

FCC REPORT

(GSM & WCDMA)

Applicant: TECNO MOBILE LIMITED

Address of Applicant: FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: AC8

Trade mark: TECNO

FCC ID: 2ADYY-AC8

Applicable standards: FCC CFR Title 47 Part 2
FCC CFR Title 47 Part 22 Subpart H
FCC CFR Title 47 Part 24 Subpart E

Date of sample receipt: 16 Mar., 2021

Date of Test: 17 Mar., to 02 Apr., 2021

Date of report issued: 02 Apr., 2021

Test Result: PASS*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2. Version

Version No.	Date	Description
00	02 Apr., 2021	Original

Tested by:

Mike.ou
Test Engineer

Date:

02 Apr., 2021

Reviewed by:

Winner Zhang
Project Engineer

Date:

02 Apr., 2021

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4. Test Summary

Test Item	Section in CFR 47	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	Pass (Please refer to SAR Report)
RF Output Power	Part 2.1046 Part 22.913 (a)(5) Part 24.232 (c)	Pass
Peak-to-Average Power Ratio	Part 24.232 (d)	Pass
Modulation Characteristics	Part 2.1047	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917(b) Part 24.238(b)	Pass
Out of band emission at antenna terminals	Part 2.1053 Part 22.917 (a) Part 24.238 (a)	Pass
Field strength of spurious radiation	Part 22.917 (a) Part 24.238 (a)	Pass
Frequency stability vs. temperature	Part 22.355 Part 24.235 Part 2.1055(a)(1)(b)	Pass
Frequency stability vs. voltage	Part 22.355 Part 24.235 Part 2.1055(d)(2)	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB(Fundamental Frequency below 1GHz)/1.0dB(Fundamental Frequency above 1GHz) (provided by the customer).		
Test Method:	ANSI/TIA-603-E-2016 ANSI C63.26-2015	

5. General Information

5.1 Client Information

Applicant:	TECNO MOBILE LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Manufacturer:	TECNO MOBILE LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Factory:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

5.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	AC8
Operation Frequency range:	GSM 850: 824.20MHz-848.80MHz PCS1900: 1850.20MHz-1909.80MHz WCDMA Band V: 826.4MHz-846.6MHz WCDMA Band II: 1852.4 MHz-1907.6 MHz
Modulation type:	2G ☒ Voice(GMSK) ☒ GPRS(GMSK) ☒ EGPRS(GMSK, 8PSK) 3G ☒ RMC(QPSK) ☒ HSUPA(QPSK) ☒ HSDPA(QPSK,16QAM)
Antenna type:	Internal Antenna
Antenna gain:	GSM 850: -4.0 dBi(declare by Applicant) PCS 1900: -2.6 dBi(declare by Applicant) WCDMA Band V: -4.0 dBi(declare by Applicant) WCDMA Band II: -2.6 dBi(declare by Applicant)
Power supply:	Rechargeable Li-ion Polymer Battery DC3.87V-4600mAh
AC adapter:	Model: U330TSA Input: AC100-240V, 50/60Hz, 1.5A Output: DC 5.0V,3.0A or 10.0V,3.3A
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

Operation Frequency List:

GSM 850		PCS1900	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
128	824.20	512	1850.20
129	824.40	513	1850.40
....			
189	836.40	660	1879.80
190	836.60	661	1880.00
191	836.80	662	1880.20
...	...	...	...
250	848.60	809	1909.60
251	848.80	810	1909.80
WCDMA Band V		WCDMA Band II	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
4132	826.40	9262	1852.40
4133	826.60	9263	1852.60
....			
4182	836.40	9399	1879.80
4183	836.60	9400	1880.00
4184	836.80	9401	1880.20
...	...	...	...
4232	846.40	9537	1907.40
4233	846.60	9538	1907.60

Regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

GSM850			PCS1900		
Channel		Frequency(MHz)	Channel		Frequency(MHz)
Lowest	128	824.20	Lowest	512	1850.20
Middle	190	836.60	Middle	661	1880.00
Highest	251	848.80	Highest	810	1909.80
WCDMA Band V			WCDMA Band II		
Channel		Frequency(MHz)	Channel		Frequency(MHz)
Lowest	4132	826.40	Lowest	9262	1852.40
Middle	4183	836.60	Middle	9400	1880.00
Highest	4233	846.60	Highest	9538	1907.60

5.3 Test environment and mode

Operating Environment:	
Temperature:	Normal: 15℃ ~ 35℃, Extreme: -30℃ ~ +50℃
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.87Vdc, Extreme: Low 3.29 Vdc, High 4.45 Vdc
Test mode:	
GSM mode	Keep the EUT communication with simulated station in GSM mode
GPRS mode	Keep the EUT communication with simulated station in GPRS mode
EGPRS mode	Keep the EUT communication with simulated station in EGPRS mode
RMC mode	Keep the EUT communication with simulated station in RMC mode
HSDPA	Keep the EUT communication with simulated station in HSDPA mode
HSUPA	Keep the EUT communication with simulated station in HSUPA mode
Remark: The EUT has been tested under continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.	

5.4 Description of Test Auxiliary Equipment

Test Equipment	Manufacturer	Model No.	Serial No.
Simulated Station	Anritsu	MT8820C	6201026545

5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.16 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.20 dB (k=2)

5.6 Additions to, deviations, or exclusions from the method

No

5.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations: ● FCC - Designation No.: CN1211 JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551. ● ISED – CAB identifier.: CN0021 The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1. ● A2LA - Registration No.: 4346.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf
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5.8 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd. Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366 Email: info@ccis-cb.com, Website: http://www.ccis-cb.com
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5.9 Test Instruments list

Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	966	01-19-2021	01-18-2024
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-03-2021	03-02-2022
Biconical Antenna	SCHWARZBECK	VUBA9117	359	06-18-2020	06-17-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-03-2021	03-02-2022
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-18-2020	06-17-2021
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2020	11-17-2021
EMI Test Software	AUDIX	E3	Version: 6.110919b		
Pre-amplifier	HP	8447D	2944A09358	03-03-2021	03-02-2022
Pre-amplifier	CD	PAP-1G18	11804	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2020	11-17-2021
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-03-2021	03-02-2022
Spectrum Analyzer	Keysight	N9010B	MY60240202	11-27-2020	11-26-2021
Signal Generator	Rohde & Schwarz	SMX	835454/016	03-03-2021	03-02-2022
Signal Generator	R&S	SMR20	1008100050	03-03-2021	03-02-2022
RF Switch Unit	MWRFTTEST	MW200	N/A	N/A	N/A
Test Software	MWRFTTEST	MTS8200	Version: 2.0.0.0		
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-03-2021	03-02-2022
Cable	MICRO-COAX	MFR64639	K10742-5	03-03-2021	03-02-2022
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-03-2021	03-02-2022
DC Power Supply	XinNuoEr	WYK-10020K	1409050110020	09-25-2020	09-24-2021
Temperature Humidity Chamber	HengPu	HPGDS-500	20140828008	11-01-2020	10-31-2021
Simulated Station	Rohde & Schwarz	CMW500	140493	07-22-2020	07-21-2021

6. Test results

6.1 Conducted Output Power, ERP and EIRP

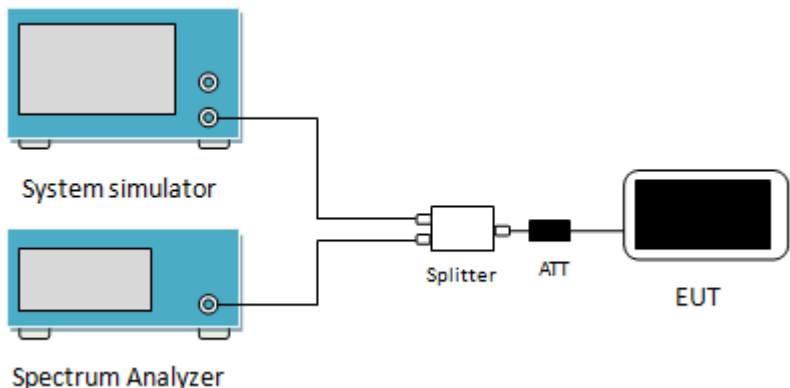
Test Requirement:	FCC part 22.913(a)(5), FCC part 24.232(c)
Limit:	GSM 850: 7W, PCS 1900: 2W WCDMA Band V: 7W, WCDMA Band II: 2W
Test setup:	 The diagram illustrates the test setup. On the left is a blue 'System simulator' box with two ports. A line connects one of its ports to a black 'ATT' (attenuator) block. Another line connects the other side of the 'ATT' block to a black 'EUT' (Equipment Under Test) box on the right.
Test Procedure:	The transmitter output was connected to a calibrated attenuator, the other end of which was connected to the simulated station. Transmitter output power was read off in dBm.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

EUT Mode	Burst Average power (dBm)		
	128	190	251
	824.20 (MHz)	836.60 (MHz)	848.80 (MHz)
GSM 850	33.60	33.52	33.62
GPRS 850 (1 Uplink slot)	33.56	33.43	33.50
GPRS 850 (2 Uplink slot)	32.41	32.24	32.32
GPRS 850 (3 Uplink slot)	30.04	29.93	29.99
GPRS 850 (4 Uplink slot)	28.90	28.81	28.86
Antenna Gain (dBi)	-4.0		
Max. ERP (dBm)	27.47		
ERP Limit (dBm)	38.45		
EGPRS 850 (1 Uplink slot)	27.16	27.01	26.73
EGPRS 850 (2 Uplink slot)	25.95	25.89	25.62
EGPRS 850 (3 Uplink slot)	23.58	23.54	23.26
EGPRS 850 (4 Uplink slot)	22.23	22.21	21.91
Antenna Gain (dBi)	-4.0		
Max. ERP (dBm)	21.01		
ERP Limit (dBm)	38.45		
EUT Mode	Burst Average power (dBm)		
	512	661	810
	1850.20 (MHz)	1880.00 (MHz)	1909.80 (MHz)
PCS 1900	30.31	30.57	30.30
GPRS 1900 (1 Uplink slot)	30.30	30.49	30.26
GPRS 1900 (2 Uplink slot)	29.08	29.33	29.11
GPRS 1900 (3 Uplink slot)	26.79	27.02	26.85
GPRS 1900 (4 Uplink slot)	25.70	25.92	25.74
Antenna Gain (dBi)	-2.6		
Max. EIRP (dBm)	27.97		
EIRP Limit (dBm)	33.00		
EGPRS 1900 (1 Uplink slot)	26.24	25.89	26.02
EGPRS 1900 (2 Uplink slot)	25.25	24.98	25.11
EGPRS 1900 (3 Uplink slot)	23.19	22.99	23.10
EGPRS 1900 (4 Uplink slot)	22.12	21.89	22.02
Antenna Gain (dBi)	-2.6		
Max. EIRP (dBm)	23.64		
EIRP Limit (dBm)	33.00		
Note: EIRP (dBm) = Burst Average power (dBm) + Antenna Gain (dBi).			
ERP (dBm) = EIRP (dBm) - 2.15 (dB).			

