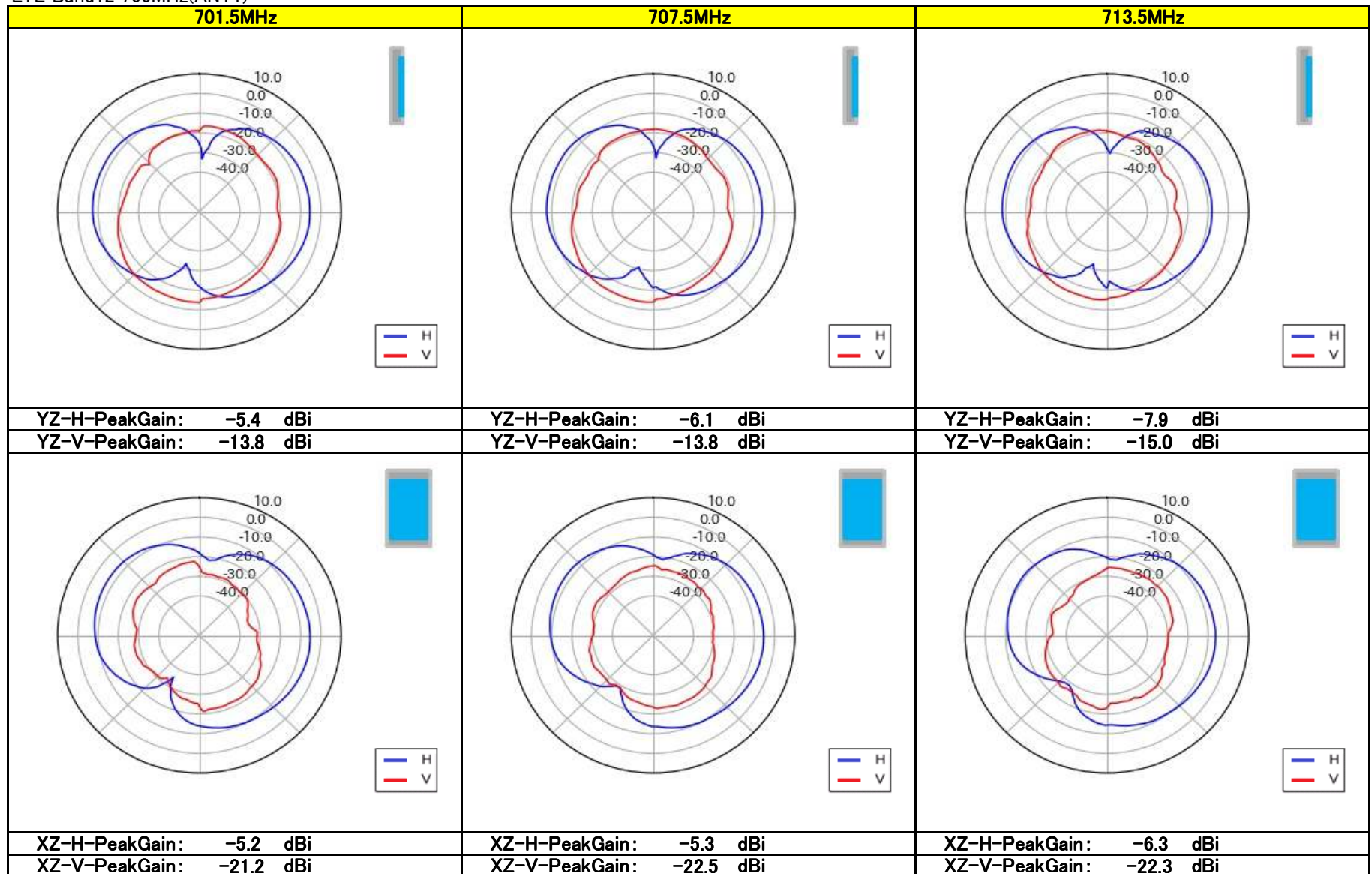


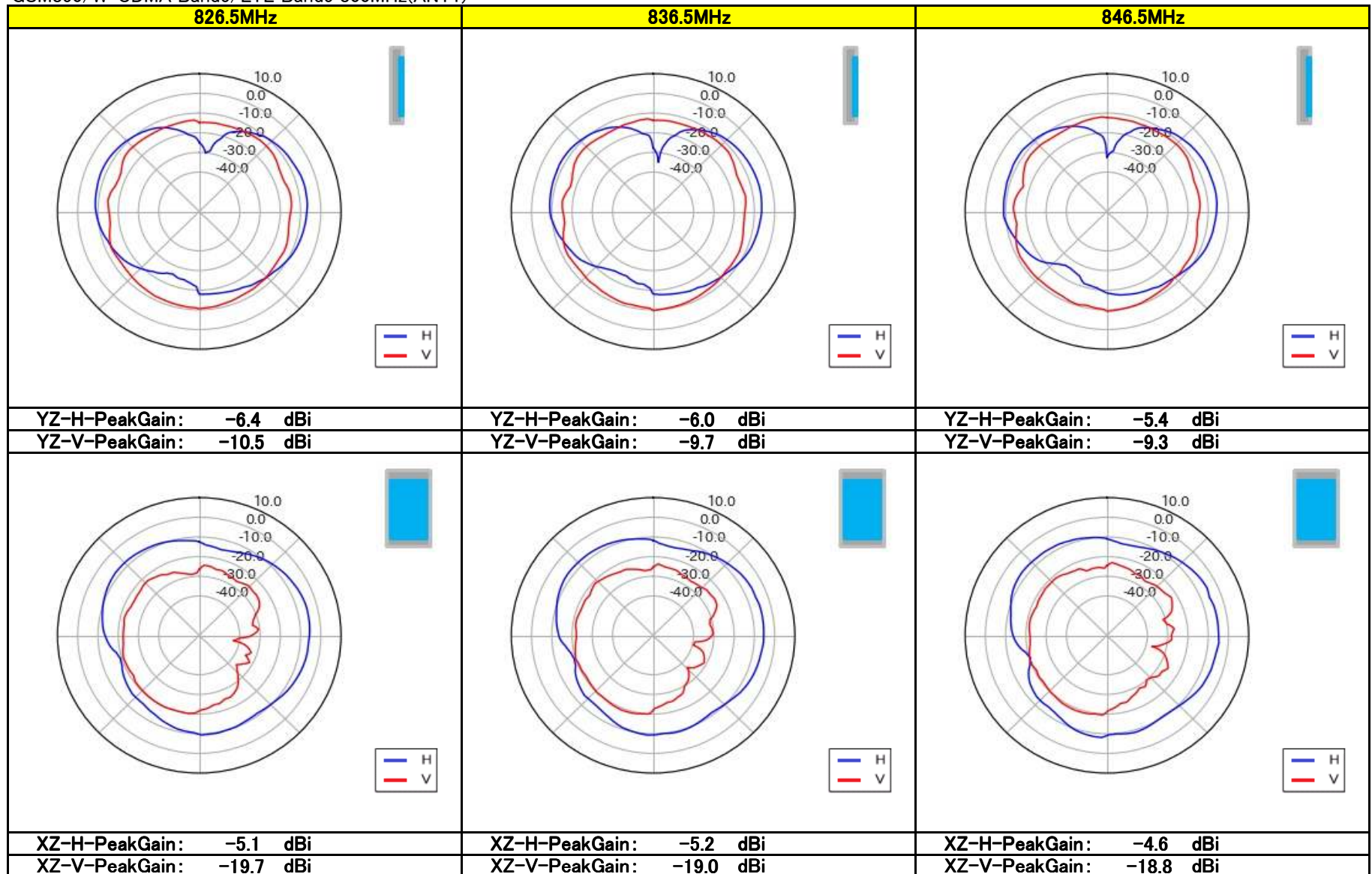
RADIATION PATTERN

LTE Band12 700MHz(ANT1)



