

Regulatory WLAN Antenna Information

Platform information										
Brand	ODM	RMN	Intel platform (ex: Yes, No or NA)	Platform type (ex: regular NB, convertible PC, AIO...etc)	*SAR minimum separation (mm)					
HP Inc.	Inventec	HSC-I008R23	YES	AIO	N/A					
Antenna information										
Vendor	Type	Antenna Part number (Main/Tx1)			Antenna Part number (Aux/Tx2)					
INPAQ	PIFA	WA-P-LE-02-464			WA-P-LE-02-463					
Peak gain w/ cable loss (dBi)*										
	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250MHz	5.3GHz 5250-5350MHz	5.6GHz 5470-5725MHz	5.8GHz 5725-5850MHz	5.9GHz 5850-5895MHz	6.2GHz 5925-6425MHz	6.5GHz 6425-6525MHz	6.7GHz 6525-6875MHz	7.0 GHz 6875-7125MHz
Main	2.54	1.51	1.99	2.48	2.08	2.43	2.69	2.42	2.72	1.48
Aux	2.66	0.66	-0.09	1.21	1.16	1.33	1.23	1.76	2.78	2.79
Module Information										
Model	Model									
Qualcomm SOM	Qualcomm SOM									
Antenna Vendor Address										
Antenna Vendor	INPAQ									
contact person	Ailee									
E-mail	ailee.lin@inpaq.com.tw									
Tel/Mobile	886-963-106-718									
Web address	https://www.inpaq.com.tw									
Address	1F., No. 106, Ligong St., Beitou Dist., Taipei City 112019 , Taiwan (R.O.C.)									

Antenna Information

Section 1. Antenna Assembly Specifications

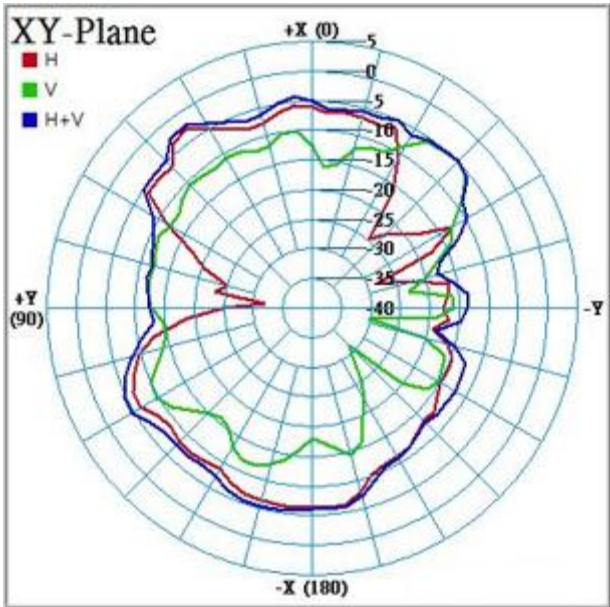
1A	1B	1C	1D		1E	1F	1G	1H
Antenna Part Number	Manufacturer	Antenna Type	Cable Assembly Part Number and Information	Freq Range MHz	* Peak Gain W/ Cable loss (dBi)	Peak Gain w/o Cable Loss (dBi)	Max VSWR	Cable Loss (dB)
P/N: WA-P-LE-02-464 (6036B0396401) Main Antenna (TX1)	INPAQ	PIFA	(P/N: SY113/50-105(BLACK)) 50 ohm Coaxial length: 308mm diameter: 1.13mm	2400-2495	2.54	3.65	2.5	1.11
				5150-5250	1.51	3.14	2.5	1.63
				5250-5350	1.99	3.65	2.5	1.66
				5470-5725	2.48	4.17	2.5	1.69
				5725-5850	2.08	3.80	2.5	1.72
				5850-5895	2.43	4.20	2.5	1.77
				5925-6425	2.69	4.51	2.5	1.82
				6425-6525	2.42	4.28	2.5	1.86
				6525-6875	2.72	4.63	2.5	1.91
				6875-7125	1.48	3.45	2.5	1.97
P/N: WA-P-LE-02-463 (6036B0396501) Aux Antenna (TX2)	INPAQ	PIFA	(P/N: SY113L/50-048(BLACK)) 50 ohm Coaxial length: 392mm diameter: 1.13mm	2400-2495	2.66	3.75	2.5	1.09
				5150-5250	0.66	2.28	2.5	1.62
				5250-5350	-0.09	1.56	2.5	1.65
				5470-5725	1.21	2.88	2.5	1.67
				5725-5850	1.16	2.86	2.5	1.70
				5850-5895	1.33	3.07	2.5	1.74
				5925-6425	1.23	3.01	2.5	1.78
				6425-6525	1.76	3.57	2.5	1.81
				6525-6875	2.78	4.64	2.5	1.86
				6875-7125	2.79	4.70	2.5	1.91

Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

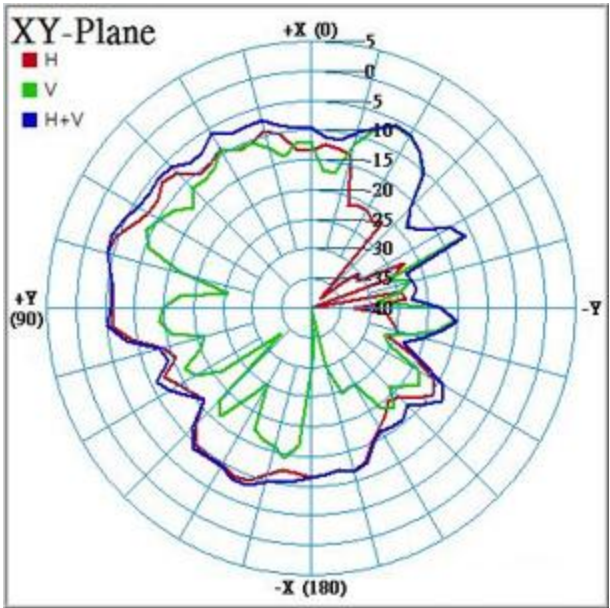
Max Antenna 2D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
2400-2483.5	2.54



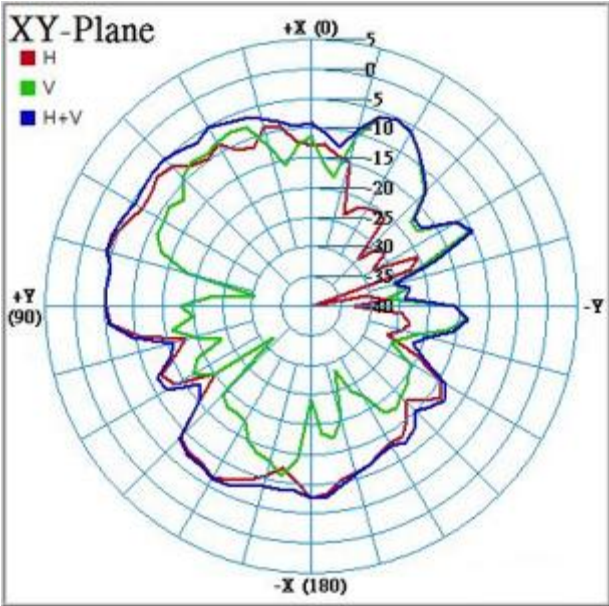
Max Antenna 2D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5150-5250	1.51



