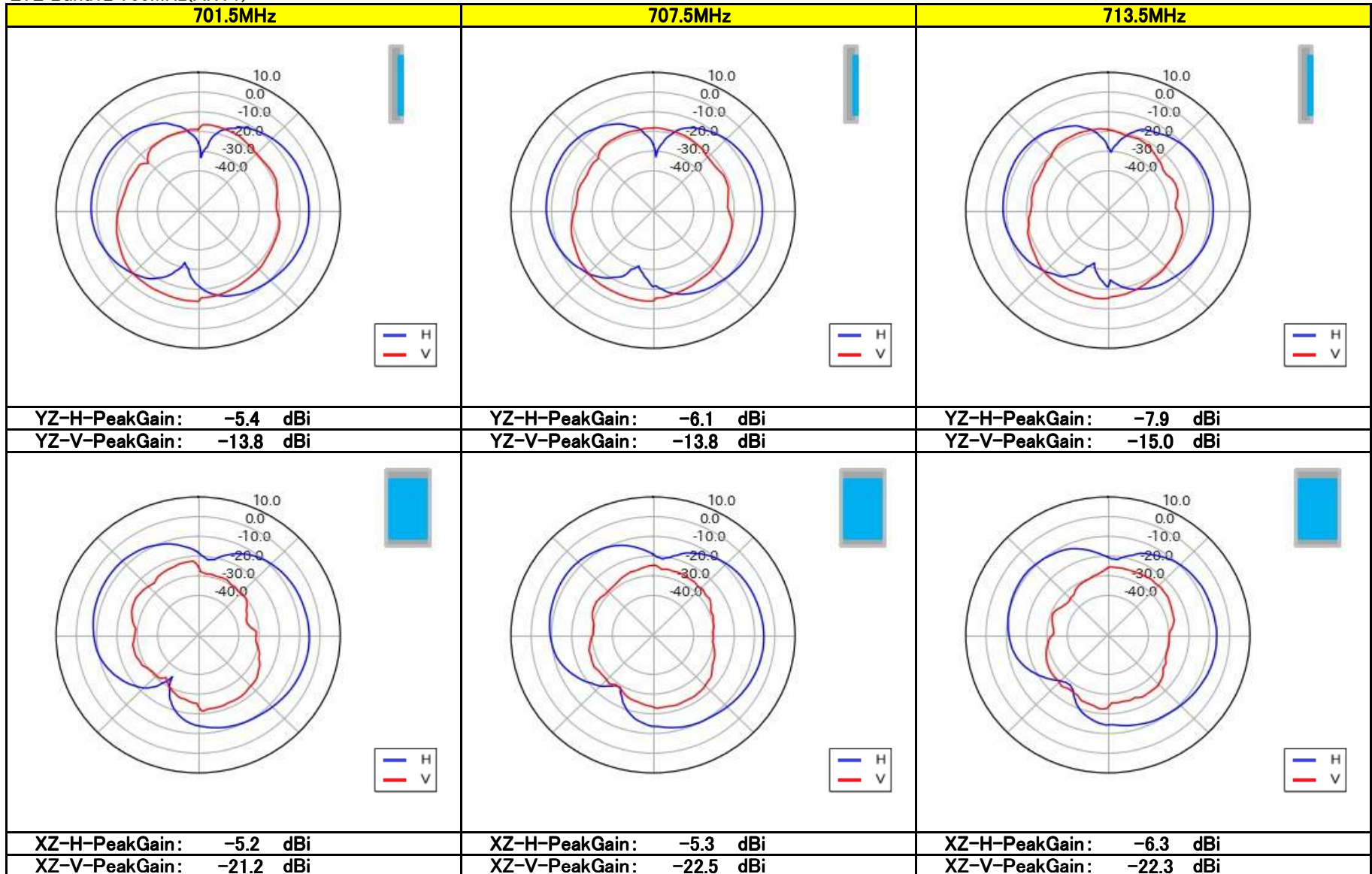


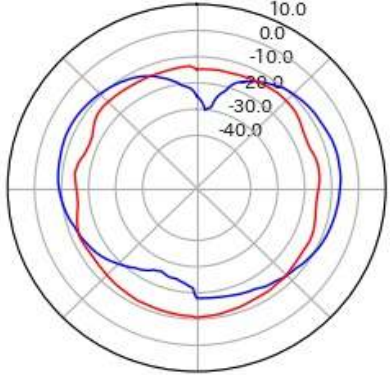
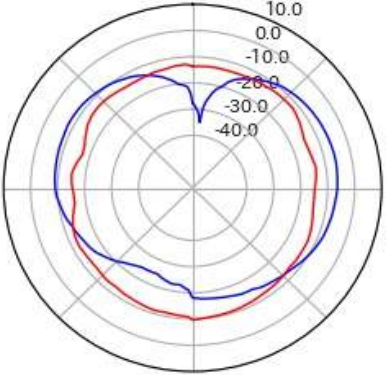
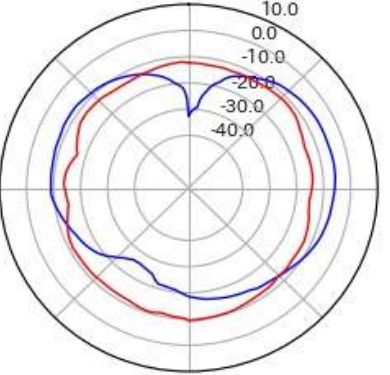
