RF TEST REPORT

Applicant	MeiG Smart Technology Co., Ltd
FCC ID	2APJ4-SLM750V
Product	SLM750
Brand	MEIGLink
Model	SLM750
Report No.	R1908A0527-R2V1
Issue Date	November 6, 2019

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2018)/ FCC CFR 47 Part 24E (2018)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

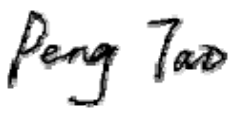

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TABLE OF CONTENT

1. Test Laboratory 4
1.1. Notes of the test report 4
1.2. Test facility 4
1.3. Testing Location 5
2. General Description of Equipment under Test 6
3. Applied Standards 8
4. Test Configuration 9
5. Test Case Results 11
5.1. RF Power Output 11
5.2. Effective Isotropic Radiated Power 19
5.3. Occupied Bandwidth 28
5.4. Band Edge Compliance 47
5.5. Peak-to-Average Power Ratio (PAPR) 66
5.6. Frequency Stability 70
5.7. Spurious Emissions at Antenna Terminals 76
5.8. Radiates Spurious Emission 92
6. Main Test Instruments 100

Summary of measurement results

No.	Test Case	Clause in FCC rules	Verdict
1	RF power output	2.1046	PASS
2	Effective Isotropic Radiated power	24.232(c)	PASS
3	Occupied Bandwidth	2.1049	PASS
4	Band Edge Compliance	2.1051 /24.238(a)	PASS
5	Peak-to-Average Power Ratio	24.232/KDB 971168 D01(5.7)	PASS
6	Frequency Stability	2.1055 / 24.235	PASS
7	Spurious Emissions at Antenna Terminals	2.1051 / 24.238(a)	PASS
8	Radiates Spurious Emission	2.1053 / 24.238(a)	PASS
Note: PASS: The EUT complies with the essential requirements in the standard. FAIL: The EUT does not comply with the essential requirements in the standard.			
Date of Testing: September 3, 2019 ~ September 24, 2019			

1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein .Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

IC (recognition number is 8510A)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Canada to perform electromagnetic emission measurement.

VCCI (recognition number is C-4595, T-2154, R-4113, G-10766)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Japan to perform electromagnetic emission measurement.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.
Address:	No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City:	Shanghai
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2. General Description of Equipment under Test

Client Information

Applicant	MeiG Smart Technology Co., Ltd
Applicant address	3F,No.88,Qinjiang Road, Xuhui District,Shanghai,China
Manufacturer	MeiG Smart Technology Co., Ltd
Manufacturer address	3F,No.88,Qinjiang Road, Xuhui District,Shanghai,China

General information

EUT Description			
Model	SLM750		
IMEI	863879041726491		
Hardware Version	SLM750-V_MB_V1.00		
Software Version	SLM750-V_2.0.2D_EQ100		
Power Supply	External Power Supply		
Antenna Type	PCB Antenna		
Antenna Gain	2.5dBi		
Test Mode(s)	GSM1900; CDMA BC1; WCDMA Band II; LTE Band 2/25;		
Test Modulation	(GSM)GMSK,8PSK; (WCDMA) BPSK, QPSK,16QAM; (LTE)QPSK,16QAM		
GPRS Multislot Class	12		
EGPRS Multislot Class	8		
HSDPA UE Category	8		
HSUPA UE Category	6		
LTE Category	4		
Maximum E.I.R.P	GSM 1900:	32.48dBm	
	WCDMA Band II:	25.31dBm	
	CDMA BC1:	26.88dBm	
	LTE Band 2:	25.35dBm	
	LTE Band 25:	24.87dBm	
Rated Power Supply Voltage	3.8V		
Extreme Voltage	Minimum: 3.3V Maximum: 4.2V		
Extreme Temperature	Lowest: -40°C Highest: +85°C		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM1900	1850 ~ 1910	1930 ~ 1990
	WCDMA Band II	1850 ~ 1910	1930 ~ 1990
	CDMA BC1	1850 ~ 1910	1930 ~ 1990
	LTE Band 2	1850 ~ 1910	1930 ~ 1990
	LTE Band 25	1850 ~ 1915	1930 ~ 1995

Note: 1. The information of the EUT is declared by the manufacturer.

3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC CFR47 Part 2 (2018)

FCC CFR 47 Part 24E (2018)

ANSI C63.26 (2015)

KDB 971168 D01 Power Meas License Digital Systems v03r01

4. Test Configuration

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (X axis, vertical polarization) and the worst case was recorded.

All mode and data rates and positions and RB size and modulations were investigated.
Subsequently, only the worst case emissions are reported.
The following testing in GSM/WCDMA/LTE is set based on the maximum RF Output Power.

Test modes are chosen to be reported as the worst case configuration below:

Test items	Modes/Modulation	
	GSM 1900	WCDMA Band II
RF power output	GSM GPRS EGPRS	RMC HSDPA/HSUPA DC-HSDPA
Effective Isotropic Radiated power	GSM GPRS(1Tx slot) EGPRS(1Tx slot)	RMC
Occupied Bandwidth	GSM GPRS(1Tx slot) EGPRS(1Tx slot)	RMC
Band Edge Compliance	GSM GPRS(1Tx slot) EGPRS(1Tx slot)	RMC
Peak-to-Average Power Ratio	GSM GPRS(1Tx slot) EGPRS(1Tx slot)	RMC
Frequency Stability	GSM GPRS(1Tx slot) EGPRS(1Tx slot)	RMC
Spurious Emissions at Antenna Terminals	GSM	RMC
Radiates Spurious Emission	GSM	RMC

Test modes are chosen to be reported as the worst case configuration below for LTE Band 2/25:

Test items	Bandwidth (MHz)						Modulation		RB			Test Channel		
	1.4	3	5	10	15	20	QPSK	16QAM	1	50%	100%	L	M	H
RF power output	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Effective Isotropic Radiated power	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Band Edge Compliance	O	O	O	O	O	O	O	O	O	-	O	O	-	O
Peak-to-Average Power Ratio	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Frequency Stability	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Conducted Spurious Emissions	O	O	O	O	O	O	O	-	O	-	-	O	O	O
Radiates Spurious Emission	O	-	O	-	-	O	O	-	O	-	-	-	O	-
Note	1. The mark “O” means that this configuration is chosen for testing. 2. The mark “-” means that this configuration is not testing.													

5. Test Case Results

5.1. RF Power Output

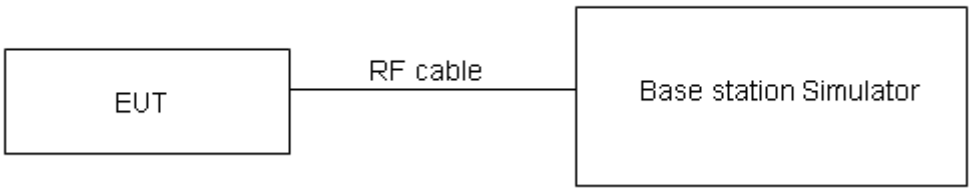
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

During the process of the testing, The EUT is controlled by the Base Station Simulator to ensure max power transmission and proper modulation.

Test Setup



The loss between RF output port of the EUT and the input port of the tester has been taken into consideration.

Limits

No specific RF power output requirements in part 2.1046.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 0.4 dB.

Test Results

GSM 1900		Conducted Power(dBm)		
		Channel 512	Channel 661	Channel 810
		1850.2(MHz)	1880(MHz)	1909.8(MHz)
GSM	Results	29.07	29.15	29.20
GPRS/EGPRS (GMSK)	1TXslot	29.07	29.22	29.20
	2TXslots	29.01	29.15	29.14
	3TXslots	28.86	29.08	29.98
	4TXslots	28.71	29.83	29.26
EGPRS (8PSK)	1TXslot	24.90	25.02	24.92
	2TXslots	24.87	24.94	24.82
	3TXslots	24.62	24.72	24.74
	4TXslots	24.54	24.92	24.66

WCDMA Band II		Conducted Power(dBm)		
		Channel 9262	Channel 9400	Channel 9538
		1852.4(MHz)	1880(MHz)	1907.6(MHz)
RMC		22.80	22.81	22.79
HSDPA	Sub - Test 1	22.26	22.23	22.23
	Sub - Test 2	22.25	22.25	22.20
	Sub - Test 3	21.72	21.75	21.72
	Sub - Test 4	21.73	21.76	21.70
HSUPA	Sub - Test 1	22.22	22.22	22.18
	Sub - Test 2	21.21	21.20	21.17
	Sub - Test 3	21.68	21.68	21.66
	Sub - Test 4	21.14	21.17	21.14
	Sub - Test 5	22.15	22.15	22.12
DC-HSDPA	Sub - Test 1	22.14	22.17	22.13
	Sub - Test 2	22.13	22.16	22.12
	Sub - Test 3	21.71	21.65	21.63
	Sub - Test 4	21.70	21.64	21.62

CDMA BC1		Conducted Power(dBm)		
		Channel/Frenqucy(MHz)		
		25/1851.25	600/1880	1175/1908.75
RC1	SO55 (Loopback)	24.00	24.15	24.25
RC3	SO55 (Loopback)	23.90	24.18	24.27
	TDSO32 (FCH+SCH)	23.81	24.20	24.24
	TDSO32 (FCH)	23.26	23.44	23.65
1x Advanced	SO75	24.04	24.17	24.38
Rev 0	RTAP	24.01	24.20	24.37
Rev A	RETAP	23.96	24.11	24.29

LTE Band 2				Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18607/1850.7	18900/1880	19193/1909.3
1.4MHz	QPSK	1	0	22.83	22.31	21.95
		1	2	22.49	22.30	22.31
		1	5	22.62	22.11	22.09
		3	0	21.13	21.11	21.20
		3	2	21.12	21.06	21.12
		3	3	21.20	21.04	20.96
		6	0	21.14	21.15	21.10
	16QAM	1	0	21.16	21.78	21.40
		1	2	21.11	21.82	21.50
		1	5	20.46	21.62	21.49
		3	0	20.05	20.07	20.00
		3	2	20.04	20.08	20.01
		3	3	20.01	20.17	19.96
		6	0	20.16	20.17	20.13
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18615/1851.5	18900/1880	19185/1908.5
3MHz	QPSK	1	0	22.85	22.35	21.98
		1	7	22.52	22.35	22.35
		1	14	22.65	22.16	22.13
		8	0	21.21	21.21	21.31
		8	4	21.22	21.14	21.22
		8	7	21.28	21.13	21.04
		15	0	21.17	21.19	21.13

	16QAM	1	0	21.19	21.80	21.43
		1	7	21.14	21.87	21.54
		1	14	20.48	21.66	21.52
		8	0	20.14	20.18	20.10
		8	4	20.13	20.19	20.11
		8	7	20.09	20.27	20.07
		15	0	20.19	20.21	20.16
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18625/1852.5	18900/1880	19175/1907.5
5MHz	QPSK	1	0	22.82	22.33	21.94
		1	13	22.50	22.31	22.32
		1	24	22.62	22.11	22.09
		12	0	21.18	21.16	21.27
		12	6	21.20	21.10	21.17
		12	13	21.26	21.11	21.00
		25	0	21.15	21.18	21.11
	16QAM	1	0	21.16	21.76	21.40
		1	13	21.11	21.85	21.51
		1	24	20.45	21.64	21.48
		12	0	20.12	20.14	20.07
		12	6	20.10	20.14	20.07
		12	13	20.06	20.22	20.03
		25	0	20.17	20.17	20.11
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18650/1855	18900/1880	19150/1905
10MHz	QPSK	1	0	22.84	22.34	21.97
		1	25	22.53	22.36	22.36
		1	49	22.64	22.15	22.12
		25	0	21.21	21.21	21.31
		25	13	21.23	21.15	21.21
		25	25	21.28	21.15	21.05
		50	0	21.23	21.20	21.15
	16QAM	1	0	21.18	21.79	21.42
		1	25	21.14	21.89	21.54
		1	49	20.48	21.66	21.51
		25	0	20.15	20.19	20.11
		25	13	20.12	20.18	20.10
		25	25	20.09	20.27	20.07
		50	0	20.20	20.22	20.15
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		

				18675/1857.5	18900/1880	19125/1902.5
15MHz	QPSK	1	0	22.83	22.30	21.95
		1	38	22.51	22.35	22.33
		1	74	22.61	22.10	22.08
		36	0	21.19	21.17	21.28
		36	18	21.20	21.10	21.17
		36	39	21.25	21.12	21.01
		75	0	21.21	21.16	21.10
	16QAM	1	0	21.13	21.77	21.40
		1	38	21.12	21.86	21.52
		1	74	20.45	21.62	21.48
		36	0	20.12	20.17	20.08
		36	18	20.09	20.13	20.06
		36	39	20.07	20.23	20.04
		75	0	20.17	20.17	20.11
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18700/1860	18900/1880	19100/1900
20MHz	QPSK	1	0	22.80	22.26	21.92
		1	50	22.50	22.31	22.31
		1	99	22.59	22.09	22.05
		50	0	21.16	21.12	21.24
		50	25	21.18	21.06	21.14
		50	50	21.22	21.07	20.97
		100	0	21.18	21.11	21.06
	16QAM	1	0	21.11	21.73	21.35
		1	50	21.08	21.84	21.48
		1	99	20.43	21.59	21.46
		50	0	20.09	20.13	20.05
		50	25	20.06	20.11	20.03
		50	50	20.04	20.18	20.00
		100	0	20.15	20.13	20.08

LTE Band 25				Average Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26047/1850.7	26365/1882.5	26683/1914.3
1.4MHz	QPSK	1	0	22.11	22.19	22.08
		1	2	22.33	22.18	22.09
		1	5	22.08	21.71	21.57

		3	0	21.10	21.00	20.87
		3	2	21.02	20.97	20.86
		3	3	21.09	20.77	20.85
		6	0	21.10	20.95	20.92
	16QAM	1	0	21.00	21.87	21.50
		1	2	21.05	22.16	21.66
		1	5	20.56	21.69	21.18
		3	0	20.09	20.06	19.90
		3	2	20.16	20.03	19.89
		3	3	20.09	19.90	19.90
		6	0	20.26	20.04	20.02
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26055/1851.5	26365/1882.5	26675/1913.5
3MHz	QPSK	1	0	22.13	22.23	22.11
		1	7	22.36	22.23	22.13
		1	14	22.11	21.76	21.61
		8	0	21.18	21.10	20.98
		8	4	21.12	21.05	20.96
		8	7	21.17	20.86	20.93
		15	0	21.13	20.99	20.95
	16QAM	1	0	21.03	21.89	21.53
		1	7	21.08	22.21	21.70
		1	14	20.58	21.73	21.21
		8	0	20.18	20.17	20.00
		8	4	20.25	20.14	19.99
		8	7	20.17	20.00	20.01
		15	0	20.29	20.08	20.05
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26065/1852.5	26365/1882.5	26665/1912.5
5MHz	QPSK	1	0	22.10	22.21	22.07
		1	13	22.34	22.19	22.10
		1	24	22.08	21.71	21.57
		12	0	21.15	21.05	20.94
		12	6	21.10	21.01	20.91
		12	13	21.15	20.84	20.89
		25	0	21.11	20.98	20.93
	16QAM	1	0	21.00	21.85	21.50
		1	13	21.05	22.19	21.67
		1	24	20.55	21.71	21.17
		12	0	20.16	20.13	19.97

		12	6	20.22	20.09	19.95
		12	13	20.14	19.95	19.97
		25	0	20.27	20.04	20.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26090/1855	26365/1882.5	26640/1910
10MHz	QPSK	1	0	22.12	22.22	22.10
		1	25	22.37	22.24	22.14
		1	49	22.10	21.75	21.60
		25	0	21.18	21.10	20.98
		25	13	21.13	21.06	20.95
		25	25	21.17	20.88	20.94
		50	0	21.19	21.00	20.97
	16QAM	1	0	21.02	21.88	21.52
		1	25	21.08	22.23	21.70
		1	49	20.58	21.73	21.20
		25	0	20.19	20.18	20.01
		25	13	20.24	20.13	19.98
		25	25	20.17	20.00	20.01
		50	0	20.30	20.09	20.04
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26115/1857.5	26365/1882.5	26615/1907.5
15MHz	QPSK	1	0	22.11	22.18	22.08
		1	25	22.35	22.23	22.11
		1	49	22.07	21.70	21.56
		25	0	21.16	21.06	20.95
		25	13	21.10	21.01	20.91
		25	25	21.14	20.85	20.90
		50	0	21.17	20.96	20.92
	16QAM	1	0	20.97	21.86	21.50
		1	25	21.06	22.20	21.68
		1	49	20.55	21.69	21.17
		25	0	20.16	20.16	19.98
		25	13	20.21	20.08	19.94
		25	25	20.15	19.96	19.98
		50	0	20.27	20.04	20.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26140/1860	26365/1882.5	26590/1905
20MHz	QPSK	1	0	22.08	22.14	22.05
		1	50	22.34	22.19	22.09
		1	99	22.05	21.69	21.53