EUT Mode		Burst Average power (dBm)		
		4132	4183	4233
		826.40 (MHz)	836.60 (MHz)	846.60 (MHz)
UMTS 850 HSDPA	Subtest 1	22.48	22.55	22.74
	Subtest 2	22.00	22.01	22.23
	Subtest 3	21.98	22.09	22.18
	Subtest 4	21.96	22.06	22.20
UMTS 850 HSUPA	Subtest 1	20.57	20.64	20.79
	Subtest 2	21.06	21.14	21.23
	Subtest 3	21.46	21.56	21.72
	Subtest 4	20.56	20.68	20.83
	Subtest 5	22.50	22.56	22.75
UMTS 850 RMC	12.2kbps	23.52	23.54	23.67
UMTS 850 AMR	12.2kbps	23.48	23.51	23.59
Antenna Gain (dBi)		-4.0		
Max. ERP (dBm)		17.52		
ERP Limit (dBm)		38.45		
EUT Mode		Burst Average power (dBm)		
		9262	9400	9538
		1852.40 (MHz)	1880.00 (MHz)	1907.60 (MHz)
UMTS 1900 HSDPA	Subtest 1	22.88	22.85	23.04
	Subtest 2	22.32	22.23	22.47
	Subtest 3	22.31	22.26	22.49
	Subtest 4	22.32	22.26	22.46
UMTS 1900 HSUPA	Subtest 1	20.88	20.82	20.96
	Subtest 2	21.34	21.26	21.48
	Subtest 3	21.84	21.77	21.96
	Subtest 4	20.92	20.82	21.00
	Subtest 5	22.82	22.78	22.98
UMTS 1900 RMC	12.2kbps	23.86	23.83	24.05
UMTS 1900 AMR	12.2kbps	23.75	23.80	23.97
Antenna Gain (dBi)		-2.6		
Max. EIRP (dBm)		21.45		
EIRP Limit (dBm)		33.00		
Note: EIRP (dBm) = Burst Average power (dBm) + Antenna Gain (dBi).				
ERP (dBm) = EIRP (dBm) - 2.15 (dB).				

6.2 Peak-to-Average Power Ratio

Test Requirement:	FCC part 24.232(d)
Limit:	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
Test setup:	 The diagram shows a test setup where a System simulator and a Spectrum Analyzer are connected to a Splitter. The Splitter is connected to an ATT (Attenuator) and then to the EUT (Equipment Under Test).
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 Set the CCDF option in spectrum analyzer, RBW $\geq$ OBW, 3 Set the EUT working in highest power level, measured and recorded the 0.1% as PAPR level. 4 Repeat step 1~3 at other frequency and modulations.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

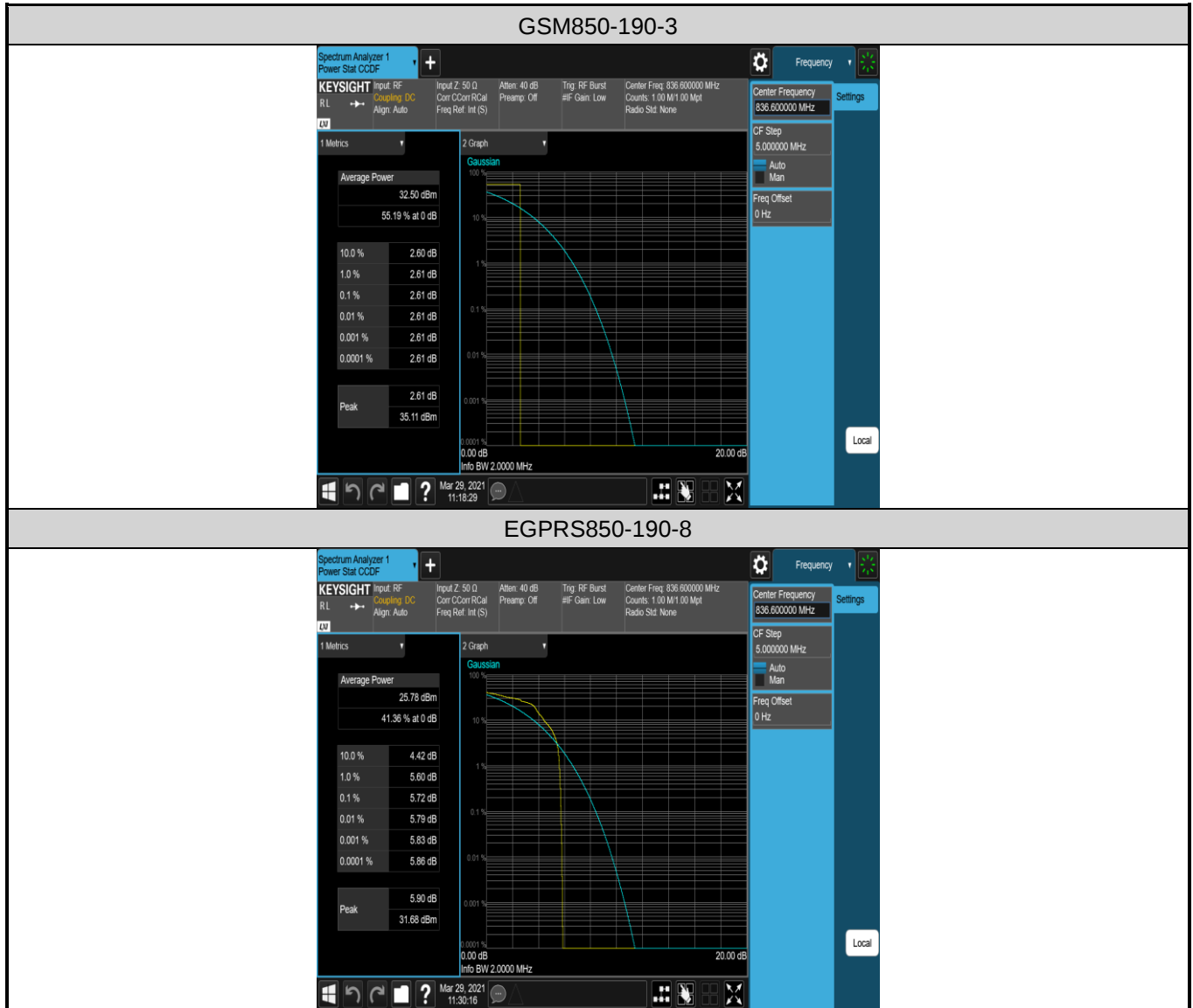
GSM

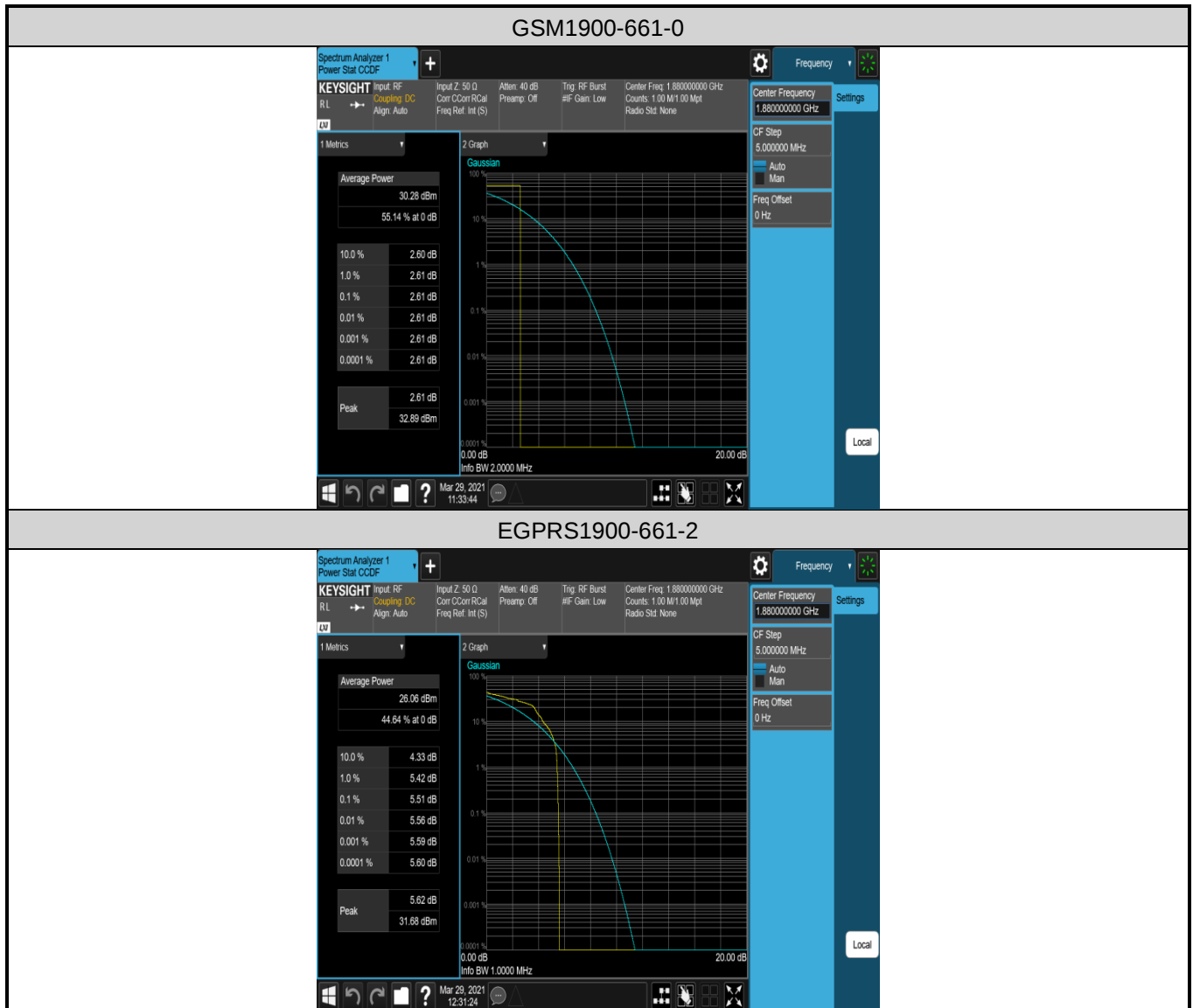
Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	190	3	2.61	13	PASS
EGPRS850	190	8	5.72	13	PASS
GSM1900	661	0	2.61	13	PASS
EGPRS1900	661	2	5.51	13	PASS

