

Antenna Test Report

Model Name: Sprocomm

November 1, 2022

Main antenna OTA active data (free space)

Measurement	Band	Channel	Total
TRP	GSM850	128	23.82
TRP	GSM850	190	24.55
TRP	GSM850	251	24.5
TIS with RSSI	GSM850	251	-101.53
TRP	GSM900	975	24.09
TRP	GSM900	38	24.8
TRP	GSM900	124	23.8
TIS with RSSI	GSM900	124	-103.69
TRP	DCS1800	512	24.58
TRP	DCS1800	699	24.2
TRP	DCS1800	885	25.17
TIS with RSSI	DCS1800	885	-103.35
TRP	PCS1900	512	23.54
TRP	PCS1900	661	23.44
TRP	PCS1900	810	24.77
TIS with RSSI	PCS1900	810	-102.56
TRP	WCDMA_B1	9612	16.37
TRP	WCDMA_B1	9750	16.99
TRP	WCDMA_B1	9888	17.87
TIS with RSSI	WCDMA_B1	10838	-104.86

Measurement	Band	Channel	Total
TRP	WCDMA_B2	9262	17.61
TRP	WCDMA_B2	9400	16.77
TRP	WCDMA_B2	9538	16.1
TIS with RSSI	WCDMA_B2	9938	-105.63
TRP	WCDMA_B4	1312	18.84
TRP	WCDMA_B4	1413	18.48
TRP	WCDMA_B4	1513	18.67
TIS with RSSI	WCDMA_B4	1738	-106.78
TRP	WCDMA_B8	2712	15.92
TRP	WCDMA_B8	2787	16.05
TRP	WCDMA_B8	2863	15.75
TIS with RSSI	WCDMA_B8	3088	-103.61
TRP	FDD_B1	18050	17.52
TRP	FDD_B1	18300	18.39
TRP	FDD_B1	18550	18.96
TIS with RSSI	FDD_B1	550	-92.3
TRP	FDD_B2	18650	18.99
TRP	FDD_B2	18900	17.99
TRP	FDD_B2	19150	17.43
TIS with RSSI	FDD_B2	1150	-93.43

Measurement	Band	Channel	Total
TRP	FDD_B3	19250	19.51
TRP	FDD_B3	19575	19.28
TRP	FDD_B3	19900	19.37
TIS with RSSI	FDD_B3	1900	-94.05
TRP	FDD_B4	20000	18.36
TRP	FDD_B4	20175	18.35
TRP	FDD_B4	20350	18.31
TIS with RSSI	FDD_B4	2350	-92.61
TRP	FDD_B5	20450	15.43
TRP	FDD_B5	20525	16.18
TRP	FDD_B5	20600	16.77
TIS with RSSI	FDD_B5	2600	-92.21
TRP	FDD_B7	20800	17.86
TRP	FDD_B7	21100	17.8
TRP	FDD_B7	21400	17.58
TIS with RSSI	FDD_B7	3400	-88.04
TRP	FDD_B8	21500	16.41
TRP	FDD_B8	21625	16.58
TRP	FDD_B8	21750	16
TIS with RSSI	FDD_B8	3750	-91.76

Measurement	Band	Channel	Total
TRP	FDD_B12	23060	15.92
TRP	FDD_B12	23095	16.19
TRP	FDD_B12	23130	16.06
TIS with RSSI	FDD_B12	5130	-91.63
TRP	FDD_B17	23780	16.05
TRP	FDD_B17	23790	16.1
TRP	FDD_B17	23800	16.31
TIS with RSSI	FDD_B17	5800	-93.87
TRP	FDD_B28	27260	15.8
TRP	FDD_B28	27435	15.61
TRP	FDD_B28	27610	14.26
TIS with RSSI	FDD_B28	9610	-91.76
TRP	FDD_B66	132022	18.11
TRP	FDD_B66	132322	18.15
TRP	FDD_B66	132622	18.29
TIS with RSSI	FDD_B66	67086	-93.72

