

Regulatory WLAN Antenna Information (Template)

English Language Required for Intel Regulatory Review / Approval

(OEM/ODM or antenna vendor is required to complete this document with platform antenna information.

Remove Intel references and make this your own document)

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-C181	NA		Convertible PC		5.96mm		
*****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/Tx2)			Antenna Part number (Aux/Tx1)			
INPAQ		PIFA		WA-P-LBLB-01-006 (DC33002YW20)			WA-P-LBLB-01-006 (DC33002YW20)			
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	2.85	1.13	1.67	2.58	2.58	1.49	N/A	N/A	N/A	N/A
Aux	0.11	2.58	2.54	2.36	2.36	1.90	N/A	N/A	N/A	N/A
Module Information										
Model		Form factor and suffixes								
MT7921		WIFI6/BT COMBO MODULE 2*2 MT7921LSN, M.2 2230 KEY A-E								
Antenna Vendor Address										

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-LBLB-01-006 (DC33002YW20) Main Antenna (TX2)	INPAQ	PIFA	50 ohm Coaxial length:378mm diameter: 1.13mm Connector Type: IPEX MHF-4L 20565-001R-13	2400-2495	2.85	3.90	3.00 MAX	1.05
				5150-5250	1.13	2.69	3.00 MAX	1.56
				5250-5350	1.67	3.25	3.00 MAX	1.58
				5470-5725	2.58	4.19	3.00 MAX	1.61
				5725-5850	2.58	4.22	3.00 MAX	1.64
				5850-5895	1.49	3.14	3.00 MAX	1.65
				5925-6425	N/A	N/A	N/A	N/A
				6425-6525	N/A	N/A	N/A	N/A
				6525-6875	N/A	N/A	N/A	N/A
P/N: WA-P-LBLB-01-006 (DC33002YW20) Aux Antenna (TX1)	INPAQ	PIFA	50 ohm Coaxial length:538mm diameter: 1.13mm Connector Type: IPEX MHF-4L 20565-001R-13	2400-2495	0.11	1.60	3.00 MAX	1.49
				5150-5250	2.58	4.81	3.00 MAX	2.23
				5250-5350	2.54	4.78	3.00 MAX	2.24
				5470-5725	2.36	4.65	3.00 MAX	2.29
				5725-5850	2.36	4.69	3.00 MAX	2.33
				5850-5895	1.90	4.25	3.00 MAX	2.35
				5925-6425	N/A	N/A	N/A	N/A
				6425-6525	N/A	N/A	N/A	N/A
				6525-6875	N/A	N/A	N/A	N/A
				6875-7125	N/A	N/A	N/A	N/A
				2400-2495	0.11	1.60	3.00 MAX	1.49
				5150-5250	2.58	4.81	3.00 MAX	2.23
				5250-5350	2.54	4.78	3.00 MAX	2.24
				5470-5725	2.36	4.65	3.00 MAX	2.29
				5725-5850	2.36	4.69	3.00 MAX	2.33
				5850-5895	1.90	4.25	3.00 MAX	2.35
				5925-6425	N/A	N/A	N/A	N/A
				6425-6525	N/A	N/A	N/A	N/A
				6525-6875	N/A	N/A	N/A	N/A
				6875-7125	N/A	N/A	N/A	N/A

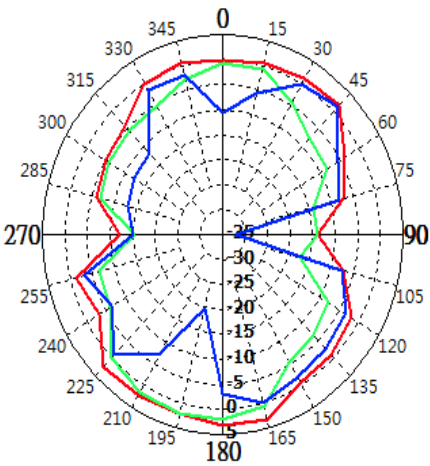
Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

