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.	Compal	TPN-C162	Yes	Tablet PC	2.5

*******Please fill in exact product model name and make sure the model name is visible on product cover or any parts for end users recognize for authority inspection.**

Antenna information			
Vendor	**Type**	**Antenna Part number** (Main/Tx1)	**Antenna Part number** (Aux/Tx2)
INPAQ	PIFA	WA-P-LE-02-084 DC33002Q000	WA-P-LE-02-085 DC33002Q010

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	2.37	1.62	2.55	2.19	2.33	1.1	2.54	0.81	0.08	0.97
Aux	1.69	1.26	0.95	2.22	1.27	0.72	1.67	0.24	1.78	2.46

Module Information	
Model	**Form factor and suffixes**
AX211D2W	Garfield Peak 2 (GfP2, non-vPro), Wi-Fi 6E, CNVi, 1216 on board - Only applicable to Intel CNVi Gen 3 Solar

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1. **Applicable test methods**

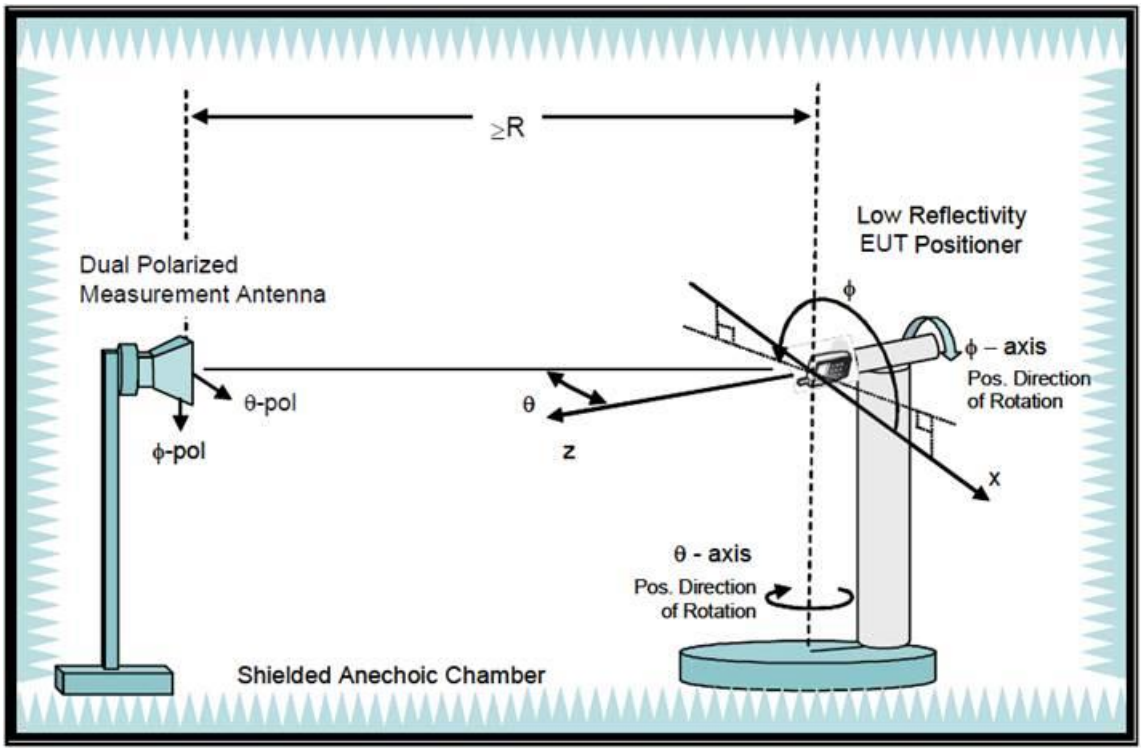
ETS-Lindgren AMS-8500 system is 3D fully anechoic chamber, it is applied to the “Conical Cut test method”, the detail description is described as below.

The Conical Cut method requires the ability of the Measurement Antenna to be physically rotated in the theta plane (overhead) of the EUT for implementations using a single Measurement Antenna, Eleven conical cuts are required to capture data at every 15 degrees from the EUT, with the top (0 degrees) and bottom (180 degrees) cuts not being measured. Typically, the EUT will remain affixed to a turntable during the entire measurement process. The Measurement Antenna will be positioned at a starting theta angle. The EUT will then be rotated around the full 360 degrees of phi rotation. The Measurement Antenna will then be positioned at the next theta angle, and the process repeated.

