

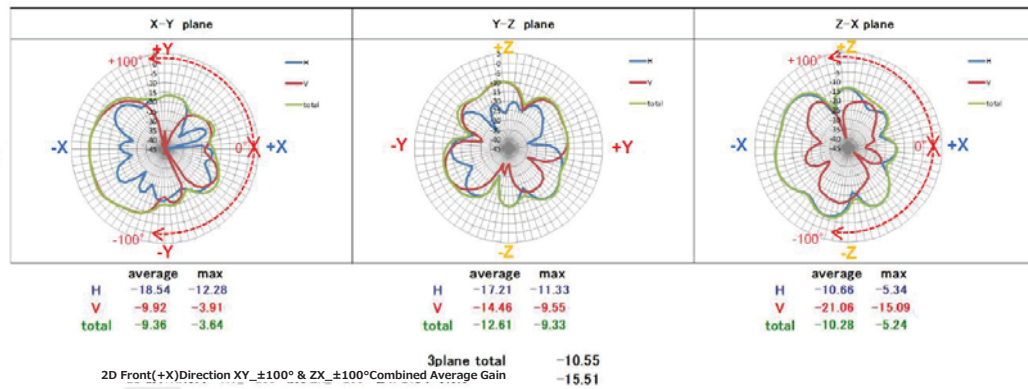
■Antenna Specifications	
Model name	PCB Antenna
Frequency range	WLAN : 2.4 - 2.5 GHz / 5.0 - 5.8 GHz Bluetooth : 2.4 - 2.5 GHz
Antenna Type	Monopole Type PCB Antenna
Connector Type	UFL (internal connector)
Antenna Gain(Peak)	WLAN : -1.40dBi (2.4GHz)/0.81dBi(5GHz) Bluetooth : -1.01dBi
Length of coaxial cable	WLAN : 75mm (White) Bluetooth : 115mm (Black)
Coaxial Cable Loss	WLAN : 0.32dB (2.4GHz)/0.57dB (5GHz) Bluetooth : 0.58dB
(Note)	Value of each antenna gain also includes coaxial cable loss.

	Bluetooth	WLAN	WLAN
Operating frequency	2402-2480MHz	2412-2462MHz IEEE802.11.b/g/n	20MHz : 149(5745MHz) 40MHz : 151(5755MHz) 80MHz : 155(5775MHz) IEEE802.11.a/n/ac

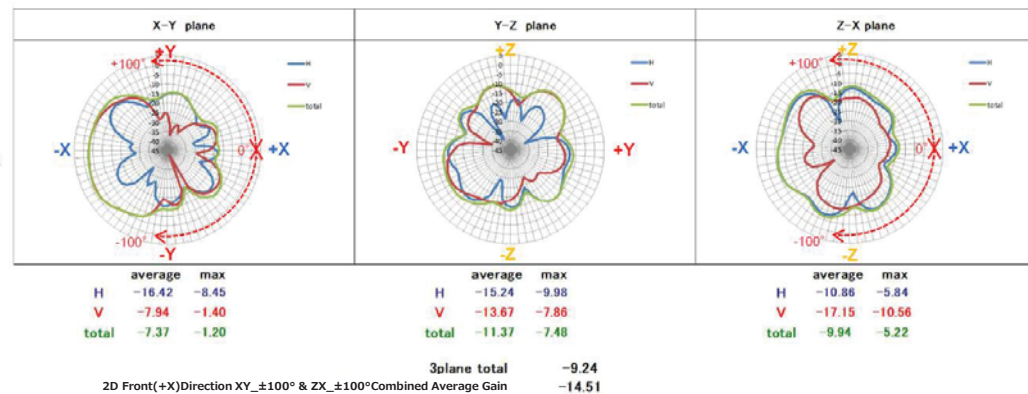
• Calibrated measuring instrument	Network Analyzer: E5071C (Keysight)
• Test day	17th - 20th December 2021
• Name of the examiner	MinebeaMitsumi Inc. Mr. Mamoru Matsuo
• Name of commercial test software	We do not use commercial test software.

