



Antenna Specification

Customer		Project	D2
Band	LBZJ	Color	Black
PN	X3363	Version	V1
Customer material number			

DATE: 2025/09/19

R&D			QC
Issued by	Checked by	Confirmed by	Checked by
Customer Confirm			

Environmental requirements: ☒ ROHS

☐ REACH

☐ 无

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1.Summary

This report summarizes the electrical results of our antenna to support the project D2.

2.General Description

2.1 Antenna Components/Part revisions

The antenna part number is T: A

2.2 Definitions

VSWR: Voltage Standing Wave Rate

TRP: Total radiated power

TIS: Total isotropic sensitivity

3. Electrical Performance

3.1 Antenna TIS&TRP test results

Band	N _{UL}	Frequency	Result(dBm)	Band	N _{UL}	Frequency	Result(dBm)
B1	18050	1925	21.93	B14			
	18300	1950	22.06				
	18550	1975	21.84		23330	793	17.85
B2	18650	1855	20.72	B25	26065	1852.5	18.97
	18900	1880	20.92		26365	1882.5	19.2
	19150	1905	20.43		26665	1912.5	18.56
B4	20000	1715	20.46	B26	26715	816.5	15.44
	20175	1732.5	20.21		26865	831.5	16.01
	20350	1750	18.74		27015	846.5	16.24
B5	20450	829	17.33	B30			
	20525	836.5	17.39				
	20600	844	17.9		27710	2310	21.07
B7	20850	2510	20.01	B41	40340	2565	23.41
	21100	2535	19.69		40620	2593	23.7
	21350	2560	19.72		41140	2645	23.66
B12	23035	701.5	15.12	B66	132022	1715	20.08
	23095	707.5	15.68		132322	1745	19.46
	23155	713.5	16.1		132622	1775	18.32
B13				B71	133172	668	15.87
					133297	680.5	16.68
	23230	782	17.56		133422	693	17.28

3.2 Gain & EFF%

ANTO			
		GAIN	EFF%
15N	600	-2.61	15.83
	610	-2.16	17.53
	620	-1.65	19.79
	630	-0.77	23.93
	640	-0.26	26.18
	650	0.52	31.49
	660	0.74	32.29
	670	0.65	29.38
	680	0.06	24.94
	690	-0.71	20.29
12N	700	-0.44	22.03
	710	0.9	28.25
	720	1.73	32.99
	730	2.06	35.43
	740	2.45	36.95
	750	2.39	35.28
	760	1.78	29.15
	770	1.23	24.24
	780	0.34	19.67
	790	-0.34	15.79

OR	820	2.22	38.63
	830	2.91	44
	840	3.3	48.33
	850	3.09	48.56
	860	2.91	46.82
	870	2.7	44.93
	880	2.15	40.29
	890	1.15	32.63
	900	0.18	26.91
OR	1700	3.46	50.1
	1760	3.4	52.16
	1820	3.73	46.17
	1880	5.02	57.61
	1940	4.13	51.53
	2000	4.16	49.82
	2060	3.93	48.01
	2120	4.46	50.14
	2180	3.95	50.2
	2240	3.31	50.31
	2300	3.55	48.18
	2360	3.96	52.43
	2420	4.42	48.81
	2480	4.57	50.02
	2540	4.57	47.58
	2600	5.75	50.14
	2660	5.43	43.74

ANT1		
	GAIN	EFF%
600	-7.97	5.32
610	-7.37	5.93
620	-6.87	6.58
630	-6.19	7.33
640	-4.85	8.75
650	-3.81	10.63
660	-2.65	13.65
670	-1.98	15.78
680	-1.74	17.53
690	-1.35	19.78
700	-1.21	19.98
710	-0.71	23.31
720	-0.74	24.26
730	-0.74	24.53
740	-0.91	24.71
750	-1.18	25.22
760	-1.49	23.62
770	-1.59	23.72
780	-1.87	24.22
790	-1.48	24.28
800	-1.14	24.3
810	-1.51	22.06
820	-1.87	19.94
830	-1.99	18.74
840	-2.12	17.98
850	-2.14	16.52
860	-2.5	14.79
870	-2.53	13.72
880	-2.94	12.04
890	-3.68	9.99
900	-4.12	8.65

1700	1.54	32.47
1760	2.09	39.89
1820	1.85	46.23
1880	3.49	61.85
1940	3.33	48.7
2000	3.03	41.95
2060	2.94	38.32
2120	4.14	37.85
2180	4.37	37.72
2240	4.28	40.38
2300	3.44	40.99
2360	3.23	48.21
2420	3.73	45.93
2480	4.33	45.32
2540	3.93	41.58
2600	3.67	40.11
2660	3.14	37.9

