

# WN4520L-G

# ANTENNA DATA SHEET

Sony Corporation

Model Name: WN4520L-G

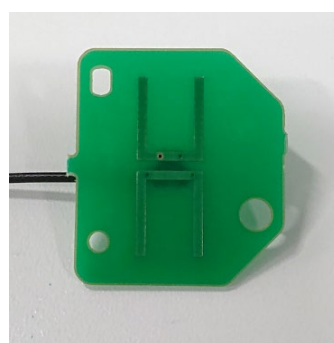
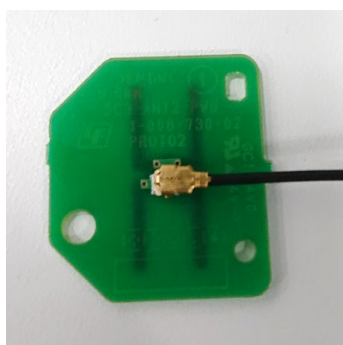
Manufacturer: Sony Corporation

Manufacturer Address: 1-7-1 Konan  
Minato-ku Tokyo  
108-0075 Japan

Country of Origin: Malaysia

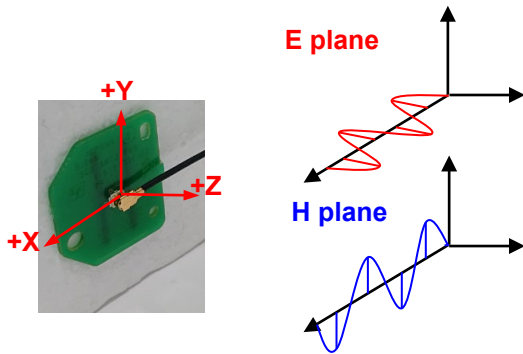
## 1. Specification

Item	Characteristics
FrequencyRange	5.15~5.85GHz
Input Impedance	50 Ω
V.S.W.R	< 3.0
Polarization	linear polarization
Temperature	-10°C to 85°C



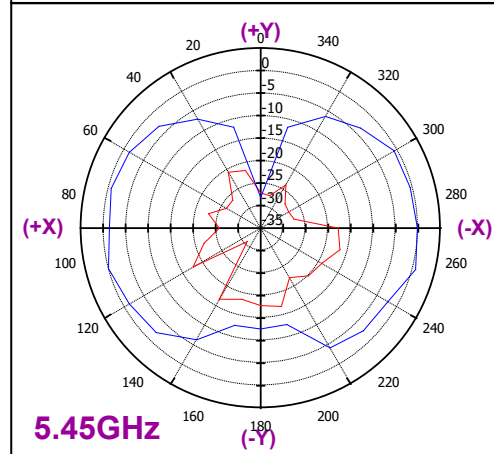
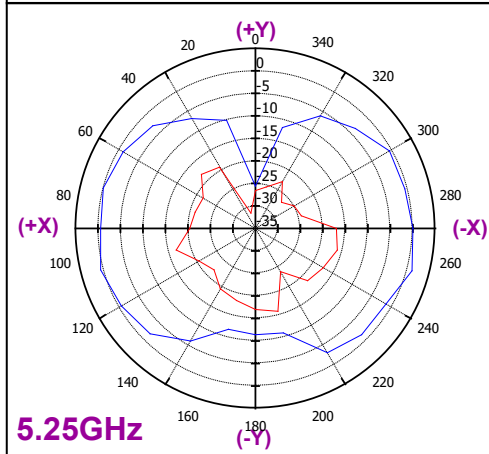
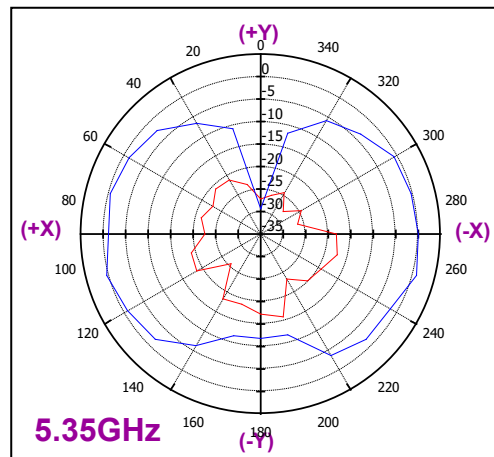
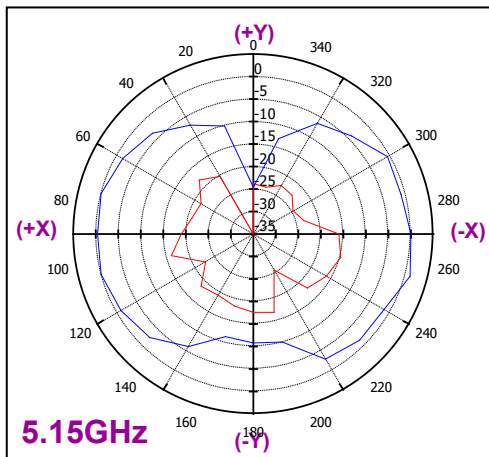
Size (W X H X D) =  
22 X 25 X 1.0 [mm]