		50	0	21.13	21.01	20.91
		50	25	21.08	20.97	20.88
		50	50	21.11	20.80	20.86
		100	0	21.14	20.91	20.88
	16QAM	1	0	20.95	21.82	21.45
		1	50	21.02	22.18	21.64
		1	99	20.53	21.66	21.15
		50	0	20.13	20.12	19.95
		50	25	20.18	20.06	19.91
		50	50	20.12	19.91	19.94
		100	0	20.25	20.00	19.97

5.2. Effective Isotropic Radiated Power

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

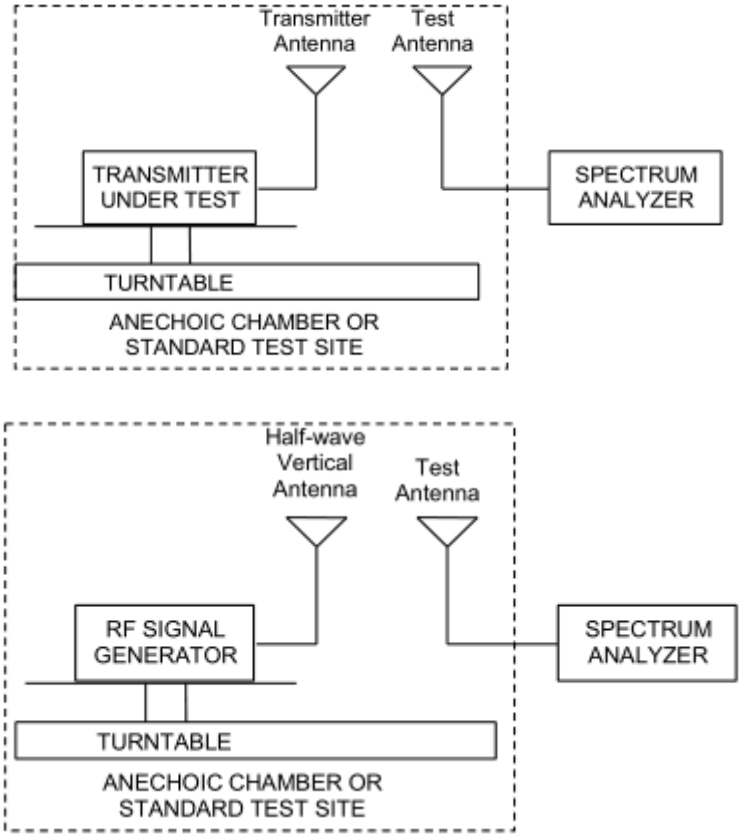
Methods of Measurement

The testing follows FCC KDB 971168 v03r01 Section 5.8 and ANSI C63.26 (2015).

a) Connect the equipment as illustrated. Mount the equipment with the manufacturer specified antenna in a vertical orientation on a manufacturer specified mounting surface located on a non-conducting rotating platform of a RF anechoic chamber (preferred) or a standard radiation site.
b) Key the transmitter, then rotate the EUT 360° azimuthally and record spectrum analyzer power level (LVL) measurements at angular increments that are sufficiently small to permit resolution of all peaks. If a standard radiation test site is used, raise and lower the test antenna to obtain a maximum reading at each angular increment. (Note: several batteries may be needed to offset the effect of battery voltage droop, which should not exceed 5% of the manufactured specified battery voltage during transmission).
c) Replace the transmitter under test with a vertically polarized half-wave dipole (or an antenna whose gain is known relative to an ideal half-wave dipole). The center of the antenna should be at the same location as the center of the antenna under test.
d) Connect the antenna to a signal generator with a known output power and record the path loss (in dB) as LOSS. If a standard radiation test site is used, raise and lower the test antenna to obtain a maximum reading.LOSS = Generator Output Power (dBm) – Analyzer reading (dBm)
e) Determine the effective radiated output power at each angular position from the readings in steps b) and d) using the following equation:ERP (dBm) = LVL (dBm) + LOSS (dB)
f) The maximum ERP is the maximum value determined in the preceding step.
g) When calculating ERP, in addition to knowing the antenna radiation and matching characteristics, it is necessary to know the loss values of all elements (e.g.transmission line attenuation, mismatches, filters, combiners) interposed between the point where transmitter output power is measured, and the point where power is applied to the antenna. ERP can then be calculated as follows:
EIRP (dBm) = Output Power (dBm) - Losses (dB) + Antenna Gain (dBi)
where:dBd refers to gain relative to an ideal dipole.
EIRP (dBm) = ERP (dBm) + 2.15 (dB.)

The RB allocation refers to section 5.1, using the maximum output power configuration.

Test setup



Limits

Rule Part 24.232(c) Mobile and portable stations are limited to 2 watts EIRP.
Rule Part 24.232(e) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

Limit	≤ 2 W (33 dBm)

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 1.19 dB

Test Results:

The measurement is performed for both of horizontal and vertical antenna Polarization, and only the data of worst mode is recorded in this report.

GSM 1900		EIRP(dBm)			Limit (dBm)
		Channel 512	Channel 661	Channel 810	
		1850.2(MHz)	1880(MHz)	1909.8(MHz)	
GSM	Results	31.57	31.65	31.70	33
GPRS/EGPRS (GMSK)	1TXslot	31.57	31.72	31.70	33
	2TXslots	31.51	31.65	31.64	33
	3TXslots	31.36	31.58	32.48	33
	4TXslots	31.21	32.33	31.76	33
EGPRS (8PSK)	1TXslot	27.40	27.52	27.42	33
	2TXslots	27.37	27.44	27.32	33
	3TXslots	27.12	27.22	27.24	33
	4TXslots	27.04	27.42	27.16	33

WCDMA Band II		EIRP(dBm)			Limit (dBm)
		Channel 9262	Channel 9400	Channel 9538	
		1852.4(MHz)	1880(MHz)	1907.6(MHz)	
RMC		25.30	25.31	25.29	33
HSDPA	Sub - Test 1	24.76	24.73	24.73	33
	Sub - Test 2	24.75	24.75	24.70	33
	Sub - Test 3	24.22	24.25	24.22	33
	Sub - Test 4	24.23	24.26	24.20	33
HSUPA	Sub - Test 1	24.72	24.72	24.68	33
	Sub - Test 2	23.71	23.70	23.67	33
	Sub - Test 3	24.18	24.18	24.16	33
	Sub - Test 4	23.64	23.67	23.64	33
	Sub - Test 5	24.65	24.65	24.62	33
DC-HSDPA	Sub - Test 1	24.64	24.67	24.63	33
	Sub - Test 2	24.63	24.66	24.62	33
	Sub - Test 3	24.21	24.15	24.13	33
	Sub - Test 4	24.20	24.14	24.12	33

CDMA BC1		EIRP(dBm)		
		Channel/Frenqucy(MHz)		
		25/1851.25	600/1880	1175/1908.75
RC1	SO55 (Loopback)	26.50	26.65	26.75
RC3	SO55 (Loopback)	26.40	26.68	26.77
	TDSO32 (FCH+SCH)	26.31	26.70	26.74
	TDSO32 (FCH)	25.76	25.94	26.15
1x Advanced	SO75	26.54	26.67	26.88
Rev 0	RTAP	26.51	26.70	26.87
Rev A	RETAP	26.46	26.61	26.79

LTE Band 2				EIRP(dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18607/1850.7	18900/1880	19193/1909.3
1.4MHz	QPSK	1	0	25.33	24.81	24.45
		1	2	24.99	24.80	24.81
		1	5	25.12	24.61	24.59
		3	0	23.63	23.61	23.70
		3	2	23.62	23.56	23.62
		3	3	23.70	23.54	23.46
		6	0	23.64	23.65	23.60
	16QAM	1	0	23.66	24.28	23.90
		1	2	23.61	24.32	24.00
		1	5	22.96	24.12	23.99
		3	0	22.55	22.57	22.50
		3	2	22.54	22.58	22.51
		3	3	22.51	22.67	22.46
		6	0	22.66	22.67	22.63
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18615/1851.5	18900/1880	19185/1908.5
3MHz	QPSK	1	0	25.35	24.85	24.48
		1	7	25.02	24.85	24.85
		1	14	25.15	24.66	24.63
		8	0	23.71	23.71	23.81
		8	4	23.72	23.64	23.72
		8	7	23.78	23.63	23.54
		15	0	23.67	23.69	23.63
	16QAM	1	0	23.69	24.30	23.93

		1	7	23.64	24.37	24.04
		1	14	22.98	24.16	24.02
		8	0	22.64	22.68	22.60
		8	4	22.63	22.69	22.61
		8	7	22.59	22.77	22.57
		15	0	22.69	22.71	22.66
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18625/1852.5	18900/1880	19175/1907.5
5MHz	QPSK	1	0	25.32	24.83	24.44
		1	13	25.00	24.81	24.82
		1	24	25.12	24.61	24.59
		12	0	23.68	23.66	23.77
		12	6	23.70	23.60	23.67
		12	13	23.76	23.61	23.50
		25	0	23.65	23.68	23.61
	16QAM	1	0	23.66	24.26	23.90
		1	13	23.61	24.35	24.01
		1	24	22.95	24.14	23.98
		12	0	22.62	22.64	22.57
		12	6	22.60	22.64	22.57
		12	13	22.56	22.72	22.53
		25	0	22.67	22.67	22.61
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18650/1855	18900/1880	19150/1905
10MHz	QPSK	1	0	25.34	24.84	24.47
		1	25	25.03	24.86	24.86
		1	49	25.14	24.65	24.62
		25	0	23.71	23.71	23.81
		25	13	23.73	23.65	23.71
		25	25	23.78	23.65	23.55
		50	0	23.73	23.70	23.65
	16QAM	1	0	23.68	24.29	23.92
		1	25	23.64	24.39	24.04
		1	49	22.98	24.16	24.01
		25	0	22.65	22.69	22.61
		25	13	22.62	22.68	22.60
		25	25	22.59	22.77	22.57
		50	0	22.70	22.72	22.65
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18675/1857.5	18900/1880	19125/1902.5

15MHz	QPSK	1	0	25.33	24.80	24.45
		1	38	25.01	24.85	24.83
		1	74	25.11	24.60	24.58
		36	0	23.69	23.67	23.78
		36	18	23.70	23.60	23.67
		36	39	23.75	23.62	23.51
		75	0	23.71	23.66	23.60
	16QAM	1	0	23.63	24.27	23.90
		1	38	23.62	24.36	24.02
		1	74	22.95	24.12	23.98
		36	0	22.62	22.67	22.58
		36	18	22.59	22.63	22.56
		36	39	22.57	22.73	22.54
		75	0	22.67	22.67	22.61
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				18700/1860	18900/1880	19100/1900
20MHz	QPSK	1	0	25.30	24.76	24.42
		1	50	25.00	24.81	24.81
		1	99	25.09	24.59	24.55
		50	0	23.66	23.62	23.74
		50	25	23.68	23.56	23.64
		50	50	23.72	23.57	23.47
		100	0	23.68	23.61	23.56
	16QAM	1	0	23.61	24.23	23.85
		1	50	23.58	24.34	23.98
		1	99	22.93	24.09	23.96
		50	0	22.59	22.63	22.55
		50	25	22.56	22.61	22.53
		50	50	22.54	22.68	22.50
		100	0	22.65	22.63	22.58

LTE Band 25				**EIRP(dBm)**		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26047/1850.7	26365/1882.5	26683/1914.3
1.4MHz	QPSK	1	0	24.61	24.69	24.58
		1	2	24.83	24.68	24.59
		1	5	24.58	24.21	24.07
		3	0	23.60	23.50	23.37

		3	2	23.52	23.47	23.36
		3	3	23.59	23.27	23.35
		6	0	23.60	23.45	23.42
	16QAM	1	0	23.50	24.37	24.00
		1	2	23.55	24.66	24.16
		1	5	23.06	24.19	23.68
		3	0	22.59	22.56	22.40
		3	2	22.66	22.53	22.39
		3	3	22.59	22.40	22.40
		6	0	22.76	22.54	22.52
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26055/1851.5	26365/1882.5	26675/1913.5
3MHz	QPSK	1	0	24.63	24.73	24.61
		1	7	24.86	24.73	24.63
		1	14	24.61	24.26	24.11
		8	0	23.68	23.60	23.48
		8	4	23.62	23.55	23.46
		8	7	23.67	23.36	23.43
		15	0	23.63	23.49	23.45
	16QAM	1	0	23.53	24.39	24.03
		1	7	23.58	24.71	24.20
		1	14	23.08	24.23	23.71
		8	0	22.68	22.67	22.50
		8	4	22.75	22.64	22.49
		8	7	22.67	22.50	22.51
		15	0	22.79	22.58	22.55
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26065/1852.5	26365/1882.5	26665/1912.5
5MHz	QPSK	1	0	24.60	24.71	24.57
		1	13	24.84	24.69	24.60
		1	24	24.58	24.21	24.07
		12	0	23.65	23.55	23.44
		12	6	23.60	23.51	23.41
		12	13	23.65	23.34	23.39
		25	0	23.61	23.48	23.43
	16QAM	1	0	23.50	24.35	24.00
		1	13	23.55	24.69	24.17
		1	24	23.05	24.21	23.67
		12	0	22.66	22.63	22.47
		12	6	22.72	22.59	22.45

		12	13	22.64	22.45	22.47
		25	0	22.77	22.54	22.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26090/1855	26365/1882.5	26640/1910
10MHz	QPSK	1	0	24.62	24.72	24.60
		1	25	24.87	24.74	24.64
		1	49	24.60	24.25	24.10
		25	0	23.68	23.60	23.48
		25	13	23.63	23.56	23.45
		25	25	23.67	23.38	23.44
		50	0	23.69	23.50	23.47
	16QAM	1	0	23.52	24.38	24.02
		1	25	23.58	24.73	24.20
		1	49	23.08	24.23	23.70
		25	0	22.69	22.68	22.51
		25	13	22.74	22.63	22.48
		25	25	22.67	22.50	22.51
		50	0	22.80	22.59	22.54
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26115/1857.5	26365/1882.5	26615/1907.5
15MHz	QPSK	1	0	24.61	24.68	24.58
		1	25	24.85	24.73	24.61
		1	49	24.57	24.20	24.06
		25	0	23.66	23.56	23.45
		25	13	23.60	23.51	23.41
		25	25	23.64	23.35	23.40
		50	0	23.67	23.46	23.42
	16QAM	1	0	23.47	24.36	24.00
		1	25	23.56	24.70	24.18
		1	49	23.05	24.19	23.67
		25	0	22.66	22.66	22.48
		25	13	22.71	22.58	22.44
		25	25	22.65	22.46	22.48
		50	0	22.77	22.54	22.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				26140/1860	26365/1882.5	26590/1905
20MHz	QPSK	1	0	24.58	24.64	24.55
		1	50	24.84	24.69	24.59
		1	99	24.55	24.19	24.03
		50	0	23.63	23.51	23.41

		50	25	23.58	23.47	23.38
		50	50	23.61	23.30	23.36
		100	0	23.64	23.41	23.38
	16QAM	1	0	23.45	24.32	23.95
		1	50	23.52	24.68	24.14
		1	99	23.03	24.16	23.65
		50	0	22.63	22.62	22.45
		50	25	22.68	22.56	22.41
		50	50	22.62	22.41	22.44
		100	0	22.75	22.50	22.47

5.3. Occupied Bandwidth

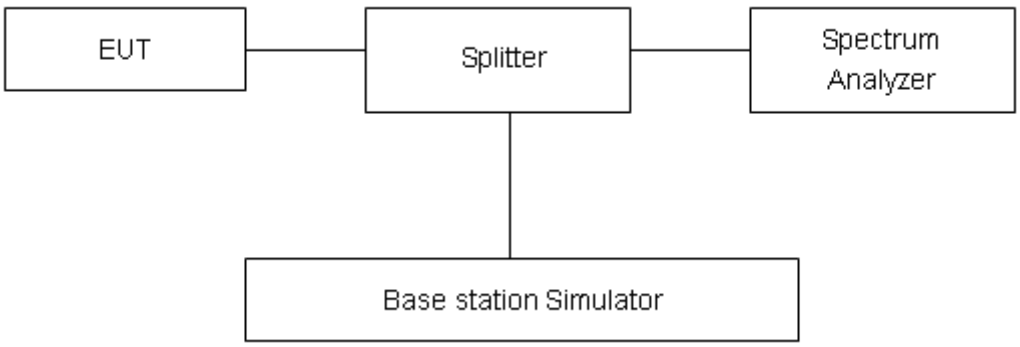
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The occupied bandwidth is measured using spectrum analyzer.
RBW is set to 3kHz, VBW is set to 10kHz for GSM 1900,
RBW is set to 51kHz, VBW is set to 160kHz for WCDMA Band II,
RBW is set to 51kHz, VBW is set to 160kHz for CDMA BC0,
RBW is set to 51kHz, VBW is set to 160kHz for LTE Band 2/25(1.4MHz),
RBW is set to 100kHz,VBW is set to 300kHz for LTE Band 2/25 (3MHz/5MHz),
RBW is set to 300kHz,VBW is set to 1MHz for LTE Band 2/25(10MHz/15MHz/20MHz).
99% power and -26dBc occupied bandwidths are recorded. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

No specific occupied bandwidth requirements in part 2.1049.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 624Hz.

