RF TEST REPORT

Applicant	Quectel Wireless Solutions Co., Ltd
FCC ID	XMR202004BG600LM3
Product	LTE Cat M1 & Cat NB2 & EGPRS Module
Brand	Quectel
Model	BG600L-M3
Report No.	R2003A0168-R7V1
Issue Date	July 6, 2020

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2019)/ FCC CFR47 Part 27C (2019)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Performed by: Peng Tao	*Approved by: Kai Xu*

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Summary of Measurement Results

Number	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046 27.50(d)(4) /27.50(b)(10) /27.50(c)(10)	PASS
2	Occupied Bandwidth	2.1049	PASS
3	Band Edge Compliance	27.53(h) /27.53(g) /27.53(f) /27.53(c)	PASS
4	Peak-to-Average Power Ratio	27.50(d)/KDB971168 D01(5.7)	PASS
5	Frequency Stability	2.1055 / 27.54	PASS
6	Spurious Emissions at Antenna Terminals	2.1051 /27.53(h) /27.53(g) /27.53(f) /27.53(c)	PASS
7	Radiates Spurious Emission	2.1053 /27.53(h) /27.53(g) /27.53(f) /27.53(c)	PASS
Date of Testing: April 20, 2020~ May 21, 2020 and June 8, 2020			
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. All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

Note: This revised report (Report No.: R2003A0168-R7V1) supersedes and replaces the previously issued report (Report No.: R2003A0168-R7). Please discard or destroy the previously issued report and dispose of it accordingly.

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.

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.
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2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	Quectel Wireless Solutions Co., Ltd
Applicant address	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233
Manufacturer	Quectel Wireless Solutions Co., Ltd
Manufacturer address	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233

2.2 General information

EUT Description		
Model	BG600L-M3	
IMEI	860873040012816	
Hardware Version	R1.2	
Software Version	BG600LM3LAR02A03	
Power Supply	External power supply	
Antenna Type	The EUT don't have standard Antenna, The Antenna used for testing in this report is the after-market accessory (Dipole Antenna)	
Antenna Gain	Frequency(MHz)	Gain(dBi)
	700	1.66
	710	3.26
	780	4.45
	1720	1.94
	1740	2.00
	1780	0.97
Test Mode(s)	NB-IOT Band 4/12/13/66/71/85	
Test Modulation	BPSK, QPSK	
Category	NB2	
Deployment	stand-alone	
Sub-carrier spacing	3.75KHz, 15KHz	
Ntones	single-tone, multi-tone	
Maximum E.I.R.P.	NB-IOT Band 4	23.84dBm
	NB-IOT Band 66	23.77dBm
Maximum E.R.P.	NB-IOT Band 12	23.48dBm
	NB-IOT Band 13	24.03dBm
	NB-IOT Band 71	21.42dBm
	NB-IOT Band 85	23.32dBm

Rated Power Supply Voltage:	3.8V		
Extreme Voltage	Minimum: 3.3V Maximum: 4.3V		
Extreme Temperature	Lowest: -40°C Highest: +85°C		
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)
	NB-IOT Band 4	1710 ~ 1755	2110 ~ 2155
	NB-IOT Band 12	699 ~ 716	729 ~ 746
	NB-IOT Band 13	777 ~ 787	746 ~ 756
	NB-IOT Band 66	1710 ~ 1780	2110 ~ 2180
	NB-IOT Band 71	663 ~ 698	617 ~ 652
	NB-IOT Band 85	698 ~ 716	728 ~ 746
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.			

3 Applied Standards

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

Test standards:

FCC CFR47 Part 27C (2019)

ANSI C63.26 (2015)

Reference standard:

FCC CFR47 Part 2 (2019)

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 (Z axis, horizontal polarization) and the worst case was recorded.

All modes as Subcarrier Spacing, modulations, Channel were investigated.
Subsequently, only the worst case emissions are reported.
The following testing in NB-IOT is set based on the maximum RF Output Power.
The following testing in different mode is set to detail in the following table:
Test modes are chosen to be reported as the worst case configuration below for NB-IOT Band 4/12/13/66/71/85:

Test items	Mode	Deployment mode	Subcarrier Spacing (kHz)		Modulation		Test Channel		
		Stand-alone	3.75	15	BPSK	QPSK	L	M	H
RF Power Output and Effective Isotropic Radiated Power	NB-IOT B4	O	O	O	O	O	O	O	O
	NB-IOT B12	O	O	O	O	O	O	O	O
	NB-IOT B13	O	O	O	O	O	O	O	O
	NB-IOT B66	O	O	O	O	O	O	O	O
	NB-IOT B71	O	O	O	O	O	O	O	O
	NB-IOT B85	O	O	O	O	O	O	O	O
Occupied Bandwidth	NB-IOT B4	O	O	O	O	O	O	O	O
	NB-IOT B12	O	O	O	O	O	O	O	O
	NB-IOT B13	O	O	O	O	O	O	O	O
	NB-IOT B66	O	O	O	O	O	O	O	O
	NB-IOT B71	O	O	O	O	O	O	O	O
	NB-IOT B85	O	O	O	O	O	O	O	O
Band Edge Compliance	NB-IOT B4	O	O	O	O	O	O	-	O
	NB-IOT B12	O	O	O	O	O	O	-	O
	NB-IOT B13	O	O	O	O	O	O	-	O
	NB-IOT B66	O	O	O	O	O	O	-	O
	NB-IOT B71	O	O	O	O	O	O	-	O
	NB-IOT B85	O	O	O	O	O	O	-	O
Peak-to-Average Power Ratio	NB-IOT B4	O	O	O	O	O	-	O	-
	NB-IOT B12	O	O	O	O	O	-	O	-
	NB-IOT B13	O	O	O	O	O	-	O	-
	NB-IOT B66	O	O	O	O	O	-	O	-
	NB-IOT B71	O	O	O	O	O	-	O	-
	NB-IOT B85	O	O	O	O	O	-	O	-

Frequency Stability	NB-IOT B4	O	O	O	O	O	O	O	O
	NB-IOT B12	O	O	O	O	O	O	O	O
	NB-IOT B13	O	O	O	O	O	O	O	O
	NB-IOT B66	O	O	O	O	O	O	O	O
	NB-IOT B71	O	O	O	O	O	O	O	O
	NB-IOT B85	O	O	O	O	O	O	O	O
Conducted Spurious Emissions	NB-IOT B4	O	-	O	-	O	O	O	O
	NB-IOT B12	O	-	O	-	O	O	O	O
	NB-IOT B13	O	-	O	-	O	O	O	O
	NB-IOT B66	O	-	O	-	O	O	O	O
	NB-IOT B71	O	-	O	-	O	O	O	O
	NB-IOT B85	O	-	O	-	O	O	O	O
Radiates Spurious Emission	NB-IOT B4	O	-	O	-	O	O	O	O
	NB-IOT B12	O	-	O	-	O	O	O	O
	NB-IOT B13	O	-	O	-	O	O	O	O
	NB-IOT B66	O	-	O	-	O	O	O	O
	NB-IOT B71	O	-	O	-	O	O	O	O
	NB-IOT B85	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 and Effective Isotropic Radiated Power

Ambient condition

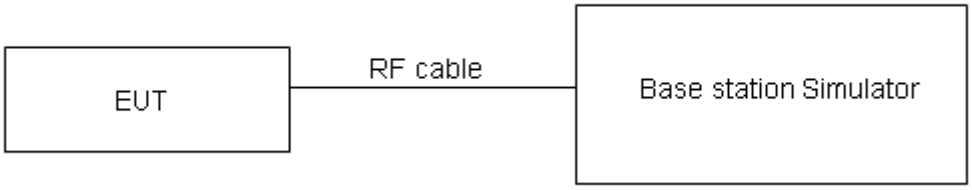
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