■ Antenna gain

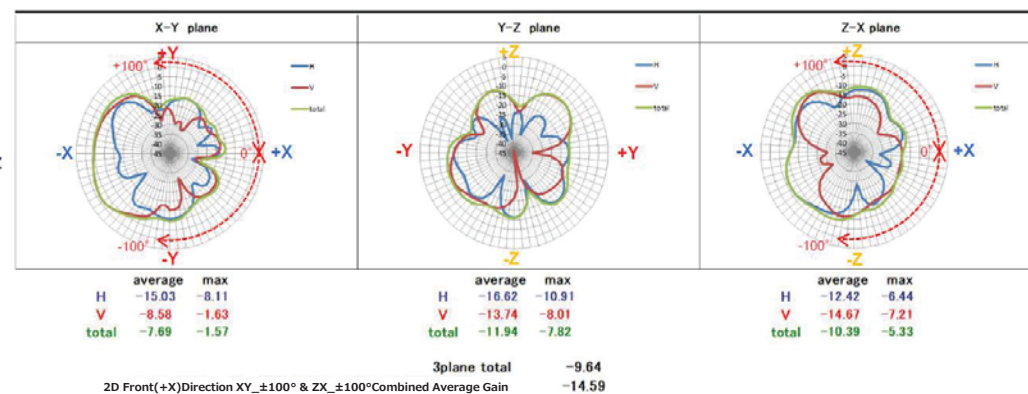
Wi-Fi
2.40GHz



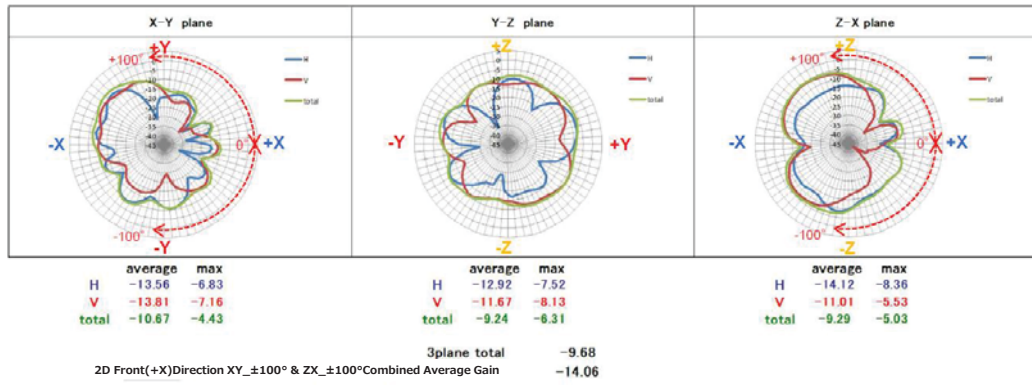
Wi-Fi
2.45GHz



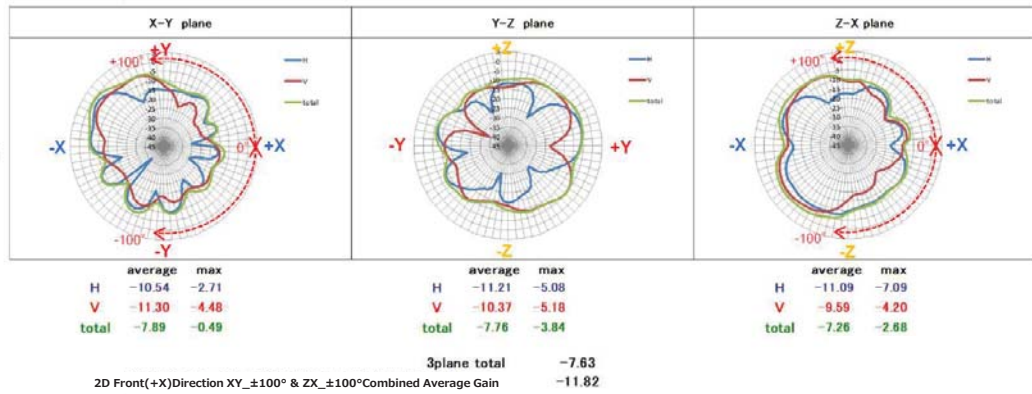
Wi-Fi
2.50GHz



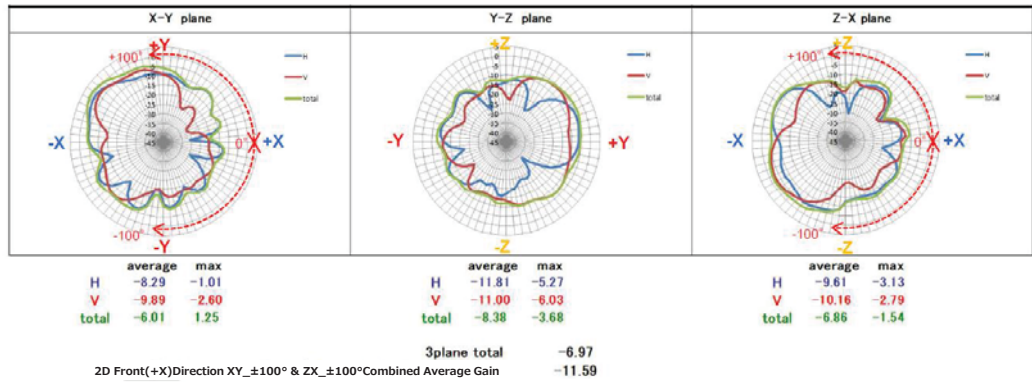
BT
2.40GHz



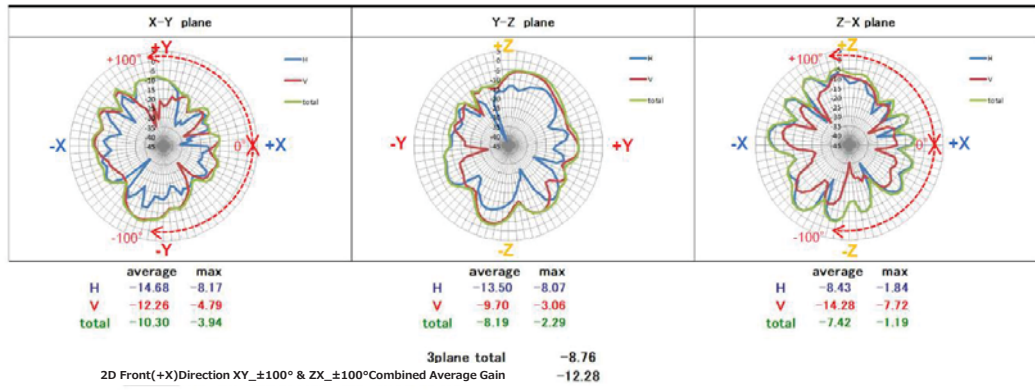
BT
2.45GHz



