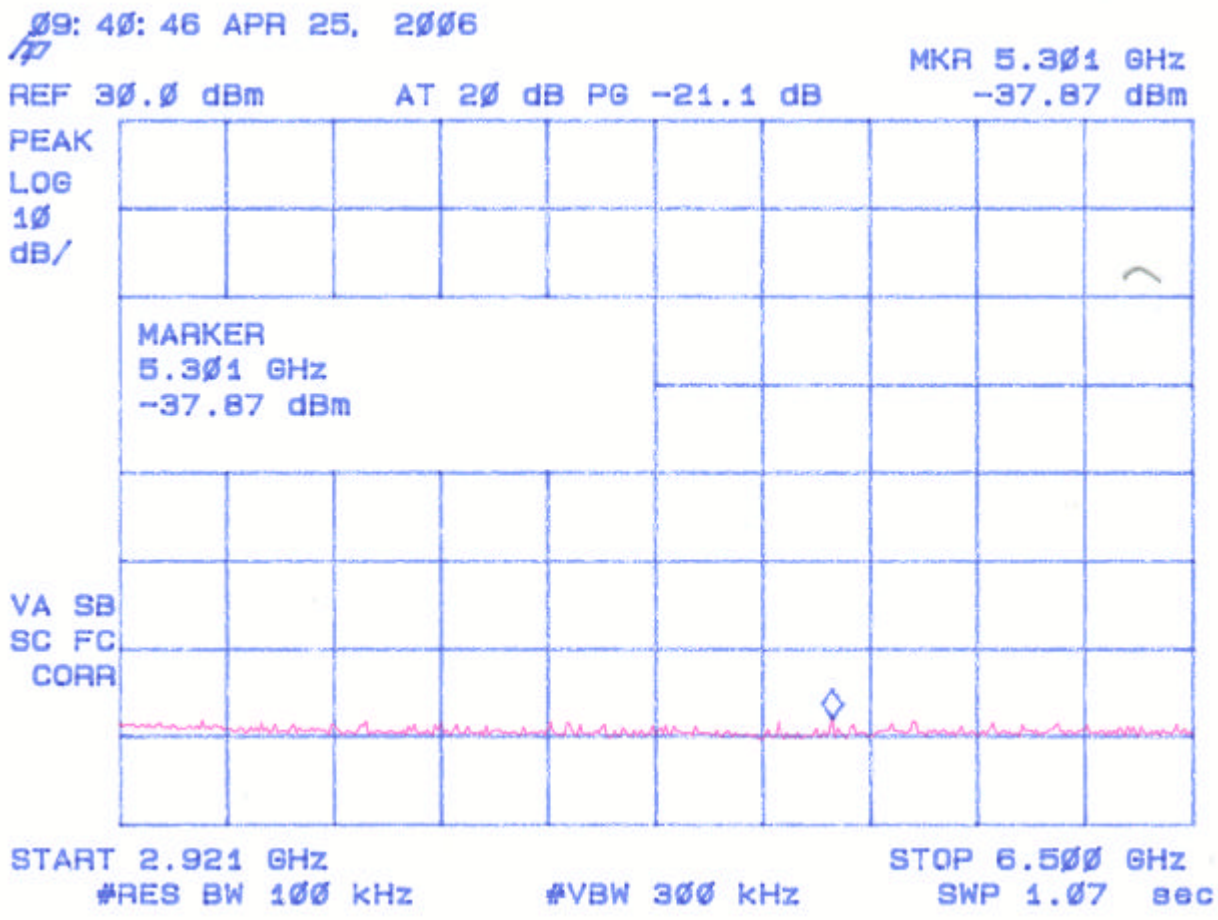


Figure 4h
Antenna Conducted Spurious Emissions 15.247(c) (Mid Channel)

