

Feature

- ※ High gain
- ※ Omani-directional
- ※ Wide bandwidth

Application

※ GSM850/900/DCS/PCS/WCDMA B1/B2/B4/B5/B8

LTE B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28/B38/B41/B66/B42

NR Mode N1/N3/N5/N7/N8/N12/N20/N28/N38/N41/N66/N77/N78

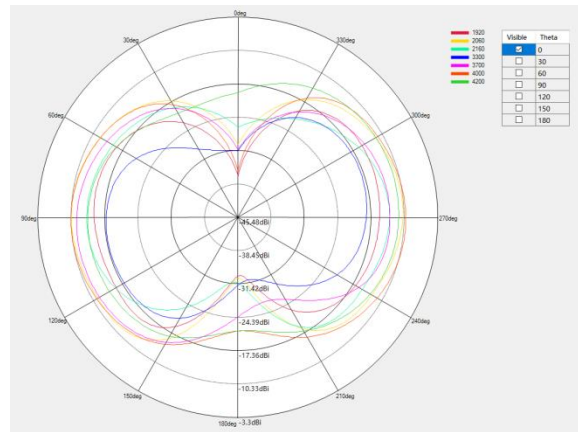
Name and address of the antenna manufacturer	Model number of the antenna
Zhejiang Haitong Communication Electronics Co., Ltd. No. 1607, Binhai 1st Road, Binhai Park, Wenzhou Economic & Technological Development Zone, Zhejiang Province, P.R. China	LK7-ANT0 LK7-ANT1 LK7-ANT2 LK7-ANT3 LK7-ANT4 LK7-ANT5 LK7-ANT6 LK7-ANT12 LK7-ANT13 LK7-NFC

Transmitter Frequency		GSM 850/WCDMA B5/LTE B5 NR n5: 824 – 849 MHz
		GSM 900/WCDMA B8/LTE B8 NR n8: 880 – 915 MHz
		DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: 1710 – 1785 MHz
		PCS/WCDMA B2/LTE B2:1850-1910MHz
		WCDMA B1/LTE B1 NR n1: 1920 – 1980MHz
		LTE B7 NR n7:2496-2565MHz
		LTE B38/B41 NR n38/n41:2565-2645MHz
		LTE B20 NR n20:832-862MHz
		LTE B12/B13/B17/B28 NR n12/n28:710-755MHz
		LTEB42 NR n77/n78:3300-4200MHz
		NFC: 13.56MHz
Receiver Frequency		GSM 850/WCDMA B5/LTE B5 NR n5: 869 – 894 MHz
		GSM 900/WCDMA B8/LTE B8 NR n8: 925 – 960 MHz
		DCS/LTE B3 NR n3: 1805 – 1880 MHz
		WCDMA 4/LTE B4/B66 NR n4/n66: 2110-2155 MHz
		PCS/WCDMA B2/LTE B2:1930-1990MHz
		WCDMA B1/LTE B1 NR n1: 2110 – 2170MHz
		LTE B7 NR n7:2620-2690MHz
		LTE B38/41 NR n38/n41:2565-2645MHz
		LTE B20 NR n20:791-821MHz
		LTE B12/B13/B17/B28 NR n12/n28:758-803MHz
		LTEB42 NR n77/n78:3300-4200MHz
		NFC: 13.56MHz
Antenna Gain	ANT0	B42 NR n77/n78: -6.33dBi
		LTE B1: -6.85dBi
		LTE B3/B4: -7.32dBi
	ANT1	GSM 850/WCDMA B5/LTE B5/B20/NR n5/N20:-7.99 dBi

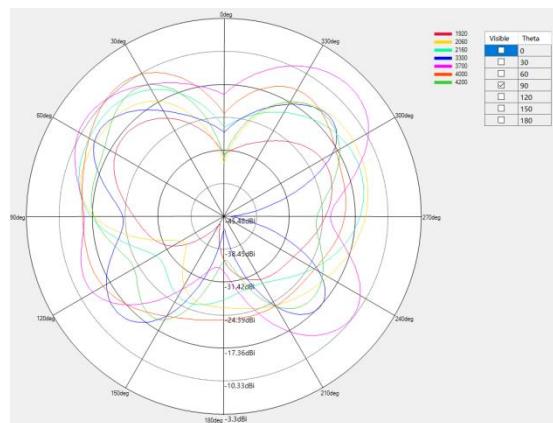
		GSM 900/WCDMA B8/LTE B8/NR n8: -7.12 dBi
		LTE B12/B13/B17/B28/NR n12/n28:-7.64 dBi
		LTE B7/B38/B41 NR n7/ n38/n41:-8.05 dBi
	ANT2	PCS1900/WB1/WB2/B1/B2/NR n1:-3.45 dBi
		DCS1800/WCDMA B4/ LTE B3/B4/B66 NR n3/N66 :-3.52 dBi
		LTE B7/B38/B41 /NR n7/n38/n41 :-4.09 dBi
	ANT3	GSM 850/WCDMA B5/LTE B5/B20/NR n5/N20: -3.18 dBi
		GSM 900/WCDMA B8/LTE B8/NR n8: -4.58 dBi
		LTE B12/B17/B28/NR n12/n28: -4.91 dBi
		LTE B13 :-2.72 dBi
		LTEB42 /NR n77/n78:-3.02 dBi
	ANT4	LTE B1/B2 NR n1:-3.25 dBi
		LTE B3/B4/B66 NR n3/n66:-1.32 dBi
		LTE B7/B38/B41 NR n7/n38/n41:-2.43 dBi
	ANT5	WCDMA B1/LTE B1/NR n1:-1.89 dBi
		DCS 1800/WCDMA B3/NR n3:-5.41 dBi
		PCS 1900/WCDMA B2/B4 LTE B2/B4/B66 NR n66:-2.91 dBi
		LTE B7/B38/B41 NR n7/n38/n41:-3.08 dBi
		LTEB42 /NR n77/n78:-5.31 dBi
	ANT6	LTEB42 /NR n77/n78:-2.74 dBi
		WIFI 5G :1.048 dBi
	ANT12	GPS(L1):-3.53 dBi
		BT/WIFI2.4:-2.45 dBi
	ANT13	BT/WIFI2.4:-1.51 dBi

※ Antenna Gain

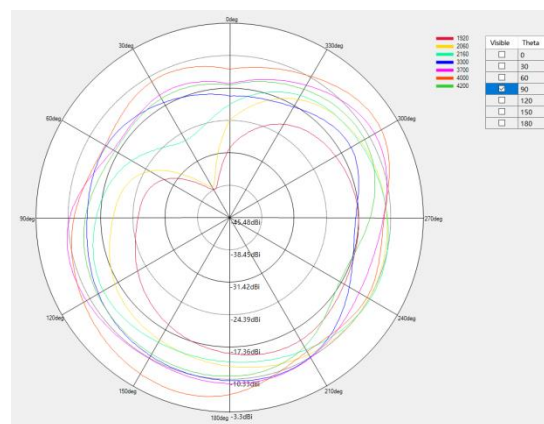
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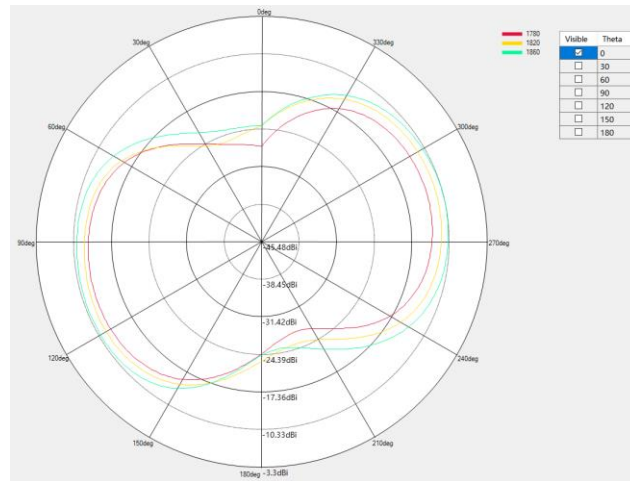
LTEB1/B4 NR n77/78 $\Phi=0^\circ$



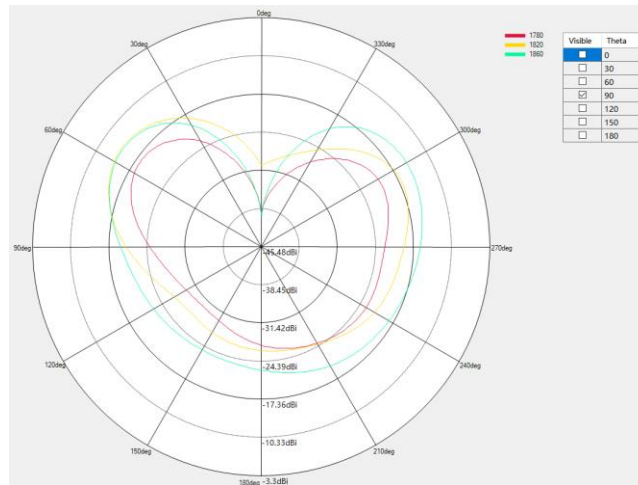
LTEB1/B4 NR n77/78 $\Phi=90^\circ$



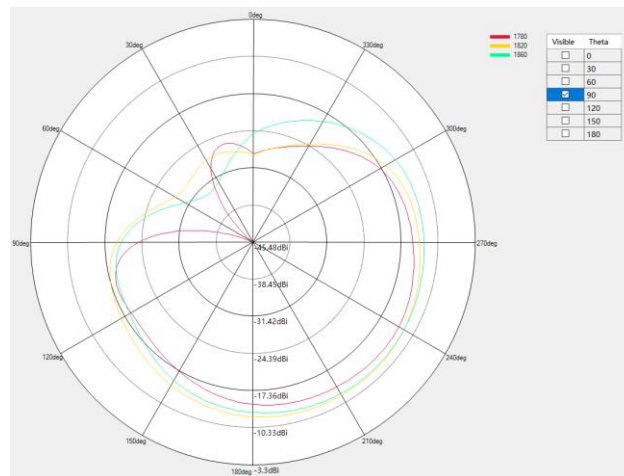
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LTE B3/NR n3 Phi=0deg



