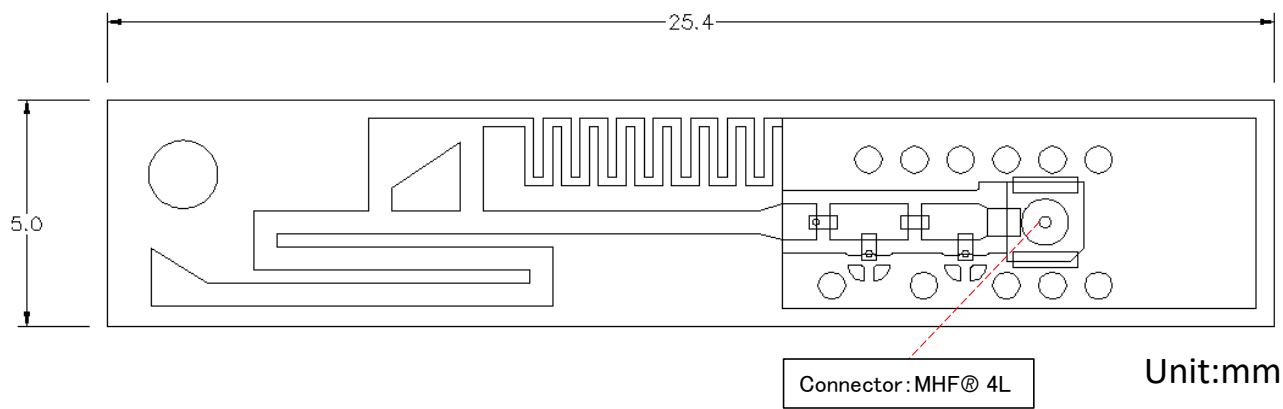


Antenna Specifications

1. Specification

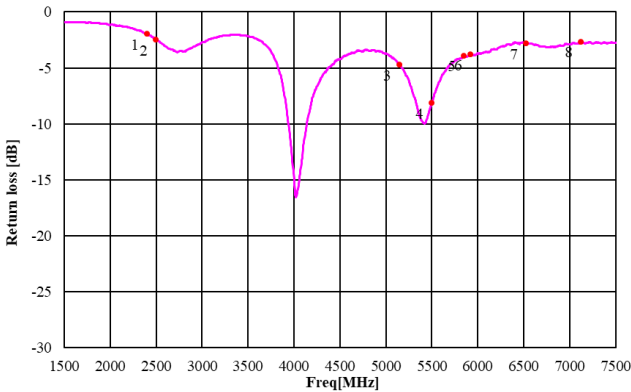
Item	Contents
Corporation	Sigma Corporation
Product name	Antenna
Model name	EAF727A
Frequency	2400~2500 MHz / 5150~5850 MHz / 5925~7125 MHz
Antenna type	Monopole antenna
Antenna gain	2400~2500 MHz: -1.1 dBi or less 5150~5850 MHz: -3.1 dBi or less 5925~7125 MHz: -3.7 dBi or less
Nominal Impedance	50 Ω

2. Antenna outline

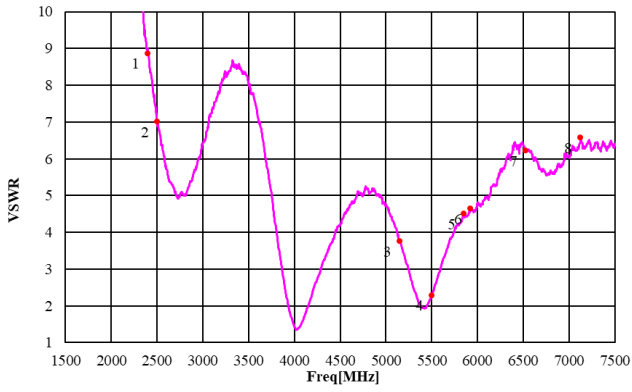


3. Reflective properties

Return loss



VSWR



Maker No.	Freaquency[MHz]	Return loss[dB]	VSWR
1	2400	-2.0	8.9
2	2500	-2.5	7.0
3	5150	-4.7	3.8
4	5500	-8.2	2.3
5	5850	-3.9	4.5
6	5925	-3.8	4.6
7	6525	-2.8	6.2
8	7125	-2.7	6.6