Test Result

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
GSM 1900 (GSM)	512	1850.2	0.24216	0.3091
	661	1880.0	0.24695	0.3054
	810	1909.8	0.25094	0.3111
GPRS 1900 (GMSK)	512	1850.2	0.24430	0.3121
	661	1880.0	0.24563	0.3077
	810	1909.8	0.24648	0.3115
EGPRS 1900 (8-PSK)	512	1850.2	0.24656	0.3113
	661	1880.0	0.24676	0.3108
	810	1909.8	0.24759	0.3111
WCDMA Band II (RMC)	9262	1852.4	4.1289	4.701
	9400	1880	4.1228	4.676
	9538	1907.6	4.1297	4.676
CDMA BC1	1851.25	245	1.2736	1.434
	1880	600	1.2679	1.421
	1908.75	1175	1.2749	1.418

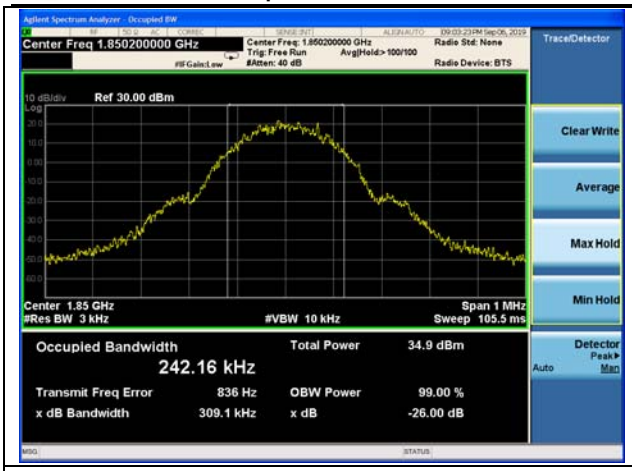
LTE Band 2					
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
QPSK	1.4	18607	1850.7	1.1248	1.343
		18900	1880.0	1.1243	1.366
		19193	1909.3	1.1367	1.332
	3	18615	1851.5	2.7413	3.062
		18900	1880	2.7520	3.048
		19185	1908.5	2.7464	3.046
	5	18625	1852.5	4.5290	5.033
		18900	1880	4.5120	5.010
		19175	1907.5	4.5089	5.007
	10	18650	1855	9.0324	10.150

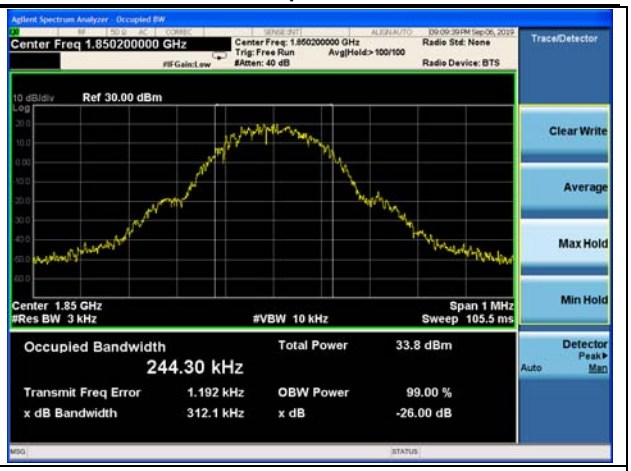
		18900	1880	9.0237	10.130
		19150	1905	9.0344	10.080
	15	18675	1857.5	13.3940	14.600
		18900	1880	13.4230	14.660
		19125	1902.5	13.4230	14.580
	20	18700	1860	17.8610	19.200
		18900	1880	17.8780	19.210
		19100	1900	17.8010	19.200
16QAM	1.4	18607	1850.7	1.1229	1.348
		18900	1880.0	1.1292	1.334
		19193	1909.3	1.1233	1.328
	3	18615	1851.5	2.7385	3.055
		18900	1880	2.7328	3.036
		19185	1908.5	2.7393	3.067
	5	18625	1852.5	4.5025	4.990
		18900	1880	4.5373	5.025
		19175	1907.5	4.5232	5.042
	10	18650	1855	9.0188	9.950
		18900	1880	9.0166	9.999
		19150	1905	9.0128	10.010
	15	18675	1857.5	13.4220	14.690
		18900	1880	13.4620	14.780
		19125	1902.5	13.4190	14.510
	20	18700	1860	17.8100	19.090
		18900	1880	17.8790	19.260
		19100	1900	17.8180	19.020

LTE Band 25					
Modulation	**Bandwidth (MHz)**	**Channel**	**Frequency (MHz)**	**99% Power Bandwidth(MHz)**	**-26dBc Bandwidth(MHz)**
QPSK	1.4	26047	1850.7	1.1292	1.362
		26365	1882.5	1.1241	1.318
		26683	1914.3	1.1153	1.370

	3	26055	1851.5	2.7432	3.072
		26365	1882.5	2.7549	3.053
		26675	1913.5	2.7378	3.062
	5	26065	1852.5	4.5224	5.019
		26365	1882.5	4.5142	5.002
		26665	1912.5	4.5098	4.957
	10	26090	1855	9.0007	10.060
		26365	1882.5	8.9893	10.030
		26640	1910	9.0440	9.996
	15	26115	1857.5	13.4480	14.770
		26365	1882.5	13.4110	14.650
		26615	1907.5	13.4400	14.570
	20	26140	1860	17.8410	19.250
		26365	1882.5	17.8890	19.190
		26590	1905	17.7960	19.210
16QAM	1.4	26047	1850.7	1.1084	1.333
		26365	1882.5	1.1188	1.334
		26683	1914.3	1.1195	1.332
	3	26055	1851.5	2.7350	3.055
		26365	1882.5	2.7404	3.067
		26675	1913.5	2.7332	3.058
	5	26065	1852.5	4.5145	5.037
		26365	1882.5	4.5131	5.003
		26665	1912.5	4.5195	5.049
	10	26090	1855	9.0212	10.000
		26365	1882.5	9.0051	9.963
		26640	1910	9.0114	10.000
	15	26115	1857.5	13.4080	14.680
		26365	1882.5	13.4620	14.660
		26615	1907.5	13.4610	14.620
	20	26140	1860	17.8760	19.260
		26365	1882.5	17.8860	19.370
		26590	1905	17.8180	19.370

