

Comtech Mobile Datacom Corp.
All Site IDs for ROUS (E090027) Post-Grant of Mod

	<i>Last Updated:</i>																
	1/6/2011													<u>Satellites and Coverage Areas</u>			
Site ID	MET	<u>Antenna #</u>	<u>Model Number</u> <i>E31</i>	<u>Manuf</u> <i>E30</i>	<u>Dia</u> <i>E32</i>	<u>Max EIRP/Carrier</u> (dBW) (1.6 freq) <i>E48</i>	<u>Max EIRP Density/Carrier</u> (dBW/4kHz) (1.6 freq) <i>E49</i>	<u>Mod/Services</u> <i>E50</i> <i>(see end)</i>	<u>Max Gains</u> @1.5450, @1.6450 <i>E41 E42</i>	<u>Total Input Power @ Antenna Flange</u> (watts) <i>E38</i>	<u>Total EIRP for All Carriers</u> (dBW) <i>E40</i>	<u>Max EIRP Density Towards the Horizon</u> (dBW/4kHz) (1.6 freq) <i>E60</i>	<u>Emission Designator</u>	<u>ISAT</u>	<u>SkyTerra</u>	<u>MSAT 1/2</u>	<u>License</u>
SkyTerra - 202	MTM202	5-202/EXT	S65-8282-301	Sensor Systems	0.27 quad helix	11.2	5.4	Basic1 +AERO	3.5, 3.9	5.3	11.2	1.9	270KG7W		ALL		ROUS
ISAT-ROUS/CONUS 202	MTM202	5-202/EXT	S65-8282-301	Sensor Systems	0.27 quad helix	11.2	5.4	Basic1 +AERO	3.5, 3.9	5.3	11.2	1.9	200KG7W	ALL			ROUS
MSV-ROUS	CMT-500	11-C50/INT	CMT-500	PCTel	0.1524 circ patch	10	4.2	Basic1 +M, LMo	4.5,4.5	5.3	10	-3.5	168KG1D			AK, HI & USTP	ROUS
MSAT 1&2 TP	MT2010	1-2010/INT	MT-2010 internal	SCI Systems	0.15 quad helix	10.2	4.4	Basic1 +M, LMo	2.9, 2.9	5.3	10.2	-1	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2010	2-2010/EXT	S65-8582-101	Sensor Systems	0.15 quad helix	12.1	6.3	Basic1 +AERO	4.3, 4.8	5.3	12.1	1.5	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2010	3-2010/EXT	MT-2010 external	SCI Systems	0.06 patch	11.3	5.5	Basic1 +M, LMo	4.0,4.0	5.3	11.3	-1	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2010	4-2010/INT	MT-2010 r1 Internal	SCI Systems	0.15 quad helix	12.3	6.5	Basic1 +M, LMo	5.0, 5.0	5.3	12.3	-1	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2011	2-2011/EXT	S65-8582-101	Sensor Systems	0.15 quad helix	12.1	6.3	Basic1 +AERO	4.3, 4.8	5.3	12.1	1.5	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2011	5-2011/EXT	S65-8282-301	Sensor Systems	0.27 quad helix	11.2	5.4	Basic1 +AERO	3.5, 3.9	5.3	11.2	1.9	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2011	6-2011/INT	3481HZ-3	PCTel	0.18 patch	11	5.2	Basic1 +M, LMo	3.7,3.7	5.3	11	-1	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2011	7-2011/INT	3491HZ-3	PCTel	0.18 patch	13.3	7.5	Basic1 +M, LMo	6.0,6.0	5.3	13.3	-3.5	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2012	5-2012/EXT	S65-8282-301	Sensor Systems	0.27 quad helix	11.2	5.4	Basic1 +AERO	3.5, 3.9	5.3	11.2	1.9	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2012	6-2012/INT	3481HZ-3	PCTel	0.18 patch	11	5.2	Basic1 +M, LMo	3.7,3.7	5.3	11	-1	168KG1D			USTP	ROUS
MSAT 1&2 TP	MT2012	7-2012/INT	3491HZ-3	PCTel	0.18 patch	13.3	7.5	Basic1 +M, LMo	6.0,6.0	5.3	13.3	-3.5	168KG1D			USTP	ROUS

USTP = US territories and possessions within footprint of satellite
ALL = CONUS, AK, HI, and USTP

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Site ID	MET	Antenna #	Model Number <i>E31</i>	Manuf <i>E30</i>	Dia <i>E32</i>	Max EIRP/Carrier (dBW) (1.6 freq) <i>E48</i>	Max EIRP Density/Carrier (dBW/4kHz) (1.6 freq) <i>E49</i>	Mod/Services <i>E50</i> (see end)	Max Gains @1.5450, @1.6450 <i>E41 E42</i>	Total Input Power @ Antenna Flange (watts) <i>E38</i>	Total EIRP for All Carriers (dBW) <i>E40</i>	Max EIRP Density Towards the Horizon (dBW/4kHz) (1.6 freq) <i>E60</i>	Emission Designator	ISAT	SkyTerra	MSAT 1/2	License
MSAT 1&2 TP	MTM202	5-202/EXT	S65-8282-301	Sensor Systems	0.27 quad helix	11.2	5.4	Basic1 +AERO	3.5, 3.9	5.3	11.2	1.9	168KG1D			USTP	ROUS
MSAT 1&2 TP	MTM203	5-203/EXT	S65-8282-301	Sensor Systems	0.27 quad helix	11.2	5.4	Basic1 +AERO	3.5, 3.9	5.3	11.2	1.9	168KG1D			USTP	ROUS
MSAT 1&2 TP	MTM203	6-203/INT	3481HZ-3	PCTel	0.18 patch	11	5.2	Basic1 +M, LMo	3.7, 3.7	5.3	11	-1	168KG1D			USTP	ROUS
MSAT 1&2 TP	MTM203	8-203/EXT	3561AW-1/A	PCTel	0.19 patch	11	5.2	Basic1 +M, LMo	3.7, 3.7	5.3	11	-1	168KG1D			USTP	ROUS
	"Basic1" = DSSS, BPSK, 21,094 to 84,375 CPS and Data +AERO (Aeronautical)												ROUS license -- waiver required for some operations				

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