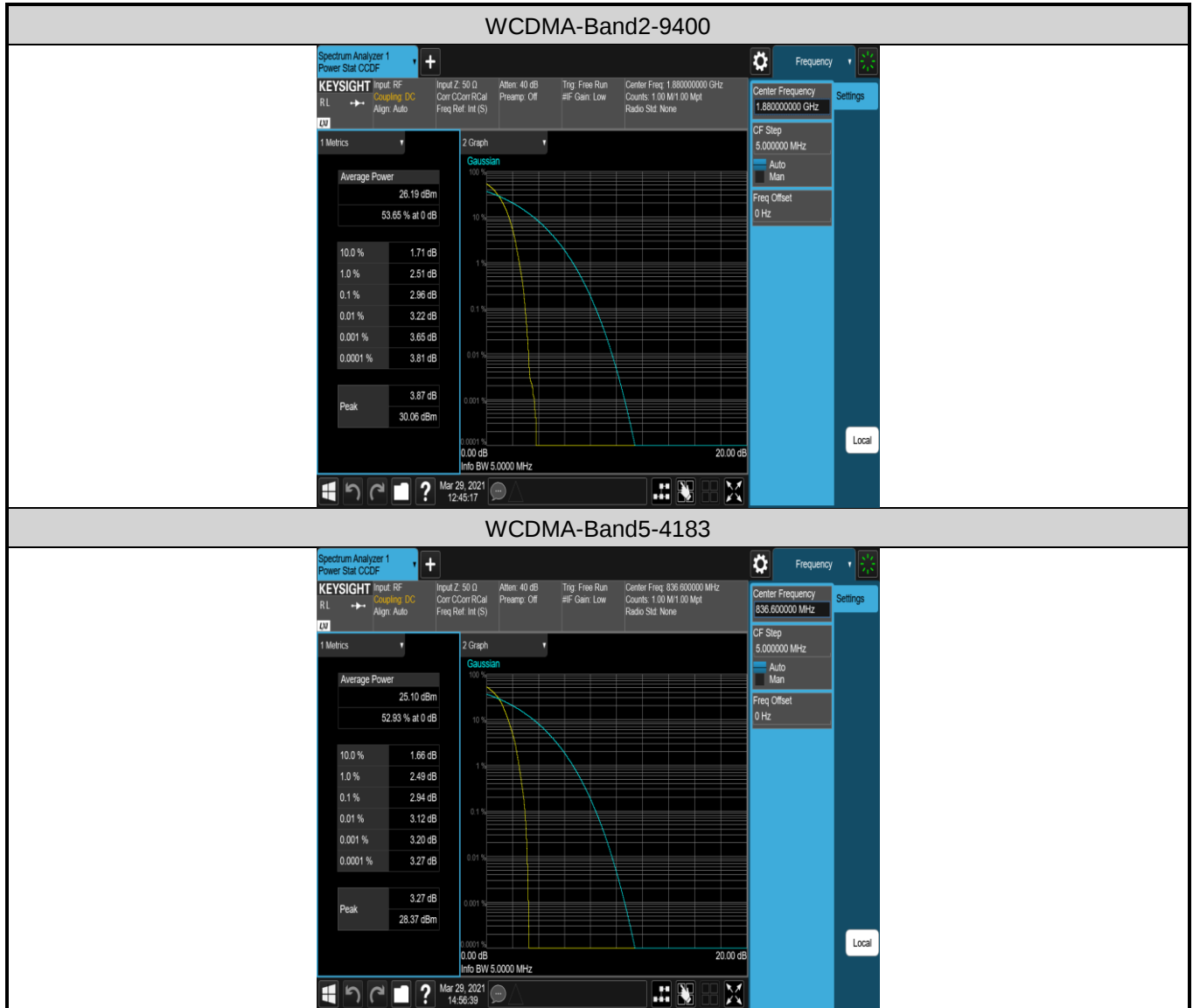
WCDMA

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.96	13	PASS
Band5	4183	2.94	13	PASS

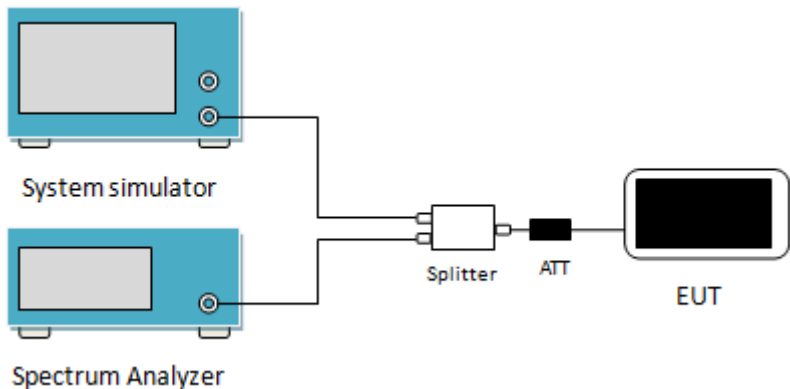
Test plots as below:







6.3 Occupy Bandwidth

Test Requirement:	FCC part 22.917(b), FCC part 24.238(b)
Test setup:	 The diagram illustrates the test setup. On the left, there are two blue rectangular units: the top one is labeled 'System simulator' and the bottom one is labeled 'Spectrum Analyzer'. Both have a single output port. These two ports are connected to a central 'Splitter' unit. From the 'Splitter', one line goes to an 'ATT' (Attenuator) unit, and another line goes to the 'EUT' (Equipment Under Test), which is represented by a black rectangular device.
Test Procedure:	1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer 2. RBW was set to about 1% of emission BW, VBW= 3 times RBW. 3. -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

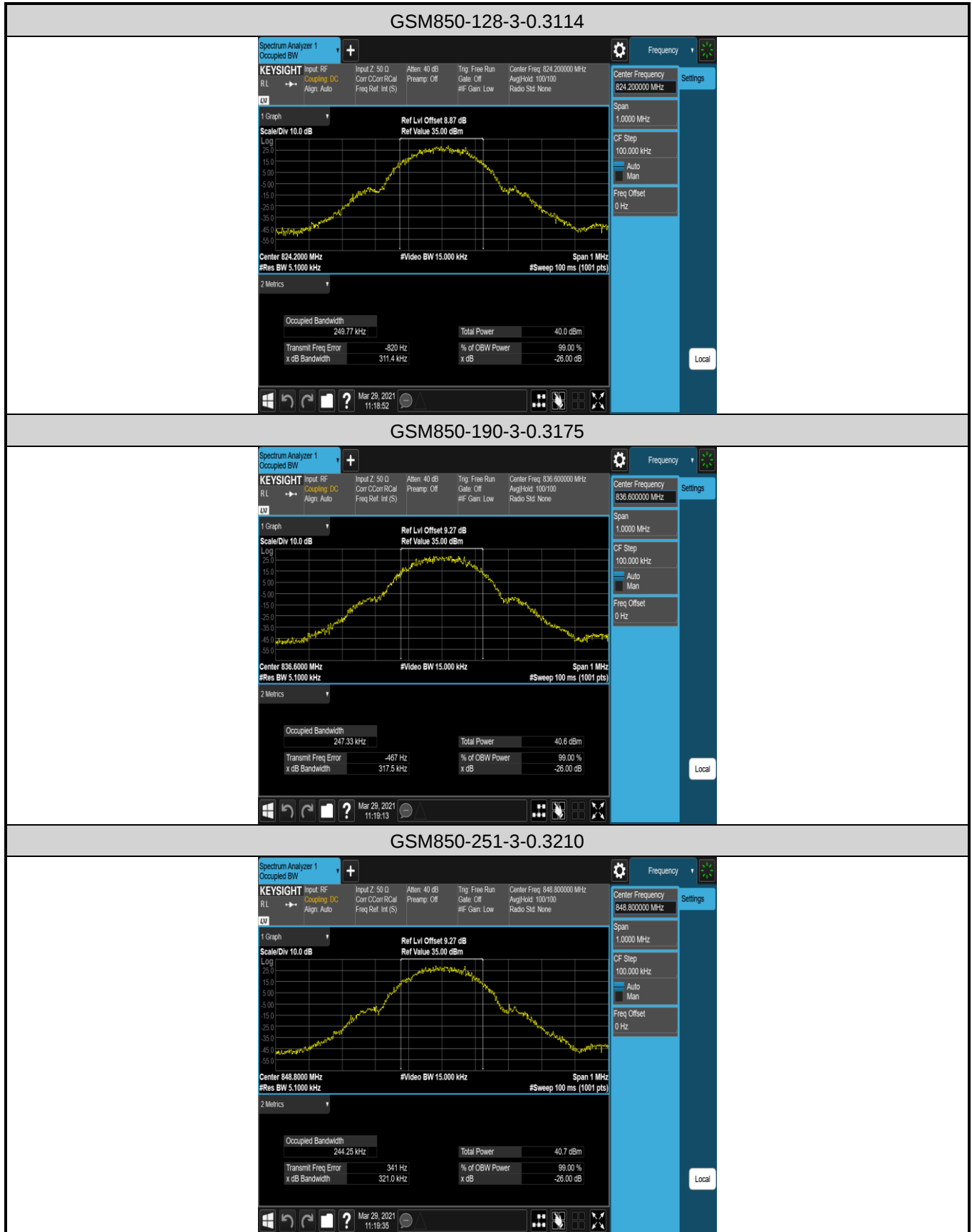
Measurement Data:
GSM

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GSM850	128	3	0.24977	0.3114	PASS
GSM850	190	3	0.24733	0.3175	PASS
GSM850	251	3	0.24425	0.3210	PASS
EGPRS850	128	8	0.24807	0.3067	PASS
EGPRS850	190	8	0.25229	0.3102	PASS
EGPRS850	251	8	0.24423	0.2985	PASS
GSM1900	512	0	0.24218	0.3127	PASS
GSM1900	661	0	0.24293	0.3109	PASS
GSM1900	810	0	0.24445	0.3076	PASS
EGPRS1900	512	2	0.25104	0.3057	PASS
EGPRS1900	661	2	0.25104	0.3177	PASS
EGPRS1900	810	2	0.25305	0.3115	PASS

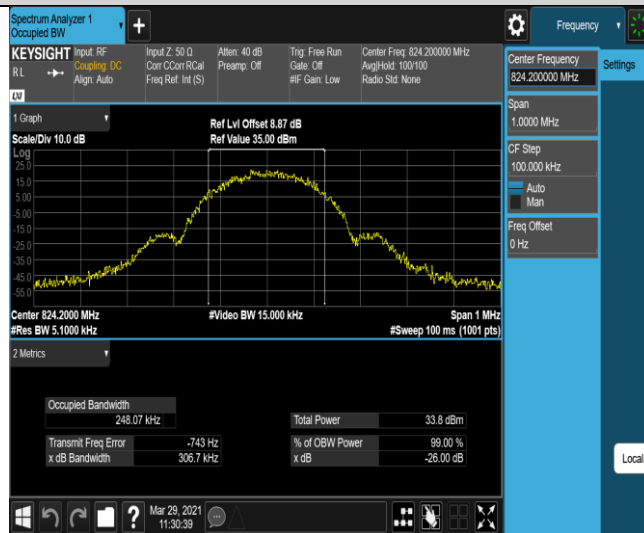
WCDMA

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Verdict
Band2	9262	4.1566	4.704	PASS
Band2	9400	4.1407	4.664	PASS
Band2	9538	4.1574	4.718	PASS
Band5	4132	4.1545	4.684	PASS
Band5	4183	4.1581	4.693	PASS
Band5	4233	4.1580	4.680	PASS

