

Electric Specifications

TYPE	
Transmitter Frequency	LTE 28/12/13/17:699-748MHz
	GSM850/WCDMA B5/LTE B5/20/26:824-849MHz
	GSM 900/WCDMA B8/LTE B8:880-915MHz
	DCS 1800/WCDMA B4/LTE B3/4/66:1710-1785MHz
	WCDMA B1/LTE B1:1920-1980MHz
	PCS 1900/WCDMA B2/LTE B2/25:1850-1910MHz
	LTEB7/38/41:2505-2565MHz
	LTE B40:2300-2400MHz
Received Frequency	LTE B28/12/13/17:758-803MHz
	GSM850/WCDMA B5/LTE B5/20/26:858-894MHz
	GSM 900/WCDMA B8/LTE B8:925-960MHz
	DCS 1800/WCDMA B4/LTE B3/4/66:1805-1880MHz 2110-2155MHz
	WCDMA B1/LTE B1:2110-2170MHz
	PCS 1900/WCDMA B2/LTE B2/25:1930-1990MHz
	LTEB7/38/41:2625-2685MHz
	LTE B40:2300-2400MHz
RF-Output Power (E. I. R. P)	GSM850/900:33+/-2dbm
	DCS/PCS:30+/-2dbm
	WCDMA B1/2/4/5/8 23+/-2dbm
	LTE B1/2/3/4/5/7/8/12/13/17/20/25/26/28/38/40/41/66:23+/-2dbm
Antenna Gain(Peak Gain)	LTE B28:-6.35
	GSM 850/W B5/LTE B5/20:-5.17
	GSM 900/W B8/LTE B8:-4.18
	DCS 1800/WCDMA B4/LTE B3/4:-2.82
	PCS 1900/WCDMA B2/LTE B2:-3.21
	WCDMA B1/LTE B1:-3.21
	LTEB7/38/41:-1.8
	LTE B40:0.08
	GPS:-1.58
	BT/WIFI 2.4G:-1.51
	WIFI 5G:1.51
Type of Modulation	GMSK

Supplier information

Project Name: X6531

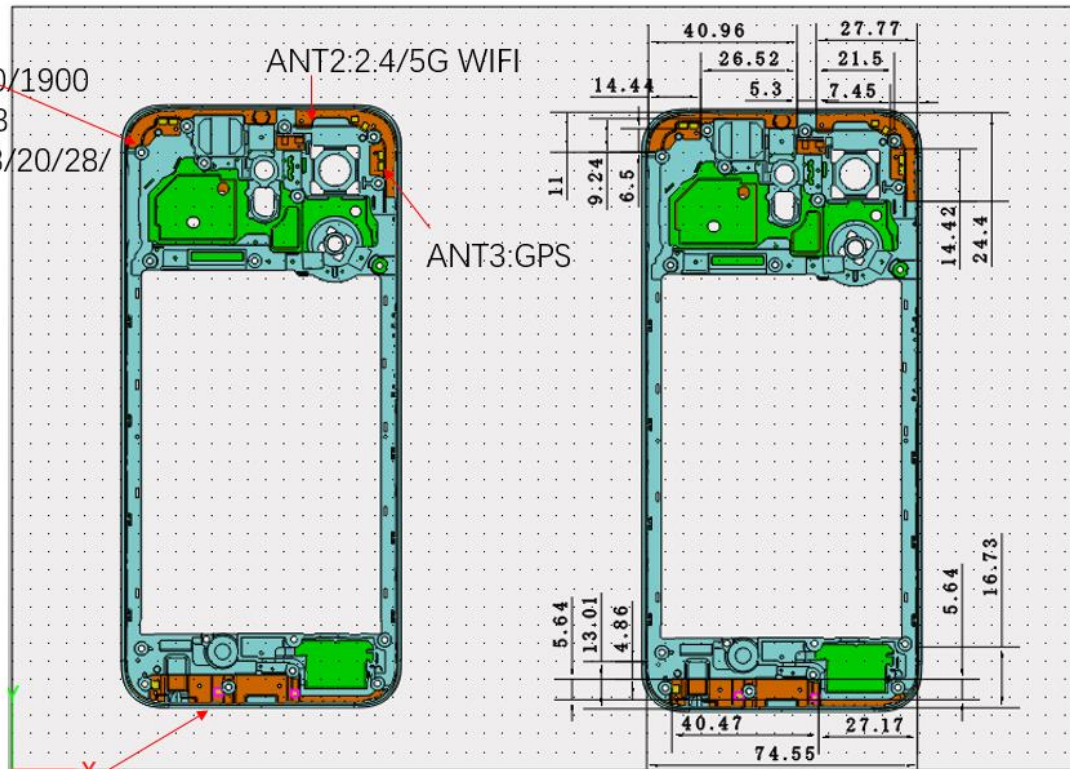
Company: Kunshan Innwave Communication Technology Co., Ltd.

Address: Building H,Intu ZhizaoPark,No. 55 Shengchuang Road,Yushan
Town,Kunshan City, Jiangsu Province,China

Antenna Name	Model	Part Number
Main	F113F64011A0001	LMH TRX ANT
DIV	F113F64015A0001	LMH DIV ANT
GPS/BT/WIFI 2.4G/WIFI 5G	F113F6401FA0001	GPS/BT/2.4/5G WIFI ANT

Antenna size

ANT1:
GSM:850/900/1800/1900
WCDMA :1/2/4/5/8
LTE:B1/2/3/4/5/7/8/20/28/
38/40/41



ANT0:
GSM850/900/1800/1900
WCDMA 1/2/4/5/8
LTE B1/2/3/4/5/7/8/20/28/38/40/41

Antenna

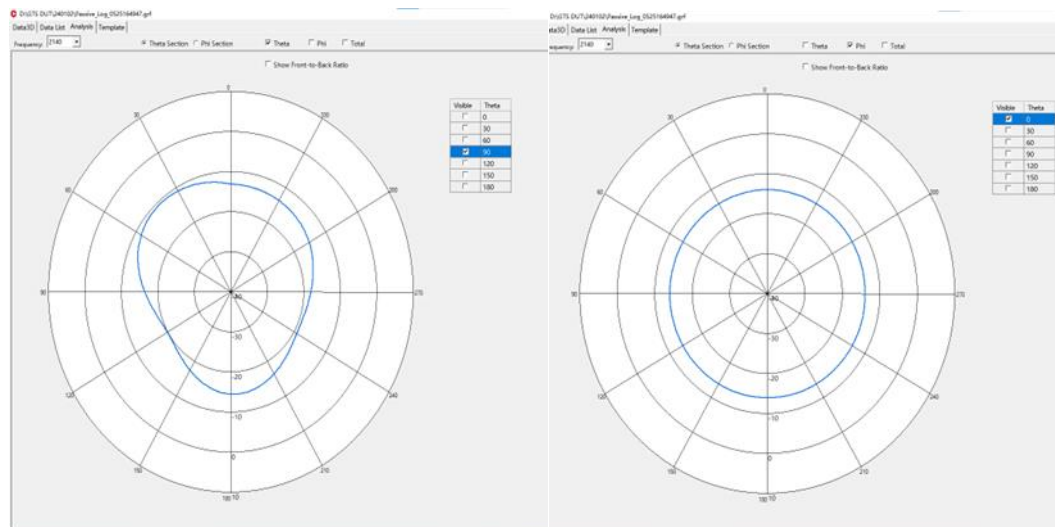
gain

Band	Main Antenna(dBi)	Band	Div Antenna(dBi)
	Average		Average
LTE B1	-3.21	LTE B1	-2.55
LTE B2	-3.21	LTE B2	-1.1
LTE B3	-2.82	LTE B3	-1.51

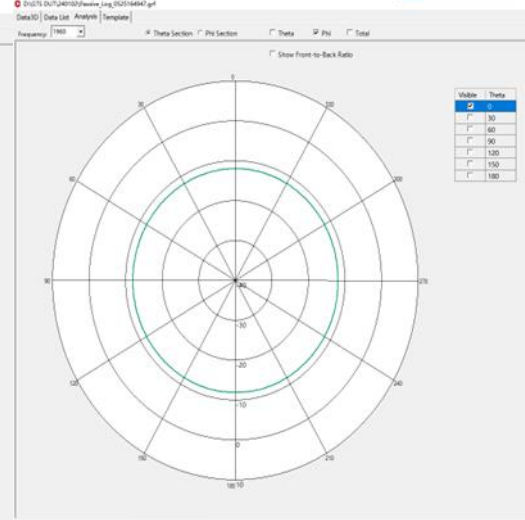
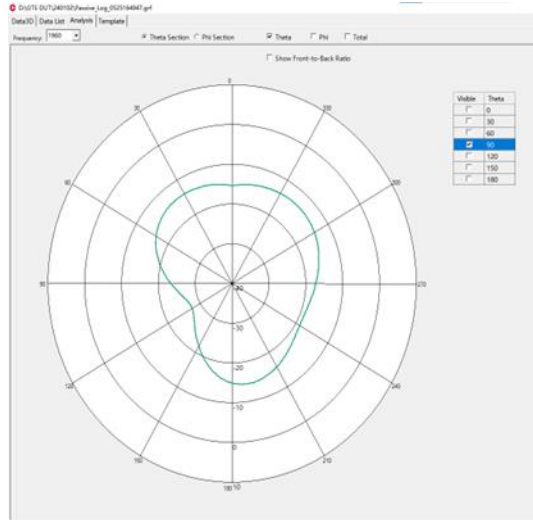
LTE B4	-2.82	LTE B4	-2.5
LTE B5	-5.17	LTE B5	-6.42
LTE B7	-1.88	LTE B7	-1.55
LTE B8	-4.18	LTE B8	-5.17
LTE B12	-6.35	LTE B12	-6.31
LTE B13	-6.35	LTE B13	-5.8
LTE B17	-6.35	LTE B17	-6.31
LTE B20	-5.17	LTE B20	-5
LTE B25	-3.21	LTE B25	-1.1
LTE B26	-5.17	LTE B26	-6.42
LTE B28	-6.35	LTE B28	-5.26
LTE B38	-1.80	LTE B38	-1.72
LTE B40	0.08	LTE B40	0.35
LTE B41	-1.8	LTE B41	-1.55
LTE B66	-2.82	LTE B66	-2.55
GSM850	-5.17	GSM850	-6.42
GSM900	-4.18	GSM900	-5.17
GSM1800	-2.82	GSM1800	-1.51
GSM1900	-3.21	GSM1900	-1.1
WCDMA 1	-3.21	WCDMA 1	-2.55
WCDMA 2	-3.21	WCDMA 2	-1.1
WCDMA 4	-2.82	WCDMA 4	-2.5
WCDMA 5	-5.17	WCDMA 5	-6.42
WCDMA 8	-4.18	WCDMA 8	-5.17
Band	WIFI	Band	GPS
	Average		Average
2.4g wifi	-1.51	GPS	-1.58
5g wifi	1.51		

ANTO

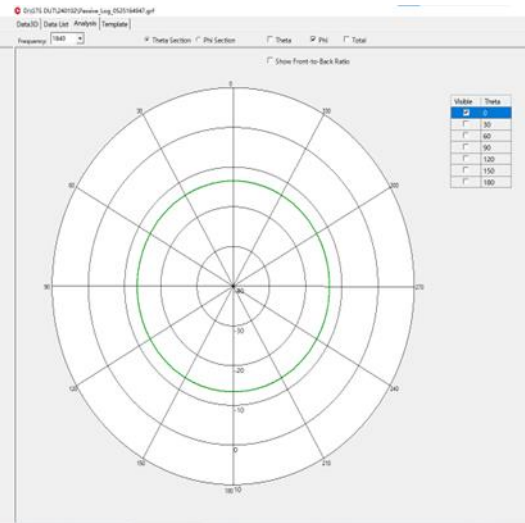
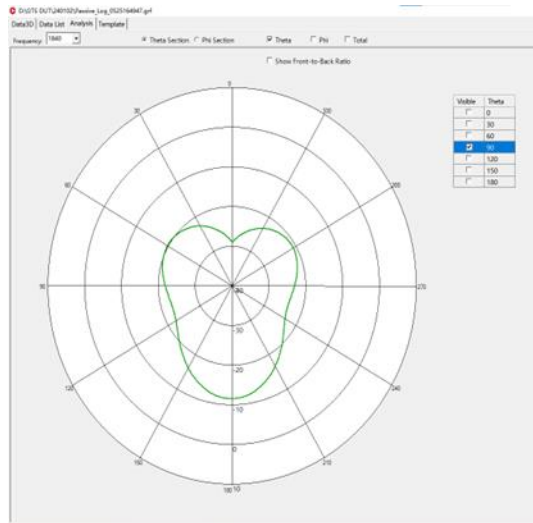
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B1	-2.55