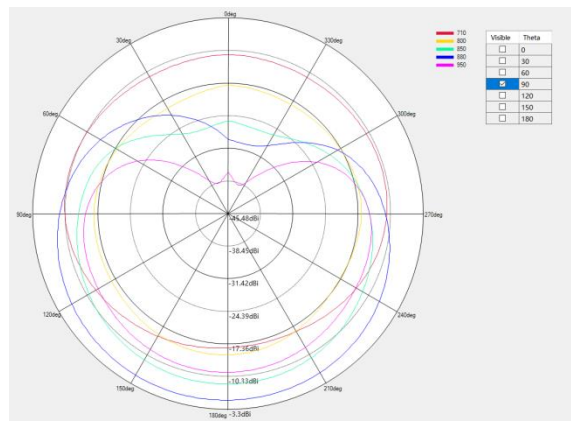
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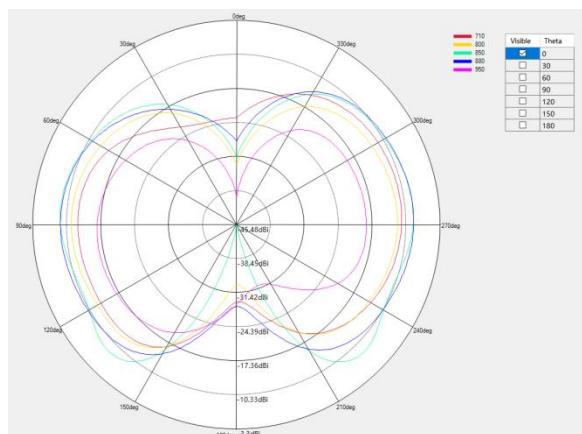
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※ Antenna Gain

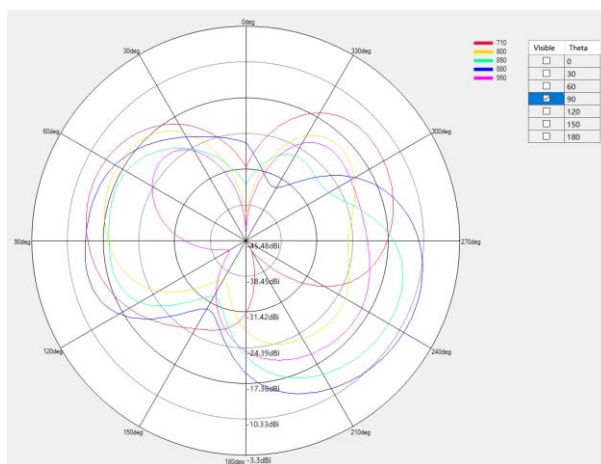
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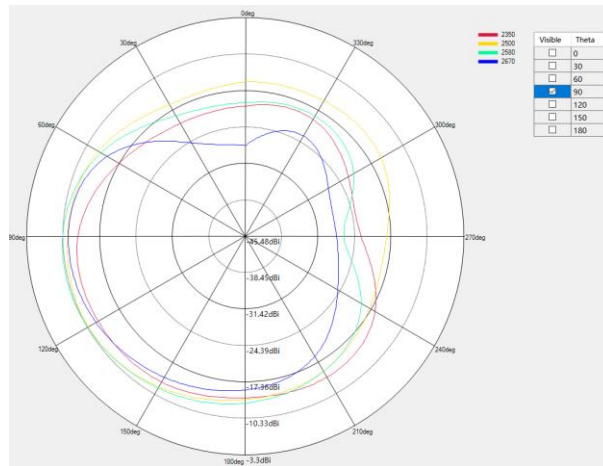
WCDMA B5/B8 LTE B5/B8/B20/B28 NR n5/n8/n20/n28 Phi=0deg



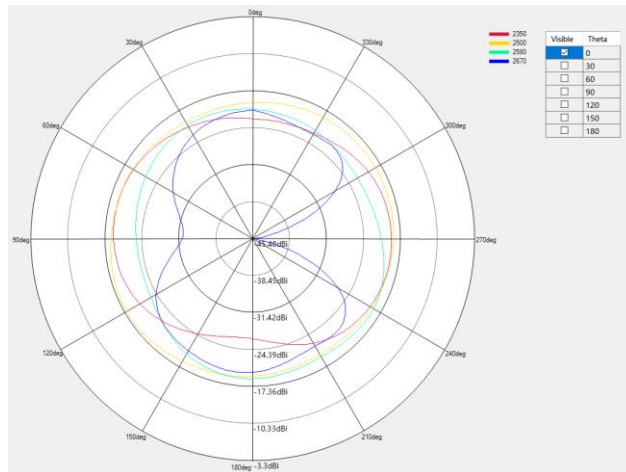
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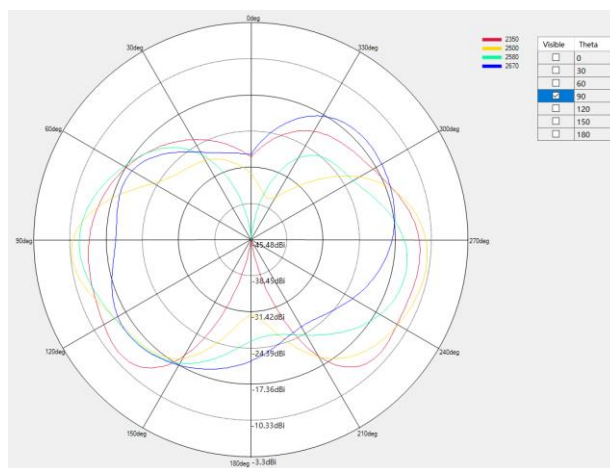
WCDMA B5/B8 LTE B5/B8/B20/B28 NR n5/n8/n20/n28 Theta=90deg



LTE B7/B38/B41 NR n7/ n38/n41 Phi=0deg



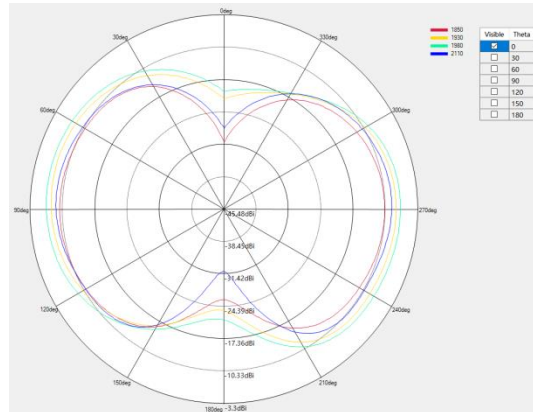
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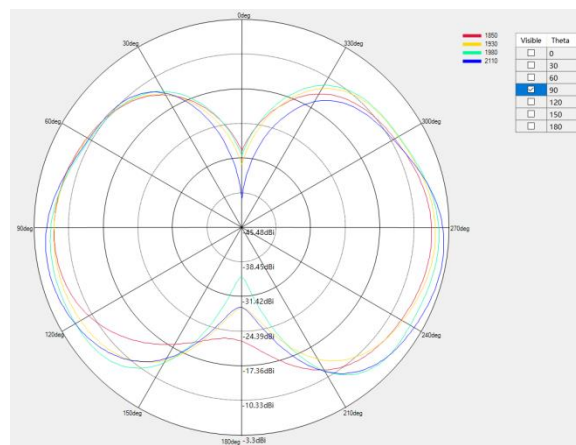
LTE B7/B38/B41 NR n7/ n38/n41 Theta=90deg

