

FCC Test Report (Part 27: LTE Band 41_CPE)

Report No.: RF181129D01-3

FCC ID: P27-SRE4105T

Test Model: SRE4105T-B41

Series Model: SRE4105Txxxxxx
(1st x should be "blank" or "-", the rest x should be 0 to 9, A to Z, a to z, "blank" or "-", for marketing purpose.)

Received Date: Nov. 29, 2018

Test Date: Dec. 27, 2018 ~ Jan. 22, 2019

Issued Date: Jan. 23, 2019

Applicant: Sercomm Corp.

Address: 8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C. (NanKang Software Park)

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.

**FCC Registration /
Designation Number:** 198487 / TW2021



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Release Control Record

Issue No.	Description	Date Issued
RF181129D01-3	Original release	Jan. 23, 2019

1 Certificate of Conformity

Product: SOHO Magic Box

Brand: Sprint

Test Model: SRE4105T-B41

Series Model: SRE4105Txxxxxx
(1st x should be "blank" or "-", the rest x should be 0 to 9, A to Z, a to z, "blank" or "-", for marketing purpose.)

Sample Status: Engineering sample

Applicant: Sercomm Corp.

Test Date: Dec. 27, 2018 ~ Jan. 22, 2019

Standards: FCC Part 27, Subpart C, M

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by :

Annie Chang

Date: Jan. 23, 2019

Annie Chang / Senior Specialist

Approved by :

Rex Lai

Date: Jan. 23, 2019

Rex Lai / Associate Technical Manager

2 Summary of Test Results

Applied Standard: FCC Part 27 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 27.50 (h)(2)	Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
----	Peak To Average Ratio	Pass	Meet the requirement of limit.
2.1055 27.54	Frequency Stability Stay with the authorized bands of operation	Pass	Meet the requirement of limit.
2.1049 27.53 (m)(6)	Emission Bandwidth	Pass	Meet the requirement of limit.
2.1051 27.53(m)(4)(6)	Band Edge Measurements	Pass	Meet the requirement of limit.
2.1051 27.53(m)(4)(6)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 27.53(m)(4)(6)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -1.42dB at 5370.18MHz.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) ($\pm$)
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	2.38 dB
	30MHz ~ 1000MHz	5.54 dB
Radiated Emissions above 1 GHz	Above 1GHz	5.48 dB

2.2 Test Site and Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
HP Preamplifier	8447D	2432A03504	Feb. 21, 2018	Feb. 20, 2019
HP Preamplifier	8449B	3008A01201	Feb. 22, 2018	Feb. 21, 2019
MITEQ Preamplifier	AMF-6F-260400-33-8P	892164	Feb. 21, 2018	Feb. 20, 2019
Agilent TEST RECEIVER	N9038A	MY51210129	Feb. 6, 2018	Feb. 5, 2019
Schwarzbeck Antenna	VULB 9168	139	Nov. 26, 2018	Nov. 25, 2019
Schwarzbeck Antenna	VHBA 9123	480	May 19, 2017	May 18, 2019
Schwarzbeck Horn Antenna	BBHA-9170	212	Nov. 25, 2018	Nov. 24, 2019
Schwarzbeck Horn Antenna	BBHA 9120-D1	D130	Nov. 25, 2018	Nov. 24, 2019
ADT. Turn Table	TT100	0306	NA	NA
ADT. Tower	AT100	0306	NA	NA
Software	Radiated_V7.6.15.9.5	NA	NA	NA
SUHNER RF cable With 4dB PAD	SF102	Cable-CH6-01	Aug. 13, 2018	Aug. 12, 2019
SUHNER RF cable With 3/4dB PAD	SF102	Cable-CH8-3.6m	Aug. 13, 2018	Aug. 12, 2019
KEYSIGHT MIMO Powermeasurement Test set	U2021XA	U2021XA-001	Jun. 4, 2018	Jun. 3, 2019
KEYSIGHT Spectrum Analyzer	N9030A	MY54490260	Aug. 3, 2018	Aug. 2, 2019
Loop Antenna EMCI	LPA600	270	Aug. 11, 2017	Aug. 10, 2019
EMCO Horn Antenna	3115	00028257	Nov. 25, 2018	Nov. 24, 2019
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	NA	NA
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 27, 2018	Sep. 26, 2019
Anritsu Power Sensor	MA2411B	0738404	Apr. 26, 2018	Apr. 25, 2019
Anritsu Power Meter	ML2495A	0842014	Apr. 26, 2018	Apr. 25, 2019
Anritsu Radio Communication Analyzer	MT8820C	6201300638	Jun. 27, 2018	Jun. 8, 2019

- NOTE:** 1. The calibration interval of the above test instruments is 12/24 months. And the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3. The test was performed in Chamber No. 6.
4. The Industry Canada Reference No. IC 7450E-6.

3 General Information

3.1 General Description of EUT

Product	SOHO Magic Box				
Brand	Sprint				
Test Model	SRE4105T-B41				
Series Model	SRE4105Txxxxxxx (1st x should be "blank" or "-", the rest x should be 0 to 9, A to Z, a to z, "blank" or "-", for marketing purpose.)				
Model Difference	For marketing purpose				
Status of EUT	Engineering sample				
Power Supply Rating	12Vdc from Adapter				
Modulation Type	QPSK, 16QAM, 64QAM				
Operating Frequency	LTE Band 41	Channel Bandwidth 5MHz	2502.5~2567.5MHz, 2622.5~2687.5MHz		
		Channel Bandwidth 10MHz	2505.0~2565.0MHz, 2625.0~2685.0MHz		
		Channel Bandwidth 15MHz	2507.5~2562.5MHz, 2627.5~2682.5MHz		
		Channel Bandwidth 20MHz	2510.0~2560.0MHz, 2630.0~2680.0MHz		
Max. EIRP Power	LTE Band 41		QPSK	16QAM	64QAM
		Channel Bandwidth 5MHz	2123.245mW (33.27dBm)	2079.697mW (33.18dBm)	2070.141mW (33.16dBm)
		Channel Bandwidth 10MHz	3655.948mW (35.63dBm)	3589.219mW (35.55dBm)	3597.493mW (35.56dBm)
		Channel Bandwidth 15MHz	3639.150mW (35.61dBm)	3605.786mW (35.57dBm)	3589.219mW (35.55dBm)
		Channel Bandwidth 20MHz	3647.539mW (35.62dBm)	3597.493mW (35.56dBm)	3564.511mW (35.52dBm)
Emission Designator	LTE Band 41		QPSK	16QAM	64QAM
		Channel Bandwidth 5MHz	4M50G7D	4M50D7W	4M50D7W
		Channel Bandwidth 10MHz	8M97G7D	8M97D7W	8M98D7W
		Channel Bandwidth 15MHz	13M5G7D	13M5D7W	13M4D7W
		Channel Bandwidth 20MHz	18M0G7D	17M9D7W	17M9D7W
Antenna Type	Ant. 2: Dipole antenna with 4.87dBi gain Ant. 1: Dipole antenna with 4.89dBi gain Ant. 6: Dipole antenna with 5.52dBi gain Ant. 5: Dipole antenna with 5.45dBi gain				
Antenna Connector	I-PEX				
Accessory Device	Refer to user's manual				
Data Cable Supplied	N/A				

Note:

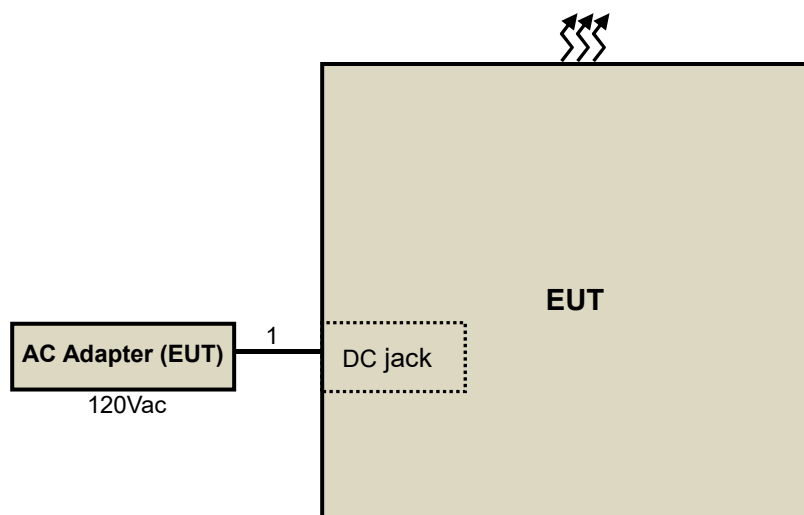
1. The EUT uses following adapter.

Brand	APD
Model	WA-30P12FU
AC Input Power	100-240V, 50-60Hz, 0.9A
DC Output Power	12V, 2.5A
Power Line	Non-shielded DC cable (2.0m)

2. The TX function of antennas is as follows:

Antenna port		TX Function	
Ant. 2	Ant. 1	MIMO	CDD
Ant. 6	Ant. 5	MIMO	

3.2 Configuration of System under Test



3.2.1 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC cable	1	2.0	N	0	Supplied by client

Note: The core(s) is(are) originally attached to the cable(s).

3.3 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	39715 to 40365, 40915 to 41565	39715(2502.5MHz), 40040(2535.0MHz), 40365(2567.5MHz), 40915(2622.5MHz), 41240(2655.0MHz), 41565(2687.5MHz)	5MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset
		39740 to 40340, 40940 to 41540	39740(2505.0MHz), 40040(2535.0MHz), 40340(2565.0MHz), 40940(2625.0MHz), 41240(2655.0MHz), 41540(2685.0MHz)	10MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset
		39765 to 40315, 40965 to 41515	39765(2507.5MHz), 40040(2535.0MHz), 40315(2562.5MHz), 40965(2627.5MHz), 41240(2655.0MHz), 41515(2682.5MHz)	15MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset
		39790 to 40290, 40990 to 41490	39790(2510.0MHz), 40040(2535.0MHz), 40290(2560.0MHz), 40990(2630.0MHz), 41240(2655.0MHz), 41490(2680.0MHz)	20MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	39715 to 40365, 40915 to 41565	40040(2535.0MHz), 41240(2655.0MHz)	5MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset
-	Frequency Stability	39715 to 40365, 40915 to 41565	40040(2535.0MHz), 41240(2655.0MHz)	5MHz	QPSK	1 RB / 0 RB Offset
-	Emission Bandwidth	39715 to 40365, 40915 to 41565	39715(2502.5MHz), 40040(2535.0MHz), 40365(2567.5MHz), 40915(2622.5MHz), 41240(2655.0MHz), 41565(2687.5MHz)	5MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset
		39740 to 40340, 40940 to 41540	39740(2505.0MHz), 40040(2535.0MHz), 40340(2565.0MHz), 40940(2625.0MHz), 41240(2655.0MHz), 41540(2685.0MHz)	10MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset
		39765 to 40315, 40965 to 41515	39765(2507.5MHz), 40040(2535.0MHz), 40315(2562.5MHz), 40965(2627.5MHz), 41240(2655.0MHz), 41515(2682.5MHz)	15MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset
		39790 to 40290, 40990 to 41490	39790(2510.0MHz), 40040(2535.0MHz), 40290(2560.0MHz), 40990(2630.0MHz), 41240(2655.0MHz), 41490(2680.0MHz)	20MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Band Edge	39715 to 40365, 40915 to 41565	39715(2502.5MHz), 40040(2535.0MHz), 40365(2567.5MHz), 40915(2622.5MHz), 41240(2655.0MHz), 41565(2687.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		39740 to 40340, 40940 to 41540	39740(2505.0MHz), 40040(2535.0MHz), 40340(2565.0MHz), 40940(2625.0MHz), 41240(2655.0MHz), 41540(2685.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
		39765 to 40315, 40965 to 41515	39765(2507.5MHz), 40040(2535.0MHz), 40315(2562.5MHz), 40965(2627.5MHz), 41240(2655.0MHz), 41515(2682.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 74 RB Offset 75 RB / 0 RB Offset
		39790 to 40290, 40990 to 41490	39790(2510.0MHz), 40040(2535.0MHz), 40290(2560.0MHz), 40990(2630.0MHz), 41240(2655.0MHz), 41490(2680.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 99 RB Offset 100 RB / 0 RB Offset
-	Peak to Average Ratio	39715 to 40365, 40915 to 41565	39715(2502.5MHz), 40040(2535.0MHz), 40365(2567.5MHz), 40915(2622.5MHz), 41240(2655.0MHz), 41565(2687.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		39740 to 40340, 40940 to 41540	39740(2505.0MHz), 40040(2535.0MHz), 40340(2565.0MHz), 40940(2625.0MHz), 41240(2655.0MHz), 41540(2685.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		39765 to 40315, 40965 to 41515	39765(2507.5MHz), 40040(2535.0MHz), 40315(2562.5MHz), 40965(2627.5MHz), 41240(2655.0MHz), 41515(2682.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		39790 to 40290, 40990 to 41490	39790(2510.0MHz), 40040(2535.0MHz), 40290(2560.0MHz), 40990(2630.0MHz), 41240(2655.0MHz), 41490(2680.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Conducted Emission	39715 to 40365, 40915 to 41565	39715(2502.5MHz), 40040(2535.0MHz), 40365(2567.5MHz), 40915(2622.5MHz), 41240(2655.0MHz), 41565(2687.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		39740 to 40340, 40940 to 41540	39740(2505.0MHz), 40040(2535.0MHz), 40340(2565.0MHz), 40940(2625.0MHz), 41240(2655.0MHz), 41540(2685.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		39765 to 40315, 40965 to 41515	39765(2507.5MHz), 40040(2535.0MHz), 40315(2562.5MHz), 40965(2627.5MHz), 41240(2655.0MHz), 41515(2682.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		39790 to 40290, 40990 to 41490	39790(2510.0MHz), 40040(2535.0MHz), 40290(2560.0MHz), 40990(2630.0MHz), 41240(2655.0MHz), 41490(2680.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	39715 to 40365, 40915 to 41565	39715(2502.5MHz), 40915(2622.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		39740 to 40340, 40940 to 41540	39740(2505.0MHz), 40940(2625.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		39765 to 40315, 40965 to 41515	39765(2507.5MHz), 40965(2627.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		39790 to 40290, 40990 to 41490	39790(2510.0MHz), 40990(2630.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Radiated Emission Above 1GHz	39715 to 40365, 40915 to 41565	39715(2502.5MHz), 40040(2535.0MHz), 40365(2567.5MHz), 40915(2622.5MHz), 41240(2655.0MHz), 41565(2687.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		39740 to 40340, 40940 to 41540	39740(2505.0MHz), 40040(2535.0MHz), 40340(2565.0MHz), 40940(2625.0MHz), 41240(2655.0MHz), 41540(2685.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		39765 to 40315, 40965 to 41515	39765(2507.5MHz), 40040(2535.0MHz), 40315(2562.5MHz), 40965(2627.5MHz), 41240(2655.0MHz), 41515(2682.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		39790 to 40290, 40990 to 41490	39790(2510.0MHz), 40040(2535.0MHz), 40290(2560.0MHz), 40990(2630.0MHz), 41240(2655.0MHz), 41490(2680.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note: The conducted output power for QPSK, 16QAM and 64QAM, measured value of QPSK is higher than 16QAM and 64QAM mode. Therefore, only EIRP, Modulation Characteristics and Emission Bandwidth items had been tested under QPSK, 16QAM and 64QAM modes, the other test items were performed under QPSK mode only.

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
EIRP	25deg. C, 74%RH	120Vac, 60Hz	Dalen Dai
Modulation characteristics	25deg. C, 76%RH	120Vac, 60Hz	Dalen Dai
Frequency Stability	25deg. C, 76%RH	120Vac, 60Hz	Dalen Dai
Occupied Bandwidth	25deg. C, 76%RH	120Vac, 60Hz	Dalen Dai
Band Edge	25deg. C, 76%RH	120Vac, 60Hz	Dalen Dai
Peak To Average Ratio	25deg. C, 76%RH	120Vac, 60Hz	Dalen Dai
Conducted Emission	25deg. C, 76%RH	120Vac, 60Hz	Dalen Dai
Radiated Emission	18deg. C, 78%RH	120Vac, 60Hz	StarItaly Wu

3.4 EUT Operating Conditions

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

3.5 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 27

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

Note: All test items have been performed and recorded as per the above standards.

4 Test Types and Results

4.1 Output Power Measurement

4.1.1 Limits of Output Power Measurement

All user stations are limited to 2.0 watts transmitter output power.

4.1.2 Test Procedures

EIRP / ERP Measurement:

- a. All measurements were done at low, middle and high operational frequency range. RWB and VBW is 5MHz for LTE Mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m(below or equal 1GHz) and/or 1.5m(above 1GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G
- d. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $E.R.P \text{ power} = E.I.R.P \text{ power} - 2.15\text{dBi}$.

