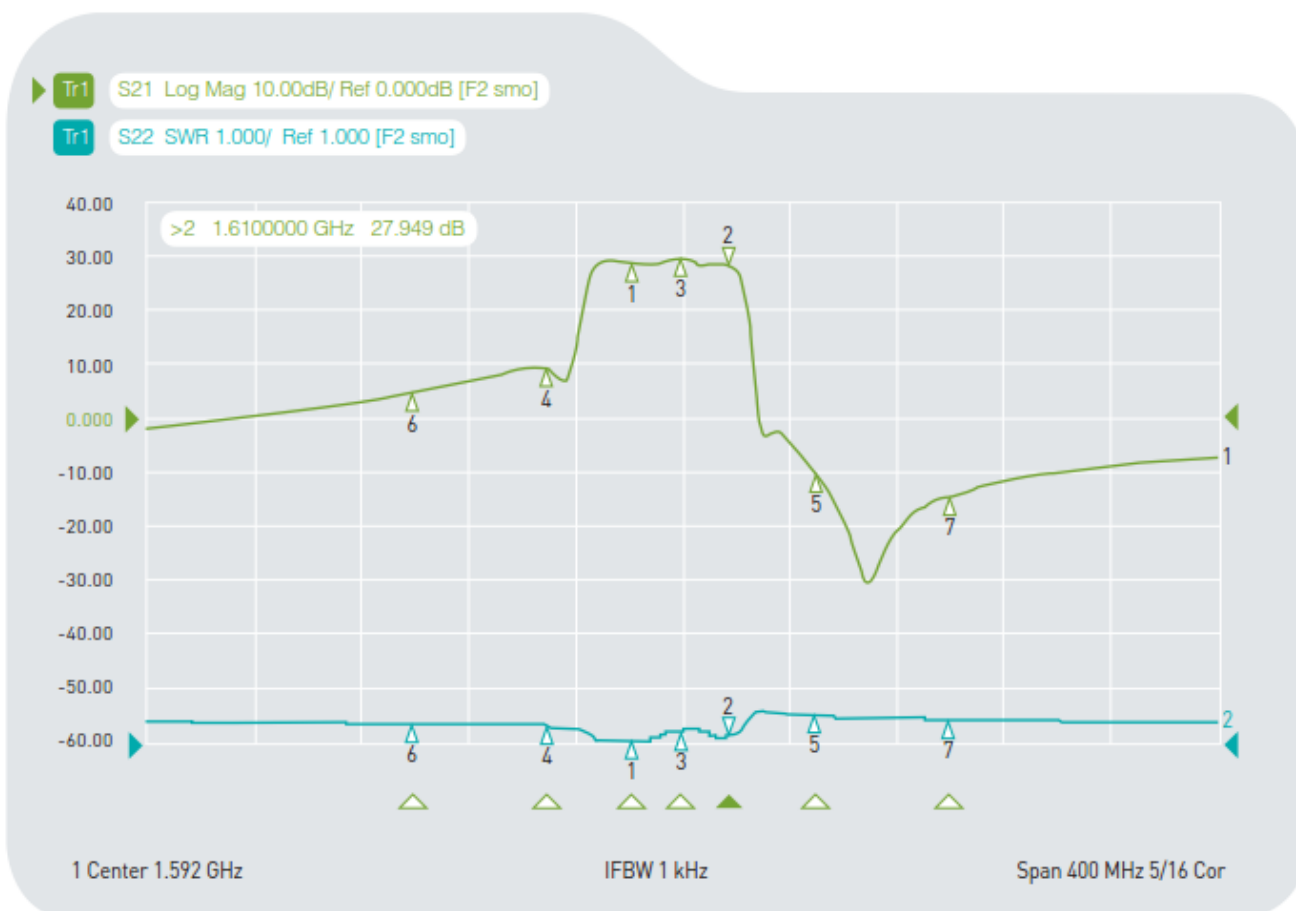
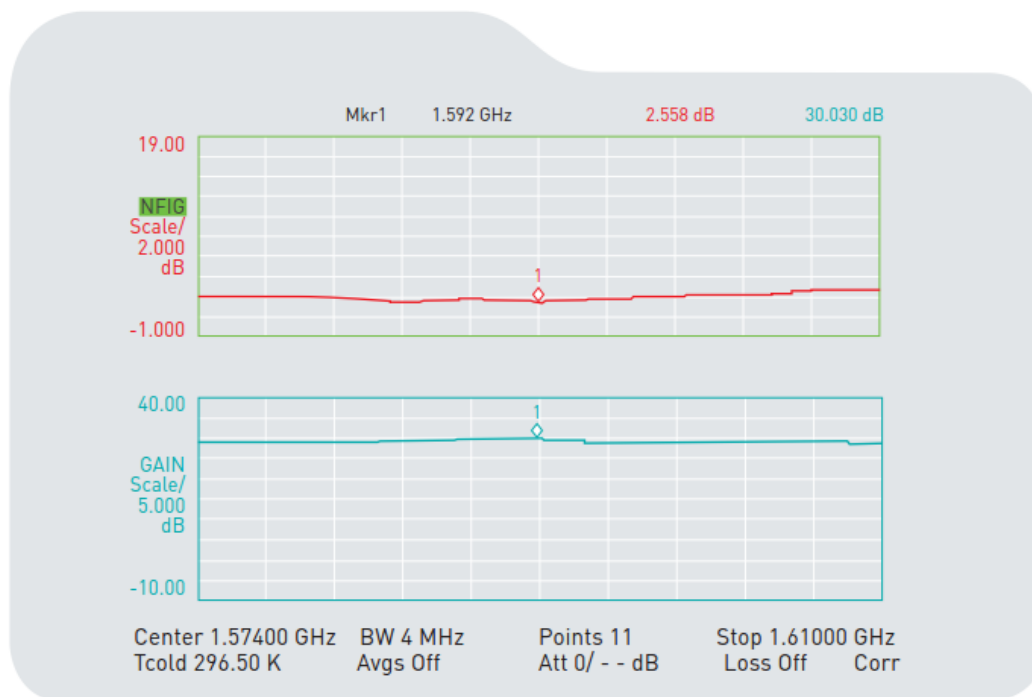


