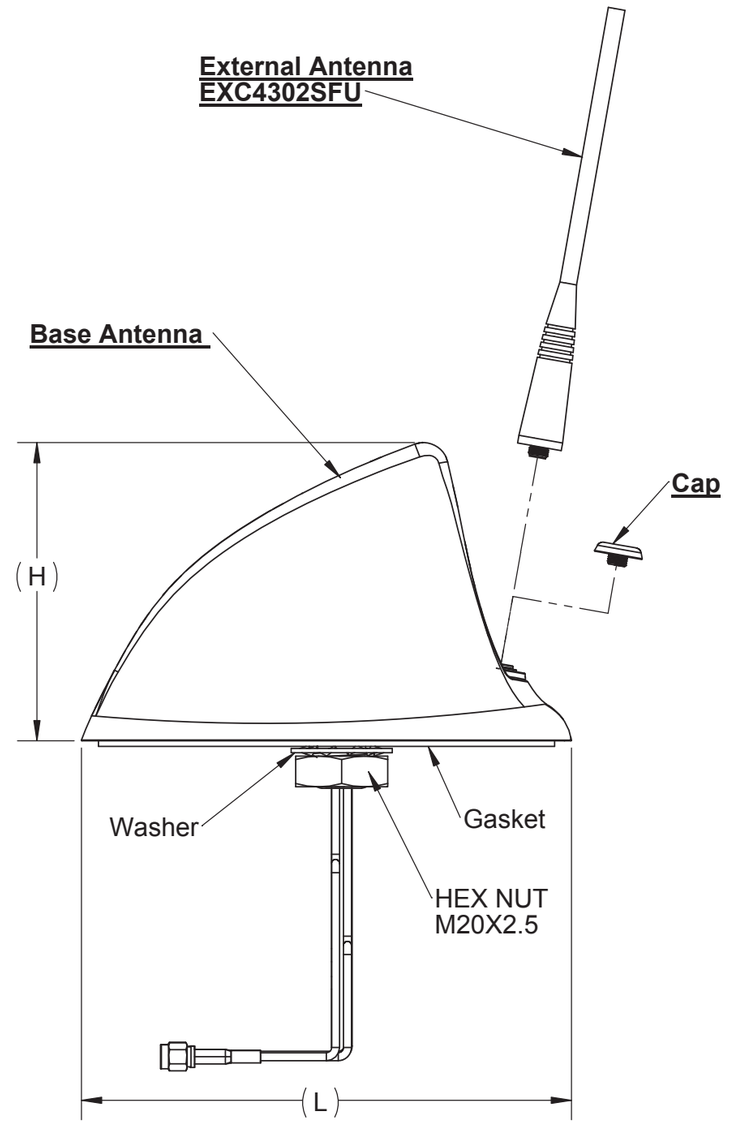
Model	Phantom Fin 4-Ports LTE/WIFI/UHF-2/GPS (FHQ69273CE-518VC6)		
Antenna	LTE/EDVO	WIFI	UHF-2 (External Antenna)
Frequency	698-960; 1710-2700 MHz	2400-2500; 4900-5875 MHz	430-520 MHz
Gain	3.6 dBi (typical), 4.1 dBi (max) @ 698-806 MHz	6.5 dBi (typical), 7.3 dBi (max) @2400-2500 MHz	2.1 dBi (typical), 2.5 dBi (max) @ 430-520 MHz
	3.1 dBi (typical), 3.7 dBi (max) @ 824-894 MHz	6.5 dBi (typical), 8.2 dBi (max) @ 4900-5875 MHz	
	3.3 dBi (typical), 3.5 dBi (max) @ 880-960 MHz		
	5.7 dBi (typical), 6.0 dBi (max) @ 1710-1880 MHz		
	5.2 dBi (typical), 5.5 dBi (max) @ 1850-1990 MHz		
	5.1 dBi (typical), 5.5 dBi (max) @ 1910-2170 MHz		
	4.6 dBi (typical), 4.9 dBi (max) @ 2300-2500 MHz		
	6.2 dBi (typical), 7.1 dBi (max) @ 2500-2700 MHz		
	(measured on 700mm dia. ground plane with 0.3m. of cable)		
VSWR	2 : 1 @ 698-960 MHz	2 : 1 @ 2400-2500 MHz	2 : 1 @ 430-520 MHz
	2 : 1 @ 1710-2700 MHz	2 : 1 @ 4900-5875 MHz	
	(measured on 700mm dia. ground plane with 5.2m. of cable)		
Port to Port Isolation		> 15 dB (UHF-LTE ports);	
		> 20 dB (UHF-WIFI ports);	
		> 20 dB (LTE-WIFI ports);	
Nominal Impedance	50 Ohms		
Polarization	Linear V-pol		
Azimuth Beam Width	Omnidirectional		
Max Gain ±30 above Horizon 5GHz	N/A	3.6 dBi	N/A
Power Input	10 Watts (Max) (ambient temp of 25°C/77°F)		
Operating Temperature	-30°C ~ +70°C		
Storage Temperature	-40°C ~ +85°C		
Cable length, Cable Type	5.2m (Coax Cable LMR-100)		
Connector	SMA-Male	RPSMA-Male	FME Plug
Dimensions, H x L x W	98mm x 160mm x 70mm		
Weight	0.52kg		
Radome	PC/ASA, (Black)		
Base plate material	Aluminum		
Mount Style	Vehicle Mounted		
RoHs	Compliant		
Ingress Rating	IP67		

GPS Antenna	P/N: 145-00028-001
Frequency	1575.42MHz (GPS L1)
Amplifier Gain	27dB ± 3 dBc
Nominal Impedance	50 Ohms
Output VSWR	1.5:1
DC Current	20mA Nominal;< 30mA @-40°C~+85°C
DC Voltage	2.7-12 Vdc
Noise Figure	4 dB max
Cable	Coax Cable RG174
Connector	SMA-Male
Exposed Cable length	5.2m

REVISIONS				
REV.	ECR#	DESCRIPTION	CHANGED BY/DATE	APPROVED BY/DATE
F01	N/A	MO INITIAL RELEASED	TPC 13 JUNE 16	WTN 13 JUNE 16
F02	ECN-IAS-05667	Max Gain ±30 above Horizon 5GHz (dBi) 3.6dBI was 5.58dBI	TPC 21 JULY 16	WTN 21 JULY 16
F03	ECN-IAS-05667	Added Ingress Rating	TPC 19 AUG 16	WTN 19 AUG 16



MATERIAL: N/A			THIRD ANGLE PROJECTION
FINISH: N/A			DO NOT SCALE DRAWING
APPROVALS		DATE	INTERPRET DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-2009
DRAWN BY	TP CHEE	13 JUNE 16	TOLERANCES UNLESS OTHERWISE SPECIFIED
ELEC. ENG.	KM LIM	13 JUNE 16	DIMENSIONS ARE IN MILLIMETERS
MECH. ENG.	TP CHEE	13 JUNE 16	ANGLE: ±30' 0 PLACE DECIMAL: ±0.5 1 PLACE DECIMAL: ±0.25 2 PLACE DECIMAL: ±0.13
MFG./OPS.			SURFACE ROUGHNESS 1.6

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TITLE:

FHQ69273CE-518VC6

SIZE	DWG. NO.	REV
A3	FHQ69273CE-518VC6MO	F03
SCALE: 1:4	PREVIOUS#	SHEET 1 OF 1

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