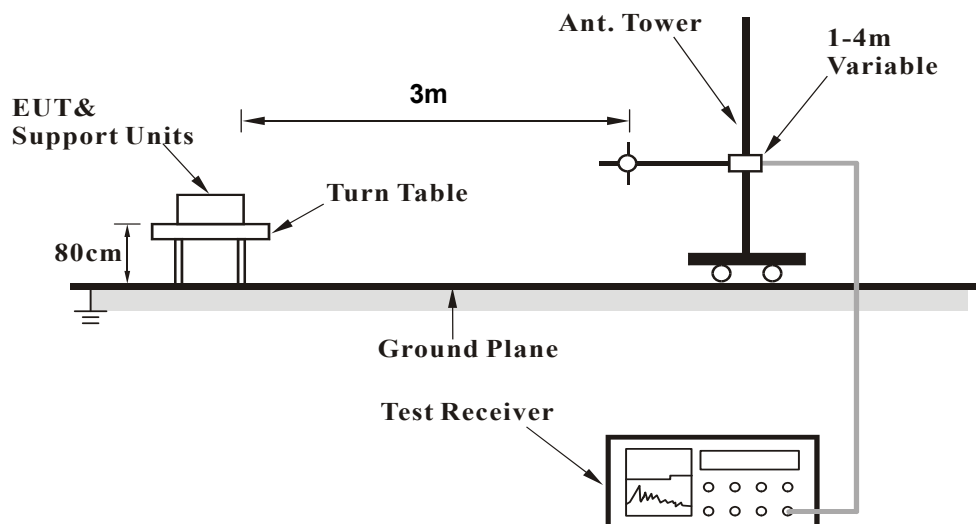
Conducted Power Measurement:

A power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

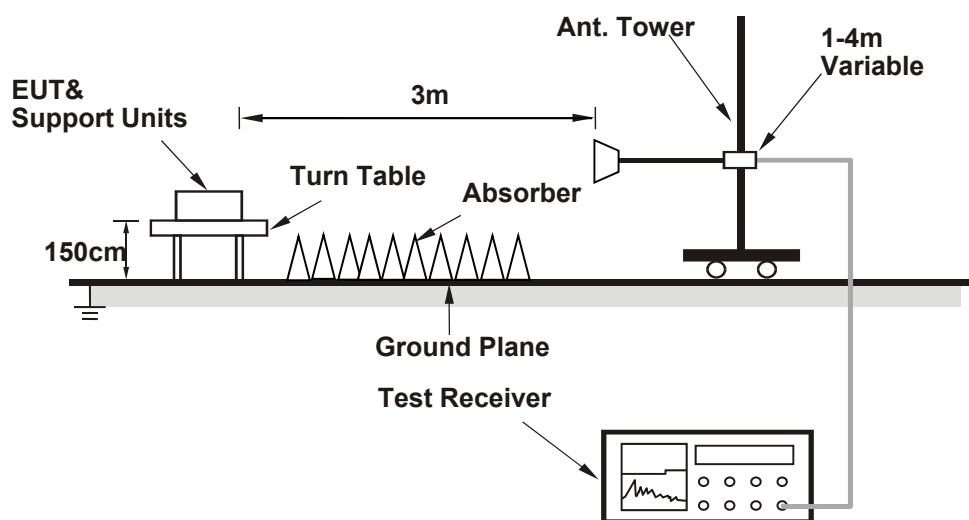
4.1.3 Test Setup

EIRP / ERP MEASUREMENT:

For Radiated Emission below or equal 1GHz

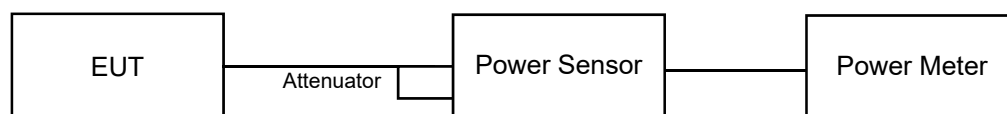


For Radiated Emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

CONDUCTED POWER MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.4 Test Results

Conducted Output Power (dBm)

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2502.5~2567.5 MHz Band								
		Low Channel		39715								
		Frequency (MHz)		2502.5								
		Antenna Part	A			B			A+B	Limit	Margin	
Chain 0	Chain 1		Total	Chain 0	Chain 1	Total	Total					
5M	QPSK	1	0	20.99	21.08	24.05	20.85	20.56	23.72	26.90	33.00	-6.10
		1	12	21.00	21.04	24.03	20.84	20.54	23.70	26.88	33.00	-6.12
		1	24	20.94	21.06	24.01	20.83	20.52	23.69	26.86	33.00	-6.14
		12	0	20.98	21.06	24.03	20.82	20.55	23.70	26.88	33.00	-6.12
		12	6	20.91	21.00	23.97	20.92	20.59	23.77	26.88	33.00	-6.12
		12	13	20.91	20.94	23.94	20.91	20.56	23.75	26.85	33.00	-6.15
		25	0	20.94	20.98	23.97	20.92	20.60	23.77	26.88	33.00	-6.12
	16QAM	1	0	20.82	20.85	23.85	20.66	20.37	23.53	26.70	33.00	-6.30
		1	12	20.77	20.82	23.81	20.57	20.35	23.47	26.65	33.00	-6.35
		1	24	20.77	20.89	23.84	20.61	20.28	23.46	26.66	33.00	-6.34
		12	0	20.77	20.85	23.82	20.65	20.34	23.51	26.68	33.00	-6.32
		12	6	20.70	20.82	23.77	20.67	20.38	23.54	26.67	33.00	-6.33
		12	13	20.67	20.76	23.73	20.71	20.35	23.54	26.65	33.00	-6.35
		25	0	20.74	20.81	23.79	20.71	20.41	23.57	26.69	33.00	-6.31
	64QAM	1	0	20.80	20.79	23.81	20.62	20.39	23.52	26.67	33.00	-6.33
		1	12	20.75	20.79	23.78	20.58	20.35	23.48	26.64	33.00	-6.36
		1	24	20.75	20.87	23.82	20.52	20.33	23.44	26.64	33.00	-6.36
		12	0	20.76	20.77	23.78	20.64	20.38	23.52	26.66	33.00	-6.34
		12	6	20.71	20.73	23.73	20.65	20.39	23.53	26.64	33.00	-6.36
		12	13	20.63	20.73	23.69	20.63	20.36	23.51	26.61	33.00	-6.39
		25	0	20.65	20.79	23.73	20.69	20.36	23.54	26.65	33.00	-6.35

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2502.5~2567.5 MHz Band								
		Mid Channel		40040								
		Frequency (MHz)		2535.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
5M	QPSK	1	0	20.92	21.00	23.97	20.88	20.65	23.78	26.89	33.00	-6.11
		1	12	20.86	20.99	23.94	20.79	20.60	23.71	26.83	33.00	-6.17
		1	24	20.94	20.96	23.96	20.85	20.52	23.70	26.84	33.00	-6.16
		12	0	21.00	20.98	24.00	20.77	20.61	23.70	26.86	33.00	-6.14
		12	6	20.92	20.92	23.93	20.75	20.65	23.71	26.83	33.00	-6.17
		12	13	20.90	20.94	23.93	20.86	20.67	23.78	26.86	33.00	-6.14
		25	0	20.97	20.92	23.96	20.94	20.57	23.77	26.87	33.00	-6.13
	16QAM	1	0	20.69	20.80	23.76	20.69	20.49	23.60	26.69	33.00	-6.31
		1	12	20.73	20.77	23.76	20.58	20.40	23.50	26.64	33.00	-6.36
		1	24	20.74	20.72	23.74	20.66	20.37	23.53	26.65	33.00	-6.35
		12	0	20.78	20.73	23.77	20.57	20.40	23.50	26.64	33.00	-6.36
		12	6	20.73	20.70	23.73	20.56	20.46	23.52	26.63	33.00	-6.37
		12	13	20.68	20.72	23.71	20.64	20.49	23.58	26.65	33.00	-6.35
		25	0	20.75	20.68	23.73	20.65	20.41	23.54	26.64	33.00	-6.36
	64QAM	1	0	20.63	20.78	23.72	20.62	20.37	23.51	26.62	33.00	-6.38
		1	12	20.66	20.76	23.72	20.55	20.36	23.47	26.61	33.00	-6.39
		1	24	20.68	20.71	23.71	20.58	20.37	23.49	26.61	33.00	-6.39
		12	0	20.75	20.67	23.72	20.48	20.37	23.44	26.59	33.00	-6.41
		12	6	20.68	20.65	23.68	20.45	20.36	23.42	26.56	33.00	-6.44
		12	13	20.72	20.63	23.69	20.53	20.42	23.49	26.60	33.00	-6.40
		25	0	20.78	20.63	23.72	20.53	20.36	23.46	26.60	33.00	-6.40

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2502.5~2567.5 MHz Band								
		High Channel		40365								
		Frequency (MHz)		2567.5								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
5M	QPSK	1	0	20.86	21.06	23.97	20.81	20.58	23.71	26.85	33.00	-6.15
		1	12	20.80	20.94	23.88	20.80	20.56	23.69	26.80	33.00	-6.20
		1	24	20.71	20.87	23.80	20.76	20.51	23.65	26.74	33.00	-6.26
		12	0	20.69	20.91	23.81	20.80	20.56	23.69	26.76	33.00	-6.24
		12	6	20.76	20.87	23.83	20.70	20.49	23.61	26.73	33.00	-6.27
		12	13	20.67	20.89	23.79	20.68	20.50	23.60	26.71	33.00	-6.29
		25	0	20.77	20.91	23.85	20.83	20.56	23.71	26.79	33.00	-6.21
	16QAM	1	0	20.61	20.81	23.72	20.61	20.37	23.50	26.62	33.00	-6.38
		1	12	20.57	20.73	23.66	20.57	20.38	23.49	26.58	33.00	-6.42
		1	24	20.55	20.62	23.60	20.59	20.34	23.48	26.55	33.00	-6.45
		12	0	20.49	20.69	23.60	20.55	20.38	23.48	26.55	33.00	-6.45
		12	6	20.52	20.67	23.61	20.55	20.30	23.44	26.53	33.00	-6.47
		12	13	20.48	20.70	23.60	20.50	20.29	23.41	26.52	33.00	-6.48
		25	0	20.58	20.70	23.65	20.60	20.32	23.47	26.57	33.00	-6.43
	64QAM	1	0	20.59	20.77	23.69	20.51	20.35	23.44	26.58	33.00	-6.42
		1	12	20.43	20.66	23.56	20.52	20.37	23.46	26.52	33.00	-6.48
		1	24	20.52	20.66	23.60	20.46	20.34	23.41	26.52	33.00	-6.48
		12	0	20.43	20.67	23.56	20.53	20.36	23.46	26.52	33.00	-6.48
		12	6	20.45	20.61	23.54	20.41	20.31	23.37	26.47	33.00	-6.53
		12	13	20.40	20.56	23.49	20.42	20.35	23.40	26.45	33.00	-6.55
		25	0	20.55	20.61	23.59	20.53	20.37	23.46	26.54	33.00	-6.46

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2622.5~2687.5 MHz Band								
		Low Channel		40915								
		Frequency (MHz)		2622.5								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
5M	QPSK	1	0	20.94	20.96	23.96	20.77	20.55	23.67	26.83	33.00	-6.17
		1	12	20.89	20.93	23.92	20.83	20.46	23.66	26.80	33.00	-6.20
		1	24	20.83	20.89	23.87	20.74	20.40	23.58	26.74	33.00	-6.26
		12	0	20.84	20.95	23.91	20.82	20.47	23.66	26.79	33.00	-6.21
		12	6	20.81	20.91	23.87	20.80	20.52	23.67	26.78	33.00	-6.22
		12	13	20.76	20.91	23.85	20.73	20.55	23.65	26.76	33.00	-6.24
		25	0	20.82	20.88	23.86	20.81	20.44	23.64	26.76	33.00	-6.24
	16QAM	1	0	20.74	20.74	23.75	20.53	20.35	23.45	26.61	33.00	-6.39
		1	12	20.65	20.71	23.69	20.52	20.37	23.46	26.59	33.00	-6.41
		1	24	20.67	20.76	23.73	20.53	20.31	23.43	26.59	33.00	-6.41
		12	0	20.65	20.70	23.69	20.53	20.38	23.47	26.59	33.00	-6.41
		12	6	20.59	20.68	23.65	20.54	20.41	23.49	26.58	33.00	-6.42
		12	13	20.56	20.70	23.64	20.56	20.35	23.47	26.56	33.00	-6.44
		25	0	20.68	20.66	23.68	20.58	20.36	23.48	26.59	33.00	-6.41
	64QAM	1	0	20.59	20.68	23.65	20.48	20.37	23.44	26.55	33.00	-6.45
		1	12	20.56	20.67	23.63	20.48	20.34	23.42	26.53	33.00	-6.47
		1	24	20.61	20.70	23.67	20.45	20.30	23.39	26.54	33.00	-6.46
		12	0	20.53	20.63	23.59	20.55	20.34	23.46	26.53	33.00	-6.47
		12	6	20.57	20.63	23.61	20.54	20.35	23.46	26.54	33.00	-6.46
		12	13	20.49	20.59	23.55	20.53	20.40	23.48	26.52	33.00	-6.48
		25	0	20.60	20.62	23.62	20.49	20.35	23.43	26.54	33.00	-6.46

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2622.5~2687.5 MHz Band								
		Mid Channel		41240								
		Frequency (MHz)		2655.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
5M	QPSK	1	0	20.84	20.87	23.87	20.79	20.52	23.67	26.78	33.00	-6.22
		1	12	20.76	20.82	23.80	20.76	20.48	23.63	26.73	33.00	-6.27
		1	24	20.75	20.79	23.78	20.74	20.47	23.62	26.71	33.00	-6.29
		12	0	20.82	20.86	23.85	20.76	20.44	23.61	26.74	33.00	-6.26
		12	6	20.80	20.79	23.81	20.68	20.54	23.62	26.72	33.00	-6.28
		12	13	20.79	20.86	23.84	20.78	20.57	23.69	26.77	33.00	-6.23
		25	0	20.86	20.81	23.85	20.70	20.51	23.62	26.74	33.00	-6.26
	16QAM	1	0	20.61	20.69	23.66	20.56	20.36	23.47	26.58	33.00	-6.42
		1	12	20.56	20.65	23.62	20.55	20.37	23.47	26.55	33.00	-6.45
		1	24	20.64	20.65	23.66	20.51	20.34	23.44	26.56	33.00	-6.44
		12	0	20.63	20.61	23.63	20.59	20.36	23.49	26.57	33.00	-6.43
		12	6	20.56	20.62	23.60	20.47	20.35	23.42	26.52	33.00	-6.48
		12	13	20.59	20.61	23.61	20.56	20.36	23.47	26.55	33.00	-6.45
		25	0	20.69	20.62	23.67	20.50	20.35	23.44	26.56	33.00	-6.44
	64QAM	1	0	20.56	20.65	23.62	20.47	20.39	23.44	26.54	33.00	-6.46
		1	12	20.49	20.63	23.57	20.49	20.33	23.42	26.51	33.00	-6.49
		1	24	20.56	20.57	23.58	20.47	20.31	23.40	26.50	33.00	-6.50
		12	0	20.59	20.60	23.61	20.43	30.35	30.77	31.53	33.00	-1.47
		12	6	20.53	20.57	23.56	20.45	20.34	23.41	26.49	33.00	-6.51
		12	13	20.54	20.53	23.55	20.44	20.36	23.41	26.49	33.00	-6.51
		25	0	20.56	20.58	23.58	20.49	20.33	23.42	26.51	33.00	-6.49

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2622.5~2687.5 MHz Band								
		High Channel		41565								
		Frequency (MHz)		2687.5								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
5M	QPSK	1	0	20.74	20.87	23.82	20.73	20.57	23.66	26.75	33.00	-6.25
		1	12	20.69	20.82	23.77	20.67	20.42	23.56	26.67	33.00	-6.33
		1	24	20.62	20.77	23.71	20.60	20.43	23.53	26.63	33.00	-6.37
		12	0	20.57	20.79	23.69	20.65	20.46	23.57	26.64	33.00	-6.36
		12	6	20.60	20.76	23.69	20.59	20.41	23.51	26.61	33.00	-6.39
		12	13	20.67	20.80	23.75	20.55	20.44	23.51	26.64	33.00	-6.36
		25	0	20.67	20.82	23.76	20.70	20.48	23.60	26.69	33.00	-6.31
	16QAM	1	0	20.53	20.67	23.61	20.57	20.38	23.49	26.56	33.00	-6.44
		1	12	20.46	20.64	23.56	20.47	20.37	23.43	26.51	33.00	-6.49
		1	24	20.46	20.61	23.55	20.41	20.41	23.42	26.49	33.00	-6.51
		12	0	20.39	20.60	23.51	20.49	20.37	23.44	26.48	33.00	-6.52
		12	6	20.46	20.60	23.54	20.39	20.34	23.38	26.47	33.00	-6.53
		12	13	20.47	20.60	23.55	20.38	20.34	23.37	26.47	33.00	-6.53
		25	0	20.51	20.62	23.58	20.48	20.38	23.44	26.52	33.00	-6.48
	64QAM	1	0	20.43	20.64	23.55	20.49	20.36	23.44	26.50	33.00	-6.50
		1	12	20.41	20.62	23.53	20.42	20.38	23.41	26.48	33.00	-6.52
		1	24	20.39	20.50	23.46	20.34	20.34	23.35	26.41	33.00	-6.59
		12	0	20.35	20.55	23.46	20.39	20.35	23.38	26.43	33.00	-6.57
		12	6	20.31	20.51	23.42	20.32	20.37	23.36	26.40	33.00	-6.60
		12	13	20.41	20.52	23.48	20.31	20.36	23.35	26.42	33.00	-6.58
		25	0	20.41	20.55	23.49	20.48	20.38	23.44	26.48	33.00	-6.52

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2505.0~2565.0 MHz Band								
		Low Channel		39740								
		Frequency (MHz)		2505.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
10M	QPSK	1	0	22.96	23.07	26.03	22.86	22.58	25.73	28.89	33.00	-4.11
		1	24	22.89	23.05	25.98	22.79	22.53	25.67	28.84	33.00	-4.16
		1	49	22.93	23.00	25.98	22.83	22.55	25.70	28.85	33.00	-4.15
		25	0	22.89	22.92	25.92	22.84	22.50	25.68	28.81	33.00	-4.19
		25	12	22.89	22.91	25.91	22.80	22.52	25.67	28.80	33.00	-4.20
		25	25	22.90	22.96	25.94	22.78	22.54	25.67	28.82	33.00	-4.18
		50	0	22.83	22.97	25.91	22.91	22.55	25.74	28.84	33.00	-4.16
	16QAM	1	0	22.71	22.83	25.78	22.66	22.34	25.51	28.66	33.00	-4.34
		1	24	22.71	22.82	25.78	22.55	22.32	25.45	28.62	33.00	-4.38
		1	49	22.68	22.77	25.74	22.64	22.37	25.52	28.64	33.00	-4.36
		25	0	22.73	22.73	25.74	22.67	22.35	25.52	28.64	33.00	-4.36
		25	12	22.69	22.72	25.72	22.58	22.31	25.46	28.60	33.00	-4.40
		25	25	22.70	22.75	25.74	22.56	22.36	25.47	28.62	33.00	-4.38
		50	0	22.61	22.70	25.67	22.68	22.36	25.53	28.61	33.00	-4.39
	64QAM	1	0	22.71	22.85	25.79	22.59	22.27	25.44	28.63	33.00	-4.37
		1	24	22.65	22.74	25.71	22.55	22.31	25.44	28.59	33.00	-4.41
		1	49	22.64	22.74	25.70	22.60	22.32	25.47	28.60	33.00	-4.40
		25	0	22.64	22.69	25.68	22.62	22.25	25.45	28.57	33.00	-4.43
		25	12	22.70	22.67	25.70	22.58	22.28	25.44	28.58	33.00	-4.42
		25	25	22.65	22.74	25.71	22.54	22.32	25.44	28.59	33.00	-4.41
		50	0	22.66	22.75	25.72	22.65	22.27	25.47	28.61	33.00	-4.39