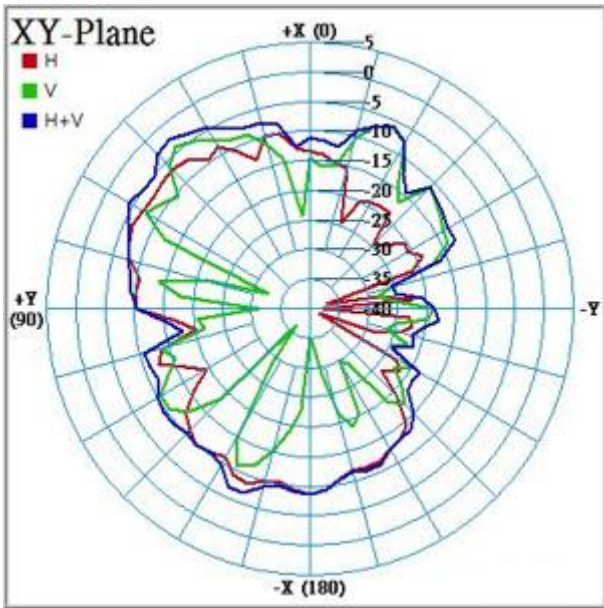
Max Antenna 2D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5250-5350	1.99



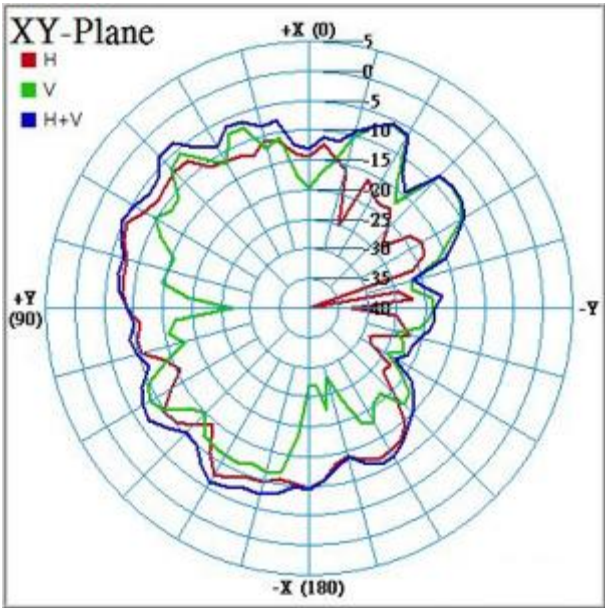
Max Antenna 2D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5470-5725	2.48



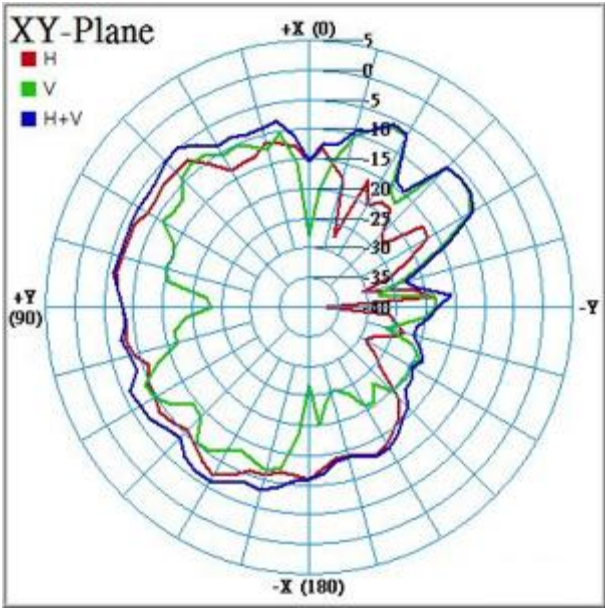
Max Antenna 2D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5725-5850	2.08



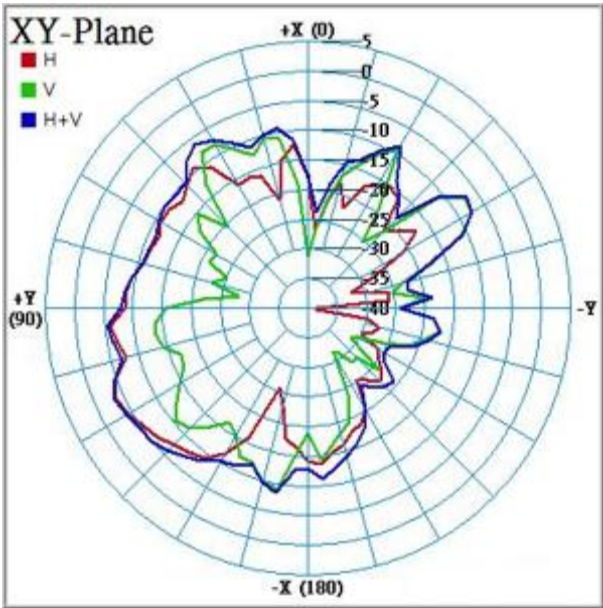
Max Antenna 2D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5850-5895	2.43