Three in one active data (free space, bright screen)

WiFi active

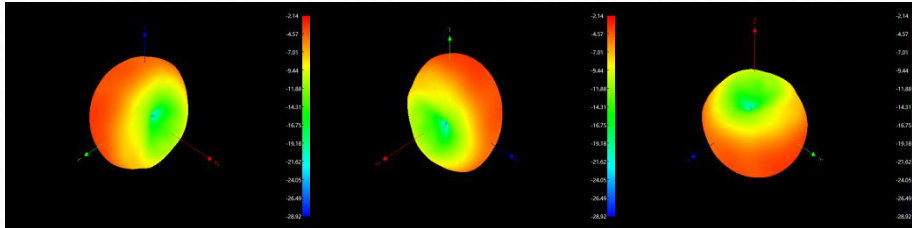
Measurement	Band	Channel	Total
TRP	WIFI_B (11M)	1	11.28
TRP	WIFI_B (11M)	6	12.04
TRP	WIFI_B (11M)	12	11.1
TIS(EIRP)	WIFI_B (11M)	12	-81.05
TRP	WIFI_G (54M)	1	10.17
TRP	WIFI_G (54M)	6	10.46
TRP	WIFI_G (54M)	12	10.25
TIS(EIRP)	WIFI_G (54M)	12	-68.28
TRP	WIFI_N_ISM (65M)	1	9.81
TRP	WIFI_N_ISM (65M)	6	10.16
TRP	WIFI_N_ISM (65M)	12	9.25
TIS(EIRP)	WIFI_N_ISM (65M)	12	-65.86
TRP	WIFI_A (54M)	36	8.62
TRP	WIFI_A (54M)	149	7.28
TRP	WIFI_A (54M)	165	7.71
TIS(EIRP)	WIFI_A (54M)	165	-67.26

GPS test data

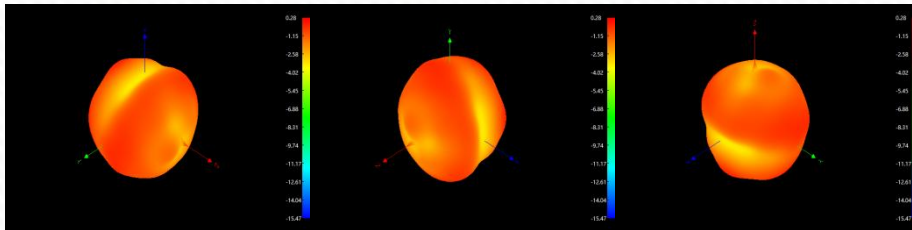
	1	L1	29.3	2.00	297.00
	10	L1	20.8	51.00	176.00
	12	L1	42.0	8.00	38.00
	16	L1	20.5	7.00	206.00
	21	L1	0.0	3.00	277.00
	22	L1	40.9	47.00	344.00
	23	L1	28.0	22.00	161.00
	25	L1	37.9	41.00	47.00
	26	L1	13.4	34.00	207.00
	29	L1	38.5	14.00	111.00
	31	L1	24.8	51.00	303.00
	32	L1	41.2	59.00	33.00
	65	L1	29.5	27.00	336.00
	71	L1	42.9	40.00	122.00
	72	L1	24.6	68.00	33.00
	73	L1	21.2	1.00	33.00
	74	L1	37.5	43.00	17.00
	75	L1	27.1	66.00	315.00

Antenna Gain	850	-1.5
	900	-1.4
	1800	0.5
	1900	0.3
	W1	0.1
	W2	0.3
	W4	0.3
	W5	-1.5
	W8	-1.4
	B1	0.1
	B2	0.3
	B3	0.5
	B4	0.3
	B5	-1.5
	B7	0.8
	B8	-1.4
	B12	-1.6
	B17	-1.6
	B28	-1.6
	B66	0.6
	WIFI2.4G	1.8
	WIFI5G	1.4
	BT	1.8
	GPS	1.2