※ Antenna Gain

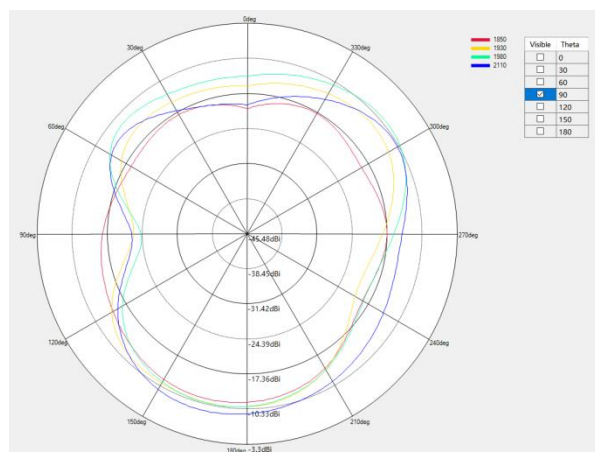
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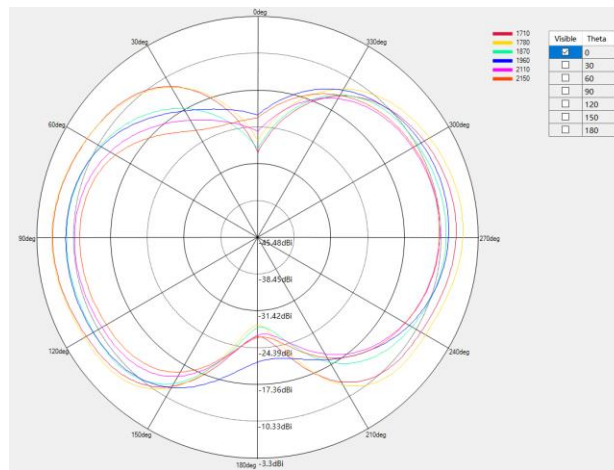
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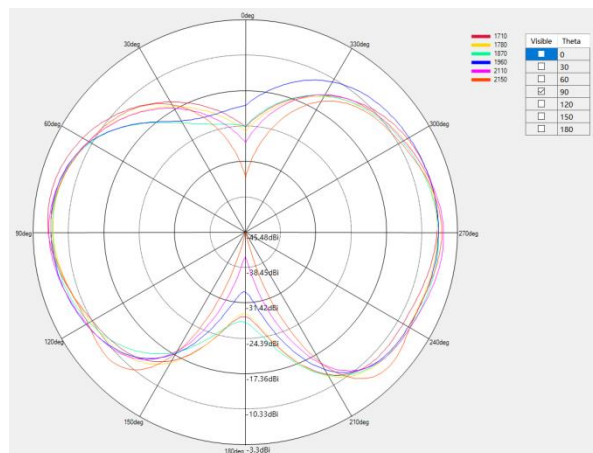
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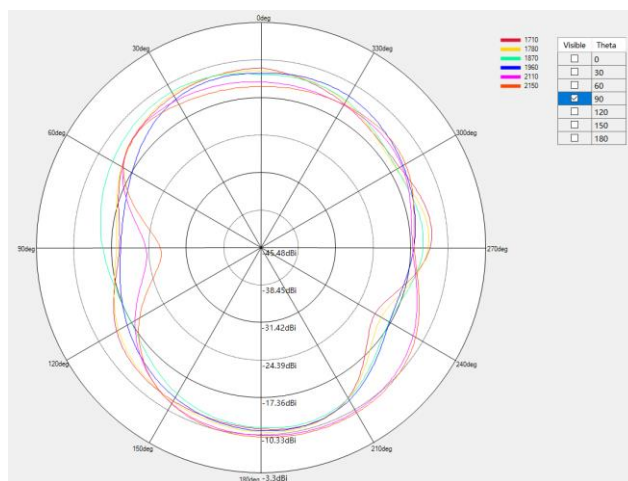
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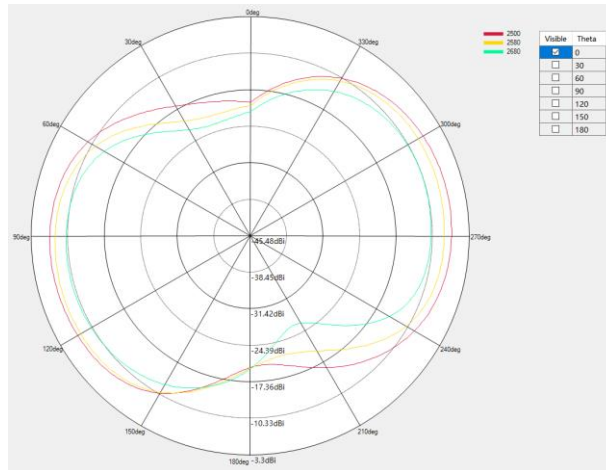
DCS1800/WCDMA B4/ LTE B3/B4/B66 NR n3/N66 Phi=0deg



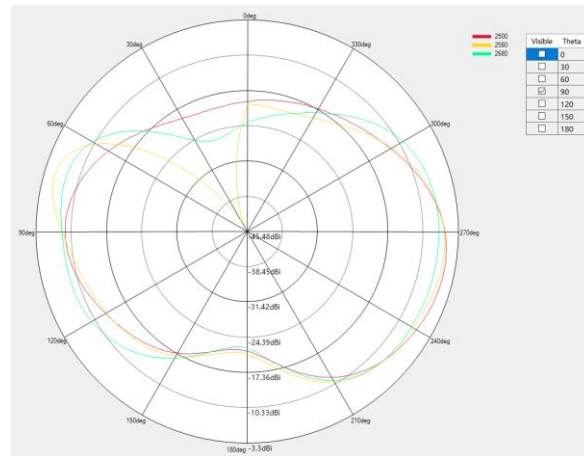
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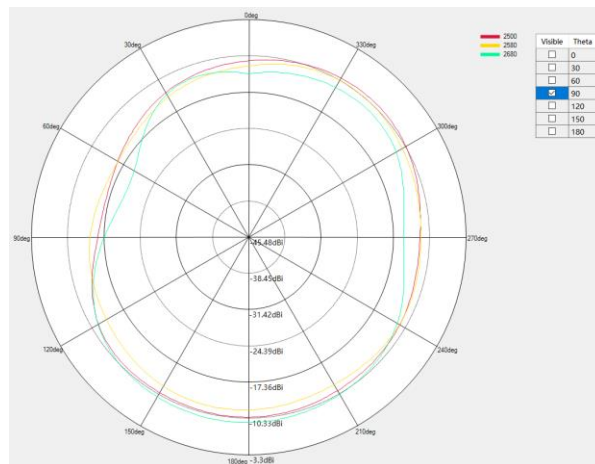
DCS1800/WCDMA B4/ LTE B3/B4/B66 NR n3/N66 Theta=90deg



LTE B7/B38/B41 /NR n7/n38/41 Phi=0deg



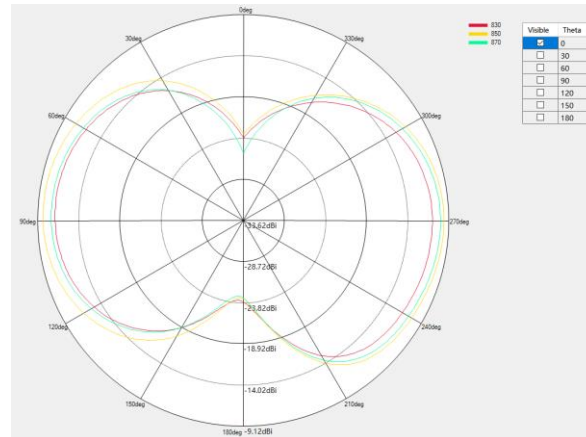
LTE B7/B38/B41 /NR n7/n38/41 Phi=90deg



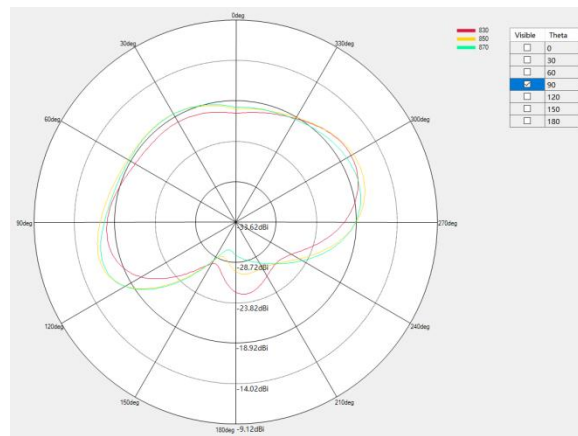
LTE B7/B38/B41 /NR n7/n38/41 Theta=90deg

※ Antenna Gain

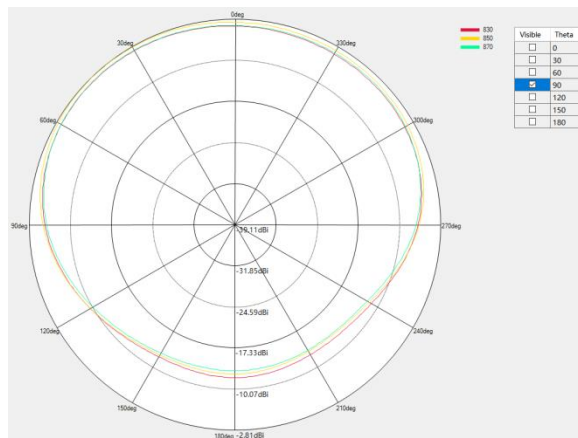
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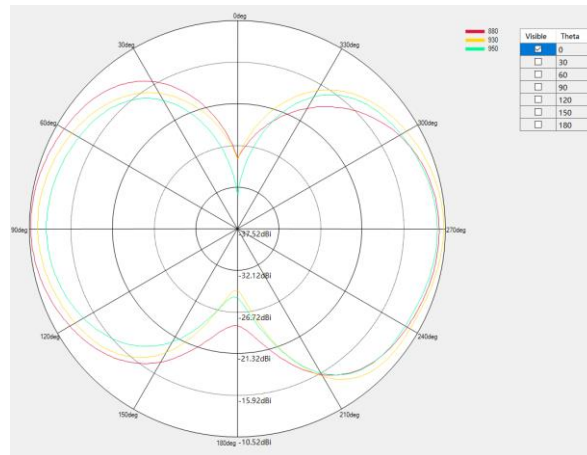
GSM 850/WCDMA B5/LTE B5/NR n5 Phi=0deg



