

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

Antenna conducted 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 of conducted spurious emissions are given in Figure 4a through Figure 4x.

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

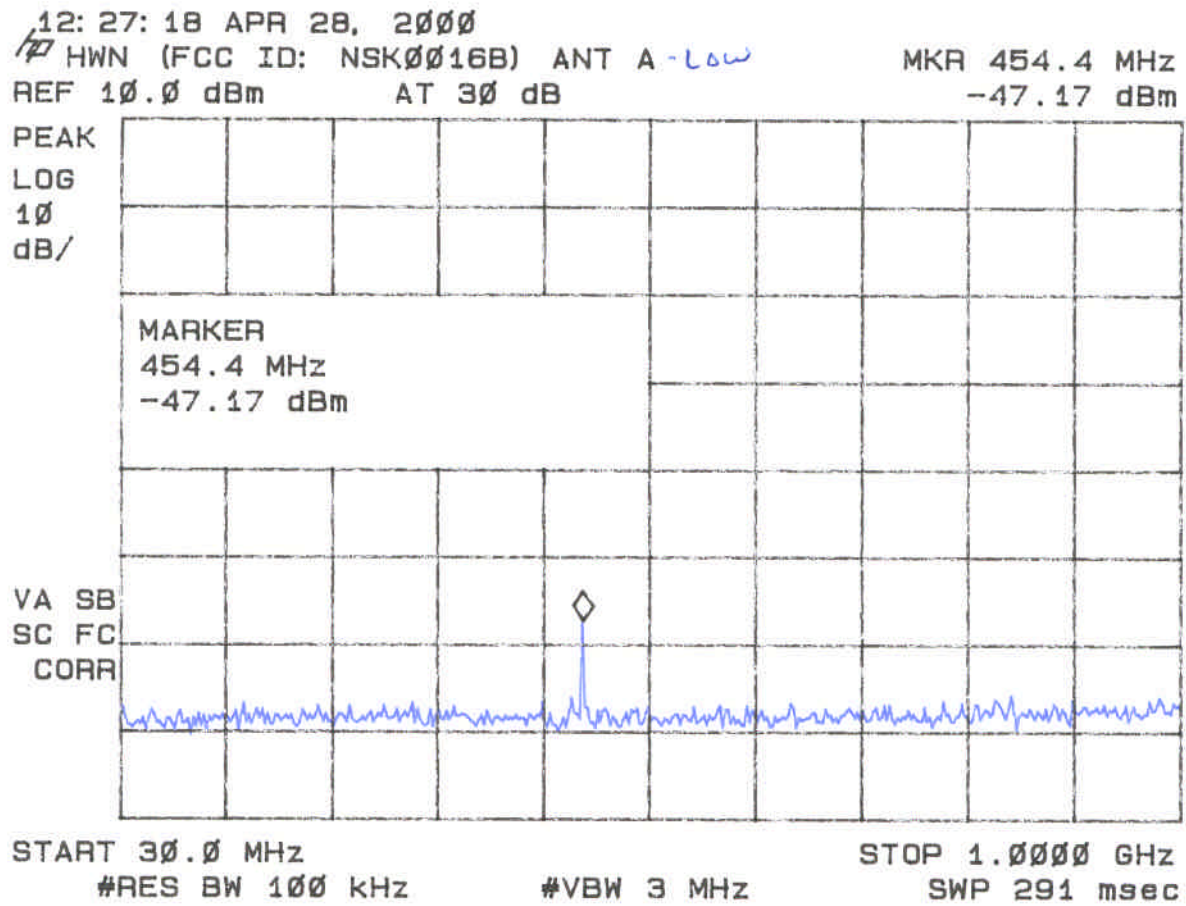


Figure 4b
Antenna Conducted Spurious Emissions 5.247(c) (Antenna A - Low)

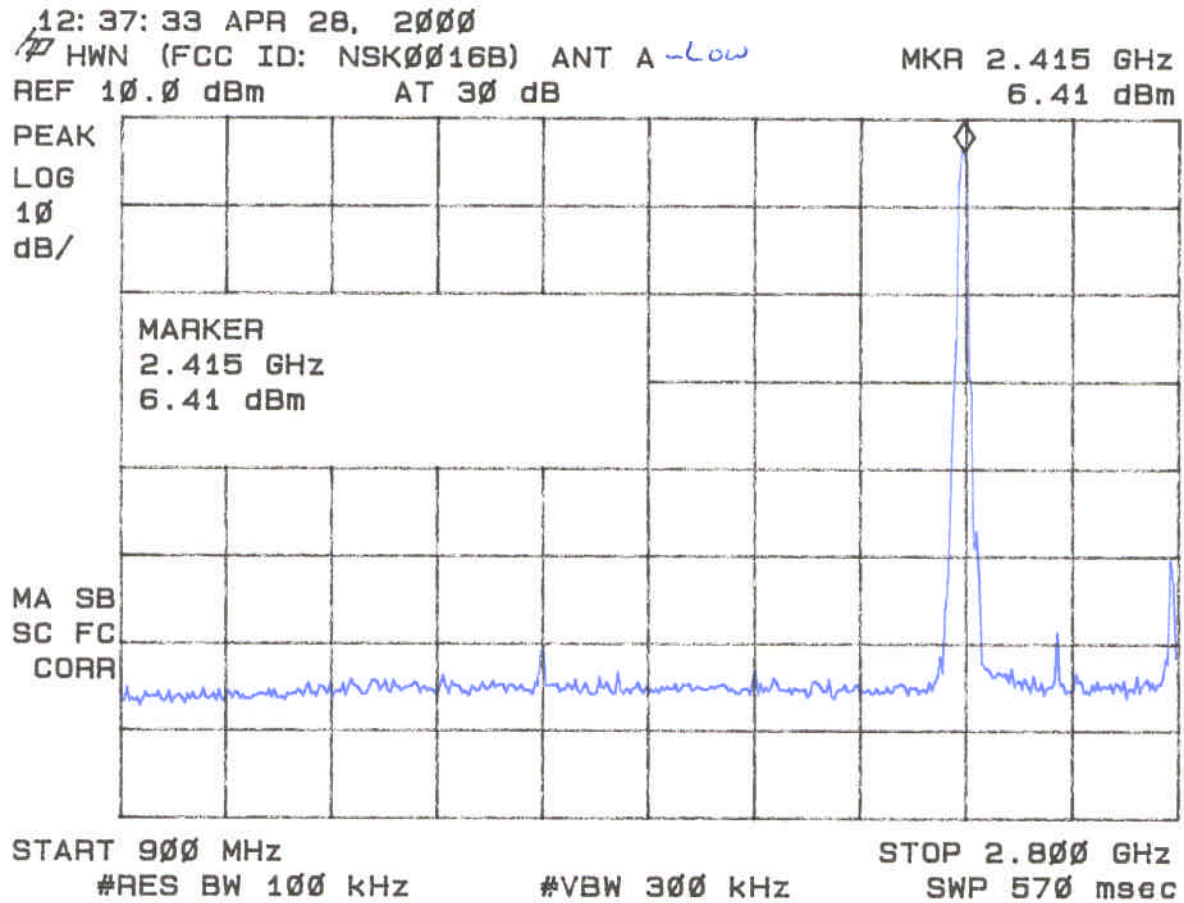


Figure 4c
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - Low)

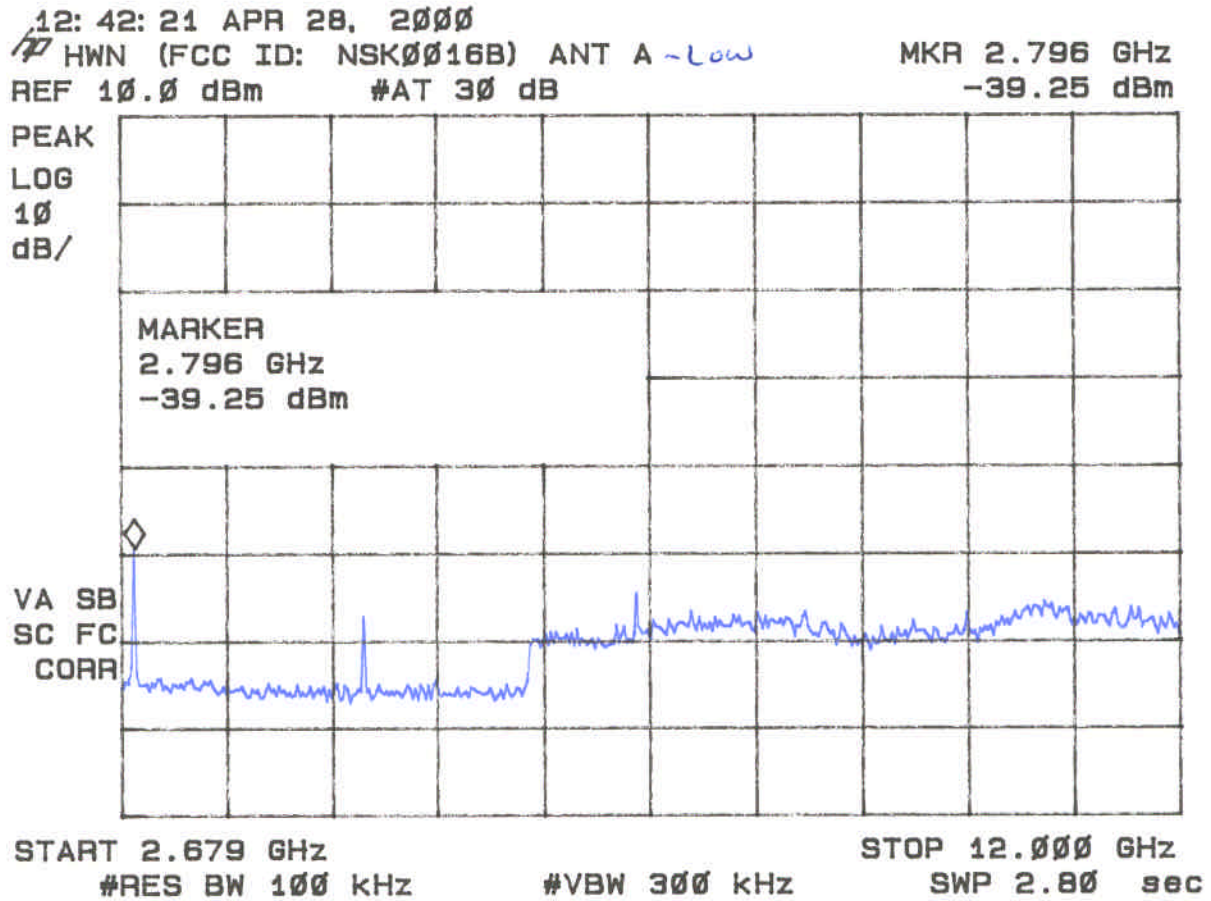


Figure 4d
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - Low)

