

Multicomm Sciences Int'l, Inc



Wireless Engineering Services

FCC - Satellite - Microwave - Lightguide
Frequency Coordination - Path Surveys
Radiation Hazard Testing - CAD & Route Mapping

Mail@MulticommSciences.com

266 West Main Street
Denville, NJ 07834

Phone: 973-627-7400

Fax: 973-625-1002

<http://www.MulticommSciences.com>

FREQUENCY COORDINATION REPORT

4 GHZ RECEIVE-ONLY EARTH STATION

HOME TOWN CABLE PLUS

PORT ST LUCIE, FL

MARCH 1, 2006

1. CONCLUSIONS

An Interference Study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed Earth Station demonstrates that this site will operate satisfactorily with the Common Carrier Microwave Environment as defined on the frequency coordination data sheet.

2. SUMMARY OF RESULTS

There were no potential great circle interference cases at 6 GHz.

There were no reported cases of rain scatter beam intersections.

3. **SUPPLEMENTAL SHOWING**

The Satellite Earth station proposed in this Application was coordinated by Multicomm Sciences International, Inc., Frequency Coordinators Group, using computer techniques and in accordance with Parts 25 of the FCC Rules and Regulations.

4. **FREQUENCY COORDINATION DATA**

Frequency Coordination Data which is attached, contains the following:

Technical Characteristics of Proposed Earth Station

5. **FREQUENCY COORDINATION STATEMENT (FCC PART 101)**

Holders of licenses, permittees, prior filed applicants or planners of 6 GHz transmitting stations were notified on February 1, 2006 of the proposed Earth Station technical details in accordance with Section 25.203 (c-2) of the FCC Rules and Regulations. Satisfactory coordination was achieved on the basis that harmful interference would not occur, or that sufficient terrestrial blocking exists.

MCI Communication Services, Inc.

6. **Certification of Person Responsible for Preparing Frequency Coordination Information Submitted in this Application**

I hereby certify that I am the technically qualified person responsible for preparation of the frequency coordination information contained in this application; that I am familiar with Parts 101 and 25 of the Commission's Rules; that I have either prepared or reviewed the frequency coordination information submitted in this application; and, that it is complete and accurate to the best of my knowledge.



Janine I. Miliband.
Manager, Frequency Coordination Services
MSI Frequency Coordinators Group
Multicomm Sciences International, Inc.
March 1, 2006

SATELLITE EARTH STATION
FREQUENCY COORDINATION DATA
01/27/06

COMPANY NAME:	HOME TOWN CABLE PLUS
EARTH STATION LOCATION:	PORT ST. LUCIE, FL
LATITUDE(DMS):	27 15 58 (NAD83)
LONGITUDE(DMS):	80 25 31
SITE GROUND ELEVATION(FT. AMSL):	23.0
ANTENNA CENTER LINE(FT)	16.0
ANTENNA TYPE:	ATCI
	SIMULSAT 5 MULTIBEAM
ANTENNA DIAMETER(METERS):	5.0
4 GHZ ANTENNA GAIN(DBI):	44.0
15 DB HALF BEAMWIDTH(DEG):	1.00
OPERATING MODE:	R/O
RECEIVE BAND(MHZ):	3700-4200
EMISSION DESIGNATOR	36MOF3F;36MOG1F
MODULATION:	ANALOG;DIGITAL
MAX. AVAILABLE RF POWER(DBW/4KHZ):	.0
(DBW/MHZ):	.0
MAX. EIRP (DBW/4KHZ):	.0
(DBW/MHZ):	.0
MAX. PERMISSIBLE INTERFERENCE POWER	
4 GHZ 20%(DBW)	-156.0
4 GHZ 0.0100%(DBW)	-140.0
SATELLITE ARC (MIN/MAX)	70/140 DEG
AZIMUTH	158.1/254.9 DEG
ELEVATION	56.1/ 18.5 DEG
RADIO CLIMATE	A
RAIN ZONE	1
MAXIMUM GREAT CIRCLE COORDINATION DISTANCE(KM)	
4 GHZ	288.7
PRECIPITATION SCATTER CONTOUR RADIUS(KM)	
4 GHZ	175.1