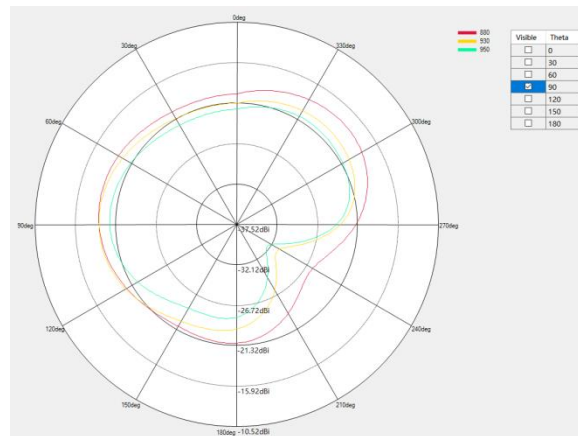
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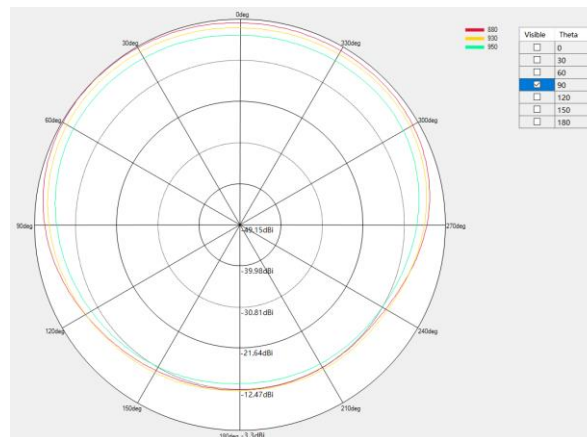
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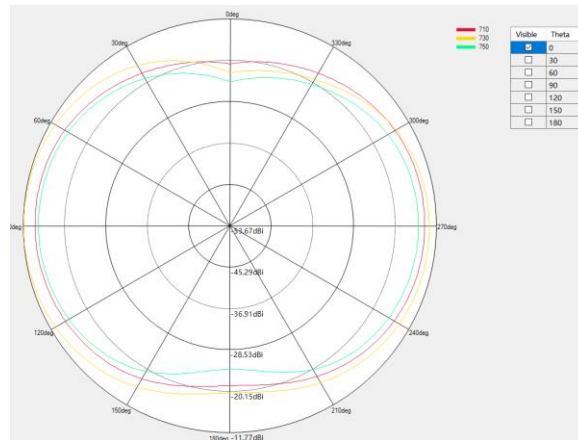
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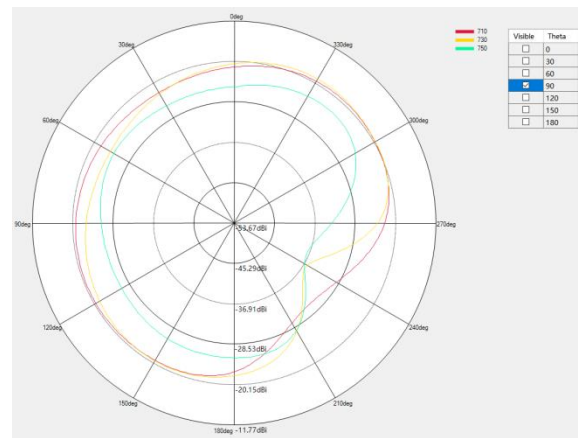
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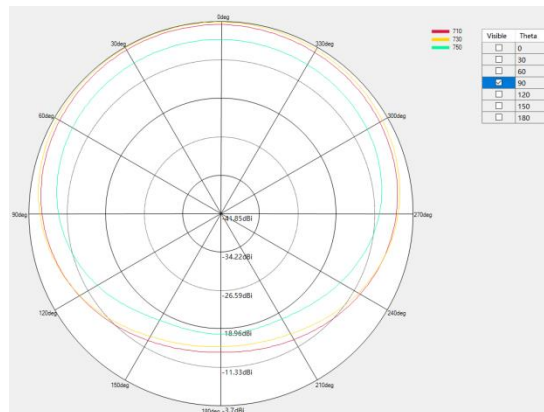
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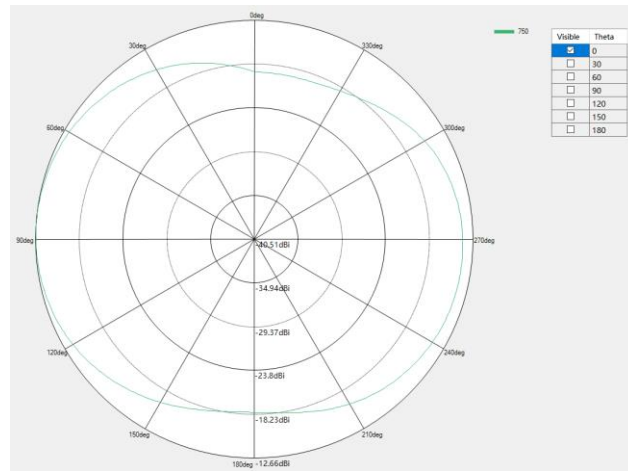
LTE B12/B17/B28/NR n12/n28 Phi=0deg



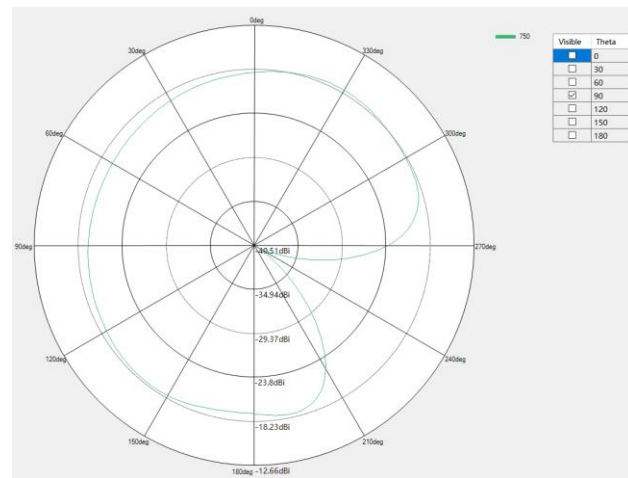
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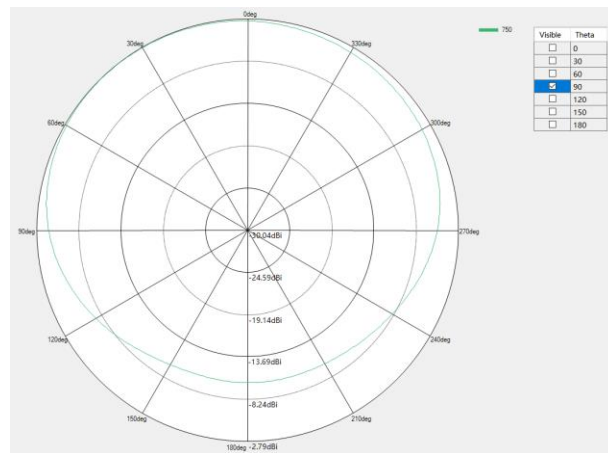
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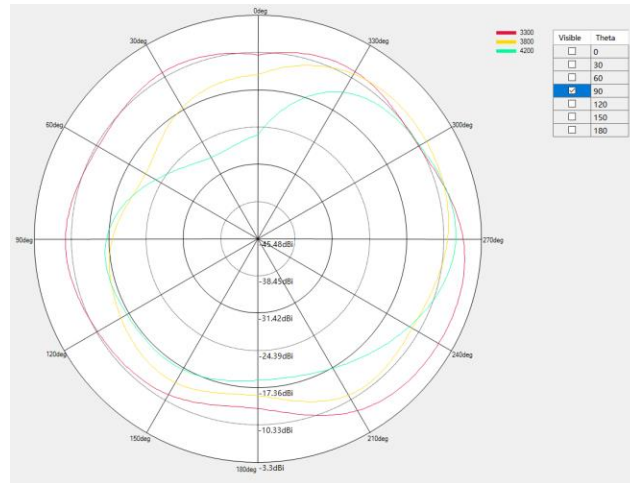
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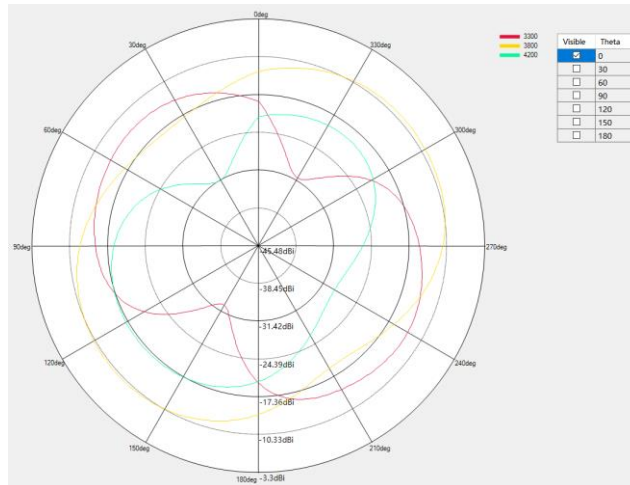
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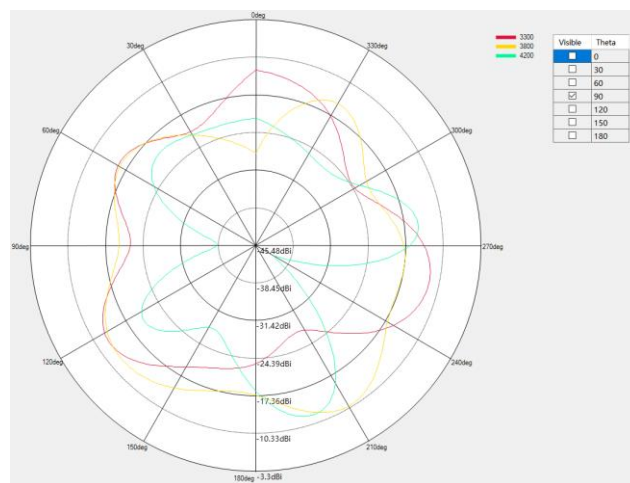
LTE B13 Theta=90deg