3. LNA Gain and Out Band Rejection @3.0V



Ch1	Tr1	S21	Marker	Frequency (GHz)	Gain (dB)
Ch1	Tr1	S21	1	1.5740000	28.186
Ch1	Tr1	S21	>2	1.6100000	27.949
Ch1	Tr1	S21	3	1.5920000	29.044
Ch1	Tr1	S21	4	1.5420000	9.0245
Ch1	Tr1	S21	5	1.6420000	-10.035
Ch1	Tr1	S21	6	1.4920000	4.4105
Ch1	Tr1	S21	7	1.6920000	-14.431

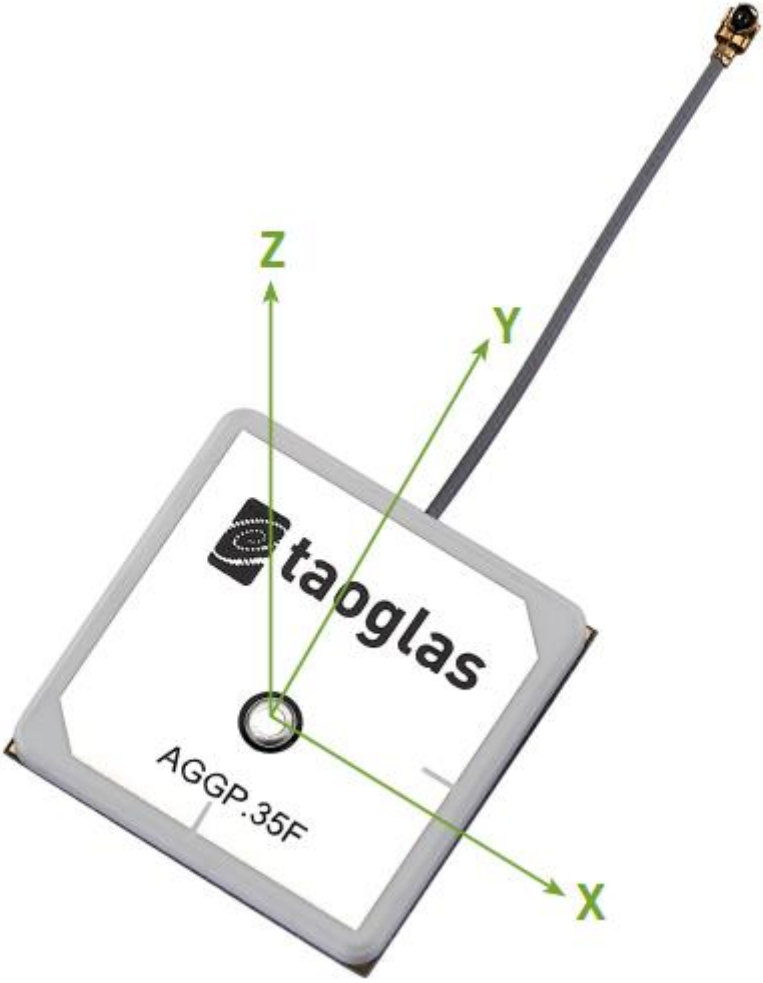
4. LNA Noise Figure @3.0V



5. Total Specification (through Antenna, LNA, Cable and Connector)

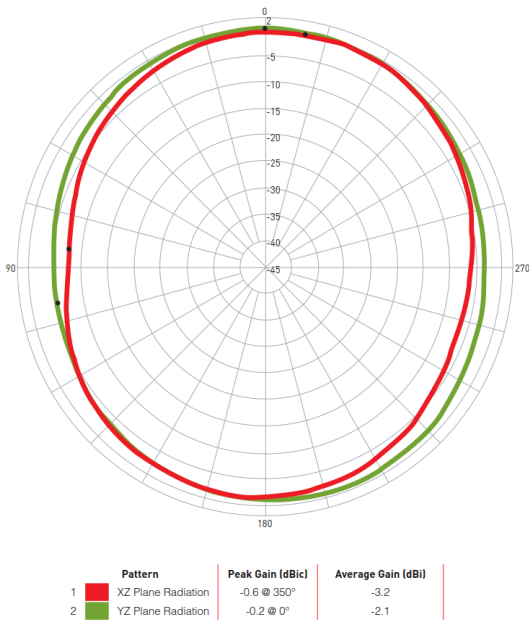
Parameter	Specification
Frequency	1574~1610MHz
Gain at 90°	1575.42MHz: 27 ± 3dBic 1602MHz: 28.5 ± 3dBic
Output Impedance	50Ω
Polarization	RHCP
Output VSWR	Max 2.0
Operation Temperature	-40°C to + 85°C
Storage Temperature	-40°C to + 85°C
Relative Humidity	40% to 95%
Input Voltage	Min. 1.8V, Typ. 3.0V, Max. 5V
Antenna	35*35*6.9mm

