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Structural Evaluation	
ATC Site Number & Name	**88018, Stamford (Katoona), CT**
Carrier Site Number & Name	**HAR017A, Stamford**
Site Location	Catoona Lane Stamford, CT 06902-4573, Fairfield County 41.052825 N / -73.563047 W
Tower Description	**300 ft Self Supported Tower**
Basic Wind Speed Basic Wind Speed w/ Ice Code	85 mph (Fastest Mile) 74 mph (Fastest Mile) w/ ½" ice radial concurrent ANSI/TIA/EIA-222-F / 2003 IBC, Sec. 1609.1.1, Exception (5) & Sec. 3108.4 W/ 2005 CT Supplement & 2009 CT Amendment

Existing and Reserved Equipment

Mount Elev.[1] (ft)	Qty.	Antenna	Mount Type	Lines	Carrier
300.0	3	DragonWave Horizon Compact	T-Arm	(3) 1/2" Coax	Clearwire
	3	DragonWave A-ANT-18G-2-C			
	1	3' HP Dish	Platform w/ Handrails	(1) 1/2" Coax	-
	1	Radio/ODU		(2) 1 1/4" Coax	Marcus Comm.
	1	TX RX Systems 101-68-10-X-03N			
	1	4' Standard Dish			
	1	RFS 200	Leg	(1) 1 5/8" Coax	Lojack
289.0	1	Dielectric TLP-08M-2E	Side Arm	(1) 3 1/8" HL	Qualcomm
283.0	-	-	Platform w/ Handrails	-	-
269.0	1	Rohde & Schwarz ADD090	Side Arm	(2) 7/8" Coax	US Treasury
265.0	3	RFS ATMAA1412D-1A20	Sector Frame	(12) 1 5/8" Coax (1) 1 1/4" (1.25") Fiber	T-Mobile
	3	Ericsson AIR 21, 1.3 M, B2A B4P			
	3	Ericsson AIR 21, 1.3M, B4A B2P			
	1	RFS APX16DWV-16DWVS-E-A20			
250.0	-	-	Platform w/ Handrails	-	-
240.0	1	Sinclair SC281-L	Sector Frame	(2) 7/8" Coax	US Treasury
	1	Sinclair SC381-HL			
235.0	6	LGP Allgon LGP21903	Sector Frame	(2) 0.74" 8 AWG 7 (13) 1 5/8" Coax (1) 0.28" RG-6 (1) 2" conduit	AT&T Mobility
	6	Powerwave 7770.00			
	3	Raycap DC2-48-60-0-9E			
	6	Powerwave LGP21401			
	6	Ericsson RRUS 11 (Band 12)			
	3	KMW AM-X-CD-14-65-00T-RET			
	1	Raycap FC12-PC6-10E			
224.0	12	Decibel DB844H90E-XY	Sector Frame	(15) 1 5/8" Coax	Sprint Nextel
200.0	2	TX RX Systems 101-68-10-X-03N	Side Arm	(2) 1 1/4" Coax	Marcus Comm.
	1	Sinclair SC281-L	Sector Frame	(1) 7/8" Coax	US Treasury
189.0	1	30" x 30" Reflector	Side Arm	-	Town Of Stanford
178.0	3	Antel BCD-87010	Side Arm	(3) 7/8" Coax	USA Mobility
171.0	1	24" x 24" Junction Box	T-Arm	(6) 5/16" (0.31") Coax (2) 2" conduit	Clearwire
	3	NextNet BTS-2500			
	3	Argus LLPX310R			
160.0	3	RCU	Leg	(12) 1 5/8" Coax (1) 3/8" Coax	Metro PCS
	6	Kathrein 800 10504			

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Mount Elev.[1] (ft)	Qty.	Antenna	Mount Type	Lines	Carrier
150.0	3	Alcatel-Lucent 800 MHz RRH	Sector Frame	(6) 1 5/8" Coax (3) 1 1/4" Hybriflex	Sprint Nextel
	3	Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter			
	6	Andrew DB980H90E-M			
	3	RFS APXVSPP18-C-A20			
	1	Channel Master Type 120	Leg	(1) 1/2" Coax	USA Mobility
137.0	1	Antel BCD-87010 ___ 4°	Stand-Off	(1) 7/8" Coax	Sensus Metering Systems
100.0	1	TX RX Systems 101-68-10-X-03N	Side Arm	(1) 1 1/4" Coax	Marcus Comm.
10.0	1	GPS	Leg	(1) 3/8" Coax	Lojack
6.0	1	Channel Master Type 120	Stand-Off	(1) 1/2" Coax (1) 1/4" Coax	USA Mobility
	1	Trimble Acutime 2000	Leg		

Proposed Equipment

Elevation[1] (ft)		Qty.	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
265.0	268.0	2	Til-Tek TA-2350-DAB	Side Arm	(1) 1 5/8" Coax (1) EW20	XM Satellite
24.0	25.0	1	Til-Tek TA-2324-LHCP	Leg	(1) 7/8" Coax	

[1] Mount elevation is defined as height above bottom of steel structure to bottom of mount, RAD elevation is defined as center of antenna above grade level (AGL).

Install proposed coax anywhere on tower.

The existing and proposed loads listed in the tables above are compared to the tower's current design capacity or previous structural analysis. The tower should be re-evaluated as future loads are added or if actual loads are found different from those listed in the tables. The subject tower and foundation ***are adequate*** to support the above stated loads in conformance with specified requirements.

STATE OF CONNECTICUT
WM. E. GARRETT
No. 23235
LICENSED
PROFESSIONAL ENGINEER
5/20/14

TMB/KMW