

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/B40/B41/B66/B42

NR Mode N1/N3/N5/N7/N8/N12/N20/N28/N38/N40/N41/N66/N77/N78

Name and address of the antenna manufacturer	Model number of the antenna
Shenzhen Weichuang Communication Technology ADD:1-3/F, Building 8, Tongfu Estate Industrial Zone,	The honeycomb antenna of the metal frame project has no silk screen NFC Silk Screen Printing: CN7C-WTT -VXX-XX(XX:Version-Date)

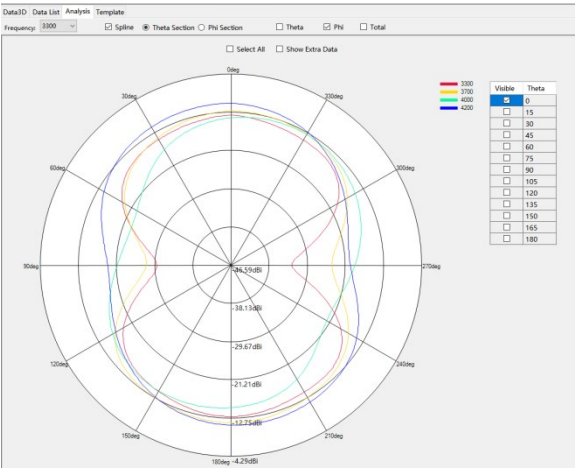
TYPE	
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5 NR n5: 824 – 849 MHz
	GSM 900/WCDMA B8/LTE B8 NR n8: 880 – 915 MHz
	DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: 1710 – 1785 MHz
	PCS/WCDMA B2/LTE B2:1850-1910MHz
	WCDMA B1/LTE B1 NR n1: 1920-1980MHz
	LTE B7 NR n7:2496-2565MHz
	LTE B40 NR n40:2300-2400MHz
	LTE B38/B41 NR n38/n41:2565-2645MHz
	LTE B20 NR n20:832-862MHz
	LTE B12/B13/B17/B28 NR n12/n28:710-755MHz
	LTE B42 NR n77/n78:3300-4200MHz
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 B4/66 NR 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 B40 NR n40:2300-2400MHz
	LTE B38/41 NR n38/n41:2565-2645MHz
	LTE B20 NR n20:791-821MHz

		LTE B12/B13/B17/B28 NR n12/n28:758-803MHz
		LTE B42 NR n77/n78:3300-4200MHz
RF-Output Power (E.I.R.P)		GSM850/900: 32+/-2dBm
		DCS/PCS: 30+/-2dBm
		LTE B1/B2/B3/B4/B5 /B7/B8/B12/B13/B17/B20/B28/B38/B40/B41/B66/B42: 23+/-2dBm
		WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm
		NR N77/N78: 26+/-2dBm
		NR N1/N3/N5/N7/N8/N12/N20/N28/N38/N40/N41/N66: 23+/-2dBm
Antenna Gain	ANT0	LTEB42 NR n77/n78: -3.9
	ANT1	NR N12/N28/LTE B12/B13/B17/B28:-5.77
		GSM850/LTE B5/B20/NR N5/N20:-7.69
		GSM900/WCDMA B8/LTE B8/NR N8:-3.51
	ANT2	LTE B7/ B41/B38 NR n7/n41/n38 :-1.30
		PCS/WCDMA B1/B2 LTE B1/B2/ NR n1:-1.51
		DCS/WCDMA B4 /LTE B3/B4/B66 /NR n3/n66 :-2.87
		LTE B40 NR n40: -1.86
	ANT3	GSM 850/WCDMA B5/LTE B5/20 /NR n5/20: -0.07
		GSM 900/WCDMA B8/LTE B8 /NR n8: -0.41
		LTE B12/B17/B28/B13 /NR n12/n28:-6.07
		LTEB42 /NR n77/n78:-0.01

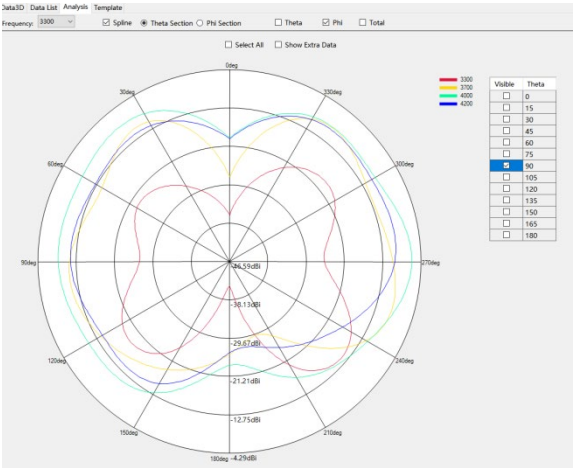
	ANT4	LTE B7/ B41/B38 /NR n7/n41/n38 :-0.73
		LTE B1/B4/B66 /NR n1/n66 :-4.97
		LTE B3 /NR n3 :-3.4
		LTE B40/ NR n40: -3.68
	ANT5	LTE B7/ B41/B38 NR n7/n41/n38 :-0.85
		PCS/WCDMA B1/B2 LTE B1/B2/ NR n1:-5.01
		DCS/WCDMA B4 /LTE B3/B4/B66 /NR n3/n66 :-3.25
		N77/78 /LTE B42 :-1.17
		LTE B40/ NR n40: -3.75
	ANT6	LTEB42 /NR n77/n78:-3.95
		WIFI 5G :-0.77
	ANT12	GPS(L1):-3.32
		BT/WIFI2.4:-3.08
	ANT13	WIFI2.4:-0.52
Type of Modulation		

※ Antenna Gain

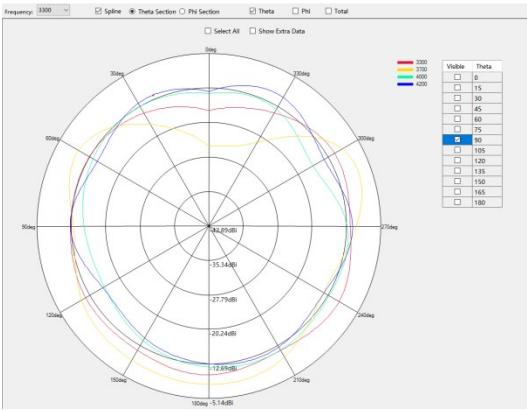
ANT0



LTEB42 NRN77/78 Phi=0deg



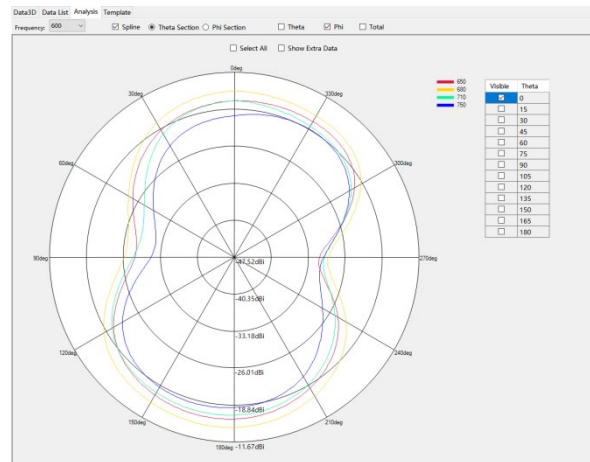
LTEB42 NRN77/78 Phi=90deg



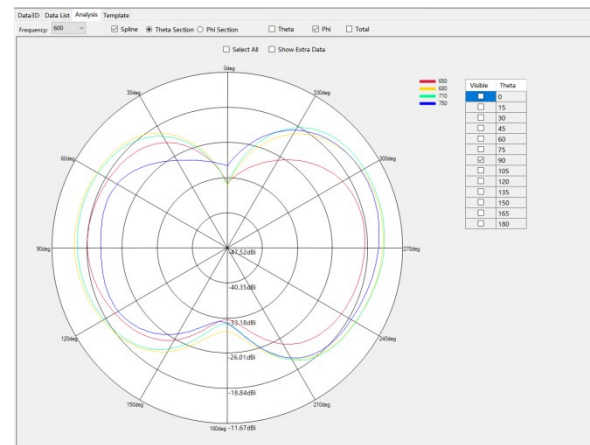
LTEB42 NRN77/78 Theta=90deg

※ Antenna Gain

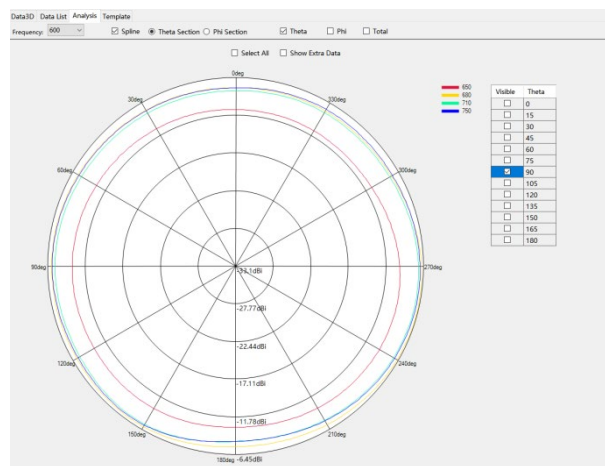
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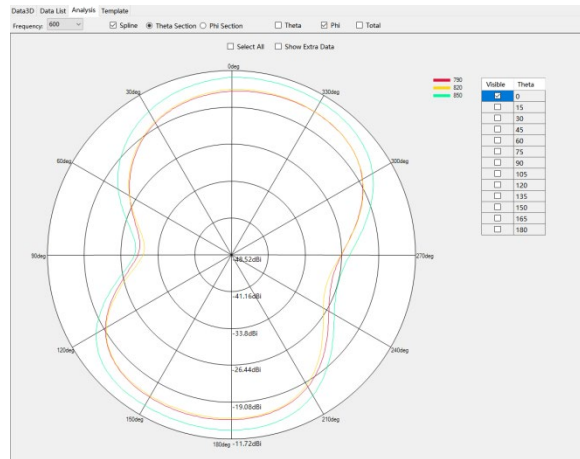
NR N12/N28 /LTE B12/B13/B17/B28 Phi=0deg