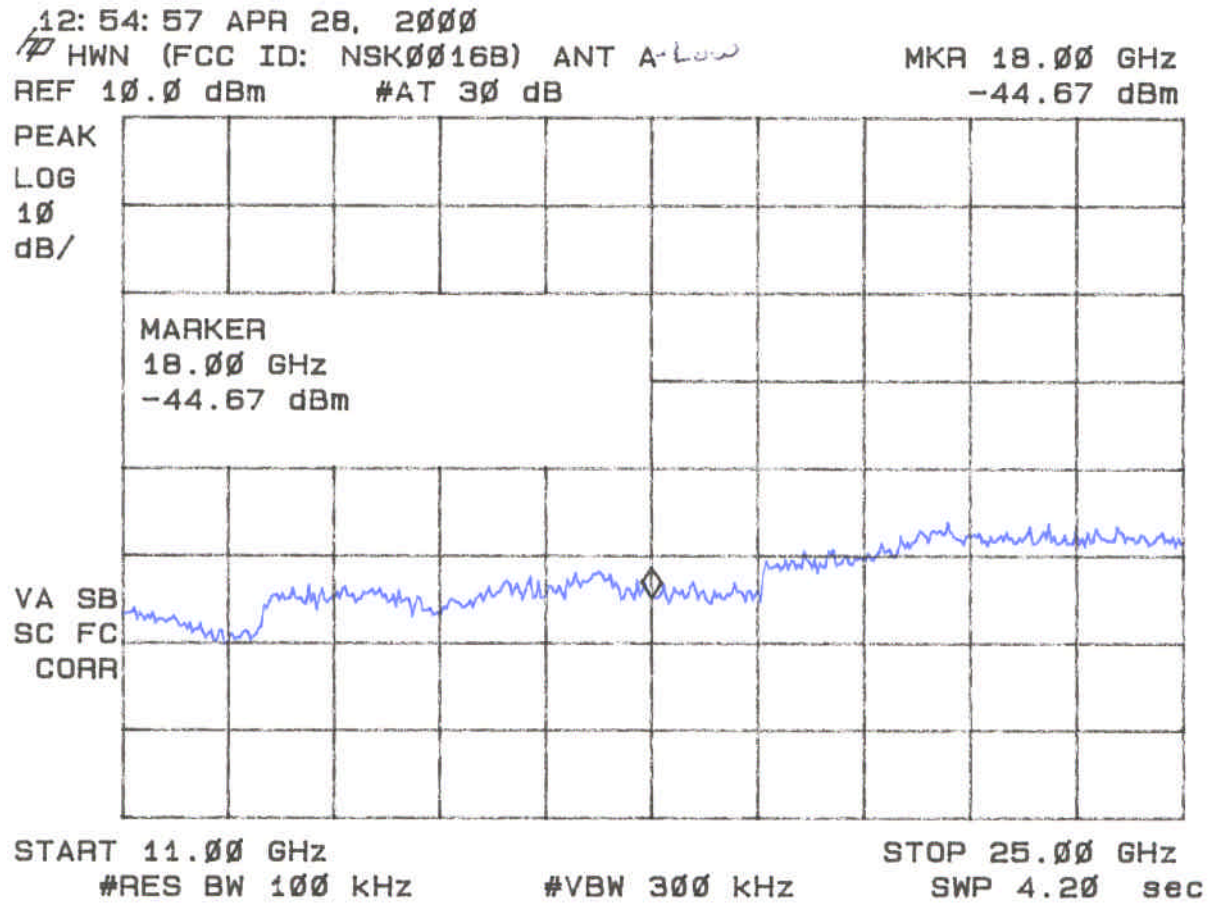


Figure 4e
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - Mid)

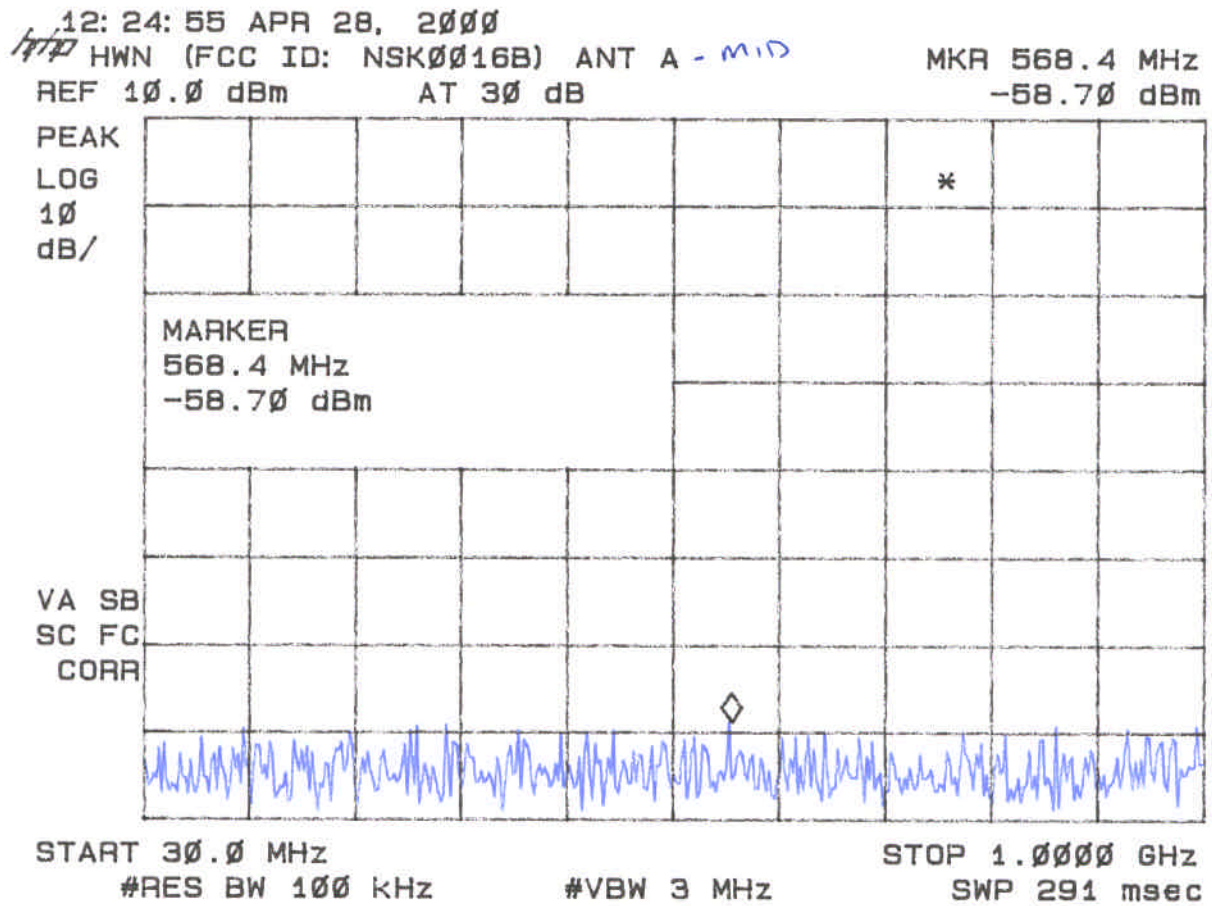


Figure 4f
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - Mid)

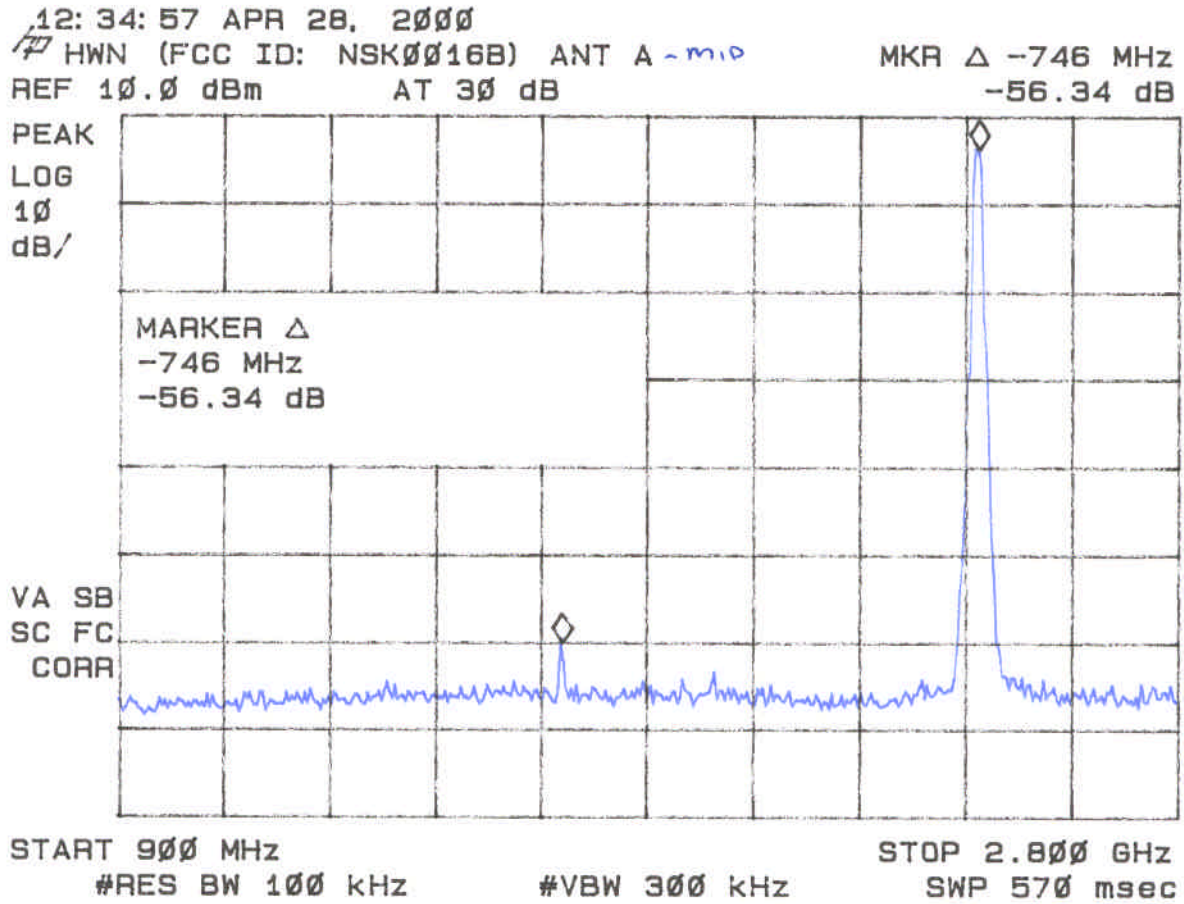


Figure 4g
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - Mid)

