

SAMJIN



## RTK BLE Module Antenna Spec

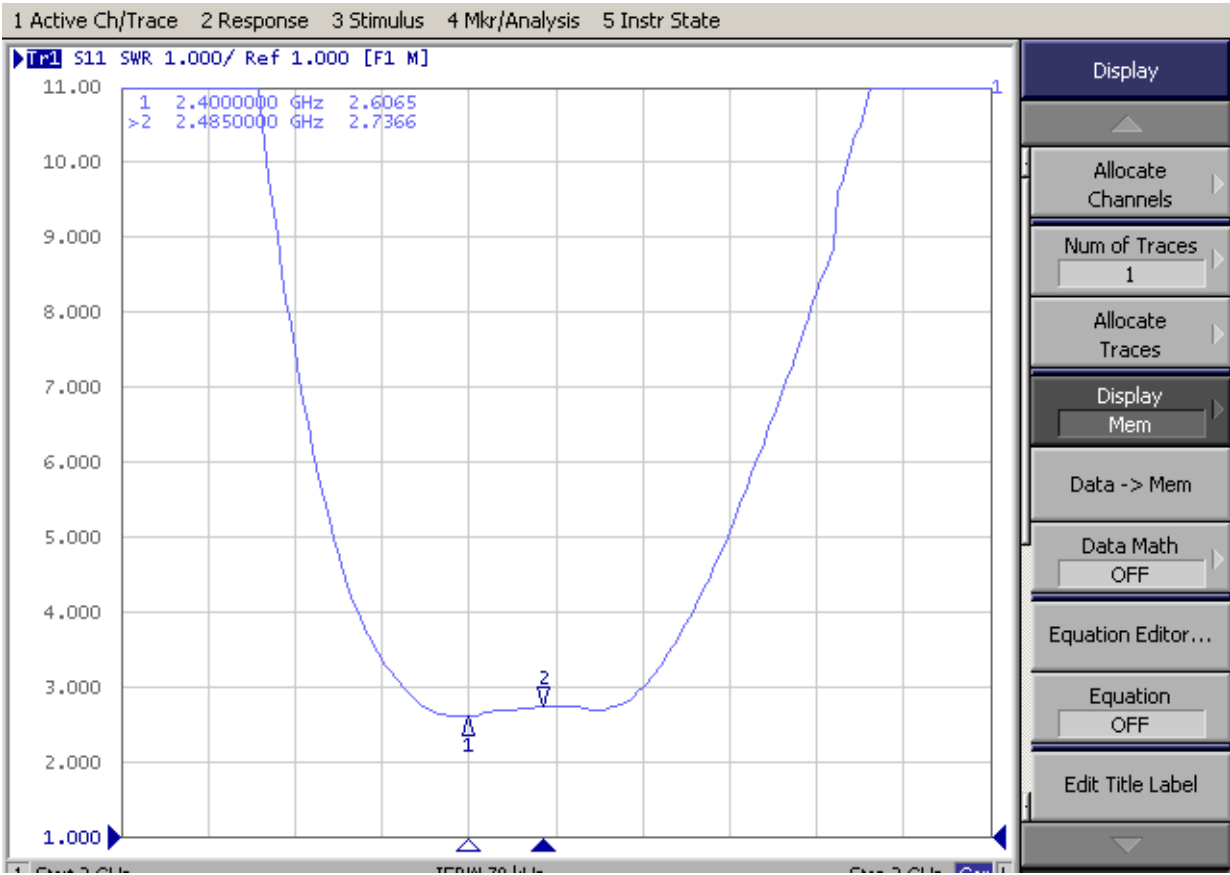
# RTK BLE Module Antenna Spec

1. Antenna manufacturer
  - SAM JIN CO., LTD.
2. Address of the antenna manufacturer
  - Samjin Technology Research Center, 87, Deokcheon-ro 72beon-gil, Manan-gu, Anyang-si, Gyeonggi-do
3. Antenna model number
  - N/A

# RTK BLE Module Antenna Spec - VSWR



DUT



VSWR



# RTK BLE Module Antenna Spec - 3D GAIN

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-2.81	-2.64	-2.63	-3.00	-3.51
Efficiency [%]	52.3	54.5	54.6	50.2	44.6
TRG <sub>θ</sub> [dB]	-3.53	-3.36	-3.33	-3.73	-4.48
Gain <sub>θ Peak</sub> [dB]	0.80	0.96	0.97	0.60	0.02
Gain <sub>θ Min</sub> [dB]	-30.43	-28.29	-23.77	-21.89	-23.21
TRG <sub>φ</sub> [dB]	-10.98	-10.80	-10.89	-11.05	-10.48
Gain <sub>φ Peak</sub> [dB]	-5.48	-5.15	-5.22	-5.27	-4.56
Gain <sub>φ Min</sub> [dB]	-29.46	-33.77	-33.49	-31.70	-29.33
UHRG [dB]	-8.54	-8.45	-8.52	-8.86	-9.28
UHRG/TRG [%]	26.7	26.3	25.8	25.9	26.5
H-Plane	-2.78	-2.64	-2.67	-3.12	-3.93
E1-Plane, AVG [dB]	-4.22	-4.12	-4.18	-4.70	-5.70
E2-Plane, AVG [dB]	-4.73	-4.45	-4.34	-4.61	-5.18
Peak Gain [dBi]	1.52	1.67	1.70	1.24	0.94
Directivity [dB]	4.33	4.31	4.33	4.24	4.44
Minimum Gain [dB]	-15.93	-16.56	-17.15	-16.52	-17.22