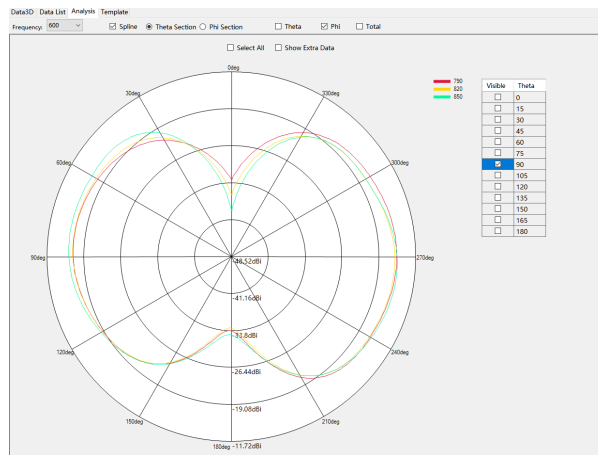
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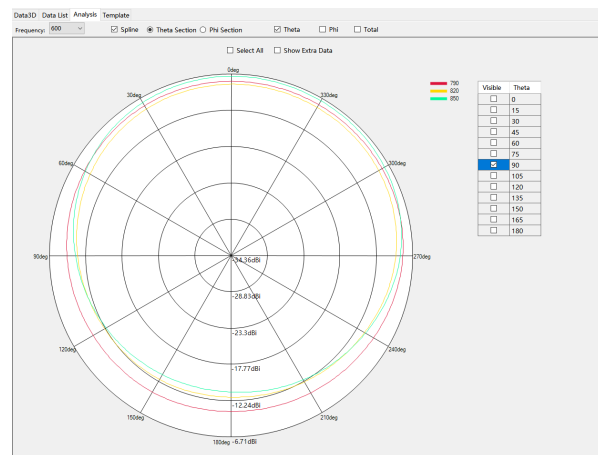
NR N12/N28 /B12/B13/B17/B28 Theta=90deg



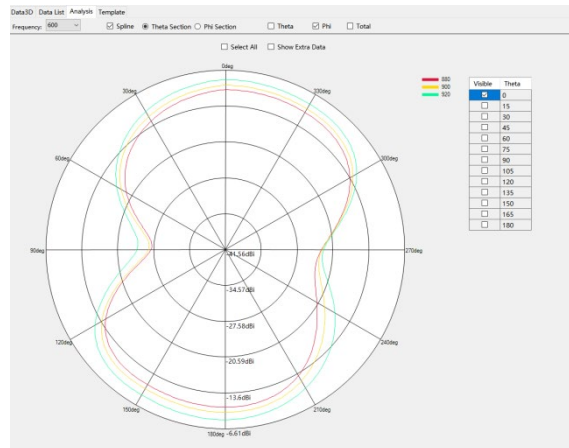
GSM850/LTE B5/B20/NR N5/N20 Phi=0deg



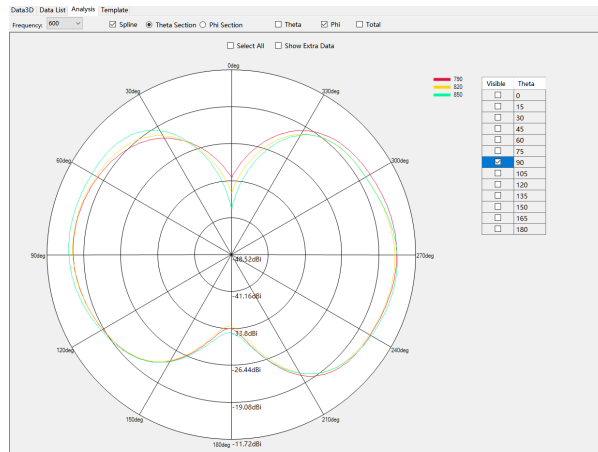
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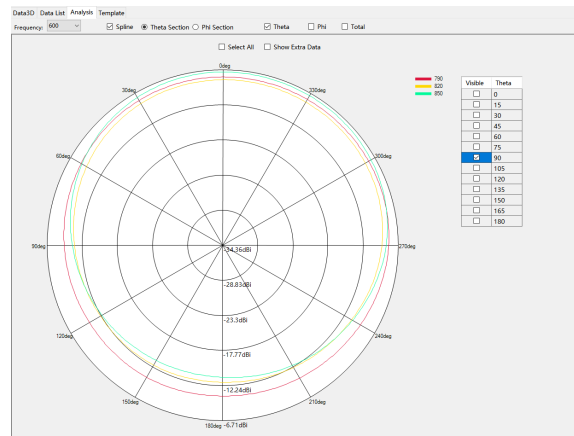
GSM850/LTE B5/B20/NR N5/N20 Theta=90deg



GSM900/WCDMA B8/LTE B8/NR N8 Phi=0deg



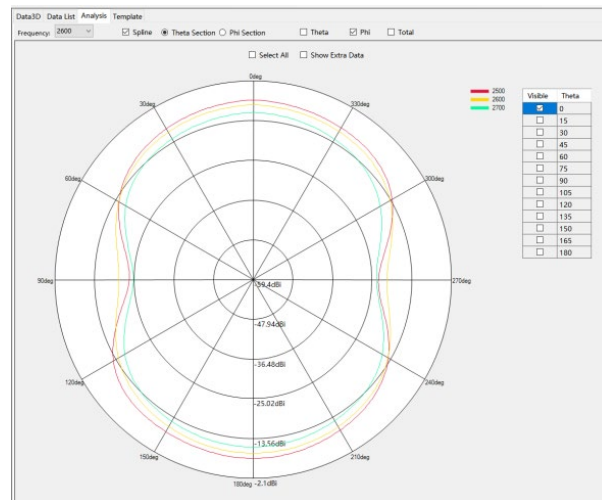
GSM900/WCDMA B8/LTE B8/NR N8 Phi=90deg



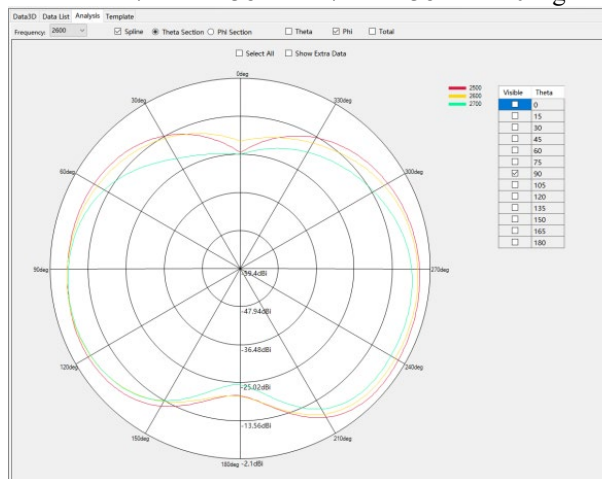
GSM900/WCDMA B8/LTE B8/NR N8 Theta=90deg

※ Antenna Gain

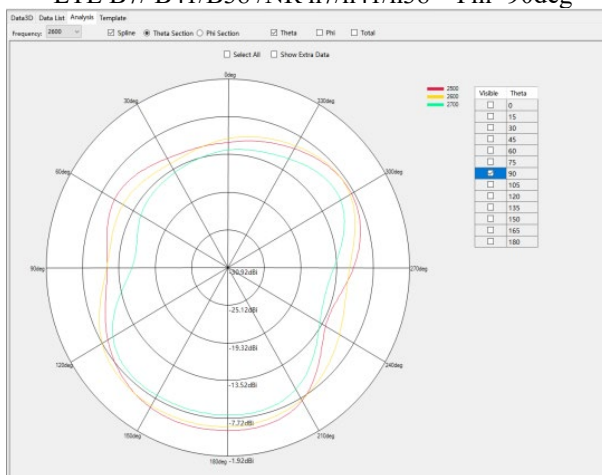
ANT2



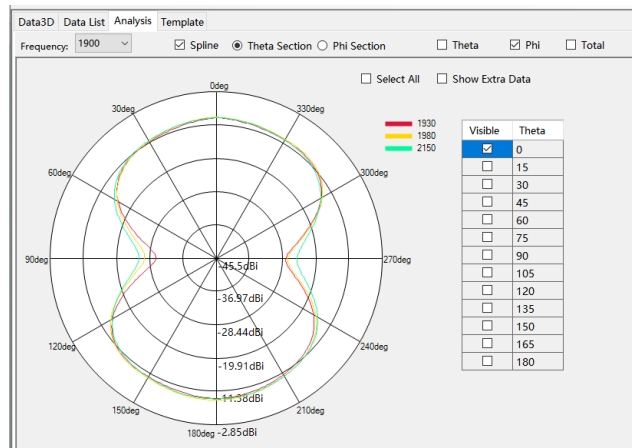
LTE B7/ B41/B38 /NR n7/n41/n38 Phi=0deg



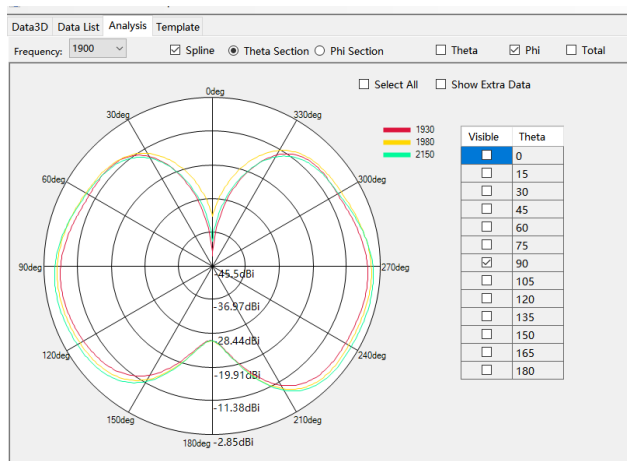
LTE B7/ B41/B38 /NR n7/n41/n38 Phi=90deg



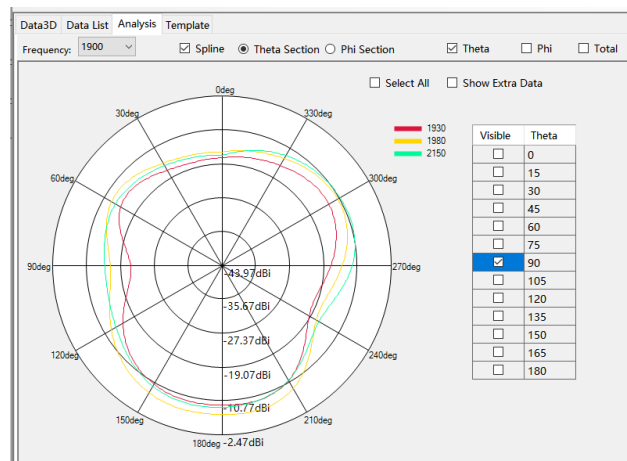
LTE B7/ B41/B38 /NR n7/n41/n38 Theta=90deg



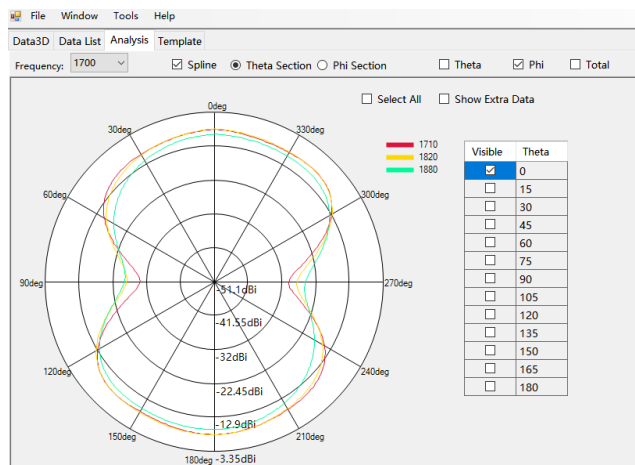
PCS/WCDMA B1/B2/ LTE B1/B2 NR n1 Phi=0deg