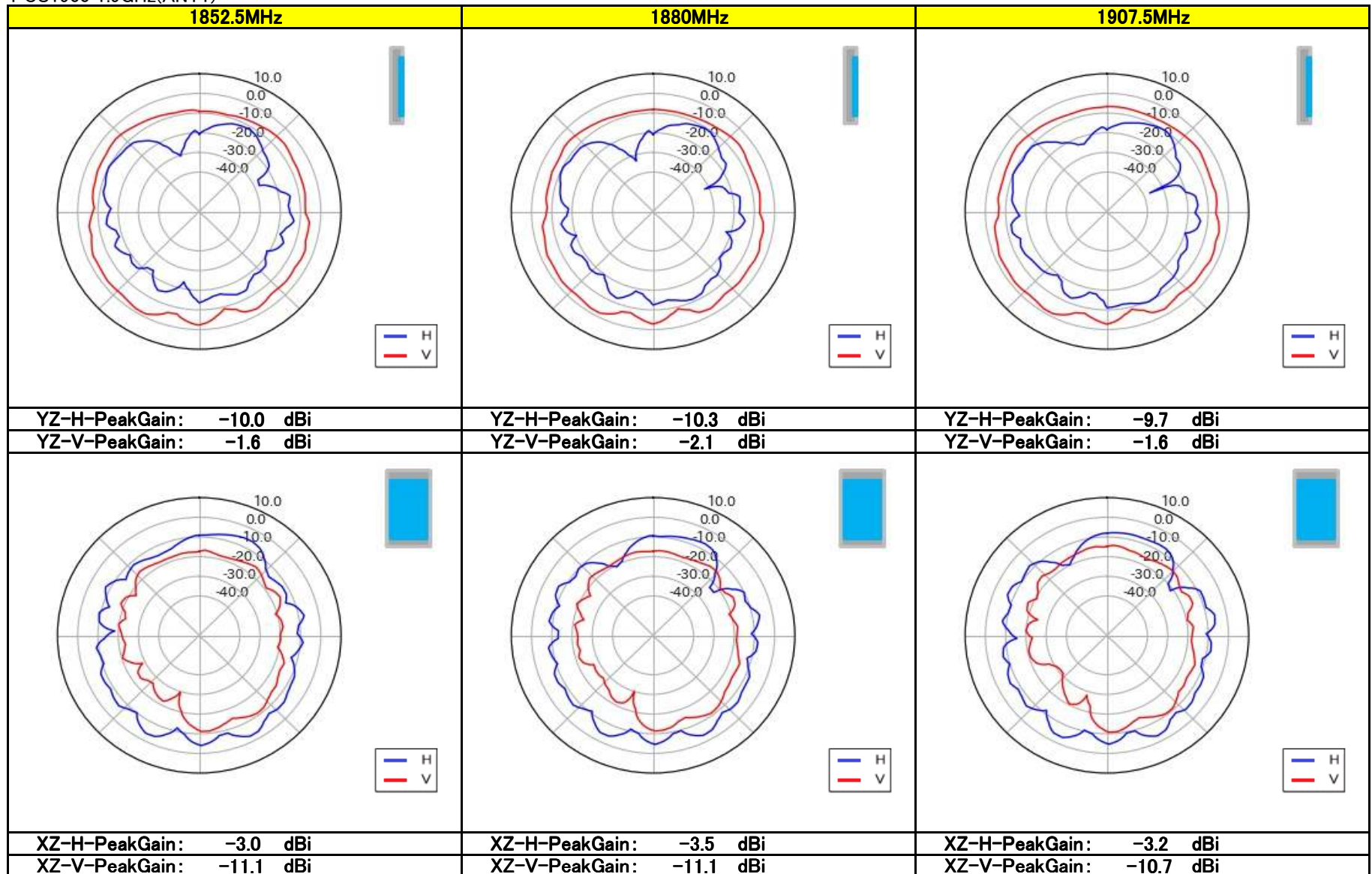
RADIATION PATTERN

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



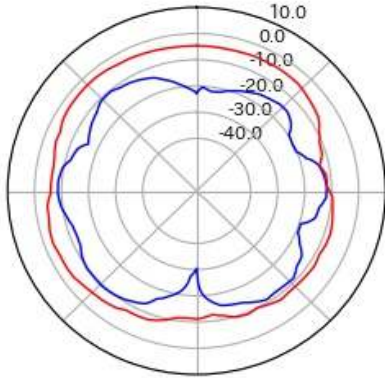
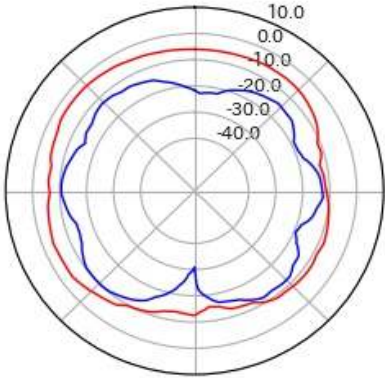
