

TEST REPORT

FCC LTE B26(Part90) Test for TM18FNNABM0
Certification

APPLICANT
LG Electronics Inc.

REPORT NO.
HCT-RF-2506-FC058

DATE OF ISSUE
June 17, 2025

Tested by
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Accredited by KOLAS, Republic of KOREA

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Applicant **LG Electronics Inc.**
128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea

Product Name
Model Name

Telematics
TM18FNNABM0

Date of Test
February 08, 2025 ~ June 17, 2025

Location of Test ☒ Permanent Testing Lab ☐ On Site Testing
(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

FCC ID
2BO3LTM18FNNABM0

FCC Classification:
PCS Licensed Transmitter (PCB)

Test Standard Used
FCC Rule Part: § 90, § 22

Test Results
PASS

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	June 17, 2025	Initial Release

Notice

Content

The measurements shown in this report were made in accordance with the procedures specified in CFR47 section § 2.947. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them.

HCT CO., LTD. Certifies that no party to this application has subject to a denial of Federal benefits that includes FCC benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1998, 21 U.S. C. 853(a)

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

CONTENTS

1. GENERAL INFORMATION	5
1.1 SUPPORTED BANDS PER ANTENNA PORT	6
1.2 MAXIMUM OUTPUT POWER.....	7
2. INTRODUCTION	8
2.1. DESCRIPTION OF EUT	8
2.2. MEASURING INSTRUMENT CALIBRATION	8
2.3. TEST FACILITY	8
3. DESCRIPTION OF TESTS	9
3.1 TEST PROCEDURE.....	9
3.2 CONDUCTED OUTPUT POWER.....	10
3.3 RADIATED POWER.....	11
3.4 RADIATED SPURIOUS EMISSIONS.....	13
3.5 OCCUPIED BANDWIDTH.....	14
3.6 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL	15
3.7 CHANNEL EDGE	16
3.8 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE	17
3.9 WORST CASE(RADIATED TEST)	18
3.10 WORST CASE(CONDUCTED TEST).....	19
4. LIST OF TEST EQUIPMENT.....	20
5. MEASUREMENT UNCERTAINTY	23
6. SUMMARY OF TEST RESULTS	24
7. SAMPLE CALCULATION.....	25
8. TEST DATA (MIMO1).....	27
8.1 CONDUCTED OUTPUT POWER.....	27
8.2 EFFECTIVE RADIATED POWER.....	32
8.3 RADIATED SPURIOUS EMISSIONS.....	34
8.4 OCCUPIED BANDWIDTH.....	35
8.5 CONDUCTED SPURIOUS EMISSIONS	36
8.6 CHANNEL EDGE.....	36
8.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE	37
8.8 STRADDLE CHANNEL.....	42
8.8.1 CONDUCTED OUTPUT POWER	42
8.8.2 EFFECTIVE RADIATED POWER.....	46
8.8.3 RADIATED SPURIOUS EMISSIONS.....	47
8.8.4 CONDUCTED SPURIOUS EMISSIONS.....	48
8.8.5 CHANNEL EDGE(Part90)	48
8.8.6 BAND EDGE(Part22)	48
9. TEST DATA (Internal(BUA)).....	49
9.1 EFFECTIVE RADIATED POWER.....	49
9.2 RADIATED SPURIOUS EMISSIONS.....	51
9.3 STRADDLE CHANNEL.....	52
9.3.1 EFFECTIVE RADIATED POWER.....	52
9.3.2 RADIATED SPURIOUS EMISSIONS.....	53
10. TEST PLOTS.....	54
11. TEST PLOTS (STRADDLE CHANNEL).....	103
12 ANNEX A_ TEST SETUP PHOTO	128

MEASUREMENT REPORT

1. GENERAL INFORMATION

Applicant Name:	LG Electronics Inc.
Address:	128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea
FCC ID:	2BO3LTM18FNNABM0
Application Type:	Certification
FCC Classification:	PCS Licensed Transmitter (PCB)
FCC Rule Part(s):	§ 90, § 22
EUT Type:	Telematics
Model(s):	TM18FNNABM0
Voltage:	4.2V
Tx Frequency:	814.7 MHz – 824.0 MHz (LTE – Band 26 (1.4 MHz)) 815.5 MHz – 824.0 MHz (LTE – Band 26 (3 MHz)) 816.5 MHz – 824.0 MHz (LTE – Band 26 (5 MHz)) 819.0 MHz – 824.0 MHz (LTE – Band 26 (10 MHz)) 821.5 MHz (LTE – Band 26 (15 MHz))
Date(s) of Tests:	February 08, 2025 ~ June 17, 2025
EUT Serial number:	Radiated : BMW ICON-25SF Radiated #6 Conducted : BMW ICON-25SF Conducted #5
Antenna Information	Please refer to the Antenna Specification document.

1.1 SUPPORTED BANDS PER ANTENNA PORT

Antenna Port	Supported bands
MIMO 1	- WCDMA: B2, 5 - LTE: B2, 4, 5, 7, 12, 13, 17, 25, 66, 26, 38, 42, 48, 71 - NR: n2, 5, 7, 12, 25, 41, 48, 66, 71, 77, 78
MIMO 2	- LTE: B42, 48 - NR: n48, 77, 78
MIMO 3	Only RX
MIMO 4	Only RX
Int. BUA (Back Up Antenna)	- WCDMA: B2, 5 - LTE: B2, 4, 5, 7, 25, 26, 38, 66 - NR: n2, 5, 7, 25, 41, 66

Note:

1. Since the Int. BUA uses the same antenna port as MIMO1, only radiated testing was performed.

1.2 MAXIMUM OUTPUT POWER

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	Conducted Output Power	
				Max. Power (W)	Max. Power (dBm)
LTE – Band26 (1.4)	814.7 – 824.0	1M10G7D	QPSK	0.246	23.91
		1M09W7D	16QAM	0.213	23.28
		1M09W7D	64QAM	0.163	22.12
		1M09W7D	256QAM	0.079	18.98
LTE – Band26 (3)	815.5 – 824.0	2M70G7D	QPSK	0.244	23.88
		2M69W7D	16QAM	0.210	23.23
		2M69W7D	64QAM	0.166	22.19
		2M70W7D	256QAM	0.079	18.97
LTE – Band26 (5)	816.5 – 824.0	4M50G7D	QPSK	0.247	23.93
		4M48W7D	16QAM	0.211	23.25
		4M49W7D	64QAM	0.166	22.20
		4M50W7D	256QAM	0.080	19.01
LTE – Band26 (10)	819.0 – 824.0	8M98G7D	QPSK	0.240	23.80
		8M96W7D	16QAM	0.207	23.15
		8M98W7D	64QAM	0.160	22.03
		8M95W7D	256QAM	0.078	18.92
LTE – Band26 (15)	821.5	13M4G7D	QPSK	0.248	23.95
		13M4W7D	16QAM	0.209	23.20
		13M4W7D	64QAM	0.164	22.14
		13M4W7D	256QAM	0.079	18.98

2. INTRODUCTION

2.1. DESCRIPTION OF EUT

Please refer to the [3G] Test Report.

2.2. MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

2.3. TEST FACILITY

The Fully-anechoic chamber and conducted measurement facility used to collect the radiated data are located at the **74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea**

3. DESCRIPTION OF TESTS

3.1 TEST PROCEDURE

Test Description	Test Procedure Used
Occupied Bandwidth	- KDB 971168 D01 v03r01 – Section 4.3 - ANSI C63.26-2015 – Section 5.4.4
Channel Edge	- KDB 971168 D01 v03r01 – Section 6.0 - ANSI C63.26-2015 – Section 5.7
Spurious and Harmonic Emissions at Antenna Terminal	- KDB 971168 D01 v03r01 – Section 6.0 - ANSI C63.26-2015 – Section 5.7
Conducted Output Power	- KDB 971168 D01 v03r01 - Section 5.2.4 - ANSI C63.26-2015 - Section 5.2.1 & 5.2.4.2
Frequency stability	- ANSI C63.26-2015 – Section 5.6
Radiated Power	- ANSI C63.26-2015 – Section 5.2.4.4 - KDB 971168 D01 v03r01 – Section 5.8
Radiated Spurious and Harmonic Emissions	- ANSI C63.26-2015 – Section 5.5.3 - KDB 971168 D01 v03r01 – Section 5.8

3.2 CONDUCTED OUTPUT POWER

Test Overview

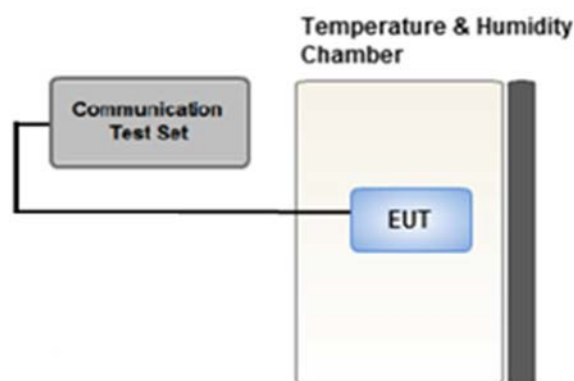
According to ANSI C63.26-2015 Section 5.2.1 when measuring the maximum RF output power from such devices, control over the EUT must be provided either through special test software (provided by manufacturer specifically for compliance testing, but not accessible by an end user) or through use of a base station emulator, communications test set, call box, or similar instrumentation that is capable of establishing a communications link with the EUT to enable control over variable parameters (e.g., output power, OBW, etc.).

In some cases, these instruments also include basic digital spectrum analyzer and/or power meter capabilities that can be utilized to measure the RF output power if the specified detectors and requirements can be realized and the measurement functions have been calibrated.

Test Procedure

1. The RF port of the EUT was connected to the Communication Tester via an RF cable.
2. Conducted average power was measured using a calibrated Radio Communication Tester.

Test setup



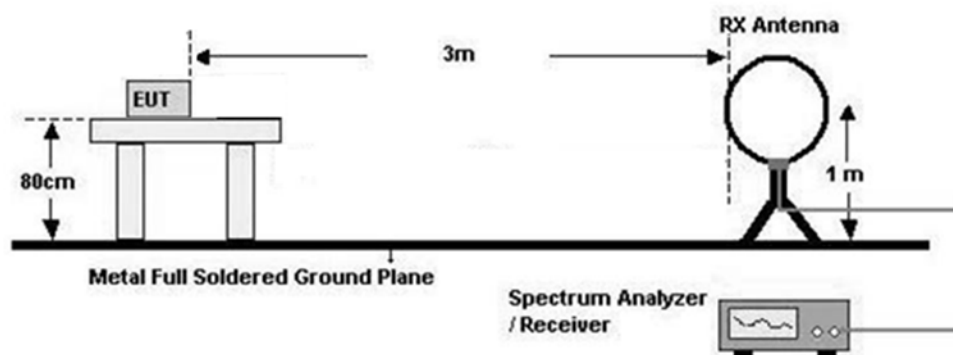
3.3 RADIATED POWER

Test Overview

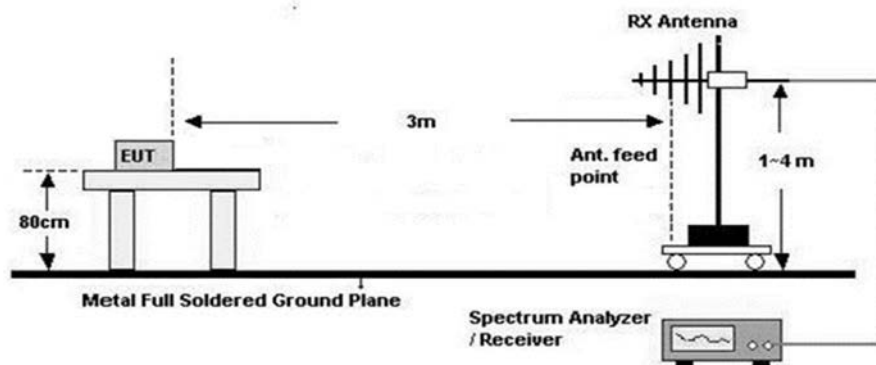
Radiated tests are performed in the semi-anechoic chamber. The equipment under test is placed on a non-conductive table on semi-anechoic chamber.

Test Configuration

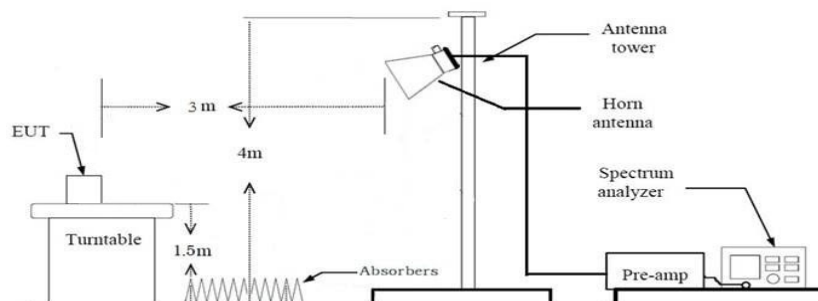
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5 % of the expected OBW, not to exceed 1 MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $> 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize

Test Note

1. The EUT is placed on a turntable, which is 0.8 m above ground plane. (Below 1 GHz)
2. The EUT is placed on a turntable, which is 1.5 m above ground plane. (Above 1 GHz)
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
5. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
6. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.
7. $\text{Total(dB}\mu\text{V/m)} = \text{Measured Value(dB}\mu\text{V)} + \text{Cable Loss(dB)} + \text{Antenna Factor(dB/m)} + \text{Distance Factor(D.F)}$
8. EIRP (dBm)
 $= \text{Total (dB}\mu\text{V/m)} + 20 \log D - 104.8$ (where D is the measurement distance in meters. D=3)
 $= \text{Total (dB}\mu\text{V/m)} - 95.2(\text{dB})$
9. $\text{ERP(dBm)} = \text{EIRP(dBm)} - 2.15(\text{dB})$

3.4 RADIATED SPURIOUS EMISSIONS

Test Overview

Radiated tests are performed in the Fully-anechoic chamber.

Radiated Spurious Emission Measurements at 3 meters by Substitution Method.

Test Settings

1. RBW = 100 kHz for emissions below 1 GHz and 1 MHz for emissions above 1 GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $> 2 \times$ span / RBW
5. Detector = Peak
6. Trace mode = Max Hold
7. The trace was allowed to stabilize
8. Test channel : Low/ Middle/ High
9. Frequency range : We are performed all frequency to 10th harmonics from 9 kHz.

Test Note

1. Measurements value show only up to 3 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
2. The EUT was tested in three orthogonal planes(X, Y, Z) and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the test data
3. For spurious emissions above 1 GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator and the previously recorded signal was duplicated. The spurious emissions is calculated by the following formula;

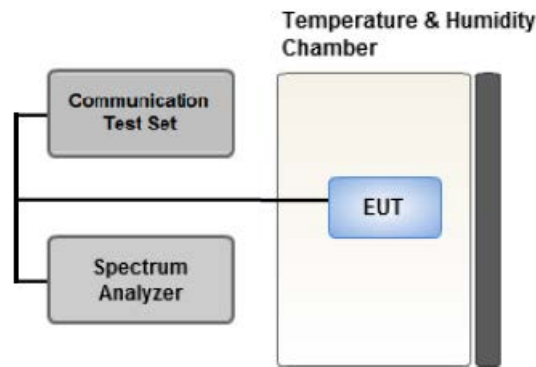
$$\text{Result}_{(\text{dBm})} = P_g_{(\text{dBm})} - \text{cable loss}_{(\text{dB})} + \text{antenna gain}_{(\text{dBi})}$$

Where: P_g is the generator output power into the substitution antenna.

If the fundamental frequency is below 1 GHz, RF output power has been converted to EIRP.

$$\text{EIRP}_{(\text{dBm})} = \text{ERP}_{(\text{dBm})} + 2.15$$

3.5 OCCUPIED BANDWIDTH.



Test setup

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

The EUT makes a call to the communication simulator.

The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

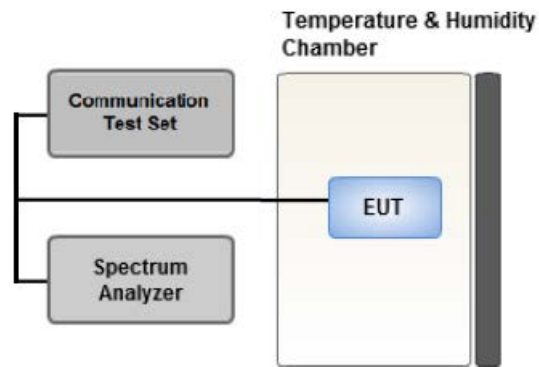
The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency.

Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth

Test Settings

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99 % occupied bandwidth and the 26 dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5 % of the expected OBW
3. VBW $\geq$ 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5 % of the 99 % occupied bandwidth observed in Step 7

3.6 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL



Test setup

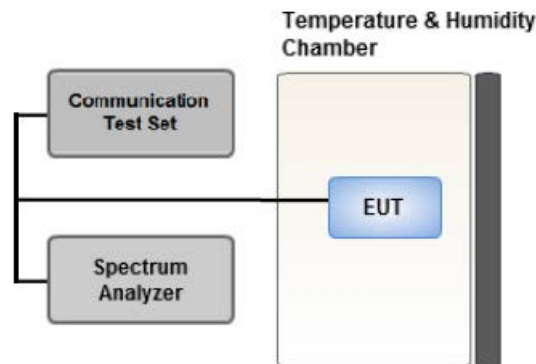
Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Settings

1. RBW = 1 MHz
2. VBW $\geq$ 3 MHz
3. Detector = Peak
4. Trace Mode = Max Hold
5. Sweep time = auto
6. Number of points in sweep $\geq 2 \times \text{Span} / \text{RBW}$

3.7 CHANNEL EDGE



Test setup

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Settings

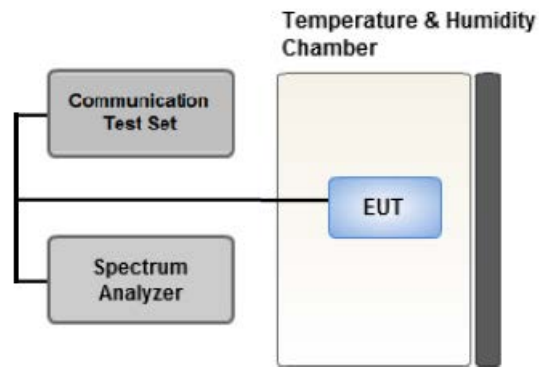
1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW :
 - . - EA licensee's frequency block by up to and including 37.5 kHz : 300 Hz
 - . - EA licensee's frequency block greater than 37.5 kHz : 100 kHz
4. VBW > 3 x RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span/RBW}$
7. Trace mode = trace average
8. Sweep time > Number of points in sweep $\times$ Symbol period
9. The trace was allowed to stabilize

Test Notes

For 90.691(a), RBW=300 Hz for offset less than 37.5 kHz from channel edge and RBW=100 kHz for offsets greater than 37.5 kHz is allowed.

Where Margin < 1 dB the emission level is either corrected by $10 \log(1 \text{ MHz/RB})$ or the emission is integrated over a 1 MHz bandwidth to determine the final result. When using the integration method the integration window is either centered on the emission or, for emissions at the band edge, centered by an offset of 500 kHz from the block edge so that the integration window is the 1 MHz adjacent to the block edge

3.8 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE



Test setup

Test Overview

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015.

The frequency stability of the transmitter is measured by:

1. Temperature:

The temperature is varied from -30 °C to +50 °C in 10 °C increments using an environmental chamber.

2. Primary Supply Voltage:

- . - Unless otherwise specified, vary primary supply voltage from 85 % to 115 % of the nominal value for other than hand carried battery equipment.
- . - For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20 °C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter.
Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10 °C intervals ranging from -30 °C to +50 °C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

3.9 WORST CASE(RADIATED TEST)

- The EUT was tested in three orthogonal planes(X, Y, Z) and in all possible test configurations and positioning.
- All modes of operation were investigated and the worst case configuration results are reported.
- In the case of radiated spurious emissions, all bandwidth of operation were investigated and the worst case bandwidth results are reported. (Worst case : 15 MHz)
- The worst case is reported with the EUT positioning, modulations, and paging service configurations shown in the test data.
- All modes of operation were tested and the worst case results are reported. Please refer to the table below.
- MIMO3 and MIMO4 have three types of Rx antennas. Operating modes were investigated for all Rx antennas, and the worst-case configuration results were reported.
(Worst-case: HKL antenna(Maximum gain: 5dBi))

[External(MIMO1) Worst case]

Test Description	Modulation	RB size	RB offset	Axis
Effective Radiated Power	QPSK, 16QAM, 64QAM, 256QAM	See Section 8.1		Z
Radiated Spurious and Harmonic Emissions	QPSK	See Section 8.2		Z

[Internal(BUA) Worst case]

Test Description	Modulation	RB size	RB offset	Axis
Effective Radiated Power	QPSK, 16QAM, 64QAM, 256QAM	See Section 9.1		Z
Radiated Spurious and Harmonic Emissions	QPSK	See Section 9.2		Z

3.10 WORST CASE(CONDUCTED TEST)

- Worst case : Of all modulation, We have tested modulation of the high Conducted Output Power.
- Both 85% and 115% conditions were measured for the Frequency Stability test, and results for the worst-case configuration (85%) were reported.
- In accordance with the customer's specification of 3.7V as the lowest operating voltage, testing was performed at 3.7V instead of 85% (3.57V).

[Worst case]

Test Description	Modulation	Bandwidth (MHz)	Frequency	RB size	RB offset
Occupied Bandwidth	QPSK, 16QAM, 64QAM, 256QAM	1.4, 3, 5	High	Full RB	0
	QPSK, 16QAM, 64QAM, 256QAM	10, 15	Mid	Full RB	0
Channel Edge	QPSK	1.4	Low	1	0
			High	1	5
		3	Low	1	0
			High	1	14
		5	Low	1	0
			High	1	24
		10	Mid	1	0
				1	49
		15	Mid	1	0
				1	74
		1.4, 3, 5	Low, High	Full RB	0
		10, 15	Mid	Full RB	0
Band Edge (Straddle Channel)	QPSK	1.4	Mid	1	5
		3	Mid	1	14
		5	Mid	1	24
		10	Mid	1	49
		1.4, 3, 5, 10	Mid	Full RB	0
Spurious and Harmonic Emissions at Antenna Terminal	QPSK	1.4, 3, 5	Low, High	1	0
		10, 15	Mid	1	0

4. LIST OF TEST EQUIPMENT

[Radiated]

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
RF Switch System	FBSR-04C(3G HPF+LNA)	TNM System	S4L1	03/12/2026	Annual
RF Switch System	FBSR-04C(7G HPF+LNA)	TNM System	S4L5	03/12/2026	Annual
RF Switch System	FBSR-04C(LNA)	TNM System	S4L4	03/12/2026	Annual
RF Switch System	FBSR-04C(Thru)	TNM System	S4L6	03/12/2026	Annual
Antenna Position Tower	MA4640	Innco systems	S4AM	08/07/2025	Annual
Turn Table	DS2000-S	Innco systems	N/A	N/A	-
Controller (Antenna mast & Turn Table)	CO3000	Innco systems	CO3000/1251/ 48920320/P	N/A	-
Amp & Filter Bank Switch Controller	FBSM-01B	TNM system	TM20090002	N/A	-
RF Switching System	Switch box(1 G HPF+LNA)	HCT CO., LTD.,	F2L2	12/12/2025	Annual
RF Switching System	Switch box(3 G HPF+LNA)	HCT CO., LTD.,	F2L3	12/12/2025	Annual
RF Switching System	Switch box(LNA)	HCT CO., LTD.,	F2L5	12/12/2025	Annual
RF Switching System	Switch box(6 G HPF+LNA)	HCT CO., LTD.,	F2L14	12/12/2025	Annual
HIGHPASS FILTER	WHKX10-900-1000-15000-40SS	WAINWRIGHT INSTRUMENTS	16	07/24/2025	Annual
LOW NOISE AMPLIFIER	310N	SONOMA Instrument	186169	02/05/2026	Annual
LOW NOISE AMPLIFIER	TK-PA1840H	TESTEK	170011-L	10/11/2025	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
Power Splitter(DC ~ 26.5 GHz)	11667B	Hewlett Packard	5001	04/10/2026	Annual
DC Power Supply	E3632A	Agilent	MY40010147	08/06/2025	Annual
Dipole Antenna	UHAP	Schwarzbeck	01274	03/10/2026	Biennial
Dipole Antenna	UHAP	Schwarzbeck	01288	08/07/2026	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	03197	11/28/2025	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	03201	11/28/2025	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120	Schwarzbeck	937	02/07/2027	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Spectrum Analyzer(10 Hz ~ 40 GHz)	FSV40	ROHDE & SCHWARZ	101733	09/19/2025	Annual
Spectrum Analyzer(10 Hz ~ 40 GHz)	FSV40	REOHDE & SCHWARZ	101436	02/04/2026	Annual
Signal & Spectrum Analyzer (2 Hz~67 GHz)	FSW67	REOHDE & SCHWARZ	101736	05/27/2026	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Loop Antenna(9 kHz ~ 30 MHz)	FMZB1513	Schwarzbeck	1513-333	03/07/2026	Biennial
Trilog Broadband Antenna	VULB 9168	Schwarzbeck	9168-0895	08/28/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	895	08/28/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	1135	08/19/2026	Biennial
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262287701	05/14/2026	Annual
Wideband Radio Communication Tester	MT8000A	Anritsu Corp.	6272613402	08/28/2025	Annual
SIGNAL GENERATOR (100 kHz ~ 40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	07/26/2025	Annual
Automation Software	FCC LTE Radiated	HCT CO., LTD	-	-	-
Automation Software	FCC NR Radiated	HCT CO., LTD	-	-	-

[Conducted]

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Power Splitter (DC ~ 26.5 GHz)	11667B	Hewlett Packard	5001	04/10/2026	Annual
DC Power Supply	E3632A	Agilent	MY40010147	08/06/2025	Annual
Chamber	SU-642	ESPEC	93008124	02/11/2026	Annual
ATTENUATOR (20 dB)	8493C	Hewlett Packard	17280	04/10/2026	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262094331	11/13/2025	Annual
UXM 5G Wireless Test Platform	E7515B	KEYSIGHT	MY60101126	02/10/2026	Annual
Signal Analyzer (2 Hz ~ 50.0 GHz)	N9030B	KEYSIGHT	MY56320554	02/03/2026	Annual
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.	-	-	-
Automation Software	FCC 2G/3G/4G Conducted	HCT CO., LTD	-	-	-
Automation Software	FCC NR Conducted	HCT CO., LTD	-	-	-

Note:

1. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
2. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).

5. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4:2014.

All measurement uncertainty values are shown with a coverage factor of $k=2$ to indicate a 95 % level of confidence. The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty ($\pm$ kHz)
Occupied Bandwidth	95 (Confidence level about 95 %, $k=2$)
Frequency stability	28 (Confidence level about 95 %, $k=2$)

Parameter	Expanded Uncertainty ($\pm$ dB)
Block Edge	0.70 (Confidence level about 95 %, $k=2$)
Conducted Spurious Emissions	1.18 (Confidence level about 95 %, $k=2$)
Peak- to- Average Ratio	0.68 (Confidence level about 95 %, $k=2$)
Radiated Power	4.74 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (9 kHz ~ 30 MHz)	4.36 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (30 MHz ~ 1 GHz)	5.68 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.75 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.82 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (Above 40 GHz)	5.58 (Confidence level about 95 %, $k=2$)

6. SUMMARY OF TEST RESULTS

-. The decision rule applies 'simple acceptance'

6.1 Test Condition : Conducted Test

Test Description	FCC Part Section(s)	Test Limit	Test Result
Occupied Bandwidth	§ 2.1049	N/A	PASS
Channel Edge / Spurious and Harmonic Emissions at Antenna Terminal.	§ 2.1051, § 90.691	< 50 + 10log10 (P[Watts]) at Band Edge and for all out-of-band emissions within 37.5 kHz of Block Edge	PASS
Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	§ 2.1051, § 22.917(a)	< 43 + 10log10 (P[Watts]) at Band Edge and for all out-of-band emissions	PASS
Conducted Output Power	§ 2.1046 § 90.635	< 100 Watts	PASS
Frequency stability / variation of ambient temperature	§ 2.1055, § 90.213 § 22.355	< 2.5 ppm	PASS

6.2 Test Condition : Radiated Test

Test Description	FCC Part Section(s)	Test Limit	Test Result
Effective Radiated Power	§ 22.913(a)(5)	< 7 Watts max. ERP (Only 15 MHz B.W)	PASS
Radiated Spurious and Harmonic Emissions	§ 2.1053, § 90.691 § 22.917(a)	< 43 + 10log10 (P[Watts]) for all out-of band emissions	PASS

7. SAMPLE CALCULATION

7.1 ERP Sample Calculation

Ch./Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBd)	C.L	Pol.	ERP	
channel	Freq.(MHz)						W	dBm
128	824.20	-21.37	38.40	-10.61	0.95	H	0.483	26.84

$$\text{ERP} = \text{Substitute LEVEL(dBm)} + \text{Ant. Gain} - \text{CL(Cable Loss)}$$

- 1) The EUT mounted on a non-conductive turntable is 2.5 meter above test site ground level.
- 2) During the test, the turn table is rotated until the maximum signal is found.
- 3) Record the field strength meter's level.
- 4) Replace the EUT with dipole/Horn antenna that is connected to a calibrated signal generator.
- 5) Increase the signal generator output till the field strength meter's level is equal to the item (3).
- 6) The signal generator output level with Ant. Gain and cable loss are the rating of effective radiated power.

7.2 EIRP Sample Calculation

Ch./Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	EIRP	
channel	Freq.(MHz)						W	dBm
20175	1,732.50	-15.75	18.45	9.90	1.76	H	0.456	26.59

$$\text{EIRP} = \text{Substitute LEVEL(dBm)} + \text{Ant. Gain} - \text{CL(Cable Loss)}$$

- 1) The EUT mounted on a non-conductive turntable is 2.5 meter above test site ground level.
- 2) During the test, the turn table is rotated until the maximum signal is found.
- 3) Record the field strength meter's level.
- 4) Replace the EUT with dipole/Horn antenna that is connected to a calibrated signal generator.
- 5) Increase the signal generator output till the field strength meter's level is equal to the item (3).
- 6) The signal generator output level with Ant. Gain and cable loss are the rating of equivalent isotropic radiated power.

7.3. Emission Designator

GSM Emission Designator

Emission Designator = 249KGXW
GSM BW = 249 kHz
G = Phase Modulation
X = Cases not otherwise covered
W = Combination (Audio/Data)

EDGE Emission Designator

Emission Designator = 249KG7W
GSM BW = 249 kHz
G = Phase Modulation
7 = Quantized/Digital Info
W = Combination (Audio/Data)

WCDMA Emission Designator

Emission Designator = 4M17F9W
WCDMA BW = 4.17 MHz
F = Frequency Modulation
9 = Composite Digital Info
W = Combination (Audio/Data)

QPSK Modulation

Emission Designator = 4M48G7D
LTE BW = 4.48 MHz
G = Phase Modulation
7 = Quantized/Digital Info
D = Data transmission; telemetry; telecommand

QAM Modulation

Emission Designator = 4M48W7D
LTE BW = 4.48 MHz
W = Amplitude/Angle Modulated
7 = Quantized/Digital Info
D = Data transmission; telemetry; telecommand

8. TEST DATA (MIMO1)

8.1 CONDUCTED OUTPUT POWER

Band Width	Modulation	RB Size	RB Offset	Max. output power(dBm)				Limit (W)
				814.7 MHz		823.3 MHz		
				dBm	W	dBm	W	
1.4	QPSK	1	0	23.79	0.239	23.91	0.246	100
		1	3	23.75	0.237	23.80	0.240	100
		1	5	23.73	0.236	23.84	0.242	100
		3	0	23.78	0.239	23.84	0.242	100
		3	1	23.75	0.237	23.83	0.241	100
		3	3	23.70	0.234	23.85	0.243	100
		6	0	22.80	0.191	22.78	0.190	100
	16QAM	1	0	23.19	0.208	23.20	0.209	100
		1	3	23.19	0.208	23.28	0.213	100
		1	5	23.15	0.207	23.15	0.206	100
		3	0	22.87	0.194	22.87	0.194	100
		3	1	22.88	0.194	22.93	0.196	100
		3	3	22.89	0.195	22.85	0.193	100
		6	0	21.75	0.150	21.86	0.154	100
	64QAM	1	0	21.94	0.156	21.94	0.156	100
		1	3	21.96	0.157	22.12	0.163	100
		1	5	21.96	0.157	21.91	0.155	100
		3	0	21.86	0.153	21.89	0.154	100
		3	1	21.83	0.152	21.90	0.155	100
		3	3	21.78	0.151	21.78	0.151	100
		6	0	20.76	0.119	20.80	0.120	100
	256QAM	1	0	18.88	0.077	18.97	0.079	100
		1	3	18.90	0.078	18.97	0.079	100
		1	5	18.78	0.076	18.88	0.077	100
		3	0	18.98	0.079	18.89	0.077	100
		3	1	18.92	0.078	18.93	0.078	100
		3	3	18.86	0.077	18.93	0.078	100
		6	0	18.80	0.076	18.83	0.076	100

Band Width	Modulation	RB Size	RB Offset	Max. output power(dBm)				Limit (W)
				815.5 MHz		822.5 MHz		
				dBm	W	dBm	W	
3	QPSK	1	0	23.86	0.243	23.80	0.240	100
		1	7	23.80	0.240	23.88	0.244	100
		1	14	23.78	0.239	23.74	0.237	100
		8	0	22.72	0.187	22.84	0.192	100
		8	3	22.73	0.187	22.87	0.193	100
		8	7	22.68	0.185	22.81	0.191	100
		15	0	22.72	0.187	22.78	0.190	100
	16QAM	1	0	23.14	0.206	23.23	0.210	100
		1	7	23.08	0.203	23.09	0.204	100
		1	14	22.91	0.195	23.04	0.201	100
		8	0	21.83	0.152	22.00	0.159	100
		8	3	21.82	0.152	21.86	0.153	100
		8	7	21.83	0.152	21.89	0.154	100
		15	0	21.63	0.146	21.84	0.153	100
	64QAM	1	0	21.98	0.158	21.99	0.158	100
		1	7	21.95	0.157	22.19	0.166	100
		1	14	21.94	0.156	21.87	0.154	100
		8	0	20.76	0.119	20.82	0.121	100
		8	3	20.73	0.118	20.77	0.119	100
		8	7	20.76	0.119	20.82	0.121	100
		15	0	20.72	0.118	20.81	0.121	100
	256QAM	1	0	18.97	0.079	18.86	0.077	100
		1	7	18.82	0.076	18.90	0.078	100
		1	14	18.86	0.077	18.87	0.077	100
		8	0	18.76	0.075	18.84	0.077	100
		8	3	18.78	0.076	18.72	0.075	100
		8	7	18.77	0.075	18.78	0.075	100
		15	0	18.79	0.076	18.90	0.078	100

Band Width	Modulation	RB Size	RB Offset	Max. output power(dBm)				Limit (W)
				816.5 MHz		821.5 MHz		
				dBm	W	dBm	W	
5	QPSK	1	0	23.81	0.240	23.77	0.238	100
		1	12	23.76	0.238	23.93	0.247	100
		1	24	23.82	0.241	23.71	0.235	100
		12	0	22.67	0.185	22.73	0.187	100
		12	6	22.78	0.190	22.85	0.193	100
		12	11	22.78	0.190	22.78	0.190	100
		25	0	22.81	0.191	22.86	0.193	100
	16QAM	1	0	23.23	0.210	23.23	0.210	100
		1	12	23.11	0.205	23.25	0.211	100
		1	24	23.06	0.202	23.21	0.209	100
		12	0	21.79	0.151	21.81	0.152	100
		12	6	21.82	0.152	21.88	0.154	100
		12	11	21.79	0.151	21.87	0.154	100
		25	0	21.72	0.149	21.78	0.151	100
	64QAM	1	0	22.09	0.162	21.89	0.154	100
		1	12	21.91	0.155	22.20	0.166	100
		1	24	21.84	0.153	21.86	0.153	100
		12	0	20.70	0.117	20.80	0.120	100
		12	6	20.81	0.121	20.84	0.121	100
		12	11	20.72	0.118	20.78	0.120	100
		25	0	20.71	0.118	20.80	0.120	100
	256QAM	1	0	18.95	0.079	18.98	0.079	100
		1	12	18.79	0.076	19.01	0.080	100
		1	24	18.88	0.077	18.96	0.079	100
		12	0	18.73	0.075	18.74	0.075	100
		12	6	18.79	0.076	18.80	0.076	100
		12	11	18.76	0.075	18.81	0.076	100
		25	0	18.79	0.076	18.85	0.077	100

Band Width	Modulation	RB Size	RB Offset	Max. output power(dBm)		Limit (W)
				819 MHz		
				dBm	W	
10	QPSK	1	0	23.77	0.238	100
		1	24	23.80	0.240	100
		1	49	23.73	0.236	100
		25	0	22.74	0.188	100
		25	12	22.71	0.187	100
		25	24	22.66	0.184	100
		50	0	22.69	0.186	100
	16QAM	1	0	23.04	0.201	100
		1	24	23.15	0.207	100
		1	49	23.02	0.201	100
		25	0	21.71	0.148	100
		25	12	21.74	0.149	100
		25	24	21.55	0.143	100
		50	0	21.65	0.146	100
	64QAM	1	0	22.03	0.160	100
		1	24	21.97	0.157	100
		1	49	21.83	0.153	100
		25	0	20.63	0.116	100
		25	12	20.74	0.118	100
		25	24	20.55	0.114	100
		50	0	20.73	0.118	100
	256QAM	1	0	18.88	0.077	100
		1	24	18.92	0.078	100
		1	49	18.88	0.077	100
		25	0	18.75	0.075	100
		25	12	18.83	0.076	100
		25	24	18.67	0.074	100
		50	0	18.71	0.074	100

Band Width	Modulation	RB Size	RB Offset	Max. output power(dBm)		Limit (W)
				821.5 MHz		
				dBm	W	
15	QPSK	1	0	23.78	0.239	100
		1	36	23.95	0.248	100
		1	74	23.76	0.237	100
		36	0	22.85	0.193	100
		36	18	22.84	0.192	100
		36	39	22.85	0.193	100
		75	0	22.77	0.189	100
	16QAM	1	0	22.99	0.199	100
		1	36	23.20	0.209	100
		1	74	23.03	0.201	100
		36	0	21.85	0.153	100
		36	18	21.78	0.151	100
		36	39	21.82	0.152	100
		75	0	21.72	0.149	100
	64QAM	1	0	21.92	0.156	100
		1	36	22.14	0.164	100
		1	74	22.00	0.159	100
		36	0	20.84	0.121	100
		36	18	20.78	0.120	100
		36	39	20.76	0.119	100
		75	0	20.77	0.119	100
	256QAM	1	0	18.85	0.077	100
		1	36	18.98	0.079	100
		1	74	18.93	0.078	100
		36	0	18.81	0.076	100
		36	18	18.75	0.075	100
		36	39	18.86	0.077	100
		75	0	18.86	0.077	100

8.2 EFFECTIVE RADIATED POWER

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
814.7	LTE B26/ 1.4 MHz	QPSK	90.73	30.04	2.58	123.35	H	< 100	0.398	26.00	1	3
		16QAM	90.23	30.04	2.58	122.85	H		0.355	25.50		
		64QAM	88.85	30.04	2.58	121.47	H		0.258	24.12		
		256QAM	85.87	30.04	2.58	118.49	H		0.130	21.14		
823.3		QPSK	91.36	30.04	2.63	124.03	H		0.466	26.68	1	0
		16QAM	90.76	30.04	2.63	123.43	H		0.405	26.08		
		64QAM	89.59	30.04	2.63	122.26	H		0.310	24.91		
		256QAM	86.45	30.04	2.63	119.12	H		0.150	21.77		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
815.5	LTE B26/ 3 MHz	QPSK	91.02	30.04	2.58	123.64	H	< 100	0.426	26.29	1	14
		16QAM	90.19	30.04	2.58	122.81	H		0.352	25.46		
		64QAM	88.96	30.04	2.58	121.58	H		0.265	24.23		
		256QAM	85.83	30.04	2.58	118.45	H		0.129	21.10		
822.5		QPSK	91.49	30.04	2.63	124.16	H		0.480	26.81	1	14
		16QAM	90.71	30.04	2.63	123.38	H		0.401	26.03		
		64QAM	89.66	30.04	2.63	122.33	H		0.315	24.98		
		256QAM	86.45	30.04	2.63	119.12	H		0.150	21.77		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
816.5	LTE B26/ 5 MHz	QPSK	91.00	30.04	2.58	123.62	H	< 100	0.423	26.27	1	24
		16QAM	90.48	30.04	2.58	123.10	H		0.376	25.75		
		64QAM	89.02	30.04	2.58	121.64	H		0.269	24.29		
		256QAM	86.14	30.04	2.58	118.76	H		0.139	21.41		
821.5		QPSK	91.52	30.04	2.63	124.19	H		0.484	26.84	1	24
		16QAM	90.79	30.04	2.63	123.46	H		0.408	26.11		
		64QAM	89.68	30.04	2.63	122.35	H		0.316	25.00		
		256QAM	86.51	30.04	2.63	119.18	H		0.152	21.83		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
819.0	LTE B26/ 10 MHz	QPSK	91.36	30.04	2.59	123.99	H	< 100	0.461	26.64	1	49
		16QAM	90.85	30.04	2.59	123.48	H		0.410	26.13		
		64QAM	89.49	30.04	2.59	122.12	H		0.300	24.77		
		256QAM	86.53	30.04	2.59	119.16	H		0.152	21.81		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
821.5	LTE B26/ 15 MHz	QPSK	91.63	30.04	2.59	124.26	H	< 7.00	0.491	26.91	1	74
		16QAM	91.45	30.04	2.59	124.08	H		0.471	26.73		
		64QAM	90.12	30.04	2.59	122.75	H		0.347	25.40		
		256QAM	86.98	30.04	2.59	119.61	H		0.168	22.26		

Note

1. Limit: None (for reporting purposes only)

8.3 RADIATED SPURIOUS EMISSIONS

☐ MODE: LTE B26
☐ MODULATION SIGNAL: 15 MHz QPSK
☐ DISTANCE: 3 meters

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit	Size	
									Size	Offset
26765 (821.5)	1 643.00	-51.91	9.39	-66.75	2.00	H	-59.36	-13.00	1	74
	2 464.50	-52.89	10.37	-64.05	2.59	H	-56.27	-13.00		
	3 286.00	-52.53	10.98	-60.64	2.95	H	-52.61	-13.00		
	4 107.50	-53.84	11.63	-60.16	3.33	V	-51.86	-13.00		
	4 929.00	-55.66	11.31	-57.32	3.64	V	-49.65	-13.00		

8.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Band 26	1.4 MHz	823.3	QPSK	6	0	1.0949
			16QAM			1.0895
			64QAM			1.0924
			256QAM			1.0907
	3 MHz	822.5	QPSK	15		2.6983
			16QAM			2.6911
			64QAM			2.6934
			256QAM			2.6963
	5 MHz	821.5	QPSK	25		4.4976
			16QAM			4.4802
			64QAM			4.4935
			256QAM			4.4997
	10 MHz	819.0	QPSK	50		8.9835
			16QAM			8.9593
			64QAM			8.9782
			256QAM			8.9523
	15 MHz	821.5	QPSK	75		13.412
			16QAM			13.425
			64QAM			13.408
			256QAM			13.404

Note:

1. Plots of the EUT's Occupied Bandwidth are shown Page 55 ~ 74.

8.5 CONDUCTED SPURIOUS EMISSIONS

Band	Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Limit (dBm)
26	1.4	814.7	3.7688	29.320	-55.485	-26.165	-13.00
		823.3	8.2852	29.910	-56.604	-26.694	
	3	815.5	5.2643	29.910	-57.542	-27.632	
		822.5	6.9392	29.910	-56.853	-26.943	
	5	816.5	9.7508	29.910	-57.190	-27.280	
		821.5	3.7488	29.320	-54.530	-25.210	
	10	819.0	3.7488	29.320	-56.388	-27.068	
	15	821.5	6.0619	29.910	-56.198	-26.288	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 75 ~ 82.
2. Conducted Spurious Emissions was Tested QPSK Modulation, Resource Block Size 1 and Resource Block Offset 0
3. Result (dBm) = Measurement Maximum Data (dBm) + Factor (dB)
4. Factor (dB) = Cable Loss + Ext. Attenuator + Power Splitter

Frequency Range (GHz)	Factor [dB]
0.03 – 1	27.250
1 – 5	29.320
5 – 10	29.910
10 – 15	30.530
15 – 20	31.840
Above 20(26.5)	32.520

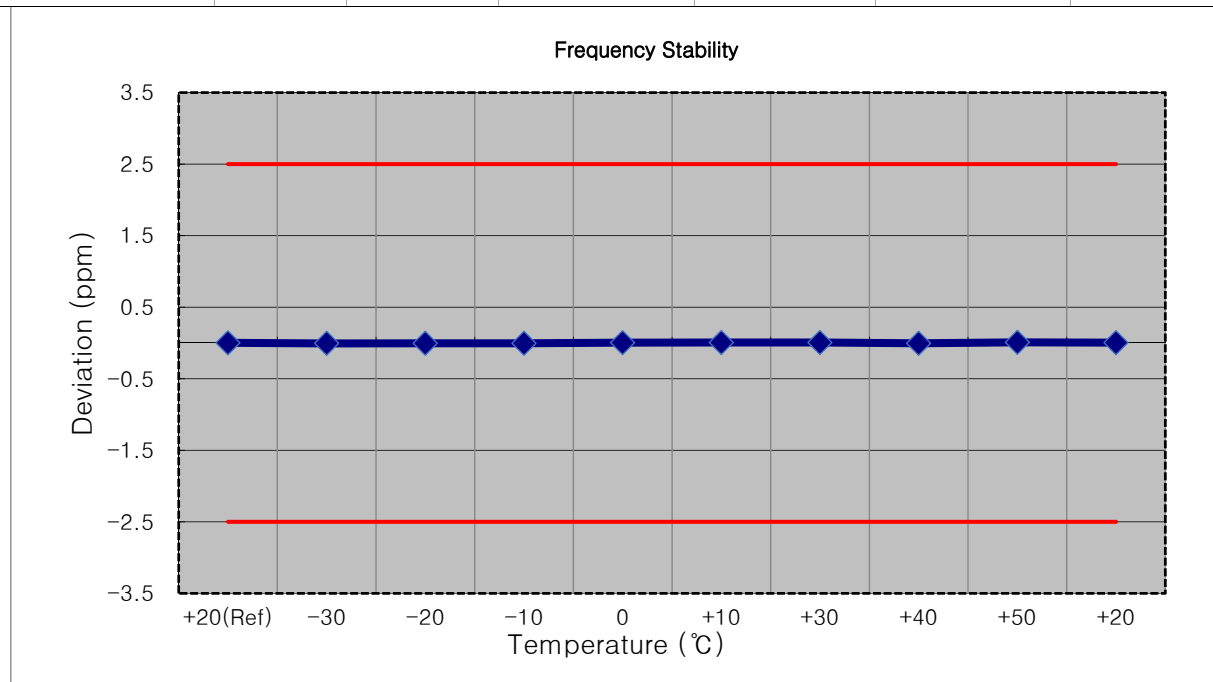
8.6 CHANNEL EDGE

- Plots of the EUT's Band Edge are shown Page 83 ~ 102.

8.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

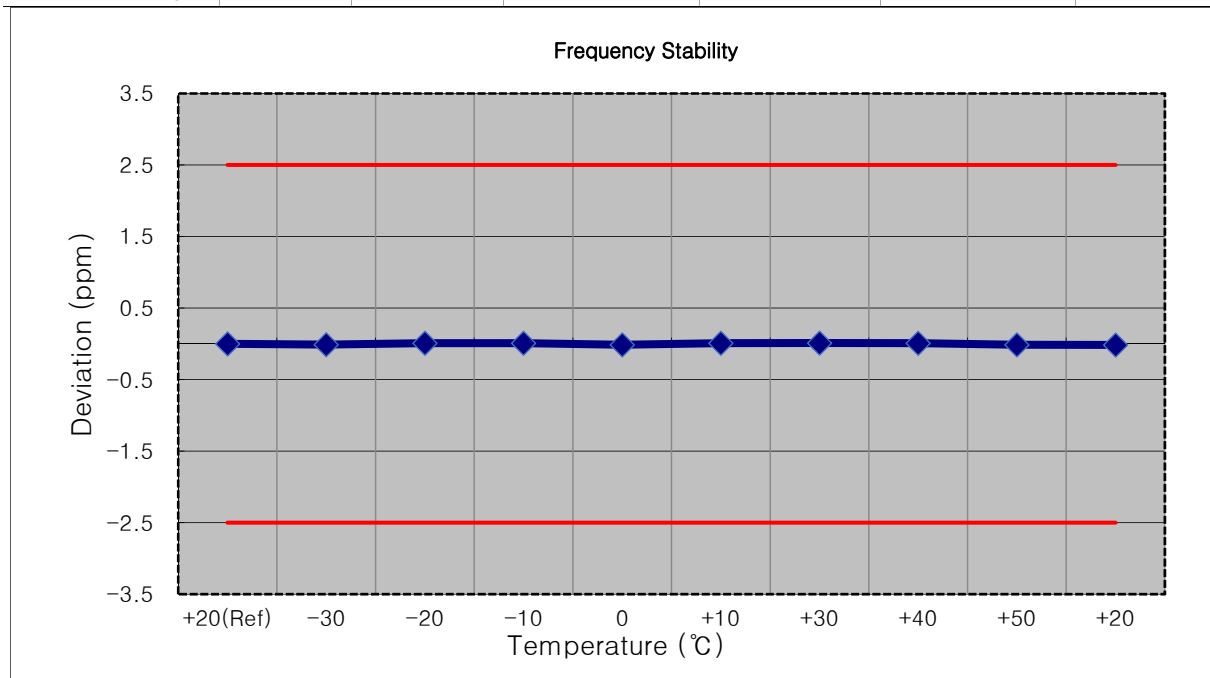
MODE:	<u>LTE 26</u>
OPERATING FREQUENCY:	<u>814,700,000 Hz</u>
CHANNEL:	<u>26697(1.4 MHz)</u>
REFERENCE VOLTAGE:	<u>4.200 VDC</u>
DEVIATION LIMIT:	<u>± 0.000 25 % or 2.5 ppm</u>

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
100 %	4.200	+20(Ref)	823 300 005	0.0	0.000 000	0.000
100 %		-30	823 299 999	-5.7	-0.000 001	-0.007
100 %		-20	823 300 001	-4.4	-0.000 001	-0.005
100 %		-10	823 300 001	-4.3	-0.000 001	-0.005
100 %		0	823 300 008	2.9	0.000 000	0.004
100 %		+10	823 300 009	4.0	0.000 000	0.005
100 %		+30	823 300 010	4.9	0.000 001	0.006
100 %		+40	823 299 999	-5.5	-0.000 001	-0.007
100 %		+50	823 300 011	6.3	0.000 001	0.008
Lowest voltage	3.700	+20	823 300 008	3.4	0.000 000	0.004



