

		Handheld - Small	Handheld - Smartphone	Handheld - Rugged	Asset Tracking	Portable	Semi-Fixed (Cobham Antenna)	Semi-Fixed (Hughes Antenna)	Vehicular - Large	Vehicular- Small	Maritime – Large	Maritime - Small
<b>Antenna Model</b>		MexSat Low Profile (RUT)	MexSat Stub (RUT)	MexSat Stub (RUT)	MexSat Stub (RUT)	MexSat Portable (RUT)	MexSat Semi-Fixed (RUT)	MexSat Semi-Fixed (RUT)	MexSat Vehicular Large (RUT)	MexSat Vehicular Small (RUT)	MexSat Maritime Large (RUT)	MexSat Maritime Small (RUT)
<b>Antenna Manufacturer</b>		Hughes	Maxtena	Maxtena	Maxtena	Scan Antenna A/S	Cobham Antenna systems	Hughes	Spacecom	Spacecom	Spacecom	Spacecom
<b>Number of Units</b>		5	5	5	5	5	5	5	5	5	5	5
<b>Antenna transmit gain</b>	- dBi @ 1626.5-1660.5 MHz	-0.36	1.5	1.5	1.5	11.8	17	13.2	11.98	10.75	11.98	10.6
<b>Antenna receive gain</b>	- dBi @ 1525.0 to 1559.0 MHz	-0.36	1.5	1.5	1.5	12	17	12.5	12.64	10.55	11.52	10.4
<b>Terminal High Power Amplifier Power Output</b>	- Watts	0.3	1.0	1.0	1.0	0.7	0.6	1.5	4.0	2.7	4.0	2.8
<b>Terminal max EIRP</b>	- dBW (W)	-5 (0.3)	1.5 (1.4)	1.5 (1.4)	1.5 (1.4)	10.2 (10.5)	15 (31.6)	15 (31.6)	18 (63.1)	15 (31.6)	18 (63.1)	15 (31.6)

<b>Directional</b>		No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Beamwidth</b>		N/A	N/A	N/A	N/A	3 dB	3 dB	3 dB	3 dB	3 dB	3 dB	3 dB
<b>Horizontal Orientation (+/- deg)</b>		N/A	N/A	N/A	N/A	22	12	17	10	25	18	18
<b>Vertical Orientation (+/- deg)</b>		N/A	N/A	N/A	N/A	22	12	17	24	20	22	28
<b>Tx Polarization</b>		LHCP	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP
<b>Tx Max bandwidth</b>		117ksps	117ksps	117ksps	117ksps	117ksps	117ksps	117ksps	117ksps	117ksps	117ksps	117ksps
<b>Tx Min bandwidth</b>		23.4ksps	23.4ksps	23.4ksps	23.4ksps	23.4ksps	23.4ksps	23.4ksps	23.4ksps	23.4ksps	23.4ksps	23.4ksps
<b>Modulation</b>		$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK	$\pi/4$ -QPSK 16-APSK

**Appendix A – Technical Information of METs**