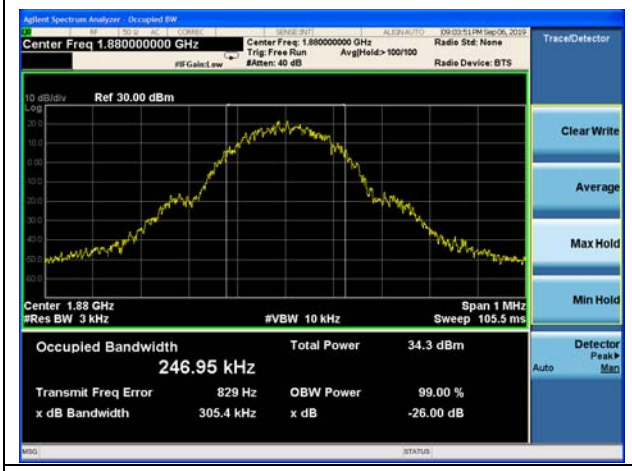
GSM1900 GSM CH-Low	GSM1900 GPRS CH-Low





GSM 1900 GSM CH-Middle

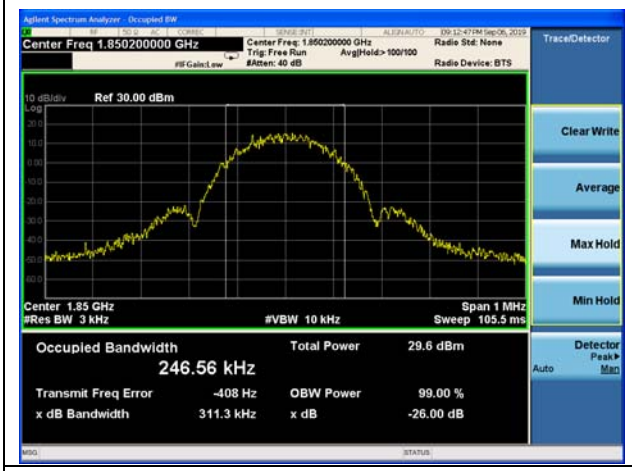
GSM 1900 GPRS CH-Middle



GSM 1900 GSM CH-High

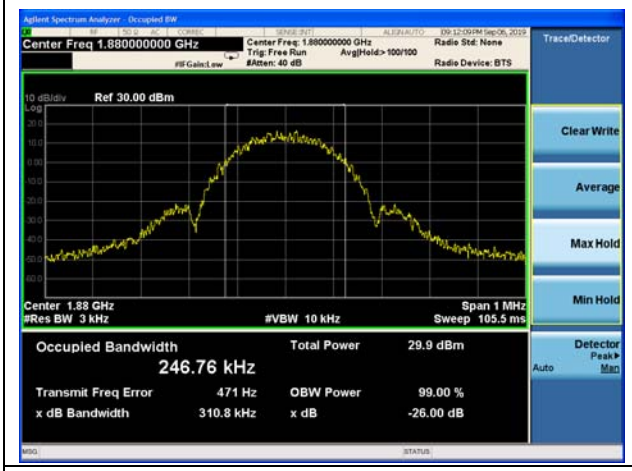
GSM 1900 GPRS CH-High

GSM1900 EGPRS CH-Low



WCDMA Band II RMC CH-LOW

GSM 1900 EGPRS CH-Middle

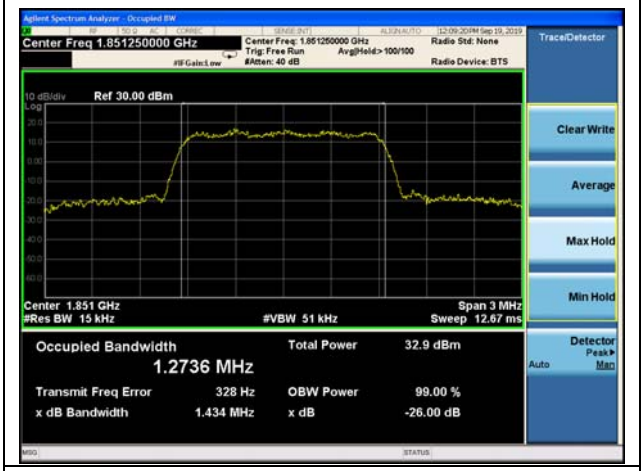


WCDMA Band II RMC CH-Middle

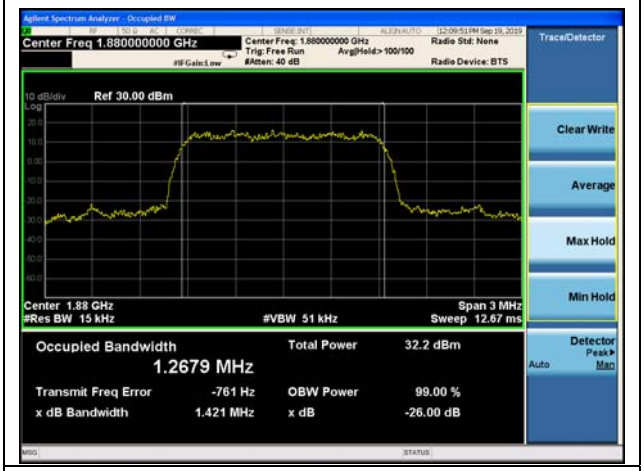
GSM 1900 EGPRS CH-High

WCDMA Band II RMC CH-High

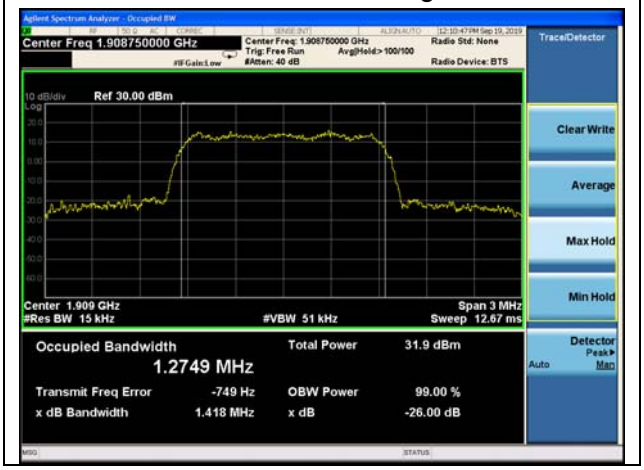
CDMA BC0 CH-LOW



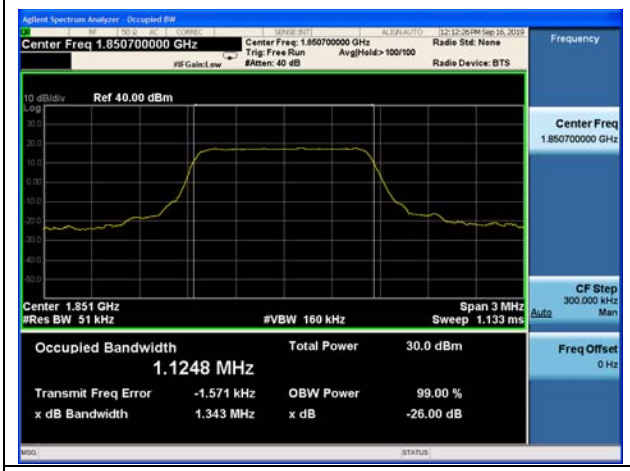
CDMA BC0 CH-Middle



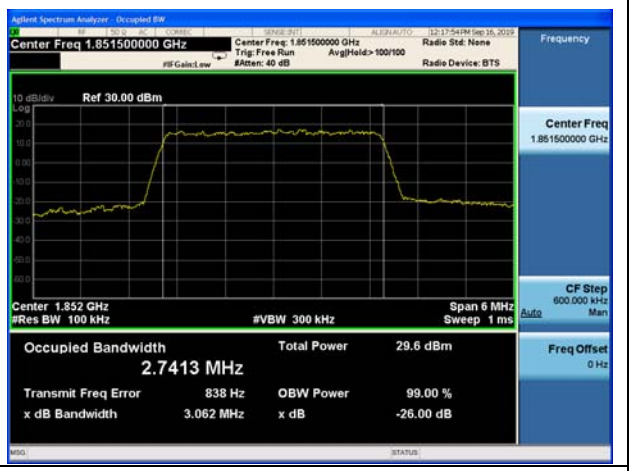
CDMA BC0 CH-High



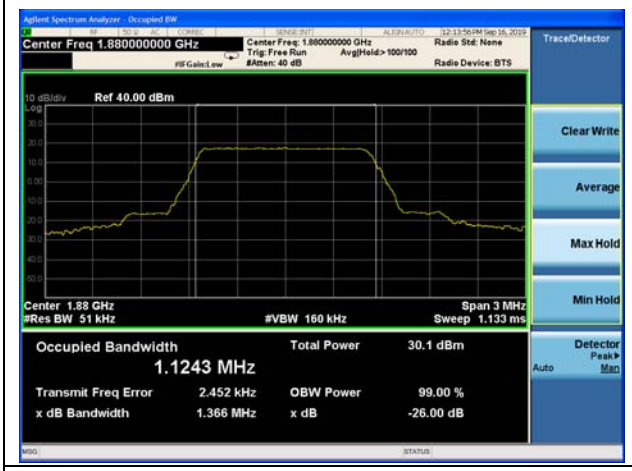
LTE Band 2 1.4MHz QPSK CH-Low



LTE Band 2 3MHz QPSK CH-Low

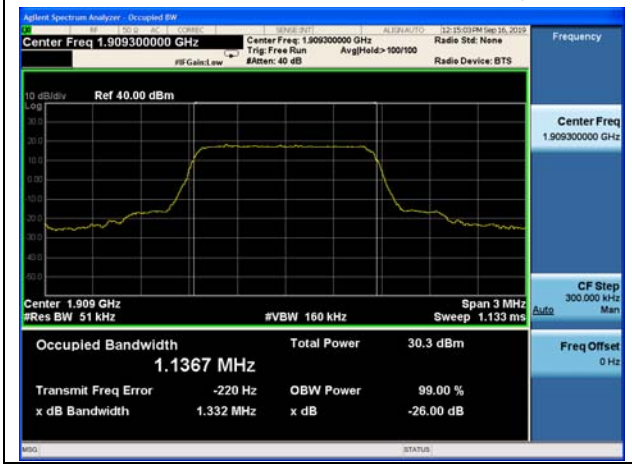


LTE Band 2 1.4MHz QPSK CH-Middle

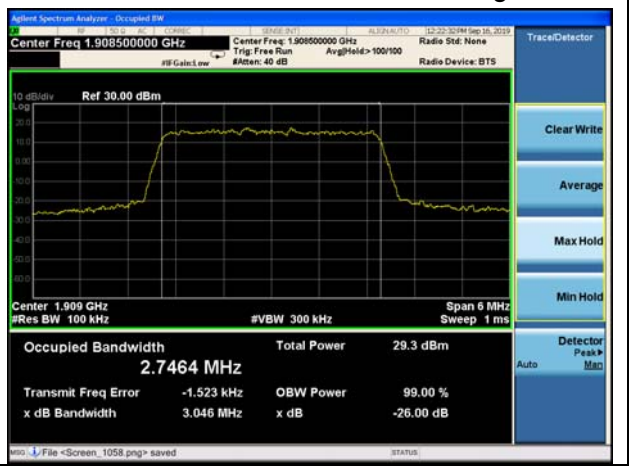


LTE Band 2 3MHz QPSK CH-Middle

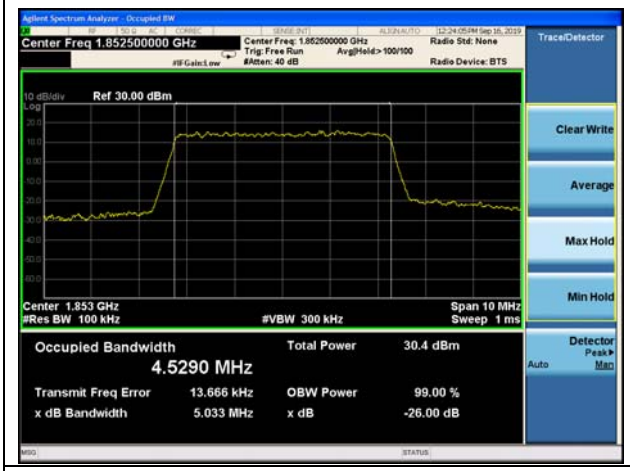
LTE Band 2 1.4MHz QPSK CH-High



LTE Band 2 3MHz QPSK CH-High

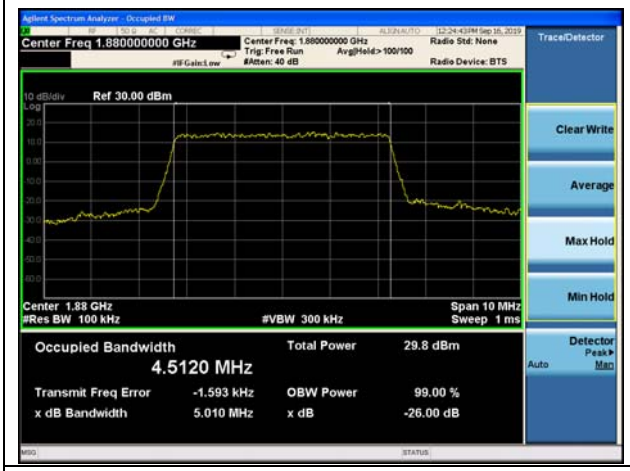


LTE Band 2 5MHz QPSK CH-Low



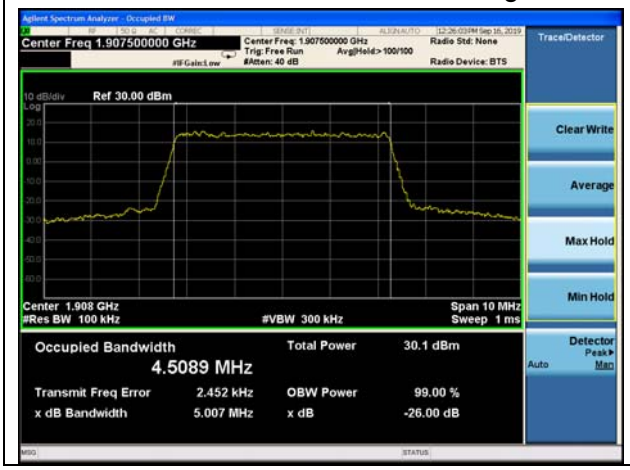
LTE Band 2 10MHz QPSK CH-Low

LTE Band 2 5MHz QPSK CH-Middle



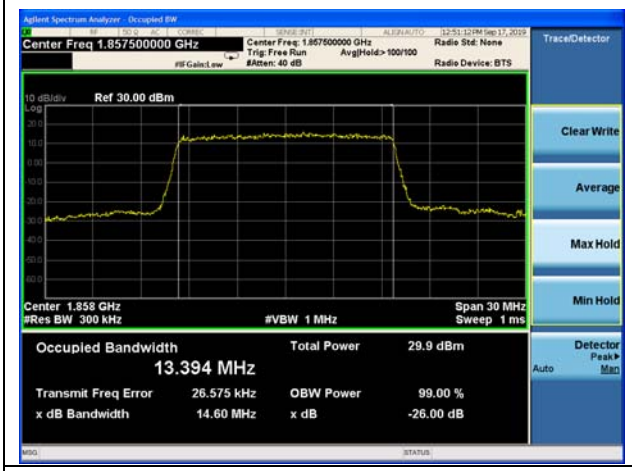
LTE Band 2 10MHz QPSK CH-Middle

LTE Band 2 5MHz QPSK CH-High



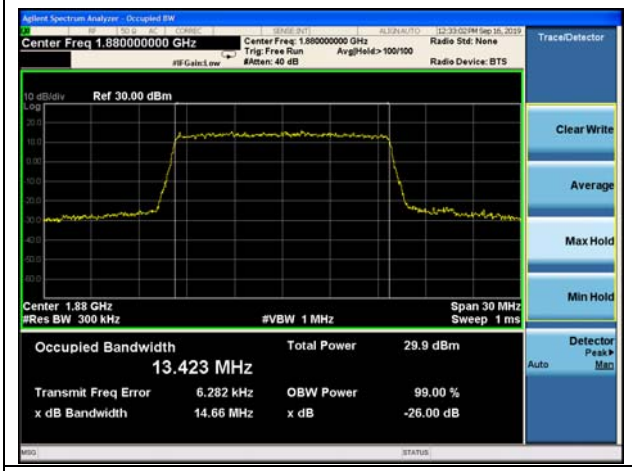
LTE Band 2 10MHz QPSK CH-High

LTE Band 2 15MHz QPSK CH-Low



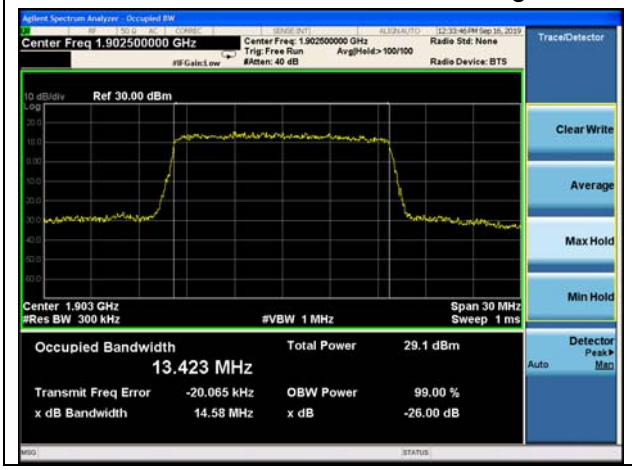
LTE Band 2 20MHz QPSK CH-Low

LTE Band 2 15MHz QPSK CH-Middle



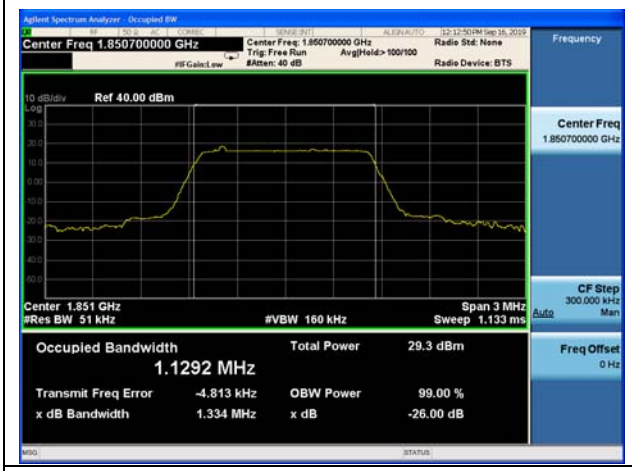
LTE Band 2 20MHz QPSK CH-Middle

LTE Band 2 15MHz QPSK CH-High

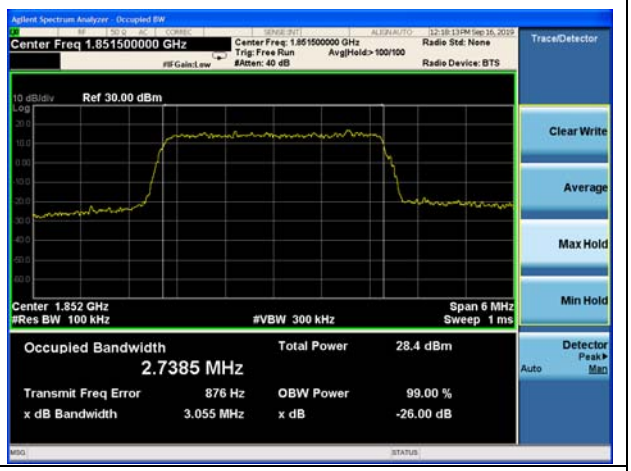


LTE Band 2 20MHz QPSK CH-High

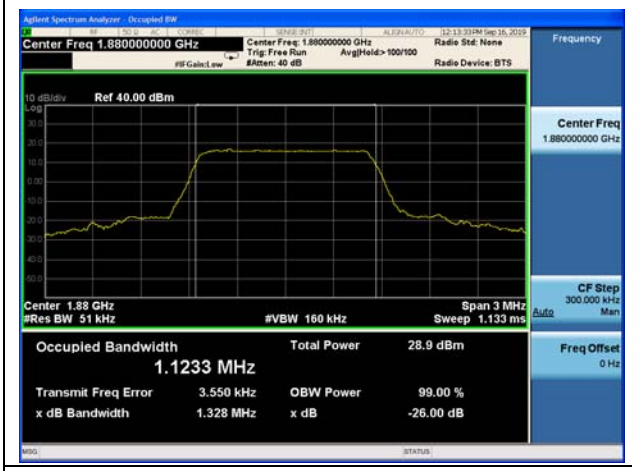
LTE Band 2 1.4MHz 16QAM CH-Low



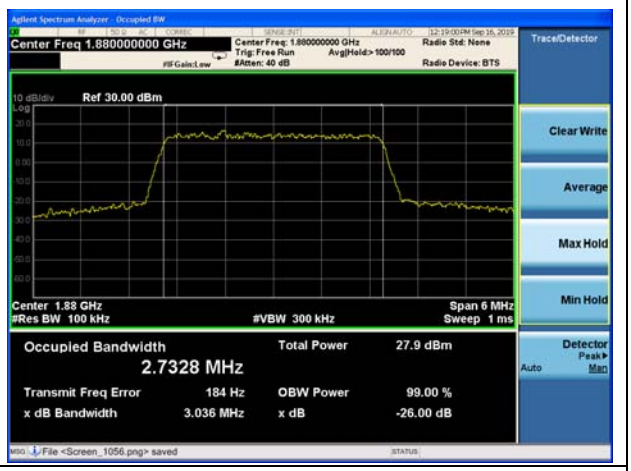
LTE Band 2 3MHz 16QAM CH-Low



LTE Band 2 1.4MHz 16QAM CH-Middle



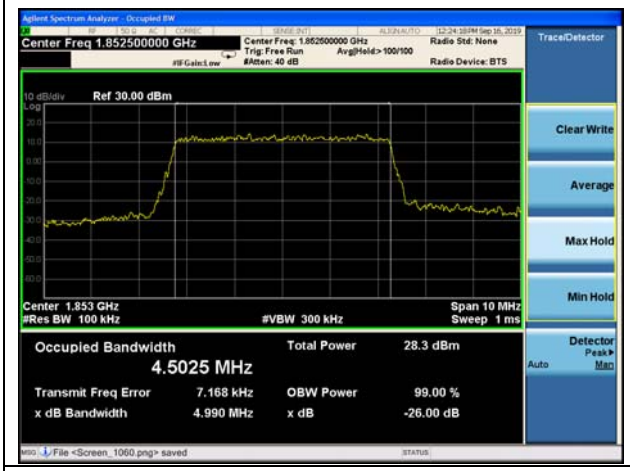
LTE Band 2 3MHz 16QAM CH-Middle



LTE Band 2 1.4MHz 16QAM CH-High

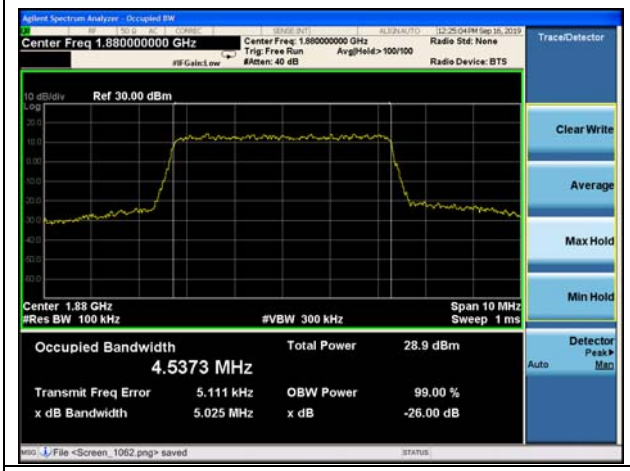
