

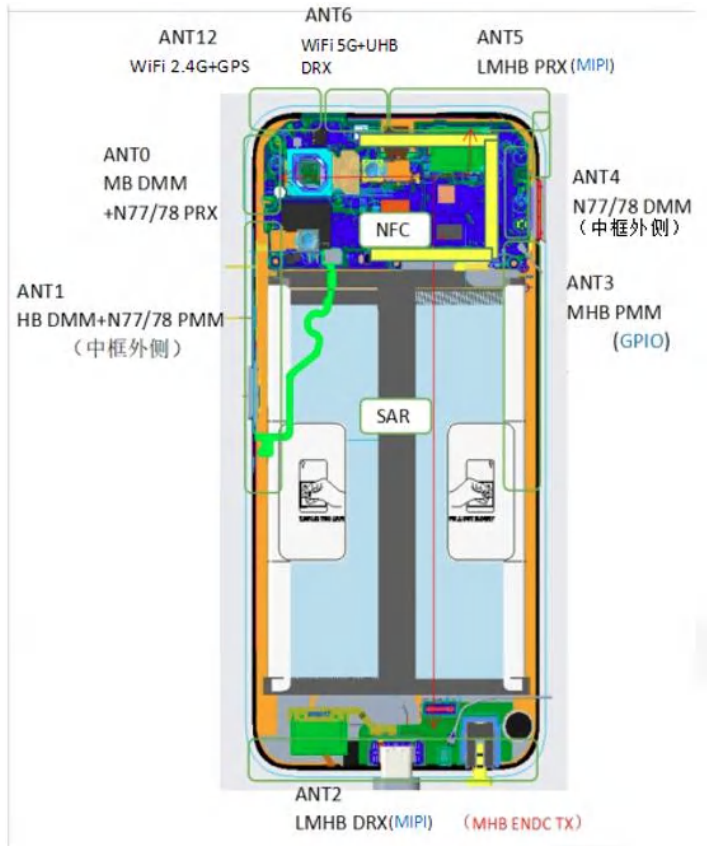
Electric Specifications

TYPE	
Transmitter /Received Frequency	GSM850: 824-849MHz (TX), 869-894MHz (RX) E-GSM900: 880-915MHz (TX), 925-960MHz (RX) DCS1800: 1710-1785MHz (TX), 1805-1880MHz (RX) PCS1900: 1850-1910MHz (TX), 1930-1990MHz (RX) WCDMA BANDI: 1920-1980MHz (TX), 2110-2170MHz (RX) WCDMA BANDII: 1850-1910MHz (TX), 1930-1990MHz (RX) WCDMA BANDIII: 1710-1755MHz (TX), 2110-2155MHz (RX) WCDMA BANDV: 824-849MHz (TX), 869-894MHz (RX) WCDMA BANDVIII: 880-915MHz (TX), 925-960MHz (RX) LTE BAND1: 1920-1980MHz (TX), 2110-2170MHz (RX) LTE BAND2: 1850-1910MHz (TX), 1930-1990MHz (RX) LTE BAND3: 1710-1785MHz (TX), 1805-1880MHz (RX) LTE BAND4: 1710-1755MHz (TX), 2110-2155MHz (RX) LTE BAND5: 824-849MHz (TX), 869-894MHz (RX) LTE BAND7: 2500-2570MHz (TX), 2620-2690MHz (RX) LTE BAND8: 880-915MHz (TX), 925-960MHz (RX) LTE BAND12: 699-716MHz (TX), 729-746MHz (RX) LTE BAND13: 777-787 MHz (TX), 746 -756MHz (RX) LTE BAND17: 704-716MHz (TX), 734-746MHz (RX) LTE BAND20: 832-862MHZ (TX), 791-821MHZ (RX) LTE BAND28A: 703-733MHZ (TX), 758-788MHZ (RX) LTE BAND28B: 718-748MHZ (TX), 773-803MHZ (RX) LTE BAND66: 1710-1780MHZ (TX), 2110-2200MHZ (RX) LTE BAND38: 2570.0-2620MHZ (TX), 2570.0-2620MHZ (RX) LTE BAND40: 2300-2400MHZ (TX), 2300-2400MHZ (RX) LTE BAND41: 2496-2690MHZ (TX), 2496-2690MHZ (RX) LTE BAND42: 3400-3600MHZ (TX), 3400-3600MHZ (RX) LTE BAND43: 3600-3800MHZ (TX), 3600-3800MHZ (RX) LTE BAND48: 3500-3700MHZ (TX), 3500-3700MHZ (RX) NR N1: 1920-1980MHz (TX), 2110-2170MHz (RX) NR N3: 1710-1785MHz (TX), 1805-1880MHz (RX) NR N5: 824-849MHz (TX), 869-894MHz (RX) NR N7: 2500-2570MHz (TX), 2620-2690MHz (RX) NR N8: 880-915MHz (TX), 925-960MHz (RX) NR N12: 699-716MHz (TX), 729-746MHz (RX) NR N20: 832-862MHZ (TX), 791-821MHZ (RX) NR N28A: 703-733MHZ (TX), 758-788MHZ (RX) NR N28B: 718-748MHZ (TX), 773-803MHZ (RX) NR N66: 1710-1780MHZ (TX), 2110-2200MHZ (RX)