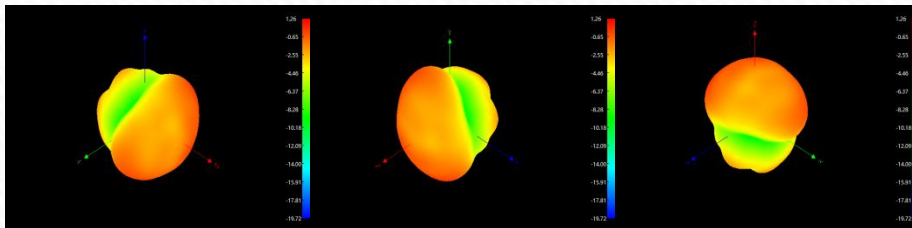
MAIN 3D (880MHz)



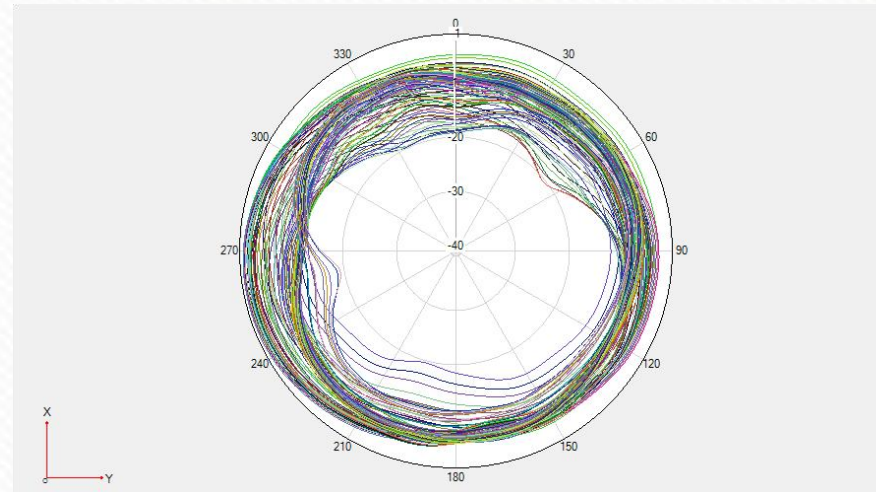
3D (1710MHz)



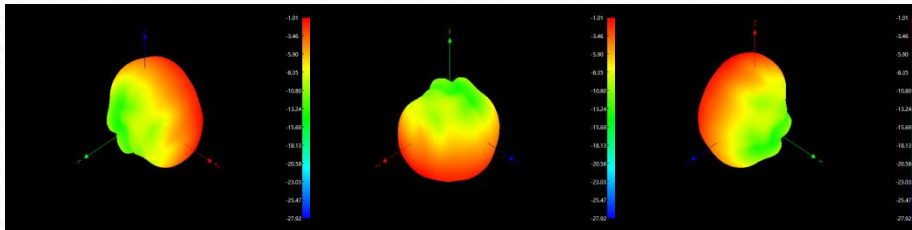
3D (1990MHz)



