

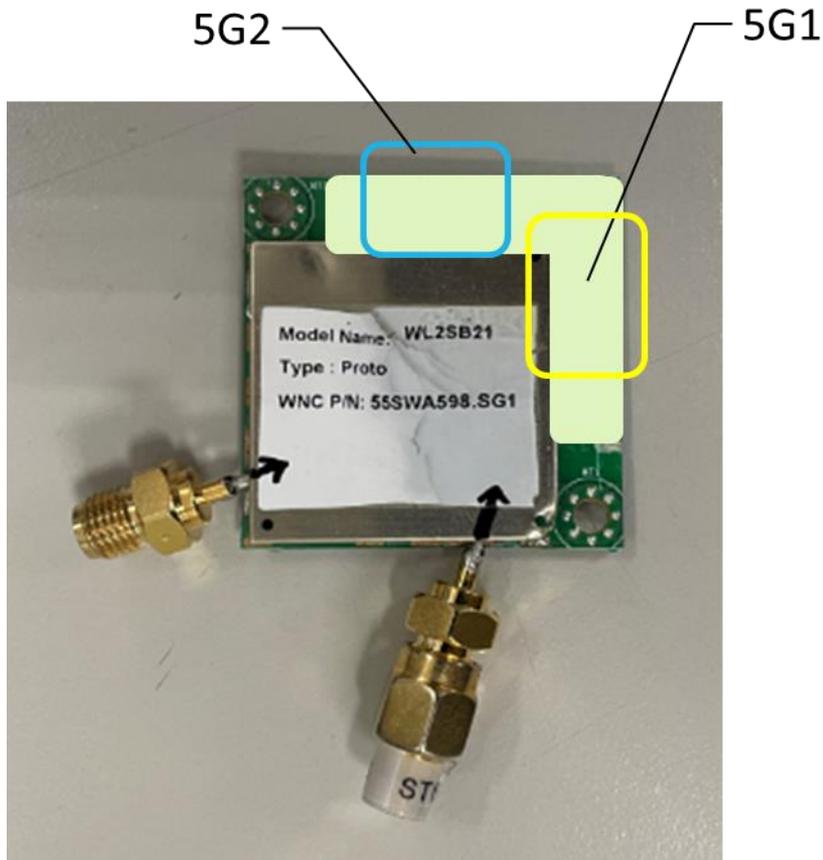
Antenna Test Report for SWA52-L1

Aug 18, 2022



Smarter Solutions for a Smarter Future

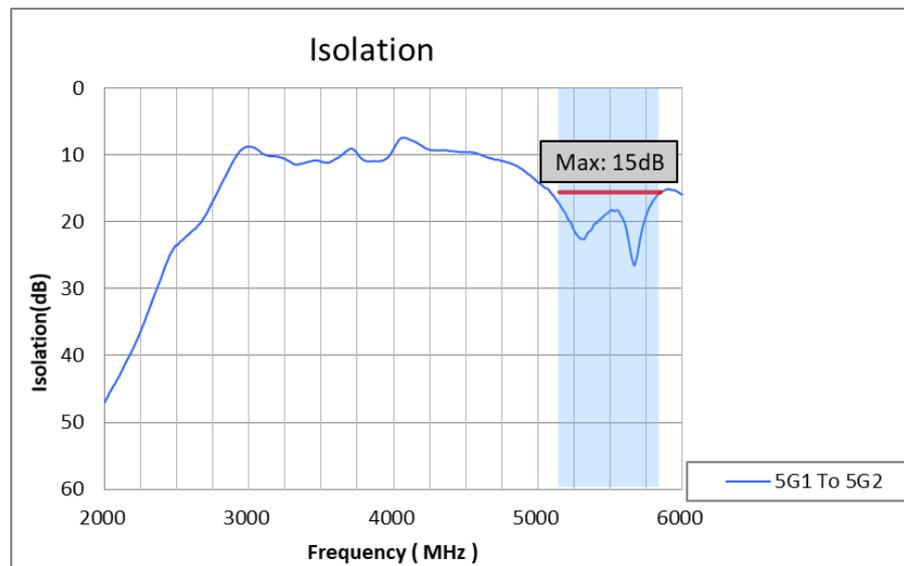
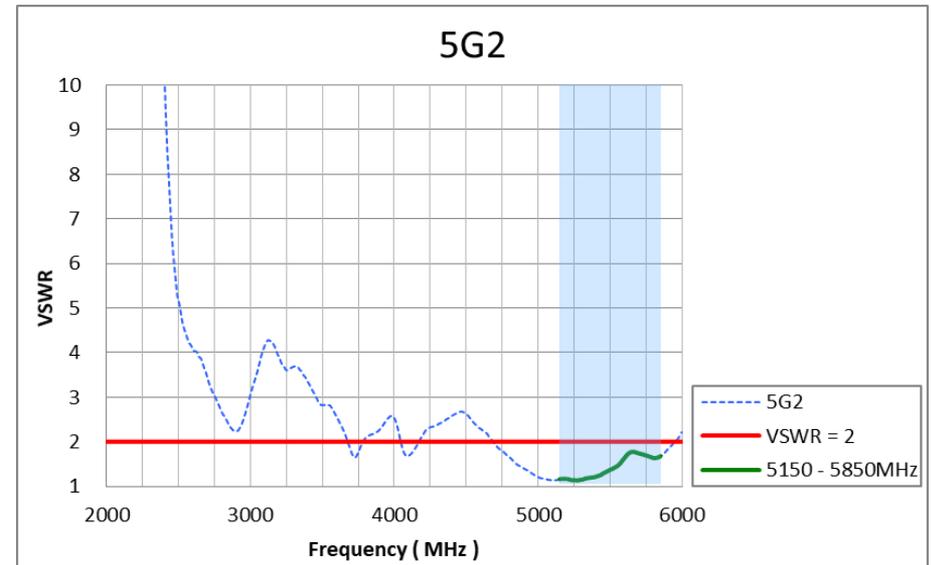
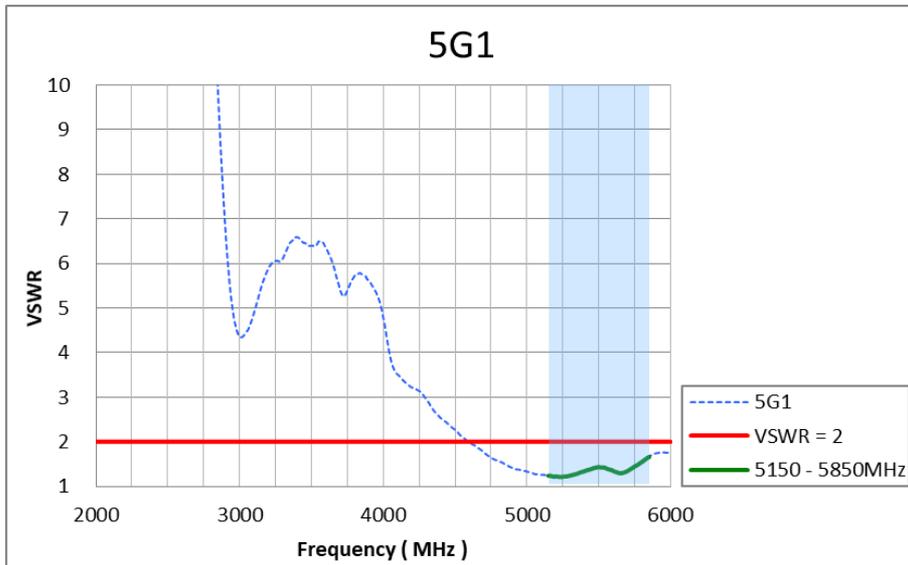
SWA52-L1



- **Antenna Test System**
 - Satimo SG64
- **Manufacturer**
 - WNC (Wistron NeWeb Corp.)
- **VSWR**
 - Under 2
- **Isolation**
 - > 15dB
- **Average Radiation efficiency**
 - ~ 67% for 5G1
 - ~ 65% for 5G2
- **Peak gain**
 - < 3.48 dBi for 5G1
 - < 3.40 dBi for 5G2



