

Necessary Bandwidth Description

Source: RTCA Document DO-185A, "Minimum Operational Performance Standards for Traffic and Collision Avoidance System II (TCAS II) Airborne Equipment"

2.2.3.3 Interrogation Spectrum

The spectrum of a TCAS II Mode S or ATCRBS interrogation shall not exceed the following:

Table 2-3 Interrogation Spectrum

Frequency Difference (MHz From Carrier)	Maximum Relative Power (dB Down From Peak)
.GE. 4 and .LT. 6	6
.GE. 6 and .LT. 8	11
.GE. 8 and .LT. 10	15
.GE. 10 and .LT. 20	19
.GE. 20 and .LT. 30	31
.GE. 30 and .LT. 40	38
.GE. 40 and .LT. 50	43
.GE. 50 and .LT. 60	47
.GE. 60 and .LT. 90	50
.GE. 90	60