Max Antenna 2D Radiation Pattern 2400 – 2495 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
2400-2495	2.85

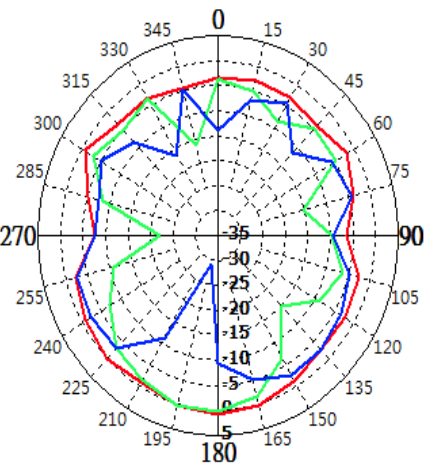
- TOTAL
- H_POL
- V_POL



Max Antenna 2D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5150-5250	1.13

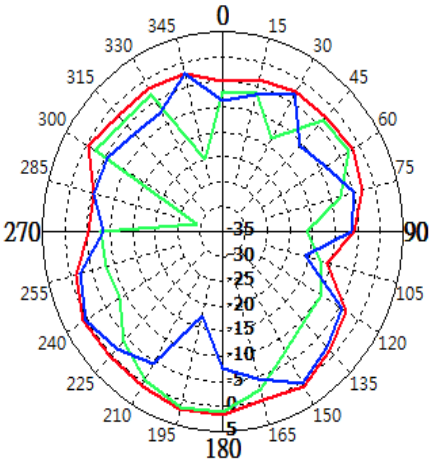
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Max Antenna 2D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5250-5350	1.67

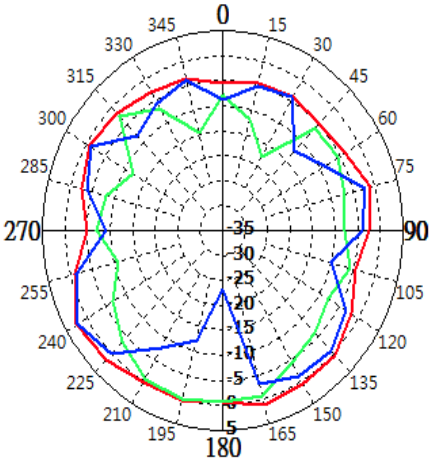
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- H_POL
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Max Antenna 2D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5470-5725	2.58

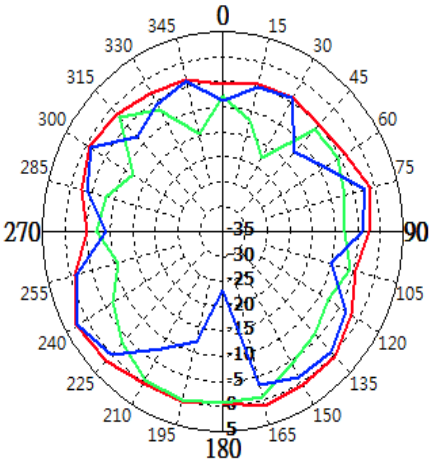
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- H_POL
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Max Antenna 2D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5725-5850	2.58

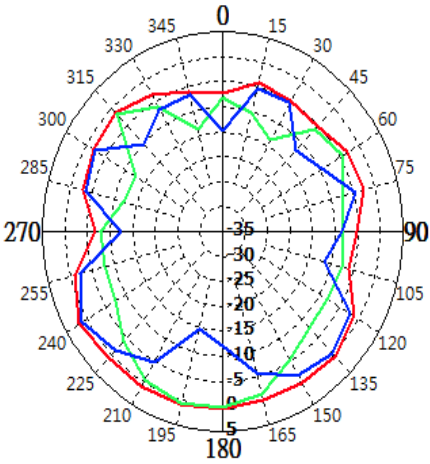
- TOTAL
- H_POL
- V_POL



Max Antenna 2D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5850-5895	1.49