6. Radiation Patterns

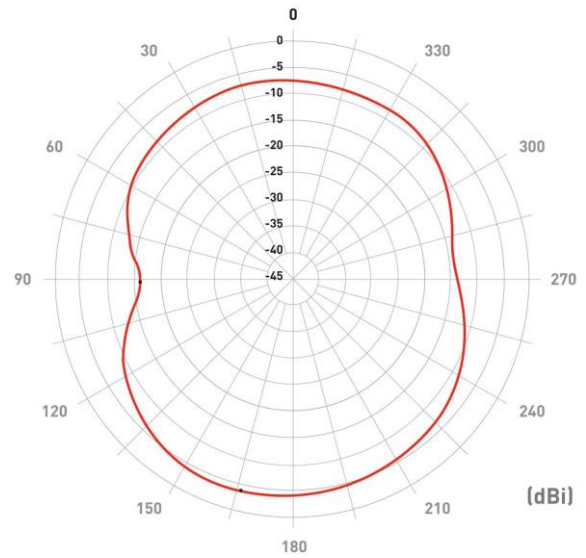


6.1. 1575.42MHz

6.1.1. XZ & YZ Plane

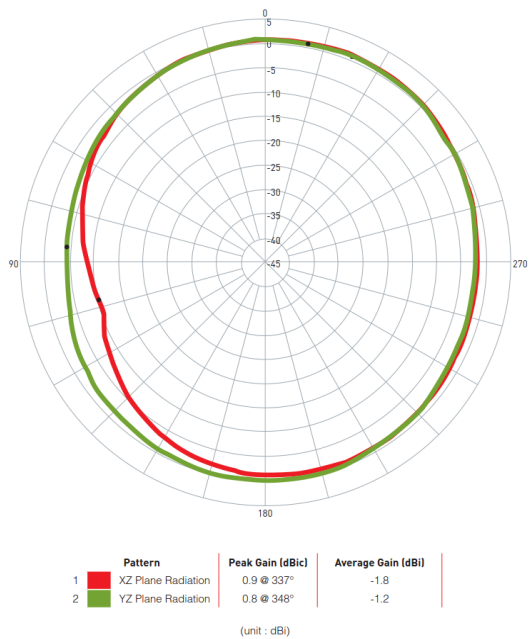


6.1.2. XY Plane

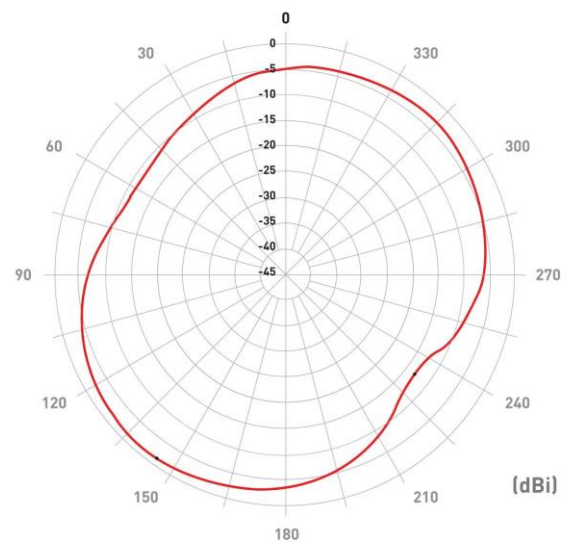


6.2. 1602MHz

6.2.1. XZ & YZ Plane



6.2.2. XY Plane

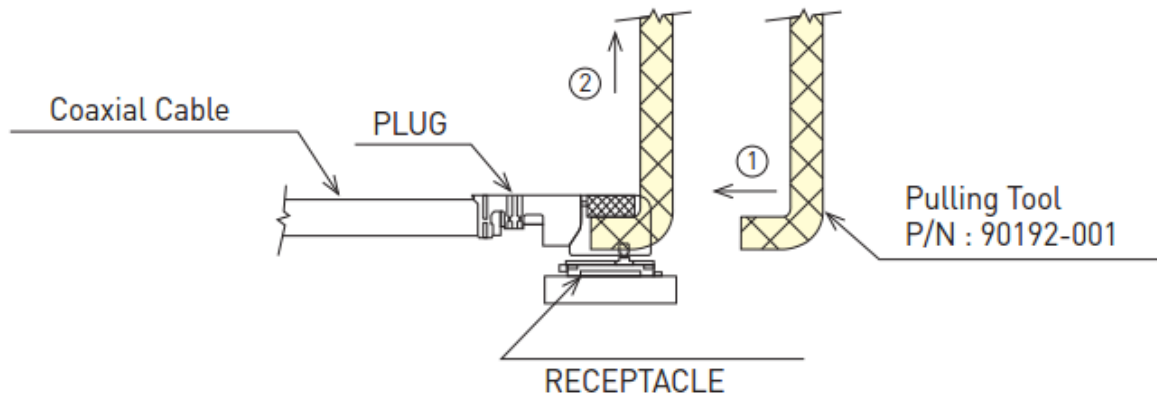


7. Plugs Usage Precautions

7.1. Mating / Unmating

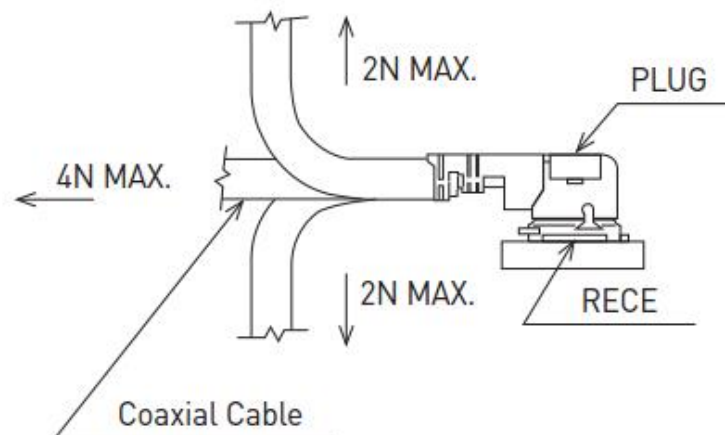
(1) To disconnect connectors, insert the end portion of I-PEX under the connector flanges and pull off vertically, in the direction of the connector mating axis.

(2) To mate the connectors, the mating axes of both connectors must be aligned and the connectors can be mated. The "click" will confirm fully mated connection. Do not attempt to insert on an extreme angle.