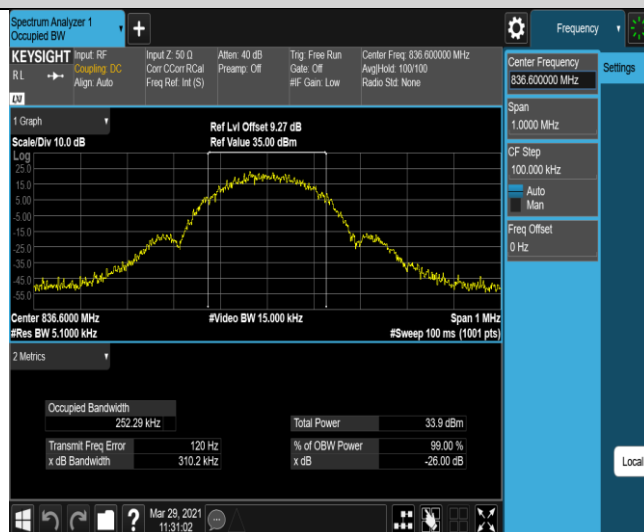
Test plot as follows:
GSM



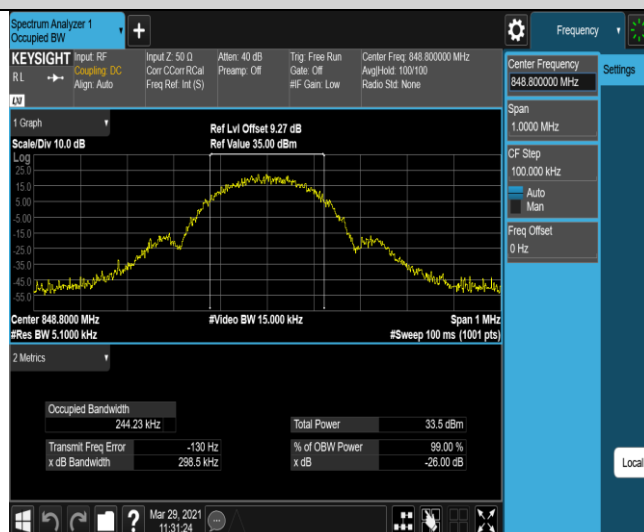
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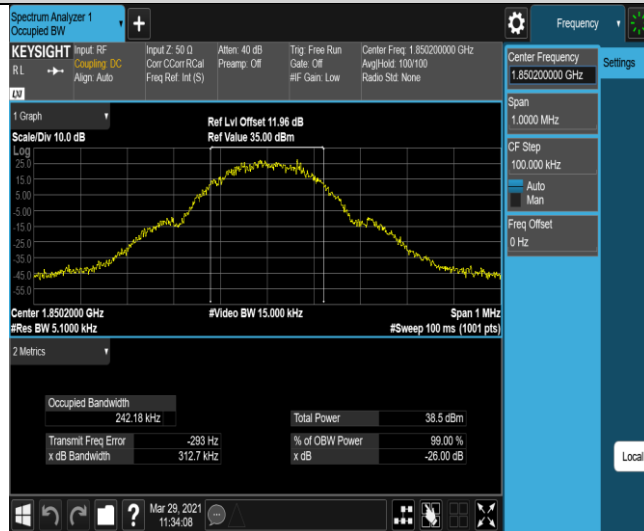
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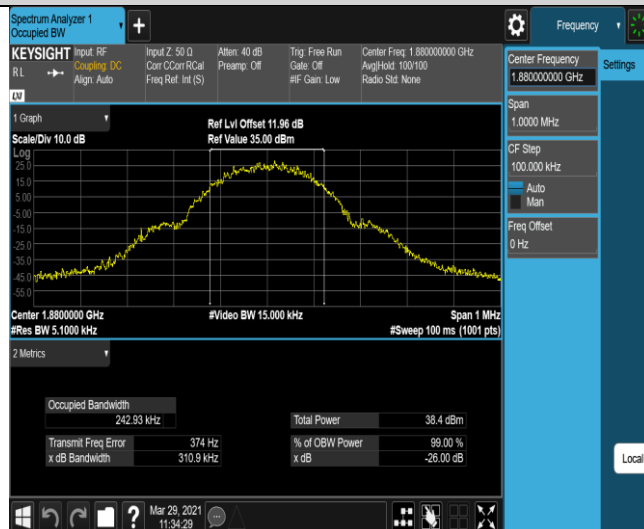
EGPRS850-251-8-0.2985