	NR N38: 2570.0-2620MHZ (TX), 2570.0-2620MHZ (RX) NR N40: 2300-2400MHZ (TX), 2300-2400MHZ (RX) NR N41: 2496-2690MHZ (TX), 2496-2690MHZ (RX) NR N48: 3500-3700MHZ (TX), 3500-3700MHZ (RX) NR N77: 3300-4200MHZ (TX), 3300-4200MHZ (RX) NR N78: 3300-3800MHZ (TX), 3300-3800MHZ (RX)
RF-Output Power (E. I. R. P)	GSM850: PCL = 5, PWR = 32.5 ± 2 dBm GSM900: PCL = 5, PWR = 32.5 ± 2 dBm DCS1800: PCL = 0, PWR = 29.5 ± 2 dBm DCS1900: PCL = 0, PWR = 29.5 ± 2 dBm WCDMA B1/2/4/5/8: PWR = $23 + 1.7/-3$ dBm LTE B1/2/3/4/5/7/8/12/13/17/20/28A/28B/66/38/40/41/42/43/48: 23 ± 2 dBm NR N1/3/5/7/8/12/20/28A/28B/66/38/40/41/48: $23\text{dBm}+2\text{dB/-2dB}$ NR N77/78 PC2: $26\text{dBm}+2.0\text{dB/-2.0dB}$ Bluetooth BR: $13\text{ dBm}\pm 2\text{dBm}$ Bluetooth EDR: $12\text{ dBm}\pm 2\text{dBm}$ Bluetooth BLE: $13\text{ dBm}\pm 2\text{dBm}$ 2.4G WIFI: 11 B: $\text{max } 18\text{ dBm}\pm 2\text{dBm}$ 11 G: $\text{max } 16\text{ dBm}\pm 2\text{dBm}$ 11 N20: $\text{max } 15\text{ dBm}\pm 2\text{dBm}$ 5G WIFI: 各制式下最低速率 11 A: $\text{max } 16\text{ dBm}\pm 2\text{dBm}$ 11 N: $\text{max } 17\text{ dBm}\pm 2\text{dBm}$ 11 AC: $\text{max } 16\text{ dBm}\pm 2\text{dBm}$
Antenna Gain(Peak Gain)	LTE 12/13/17/28 NR 28: -2.48dBi GSM850/WCDMA B5/LTE B5/20 NR B5/N20: -2.31dBi GSM 900/WCDMA B8/LTE B8 NR B8: -2.06dBi DCS 1800/WCDMA B4/LTE B3/4 NR B3/66/4: -0.97dBi WCDMA B1/LTE B1 NR B1: -2.88dBi PCS 1900/WCDMA B2/LTE B2: -1.72dBi LTEB7/38/41 NR B7/38/41: -0.15dBi LTE B40 NR 40: -1.22dBi GPS: -1.59dBi BT/WIFI 2.4G: -0.37dBi WIFI 5G: -0.08dBi LTE B42/43/48 NR B48/77/78: -0.43dBi GMSK, 8PSK(DL Only) (GSM) QPSK,16QAM,64QAM(WCDMA/dual-cell HSDPA/HSUPA) QPSK, 16-QAM, 64-QAM,256-QAM (LTE) PI/2 BPSK,QPSK, 16-QAM, 64-QAM,256-QAM (NR)

	GFSK, $\pi/4$ -DQPSK, 8-DPSK (BT) BPSK/QPSK/16QAM/64QAM/DSSS/CCK/OFDM for 802.11b/g/n/a/ac (WiFi) BPSK (GPS)
Type of Modulation	

Antenna size



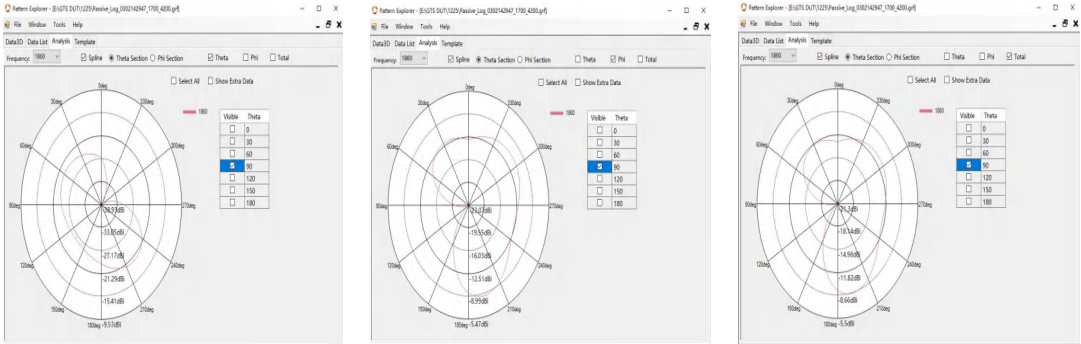
Antenna	Support Band
ANT0 MB DM+UHB TRX	4G: B1 3 4 66 42 43 48 5G: n1 n3 n66 n48 n77 n78
ANT1 HB DM+UHB PM	4G: B7 38 40 41 42 43 48 5G: n7 n38 n40 n41 n48 n77 n78

ANT2 LMHB DRX	2G: B2 3 5 8 3G: B1 2 4 5 8 4G: B1 2 3 4 5 7 8 12 13 17 20 28 66 38 40 41 (full) 5G: n1 n3 n5 n7 n8 n12 n20 n28 n66 n38 n40 n41
ANT3 MHB PM	4G: B1 3 4 7 66 38 40 41 (full) 5G: n1 n3 n7 n66 n38 n40 n41
ANT4 UHB DM	4G: B42 43 48 5G: n48 n77 n78
ANT5 LMHB TRX	2G: B2 3 5 8 3G: B1 2 4 5 8 4G: B1 2 3 4 5 7 8 12 13 17 20 28 66 38 40 41 (full) 5G: n1 n3 n5 n7 n8 n12 n20 n28 n66 n38 n40 n41
ANT6 UHB DRX+5G WIFI	4G: B42 43 48 5G: n48 n77 n78 WIFI 5G
ANT12 WIFI 2.4+GPS	WIFI 2.4G+GPS

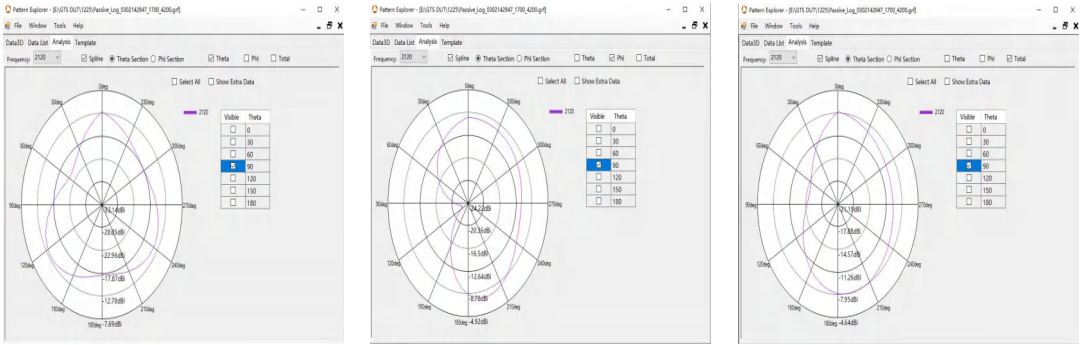
Project Name: X6896 Company: Welletronics Communication Technology Co., LTD. Address: 2nd, and 3rd floors, No. 8 Tongfu Village Industrial Zone, Xinshi Community, Dalang Street, Longhua District, Shenzhen City		
Antenna Name	Model	Part Number
ANT0: DRX MIMO: MB+ TRX: UHB	X6896-ANT0	X6896-ANT0 Antenna
ANT1: DRX MIMO: HB+ RPX MIMO: UHB	X6896-ANT1	X6896-ANT1 Antenna
ANT2: DRX: LMHB	X6896-ANT2	X6896-ANT2 Antenna
ANT3: PRX MIMO: MB&HB	X6896-ANT3	X6896-ANT3 Antenna
ANT4: DRX MIMO: UHB	X6896-ANT4	X6896-ANT4 Antenna
ANT5: TRX: LMHB	X6896-ANT5	X6896-ANT5 Antenna
ANT6: DRX: UHB+5G ANT12: BT/2.4G/GPS	X6896-ANT6&ANT12	X6896-ANT6/12 Antenna
NFC	X6896-NFC	X6896-NFC Antenna