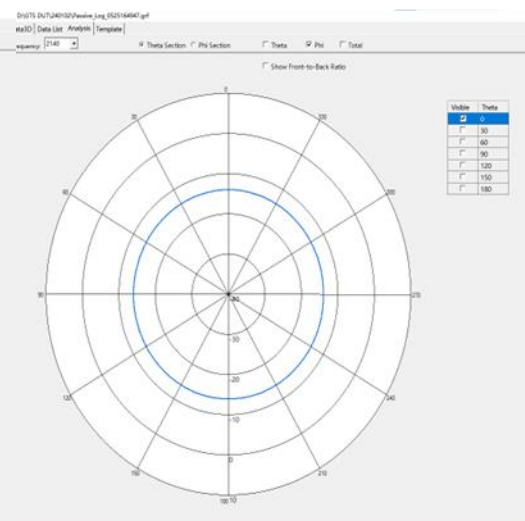
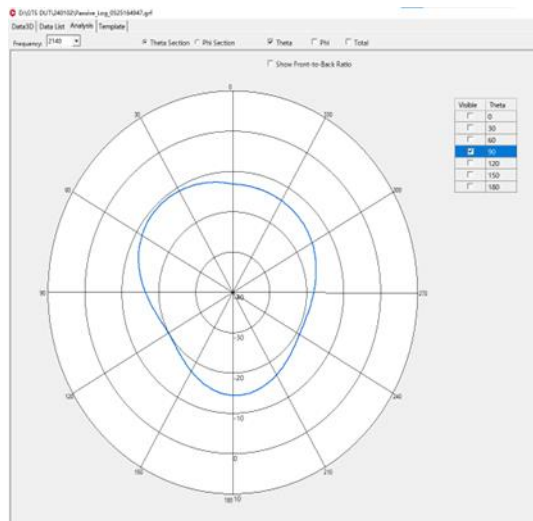
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B2	-1.1



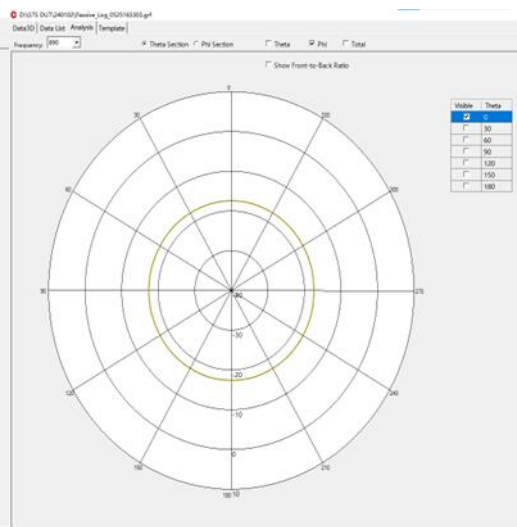
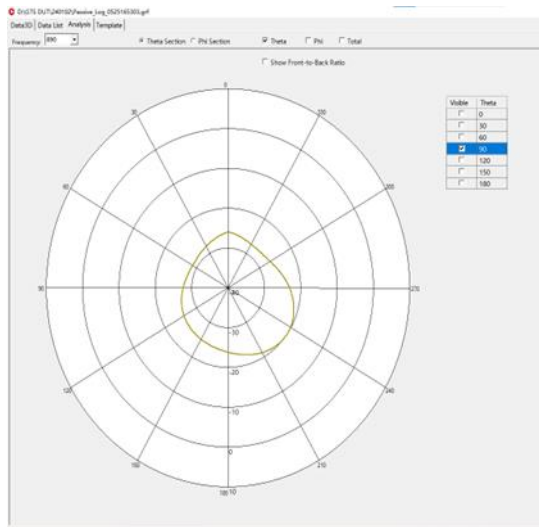
band	Gain dBi
B3	-1.51



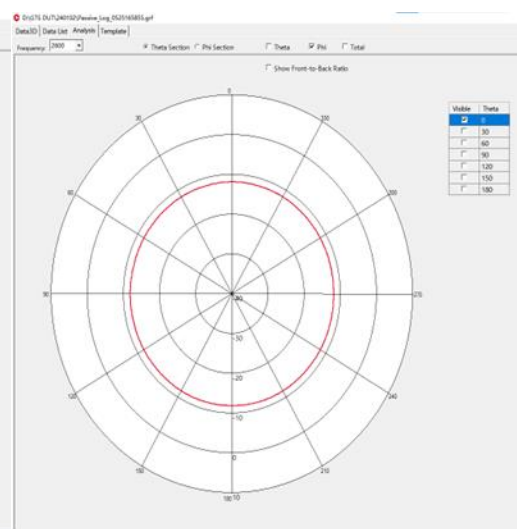
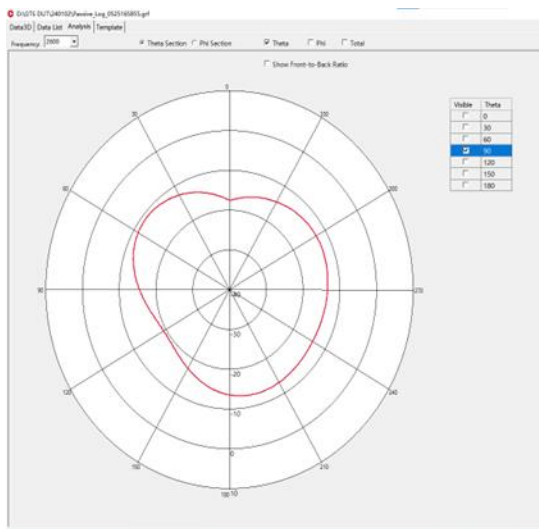
band	Gain dBi
B4	-2.5



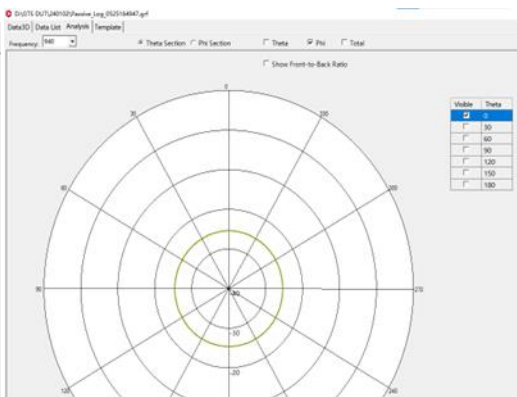
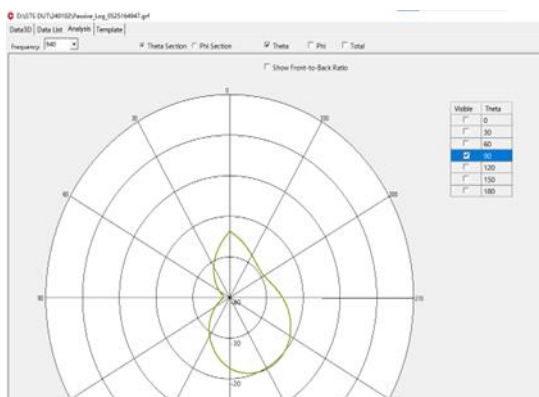
band	Gain dBi
B5	-6.42



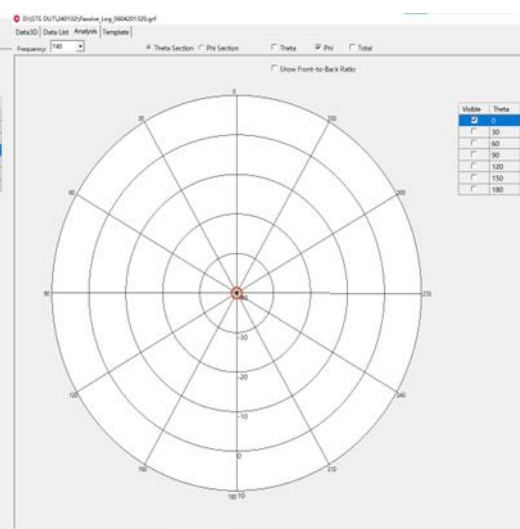
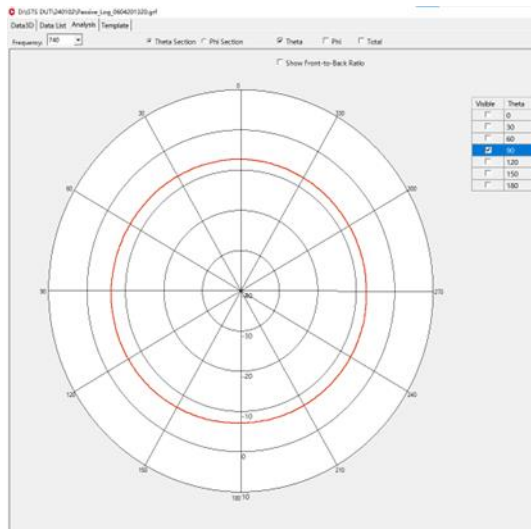
band	Gain dBi
B7	-1.55



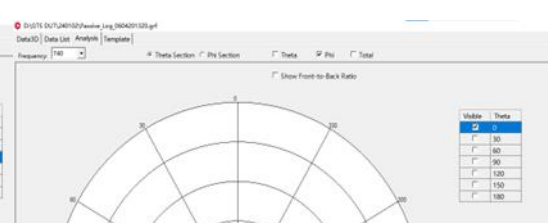
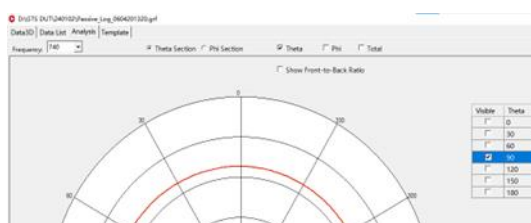
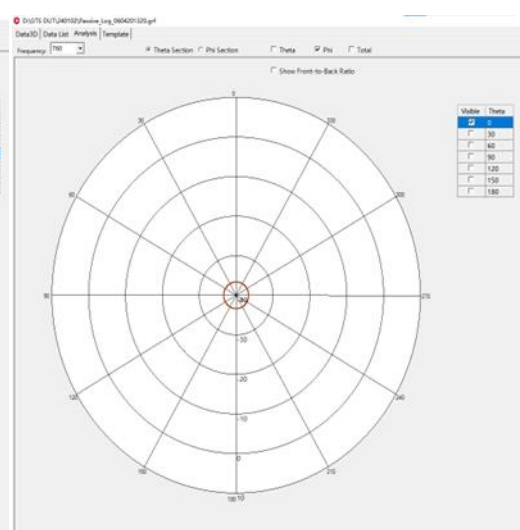
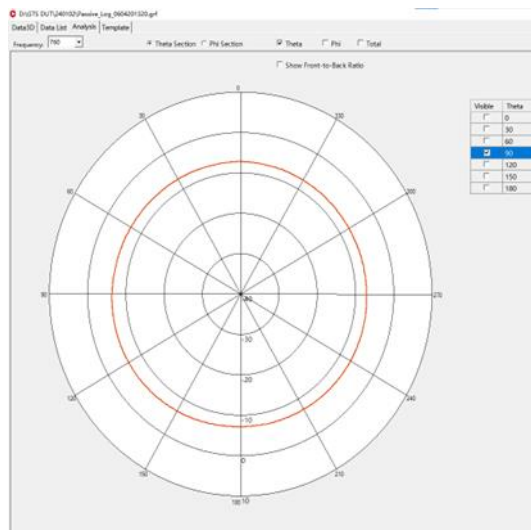
band	Gain dBi
B8	-5.17



band	Gain dBi
B12	-6.31



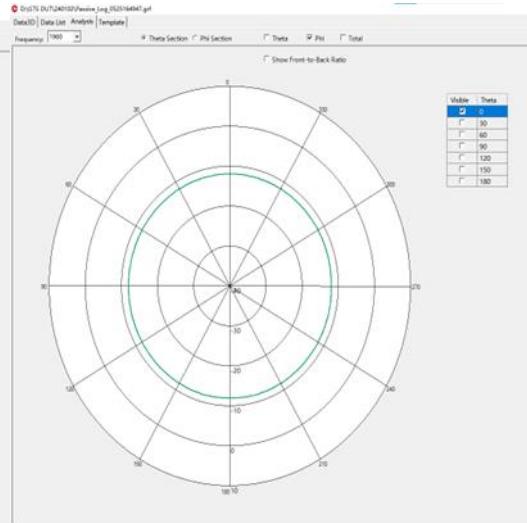
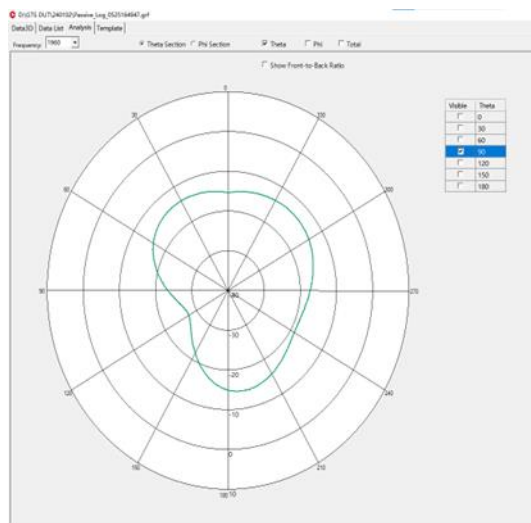
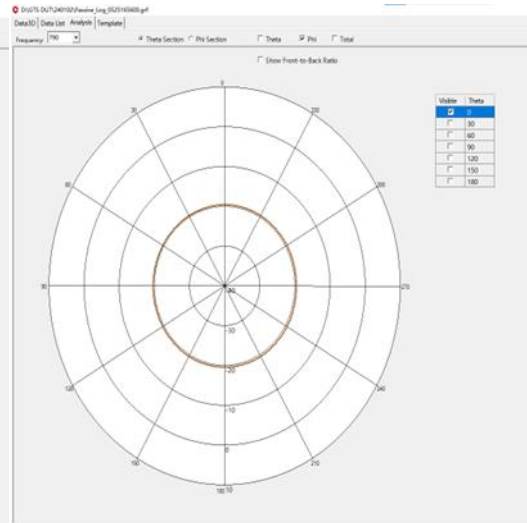
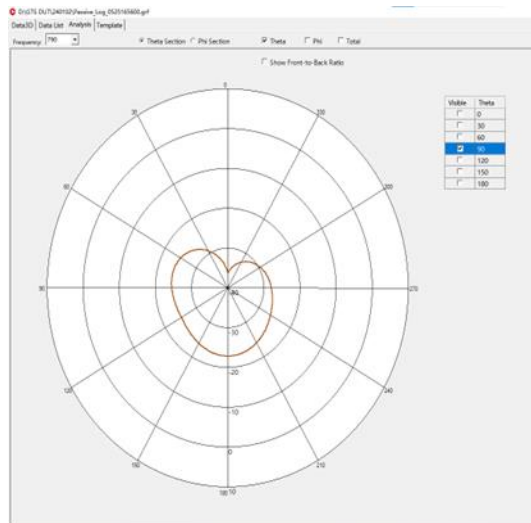
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B13	-5.8