LTE B42 NR n77/n78 Phi=0deg



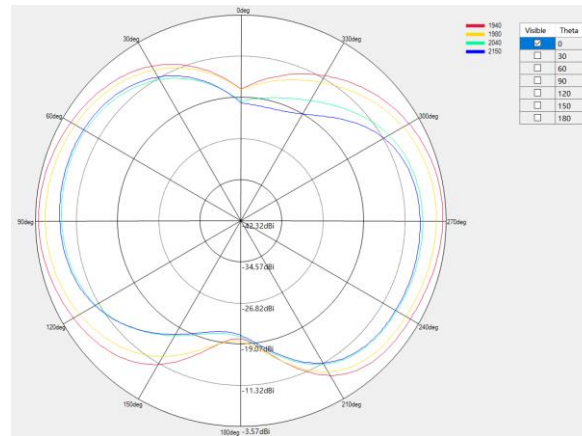
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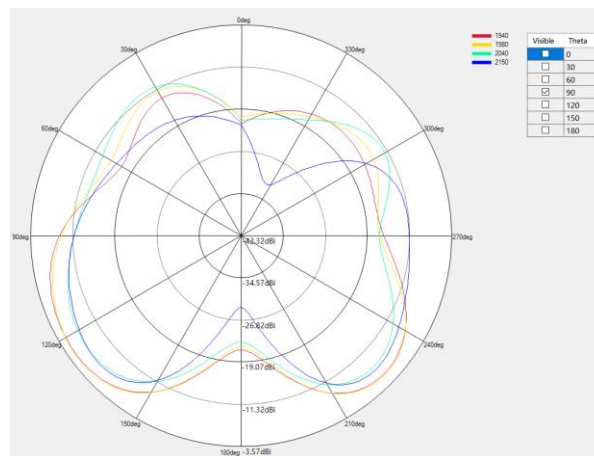
LTE B42 NR n77/n78 Theta=90deg

※ Antenna Gain

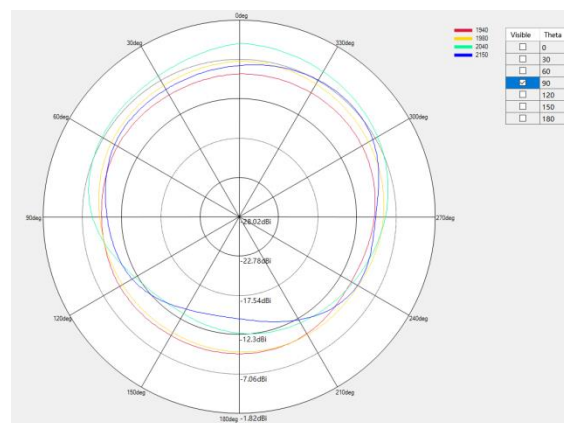
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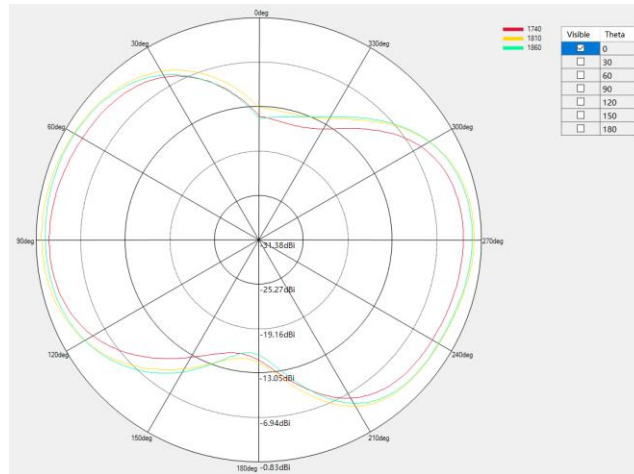
LTE B1/B2/B4/B66 NR n1/n66 Phi=0deg



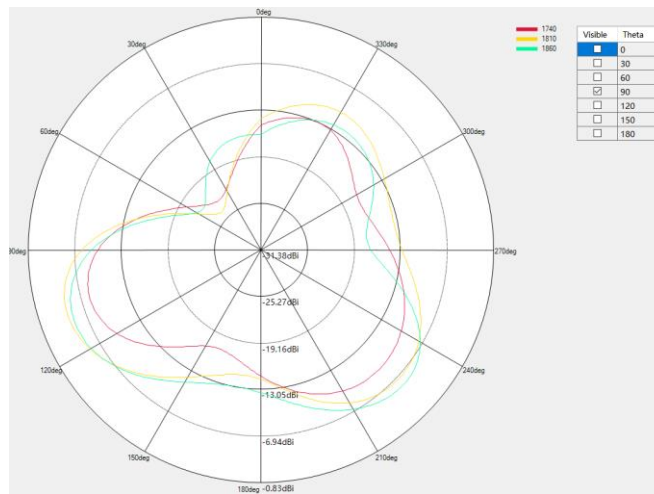
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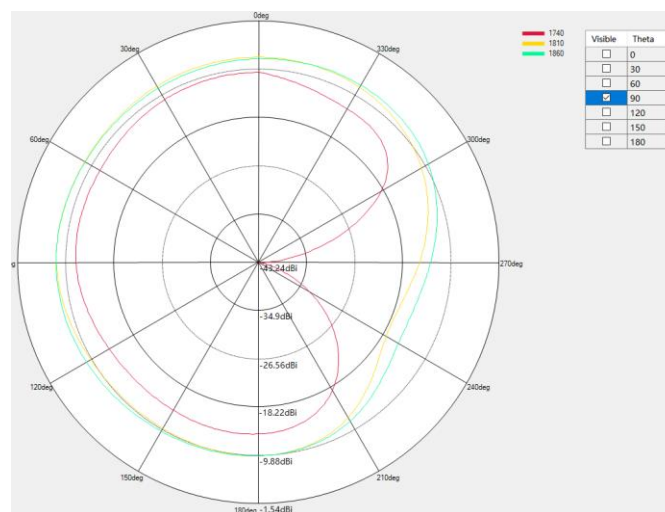
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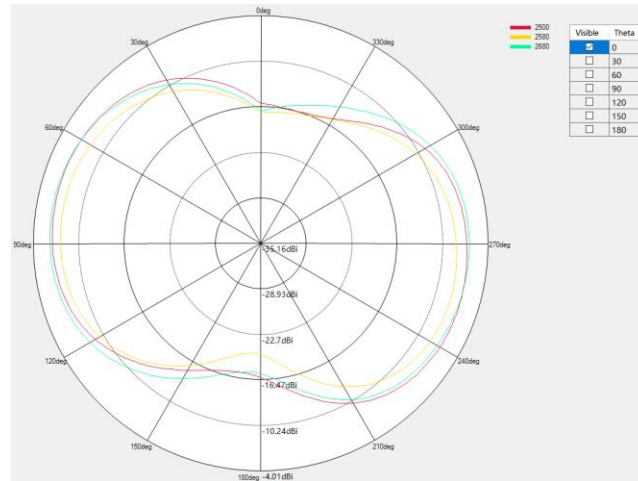
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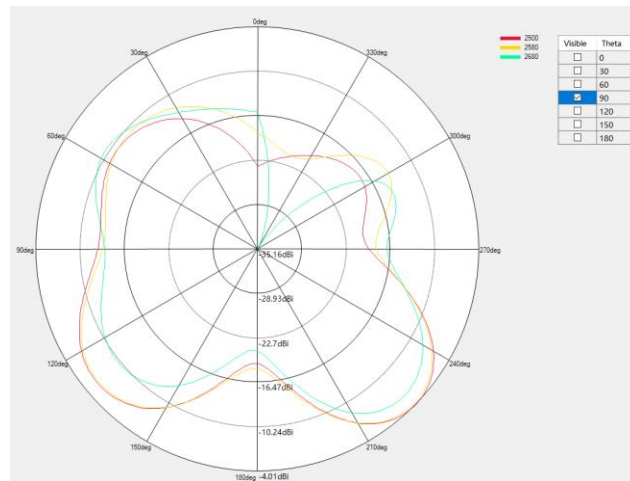
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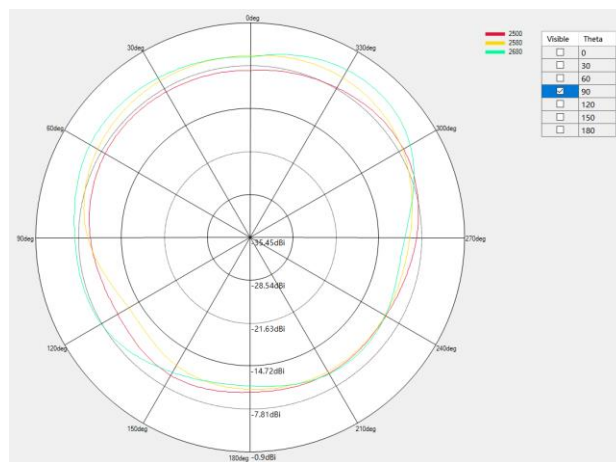
LTE B3 NR n3 Theta=90deg



LTE B7/B38/B41 NR n7/n38/n41 Phi=0deg



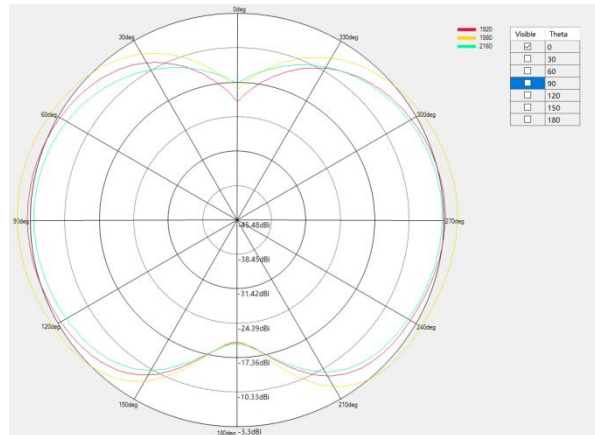
LTE B7/B38/B41 NR n7/n38/n41 Phi=90deg



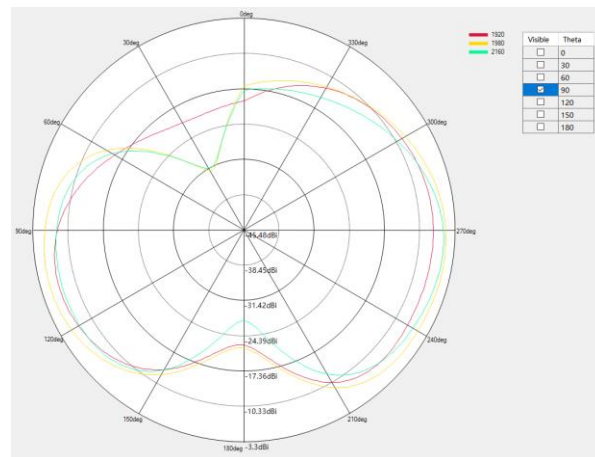
LTE B7/B38/B41 NR n7/n38/n41 Theta=90deg