4. Antenna Gain

2400–2500MHz

Frequency[MHz]	Average gain[dBi]	Peak Gain[dBi]
2400	−9.2	−3.4
2450	−8.2	−2.1
2500	−7.5	−1.1

5150–5850MHz

Frequency[MHz]	Average gain[dBi]	Peak Gain[dBi]
5150	−10.1	−5.7
5200	−10.1	−5.9
5250	−10.5	−6.0
5300	−10.4	−6.5
5350	−10.6	−7.5
5400	−10.5	−6.0
5450	−10.5	−5.5
5500	−10.8	−4.4
5550	−10.4	−3.7
5600	−10.0	−3.2
5650	−10.1	−3.6
5700	−10.0	−3.4
5750	−9.9	−3.2
5800	−10.1	−3.1
5850	−10.0	−3.5

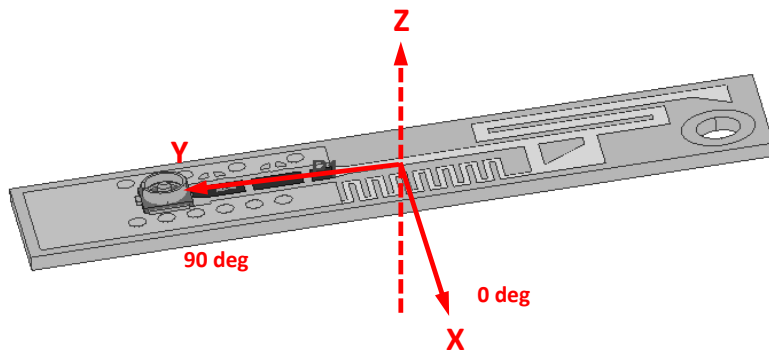
5925–7125MHz

Frequency[MHz]	Average gain[dBi]	Peak Gain[dBi]
5925	−9.6	−3.7
6025	−9.2	−4.4
6125	−9.3	−4.5
6225	−9.5	−5.3
6325	−9.0	−4.9
6425	−9.1	−5.8
6525	−8.5	−5.4
6625	−8.5	−5.4
6725	−8.2	−5.0
6825	−8.5	−5.1
6925	−9.5	−6.1
7025	−10.6	−7.0
7125	−11.9	−8.2