ANT0

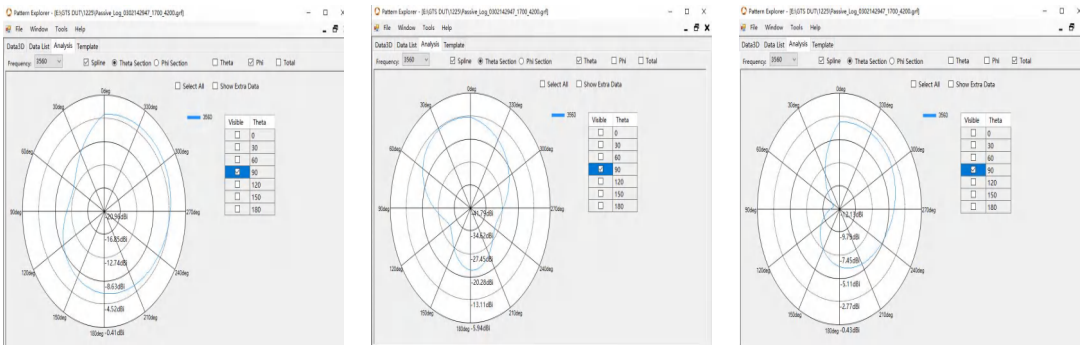
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B3/N3	-11.05



band	Gain
B1/4/66/N1/66	-4.81



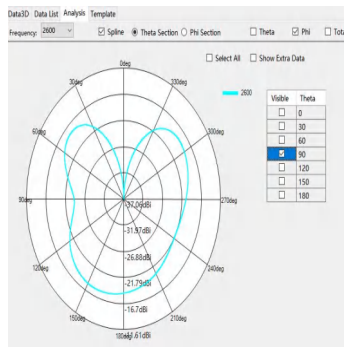
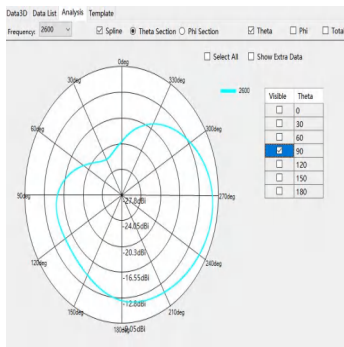
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B42/43/48/N48/77/78	-0.43



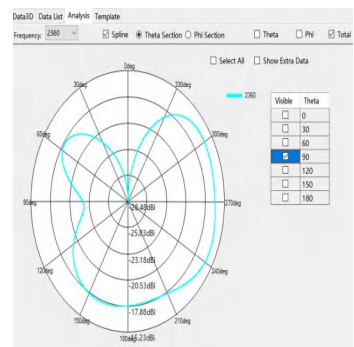
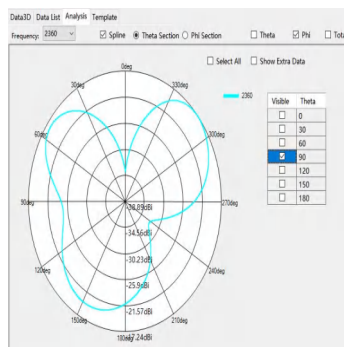
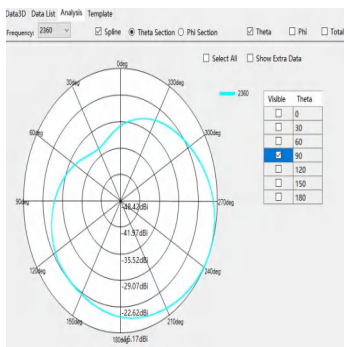
ANT1

band	Gain
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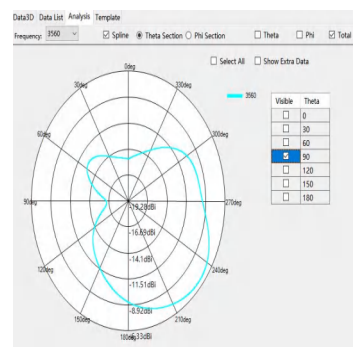
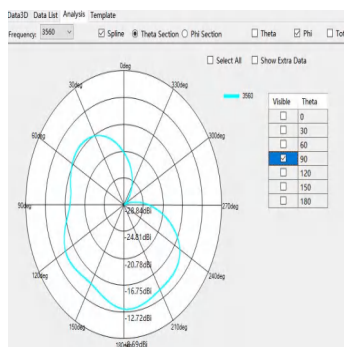
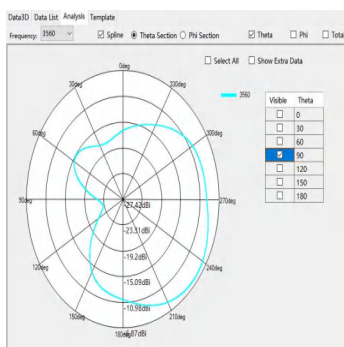
B7/38/41/N7/38/41	-8.74
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band	Gain
B40/N40	-15.23