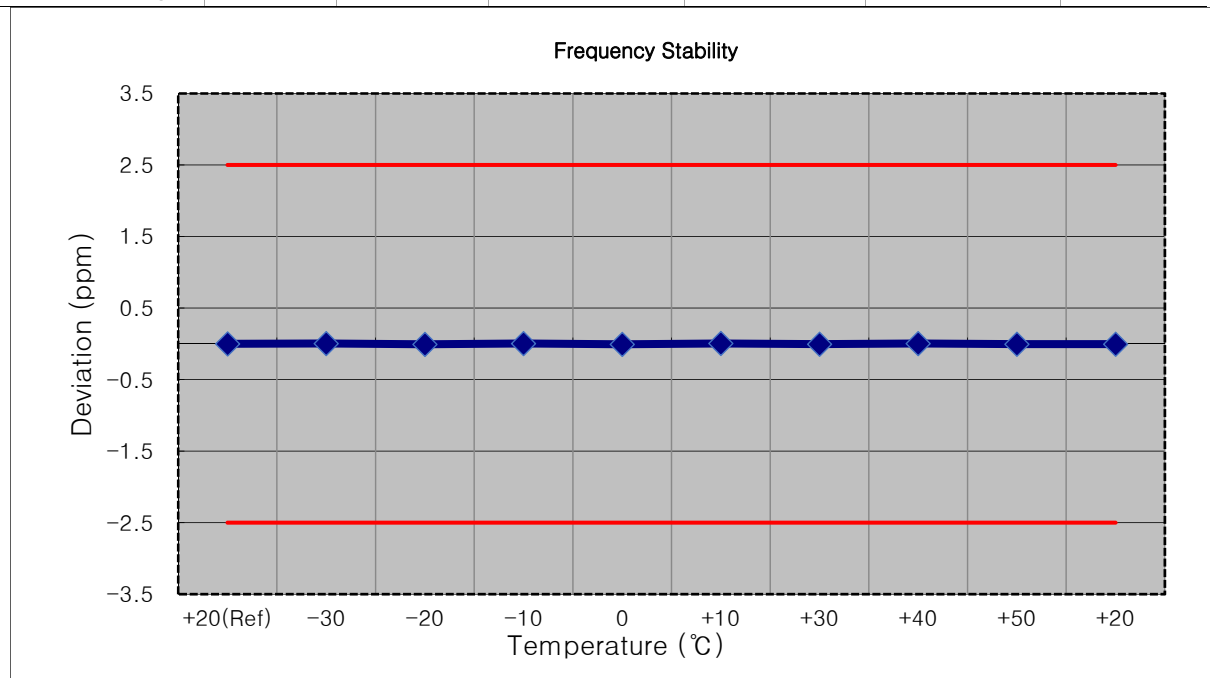
MODE:	<u>LTE 26</u>
OPERATING FREQUENCY:	<u>815,500,000 Hz</u>
CHANNEL:	<u>26705(3 MHz)</u>
REFERENCE VOLTAGE:	<u>4.200 VDC</u>
DEVIATION LIMIT:	<u>± 0.000 25 % or 2.5 ppm</u>

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
100 %	4.200	+20(Ref)	822 500 009	0.0	0.000 000	0.000
100 %		-30	822 500 000	-8.9	-0.000 001	-0.011
100 %		-20	822 500 016	7.4	0.000 001	0.009
100 %		-10	822 500 017	8.0	0.000 001	0.010
100 %		0	822 499 997	-11.6	-0.000 001	-0.014
100 %		+10	822 500 017	7.9	0.000 001	0.010
100 %		+30	822 500 018	9.2	0.000 001	0.011
100 %		+40	822 500 017	7.7	0.000 001	0.009
100 %		+50	822 499 998	-10.9	-0.000 001	-0.013
Lowest voltage	3.700	+20	822 499 997	-12.3	-0.000 001	-0.015



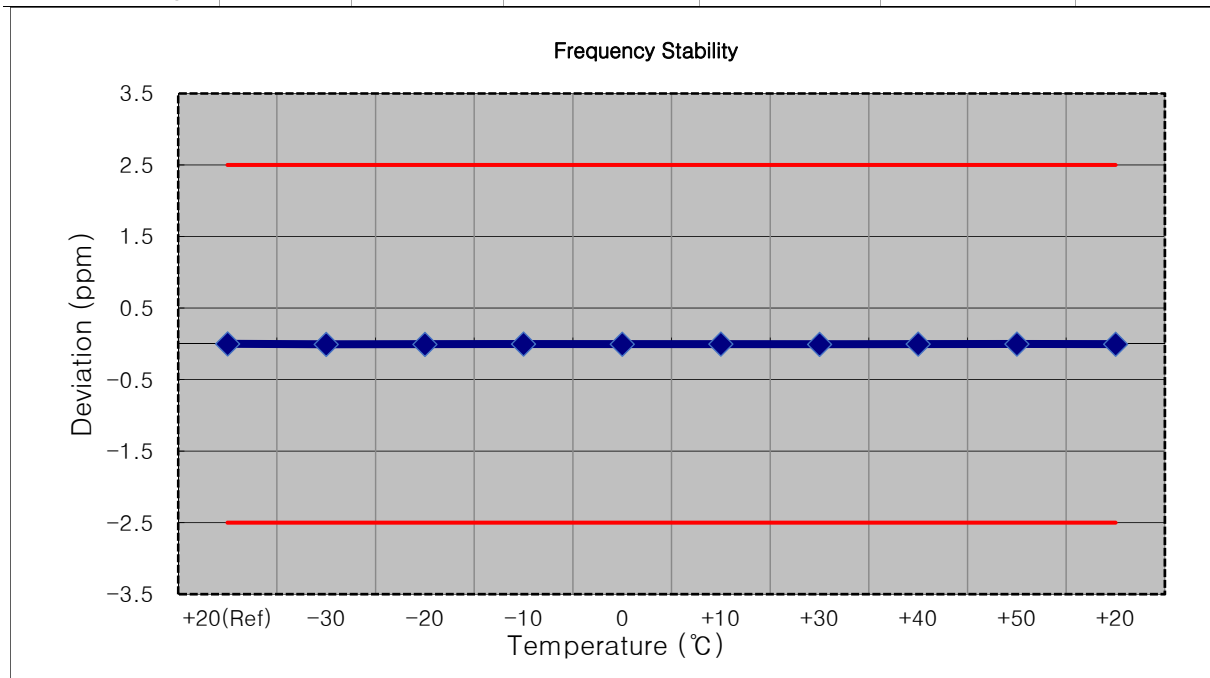
MODE:	<u>LTE 26</u>
OPERATING FREQUENCY:	<u>816,500,000 Hz</u>
CHANNEL:	<u>26715(5 MHz)</u>
REFERENCE VOLTAGE:	<u>4.200 VDC</u>
DEVIATION LIMIT:	<u>± 0.000 25 % or 2.5 ppm</u>

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
100 %	4.200	+20(Ref)	821 499 994	0.0	0.000 000	0.000
100 %		-30	821 499 998	4.0	0.000 000	0.005
100 %		-20	821 499 989	-4.8	-0.000 001	-0.006
100 %		-10	821 499 997	3.2	0.000 000	0.004
100 %		0	821 499 989	-4.9	-0.000 001	-0.006
100 %		+10	821 499 998	4.5	0.000 001	0.005
100 %		+30	821 499 991	-3.1	0.000 000	-0.004
100 %		+40	821 499 998	4.3	0.000 001	0.005
100 %		+50	821 499 989	-4.5	-0.000 001	-0.005
Lowest voltage	3.700	+20	821 499 990	-3.3	0.000 000	-0.004



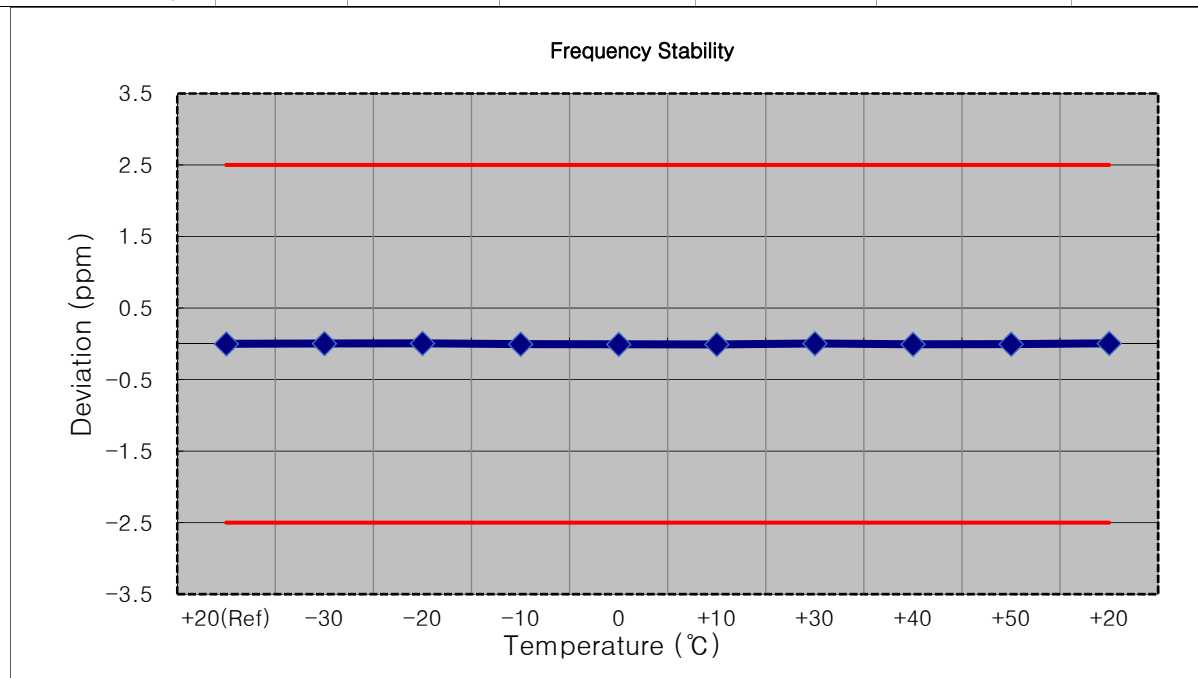
MODE:	<u>LTE 26</u>
OPERATING FREQUENCY:	<u>819,000,000 Hz</u>
CHANNEL:	<u>26740(10 MHz)</u>
REFERENCE VOLTAGE:	<u>4.200 VDC</u>
DEVIATION LIMIT:	<u>± 0.000 25 % or 2.5 ppm</u>

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
100 %	4.200	+20(Ref)	818 999 996	0.0	0.000 000	0.000
100 %		-30	818 999 991	-4.9	-0.000 001	-0.006
100 %		-20	818 999 991	-4.9	-0.000 001	-0.006
100 %		-10	818 999 994	-2.8	0.000 000	-0.003
100 %		0	818 999 993	-3.6	0.000 000	-0.004
100 %		+10	818 999 994	-2.8	0.000 000	-0.003
100 %		+30	818 999 990	-5.9	-0.000 001	-0.007
100 %		+40	818 999 994	-2.5	0.000 000	-0.003
100 %		+50	818 999 994	-2.6	0.000 000	-0.003
Lowest voltage	3.700	+20	818 999 993	-3.1	0.000 000	-0.004



MODE:	<u>LTE 26</u>
OPERATING FREQUENCY:	<u>821,500,000 Hz</u>
CHANNEL:	<u>26765(15 MHz)</u>
REFERENCE VOLTAGE:	<u>4.200 VDC</u>
DEVIATION LIMIT:	$\pm 0.000\ 25\ \%$ or 2.5 ppm

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
100 %	4.200	+20(Ref)	821 500 005	0.0	0.000 000	0.000
100 %		-30	821 500 009	4.1	0.000 000	0.005
100 %		-20	821 500 010	5.4	0.000 001	0.007
100 %		-10	821 500 000	-4.5	-0.000 001	-0.005
100 %		0	821 499 999	-5.8	-0.000 001	-0.007
100 %		+10	821 499 998	-6.4	-0.000 001	-0.008
100 %		+30	821 500 008	3.0	0.000 000	0.004
100 %		+40	821 500 000	-5.0	-0.000 001	-0.006
100 %		+50	821 500 001	-4.1	0.000 000	-0.005
Lowest voltage	3.700	+20	821 500 010	5.0	0.000 001	0.006



8.8 STRADDLE CHANNEL

8.8.1 CONDUCTED OUTPUT POWER

Band Width	Modulation	RB Size	RB Offset	Max. output power(dBm)		Limit (W)
				824 MHz		
				dBm	W	
1.4	QPSK	1	0	23.04	0.201	100
		1	3	22.91	0.195	100
		1	5	22.75	0.189	100
		3	0	22.69	0.186	100
		3	1	22.91	0.195	100
		3	3	22.85	0.193	100
		6	0	21.96	0.157	100
	16QAM	1	0	22.34	0.171	100
		1	3	22.16	0.164	100
		1	5	22.10	0.162	100
		3	0	21.90	0.155	100
		3	1	21.98	0.158	100
		3	3	22.02	0.159	100
		6	0	21.09	0.129	100
	64QAM	1	0	21.09	0.129	100
		1	3	21.16	0.131	100
		1	5	21.00	0.126	100
		3	0	20.79	0.120	100
		3	1	20.93	0.124	100
		3	3	20.87	0.122	100
		6	0	19.92	0.098	100
	256QAM	1	0	18.07	0.064	100
		1	3	17.97	0.063	100
		1	5	18.05	0.064	100
		3	0	18.01	0.063	100
		3	1	17.96	0.063	100
		3	3	17.99	0.063	100
		6	0	17.79	0.060	100

Band Width	Modulation	RB Size	RB Offset	Max. output power(dBm)		Limit (W)
				824 MHz		
				dBm	W	
3	QPSK	1	0	22.79	0.190	100
		1	7	22.76	0.189	100
		1	14	22.88	0.194	100
		8	0	21.89	0.155	100
		8	3	21.98	0.158	100
		8	7	21.79	0.151	100
		15	0	21.89	0.155	100
	16QAM	1	0	22.39	0.173	100
		1	7	22.38	0.173	100
		1	14	22.14	0.164	100
		8	0	21.04	0.127	100
		8	3	20.79	0.120	100
		8	7	20.80	0.120	100
		15	0	20.77	0.120	100
	64QAM	1	0	21.14	0.130	100
		1	7	21.28	0.134	100
		1	14	21.08	0.128	100
		8	0	20.12	0.103	100
		8	3	20.02	0.101	100
		8	7	19.89	0.098	100
		15	0	19.99	0.100	100
	256QAM	1	0	17.73	0.059	100
		1	7	18.10	0.065	100
		1	14	17.97	0.063	100
		8	0	18.12	0.065	100
		8	3	17.78	0.060	100
		8	7	18.00	0.063	100
		15	0	17.91	0.062	100

Band Width	Modulation	RB Size	RB Offset	Max. output power(dBm)		Limit (W)
				824 MHz		
				dBm	W	
5	QPSK	1	0	23.03	0.201	100
		1	12	23.00	0.199	100
		1	24	22.68	0.185	100
		12	0	21.91	0.155	100
		12	6	21.84	0.153	100
		12	11	21.76	0.150	100
		25	0	21.98	0.158	100
	16QAM	1	0	22.39	0.174	100
		1	12	22.38	0.173	100
		1	24	22.08	0.161	100
		12	0	21.24	0.133	100
		12	6	21.08	0.128	100
		12	11	20.91	0.123	100
		25	0	20.82	0.121	100
	64QAM	1	0	21.04	0.127	100
		1	12	21.24	0.133	100
		1	24	20.87	0.122	100
		12	0	20.02	0.101	100
		12	6	19.95	0.099	100
		12	11	20.05	0.101	100
		25	0	19.99	0.100	100
	256QAM	1	0	17.93	0.062	100
		1	12	18.08	0.064	100
		1	24	18.08	0.064	100
		12	0	18.08	0.064	100
		12	6	17.77	0.060	100
		12	11	17.69	0.059	100
		25	0	17.87	0.061	100

Band Width	Modulation	RB Size	RB Offset	Max. output power(dBm)		Limit (W)
				824 MHz		
				dBm	W	
10	QPSK	1	0	23.03	0.201	100
		1	24	22.88	0.194	100
		1	49	22.91	0.195	100
		25	0	21.87	0.154	100
		25	12	21.87	0.154	100
		25	24	21.88	0.154	100
		50	0	22.02	0.159	100
	16QAM	1	0	22.57	0.181	100
		1	24	22.54	0.180	100
		1	49	22.27	0.169	100
		25	0	21.30	0.135	100
		25	12	21.05	0.127	100
		25	24	20.97	0.125	100
		50	0	21.05	0.127	100
	64QAM	1	0	21.36	0.137	100
		1	24	21.27	0.134	100
		1	49	21.03	0.127	100
		25	0	20.06	0.101	100
		25	12	19.88	0.097	100
		25	24	20.05	0.101	100
		50	0	19.97	0.099	100
	256QAM	1	0	18.43	0.070	100
		1	24	18.07	0.064	100
		1	49	17.91	0.062	100
		25	0	18.09	0.064	100
		25	12	18.15	0.065	100
		25	24	17.93	0.062	100
		50	0	17.95	0.062	100

8.8.2 EFFECTIVE RADIATED POWER

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
824.0	LTE B26/ 1.4 MHz	QPSK	91.28	30.04	2.63	123.95	H	< 7.00	0.457	26.60	1	0
		16QAM	90.73	30.04	2.63	123.40	H		0.402	26.05		
		64QAM	89.50	30.04	2.63	122.17	H		0.303	24.82		
		256QAM	86.60	30.04	2.63	119.27	H		0.156	21.92		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
824.0	LTE B26/ 3 MHz	QPSK	91.68	30.04	2.63	124.35	H	< 7.00	0.501	27.00	1	14
		16QAM	90.93	30.04	2.63	123.60	H		0.422	26.25		
		64QAM	89.96	30.04	2.63	122.63	H		0.338	25.28		
		256QAM	86.82	30.04	2.63	119.49	H		0.164	22.14		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
824.0	LTE B26/ 5 MHz	QPSK	91.57	30.04	2.63	124.24	H	< 7.00	0.488	26.89	1	13
		16QAM	90.81	30.04	2.63	123.48	H		0.410	26.13		
		64QAM	89.74	30.04	2.63	122.41	H		0.321	25.06		
		256QAM	86.68	30.04	2.63	119.35	H		0.158	22.00		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
824.0	LTE B26/ 10 MHz	QPSK	91.51	30.04	2.63	124.18	H	< 7.00	0.482	26.83	1	25
		16QAM	90.72	30.04	2.63	123.39	H		0.402	26.04		
		64QAM	89.66	30.04	2.63	122.33	H		0.315	24.98		
		256QAM	86.73	30.04	2.63	119.40	H		0.160	22.05		

8.8.3 RADIATED SPURIOUS EMISSIONS

☐ MODE: LTE B26(Straddle)
☐ MODULATION SIGNAL: 3 MHz QPSK
☐ DISTANCE: 3 meters

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit	RB	
									Size	Offset
26790 (824.0)	1 648.00	-51.09	9.44	-66.03	2.02	H	-58.61	-13.00	1	14
	2 472.00	-52.03	10.35	-63.23	2.59	H	-55.47	-13.00		
	3 296.00	-53.75	11.06	-61.91	2.95	H	-53.80	-13.00		
	4 120.00	-54.37	11.65	-60.73	3.31	H	-52.39	-13.00		
	4 944.00	-56.06	11.28	-57.72	3.68	V	-50.12	-13.00		

8.8.4 CONDUCTED SPURIOUS EMISSIONS

Band	Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Limit (dBm)
26	1.4	824.0	3.8286	29.320	-56.648	-27.328	-13.00
	3		3.8784	29.320	-56.082	-26.762	
	5		3.9682	29.320	-56.976	-27.656	
	10		5.9223	29.910	-56.048	-26.138	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 104 ~ 107.
2. Conducted Spurious Emissions was Tested QPSK Modulation, Resource Block Size 1 and Resource Block Offset 0
3. Result (dBm) = Measurement Maximum Data (dBm) + Factor (dB)
4. Factor (dB) = Cable Loss + Attenuator + Power Splitter

Frequency Range (GHz)	Factor [dB]
0.03 – 1	25.270
1 – 5	27.976
5 – 10	28.591
10 – 15	29.116
15 – 20	29.489
Above 20(26.5)	30.131

8.8.5 CHANNEL EDGE(Part90)

- Test Channel : 26790(824.0MHz)
- Plots of the EUT's Band Edge are shown Page 108 ~ 119.

8.8.6 BAND EDGE(Part22)

- Test Channel : 26790(824.0 MHz)
- Plots of the EUT's Band Edge are shown Page 120 ~ 127.

9. TEST DATA (Internal(BUA))

9.1 EFFECTIVE RADIATED POWER

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
814.7	LTE B26/ 1.4 MHz	QPSK	83.75	30.04	2.58	116.37	H	< 100	0.080	19.02	1	0
		16QAM	82.81	30.04	2.58	115.43	H		0.064	18.08		
		64QAM	81.81	30.04	2.58	114.43	H		0.051	17.08		
		256QAM	78.67	30.04	2.58	111.29	H		0.025	13.94		
823.3		QPSK	84.34	30.04	2.63	117.01	H		0.093	19.66	1	5
		16QAM	83.58	30.04	2.63	116.25	H		0.078	18.90		
		64QAM	82.21	30.04	2.63	114.88	H		0.057	17.53		
		256QAM	79.42	30.04	2.63	112.09	H		0.030	14.74		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
815.5	LTE B26/ 3 MHz	QPSK	83.85	30.04	2.58	116.47	H	< 100	0.082	19.12	1	14
		16QAM	83.00	30.04	2.58	115.62	H		0.067	18.27		
		64QAM	81.83	30.04	2.58	114.45	H		0.051	17.10		
		256QAM	78.75	30.04	2.58	111.37	H		0.025	14.02		
822.5		QPSK	84.39	30.04	2.63	117.06	H		0.094	19.71	1	14
		16QAM	83.69	30.04	2.63	116.36	H		0.080	19.01		
		64QAM	82.46	30.04	2.63	115.13	H		0.060	17.78		
		256QAM	79.47	30.04	2.63	112.14	H		0.030	14.79		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
816.5	LTE B26/ 5 MHz	QPSK	83.85	30.04	2.58	116.47	H	< 100	0.082	19.12	1	24
		16QAM	83.22	30.04	2.58	115.84	H		0.071	18.49		
		64QAM	82.12	30.04	2.58	114.74	H		0.055	17.39		
		256QAM	78.90	30.04	2.58	111.52	H		0.026	14.17		
821.5		QPSK	84.37	30.04	2.63	117.04	H		0.093	19.69	1	24
		16QAM	83.70	30.04	2.63	116.37	H		0.080	19.02		
		64QAM	82.35	30.04	2.63	115.02	H		0.059	17.67		
		256QAM	79.52	30.04	2.63	112.19	H		0.031	14.84		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
819.0	LTE B26/ 10 MHz	QPSK	84.39	30.04	2.59	117.02	H	< 100	0.093	19.67	1	49
		16QAM	83.64	30.04	2.59	116.27	H		0.078	18.92		
		64QAM	82.46	30.04	2.59	115.09	H		0.059	17.74		
		256QAM	79.39	30.04	2.59	112.02	H		0.029	14.67		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
821.5	LTE B26/ 15 MHz	QPSK	84.78	30.04	2.59	117.41	H	< 7.00	0.101	20.06	1	74
		16QAM	84.18	30.04	2.59	116.81	H		0.088	19.46		
		64QAM	83.19	30.04	2.59	115.82	H		0.070	18.47		
		256QAM	80.05	30.04	2.59	112.68	H		0.034	15.33		

Note

1. Limit: None (for reporting purposes only)

9.2 RADIATED SPURIOUS EMISSIONS

MODE: LTE B26
 MODULATION SIGNAL: 15 MHz QPSK
 DISTANCE: 3 meters

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit	Size	
									Size	Offset
26765 (821.5)	1 643.00	-52.26	9.39	-67.10	2.00	V	-59.71	-13.00	1	74
	2 464.50	-52.86	10.37	-64.02	2.59	H	-56.24	-13.00		
	3 286.00	-54.31	10.98	-62.42	2.95	V	-54.39	-13.00		
	4 107.50	-54.41	11.63	-60.73	3.33	H	-52.43	-13.00		
	4 929.00	-56.34	11.31	-58.00	3.64	H	-50.33	-13.00		

9.3 STRADDLE CHANNEL

9.3.1 EFFECTIVE RADIATED POWER

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
824.0	LTE B26/ 1.4 MHz	QPSK	84.44	30.04	2.63	117.11	H	< 7.00	0.095	19.76	1	0
		16QAM	83.70	30.04	2.63	116.37	H		0.080	19.02		
		64QAM	82.58	30.04	2.63	115.25	H		0.062	17.90		
		256QAM	79.33	30.04	2.63	112.00	H		0.029	14.65		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
824.0	LTE B26/ 3 MHz	QPSK	84.52	30.04	2.63	117.19	H	< 7.00	0.096	19.84	1	14
		16QAM	83.79	30.04	2.63	116.46	H		0.082	19.11		
		64QAM	82.58	30.04	2.63	115.25	H		0.062	17.90		
		256QAM	79.49	30.04	2.63	112.16	H		0.030	14.81		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
824.0	LTE B26/ 5 MHz	QPSK	84.65	30.04	2.63	117.32	H	< 7.00	0.099	19.97	1	24
		16QAM	83.93	30.04	2.63	116.60	H		0.084	19.25		
		64QAM	82.79	30.04	2.63	115.46	H		0.065	18.11		
		256QAM	79.66	30.04	2.63	112.33	H		0.032	14.98		

Freq (MHz)	Bandwidth	Modulation	Measured (dBμV/m)	Ant. Factor + Distance Factor (dB)	C.L (dB)	Total (dBμV/m)	Pol.	Limit	ERP		RB	
								W	W	dBm	Size	Offset
824.0	LTE B26/ 10 MHz	QPSK	84.93	30.04	2.63	117.60	H	< 7.00	0.106	20.25	1	49
		16QAM	84.19	30.04	2.63	116.86	H		0.089	19.51		
		64QAM	83.23	30.04	2.63	115.90	H		0.072	18.55		
		256QAM	80.09	30.04	2.63	112.76	H		0.035	15.41		