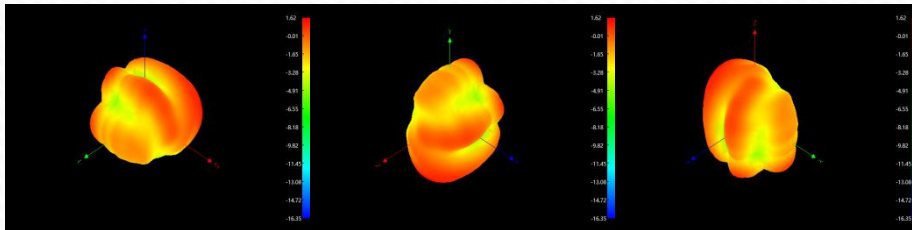
2D



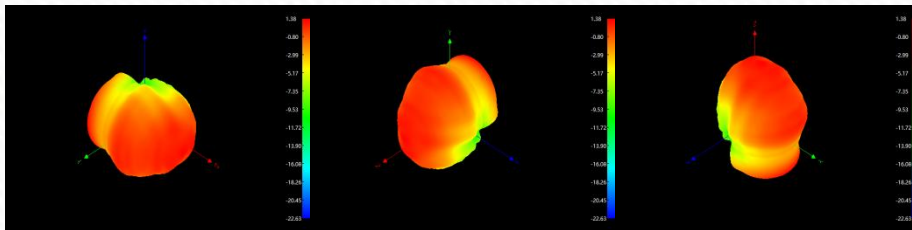
DIV 3D (950MHz)



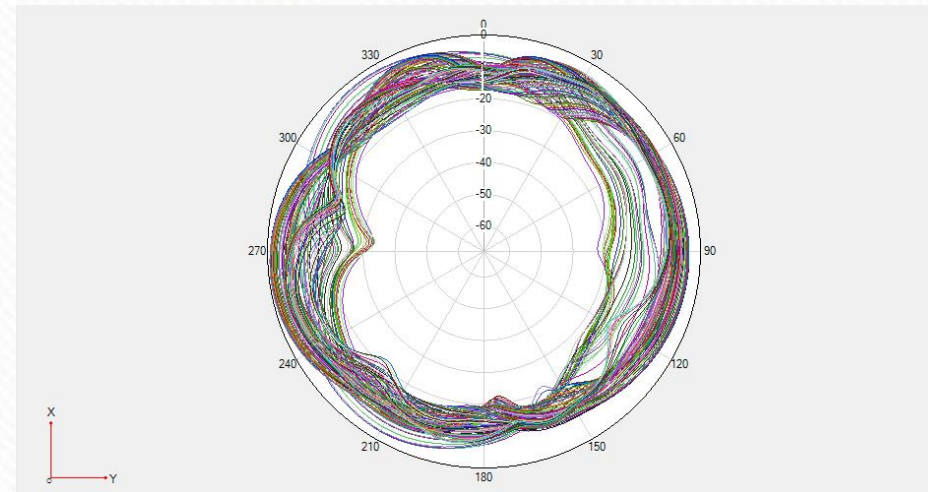
3D (1990MHz)



3D (2400MHz)