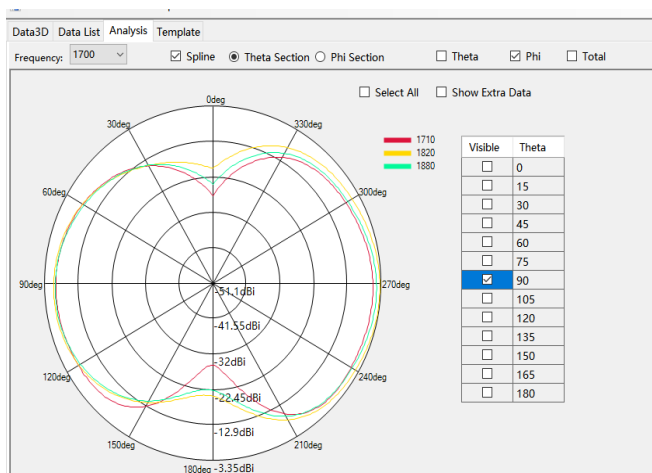
PCS/WCDMA B1/B2 /LTE B1/B2 NR n1 Phi=90deg



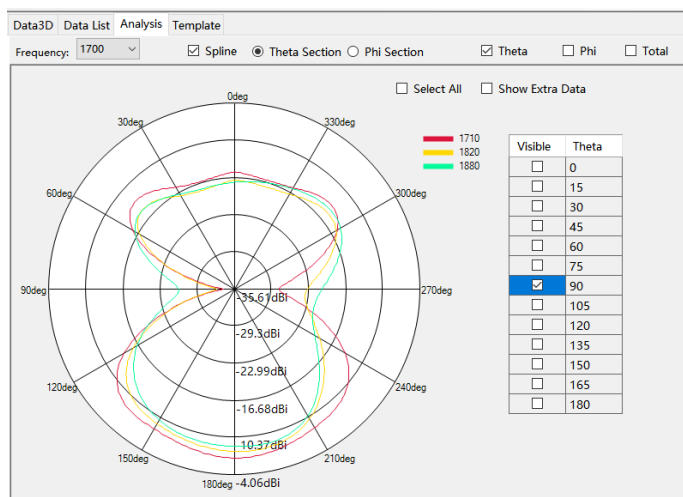
PCS/WCDMA B1/B2 /LTE B1/B2 NR n1 Theta=90deg



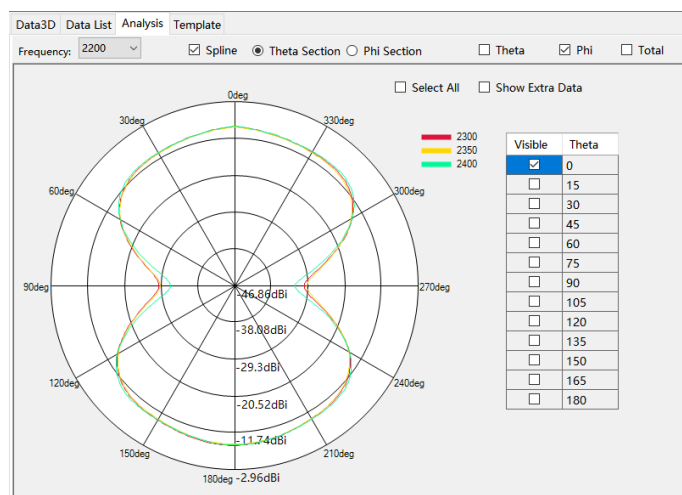
DCS/WCDMA B4/ LTE B3/B4/B66 /NR n3/66 Phi=0deg



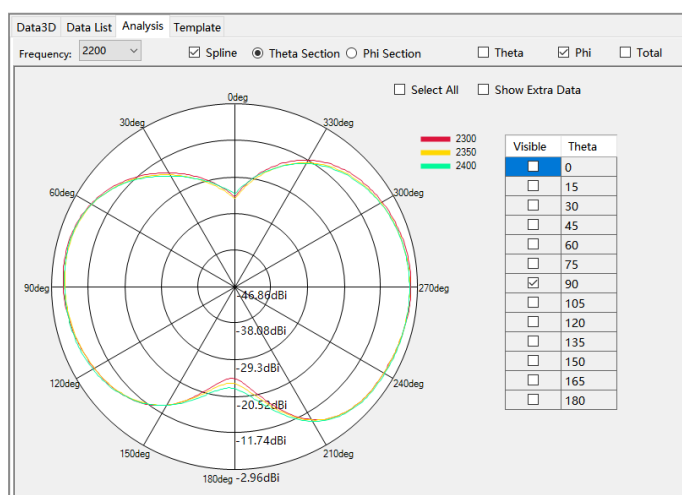
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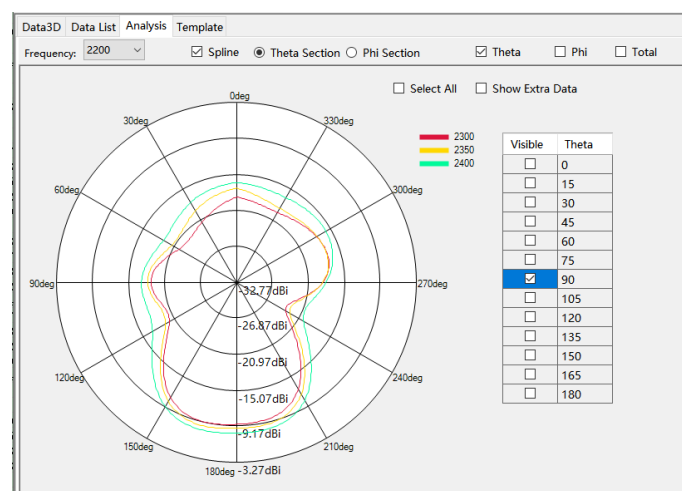
DCS/WCDMA B4/ LTE B3/B4/B66 /NR n3/66 Theta=90deg



LTE B40/ NR n40 — Phi=0deg



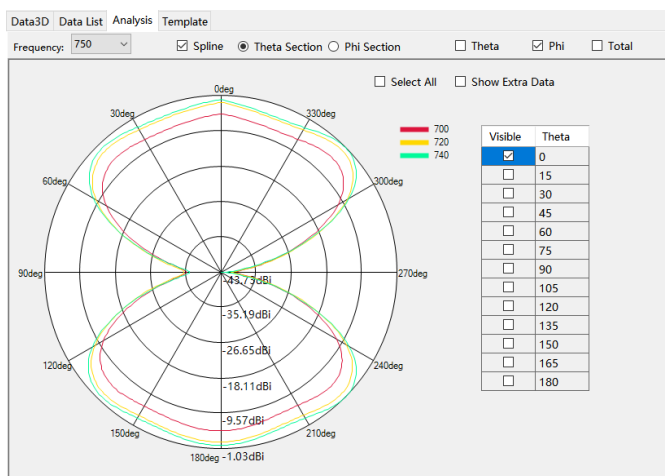
LTE B40/ NR n40 — Phi=90deg



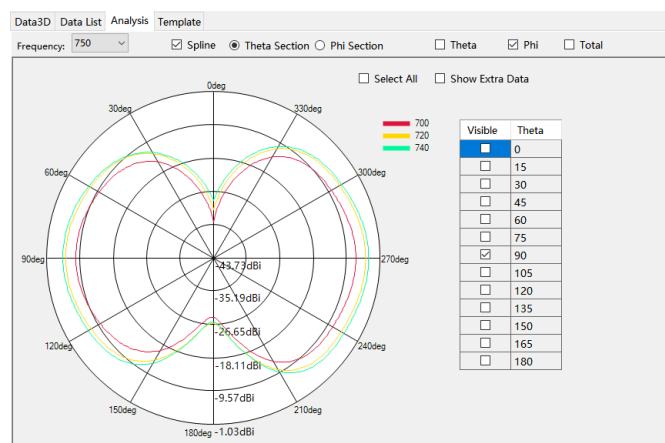
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※ Antenna Gain

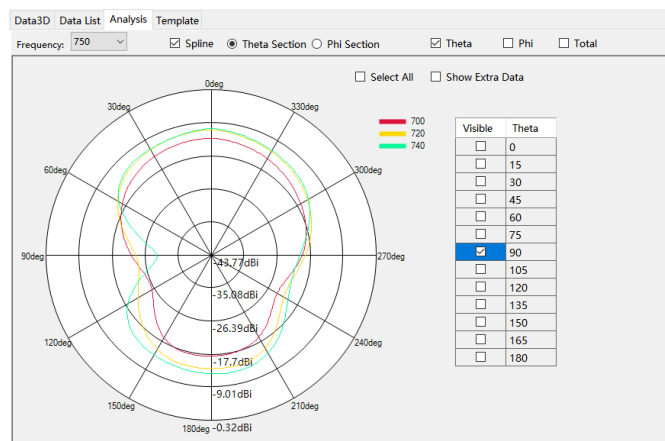
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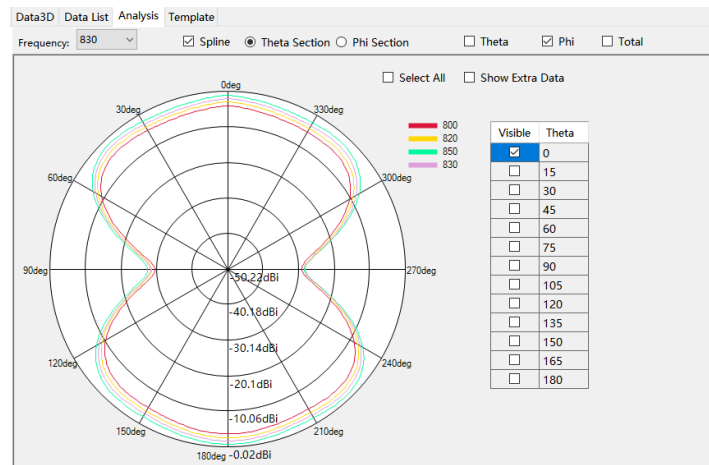
NR N28/12 LTE B28/12/17/13 Phi=0deg