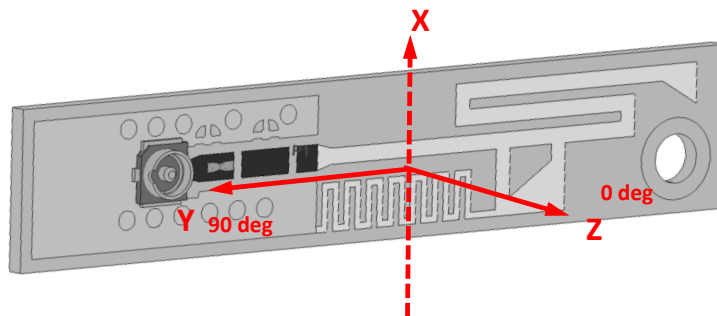
5. Antenna Gain · Radiation pattern

DUT orientation setting

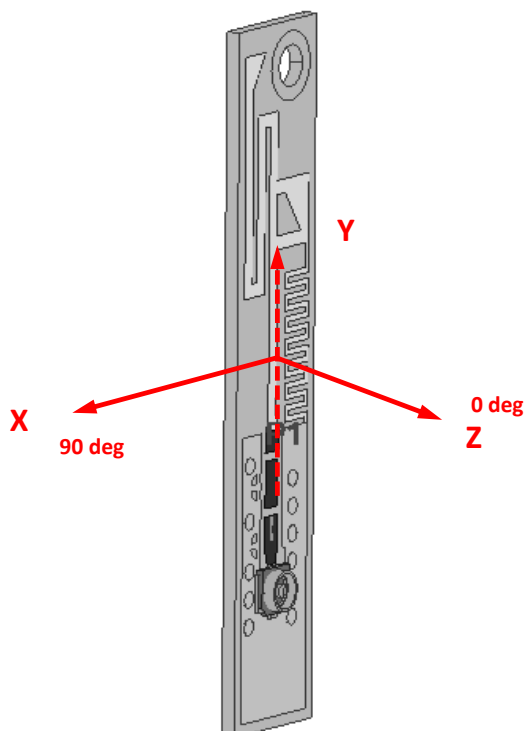
