

FCC Test Report

ANNEX 3 GSM&WCDMA

FCC ID: 2A5EP-S10

Applicant: SZ TPS CO., LTD
Address: Floor 2, Building 2, No.596, Zhoushi Road, Jiuwei Community, Hangcheng Street, Baoan District, Shenzhen, China
Manufacturer: SZ TPS CO., LTD
Address: Floor 2, Building 2, No.596, Zhoushi Road, Jiuwei Community, Hangcheng Street, Baoan District, Shenzhen, China
EUT: Tablet PC
Trade Mark: N/A
Model Number: S10, S8-9863A, S7-7731E, Q8-7731E, S10-9863A, W116, P30, M70, M50, SF116, SF133, K116, Q7, Q8, Q10, SQ8, 7 INCH KIDS, N10, W133B, W101, P10, W801, K8, W102, FS8-6753, N4120, A789, RK3126
Date of Receipt: Feb. 25, 2022
Test Date: Feb. 25, 2022 – Mar. 20, 2022
Date of Report: Mar. 20, 2022
Prepared By: Shenzhen DL Testing Technology Co., Ltd.
Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China
Applicable Standards: FCC CFR Title 47 Part22 Subpart H
FCC CFR Title 47 Part24 Subpart E
FCC CFR Title 47 Part27
ANSI/ TIA/ EIA-603-D-2010
FCC KDB 971168 D01 Power Meas. License Digital Systems v02v02
ANSI C63.26:2015
Test Result: Pass

TABLE OF CONTENTS

Test Report Declaration	Page
1. EMISSION TEST RESULTS	3
1.1. -26dB and 99% Occupied Bandwidth	3
1.2. Conducted Spurious Emissions	10
1.3. Conducted Out of Band Emissions	46

1. EMISSION TEST RESULTS

1.1. -26dB and 99% Occupied Bandwidth

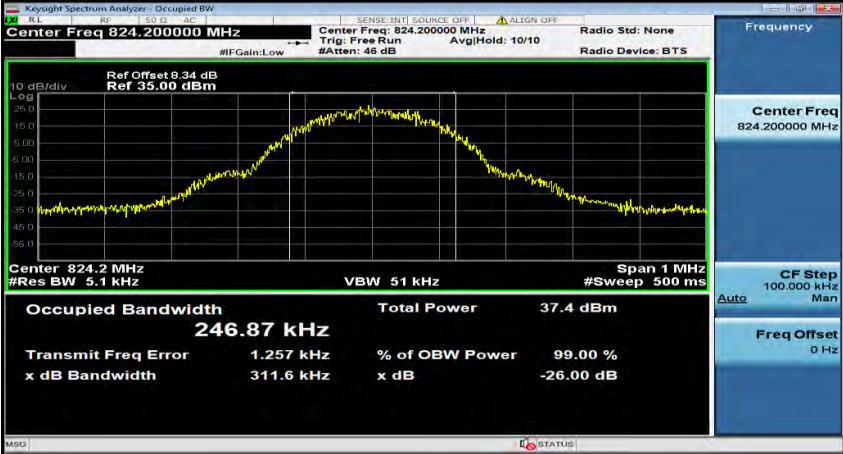
1.1.1. Test Result

EUT Mode	Channel	Frequency (MHz)	99% Occupy bandwidth (KHz)	-26dB bandwidth (KHz)
GSM 850 (GPRS 8 link)	128	824.20	246.87	311.60
	190	836.60	246.71	318.50
	251	848.80	246.95	310.80
GSM 850 (EGPRS 8 link)	128	824.20	255.43	318.40
	190	836.60	251.72	309.30
	251	848.80	251.78	323.60
PCS 1900 (GPRS 8 link)	512	1850.20	247.49	315.80
	661	1880.00	245.94	312.70
	810	1909.80	244.83	311.40
PCS 1900 (EGPRS 8 link)	512	1850.20	243.83	314.60
	661	1880.00	243.74	305.10
	810	1909.80	245.35	305.70
WCDMA Band 2 (RMC 12.2Kbps link)	9262	1852.4	4201.60	4781.00
	9400	1880.0	4178.90	4748.00
	9538	1907.6	4196.70	4785.00
WCDMA Band 5 (RMC 12.2Kbps link)	9262	1852.4	4176.20	4741.00
	9400	1880.0	4162.40	4715.00
	9538	1907.6	4175.80	4723.00

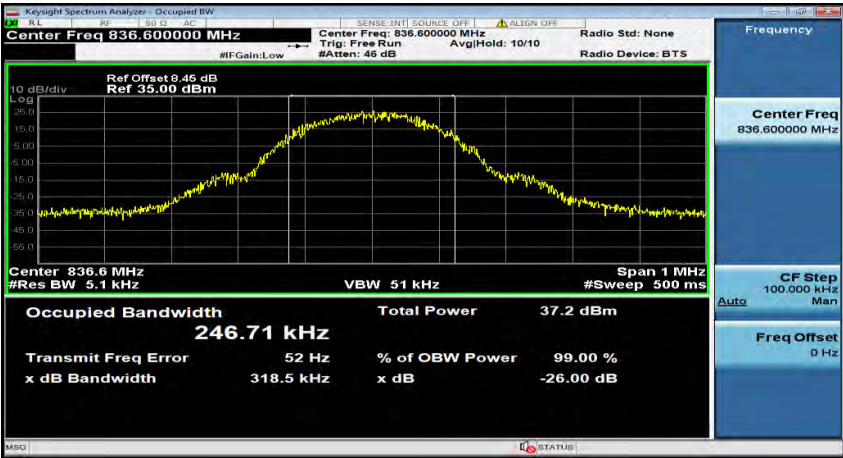
Note: Measurement Uncertainty: $\pm 20\text{Hz}$.

Test plot as follows:

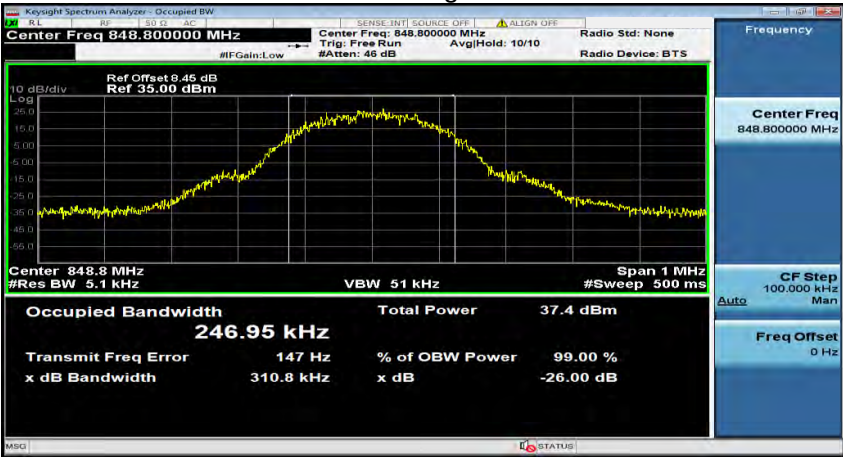
GPRS 850MHz Lowest channel



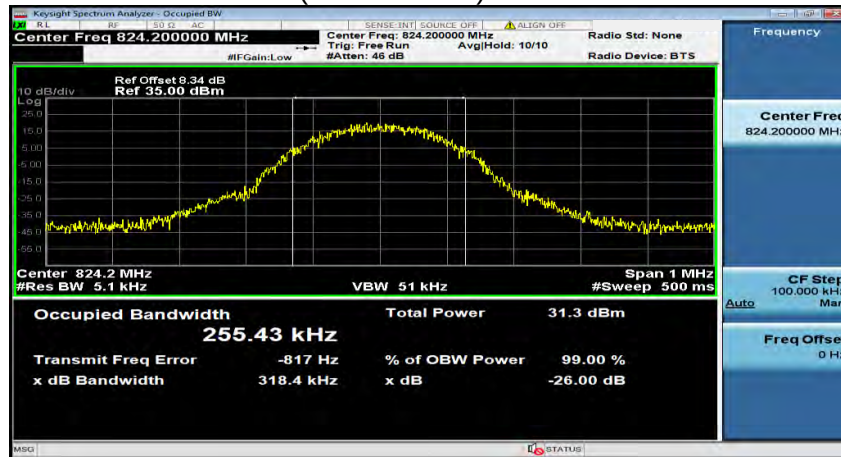
GPRS 850MHz Middle channel



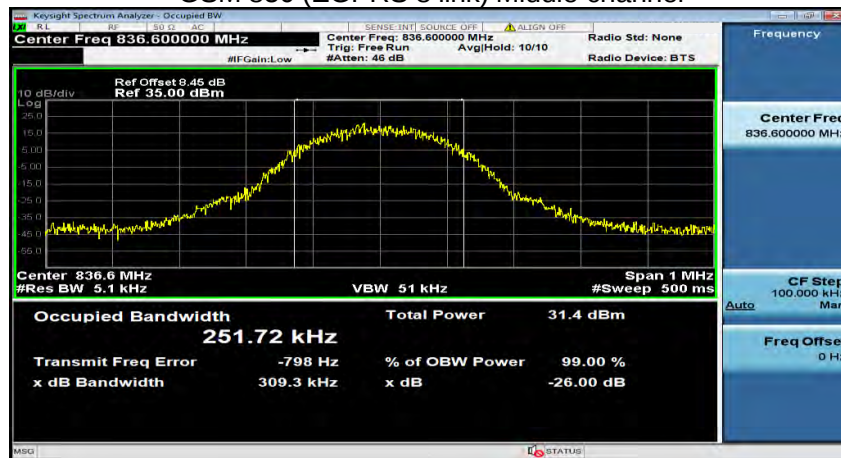
GPRS 850MHz Highest channel:



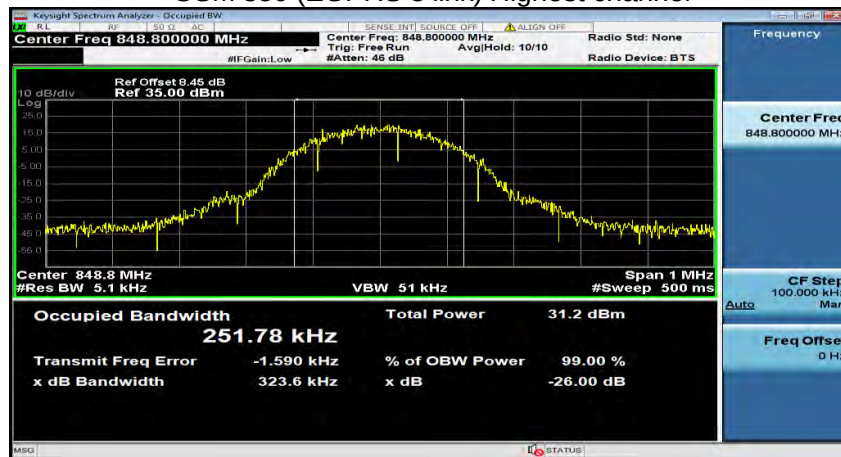
GSM 850 (EGPRS 8 link) Lowest channel



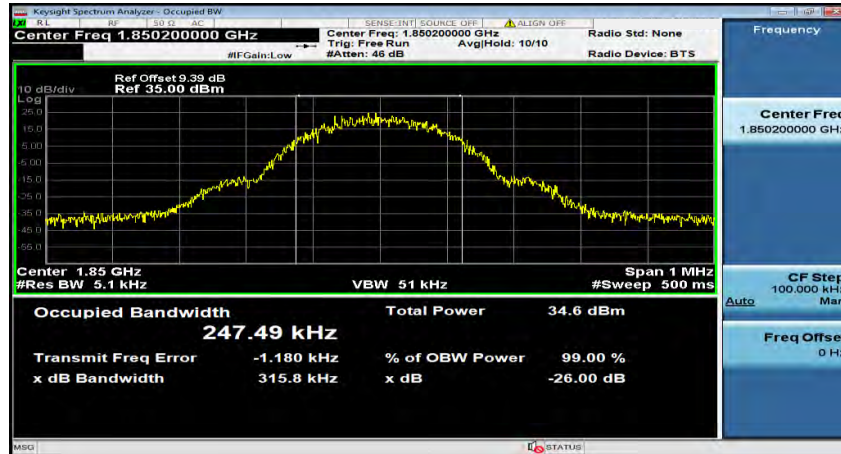
GSM 850 (EGPRS 8 link) Middle channel



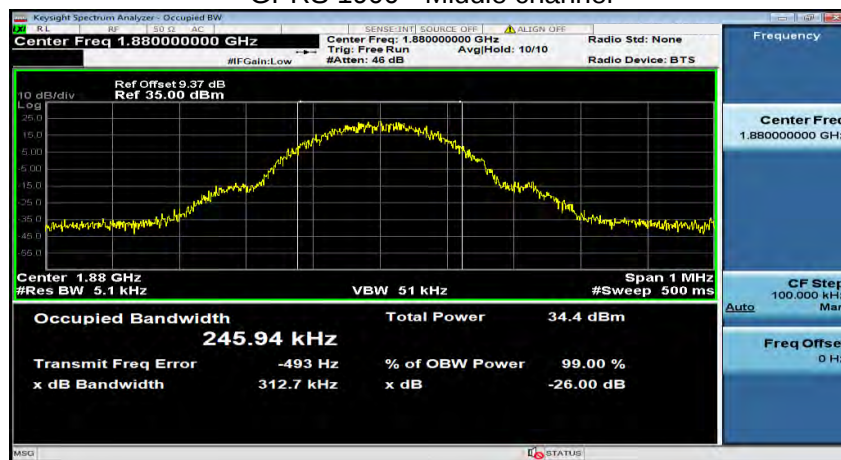
GSM 850 (EGPRS 8 link) Highest channel



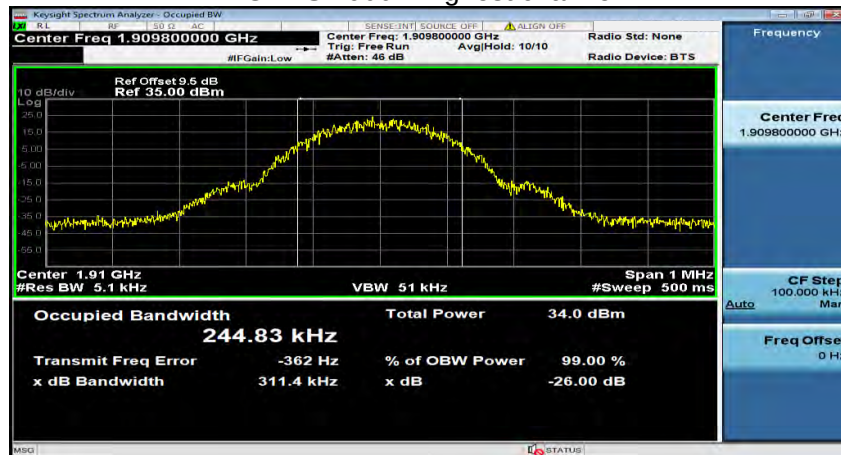
GPRS 1900 Lowest channel



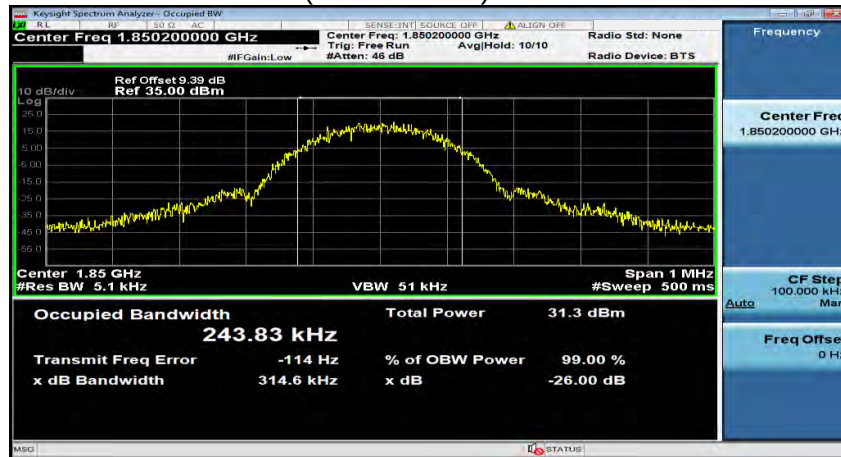
GPRS 1900 Middle channel



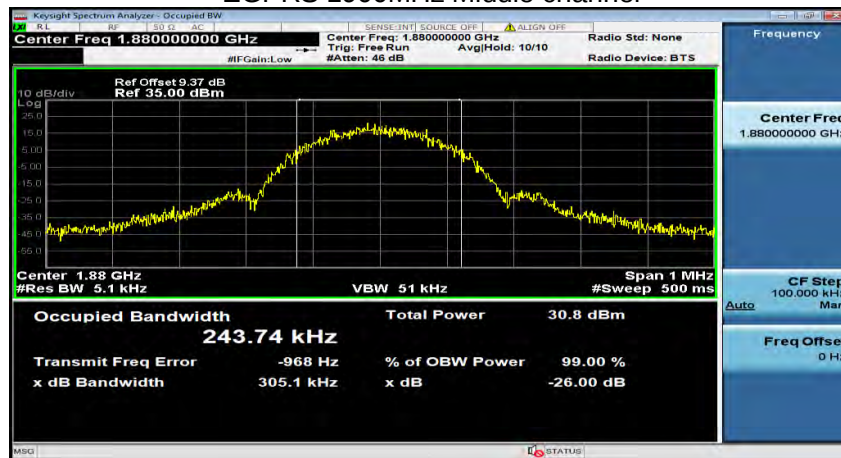
GPRS 1900 Highest channel



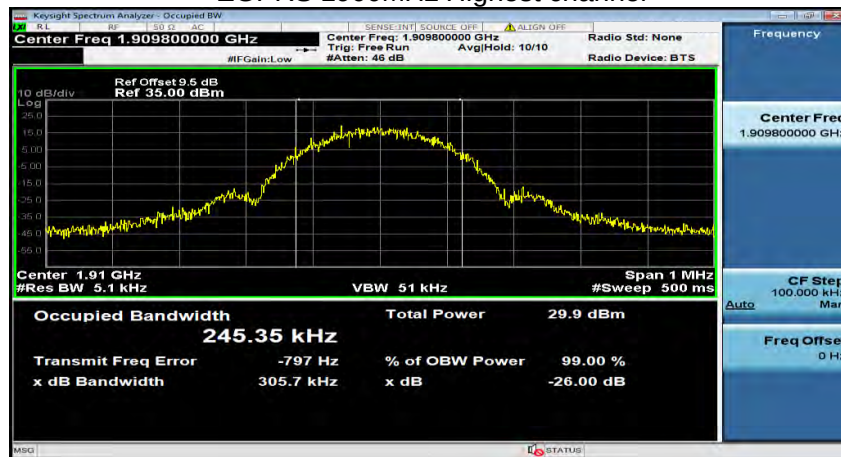
PCS 1900 (EGPRS 8 link) Lowest channel



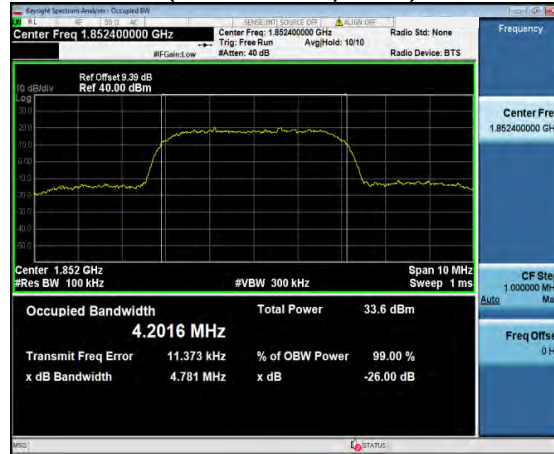
EGPRS 1900MHz Middle channel



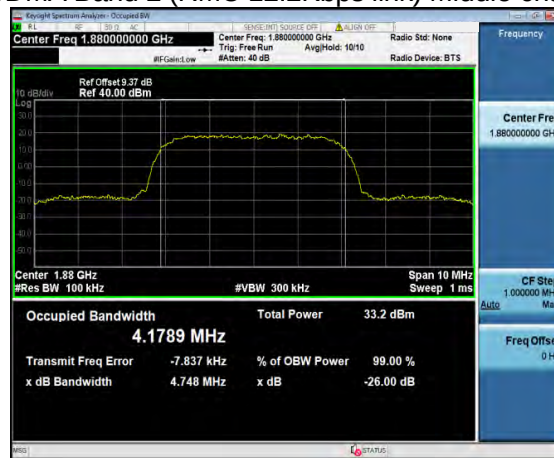
EGPRS 1900MHz Highest channel



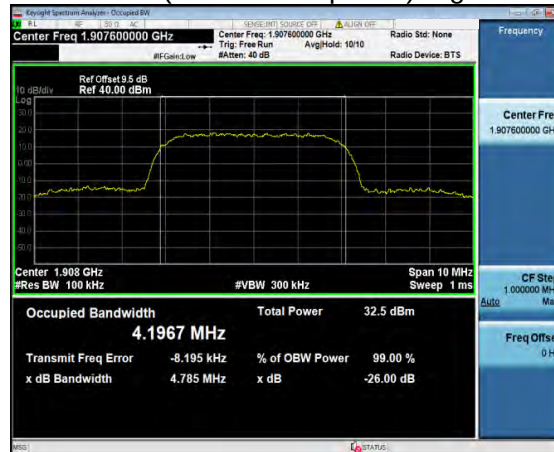
WCDMA Band 2 (RMC 12.2Kbps link) Lowest channel



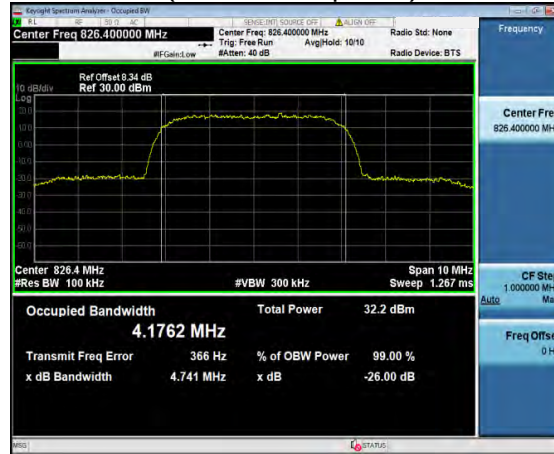
WCDMA Band 2 (RMC 12.2Kbps link) Middle channel



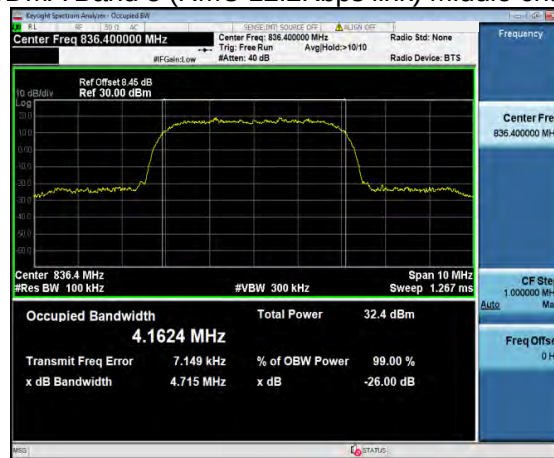
WCDMA Band 2 (RMC 12.2Kbps link) Highest channel



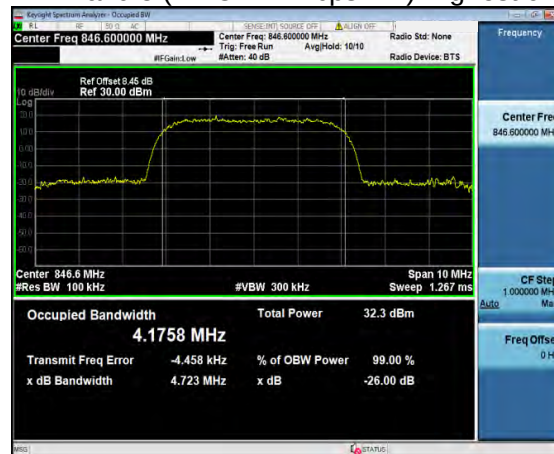
WCDMA Band 5 (RMC 12.2Kbps link) Lowest channel



WCDMA Band 5 (RMC 12.2Kbps link) Middle channel



WCDMA Band 5 (RMC 12.2Kbps link) Highest channel

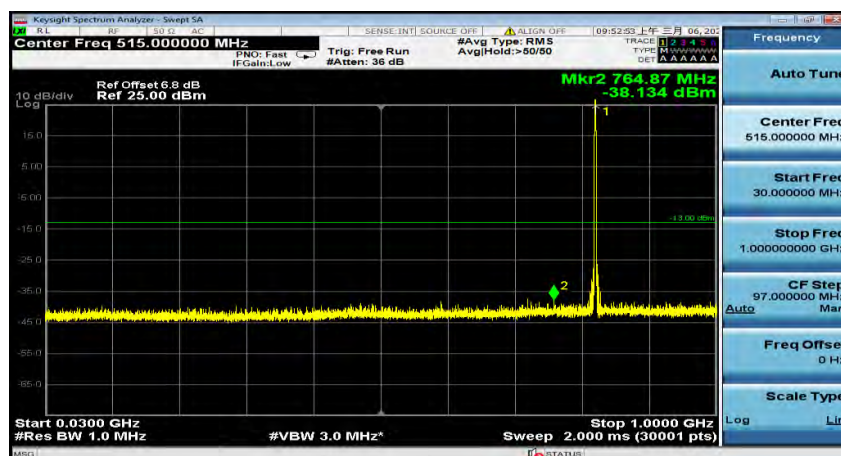
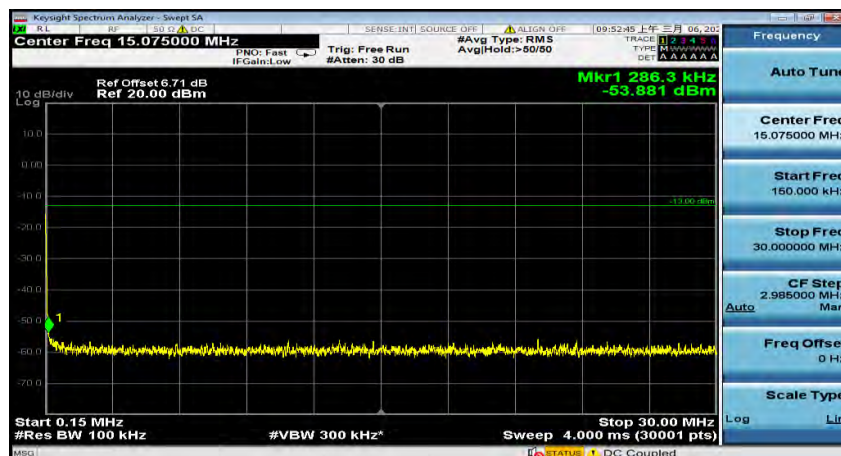
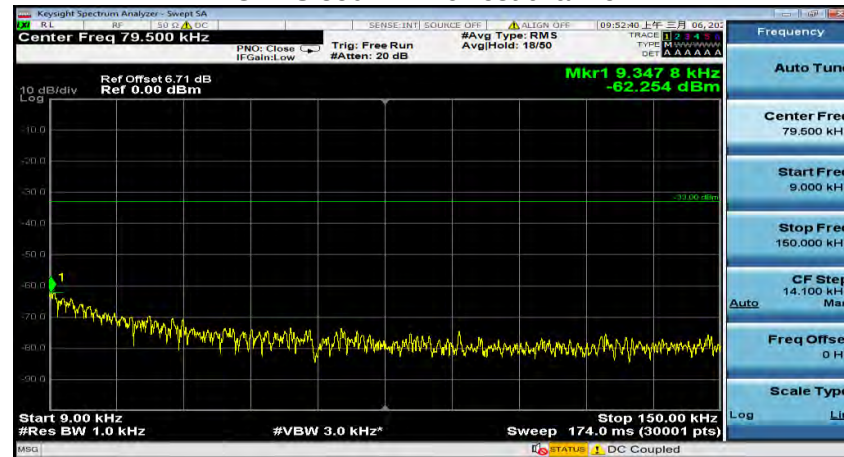


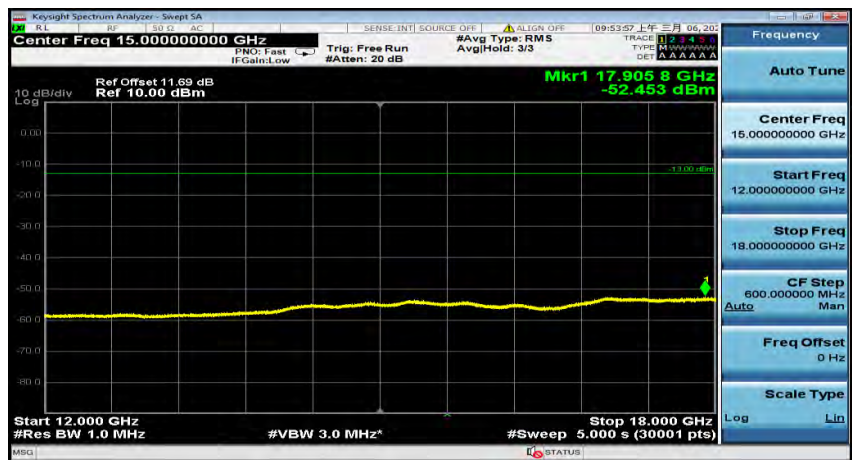
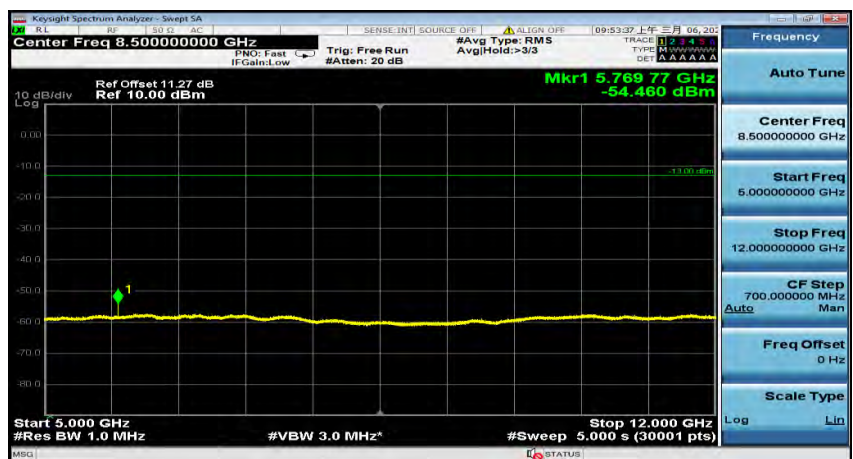
1.2. Conducted Spurious Emissions