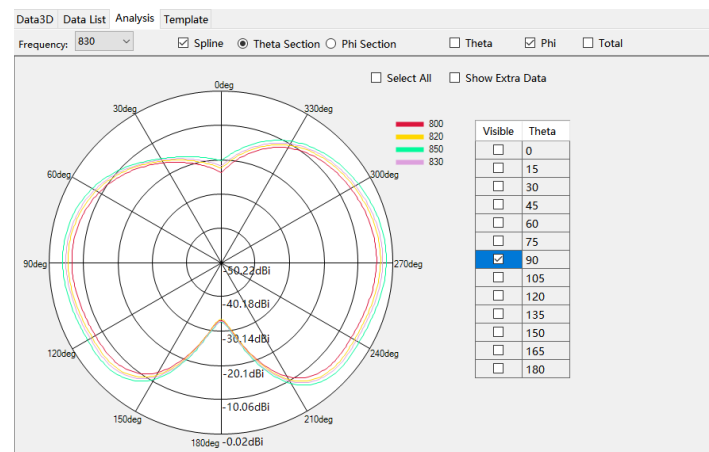
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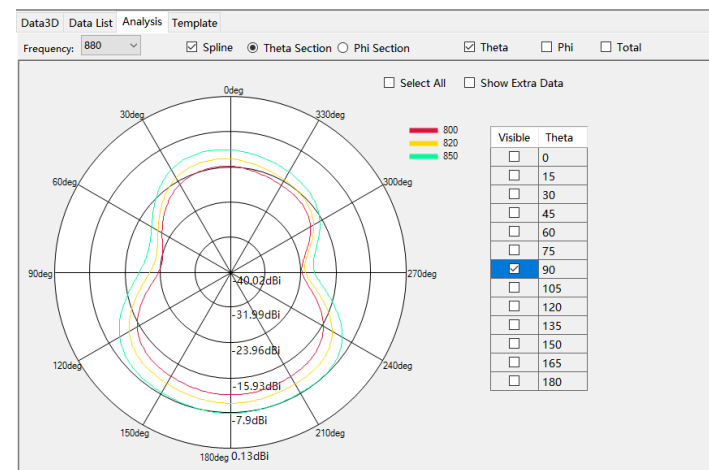
NR N28/12 LTE B28/12/17/13 Theta=90deg



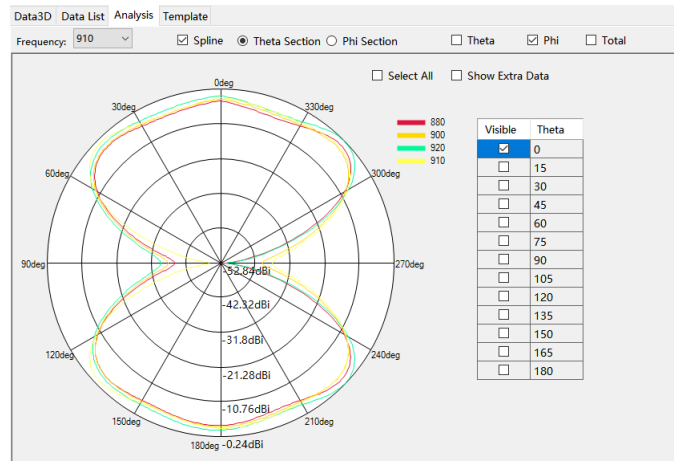
NR N5/20 /LTE B5/20 /WCDMA B5/GSM 850 Phi=0deg



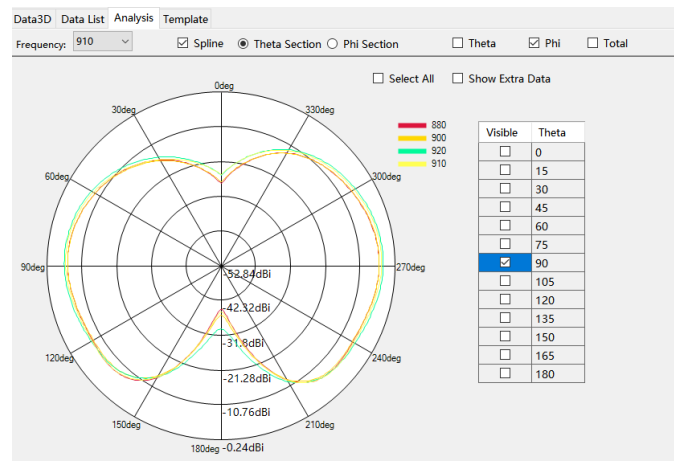
NR N5/20 /LTE B5/20 /WCDMA B5/GSM 850 Phi=90deg



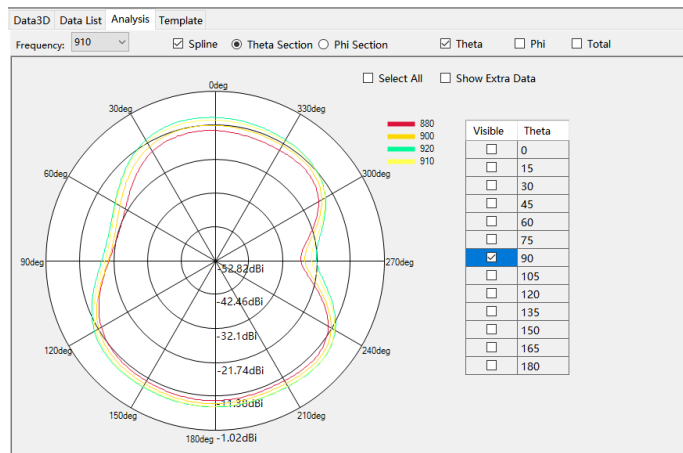
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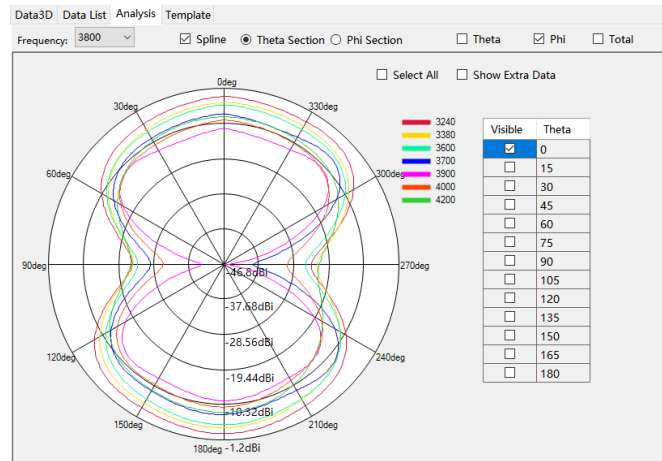
NR 8 /LTE B8/WCDMA B8/ GSM 900 Phi=0deg



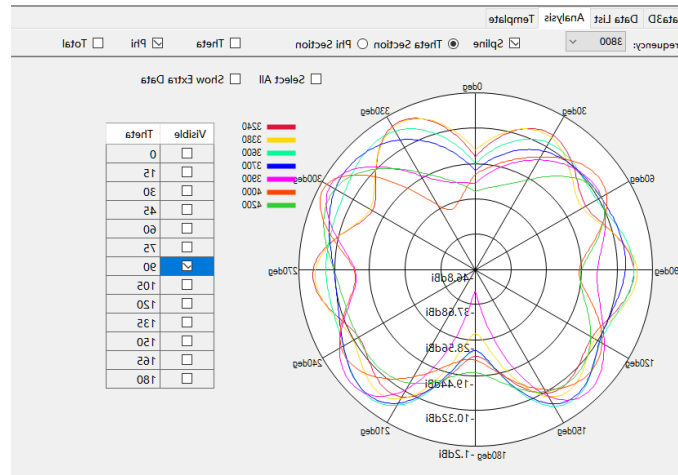
NR 8 /LTE B8/WCDMA B8/ GSM 900 Phi=90deg



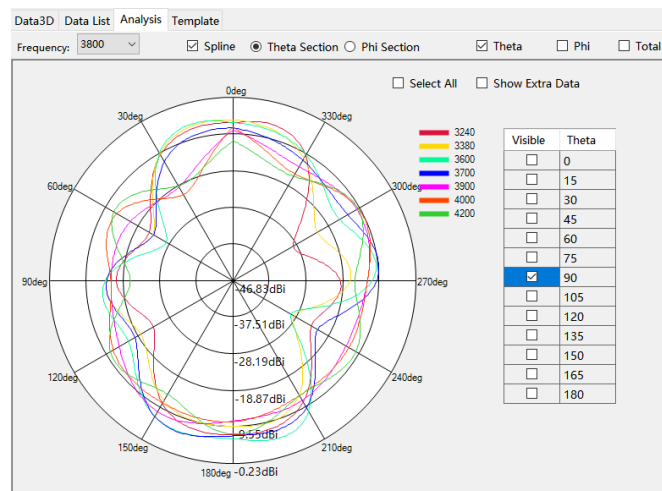
NR 8 /LTE B8/WCDMA B8/ GSM 900 Theta=90deg