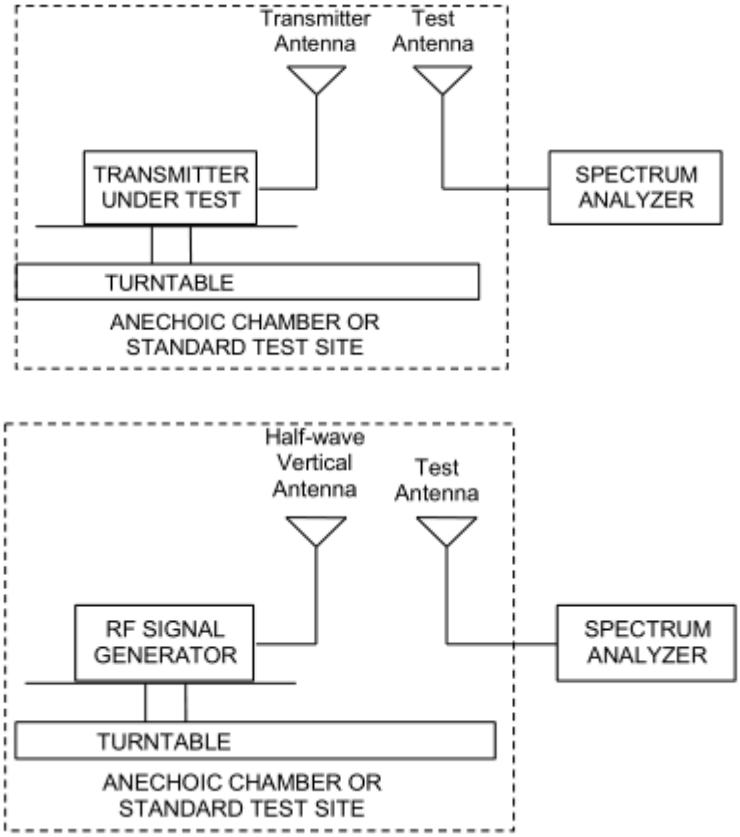
During the process of the testing, The EUT is controlled by the Base Station Simulator to ensure max power transmission and proper modulation.

1. The testing follows FCC KDB 971168 D01 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



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



Note: Area side:2.4mX3.6m

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

Limits

No specific RF power output requirements in part 2.1046.

Rule Part 27.50(b) (10) specifies that “Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP”

Rule Part 27.50(c) (10) specifies that “Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP”

Rule Part 27.50(d) (4) specifies that “Fixed, mobile and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP”

Part 27.50(b)(10)Limit	≤ 3 W (34.77 dBm)
Part 27.50(c)(10)Limit	≤ 3 W (34.77 dBm)
Part 27.50(d)(4)Limit	≤ 1 W (30 dBm)

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 for RF power output, k = 2, U= 1.19 dB for ERP/EIRP.

Test Results

Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Conducted Power (dBm) for low/middle/high channel			EIRP(dBm)		
				19952 /1710.2 (MHz)	20175 /1732.5 (MHz)	20398 /1754.8 (MHz)	19952 /1710.2 (MHz)	20175 /1732.5 (MHz)	20398 /1754.8 (MHz)
NB-IOT Band 4 Standalone	BPSK	3.75	1@0	21.56	21.69	21.55	23.50	23.69	23.12
			1@47	21.44	21.61	21.48	23.38	23.61	23.05
		15	1@0	21.57	21.81	21.52	23.51	23.81	23.09
			1@11	21.46	21.72	21.47	23.40	23.72	23.04
	QPSK	3.75	1@0	21.50	21.65	21.49	23.44	23.65	23.06
			1@47	21.51	21.59	21.48	23.45	23.59	23.05
		15	1@0	21.47	21.84	21.48	23.41	23.84	23.05
			1@11	21.50	21.75	21.50	23.44	23.75	23.07
		15	12@0	19.49	19.82	19.45	21.43	21.82	21.02
Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Conducted Power (dBm) for low/middle/high channel			ERP(dBm)		
				23012 /699.2 (MHz)	23095 /707.5 (MHz)	23178 /715.8 (MHz)	23012 /699.2 (MHz)	23095 /707.5 (MHz)	23178 /715.8 (MHz)
NB-IOT Band 12 Standalone	BPSK	3.75	1@0	21.62	21.65	21.56	21.13	22.76	23.36
			1@47	21.72	21.50	21.46	21.23	22.61	23.26
		15	1@0	21.66	21.65	21.68	21.17	22.76	23.48
			1@11	21.83	21.58	21.54	21.34	22.69	23.34
	QPSK	3.75	1@0	21.78	21.54	21.58	21.29	22.65	23.38
			1@47	21.73	21.52	21.66	21.24	22.63	23.46
		15	1@0	21.85	21.65	21.65	21.36	22.76	23.45
			1@11	21.78	21.67	21.68	21.29	22.78	23.48
		15	12@0	19.64	19.57	19.79	19.15	20.68	21.59
Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Conducted Power (dBm) for low/middle/high channel			ERP(dBm)		
				23182 /777.2 (MHz)	23230 /782 (MHz)	23278 /786.8 (MHz)	23182 /777.2 (MHz)	23230 /782 (MHz)	23278 /786.8 (MHz)
NB-IOT Band 13 Standalone	BPSK	3.75	1@0	21.58	21.68	21.78	23.88	23.98	23.26
			1@47	21.56	21.61	21.67	23.86	23.91	23.15
		15	1@0	21.56	21.57	21.68	23.86	23.87	23.16
			1@11	21.51	21.55	21.64	23.81	23.85	23.12
	QPSK	3.75	1@0	21.63	21.67	21.63	23.93	23.97	23.11
			1@47	21.55	21.73	21.72	23.85	24.03	23.20
		15	1@0	21.58	21.66	21.72	23.88	23.96	23.20
			1@11	21.61	21.52	21.65	23.91	23.82	23.13
		15	12@0	19.31	19.47	19.72	21.61	21.77	21.20

Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Conducted Power (dBm) for low/middle/high channel			EIRP(dBm)		
				131974 /1710.2 (MHz)	132322 /1745 (MHz)	132670 /1779.8 (MHz)	131974 /1710.2 (MHz)	132322 /1745 (MHz)	132670 /1779.8 (MHz)
NB-IOT Band 66 Standalone	BPSK	3.75	1@0	21.71	21.69	22.18	23.65	23.69	23.15
			1@47	21.63	21.68	22.09	23.57	23.68	23.06
		15	1@0	21.72	21.74	22.26	23.66	23.74	23.23
			1@11	21.71	21.68	22.21	23.65	23.68	23.18
	QPSK	3.75	1@0	21.59	21.69	22.16	23.53	23.69	23.13
			1@47	21.52	21.68	22.13	23.46	23.68	23.10
		15	1@0	21.76	21.77	22.23	23.70	23.77	23.20
			1@11	21.72	21.74	22.26	23.66	23.74	23.23
		15	12@0	19.64	19.67	19.99	21.58	21.67	20.96
Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Conducted Power (dBm) for low/middle/high channel			ERP(dBm)		
				133124 /663.2 (MHz)	133297 /680.5 (MHz)	133470 /697.8 (MHz)	133124 /663.2 (MHz)	133297 /680.5 (MHz)	133470 /697.8 (MHz)
NB-IOT Band 71 Standalone	BPSK	3.75	1@0	21.91	21.78	21.50	21.42	21.29	21.01
			1@47	21.84	21.71	21.42	21.35	21.22	20.93
		15	1@0	21.86	21.70	21.62	21.37	21.21	21.13
			1@11	21.78	21.60	21.57	21.29	21.11	21.08
	QPSK	3.75	1@0	21.86	21.77	21.45	21.37	21.28	20.96
			1@47	21.75	21.79	21.53	21.26	21.30	21.04
		15	1@0	21.85	21.66	21.65	21.36	21.17	21.16
			1@11	21.81	21.58	21.66	21.32	21.09	21.17
		15	12@0	19.84	20.04	19.63	19.35	19.55	19.14
Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Conducted Power (dBm) for low/middle/high channel			ERP(dBm)		
				134004 /698.2 (MHz)	134092 /707 (MHz)	134180 /715.8 (MHz)	134004 /698.2 (MHz)	134092 /707 (MHz)	134180 /715.8 (MHz)
NB-IOT Band 85 Standalone	BPSK	3.75	1@0	21.70	21.39	21.52	21.21	22.50	23.32
			1@47	21.61	21.34	21.49	21.12	22.45	23.29
		15	1@0	21.62	21.53	21.48	21.13	22.64	23.28
			1@11	21.58	21.44	21.40	21.09	22.55	23.20
	QPSK	3.75	1@0	21.66	21.32	21.44	21.17	22.43	23.24
			1@47	21.59	21.33	21.43	21.10	22.44	23.23
		15	1@0	21.61	21.51	21.46	21.12	22.62	23.26
			1@11	21.52	21.39	21.37	21.03	22.50	23.17
		15	12@0	19.53	19.39	19.53	19.04	20.50	21.33

5.2 Occupied Bandwidth

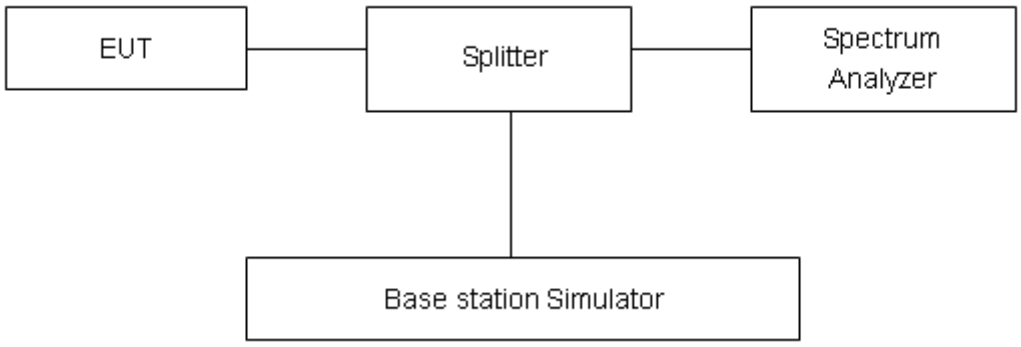
Ambient condition

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 2kHz, VBW is set to 6.2kHz for NB-IOT Band 4/12/13/66/71/85.
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

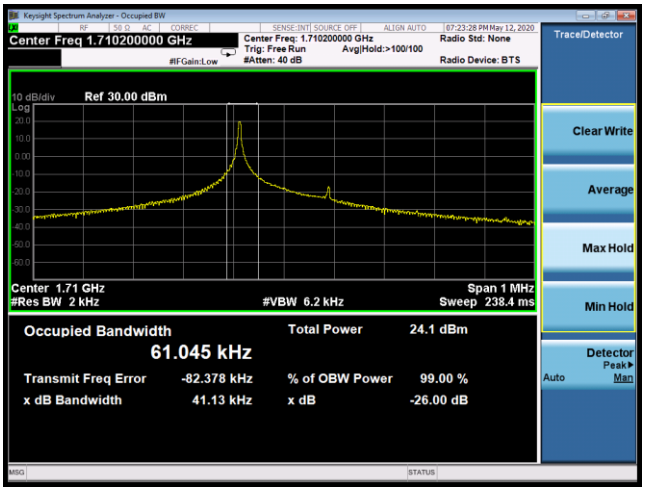
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U=624Hz.

Test Result

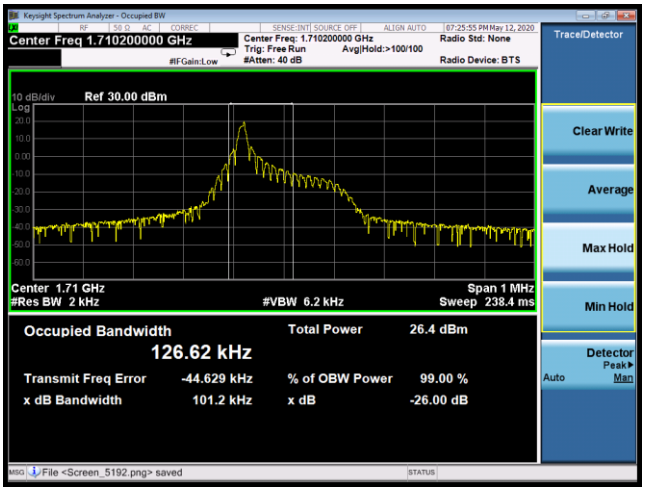
Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/middle/high channel					
				19952/1710.2(MHz)		20175/1732.5(MHz)		20398/1754.8(MHz)	
				99% Power	-26dBc	99% Power	-26dBc	99% Power	-26dBc
NB-IOT Band 4 Standalone	BPSK	3.75	1@0	61.05	41.13	58.93	41.06	60.18	41.14
	QPSK	3.75	1@0	66.55	41.32	66.70	41.82	67.27	42.20
	BPSK	15	1@0	126.62	101.20	120.02	104.70	133.60	116.90
	QPSK	15	1@0	132.36	129.60	117.28	117.80	115.76	117.60
	QPSK	15	12@0	183.18	250.60	184.45	235.00	184.02	261.80
Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/ middle/high channel					
				23012/699.2(MHz)		23095/707.5(MHz)		23178/715.8(MHz)	
				99% Power	-26dBc	99% Power	-26dBc	99% Power	-26dBc
NB-IOT Band 12 Standalone	BPSK	3.75	1@0	57.74	41.11	57.77	41.01	58.39	41.34
	QPSK	3.75	1@0	65.21	39.90	67.22	42.90	64.78	39.58
	BPSK	15	1@0	128.02	106.40	129.20	115.50	130.46	118.60
	QPSK	15	1@0	116.93	117.30	117.20	117.60	120.47	117.30
	QPSK	15	12@0	182.00	239.70	183.47	239.50	183.35	259.50
Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/ middle/high channel					
				23182/777.2(MHz)		23230/782(MHz)		23278/786.8(MHz)	
				99% Power	-26dBc	99% Power	-26dBc	99% Power	-26dBc
Band 13 Standalone	BPSK	3.75	1@0	58.02	41.29	57.74	41.14	57.98	40.47
	QPSK	3.75	1@0	66.38	40.52	65.11	40.19	65.57	40.07
	BPSK	15	1@0	120.63	103.10	125.94	103.20	122.05	116.20
	QPSK	15	1@0	117.55	117.30	117.90	116.00	120.65	117.10
	QPSK	15	12@0	184.67	251.70	184.44	238.40	184.70	250.10
Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/ middle/high channel					
				131974/1710.2(MHz)		132322/1745(MHz)		132670/1779.8(MHz)	
				99% Power	-26dBc	99% Power	-26dBc	99% Power	-26dBc
NB-IOT Band 66 Standalone	BPSK	3.75	1@0	62.54	40.84	60.12	40.68	60.10	40.73
	QPSK	3.75	1@0	66.16	40.11	69.75	42.74	67.43	44.08
	BPSK	15	1@0	129.24	118.70	121.73	115.70	118.87	102.90
	QPSK	15	1@0	114.57	118.40	118.32	128.20	119.68	115.50
	QPSK	15	12@0	182.72	248.50	183.27	235.80	183.59	238.90
Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/ middle/high channel					
				133124/663.2(MHz)		133297/680.5(MHz)		133470/697.8(MHz)	
				99% Power	-26dBc	99% Power	-26dBc	99% Power	-26dBc
Band 71 Standalone	BPSK	3.75	1@0	58.98	41.38	58.23	41.03	58.26	41.04
	QPSK	3.75	1@0	65.73	40.12	67.43	43.44	67.29	40.65
	BPSK	15	1@0	120.85	104.50	132.43	120.00	118.45	104.10
	QPSK	15	1@0	121.39	104.70	114.93	113.50	121.46	116.90
	QPSK	15	12@0	183.47	239.60	184.47	245.10	183.24	240.10