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2505.0~2565.0 MHz Band								
		Mid Channel		40040								
		Frequency (MHz)		2535.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
10M	QPSK	1	0	22.88	22.95	25.93	22.91	22.64	25.79	28.87	33.00	-4.13
		1	24	22.85	22.96	25.92	22.85	22.59	25.73	28.84	33.00	-4.16
		1	49	22.84	22.88	25.87	22.81	22.53	25.68	28.79	33.00	-4.21
		25	0	22.87	22.97	25.93	22.89	22.61	25.76	28.86	33.00	-4.14
		25	12	22.97	22.98	25.99	22.83	22.49	25.67	28.84	33.00	-4.16
		25	25	22.87	23.00	25.95	22.86	22.50	25.69	28.83	33.00	-4.17
		50	0	22.97	22.89	25.94	22.90	22.57	25.75	28.86	33.00	-4.14
	16QAM	1	0	22.67	22.77	25.73	22.68	22.41	25.56	28.66	33.00	-4.34
		1	24	22.60	22.75	25.69	22.63	22.39	25.52	28.62	33.00	-4.38
		1	49	22.70	22.72	25.72	22.59	22.33	25.47	28.61	33.00	-4.39
		25	0	22.69	22.75	25.73	22.64	22.42	25.54	28.65	33.00	-4.35
		25	12	22.74	22.70	25.73	22.63	22.28	25.47	28.61	33.00	-4.39
		25	25	22.67	22.77	25.73	22.69	22.32	25.52	28.64	33.00	-4.36
		50	0	22.71	22.65	25.69	22.70	22.39	25.56	28.64	33.00	-4.36
	64QAM	1	0	22.67	22.71	25.70	22.59	22.45	25.53	28.63	33.00	-4.37
		1	24	22.60	22.72	25.67	22.61	22.31	25.47	28.58	33.00	-4.42
		1	49	22.60	22.67	25.65	22.58	22.27	25.44	28.55	33.00	-4.45
		25	0	22.61	22.69	25.66	22.62	22.42	25.53	28.61	33.00	-4.39
		25	12	22.70	22.73	25.73	22.55	22.29	25.43	28.59	33.00	-4.41
		25	25	22.60	22.75	25.69	22.63	22.36	25.51	28.61	33.00	-4.39
		50	0	22.71	22.56	25.65	22.68	22.34	25.52	28.60	33.00	-4.40

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2505.0~2565.0 MHz Band								
		High Channel		40340								
		Frequency (MHz)		2565.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
10M	QPSK	1	0	22.88	22.96	25.93	22.79	22.58	25.70	28.83	33.00	-4.17
		1	24	22.84	22.90	25.88	22.76	22.56	25.67	28.79	33.00	-4.21
		1	49	22.78	22.94	25.87	22.74	22.56	25.66	28.78	33.00	-4.22
		25	0	22.83	22.88	25.87	22.85	22.64	25.76	28.82	33.00	-4.18
		25	12	22.90	22.85	25.89	22.87	22.60	25.75	28.83	33.00	-4.17
		25	25	22.82	22.89	25.87	22.69	22.52	25.62	28.75	33.00	-4.25
		50	0	22.87	22.91	25.90	22.85	22.52	25.70	28.81	33.00	-4.19
	16QAM	1	0	22.66	22.73	25.71	22.66	22.38	25.53	28.63	33.00	-4.37
		1	24	22.70	22.69	25.71	22.50	22.29	25.41	28.57	33.00	-4.43
		1	49	22.60	22.73	25.68	22.52	22.37	25.46	28.58	33.00	-4.42
		25	0	22.65	22.68	25.68	22.64	22.42	25.54	28.62	33.00	-4.38
		25	12	22.68	22.65	25.68	22.68	22.36	25.53	28.62	33.00	-4.38
		25	25	22.60	22.66	25.64	22.50	22.37	25.45	28.55	33.00	-4.45
		50	0	22.66	22.75	25.72	22.62	22.36	25.50	28.62	33.00	-4.38
	64QAM	1	0	22.62	22.70	25.67	22.57	22.35	25.47	28.58	33.00	-4.42
		1	24	22.61	22.66	25.65	22.53	22.34	25.45	28.56	33.00	-4.44
		1	49	22.57	22.69	25.64	22.49	22.29	25.40	28.53	33.00	-4.47
		25	0	22.60	22.62	25.62	22.57	22.38	25.49	28.56	33.00	-4.44
		25	12	22.63	22.57	25.61	22.63	22.35	25.50	28.57	33.00	-4.43
		25	25	22.56	22.70	25.64	22.42	22.31	25.38	28.52	33.00	-4.48
		50	0	22.60	22.69	25.66	22.55	22.36	25.47	28.57	33.00	-4.43

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2625.0~2685.0 MHz Band								
		Low Channel		40940								
		Frequency (MHz)		2625.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
10M	QPSK	1	0	22.80	22.94	25.88	22.68	22.47	25.59	28.75	33.00	-4.25
		1	24	22.74	22.93	25.85	22.66	22.41	25.55	28.71	33.00	-4.29
		1	49	22.77	22.86	25.83	22.70	22.40	25.56	28.71	33.00	-4.29
		25	0	22.75	22.77	25.77	22.71	22.36	25.55	28.67	33.00	-4.33
		25	12	22.78	22.74	25.77	22.71	22.38	25.56	28.68	33.00	-4.32
		25	25	22.76	22.86	25.82	22.69	22.46	25.59	28.72	33.00	-4.28
		50	0	22.71	22.83	25.78	22.76	22.40	25.59	28.70	33.00	-4.30
	16QAM	1	0	22.61	22.78	25.71	22.44	22.25	25.36	28.55	33.00	-4.45
		1	24	22.61	22.72	25.68	22.45	22.29	25.38	28.54	33.00	-4.46
		1	49	22.59	22.61	25.61	22.47	22.22	25.36	28.50	33.00	-4.50
		25	0	22.65	22.61	25.64	22.56	22.15	25.37	28.52	33.00	-4.48
		25	12	22.62	22.53	25.59	22.52	22.22	25.38	28.50	33.00	-4.50
		25	25	22.58	22.63	25.62	22.52	22.30	25.42	28.53	33.00	-4.47
		50	0	22.52	22.64	25.59	22.52	22.20	25.37	28.49	33.00	-4.51
	64QAM	1	0	22.54	22.71	25.64	22.39	22.24	25.33	28.49	33.00	-4.51
		1	24	22.53	22.65	25.60	22.35	22.17	25.27	28.45	33.00	-4.55
		1	49	22.56	22.61	25.60	22.42	22.12	25.28	28.45	33.00	-4.55
		25	0	22.54	22.55	25.56	22.47	22.09	25.29	28.44	33.00	-4.56
		25	12	22.54	22.49	25.53	22.44	22.12	25.29	28.42	33.00	-4.58
		25	25	22.52	22.61	25.58	22.41	22.18	25.31	28.45	33.00	-4.55
		50	0	22.48	22.54	25.52	22.46	22.11	25.30	28.42	33.00	-4.58

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2625.0~2685.0 MHz Band								
		Mid Channel		41240								
		Frequency (MHz)		2655.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
10M	QPSK	1	0	22.78	22.82	25.81	22.74	22.52	25.64	28.74	33.00	-4.26
		1	24	22.69	22.72	25.72	22.67	22.45	25.57	28.65	33.00	-4.35
		1	49	22.73	22.75	25.75	22.62	22.38	25.51	28.64	33.00	-4.36
		25	0	22.74	22.84	25.80	22.79	22.44	25.63	28.73	33.00	-4.27
		25	12	22.88	22.79	25.85	22.64	22.39	25.53	28.70	33.00	-4.30
		25	25	22.72	22.87	25.81	22.76	22.38	25.58	28.71	33.00	-4.29
		50	0	22.85	22.74	25.81	22.73	22.42	25.59	28.71	33.00	-4.29
	16QAM	1	0	22.61	22.62	25.63	22.51	22.38	25.46	28.55	33.00	-4.45
		1	24	22.52	22.54	25.54	22.51	22.25	25.39	28.48	33.00	-4.52
		1	49	22.59	22.60	25.61	22.43	22.20	25.33	28.48	33.00	-4.52
		25	0	22.56	22.63	25.61	22.57	22.32	25.46	28.54	33.00	-4.46
		25	12	22.64	22.58	25.62	22.48	22.19	25.35	28.50	33.00	-4.50
		25	25	22.54	22.64	25.60	22.52	22.19	25.37	28.50	33.00	-4.50
		50	0	22.64	22.52	25.59	22.53	22.24	25.40	28.51	33.00	-4.49
	64QAM	1	0	22.55	22.56	25.57	22.45	22.28	25.38	28.48	33.00	-4.52
		1	24	22.46	22.48	25.48	22.41	22.20	25.32	28.41	33.00	-4.59
		1	49	22.48	22.49	25.50	22.39	22.08	25.25	28.38	33.00	-4.62
		25	0	22.55	22.54	25.56	22.54	22.22	25.39	28.49	33.00	-4.51
		25	12	22.61	22.55	25.59	22.41	22.12	25.28	28.45	33.00	-4.55
		25	25	22.46	22.60	25.54	22.48	22.16	25.33	28.45	33.00	-4.55
		50	0	22.61	22.47	25.55	22.52	22.18	25.36	28.47	33.00	-4.53

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2625.0~2685.0 MHz Band								
		High Channel		41540								
		Frequency (MHz)		2685.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
10M	QPSK	1	0	22.78	22.85	25.83	22.66	22.45	25.57	28.71	33.00	-4.29
		1	24	22.74	22.76	25.76	22.63	22.36	25.51	28.65	33.00	-4.35
		1	49	22.66	22.76	25.72	22.58	22.44	25.52	28.63	33.00	-4.37
		25	0	22.69	22.77	25.74	22.65	22.55	25.61	28.69	33.00	-4.31
		25	12	22.75	22.75	25.76	22.77	22.46	25.63	28.70	33.00	-4.30
		25	25	22.68	22.73	25.72	22.55	22.35	25.46	28.60	33.00	-4.40
		50	0	22.74	22.83	25.80	22.67	22.49	25.59	28.70	33.00	-4.30
	16QAM	1	0	22.59	22.68	25.65	22.50	22.27	25.40	28.53	33.00	-4.47
		1	24	22.56	22.56	25.57	22.51	22.17	25.35	28.47	33.00	-4.53
		1	49	22.48	22.58	25.54	22.39	22.25	25.33	28.45	33.00	-4.55
		25	0	22.51	22.55	25.54	22.53	22.38	25.47	28.51	33.00	-4.49
		25	12	22.51	22.49	25.51	22.54	22.33	25.45	28.49	33.00	-4.51
		25	25	22.53	22.56	25.56	22.39	22.17	25.29	28.44	33.00	-4.56
		50	0	22.59	22.71	25.66	22.52	22.16	25.35	28.52	33.00	-4.48
	64QAM	1	0	22.49	22.59	25.55	22.45	22.18	25.33	28.45	33.00	-4.55
		1	24	22.47	22.46	25.48	22.38	22.13	25.27	28.38	33.00	-4.62
		1	49	22.43	22.48	25.47	22.31	22.19	25.26	28.37	33.00	-4.63
		25	0	22.45	22.50	25.49	22.40	22.31	25.37	28.44	33.00	-4.56
		25	12	22.46	22.48	25.48	22.47	22.19	25.34	28.42	33.00	-4.58
		25	25	22.44	22.47	25.47	22.31	22.14	25.24	28.36	33.00	-4.64
		50	0	22.48	22.55	25.53	22.43	22.22	25.34	28.44	33.00	-4.56

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2507.5~2562.5 MHz Band								
		Low Channel		39765								
		Frequency (MHz)		2507.5								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
15M	QPSK	1	0	22.94	22.98	25.97	22.89	22.65	25.78	28.89	33.00	-4.11
		1	37	22.88	22.95	25.93	22.89	22.62	25.77	28.86	33.00	-4.14
		1	74	22.85	22.97	25.92	22.91	22.63	25.78	28.86	33.00	-4.14
		36	0	22.93	22.93	25.94	22.86	22.71	25.80	28.88	33.00	-4.12
		36	19	22.90	22.89	25.91	22.94	22.60	25.78	28.86	33.00	-4.14
		36	39	22.85	22.96	25.92	22.93	22.59	25.77	28.86	33.00	-4.14
		75	0	22.82	23.02	25.93	22.85	22.66	25.77	28.86	33.00	-4.14
	16QAM	1	0	22.74	22.77	25.77	22.70	22.46	25.59	28.69	33.00	-4.31
		1	37	22.66	22.79	25.74	22.66	22.44	25.56	28.66	33.00	-4.34
		1	74	22.62	22.77	25.71	22.69	22.40	25.56	28.64	33.00	-4.36
		36	0	22.70	22.66	25.69	22.70	22.46	25.59	28.65	33.00	-4.35
		36	19	22.68	22.66	25.68	22.72	22.38	25.56	28.63	33.00	-4.37
		36	39	22.70	22.74	25.73	22.74	22.37	25.57	28.66	33.00	-4.34
		75	0	22.63	22.77	25.71	22.70	22.46	25.59	28.66	33.00	-4.34
	64QAM	1	0	22.67	22.67	25.68	22.58	22.44	25.52	28.61	33.00	-4.39
		1	37	22.58	22.68	25.64	22.58	22.37	25.49	28.57	33.00	-4.43
		1	74	22.60	22.69	25.66	22.62	22.32	25.48	28.58	33.00	-4.42
		36	0	22.62	22.63	25.64	22.70	22.38	25.55	28.60	33.00	-4.40
		36	19	22.57	22.60	25.60	22.60	22.31	25.47	28.54	33.00	-4.46
		36	39	22.56	22.65	25.62	22.65	22.33	25.50	28.57	33.00	-4.43
		75	0	22.55	22.70	25.64	22.56	22.38	25.48	28.57	33.00	-4.43

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2507.5~2562.5 MHz Band								
		Mid Channel		40040								
		Frequency (MHz)		2535.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
15M	QPSK	1	0	22.87	23.05	25.97	22.87	22.62	25.76	28.88	33.00	-4.12
		1	37	22.86	22.96	25.92	22.81	22.68	25.76	28.85	33.00	-4.15
		1	74	22.87	22.97	25.93	22.83	22.60	25.73	28.84	33.00	-4.16
		36	0	22.85	22.89	25.88	22.80	22.63	25.73	28.81	33.00	-4.19
		36	19	22.93	22.95	25.95	22.85	22.56	25.72	28.85	33.00	-4.15
		36	39	22.87	23.03	25.96	22.83	22.56	25.71	28.85	33.00	-4.15
		75	0	22.89	23.06	25.99	22.80	22.57	25.70	28.85	33.00	-4.15
	16QAM	1	0	22.66	22.85	25.77	22.67	22.44	25.57	28.68	33.00	-4.32
		1	37	22.65	22.80	25.74	22.56	22.45	25.52	28.64	33.00	-4.36
		1	74	22.69	22.74	25.73	22.63	22.40	25.53	28.64	33.00	-4.36
		36	0	22.65	22.71	25.69	22.53	22.41	25.48	28.60	33.00	-4.40
		36	19	22.71	22.73	25.73	22.61	22.38	25.51	28.63	33.00	-4.37
		36	39	22.73	22.77	25.76	22.65	22.42	25.55	28.67	33.00	-4.33
		75	0	22.66	22.80	25.74	22.57	22.40	25.50	28.63	33.00	-4.37
	64QAM	1	0	22.59	22.76	25.69	22.57	22.31	25.45	28.58	33.00	-4.42
		1	37	22.55	22.65	25.61	22.54	22.35	25.46	28.54	33.00	-4.46
		1	74	22.64	22.69	25.68	22.54	22.31	25.44	28.57	33.00	-4.43
		36	0	22.56	22.66	25.62	22.47	22.38	25.44	28.54	33.00	-4.46
		36	19	22.63	22.65	25.65	22.56	22.29	25.44	28.56	33.00	-4.44
		36	39	22.61	22.68	25.66	22.55	22.32	25.45	28.56	33.00	-4.44
		75	0	22.57	22.73	25.66	22.60	22.28	25.45	28.57	33.00	-4.43

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2507.5~2562.5 MHz Band								
		High Channel		40315								
		Frequency (MHz)		2562.5								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
15M	QPSK	1	0	22.89	23.06	25.99	22.84	22.60	25.73	28.87	33.00	-4.13
		1	37	22.81	22.98	25.91	22.77	22.56	25.68	28.80	33.00	-4.20
		1	74	22.86	22.99	25.94	22.76	22.62	25.70	28.83	33.00	-4.17
		36	0	22.90	22.91	25.92	22.73	22.59	25.67	28.81	33.00	-4.19
		36	19	22.80	22.93	25.88	22.83	22.70	25.78	28.84	33.00	-4.16
		36	39	22.78	22.97	25.89	22.84	22.54	25.70	28.81	33.00	-4.19
		75	0	22.79	22.87	25.84	22.79	22.49	25.65	28.76	33.00	-4.24
	16QAM	1	0	22.66	22.87	25.78	22.60	22.37	25.50	28.65	33.00	-4.35
		1	37	22.60	22.73	25.68	22.62	22.43	25.54	28.62	33.00	-4.38
		1	74	22.65	22.77	25.72	22.53	22.38	25.47	28.61	33.00	-4.39
		36	0	22.74	22.73	25.75	22.61	22.39	25.51	28.64	33.00	-4.36
		36	19	22.67	22.71	25.70	22.58	22.45	25.53	28.62	33.00	-4.38
		36	39	22.60	22.74	25.68	22.64	22.42	25.54	28.62	33.00	-4.38
		75	0	22.63	22.68	25.67	22.57	22.28	25.44	28.56	33.00	-4.44
	64QAM	1	0	22.60	22.78	25.70	22.57	22.31	25.45	28.59	33.00	-4.41
		1	37	22.58	22.67	25.64	22.48	22.36	25.43	28.54	33.00	-4.46
		1	74	22.57	22.70	25.65	22.50	22.24	25.38	28.53	33.00	-4.47
		36	0	22.61	22.59	25.61	22.45	22.33	25.40	28.52	33.00	-4.48
		36	19	22.52	22.61	25.58	22.55	22.44	25.51	28.55	33.00	-4.45
		36	39	22.51	22.67	25.60	22.51	22.31	25.42	28.52	33.00	-4.48
		75	0	22.55	22.60	25.59	22.57	22.29	25.44	28.52	33.00	-4.48

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2627.5~2682.5 MHz Band								
		Low Channel		40965								
		Frequency (MHz)		2627.5								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
15M	QPSK	1	0	22.82	22.87	25.86	22.81	22.55	25.69	28.78	33.00	-4.22
		1	37	22.78	22.86	25.83	22.76	22.51	25.65	28.75	33.00	-4.25
		1	74	22.70	22.84	25.78	22.72	22.49	25.62	28.71	33.00	-4.29
		36	0	22.82	22.76	25.80	22.76	22.56	25.67	28.75	33.00	-4.25
		36	19	22.74	22.79	25.78	22.79	22.49	25.65	28.72	33.00	-4.28
		36	39	22.71	22.82	25.78	22.78	22.48	25.64	28.72	33.00	-4.28
		75	0	22.75	22.85	25.81	22.71	22.51	25.62	28.73	33.00	-4.27
	16QAM	1	0	22.69	22.71	25.71	22.62	22.37	25.51	28.62	33.00	-4.38
		1	37	22.62	22.73	25.69	22.57	22.40	25.50	28.60	33.00	-4.40
		1	74	22.58	22.68	25.64	22.54	22.34	25.45	28.56	33.00	-4.44
		36	0	22.61	22.60	25.62	22.60	22.38	25.50	28.57	33.00	-4.43
		36	19	22.59	22.56	25.59	22.62	22.37	25.51	28.56	33.00	-4.44
		36	39	22.55	22.69	25.63	22.63	22.37	25.51	28.58	33.00	-4.42
		75	0	22.60	22.70	25.66	22.58	22.41	25.51	28.59	33.00	-4.41
	64QAM	1	0	22.57	22.56	25.58	22.57	22.25	25.42	28.51	33.00	-4.49
		1	37	22.52	22.59	25.57	22.48	22.31	25.41	28.50	33.00	-4.50
		1	74	22.44	22.57	25.52	22.45	22.22	25.35	28.44	33.00	-4.56
		36	0	22.53	22.48	25.52	22.45	22.29	25.38	28.46	33.00	-4.54
		36	19	22.46	22.51	25.50	22.55	22.23	25.40	28.46	33.00	-4.54
		36	39	22.49	22.54	25.53	22.50	22.25	25.39	28.47	33.00	-4.53
		75	0	22.48	22.60	25.55	22.44	22.26	25.36	28.47	33.00	-4.53