# 2. X-Y plane radiation pattern

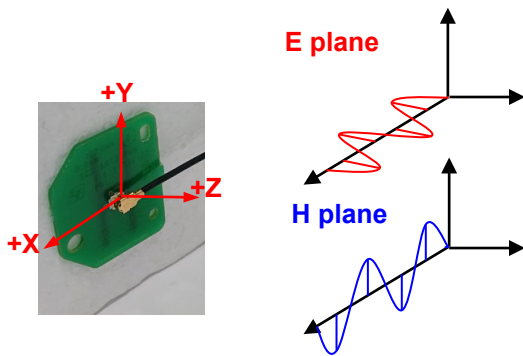


Freq. (GHz)	Peak Gain (dBi)		Ave Gain (dBi)	
	E	H	E	H
5.15	-14.91	1.00	-21.05	-5.76
5.25	-15.94	0.96	-21.32	-5.70
5.35	-16.04	0.72	-21.95	-6.19
5.45	-16.70	0.69	-22.73	-6.47

Antenna Cable (L = 100mm) included

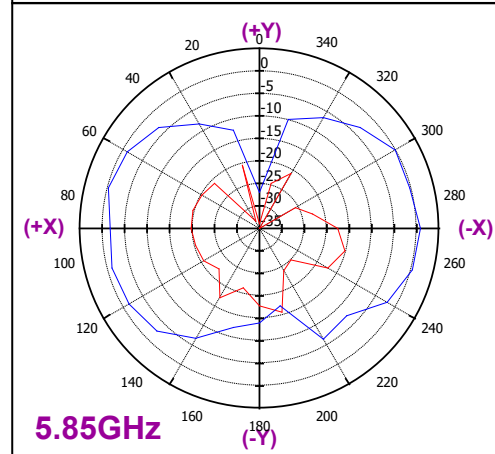
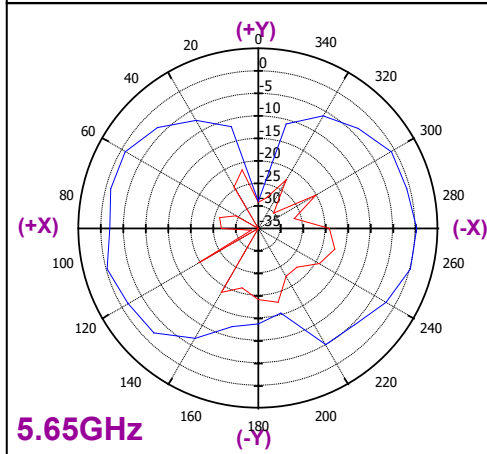
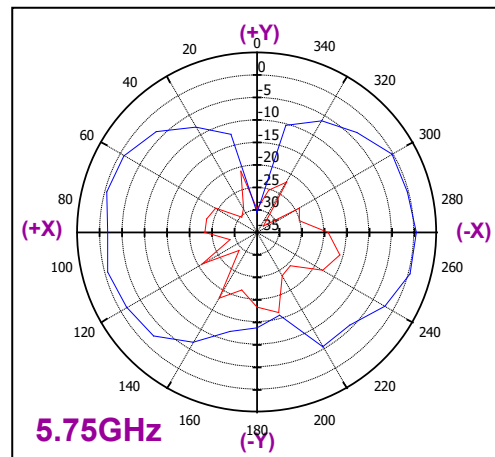
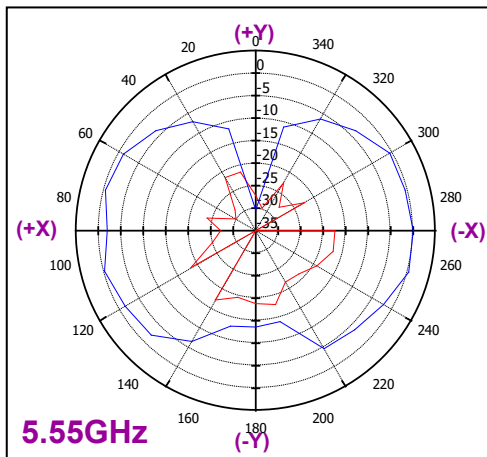