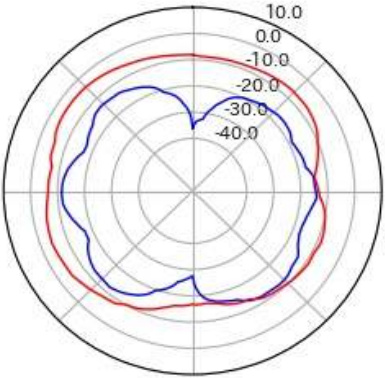
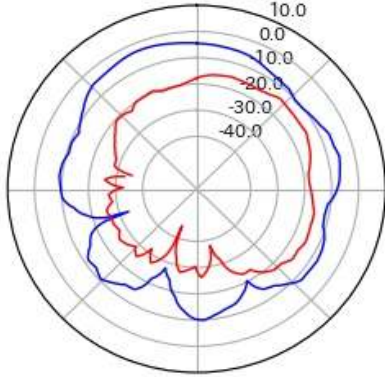
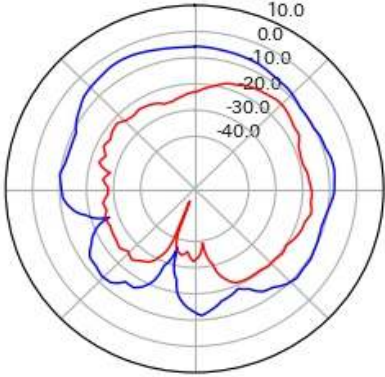
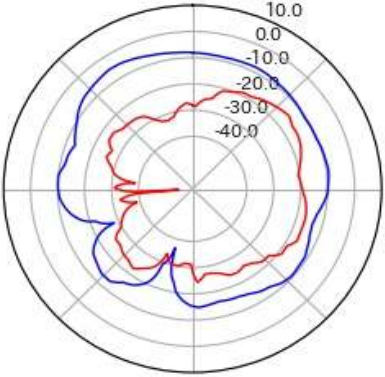
RADIATION PATTERN

PCS1900 1.9GHz(ANT1)



