

3UPX0605P-V1-C



XXX Pol Panel Triple Beam Antenna3×698–960MHz 22° 18dBi 4-12° Replaceable RET

Electrical Specifications

Frequency Range (MHz):	Beam 2 (Port 3/4, Middle)		
	698-960(R2)		
	698-790	790-880	880-960
Gain (dBi):	18.0±0.5	18.6±0.5	18.7±0.5
Horizontal 3dB beamwidth (°):	21	19	17
Horizontal Beam Pointing (°):	0	0	0
Vertical 3dB beamwidth (°):	16.5	14.5	12.8

Frequency Range (MHz):	Beam 1 (Port 1/2, Left)/ Beam 3 (Port 5/6, Right)					
	698-960(R1,R3)					
	698-790		790-880		880-960	
	B1	B3	B1	B3	B1	B3
Gain (dBi):	16.5±0.8	16.5±0.8	17.4±0.8	17.4±0.8	17.8±0.8	17.8±0.8
Horizontal 3dB beamwidth (°):	27	27	23	23	20	20
Horizontal Beam Pointing (°):	41	-40	36	-36	34	-33
Vertical 3dB beamwidth (°):	16	16	14.5	14.5	13	13

Frequency Range (MHz):	All Beams (Port 1 to 6)		
	698-790	790-880	880-960
Return Loss (dB):	>14 (VSWR<1.5)		
Polarization (°):	±45		
Electrical Downtilt (°):	4-12		
Upper Sidelobe Suppression (dB):	16	18	15
Front to Back Ratio @180±30°(dB):	27	29	26
Isolation Between Polarizations (dB):	>25		
Beam Isolation(dB):	>16		
Max. Power Per Port (W):	250		
Total Power for the Antenna (W):	800		
Intermodulation IM3 (dBc):	<-150 (2×43 dBm)		
Impedance (ohm):	50		
Lightning Protection:	DC Grounded		
Connector Type:	6×4.3-10 Female		

BASTA Electrical Specifications

Frequency Range (MHz):	698-790		790-880		880-960	
	Beam 2	Beam 1/ Beam 3	Beam 2	Beam 1/ Beam 3	Beam 2	Beam 1/ Beam 3
Average Gain by all Beam Tilts (dBi):	18.0	16.5	18.6	17.4	18.7	17.8
Gain by all Beam Tilts Tolerance(dB):	±0.4	±0.9	±0.5	±0.7	±0.5	±0.8
Average Gain by Beam Tilt (dBi):	18.0 4°	16.6 4°	18.7 4°	17.5 4°	19.1 4°	18.1 4°
	18.1 8°	16.6 8°	18.7 8°	17.5 8°	18.8 8°	18.0 8°
	18.0 12°	16.5 12°	18.4 12°	17.3 12°	18.2 12°	17.5 12°
Horizontal Beamwidth Tolerance(°):	±0.9	±2.2	±1.0	±2.0	±1.2	±2.0
Vertical Beamwidth Tolerance(°):	±1.0	±1.2	±0.8	±1.0	±0.8	±0.7

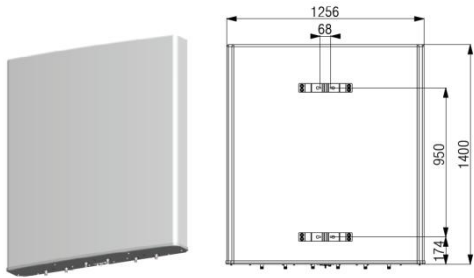
3UPX0605P-V1-C



USLS beampeak to 20° above beampeak(dB):	18.6	13.6	17.6	17.6	18.3	15.1
Front to back Total Power at 180° ± 30°(dB):	30.7	27.1	30.7	29.0	31.0	26.7
Total Power at 180° ± 30°,						
CPR at Boresight(dB):	15.0	18.0	16.0	17.0	17.0	16.0

Mechanical Data

Antenna Dimensions (mm):	1400×1256×210
Packing Dimensions (mm):	1643×1392×305
Antenna Net Weight/Bracket (kg):	56/5.7
Antenna Gross Weight (kg):	77
Radome Material:	Fiberglass
Pipe OD (mm):	70-114
Mounting Kits (Included):	BA.K.04.00069681, Adjustable Downtilt 0-16°(in 2°steps)



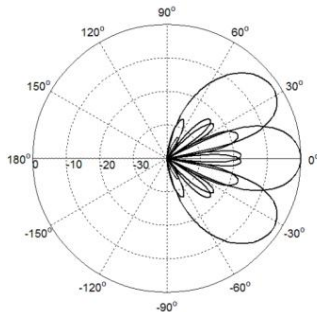
Environmental Ratings

Humidity:	95%RH@+30℃
Temperature (℃):	-40～+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 2127/106/2200
Max.Wind velocity(km/h):	200

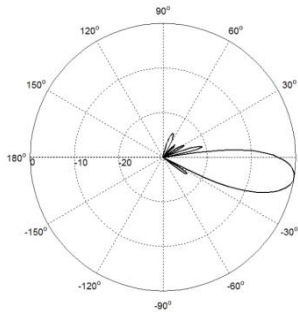
Internal RET Specifications

RET type:	Integrated RET
RET protocol:	AISG2.0 /3GPP
Input voltage range(V):	10-30 DC
Power consumption(W):	< 5 (motor activated , single RET) < 1 (stand by, single RET), < 1.5 (stand by, 12V)
Adjustment time (full range): (s):	< 120 (typically, depending on antenna type)
RET connector:	two pair of AISG 8 pin male & female
Pin assignment according AISG:	8-pin circular connector conforming to IEC 60130-9 - Ed. 3.0
Lightning protection (kA):	5 (8/20 μs Differential mode), 8 (8/20 μs Common mode)

Typical Patterns



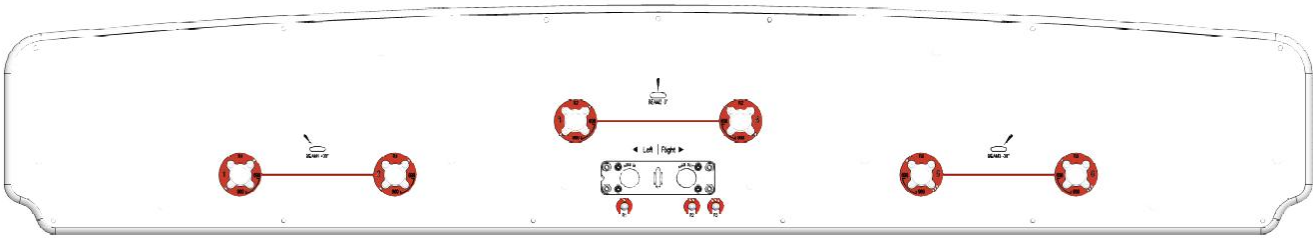
Azimuth



Elevation



Bottom View



Correlation Table

Frequency range	Array	Connector	RET S/N
698-960 MHz	R1	1-2	BRxxx.....1R1
698-960 MHz	R2	3-4	BRxxx.....2R2
698-960 MHz	R3	5-6	BRxxx.....3R3

R1/R2/R3