# 2. X-Y plane radiation pattern

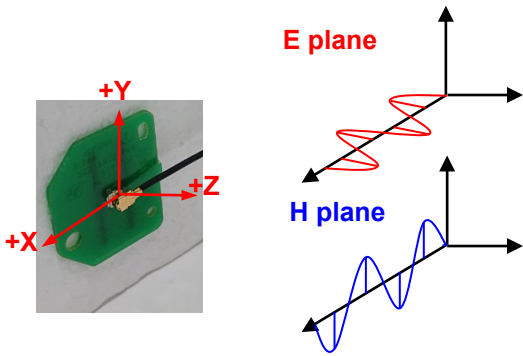


Freq. (GHz)	Peak Gain (dBi)		Ave Gain (dBi)	
	E	H	E	H
5.55	-17.16	0.29	-24.49	-6.84
5.65	-17.45	0.21	-24.99	-6.84
5.75	-16.03	0.48	-23.84	-7.02
5.85	-15.34	0.76	-23.08	-6.88

Antenna Cable (L = 100mm) included

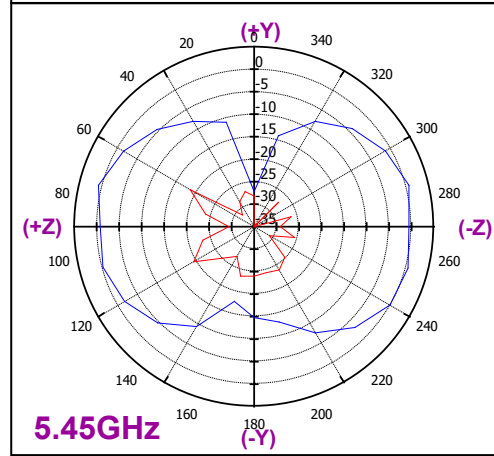
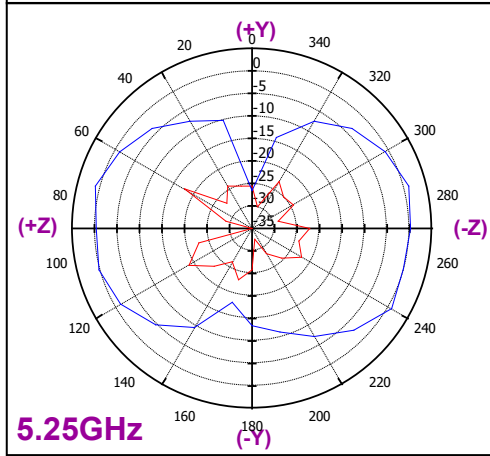