		θ -Axis	Φ-Axis
Passive	Step size	15º~165º step: 15º	0º~345º step: 15º
	N / M (Points)	12	24

2. **Test & System Description**

Typical Setup for ETS-Lindgren AMS-8500:



Antenna Information

Section 1. Antenna Assembly Specifications

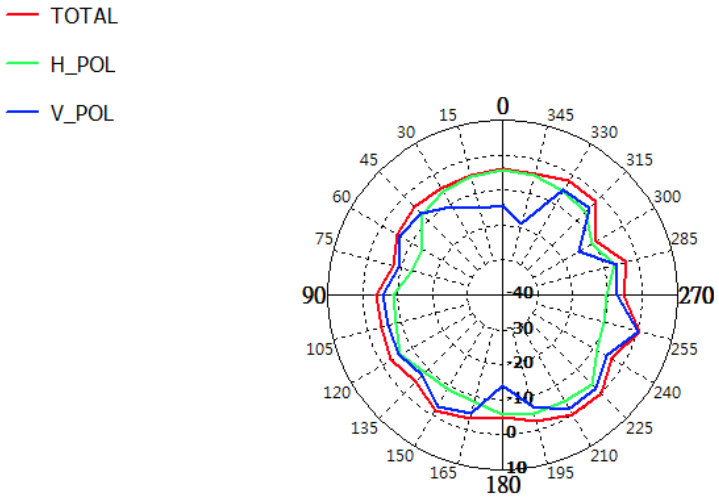
1A Antenna Part Number	1B Manufacturer	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E * Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G Max VSWR	1H Cable Loss (dB)
(P/N: DC33002Q000 WA-P-LE-02-084) Main Antenna (TX1)	INPAQ TECHNOLOGY CO., LTD	PIFA	50 ohm Coaxial. length:23mm diameterr:0.81mm LLS Connector: IPEX-20565	2400-2495	2.37	2.45	3.00	0.08
				5150-5250	1.62	1.74	3.00	0.12
				5250-5350	2.55	2.67	3.00	0.12
				5470-5725	2.19	2.32	3.00	0.13
				5725-5850	2.33	2.46	3.00	0.13
				5850-5895	1.1	1.23	3.00	0.13
				5925-6425	2.54	2.68	3.00	0.14
				6425-6525	0.81	0.95	3.00	0.14
				6525-6875	0.08	0.22	3.00	0.14
				6875-7125	0.97	1.12	3.00	0.15
P/N: (P/N: DC33002Q010 WA-P-LE-02-085) Aux Antenna (TX2)	INPAQ TECHNOLOGY CO., LTD	PIFA	50 ohm Coaxial length: 47 mm diameter: 0.81mm LLS Connector: IPEX-20565	2400-2495	1.69	1.85	3.00	0.16
				5150-5250	1.26	1.51	3.00	0.25
				5250-5350	0.95	1.2	3.00	0.25
				5470-5725	2.22	2.48	3.00	0.26
				5725-5850	1.27	1.54	3.00	0.27
				5850-5895	0.72	0.99	3.00	0.27
				5925-6425	1.67	1.95	3.00	0.28
				6425-6525	0.24	0.53	3.00	0.29
				6525-6875	1.78	2.08	3.00	0.30
				6875-7125	2.46	2.77	3.00	0.31

Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

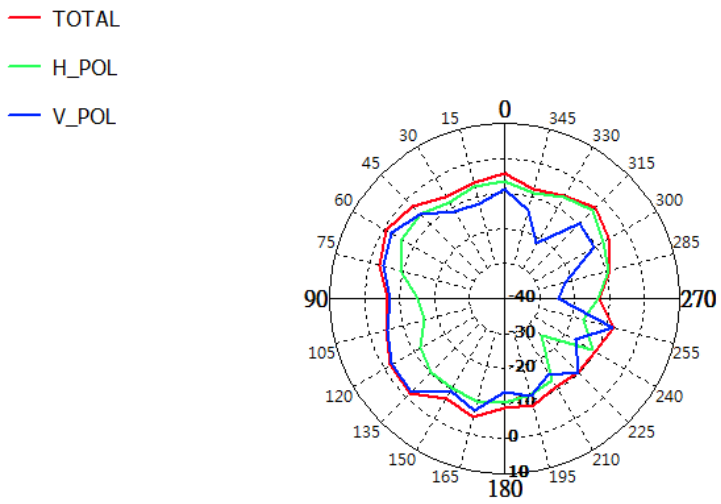
Max Antenna 2D Radiation Pattern 2400 – 2495 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
2400-2495	2.37



