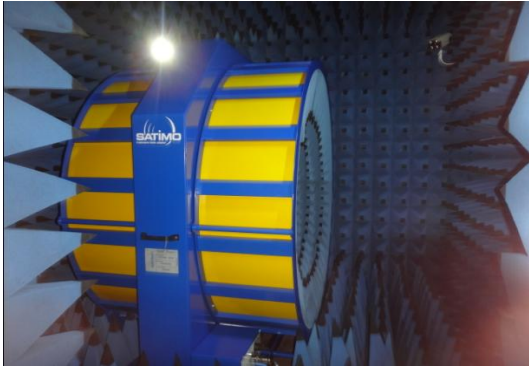


Test Report

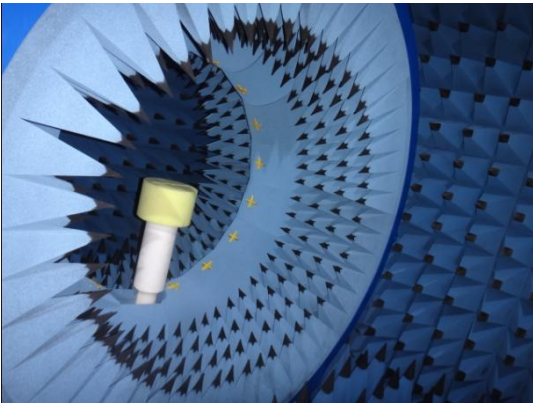


Customer Name	Small cool	Project Name	K11
Commissioning frequency band	GSM4P/WCDMA1/2/4/5/8 LTE:1/2/3/4/5/7/8/12/13/17/ 28/40/41/66	Structure mode	FPC
RF Engineer	Xie	Structural Engineer	Du Qiang
Antenna Type	LOOP	Date	2024-9-6

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The original imported French SATIMO StarLab 3D laboratory can accurately and quickly test the TRP, TIS, efficiency, gain, Apple diagram, directional diagram and other parameter data of communication terminal products such as mobile phones, tablet computers and notebooks.



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Free Space OTA

Band	Channel	TRP (dBm)	TIS (dBm)	Band	Channel	TRP (dBm)	TIS (dBm)
GSM900	L	24.5		DCS1800	L	24.8	
	M	25.2			M	25.5	
	H	25.5	-100.1		H	25.6	-102.5
GSM850	L	24.0		PCS1900	L	25.2	
	M	24.1			M	25.2	
	H	24.3	-102.0		H	24.5	-101.0
W850	L	16.0		W900	L	15.6	
	M	15.2			M	15.3	
	H	15.5	-104.5		H	15.2	-103.0
W1700	L	16.5		W1900	L	16.3	
	M	17.2			M	16.5	
	H	17.0	-102.1		H	17.0	-104.6
W2100	L	17.0		LTE-B1 (10MHZ)	L	17.5	
	M	16.5			M	17.1	
	H	15.8	-104.2		H	16.2	-93.0
LTE-B2 (10MHZ)	L	16.5		LTE-B3 (10MHZ)	L	17.0	
	M	17.0			M	17.3	
	H	16.8	-93.3		H	17.0	-92.5
LTE-B4 (10MHZ)	L	16.3		LTE-B5 (10MHZ)	L	15.5	
	M	16.8			M	16.1	
	H	17.0	-93.1		H	16.0	-92.5
LTE-B7 (10MHZ)	L	15.0		LTE-B8 (10MHZ)	L	16.2	
	M	16.2			M	16.3	
	H	15.7	-93.5		H	16.0	-92.2
LTE-B12 (10MHZ)	L	16.4		LTE-B17 (10MHZ)	L	16.1	
	M	16.5			M	16.4	
	H	16.2	-92.2		H	16.2	-92.1