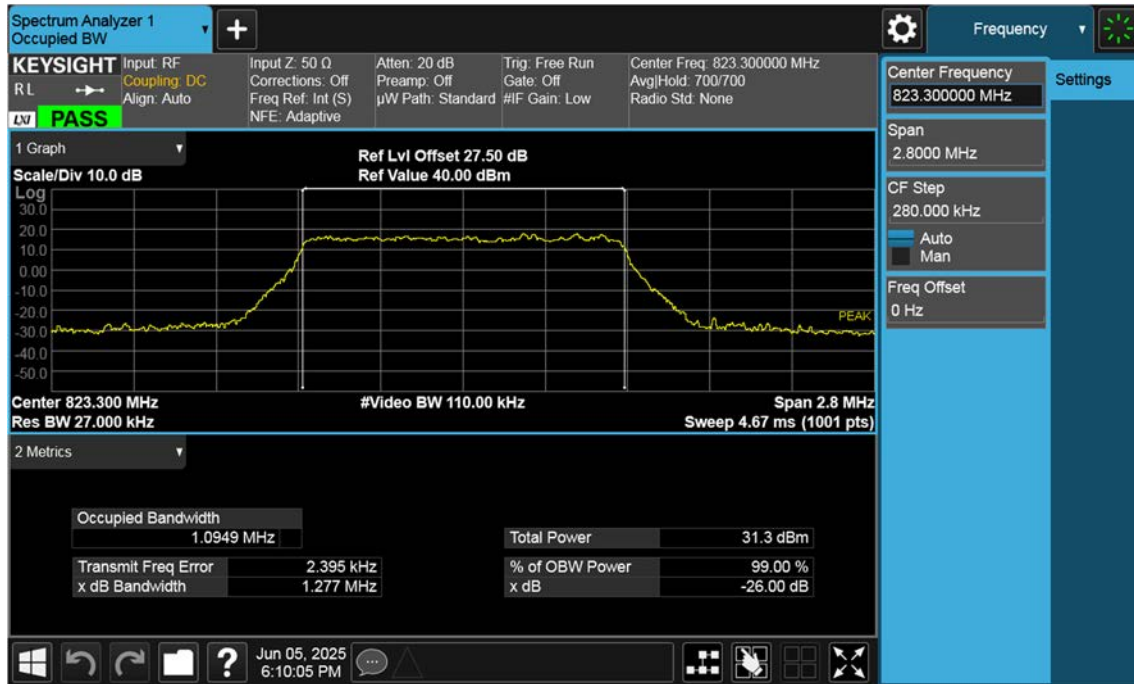
9.3.2 RADIATED SPURIOUS EMISSIONS

☐ MODE: LTE B26(Straddle)
☐ MODULATION SIGNAL: 10 MHz QPSK
☐ DISTANCE: 3 meters

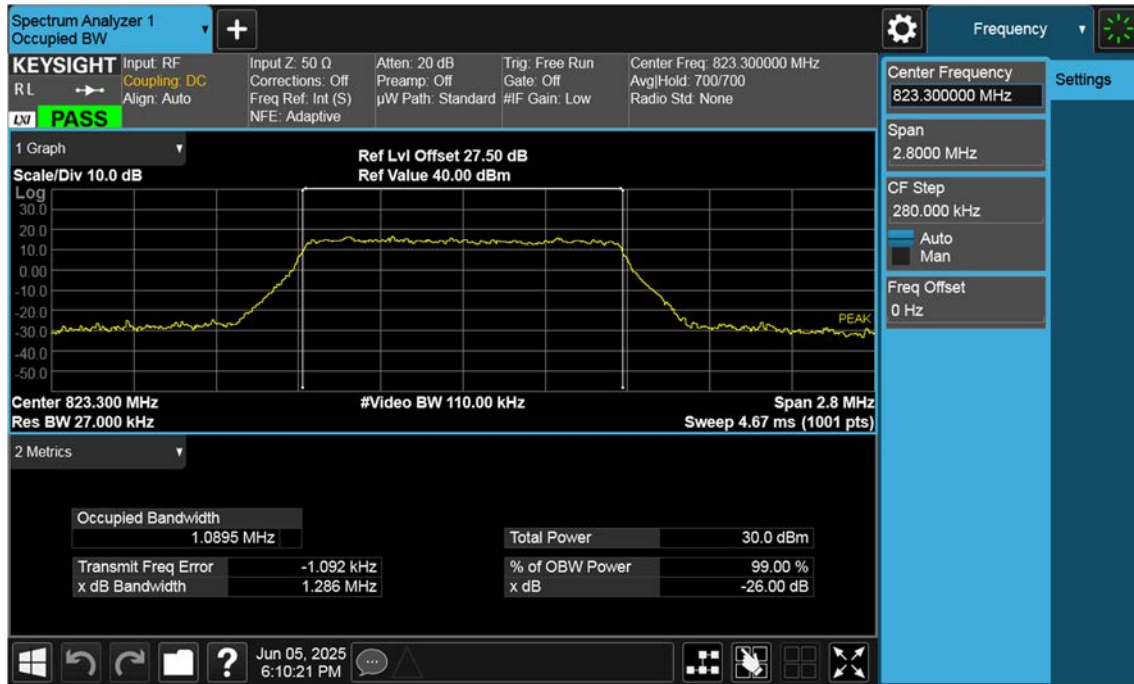
Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit	RB	
									Size	Offset
26790 (824.0)	1 648.00	-50.24	9.44	-65.18	2.02	H	-57.76	-13.00	1	49
	2 472.00	-53.91	10.35	-65.11	2.59	V	-57.35	-13.00		
	3 296.00	-54.22	11.06	-62.38	2.95	H	-54.27	-13.00		
	4 120.00	-54.36	11.65	-60.72	3.31	V	-52.38	-13.00		
	4 944.00	-55.53	11.28	-57.19	3.68	V	-49.59	-13.00		