LTE Band 2 3MHz 16QAM CH-High

LTE Band 2 5MHz 16QAM CH-Low



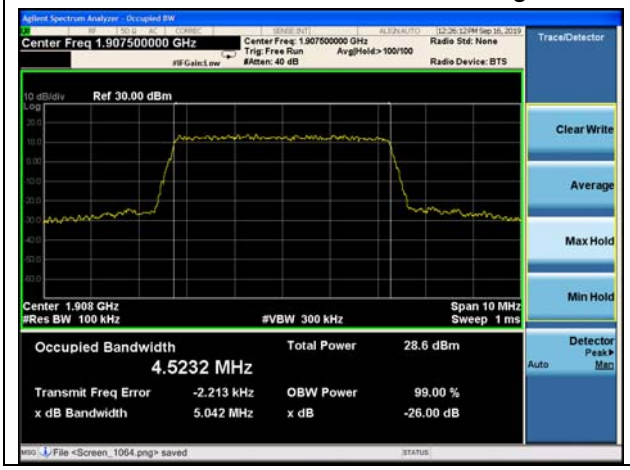
LTE Band 2 10MHz 16QAM CH-Low

LTE Band 2 5MHz 16QAM CH-Middle



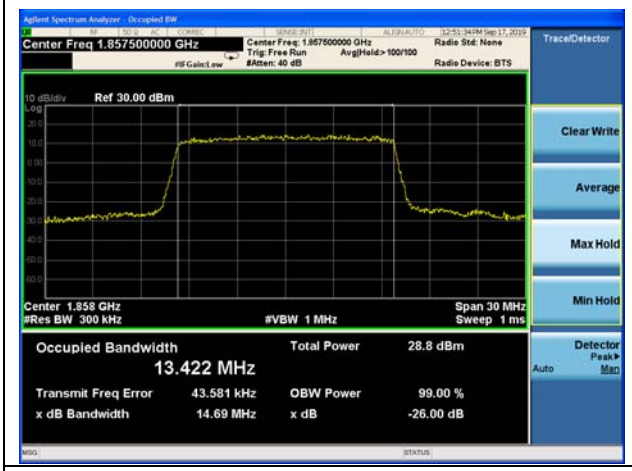
LTE Band 2 10MHz 16QAM CH-Middle

LTE Band 2 5MHz 16QAM CH-High



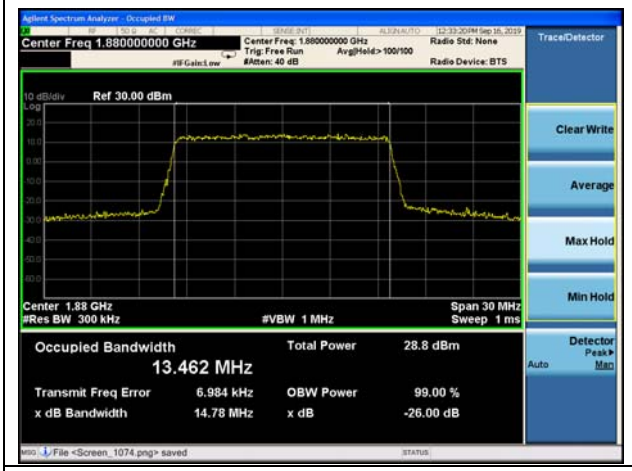
LTE Band 2 10MHz 16QAM CH-High

LTE Band 2 15MHz 16QAM CH-Low

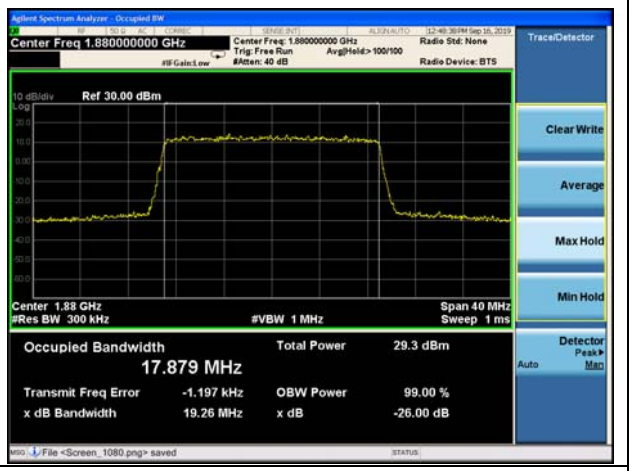


LTE Band 2 20MHz 16QAM CH-Low

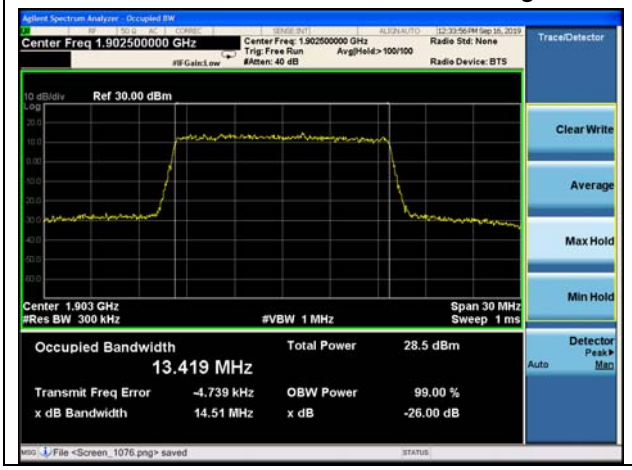
LTE Band 2 15MHz 16QAM CH-Middle



LTE Band 2 20MHz 16QAM CH-Middle

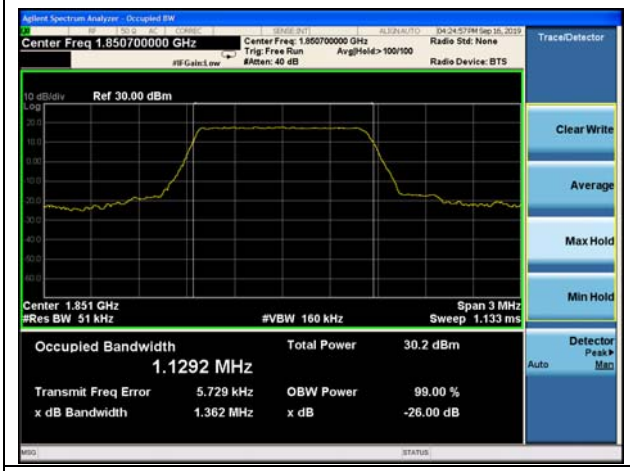


LTE Band 2 15MHz 16QAM CH-High



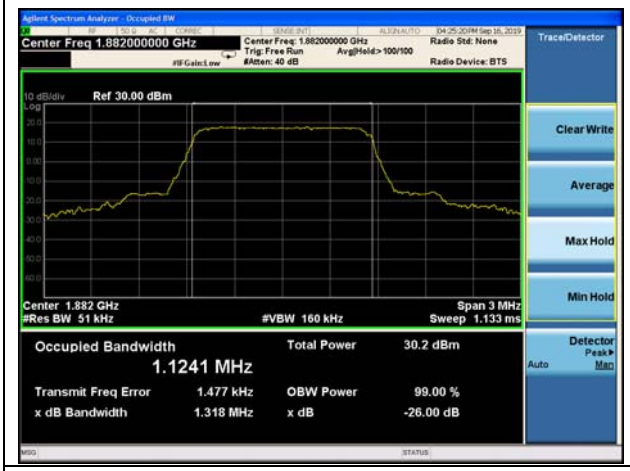
LTE Band 2 20MHz 16QAM CH-High

LTE Band 25 1.4MHz QPSK CH-Low



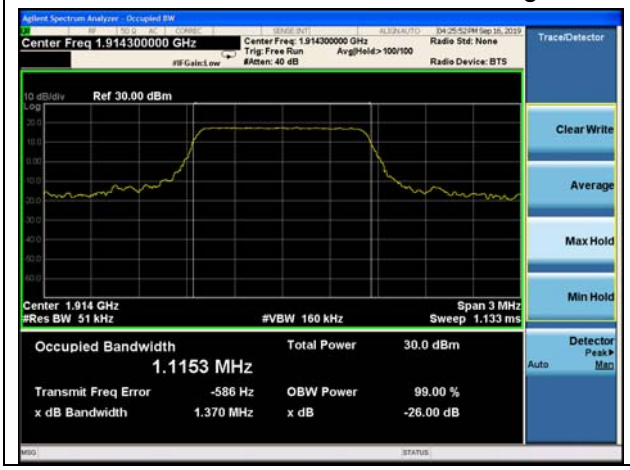
LTE Band 25 3MHz QPSK CH-Low

LTE Band 25 1.4MHz QPSK CH-Middle

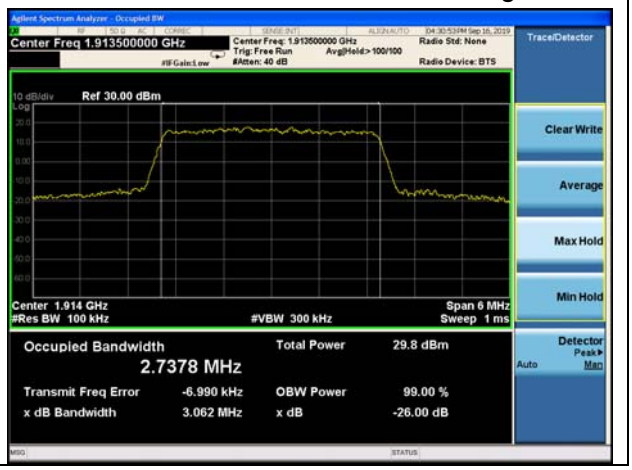


LTE Band 25 3MHz QPSK CH-Middle

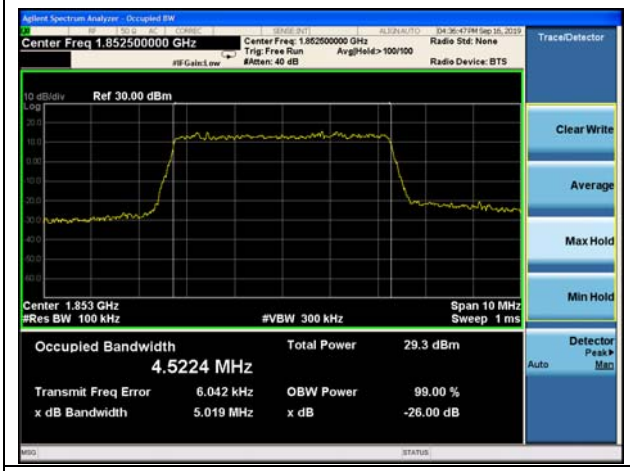
LTE Band 25 1.4MHz QPSK CH-High



LTE Band 25 3MHz QPSK CH-High

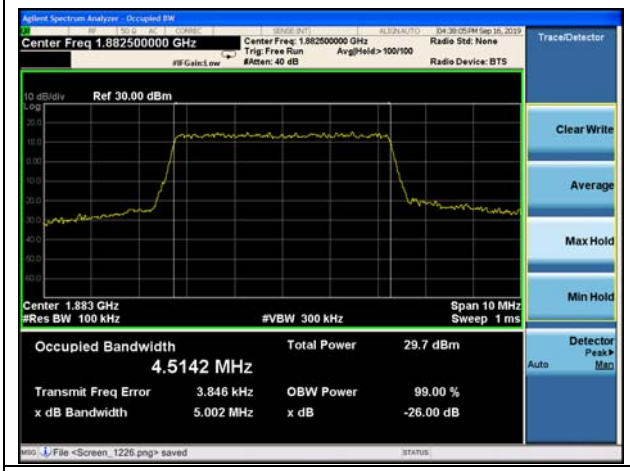


LTE Band 25 5MHz QPSK CH-Low



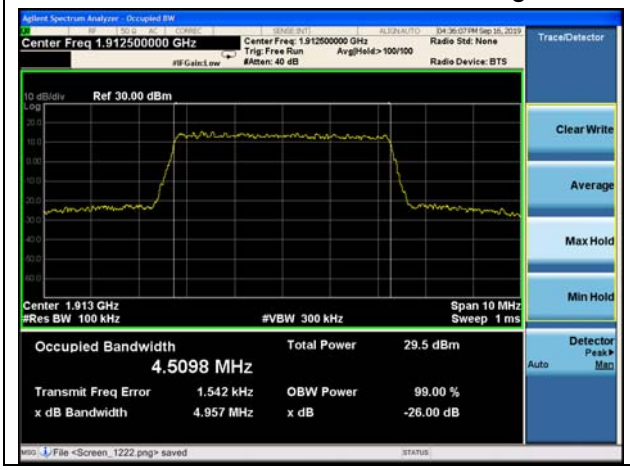
LTE Band 25 10MHz QPSK CH-Low

LTE Band 25 5MHz QPSK CH-Middle



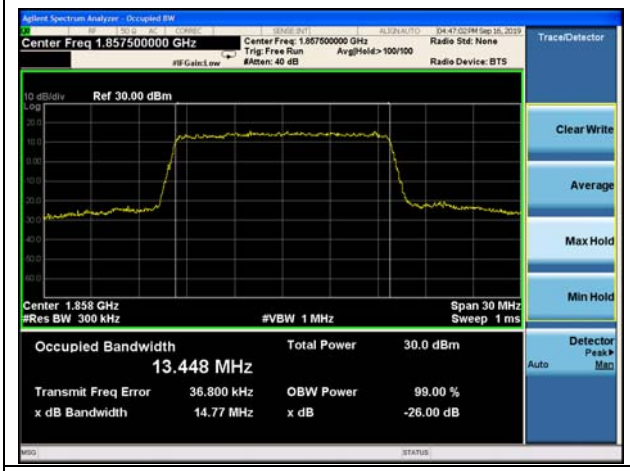
LTE Band 25 10MHz QPSK CH-Middle

LTE Band 25 5MHz QPSK CH-High



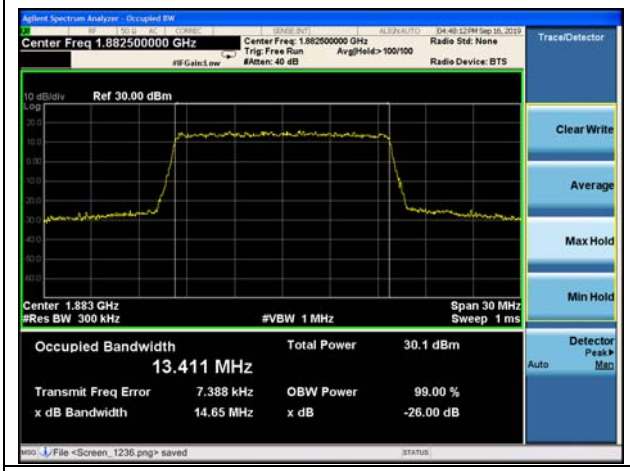
LTE Band 25 10MHz QPSK CH-High

LTE Band 25 15MHz QPSK CH-Low



LTE Band 25 20MHz QPSK CH-Low

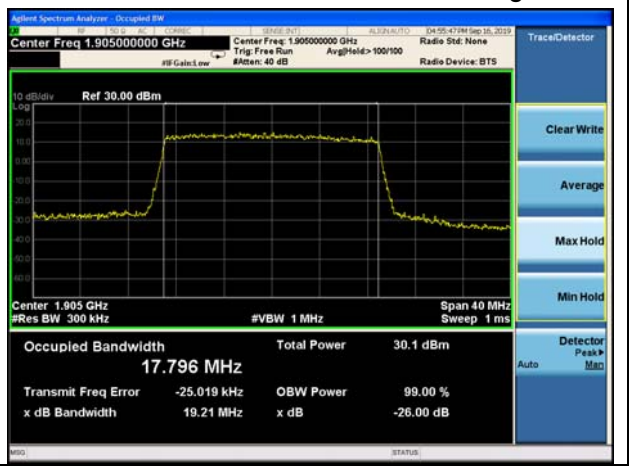
LTE Band 25 15MHz QPSK CH-Middle



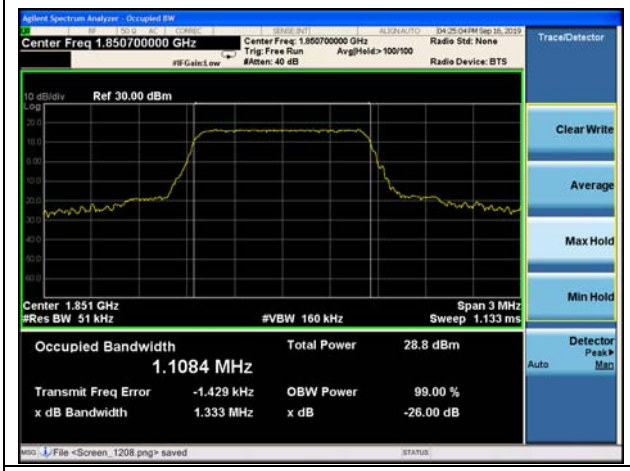
LTE Band 25 20MHz QPSK CH-Middle

LTE Band 25 15MHz QPSK CH-High

LTE Band 25 20MHz QPSK CH-High

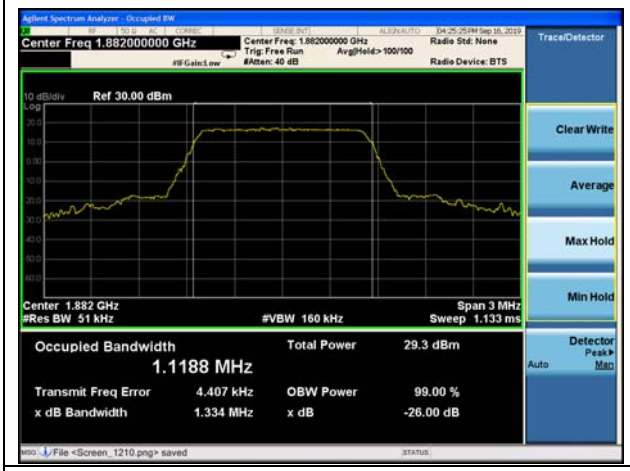


LTE Band 25 1.4MHz 16QAM CH-Low

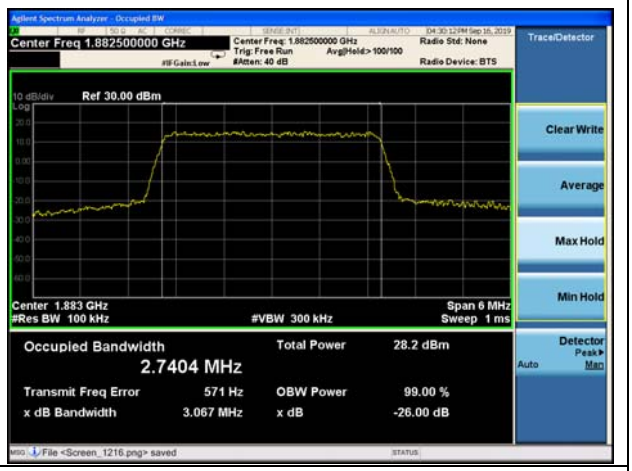


LTE Band 25 3MHz 16QAM CH-Low

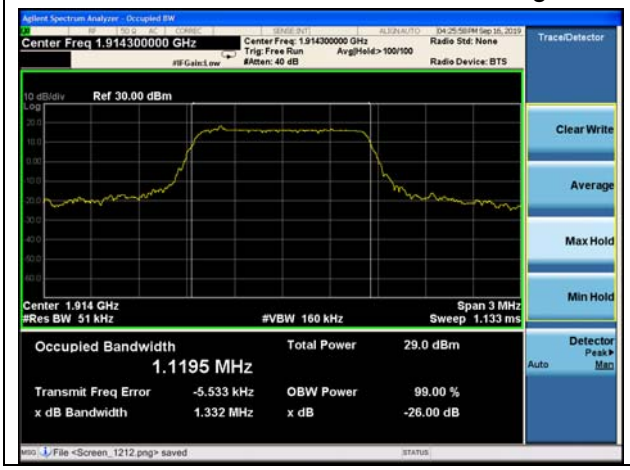
LTE Band 25 1.4MHz 16QAM CH-Middle



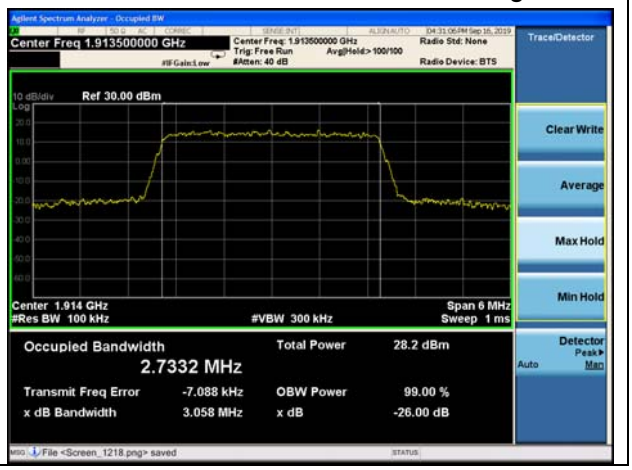
LTE Band 25 3MHz 16QAM CH-Middle



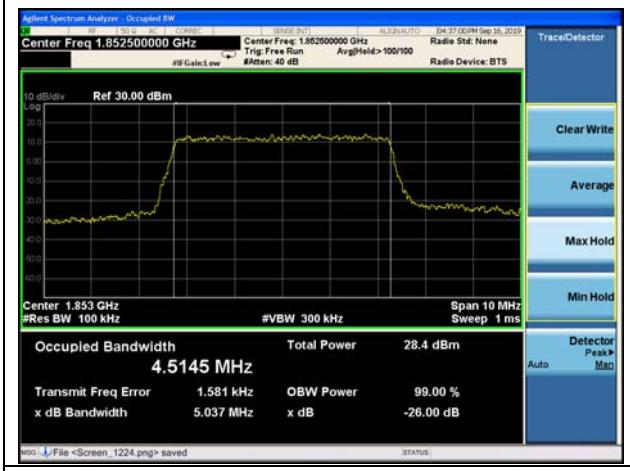