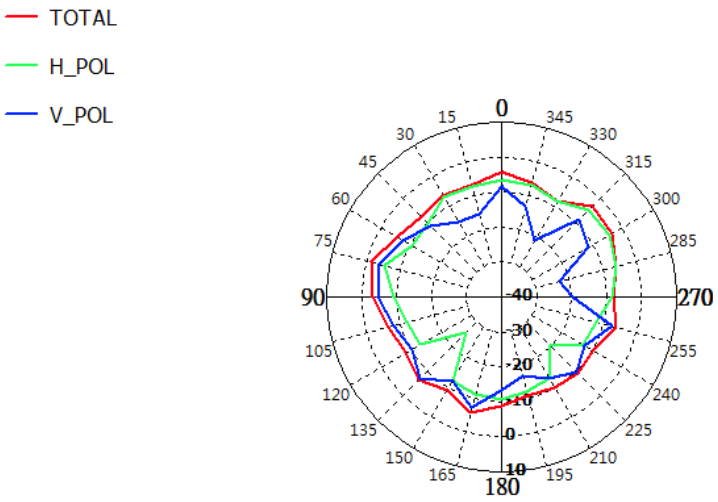
Max Antenna 2D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5150-5250	1.62



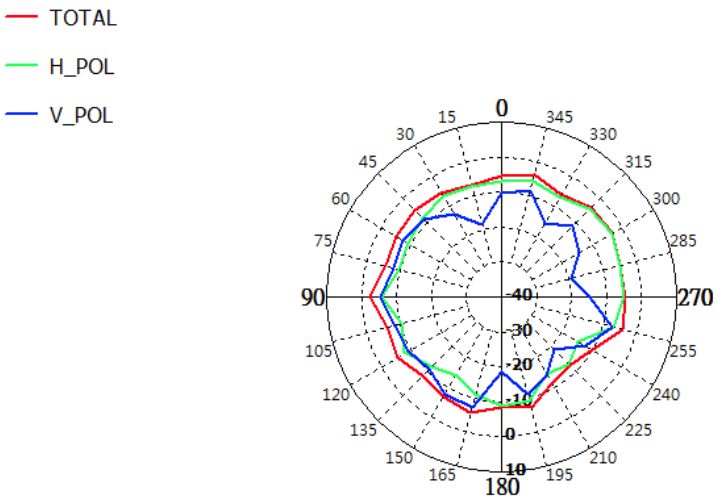
Max Antenna 2D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5250-5350	2.55



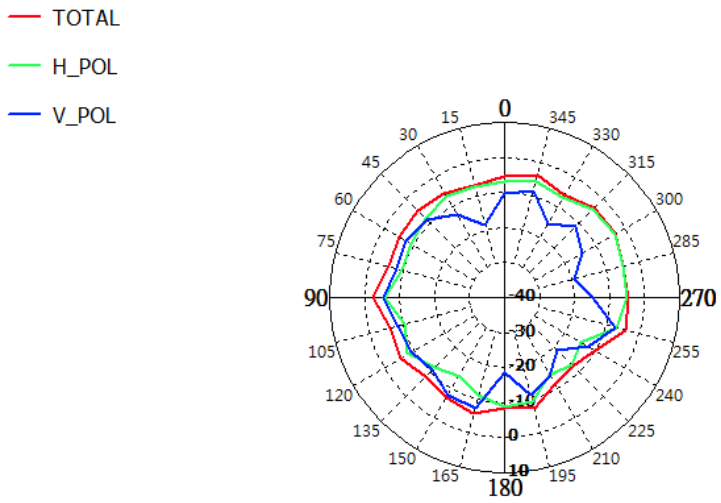
Max Antenna 2D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5470-5725	2.19