10. TEST PLOTS

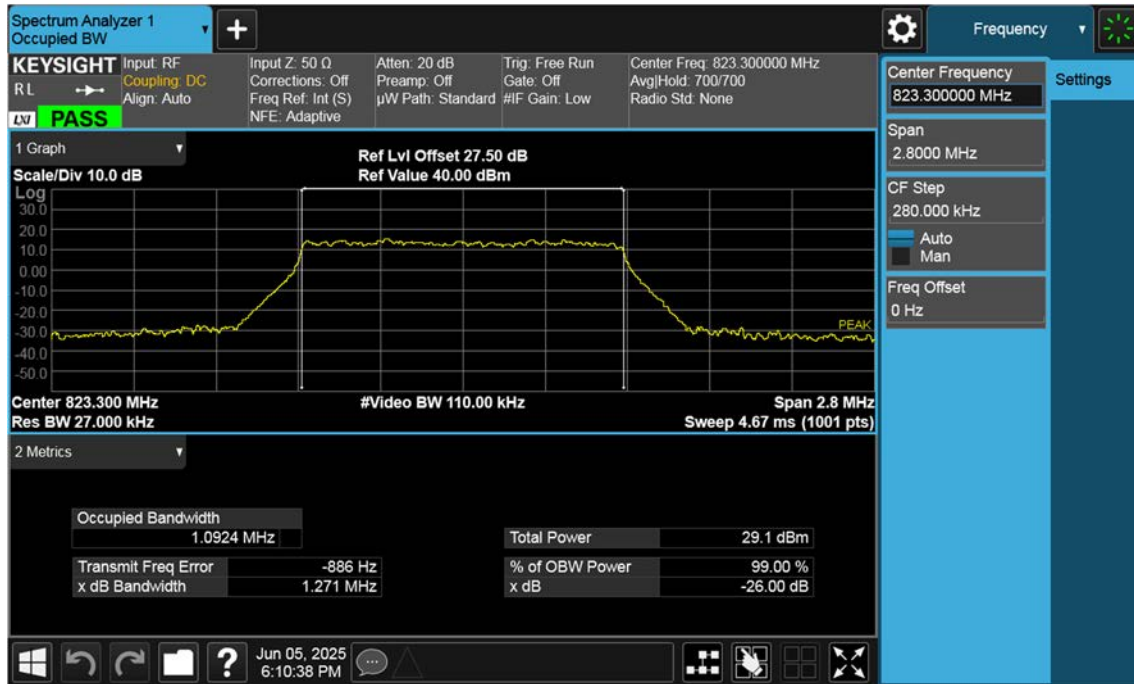
LTE B26_1.4M_OBW_Mid_QPSK_FullRB



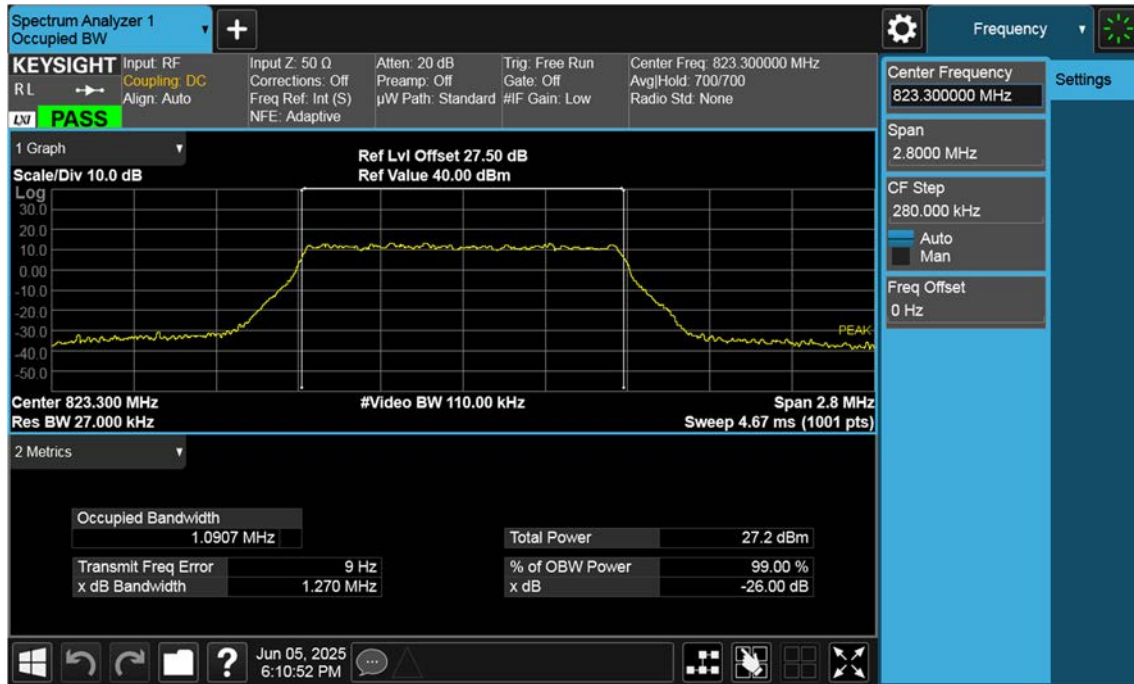
LTE B26_1.4M_OBW_Mid_16QAM_FullIRB



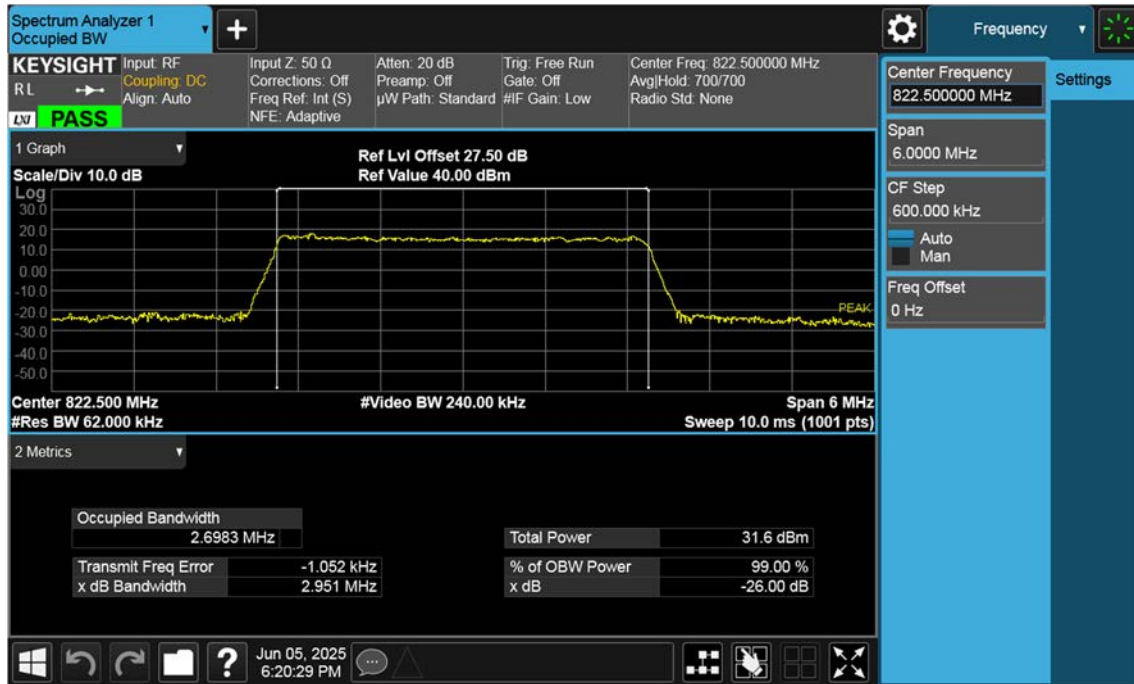
LTE B26_1.4M_OBW_Mid_64QAM_FullRB



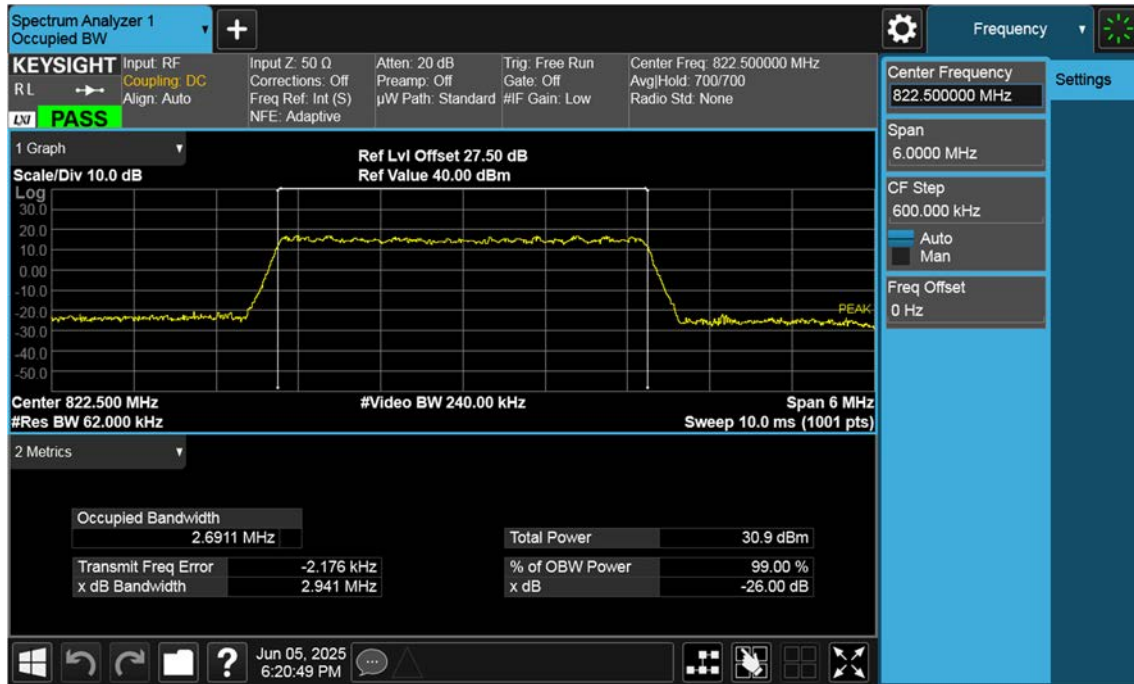
LTE B26_1.4M_OBW_Mid_256QAM_FullRB



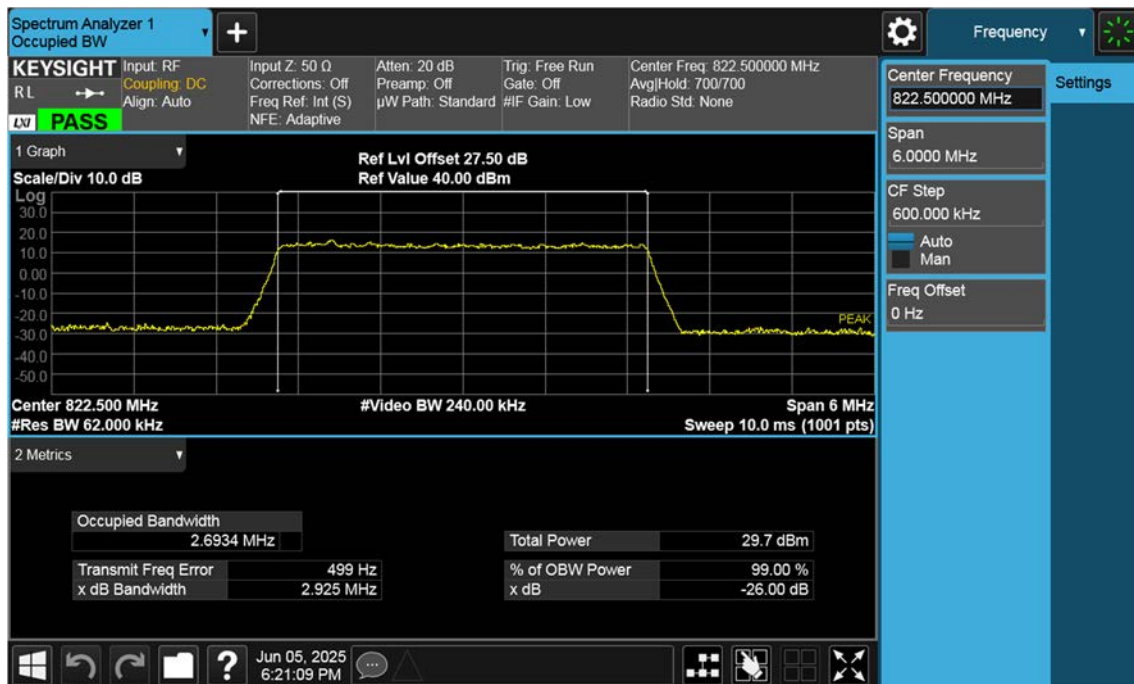
LTE B26_3 M_OBW_Mid_QPSK_FullRB



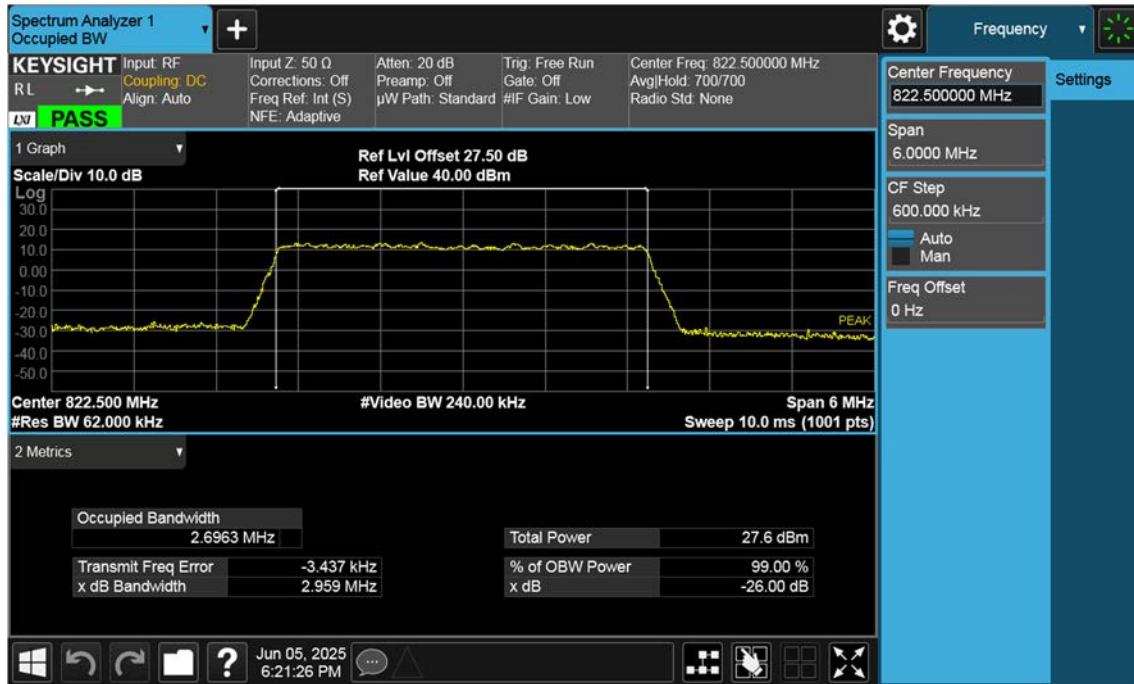
LTE B26_3 M_OBW_Mid_16QAM_FullRB



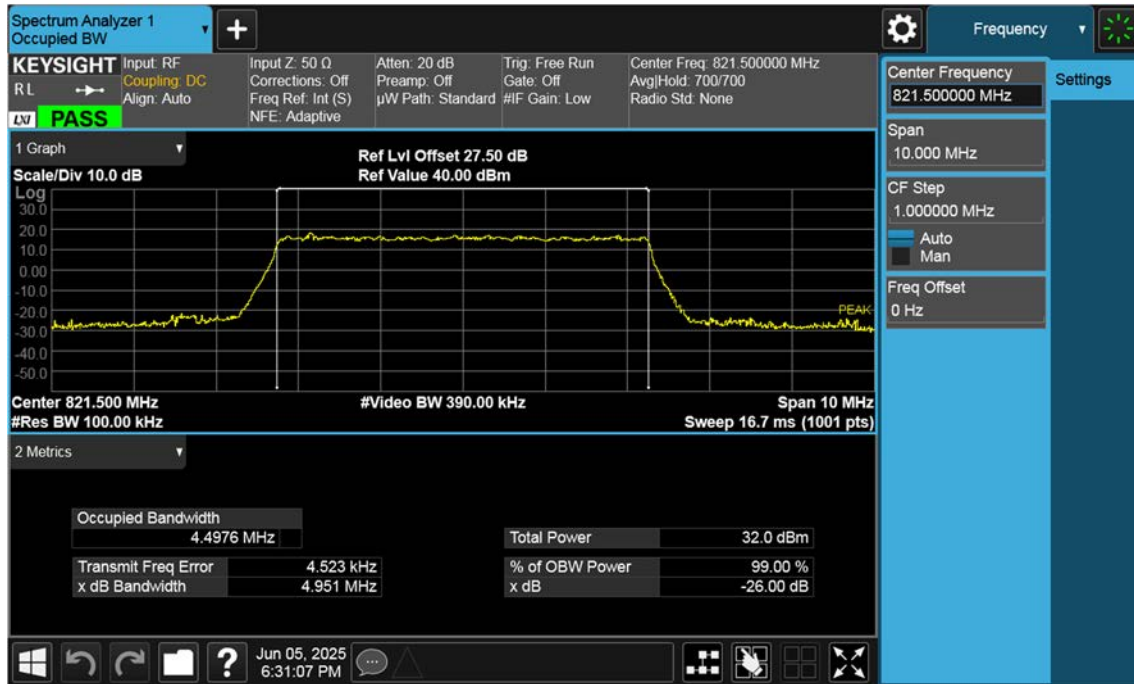
LTE B26_3 M_OBW_Mid_64QAM_FullRB



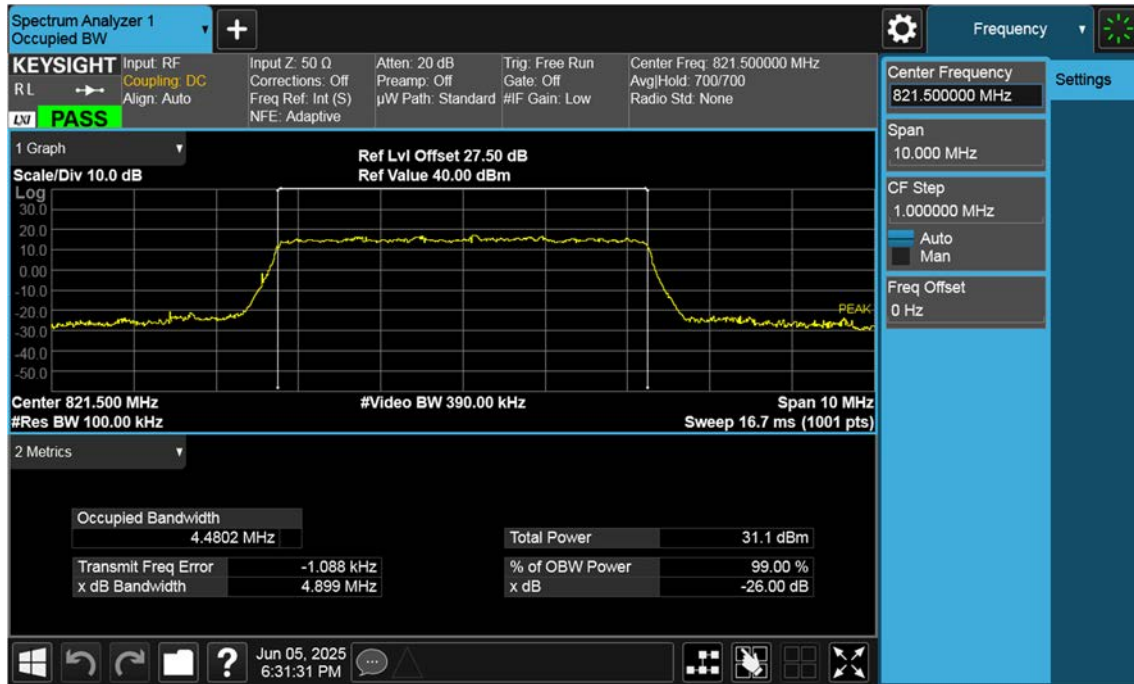
LTE B26_3 M_OBW_Mid_256QAM_FullIRB



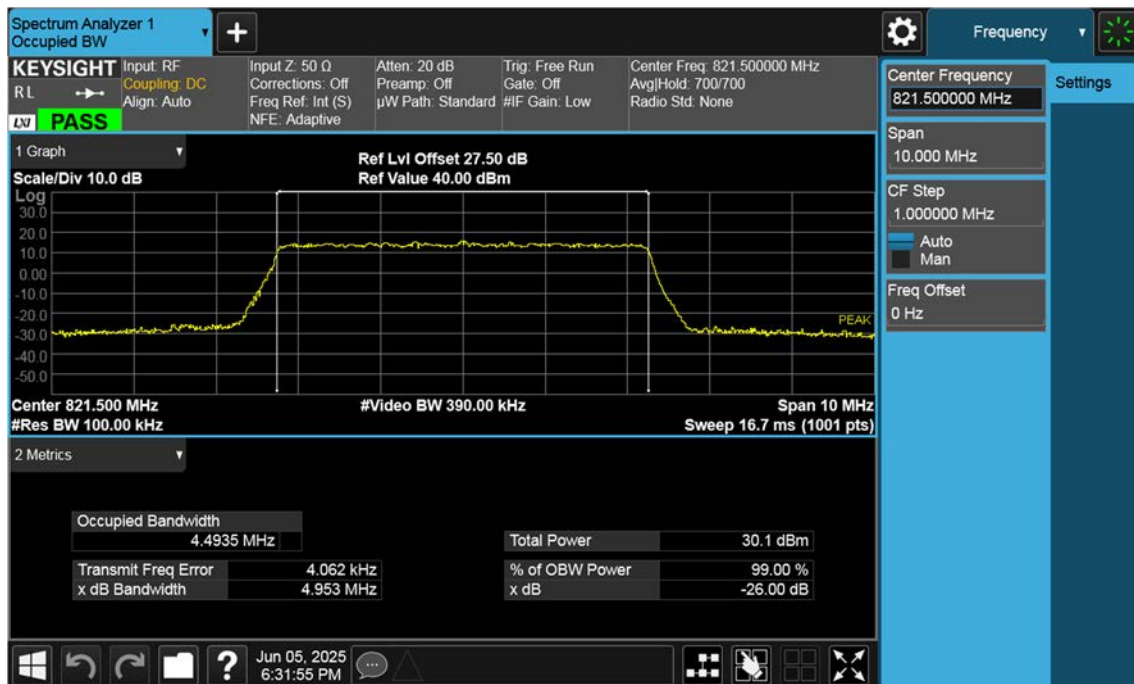
LTE B26_5 M_OBW_Mid_QPSK_FullRB



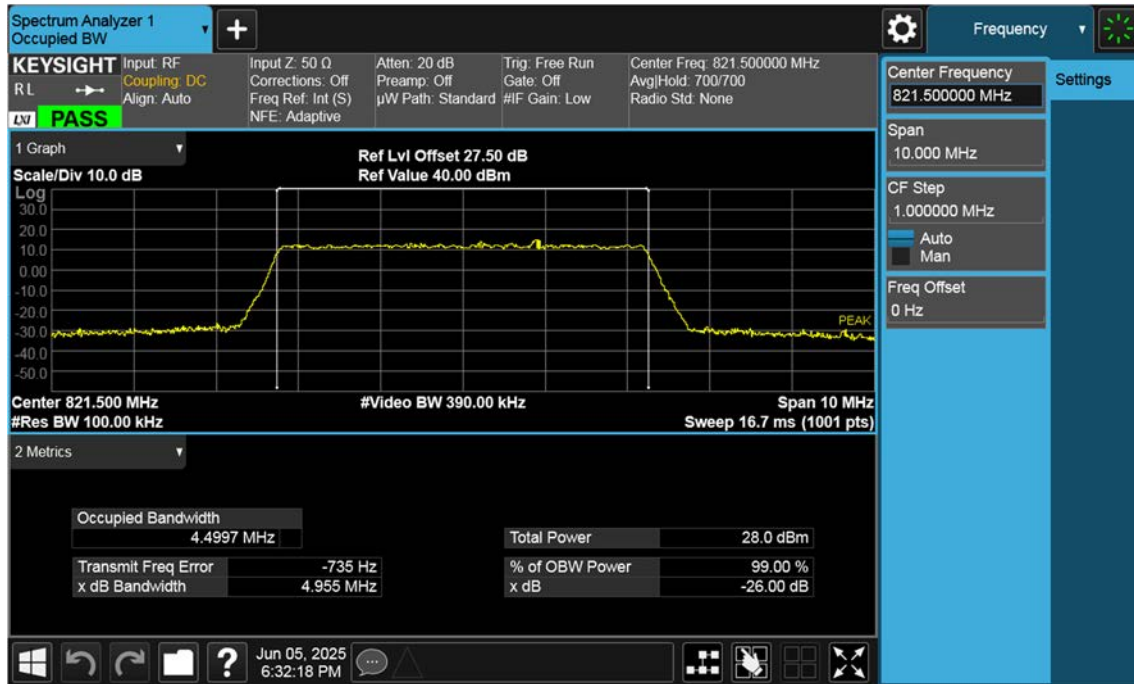
LTE B26_5 M_OBW_Mid_16QAM_FullRB



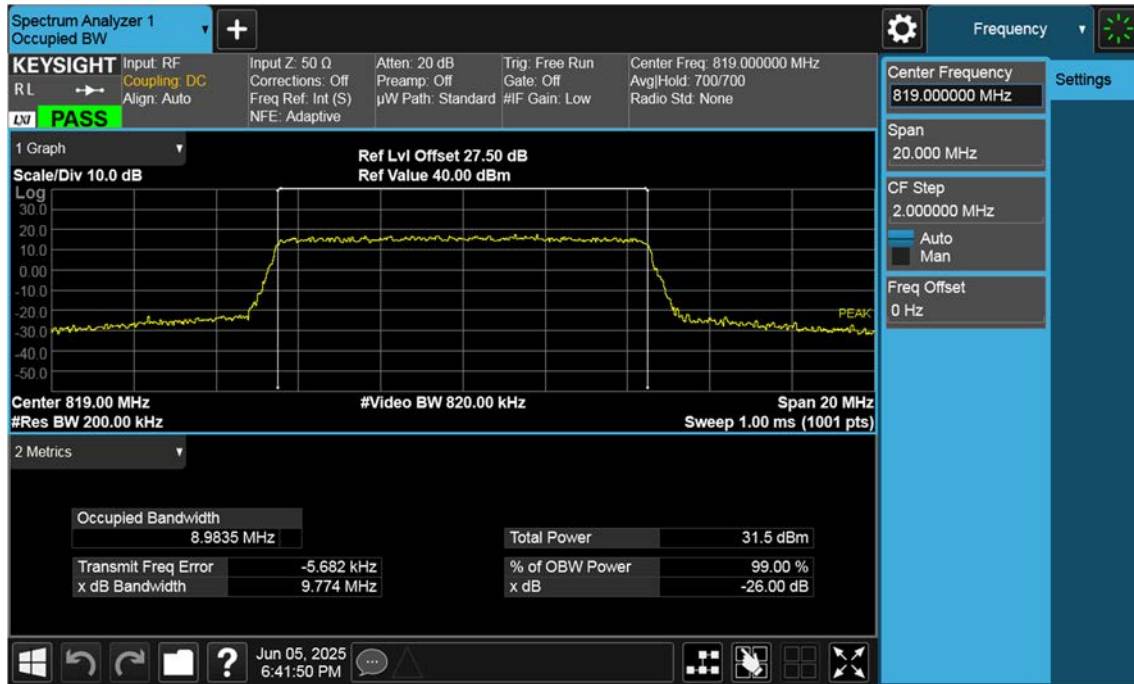
LTE B26_5 M_OBW_Mid_64QAM_FullRB



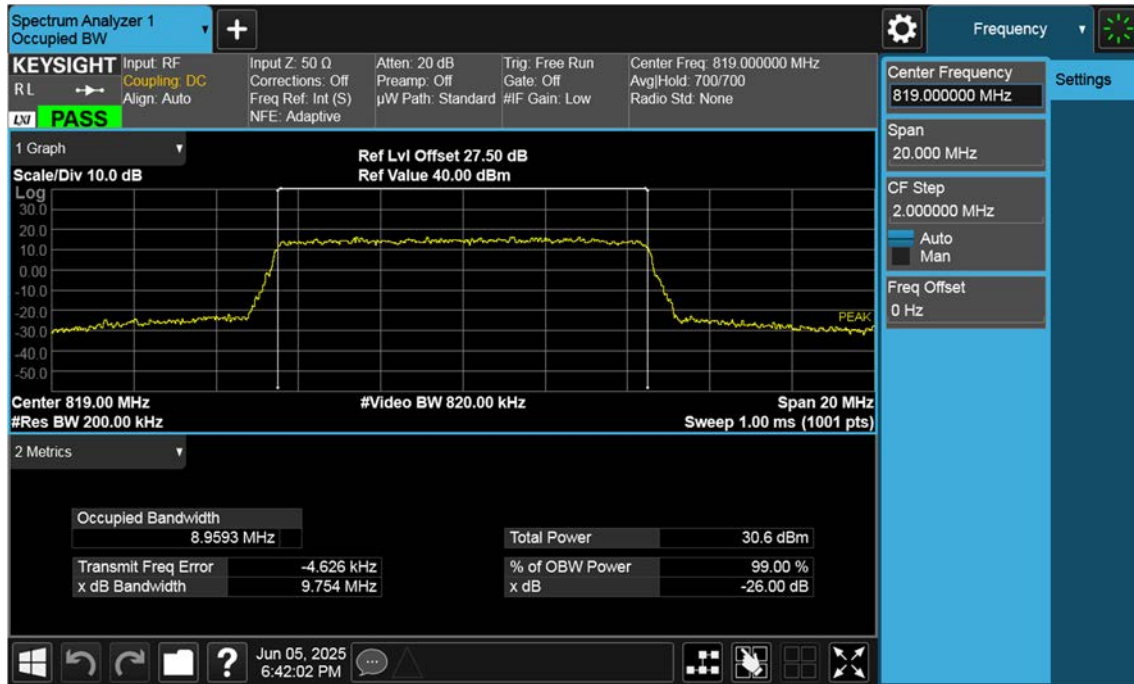
LTE B26_5 M_OBW_Mid_256QAM_FullIRB



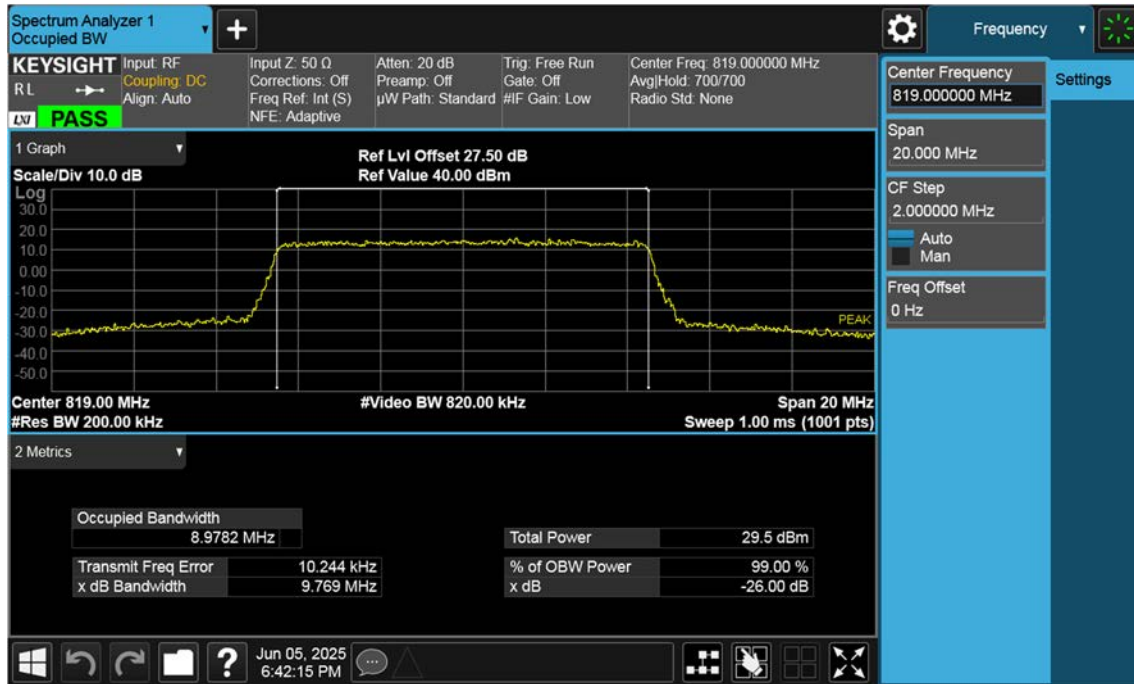
LTE B26_10 M_OBW_Mid_QPSK_FullIRB



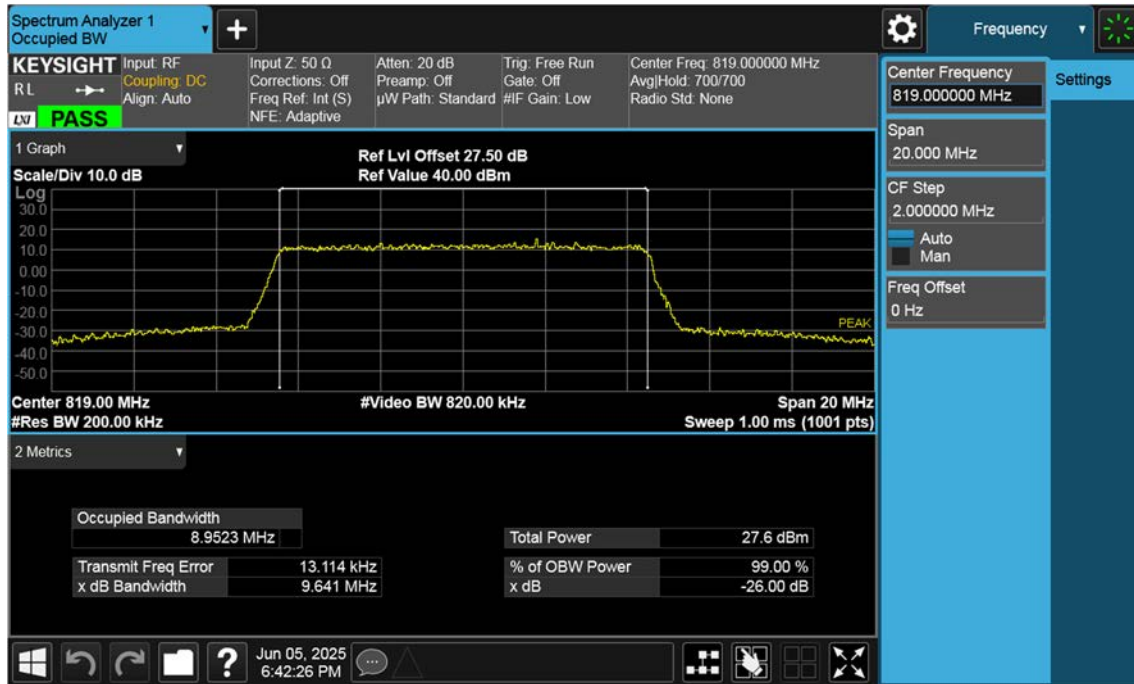
LTE B26_10 M_OBW_Mid_16QAM_FullIRB



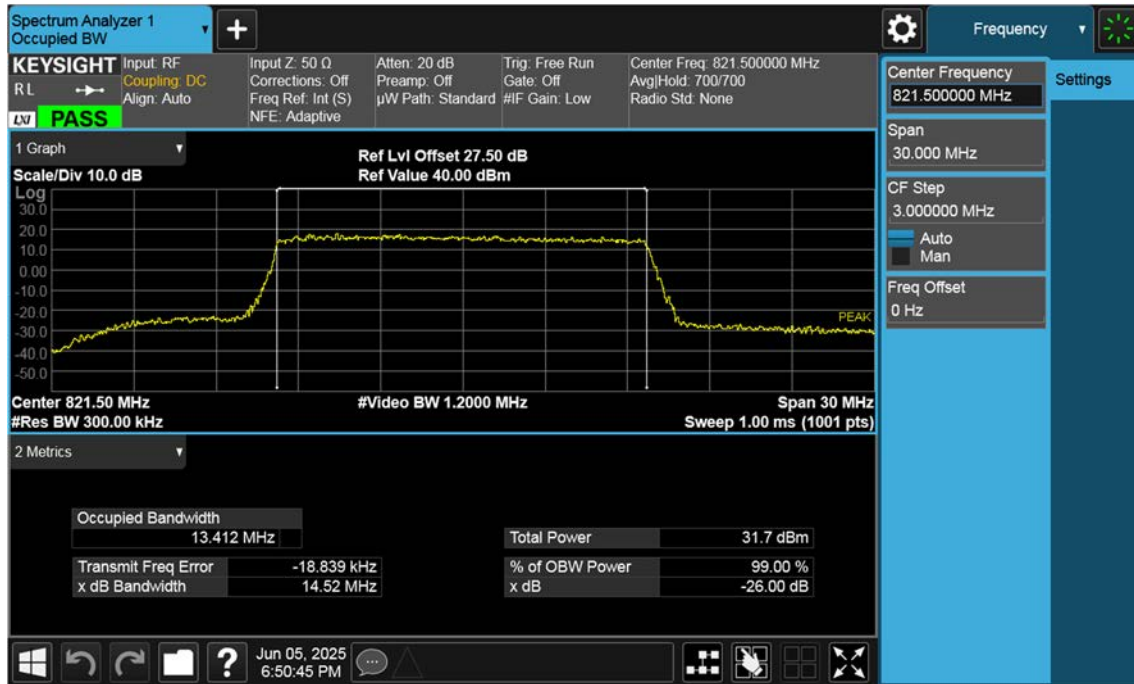
LTE B26_10 M_OBW_Mid_64QAM_FullIRB



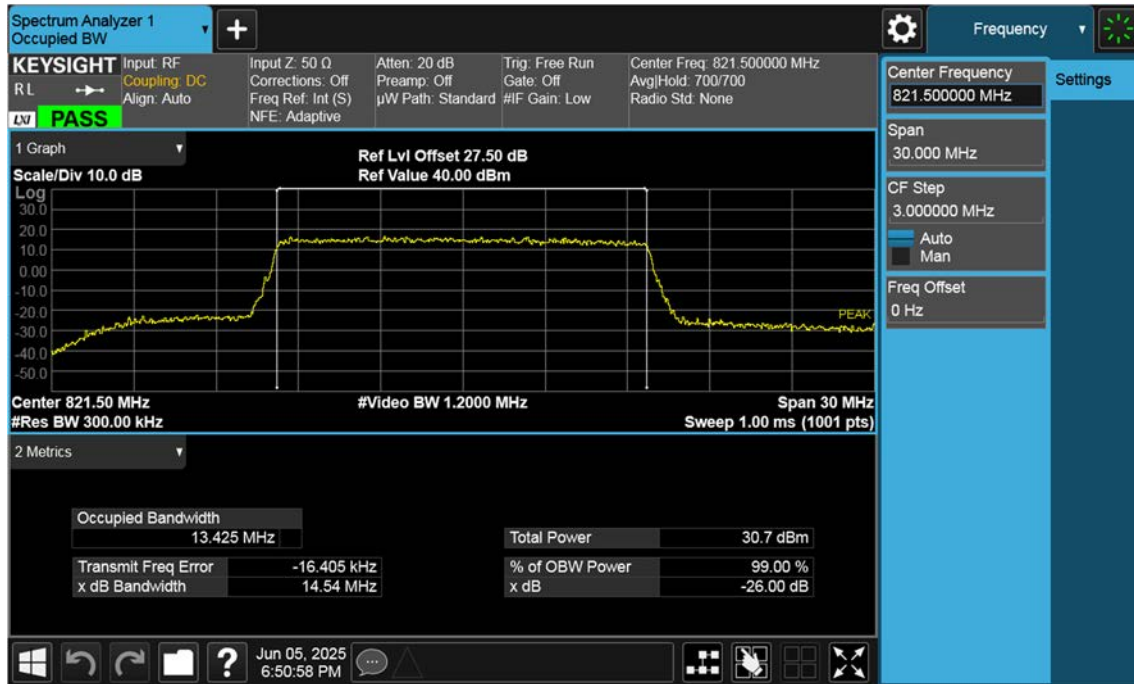
LTE B26_10 M_OBW_Mid_256QAM_FullRB