ANT2		
	GAIN	EFF%
3300	-0.15	40.86
3360	-0.81	38.04
3420	-0.87	36.08
3480	-0.81	36.37
3540	-0.03	40.57
3600	1.1	46.58
3660	0.68	51.36
3720	0.88	55.16
3780	0.73	50.35
3840	0.58	47.57
3900	0.68	45.92
3960	0.24	44.24
4020	0.86	42.44
4080	0.55	39.07
4140	0.1	33.94
4200	-0.18	31.94

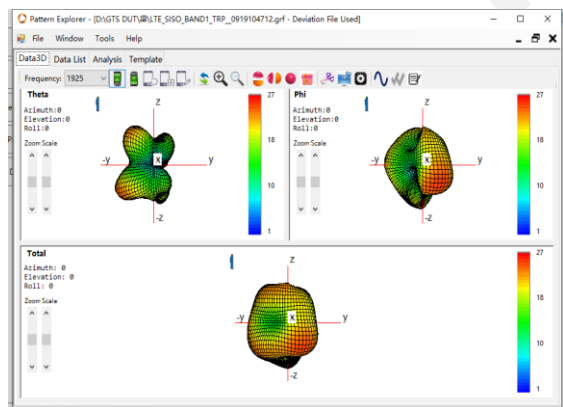
ANT3		
	GAIN	EFF%
3300	-1.37	22.05
3350	-2	24.04
3400	-1.54	25.5
3450	-0.9	27.72
3500	0.29	31.92
3550	0.49	34.55
3600	1.11	38.21
3650	0.32	36.07
3700	0.65	40.9
3750	0.59	37.43
3800	-0.42	33.18
3850	-0.84	28.23
3900	-1.26	24.92
3950	-1.1	23.58
4000	-1.21	22.57
4050	-1.12	24.16
4100	-0.94	25.58
4150	-0.87	27.25
4200	-0.28	31.12

GPSL1&L5				
		GAIN	EFF%	
L5	1160	-3.4	19.63	
	1165	-3.19	22.84	
	1170	-2.8	25.01	
	1175	-2.51	26.77	
	1180	-2.57	28.06	
	1185	-2.2	29.56	
L1	1550	2.32	64.98	
	1560	2.14	63.46	
	1570	2.16	61.84	
	1580	2.09	60.32	
	1590	2.19	59.45	
	1600	2.56	61.32	

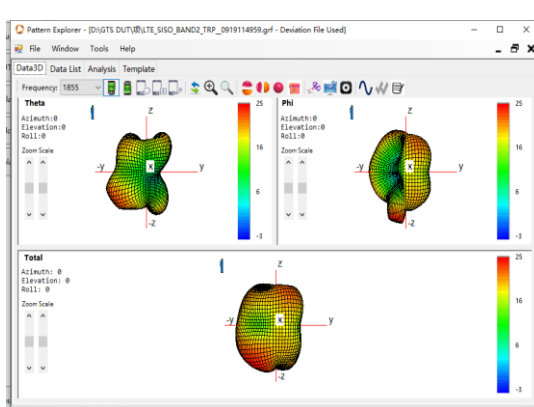
WIFI		
	GAIN	EFF%
2400	-0.25	26.99
2410	-0.1	27.91
2420	-0.01	28.59
2430	0.14	29.39
2440	0.32	31.21
2450	0.55	33.41
2460	0.79	35.67
2470	0.77	37.05
2480	0.89	39.38
2490	0.87	40
2500	0.98	41.8

