

Comparison table for MRS, IMDDR etc

Maker	Model	MRS 14MHz BW:500Hz [-dBm]	LO Phase Noise 1/10kHz [-dBc/Hz]	MDS 14MHz BW:500Hz [-dBm]	TT_TO IMD_DR 2kHz [dB]	TO_DRNS 2kHz [dB]	RMDR 1kHz [dB]	RMDR 2kHz [dB]	Latency BW:500Hz [ms]	Pre Distortion	Diversity
Apache	ANAN-8000DLE	135	138/153	133	100	103	113	110	20	○	○
Apache	ANAN-7000DLE	135	138/153	133	100	103	108	110	20	○	○
Apache	ANAN-200D	135	138/153	135	96	64 (99)	110	110	132	○	○
Apache	ANAN-100D	135	138/153	135	96	64 (99)	110	110	132	○	○
Flex	FLEX 6700	127	130/147	119	103	96 (108)	114	116	162	×	○
Flex	FLEX 6600	127	130/147			99		115	105	×	×
Flex	FLEX 6500	127	130/147	120	101			115	162	×	×
Elecraft	K3S	116	125/135	135	104	105		115		×	○
Elecraft	K3	116	125/135	130	100	104 (107)		114		×	○
Elecraft	Old K3	(106)	(115/125)								
Kenwood	TS-990	113	125/135	128	101	87		87	17.6	×	×
Kenwood	TS-890S				110			112		×	×
Kenwood	TS-590SG	116	125/135	129	106	92		94		×	×
ICOM	IC-7851	128	140/150	121	110	105	114	114	16.8	×	×
ICOM	IC-7610		NA		92 (99)	90 (98)	113	112	12.7	×	×
ICOM	IC-7300		NA	133	77 (100)	84 (97)	100	101	7.4	×	×
Yaesu	FTdx9000	113	125/135	119	85			92		×	×
Yaesu	FTdx3000	113	125/135	127	100	82		92		×	×
Yaesu	FTdx101D									×	×
Expert	ColibriNANO				49 (84)			112			×
Expert	MB1	121	124/136	123	72 (78)		128	65		×	×
Expert	SunSDR2 Pro	121	124/136	123	72 (78)		128	65		×	×

(PreAmp OFF) (PreAmp OFF/(ON)) (AB40J) (ARRL)

Above data gathered from QST Product Review etc

Necessary and sufficient conditions

1. MRS $< -125\text{dBm}$ (Calculation Values)
2. TT_TO_IMD_DR 2kHz: $\geq 100\text{dB}$
3. LO Phase Noise 1kHz: $< -130\text{dBc/Hz}$
5. Latency $\leq 20\text{ms}$
6. Pre Distortion: ○
7. Diversity: ○