1.2.1. Test Result

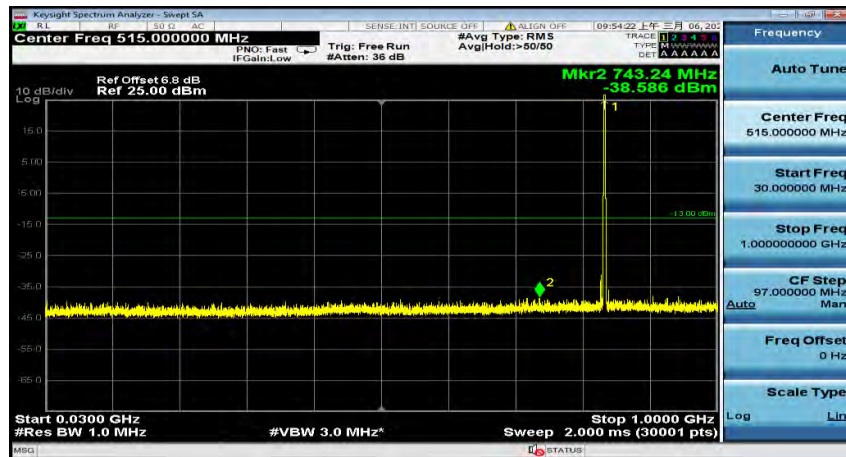
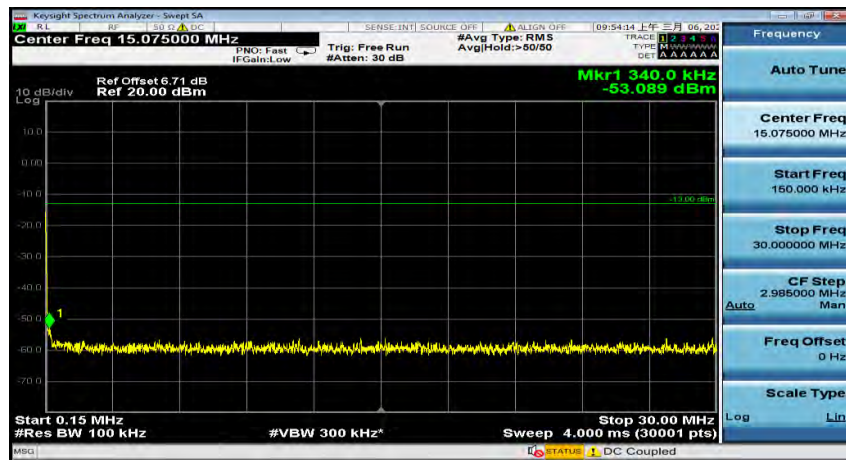
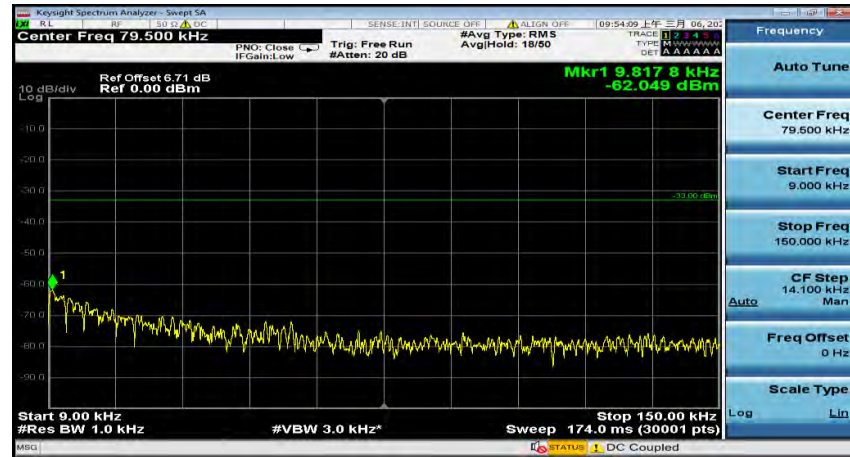
The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

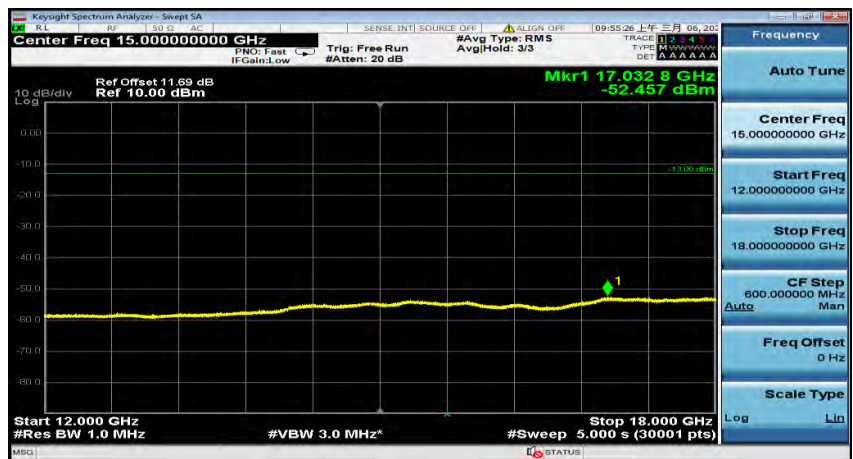
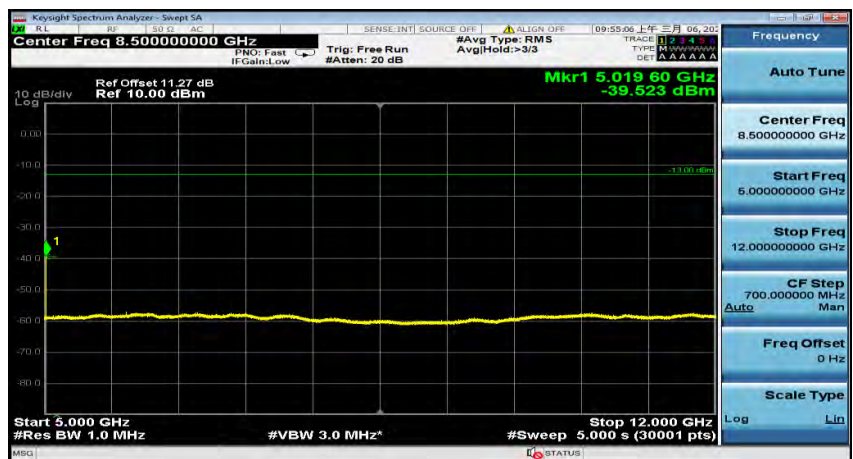
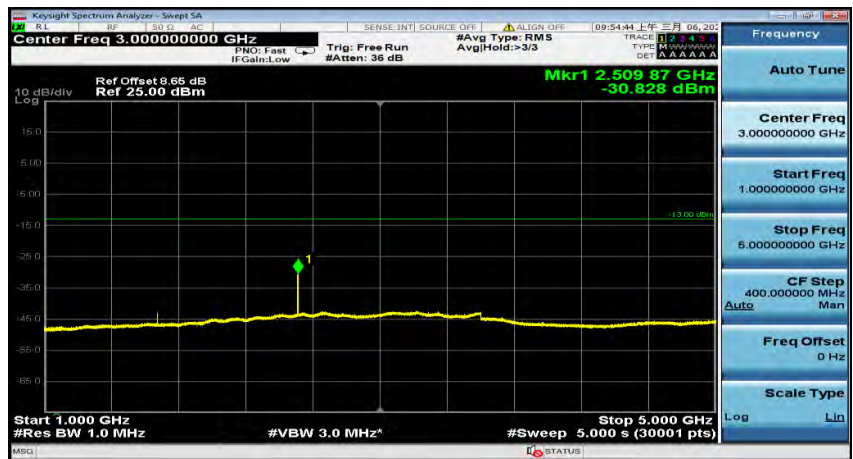
GPRS 850MHz Lowest channel



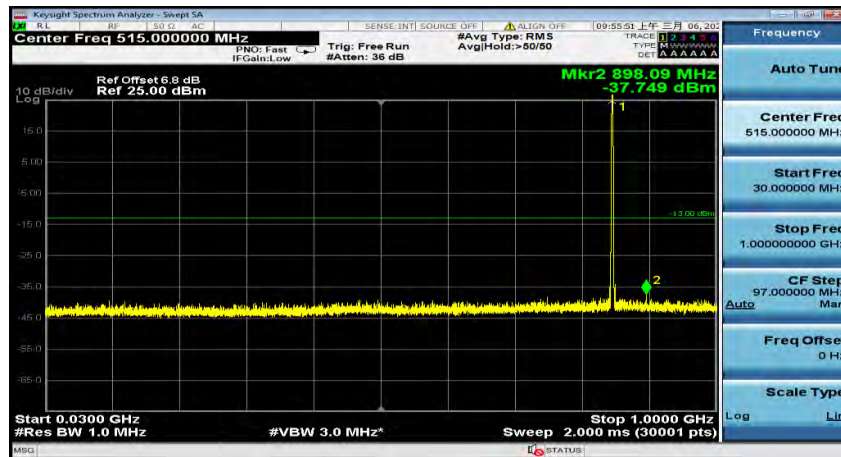
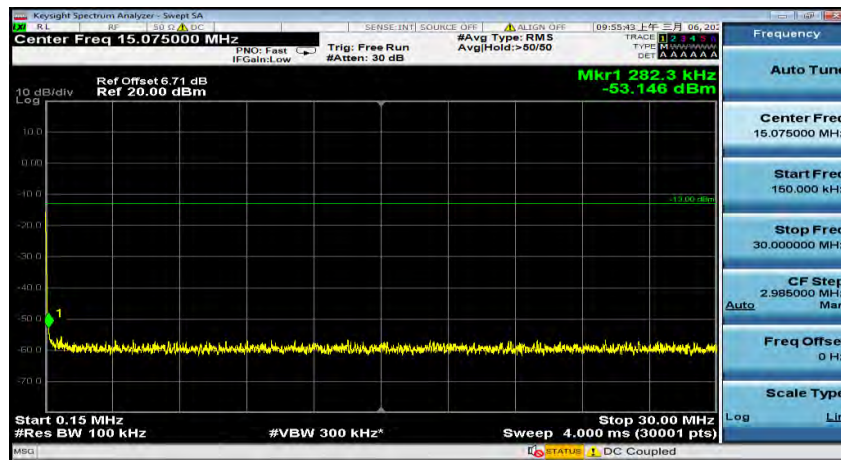
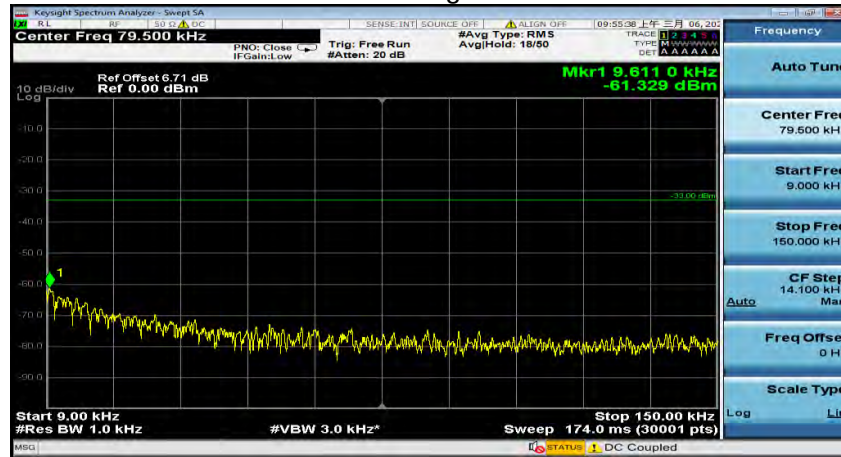


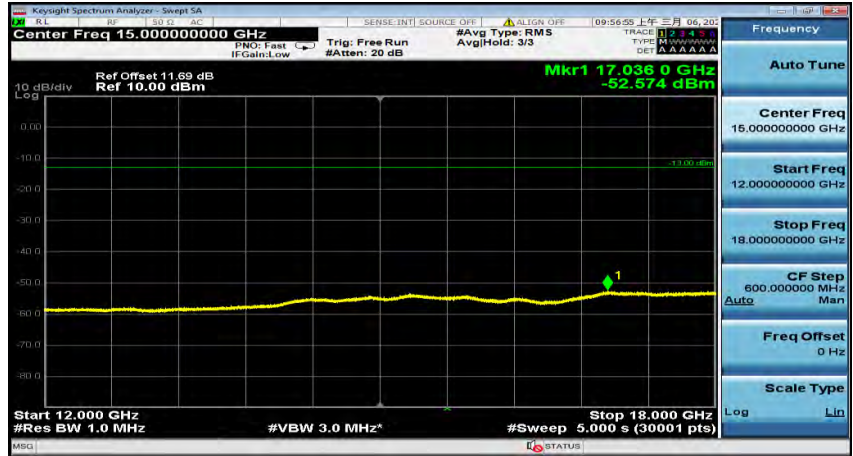
GPRS 850MHz Middle channel



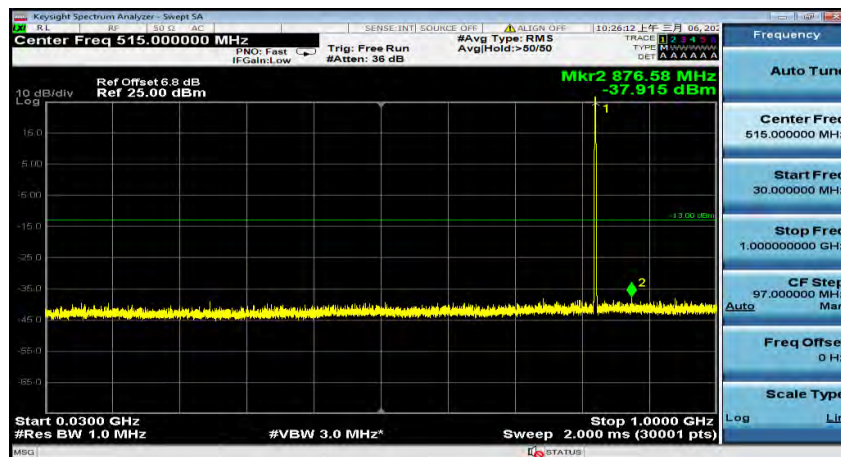
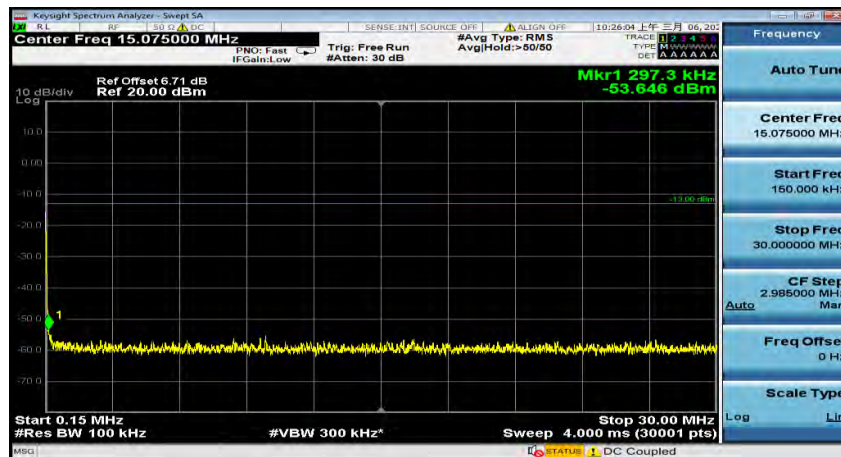
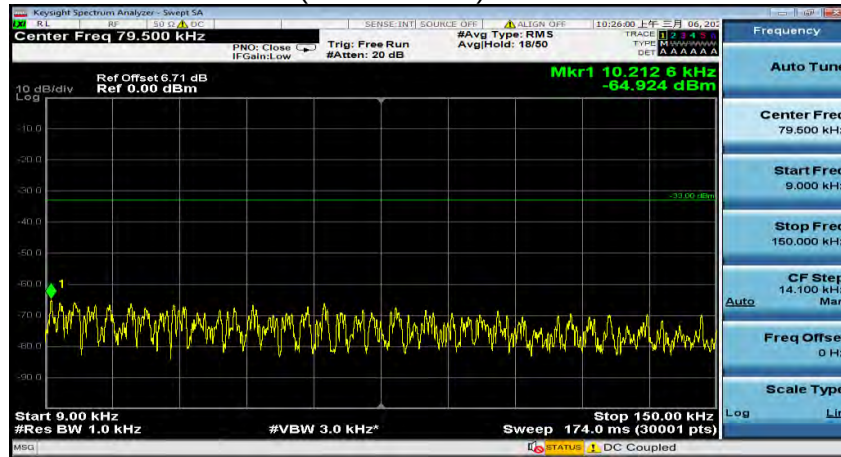