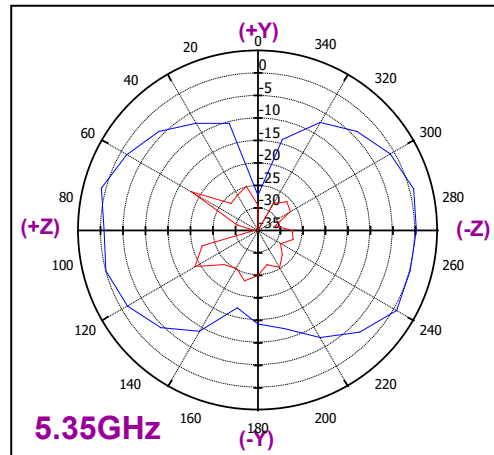
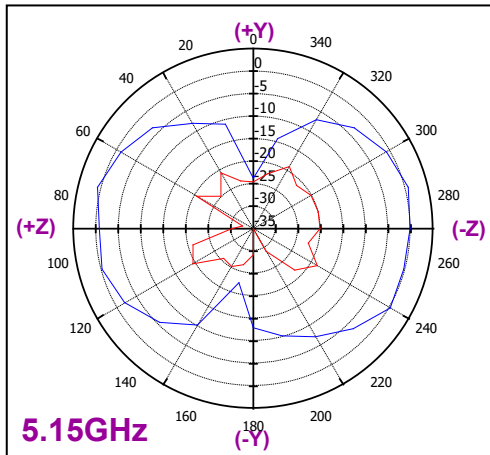


# 2. Y-Z plane radiation pattern

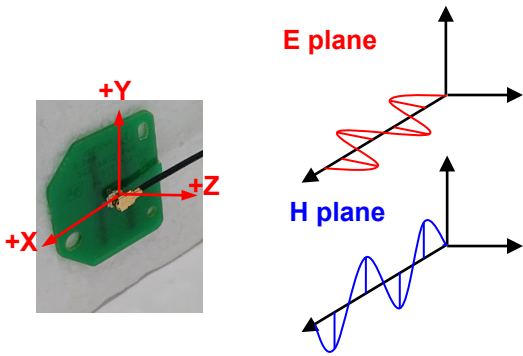


Freq. (GHz)	Peak Gain (dBi)		Ave Gain (dBi)	
	E	H	E	H
5.15	-18.59	0.82	-24.00	-6.86
5.25	-17.60	1.13	-25.99	-6.67
5.35	-17.84	0.95	-26.75	-6.88
5.45	-18.61	0.75	-27.93	-7.17