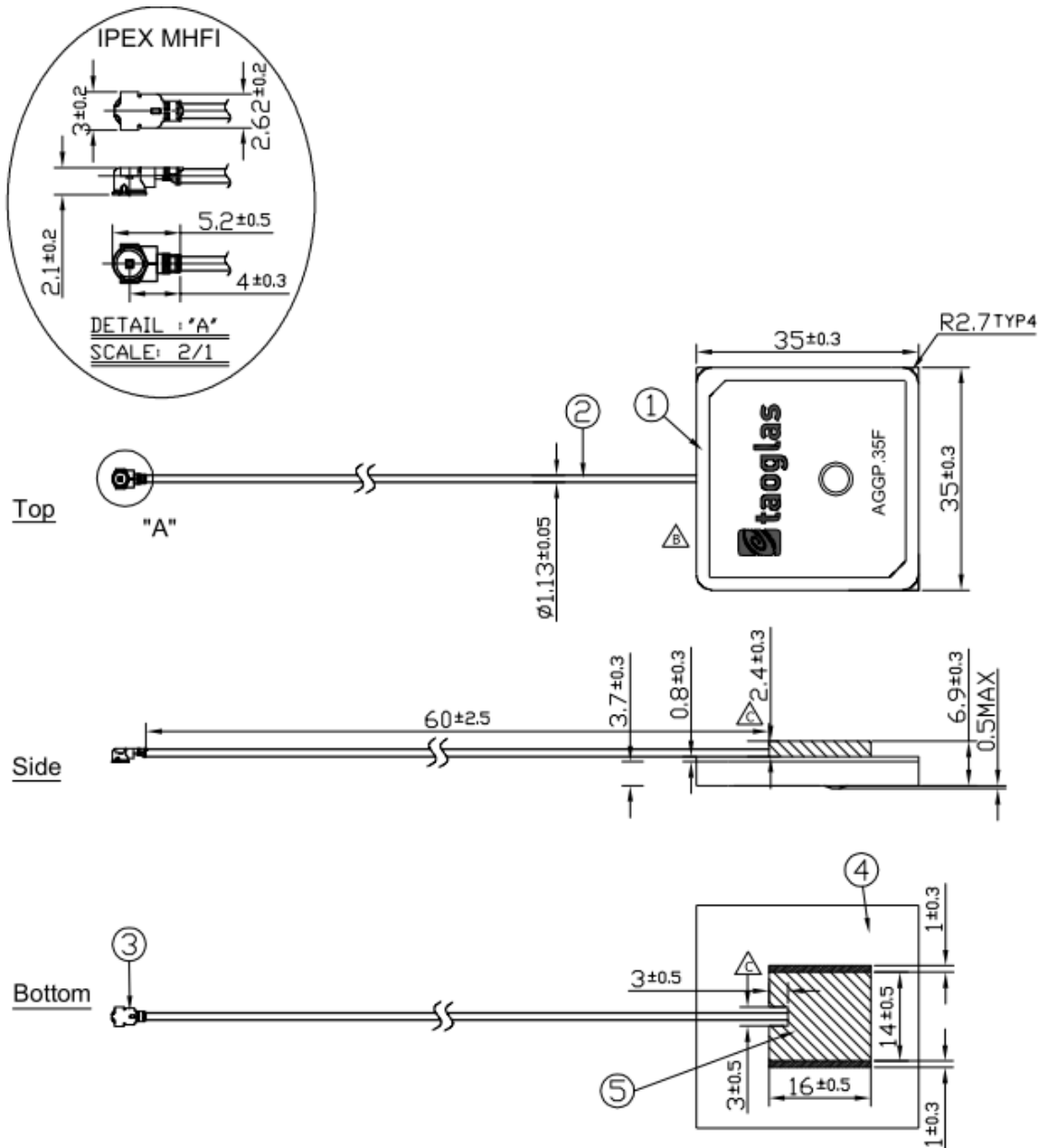


7.2. Pull forces on the cable after connectors are mated



After the connectors are mated, do not apply a load to the cable in excess of the values indicated in the diagram below.



8. Technical Drawing



NOTE:

1. Soldered area 
2. Shielding case area 
3. All material must be RoHS compliant.
4. The connector orientation has a fixed position to the antenna as per drawing.

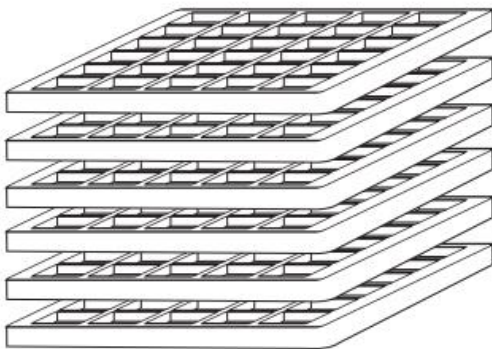
	Name	P/N	Material	Finish	QTY
1	AGGP.35F Patch (35*35*3.7mm)	AGGP.35F	Ceramic	Clear	1