3.3 3D Pattern

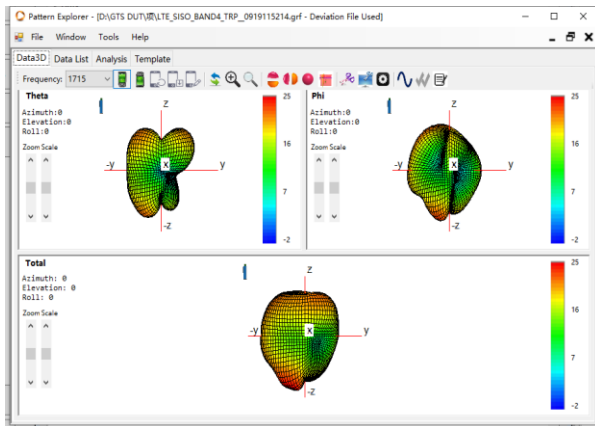
B1



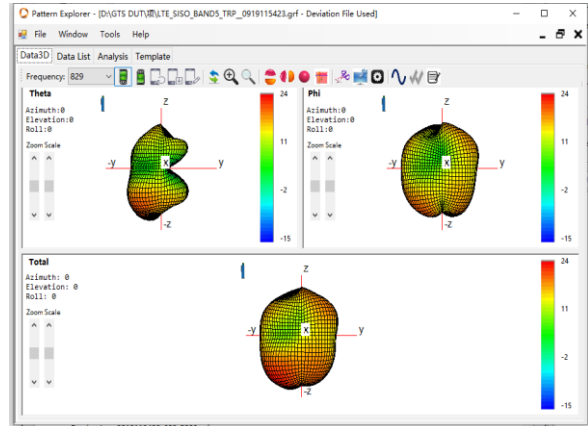
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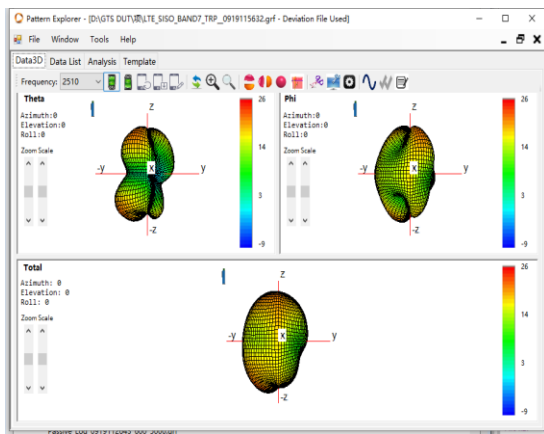
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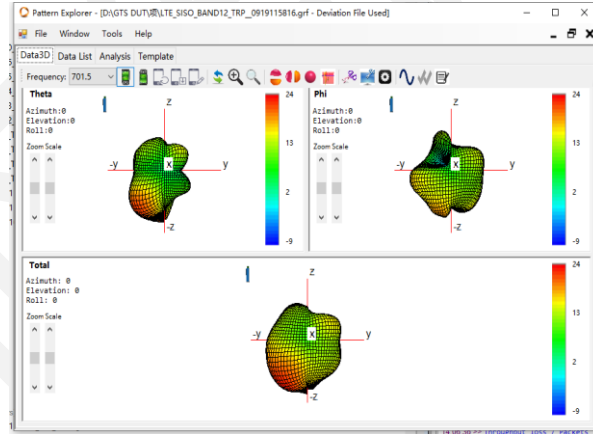
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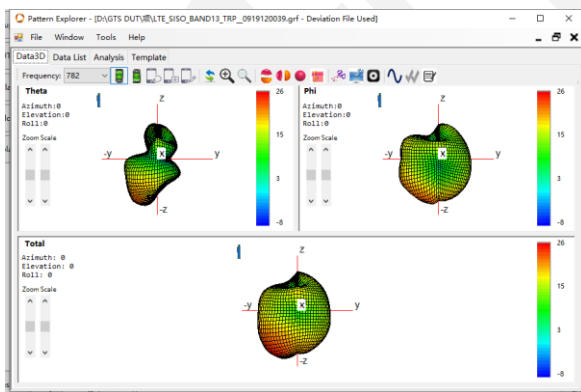
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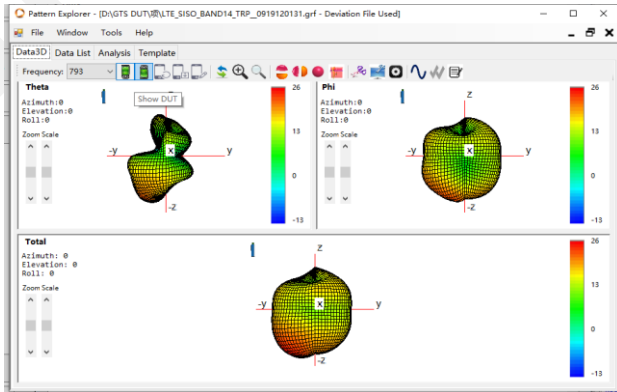