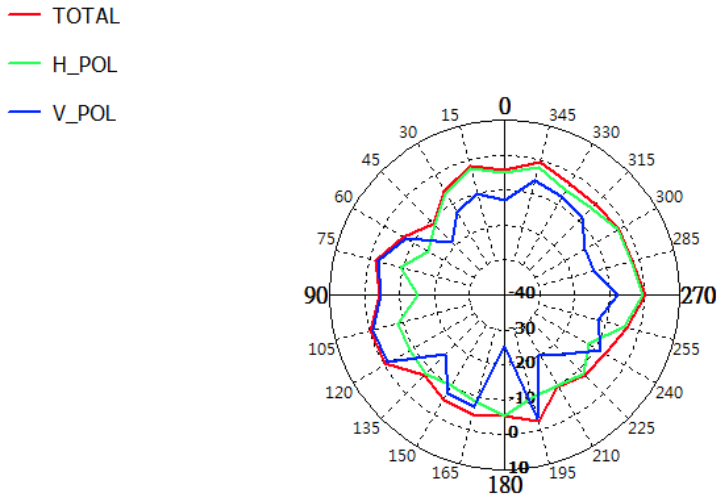
Max Antenna 2D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5725-5850	2.33



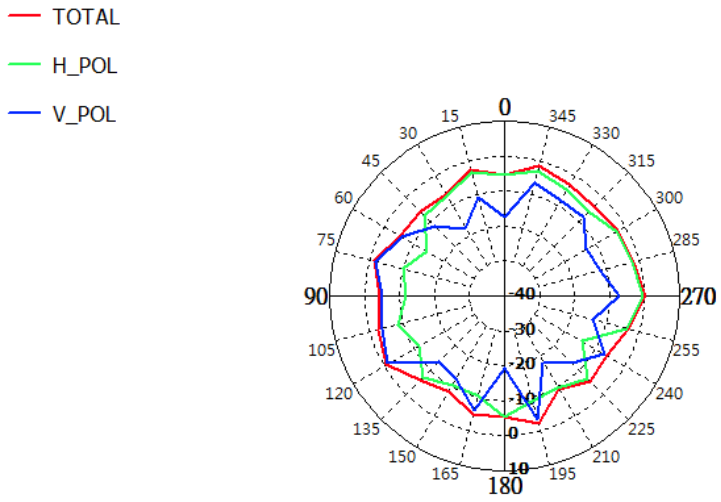
Max Antenna 2D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5850-5895	1.1



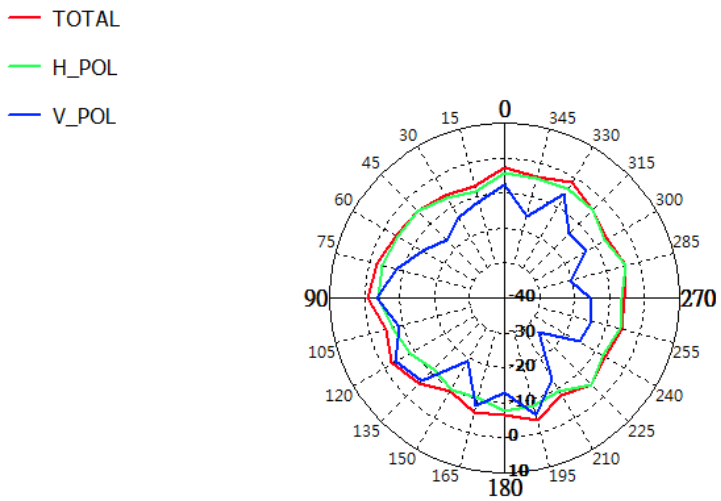
Max Antenna 2D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5925-6425	2.54



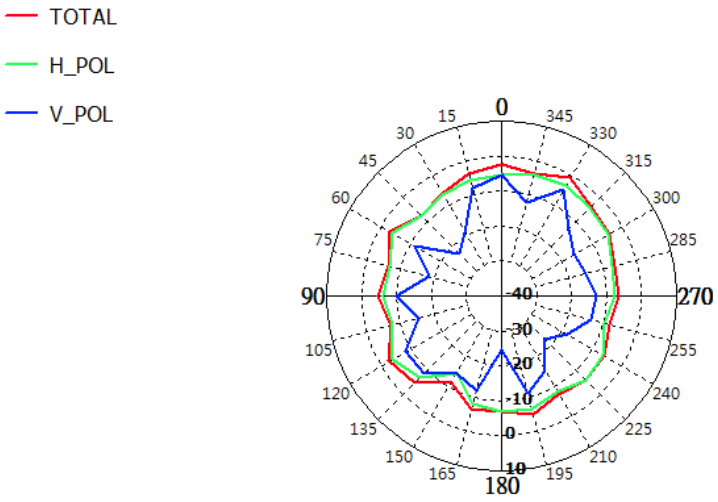
Max Antenna 2D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6425-6525	0.81