Antenna Cable (L = 100mm) included

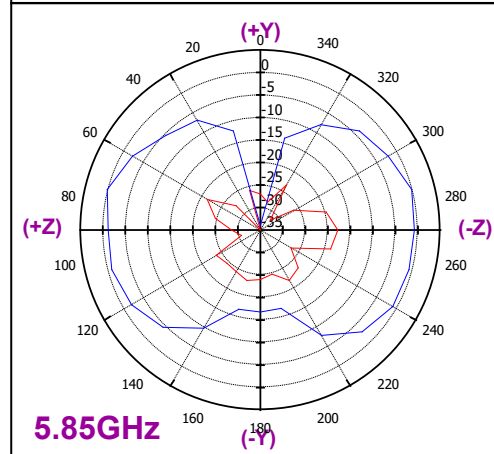
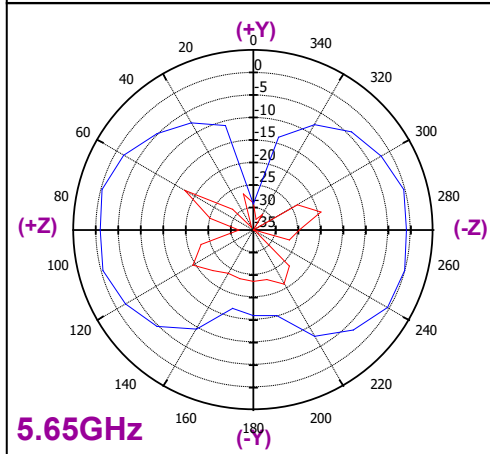
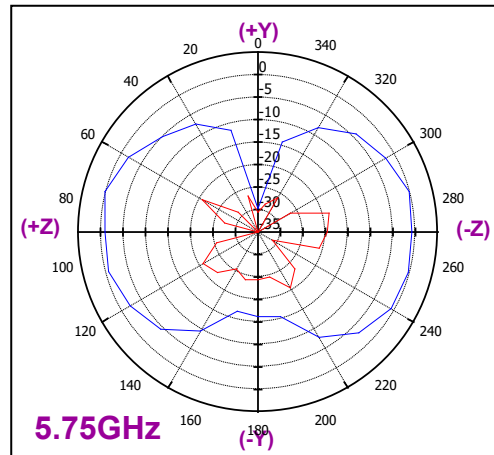
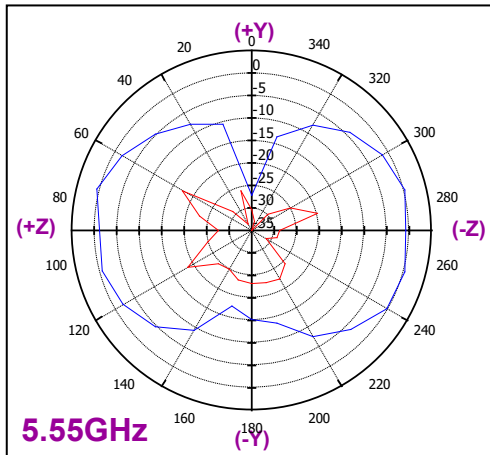


# 2. Y-Z plane radiation pattern

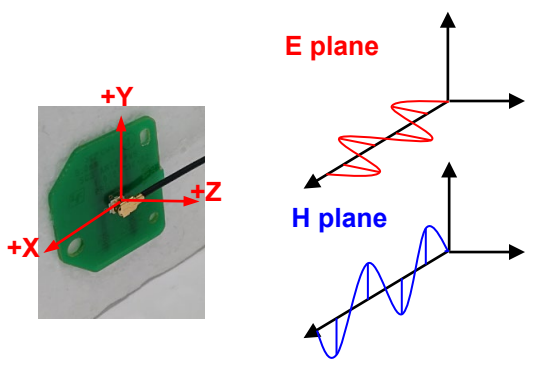


Freq. (GHz)	Peak Gain (dBi)		Ave Gain (dBi)	
	E	H	E	H
5.55	-17.33	0.63	-26.83	-7.32
5.65	-17.49	-0.13	-26.32	-7.63
5.75	-18.62	0.15	-26.68	-7.77
5.85	-17.75	0.13	-25.40	-8.22

