

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 (0ACQD021071N)			DQ60ACQD0C4 (0ACQD021071N)		
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 *)							
* SAR minimum separation (mm) - Regular NB: Minimum antenna-to-body (from antenna bottom to the bottom of the device) - Tablet / Convertible PC: Minimum antenna-to-edge (5 sides of the device) - Mini-tablet: Minimum antenna-to-edge (6 sides of the device)							
* 3D Peak Antenna gain should be equal or greater than -2 dBi - 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.							

Antenna Information

Section 1. Antenna Assembly Specifications

1A	1B	1C	1D		1E	1F	1G	1H
Antenna Part Number	Manu-facturer	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)
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.