

**Comtech Mobile Datacom Corp.
Proposed New Site IDs for CONUS (E090029)**

Last Updated:																
12/22/2010																
Site ID	MET	Antenna #	Model Number <i>E31</i>	Manuf <i>E30</i>	Dia <i>E32</i>	Max EIRP/ Carrier	Max EIRP Density/ Carrier	Mod/ Services	Max Gains	Total Input Power @ Antenna Flange	Total EIRP for All Carriers	Max EIRP Density Towards the Horizon	Emission Designator	ISAT ISAT List	Sky Terra	License
						(dBW) <i>(1.6 freq) E48</i>	(dBW/4kHz) <i>(1.6 freq) E49</i>	<i>E50 (see end)</i>	@1.5450, @1.6450 <i>E41 E42</i>	(watts) <i>E38</i>	(dBW) <i>E40</i>	(dBW/4kHz) <i>(1.6 freq) E60</i>				
ISAT-HD	2011, 2012, 203	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	200KG7W	ALL		CONUS
ISAT-HD	2011, 2012, 203	6-2012/INT	3481IZ-3	PCTel	0.18 patch	11	5.2	Basic1 +M, LMo	3.7,3.7	5.3	11	-1	200KG7W	ALL		CONUS
ISAT-HD	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	200KG7W	ALL		CONUS
ISAT-HD	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	200KG7W	ALL		CONUS
ISAT-HD	MT2010	4-2010/EXT	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	200KG7W	ALL		CONUS
ISAT-HD	MT2010, MT2011	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	200KG7W	ALL		CONUS
ISAT-HD	MT2011, MT2012	7-2012/INT	3491IZ-3	PCTel	0.18 patch	13.3	7.5	Basic1 +M, LMo	6.0,6.0	5.3	13.3	-3.5	200KG7W	ALL		CONUS
ISAT-HD	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	200KG7W	ALL		CONUS
SKYTERRA	2011, 2012, 203	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	270KG7W		ALL	CONUS
SKYTERRA	2011, 2012, 203	6-2012/INT	3481IZ-3	PCTel	0.18 patch	11	5.2	Basic1 +M, LMo	3.7,3.7	5.3	11	-1	270KG7W		ALL	CONUS
SKYTERRA	ASDR (full duplex)	9-ASDR/INT	CMDC-999-2020-PA	CMDC	0.315 quad helix array	13	7.2	Basic2 +LMo	11.0, 11.0	1.6	13	4.2	270KG7W		ALL	CONUS
SKYTERRA	ASDR-O (full duplex)	10-ASDO/INT	CMDC-999-2021-PA	CMDC	0.047 patch	8.5	2.7	Basic2 +LMo	2.5,2.5	4	8.5	-3	270KG7W		ALL	CONUS
SKYTERRA	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	270KG7W		ALL	CONUS
SKYTERRA	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	270KG7W		ALL	CONUS
SKYTERRA	MT2010	4-2010/EXT	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	270KG7W		ALL	CONUS
SKYTERRA	MT2010, MT2011	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	270KG7W		ALL	CONUS

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

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						(dBW) <i>(1.6 freq)</i> <i>E48</i>	(dBW/4kHz) <i>(1.6 freq)</i> <i>E49</i>	<i>E50</i> <i>(see end)</i>	@1.5450, @1.6450 <i>E41 E42</i>	(watts) <i>E38</i>	(dBW) <i>E40</i>	(dBW/4kHz) <i>(1.6 freq)</i> <i>E60</i>				
SKYTERRA	MT2011, MT2012	7-2012/INT	3491IZ-3	PCTel	0.18 patch	13.3	7.5	Basic1 +M, LMo	6.0.6.0	5.3	13.3	-3.5	270KG7W		ALL	CONUS
SKYTERRA	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	270KG7W		ALL	CONUS
"Basic1" = DSSS, BPSK, 21,094 to 84,375 CPS and Data														CONUS license -- no waiver required		
"Basic2" = DSSS, BPSK, 21,094 to 157,500 CPS, and Data																
+M (Marine) or +AERO (Aeronautical) and/or +LMo (Land Mobile)																

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