LTE Band 25 1.4MHz 16QAM CH-High



LTE Band 25 3MHz 16QAM CH-High

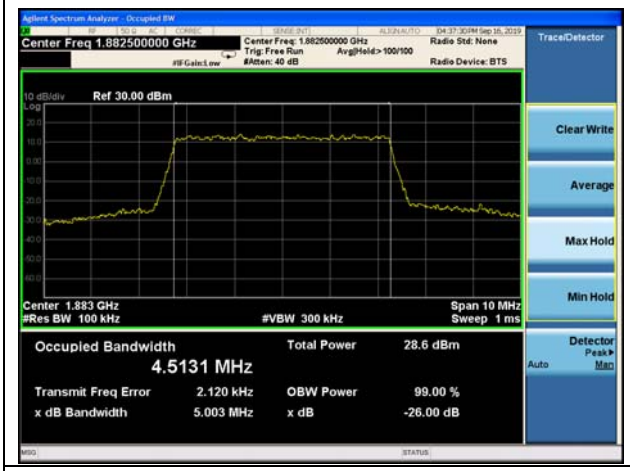


LTE Band 25 5MHz 16QAM CH-Low



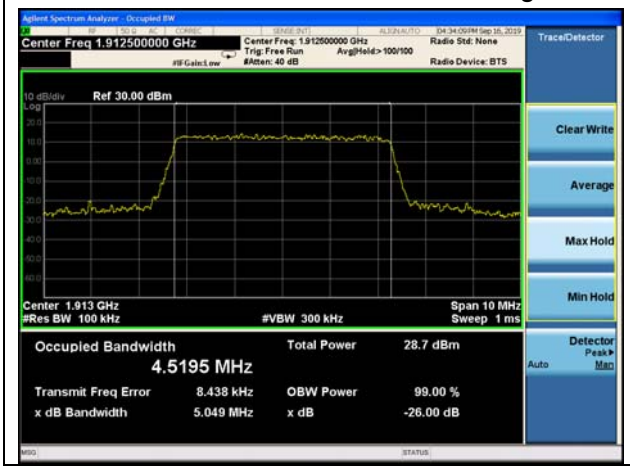
LTE Band 25 10MHz 16QAM CH-Low

LTE Band 25 5MHz 16QAM CH-Middle



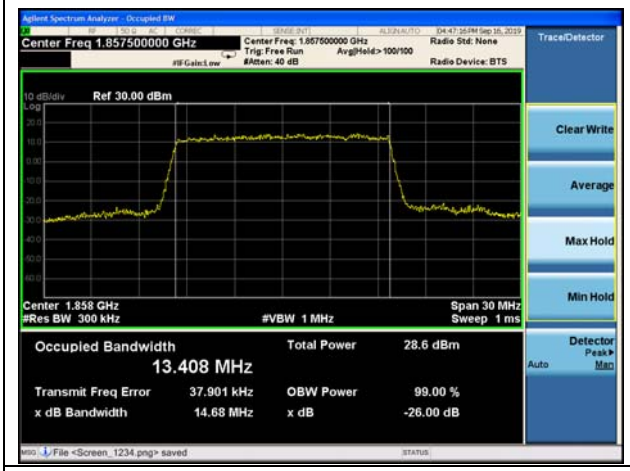
LTE Band 25 10MHz 16QAM CH-Middle

LTE Band 25 5MHz 16QAM CH-High

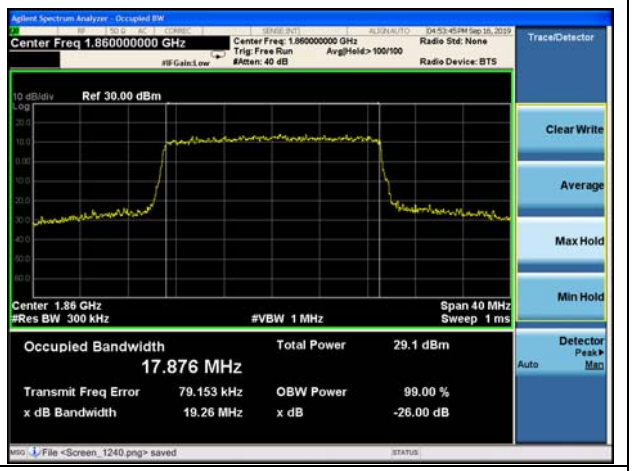


LTE Band 25 10MHz 16QAM CH-High

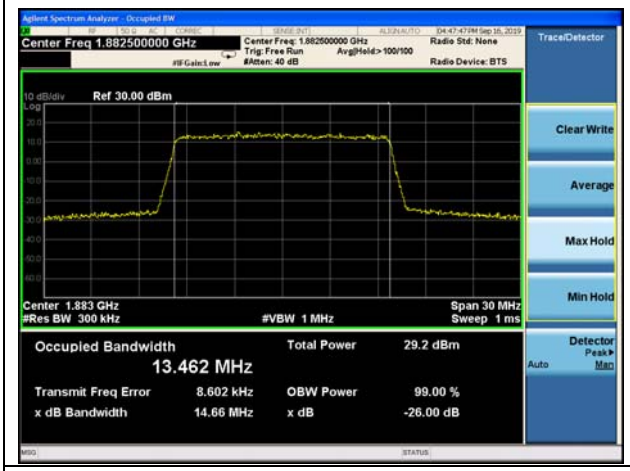
LTE Band 25 15MHz 16QAM CH-Low



LTE Band 25 20MHz 16QAM CH-Low

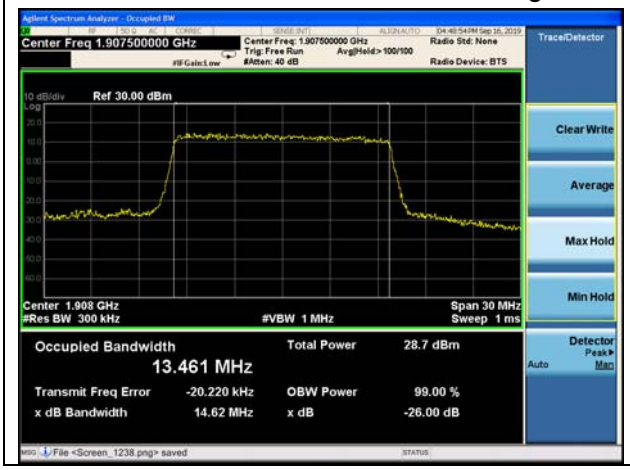


LTE Band 25 15MHz 16QAM CH-Middle



LTE Band 25 20MHz 16QAM CH-Middle

LTE Band 25 15MHz 16QAM CH-High



LTE Band 25 20MHz 16QAM CH-High

5.4. Band Edge Compliance

Ambient condition

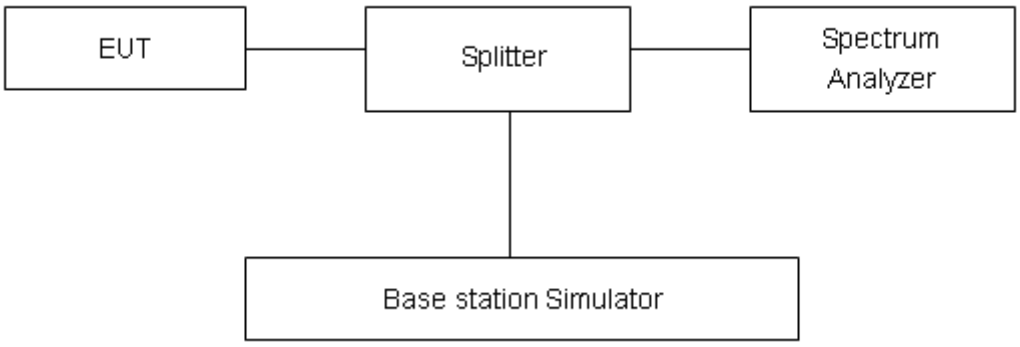
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The band edge of the lowest and highest channels were measured. The Average detector is used and
RBW is set to 3kHz, VBW is set to 10kHz for GSM 1900,
RBW is set to 51kHz, VBW is set to 160kHz for WCDMA Band II,
RBW is set to 51kHz, VBW is set to 160kHz for CDMA BC0,
RBW is set to 15kHz, VBW is set to 51kHz for LTE Band 2/25(1.4MHz),
RBW is set to 30kHz,VBW is set to 100kHz for LTE Band 2/25 (3MHz),
RBW is set to 51kHz,VBW is set to 160kHz for LTE Band 2/25 (5MHz),
RBW is set to 100kHz,VBW is set to 300kHz for LTE Band 2/25(10MHz),
RBW is set to 150kHz,VBW is set to 510kHz for LTE Band 2/25(15MHz),
RBW is set to 200kHz,VBW is set to 620kHz for LTE Band 2/25(20MHz).

Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

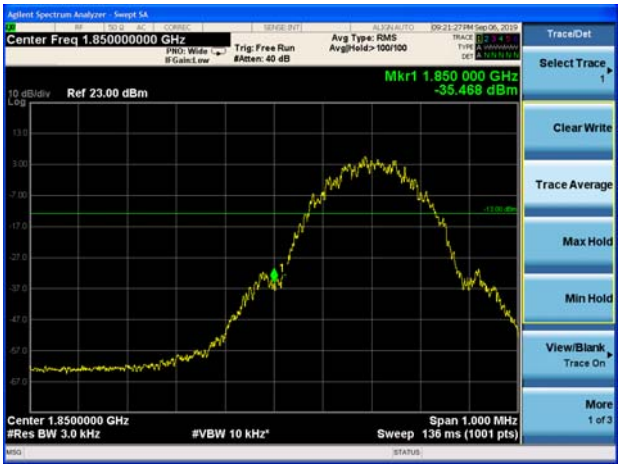
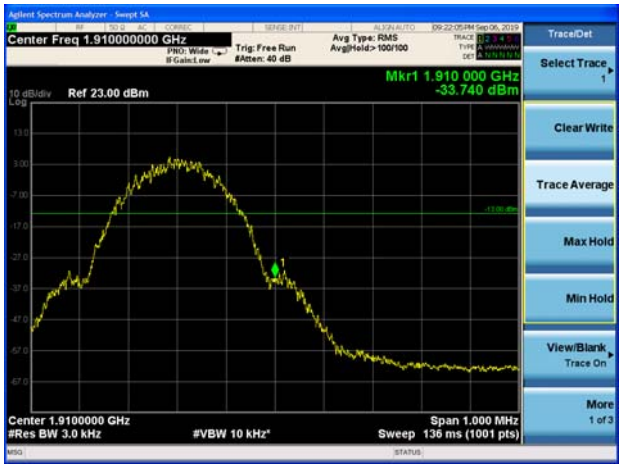
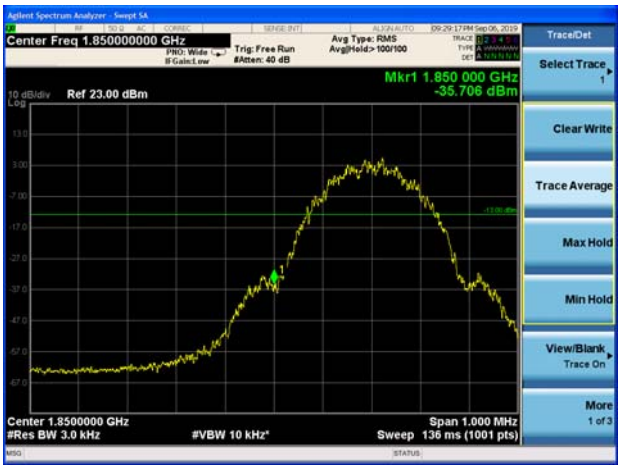
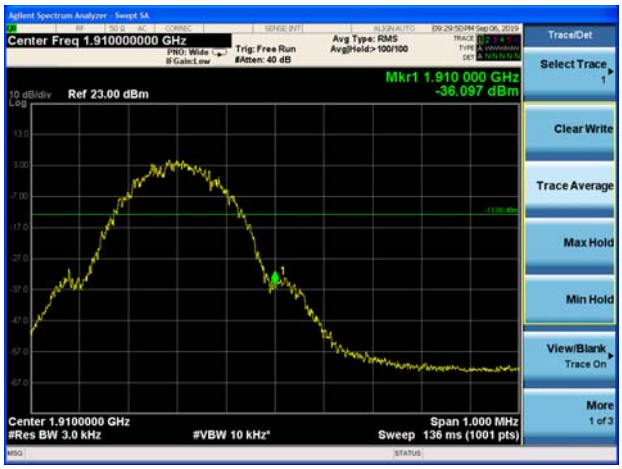
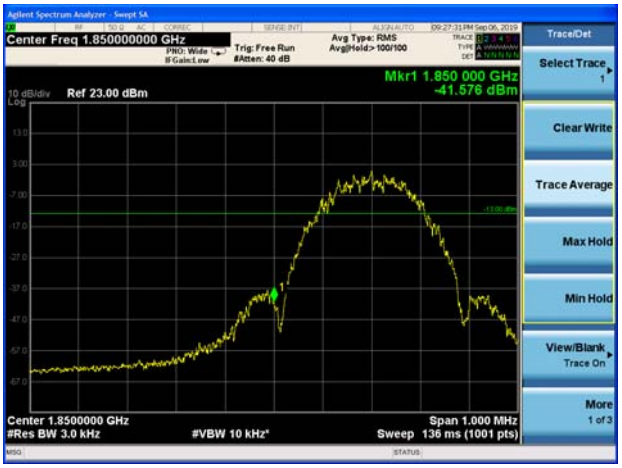
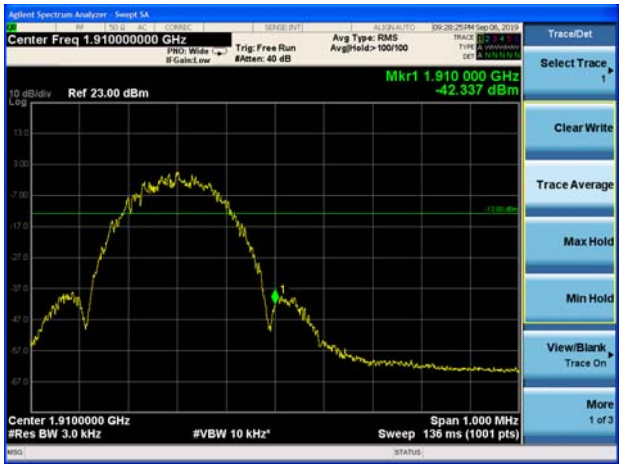
Rule Part 24.238(a) specifies that “on any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10 (P) dB.”

Limit	-13 dBm

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U=0.684dB.