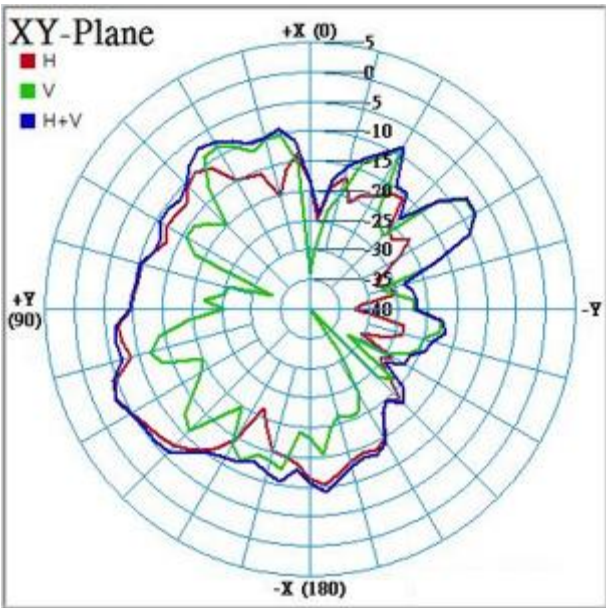
Max Antenna 2D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5925-6425	2.69



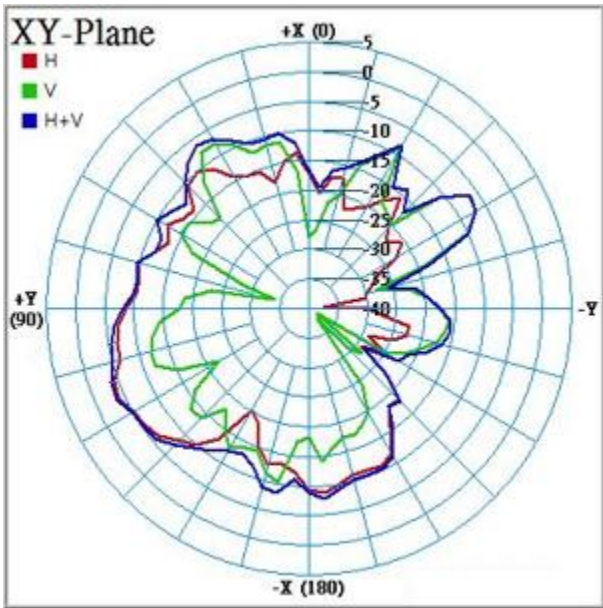
Max Antenna 2D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6425-6525	2.42



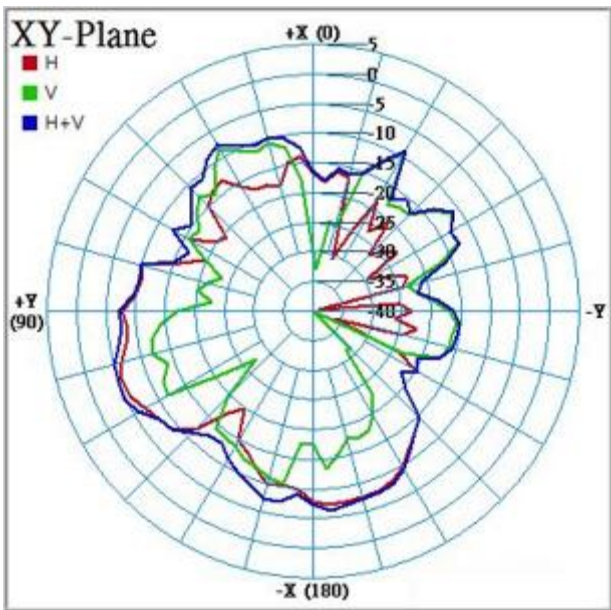
Max Antenna 2D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6525-6875	2.72