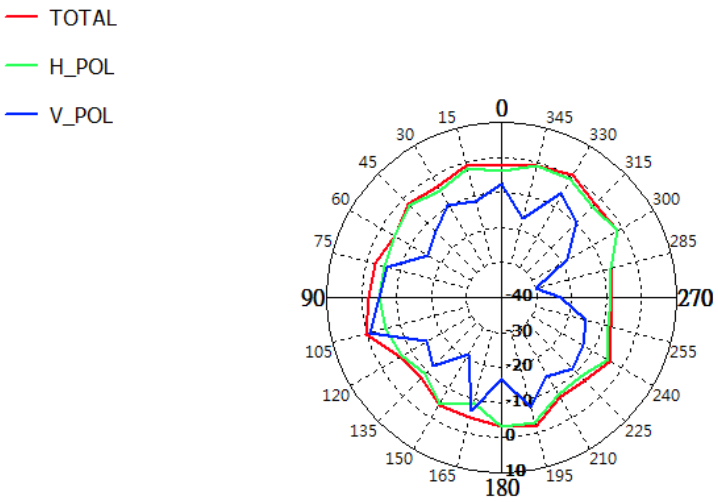
Max Antenna 2D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6525-6875	0.08



Max Antenna 2D Radiation Pattern 6875-7125 MHz

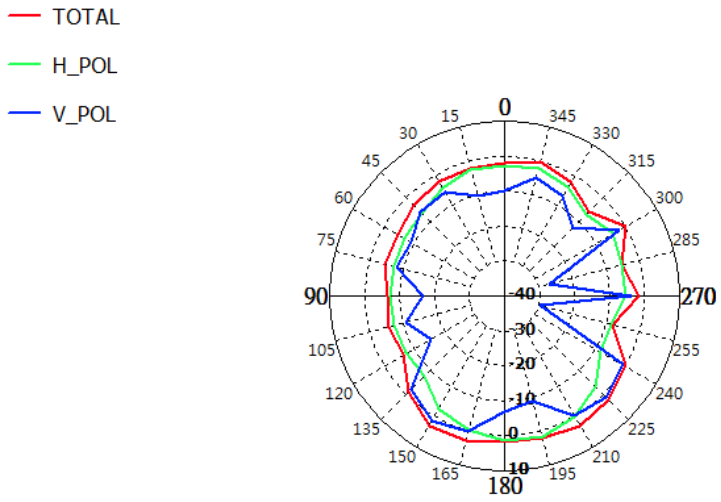
Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6875-7125	0.97



Auxiliary Antenna

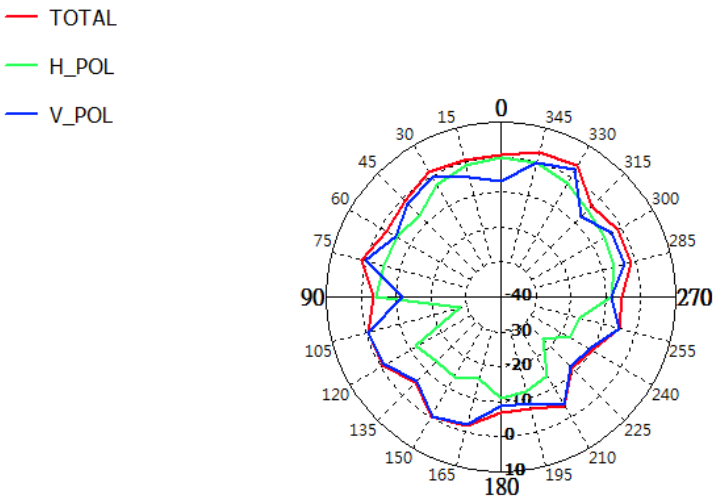
Max Antenna 2D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
2400-2483.5	1.69