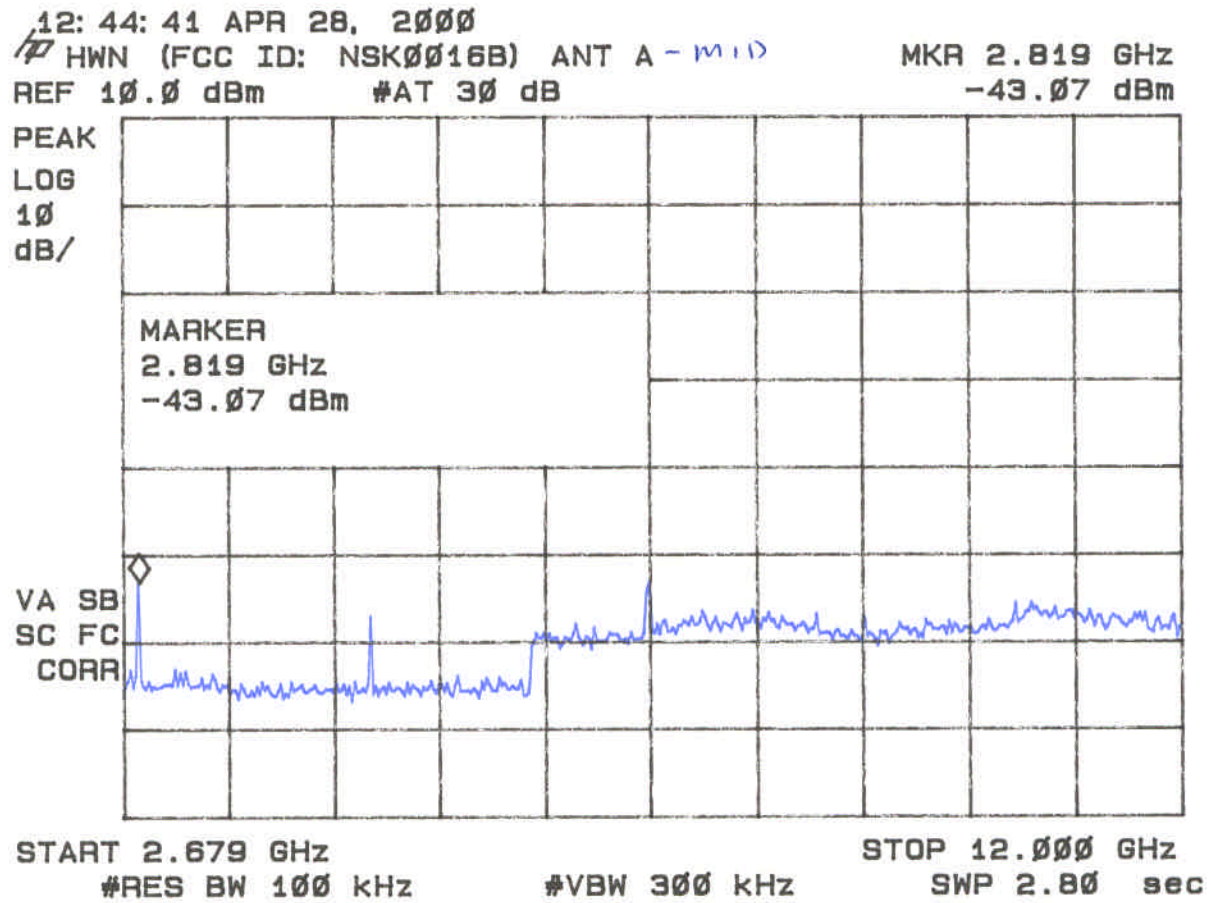


Figure 4h
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - Mid)

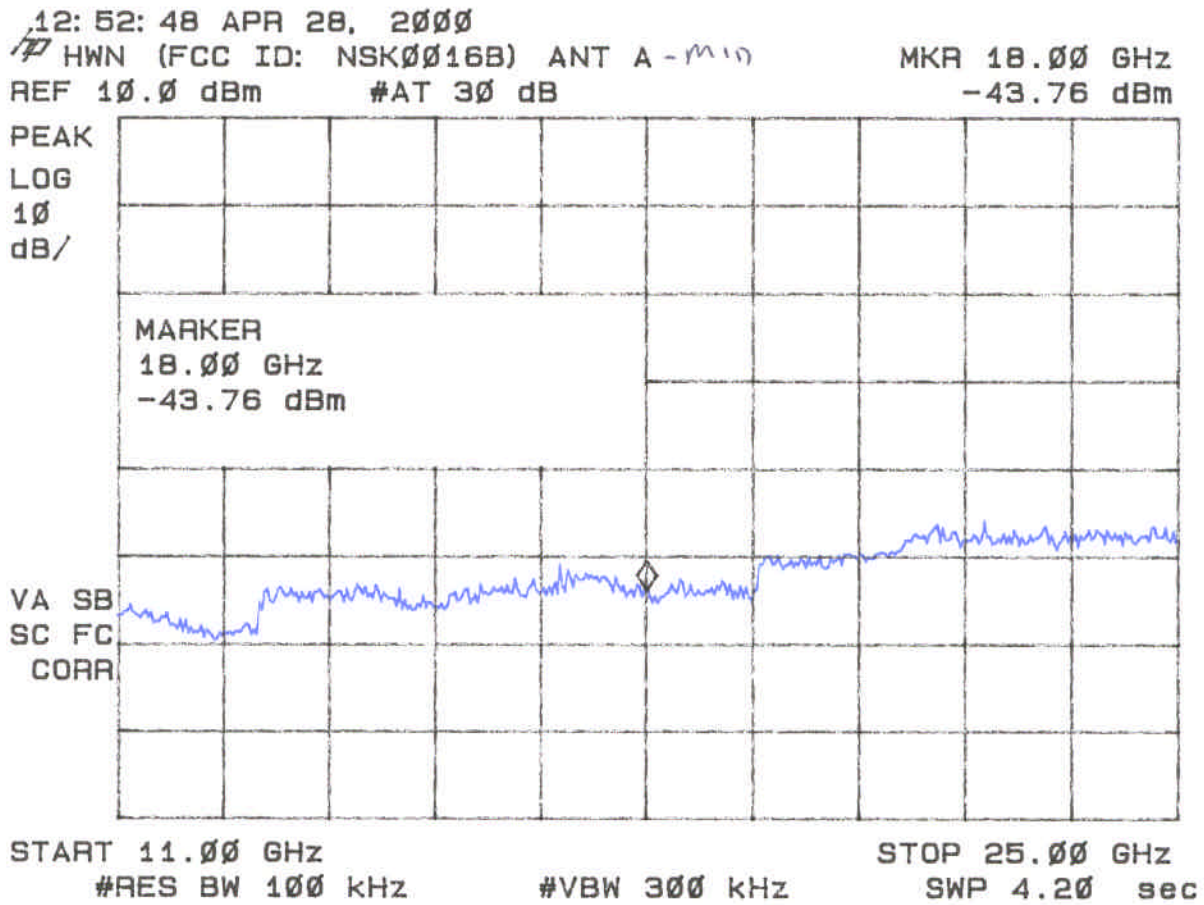


Figure 4i
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - High)

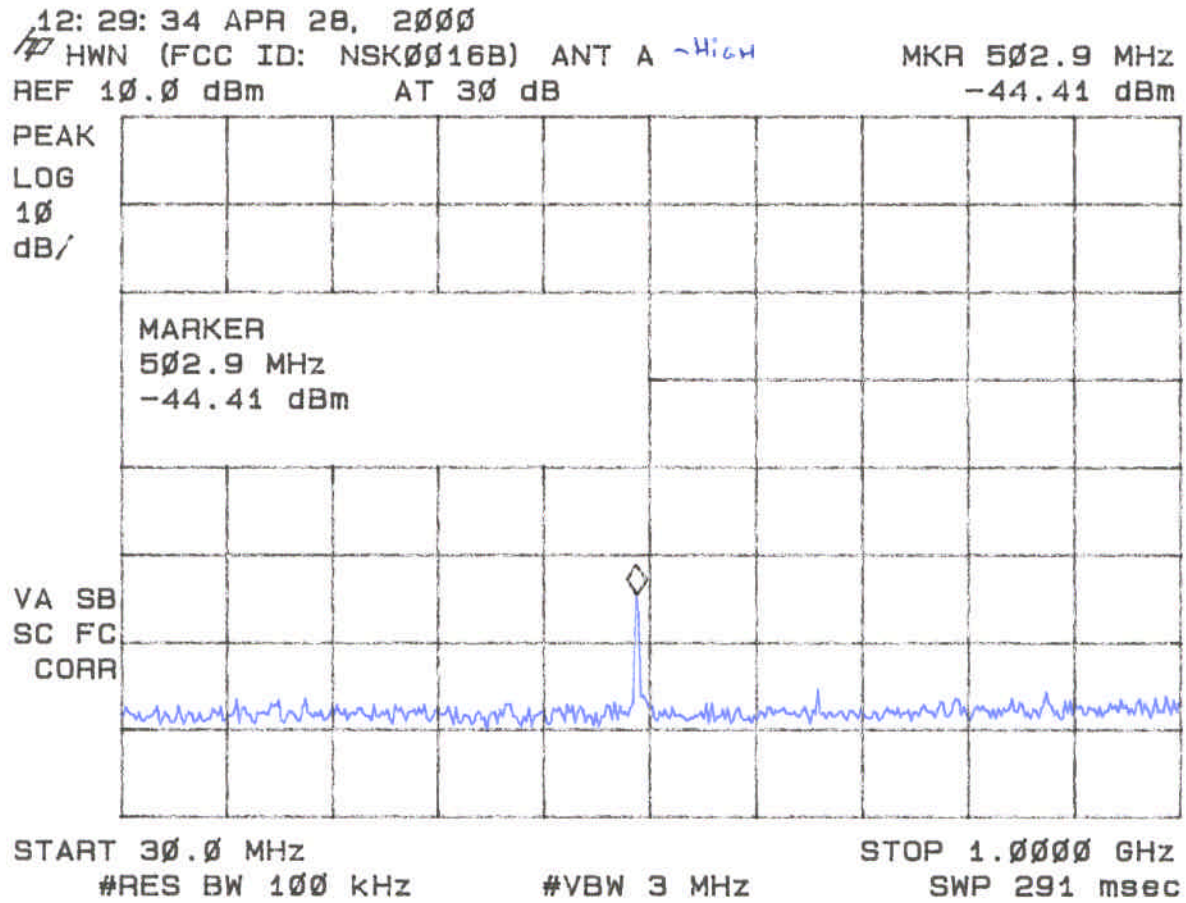


Figure 4j
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - High)

