

Antenna Information

Section 1. Antenna Assembly Specifications

Antenna Assembly Summary:

1A Antenna Part Number	1B Manufacture	1C Antenna Type	1D Cable Assembly Part Number and Information	1E *Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G VSWR	1H Cable Loss (dBi)
(P/N:LX1110-11 -000-R) Main Antenna	Amphenol	IFA	50 ohm Coaxial. length: 618mm diameter: 1.37mm Color: Grey Connector: U.FL	2400-2500MHz 0.86 dBi (peak)	2400-2500MHz 2.59 dBi (peak)	2400-2500MHz 1.80 max	2400-2500MHz 1.73 dBi (peak)
				2496-2690MHz 1.21 dBi (peak)	2496-2690MHz 3.06 dBi (peak)	2496-2690MHz 1.80 max	2496-2690MHz 1.85 dBi (peak)
				5150-5350MHz 2.37 dBi (peak)	5150-5350MHz 4.71 dBi (peak)	5150-5350MHz 1.48 max	5150-5350MHz 2.34 dBi (peak)
				5470-5725MHz 1.93 dBi (peak)	5470-5725MHz 4.73 dBi (peak)	5470-5725MHz 1.45 max	5470-5725MHz 2.80 dBi (peak)
				5725-5850MHz 1.87 dBi (peak)	5725-5850MHz 4.60 dBi (peak)	5725-5850MHz 1.40 max	5725-5850MHz 2.73 dBi (peak)
(P/N:LX1108-11 -000-R) Aux Antenna	Amphenol	IFA	50 ohm Coaxial. length: 624mm diameter: 1.37mm Color: Black Connector: U.FL	2400-2500MHz 1.46 dBi (peak)	2400-2500MHz 3.13 dBi (peak)	2400-2500MHz 1.44 max	2400-2500MHz 1.67 dBi (peak)
				2496-2690MHz 1.47 dBi (peak)	2496-2690MHz 3.20 dBi (peak)	2496-2690MHz 1.56 max	2496-2690MHz 1.73 dBi (peak)
				5150-5350MHz 2.98 dBi (peak)	5150-5350MHz 5.48 dBi (peak)	5150-5350MHz 1.67 max	5150-5350MHz 2.50 dBi (peak)
				5470-5725MHz 2.09 dBi (peak)	5470-5725MHz 4.79 dBi (peak)	5470-5725MHz 1.48 max	5470-5725MHz 2.70 dBi (peak)
				5725-5850MHz 2.48 dBi (peak)	5725-5850MHz 5.10 dBi (peak)	5725-5850MHz 1.53 max	5725-5850MHz 2.62 dBi (peak)
(P/N:LX1109-11 -000-R) MIMO Antenna	Amphenol	IFA	50 ohm Coaxial. length: 633mm diameter: 1.37mm Color: White Connector: U.FL	2400-2500MHz 0.26 dBi (peak) *	2400-2500MHz 1.91 dBi (peak) *	2400-2500MHz 1.60 max *	2400-2500MHz 1.65 dBi (peak) *
				5150-5350MHz 4.98 dBi (peak) *	5150-5350MHz 7.33 dBi (peak) *	5150-5350MHz 1.15 max *	5150-5350MHz 2.35 dBi (eak) *
				5470-5725MHz 2.88 dBi (peak) *	5470-5725MHz 5.45 dBi (peak) *	5470-5725MHz 1.38 max *	5470-5725MHz 2.57 dBi (peak) *
				5725-5850MHz 3.44 dBi (peak) *	5725-5850MHz 5.98 dBi (peak) *	5725-5850MHz 1.56 max *	5725-5850MHz 2.54 dBi (peak) *

NOTE:

(*) If Rx3 only (3rd antenna receives only, e.g. for 4965AGN) then the information marked with * is not required

Antenna Peak Gain Table:

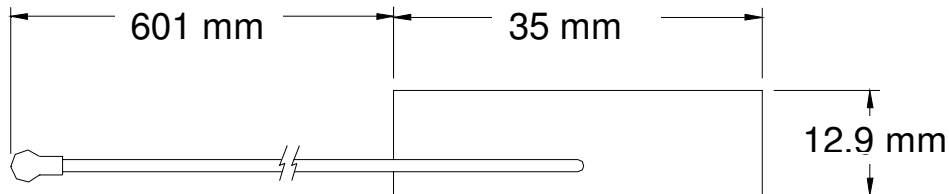
Frequency (MHz)	Main antenna		Aux Antenna		MIMO Antenna	
	Horizontal (dBi)	Vertical (dBi)	Horizontal (dBi)	Vertical (dBi)	Horizontal (dBi)	Vertical (dBi)
2400	0.33	0.48	0.7	-2.94	-0.71	-2.72
2450	0.37	-1.19	1.46	-4.4	-0.05	-1.39
2500	0.86	-3.07	1.4	-4.41	0.26	-2.15
2501	0.86	-3.15	1.29	-4.44		
2593	0.22	-3.82	0.91	-4.07		
2685	1.21	-2.99	1.47	-5.12		
5150	1.02	1.52	-0.84	1.22	0.43	2.84
5250	-0.12	0.88	-1.19	0.59	-0.81	2.75
5350	1.64	2.37	0.64	2.98	1.71	4.98
5470	1.1	1.51	-0.13	1.26	1	2.79
5600	1.93	1.55	0.84	2.09	1.81	2.88
5725	1.71	1.28	0.51	1.33	2.64	2.31
5785	1.18	0.71	0.34	1.13	1.92	2.01
5850	1.17	1.87	1.01	2.48	3.04	3.44

