

Antenna Information

- 1 Manufacturer's name: KDT R&D Center
- 2 Manufacture Address: 413ho, Dongtan-daero 23-gil, Hwaseong-si, Gyeonggi-do, Republic of Korea
- 3 Antenna model name: S20
- 4 Antenna type: PIFA
- 5 Antenna Gain: Only radiated measurements are used to show compliance with FCC limits for fundamental and spurious emissions.

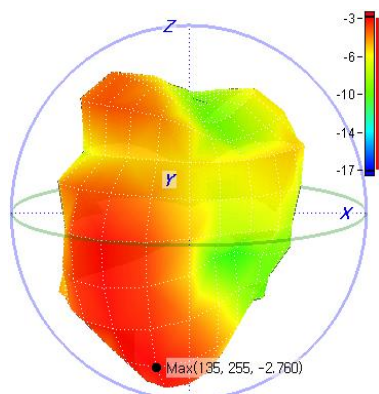
5.1 2.4G +5G WIFI 3D Radiation Pattern Measurement Results

Ant1

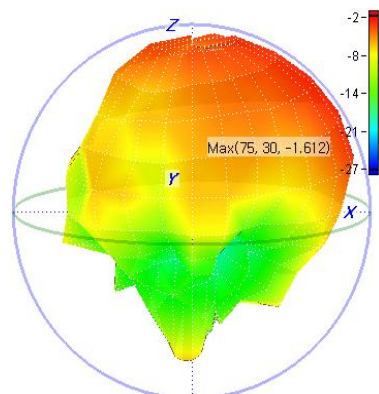
No	Frequency	Peak Value		Minimum Value		Avg. Gain	Efficiency
	[MHz]	Value[dBi]	Degree	Value[dBi]	Degree	[dBi]	[%]
1	2400	-1.58	150 / 255	-17.47	105 / 60	-6.06	24.80
2	2450	-2.76	135 / 255	-17.44	120 / 75	-7.18	19.16
3	2485	-2.75	135 / 255	-16.68	120 / 75	-7.36	18.38
4	5150	0.88	60 / 30	-27.10	165 / 225	-4.93	32.08
5	5500	1.92	90 / 45	-21.76	180 / 300	-3.93	40.44
6	5875	-1.61	75 / 30	-27.28	180 / 270	-6.88	20.53

3D Radiation Pattern

2.4G WIFI



5G WIFI

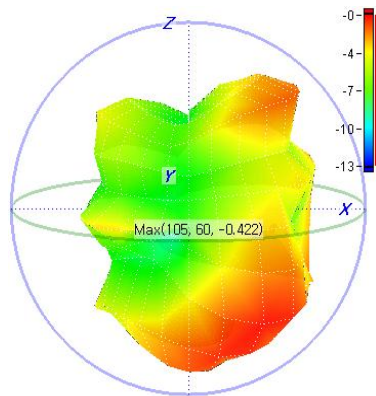


AN2

No	Frequency	Peak Value		Minimum Value		Avg. Gain	Efficiency
	[MHz]	Value[dBi]	Degree	Value[dBi]	Degree	[dBi]	[%]
1	2400	-0.05	105 / 45	-15.151	105 / 120	-3.89	40.80
2	2450	-0.42	105 / 60	-12.924	150 / 0	-4.22	37.86
3	2485	-0.31	135 / 75	-16.776	150 / 0	-4.45	35.86
4	5150	0.34	90 / 150	-20.083	120 / 0	-6.36	23.12
5	5500	-0.36	75 / 135	-24.170	180 / 315	-6.22	23.87
6	5875	-0.90	75 / 105	-22.597	105 / 345	-5.08	31.04

3D Radiation Pattern

2.4G WIFI



5G WIFI