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2627.5~2682.5 MHz Band								
		Mid Channel		41240								
		Frequency (MHz)		2655.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
15M	QPSK	1	0	22.77	22.95	25.87	22.73	22.50	25.63	28.76	33.00	-4.24
		1	37	22.71	22.85	25.79	22.68	22.52	25.61	28.71	33.00	-4.29
		1	74	22.74	22.84	25.80	22.68	22.47	25.59	28.71	33.00	-4.29
		36	0	22.71	22.81	25.77	22.63	22.51	25.58	28.69	33.00	-4.31
		36	19	22.77	22.81	25.80	22.71	22.42	25.58	28.70	33.00	-4.30
		36	39	22.77	22.91	25.85	22.70	22.43	25.58	28.73	33.00	-4.27
		75	0	22.72	22.89	25.82	22.73	22.46	25.61	28.72	33.00	-4.28
	16QAM	1	0	22.59	22.79	25.70	22.57	22.33	25.46	28.59	33.00	-4.41
		1	37	22.54	22.67	25.62	22.51	22.41	25.47	28.55	33.00	-4.45
		1	74	22.61	22.69	25.66	22.50	22.28	25.40	28.54	33.00	-4.46
		36	0	22.58	22.61	25.61	22.46	22.36	25.42	28.52	33.00	-4.48
		36	19	22.61	22.62	25.63	22.49	22.25	25.38	28.52	33.00	-4.48
		36	39	22.58	22.71	25.66	22.56	22.35	25.47	28.57	33.00	-4.43
		75	0	22.57	22.74	25.67	22.53	22.32	25.44	28.56	33.00	-4.44
	64QAM	1	0	22.52	22.66	25.60	22.45	22.26	25.37	28.50	33.00	-4.50
		1	37	22.45	22.53	25.50	22.38	22.29	25.35	28.43	33.00	-4.57
		1	74	22.48	22.57	25.54	22.45	22.23	25.35	28.45	33.00	-4.55
		36	0	22.45	22.55	25.51	22.38	22.24	25.32	28.43	33.00	-4.57
		36	19	22.51	22.55	25.54	22.41	22.22	25.33	28.44	33.00	-4.56
		36	39	22.51	22.60	25.57	22.47	22.21	25.35	28.47	33.00	-4.53
		75	0	22.44	22.66	25.56	22.41	22.18	25.31	28.45	33.00	-4.55

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2627.5~2682.5 MHz Band								
		High Channel		41515								
		Frequency (MHz)		2682.5								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
15M	QPSK	1	0	22.78	22.93	25.87	22.69	22.46	25.59	28.74	33.00	-4.26
		1	37	22.67	22.86	25.78	22.68	22.42	25.56	28.68	33.00	-4.32
		1	74	22.73	22.86	25.81	22.61	22.49	25.56	28.70	33.00	-4.30
		36	0	22.79	22.83	25.82	22.59	22.46	25.54	28.69	33.00	-4.31
		36	19	22.66	22.77	25.73	22.71	22.59	25.66	28.70	33.00	-4.30
		36	39	22.66	22.78	25.73	22.72	22.38	25.56	28.66	33.00	-4.34
		75	0	22.65	22.73	25.70	22.65	22.37	25.52	28.62	33.00	-4.38
	16QAM	1	0	22.59	22.76	25.69	22.56	22.31	25.45	28.58	33.00	-4.42
		1	37	22.52	22.65	25.60	22.54	22.25	25.41	28.51	33.00	-4.49
		1	74	22.59	22.65	25.63	22.45	22.37	25.42	28.54	33.00	-4.46
		36	0	22.60	22.60	25.61	22.42	22.36	25.40	28.52	33.00	-4.48
		36	19	22.47	22.53	25.51	22.57	22.40	25.50	28.51	33.00	-4.49
		36	39	22.51	22.60	25.57	22.57	22.21	25.40	28.50	33.00	-4.50
		75	0	22.46	22.48	25.48	22.48	22.20	25.35	28.43	33.00	-4.57
	64QAM	1	0	22.50	22.65	25.59	22.44	22.20	25.33	28.47	33.00	-4.53
		1	37	22.42	22.60	25.52	22.40	22.18	25.30	28.42	33.00	-4.58
		1	74	22.48	22.60	25.55	22.39	22.21	25.31	28.44	33.00	-4.56
		36	0	22.49	22.49	25.50	22.29	22.19	25.25	28.39	33.00	-4.61
		36	19	22.40	22.48	25.45	22.43	22.33	25.39	28.43	33.00	-4.57
		36	39	22.41	22.50	25.47	22.43	22.10	25.28	28.38	33.00	-4.62
		75	0	22.43	22.45	25.45	22.40	22.15	25.29	28.38	33.00	-4.62

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2510.0~2560.0 MHz Band								
		Low Channel		39790								
		Frequency (MHz)		2510.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
20M	QPSK	1	0	22.89	23.11	26.01	23.01	22.63	25.83	28.93	33.00	-4.07
		1	50	22.87	23.05	25.97	22.97	22.71	25.85	28.92	33.00	-4.08
		1	99	22.84	22.99	25.93	22.91	22.69	25.81	28.88	33.00	-4.12
		50	0	22.82	22.99	25.92	22.98	22.62	25.81	28.88	33.00	-4.12
		50	25	22.84	23.00	25.93	22.89	22.60	25.76	28.86	33.00	-4.14
		50	50	22.86	22.94	25.91	22.86	22.60	25.74	28.84	33.00	-4.16
		100	0	22.87	22.94	25.92	22.89	22.57	25.74	28.84	33.00	-4.16
	16QAM	1	0	22.64	22.88	25.77	22.73	22.39	25.57	28.68	33.00	-4.32
		1	50	22.60	22.80	25.71	22.73	22.48	25.62	28.67	33.00	-4.33
		1	99	22.61	22.78	25.71	22.71	22.45	25.59	28.66	33.00	-4.34
		50	0	22.58	22.77	25.69	22.76	22.44	25.61	28.66	33.00	-4.34
		50	25	22.61	22.72	25.68	22.64	22.38	25.52	28.61	33.00	-4.39
		50	50	22.68	22.73	25.72	22.62	22.34	25.49	28.62	33.00	-4.38
		100	0	22.63	22.75	25.70	22.67	22.32	25.51	28.62	33.00	-4.38
	64QAM	1	0	22.58	22.78	25.69	22.76	22.34	25.57	28.64	33.00	-4.36
		1	50	22.56	22.78	25.68	22.72	22.45	25.60	28.65	33.00	-4.35
		1	99	22.61	22.73	25.68	22.64	22.37	25.52	28.61	33.00	-4.39
		50	0	22.57	22.72	25.66	22.77	22.35	25.58	28.63	33.00	-4.37
		50	25	22.59	22.68	25.65	22.62	22.39	25.52	28.59	33.00	-4.41
		50	50	22.55	22.66	25.62	22.59	22.34	25.48	28.56	33.00	-4.44
		100	0	22.60	22.71	25.67	22.56	22.29	25.44	28.56	33.00	-4.44

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2510.0~2560.0 MHz Band								
		Mid Channel		40040								
		Frequency (MHz)		2535.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
20M	QPSK	1	0	22.89	23.08	26.00	23.00	22.66	25.84	28.93	33.00	-4.07
		1	50	22.82	23.04	25.94	22.90	22.63	25.78	28.87	33.00	-4.13
		1	99	22.83	22.97	25.91	22.86	22.52	25.70	28.82	33.00	-4.18
		50	0	22.81	23.00	25.92	22.87	22.56	25.73	28.83	33.00	-4.17
		50	25	22.83	22.95	25.90	22.93	22.61	25.78	28.85	33.00	-4.15
		50	50	22.87	22.88	25.89	22.83	22.55	25.70	28.81	33.00	-4.19
		100	0	22.82	22.92	25.88	22.98	22.58	25.79	28.85	33.00	-4.15
	16QAM	1	0	22.63	22.80	25.73	22.76	22.38	25.58	28.67	33.00	-4.33
		1	50	22.58	22.77	25.69	22.71	22.39	25.56	28.64	33.00	-4.36
		1	99	22.64	22.73	25.70	22.62	22.31	25.48	28.60	33.00	-4.40
		50	0	22.58	22.76	25.68	22.66	22.38	25.53	28.62	33.00	-4.38
		50	25	22.61	22.73	25.68	22.70	22.37	25.55	28.63	33.00	-4.37
		50	50	22.58	22.66	25.63	22.57	22.32	25.46	28.55	33.00	-4.45
		100	0	22.58	22.69	25.65	22.73	22.36	25.56	28.61	33.00	-4.39
	64QAM	1	0	22.56	22.74	25.66	22.71	22.31	25.52	28.60	33.00	-4.40
		1	50	22.50	22.70	25.61	22.68	22.34	25.52	28.58	33.00	-4.42
		1	99	22.62	22.68	25.66	22.57	22.31	25.45	28.57	33.00	-4.43
		50	0	22.58	22.67	25.64	22.62	22.35	25.50	28.58	33.00	-4.42
		50	25	22.56	22.68	25.63	22.66	22.39	25.54	28.59	33.00	-4.41
		50	50	22.56	22.56	25.57	22.59	22.27	25.44	28.52	33.00	-4.48
		100	0	22.55	22.65	25.61	22.65	22.32	25.50	28.57	33.00	-4.43

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2510.0~2560.0 MHz Band								
		High Channel		40290								
		Frequency (MHz)		2560.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
20M	QPSK	1	0	22.85	22.99	25.93	22.98	22.68	25.84	28.90	33.00	-4.10
		1	50	22.74	22.95	25.86	22.89	22.60	25.76	28.82	33.00	-4.18
		1	99	22.79	22.91	25.86	22.96	22.58	25.78	28.83	33.00	-4.17
		50	0	22.80	22.88	25.85	22.89	22.59	25.75	28.81	33.00	-4.19
		50	25	22.79	22.92	25.87	22.86	22.51	25.70	28.79	33.00	-4.21
		50	50	22.84	22.94	25.90	22.89	22.56	25.74	28.83	33.00	-4.17
		100	0	22.76	22.88	25.83	22.82	22.60	25.72	28.79	33.00	-4.21
	16QAM	1	0	22.60	22.76	25.69	22.77	22.49	25.64	28.68	33.00	-4.32
		1	50	22.55	22.74	25.66	22.67	22.37	25.53	28.61	33.00	-4.39
		1	99	22.57	22.68	25.64	22.68	22.30	25.50	28.58	33.00	-4.42
		50	0	22.52	22.66	25.60	22.66	22.34	25.51	28.57	33.00	-4.43
		50	25	22.60	22.68	25.65	22.58	22.34	25.47	28.57	33.00	-4.43
		50	50	22.59	22.69	25.65	22.56	22.36	25.47	28.57	33.00	-4.43
		100	0	22.51	22.65	25.59	22.62	22.32	25.48	28.55	33.00	-4.45
	64QAM	1	0	22.57	22.65	25.62	22.71	22.36	25.55	28.60	33.00	-4.40
		1	50	22.49	22.66	25.59	22.58	22.29	25.45	28.53	33.00	-4.47
		1	99	22.50	22.62	25.57	22.60	22.27	25.45	28.52	33.00	-4.48
		50	0	22.47	22.55	25.52	22.57	22.30	25.45	28.49	33.00	-4.51
		50	25	22.51	22.57	25.55	22.51	22.30	25.42	28.49	33.00	-4.51
		50	50	22.47	22.63	25.56	22.48	22.35	25.43	28.50	33.00	-4.50
		100	0	22.46	22.58	25.53	22.54	22.27	25.42	28.48	33.00	-4.52

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2630.0~2680.0 MHz Band								
		Low Channel		40990								
		Frequency (MHz)		2630.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
20M	QPSK	1	0	22.78	22.95	25.88	22.86	22.50	25.69	28.80	33.00	-4.20
		1	50	22.73	22.96	25.86	22.80	22.54	25.68	28.78	33.00	-4.22
		1	99	22.70	22.83	25.78	22.78	22.56	25.68	28.74	33.00	-4.26
		50	0	22.74	22.86	25.81	22.81	22.47	25.65	28.74	33.00	-4.26
		50	25	22.66	22.89	25.79	22.71	22.49	25.61	28.71	33.00	-4.29
		50	50	22.77	22.81	25.80	22.72	22.46	25.60	28.71	33.00	-4.29
		100	0	22.70	22.81	25.77	22.77	22.41	25.60	28.70	33.00	-4.30
	16QAM	1	0	22.59	22.78	25.70	22.69	22.28	25.50	28.61	33.00	-4.39
		1	50	22.49	22.76	25.64	22.65	22.32	25.50	28.58	33.00	-4.42
		1	99	22.48	22.67	25.59	22.57	22.34	25.47	28.54	33.00	-4.46
		50	0	22.49	22.69	25.60	22.63	22.29	25.47	28.55	33.00	-4.45
		50	25	22.51	22.71	25.62	22.55	22.28	25.43	28.54	33.00	-4.46
		50	50	22.53	22.59	25.57	22.52	22.24	25.39	28.49	33.00	-4.51
		100	0	22.50	22.58	25.55	22.57	22.20	25.40	28.49	33.00	-4.51
	64QAM	1	0	22.51	22.70	25.62	22.64	22.24	25.45	28.55	33.00	-4.45
		1	50	22.46	22.67	25.58	22.56	22.32	25.45	28.53	33.00	-4.47
		1	99	22.44	22.58	25.52	22.52	22.28	25.41	28.48	33.00	-4.52
		50	0	22.49	22.59	25.55	22.59	22.21	25.41	28.49	33.00	-4.51
		50	25	22.41	22.63	25.53	22.48	22.20	25.35	28.45	33.00	-4.55
		50	50	22.51	22.57	25.55	22.48	22.17	25.34	28.46	33.00	-4.54
		100	0	22.43	22.54	25.50	22.48	22.15	25.33	28.42	33.00	-4.58

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2630.0~2680.0 MHz Band								
		Mid Channel		41240								
		Frequency (MHz)		2655.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
20M	QPSK	1	0	22.73	22.95	25.85	22.86	22.53	25.71	28.79	33.00	-4.21
		1	50	22.69	22.86	25.79	22.76	22.51	25.65	28.73	33.00	-4.27
		1	99	22.69	22.86	25.79	22.77	22.37	25.58	28.70	33.00	-4.30
		50	0	22.68	22.86	25.78	22.76	22.47	25.63	28.72	33.00	-4.28
		50	25	22.71	22.82	25.78	22.82	22.55	25.70	28.75	33.00	-4.25
		50	50	22.72	22.77	25.76	22.71	22.43	25.58	28.68	33.00	-4.32
		100	0	22.68	22.80	25.75	22.82	22.41	25.63	28.70	33.00	-4.30
	16QAM	1	0	22.52	22.71	25.63	22.64	22.32	25.49	28.57	33.00	-4.43
		1	50	22.49	22.64	25.58	22.58	22.34	25.47	28.53	33.00	-4.47
		1	99	22.52	22.64	25.59	22.60	22.13	25.38	28.50	33.00	-4.50
		50	0	22.50	22.66	25.59	22.57	22.26	25.43	28.52	33.00	-4.48
		50	25	22.46	22.62	25.55	22.62	22.34	25.49	28.53	33.00	-4.47
		50	50	22.52	22.55	25.55	22.53	22.27	25.41	28.49	33.00	-4.51
		100	0	22.49	22.62	25.57	22.60	22.20	25.41	28.50	33.00	-4.50
	64QAM	1	0	22.51	22.71	25.62	22.62	22.35	25.50	28.57	33.00	-4.43
		1	50	22.46	22.59	25.54	22.49	22.22	25.37	28.46	33.00	-4.54
		1	99	22.47	22.60	25.55	22.51	22.10	25.32	28.44	33.00	-4.56
		50	0	22.40	22.61	25.52	22.51	22.26	25.40	28.47	33.00	-4.53
		50	25	22.47	22.55	25.52	22.59	22.27	25.44	28.49	33.00	-4.51
		50	50	22.49	22.50	25.51	22.43	22.19	25.32	28.42	33.00	-4.58
		100	0	22.42	22.55	25.50	22.54	22.21	25.39	28.45	33.00	-4.55

LTE Band 41												
BW	MCS Index	RB Size	RB Offset	2630.0~2680.0 MHz Band								
		High Channel		41490								
		Frequency (MHz)		2680.0								
		Antenna Part		A			B			A+B	Limit	Margin
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total		
20M	QPSK	1	0	22.70	22.89	25.81	22.84	22.52	25.69	28.76	33.00	-4.24
		1	50	22.67	22.86	25.78	22.79	22.45	25.63	28.72	33.00	-4.28
		1	99	22.68	22.75	25.73	22.80	22.45	25.64	28.69	33.00	-4.31
		50	0	22.65	22.80	25.74	22.76	22.45	25.62	28.69	33.00	-4.31
		50	25	22.66	22.78	25.73	22.73	22.41	25.58	28.67	33.00	-4.33
		50	50	22.72	22.83	25.79	22.77	22.45	25.62	28.72	33.00	-4.28
		100	0	22.63	22.78	25.72	22.67	22.47	25.58	28.66	33.00	-4.34
	16QAM	1	0	22.54	22.67	25.62	22.63	22.31	25.48	28.56	33.00	-4.44
		1	50	22.48	22.68	25.59	22.60	22.28	25.45	28.53	33.00	-4.47
		1	99	22.49	22.55	25.53	22.62	22.27	25.46	28.51	33.00	-4.49
		50	0	22.42	22.59	25.52	22.56	22.32	25.45	28.49	33.00	-4.51
		50	25	22.44	22.57	25.52	22.53	22.19	25.37	28.46	33.00	-4.54
		50	50	22.49	22.64	25.58	22.56	22.26	25.42	28.51	33.00	-4.49
		100	0	22.43	22.56	25.51	22.47	22.21	25.35	28.44	33.00	-4.56
	64QAM	1	0	22.43	22.60	25.53	22.55	22.28	25.43	28.49	33.00	-4.51
		1	50	22.42	22.61	25.53	22.53	22.25	25.40	28.48	33.00	-4.52
		1	99	22.46	22.53	25.51	22.58	22.19	25.40	28.46	33.00	-4.54
		50	0	22.39	22.53	25.47	22.52	22.22	25.38	28.44	33.00	-4.56
		50	25	22.37	22.53	25.46	22.49	22.11	25.31	28.40	33.00	-4.60
		50	50	22.47	22.59	25.54	22.51	22.20	25.37	28.47	33.00	-4.53
		100	0	22.41	22.52	25.48	22.42	22.21	25.33	28.41	33.00	-4.59