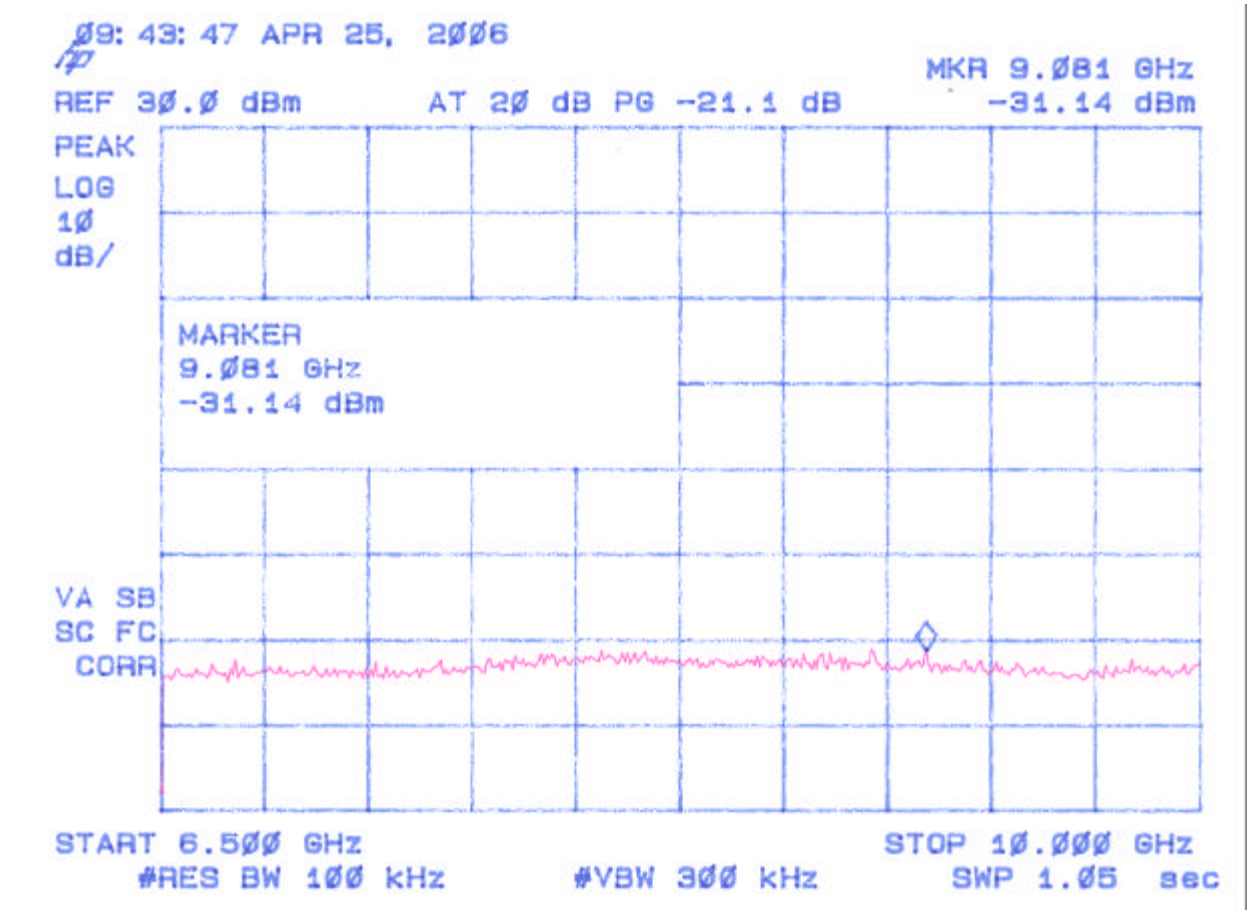
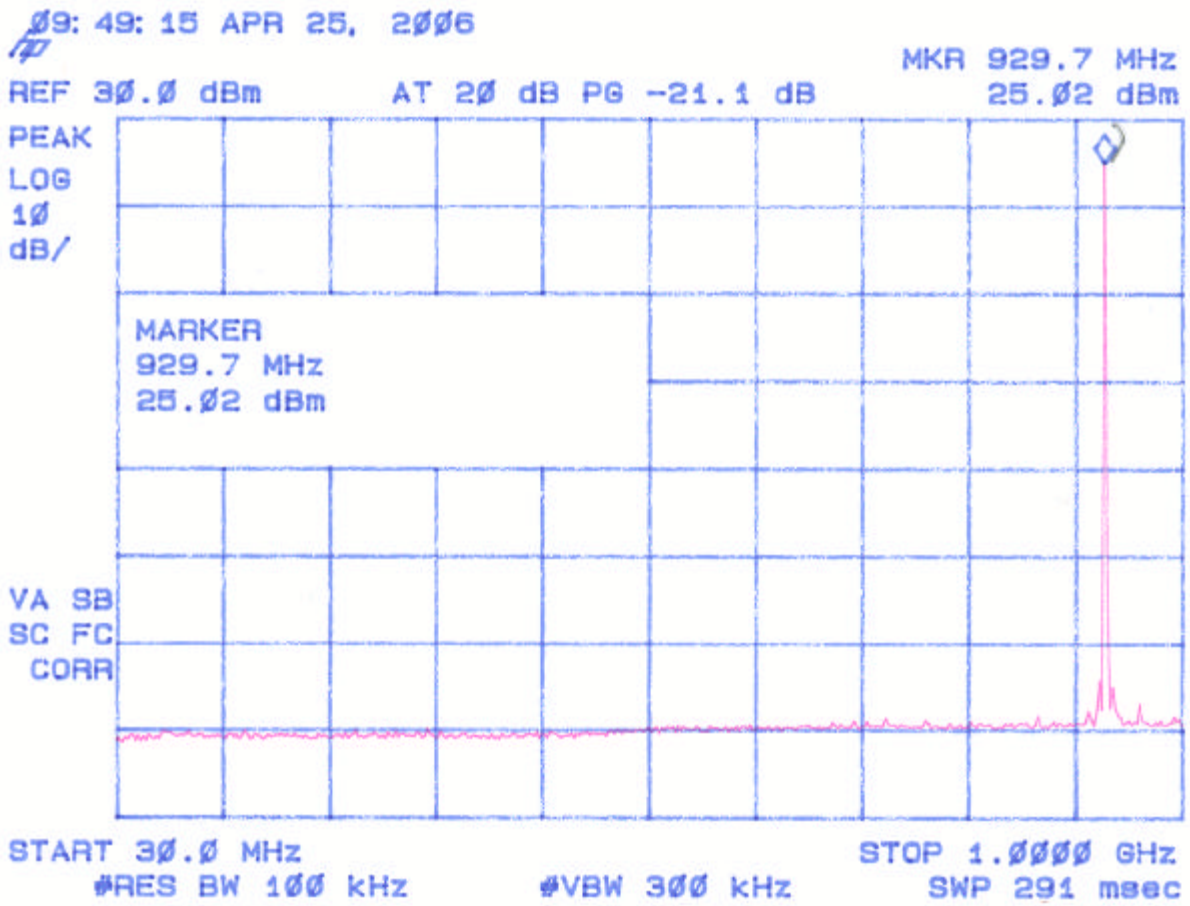