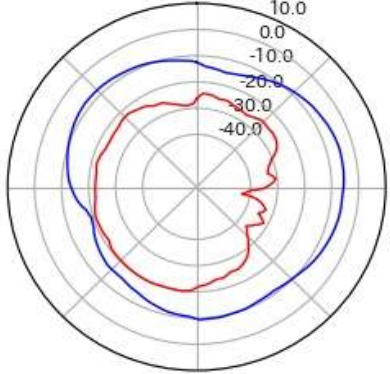
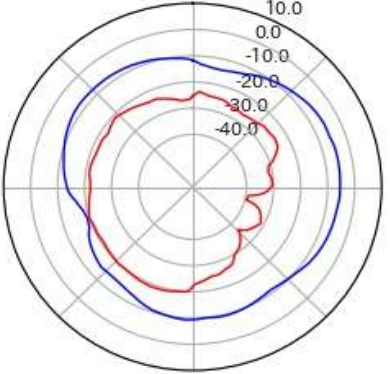
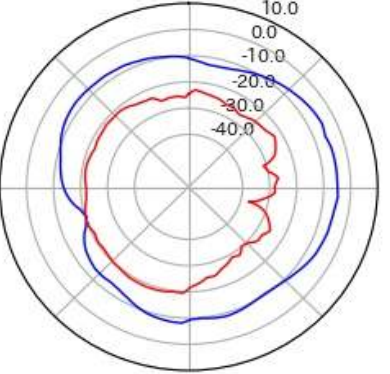
RADIATION PATTERN

LTE Band12 700MHz(ANT1)