Test Result:

GSM1900 GSM CH-Low	GSM 1900 GSM CH-High
	
GSM1900 GPRS CH-Low	GSM 1900 GPRS CH-High
	
GSM1900 EGPRS CH-Low	GSM 1900 EGPRS CH-High
	

WCDMA Band II RMC CH-Low

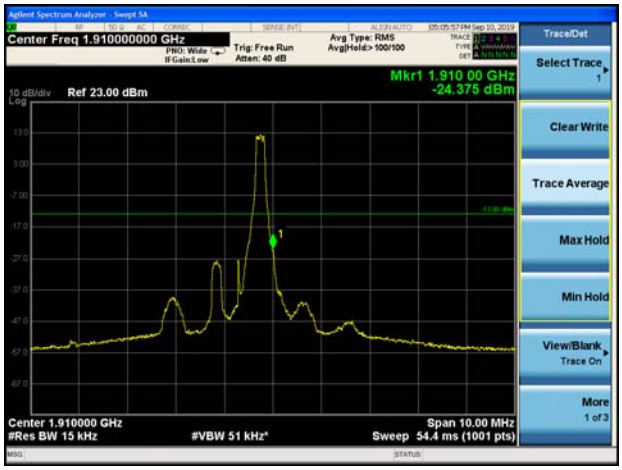
WCDMA Band II RMC CH-High

CDMA BC1 CH-Low

CDMA BC1 CH-High

LTE Band 2 1.4MHz QPSK 1RB CH-Low

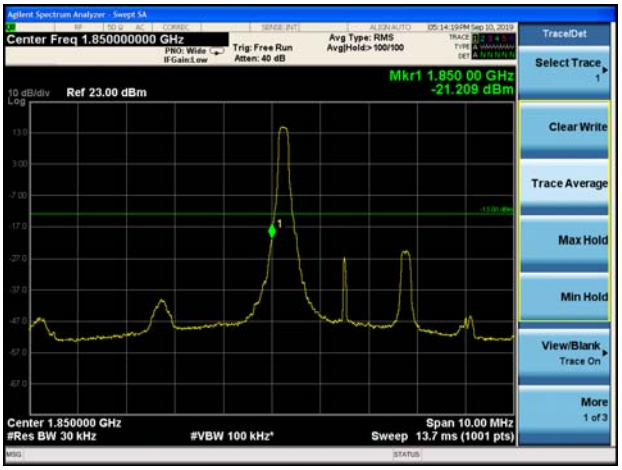
LTE Band 2 1.4MHz QPSK 1RB CH-High



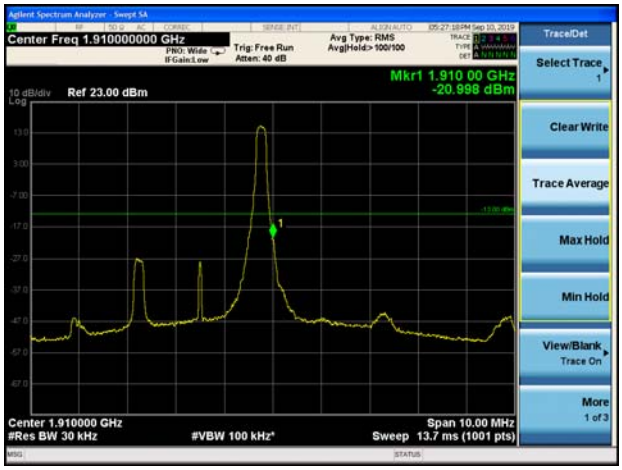
LTE Band 2 1.4MHz QPSK 100%RB CH-Low

LTE Band 2 1.4MHz QPSK 100%RB CH-High

LTE Band 2 3MHz QPSK 1RB CH-Low



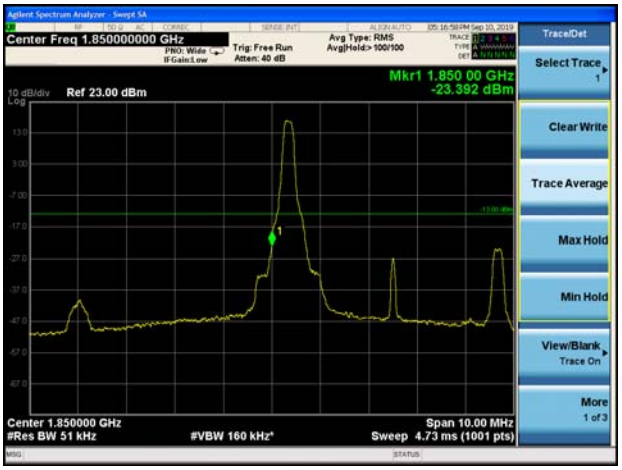
LTE Band 2 3MHz QPSK 1RB CH-High



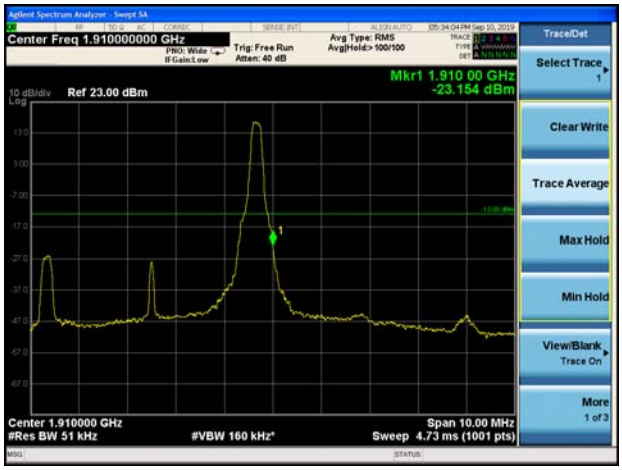
LTE Band 2 3MHz QPSK 100%RB CH-Low

LTE Band 2 3MHz QPSK 100%RB CH-High

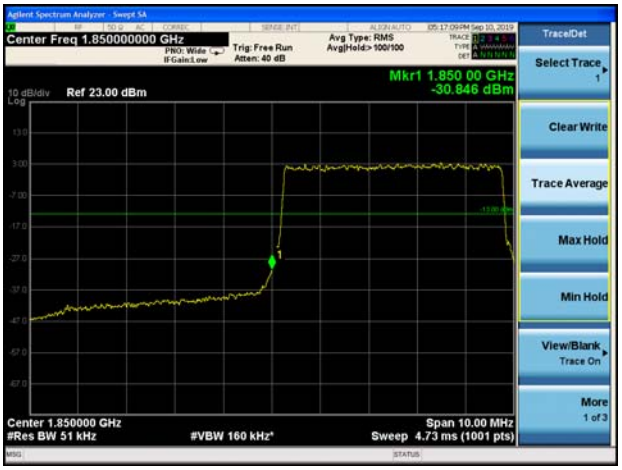
LTE Band 2 5MHz QPSK 1RB CH-Low



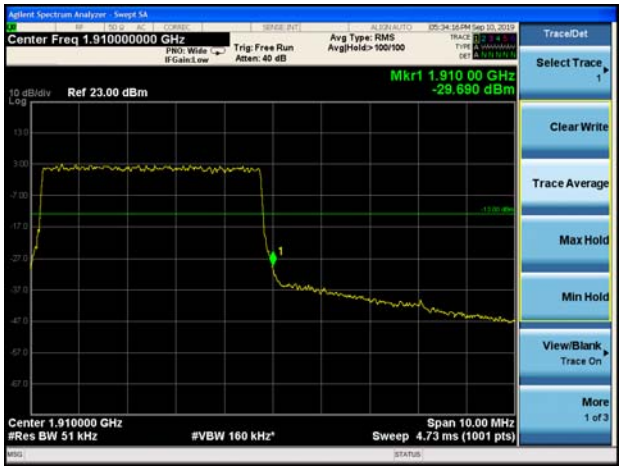
LTE Band 2 5MHz QPSK 1RB CH-High



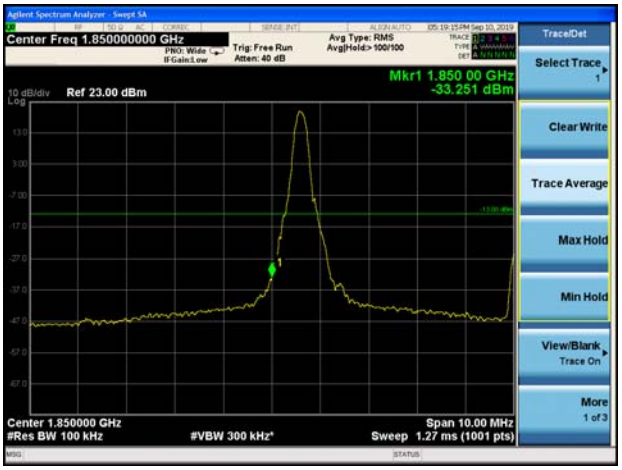
LTE Band 2 5MHz QPSK 100%RB CH-Low



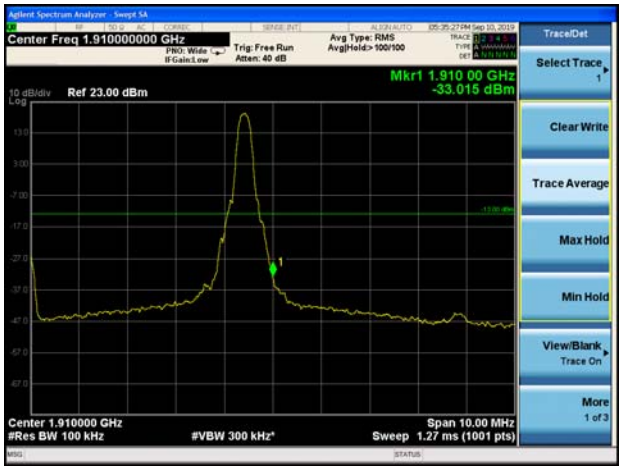
LTE Band 2 5MHz QPSK 100%RB CH-High



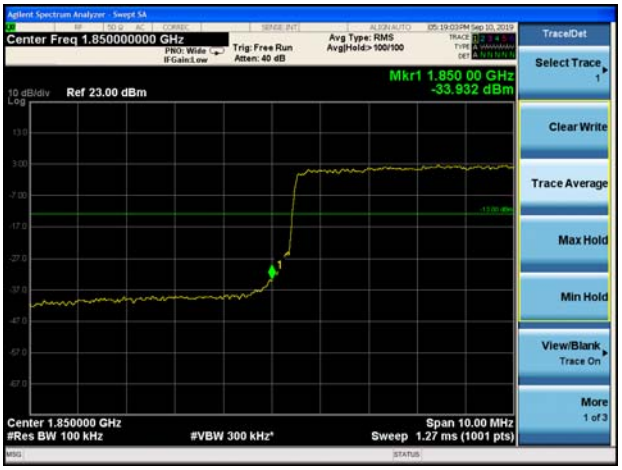
LTE Band 2 10MHz QPSK 1RB CH-Low



LTE Band 2 10MHz QPSK 1RB CH-High

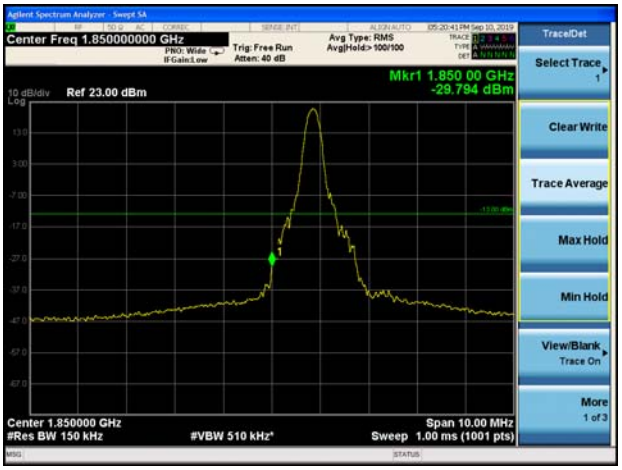


LTE Band 2 10MHz QPSK 100%RB CH-Low

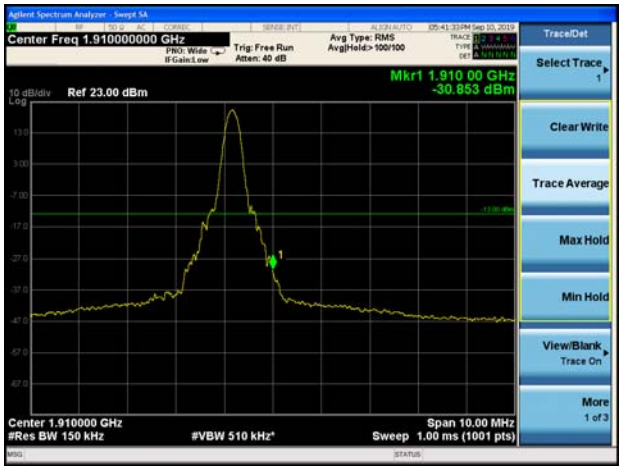


LTE Band 2 10MHz QPSK 100%RB CH-High

LTE Band 2 15MHz QPSK 1RB CH-Low



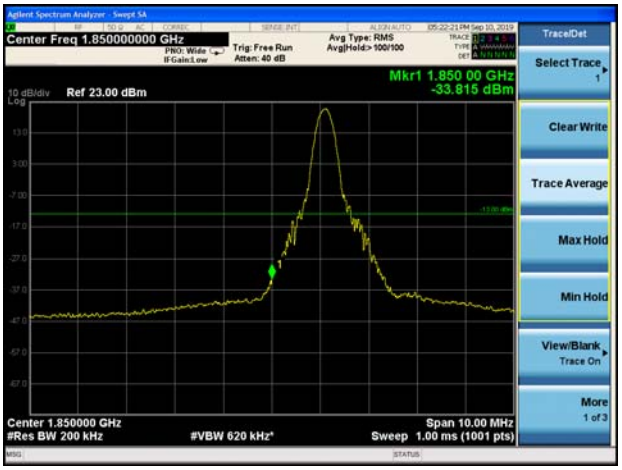
LTE Band 2 15MHz QPSK 1RB CH-High



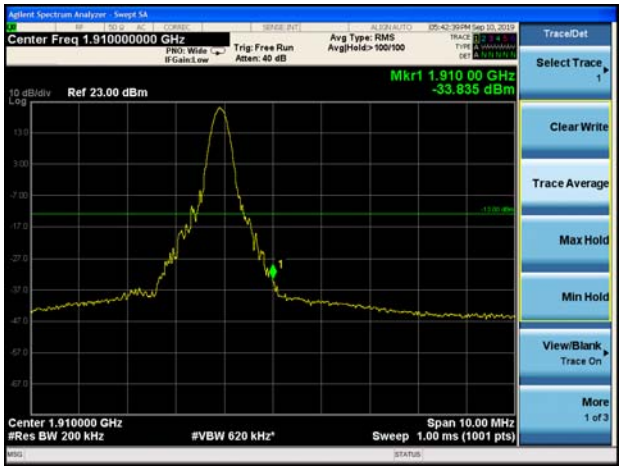
LTE Band 2 15MHz QPSK 100%RB CH-Low

LTE Band 2 15MHz QPSK 100%RB CH-High

LTE Band 2 20MHz QPSK 1RB CH-Low



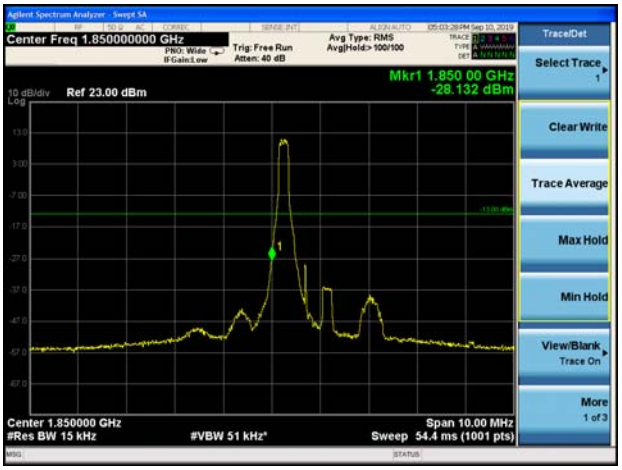
LTE Band 2 20MHz QPSK 1RB CH-High



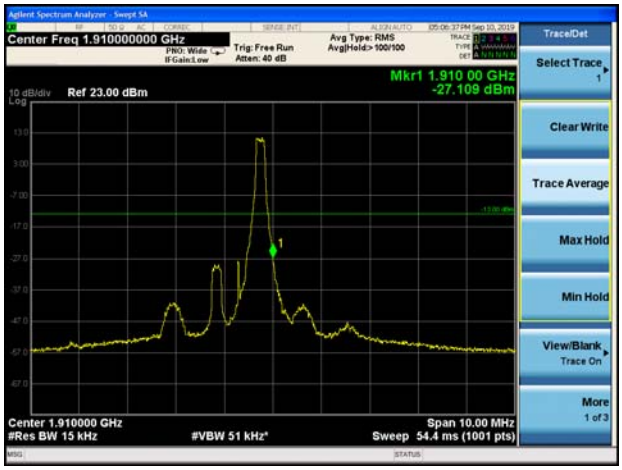
LTE Band 2 20MHz QPSK 100%RB CH-Low

LTE Band 2 20MHz QPSK 100%RB CH-High

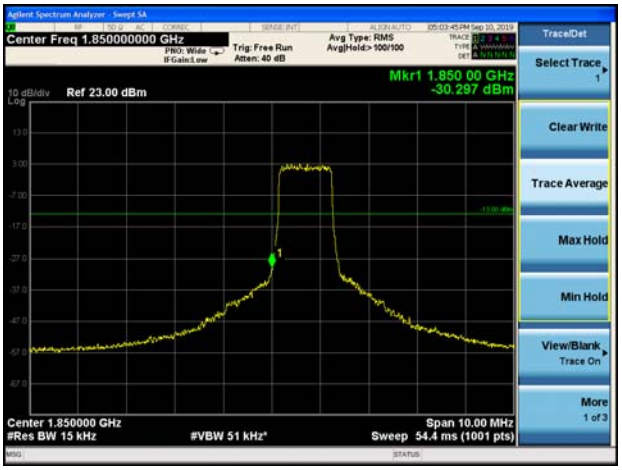