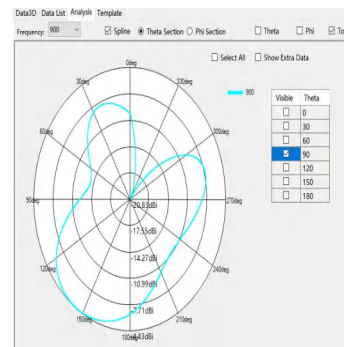
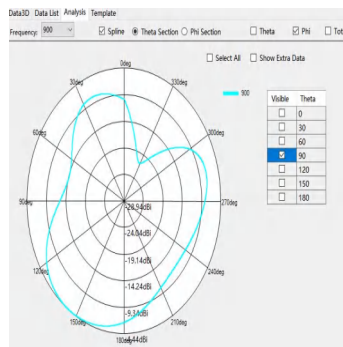
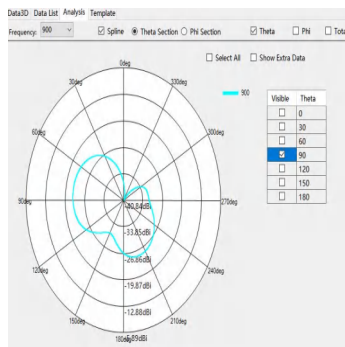


band	Gain
B42/43/48/N48/77/78	-6.84

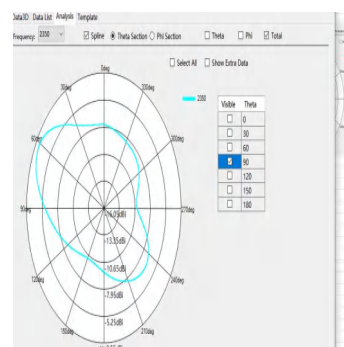
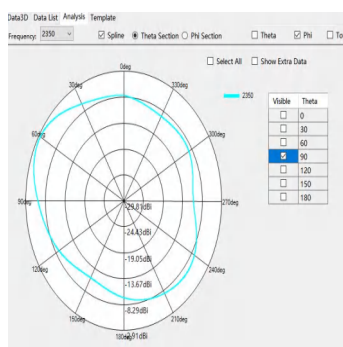
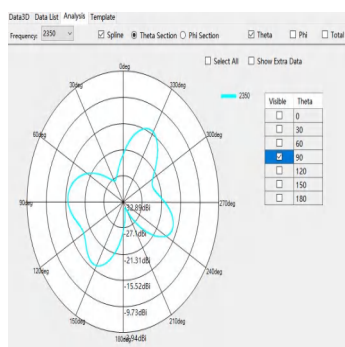


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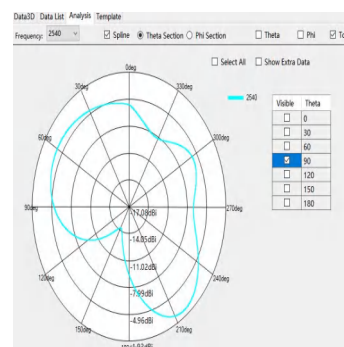
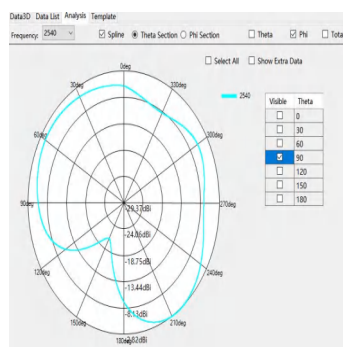
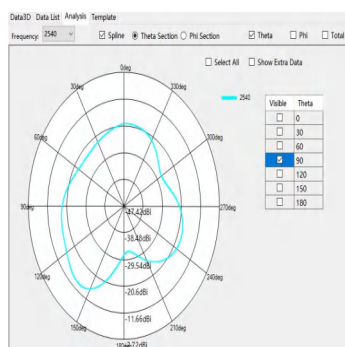
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G900/W8/B8/N8	-4.48



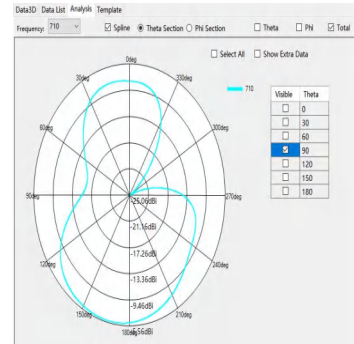
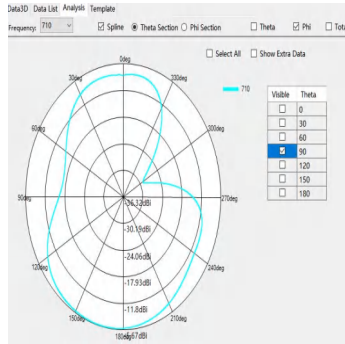
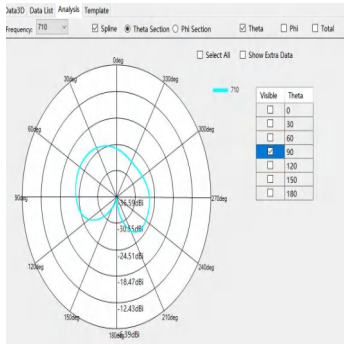
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B40/N40	-2.73



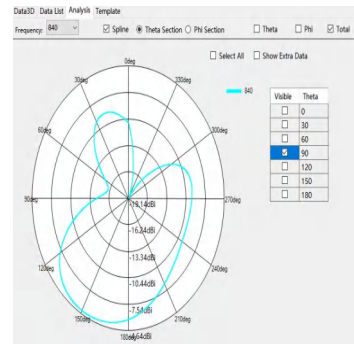
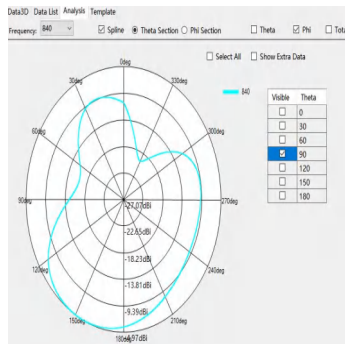
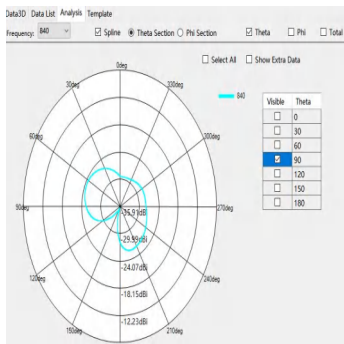
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B7/38/41/N7/38/41	-2.54



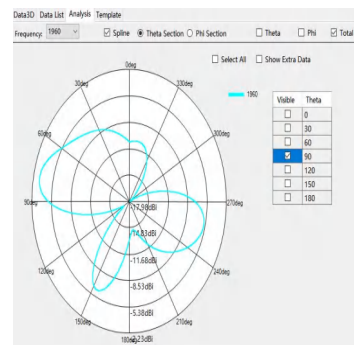
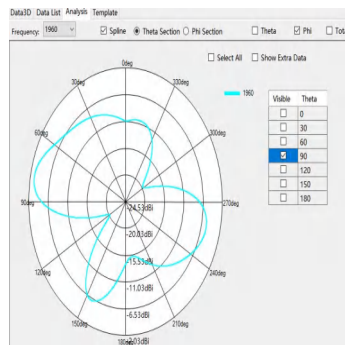
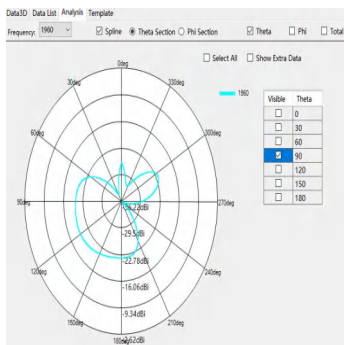
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B12/13/17/28/N12/28	-5.65