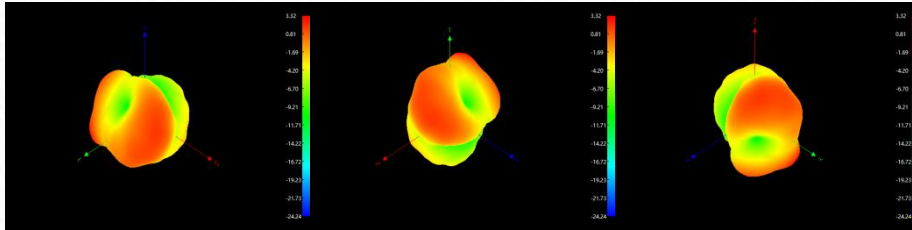


2D

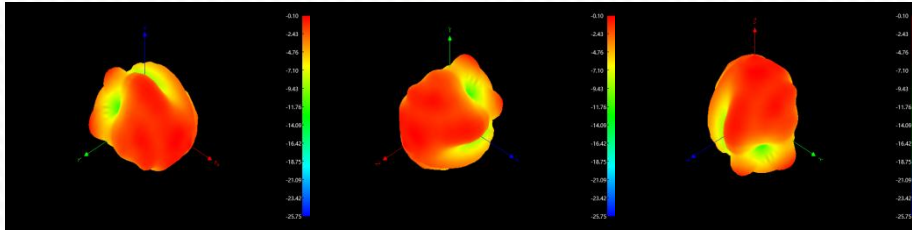


Antenna pattern

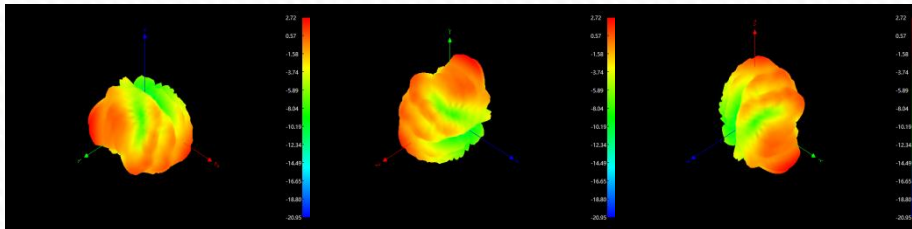
BWG 3D (1575MHz)



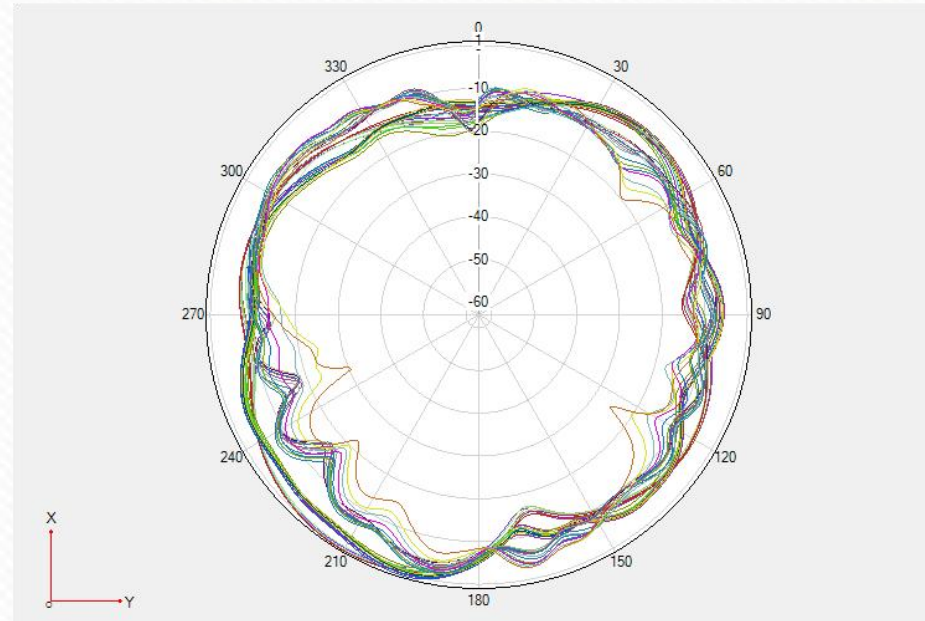
3D (2480MHz)



