

Transmit Composite Noise Radio Comparisons

**By Rob Sherwood, NC0B
and Robi Vilhar, S53WW**

	Radio	Offset Frequency		
		10 kHz	20 kHz	100 kHz
▲	Apache 7000DLE	-145	-147	-151
▲	Flex 6700	-143	n/a	-148
▲	K3S	-141	n/a	-143
▲	FTdx-101D	-137	-138	-141
▲	@FTdx-101D	-134	-137	-140
▲	FTdx-101MP	-134	-136	-139
▲	@K3	-133	-140	-149
▲	FTdx10	-130	-131	-135
▲	IC-7851	-129	n/a	-138
▲	@IC-7610	-129	-133	-141
▲	IC-7610	-128	-130	-142
▲	@FT-1000 MP	-123	-129	-133
▲	@IC-7600	-122	-130	-142
▲	Flex 6400	-122	-127	-139
▲	IC-705 ^	-121	-122	-128
▲	IC-7300	-121	-121	-124
▲	FTdx-3000	-120	n/a	-121
▲	TS-890S	-119	-127	-139
▲	@TS-590SG	-119	-133	-139
▲	@Flex 6600	-118	-123	-141
▲	@TS-890S	-117	-127	-138
▲	@FT-2000	-117	-127	-130
▲	@Flex 1500 #	-116	-119	-120
▲	@IC-7300 *	-112	-112	-118
▲	IC-7300 +	-110	-109	-116

▲ BETTER

▼ WORSE

NOTES

Data sorted by 10 kHz composite noise column
 Results shown in dBc/Hz using
 Measurements made on 20 meters
 TX power: 100 Watts, (unless indicated)
 Robi Vilhar's (S53WW) data was measured using
 a QS1R SDR Receiver; (data preceded by @)
 Rob Sherwood's (NC0B) data was measured
 using a Perseus SDR Receiver

LEGEND

n/a = data not available
 ^ Power at 10 watts IC-705
 # Power at 5 watts Flex 1500
 * Measured at 50 watts for IC-7300
 + Measured at 30 watts for IC-7300
 @ [Model] = data from Robi Vilhar, S53WW

Note: although we used two different types of receivers, where we measured the same model of transceiver, the data correlation was reasonably good. We are comfortable publishing this combined chart.