

Dyson / DBWIFIBLE05

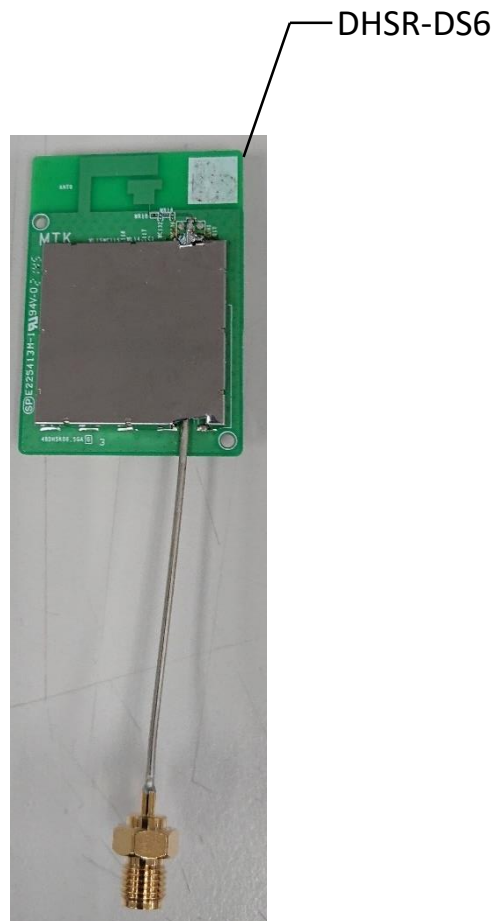
Antenna test report

2021/11/23

Provided by Joe



Tested module and Fan setting (Horizontal placed)