VSWR & Isolation



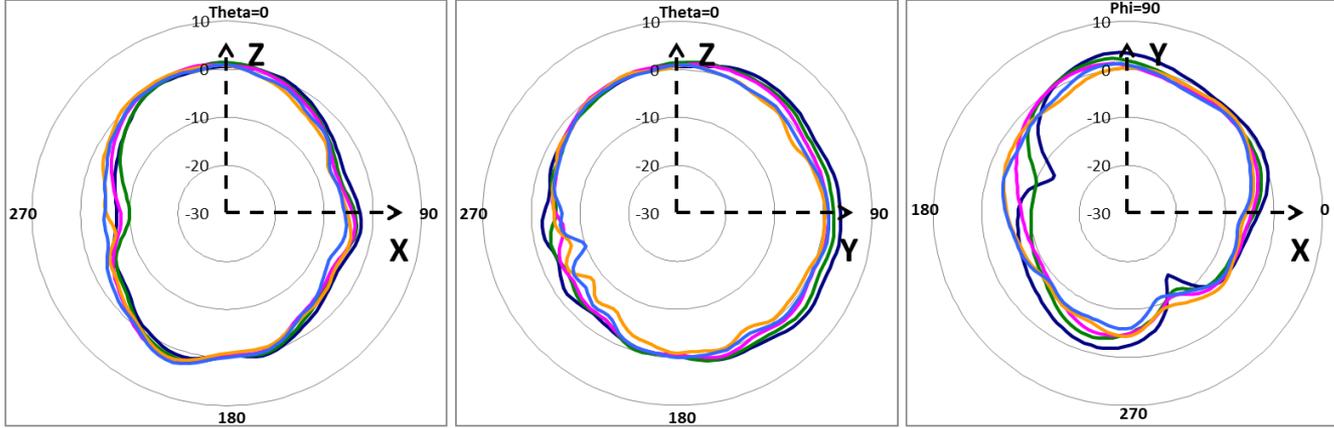
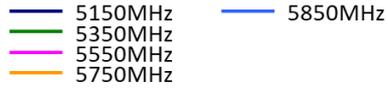
Efficiency and Gain

	Frequency	5150	5350	5550	5750	5850	Avg.
5G1	Efficiency	71%	72%	68%	61%	62%	67%
	Average Gain	-1.50	-1.45	-1.65	-2.16	-2.06	
	Peak Gain	3.43	2.86	2.90	2.84	3.18	
5G2	Efficiency	70%	68%	60%	63%	64%	65%
	Average Gain	-1.53	-1.70	-2.23	-2.03	-1.94	
	Peak Gain	3.26	3.40	2.78	2.91	2.47	

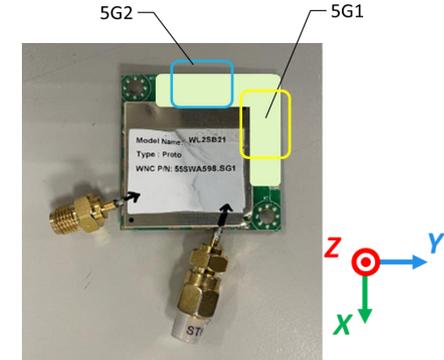
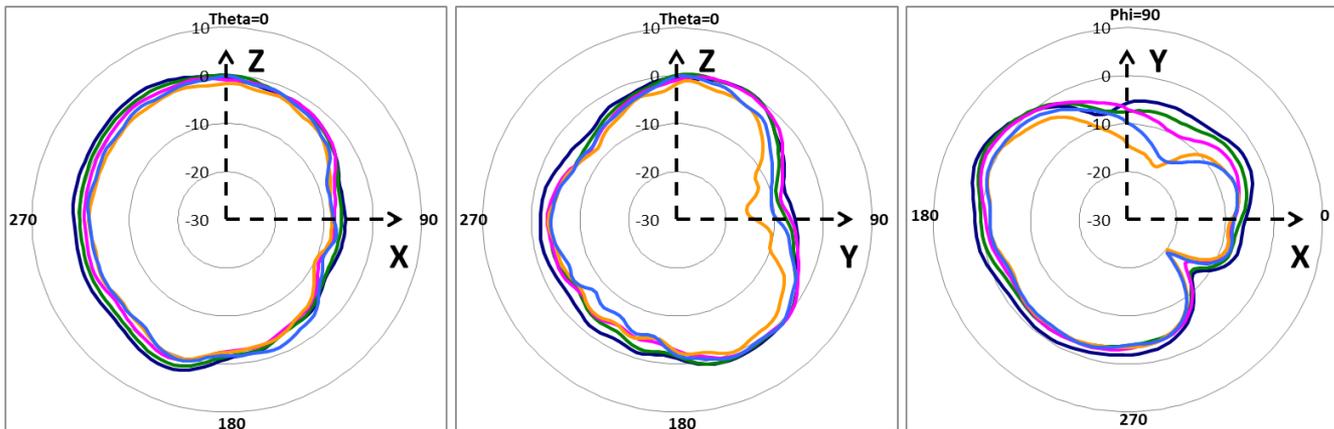
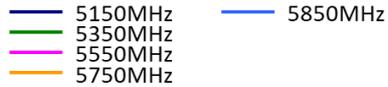


Radiation Pattern for 5GHz

5G1 Radiation Pattern



5G2 Radiation Pattern



WNC[®]

Smarter Solutions for a Smarter Future



Smarter Solutions for a Smarter Future