

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)		
1	PIFA	DQ6L15G7200 (81EABL15.G72)			DQ6L15G7200 (81EABL15.G72)		
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
1.93	2.84	2.9	2.83	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>* SAR minimum separation (mm)</p> <ul style="list-style-type: none"> - 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) <p>* 3D Peak Antenna gain should be equal or greater than -2 dBi</p> <ul style="list-style-type: none"> - 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 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)
DQ6L15G7200 (81EABL15.G72) ANT1 Antenna	1	PIFA	50 ohm Coaxial length: 427mm diameter: 1.13mm Connector: IPEX P/N: 20.F2056.001	2400-2500	1.93	3.11	3	1.18
				5150-5250	2.84	4.6	3	1.76
				5250-5350	2.58	4.35	3	1.77
				5470-5725	2.9	4.72	3	1.82
				5725-5850	2.83	4.68	3	1.85
DQ6L15G7200 (81EABL15.G72) ANT2 Antenna	1	PIFA	50 ohm Coaxial length: 504mm diameter: 1.13mm Connector: IPEX P/N: 20.F2056.001	2400-2500	1.59	2.92	3	1.33
				5150-5250	1.22	3.2	3	1.98
				5250-5350	2.28	4.28	3	2
				5470-5725	1.89	3.94	3	2.05
				5725-5850	1.71	3.79	3	2.08

- 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.