Max Antenna 2D Radiation Pattern 6875-7125 MHz

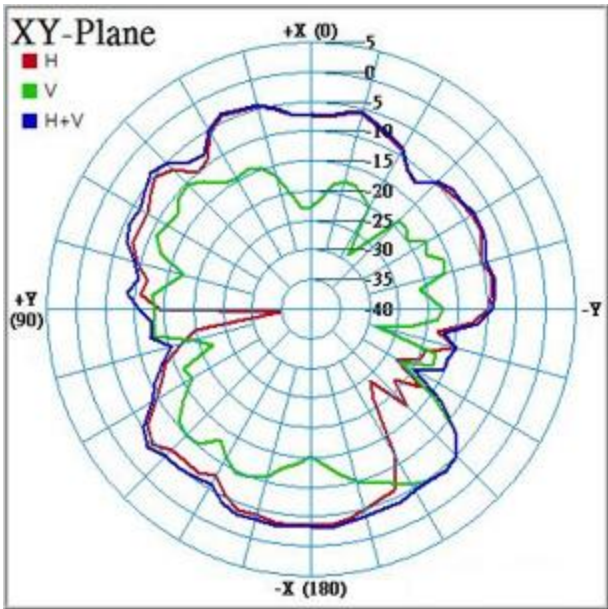
Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6875-7125	1.48



Auxiliary Antenna

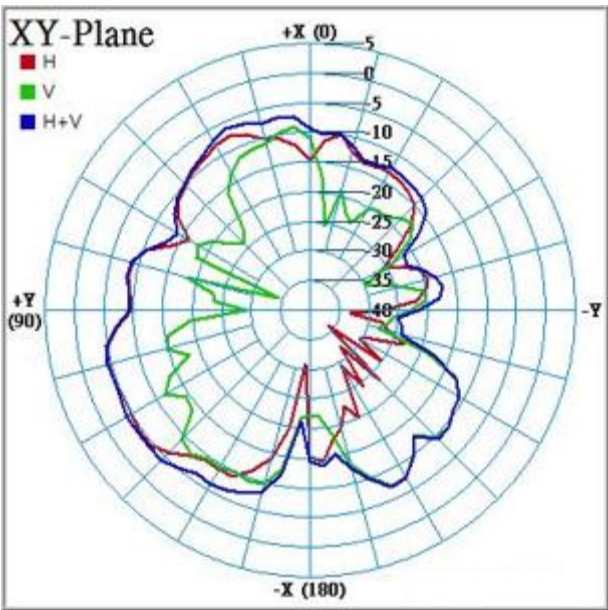
Max Antenna 2D Radiation Pattern 2400 – 2495 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
2400-2495	2.66



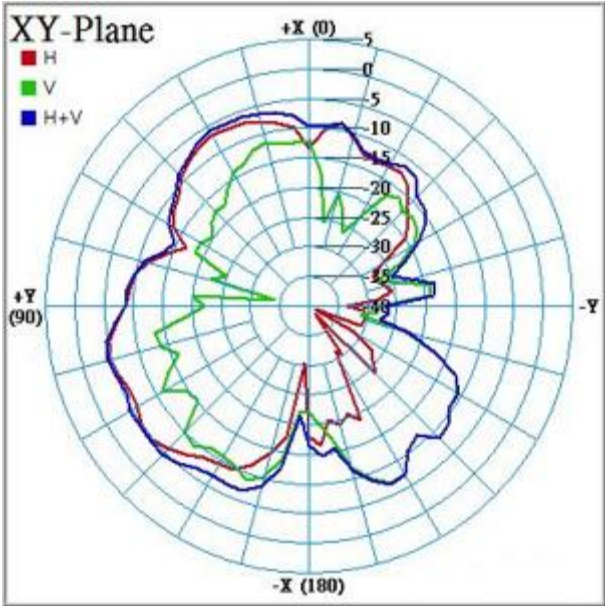
Max Antenna 2D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5150-5250	0.66