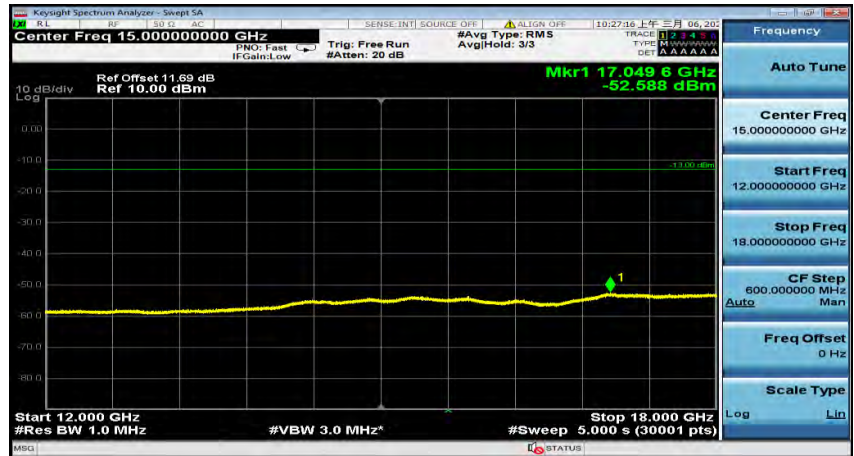
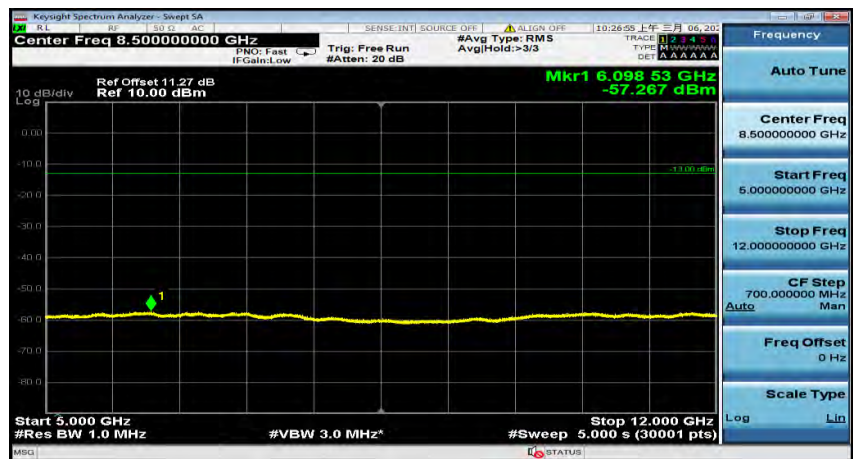
GPRS 850MHz Highest channel:



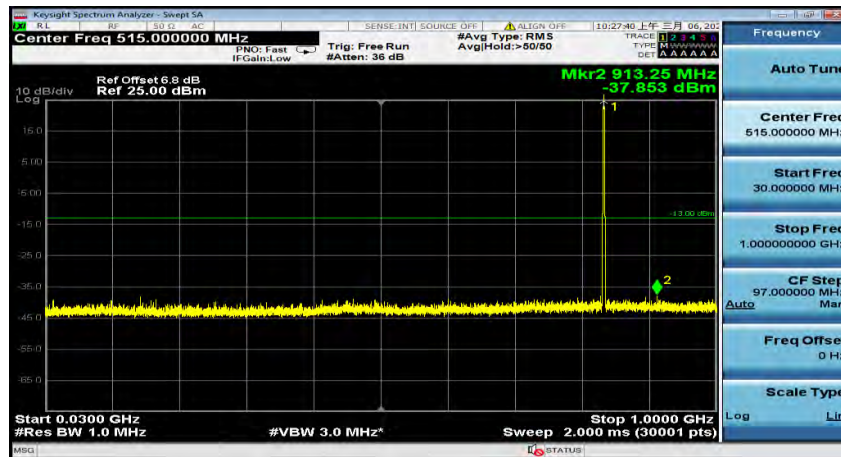
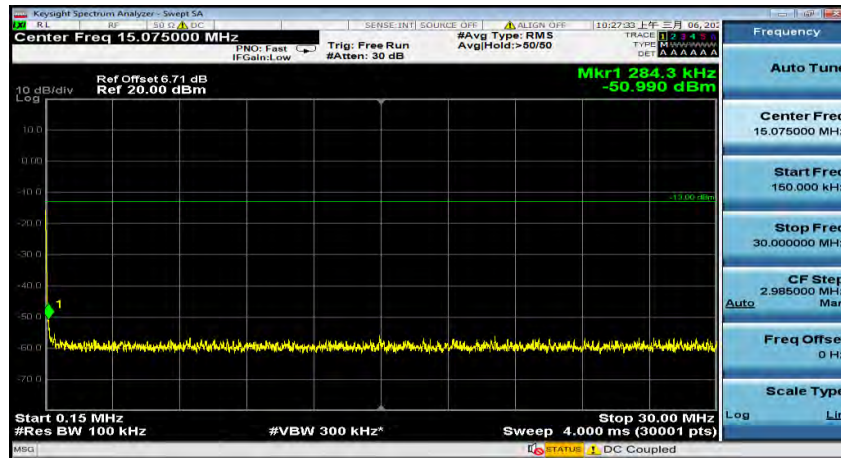
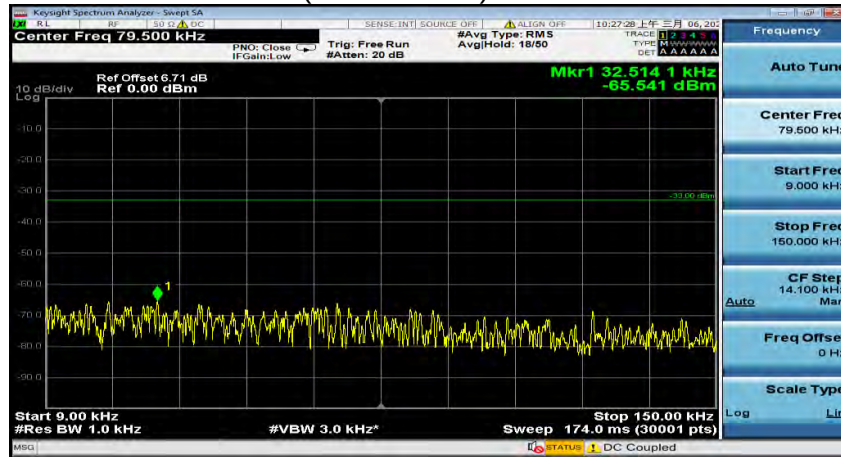


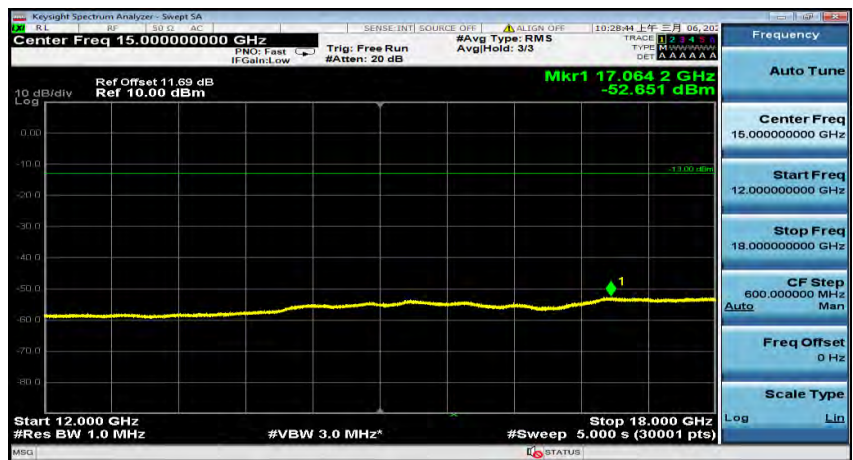
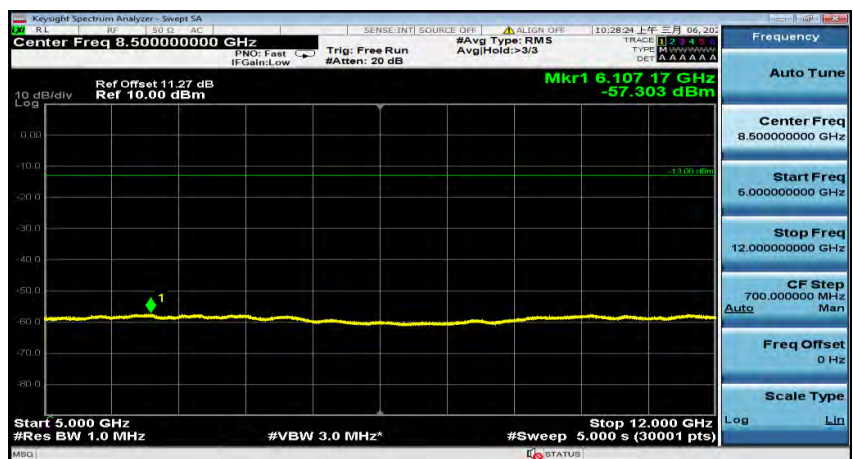
GSM 850 (EGPRS 8 link) Lowest channel



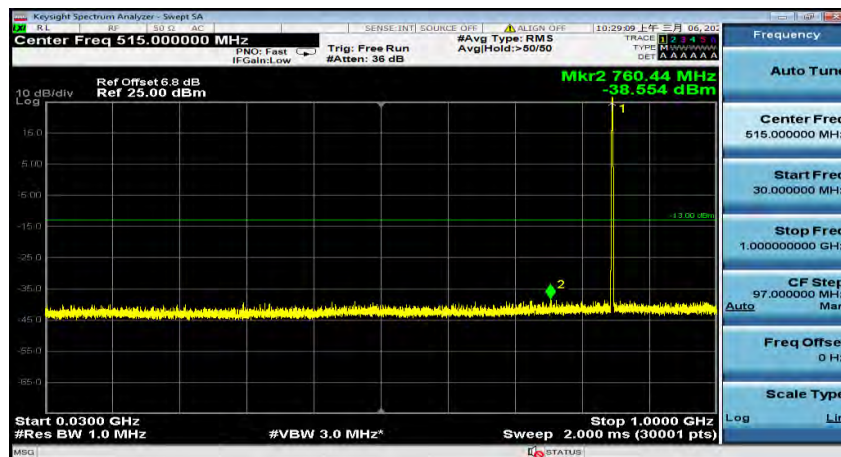
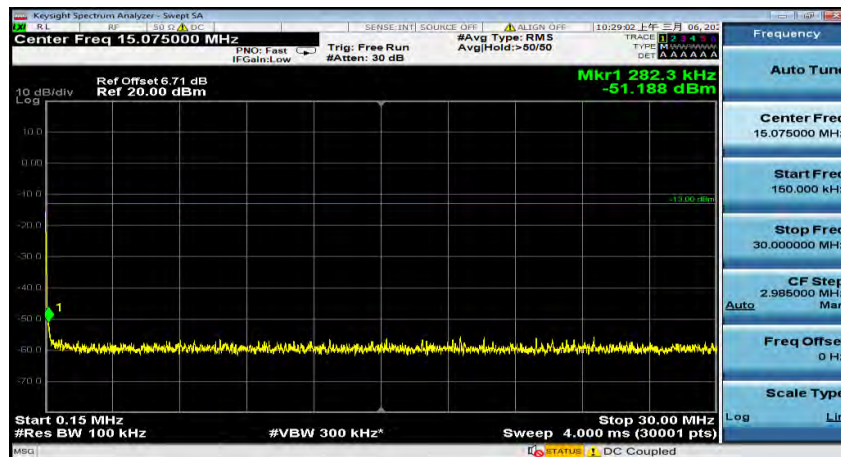
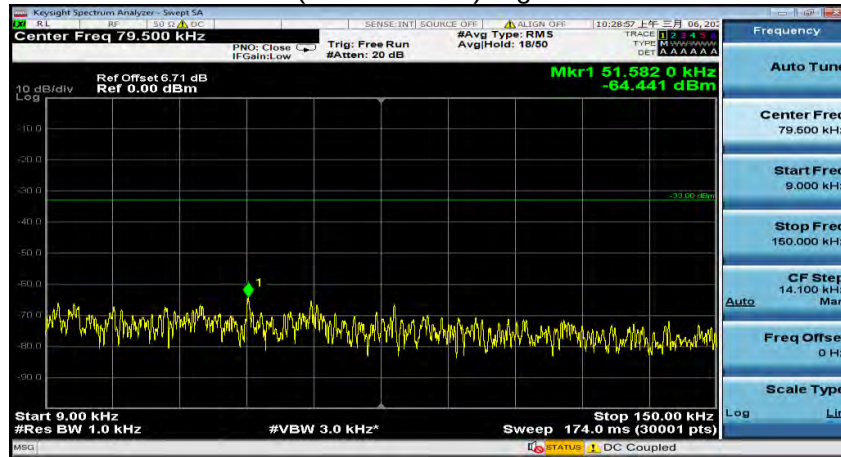