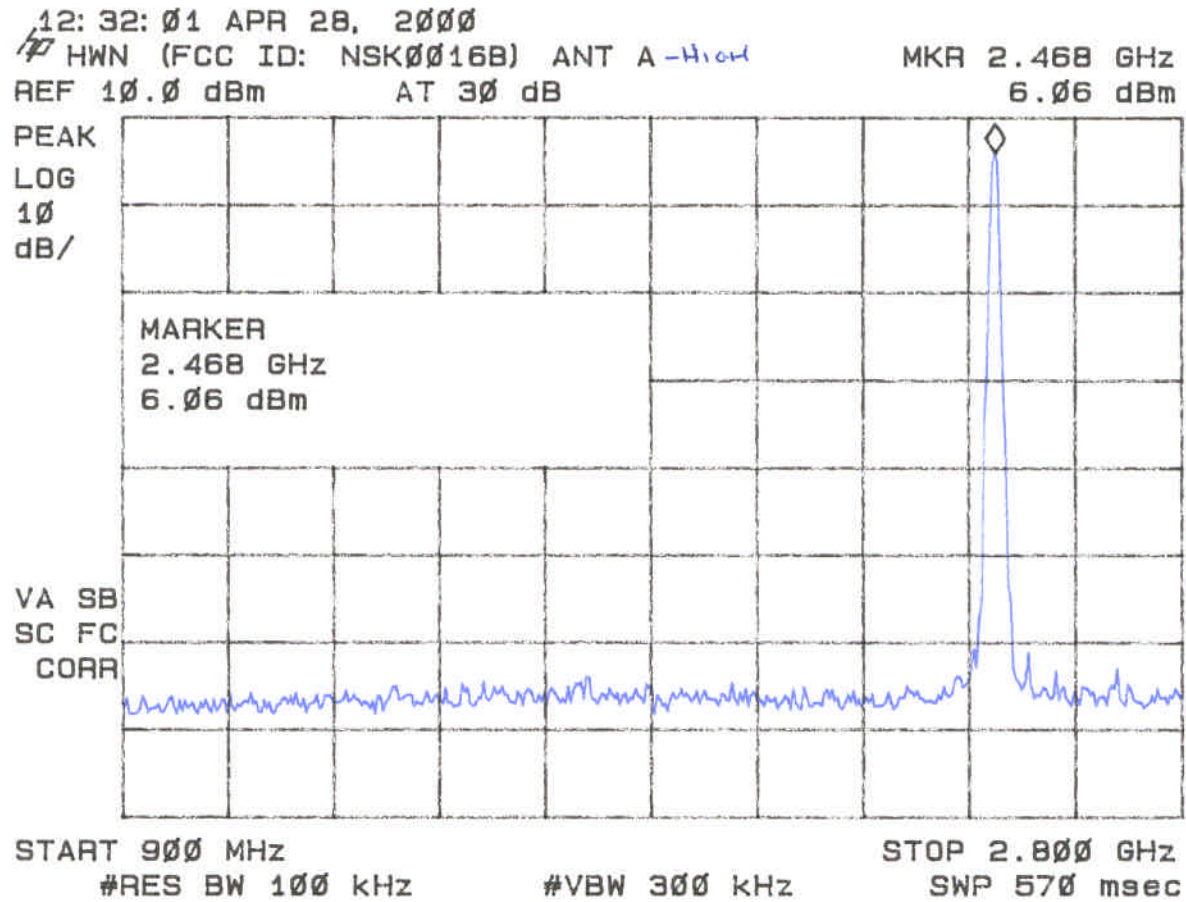


Figure 4k
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - High)

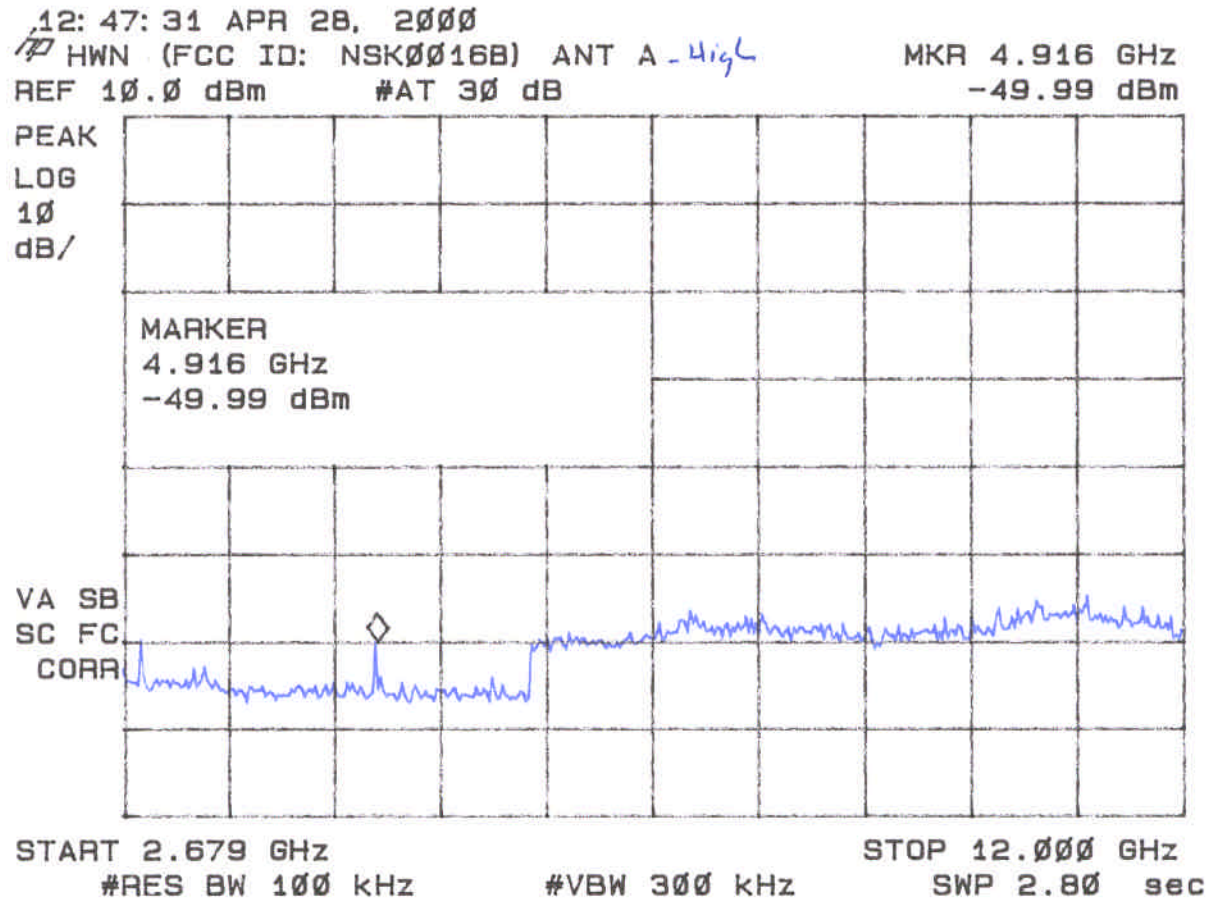


Figure 4I
Antenna Conducted Spurious Emissions 15.247(c) (Antenna A - High)