EIRP Power (dBm)

Modulation Type: QPSK

Channel Bandwidth: 5MHz

MODE		TX channel 39715			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2502.50	29.33	-6.85	40.01	33.16

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	29.38	-7.05	40.19	33.14

MODE		TX channel 40365			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2567.50	29.36	-7.30	40.35	33.05

MODE		TX channel 40915			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2622.50	29.73	-7.35	40.62	33.27

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	29.76	-7.57	40.76	33.19

MODE		TX channel 41565			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2687.50	29.85	-7.71	40.87	33.16

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Channel Bandwidth: 10MHz

MODE		TX channel 39740			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2505.00	31.80	-4.40	40.03	35.63

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	31.85	-4.58	40.19	35.61

MODE		TX channel 40340			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2565.00	31.89	-4.75	40.34	35.59

MODE		TX channel 40940			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2625.00	32.06	-5.05	40.64	35.59

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	32.07	-5.26	40.76	35.50

MODE		TX channel 41540			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2685.00	32.12	-5.43	40.87	35.44

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Channel Bandwidth: 15MHz

MODE		TX channel 39765			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2507.50	31.79	-4.43	40.04	35.61

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	31.77	-4.66	40.19	35.53

MODE		TX channel 40315			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2562.50	31.75	-4.89	40.34	35.45

MODE		TX channel 40965			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2627.50	32.02	-5.10	40.64	35.54

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	32.02	-5.31	40.76	35.45

MODE		TX channel 41515			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2682.50	32.16	-5.37	40.86	35.49

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Channel Bandwidth: 20MHz

MODE		TX channel 39790			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2510.00	31.80	-4.43	40.05	35.62

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	31.83	-4.60	40.19	35.59

MODE		TX channel 40290			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2560.00	31.87	-4.74	40.32	35.58

MODE		TX channel 40990			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2630.00	31.98	-5.16	40.65	35.49

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	31.87	-5.46	40.76	35.30

MODE		TX channel 41490			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2680.00	31.94	-5.57	40.85	35.28

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Modulation Type: 16QAM

Channel Bandwidth: 5MHz

MODE		TX channel 39715			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2502.50	29.25	-6.93	40.01	33.08

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	29.21	-7.22	40.19	32.97

MODE		TX channel 40365			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2567.50	29.24	-7.42	40.35	32.93

MODE		TX channel 40915			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2622.50	29.64	-7.44	40.62	33.18

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	29.71	-7.62	40.76	33.14

MODE		TX channel 41565			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2687.50	29.81	-7.75	40.87	33.12

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Channel Bandwidth: 10MHz

MODE		TX channel 39740			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2505.00	31.67	-4.53	40.03	35.50

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	31.79	-4.64	40.19	35.55

MODE		TX channel 40340			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2565.00	31.82	-4.82	40.34	35.52

MODE		TX channel 40940			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2625.00	31.79	-5.32	40.64	35.32

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	32.04	-5.29	40.76	35.47

MODE		TX channel 41540			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2685.00	32.09	-5.46	40.87	35.41

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Channel Bandwidth: 15MHz

MODE		TX channel 39765			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2507.50	31.75	-4.47	40.04	35.57

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	31.74	-4.69	40.19	35.50

MODE		TX channel 40315			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2562.50	31.71	-4.93	40.34	35.41

MODE		TX channel 40965			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2627.50	31.98	-5.14	40.64	35.50

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	31.99	-5.34	40.76	35.42

MODE		TX channel 41515			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2682.50	32.13	-5.40	40.86	35.46

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Channel Bandwidth: 20MHz

MODE		TX channel 39790			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2510.00	31.74	-4.49	40.05	35.56

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	31.69	-4.74	40.19	35.45

MODE		TX channel 40290			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2560.00	31.76	-4.85	40.32	35.47

MODE		TX channel 40990			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2630.00	31.73	-5.41	40.65	35.24

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	31.84	-5.49	40.76	35.27

MODE		TX channel 41490			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2680.00	31.90	-5.61	40.85	35.24

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Modulation Type: 64QAM

Channel Bandwidth: 5MHz

MODE		TX channel 39715			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2502.50	29.11	-7.07	40.01	32.94

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	29.16	-7.27	40.19	32.92

MODE		TX channel 40365			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2567.50	29.20	-7.46	40.35	32.89

MODE		TX channel 40915			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2622.50	29.61	-7.47	40.62	33.15

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	29.73	-7.60	40.76	33.16

MODE		TX channel 41565			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2687.50	29.80	-7.76	40.87	33.11

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Channel Bandwidth: 10MHz

MODE		TX channel 39740			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2505.00	31.69	-4.51	40.03	35.52

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	31.80	-4.63	40.19	35.56

MODE		TX channel 40340			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2565.00	31.84	-4.80	40.34	35.54

MODE		TX channel 40940			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2625.00	31.95	-5.16	40.64	35.48

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	32.03	-5.30	40.76	35.46

MODE		TX channel 41540			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2685.00	32.07	-5.48	40.87	35.39

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Channel Bandwidth: 15MHz

MODE		TX channel 39765			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2507.50	31.73	-4.49	40.04	35.55

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	31.70	-4.73	40.19	35.46

MODE		TX channel 40315			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2562.50	31.68	-4.96	40.34	35.38

MODE		TX channel 40965			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2627.50	31.96	-5.16	40.64	35.48

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	31.98	-5.35	40.76	35.41

MODE		TX channel 41515			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2682.50	32.10	-5.43	40.86	35.43

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

Channel Bandwidth: 20MHz

MODE		TX channel 39790			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2510.00	31.70	-4.53	40.05	35.52

MODE		TX channel 40040			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2535.00	31.66	-4.77	40.19	35.42

MODE		TX channel 40290			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2560.00	31.73	-4.88	40.32	35.44

MODE		TX channel 40990			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2630.00	31.80	-5.34	40.65	35.31

MODE		TX channel 41240			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2655.00	31.83	-5.50	40.76	35.26

MODE		TX channel 41490			
Test Distance: 3 M					
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)
1	2680.00	31.87	-5.64	40.85	35.21

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

4.2 Modulation Characteristics Measurement

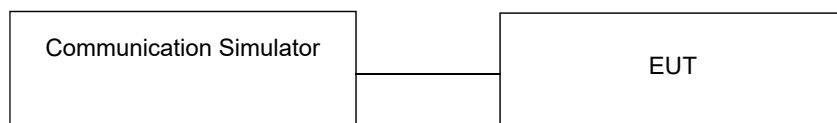
4.2.1 Limits of Modulation Characteristics

N/A

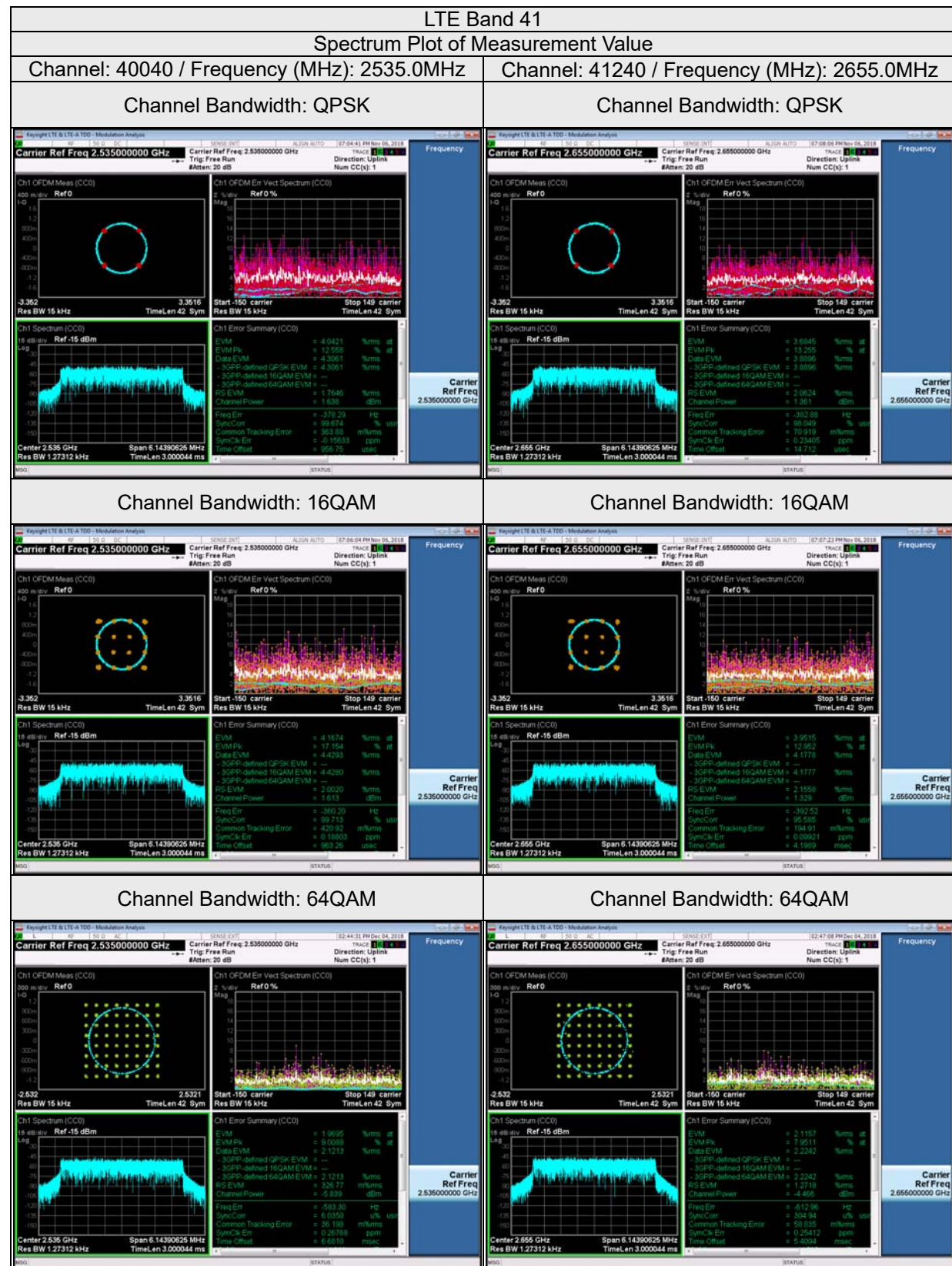
4.2.2 Test Procedure

Connect the EUT to Communication Simulator via the antenna connector, the frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

4.2.3 Test Setup



4.2.4 Test Results



4.3 Frequency Stability Measurement

4.3.1 Limits of Frequency Stability Measurement

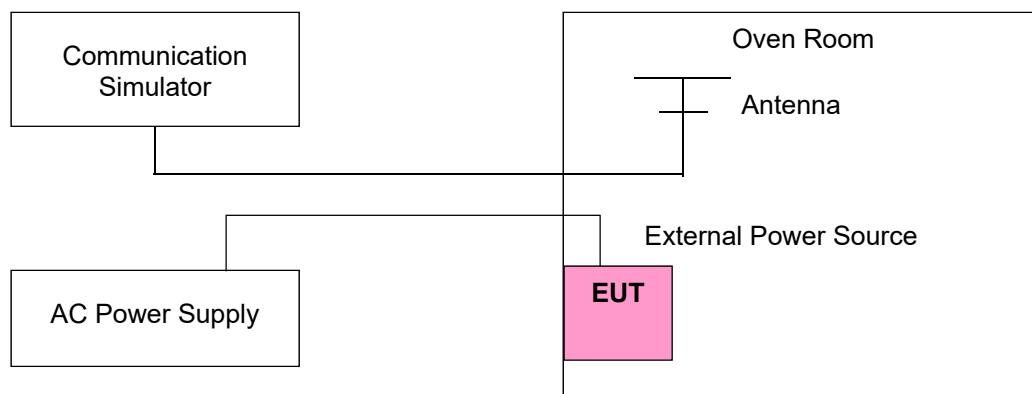
According to the FCC part 2.1055 shall be tested the frequency stability. The rule is defined that "The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block." The test extreme voltage is according to the 2.1055(d)(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment and the extreme temperature rule is comply with specification of EUT $-30^{\circ}\text{C} \sim 75^{\circ}\text{C}$.

4.3.2 Test Procedure

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the AC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

Note: The frequency error was recorded frequency error from the communication simulator.

4.3.3 Test Setup



4.3.4 Test Results

Channel: 40040 / Frequency (MHz): 2535.0MHz

Frequency Error vs. Voltage

Voltage (Volts)	Frequency Error (ppm)	Limit (ppm)
102	0.0145956595	2.5
120	0.0181459553	2.5
138	0.0122287958	2.5

Note: The applicant defined the normal working voltage is from 102Vac to 138Vac.

Frequency Error vs. Temperature

Temperature (°C)	Frequency Error (ppm)	Limit (ppm)
75	0.0130177499	2.5
70	0.0118343182	2.5
60	0.0138067049	2.5
50	0.0169625230	2.5
40	0.0106508858	2.5
30	0.0134122277	2.5
20	0.0157790913	2.5
10	0.0149901369	2.5
0	0.0086784996	2.5
-10	0.0122287957	2.5
-20	0.0130177500	2.5
-30	0.0114398405	2.5

Channel: 41240 / Frequency (MHz): 2655.0MHz

Frequency Error vs. Voltage

Voltage (Volts)	Frequency Error (ppm)	Limit (ppm)
102	0.0154425597	2.5
120	0.0180790942	2.5
138	0.0139359686	2.5

Note: The applicant defined the normal working voltage is from 102Vac to 138Vac.

Frequency Error vs. Temperature

Temperature (°C)	Frequency Error (ppm)	Limit (ppm)
75	0.0146892642	2.5
70	0.0120527288	2.5
60	0.0128060253	2.5
50	0.0173257988	2.5
40	0.0161958554	2.5
30	0.0120527294	2.5
20	0.0177024471	2.5
10	0.0116760814	2.5
0	0.0131826727	2.5
-10	0.0120527294	2.5
-20	0.0128060252	2.5
-30	0.0120527293	2.5

4.4 Emission Bandwidth Measurement

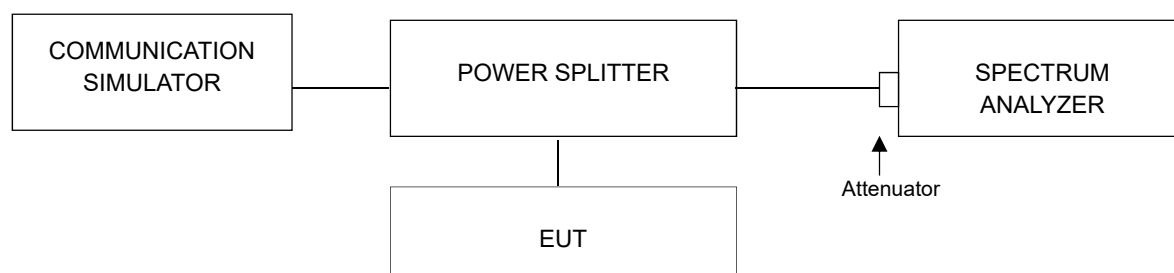
4.4.1 Limits of Emission Bandwidth Measurement

According to FCC 27.53(m)(6) specified that emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26dB below the transmitter power.

4.4.2 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with RBW = 100kHz and VBW = 300kHz (Channel Bandwidth: 5MHz), RBW = 200kHz and VBW = 1MHz (Channel Bandwidth: 10MHz), RBW = 300kHz and VBW = 1MHz (Channel Bandwidth: 15MHz) and RBW = 430kHz and VBW = 1.3MHz (Channel Bandwidth: 20MHz). The 26dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 26dB.

4.4.3 Test Setup

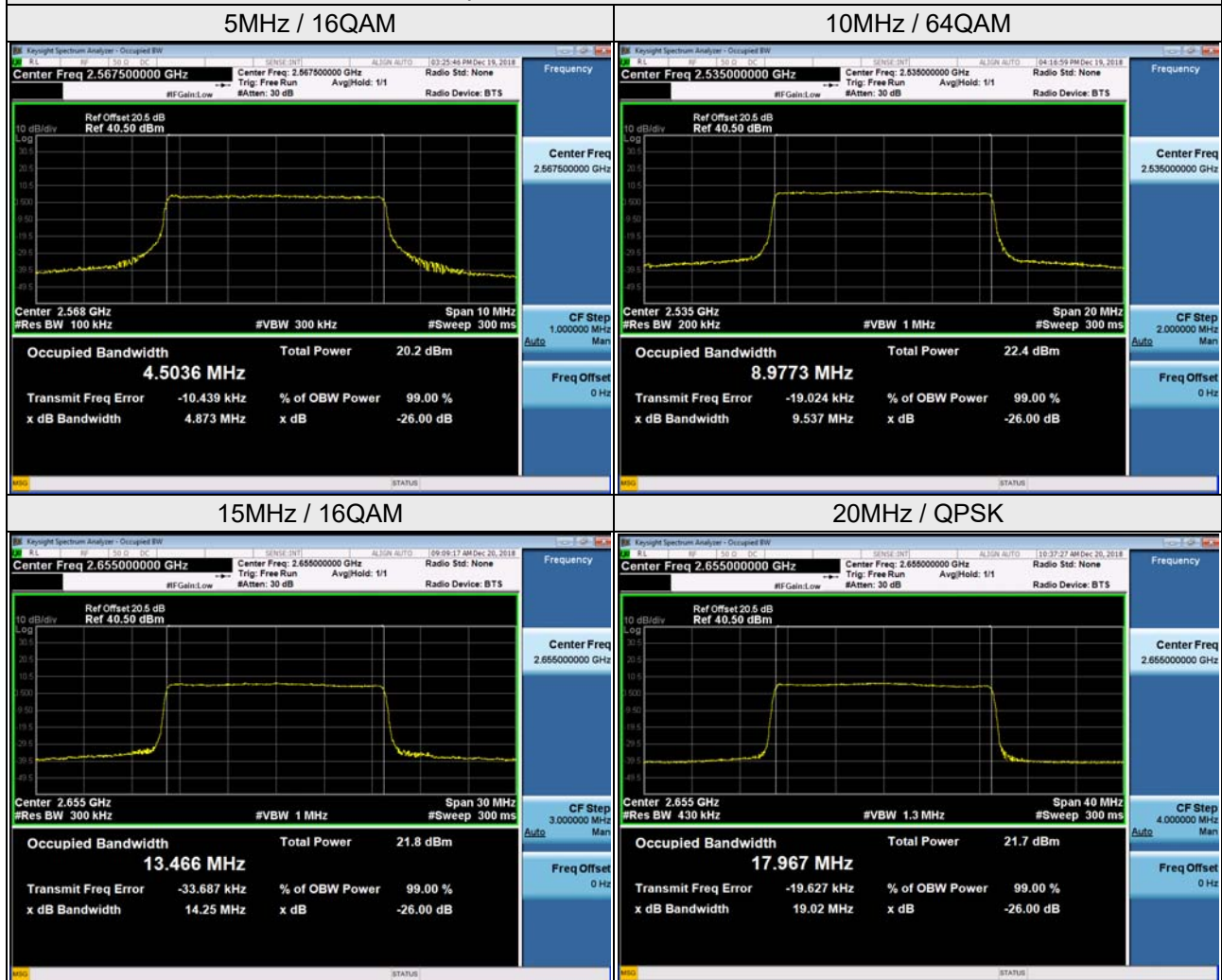


4.4.4 Test Result

Occupied Bandwidth (MHz)