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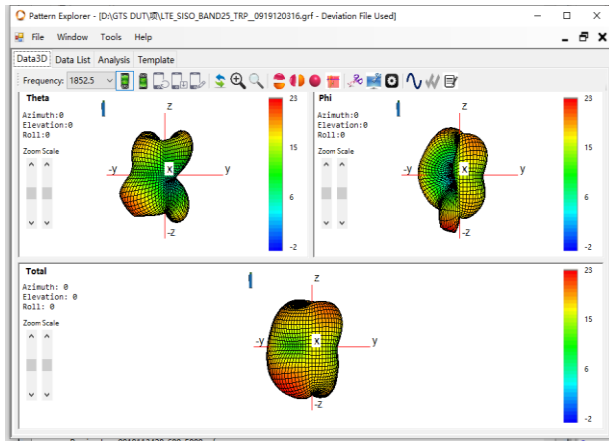
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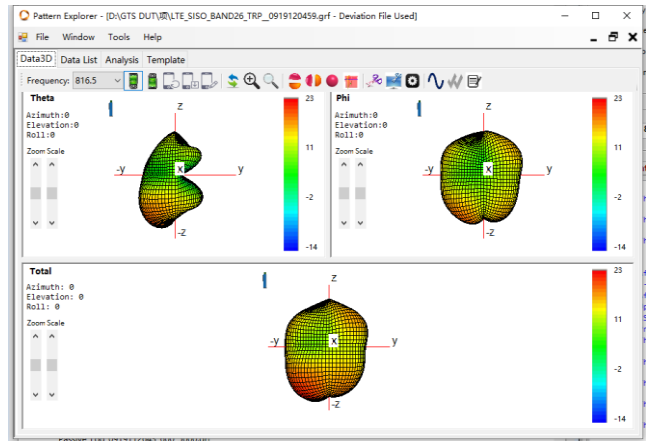
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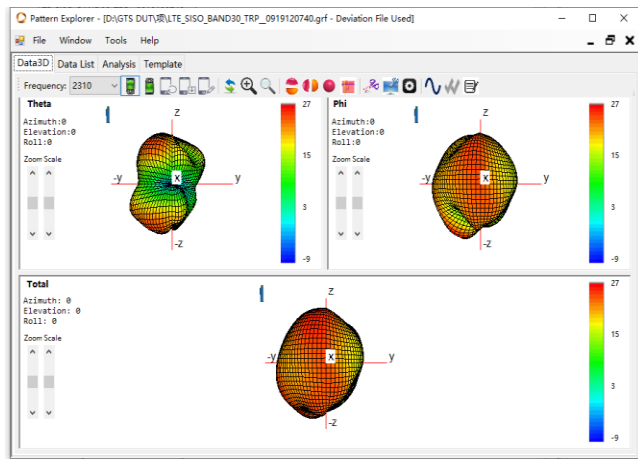
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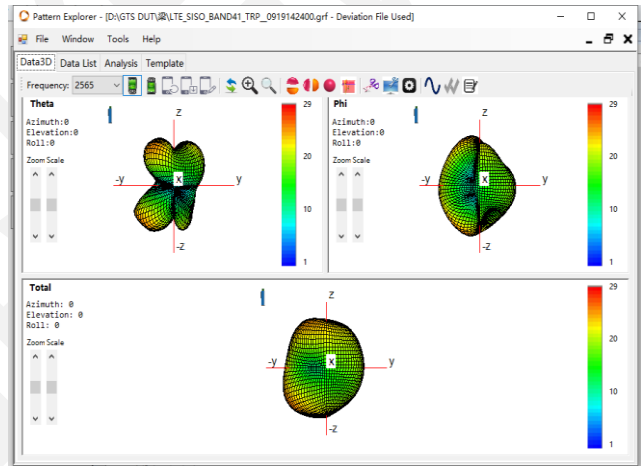
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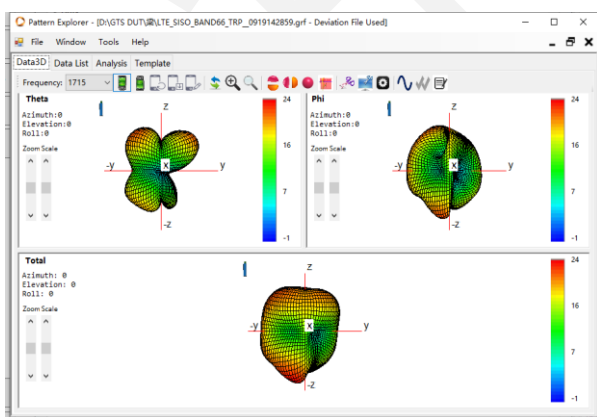
B30



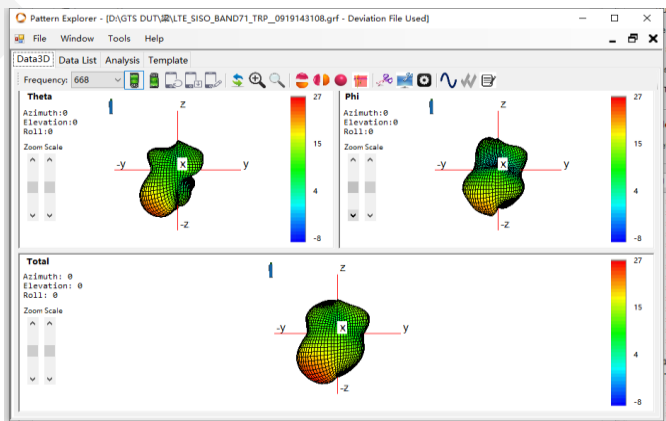
B41



B66



B71



4. Antenna Engineer drawing

