

QUICK REFERENCE DATA

Size 35X6X0.4 mm



Development	Print date 02/10/17									
	GSM/DCS/PCS (900/1800/1900MHz) Antenna with Connector/Cable				4313 330 00919 4313 330 01919				Aug. 7, 02	
									Oct. 17, 02	
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HRS U.FL-LP-040 OR IPX COMPATIBLE
(or MMCX/RG178)

35

10

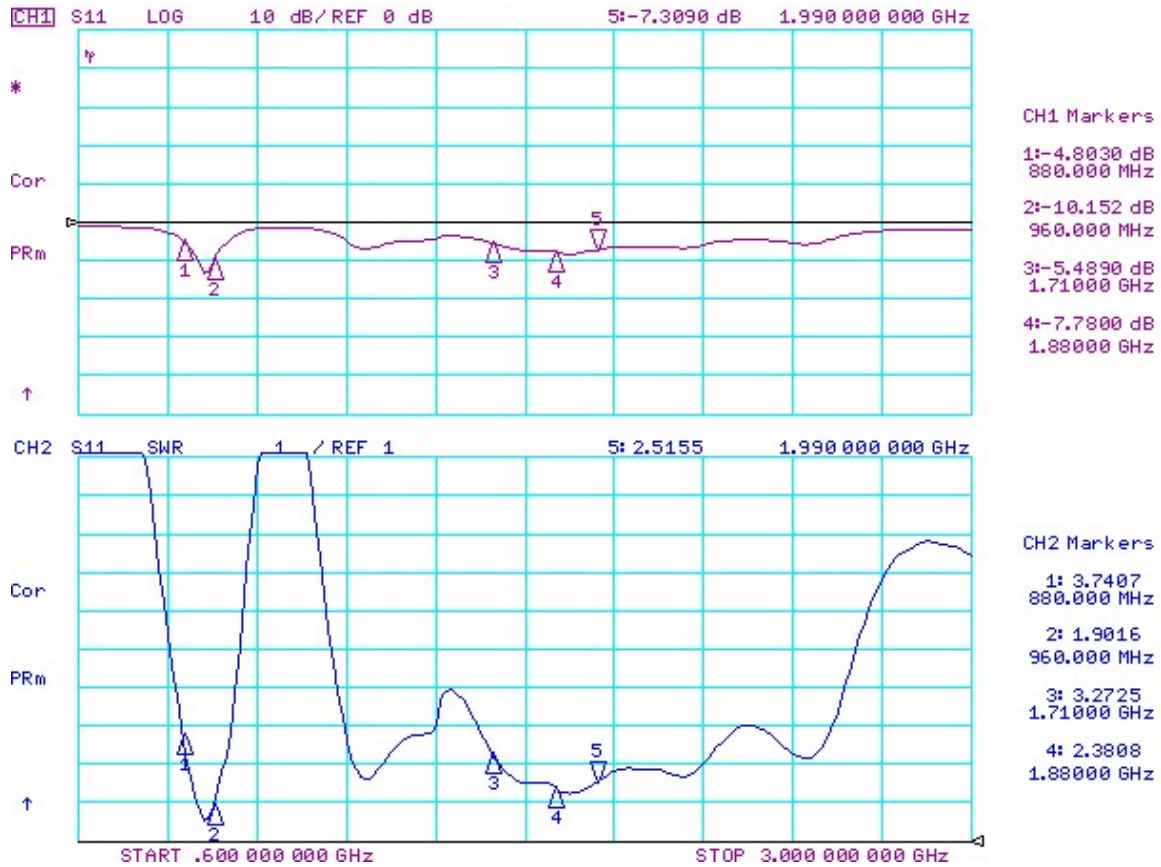
PCB Thickness = 0.4

Radiating Patch



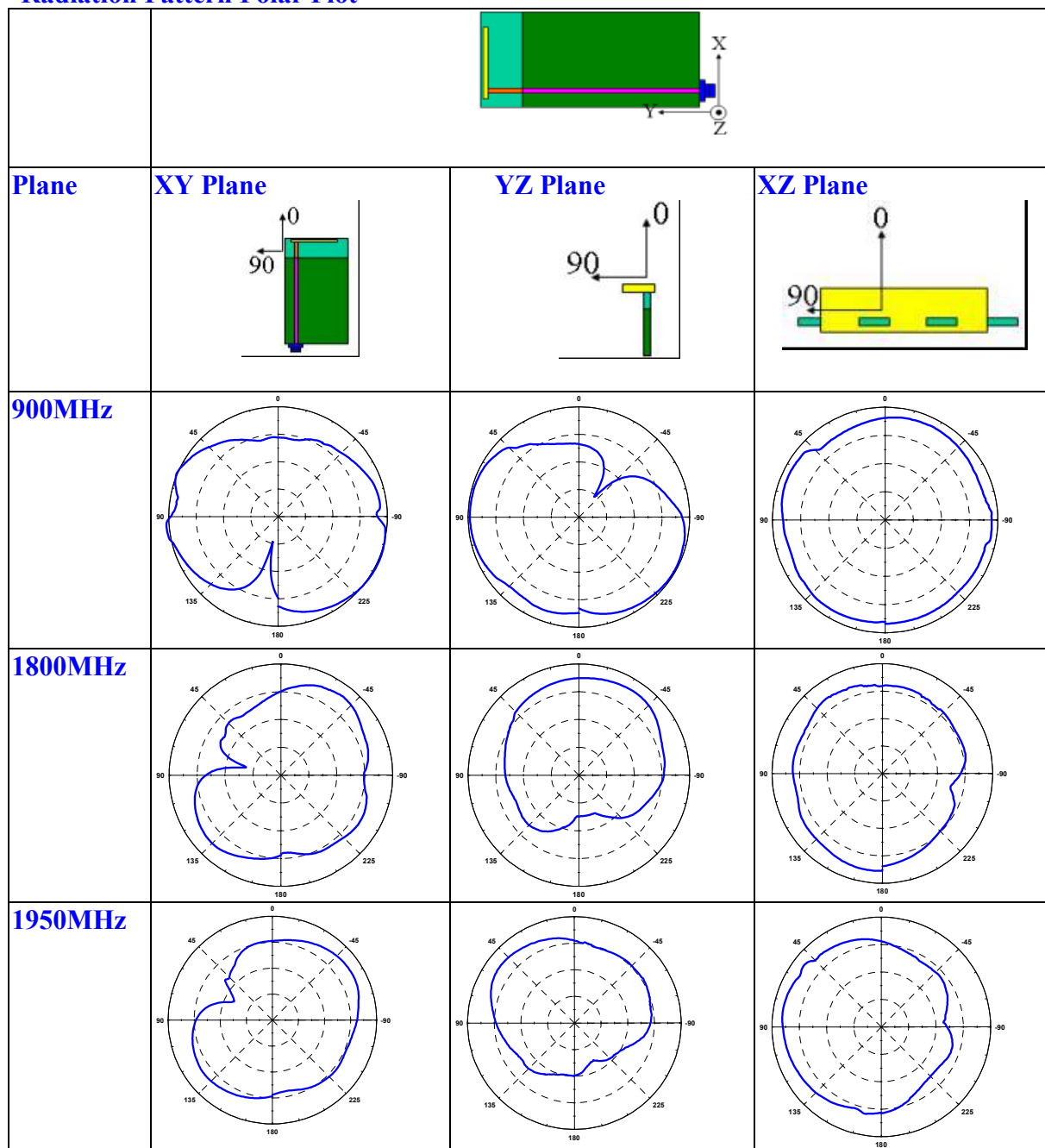
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Return Loss Measurement in Mobile Unit



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Radiation Pattern Polar Plot



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RELIABILITY DATA (Reference to IEC Specification)

IEC 384-10/ CECC 32 100 CLAUSE	IEC 60068-2 TEST METHOD	TEST	PROCEDURE	REQUIREMENTS
4.5		Visual inspection and dimension check	Any applicable method using $\times 3$ magnification	In accordance with specification (pcb damage 2 mm)
4.6.1		Antenna	Frequency = 0.9/1.8/1.9 GHz; Triple Band	Standard test board
4.8	4(Na)	Adhesion	A force of 5 N applied for 10 s to the line joining the terminations and in a plane parallel to the substrate	No visible damage
4.12		Rapid change of temperature	-40 °C (30 minutes) to +80 °C (30 minutes); 100 cycles	No visible damage Central Freq. Change $\pm 6\%$
4.14	3(Ca)	Damp heat	500 $\pm$ 12 hours at 60 °C; 90 to 95 % RH	No visible damage 2 hours recovery Central Freq. Change $\pm 6\%$