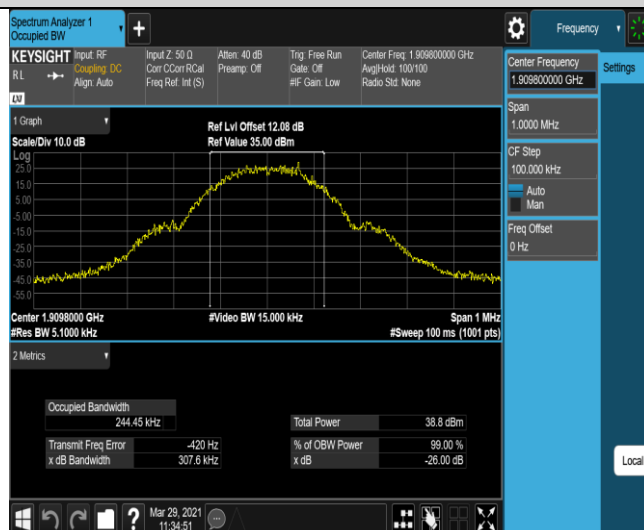
GSM1900-512-0-0.3127



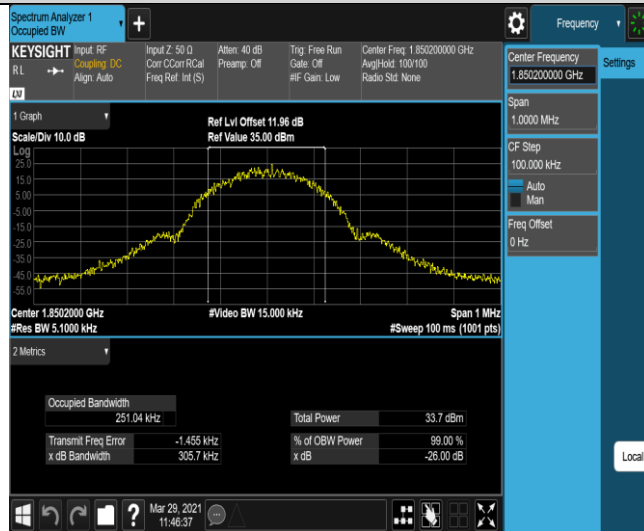
GSM1900-661-0-0.3109



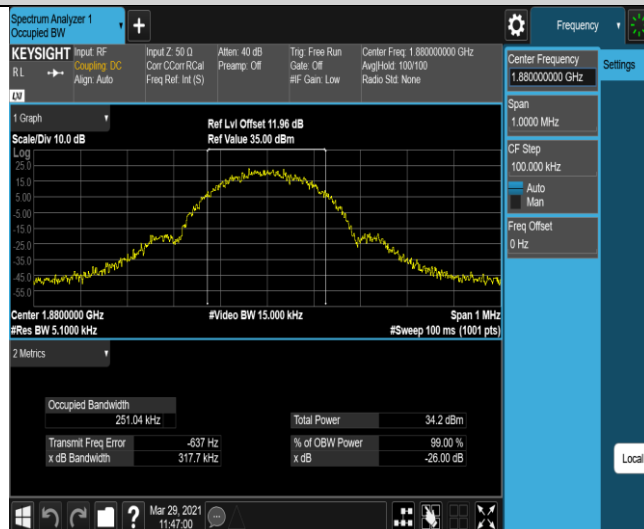
GSM1900-810-0-0.3076



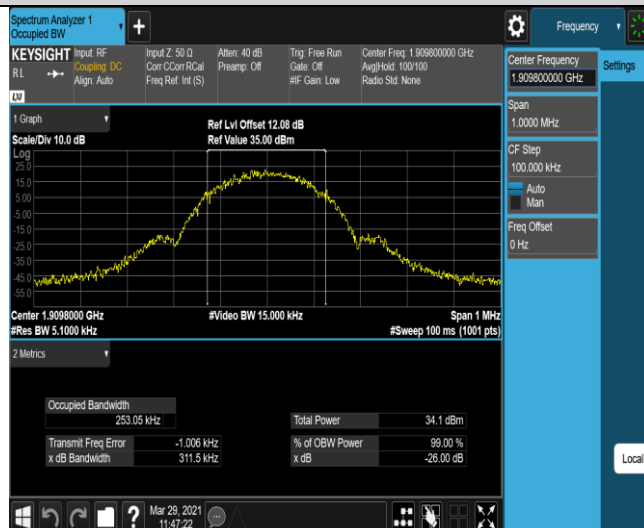
EGPRS1900-512-2-0.3057



EGPRS1900-661-2-0.3177

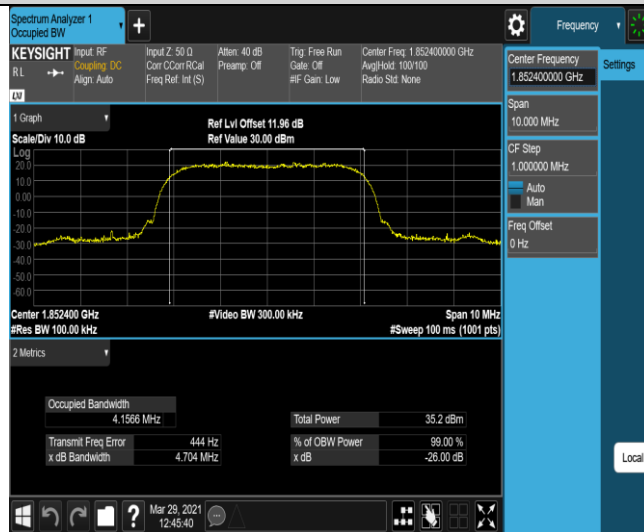


EGPRS1900-810-2-0.3115

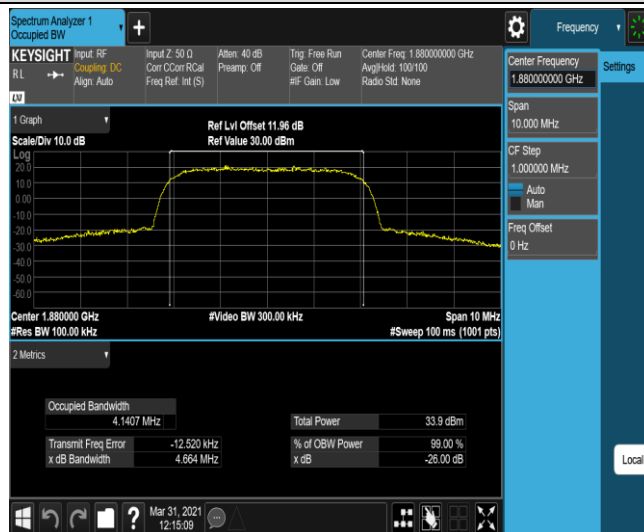


WCDMA

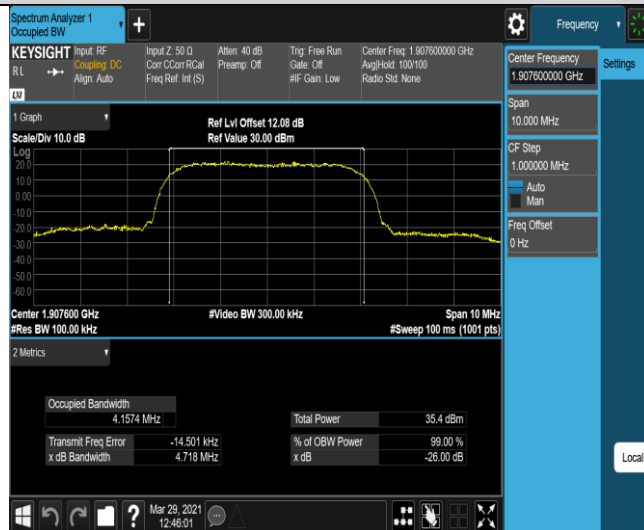
WCDMA-Band2-9262-4.704



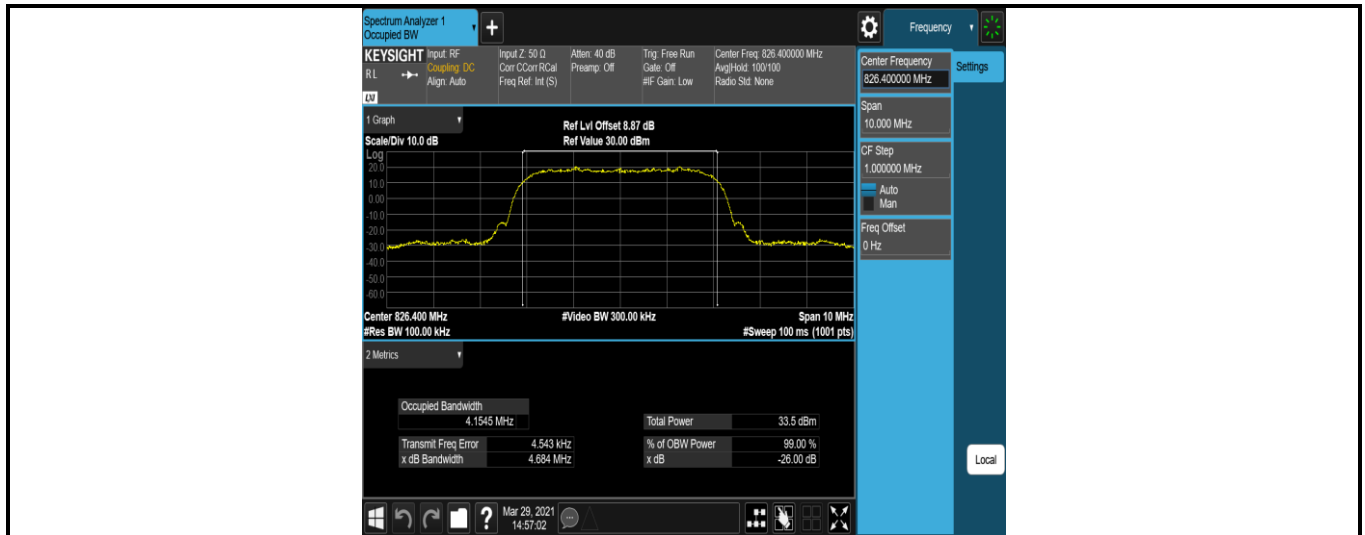
Band2-9400-4.664



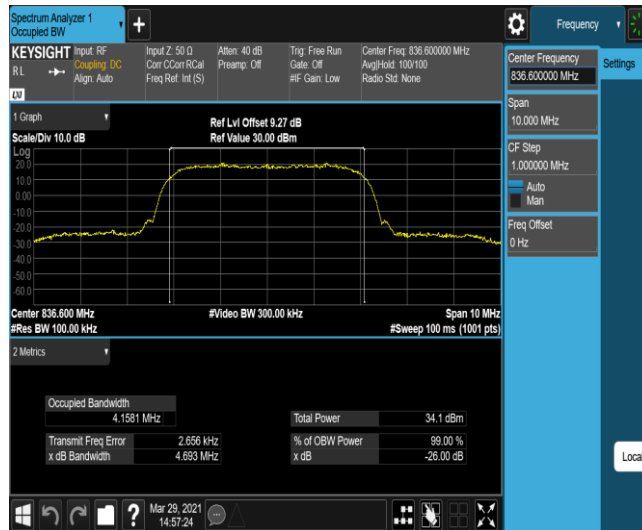
WCDMA-Band2-9538-4.718



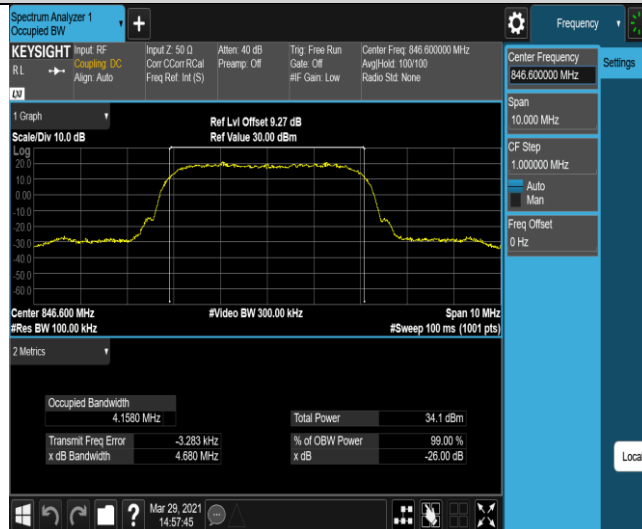
WCDMA-Band5-4132-4.684



WCDMA-Band5-4183-4.693



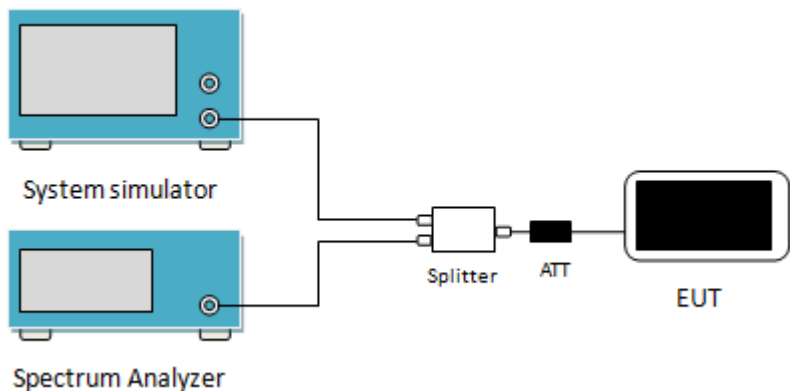
WCDMA-Band5-4233-4.680



6.4 Modulation Characteristic

According to FCC § 2.1047(d), Part 22H & 24E there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

6.5 Out of band emission at antenna terminals

Test Requirement:	FCC part 22.917(a), FCC part 24.238(a)
Limit:	-13dBm
Test setup:	 The diagram illustrates the test setup for out-of-band emission testing. It shows a System simulator connected to a Splitter. The Splitter is also connected to a Spectrum Analyzer. The Splitter is connected to an ATT (Attenuator), which is connected to the EUT (Equipment Under Test).
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 For the out of band: For GSM850&WCDMA850 set the RBW=100 kHz, VBW=300 kHz and for PCS1900 & WCDMA1900 set the RBW=1MHz, VBW=3MHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic. 3 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:
GSM

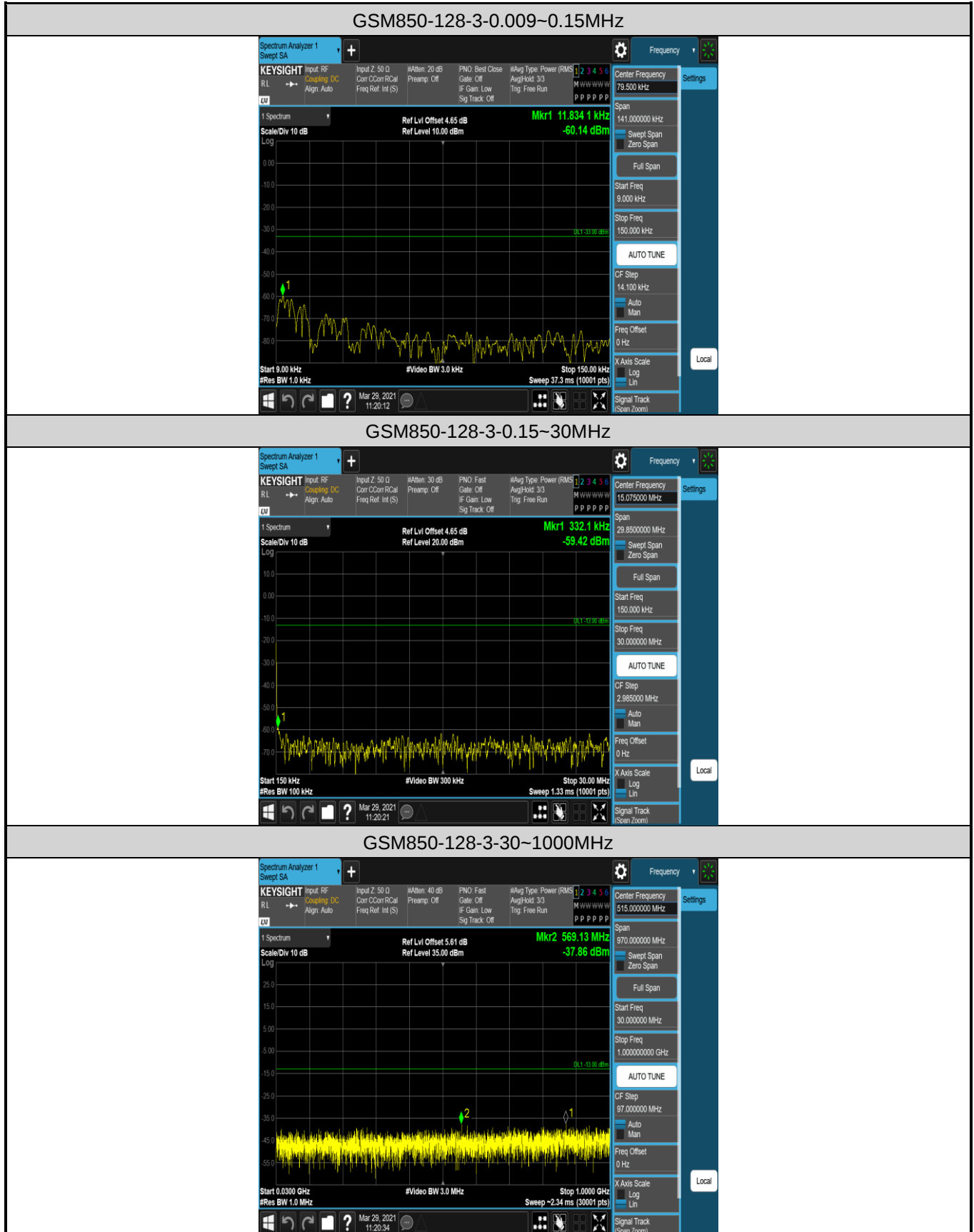
Band	Channel	PCL	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	3	0.009~0.15MHz	0.01	-60.15	-33	PASS
GSM850	128	3	0.15~30MHz	0.33	-59.42	-13	PASS
GSM850	128	3	30~1000MHz	569.13	-37.86	-13	PASS
GSM850	128	3	1000~3000MHz	1697.87	-34.6	-13	PASS
GSM850	128	3	3000~10000MHz	5023.23	-41.05	-13	PASS
GSM850	190	3	0.009~0.15MHz	0.01	-57.76	-33	PASS
GSM850	190	3	0.15~30MHz	0.45	-59.69	-13	PASS
GSM850	190	3	30~1000MHz	240.81	-38.28	-13	PASS
GSM850	190	3	1000~3000MHz	1697.6	-34.94	-13	PASS
GSM850	190	3	3000~10000MHz	3987.7	-40.48	-13	PASS
GSM850	251	3	0.009~0.15MHz	0.01	-58.38	-33	PASS
GSM850	251	3	0.15~30MHz	0.29	-59.56	-13	PASS
GSM850	251	3	30~1000MHz	741.11	-38.87	-13	PASS
GSM850	251	3	1000~3000MHz	1697.73	-34.73	-13	PASS
GSM850	251	3	3000~10000MHz	3962.5	-40.55	-13	PASS
GPRS850	128	3	0.009~0.15MHz	0.01	-60.46	-33	PASS
GPRS850	128	3	0.15~30MHz	0.36	-57.43	-13	PASS
GPRS850	128	3	30~1000MHz	957.97	-38.73	-13	PASS
GPRS850	128	3	1000~3000MHz	1697.53	-35.12	-13	PASS
GPRS850	128	3	3000~10000MHz	3868	-41.1	-13	PASS
GPRS850	190	3	0.009~0.15MHz	0.01	-60.61	-33	PASS
GPRS850	190	3	0.15~30MHz	0.29	-59.96	-13	PASS
GPRS850	190	3	30~1000MHz	940.99	-38.35	-13	PASS
GPRS850	190	3	1000~3000MHz	1698.07	-34.9	-13	PASS
GPRS850	190	3	3000~10000MHz	3969.27	-41.08	-13	PASS
GPRS850	251	3	0.009~0.15MHz	0.01	-60.39	-33	PASS
GPRS850	251	3	0.15~30MHz	0.29	-56.77	-13	PASS
GPRS850	251	3	30~1000MHz	629.75	-38.98	-13	PASS
GPRS850	251	3	1000~3000MHz	1697.4	-34.47	-13	PASS
GPRS850	251	3	3000~10000MHz	4994.07	-40.69	-13	PASS
EGPRS850	128	8	0.009~0.15MHz	0.14	-67.9	-33	PASS
EGPRS850	128	8	0.15~30MHz	0.29	-56.94	-13	PASS
EGPRS850	128	8	30~1000MHz	978.6	-38.07	-13	PASS
EGPRS850	128	8	1000~3000MHz	2542.2	-35.93	-13	PASS
EGPRS850	128	8	3000~10000MHz	4716.17	-41.34	-13	PASS
EGPRS850	190	8	0.009~0.15MHz	0.02	-67.72	-33	PASS
EGPRS850	190	8	0.15~30MHz	0.29	-58.5	-13	PASS
EGPRS850	190	8	30~1000MHz	989.1	-38.13	-13	PASS
EGPRS850	190	8	1000~3000MHz	2952.4	-35.75	-13	PASS