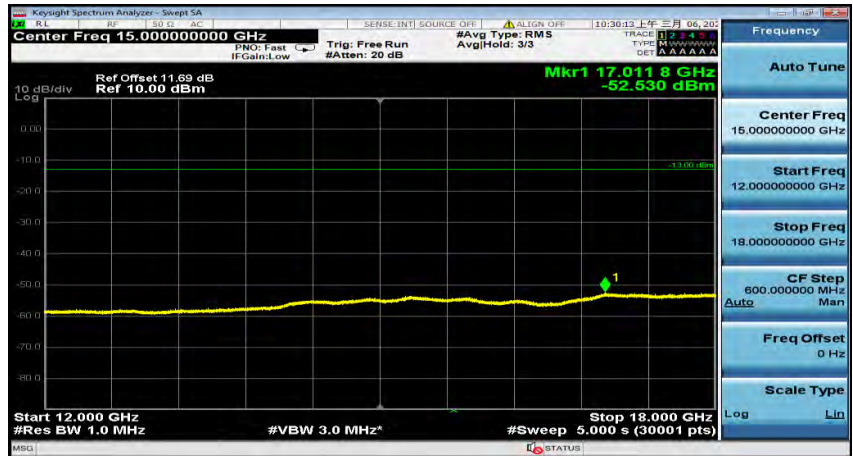
GSM 850 (EGPRS 8 link) Middle channel



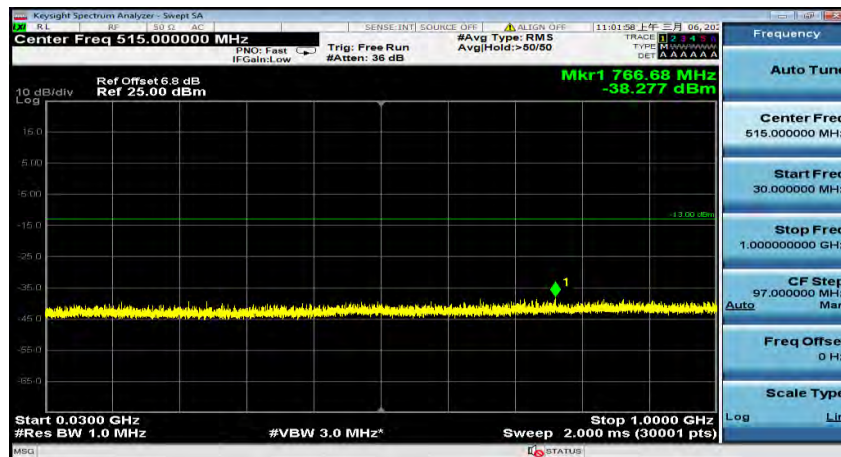
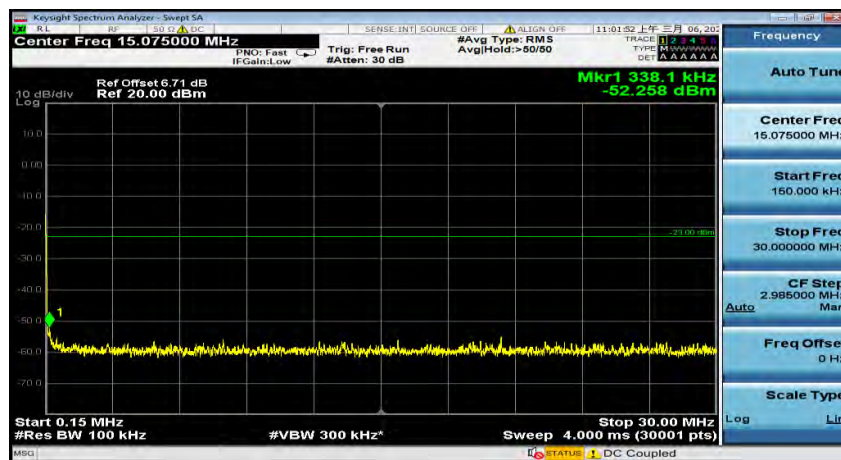
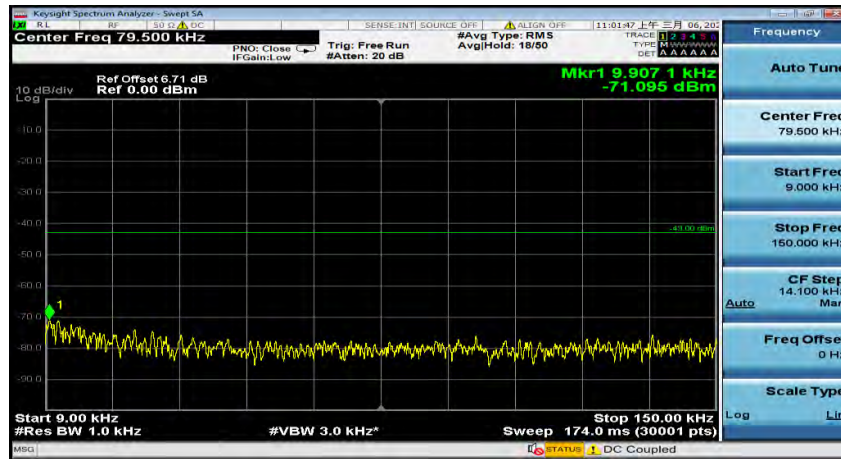


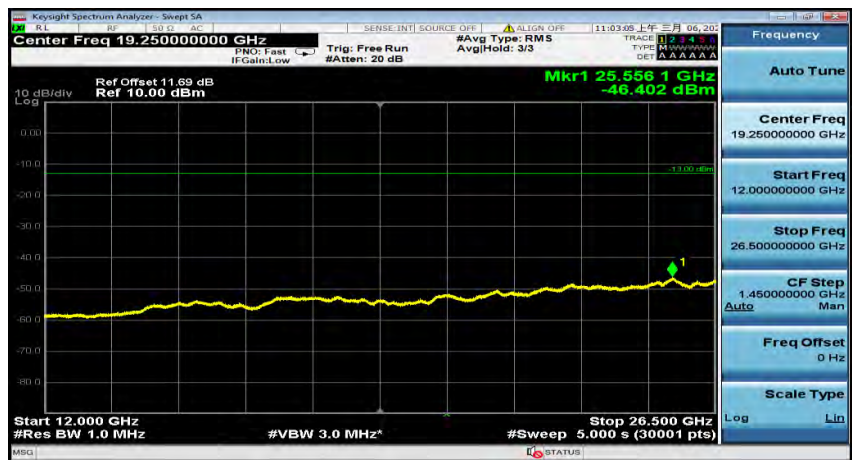
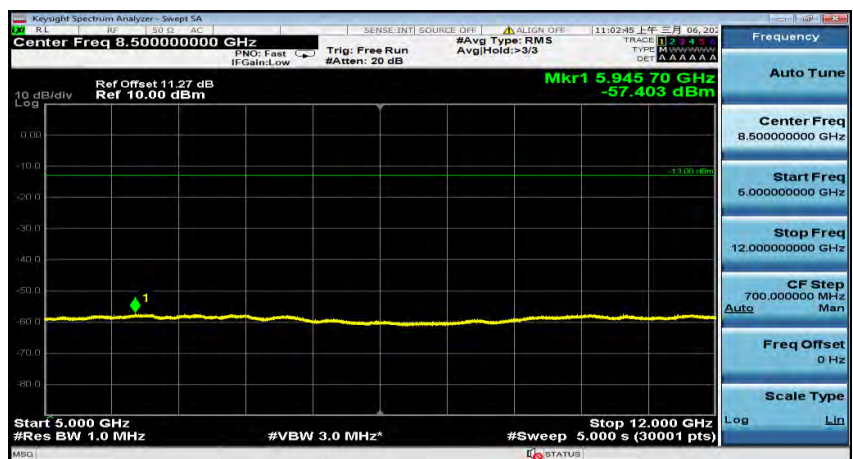
GSM 850 (EGPRS 8 link) Highest channel



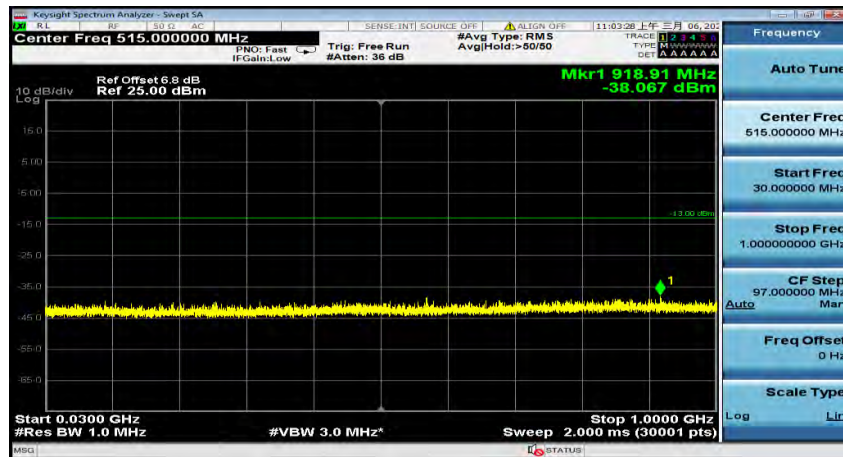
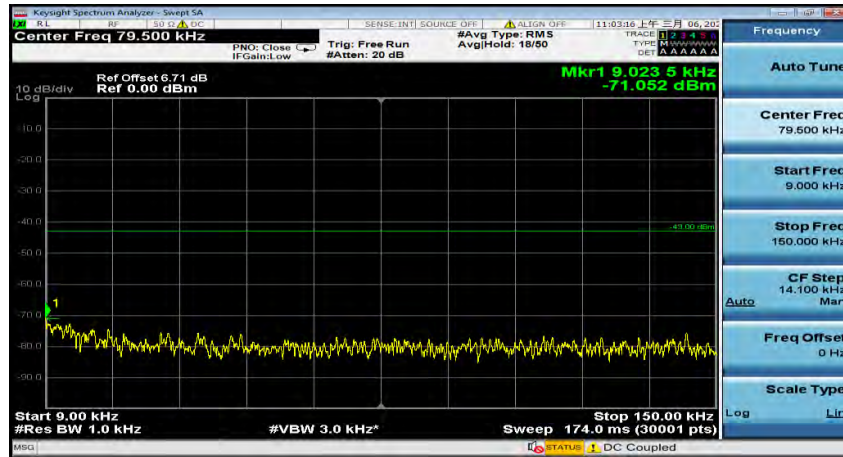


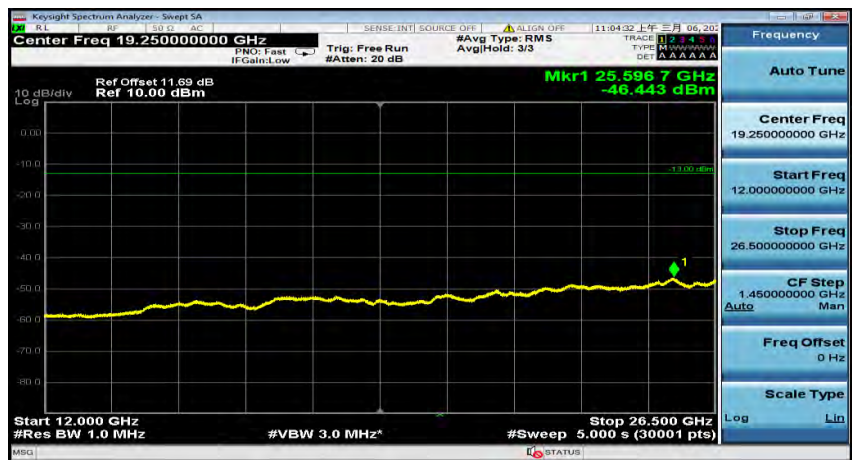
GPRS 1900 Lowest channel



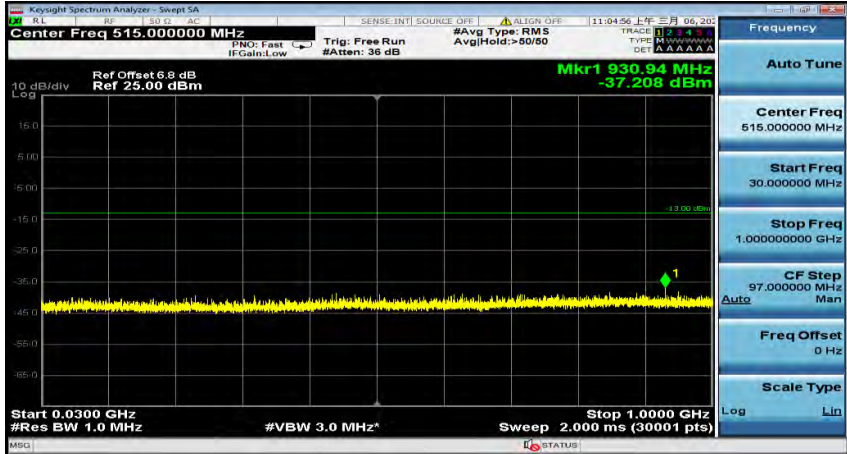
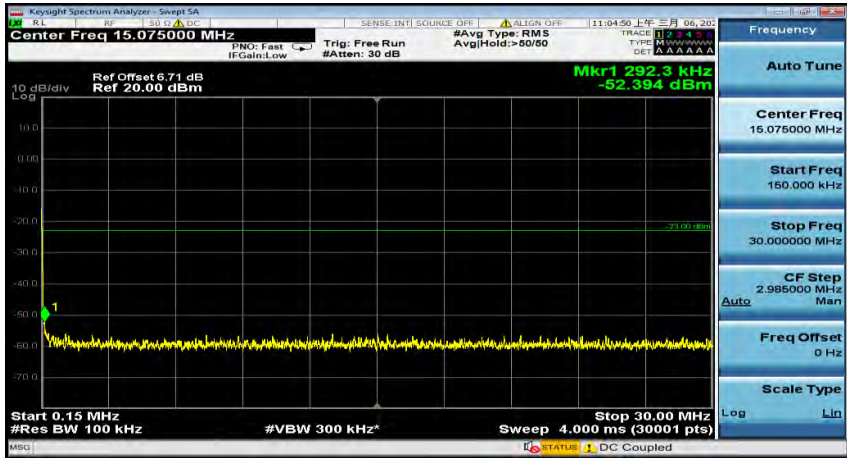
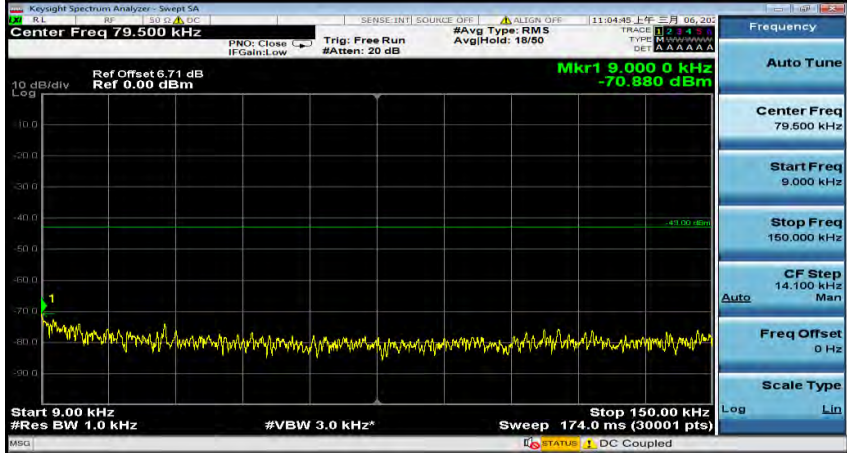