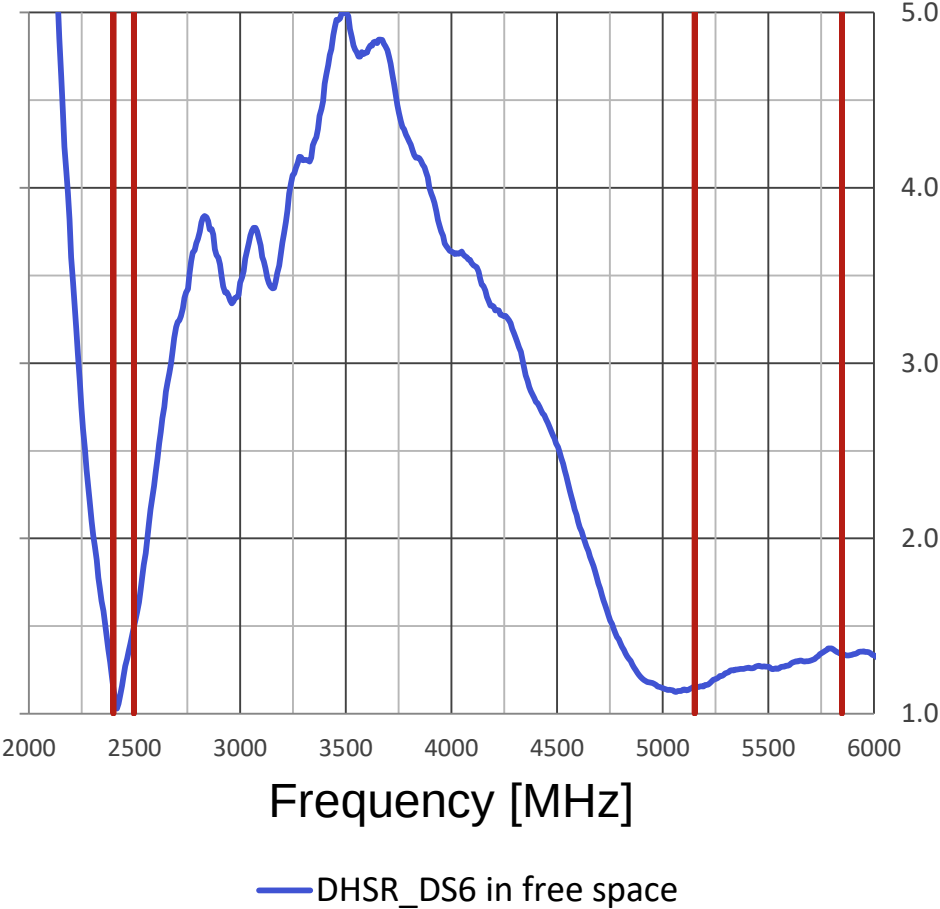


Key parameter summary



- **Maximum VSWR**
 - 1.5:1 on 2.4GHz in free space / 1.4:1 on 5GHz in free space
- **Average Efficiency**
 - ~65% on 2.4GHz in free space / ~71% on 5GHz in free space
- **Peak Gain**
 - 2.1dBi on 2.4GHz in free space / 3.4dBi on 5GHz in free space



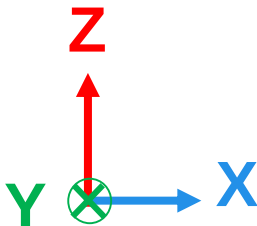


2.4GHz	Max	Mean	Min
DHSR_DS6 in free space	1.5	1.2	1.0

5GHz	Max	Mean	Min
DHSR_DS6 in free space	1.4	1.3	1.2



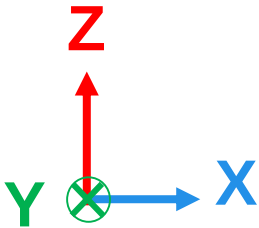
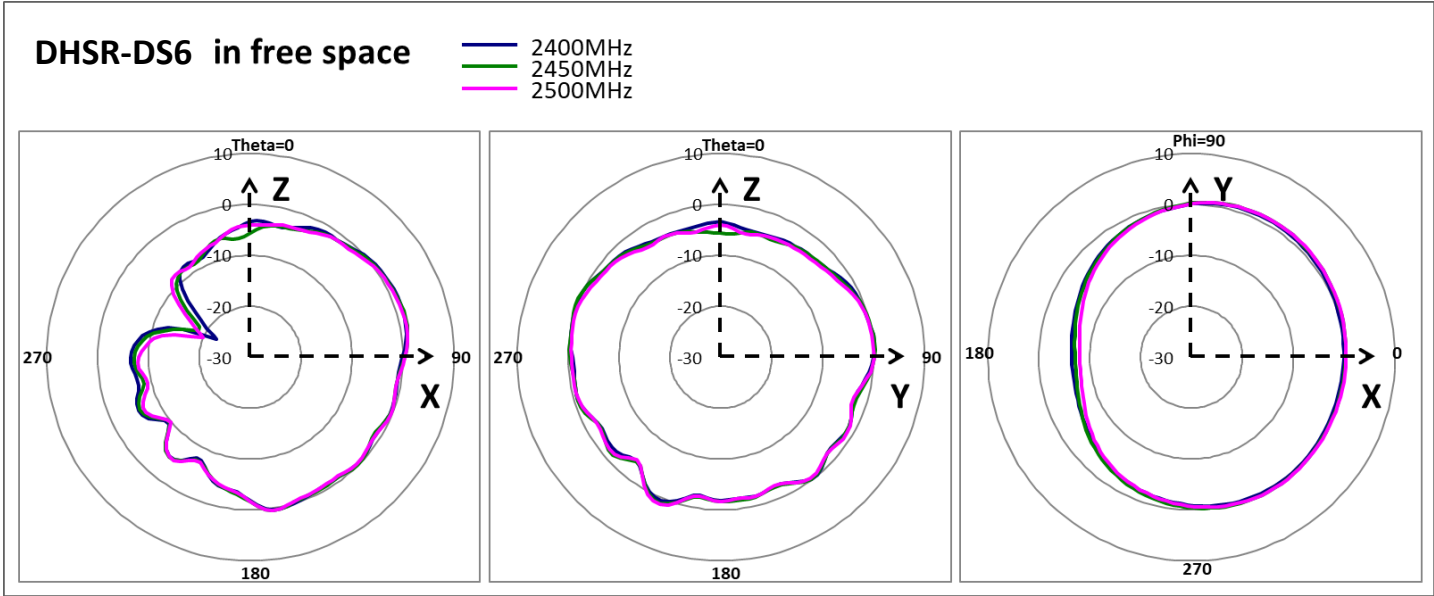
Efficiency