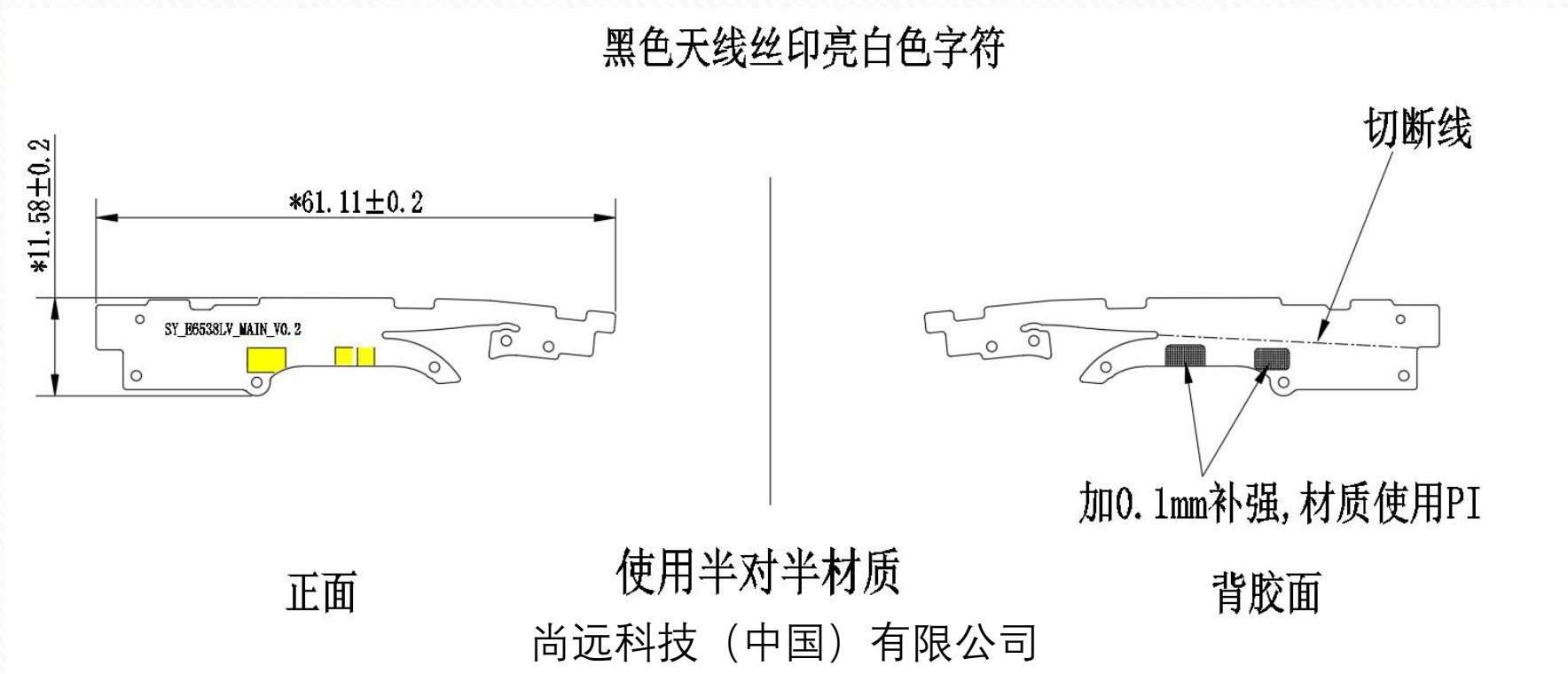
3D (5370MHz)