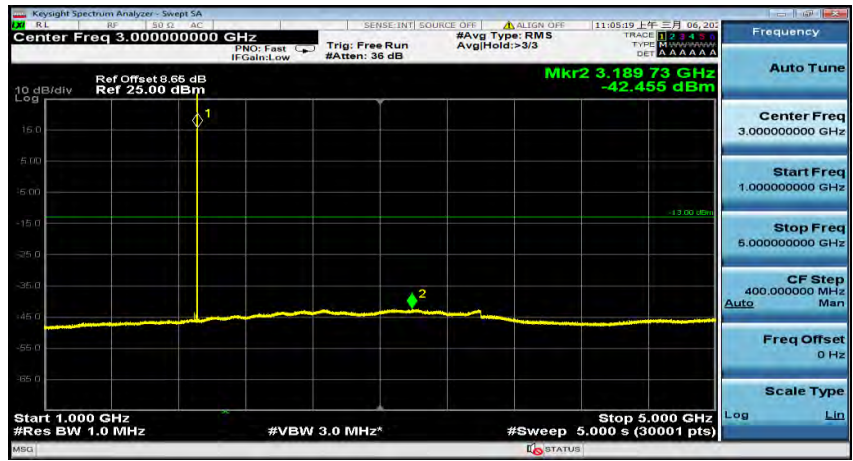
GPRS 1900 Middle channel



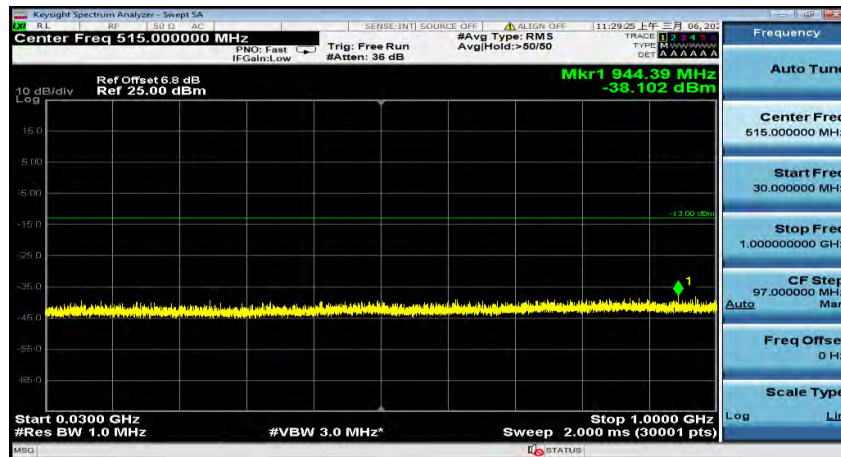
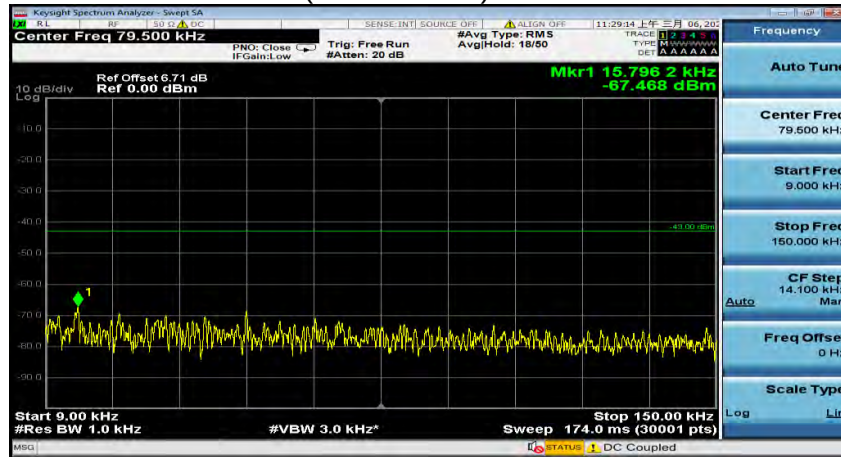


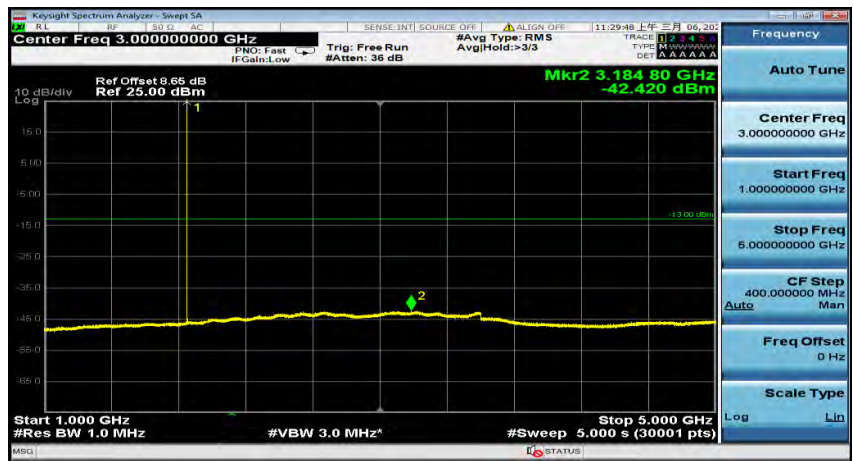
GPRS 1900 Highest channel



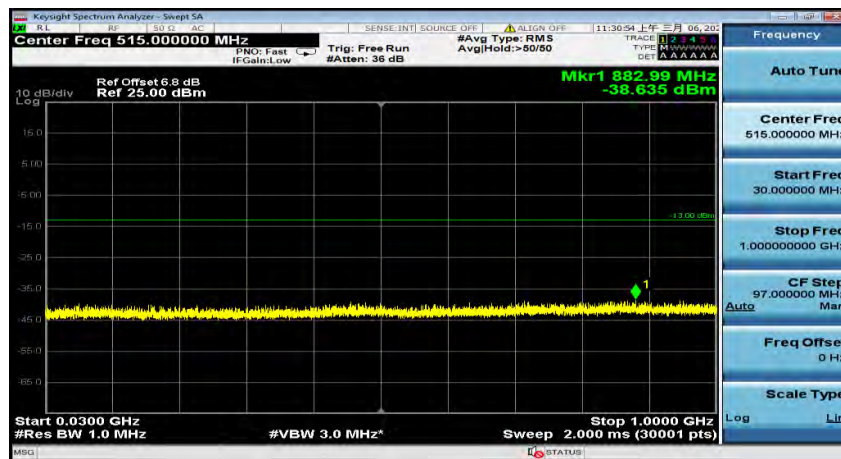
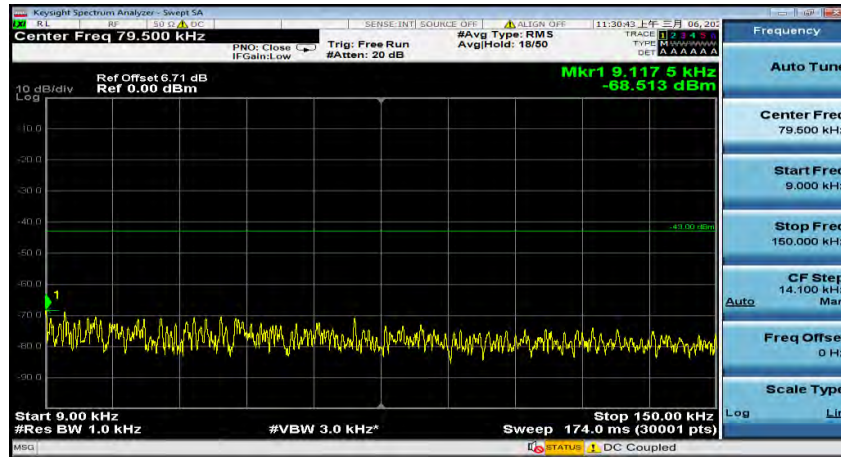


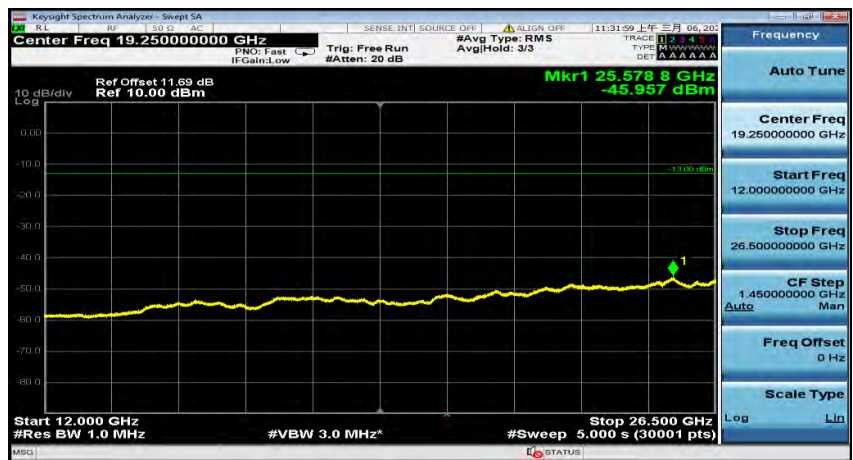
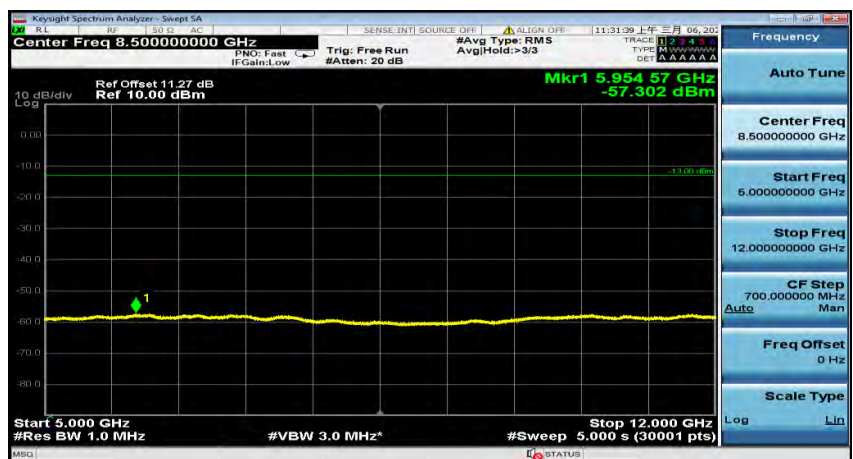
PCS 1900 (EGPRS 8 link) Lowest channel



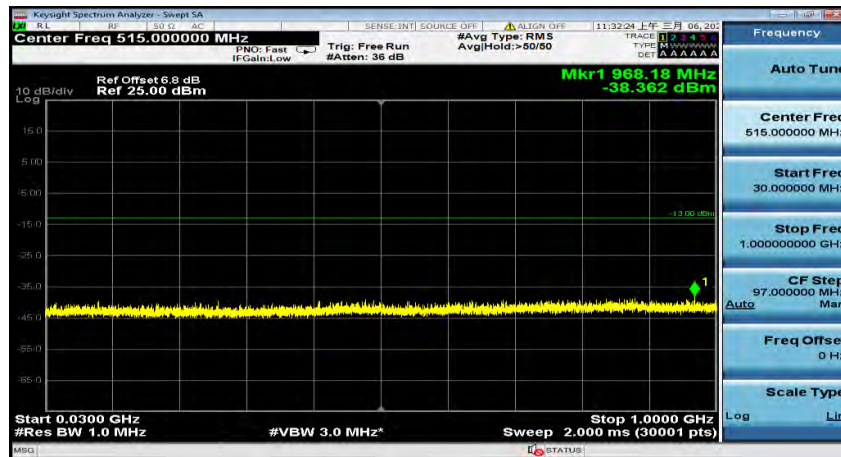
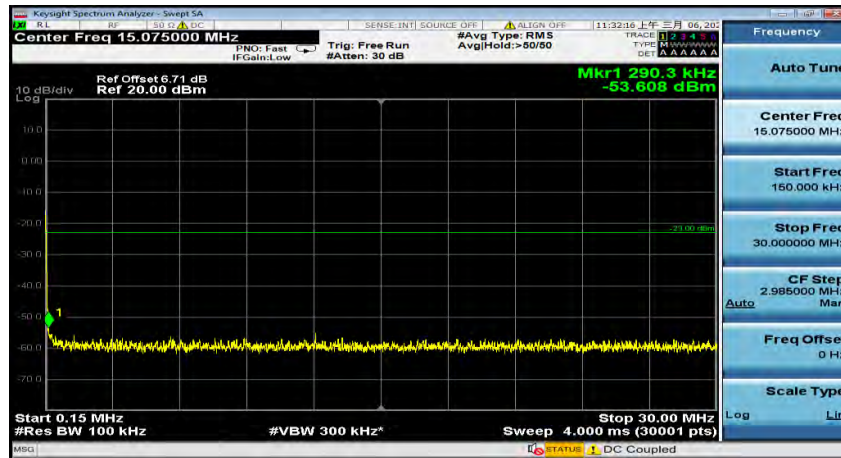


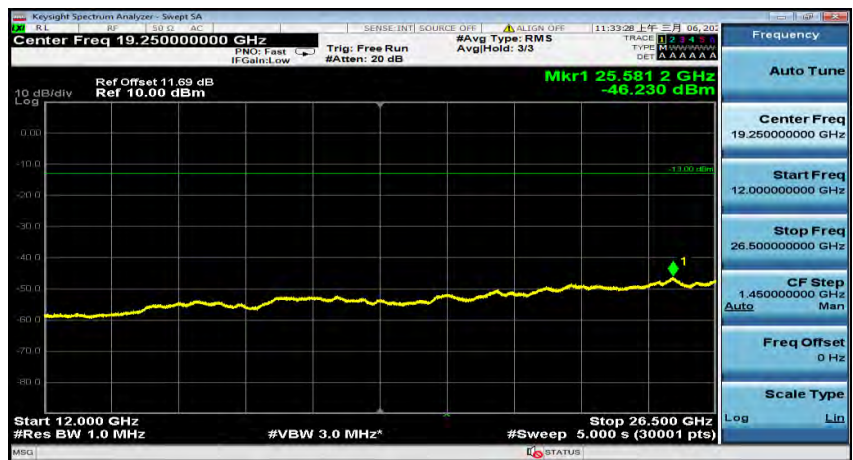
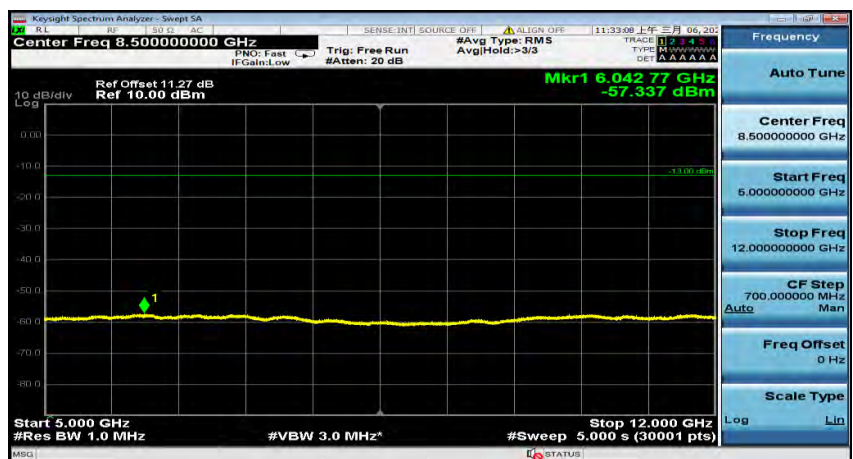
EGPRS 1900MHz Middle channel