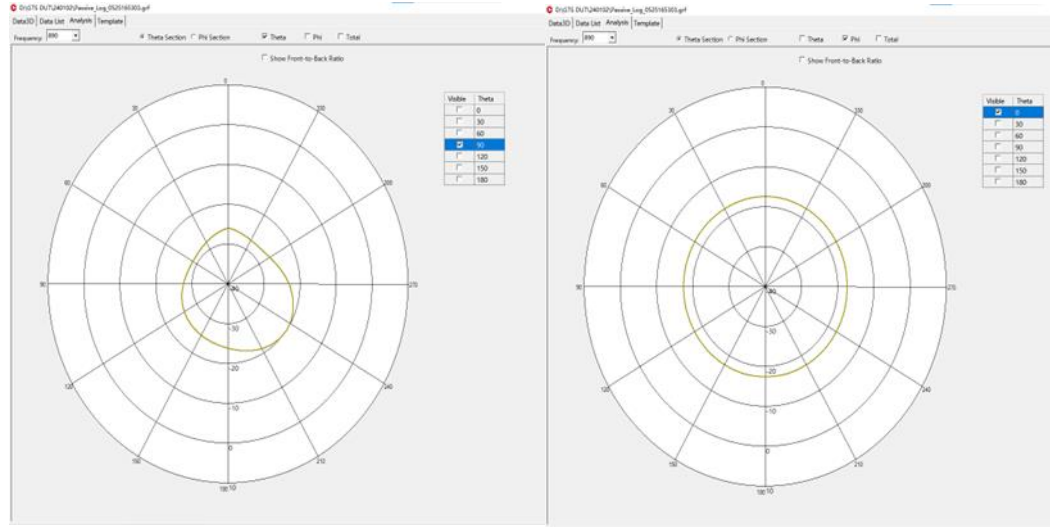
band	Gain dBi
B17	-6.31

band	Gain dBi
B20	-5

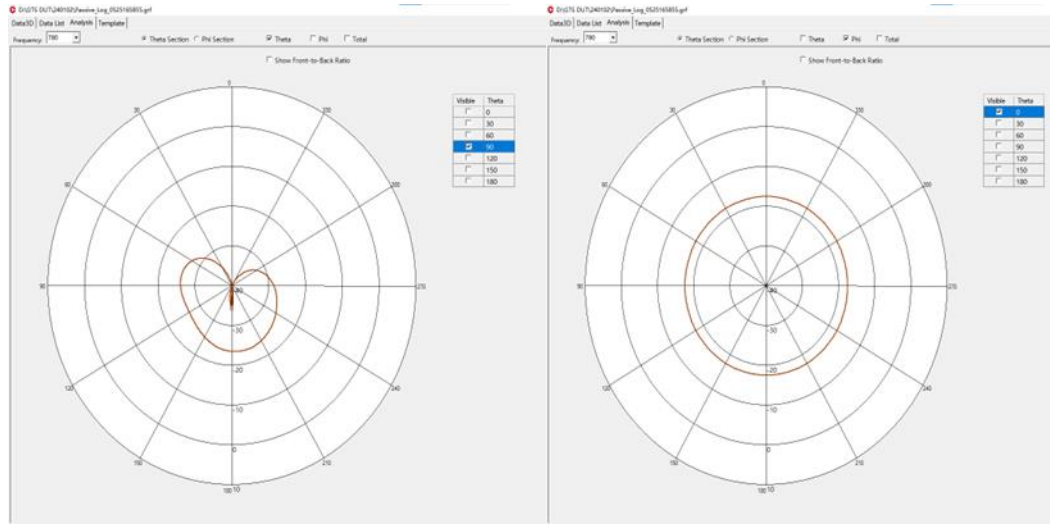
band	Gain dBi
B25	-1.1



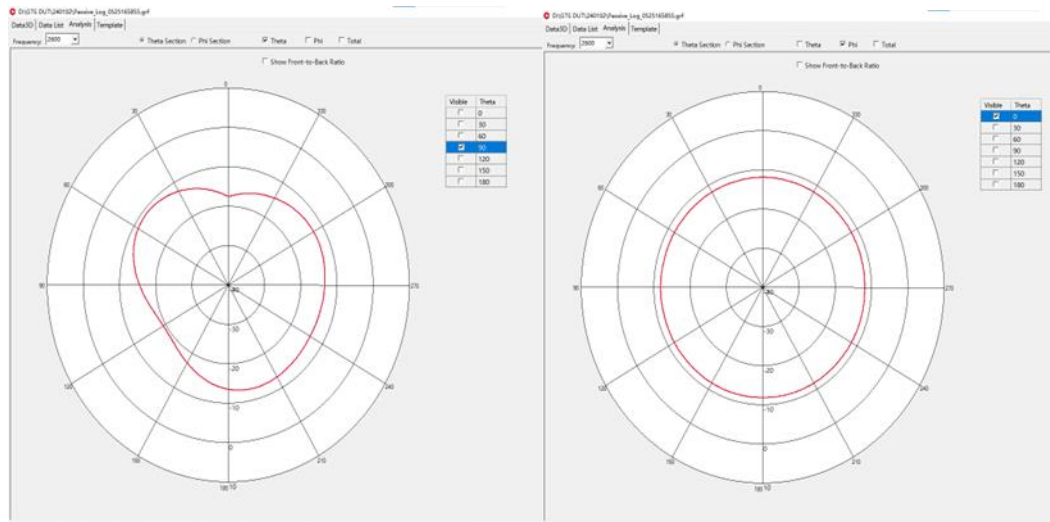
band	Gain dBi
B26	-6.42



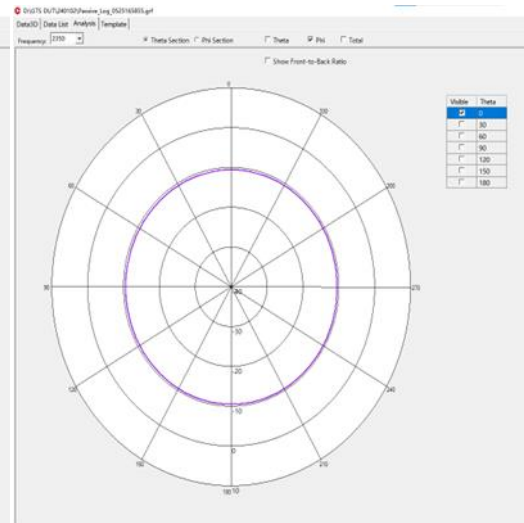
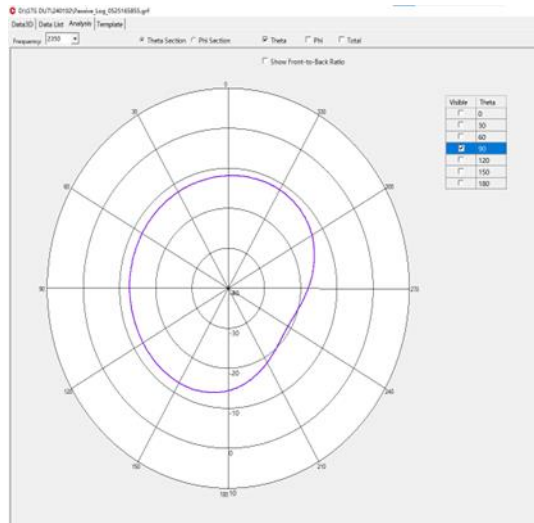
band	Gain dBi
B28	-5.26



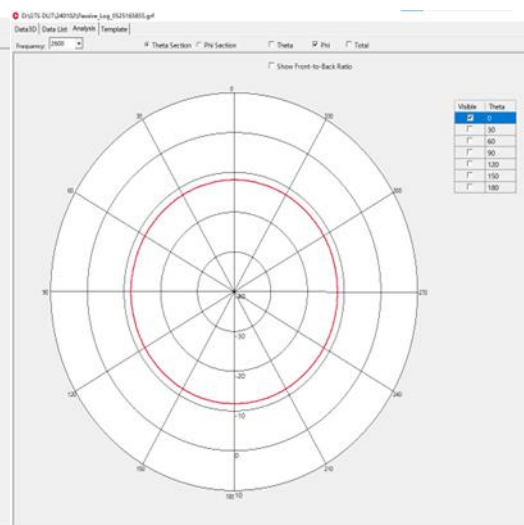
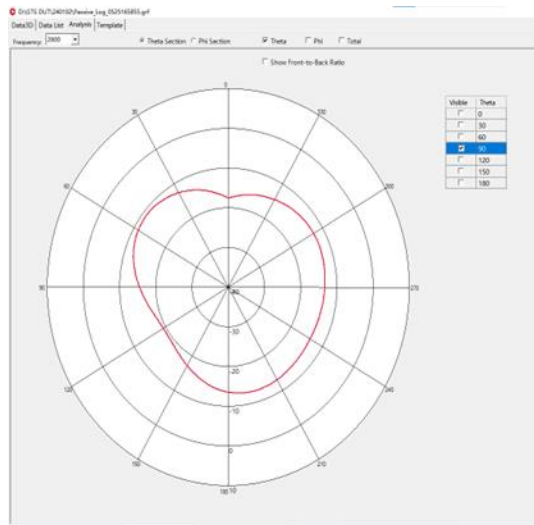
band	Gain dBi
B38	-1.72



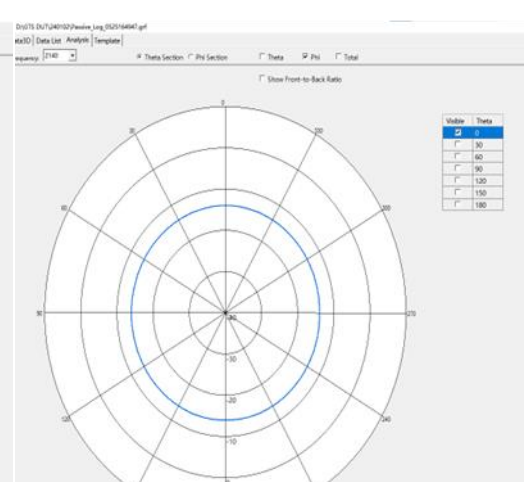
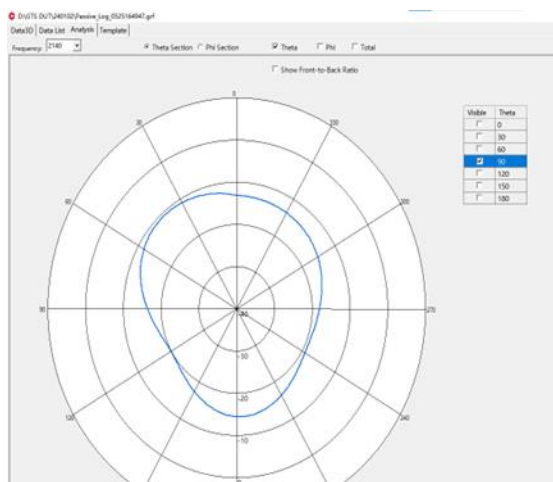
band	Gain dBi
B40	0.35



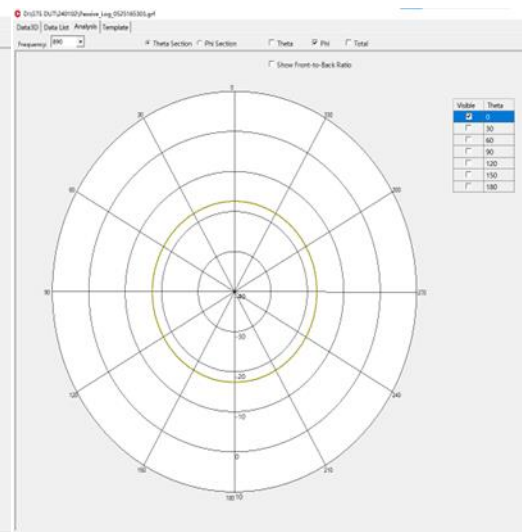
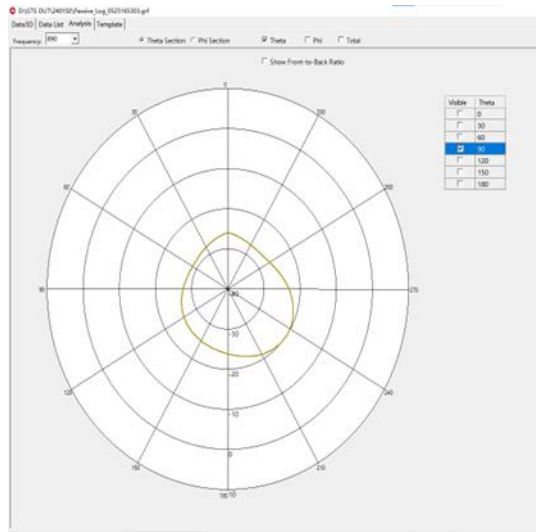
band	Gain dBi
B41	-1.55