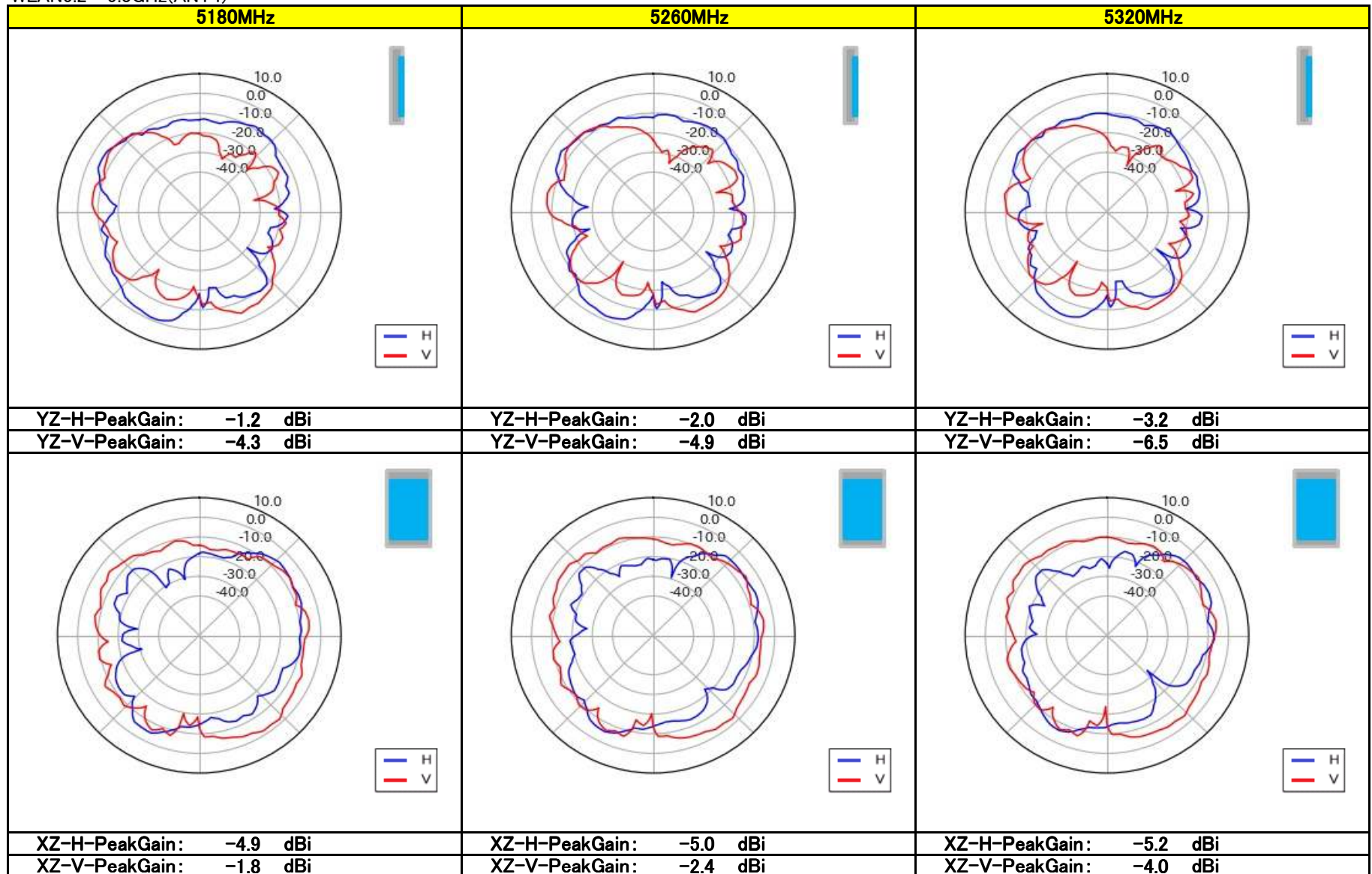
RADIATION PATTERN

WLAN2.4GHz/BT(ANT4)

2402MHz	2441MHz	2480MHz
		
YZ-H-PeakGain: -8.6 dBi	YZ-H-PeakGain: -10.1 dBi	YZ-H-PeakGain: -11.5 dBi
YZ-V-PeakGain: -3.2 dBi	YZ-V-PeakGain: -3.3 dBi	YZ-V-PeakGain: -3.9 dBi
		
XZ-H-PeakGain: -3.1 dBi	XZ-H-PeakGain: -3.8 dBi	XZ-H-PeakGain: -5.0 dBi
XZ-V-PeakGain: -13.7 dBi	XZ-V-PeakGain: -14.4 dBi	XZ-V-PeakGain: -14.7 dBi