Antenna Cable (L = 100mm) included

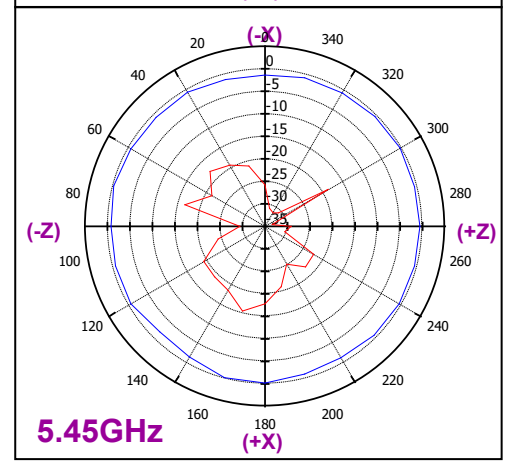
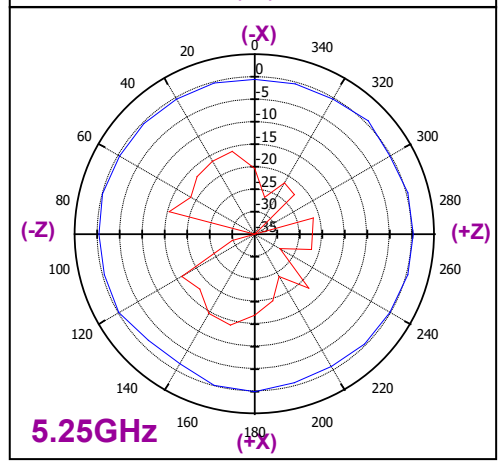
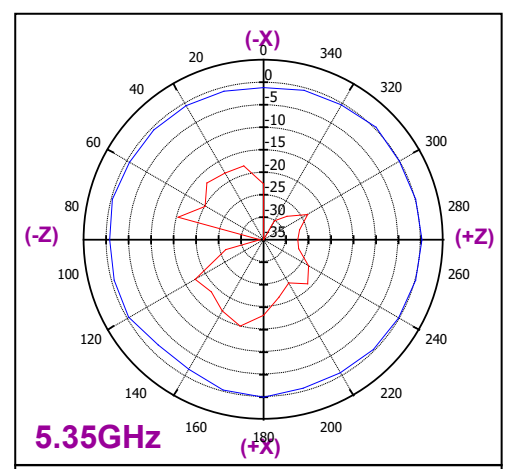
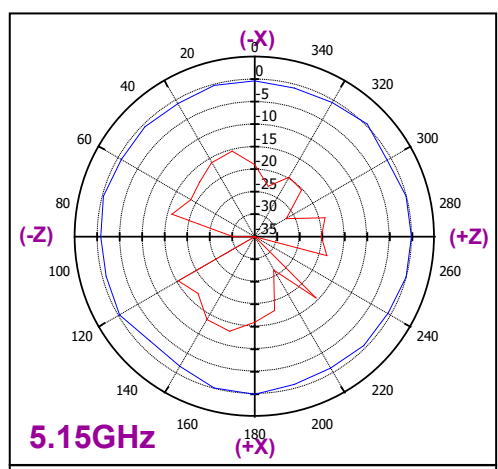


# 2. Z-X plane radiation pattern



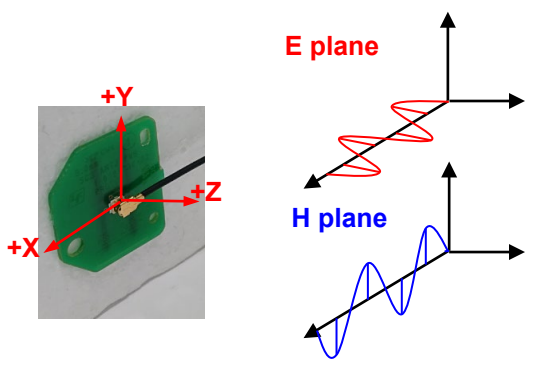
Freq. (GHz)	Peak Gain (dBi)		Ave Gain (dBi)	
	E	H	E	H
5.15	-13.25	0.39	-21.05	-0.66
5.25	-14.19	0.67	-21.81	-0.39
5.35	-15.11	0.26	-22.85	-0.54
5.45	-15.63	-0.27	-23.50	-0.82

Antenna Cable (L = 100mm) included



# 2. Z-X plane radiation pattern

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2022/08/31



Freq. (GHz)	Peak Gain (dBi)		Ave Gain (dBi)	
	E	H	E	H
5.55	-15.10	-0.03	-24.14	-1.02
5.65	-14.43	0.21	-25.78	-0.89
5.75	-14.69	0.48	-22.98	-0.90
5.85	-13.23	0.76	-21.02	-1.05

Antenna Cable (L = 100mm) included