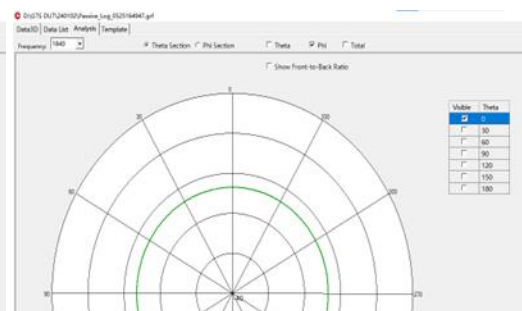
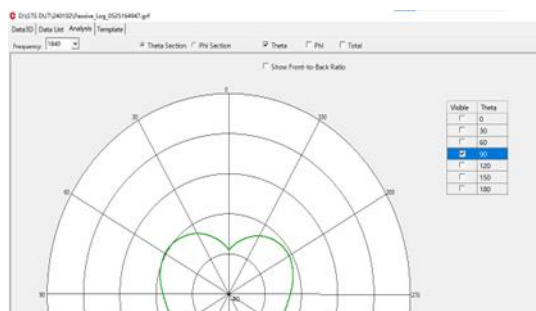
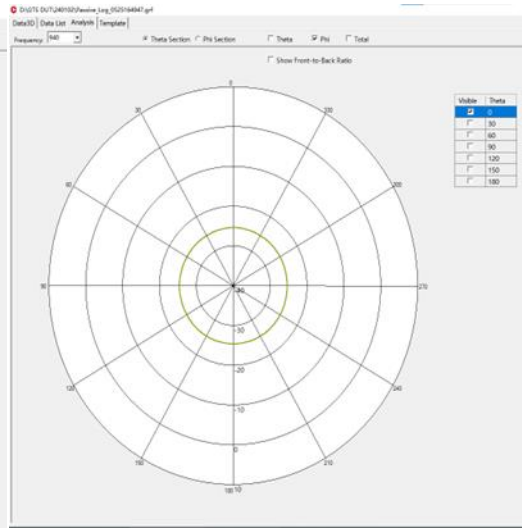
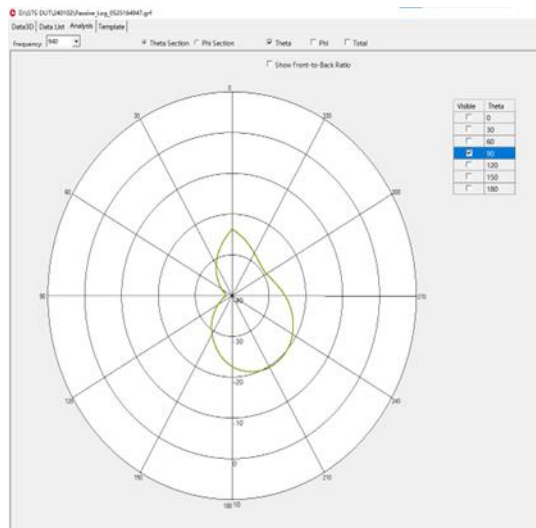
band	Gain dBi
B66	-2.55



band	Gain dBi
GSM850	-6.42



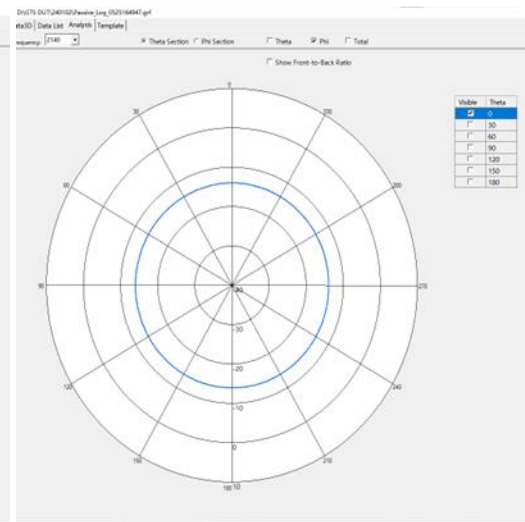
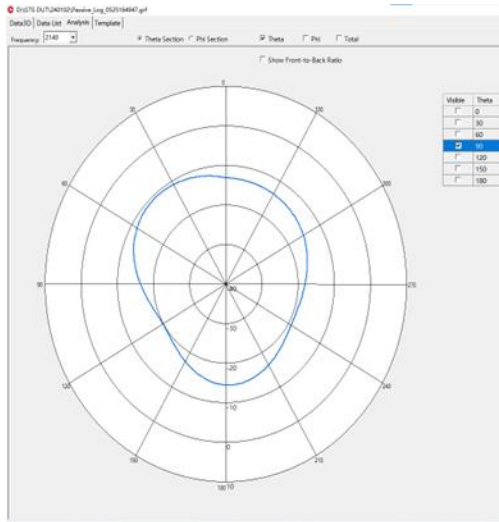
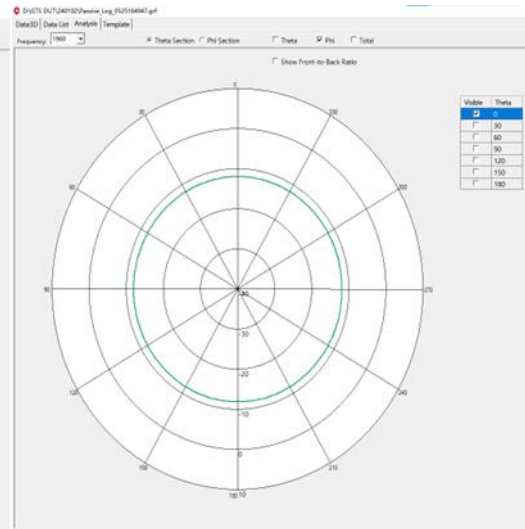
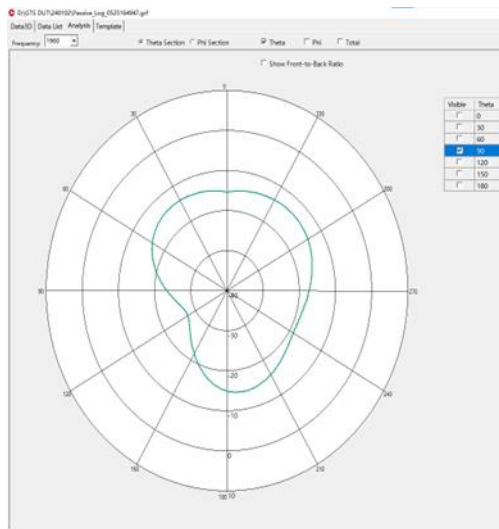
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GSM900	-5.17



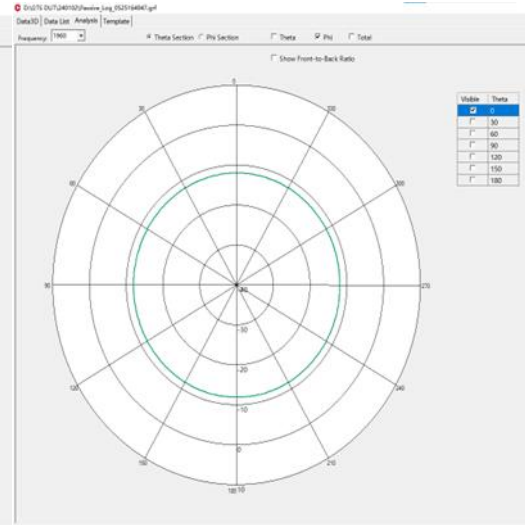
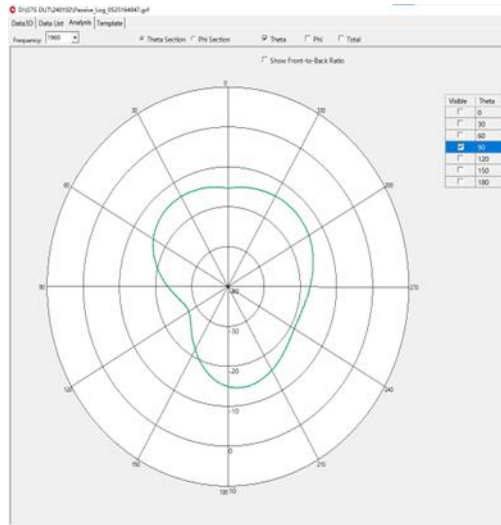
band	Gain dBi
GSM1800	-1.51

band	Gain dBi
GSM1900	-1.1

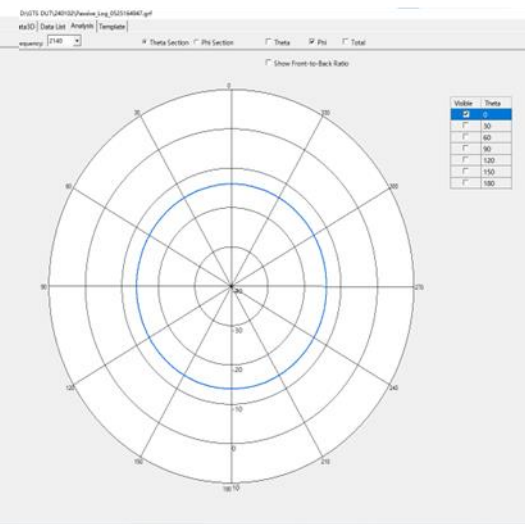
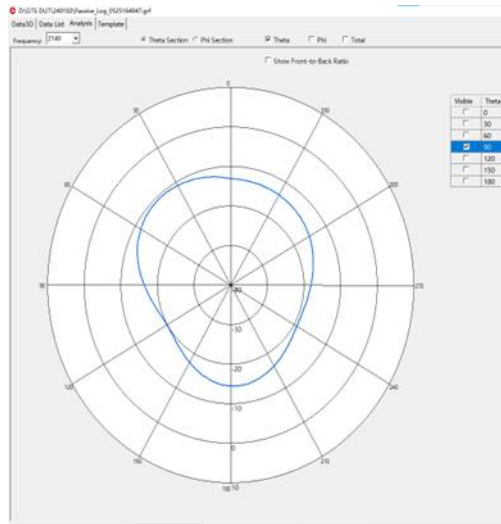
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WCDMA 1	-2.55



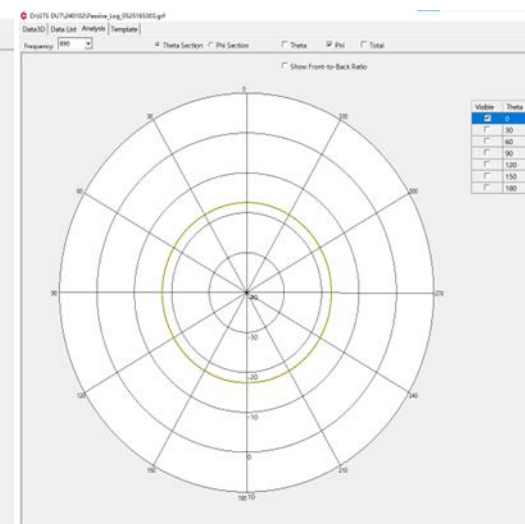
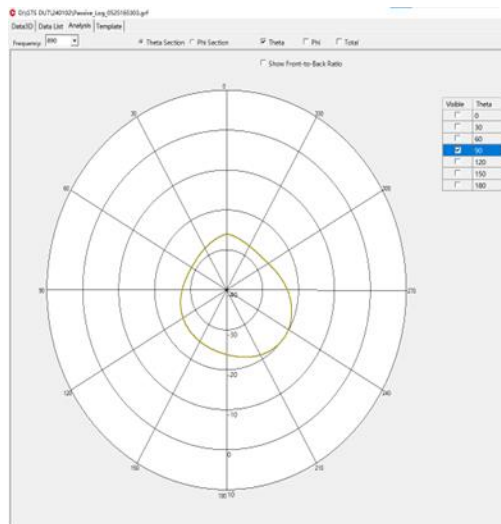
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WCDMA 2	-1.1