2	1.13 Coaxial Cable	OD.113.CM	FEP	Gray	1
3	IPEX MHF1 Connector	IPEX.MHF1.113	Brass	Gold	1
4	PCB		FR4 0.8t	Green	1
5	Shielding Case		(Tin)SPTe	Tin Plated	1

9. Packaging

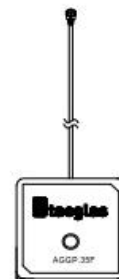
Packaged in plastic tray with foam

Each compartment in tray contains 1 pcs of AGGP.35F

30 pcs of antenna per tray



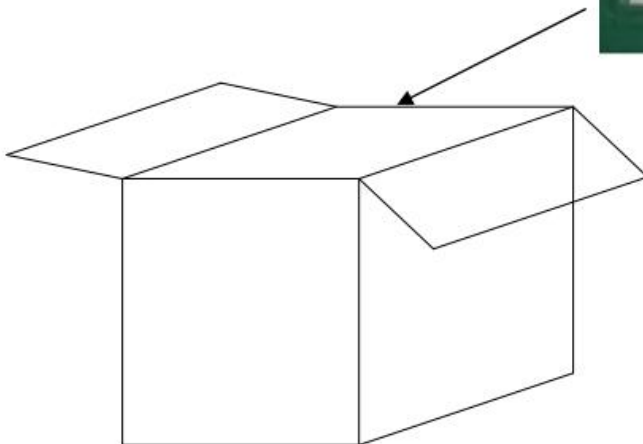
6 trays together in one section



AGGP.35F



Tray



3 sections per carton

540 pcs of antenna per carton

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