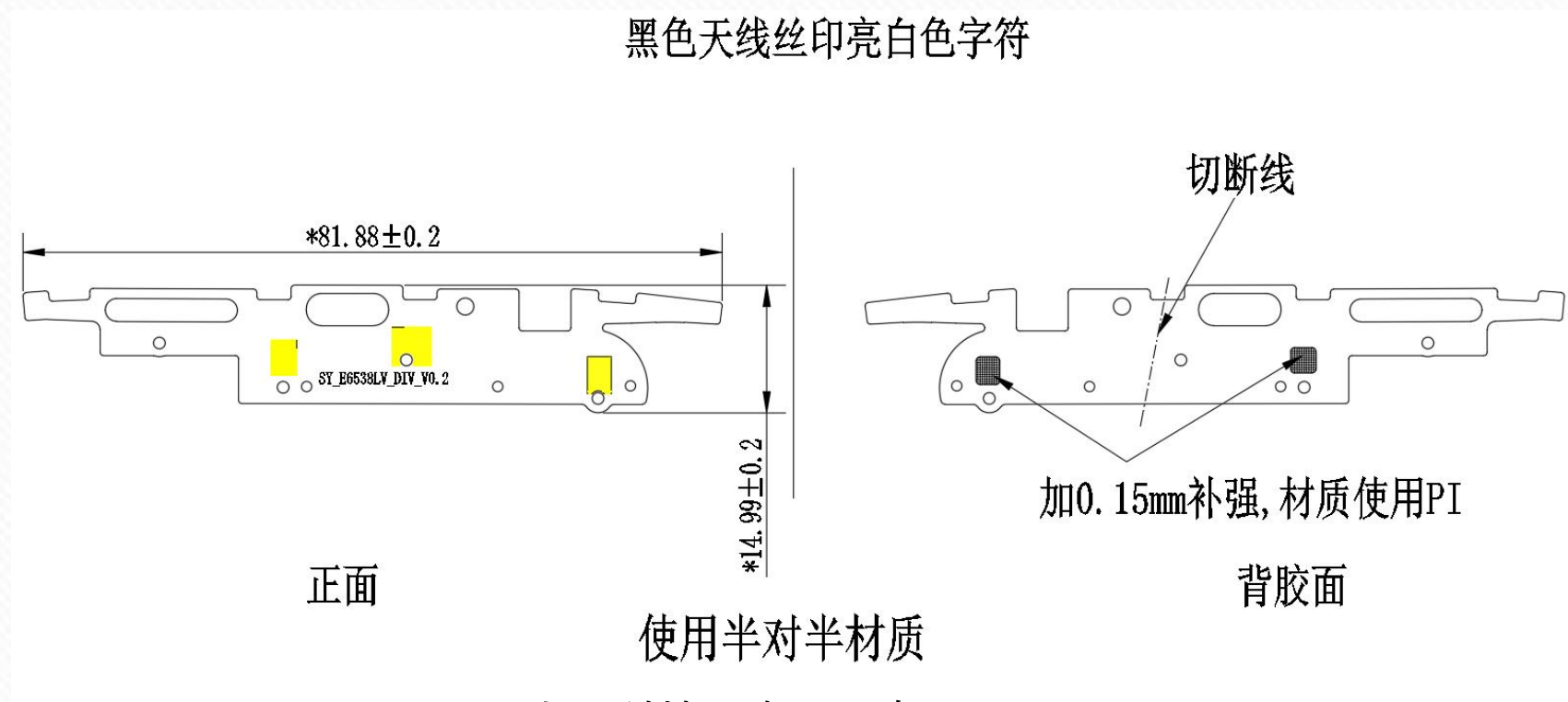
2D



MAIN:



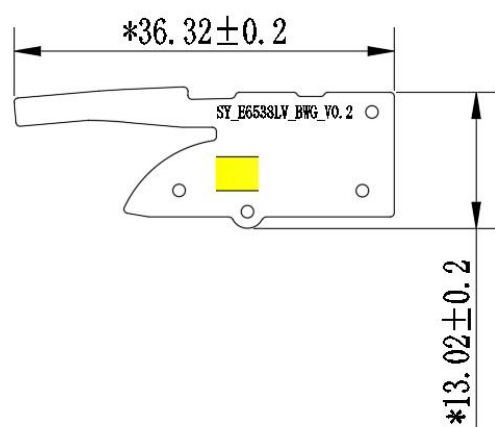
DIV:



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BWG:

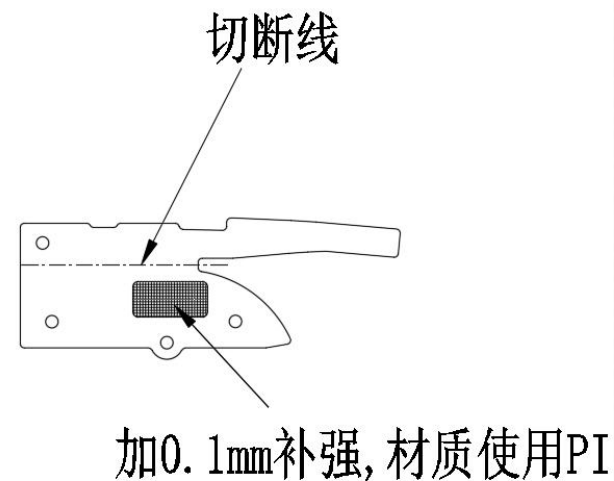
黑色天线丝印亮白色字符



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