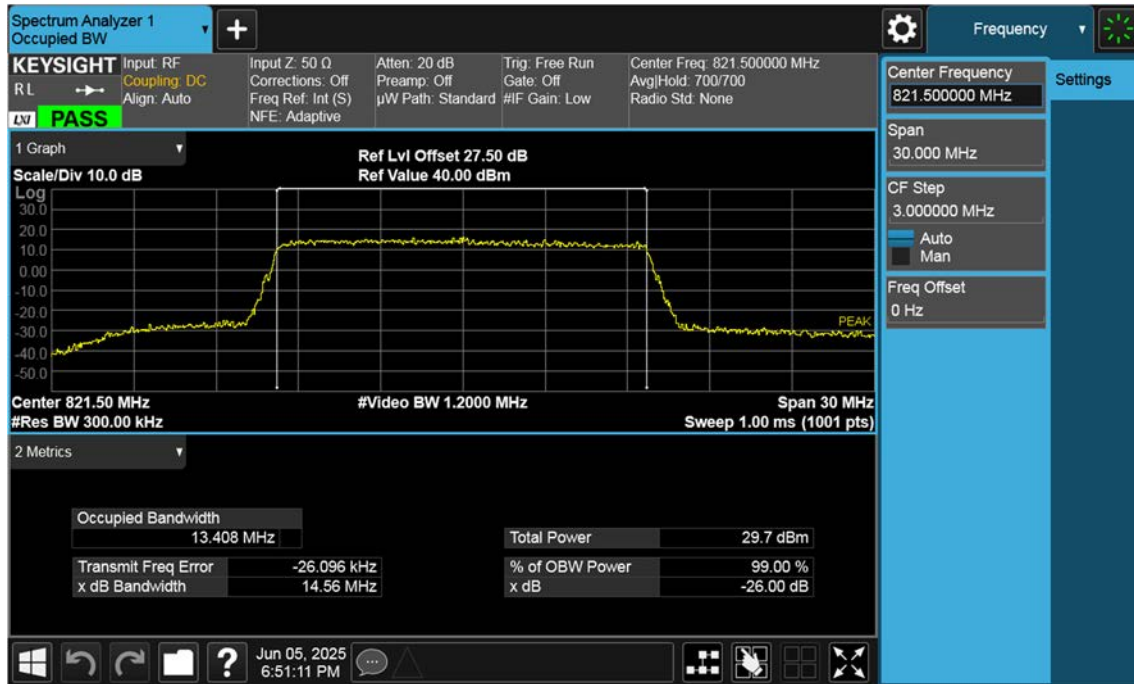
LTE B26_15 M_OBW_Mid_QPSK_FullRB



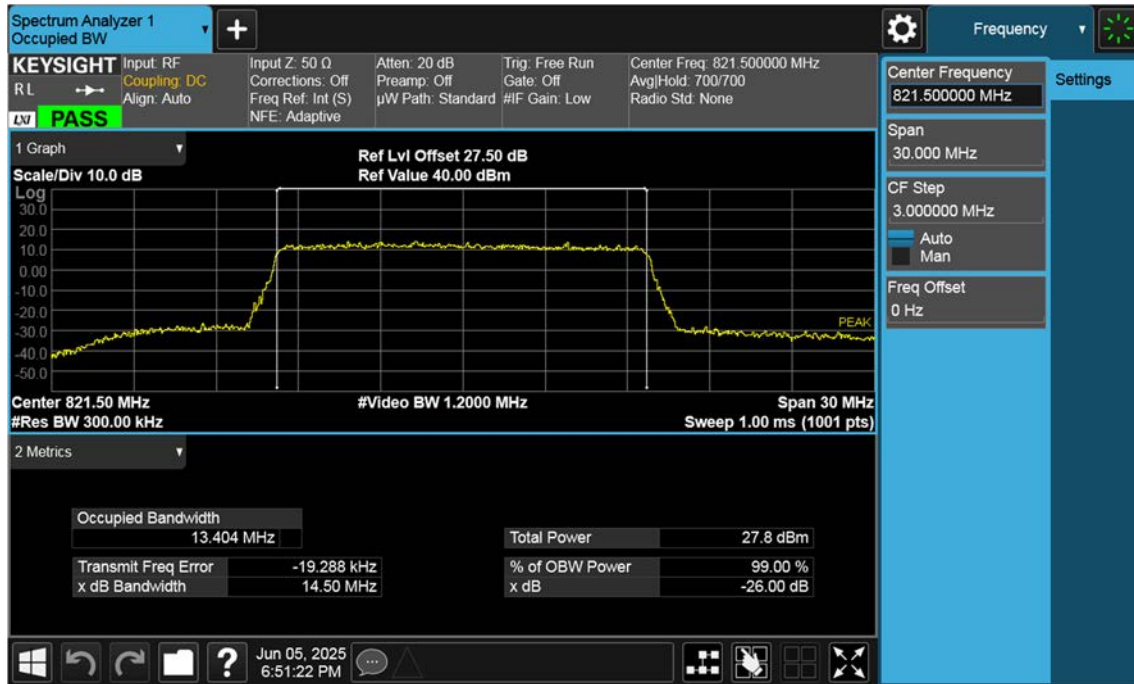
LTE B26_15 M_OBW_Mid_16QAM_FullIRB



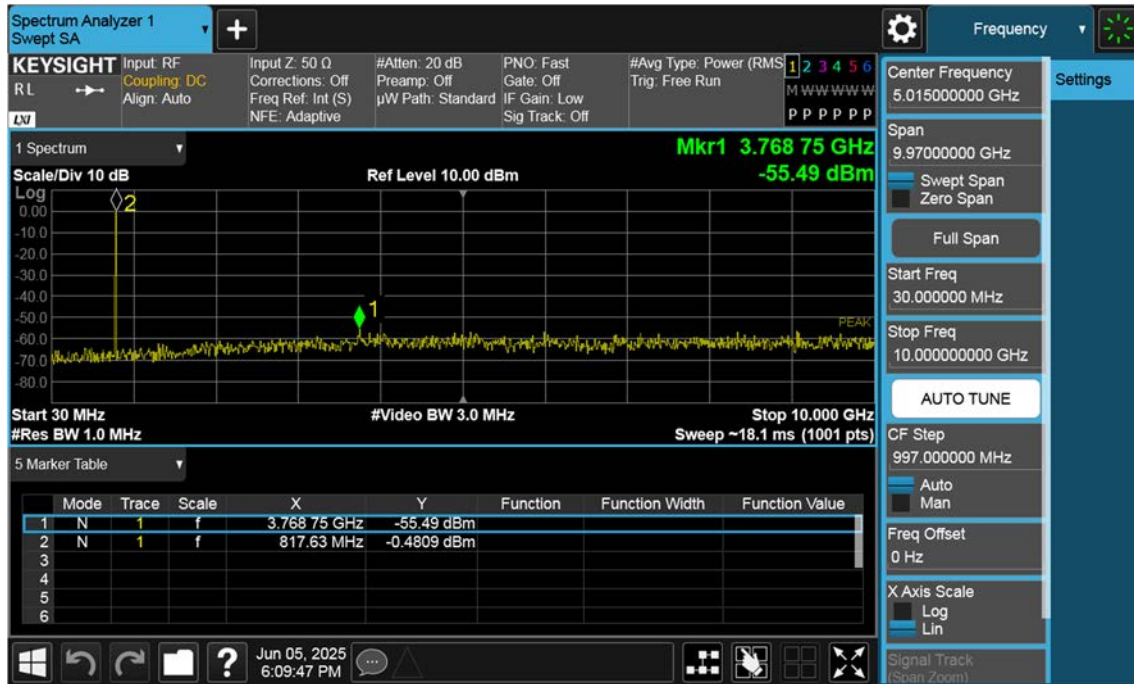
LTE B26_15 M_OBW_Mid_64QAM_FullIRB



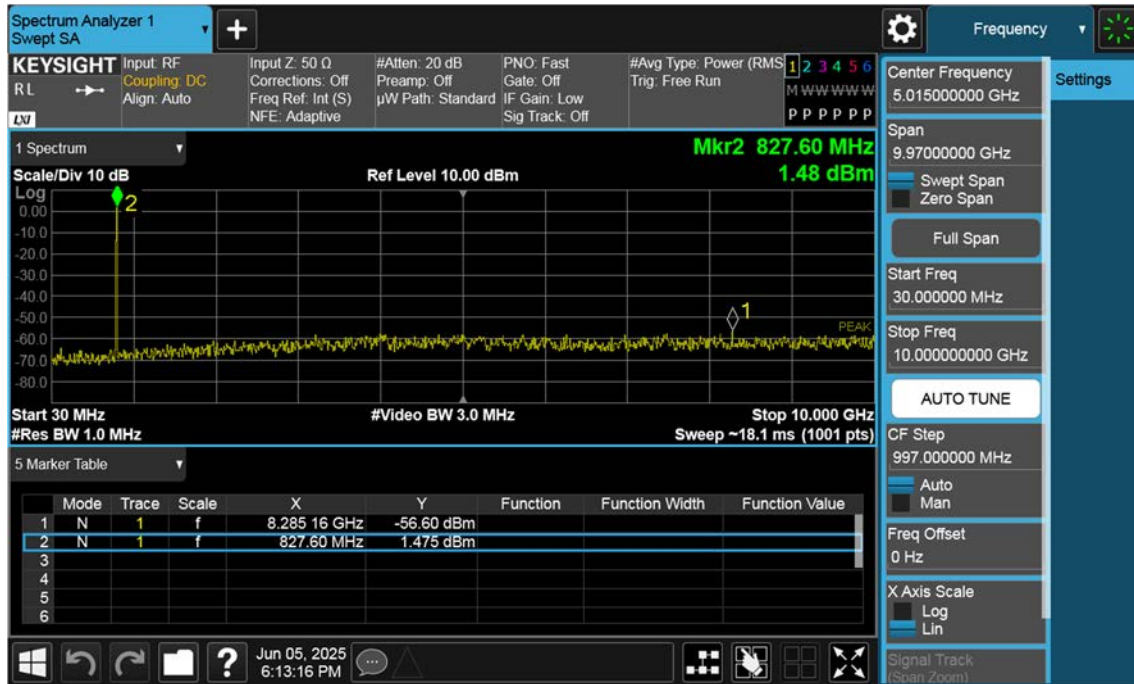
LTE B26_15 M_OBW_Mid_256QAM_FullRB



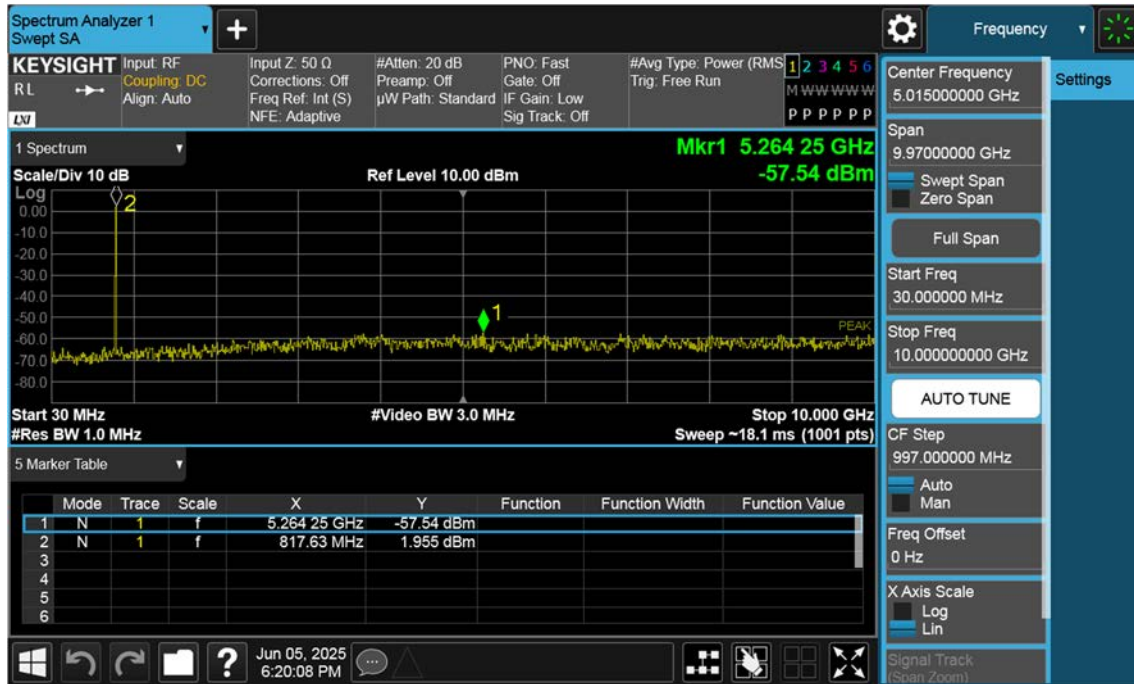
LTE B26_1.4M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



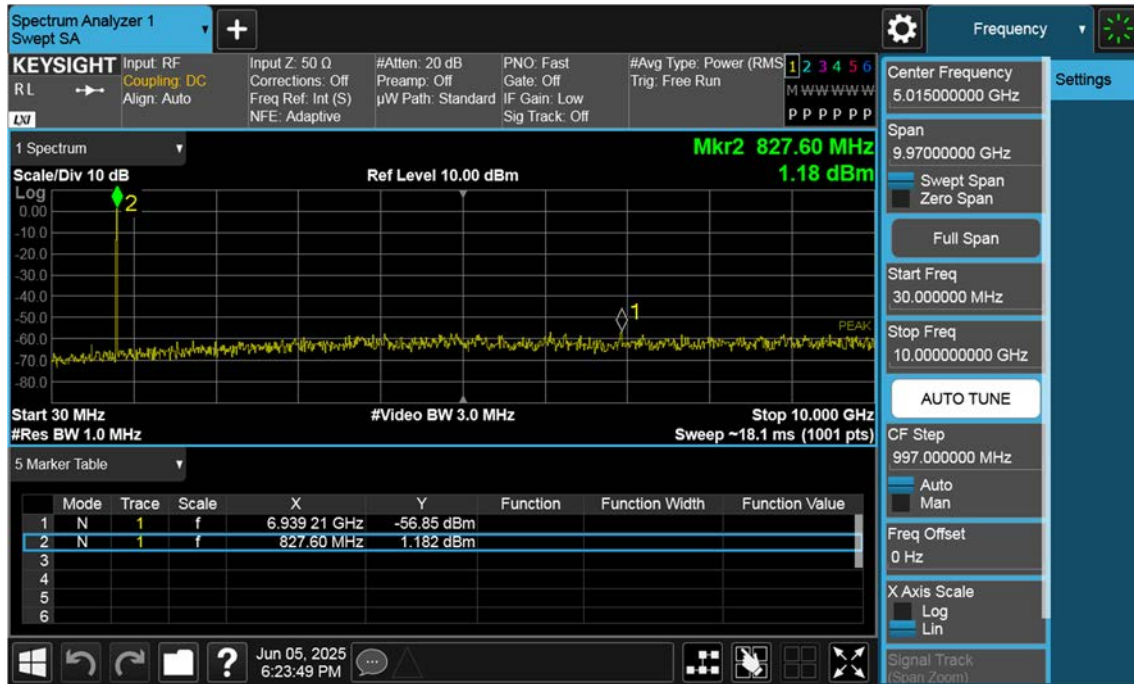
LTE B26_1.4M_Conducted Spurious(30 M-10 G)_High_QPSK_1RB



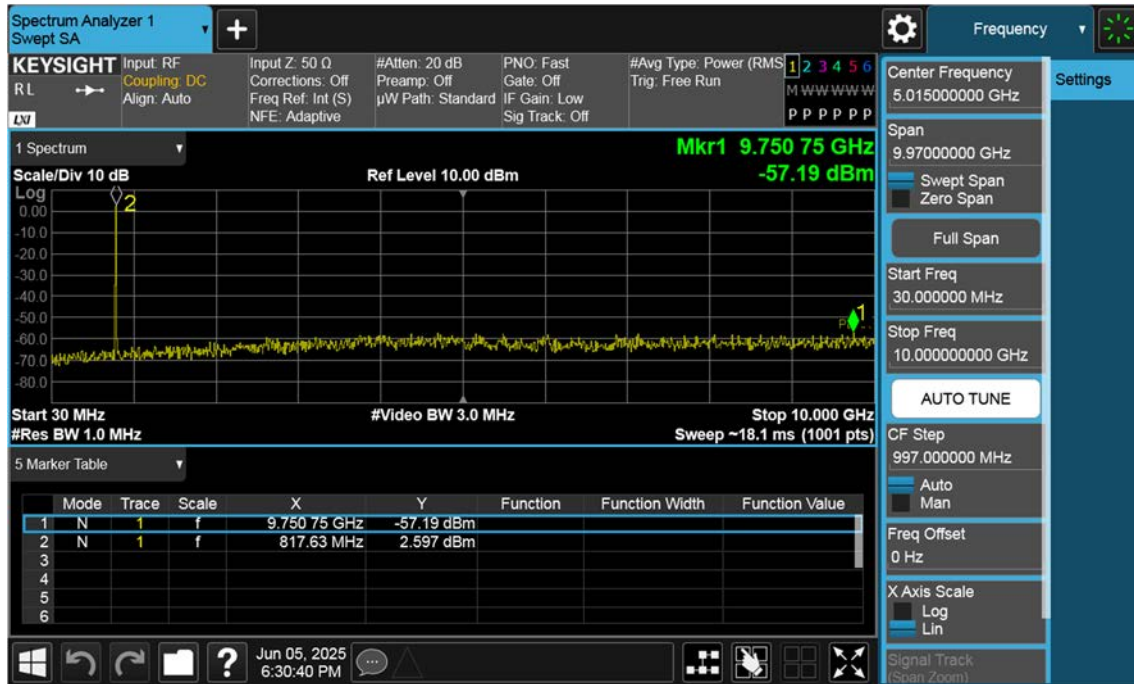
LTE B26_3 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



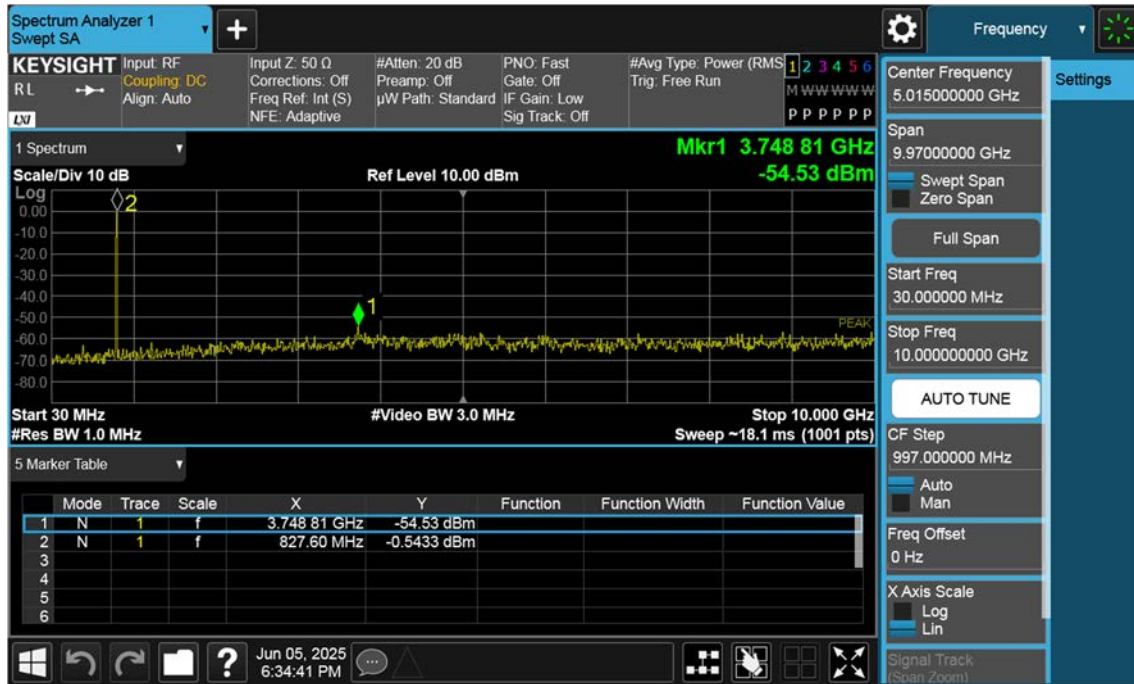
LTE B26_3 M_Conducted Spurious(30 M-10 G)_High_QPSK_1RB



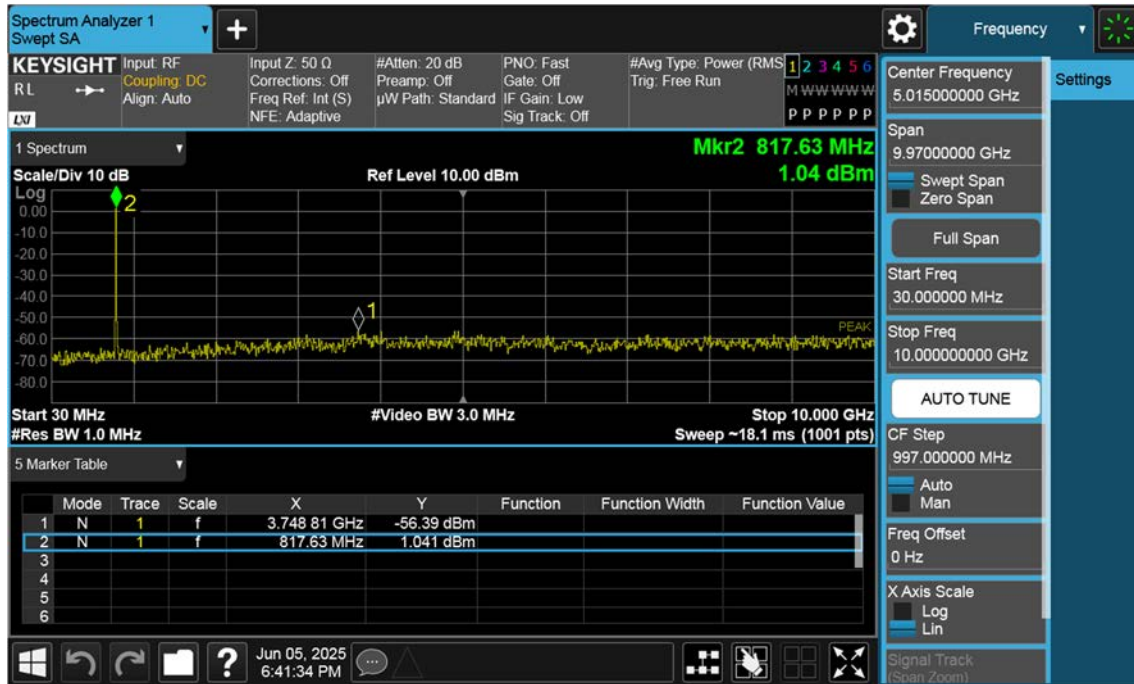
LTE B26_5 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



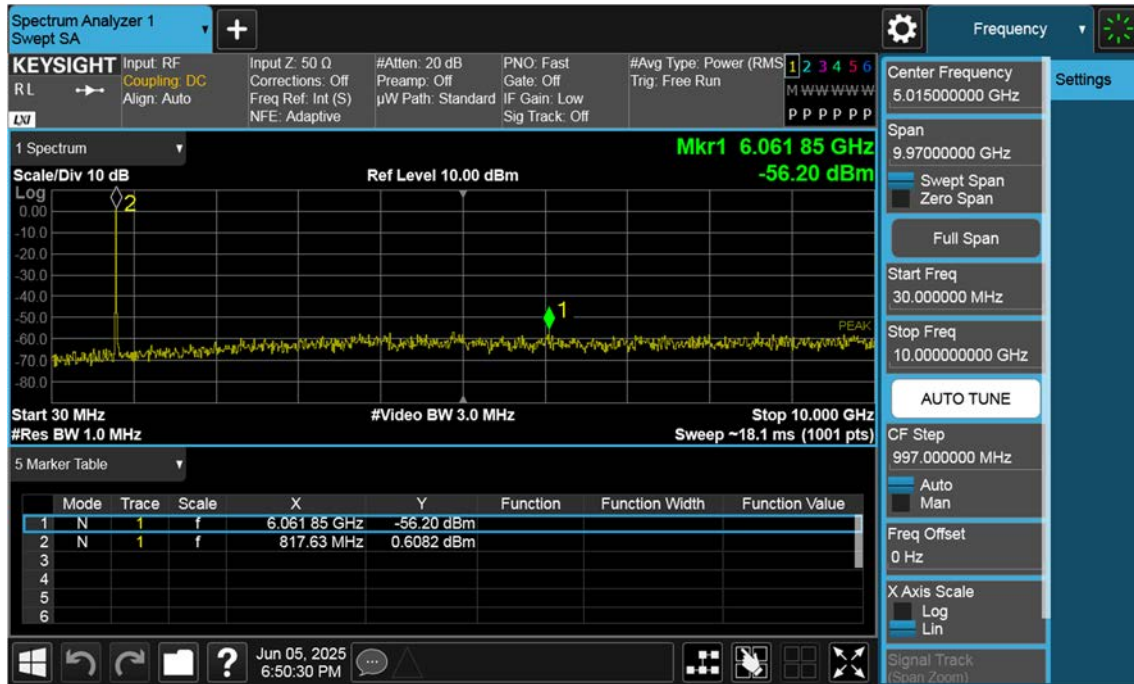
LTE B26_5 M_Conducted Spurious(30 M-10 G)_High_QPSK_1RB



LTE B26_10 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



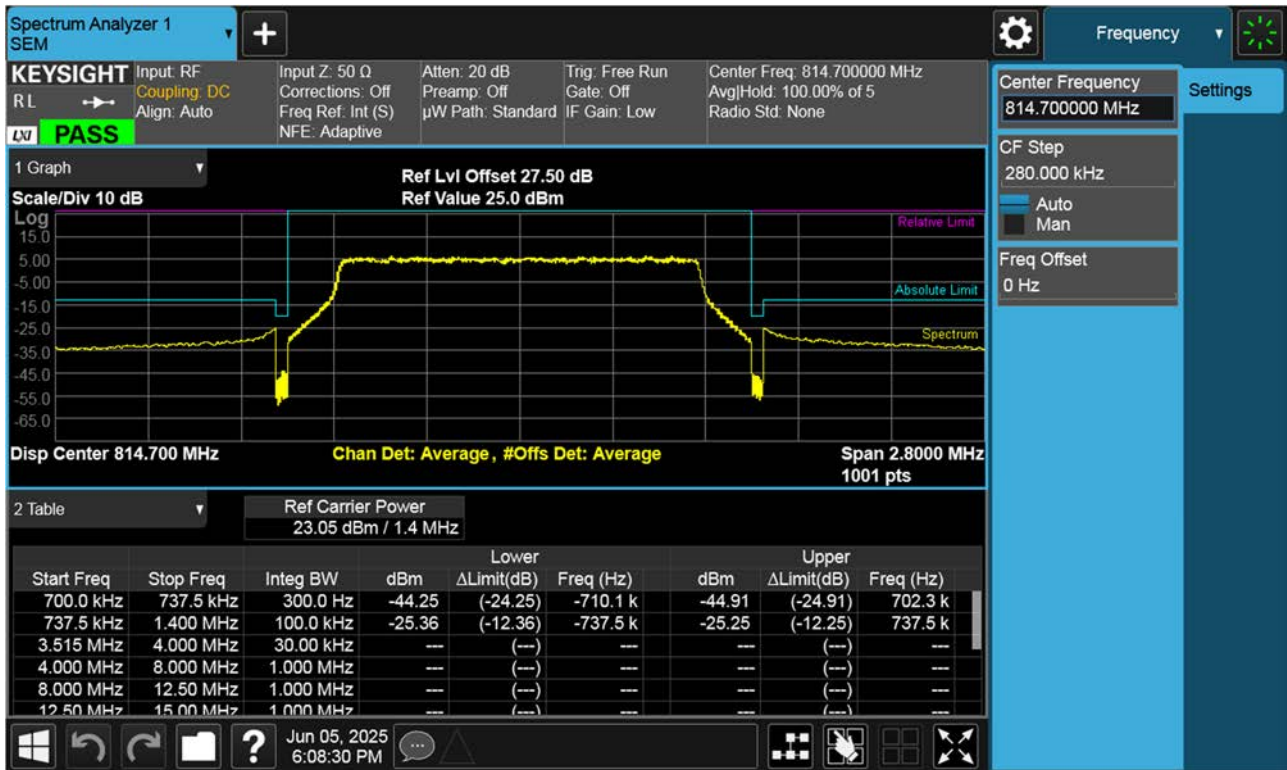
LTE B26_15 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



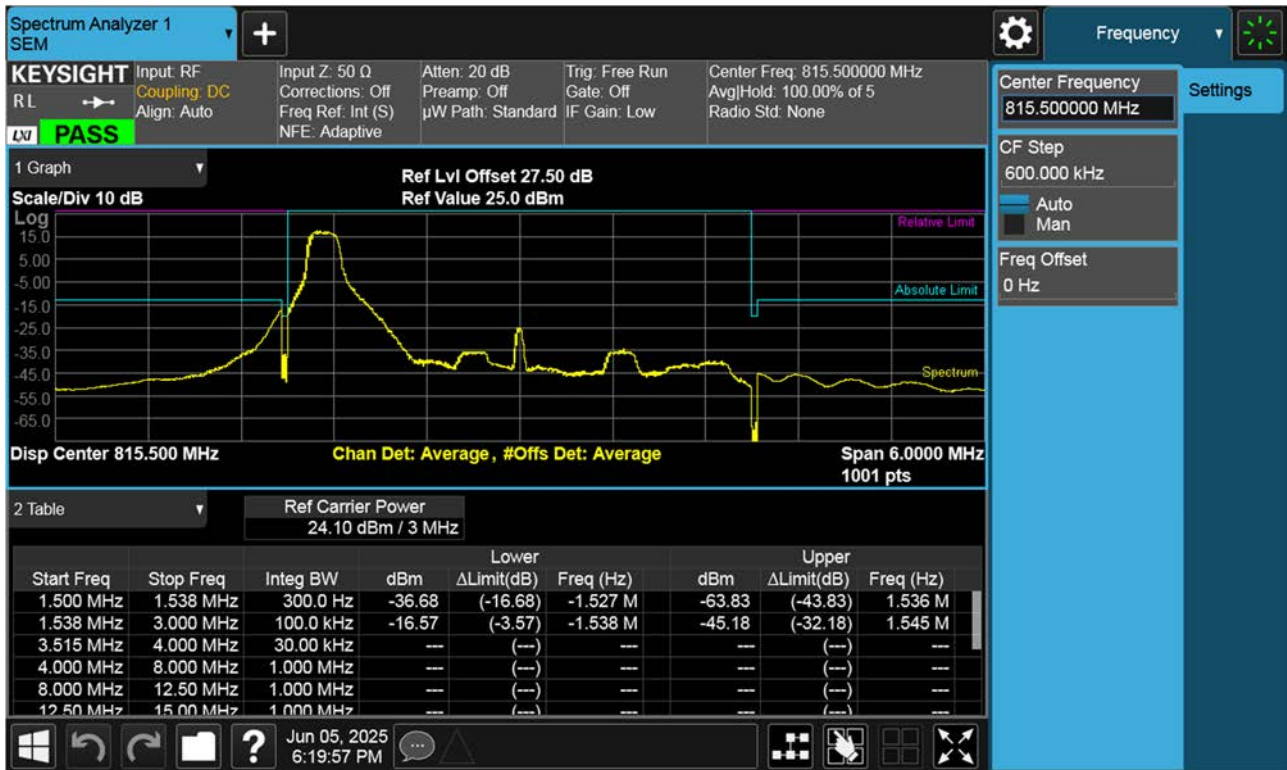
LTE B26_ Lower Channel Edge Plot (1.4 M BW Ch.26697 QPSK RB 1, Offset 0)