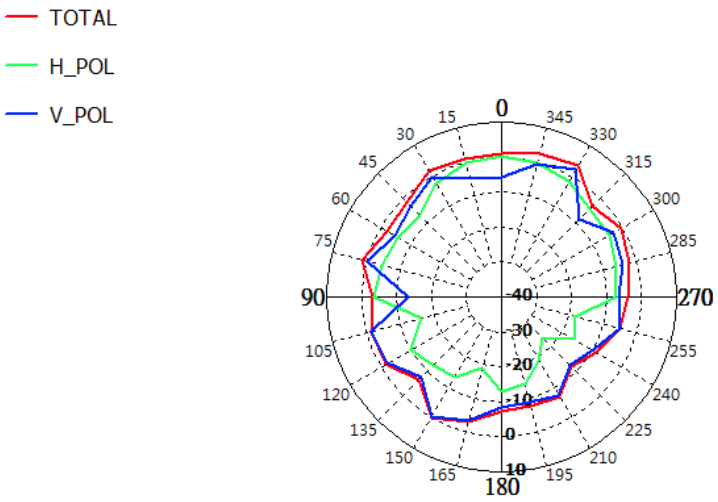
Max Antenna 2D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5150-5250	1.26



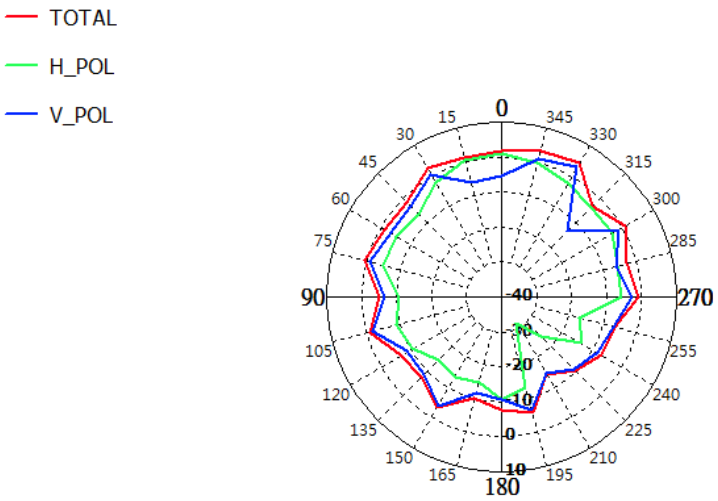
Max Antenna 2D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5250-5350	0.95



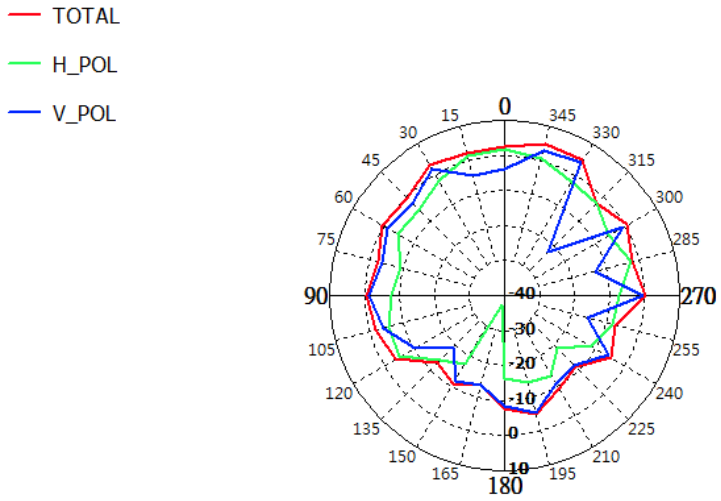
Max Antenna 2D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5470-5725	2.22



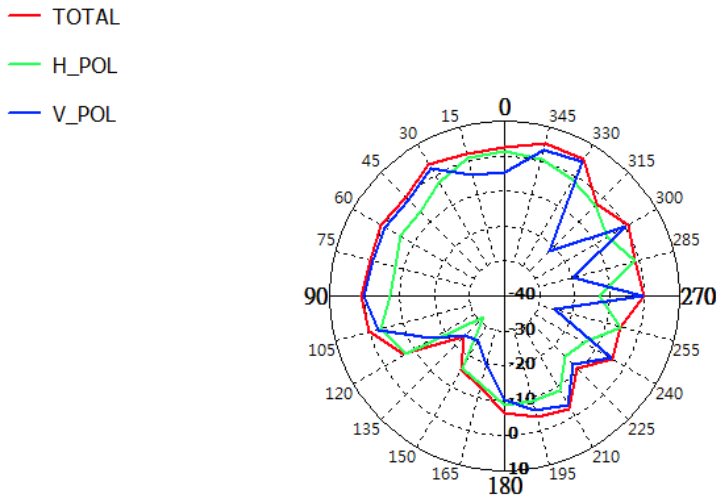
Max Antenna 2D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5725-5850	1.27