- TOTAL
- H_POL
- V_POL

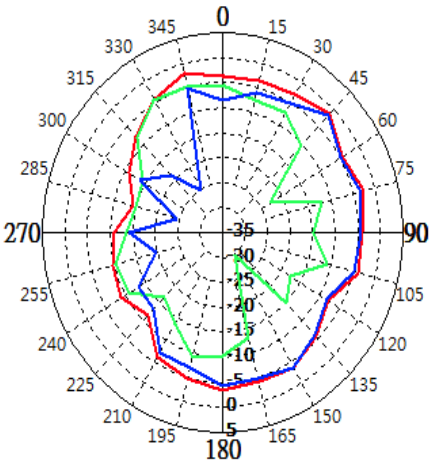


Auxiliary Antenna

Max Antenna 2D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
2400-2483.5	0.11

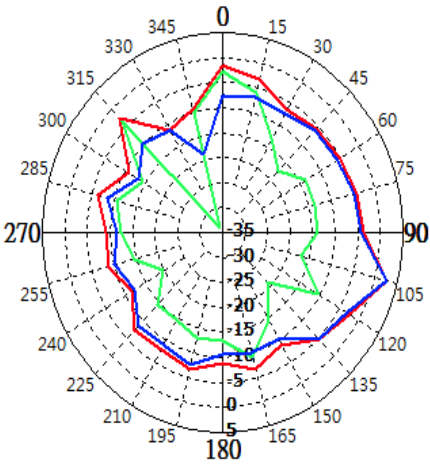
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Max Antenna 2D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5150-5250	2.58

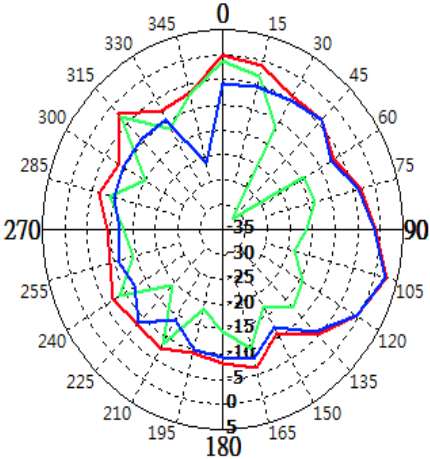
- TOTAL
- H_POL
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Max Antenna 2D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5250-5350	2.54

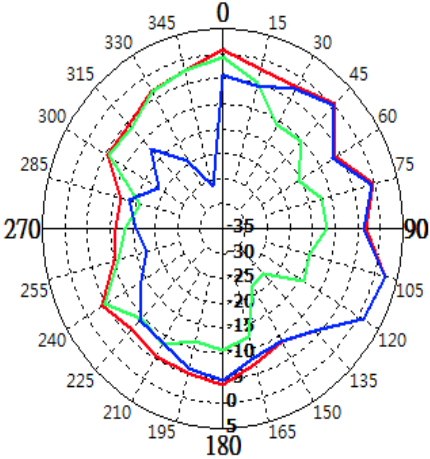
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Max Antenna 2D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5470-5725	2.36

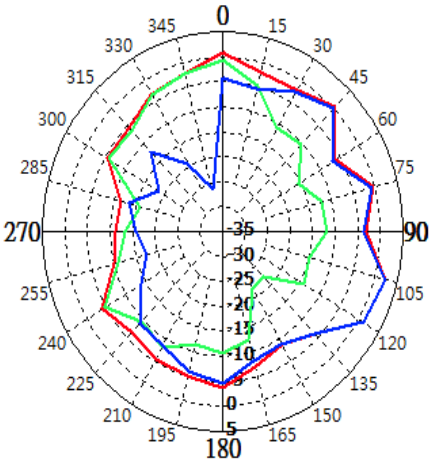
- TOTAL
- H_POL
- V_POL



Max Antenna 2D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5725-5850	2.36

- TOTAL
- H_POL
- V_POL



Max Antenna 2D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5850-5895	1.90

- TOTAL
- H_POL
- V_POL