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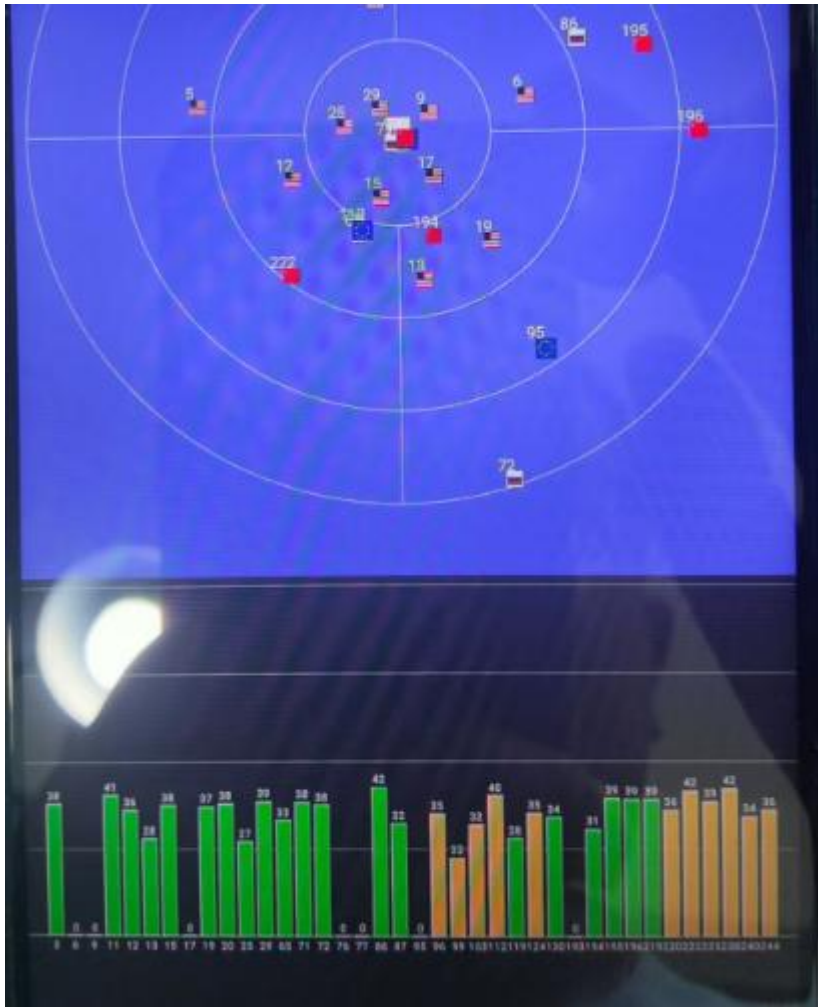
Band	Channel	TRP (dBm)	TIS (dBm)	Band	Channel	TRP (dBm)	TIS (dBm)
LTE-B28 (10MHZ)	L	16.7		LTE-B66 (10MHZ)	L	16.1	
	M	16.5			M	17.1	
	H	16.0	-92.4		H	17.6	-93.2
LTE-B40 (20MHZ)	L	14.5		LTE-B71 (10MHZ)	L	14.0	
	M	15.0			M	14.3	
	H	15.7	-92.0		H	14.1	-88.7

WIFI OTA

Band	Channel	TRP (dBm)	TIS (dBm)	Band	Channel	TRP (dBm)	TIS (dBm)
2.4G (B-mode) 11M	1	9.5	-81.5	5G (A-mode) 54M	36	8.2	-70.7
	7	11.7	-80.8		64	9.7	-71.2
	13	10.8	-80.1		165	9.9	-71.0

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GPS measurement



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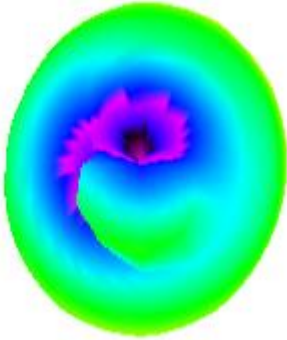
Antenna gain (Antenna Gain)

Standard	Band	Frequency (MHZ)	Gain (dbi)
LTE	FDD-B1	1940	-1.7
LTE	FDD-B2	1860	-2.5
LTE	FDD-B3	1720	0.7
LTE	FDD-B4	1720	0.7
LTE	FDD-B5	840	-4.8
LTE	FDD-B7	2520	-0.8
LTE	FDD-B8	910	-5.0
LTE	FDD-B12	710	-5.7
LTE	FDD-B13	780	-7.0
LTE	FDD-B17	710	-5.7
LTE	TDD-B28	710	-5.7
LTE	TDD-B38	2520	-0.8
LTE	TDD-B40	2520	-2.8
LTE	TDD-B66	1720	0.7
WCDMA	WCDMA-B1	1940	-1.7
WCDMA	WCDMA-B2	1860	-2.5
WCDMA	WCDMA-B4	1720	0.7
WCDMA	WCDMA-B5	840	-4.8
WCDMA	WCDMA-B8	910	-5.0
GSM	GSM 850	840	-4.8
GSM	GSM 900	910	-5.0
GSM	DCS 1800	1720	0.7
GSM	PCS 1900	1860	-2.5
GPS		1575	0.4
2.4G WiFi/BT		2480	2.7
5G WiFi		5500	0.9