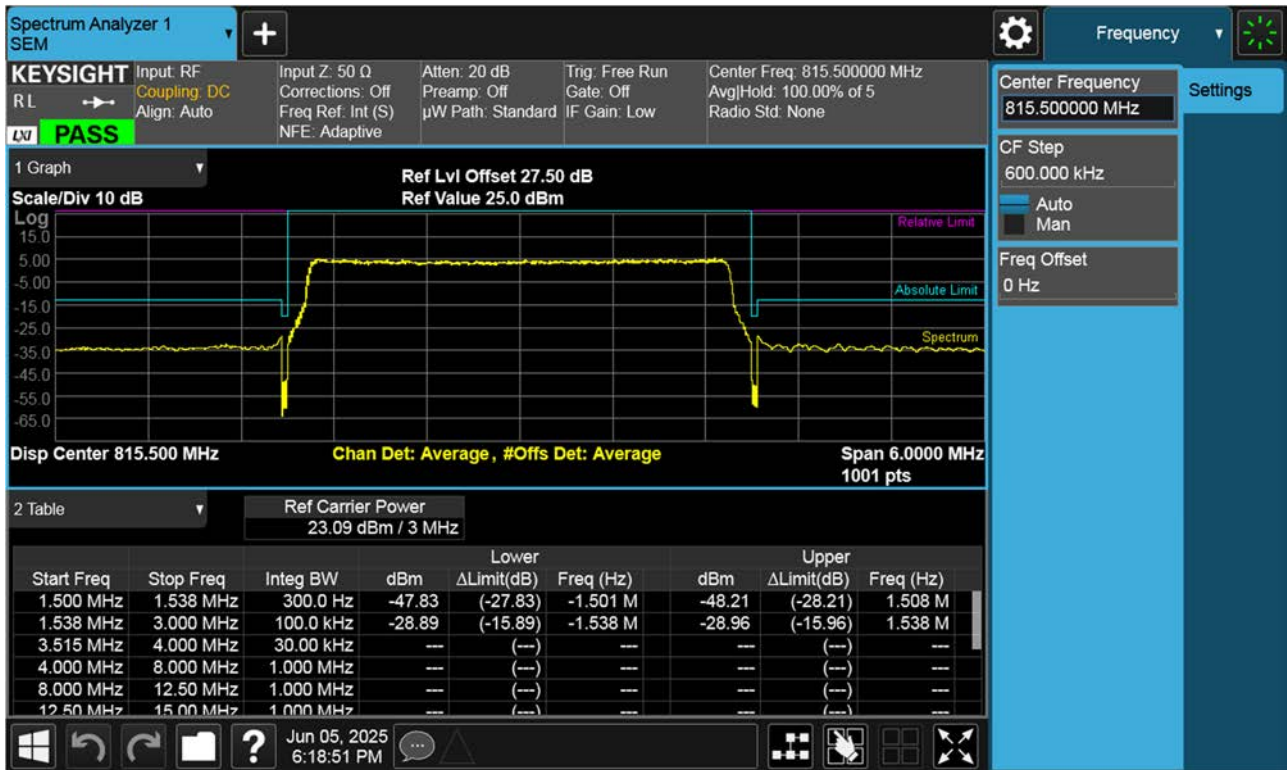
LTE B26_ Lower Channel Edge Plot (1.4 M BW Ch.26697 QPSK_RB6_Offset 0)



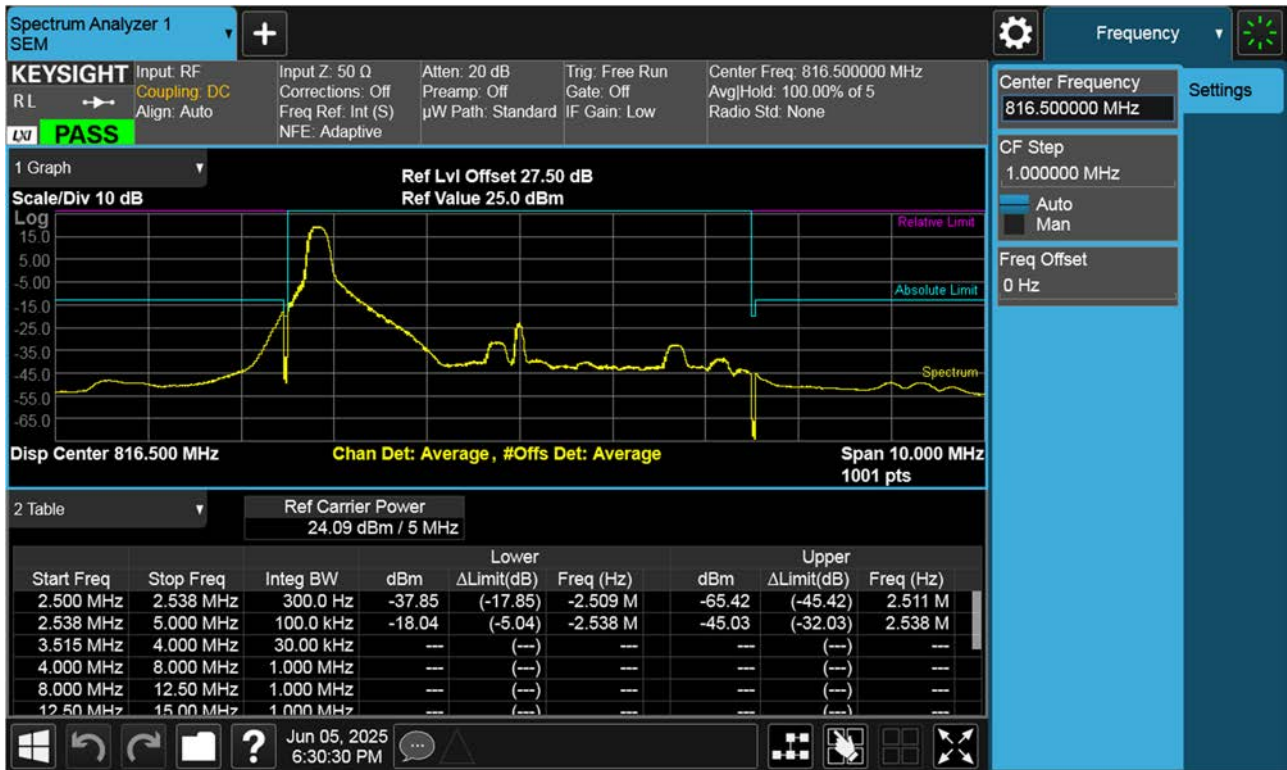
LTE B26_ Lower Channel Edge Plot (3 M BW Ch.26705 QPSK RB 1, Offset 0)



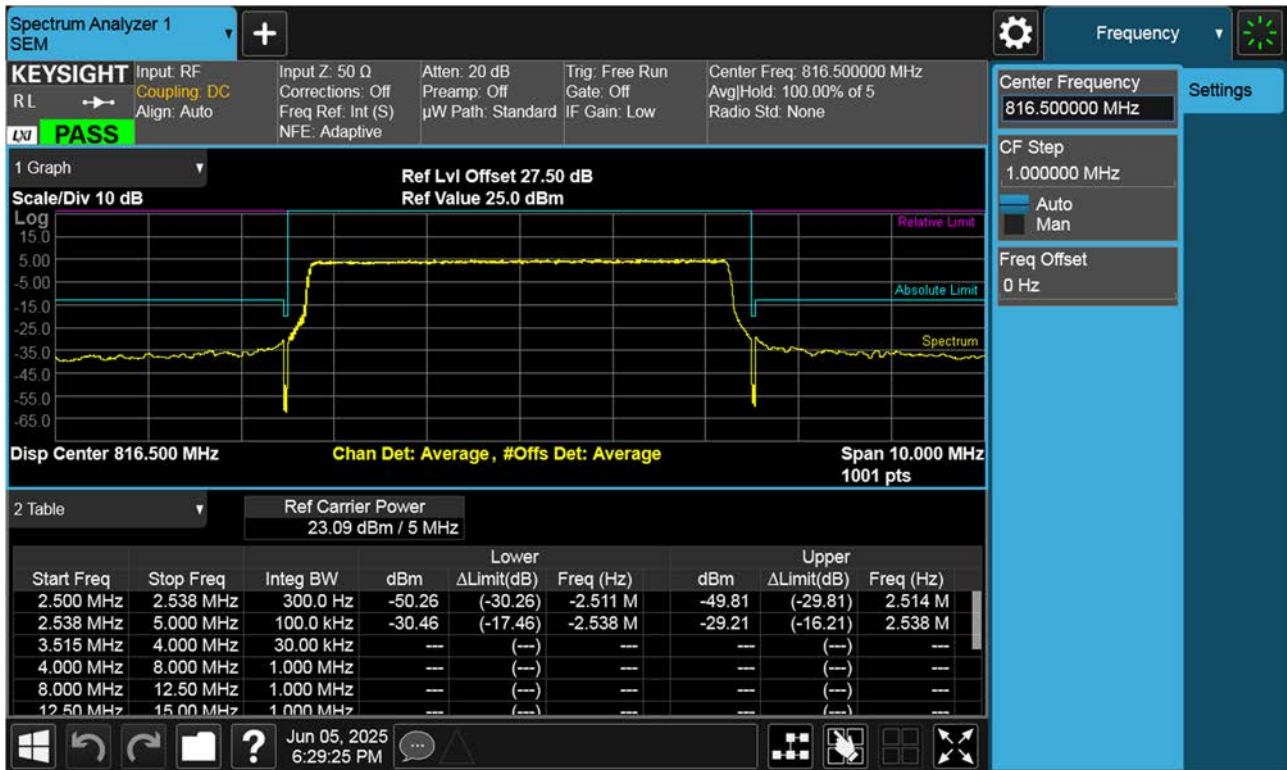
LTE B26_ Lower Channel Edge Plot (3 M BW Ch.26705 QPSK_RB15_Offset 0)



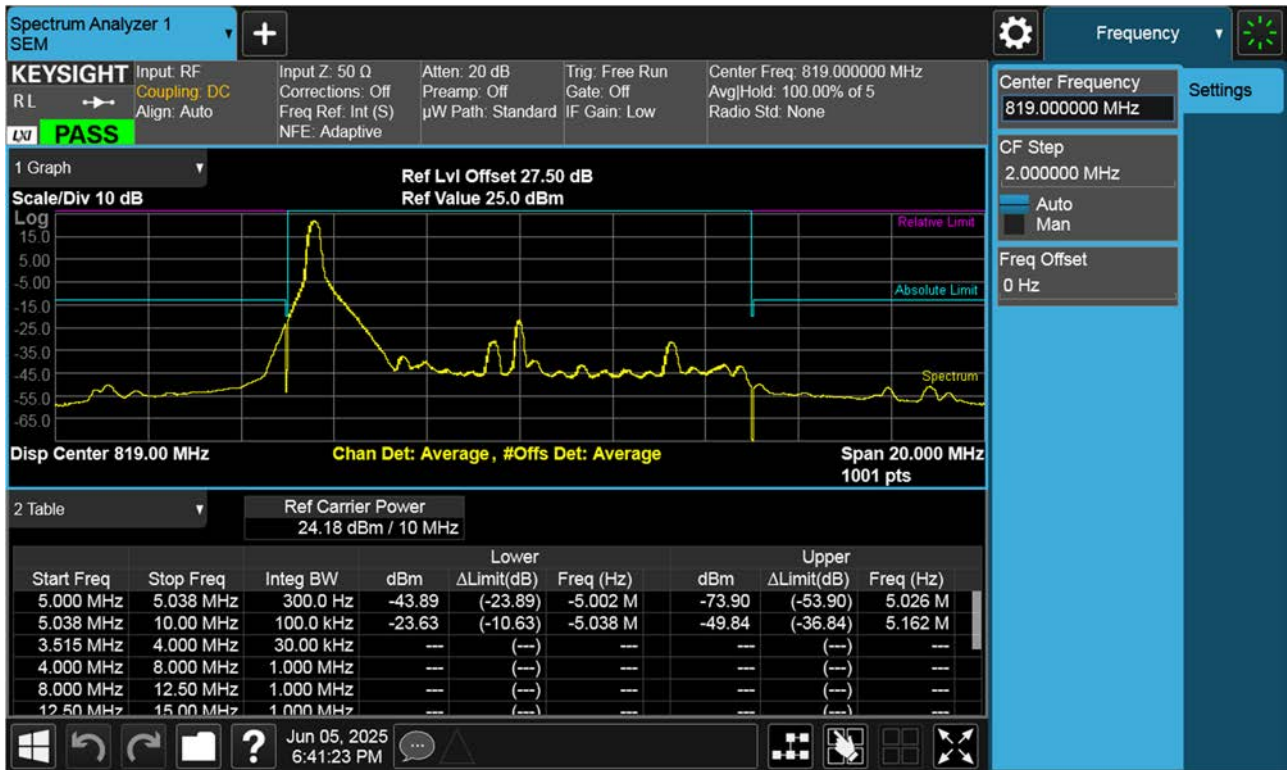
LTE B26_ Lower Channel Edge Plot (5 M BW Ch.26715 QPSK RB 1, Offset 0)



LTE B26_ Lower Channel Edge Plot (5 M BW Ch.26715 QPSK_RB25_Offset 0)



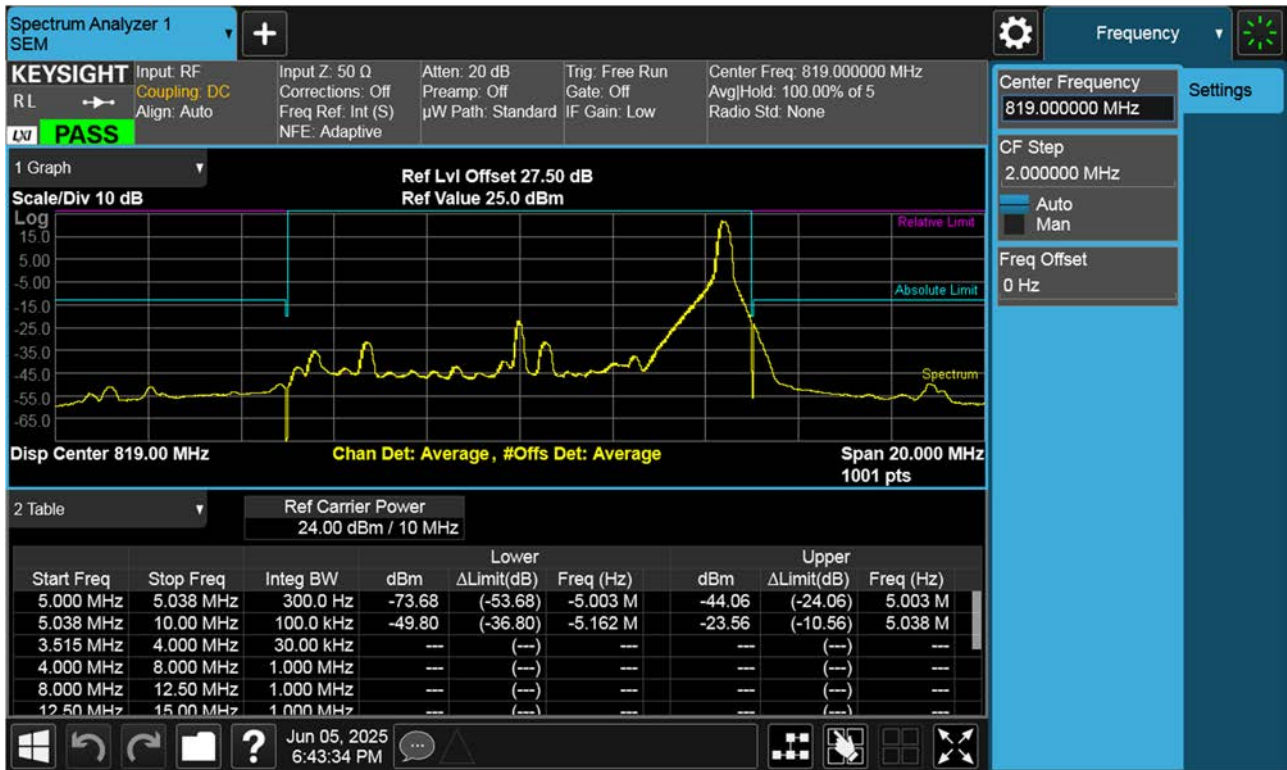
LTE B26_ Low Channel Edge Plot (10 M BW Ch.26740 QPSK RB 1, Offset 0)



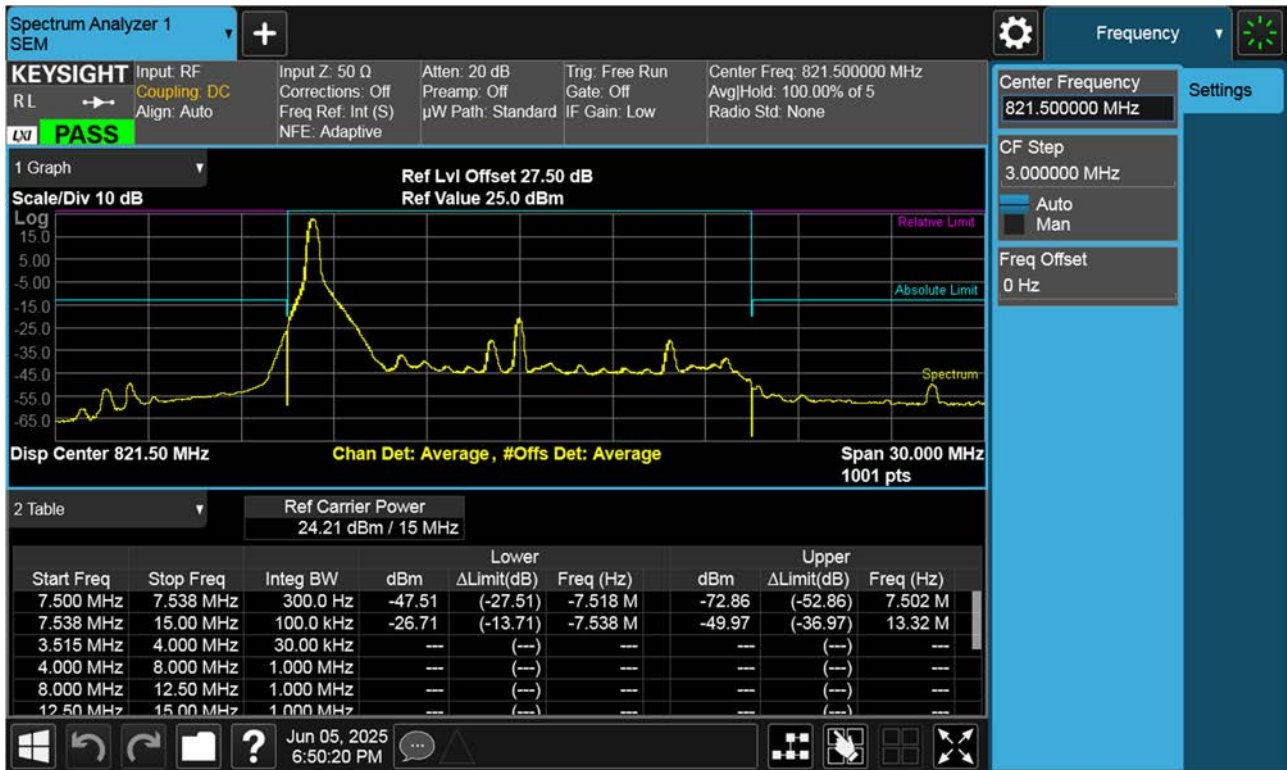
LTE B26_ Low Channel Edge Plot (10 M BW Ch.26740 QPSK_RB50_Offset 0)



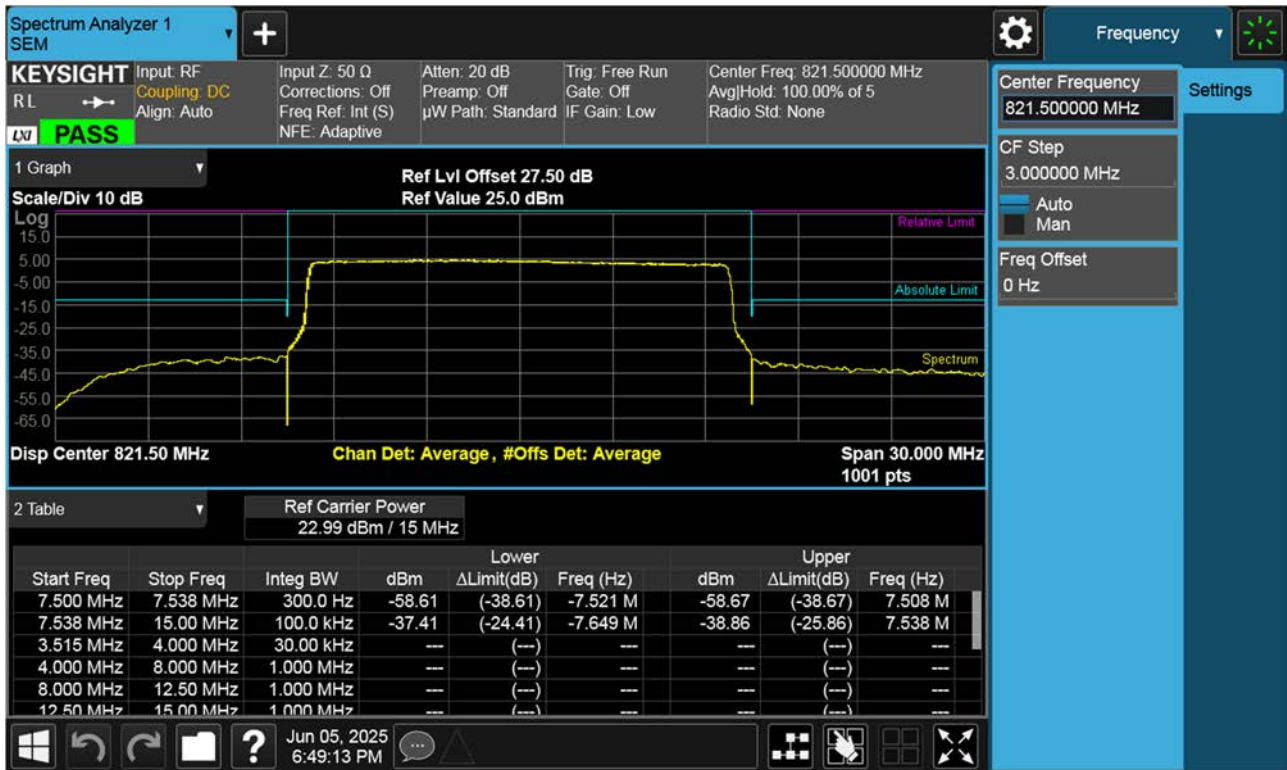
LTE B26_ Mid Channel Edge Plot (10 M BW Ch. 26740 QPSK_RB1_Offset 49)



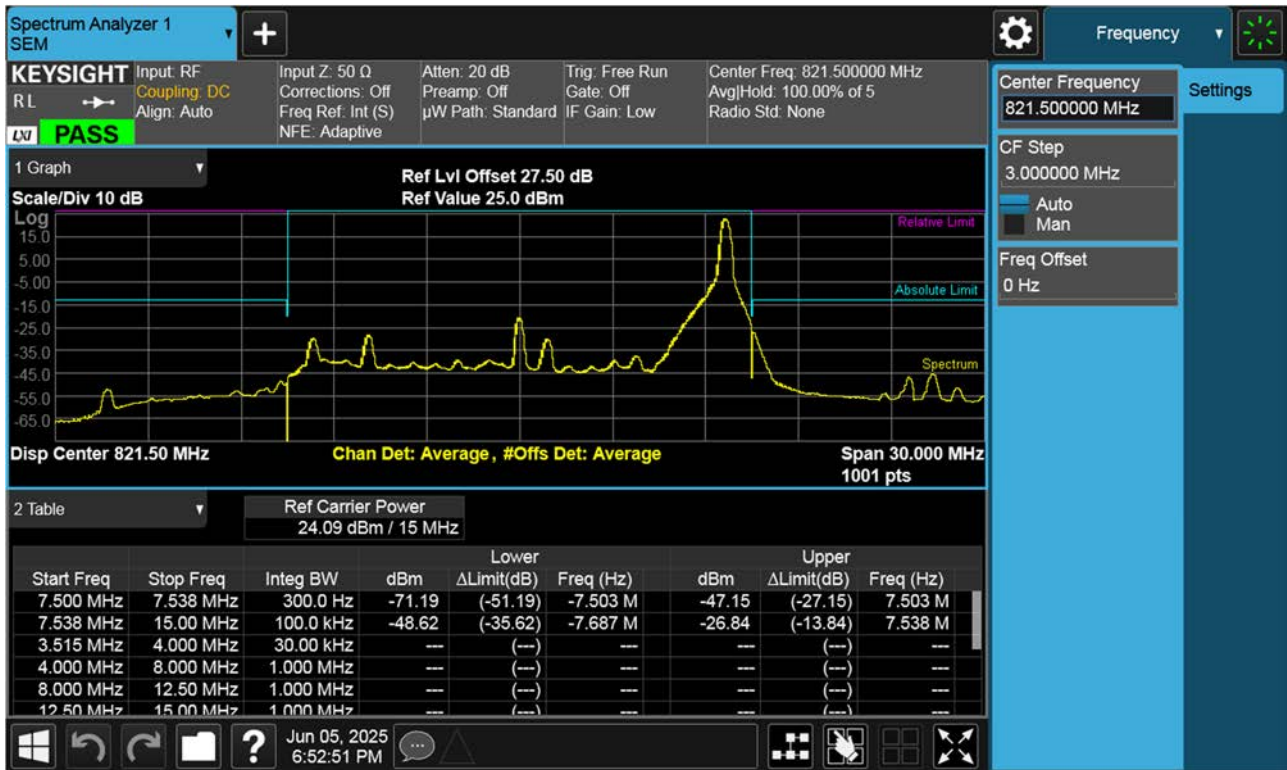
LTE B26_ Low Channel Edge Plot (15 M BW Ch.26765 QPSK RB 1, Offset 0)



LTE B26_ Low Channel Edge Plot (15 M BW Ch.26765 QPSK RB 75, Offset0)



LTE B26_Mid Channel Edge Plot (15 M BW Ch.26765 QPSK_RB1_Offset 74)