LTE Band 2 1.4MHz 16QAM 1RB CH-Low



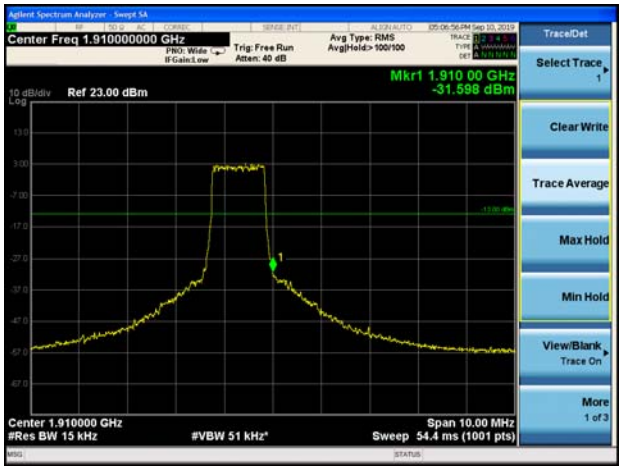
LTE Band 2 1.4MHz 16QAM 1RB CH-High



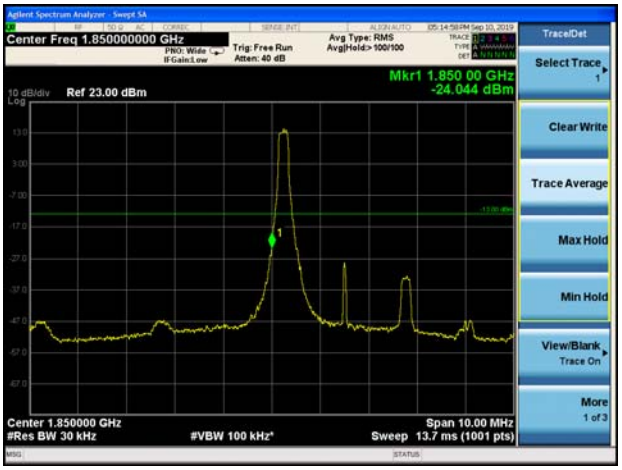
LTE Band 2 1.4MHz 16QAM 100%RB CH-Low



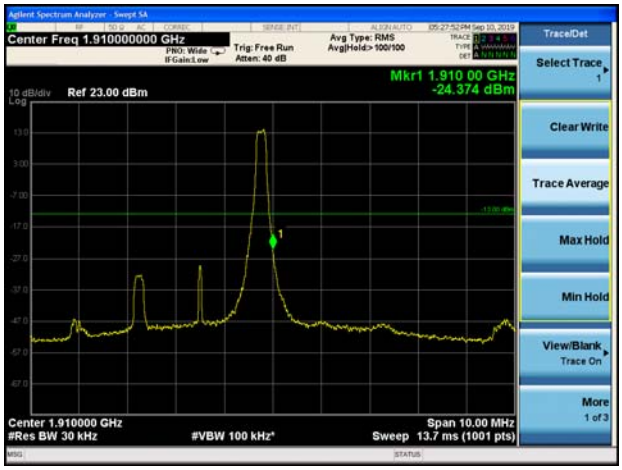
LTE Band 2 1.4MHz 16QAM 100%RB CH-High



LTE Band 2 3MHz 16QAM 1RB CH-Low



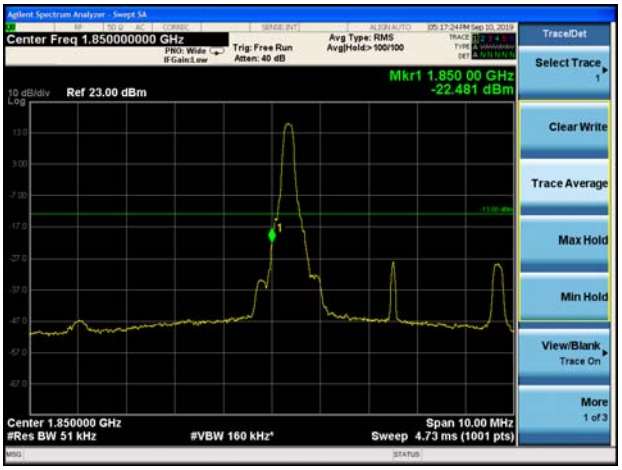
LTE Band 2 3MHz 16QAM 1RB CH-High



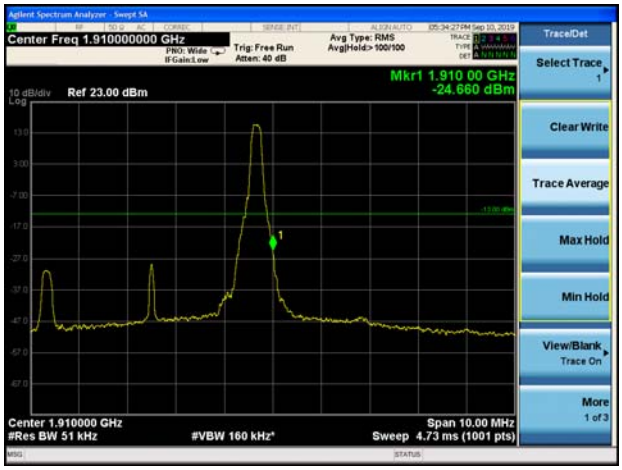
LTE Band 2 3MHz 16QAM 100%RB CH-Low

LTE Band 2 3MHz 16QAM 100%RB CH-High

LTE Band 2 5MHz 16QAM 1RB CH-Low



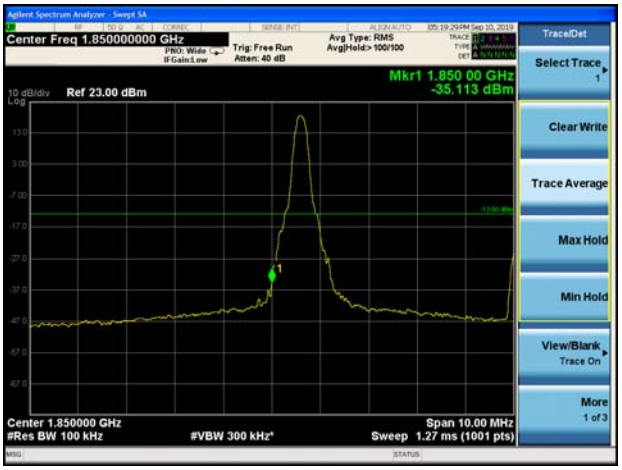
LTE Band 2 5MHz 16QAM 1RB CH-High



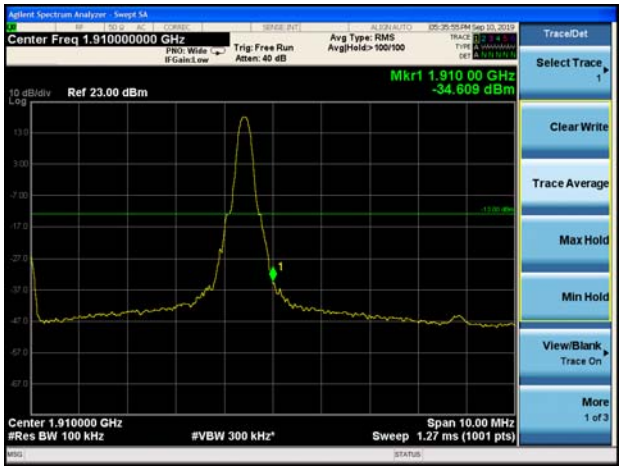
LTE Band 2 5MHz 16QAM 100%RB CH-Low

LTE Band 2 5MHz 16QAM 100%RB CH-High

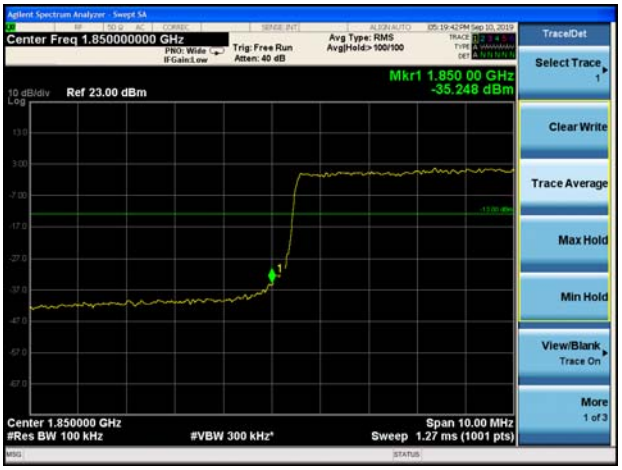
LTE Band 2 10MHz 16QAM 1RB CH-Low



LTE Band 2 10MHz 16QAM 1RB CH-High

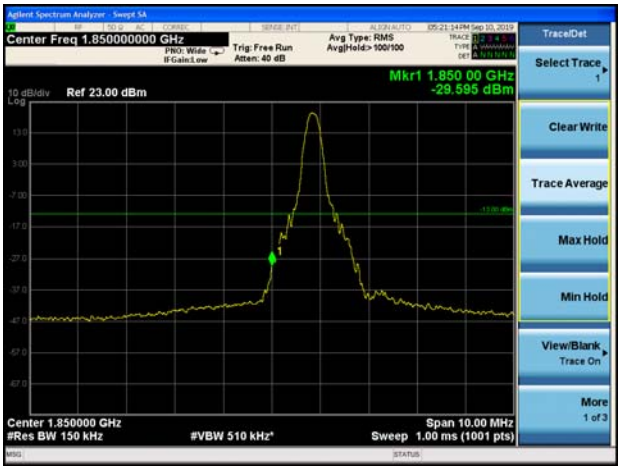


LTE Band 2 10MHz 16QAM 100%RB CH-Low

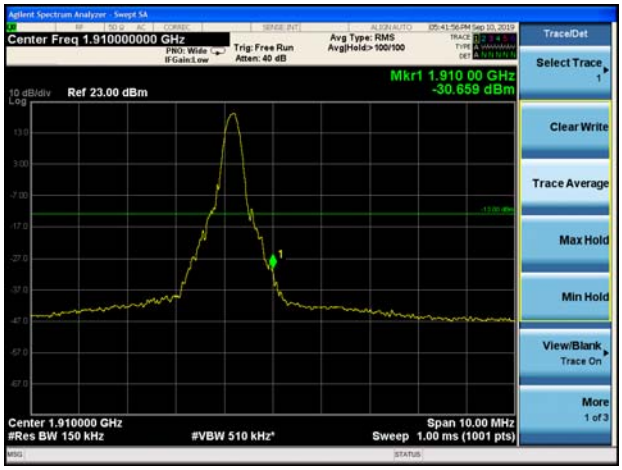


LTE Band 2 10MHz 16QAM 100%RB CH-High

LTE Band 2 15MHz 16QAM 1RB CH-Low



LTE Band 2 15MHz 16QAM 1RB CH-High

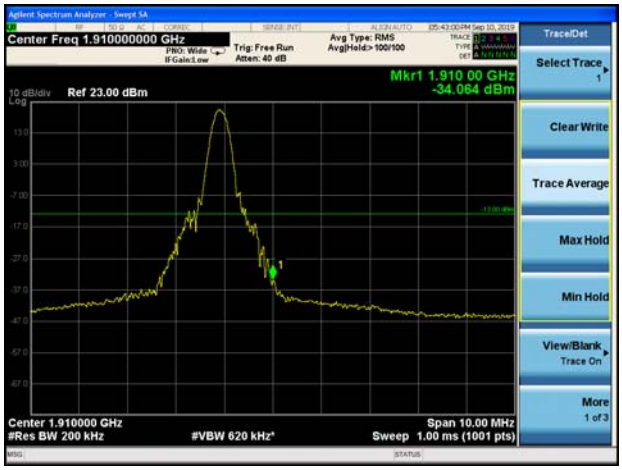


LTE Band 2 15MHz 16QAM 100%RB CH-Low

LTE Band 2 15MHz 16QAM 100%RB CH-High

LTE Band 2 20MHz 16QAM 1RB CH-Low

LTE Band 2 20MHz 16QAM 1RB CH-High



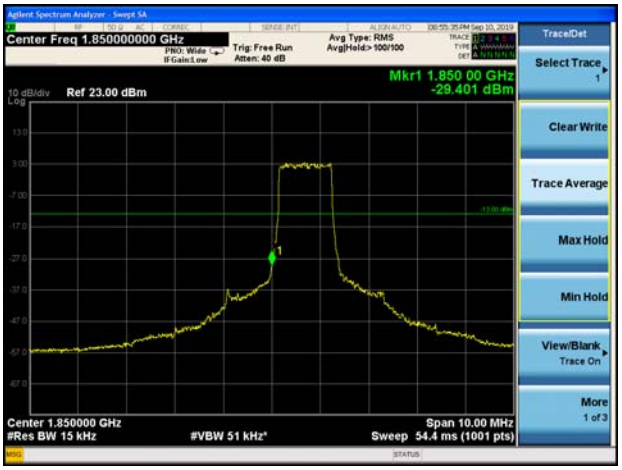
LTE Band 2 20MHz 16QAM 100%RB CH-Low

LTE Band 2 20MHz 16QAM 100%RB CH-High

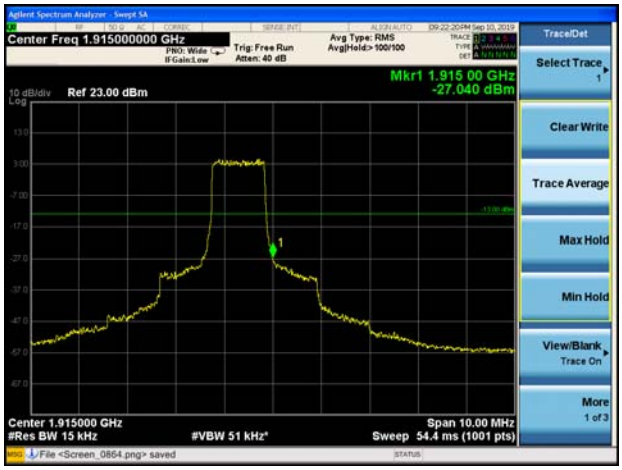
LTE Band 25 1.4MHz QPSK 1RB CH-Low

LTE Band 25 1.4MHz QPSK 1RB CH-High

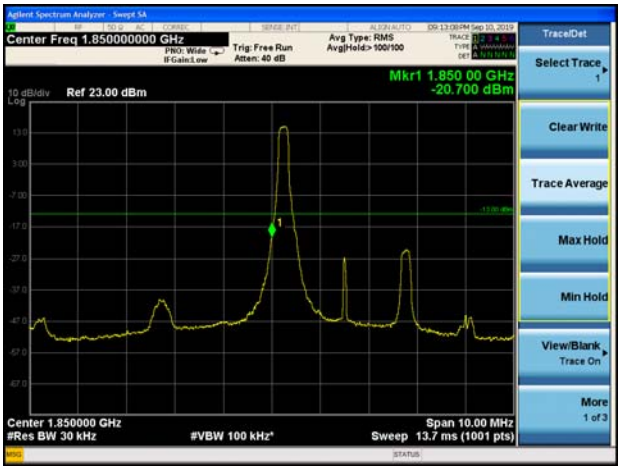
LTE Band 25 1.4MHz QPSK 100%RB CH-Low



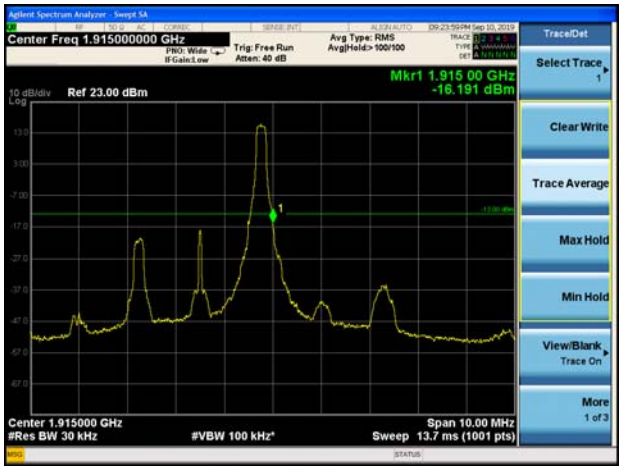
LTE Band 25 1.4MHz QPSK 100%RB CH-High



LTE Band 25 3MHz QPSK 1RB CH-Low



LTE Band 25 3MHz QPSK 1RB CH-High



LTE Band 25 3MHz QPSK 100%RB CH-Low

LTE Band 25 3MHz QPSK 100%RB CH-High