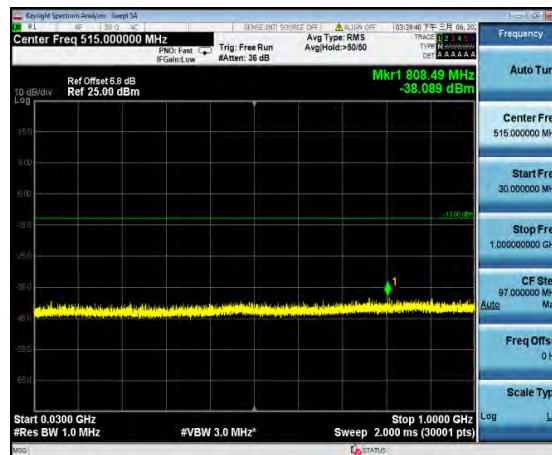
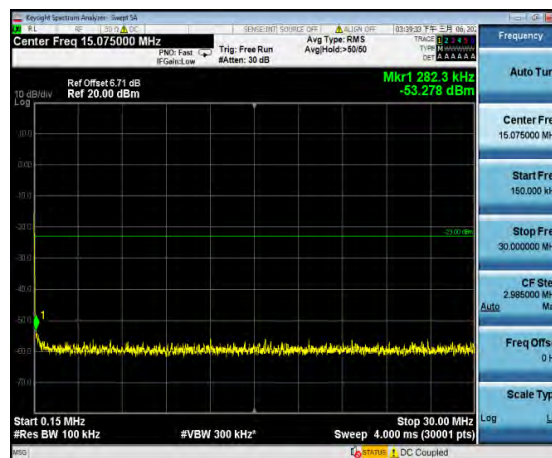
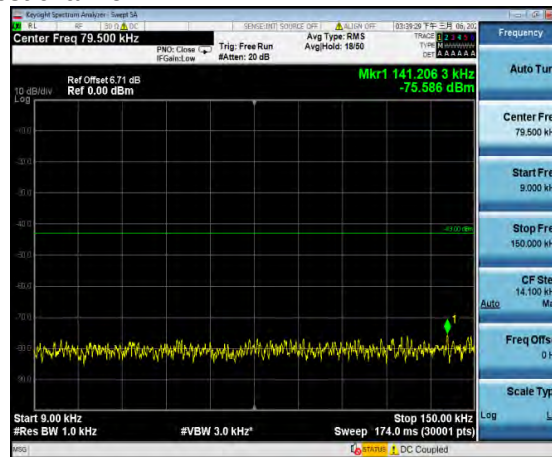


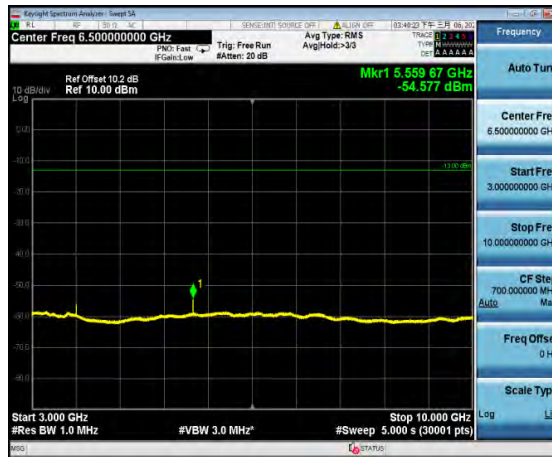
EGPRS 1900MHz Highest channel



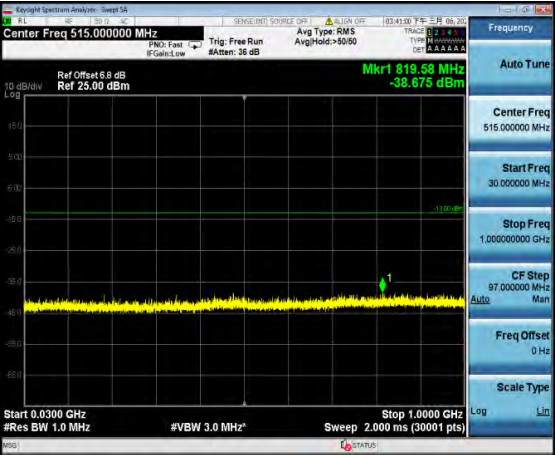
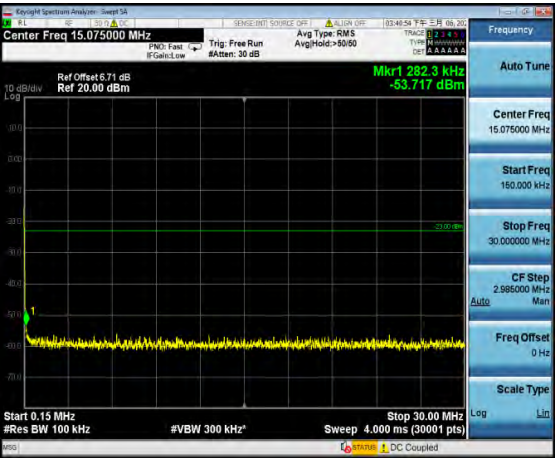
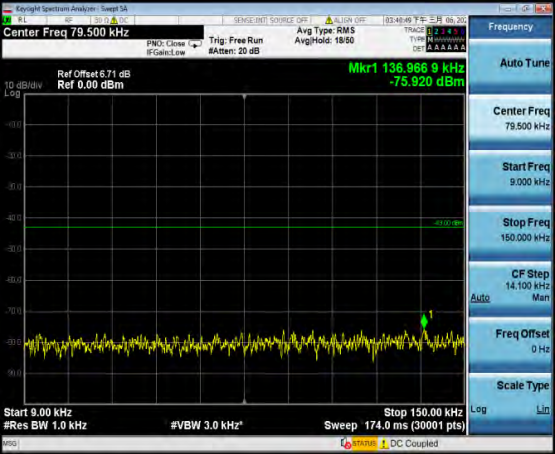


WCDMA Band 2 Lowest channel



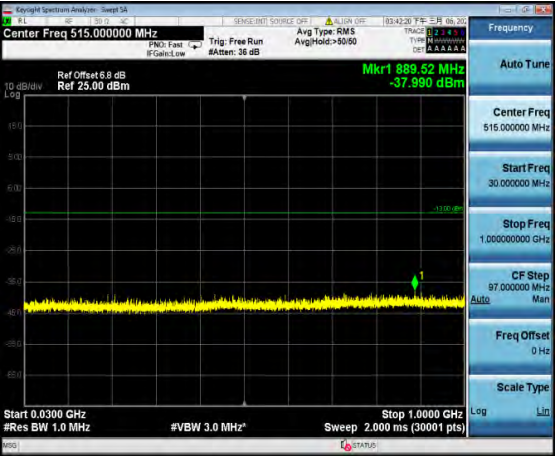
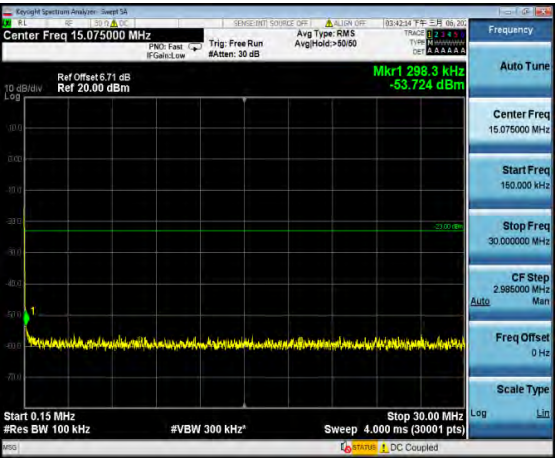
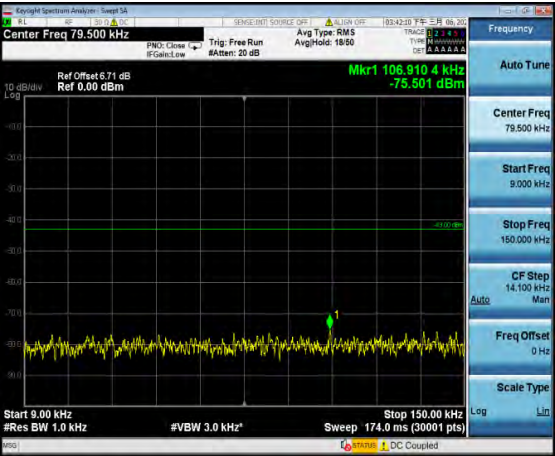


WCDMA Band 2 middle channel



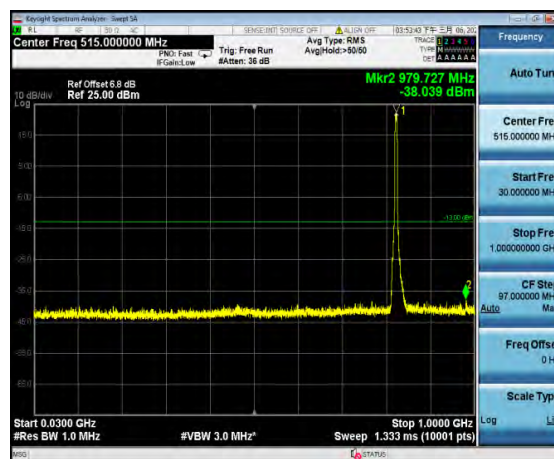
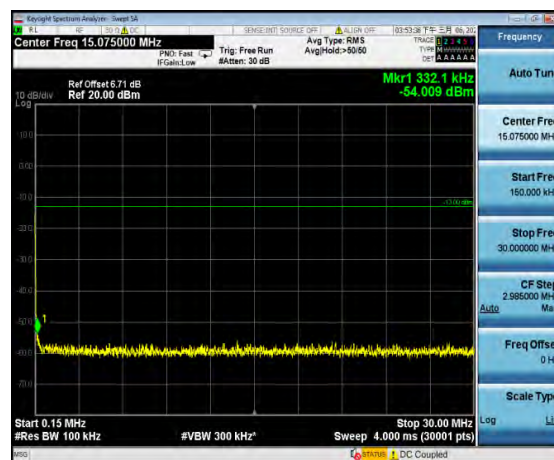
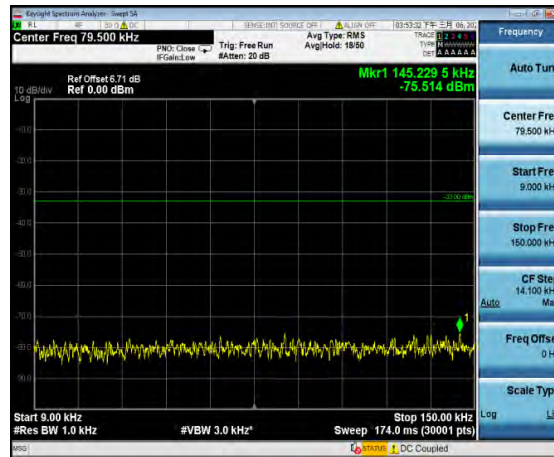


WCDMA Band 2 high channel



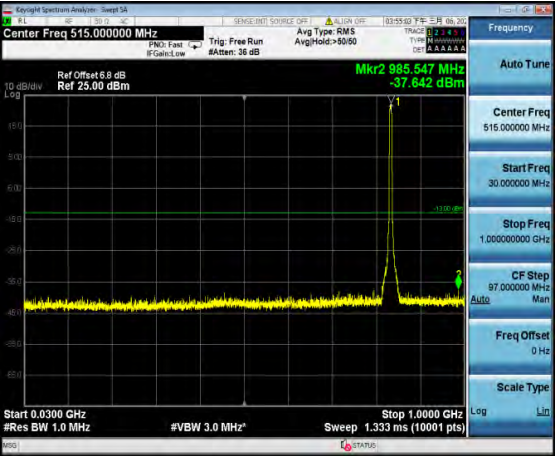
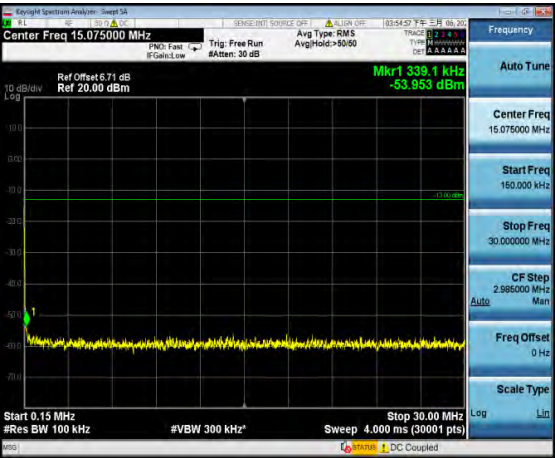
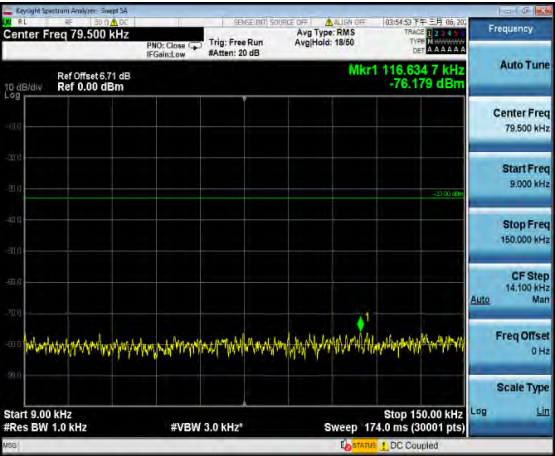