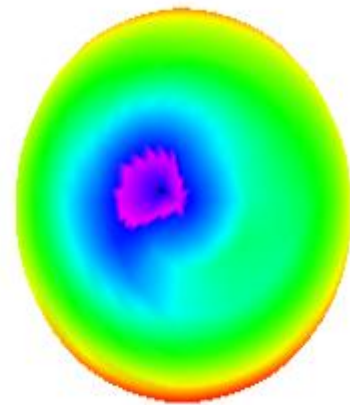
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Apple Chart

GSM900/W900/LTE-B8

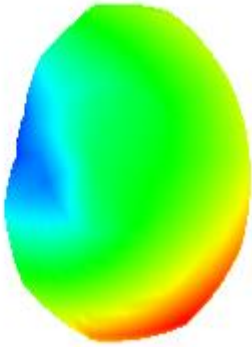


GSM850/W850/LTE-B5

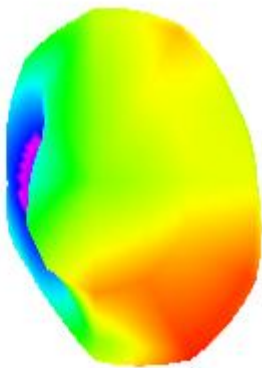


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DCS1800/W4/LTE-B3/4/66

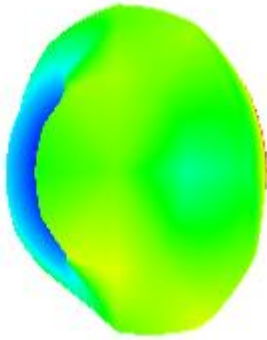


PCS1900/W2/LTE:2

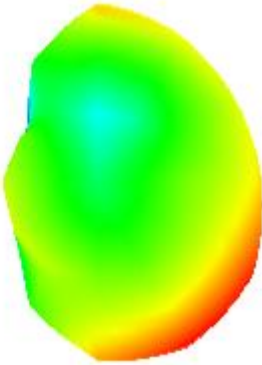


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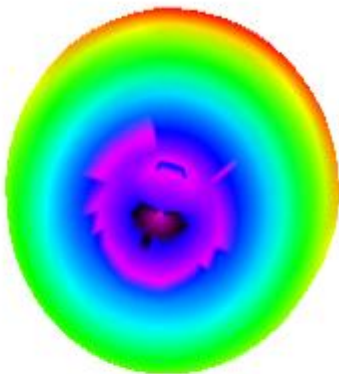
W2100/LTE-B1



LTE-B7/38

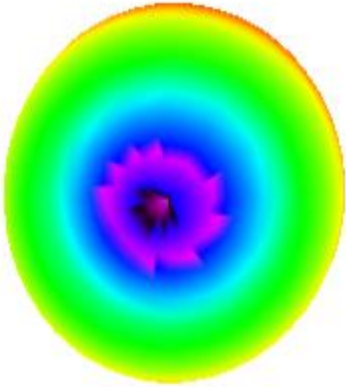


LTE-B12/17/28

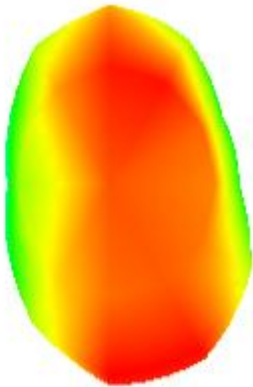


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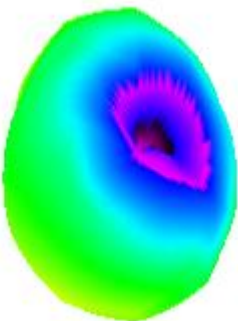
LTE-B13



LTE-B40

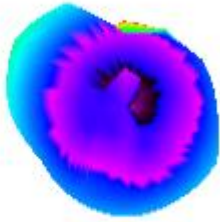


GPS



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2.4G WIFI/BT



5G WIFI