Channel	Frequency (MHz)	Channel Bandwidth: 5MHz											
		QPSK				16QAM				64QAM			
		Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
39715	2502.5	4.4958	4.4972	4.4957	4.4957	4.4960	4.4992	4.4969	4.4966	4.4953	4.4973	4.4985	4.5001
40040	2535.0	4.4971	4.4967	4.4950	4.4958	4.4954	4.4962	4.4962	4.4977	4.4975	4.4928	4.4955	4.4983
40365	2567.5	4.4960	4.4982	4.4958	4.4991	4.4978	4.5000	4.4987	4.5036	4.4990	4.4969	4.4981	4.4968
40915	2622.5	4.4979	4.4962	4.4934	4.4949	4.5007	4.4987	4.4965	4.4966	4.4985	4.4947	4.4963	4.4978
41240	2655.0	4.4942	4.4994	4.4980	4.4960	4.4982	4.4980	4.5002	4.4993	4.4966	4.4972	4.4984	4.4988
41565	2687.5	4.4933	4.4952	4.4946	4.4936	4.4982	4.4932	4.4962	4.4949	4.4956	4.4951	4.5007	4.4973
Channel	Frequency (MHz)	Channel Bandwidth: 10MHz											
		QPSK				16QAM				64QAM			
		Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
39740	2505.0	8.9616	8.9582	8.9599	8.9581	8.9635	8.9660	8.9647	8.9665	8.9756	8.9735	8.9764	8.9751
40040	2535.0	8.9595	8.9598	8.9594	8.9589	8.9735	8.9661	8.9619	8.9682	8.9724	8.9674	8.9725	8.9773
40340	2565.0	8.9604	8.9618	8.9614	8.9603	8.9643	8.9641	8.9644	8.9628	8.9696	8.9723	8.9744	8.9674
40940	2625.0	8.9618	8.9590	8.9617	8.9713	8.9662	8.9655	8.9676	8.9709	8.9717	8.9730	8.9731	8.9761
41240	2655.0	8.9611	8.9578	8.9647	8.9703	8.9659	8.9660	8.9700	8.9625	8.9755	8.9740	8.9771	8.9733
41540	2685.0	8.9582	8.9578	8.9549	8.9545	8.9689	8.9619	8.9666	8.9659	8.9708	8.9744	8.9690	8.9727
Channel	Frequency (MHz)	Channel Bandwidth: 15MHz											
		QPSK				16QAM				64QAM			
		Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
39765	2507.5	13.454	13.455	13.454	13.451	13.459	13.461	13.462	13.466	13.444	13.441	13.443	13.440
40040	2535.0	13.448	13.447	13.449	13.448	13.451	13.456	13.457	13.453	13.436	13.438	13.436	13.433
40315	2562.5	13.440	13.443	13.441	13.439	13.451	13.451	13.456	13.455	13.431	13.429	13.430	13.431
40965	2627.5	13.457	13.454	13.454	13.453	13.462	13.461	13.463	13.444	13.440	13.440	13.441	13.442
41240	2655.0	13.448	13.453	13.451	13.448	13.459	13.458	13.466	13.461	13.438	13.438	13.441	13.442
41515	2682.5	13.428	13.436	13.435	13.432	13.450	13.449	13.445	13.446	13.423	13.425	13.424	13.424
Channel	Frequency (MHz)	Channel Bandwidth: 20MHz											
		QPSK				16QAM				64QAM			
		Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
39790	2510.0	17.935	17.932	17.936	17.934	17.949	17.945	17.945	17.942	17.946	17.944	17.935	17.936
40040	2535.0	17.914	17.919	17.915	17.916	17.930	17.927	17.929	17.922	17.924	17.922	17.926	17.919
40290	2560.0	17.914	17.908	17.907	17.908	17.924	17.925	17.923	17.917	17.915	17.912	17.914	17.910
40990	2630.0	17.957	17.966	17.956	17.959	17.945	17.940	17.936	17.934	17.928	17.928	17.933	17.924
41240	2655.0	17.959	17.955	17.952	17.967	17.934	17.929	17.939	17.929	17.928	17.936	17.932	17.929
41490	2680.0	17.921	17.925	17.920	17.919	17.897	17.900	17.902	17.897	17.893	17.887	17.891	17.890

Occupied Bandwidth Spectrum Plot of Worst Value



26dBc Bandwidth (MHz)

Channel	Frequency (MHz)	Channel Bandwidth: 5MHz											
		QPSK				16QAM				64QAM			
		Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
39715	2502.5	4.869	4.900	4.873	4.873	4.851	4.884	4.887	4.884	4.936	4.925	4.891	4.893
40040	2535.0	4.901	4.876	4.898	4.881	4.878	4.850	4.847	4.882	4.901	4.901	4.903	4.901
40365	2567.5	4.896	4.896	4.880	4.880	4.844	4.890	4.877	4.873	4.913	4.907	4.915	4.911
40915	2622.5	4.866	4.877	4.886	4.905	4.889	4.889	4.877	4.882	4.922	4.890	4.917	4.941
41240	2655.0	4.878	4.899	4.882	4.889	4.862	4.882	4.875	4.865	4.895	4.916	4.902	4.892
41565	2687.5	4.870	4.903	4.883	4.858	4.865	4.842	4.836	4.850	4.919	4.902	4.934	4.896
Channel	Frequency (MHz)	Channel Bandwidth: 10MHz											
		QPSK				16QAM				64QAM			
		Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
39740	2505.0	9.508	9.517	9.520	9.505	9.508	9.514	9.505	9.506	9.522	9.518	9.520	9.533
40040	2535.0	9.524	9.523	9.510	9.513	9.535	9.504	9.502	9.513	9.518	9.519	9.535	9.537
40340	2565.0	9.509	9.497	9.518	9.541	9.517	9.508	9.503	9.511	9.504	9.510	9.501	9.512
40940	2625.0	9.537	9.534	9.520	9.545	9.511	9.508	9.517	9.526	9.529	9.537	9.515	9.516
41240	2655.0	9.522	9.523	9.510	9.525	9.507	9.516	9.498	9.503	9.516	9.538	9.547	9.521
41540	2685.0	9.536	9.533	9.513	9.509	9.542	9.521	9.541	9.516	9.536	9.550	9.539	9.523
Channel	Frequency (MHz)	Channel Bandwidth: 15MHz											
		QPSK				16QAM				64QAM			
		Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
39765	2507.5	14.21	14.23	14.22	14.23	14.24	14.26	14.24	14.25	14.22	14.21	14.21	14.21
40040	2535.0	14.22	14.21	14.21	14.21	14.23	14.24	14.23	14.24	14.20	14.22	14.21	14.21
40315	2562.5	14.22	14.20	14.23	14.21	14.24	14.24	14.24	14.25	14.21	14.20	14.21	14.21
40965	2627.5	14.22	14.23	14.22	14.22	14.25	14.24	14.24	14.23	14.21	14.21	14.22	14.21
41240	2655.0	14.23	14.23	14.22	14.22	14.24	14.23	14.25	14.24	14.20	14.22	14.22	14.21
41515	2682.5	14.22	14.20	14.21	14.20	14.23	14.24	14.24	14.23	14.20	14.21	14.20	14.19
Channel	Frequency (MHz)	Channel Bandwidth: 20MHz											
		QPSK				16QAM				64QAM			
		Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3
39790	2510.0	19.00	19.00	19.00	19.01	18.99	19.01	19.00	19.00	19.01	19.01	19.01	19.00
40040	2535.0	19.00	19.00	18.99	19.00	18.99	18.97	18.99	18.98	19.00	18.99	18.99	18.99
40290	2560.0	18.97	18.97	18.98	18.98	19.00	18.98	18.98	18.98	18.99	18.98	18.99	18.99
40990	2630.0	19.01	19.01	19.01	19.01	18.99	19.00	18.97	18.99	19.01	19.00	19.01	19.00
41240	2655.0	19.01	19.01	18.98	19.02	18.99	19.01	19.00	19.01	19.00	19.00	19.00	19.01
41490	2680.0	18.99	19.00	19.00	18.98	18.98	18.98	18.99	18.99	18.99	18.99	18.99	18.98

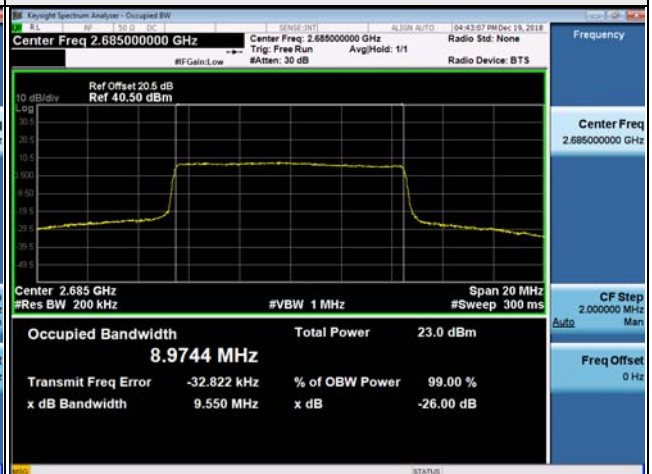
26dBc Bandwidth

Spectrum Plot of Worst Value

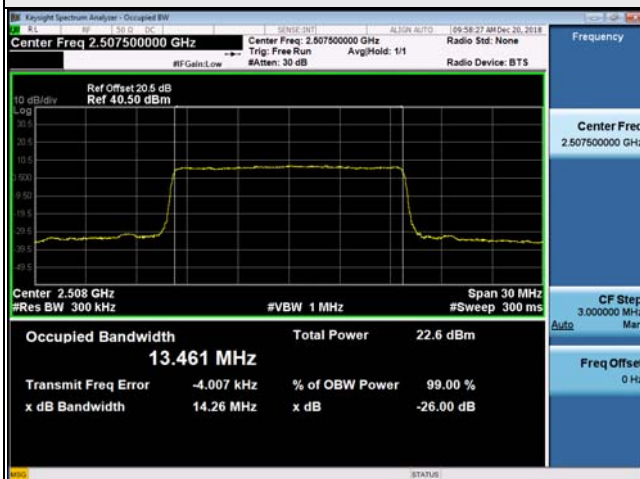
5MHz / 64QAM



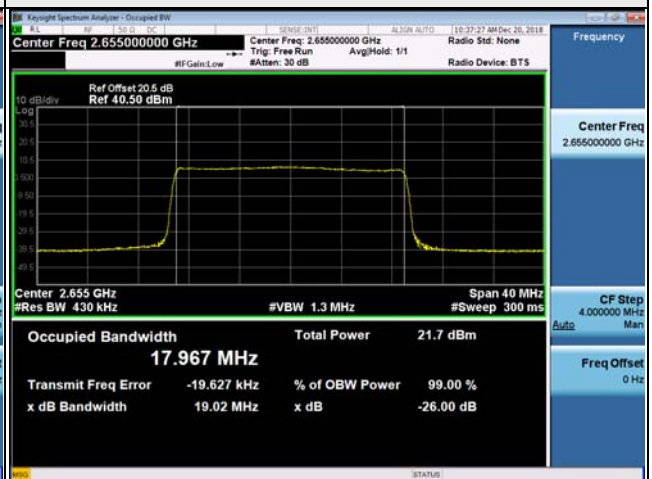
10MHz / 64QAM



15MHz / 16QAM



20MHz / QPSK

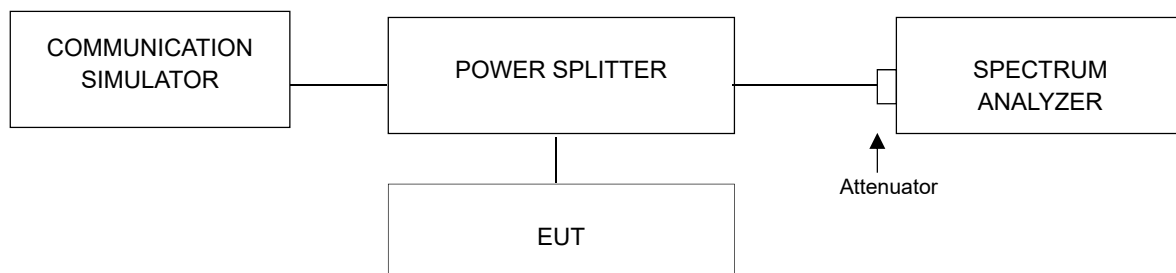


4.5 Channel Edge Measurement

4.5.1 Limits of Band Edge Measurement

According to FCC 27.53(m)(4) specified that power of any emission outside of the channel edge must be attenuated below the transmitting power (P) by a factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed.

4.5.2 Test Setup



4.5.3 Test Procedures

- a. The EUT was set up for the rated peak power. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels: low, middle and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 1.5MHz. RBW = 100kHz and VBW = 300kHz (Channel Bandwidth: 5MHz), RBW = 200kHz and VBW = 620kHz (Channel Bandwidth: 10MHz), RBW = 300kHz and VBW = 910kHz (Channel Bandwidth: 15MHz) and RBW = 430kHz and VBW = 1.3MHz (Channel Bandwidth: 20MHz).
- c. Record the max trace plot into the test report.

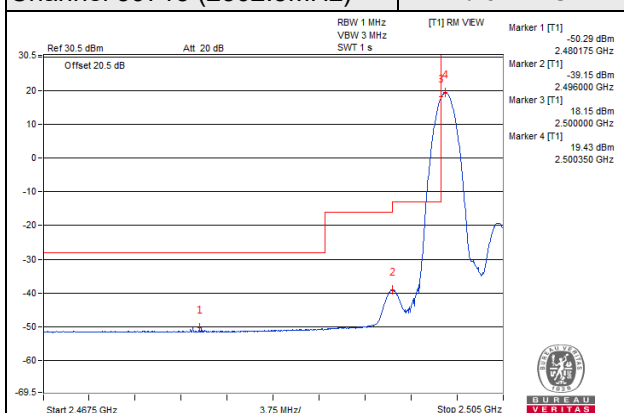
4.5.4 Test Results

Chain 0 / QPSK

Channel Bandwidth: 5MHz

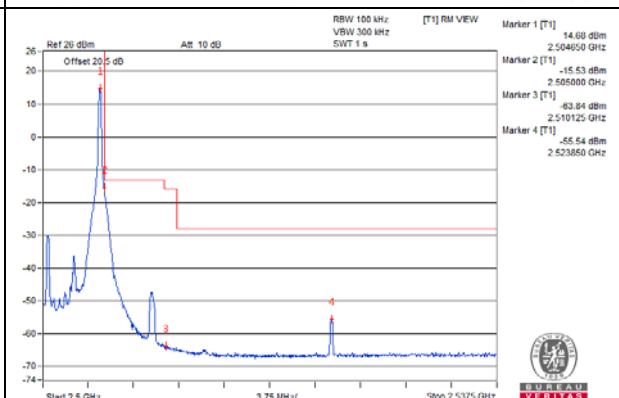
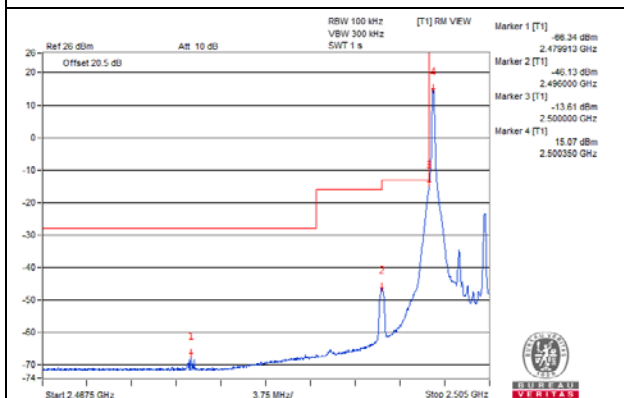
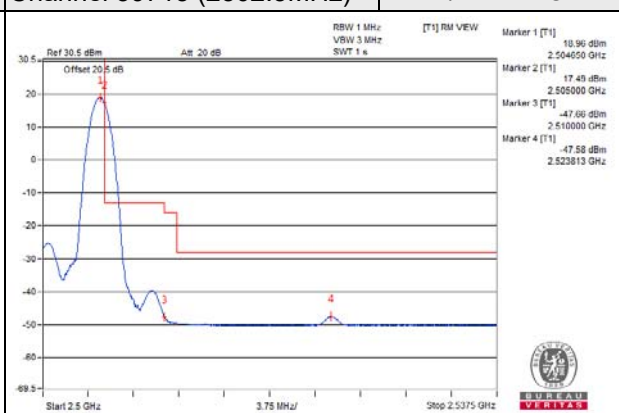
Channel 39715 (2502.5MHz)

1 RB / 0 RB Offset



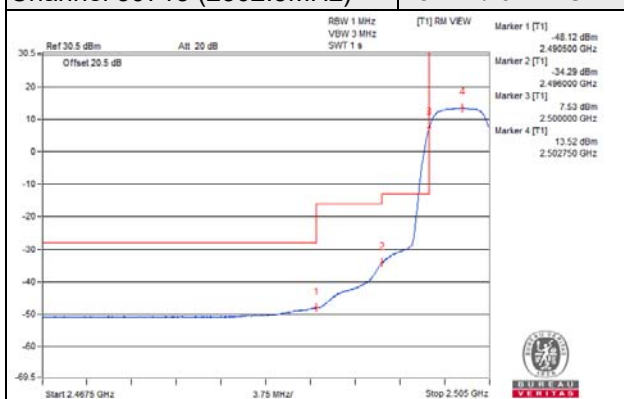
Channel 39715 (2502.5MHz)