※ Antenna Gain

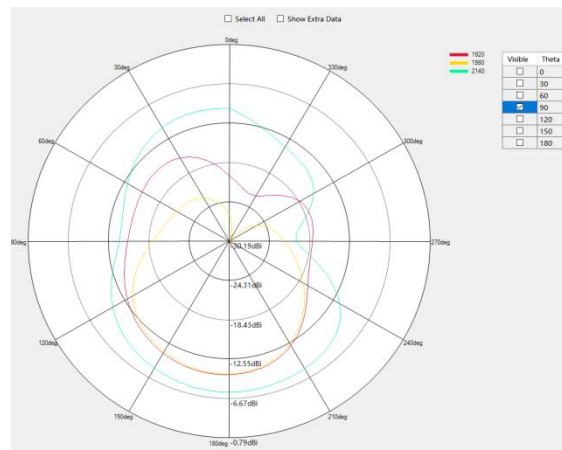
ANT5



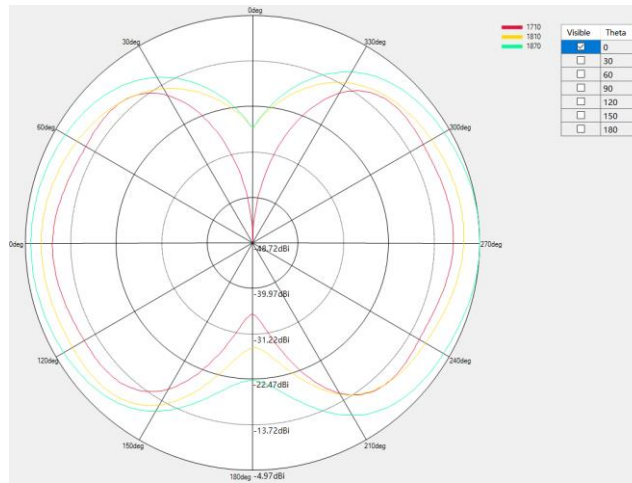
PCS1900/WCDMA B1/LTE B1/NR n1 $\Phi=0^\circ$



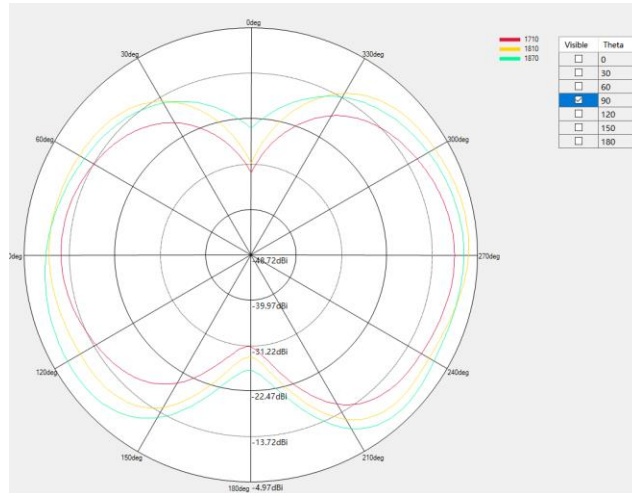
PCS1900/WCDMA B1/LTE B1/NR n1 $\Phi=90^\circ$



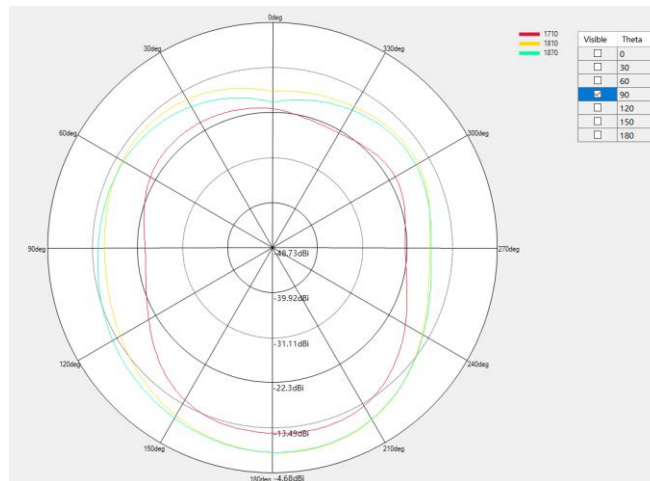
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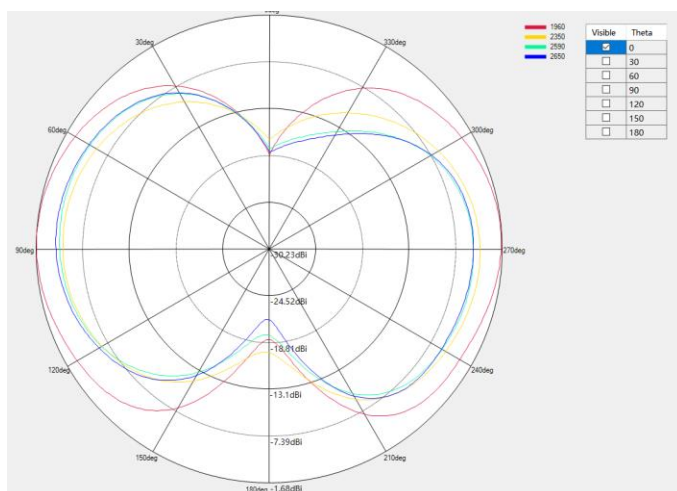
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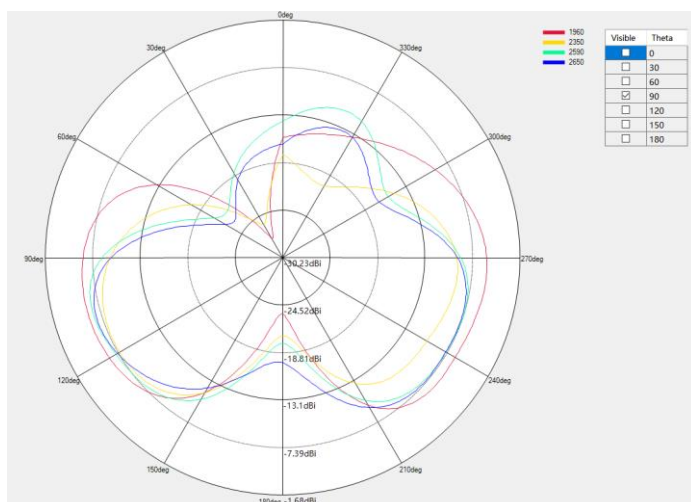
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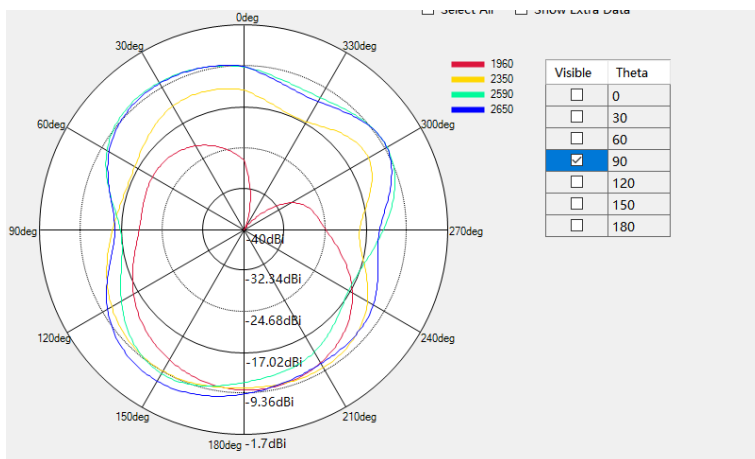
DCS 1800/WCDMA B3/NR n3 Theta=90deg



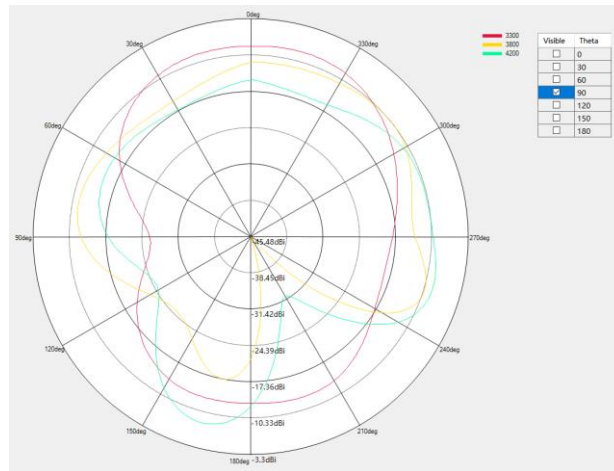
PCS 1900/WCDMA B2/B4 LTE B2/B4/B7/B38/B41/B66 NR/n38/n41/n66 Phi=0deg