EGPRS850	190	8	3000~10000MHz	3980.47	-40.63	-13	PASS
EGPRS850	251	8	0.009~0.15MHz	0.06	-64.62	-33	PASS
EGPRS850	251	8	0.15~30MHz	0.29	-58.16	-13	PASS
EGPRS850	251	8	30~1000MHz	515.74	-38.49	-13	PASS
EGPRS850	251	8	1000~3000MHz	2764.33	-35.4	-13	PASS
EGPRS850	251	8	3000~10000MHz	4858.03	-40.35	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.01	-71.19	-43	PASS
GSM1900	512	0	0.15~30MHz	0.36	-61.08	-23	PASS
GSM1900	512	0	30~1000MHz	840.73	-47.73	-13	PASS
GSM1900	512	0	1000~3000MHz	2957.2	-27.22	-13	PASS
GSM1900	512	0	3000~10000MHz	8067.3	-40.88	-13	PASS
GSM1900	512	0	10000~18000MHz	14269.87	-34.72	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.01	-71.16	-43	PASS
GSM1900	661	0	0.15~30MHz	0.29	-60.18	-23	PASS
GSM1900	661	0	30~1000MHz	403.42	-46.63	-13	PASS
GSM1900	661	0	1000~3000MHz	2542.6	-27.77	-13	PASS
GSM1900	661	0	3000~10000MHz	5010.4	-41.21	-13	PASS
GSM1900	661	0	10000~18000MHz	14830.93	-34.88	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.01	-69.21	-43	PASS
GSM1900	810	0	0.15~30MHz	0.53	-58.35	-23	PASS
GSM1900	810	0	30~1000MHz	764.32	-48.82	-13	PASS
GSM1900	810	0	1000~3000MHz	2658.87	-27.53	-13	PASS
GSM1900	810	0	3000~10000MHz	5729.77	-37.45	-13	PASS
GSM1900	810	0	10000~18000MHz	14860.27	-34.47	-13	PASS
GPRS1900	512	0	0.009~0.15MHz	0.01	-69.32	-43	PASS
GPRS1900	512	0	0.15~30MHz	0.29	-59.23	-23	PASS
GPRS1900	512	0	30~1000MHz	749.58	-46.88	-13	PASS
GPRS1900	512	0	1000~3000MHz	2586.13	-27.58	-13	PASS
GPRS1900	512	0	3000~10000MHz	7982.83	-41.3	-13	PASS
GPRS1900	512	0	10000~18000MHz	16309.87	-34.77	-13	PASS
GPRS1900	661	0	0.009~0.15MHz	0.01	-69.06	-43	PASS
GPRS1900	661	0	0.15~30MHz	0.29	-59.13	-23	PASS
GPRS1900	661	0	30~1000MHz	987.84	-47.25	-13	PASS
GPRS1900	661	0	1000~3000MHz	2554.67	-27.7	-13	PASS
GPRS1900	661	0	3000~10000MHz	5729.07	-37.47	-13	PASS
GPRS1900	661	0	10000~18000MHz	14145.07	-34.43	-13	PASS
GPRS1900	810	0	0.009~0.15MHz	0.01	-70.17	-43	PASS
GPRS1900	810	0	0.15~30MHz	0.31	-54.5	-23	PASS
GPRS1900	810	0	30~1000MHz	637.48	-47.37	-13	PASS
GPRS1900	810	0	1000~3000MHz	2424.73	-27.62	-13	PASS
GPRS1900	810	0	3000~10000MHz	3995.87	-40.39	-13	PASS
GPRS1900	810	0	10000~18000MHz	15890.4	-34.97	-13	PASS

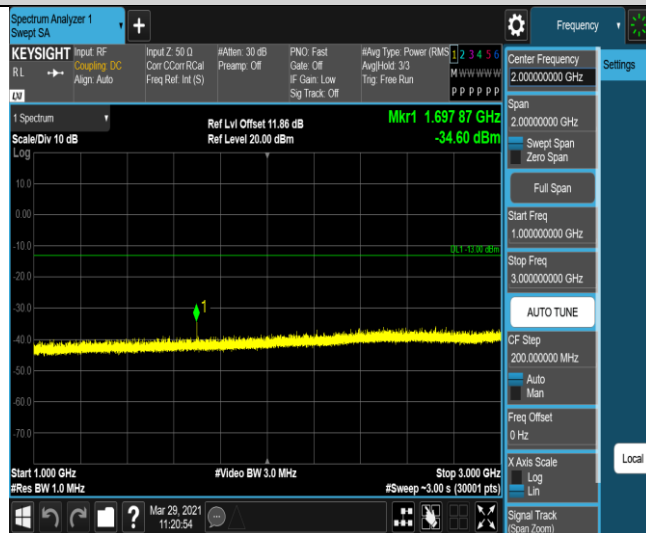
WCDMA

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.13	-73.33	-43	PASS
Band2	9262	0.15~30MHz	0.28	-54.84	-23	PASS
Band2	9262	30~1000MHz	865.43	-46.05	-13	PASS
Band2	9262	1000~3000MHz	2470.53	-27.72	-13	PASS
Band2	9262	3000~10000MHz	3707.47	-27.02	-13	PASS
Band2	9262	10000~20000MHz	19122	-31.83	-13	PASS
Band2	9400	0.009~0.15MHz	0.13	-73.57	-43	PASS
Band2	9400	0.15~30MHz	0.28	-54.57	-23	PASS
Band2	9400	30~1000MHz	877.42	-45.5	-13	PASS
Band2	9400	1000~3000MHz	2911.87	-27.72	-13	PASS
Band2	9400	3000~10000MHz	3762.3	-26.78	-13	PASS
Band2	9400	10000~20000MHz	19843	-31.61	-13	PASS
Band2	9538	0.009~0.15MHz	0.12	-73.67	-43	PASS
Band2	9538	0.15~30MHz	0.28	-54.43	-23	PASS
Band2	9538	30~1000MHz	885.51	-47.12	-13	PASS
Band2	9538	1000~3000MHz	2559	-27.53	-13	PASS
Band2	9538	3000~10000MHz	3817.83	-22.72	-13	PASS
Band2	9538	10000~20000MHz	18945.33	-31.71	-13	PASS
Band5	4132	0.009~0.15MHz	0.15	-73.94	-33	PASS
Band5	4132	0.15~30MHz	0.31	-55.16	-13	PASS
Band5	4132	30~1000MHz	971.61	-37.35	-13	PASS
Band5	4132	1000~3000MHz	2980.73	-35.64	-13	PASS
Band5	4132	3000~10000MHz	3992.37	-41.13	-13	PASS
Band5	4132	10000~18000MHz	17389.6	-41.25	-13	PASS
Band5	4183	0.009~0.15MHz	0.09	-73.72	-33	PASS
Band5	4183	0.15~30MHz	0.29	-52.85	-13	PASS
Band5	4183	30~1000MHz	687.76	-37.28	-13	PASS
Band5	4183	1000~3000MHz	2339.13	-35.94	-13	PASS
Band5	4183	3000~10000MHz	9072.5	-41.3	-13	PASS
Band5	4183	10000~18000MHz	15421.87	-40.76	-13	PASS
Band5	4233	0.009~0.15MHz	0.1	-74.56	-33	PASS
Band5	4233	0.15~30MHz	0.28	-53.09	-13	PASS
Band5	4233	30~1000MHz	964.5	-37.23	-13	PASS
Band5	4233	1000~3000MHz	2678.6	-36.02	-13	PASS
Band5	4233	3000~10000MHz	5115.17	-40.64	-13	PASS
Band5	4233	10000~18000MHz	17636	-41.61	-13	PASS

Test plots as follows (Spurious emission):



