

Antenna Information

Item	Contents
Antenna Type	Metal Antenna
Antenna peak gain	-7.75 dBi
Manufacturer / Model name	S-CONNECT / DECORATION STEM
Address of manufacturer	building 3, No. 233, Zhongtang section Beiwang Road, Zhongtang Town,Dongguan City, Guangdong Province Provice China
Test Laboratory	Samsung Electronics Co., Ltd.
Antenna Length	29.5 mm
Antenna Width	6.0 mm

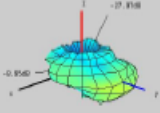
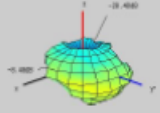
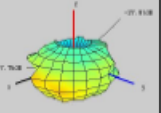
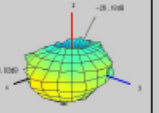
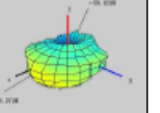


Model name: SM-R640
Left (SM-R640L)

Antenna Peak Gain & Antenna Radiation Pattern (3D)

- Test Dates : 2025. 11. 05

- Location : Samsung R&D Center R5 bld

Model	Freq. [MHz]				
	2,400 MHz	2,420 MHz	2,440 MHz	2,460 MHz	2,480 MHz
Galaxy Buds	 -8.95 dBi	 -8.48 dBi	 -7.75 dBi	 -8.02 dBi	 -8.27 dBi

Left	Frequency [MHz]	Average Gain			Peak Gain		
		Ver	Hor	Total	Ver	Hor	Total
1	2400	-16.50	-17.98	-14.17	-9.68	-12.18	-8.95
2	2420	-16.06	-17.44	-13.68	-9.63	-11.59	-8.48
3	2440	-15.48	-16.88	-13.11	-8.75	-10.85	-7.75
4	2460	-15.45	-16.76	-13.04	-9.02	-10.50	-8.02
5	2480	-15.75	-16.81	-13.24	-9.68	-10.90	-8.27

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Left (SM-R640L)