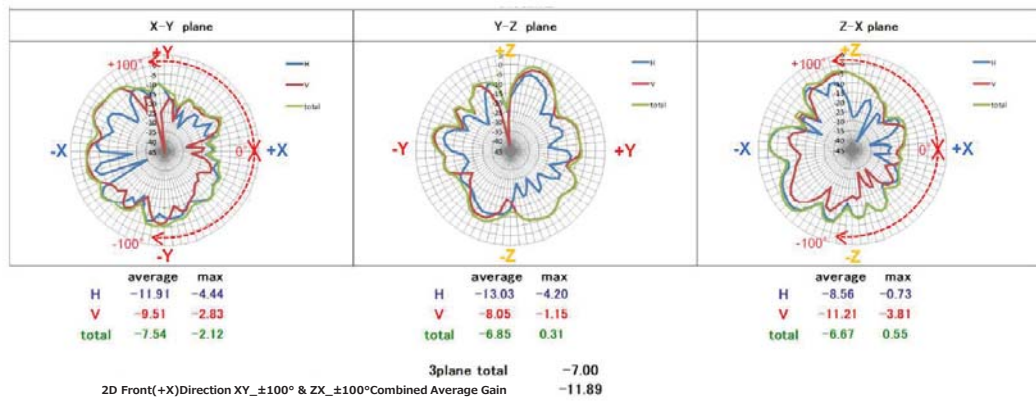
BT
2.50GHz



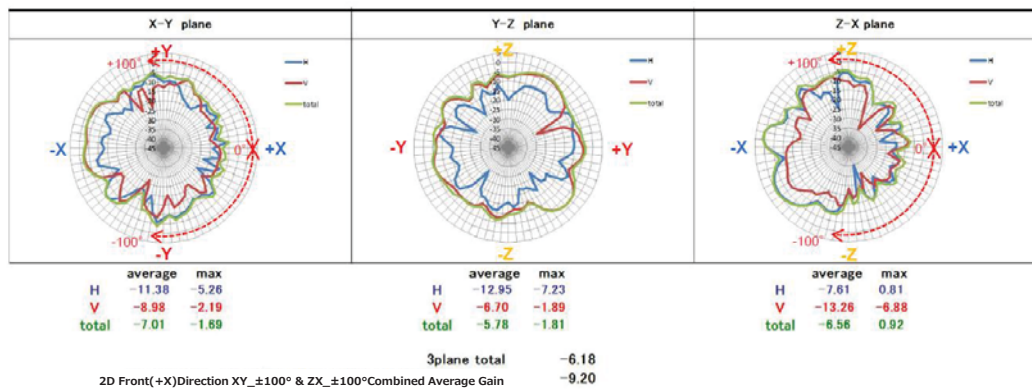
Wi-Fi
5.0GHz



Wi-Fi
5.4GHz



Wi-Fi
5.8GHz



Type	ANT	Peak Gain[dBi]					
		2.4 GH z	2.45 GH z	2.5 GH z	5.0 GH z	5.4 GH z	5.8 GH z
All directions	Wi-Fi	-3.91	-1.40	-1.63	-1.84	-0.73	0.81
	BT	-5.53	-2.71	-1.01	---	---	---