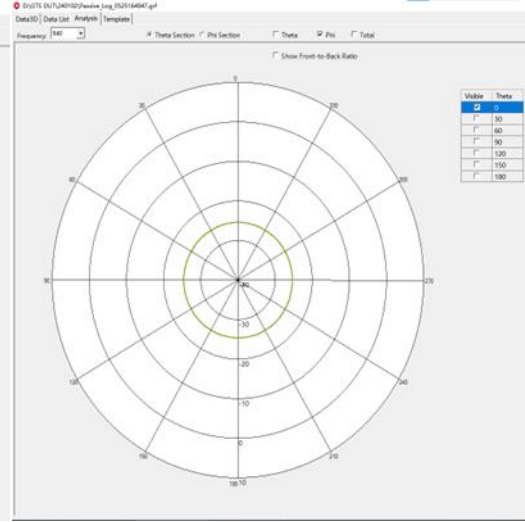
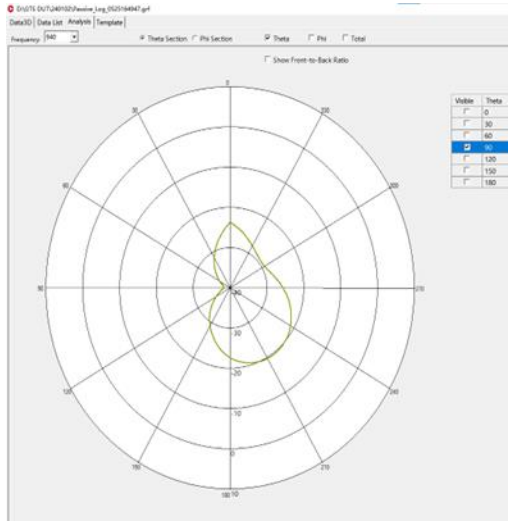
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WCDMA 4	-2.5



band	Gain dBi
WCDMA 5	-6.42

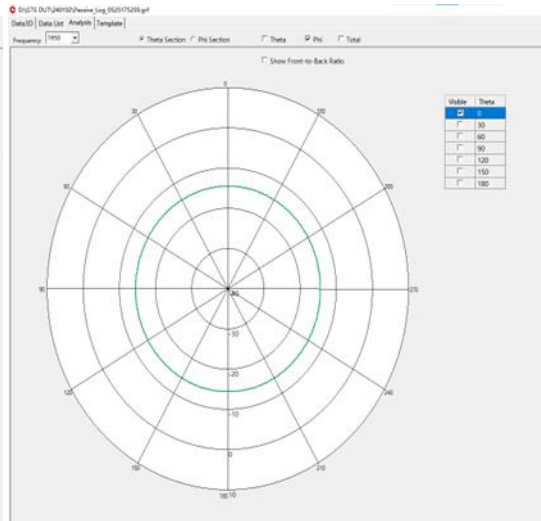
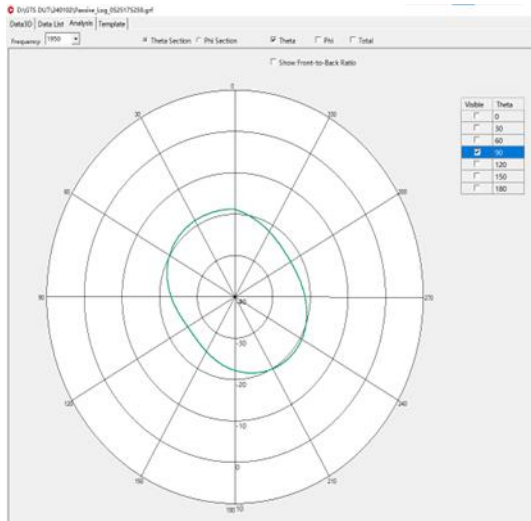


band	Gain dBi
WCDMA 8	-5.17

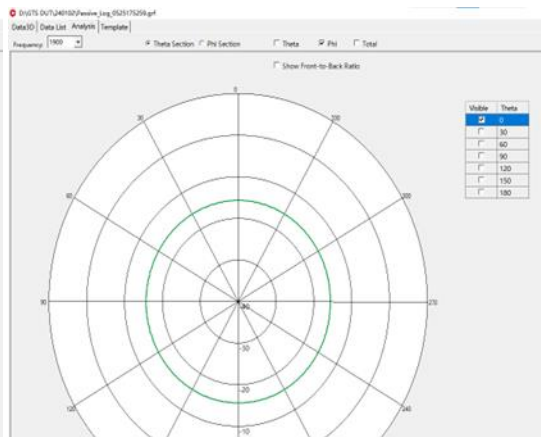
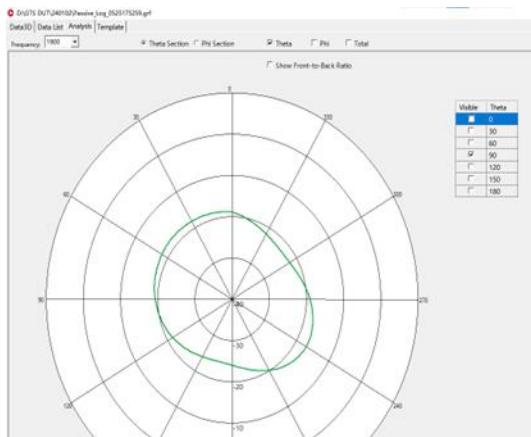


ANT1

band	Gain dBi
B1	-3.21

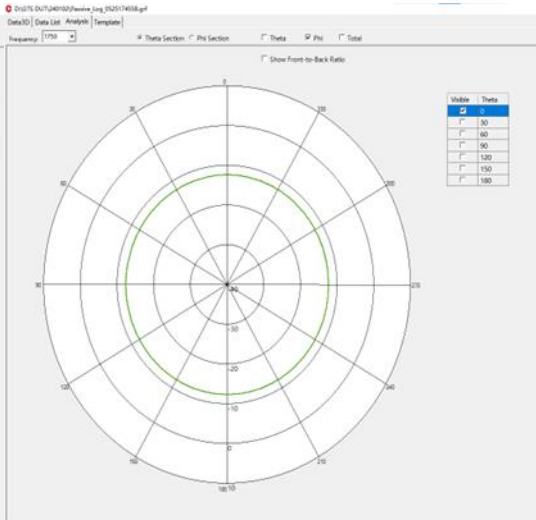
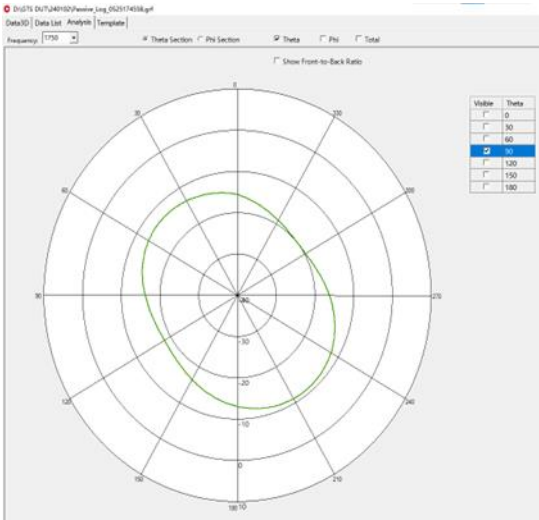


band	Gain dBi
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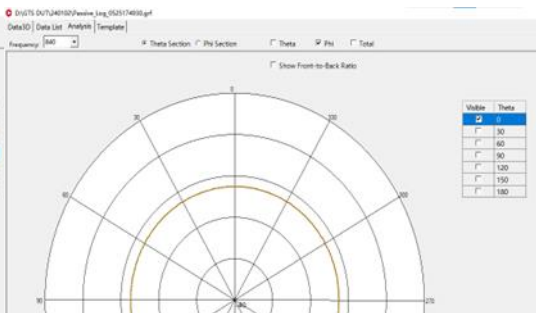
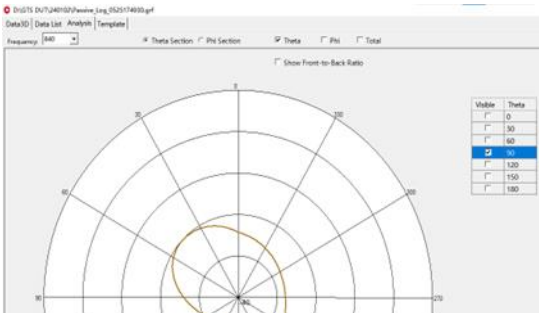
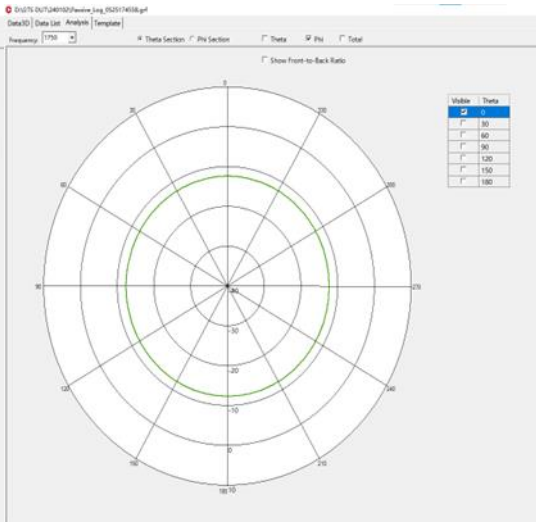
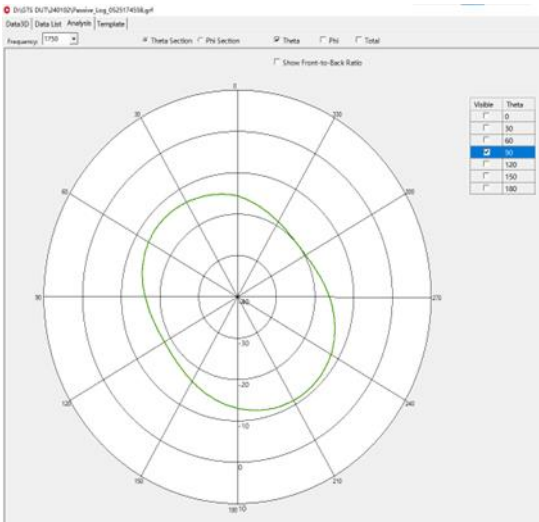


B2	-3.21
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band	Gain dBi
B3	-2.82



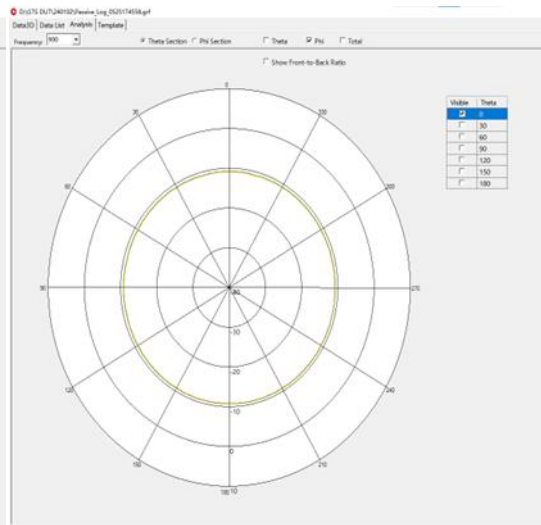
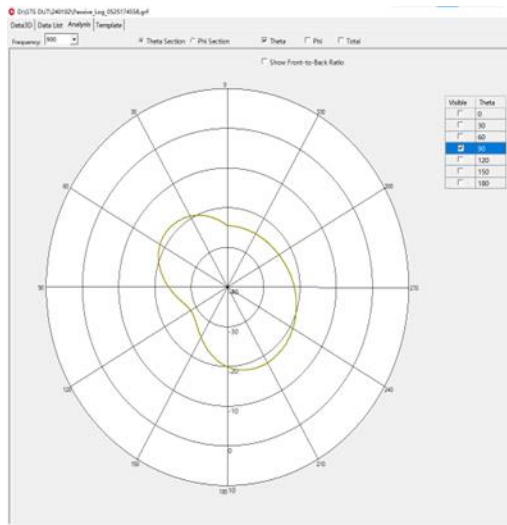
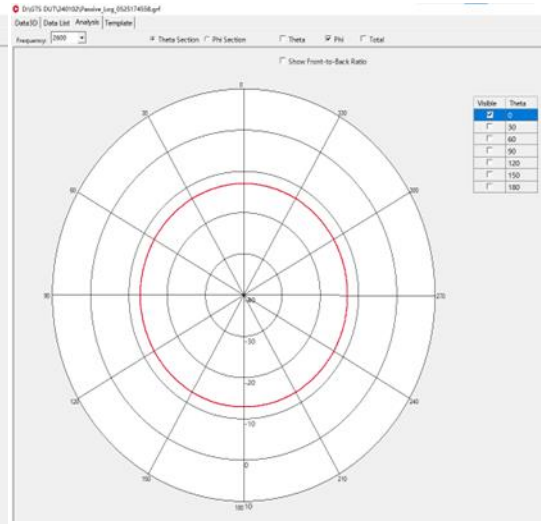
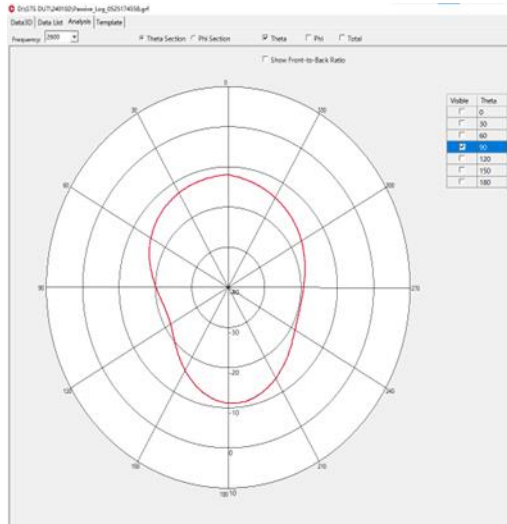
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B4	-2.82