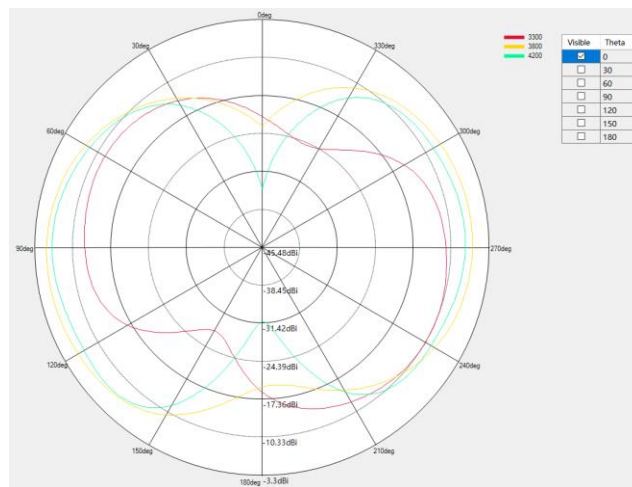
PCS 1900/WCDMA B2/B4 LTE B2/B4/B7/B38/B41/B66 NR n7/n38/n41/n66 Phi=90deg



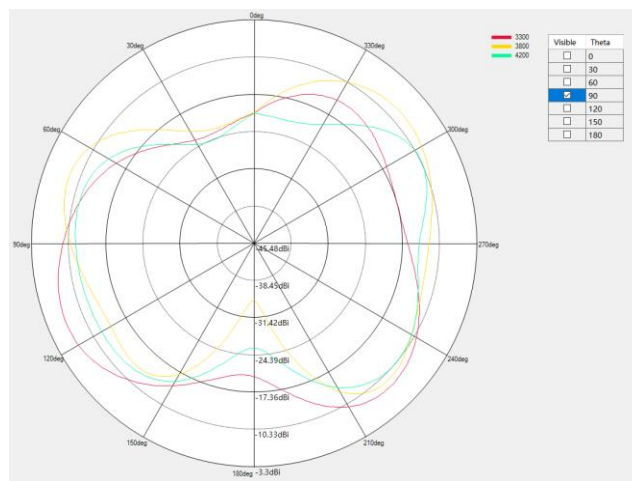
PCS 1900/WCDMA B2/B4 LTE B2/B4/B7/B38/B41/B66 NR n7/n38/n41/n66 Theta=90deg



LTE B42 NR n77/n78 Phi=0deg



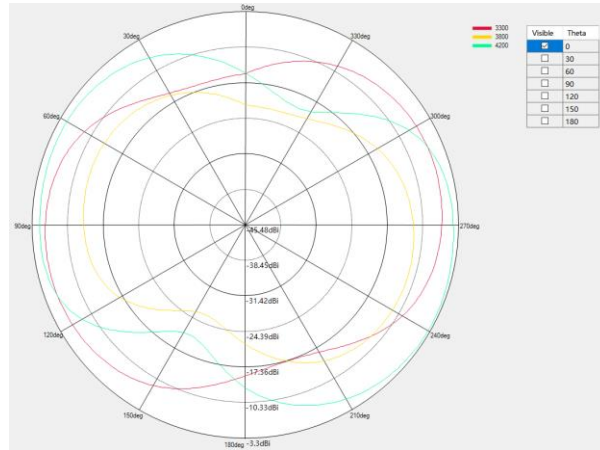
LTE B42 NR n77/n78 Phi=90deg



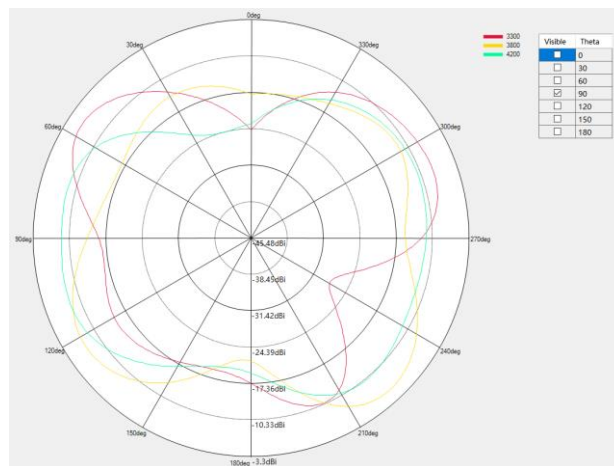
LTE B42 NR n77/n78 Theta=90deg

※ Antenna Gain

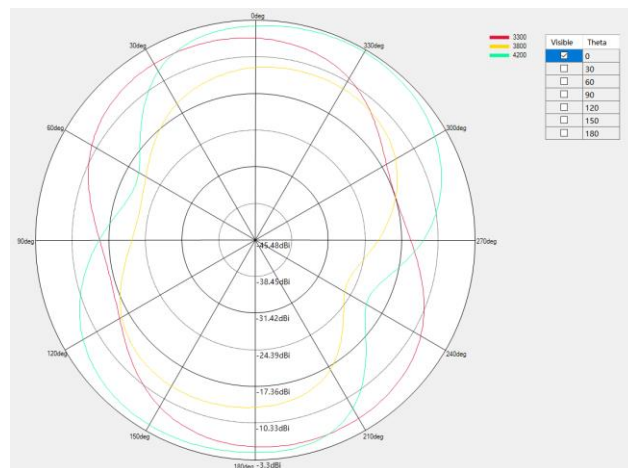
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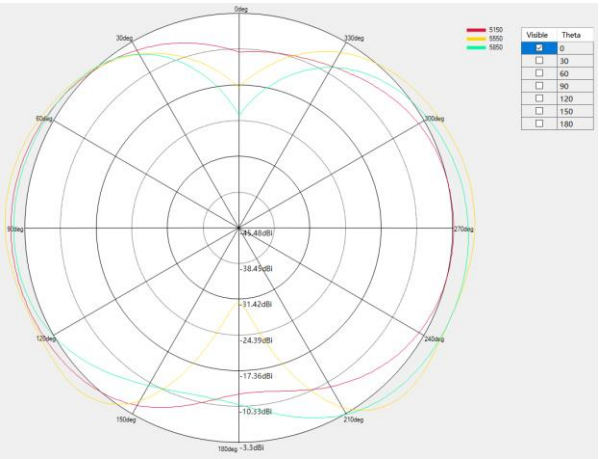
LTEB42 NRN77/78 Phi=0deg