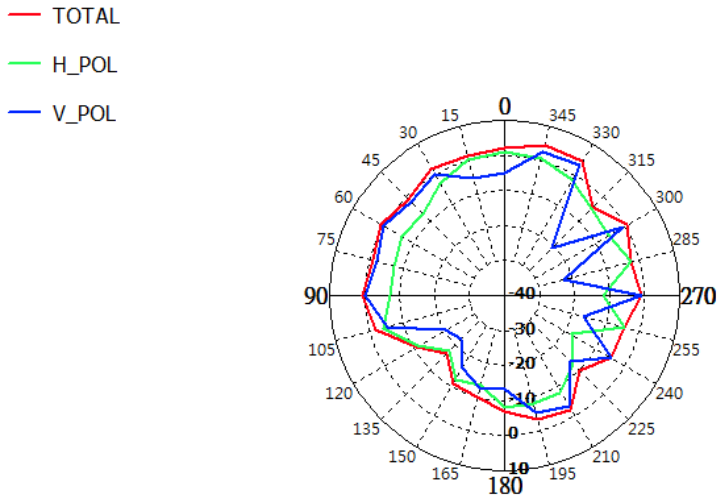
Max Antenna 2D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5850-5895	0.72



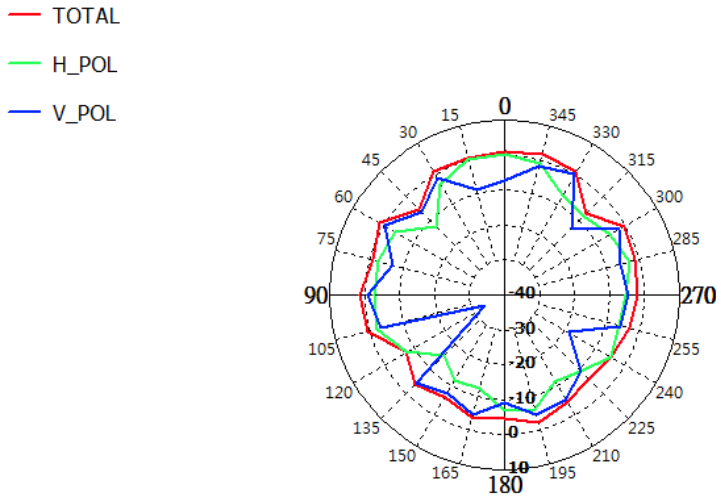
Max Antenna 2D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5925-6425	1.67



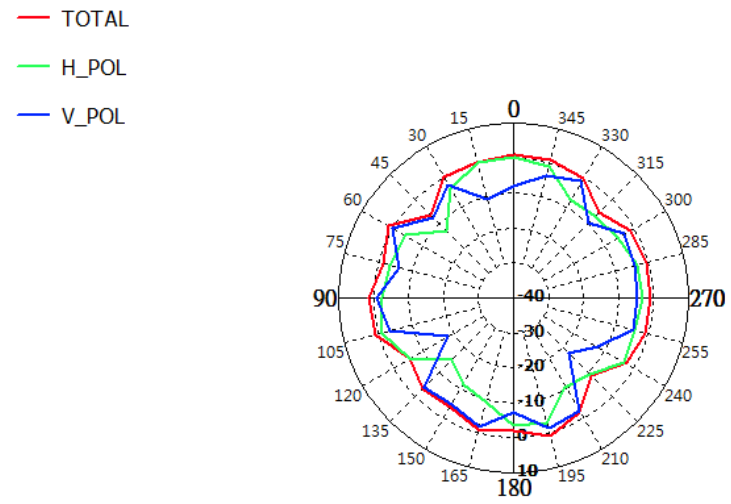
Max Antenna 2D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6425-6525	0.24



Max Antenna 2D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6525-6875	1.78



Max Antenna 2D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6875-7125	2.46