

2 Corporate Center Drive
Melville, NY 11747
516-577-2000

5817CBXT Radiated Emissions Comparison (7-10-2014)

3 Meter Roof Site Radiated Emissions Report from 5817CBXT Unit, with cables (July 9, 2014)									
Freq. (MHz)	Sense Antenna Polarity (V/H)	THE ORENTATION OF THE UUT (V/H/O)	Meter Reading (dBuV)	Cable/Amp Factor (dB)	Antenna Factor (dB/m)	Conv. Reading (uV/M)	Duty Cycle (%)	Corr. Reading (uV/M)	Limit @ 3M (uV/M)
345.00	V	V	78.71	2.8	15.42	70,557.3	10.0%	7055.7	7,292
690.00	V	V	33.67	4.5	19.90	796.1	10.0%	79.6	729
1035.00	V	V	34.48	6.0	24.05	1,691.1	10.0%	169.1	500
1380.00	V	V	23.12	7.0	26.58	679.9	10.0%	68.0	500
1725.00	V	V	22.63	8.0	28.95	956.5	10.0%	95.7	729
2070.00	V	V	21.48	8.9	30.43	1,101.2	10.0%	110.1	729
2415.00	V	V	22.89	9.8	32.09	1,737.6	10.0%	173.8	729
2760.00	V	V	22.08	10.9	32.03	1,785.2	10.0%	178.5	500
3105.00	V	V	23.26	11.8	32.10	2,266.8	10.0%	226.7	729
3450.00	V	V	22.19	12.2	33.76	2,564.2	10.0%	256.4	729

3 Meter Roof Site Radiated Emissions Report from 5817CBXT Unit, without cables (March 10, 2014)									
Freq. (MHz)	Sense Antenna Polarity (V/H)	THE ORENTATION OF THE UUT (V/H/O)	Meter Reading (dBuV)	Cable/Amp Factor (dB)	Antenna Factor (dB/m)	Conv. Reading (uV/M)	Duty Cycle (%)	Corr. Reading (uV/M)	Limit @ 3M (uV/M)
344.94	V	V	79.24	2.5	14.92	68,076.90	10.00%	6808	7,289
689.88	V	V	33.44	3.7	20.1	729.5	10.00%	72.9	729
1034.8	V	V	40.31	4.7	24.82	3,101.00	10.00%	310.1	500
1379.8	V	V	28.94	5.6	26.5	1,128.50	10.00%	112.8	500
1724.7	V	V	29.06	6.3	29	1,644.40	10.00%	164.4	729
2069.6	V	V	27.13	7.3	30.78	1,811.30	10.00%	181.1	729
2414.6	V	V	27.74	8.1	32.16	2,500.30	10.00%	250	729
2759.5	V	V	25.9	8.6	31.84	2,077.30	10.00%	207.7	500
3104.5	V	V	27.46	9.1	32.13	2,721.10	10.00%	272.1	729
3449.4	V	V	23.82	10	33.85	2,409.90	10.00%	241	729

Comparison from Orig and New Report		
Unit without Cables	Unit with Cables	Δ dB
Corr. Reading (uV/M)	Corr. Reading (uV/M)	
6807.7	7055.7	0.3
72.9	79.6	0.8
310.1	169.1	-5.3
112.8	68.0	-4.4
164.4	95.7	-4.7
181.1	110.1	-4.3
250.0	173.8	-3.2
207.7	178.5	-1.3
272.1	226.7	-1.6
241.0	256.4	0.5