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AZIMUTH	HORIZON	DISC	HORIZON	4GHZ COORD	6 GHZ	RAIN4	RAIN6
DEGREES	ANGLE	ANGLE	GAIN DBI	DISTANCE	DISTANCE	SCATTER	SCATTER
	DEGREES	DEGREES		KM	KM	KM	KM
5.	.0	163.3	-10.0	214.6	.0	175.1	.0
10.	.0	158.5	-10.0	214.6	.0	175.1	.0
15.	.0	153.7	-10.0	214.6	.0	175.1	.0
20.	.0	149.1	-10.0	214.6	.0	175.1	.0
25.	.0	144.5	-10.0	214.6	.0	175.1	.0
30.	.0	139.9	-10.0	214.6	.0	175.1	.0
35.	.0	135.3	-10.0	214.6	.0	175.1	.0
40.	.0	130.8	-10.0	214.6	.0	175.1	.0
45.	.0	126.3	-10.0	214.6	.0	175.1	.0
50.	.0	121.8	-10.0	214.6	.0	175.1	.0
55.	.0	117.4	-10.0	214.6	.0	175.1	.0
60.	.0	113.0	-10.0	214.6	.0	175.1	.0
65.	.0	108.7	-10.0	214.6	.0	175.1	.0
70.	.0	104.5	-10.0	214.6	.0	175.1	.0
75.	.0	100.3	-10.0	214.6	.0	175.1	.0
80.	.0	96.2	-10.0	214.6	.0	175.1	.0
85.	.0	92.2	-10.0	214.6	.0	175.1	.0
90.	.0	88.3	-10.0	214.6	.0	175.1	.0
95.	.0	84.5	-10.0	214.6	.0	175.1	.0
100.	.0	80.8	-10.0	214.6	.0	175.1	.0
105.	.0	77.3	-10.0	214.6	.0	175.1	.0
110.	.0	73.9	-10.0	214.6	.0	175.1	.0
115.	.0	70.8	-10.0	214.6	.0	175.1	.0
120.	.0	67.8	-10.0	214.6	.0	175.1	.0
125.	.0	65.2	-10.0	214.6	.0	175.1	.0
130.	.0	62.8	-10.0	214.6	.0	175.1	.0
135.	.0	60.7	-10.0	214.6	.0	175.1	.0
140.	.0	59.0	-10.0	214.6	.0	175.1	.0
145.	.0	57.6	-10.0	214.6	.0	175.1	.0
150.	.0	56.7	-10.0	214.6	.0	175.1	.0
155.	.0	56.2	-10.0	214.6	.0	175.1	.0
160.	.0	56.2	-10.0	214.6	.0	175.1	.0
165.	.0	56.5	-10.0	214.6	.0	175.1	.0
170.	.0	57.4	-10.0	214.6	.0	175.1	.0
175.	.0	58.0	-10.0	214.6	.0	175.1	.0
180.	.0	58.2	-10.0	214.6	.0	175.1	.0
185.	.0	58.0	-10.0	214.6	.0	175.1	.0
190.	.0	57.4	-10.0	214.6	.0	175.1	.0
195.	.0	56.2	-10.0	214.6	.0	175.1	.0
200.	.0	54.2	-10.0	214.6	.0	175.1	.0
205.	.0	51.1	-10.0	214.6	.0	175.1	.0
210.	.0	47.4	-9.9	215.2	.0	175.1	.0
215.	.0	43.5	-9.0	221.1	.0	175.1	.0

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AZIMUTH DEGREES	HORIZON ANGLE DEGREES	DISC ANGLE DEGREES	HORIZON GAIN DBI	4GHZ COORD DISTANCE KM	6 GHZ DISTANCE KM	RAIN4 SCATTER KM	RAIN6 SCATTER KM
220.	.0	39.4	-7.9	228.1	.0	175.1	.0
225.	.0	35.2	-6.7	236.2	.0	175.1	.0
230.	.0	31.1	-5.3	245.6	.0	175.1	.0
235.	.0	27.2	-3.9	256.0	.0	175.1	.0
240.	.0	23.8	-2.4	266.9	.0	175.1	.0
245.	.0	21.0	-1.1	277.5	.0	175.1	.0
250.	.0	19.2	-.1	285.6	.0	175.1	.0
255.	.0	18.5	.3	288.7	.0	175.1	.0
260.	.0	19.2	-.1	285.4	.0	175.1	.0
265.	.0	21.1	-1.1	277.2	.0	175.1	.0
270.	.0	23.9	-2.4	266.7	.0	175.1	.0
275.	.0	27.3	-3.9	255.7	.0	175.1	.0
280.	.0	31.2	-5.3	245.4	.0	175.1	.0
285.	.0	35.3	-6.7	236.0	.0	175.1	.0
290.	.0	39.7	-8.0	227.6	.0	175.1	.0
295.	.0	44.1	-9.1	220.1	.0	175.1	.0
300.	.0	48.7	-10.0	214.6	.0	175.1	.0
305.	.0	53.4	-10.0	214.6	.0	175.1	.0
310.	.0	58.1	-10.0	214.6	.0	175.1	.0
315.	.0	62.9	-10.0	214.6	.0	175.1	.0
320.	.0	67.6	-10.0	214.6	.0	175.1	.0
325.	.0	72.5	-10.0	214.6	.0	175.1	.0
330.	.0	77.3	-10.0	214.6	.0	175.1	.0
335.	.0	82.2	-10.0	214.6	.0	175.1	.0
340.	.0	87.1	-10.0	214.6	.0	175.1	.0
345.	.0	91.9	-10.0	214.6	.0	175.1	.0
350.	.0	96.8	-10.0	214.6	.0	175.1	.0
355.	.0	101.8	-10.0	214.6	.0	175.1	.0
360.	.0	106.7	-10.0	214.6	.0	175.1	.0
355.	.0	101.8	-10.0	214.6	.0	175.1	.0
360.	.0	106.7	-10.0	214.6	.0	175.1	.0

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