

# Regulatory WLAN Antenna Information

Platform information							
Brand	ODM	Platform model name (RMN)	Platform type (ex: Notebook PC, convertible PC, AIO...etc)			SAR minimum separation (mm)	
HP Inc.	Quanta Corporation	TPN-Q283	Notebook PC			2.48	
Antenna information							
Vendor	Type	Antenna Part number (ANT1)			Antenna Part number (ANT2)		
2	PIFA	DQ60ACQD0C4 (OACQD021071N)			DQ60ACQD0C4 (OACQD021071N)		
Peak gain w/ cable loss (dBi)							
2.4GHz 2400-2500MHz	5.2&5.3GHz 5150-5350MHz	5.5GHz 5470-5725MHz	5.8GHz 5725-5850MHz	6.2GHz 5925-6425MHz	6.5GHz 6425-6525MHz	6.7GHz 6525-6875MHz	6.9GHz 6875-7125MHz
0.01	0.86	0.66	0.27	N/A	N/A	N/A	N/A
Module information							
Model	Form factor and suffixes (NGW/ HMW AND AN/ NB/ BN....)						
MT7921 (Tequila)	Mediatek MT7921 Wi Fi 6 +BT 5.2 M.2 2230 PCI e+USB WW WLAN 2x2 (M.2)						
Notes (marked with *)							
<p><b>* SAR minimum separation (mm)</b></p> <ul style="list-style-type: none"> <li>- Regular NB: Minimum antenna-to-body (from antenna bottom to the bottom of the device)</li> <li>- Tablet / Convertible PC: Minimum antenna-to-edge (5 sides of the device)</li> <li>- Mini-tablet: Minimum antenna-to-edge (6 sides of the device)</li> </ul> <p><b>* 3D Peak Antenna gain should be equal or greater than -2 dBi</b></p> <ul style="list-style-type: none"> <li>- If a host integrator plans to use a lower gain antenna of the same type, additional CBP(FCC)/EDT(EU) testing need to be performed while the module is installed in the host.</li> </ul>							

# Antenna Information

## Section 1. Antenna Assembly Specifications

1A Antenna Part Number	1B Manu-facturer	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)
DQ60ACQD0C4 (0ACQD021071N)  ANT1 Antenna	2	PIFA	50 ohm Coaxial length: 427mm diameter: 1.13mm Connector: Caimei P/N: 958-C413-W-B-Bu-A0	2400-2500	-0.14	1.09	3	1.23
				5150-5250	0.77	2.59	3	1.82
				5250-5350	0.84	2.66	3	1.82
				5470-5725	0.51	2.50	3	1.99
				5725-5850	-0.11	1.91	3	2.02
DQ60ACQD0C4 (0ACQD021071N)  ANT2 Antenna	2	PIFA	50 ohm Coaxial length: 504mm diameter: 1.13mm Connector: Caimei P/N: 958-C413-W-B-Bu-A0	2400-2500	0.01	1.46	3	1.45
				5150-5250	-0.45	1.70	3	2.15
				5250-5350	0.86	3.01	3	2.15
				5470-5725	0.66	3.00	3	2.34
				5725-5850	0.27	2.65	3	2.38

- Antenna Peak Gain required being test in system basis.
- 1 E frame contend absolutely peak antenna gain include H/V.
- This test report is prepared for host antenna testing under a Full Anechoic Chamber.