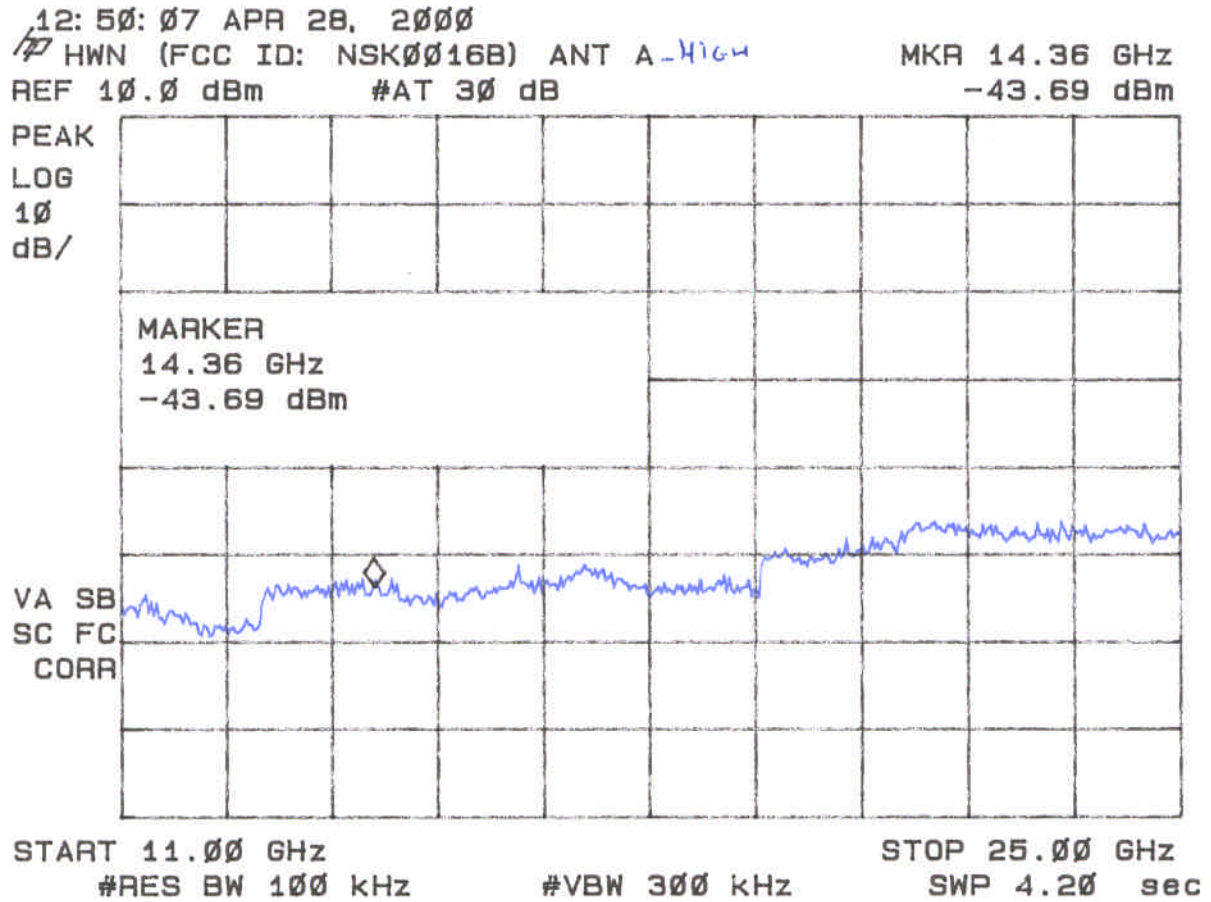


Figure 4m
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - Low)

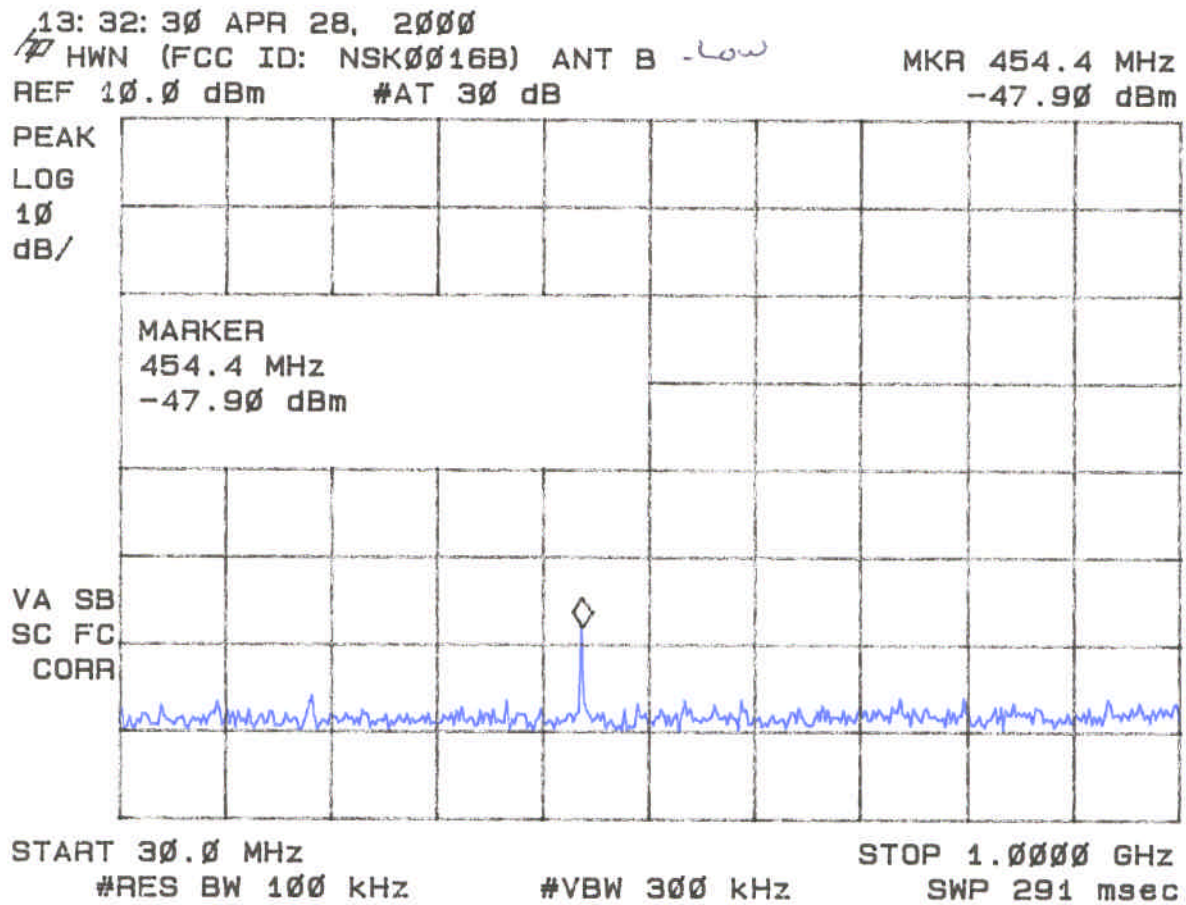


Figure 4n
Antenna Conducted Spurious Emissions 5.247(c) (Antenna B - Low)

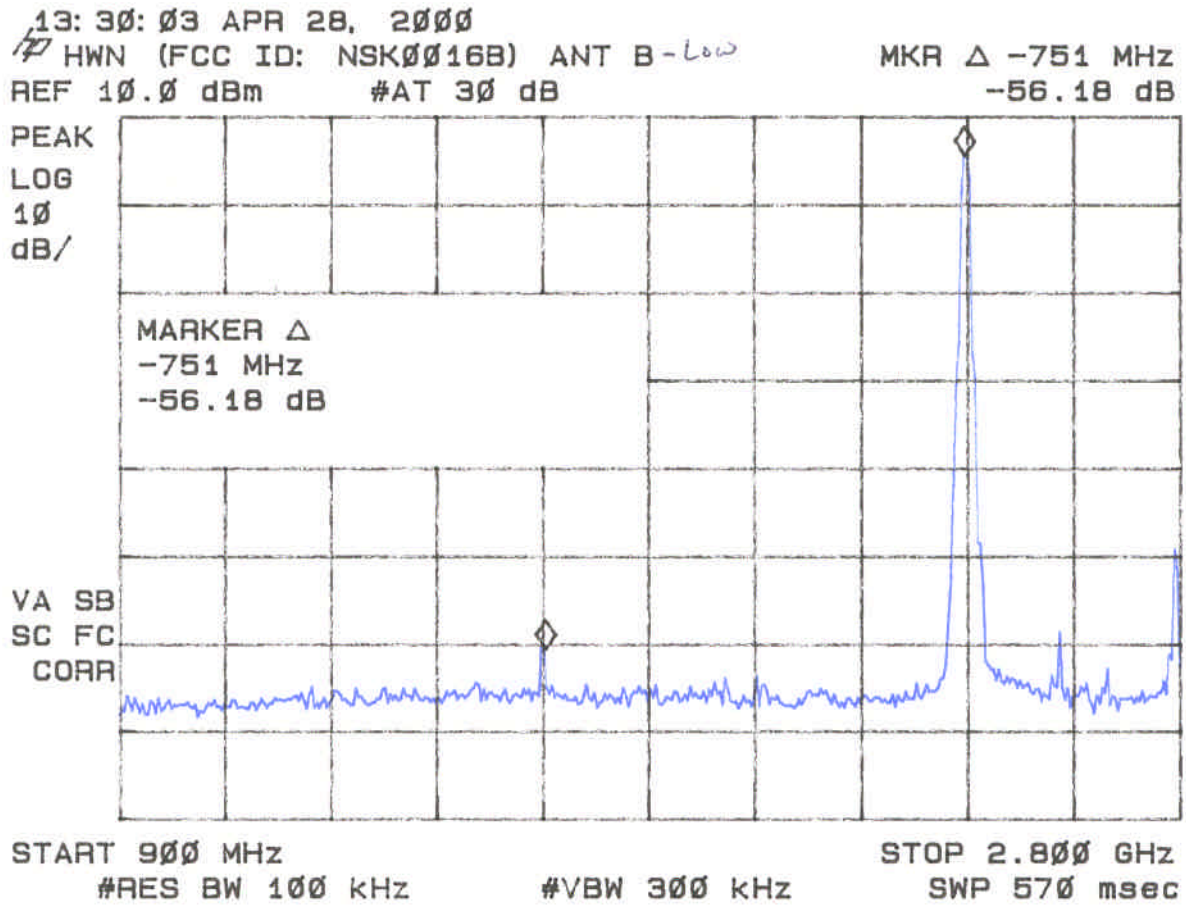


Figure 4o
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - Low)