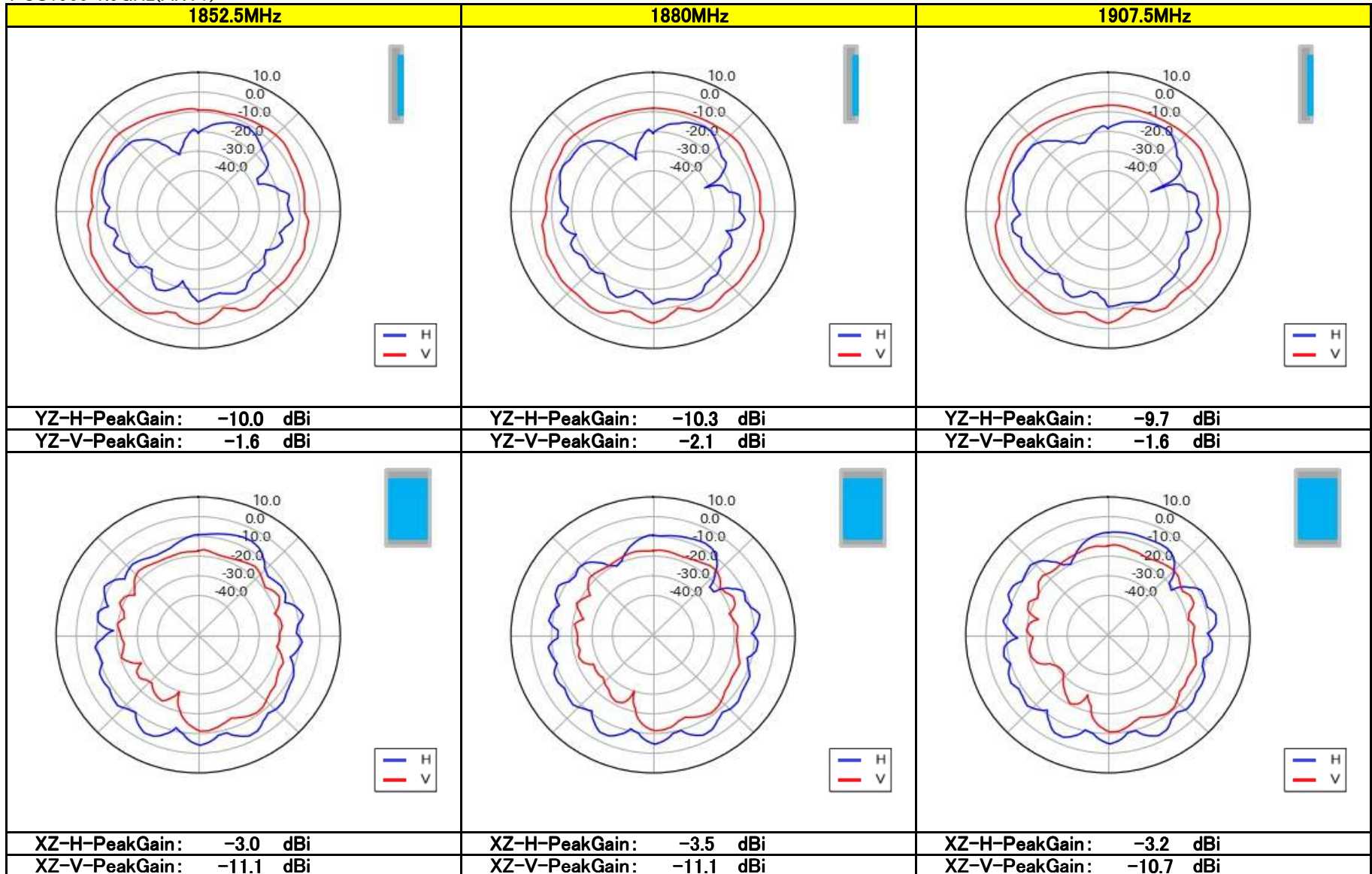
RADIATION PATTERN

GSM850/W-CDMA Band5/LTE Band5 800MHz(ANT1)

826.5MHz	836.5MHz	846.5MHz
 <p data-bbox="741 663 824 719">— H — V</p>	 <p data-bbox="1346 663 1429 719">— H — V</p>	 <p data-bbox="1951 663 2033 719">— H — V</p>
YZ-H-PeakGain: -6.4 dBi	YZ-H-PeakGain: -6.0 dBi	YZ-H-PeakGain: -5.4 dBi
YZ-V-PeakGain: -10.5 dBi	YZ-V-PeakGain: -9.7 dBi	YZ-V-PeakGain: -9.3 dBi
 <p data-bbox="741 1230 824 1286">— H — V</p>	 <p data-bbox="1346 1230 1429 1286">— H — V</p>	 <p data-bbox="1951 1230 2033 1286">— H — V</p>
XZ-H-PeakGain: -5.1 dBi	XZ-H-PeakGain: -5.2 dBi	XZ-H-PeakGain: -4.6 dBi
XZ-V-PeakGain: -19.7 dBi	XZ-V-PeakGain: -19.0 dBi	XZ-V-PeakGain: -18.8 dBi