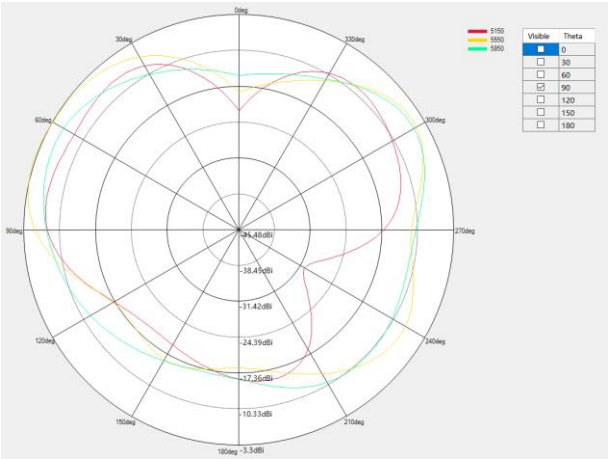
LTEB42 NRN77/78 Phi=90deg



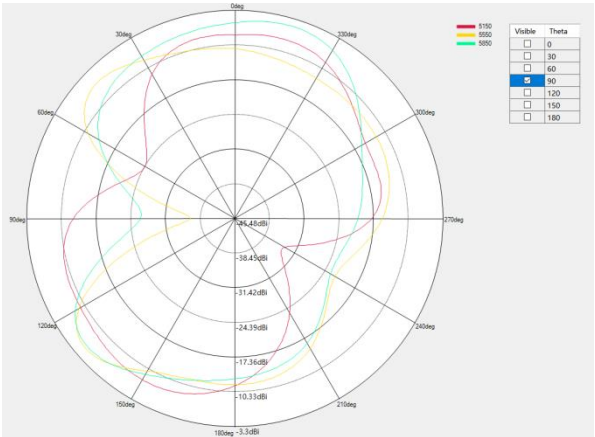
LTEB42 NRN77/78 Theta=90deg



WIFI 5G $\Phi=0^\circ$



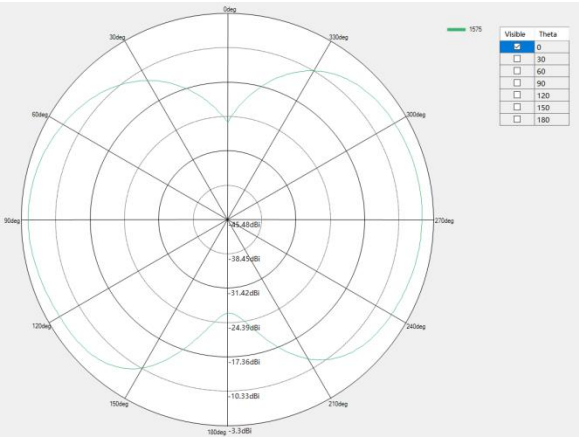
WIFI 5G $\Phi=90^\circ$



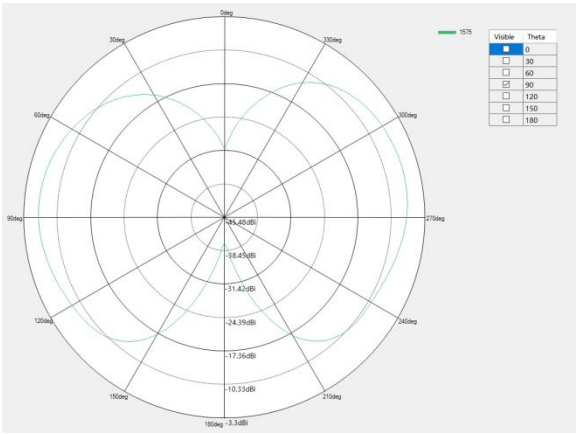
WIFI 5G $\Theta=90^\circ$

※ Antenna Gain

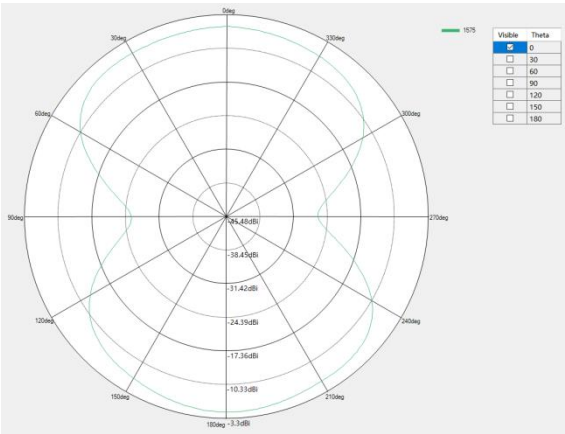
ANT12



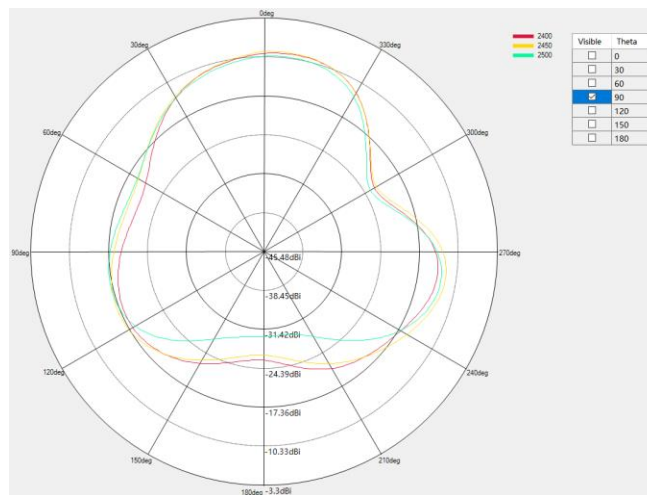
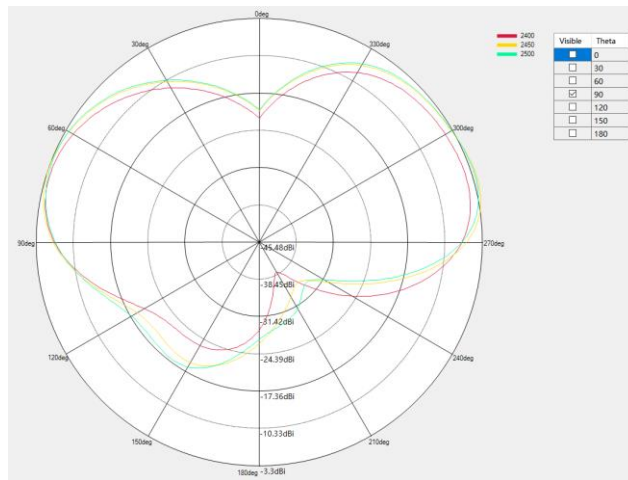
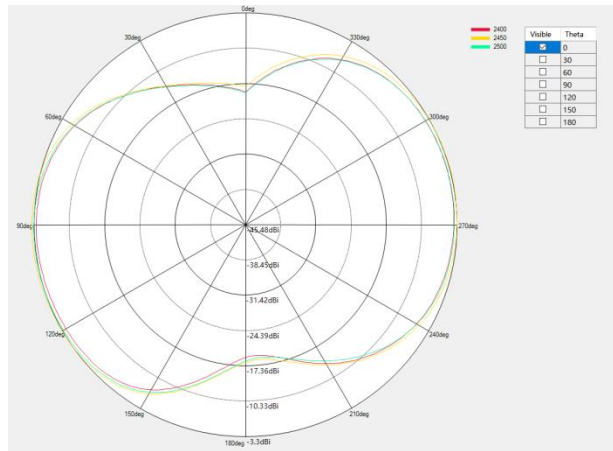
GPS(L1) $\Phi=0^\circ$



GPS(L1) $\Phi=90^\circ$

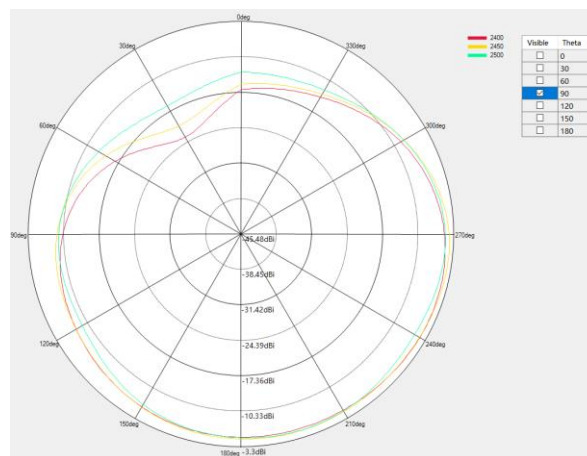
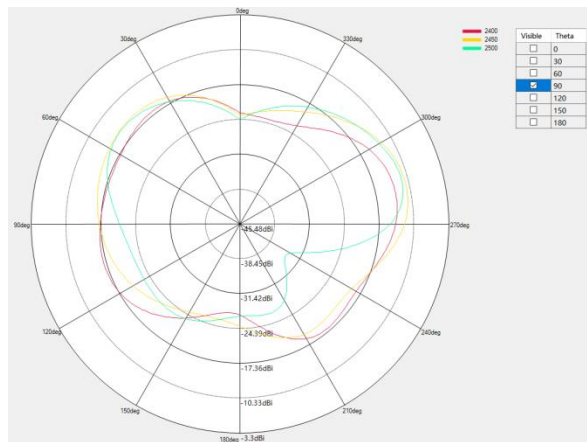
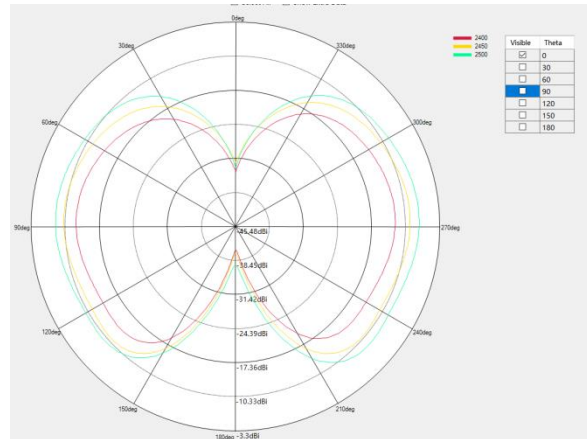


GPS(L1) $\Theta=90^\circ$

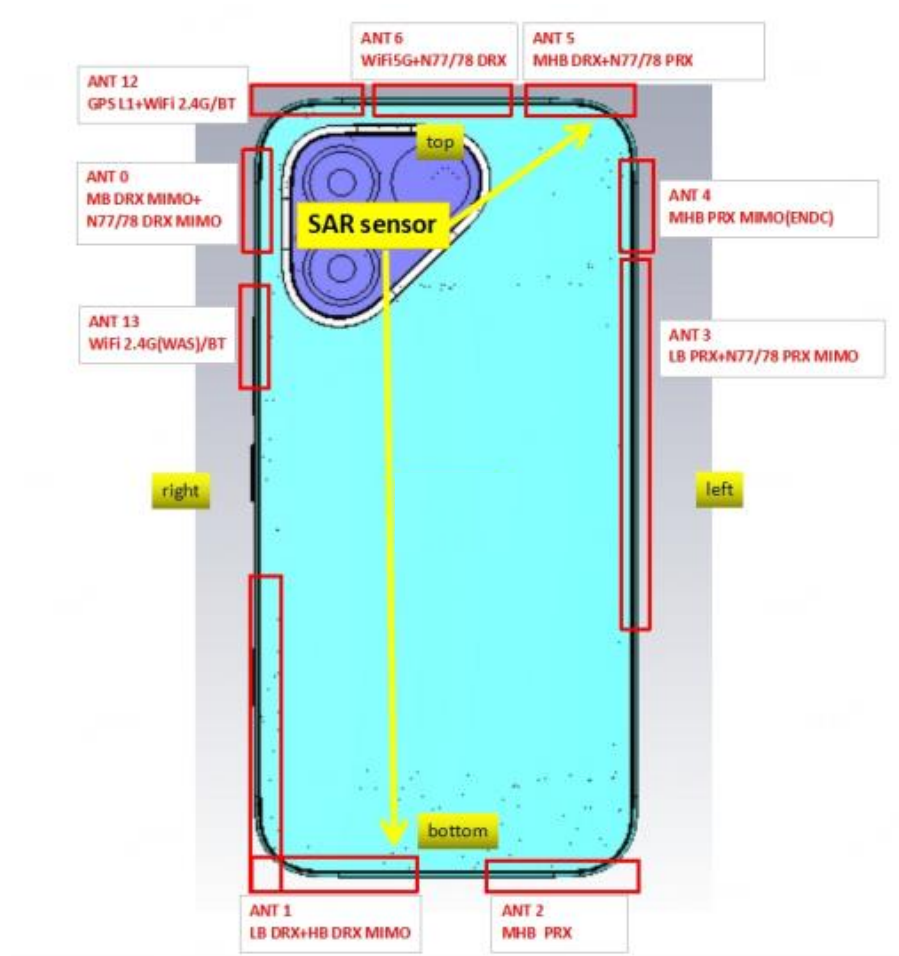


※ Antenna Gain

ANT13



LK7 Ant Position



NFC Antenna: Dimensions(unit: mm)