1 RB / 24 RB Offset



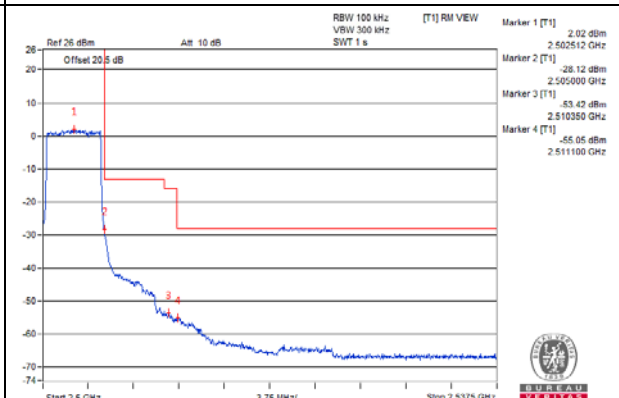
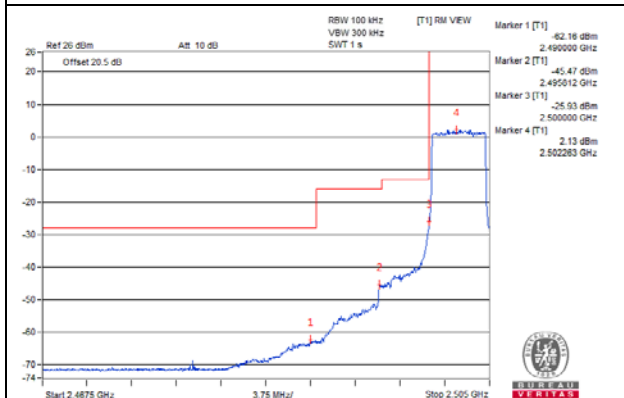
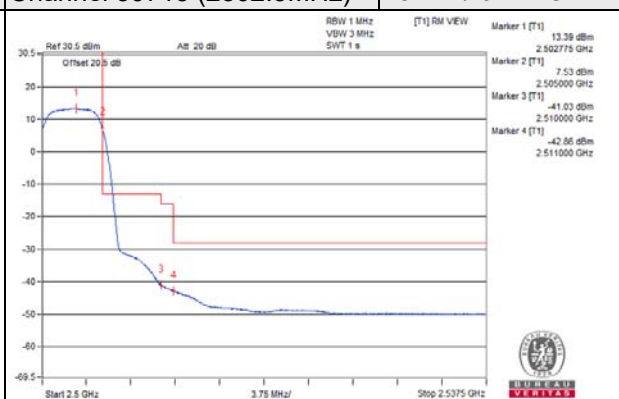
Channel 39715 (2502.5MHz)

25 RB / 0 RB Offset



Channel 39715 (2502.5MHz)

25 RB / 0 RB Offset



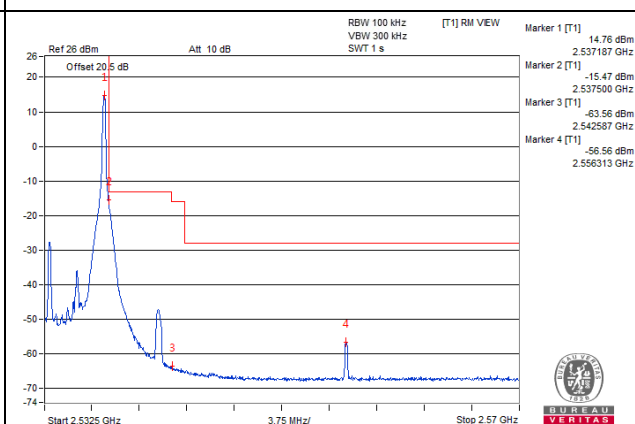
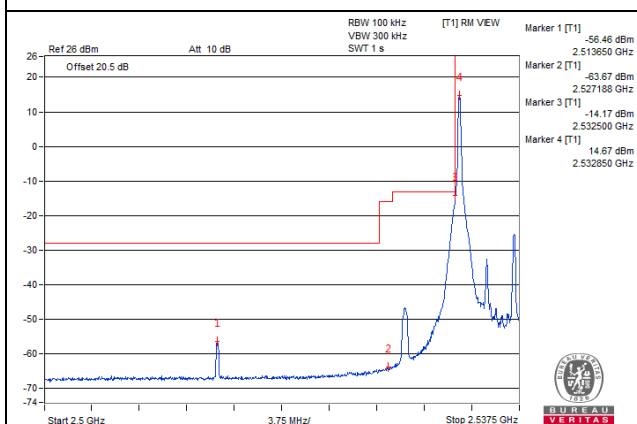
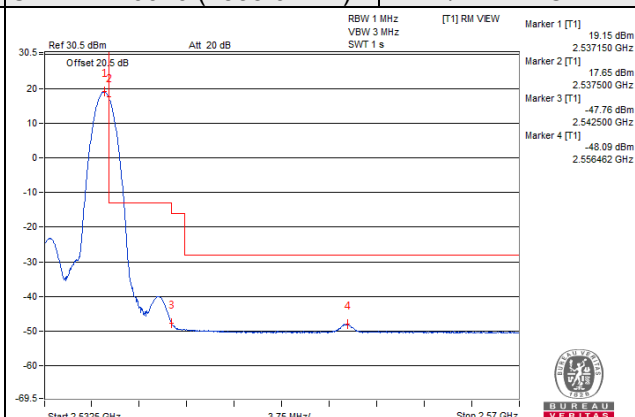
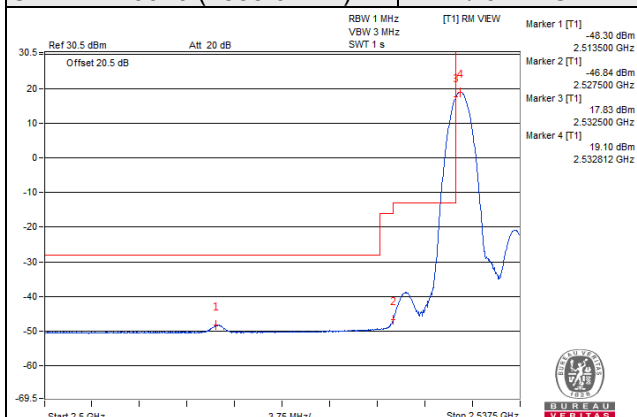
Channel Bandwidth: 5MHz

Channel 40040 (2535.0MHz)

1 RB / 0 RB Offset

Channel 40040 (2535.0MHz)

1 RB / 24 RB Offset

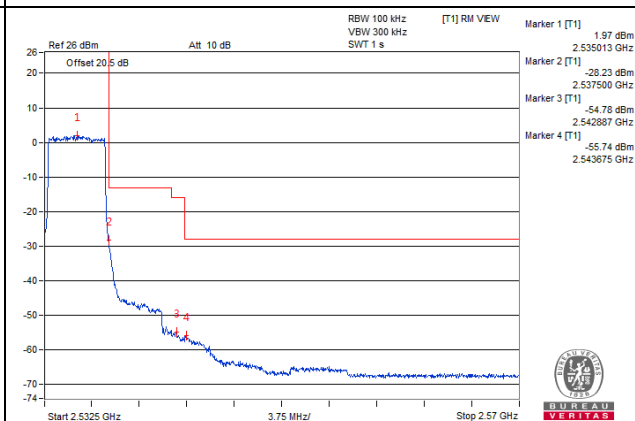
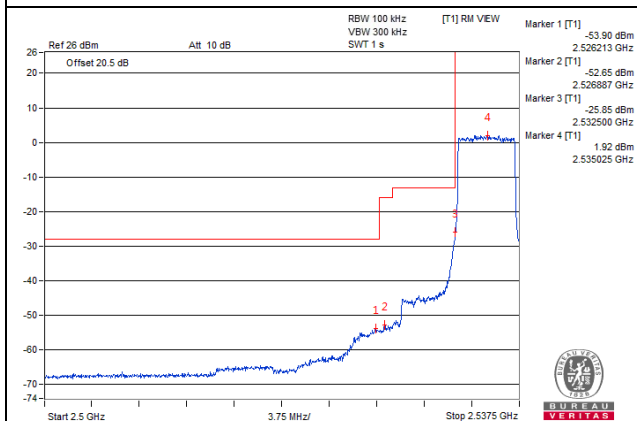
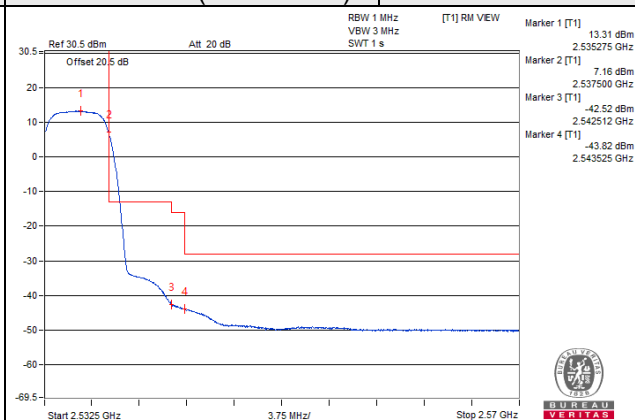
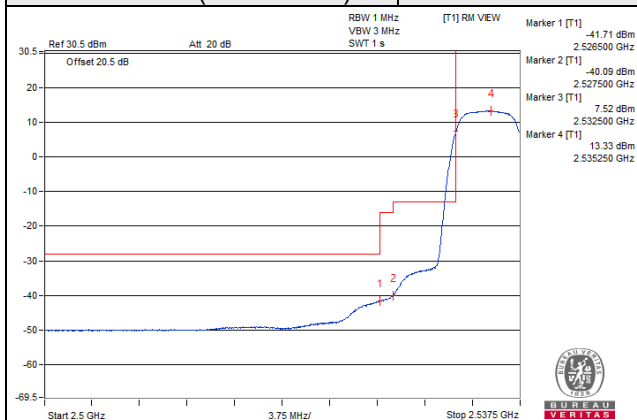


Channel 40040 (2535.0MHz)

25 RB / 0 RB Offset

Channel 40040 (2535.0MHz)

25 RB / 0 RB Offset



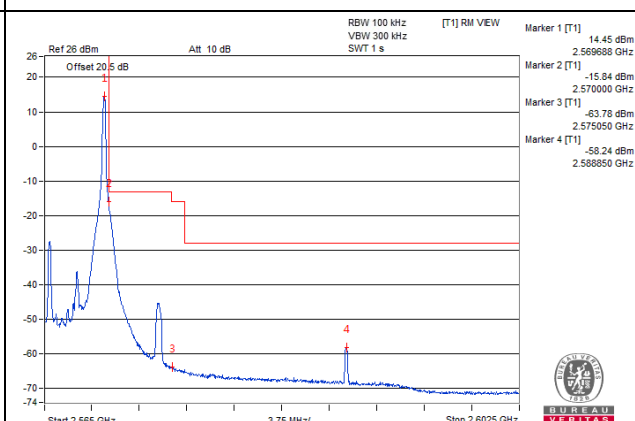
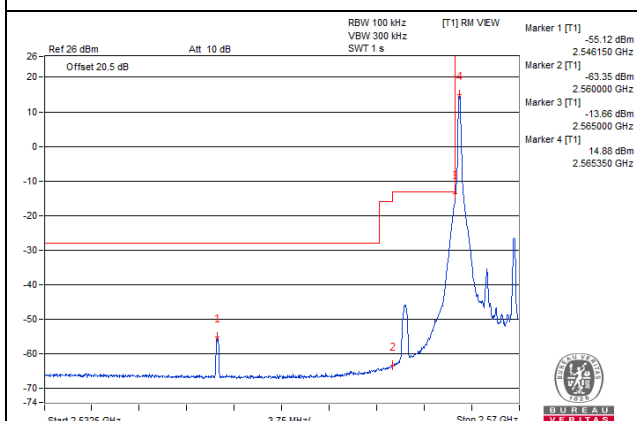
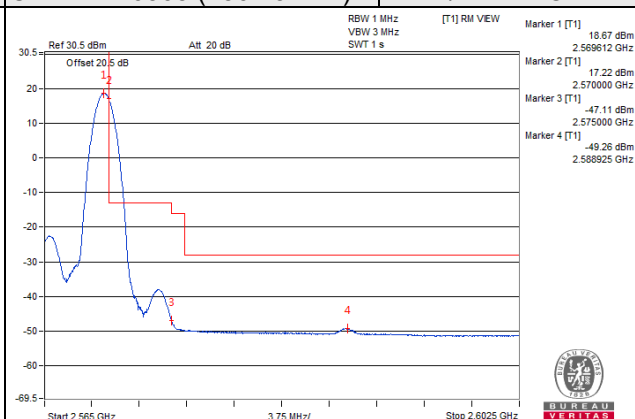
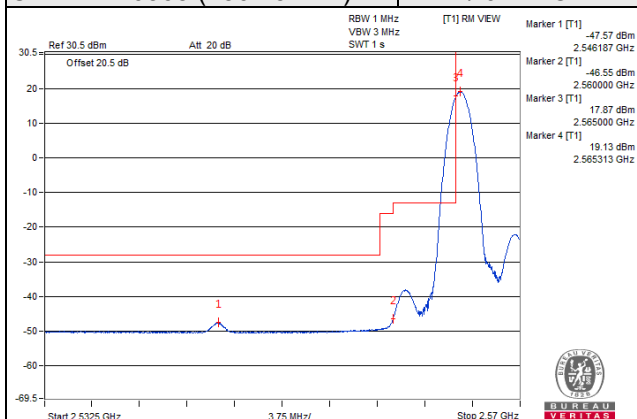
Channel Bandwidth: 5MHz

Channel 40365 (2567.5MHz)

1 RB / 0 RB Offset

Channel 40365 (2567.5MHz)

1 RB / 24 RB Offset

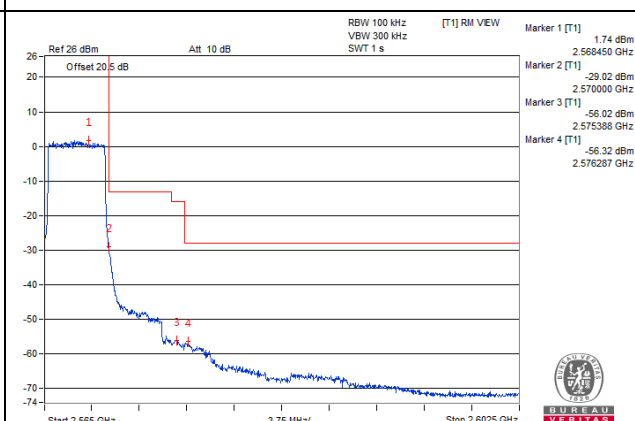
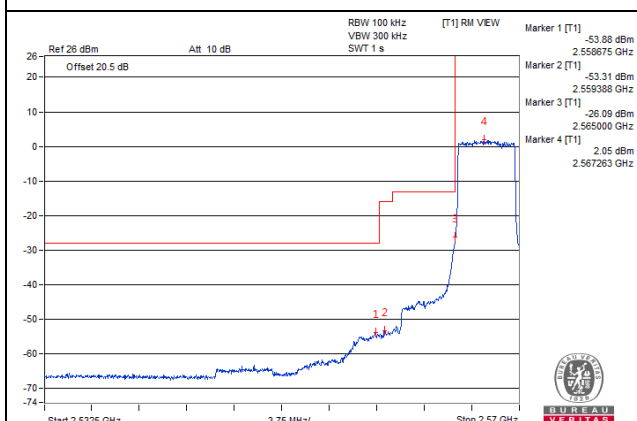
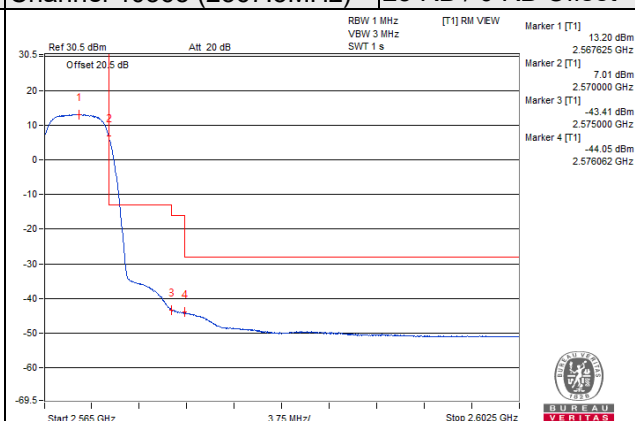
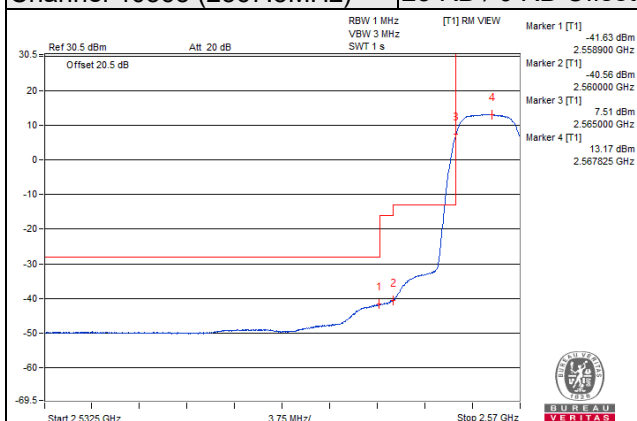


Channel 40365 (2567.5MHz)

25 RB / 0 RB Offset

Channel 40365 (2567.5MHz)

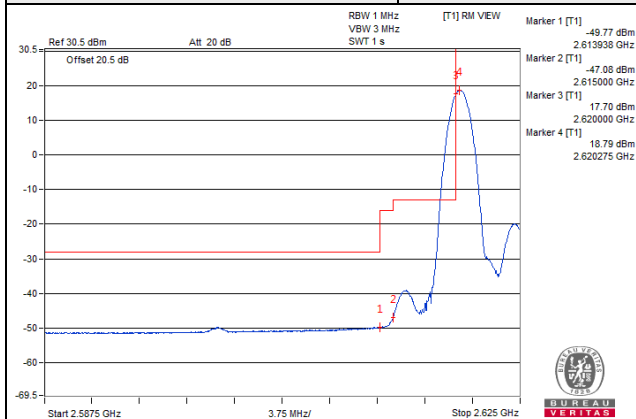
25 RB / 0 RB Offset



Channel Bandwidth: 5MHz

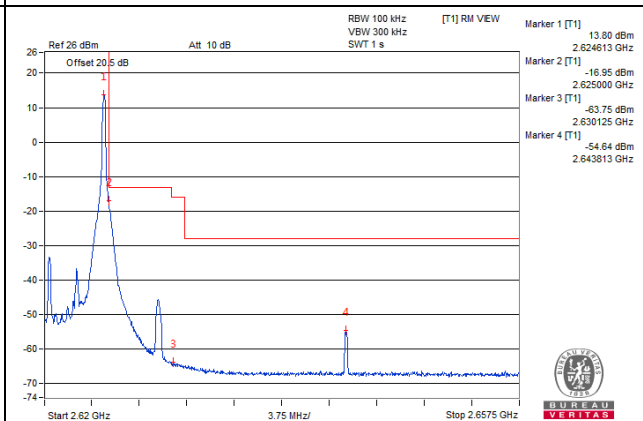
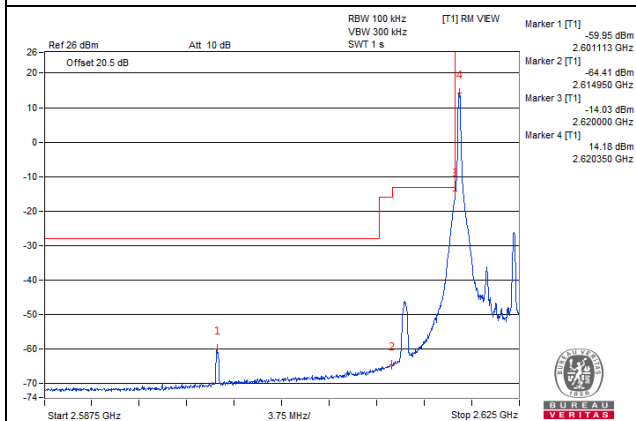
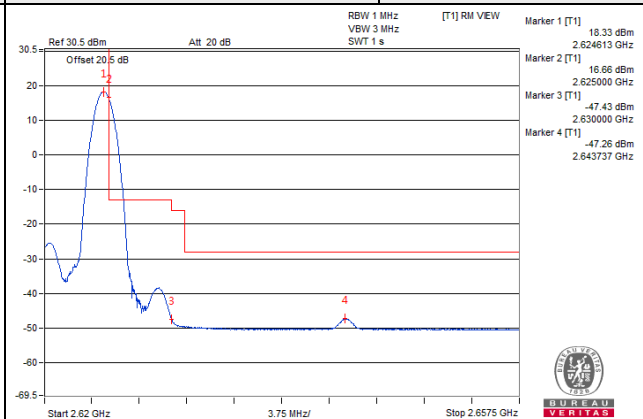
Channel 40915 (2622.5MHz)