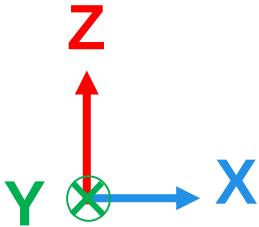
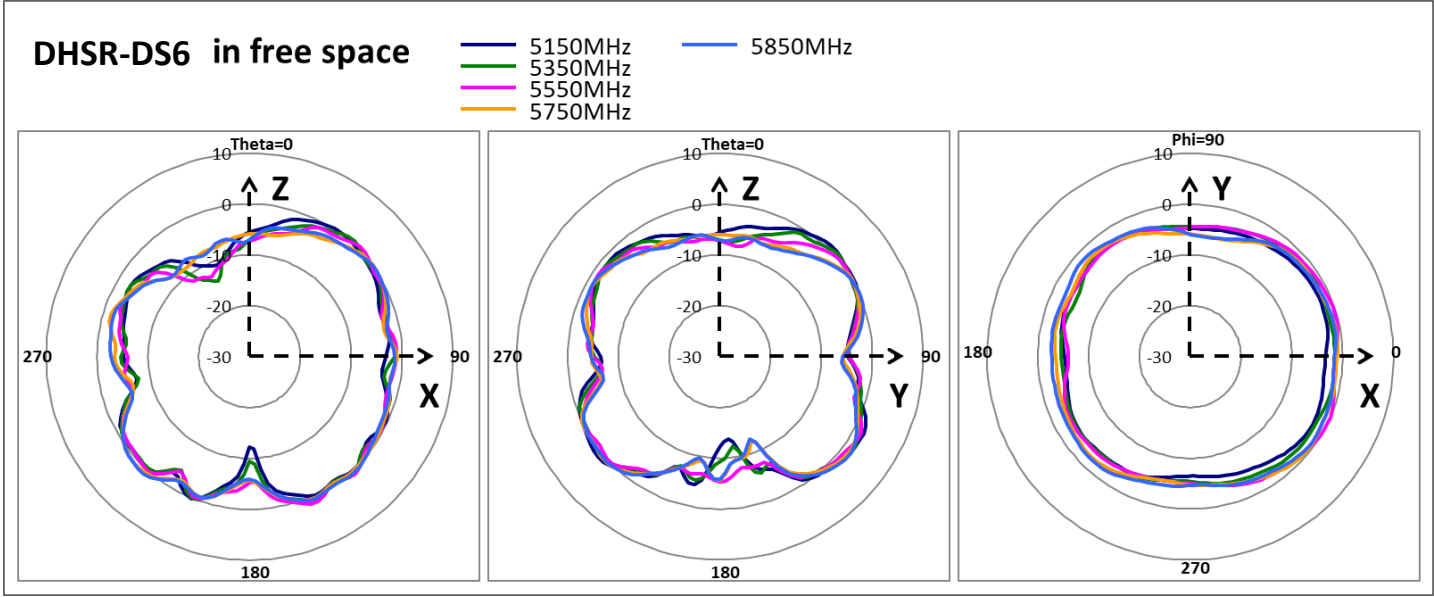
	Frequency	2400	2450	2500	Avg.	5150	5350	5550	5750	5850	Avg.
DHSR-DS6 in free space	Efficiency	66%	66%	63%	65%	72%	70%	69%	71%	73%	71%
	Average Gain	-1.83	-1.82	-1.98		-1.43	-1.53	-1.58	-1.50	-1.37	
	Peak Gain	1.78	1.91	2.12		2.59	2.62	2.79	3.42	3.44	



Realized Gain Pattern @WiFi 2.4G



Realized Gain Pattern @WiFi 5G





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