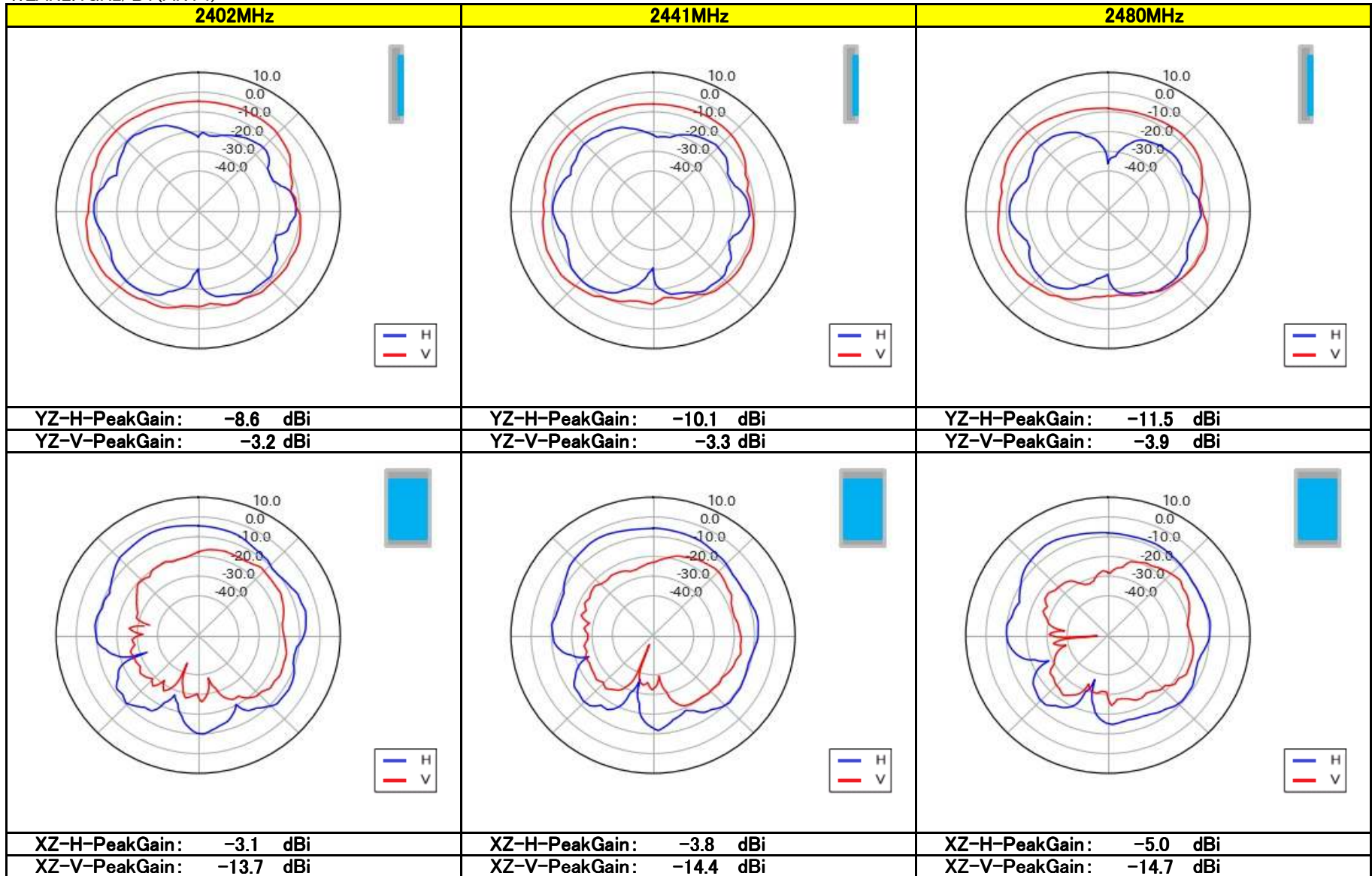
RADIATION PATTERN

PCS1900 1.9GHz(ANT1)