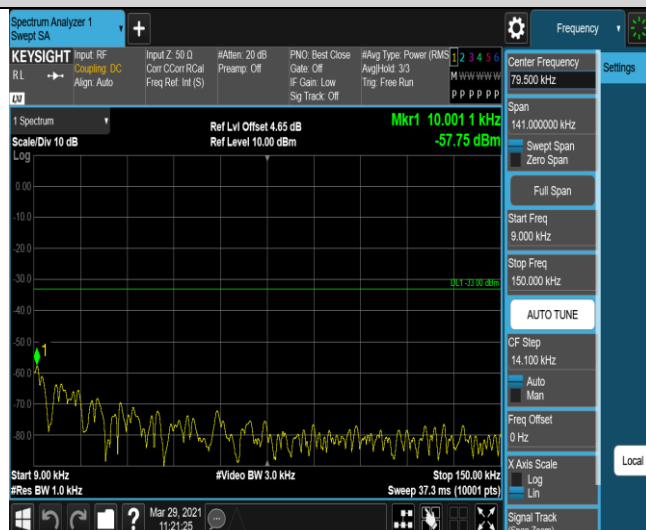
GSM850-128-3-1000~3000MHz



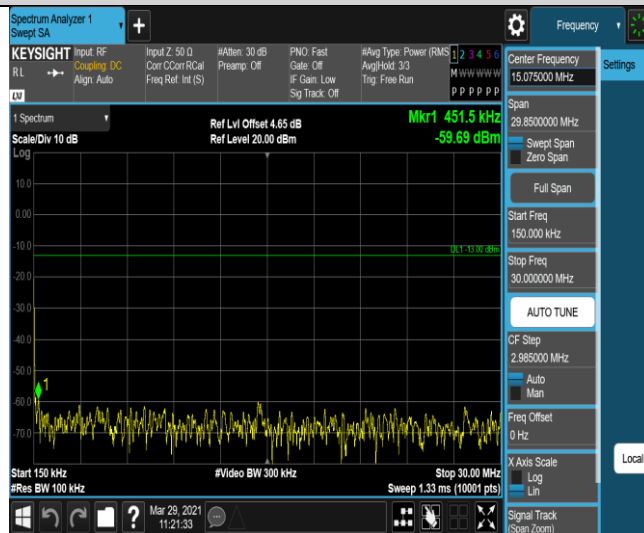
GSM850-128-3-3000~10000MHz



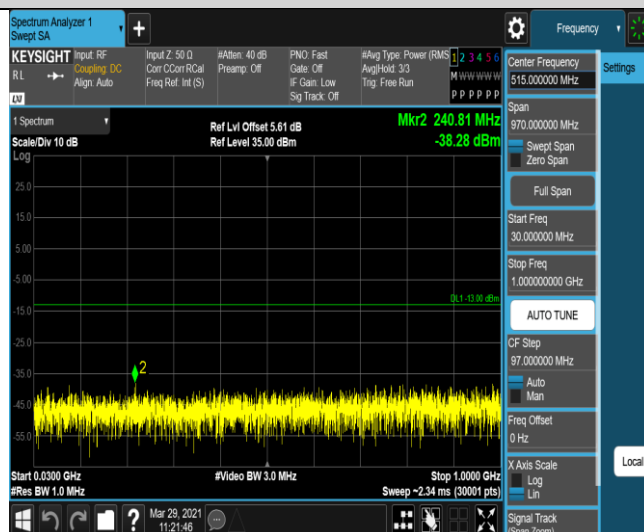
GSM850-190-3-0.009~0.15MHz



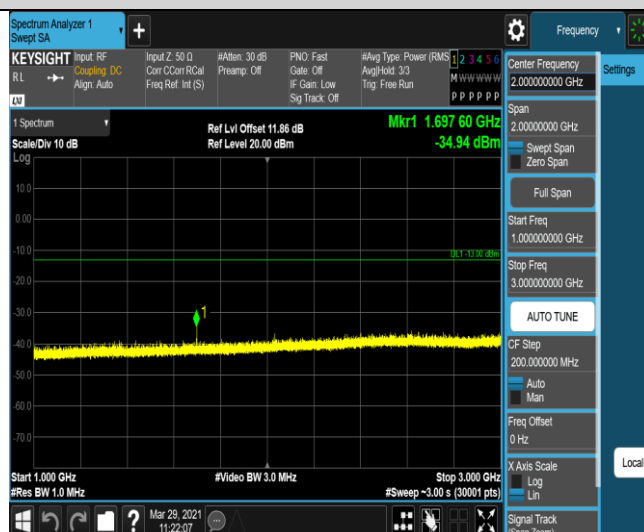
GSM850-190-3-0.15~30MHz



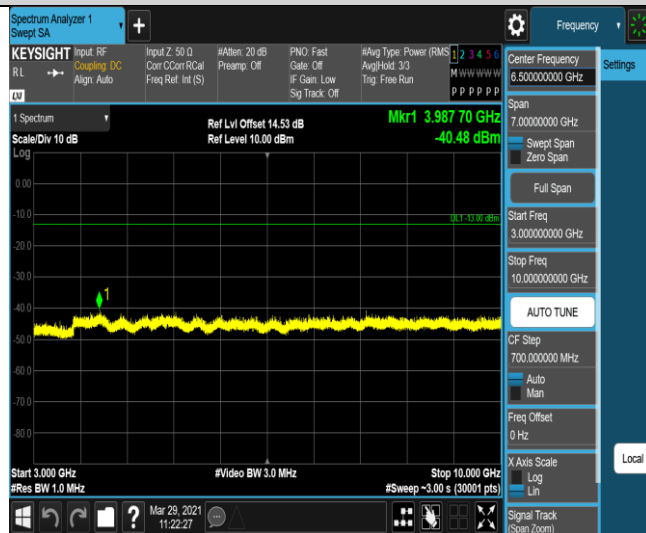
GSM850-190-3-30~1000MHz



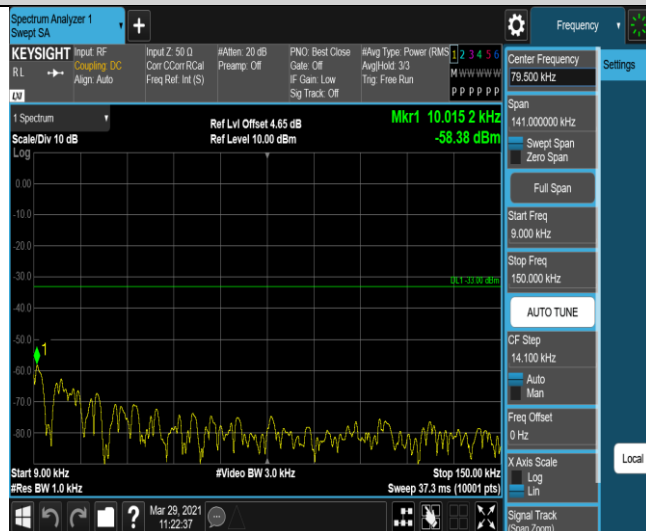
GSM850-190-3-1000~3000MHz



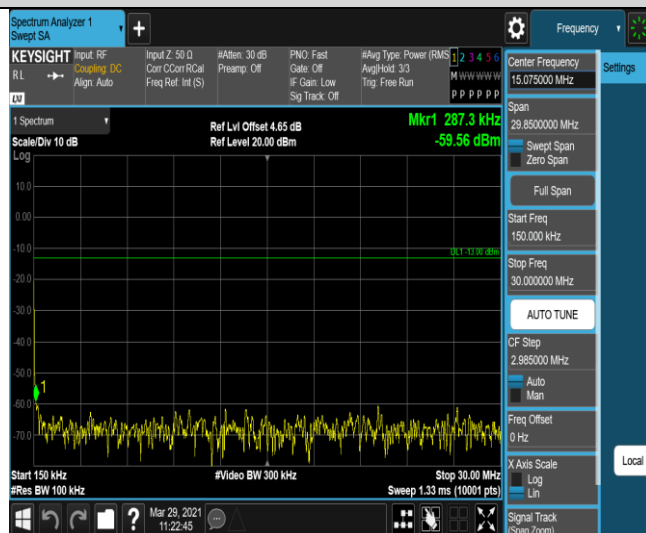
GSM850-190-3-3000~10000MHz