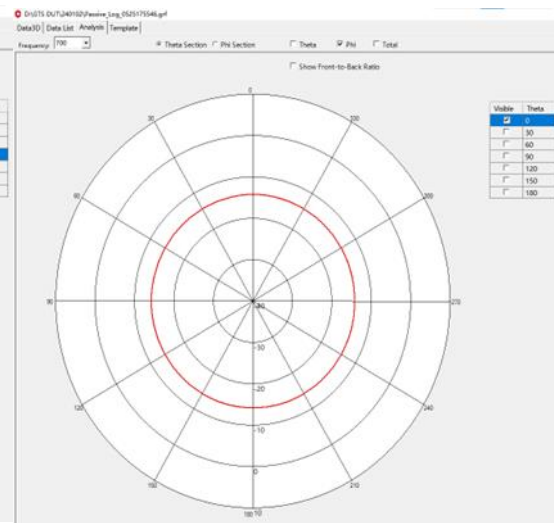
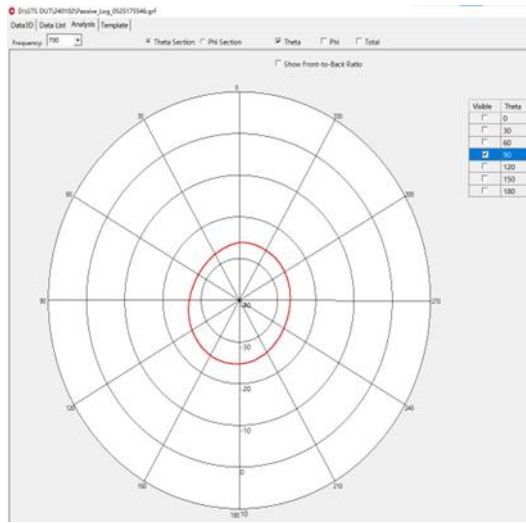
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B5	-5.17

band	Gain dBi
B7	-1.88

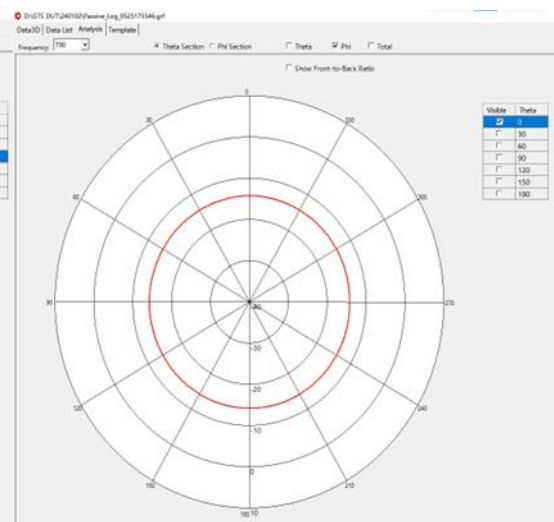
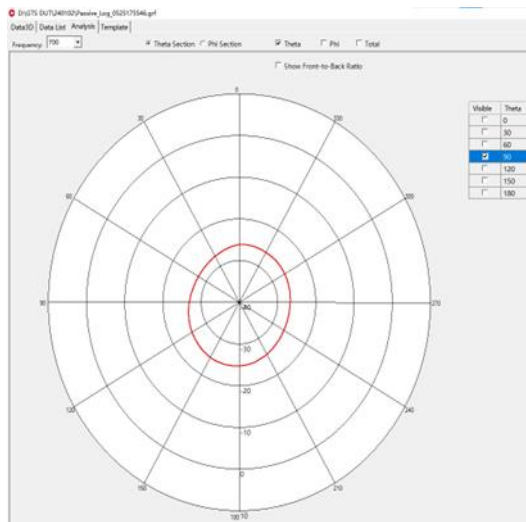
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B8	-4.18



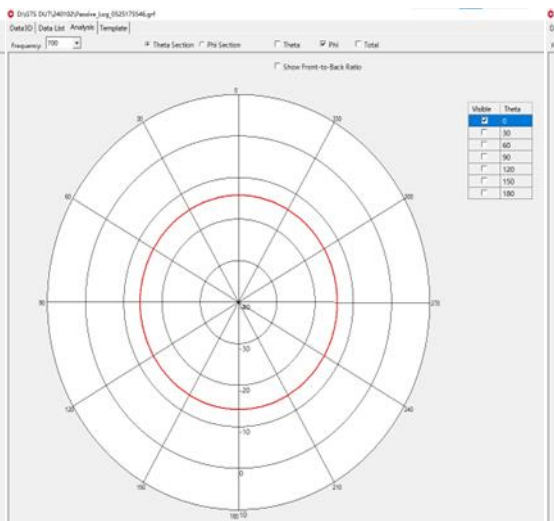
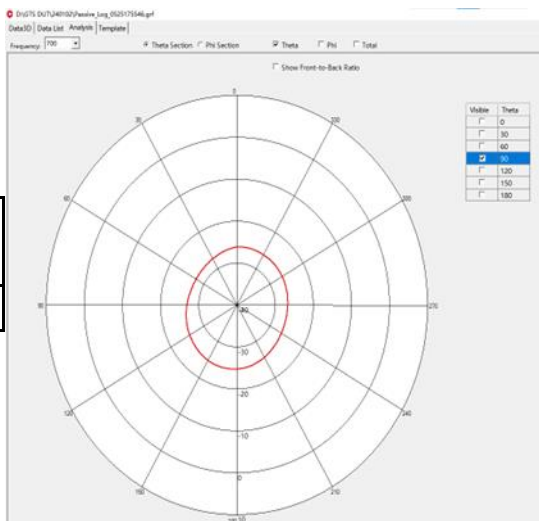
band	Gain dBi
B12	-6.35



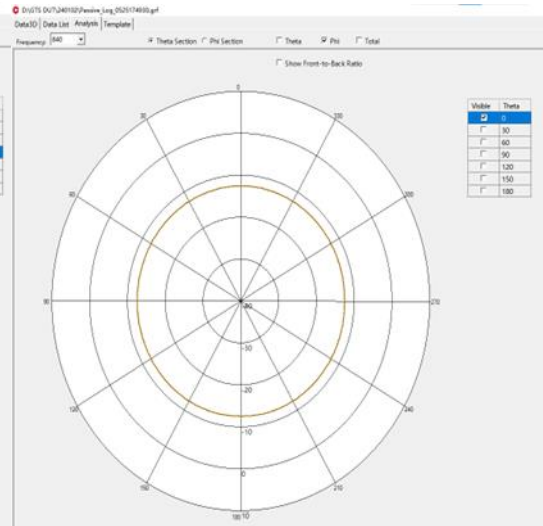
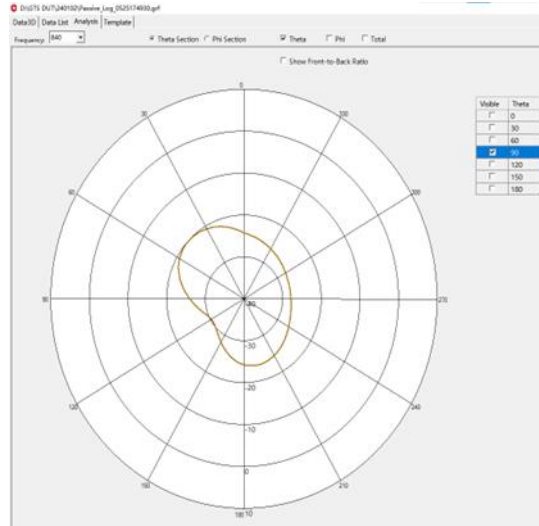
band	Gain dBi
B13	-6.35



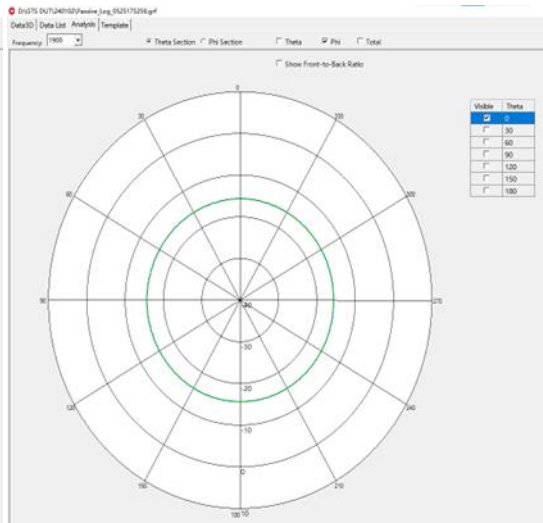
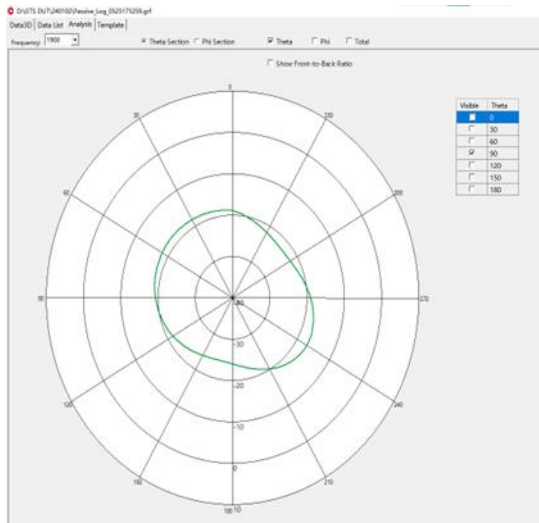
band	Gain dBi
B17	-6.35



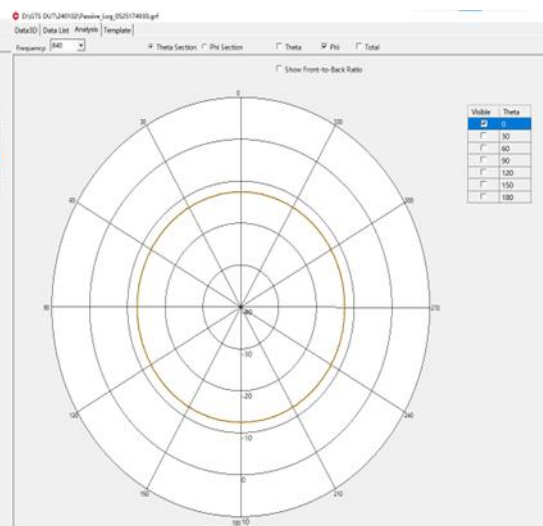
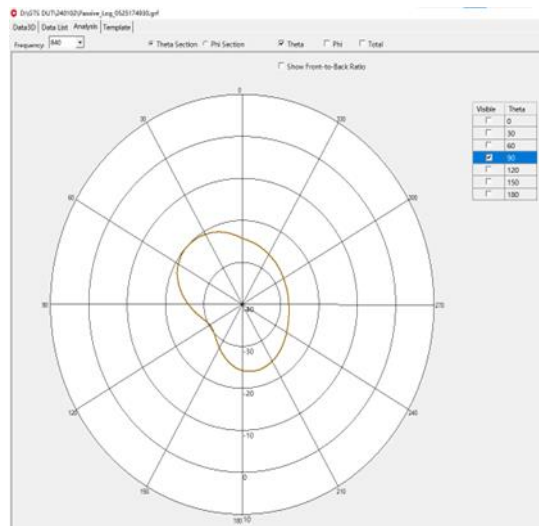
band	Gain dBi
B20	-5.17



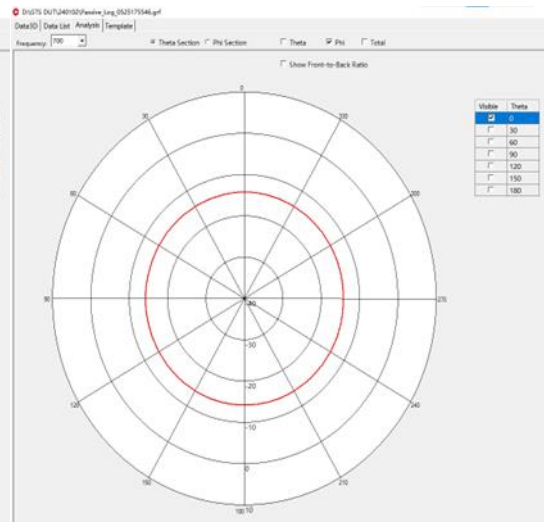
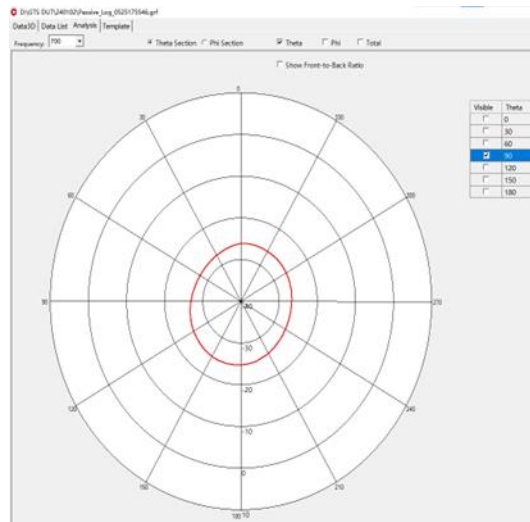
band	Gain dBi
B25	-3.21