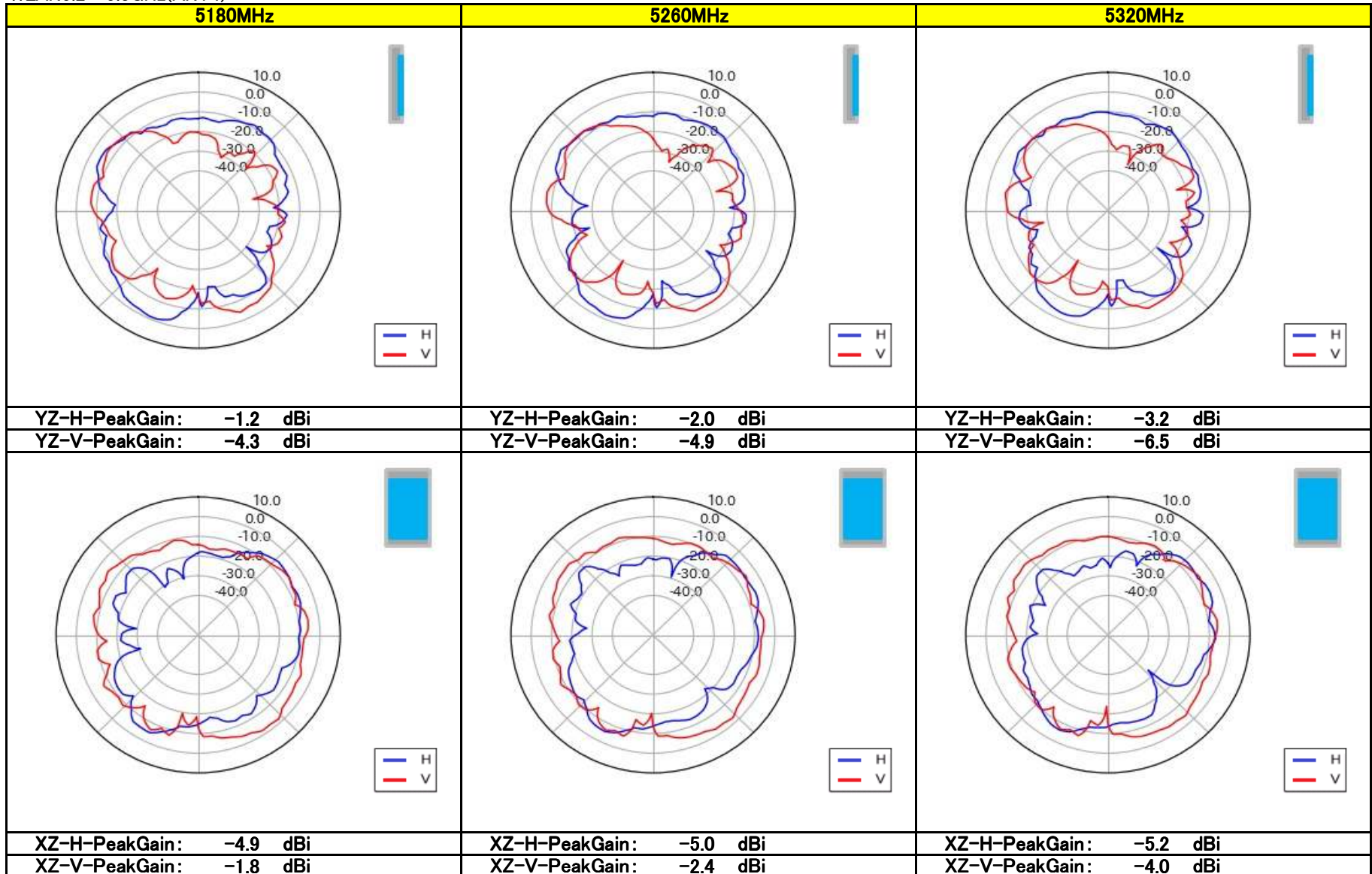
RADIATION PATTERN

WLAN2.4GHz/BT(ANT4)