WCDMA Band 5 Lowest channel



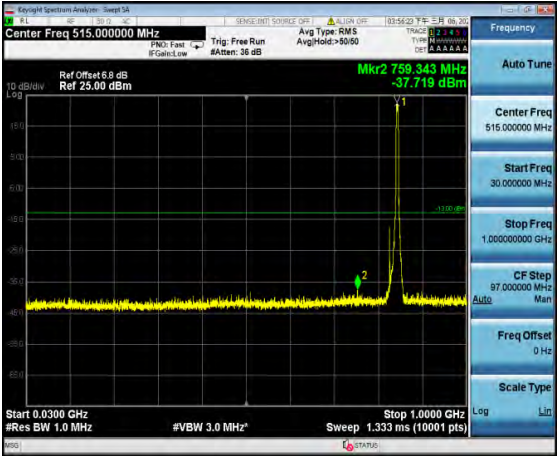
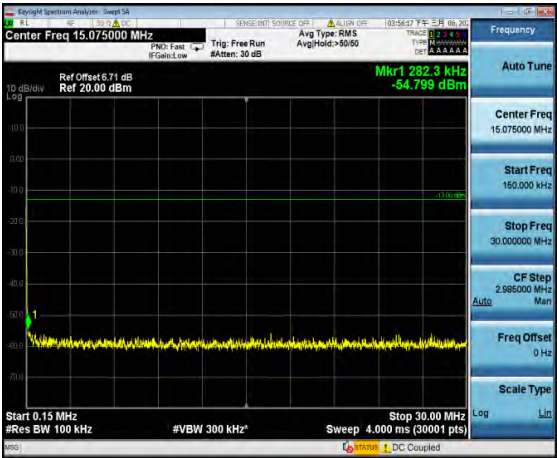
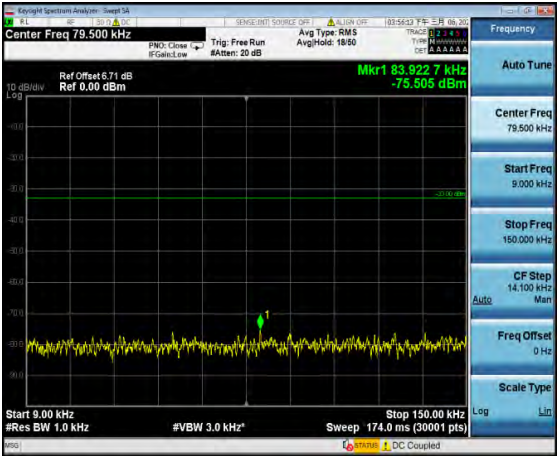


WCDMA Band 5 middle channel





WCDMA Band 5 high channel



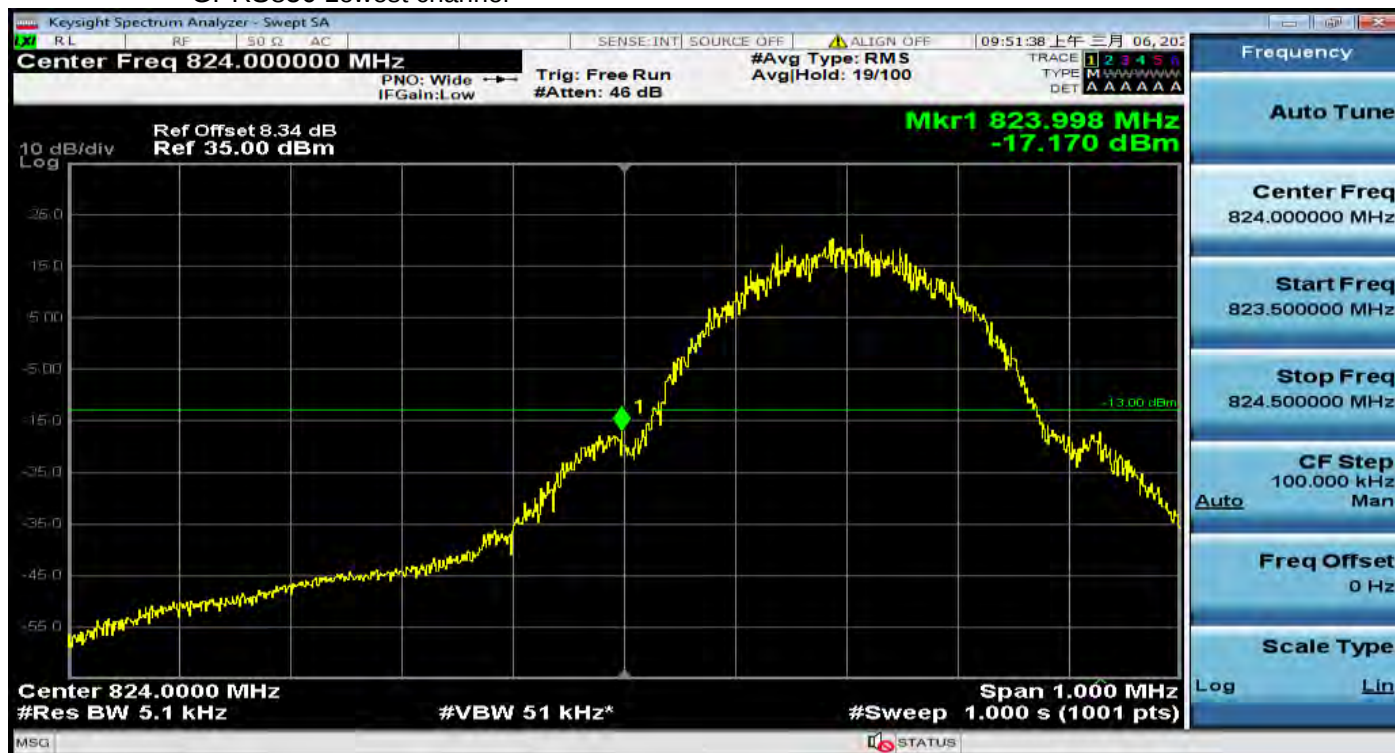


1.3. Conducted Out of Band Emissions

1.3.1. Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

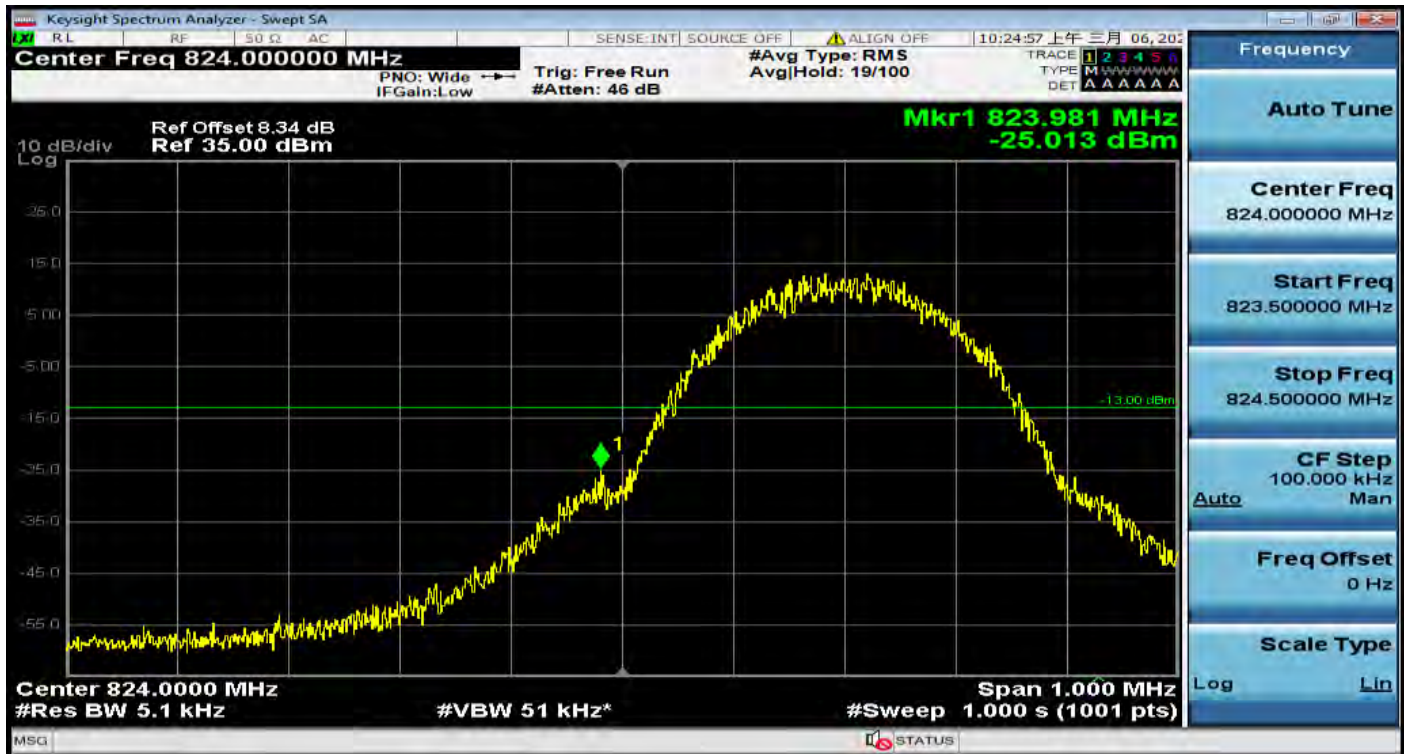
GPRS850 Lowest channel



GPRS850 Highest channel:



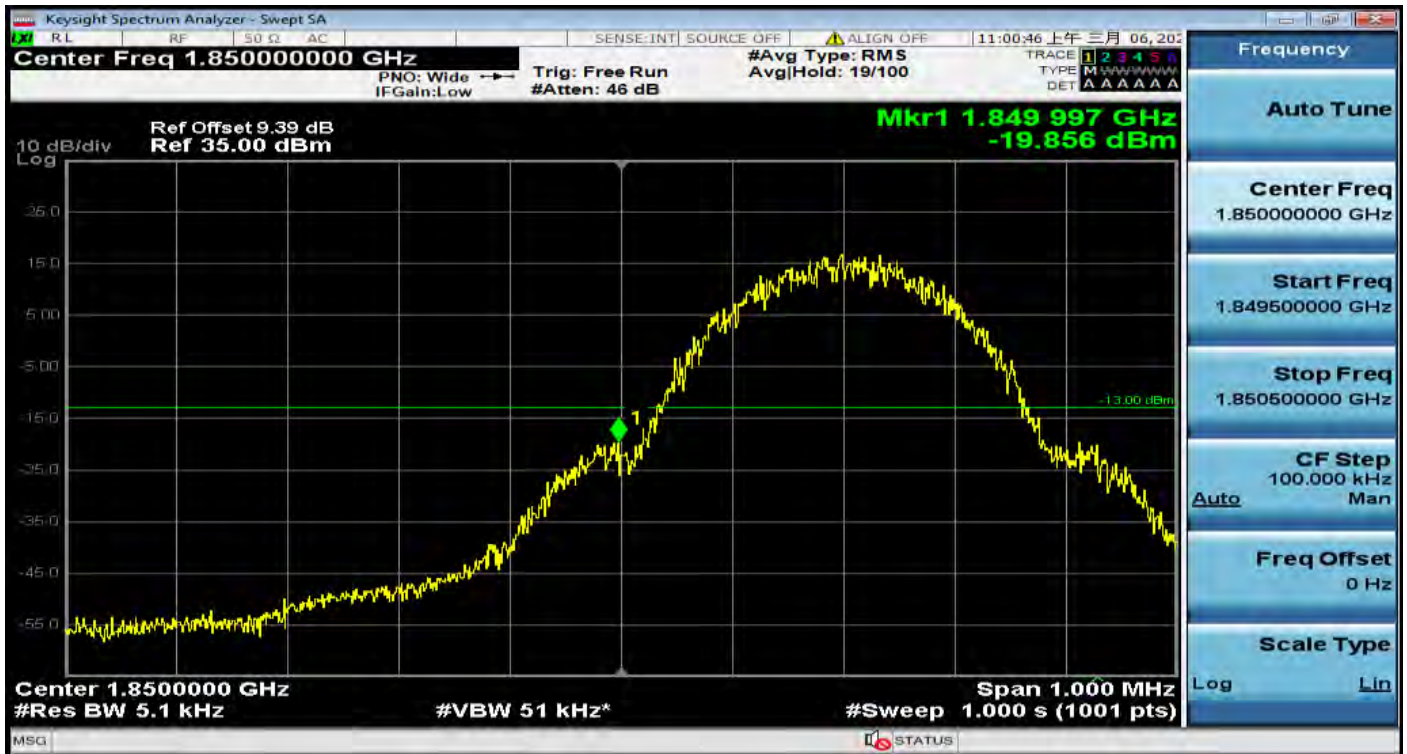
EGPRS850 Lowest channel



EGPRS850 Highest channel:



GPRS1900 Lowest channel



GPRS1900 Highest channel:



EGPRS1900 Lowest channel



EGPRS1900 Highest channel:



WCDMA Band 2 RMC Lowest channel



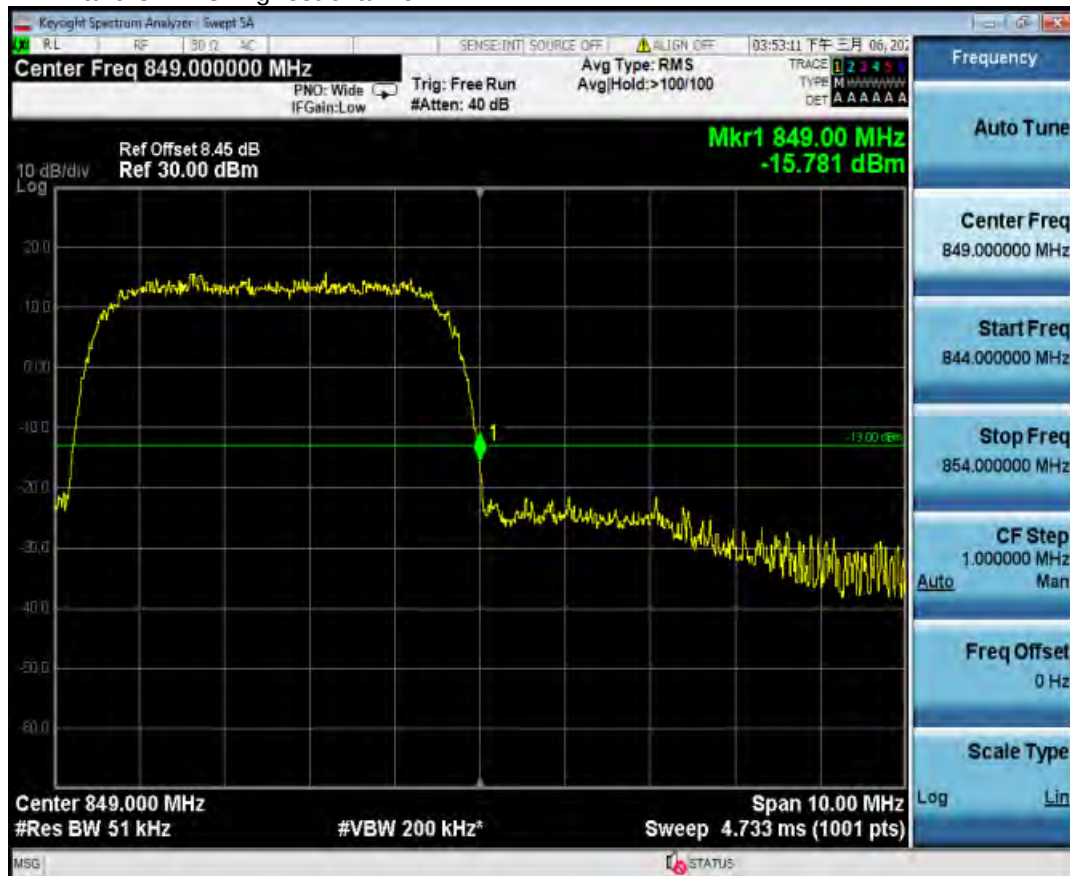
WCDMA Band 2 RMC Highest channel:



WCDMA Band 5 RMC Lowest channel



WCDMA Band 5 RMC Highest channel:



***** END *****