GSM850-251-3-0.009~0.15MHz



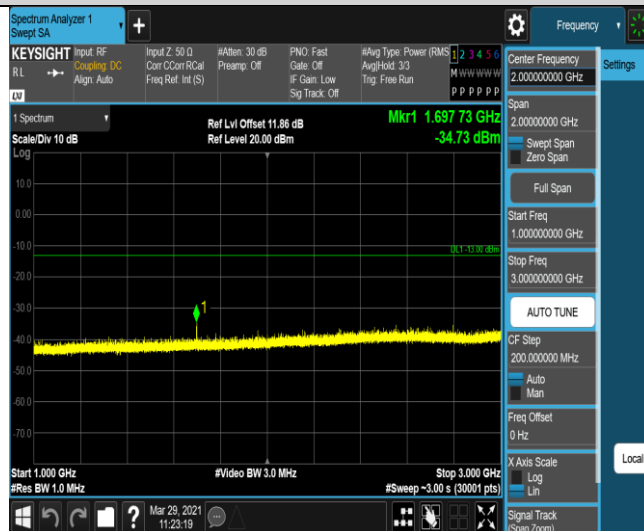
GSM850-251-3-0.15~30MHz



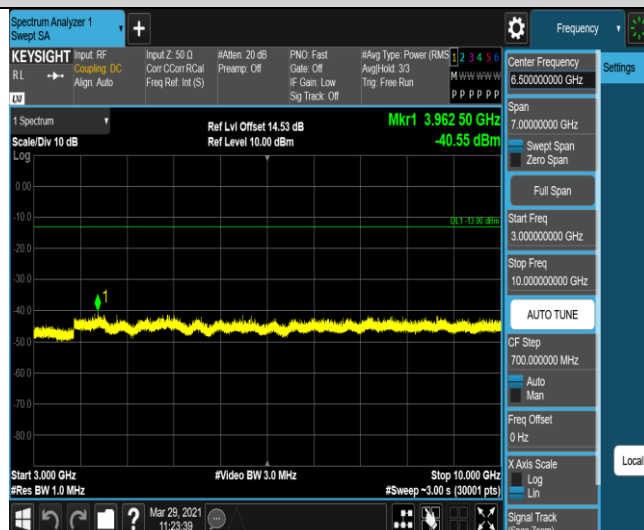
GSM850-251-3-30~1000MHz

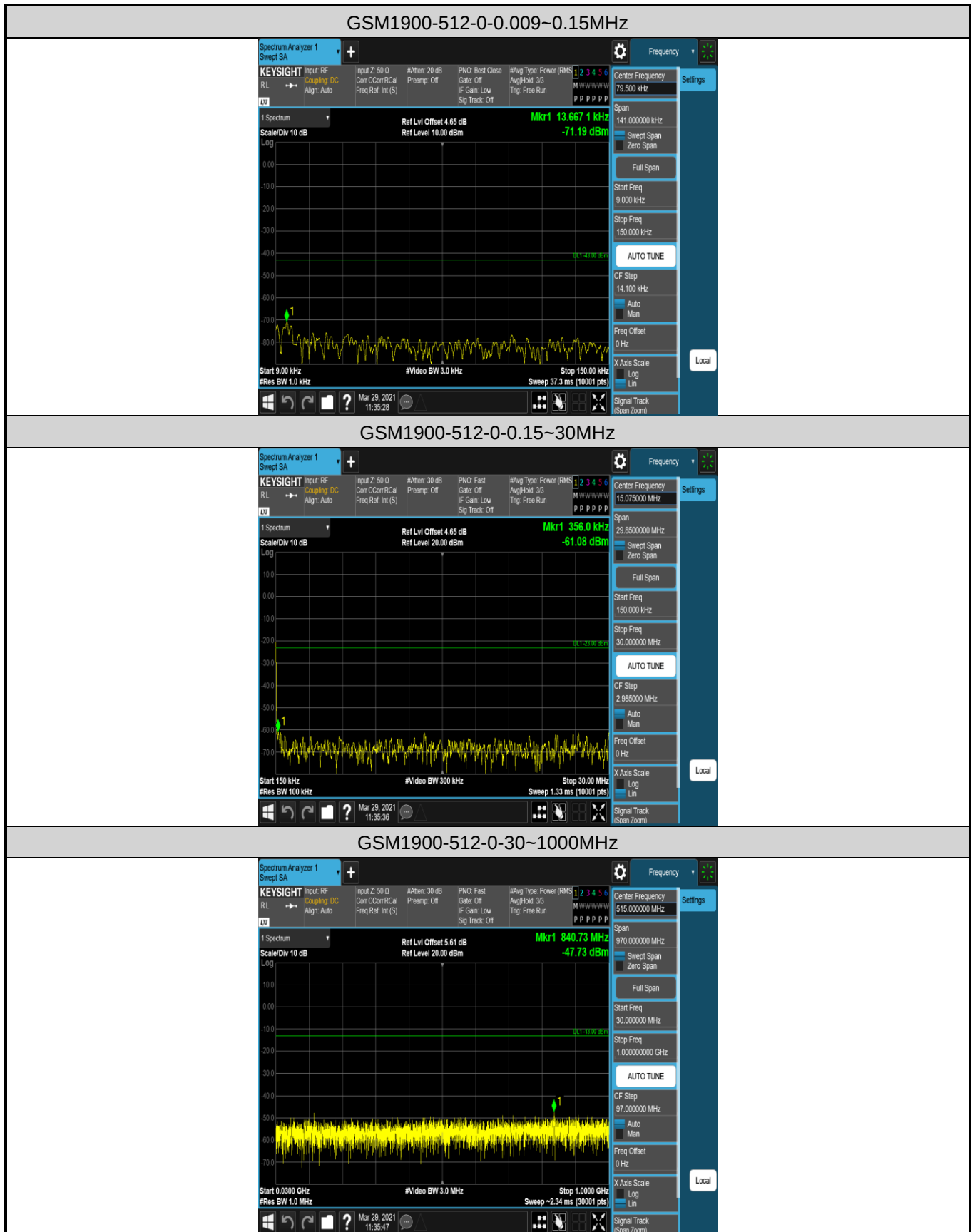


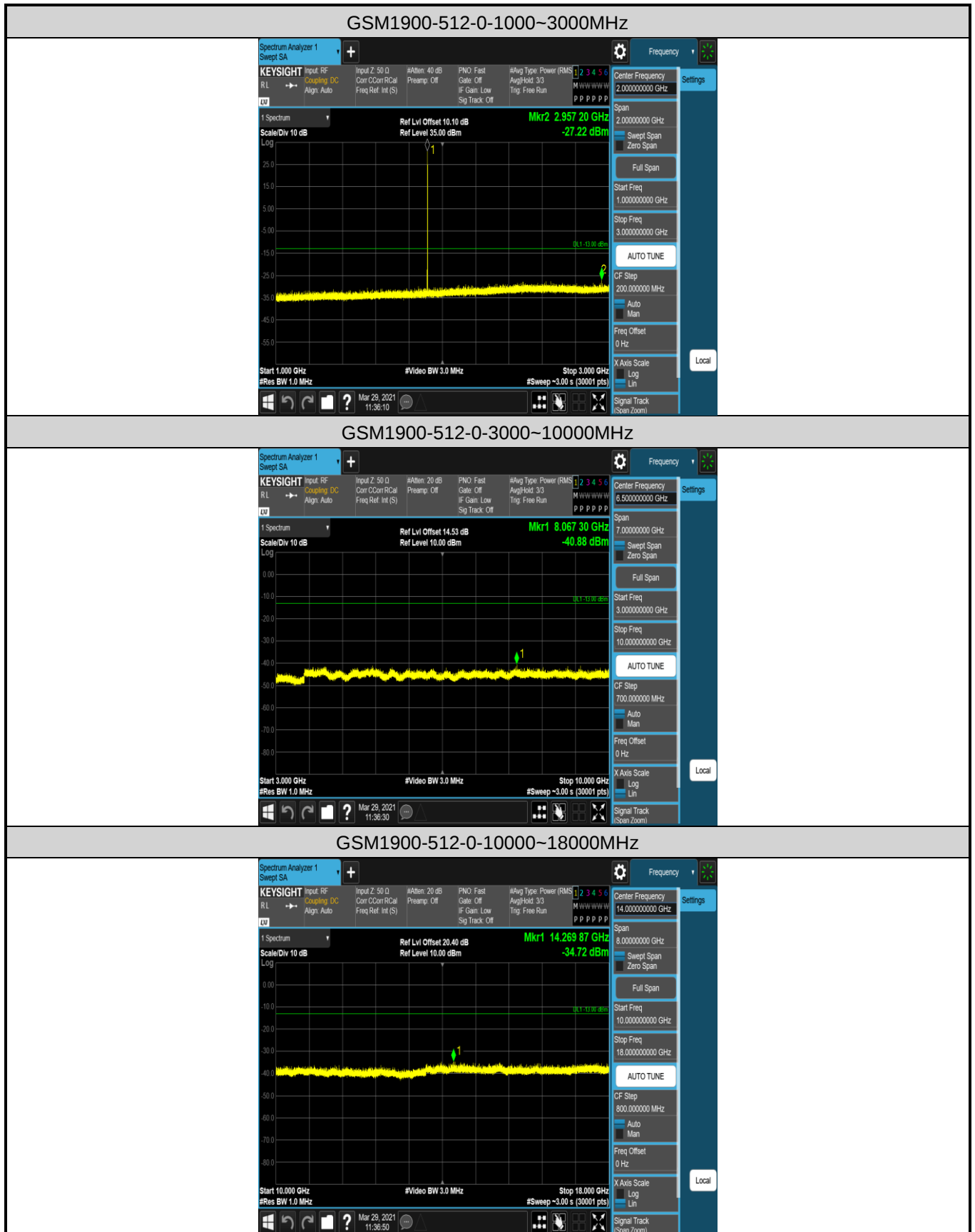
GSM850-251-3-1000~3000MHz

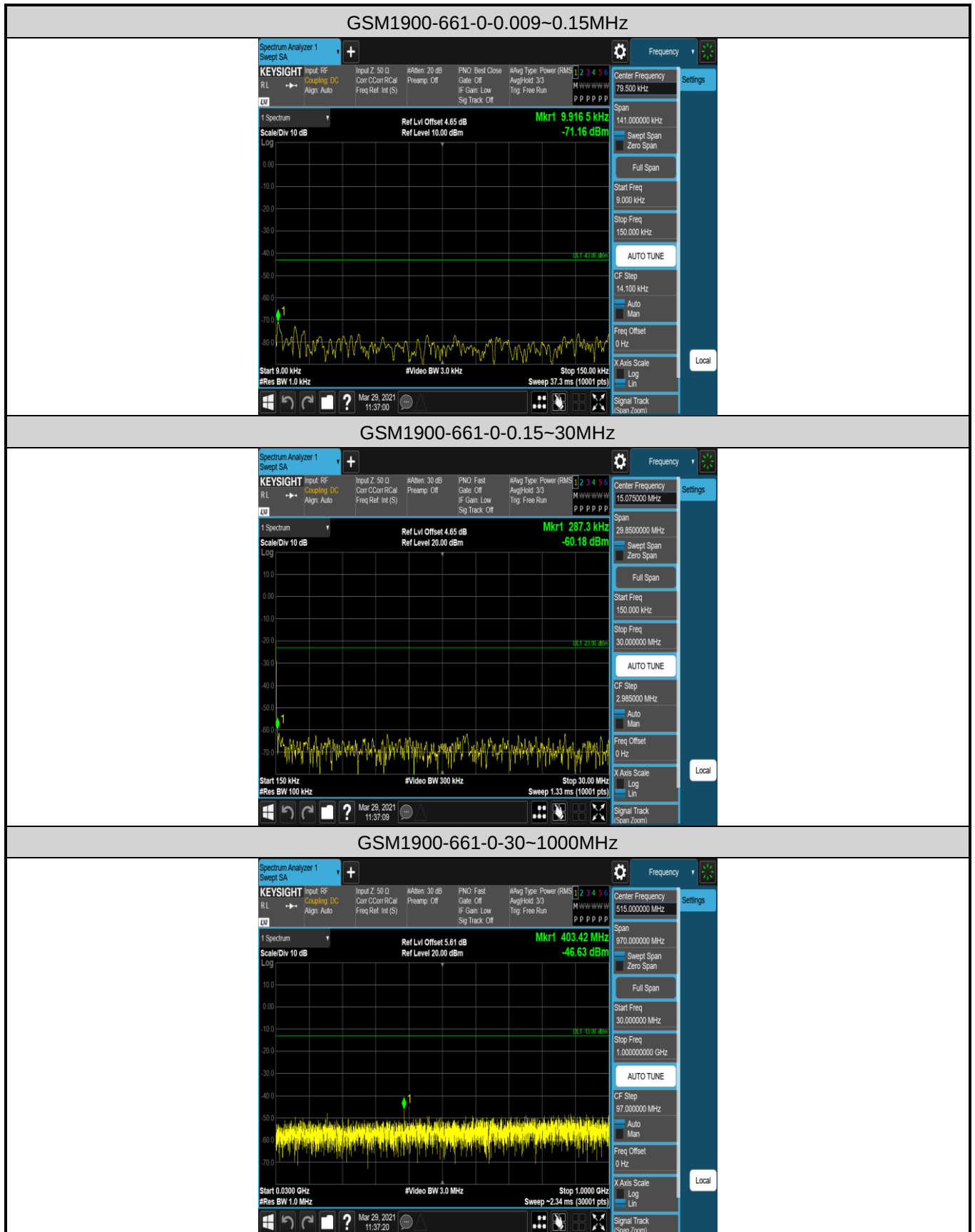


GSM850-251-3-3000~10000MHz

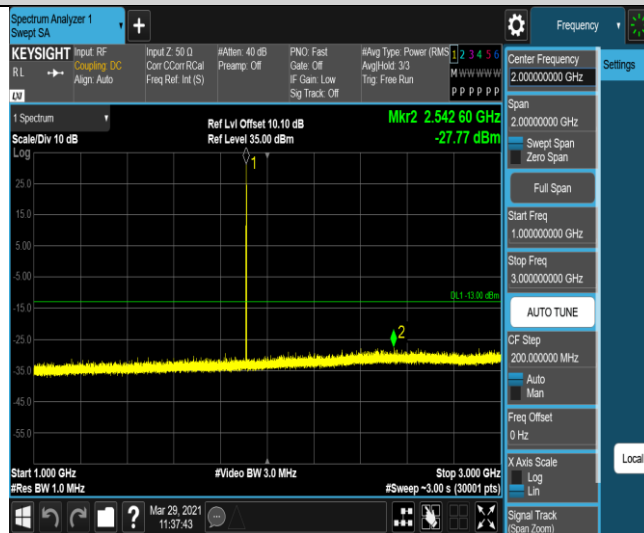








GSM1900-661-0-1000~3000MHz



GSM1900-661-0-3000~10000MHz



GSM1900-661-0-10000~18000MHz