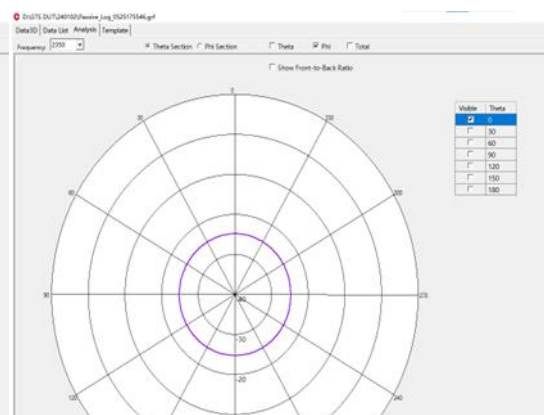
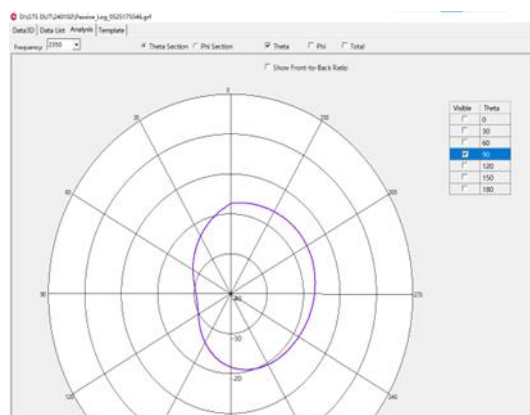
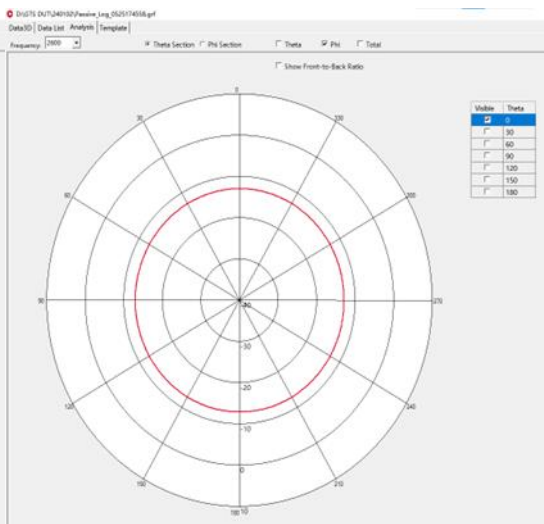
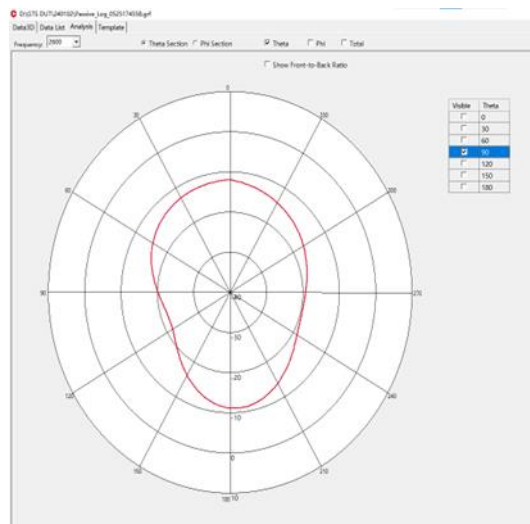
band	Gain dBi
B26	-5.17



band	Gain dBi
B28	-6.35

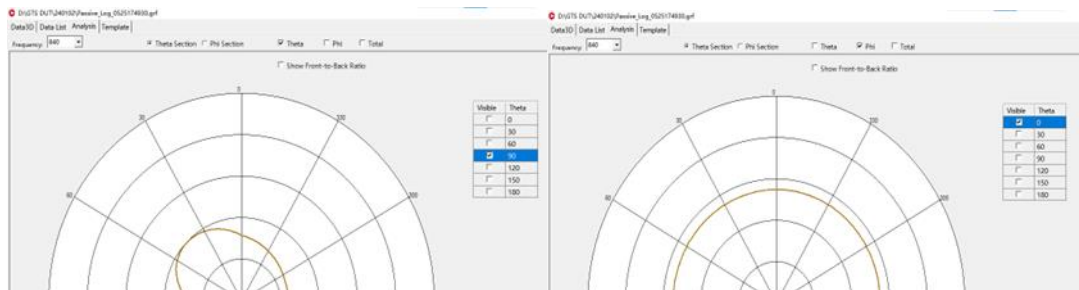
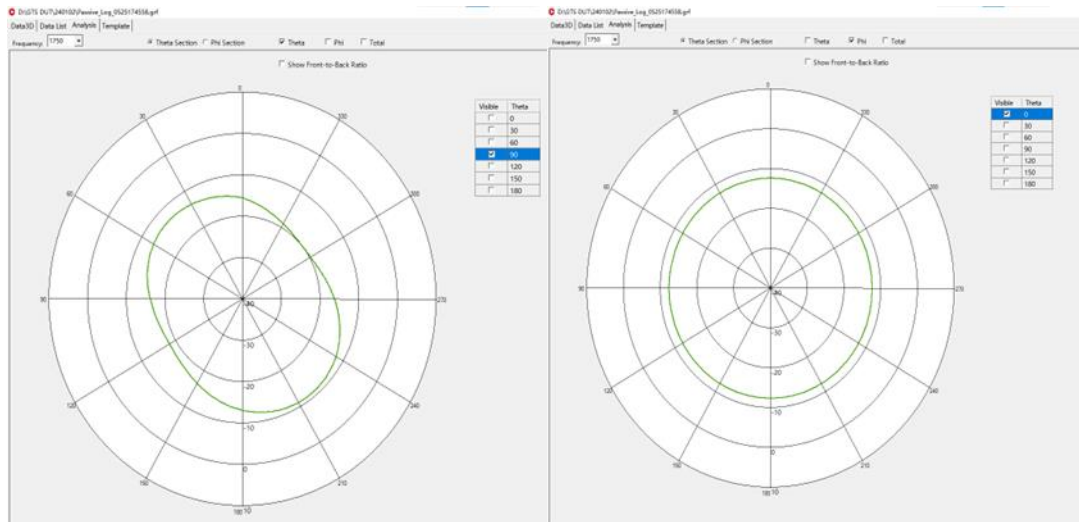
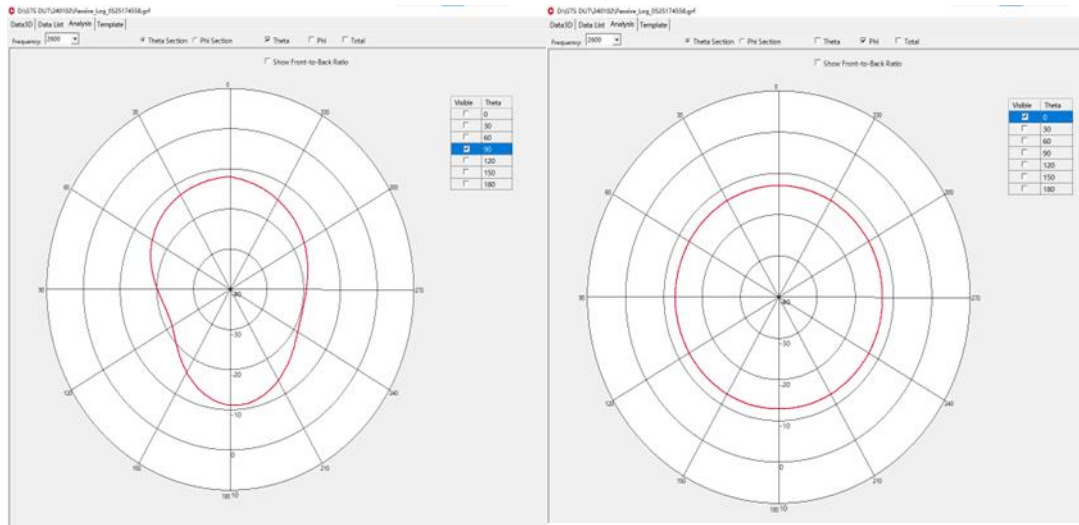


band	Gain dBi
B38	-1.8

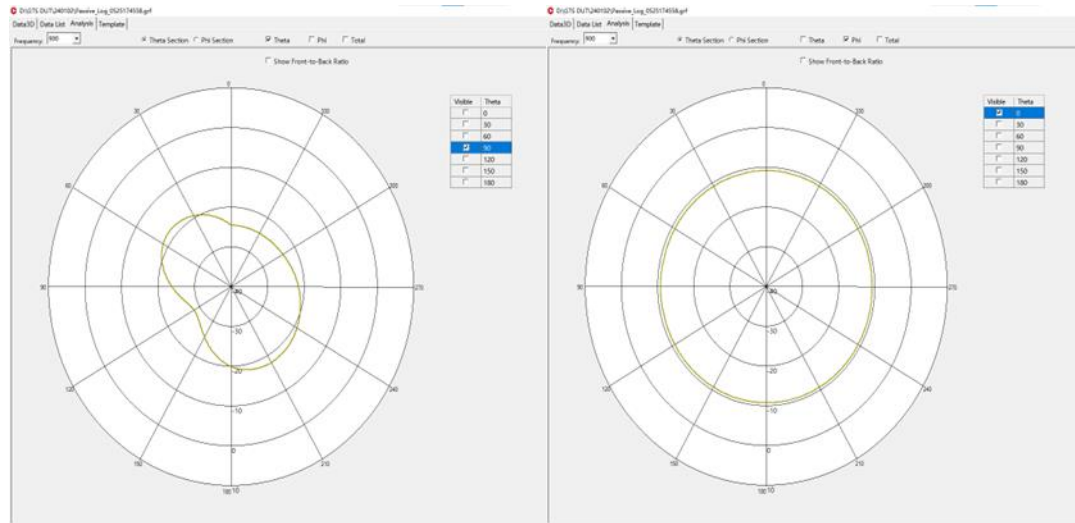


band	Gain dBi
B40	0.08

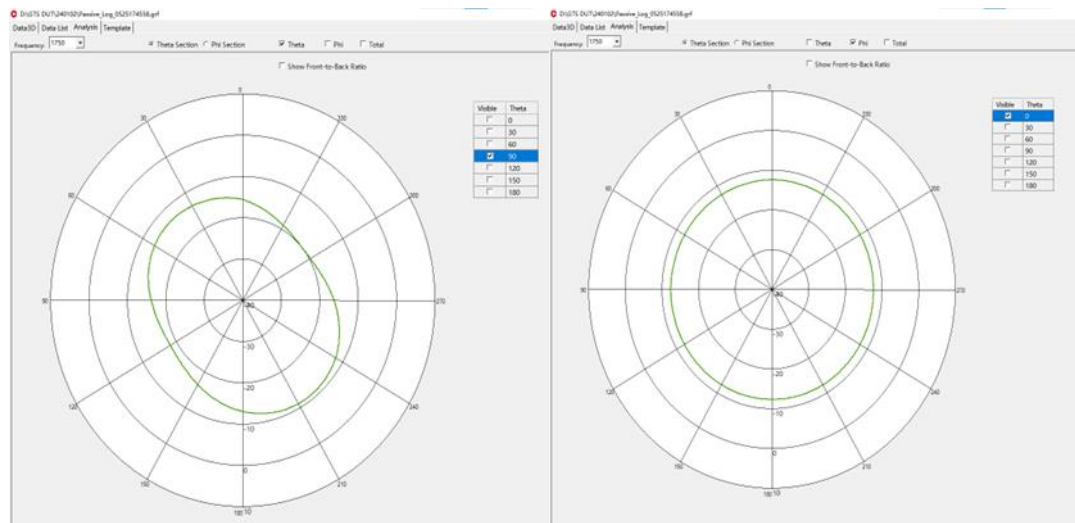
band	Gain dBi
B41	-1.8



band	Gain dBi
GSM850	-5.17

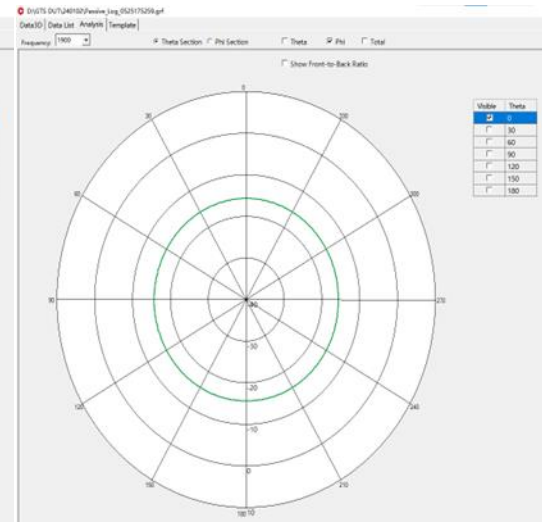
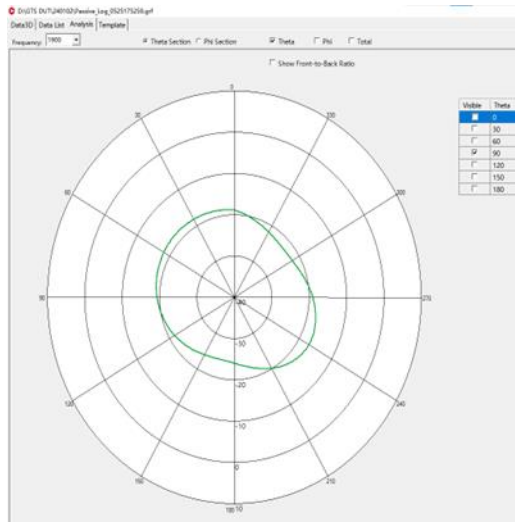