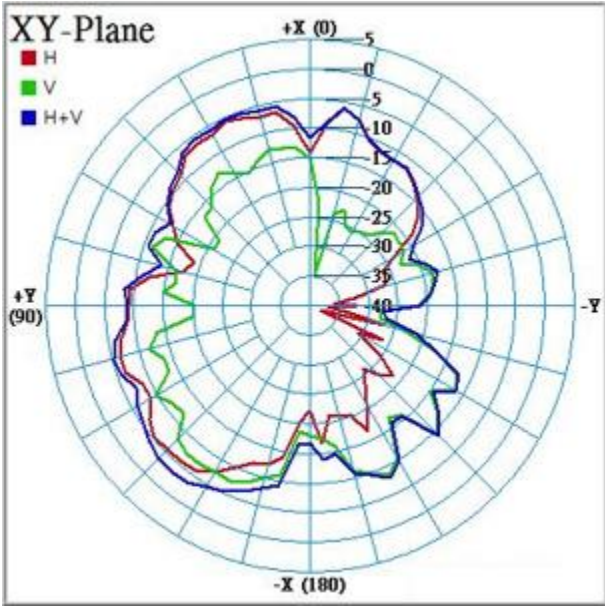
Max Antenna 2D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5250-5350	-0.09



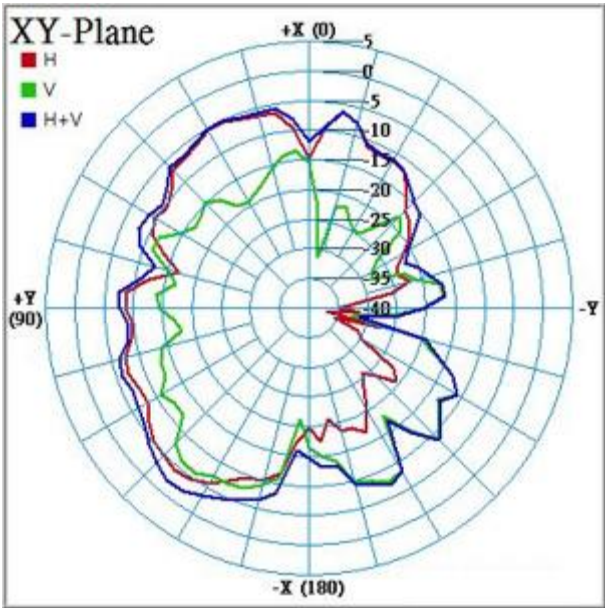
Max Antenna 2D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5470-5725	1.21



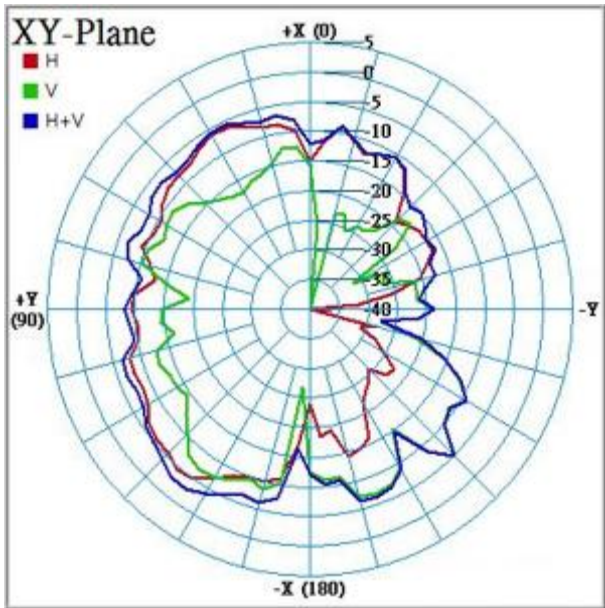
Max Antenna 2D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5725-5850	1.16