Mode	Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/ middle/high channel					
				134004/698.2(MHz)		134092/707(MHz)		134180/715.8(MHz)	
				99% Power	-26dBc	99% Power	-26dBc	99% Power	-26dBc
NB-IOT Band 85 Standalone	BPSK	3.75	1@0	58.79	41.28	59.63	41.13	57.67	41.19
	QPSK	3.75	1@0	66.04	40.55	66.68	40.17	67.26	40.10
	BPSK	15	1@0	126.90	104.00	126.62	105.10	122.69	99.82
	QPSK	15	1@0	115.88	117.40	120.98	118.50	116.67	131.40
	QPSK	15	12@0	183.22	250.10	183.15	237.60	183.51	249.40

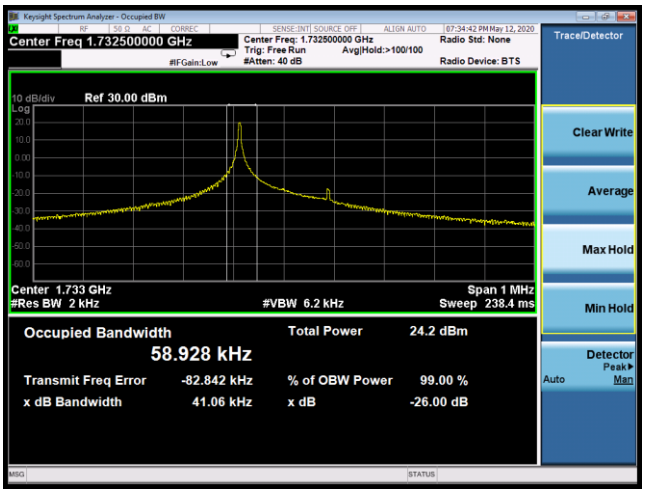
NB-IOT Band 4 BPSK 3.75KHz 1@0 CH-Low



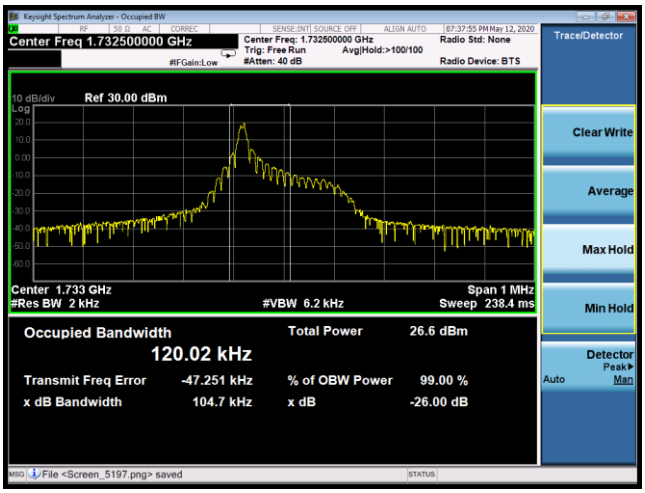
NB-IOT Band 4 BPSK 15KHz 1@0 CH-Low



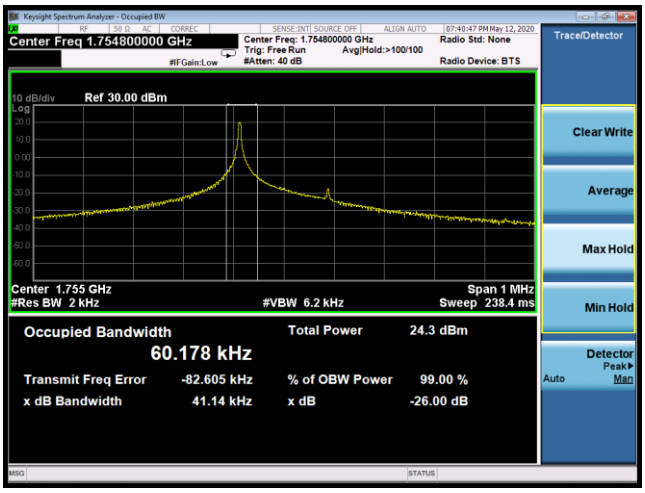
NB-IOT Band 4 BPSK 3.75KHz 1@0 CH-Middle