NR 77/78 LTE B42 Phi=0deg

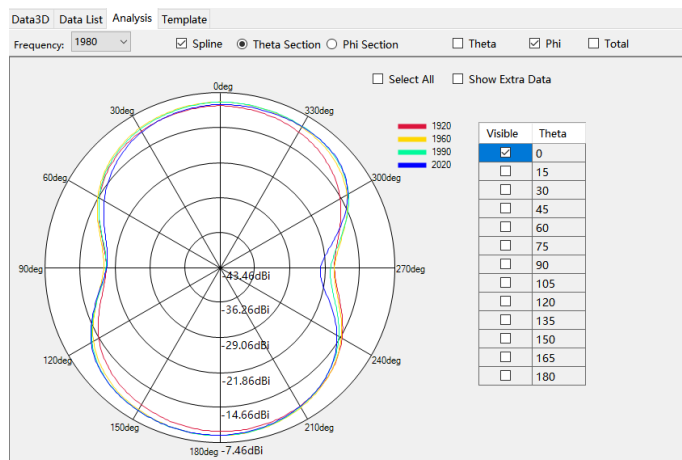


NR 77/78 LTE B42 Phi=90deg

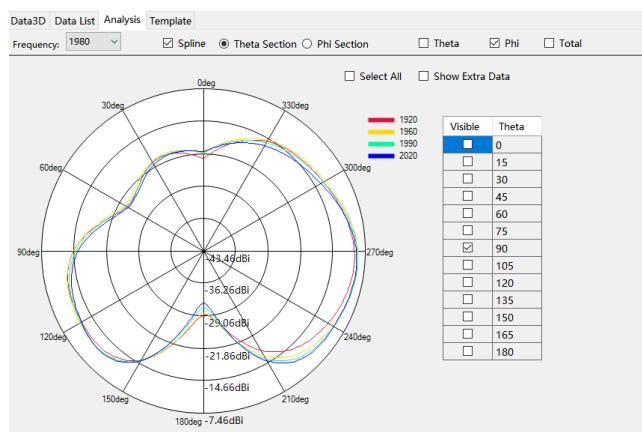


NR 77/78 LTE B42 Theta=90deg

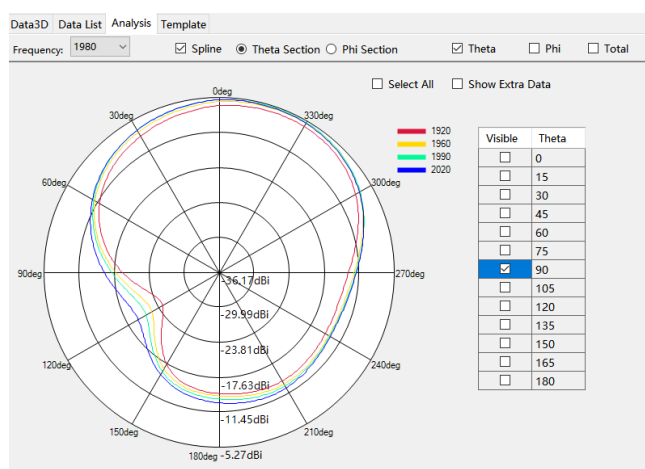
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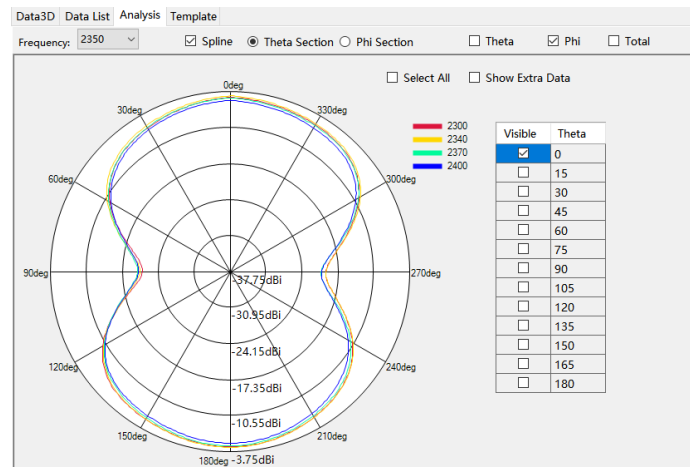
LTE B1/B4/B66 NR n1/n66 Phi=0deg



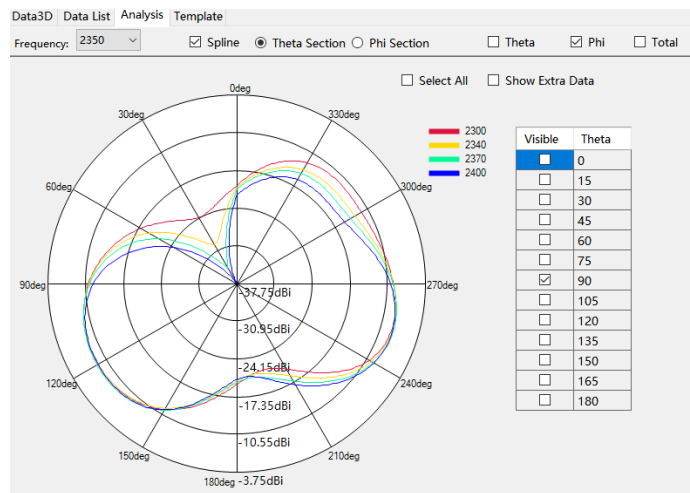
LTE B1/B4/B66 NR n1/n66 Phi=90deg



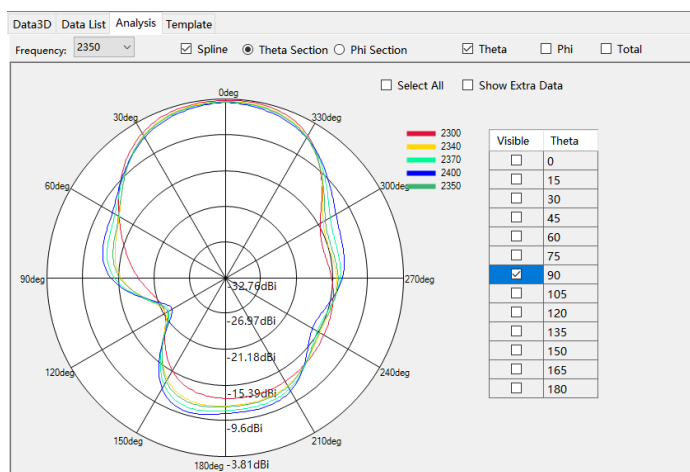
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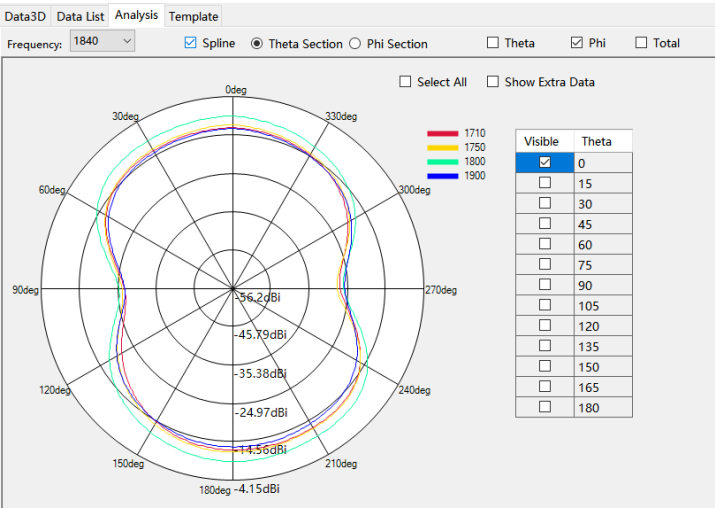
LTE B40 NR n40 —Phi=0deg



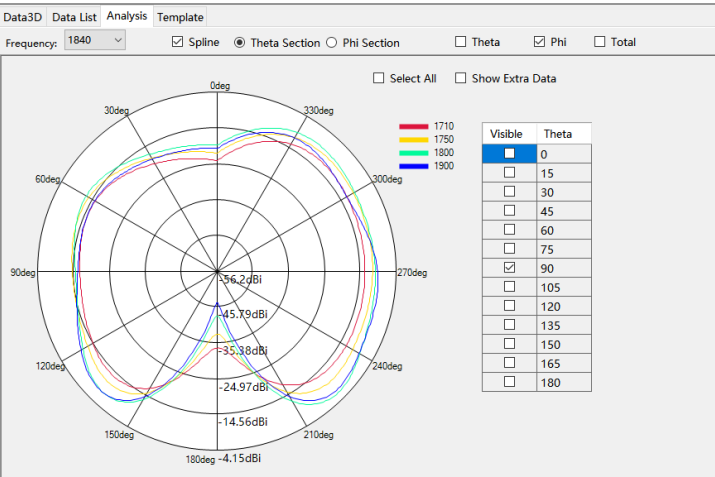
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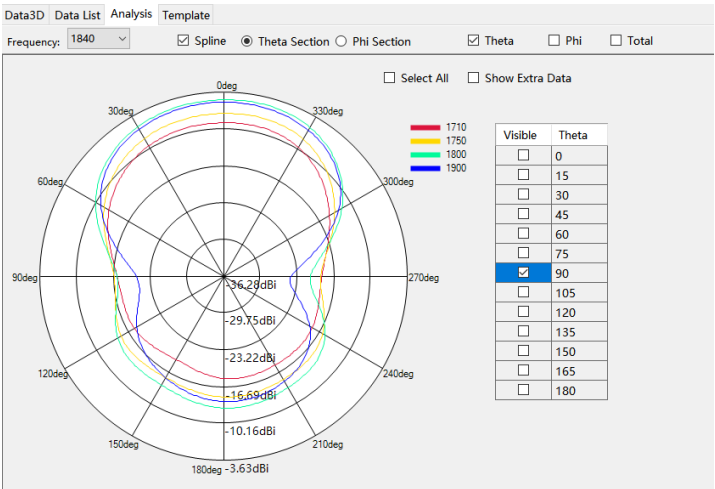
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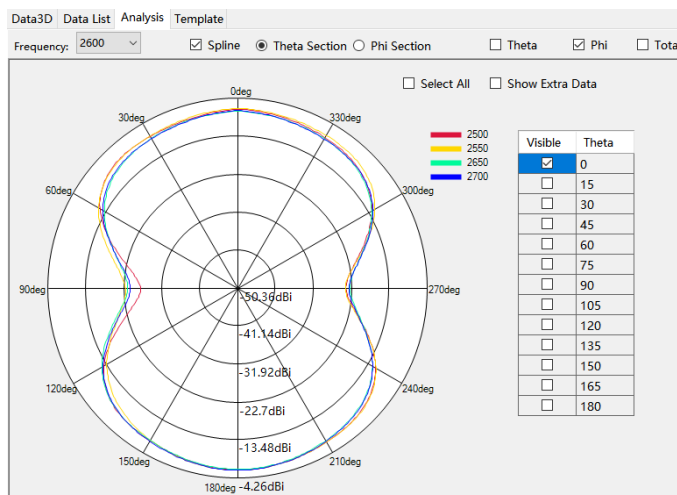
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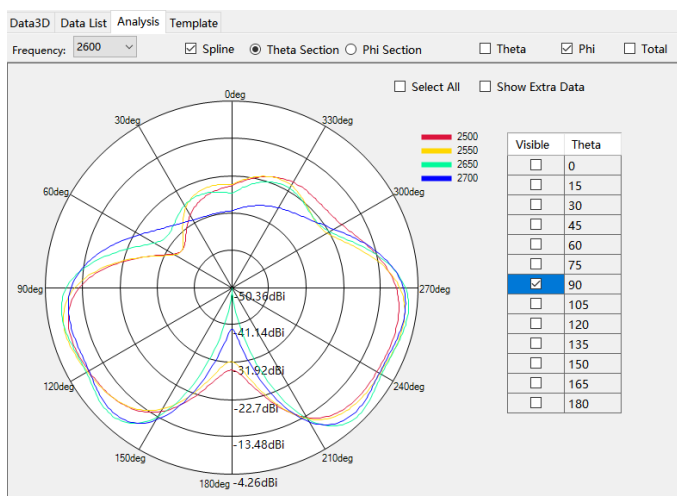
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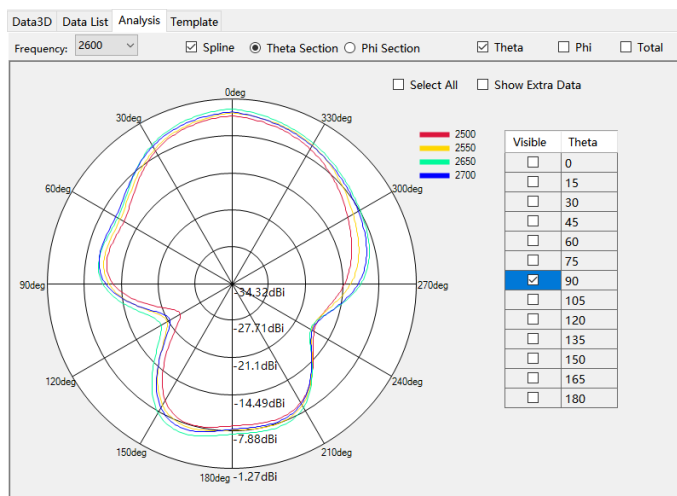
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LTE B7/ B41/B38 NR n7/n41/n38 Phi=0deg