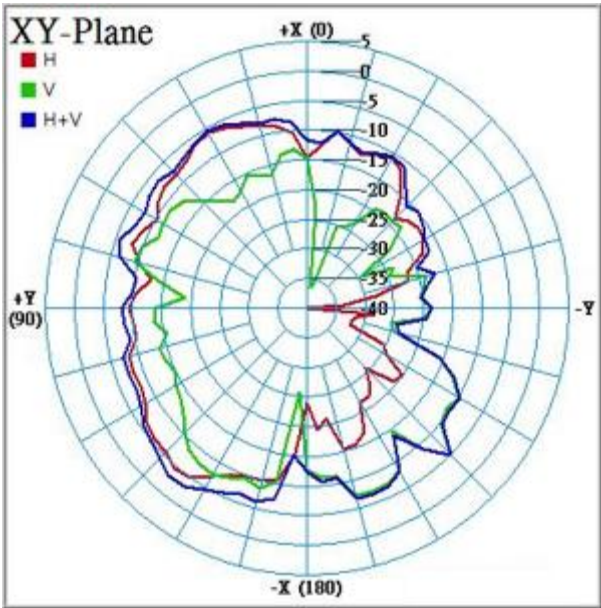
Max Antenna 2D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5850-5895	1.33



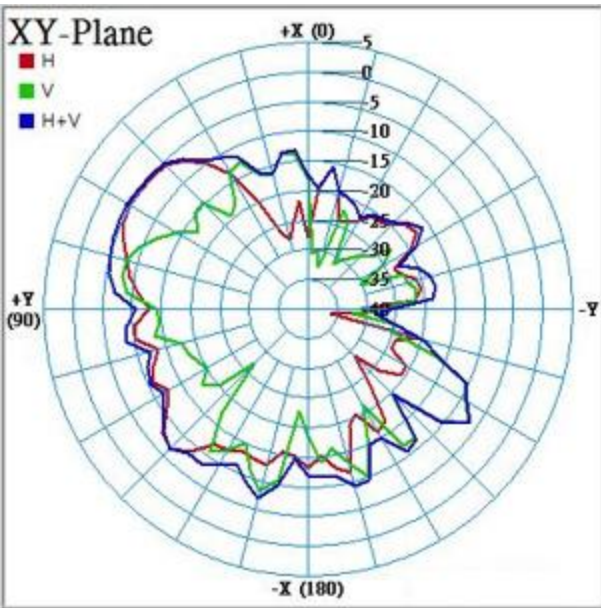
Max Antenna 2D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5925-6425	1.23



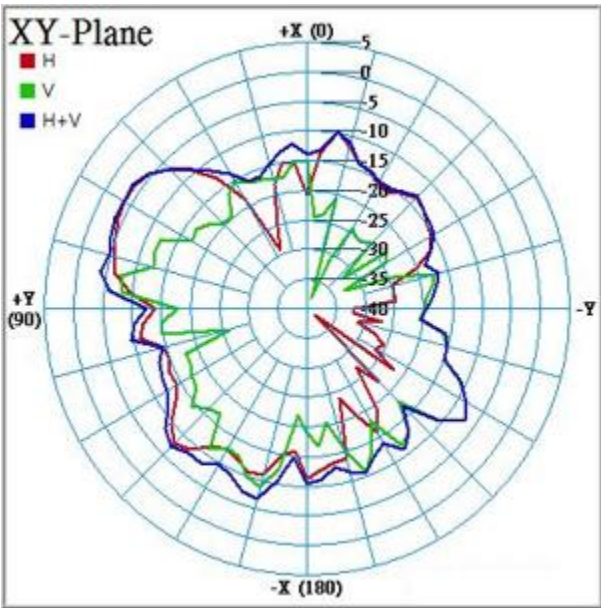
Max Antenna 2D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6425-6525	1.76



Max Antenna 2D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6525-6875	2.78



Max Antenna 2D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6875-7125	2.79