NB-IOT Band 4 BPSK 15KHz 1@0 CH-Middle

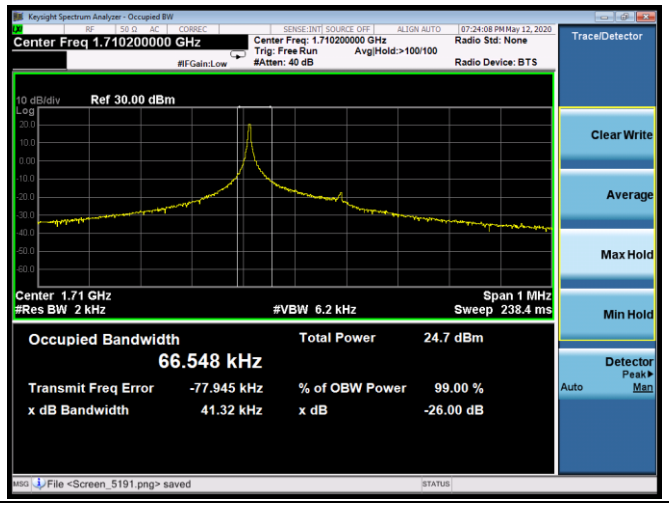


NB-IOT Band 4 BPSK 3.75KHz 1@0 CH-High

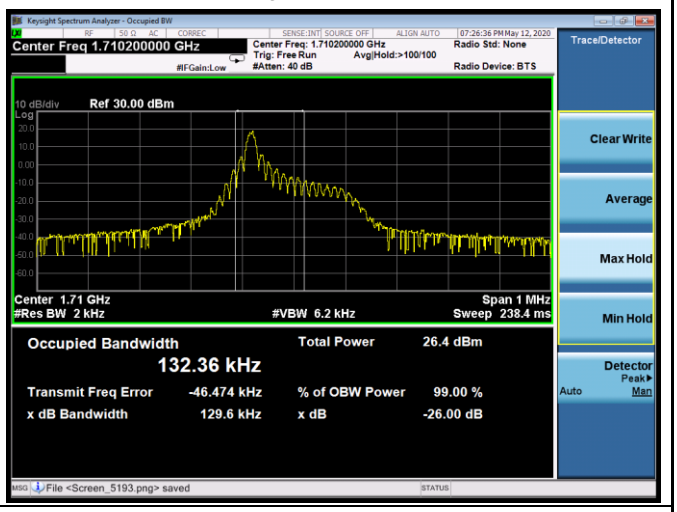


NB-IOT Band 4 BPSK 15KHz 1@0 CH-High

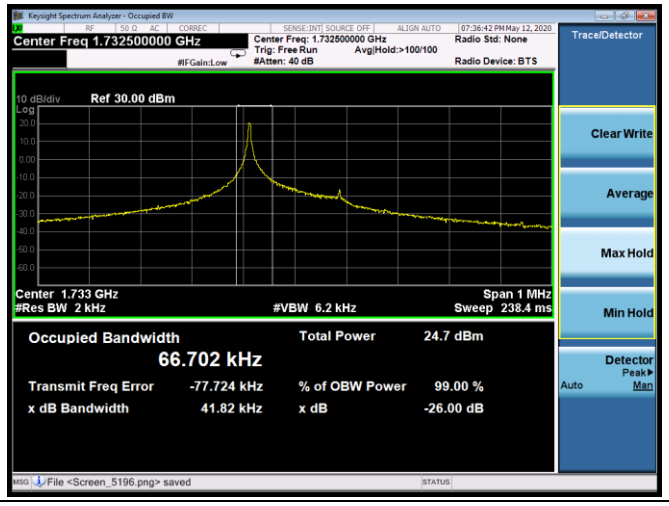
NB-IOT Band 4 QPSK 3.75KHz 1@0 CH-Low



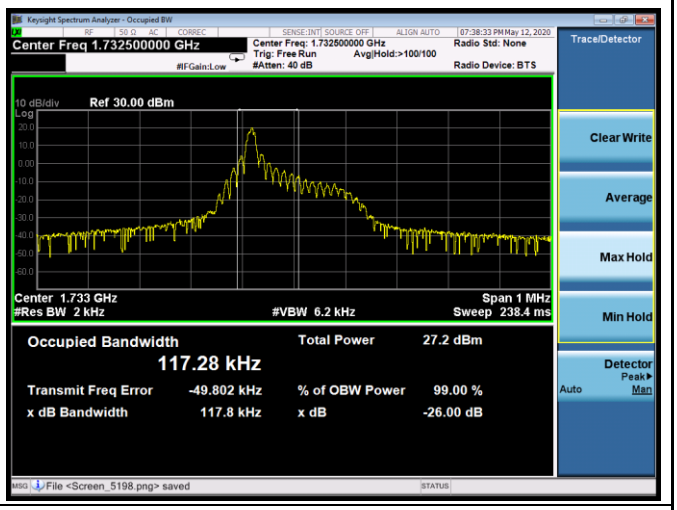
NB-IOT Band 4 QPSK 15KHz 1@0 CH-Low



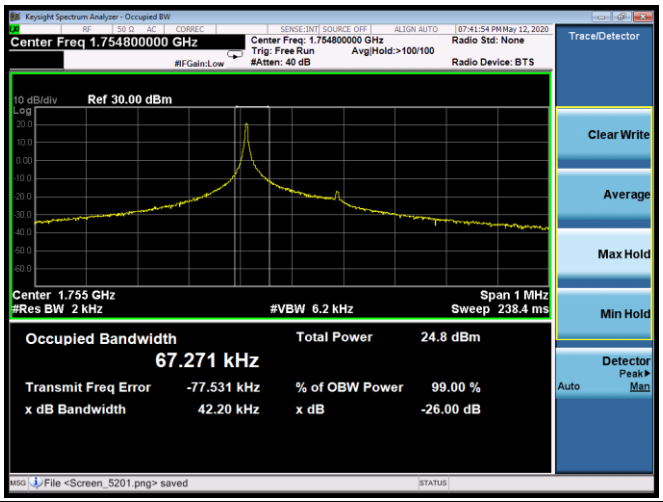
NB-IOT Band 4 QPSK 3.75KHz 1@0 CH-Middle



