

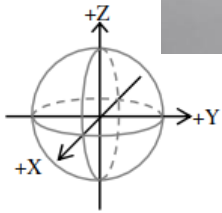
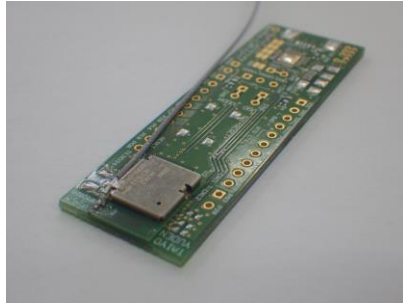
EC2820 Antenna Description

Confidential

Measured in MVG SG24 system at TAIYO YUDEN R&D CENTER.

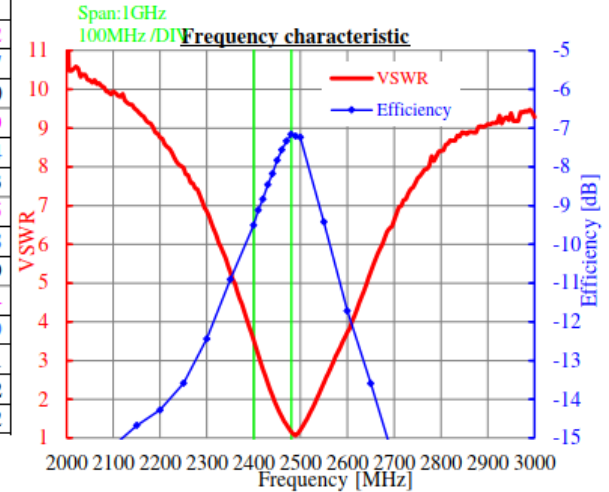
17.May.2021

Appearance and coordinates definition



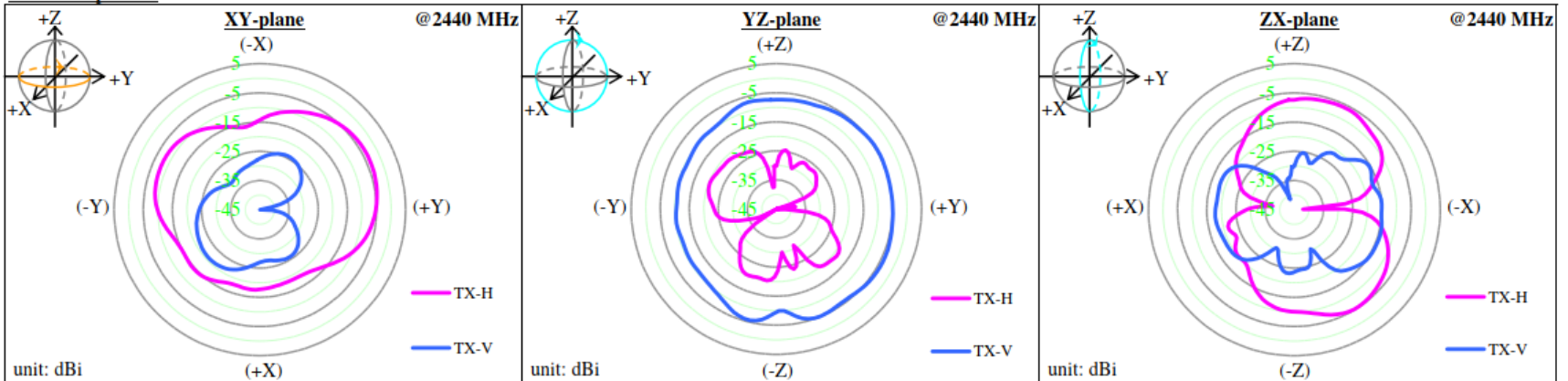
Measurement data of antenna

Frequency [MHz]		@ 2400	@ 2440	@ 2480
Peak gain [dBi]				
3-plane	TX-H	-5.2	-3.7	-2.6
	TX-V	-5.2	-4.0	-3.4
		-5.2	-3.7	-2.6
Average gain [dBi]				
XY-plane	TX-H	-10.9	-9.2	-8.2
	TX-V	-26.9	-25.7	-23.7
	Plus(H,V)	-10.8	-9.1	-8.0
YZ-plane	TX-H	-25.4	-23.4	-21.9
	TX-V	-7.5	-6.4	-5.4
	Plus(H,V)	-7.5	-6.3	-5.3
XZ-plane	TX-H	-11.1	-10.3	-9.5
	TX-V	-21.1	-19.1	-17.8
	Plus(H,V)	-10.7	-9.8	-8.9
3plane	TX-H	-12.7	-11.4	-10.4
	TX-V	-12.1	-10.9	-9.9
		-9.4	-8.1	-7.1
Efficiency [dB]		-9.5	-8.2	-7.2
VSWR [:1]		3.5	2.1	1.2



*Note:The value is average value in 1 round of each inclination direction angle.

Radiation pattern



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