- Antenna Peak Gain required being test in system basis.
- 1E frame contend absolutely peak antenna gain include H/V
- If Rx3 only (3rd antenna receives only, e.g. for 4965AGN) then the information is not required for Rx3.

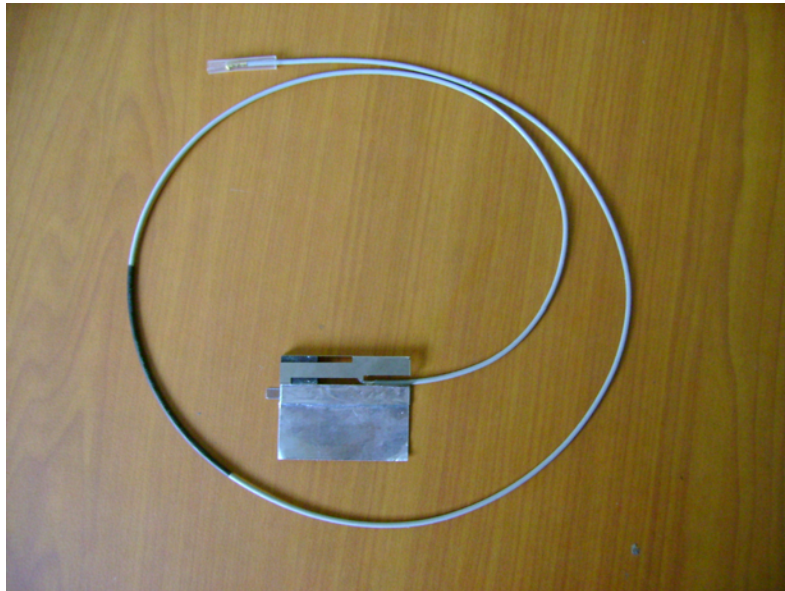
Section 2. Dimensioned Photos or Drawings of Antennas

Include a dimensioned photo and dimensioned drawing of Tx1 antenna here.

Main Antenna Dimensioned Drawing:

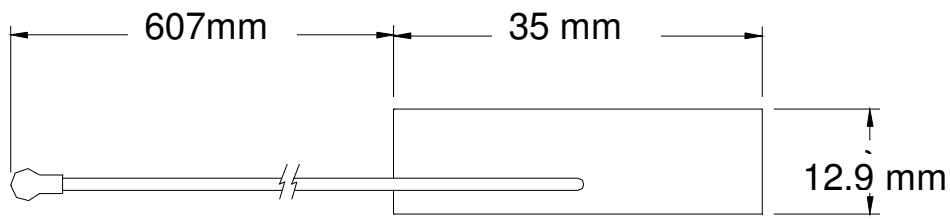


Main Antenna Photo:

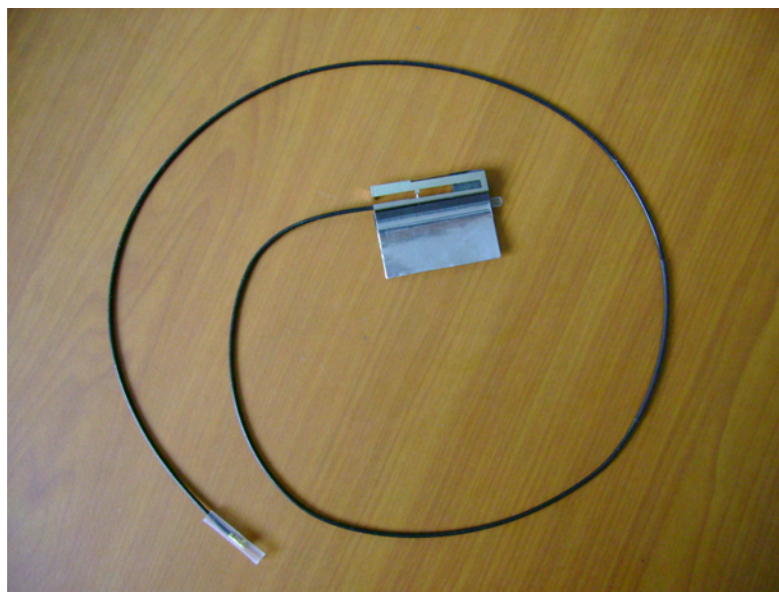


Include a dimensioned photo and dimensioned drawing of Tx2 antenna here.