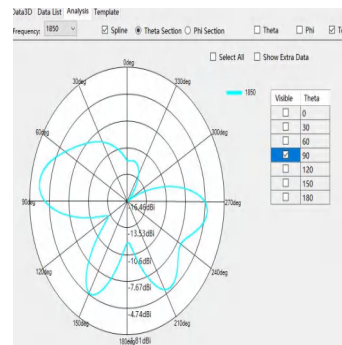
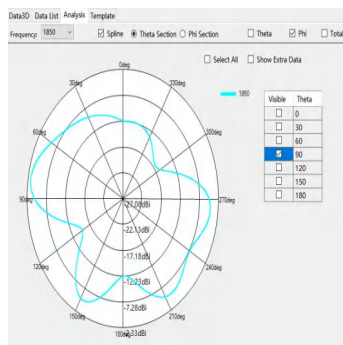
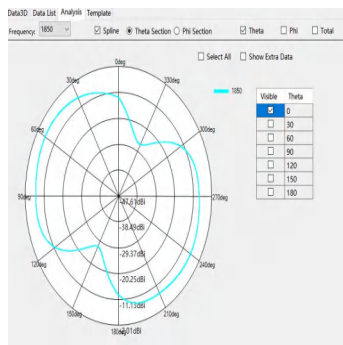
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G850/W5/B5/20/N5/20	-4.66



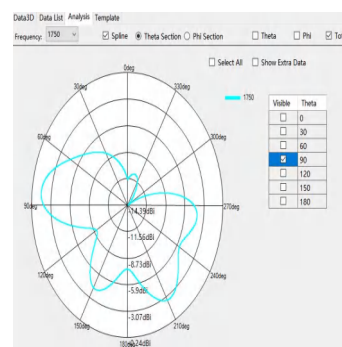
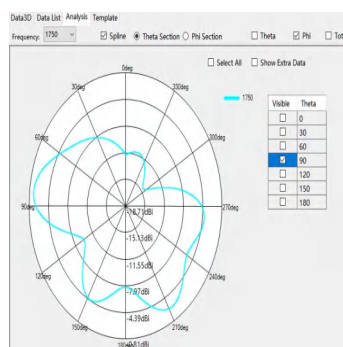
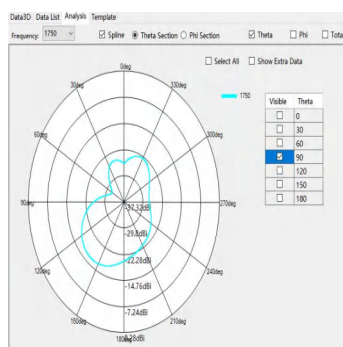
band	Gain
W1/B1/N1	-2.25



band	Gain
G1900/W2/B2/N2	-2

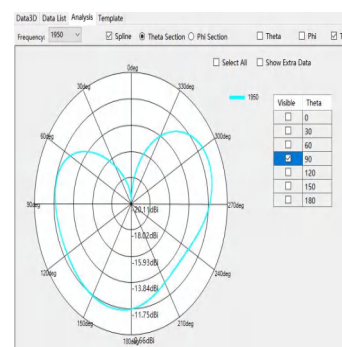
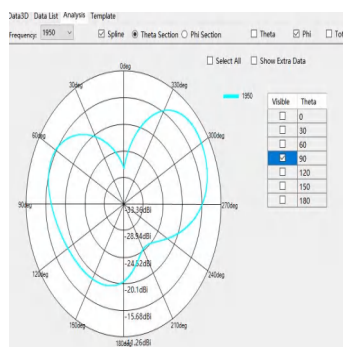
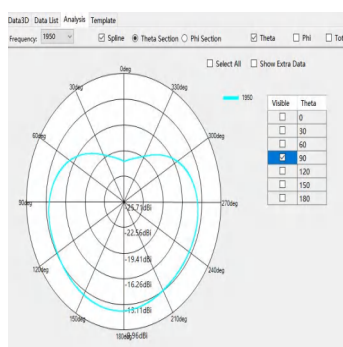


band	Gain
G1800/B3/4/66/N3/66	-0.29

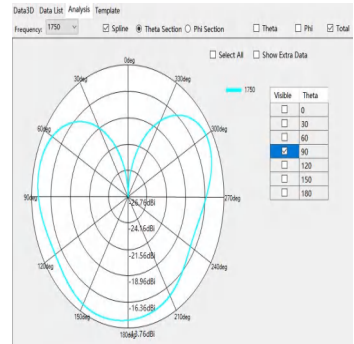
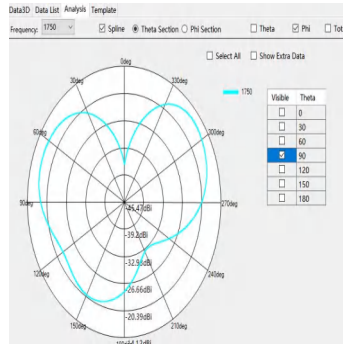
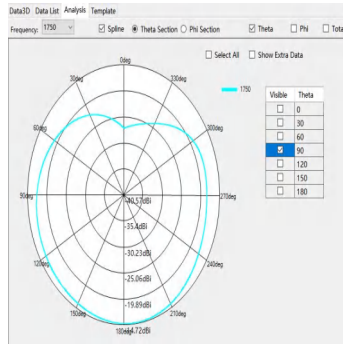