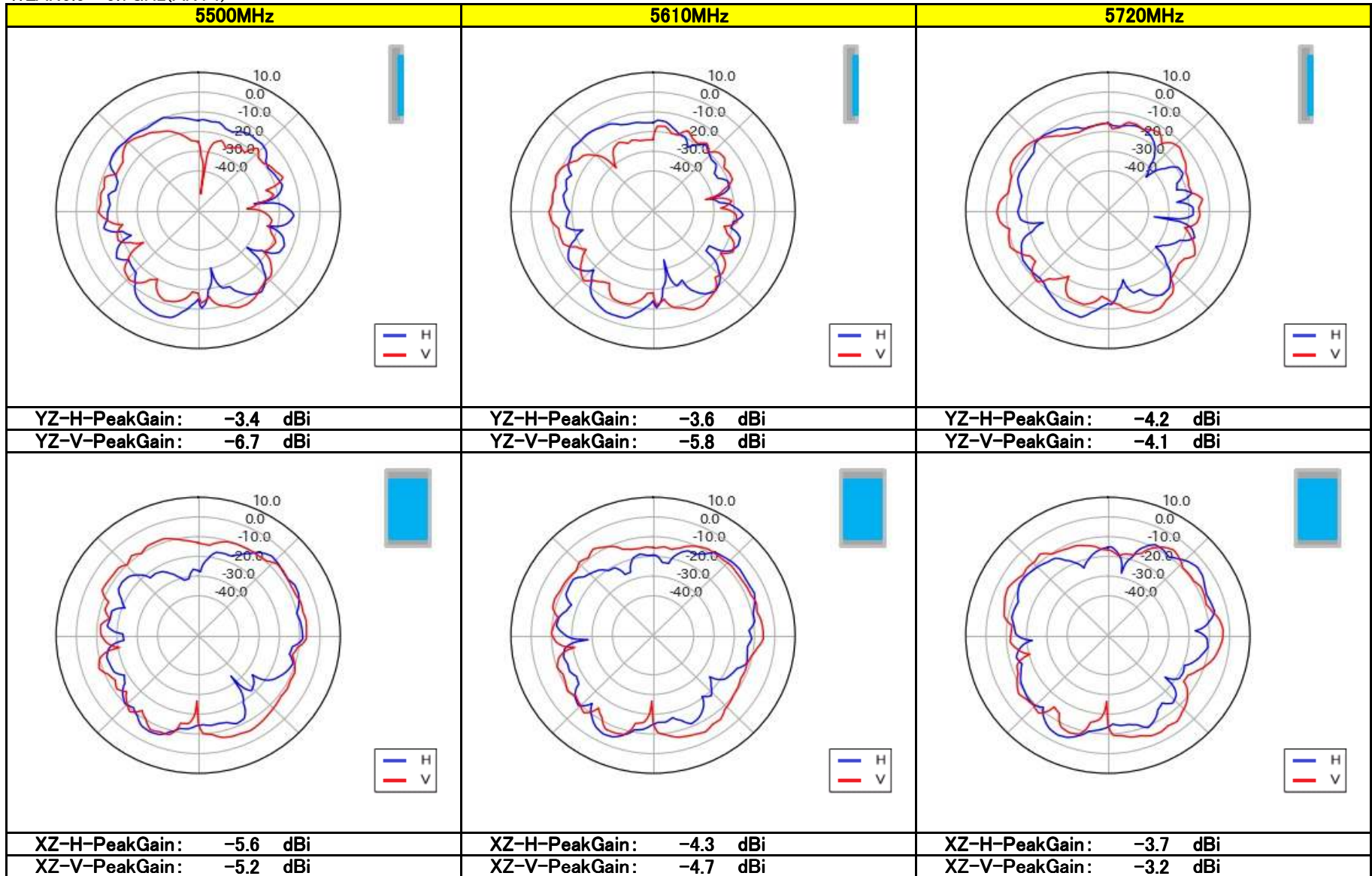
RADIATION PATTERN

WLAN5.2~5.3GHz(ANT4)