Aux Antenna Dimensioned Drawing:

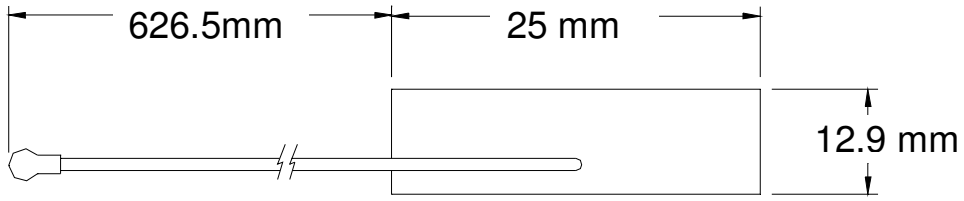


Aux Antenna Photo:

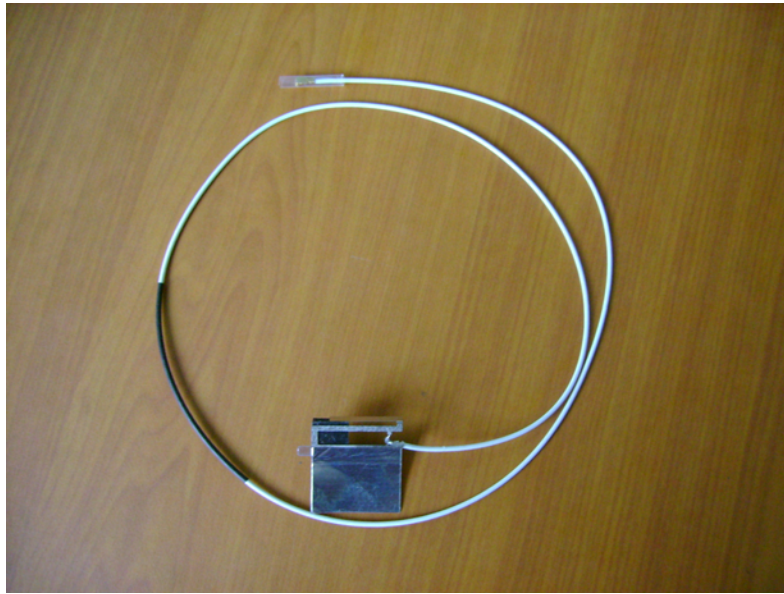


Include a dimensioned photo and dimensioned drawing of Tx3 (or Rx3) antenna here.

Mimo Antenna Dimensioned Drawing:



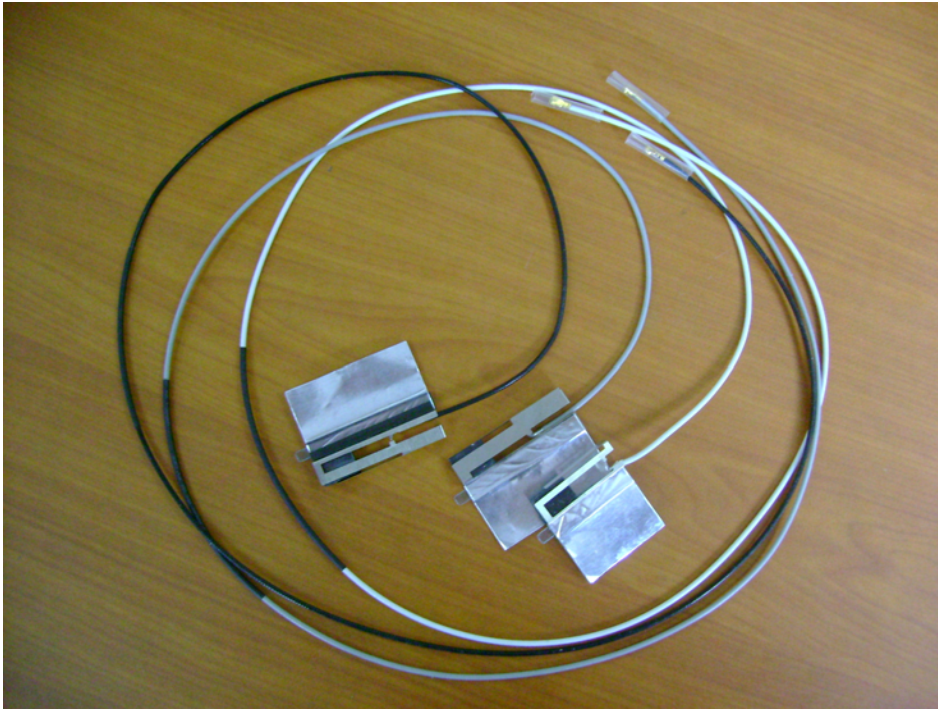
Mimo Antenna Photo:



Include front view photo of all 3 antennas here.

Antenna Manufacturer: Amphenol

Antenna Part Number: LX1110-11-000-R (Main), LX1108-11-000-R (Aux), LX1109-11-000-R (MIMO)



Include back view photo of all 3 antennas here.

Antenna Manufacturer: Amphenol

Antenna Part Number: LX1110-11-000-R (Main), LX1108-11-000-R (Aux), LX1109-11-000-R (MIMO)