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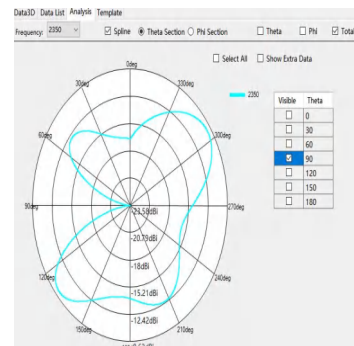
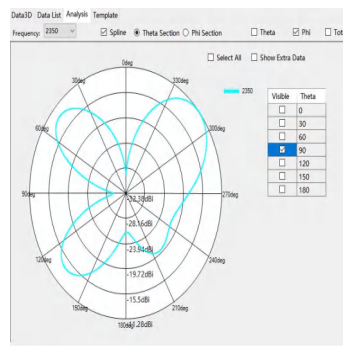
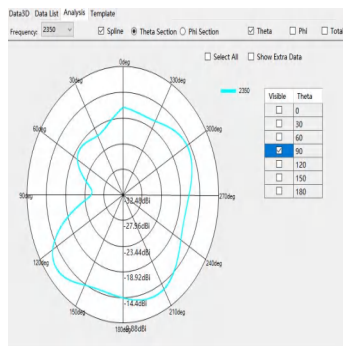
band	Gain
B1/4/66/N1/66	-9.68



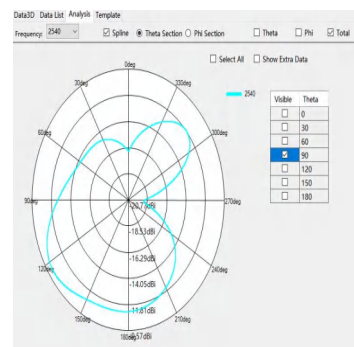
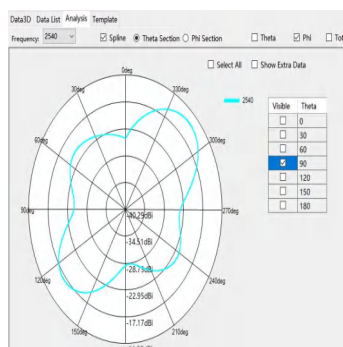
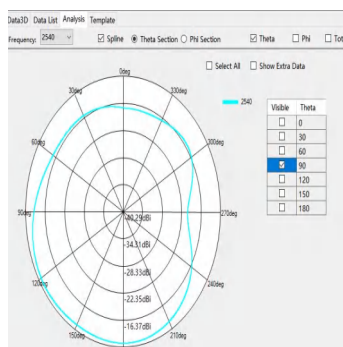
band	Gain
B3/N3	-13.76



band	Gain
B40/N40	-9.64

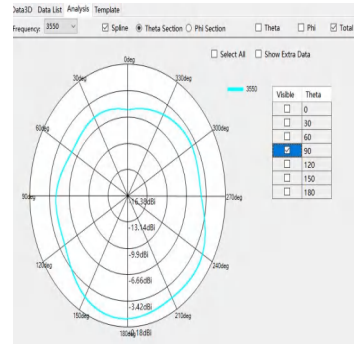
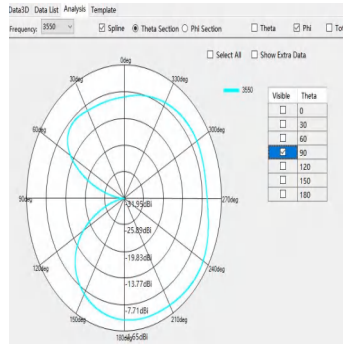
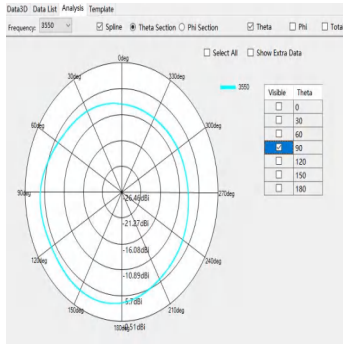


band	Gain
B7/38/41/N7/38/41	-9.69



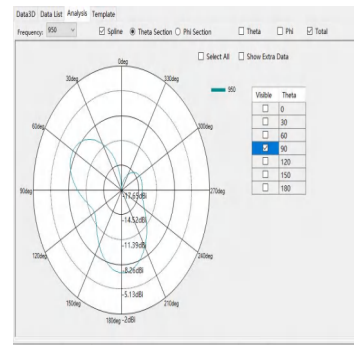
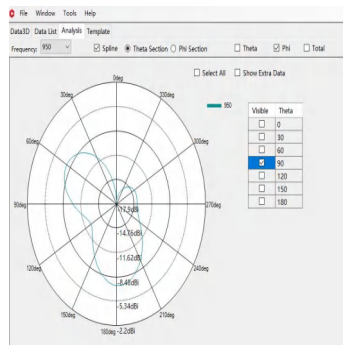
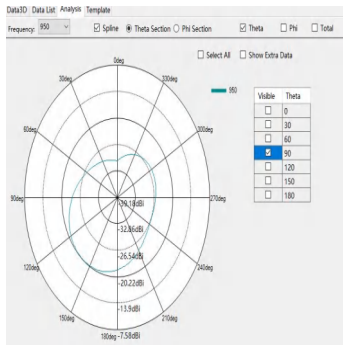
ANT4

band	Gain
B42/43/48/N48/77/78	-0.29

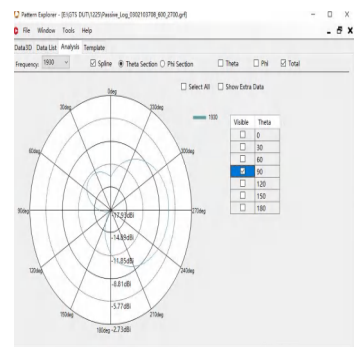
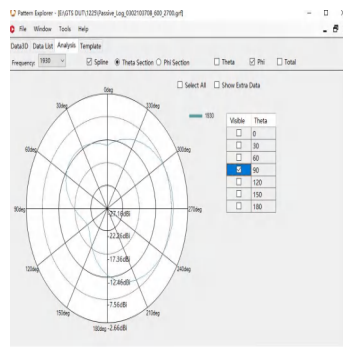
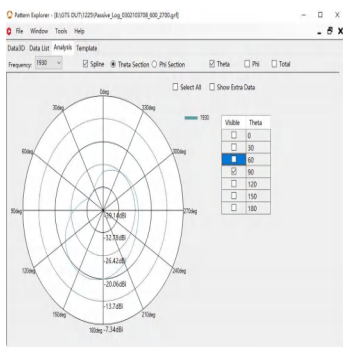