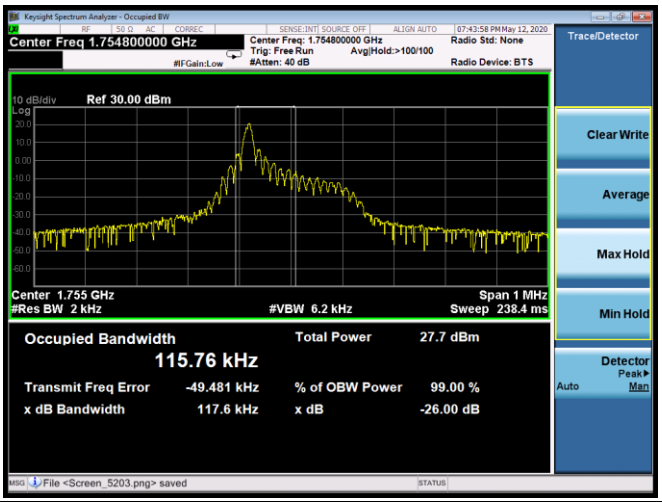
NB-IOT Band 4 QPSK 15KHz 1@0 CH-Middle



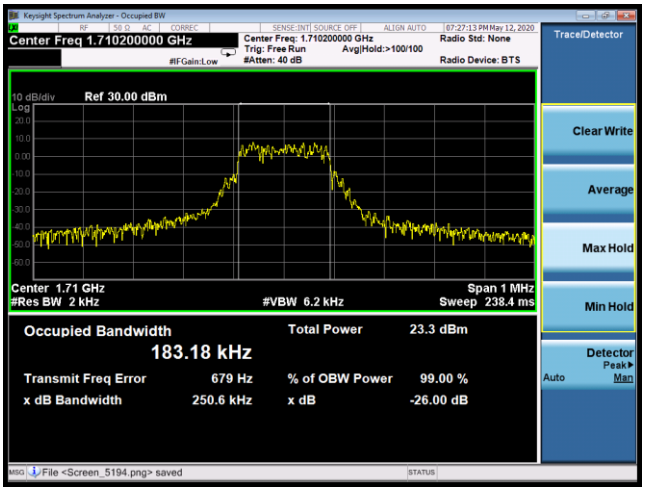
NB-IOT Band 4 QPSK 3.75KHz 1@0 CH-High



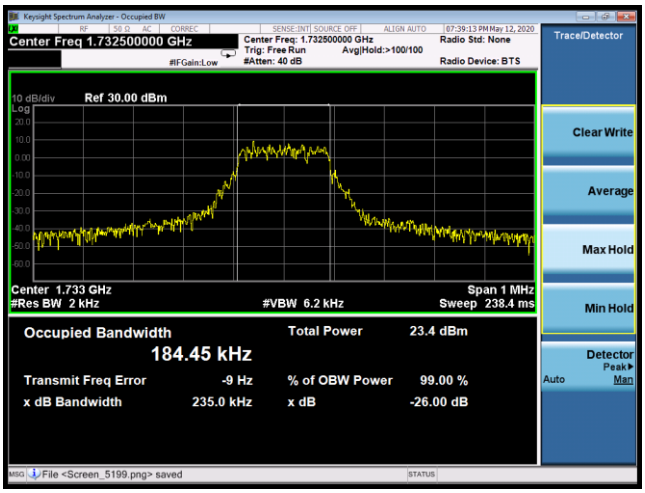
NB-IOT Band 4 QPSK 15KHz 1@0 CH-High



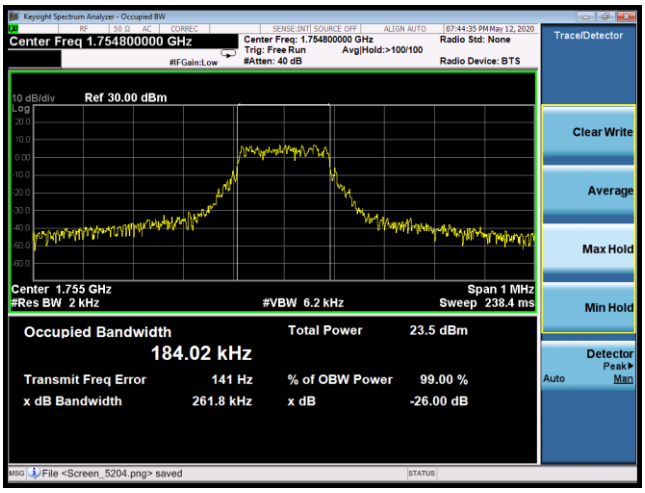
NB-IOT Band 4 QPSK 15KHz 12@0 CH-Low



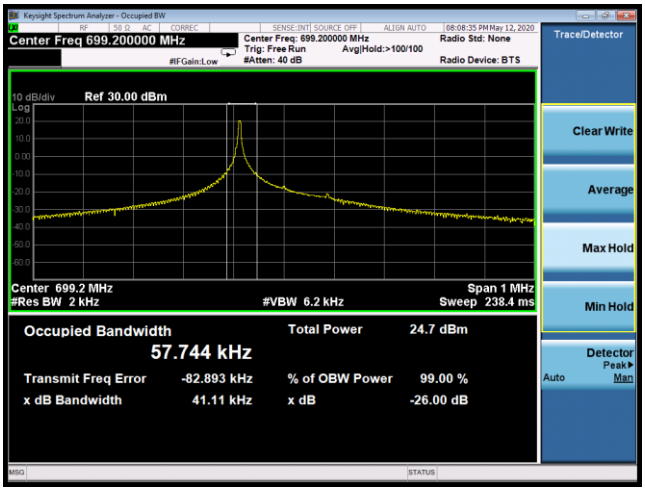
NB-IOT Band 4 QPSK 15KHz 12@0 CH-Middle



NB-IOT Band 4 QPSK 15KHz 12@0 CH-High

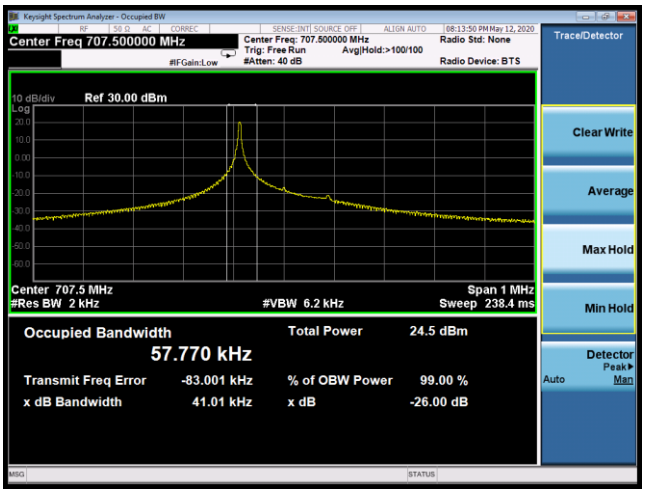


NB-IOT Band 12 BPSK 3.75KHz 1@0 CH-Low



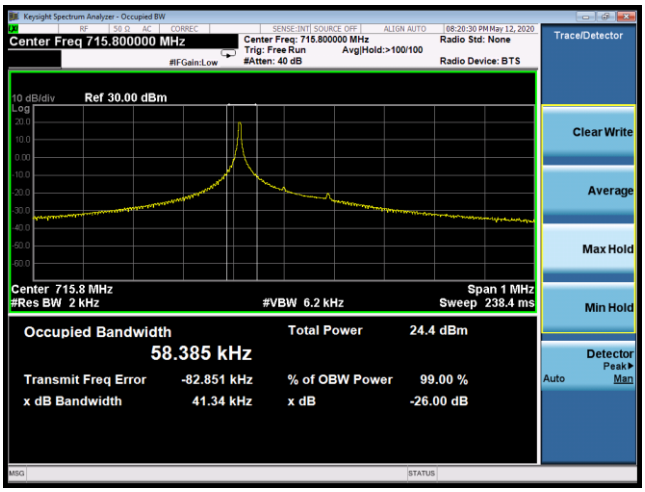
NB-IOT Band 12 BPSK15KHz 1@0 CH-Low

NB-IOT Band 12 BPSK 3.75KHz 1@0 CH-Middle



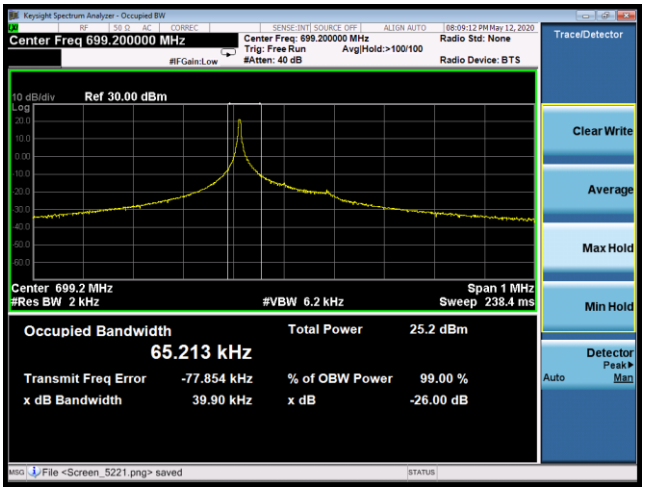