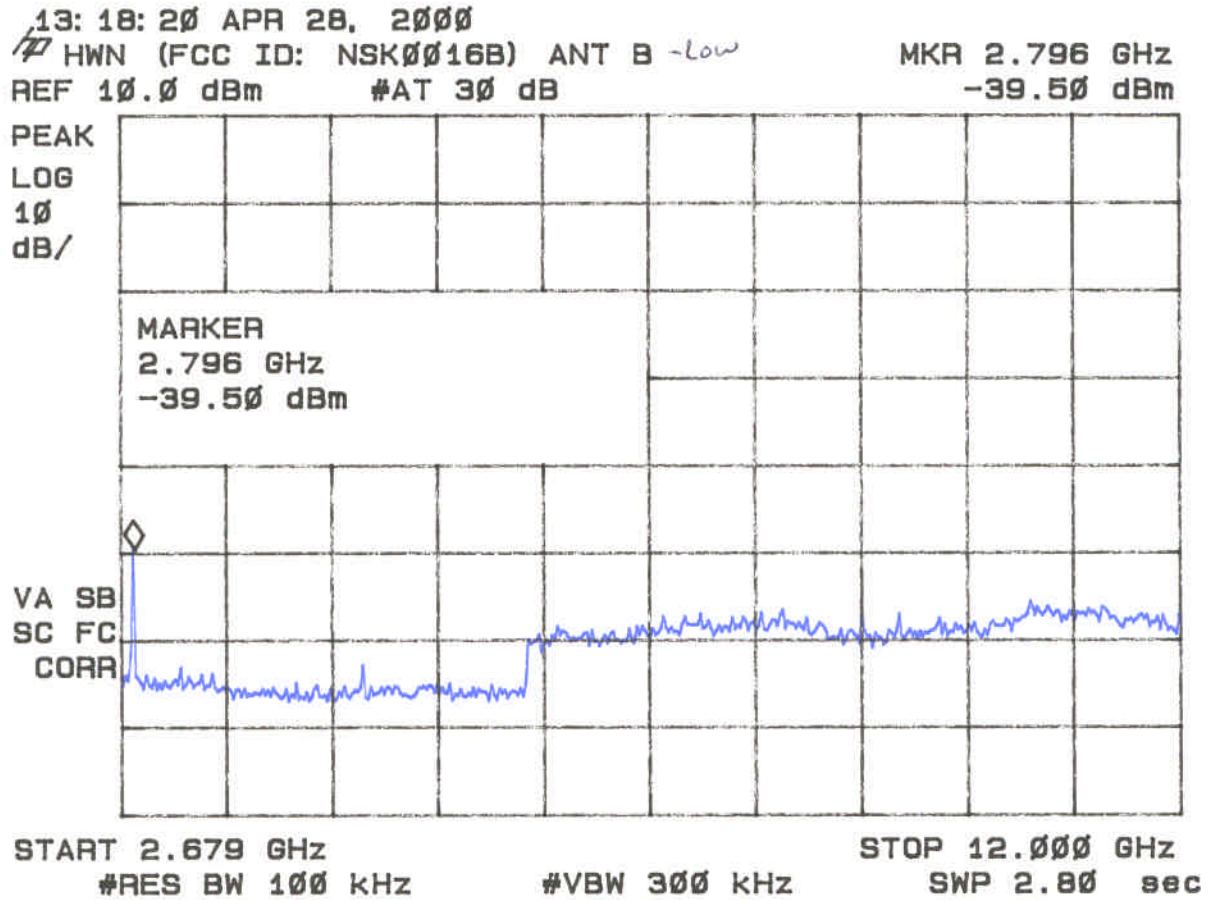


Figure 4p
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - Low)

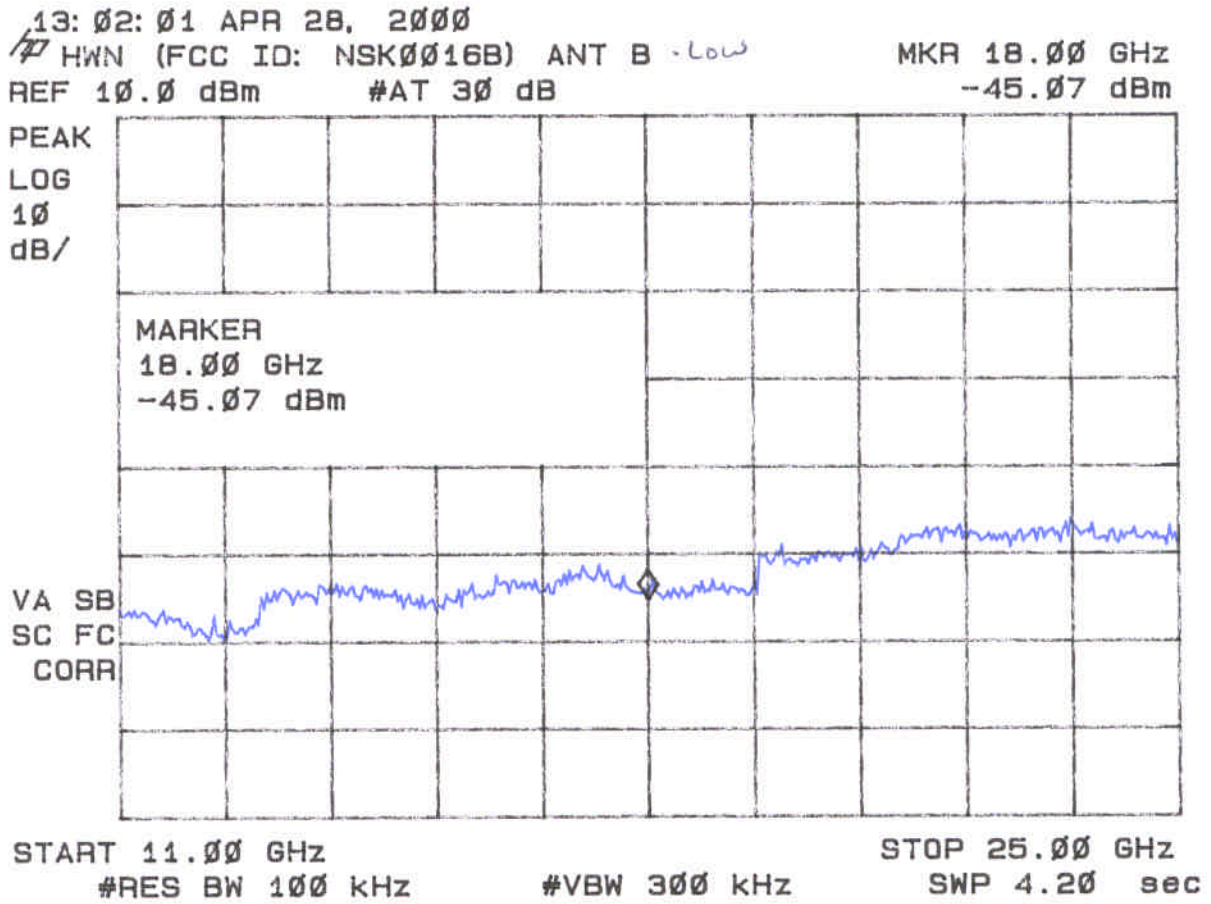


Figure 4q
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - Mid)

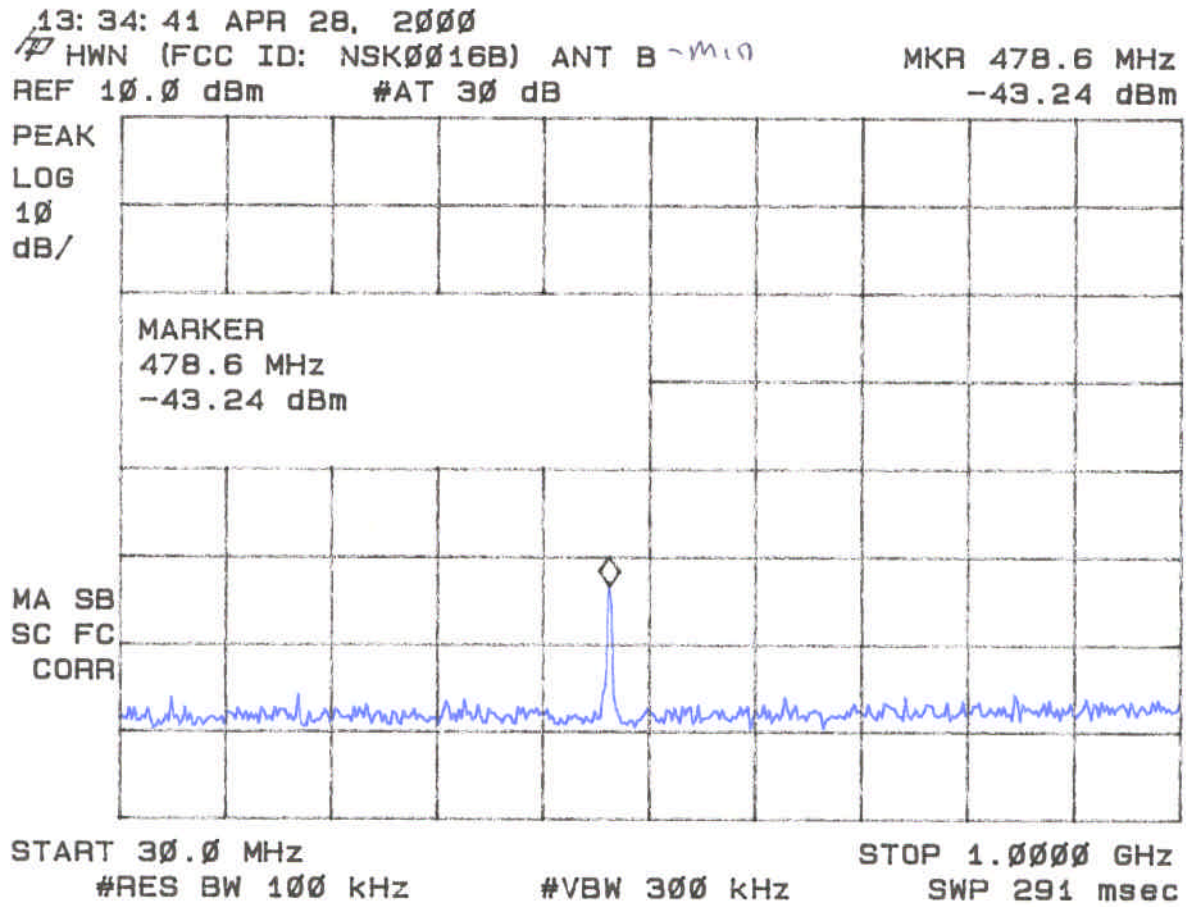


Figure 4r
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - Mid)