ANT5

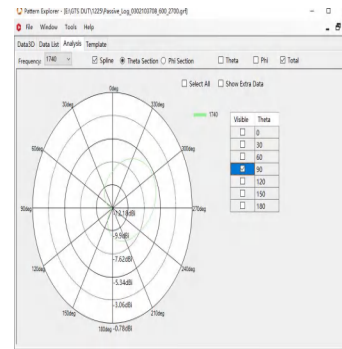
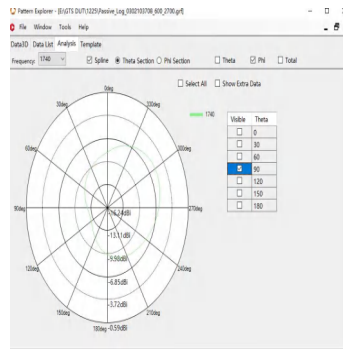
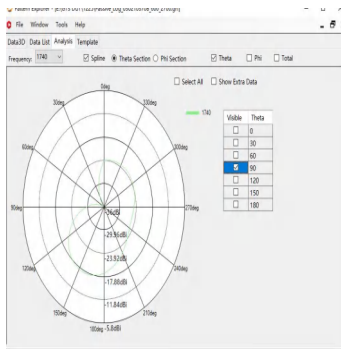
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G900/W8/B8/N8	-2.06



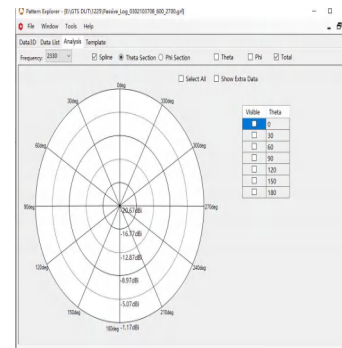
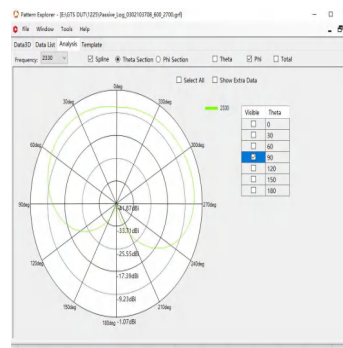
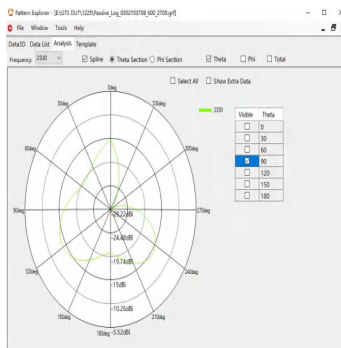
band	Gain
W1/B1/N1	-2.88



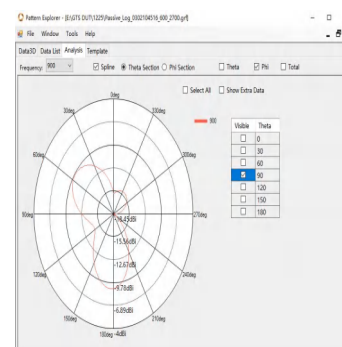
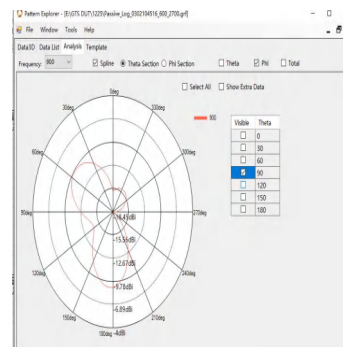
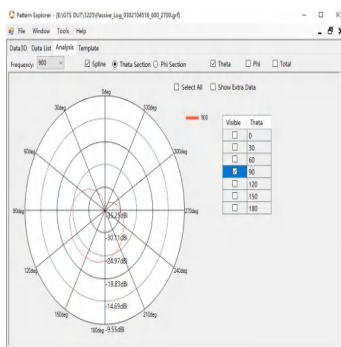
band	Gain
G1800/W4/B3/4/N3	-0.97



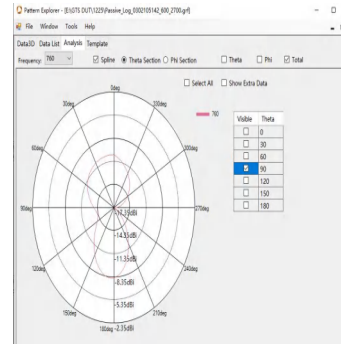
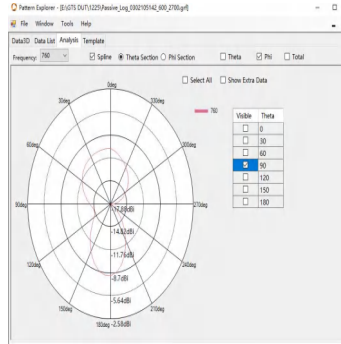
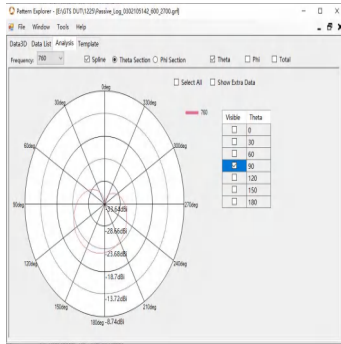
band	Gain
B40/N40	-1.22



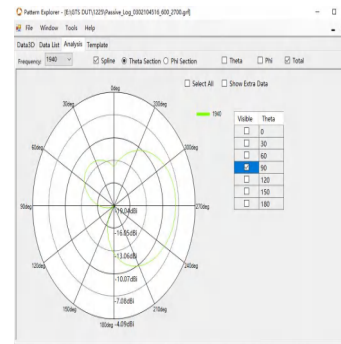
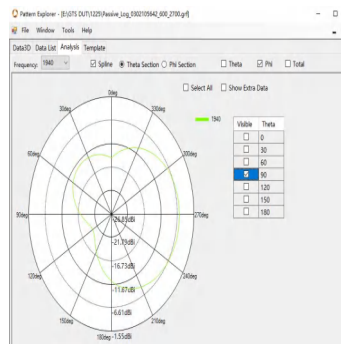
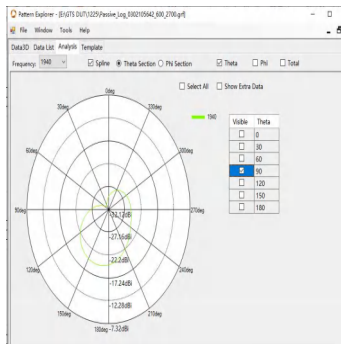
band	Gain
G850/W5/B5/20/N5/20	-2.31