4.15		Endurance	500 $\pm$ 12 hours at 80 °C;	No visible damage 2 hours recovery Central Freq. Change $\pm 6\%$

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ORDERING INFORMATION: Method I- by 12NC Ordering Code

The antenna may be ordered by using the 12 NC ordering code. These code numbers can be determined by the following rules:

43 13 3 30 00 919
F C M S T A

F. Family Code

43 = Antenna

C. Packing Type Code

13 = per 1000pcs

M. Materials Code

3 = FR-4 material (K=4)

S. Size Code

30 = 35 * 6 * 0.4 mm

T. Tolerance and Style

00 = GSM/DCS/PCS Band using 1.13 mm cable with Hirose/Ipex connector

01 = GSM/DCS/PCS Band using 1.13 mm cable with Right Angle MMCX connector

A. Working Frequency

919 = GSM 900 880-960 MHz
DCS 1800 1710-1880 MHz
PCS 1900 1850-1990 MHz

Example: 12NC 4313 330 00919

Product description: Antenna (43) by 1000 pcs bulk (13) Material (3),
Size 35*6*0.4 mm (30);

Tolerance/Style (00) of GSM/DCS/PCS (VSWR<4) with 1.13 mm
cable and Hirose/Ipex connector

Working Frequency (919) = GSM 900/DCS1800/PCS1900

ORDERING INFORMATION: Method II- by Clear Text Code

The antennas may be ordered by using the 16-digit clear text ordering code. These code numbers can be determined by the following rules:

AN0919000435061B (Clear Text Code Example)						
AN	0919	00	04	3506	1	B
Product	Central Freq.	Bandwidth/Style	Material	Size	Quantities	Packing
AN= Antenna	900/1800/1900 MHz	With 1.13mm cable + Hirose/Ipex connector 01 = MMCX	04=K4	3506=35*6mm *0.4mm	1 = 1K	B = Bulk

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