band	Gain dBi
GSM900	-4.18

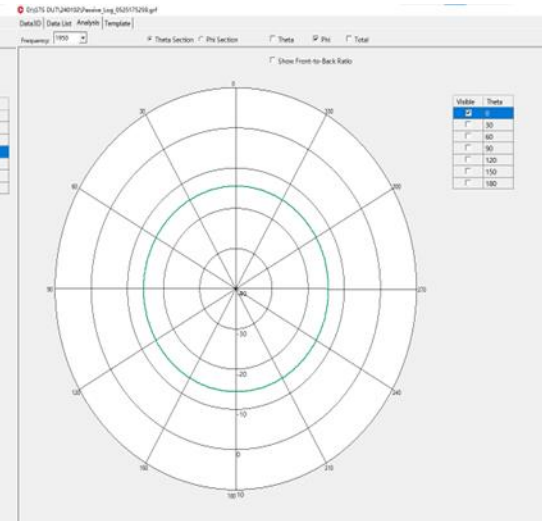
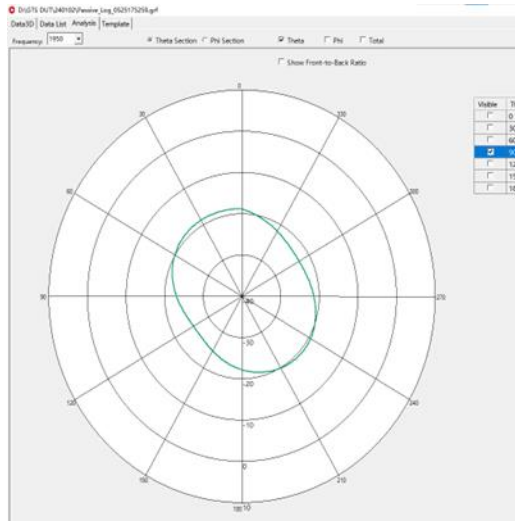


band	Gain dBi
GSM1800	-2.82

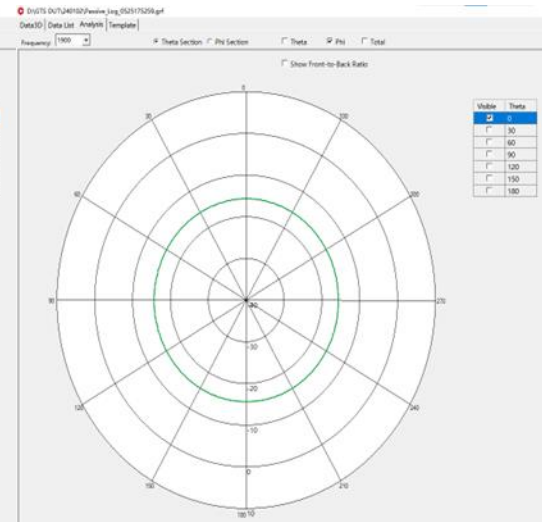
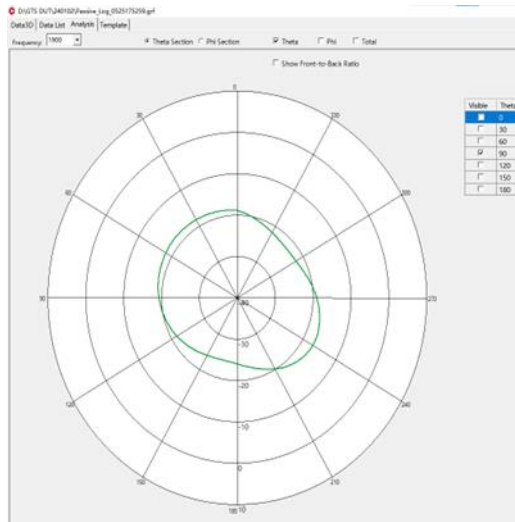
band	Gain dBi
GSM1900	-3.21



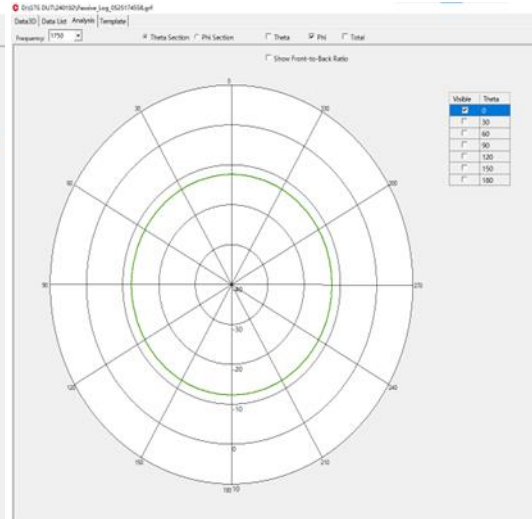
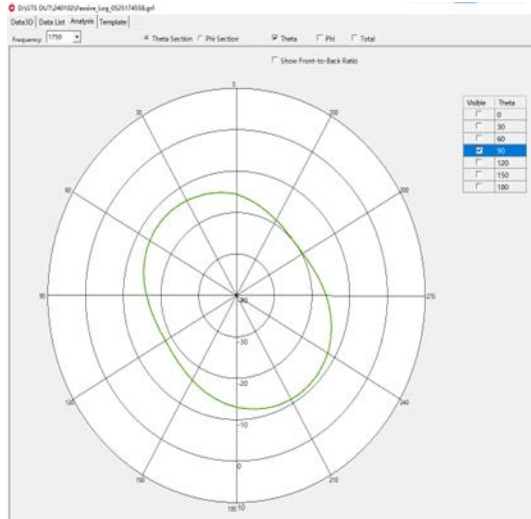
band	Gain dBi
WCDMA 1	-3.21



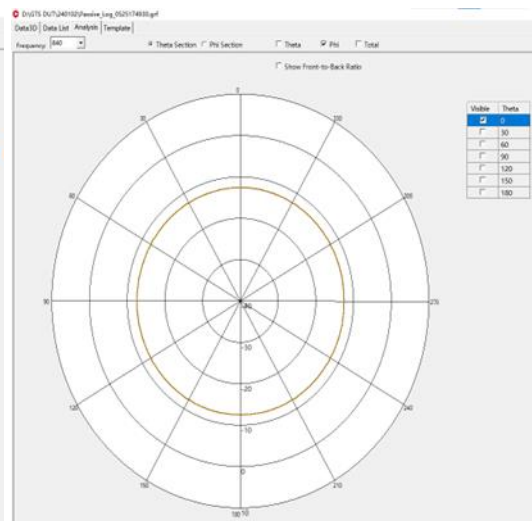
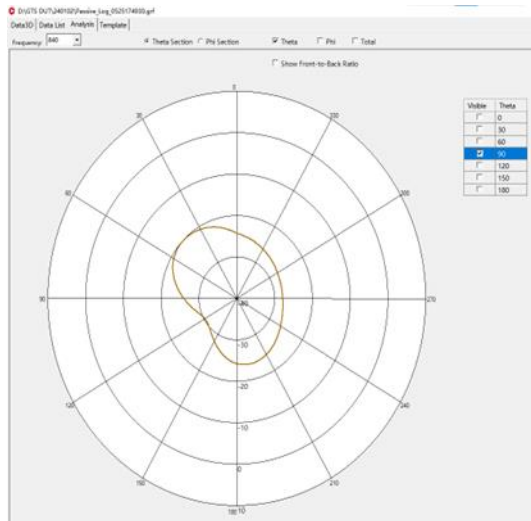
band	Gain dBi
WCDMA 2	-3.21



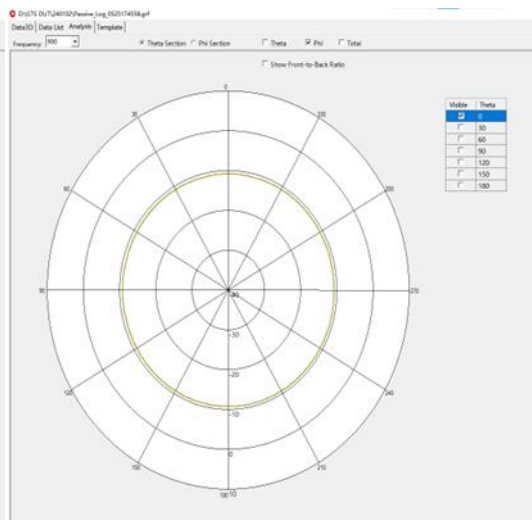
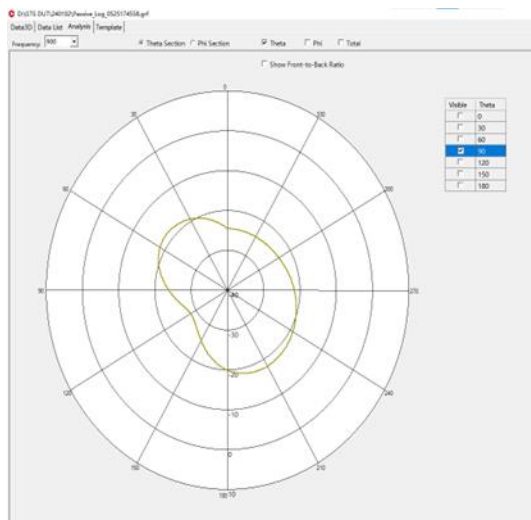
band	Gain dBi
WCDMA 4	-2.82



band	Gain dBi
WCDMA 5	-5.17



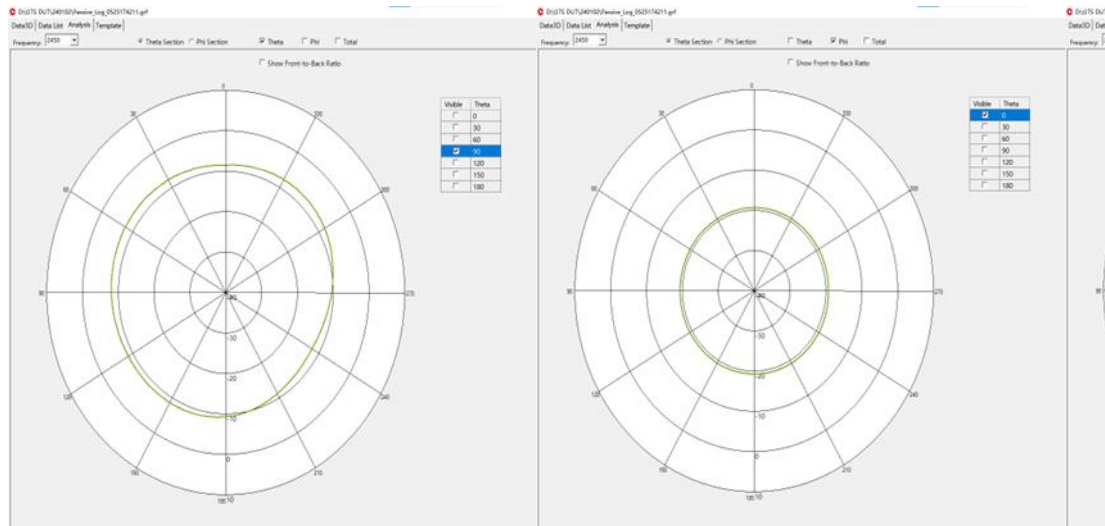
band	Gain



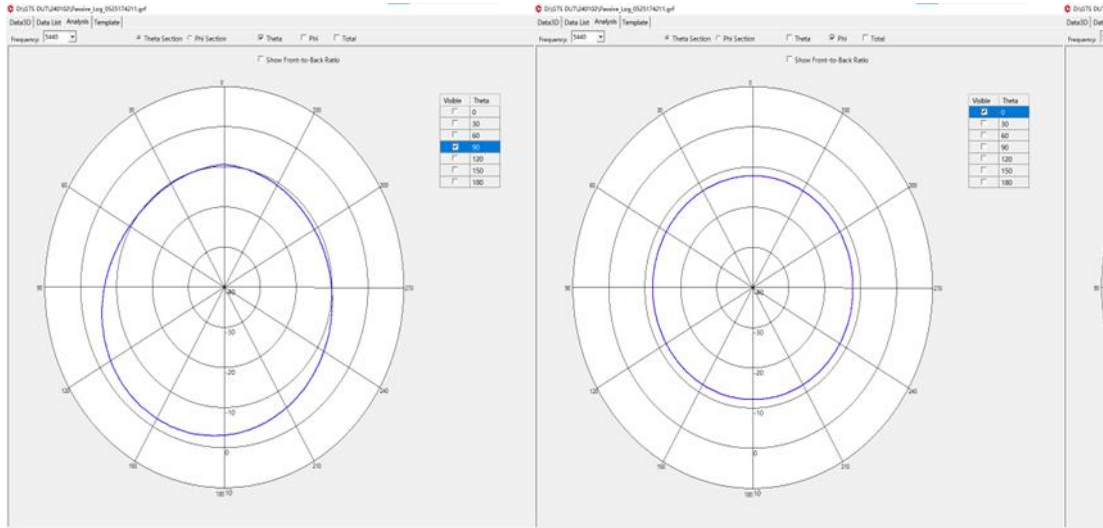
	dBi
WCDMA 8	-4.18

ANT2

band	Gain dBi
2.4G WIFI	-1.51



band	Gain dBi
5G WIFI	1.51



ANT3

band	Gain dBi
GPS	-1.58