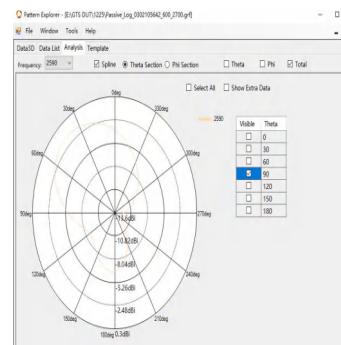
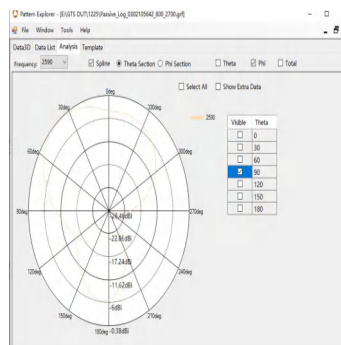
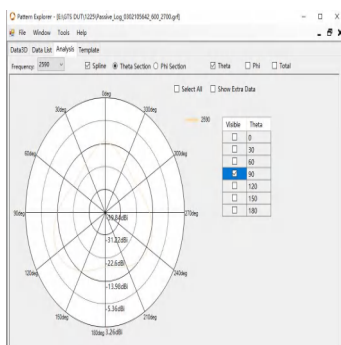
band	Gain
B12/13/17/28/N12/28	-2.48



band	Gain
G1900/W2/B2/N2	-1.72

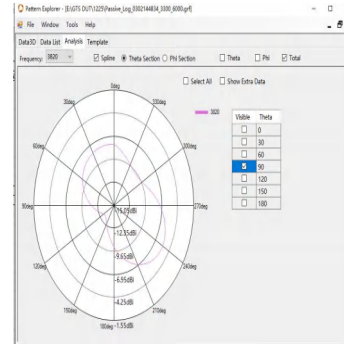
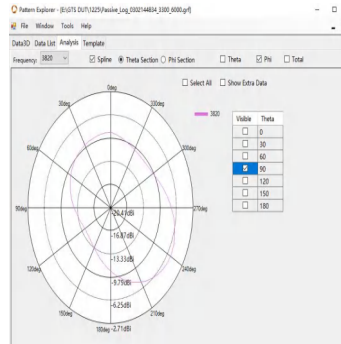
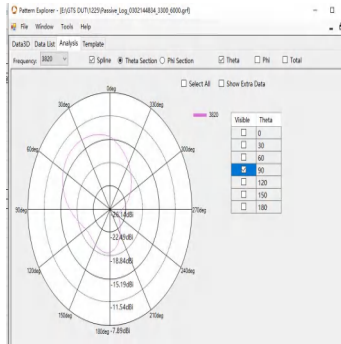


band	Gain
B7/38/41/N7/38/41	-0.15

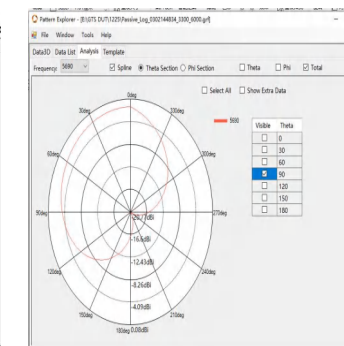
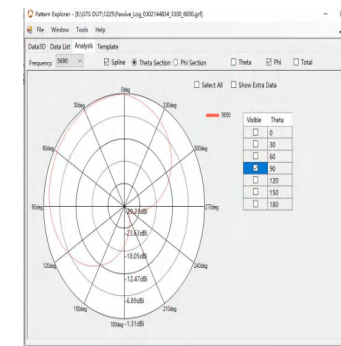
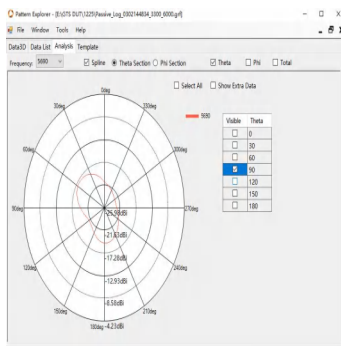


ANT6

band	Gain
B42/43/48/N48/77/78	-1.65

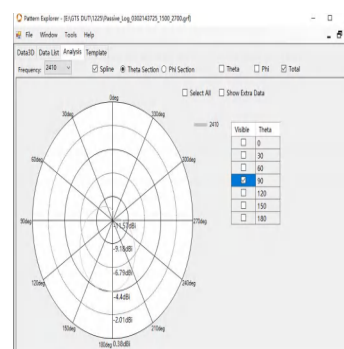
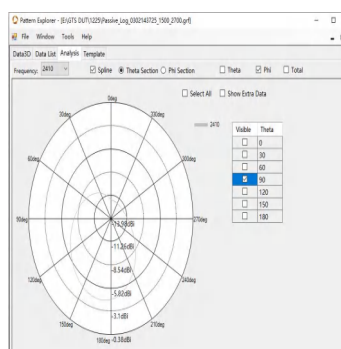
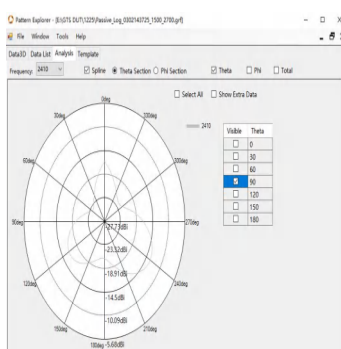


band	Gain
5G WIFI	-0.05

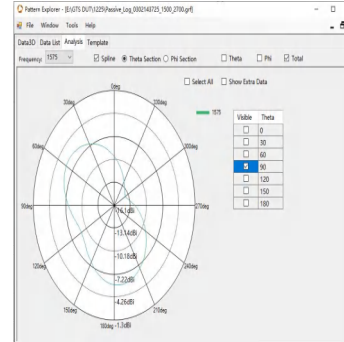
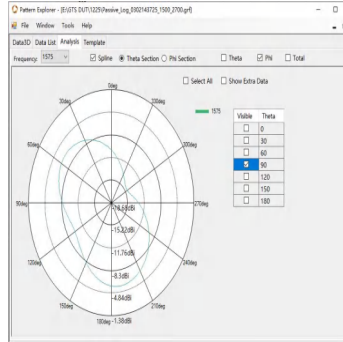
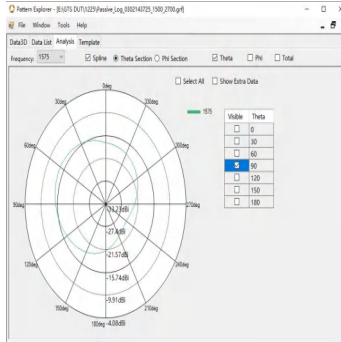


ANT12

band	Gain
2.4G WIFI	-0.37



band	Gain
GPS	-1.59



NFC