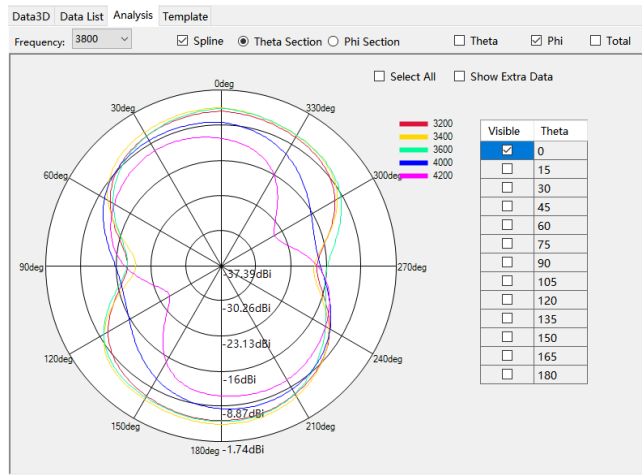


LTE B7/ B41/B38 NR n7/n41/n38 Phi=90deg

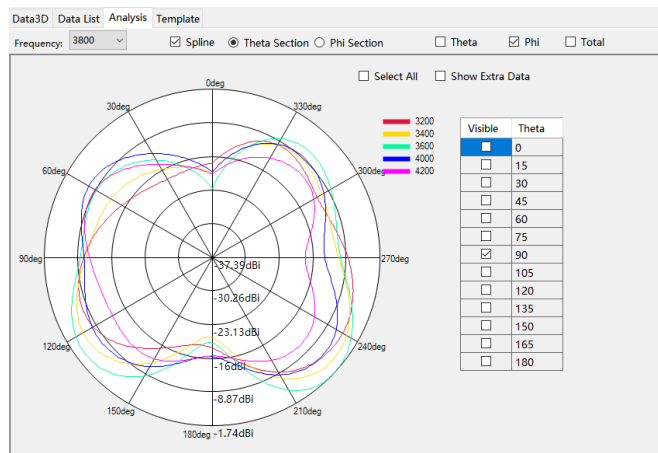


LTE B7/ B41/B38 NR n7/n41/n38 Theta=90deg

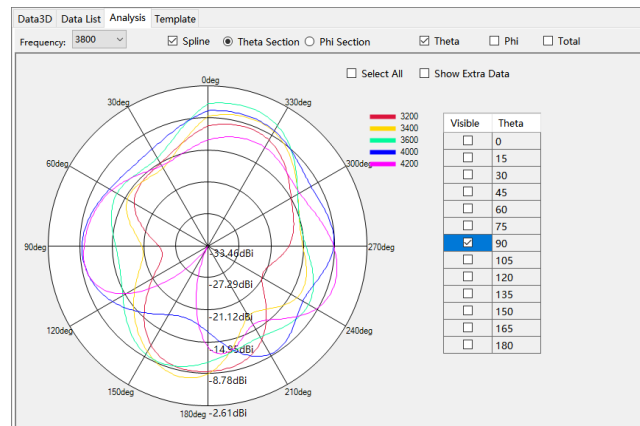
※ Antenna Gain ANT5



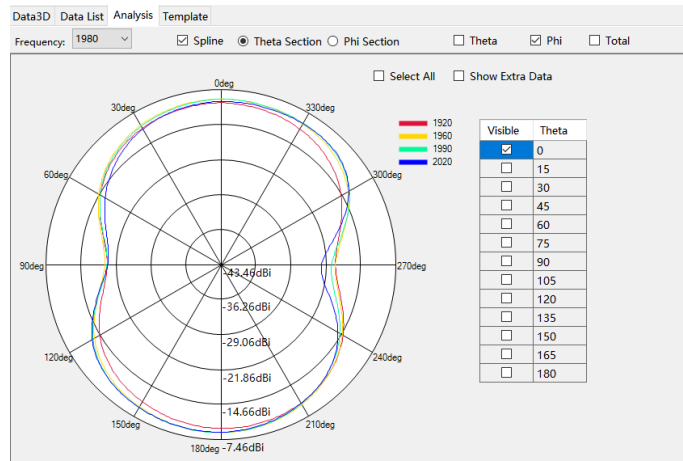
NR n77/78 /LTE B42 Phi=0deg



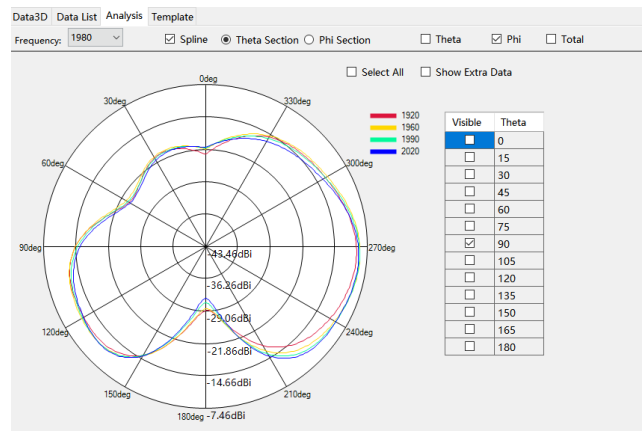
NR n77/78 /LTE B42 Phi=90deg



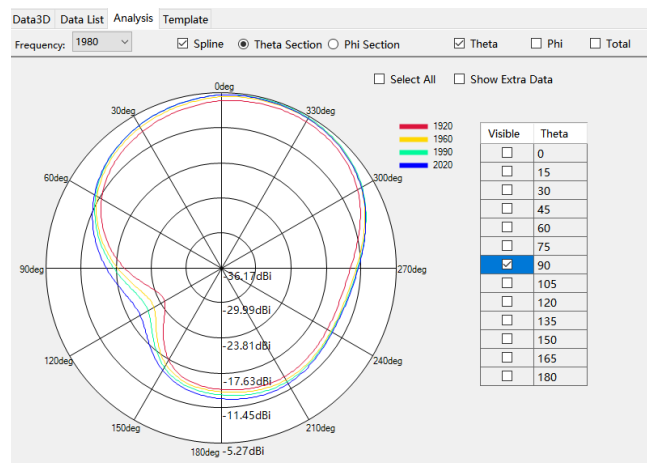
NR n77/78 /LTE B42 Theta=90deg



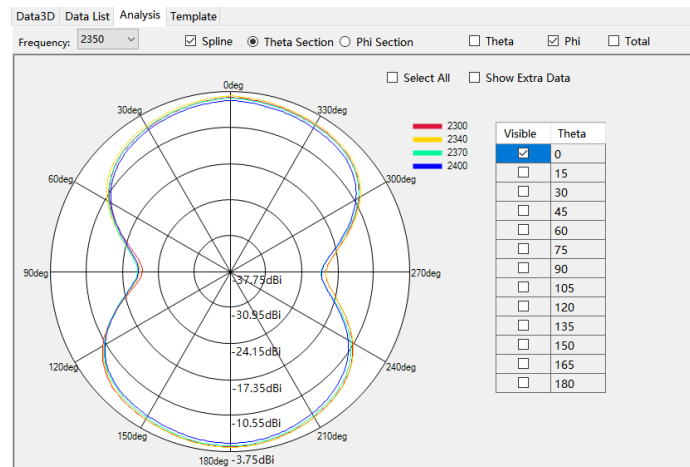
PCS/WCDMA B1/B2 LTE B1/B2/ NR n1 Phi=0deg



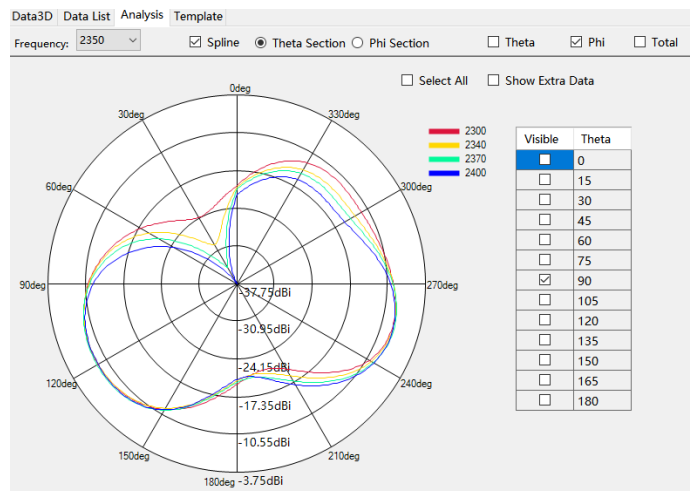
PCS/WCDMA B1/B2 LTE B1/B2/ NR n1 Phi=90deg



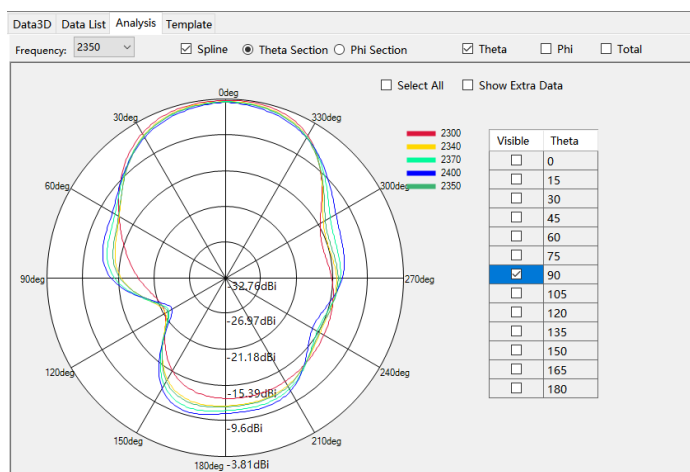
PCS/WCDMA B1/B2 LTE B1/B2/ NR n1 Theta=90deg