X-Y



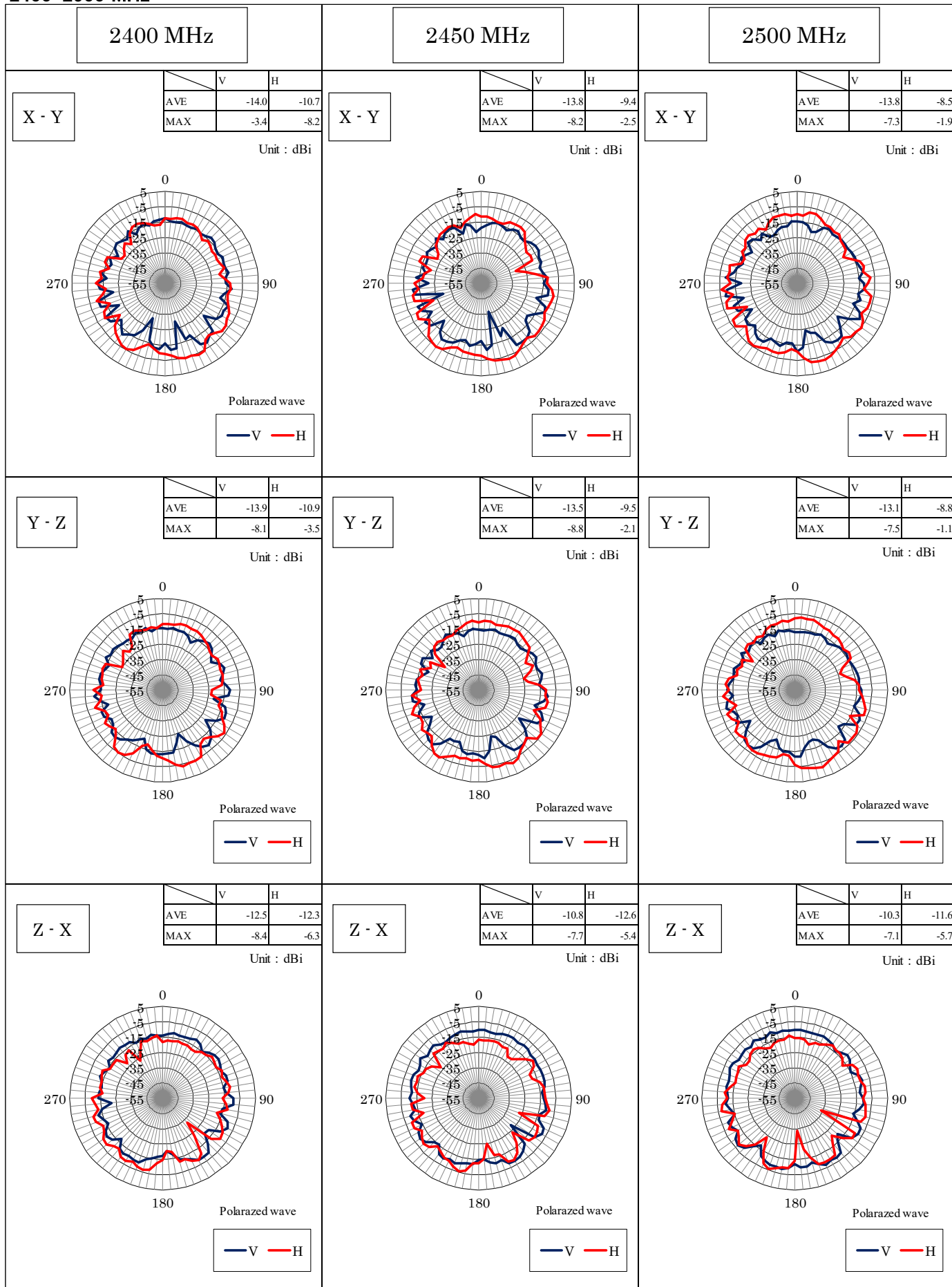
Y-Z



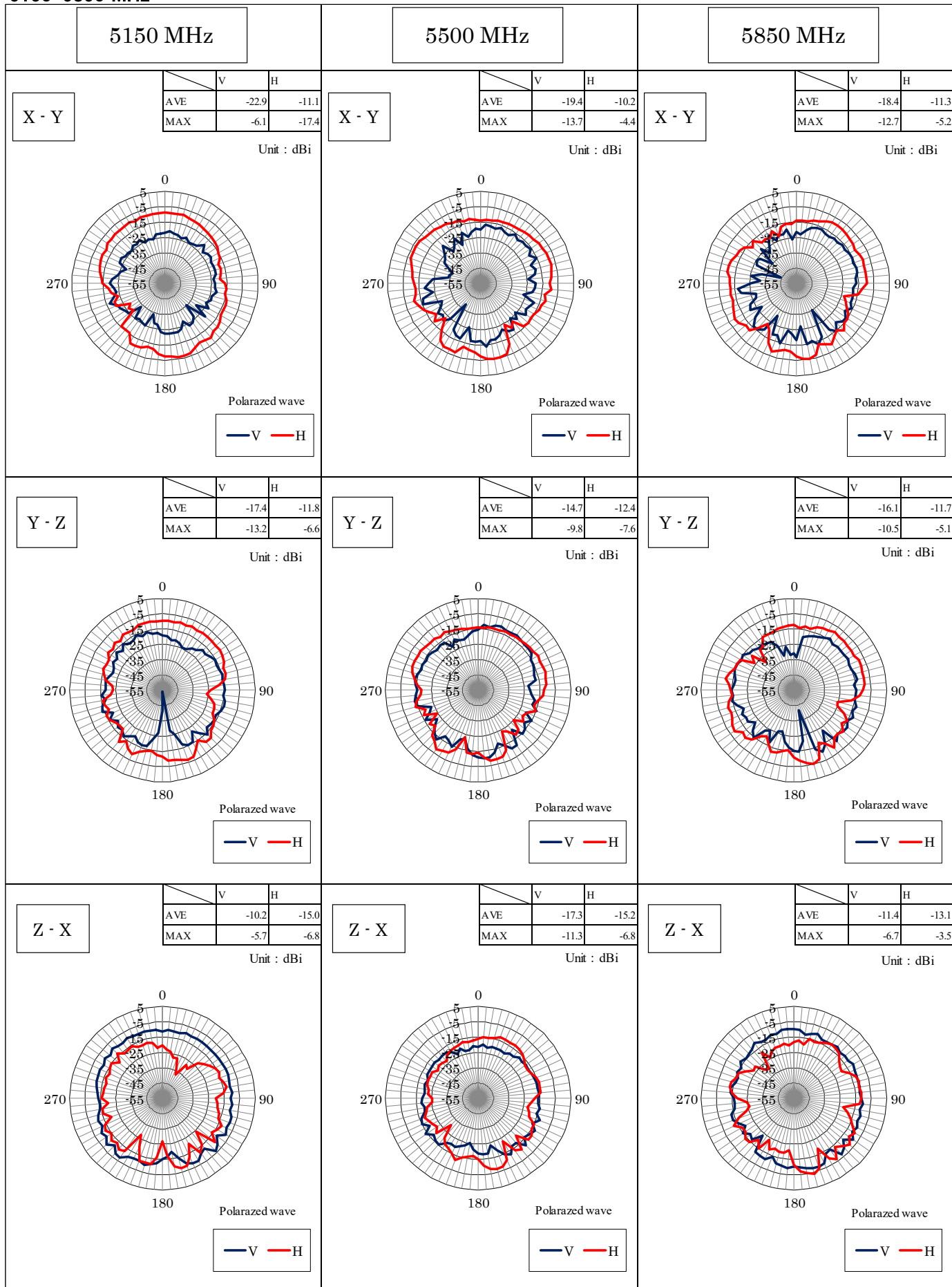
Z-X



2400-2500 MHz



5150-5850 MHz



5925-7125 MHz