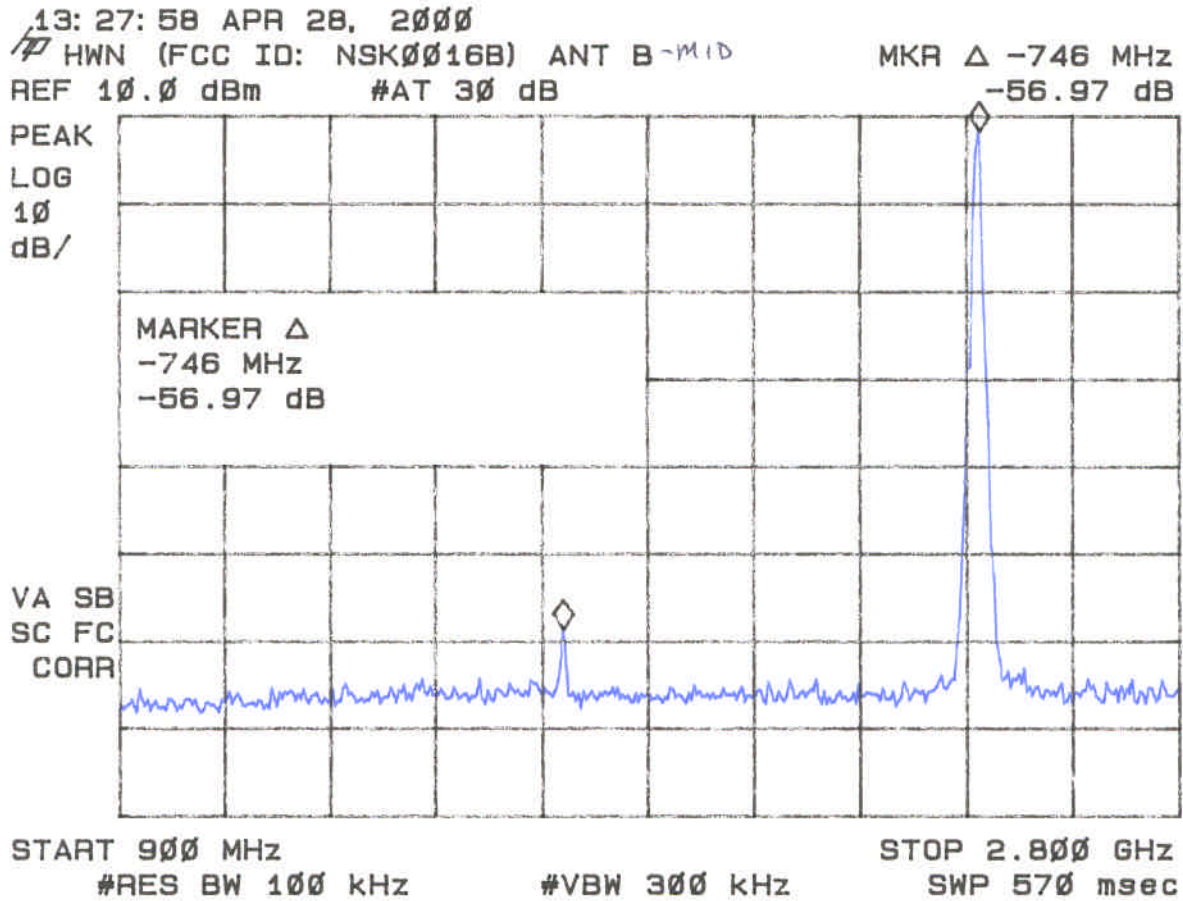


Figure 4s
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - Mid)

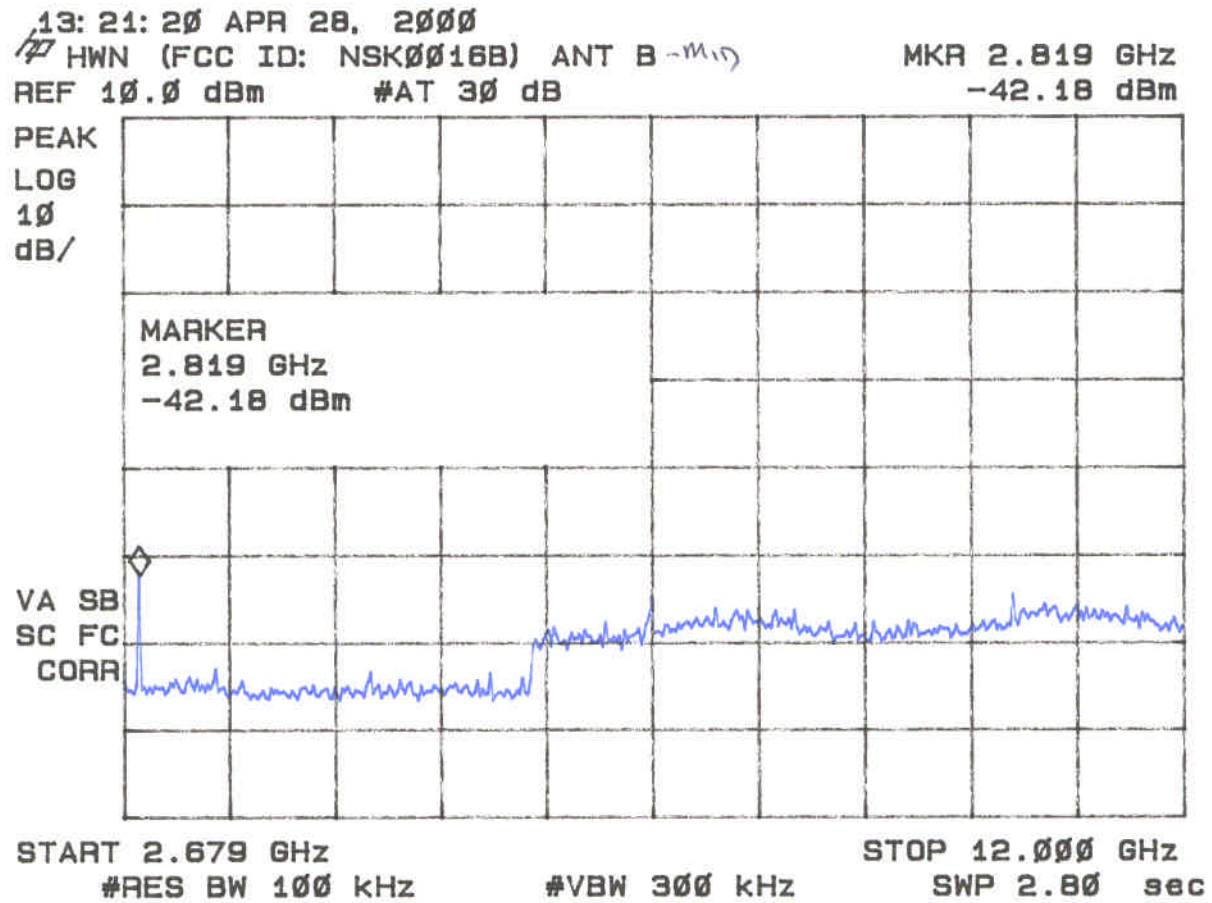


Figure 4t
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - Mid)

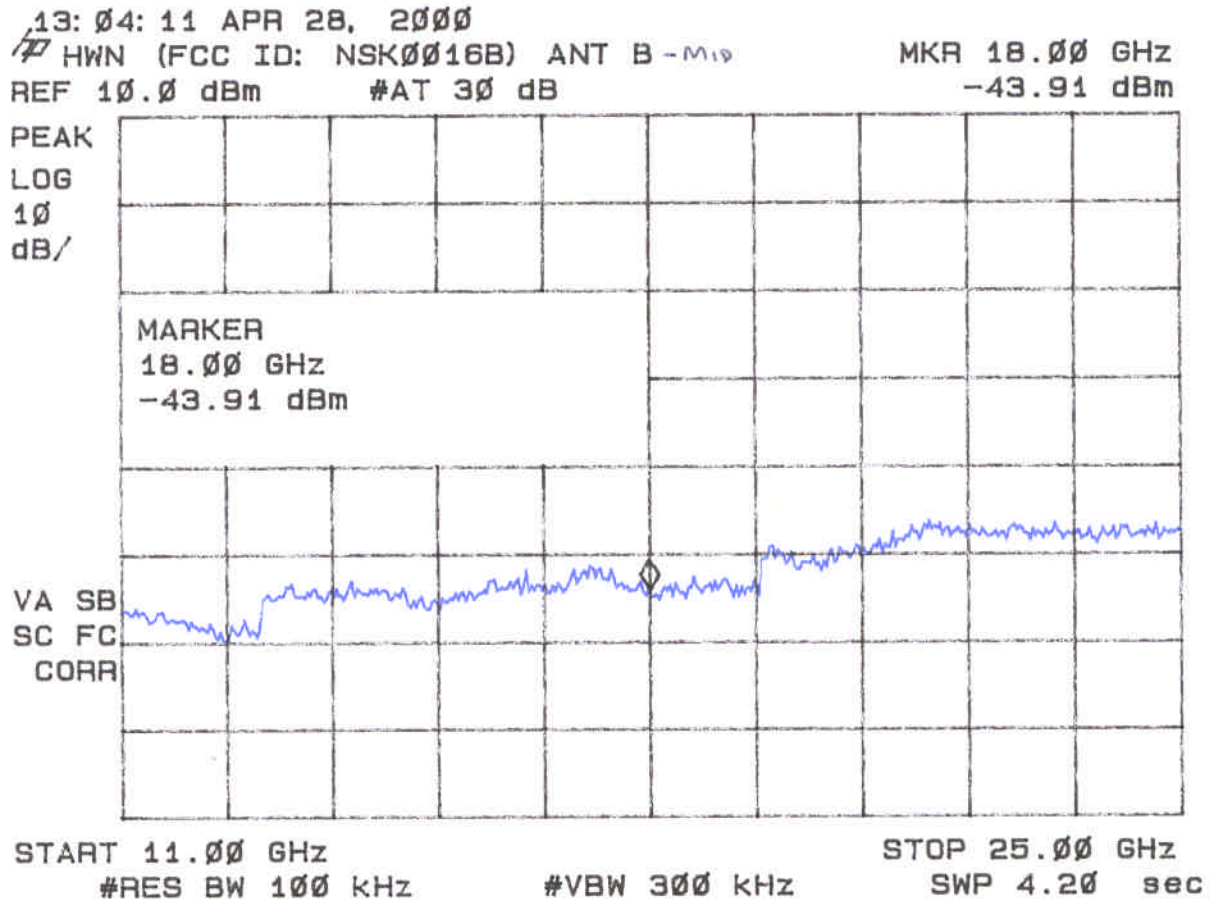


Figure 4u
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - High)