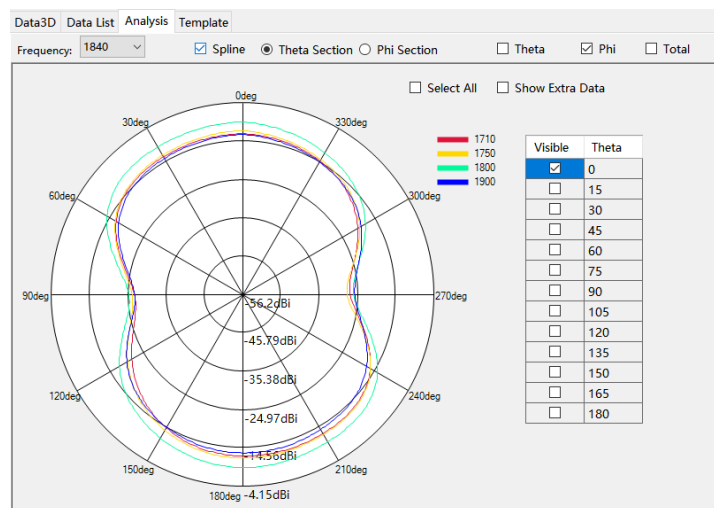
LTE B40 NR n40 —Phi=0deg



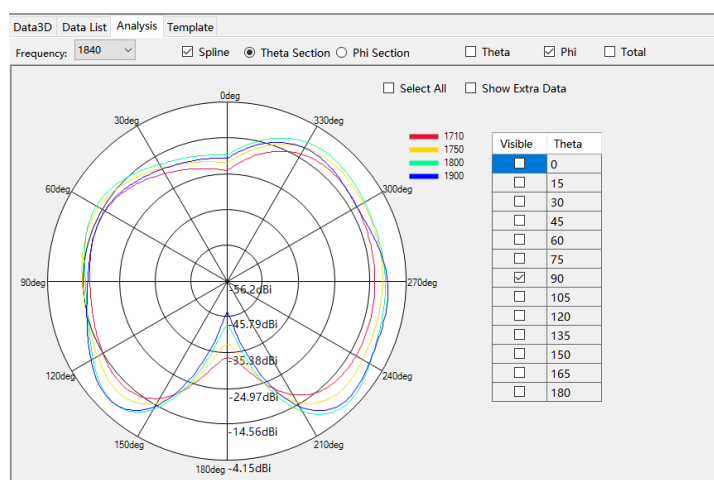
LTE B40 NR n40 —Phi=90deg



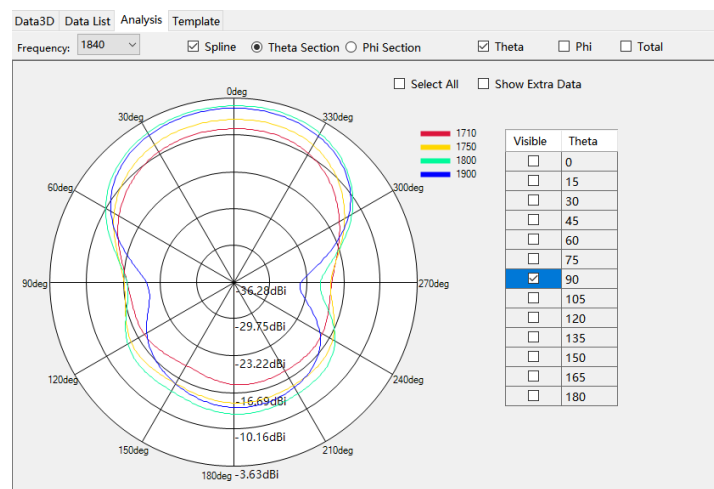
LTE B40 NR n40 —Theta=90deg



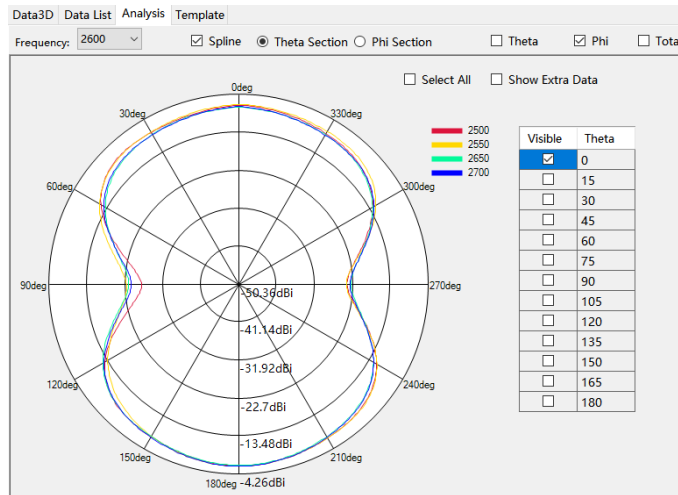
DCS/WCDMA B4 /LTE B3/B4/B66 /NR n3/n66 Phi=0deg



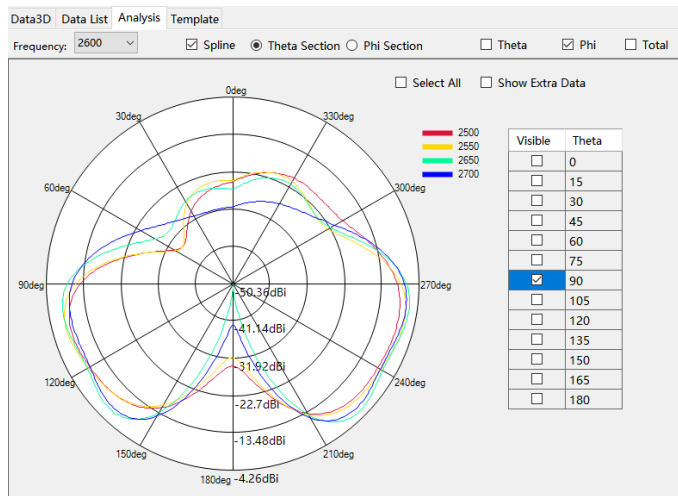
DCS/WCDMA B4 /LTE B3/B4/B66 /NR n3/n66 Phi=90deg



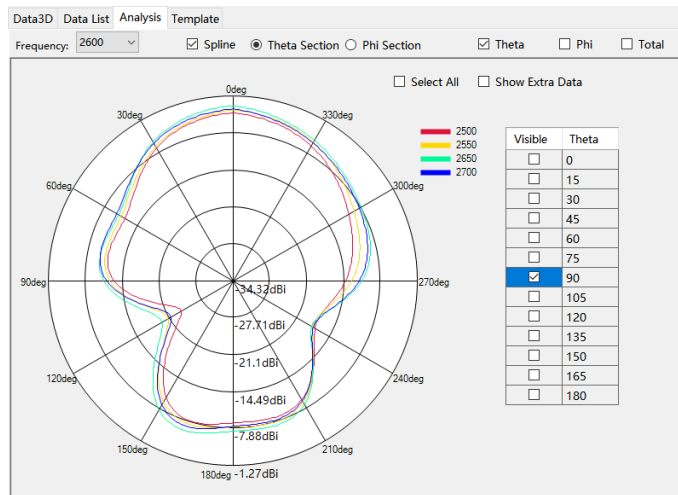
DCS/WCDMA B4 /LTE B3/B4/B66 /NR n3/n66 Theta=90deg