Figure 4i
Antenna Conducted Spurious Emissions 15.247(c) (High Channel)



NOTE: Data Point represents Fundamental.

Figure 4j
Antenna Conducted Spurious Emissions 15.247(c) (High Channel)

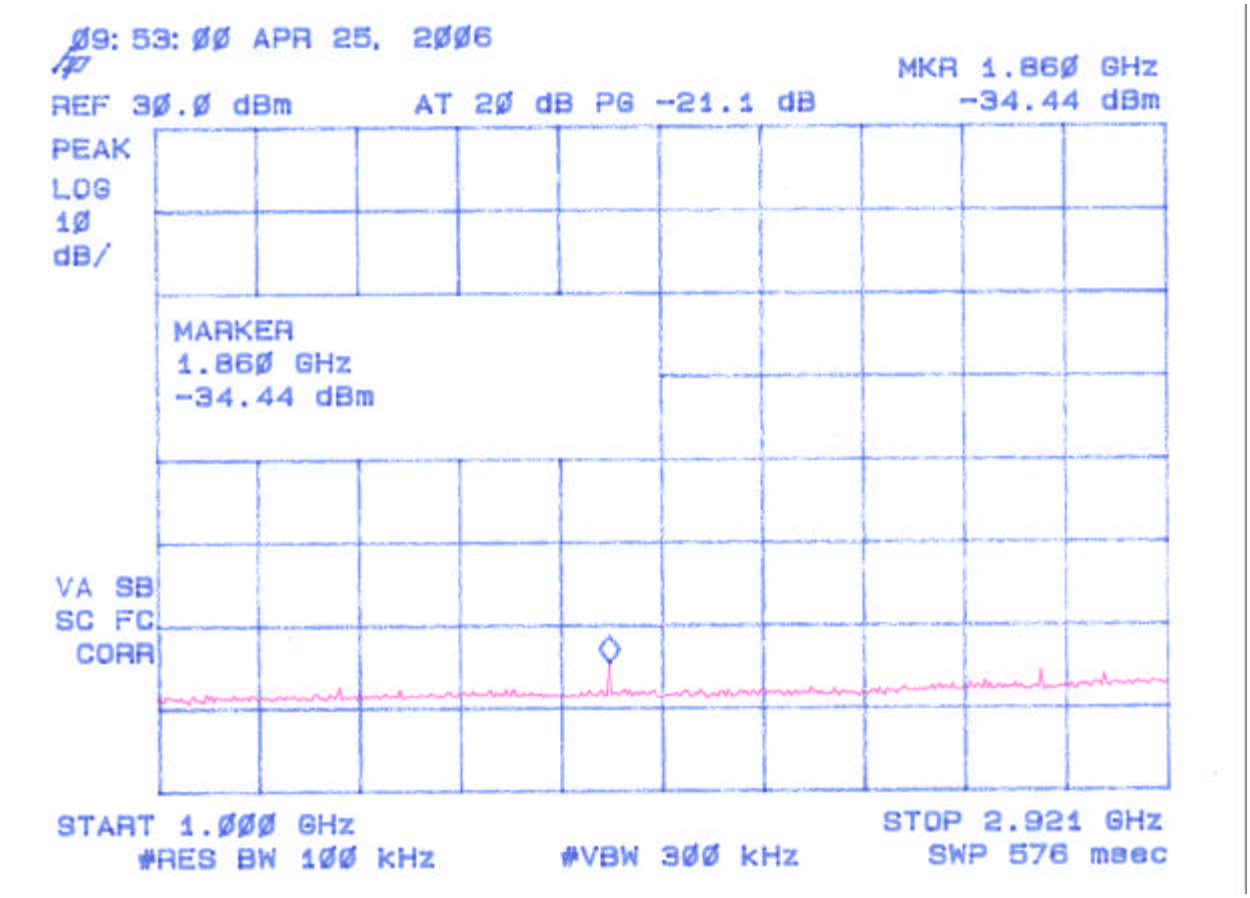


Figure 4k
Antenna Conducted Spurious Emissions 15.247(c) (High Channel)

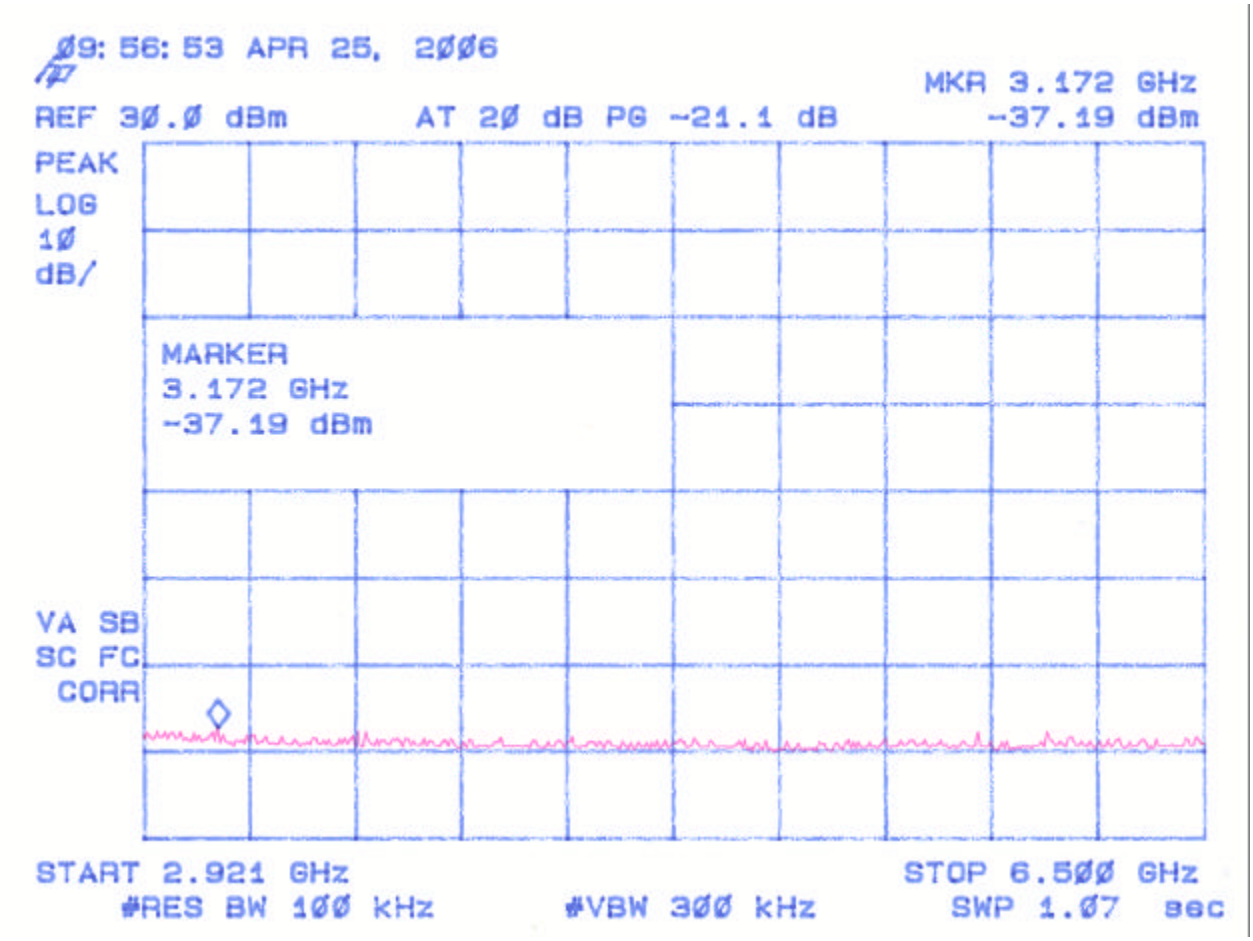


Figure 4l
Antenna Conducted Spurious Emissions 15.247(c) (High Channel)