NB-IOT Band 12 BPSK 15KHz 1@0 CH-Middle

NB-IOT Band 12 BPSK 3.75KHz 1@0 CH-High

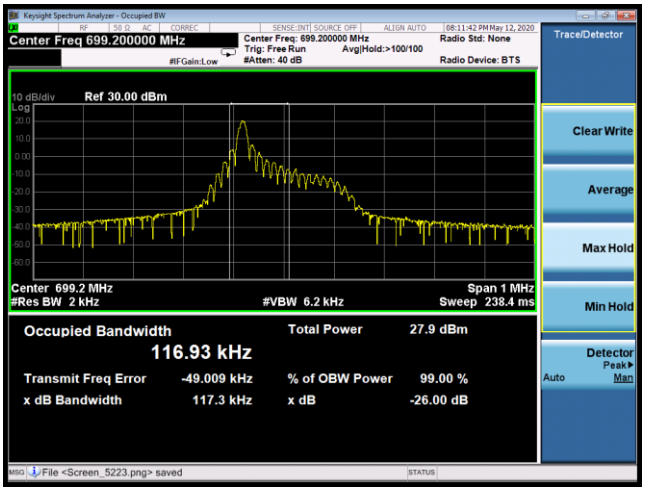


NB-IOT Band 12 BPSK 15KHz 1@0 CH-High

NB-IOT Band 12 QPSK 3.75KHz 1@0 CH-Low



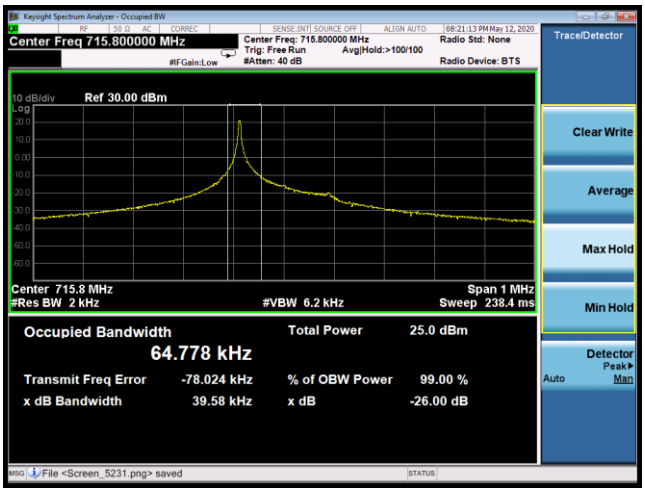
NB-IOT Band 12 QPSK 15KHz 1@0 CH-Low



NB-IOT Band 12 QPSK 3.75KHz 1@0 CH-Middle

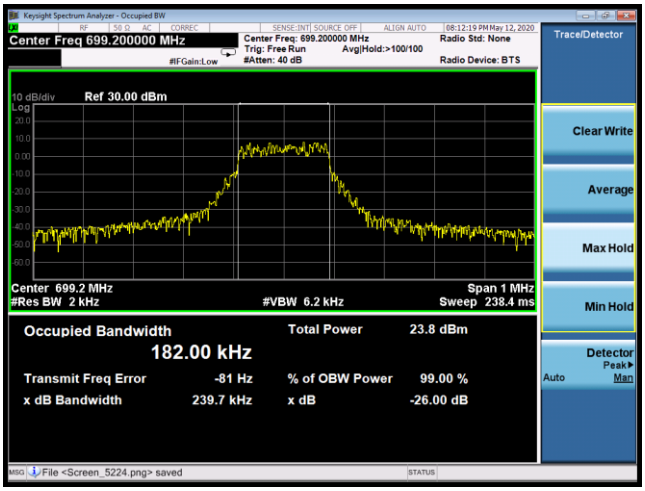
NB-IOT Band 12 QPSK 15KHz 1@0 CH-Middle

NB-IOT Band 12 QPSK 3.75KHz 1@0 CH-High

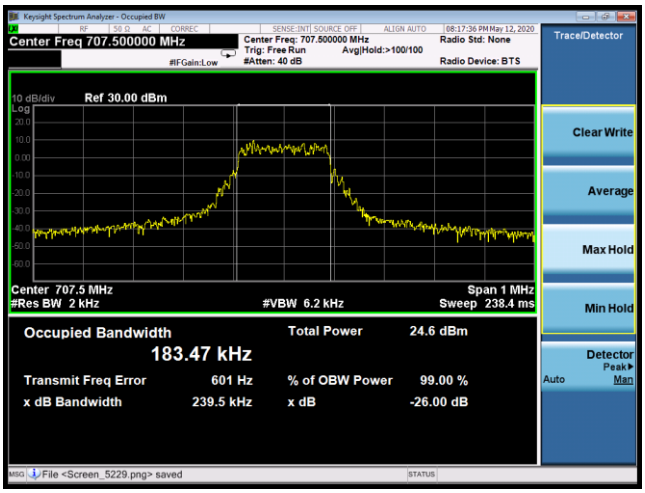


NB-IOT Band 12 QPSK 15KHz 1@0 CH-High

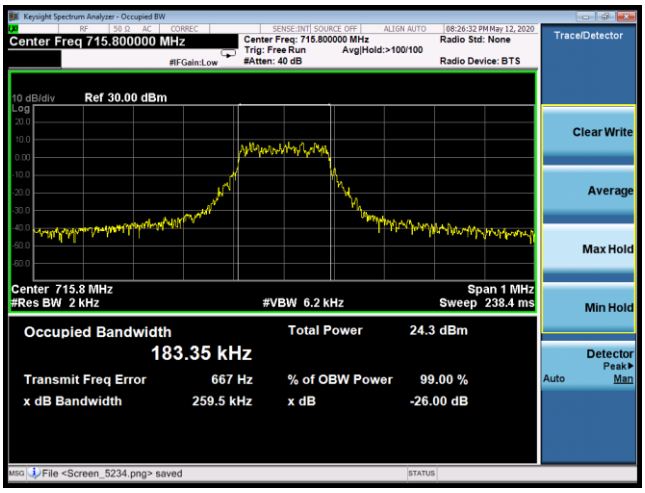
NB-IOT Band 12 QPSK 15KHz 12@0 CH-Low



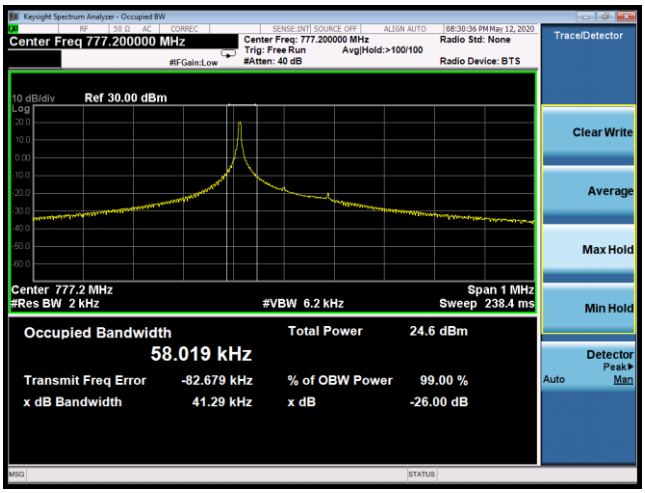
NB-IOT Band 12 QPSK 15KHz 12@0 CH-Middle