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

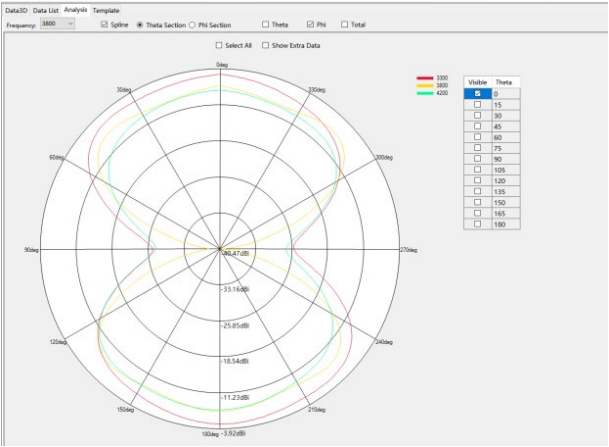


LTE B7/ B41/B38 NR n7/n41/n38 Phi=90deg

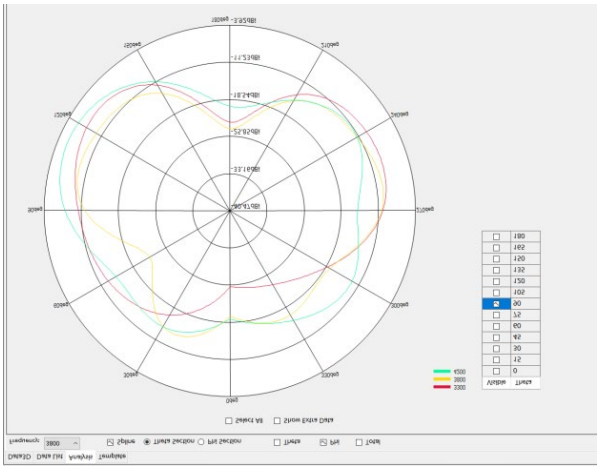


LTE B7/ B41/B38 NR n7/n41/n38 Theta=90deg

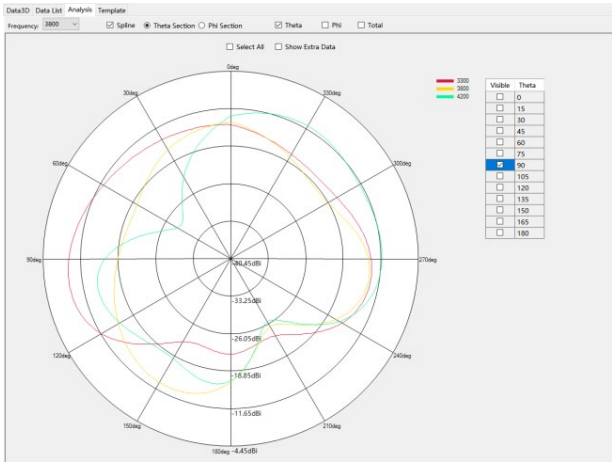
※ Antenna Gain
ANT6



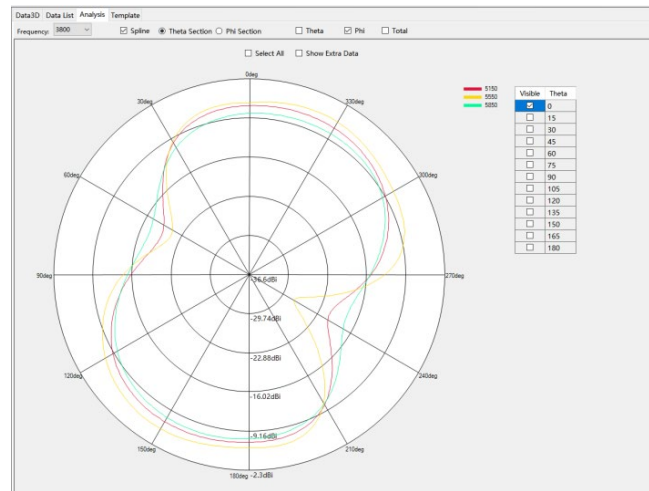
LTEB42 NRN77/78 Phi=0deg



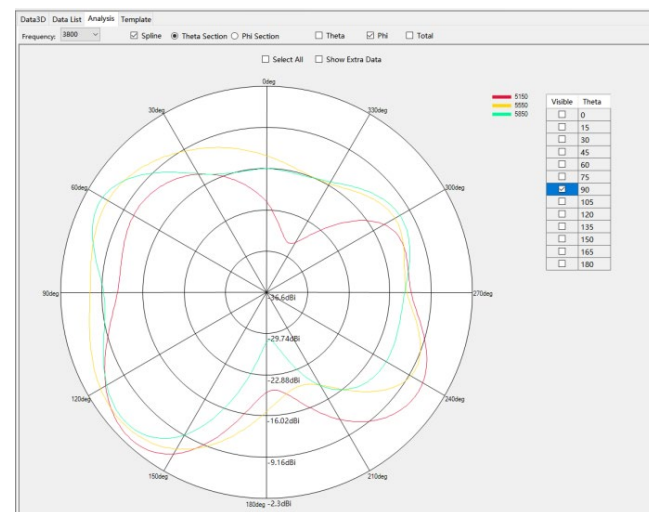
LTEB42 NRN77/78 Phi=90deg



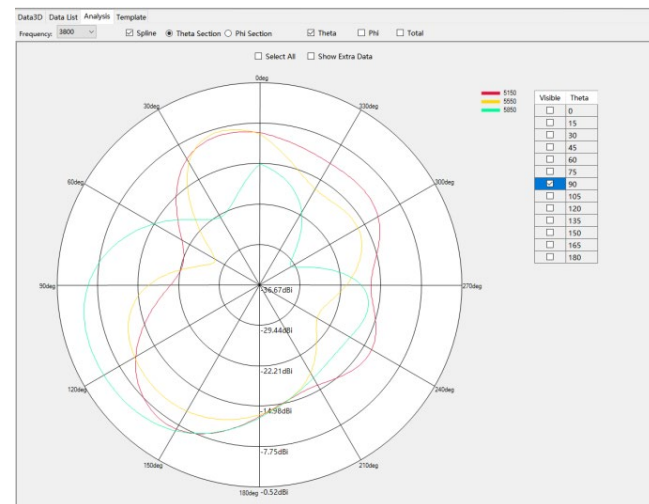
LTEB42 NRN77/78 Theta=90deg



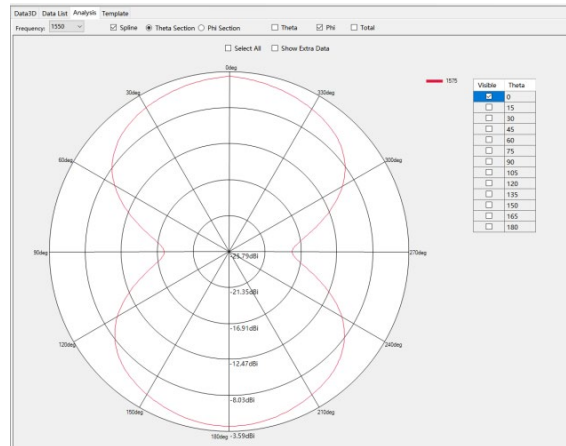
WIFI 5G Phi=0deg



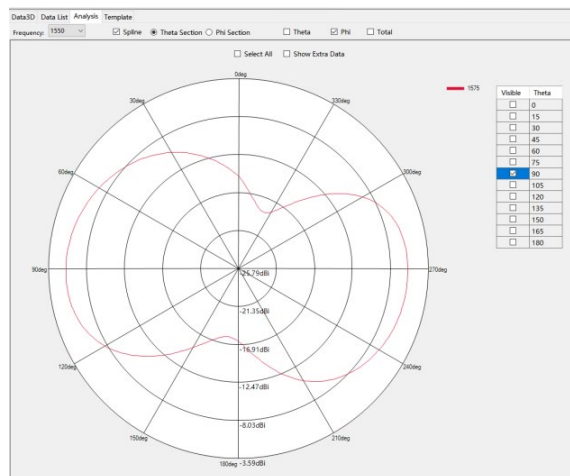
WIFI 5G Phi=90deg



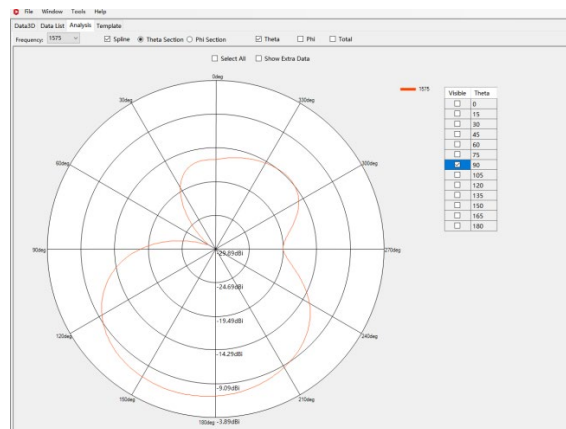
WIFI 5G Theta=90deg



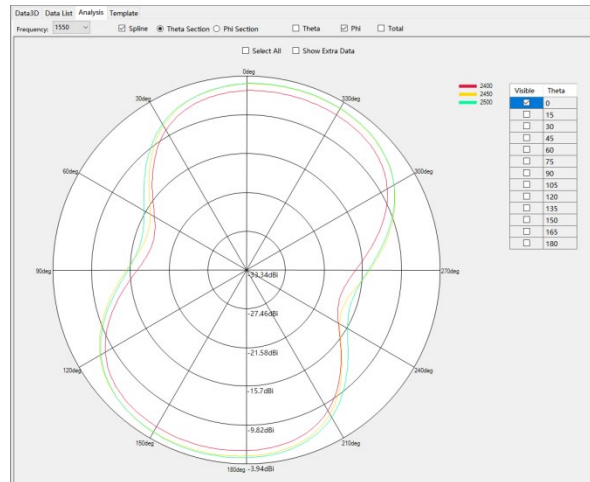
GPS(L1) Phi=0deg



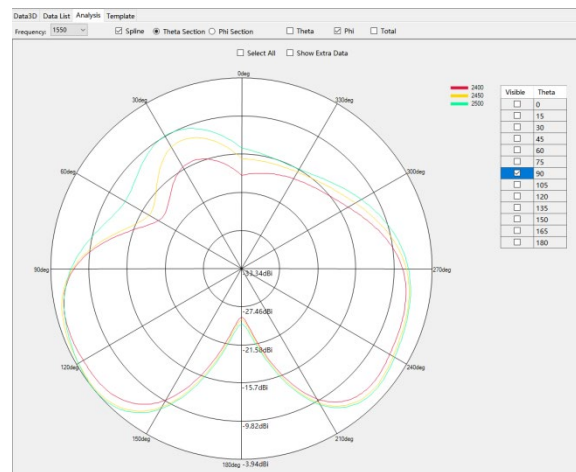
GPS(L1) Phi=90deg



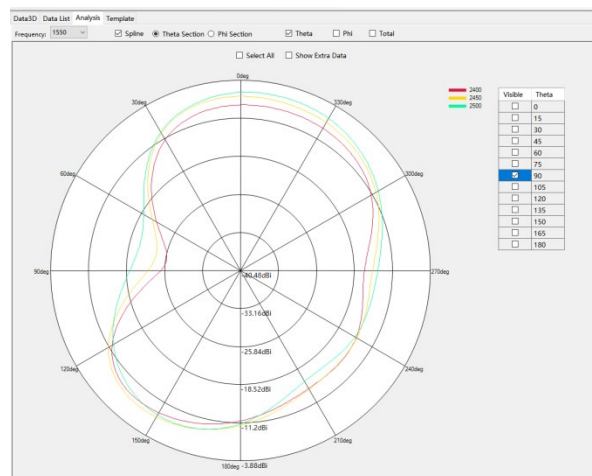
GPS(L1) Theta=90deg



WIFI 2.4G/BT Phi=0deg



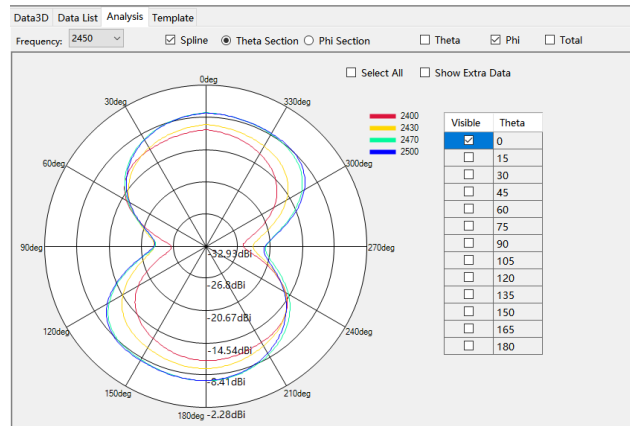
WIFI 2.4G/BT Phi=90deg



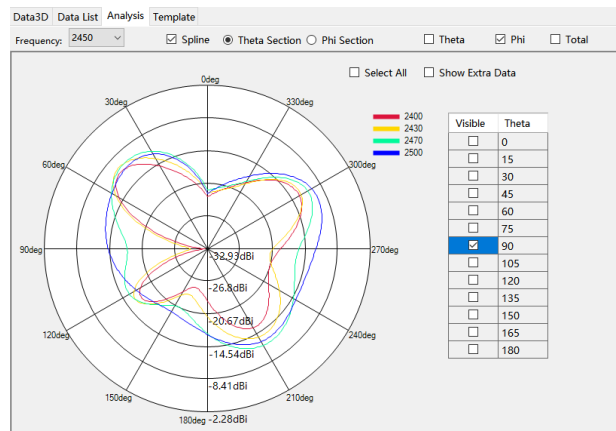
WIFI 2.4G/BT Theta=90deg

※ Antenna Gain

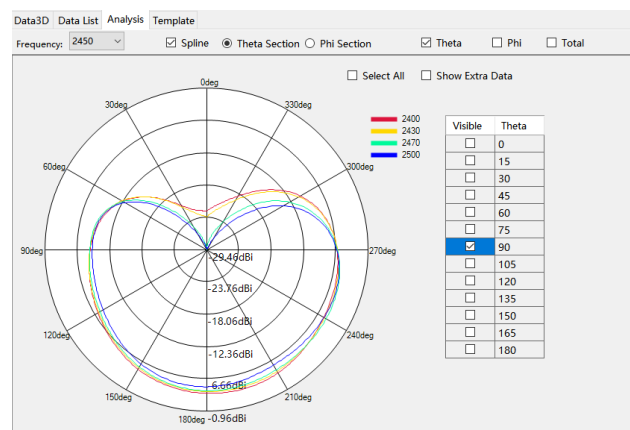
ANT13



WIFI 2.4G/BT Phi=0deg



WIFI 2.4G/BT Phi=90deg



WIFI 2.4G/BT Theta=90deg

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
			DATE:	2025/09/15

※Antenna picture