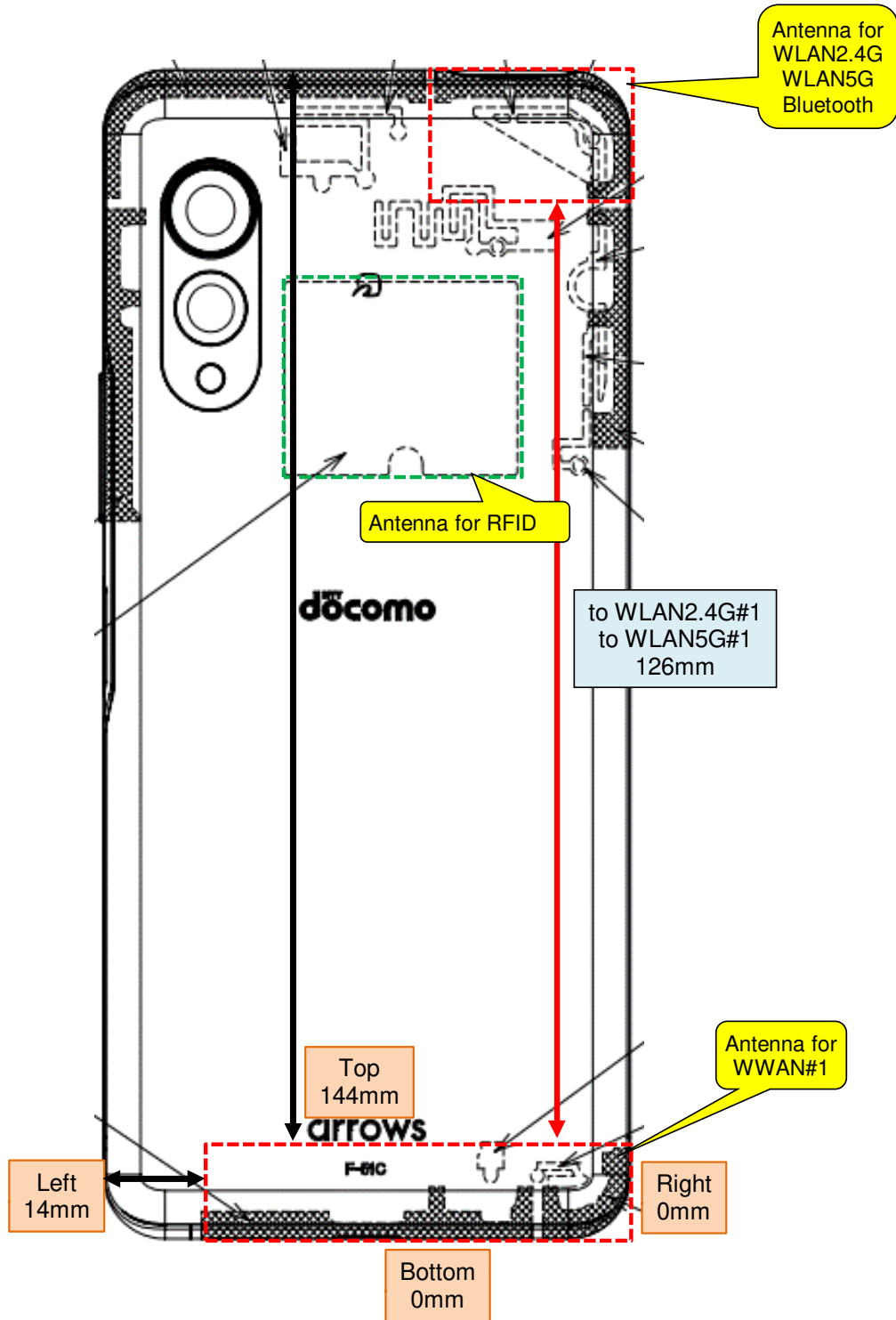


RADIATION PATTERN

WLAN5.5~5.7GHz(ANT4)



Back Side



Distance	WWAN#1	WLAN2.4G#1 WLAN5G#1 Bluetooth
To Top	144	0
To Right	0	0
To Left	14	46
To Bottom	0	138
To WLAN2.4G#1 To WLAN5G#1	126	-

SWIMMY antenna gain

<WLAN>

1. 2.4G antenna -3.1 dBi
2. 5G antenna -1.2 dBi

<Bluetooth>

1. 2.4G antenna -3.1 dBi

<Cellular>

1. GSM850 -4.6 dBi
2. GSM900 -5.8 dBi
3. DCS1800 -1.0 dBi
4. PCS1900 -1.6 dBi
5. WCDMA I -0.9 dBi
6. WCDMA V -4.6 dBi
7. LTE 1 -0.9 dBi
8. LTE 3 -1.0 dBi
9. LTE 5 -4.6 dBi
10. LTE 12 -5.2 dBi
11. LTE 19 -4.6 dBi
12. LTE 21 -1.8 dBi
13. LTE 39 -1.6 dBi
14. LTE 42 -5.4 dBi