NB-IOT Band 12 QPSK 15KHz 12@0 CH-High

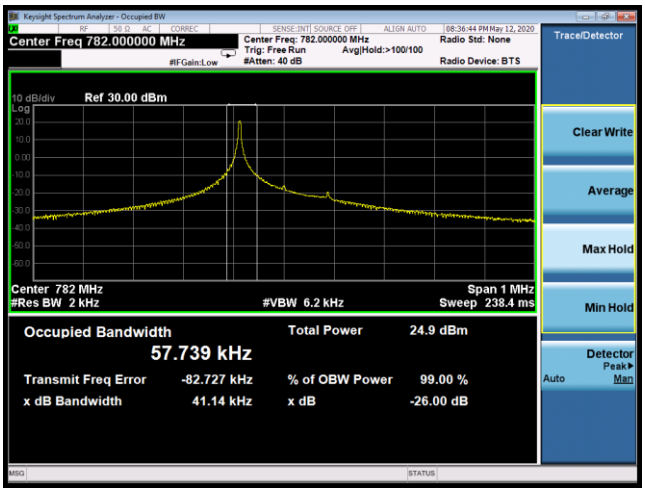


NB-IOT Band 13 BPSK 3.75KHz 1@0 CH-Low



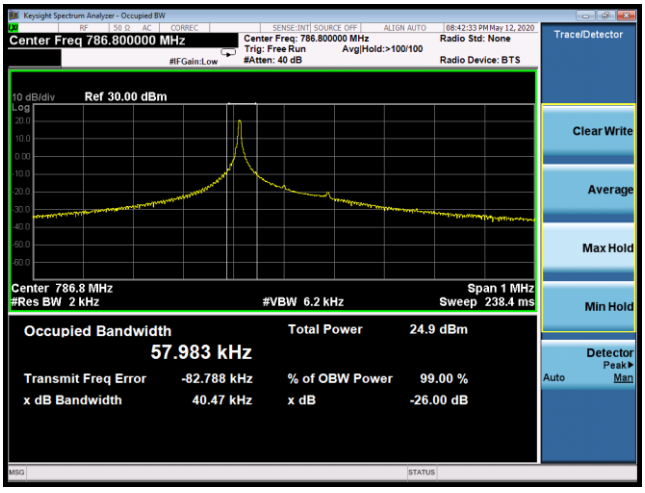
NB-IOT Band 13 BPSK15KHz 1@0 CH-Low

NB-IOT Band 13 BPSK 3.75KHz 1@0 CH-Middle



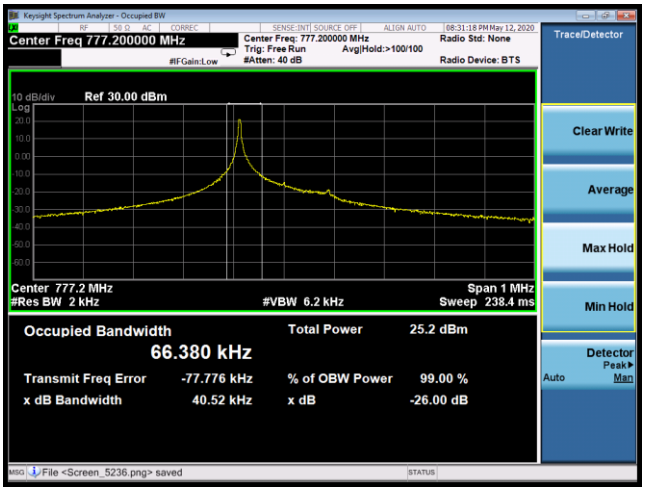
NB-IOT Band 13 BPSK 15KHz 1@0 CH-Middle

NB-IOT Band 13 BPSK 3.75KHz 1@0 CH-High



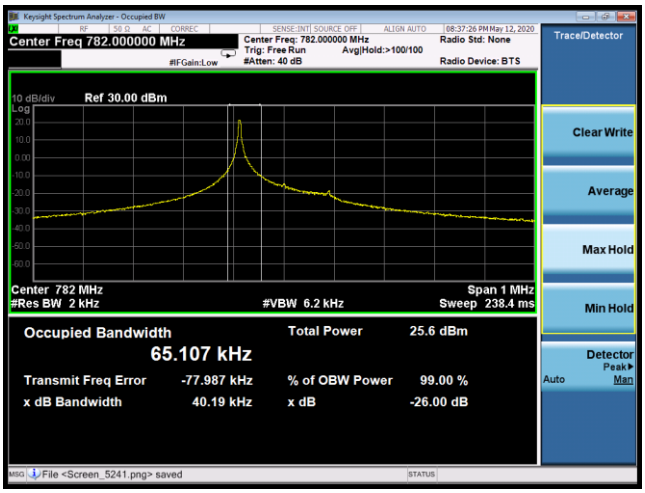
NB-IOT Band 13 BPSK 15KHz 1@0 CH-High

NB-IOT Band 13 QPSK 3.75KHz 1@0 CH-Low

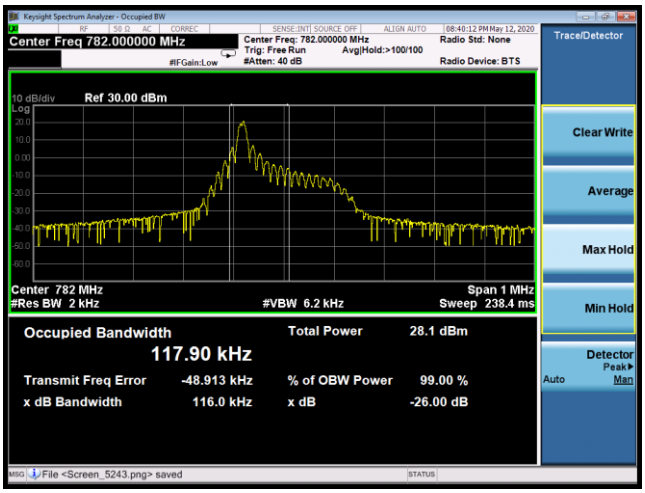


NB-IOT Band 13 QPSK 15KHz 1@0 CH-Low

NB-IOT Band 13 QPSK 3.75KHz 1@0 CH-Middle



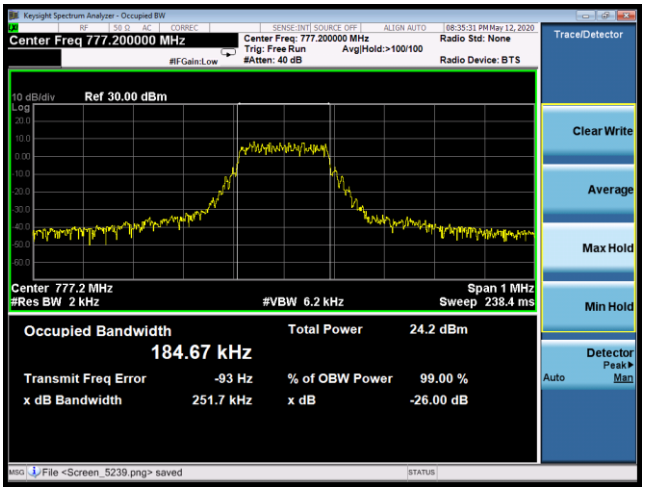
NB-IOT Band 13 QPSK 15KHz 1@0 CH-Middle



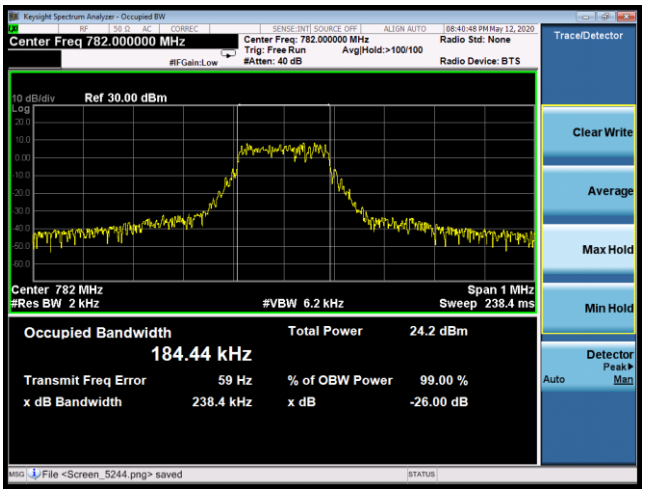
NB-IOT Band 13 QPSK 3.75KHz 1@0 CH-High

NB-IOT Band 13 QPSK 15KHz 1@0 CH-High

NB-IOT Band 13 QPSK 15KHz 12@0 CH-Low



NB-IOT Band 13 QPSK 15KHz 12@0 CH-Middle



NB-IOT Band 13 QPSK 15KHz 12@0 CH-High