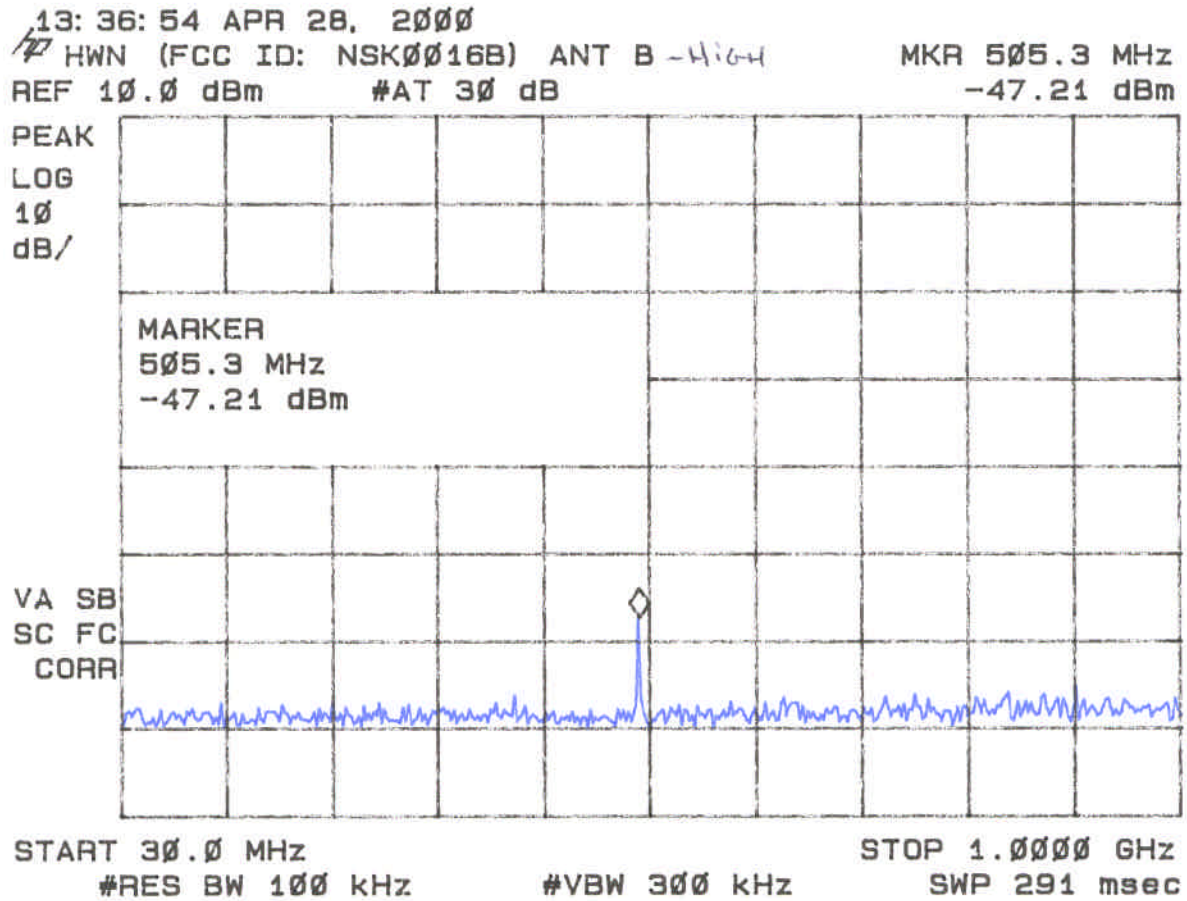


Figure 4v
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - High)

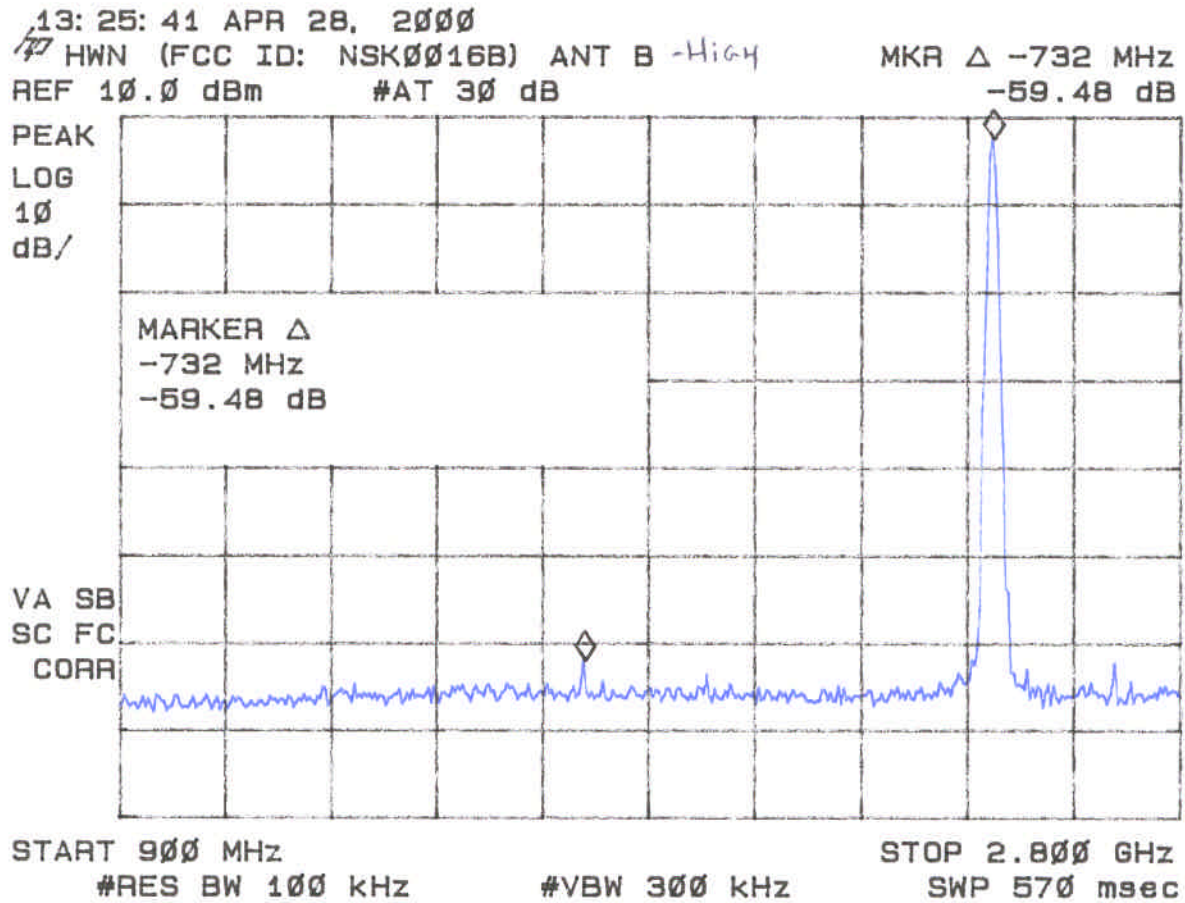


Figure 4w
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - High)

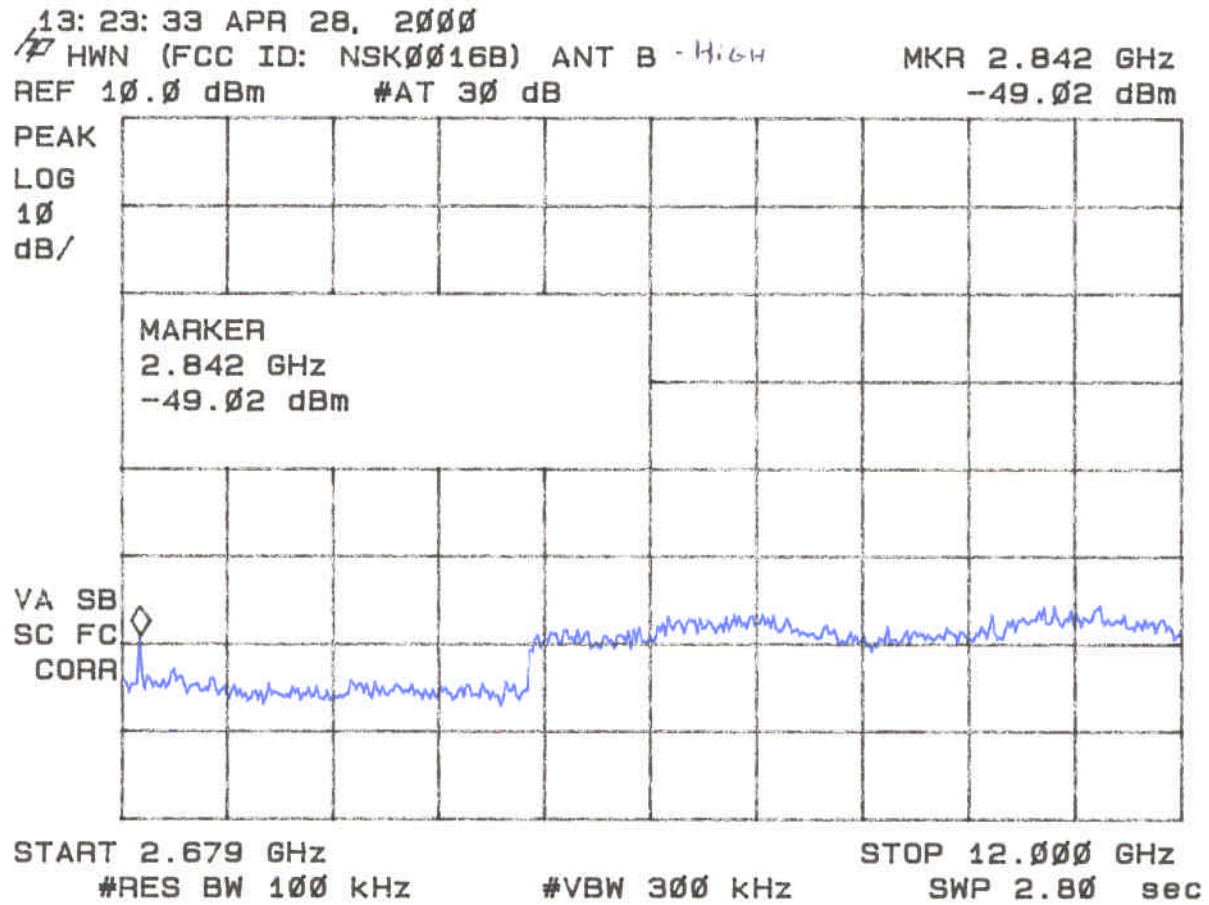


Figure 4x
Antenna Conducted Spurious Emissions 15.247(c) (Antenna B - High)