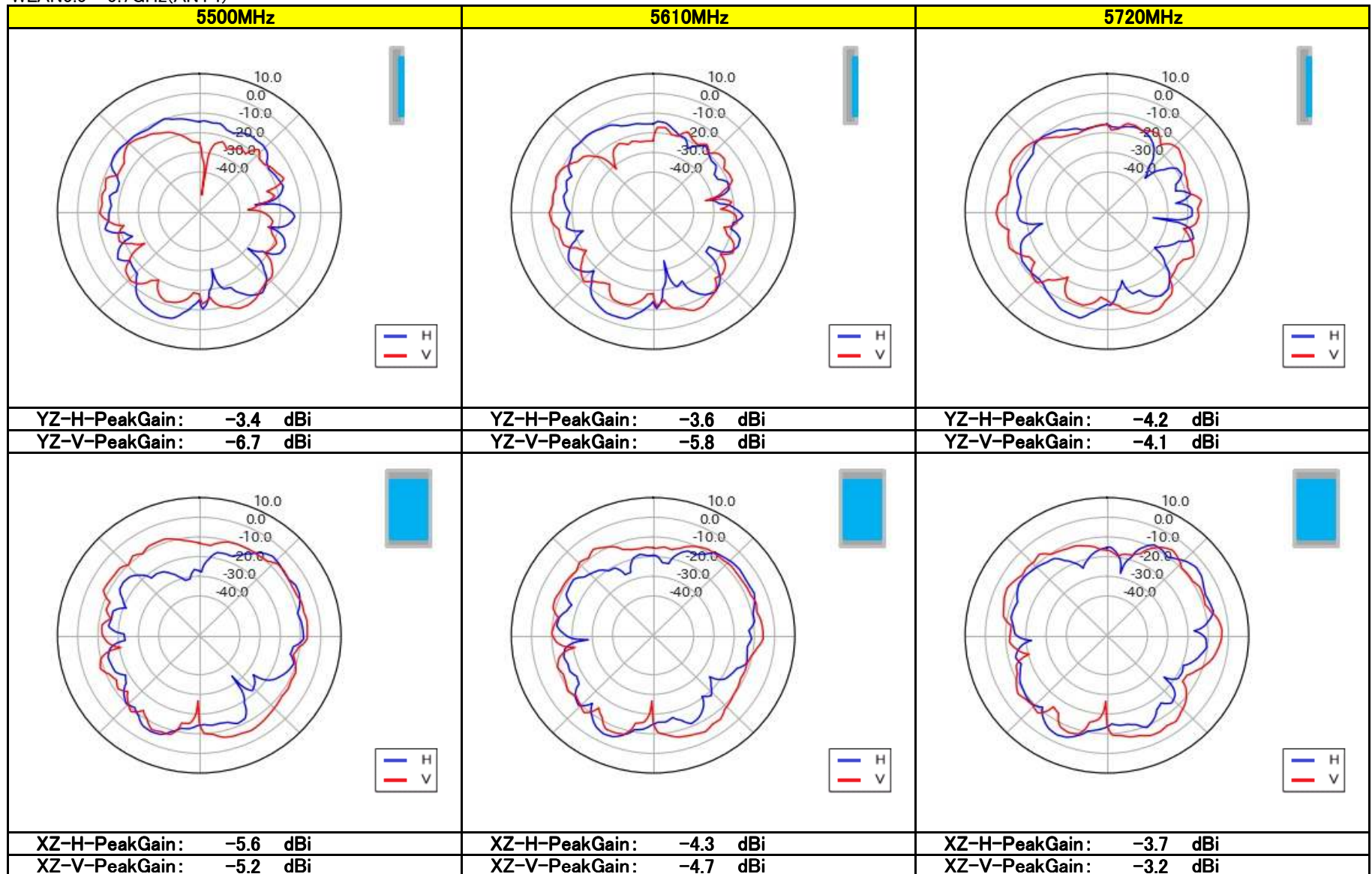
RADIATION PATTERN

WLAN5.2~5.3GHz(ANT4)