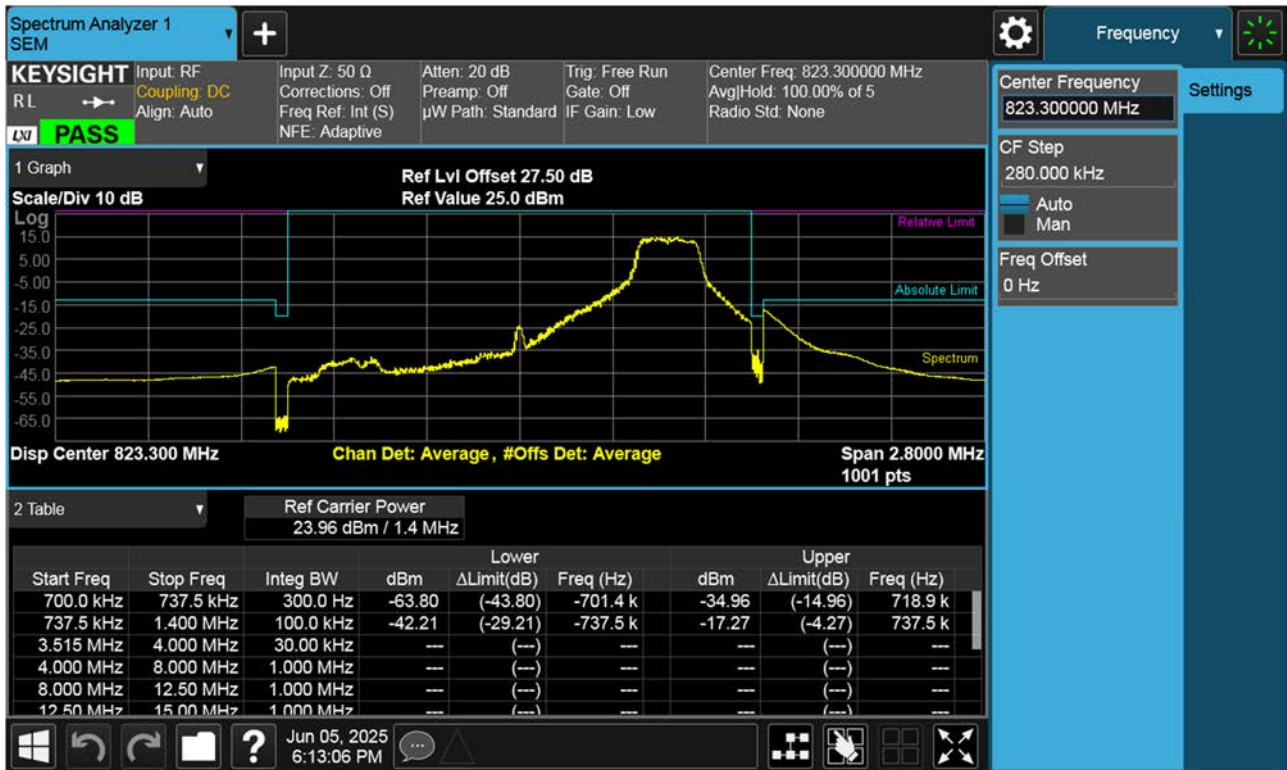
LTE B26_Mid Band Edge Plot (15 M BW Ch.26765 QPSK RB 1, Offset74)



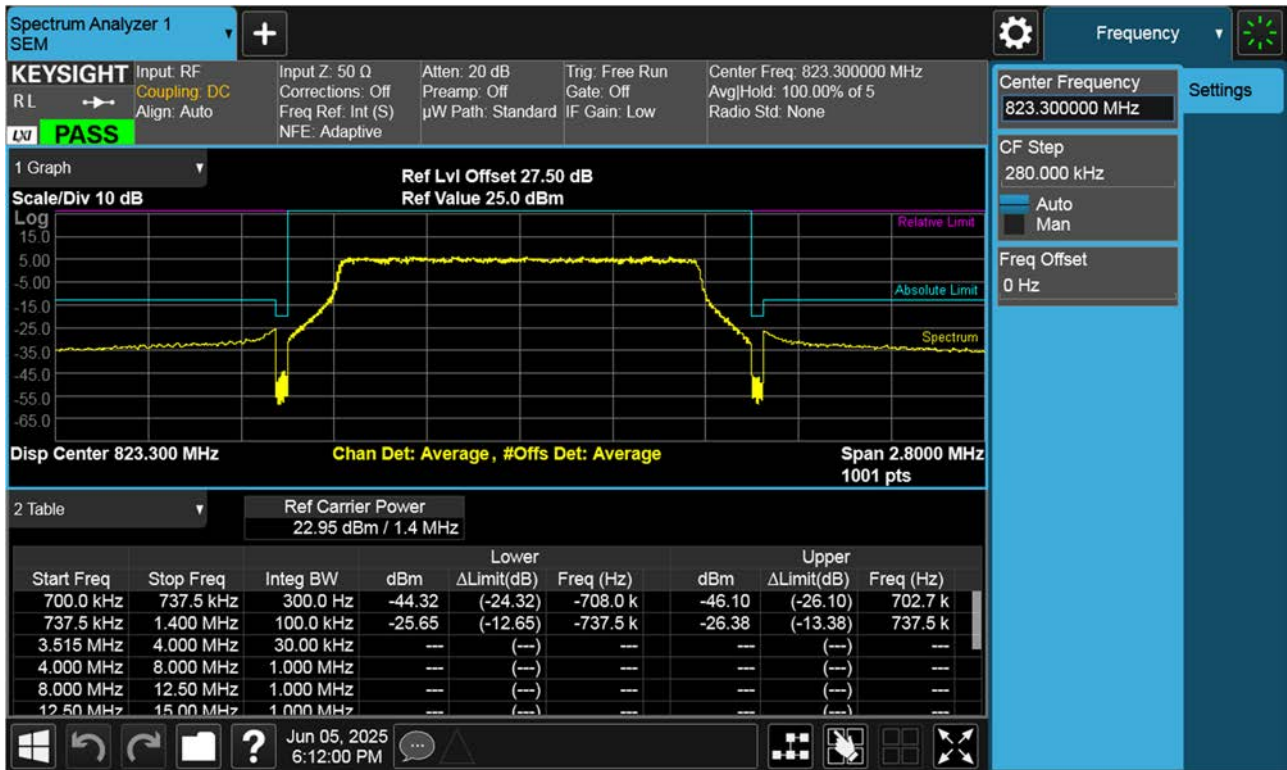
LTE B26_Mid Band Edge Plot (15 M BW Ch.26765 QPSK_RB75_Offset 0)



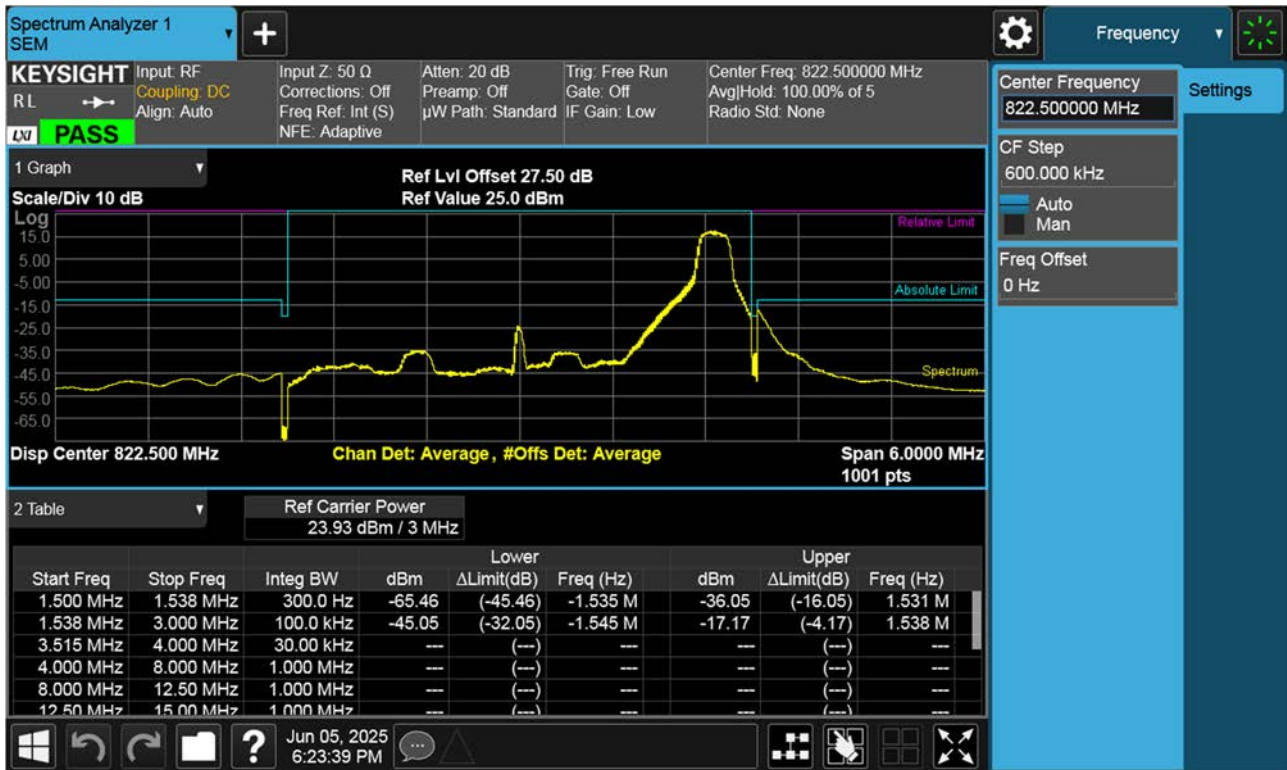
LTE B26_ Upper Channel Edge Plot (1.4 M BW Ch.26783 QPSK_RB1_Offset 5)



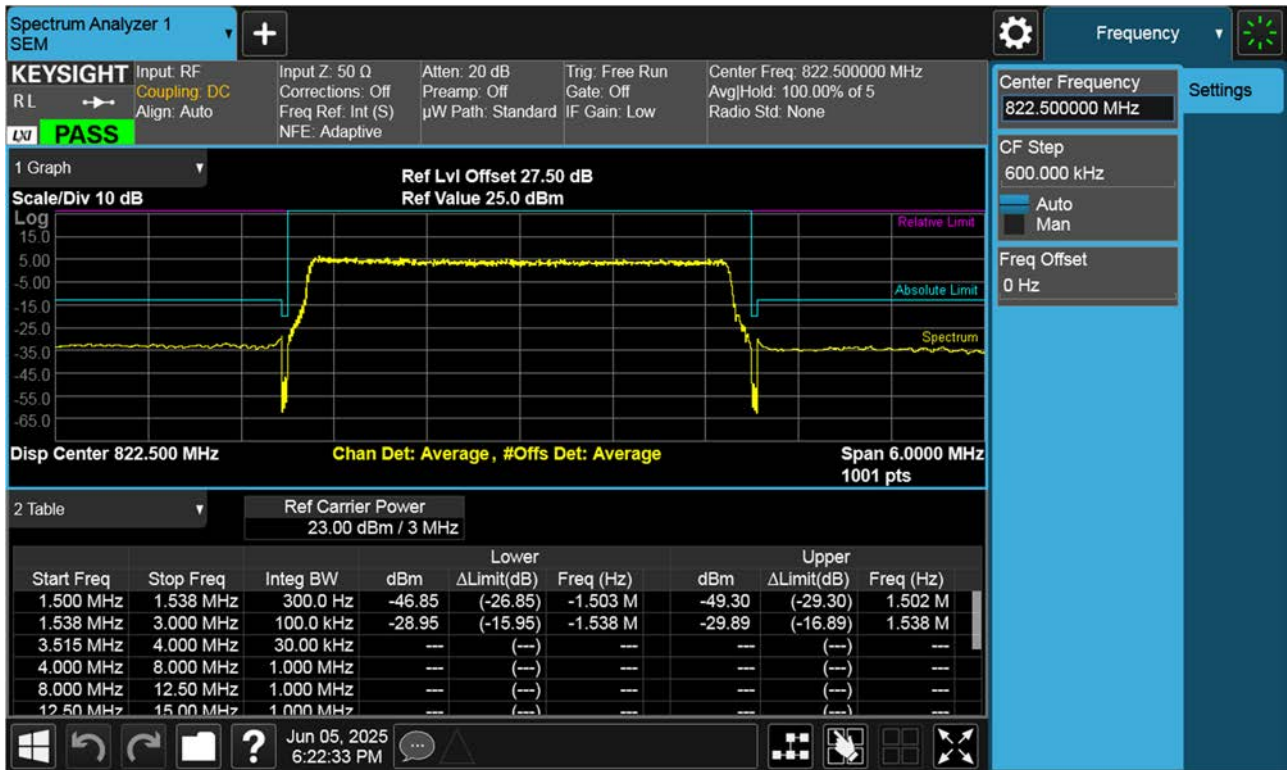
LTE B26_Upper Channel Edge Plot (1.4 M BW Ch.26783 QPSK_RB6_Offset 0)



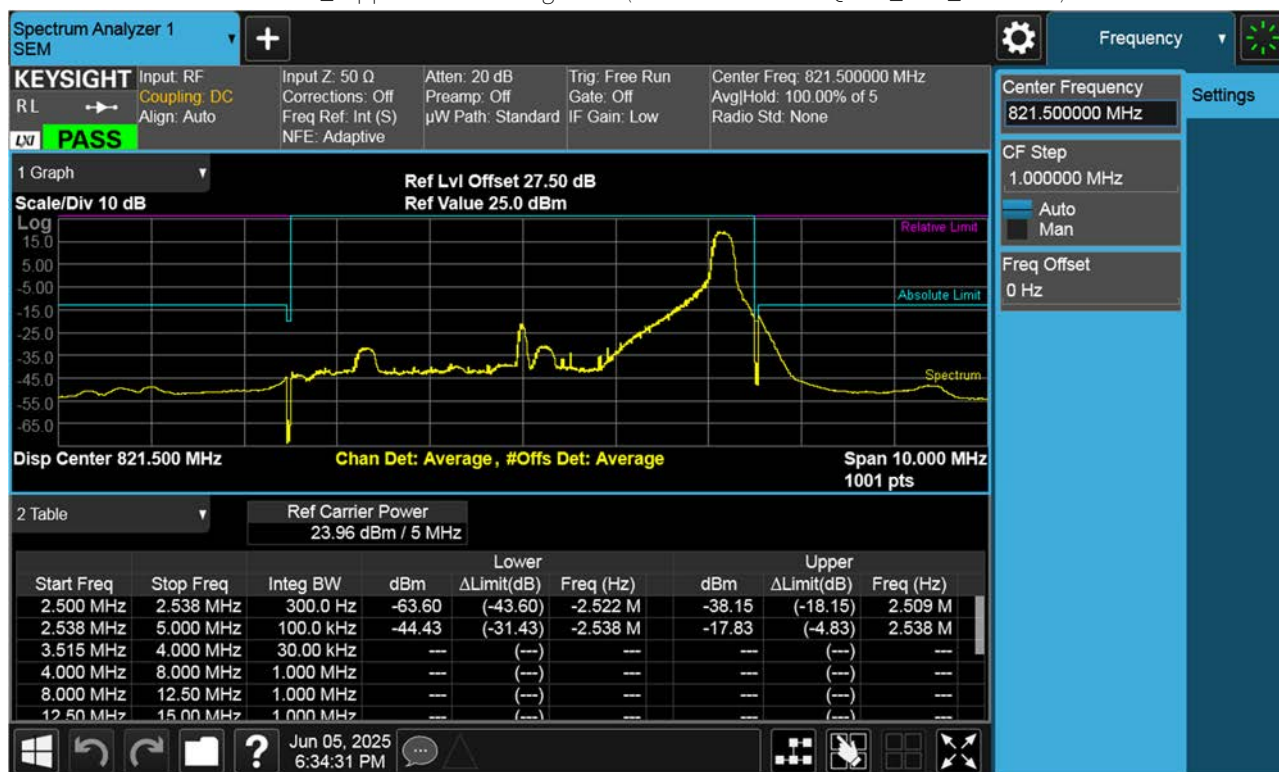
LTE B26_ Upper Channel Edge Plot (3 M BW Ch.26775 QPSK_RB1_Offset 14)



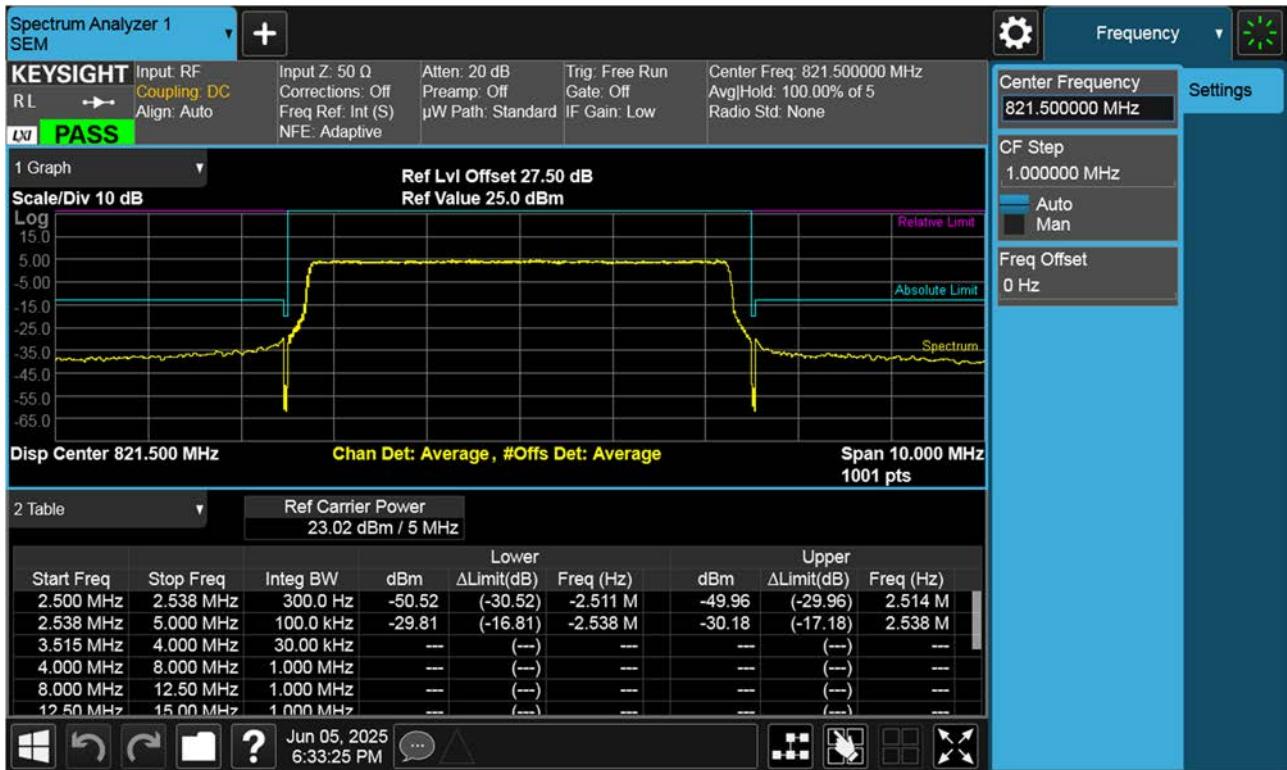
LTE B26_ Upper Channel Edge Plot (3 M BW Ch.26775 QPSK_RB15_Offset 0)



LTE B26_ Upper Channel Edge Plot (5 M BW Ch.26765 QPSK_RB1_Offset 24)

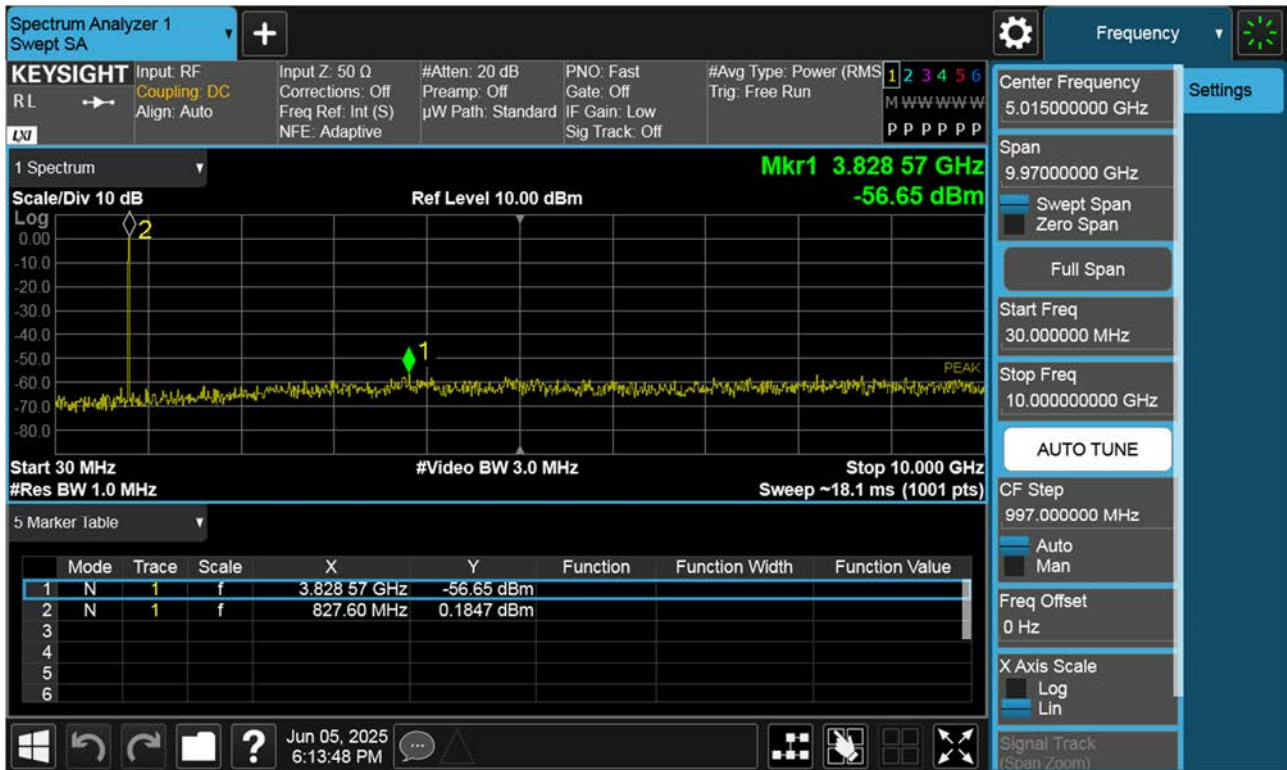


LTE B26_ Upper Channel Edge Plot (5 M BW Ch.26765 QPSK_RB25_Offset 0)

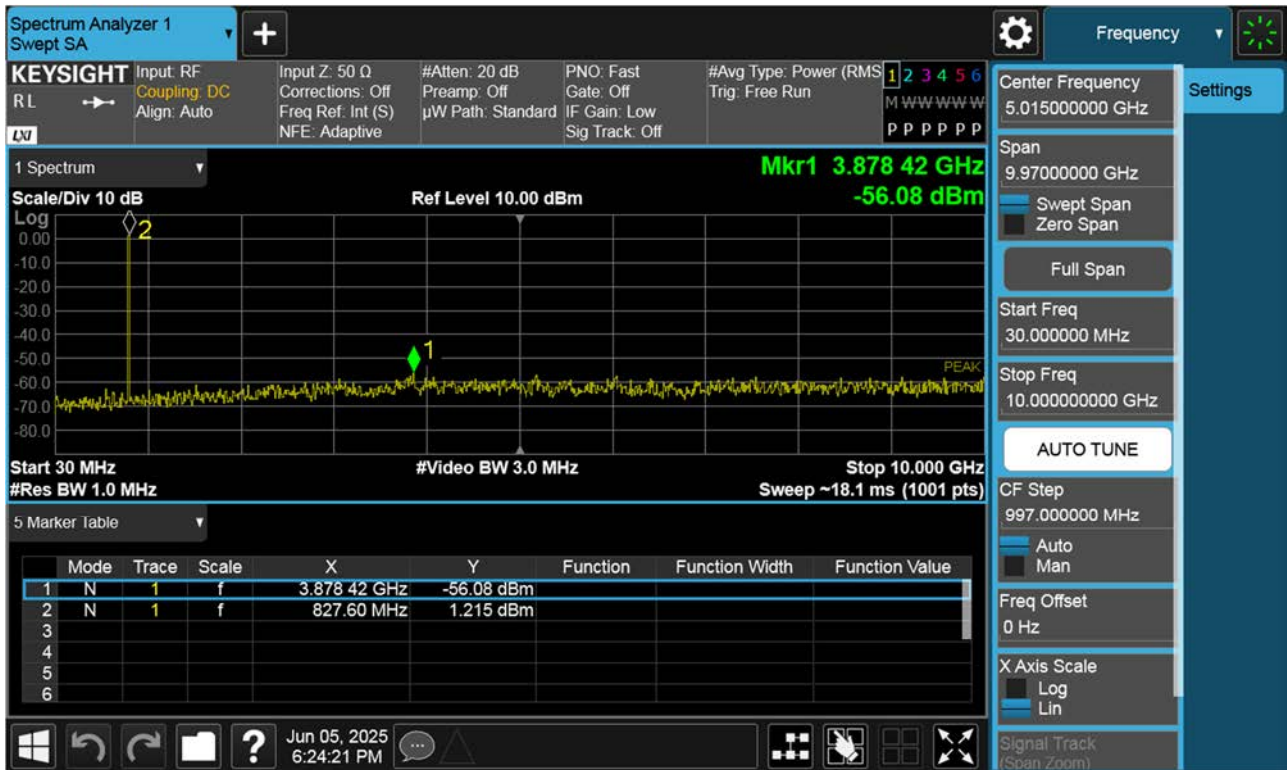


11. TEST PLOTS (STRADDLE CHANNEL)

LTE B26_ Conducted Spurious (1.4 MHz_QPSK_RB 1_0)



LTE B26_ Conducted Spurious (3 MHz_QPSK_RB 1_0)



LTE B26_ Conducted Spurious (5 MHz_QPSK_RB 1_0)