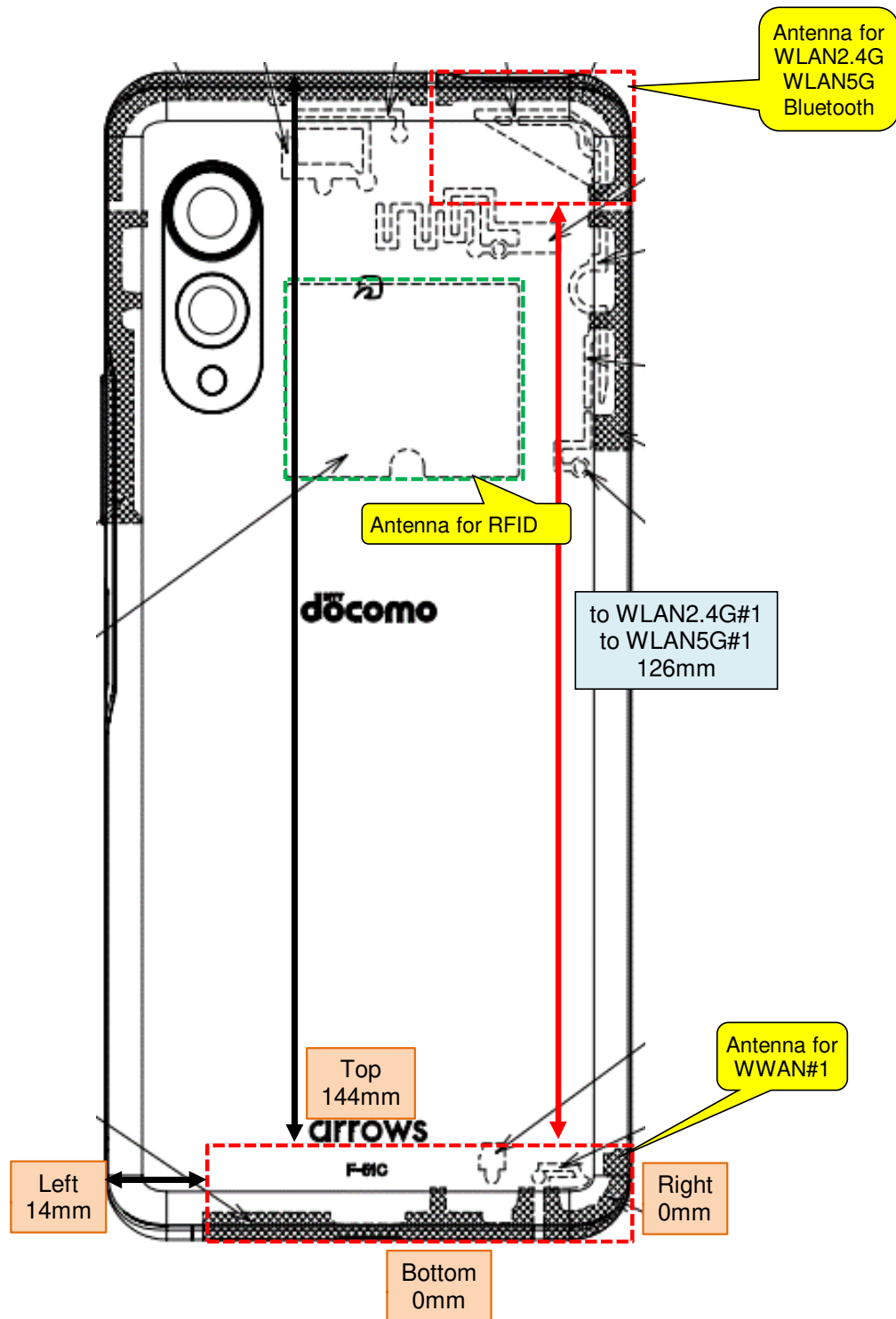


RADIATION PATTERN

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