1 RB / 0 RB Offset



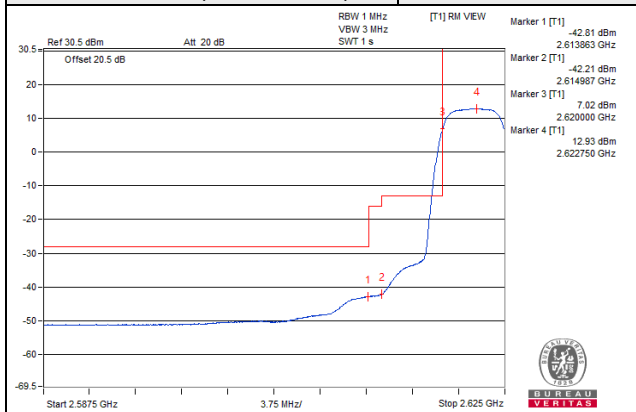
Channel 40915 (2622.5MHz)

1 RB / 24 RB Offset



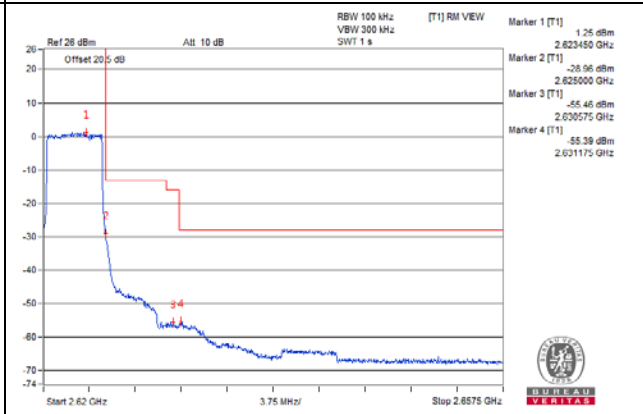
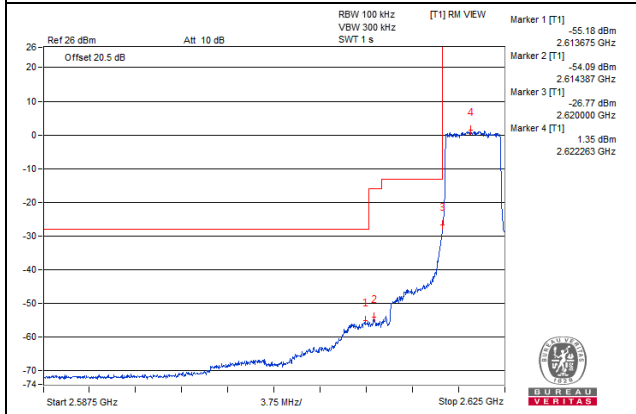
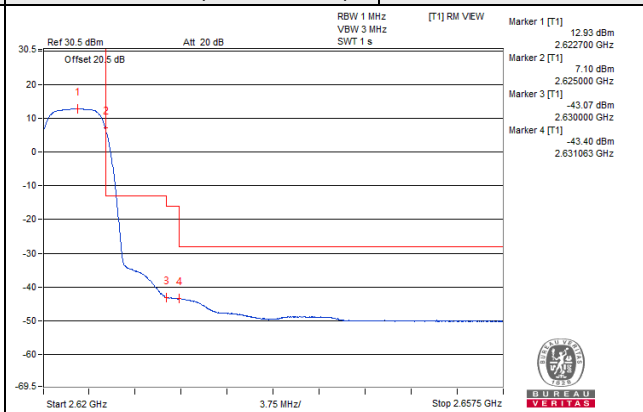
Channel 40915 (2622.5MHz)

25 RB / 0 RB Offset



Channel 40915 (2622.5MHz)

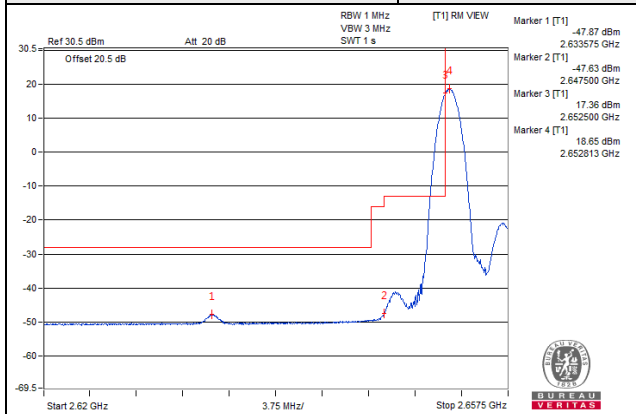
25 RB / 0 RB Offset



Channel Bandwidth: 5MHz

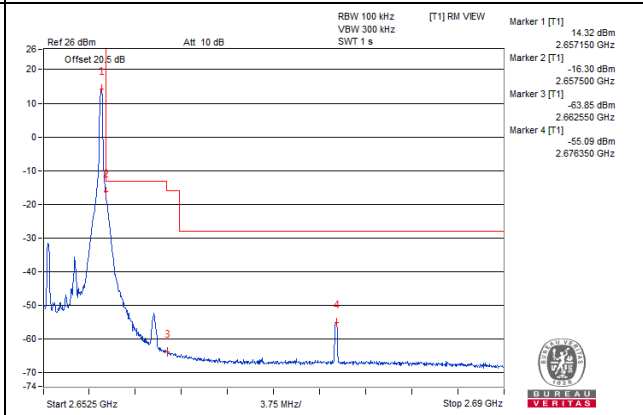
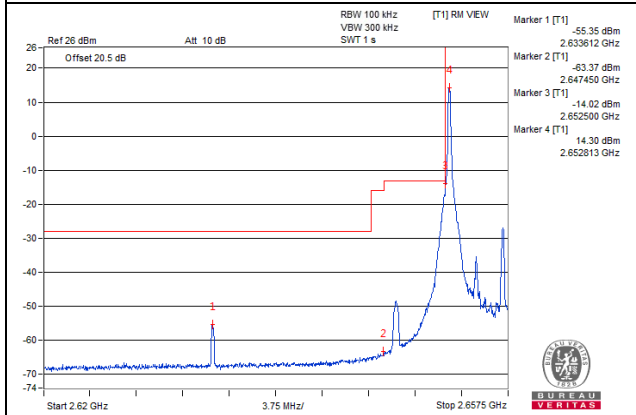
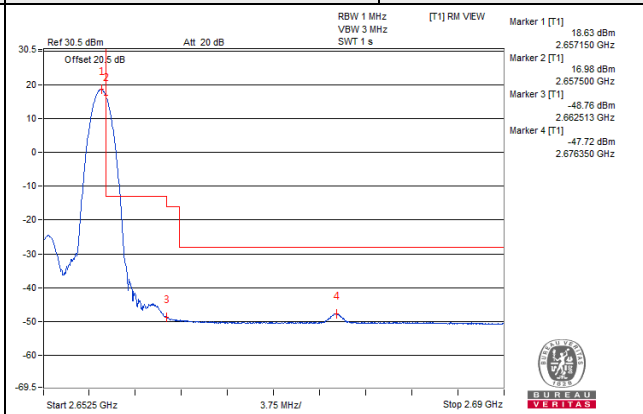
Channel 41240 (2655.0MHz)

1 RB / 0 RB Offset



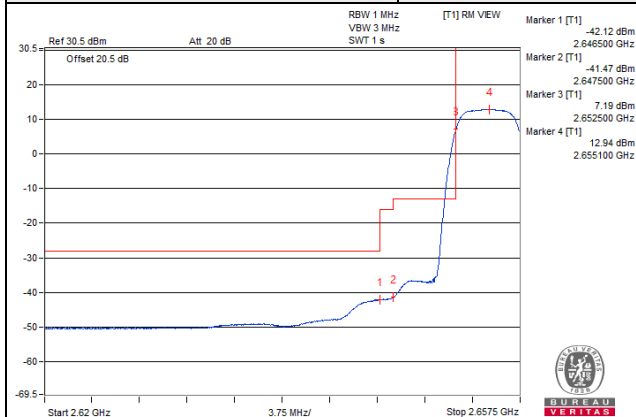
Channel 41240 (2655.0MHz)

1 RB / 24 RB Offset



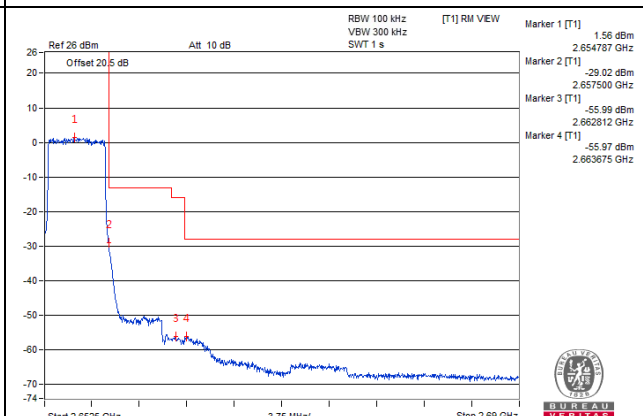
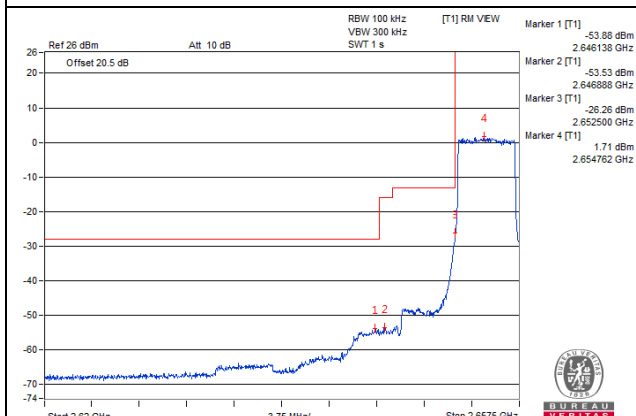
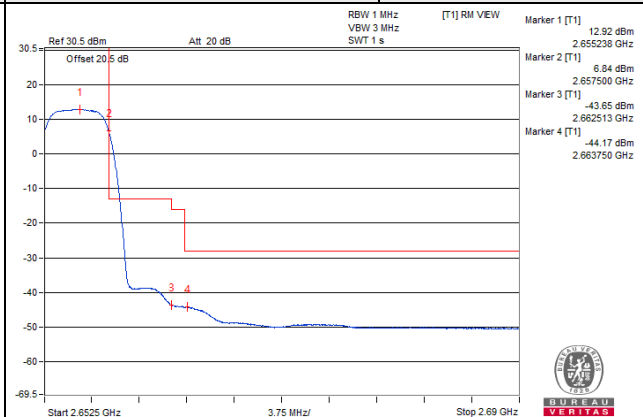
Channel 41240 (2655.0MHz)

25 RB / 0 RB Offset



Channel 41240 (2655.0MHz)

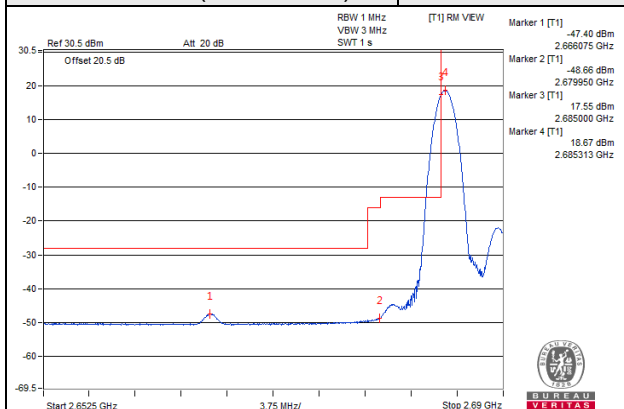
25 RB / 0 RB Offset



Channel Bandwidth: 5MHz

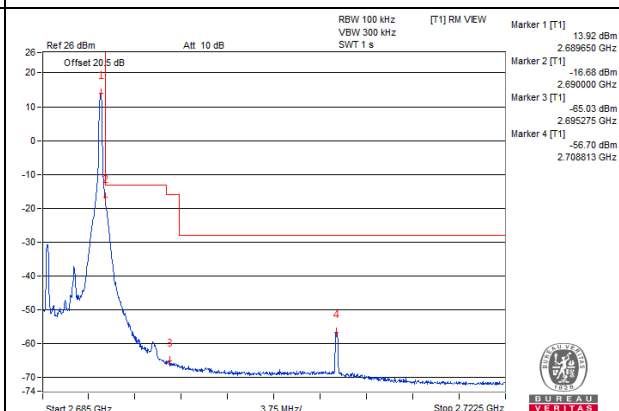
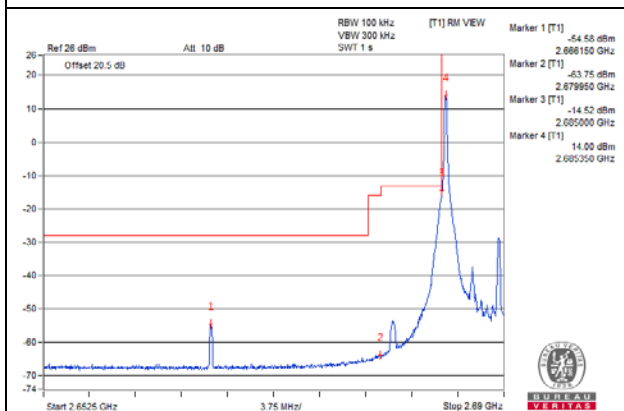
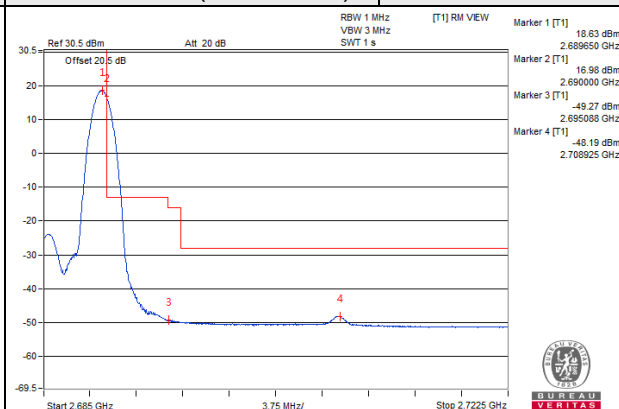
Channel 41565 (2687.5MHz)

1 RB / 0 RB Offset



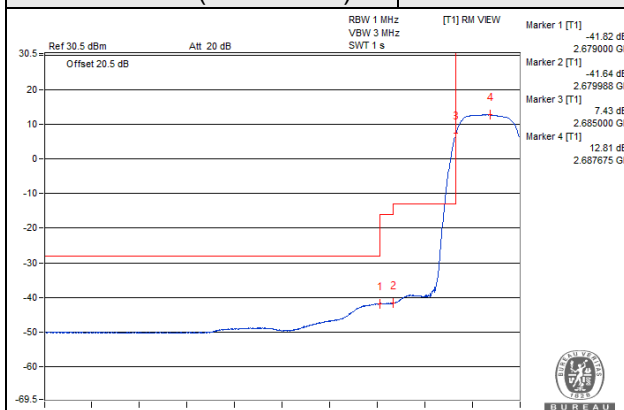
Channel 41565 (2687.5MHz)

1 RB / 24 RB Offset



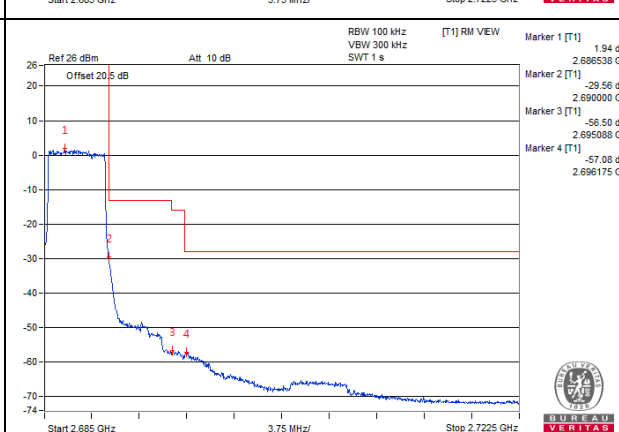
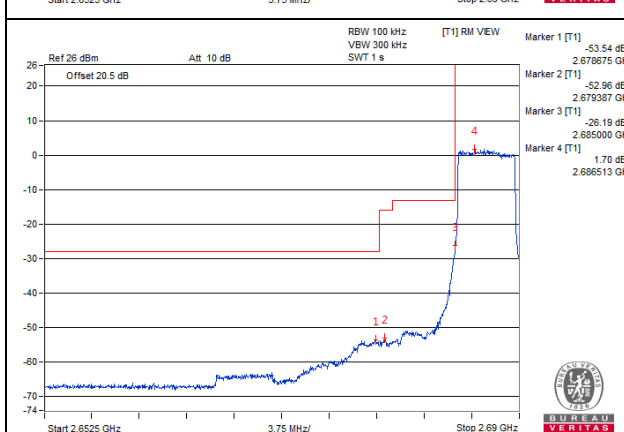
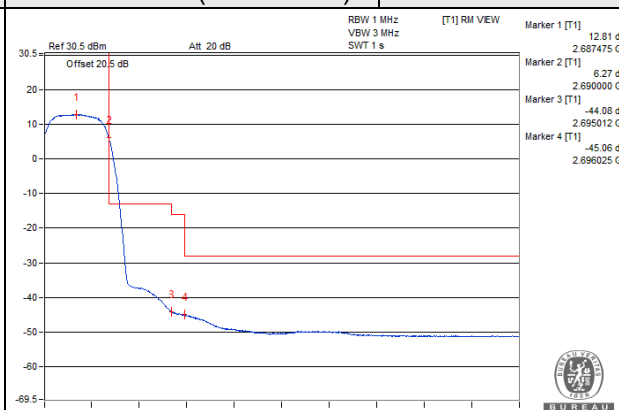
Channel 41565 (2687.5MHz)

25 RB / 0 RB Offset



Channel 41565 (2687.5MHz)

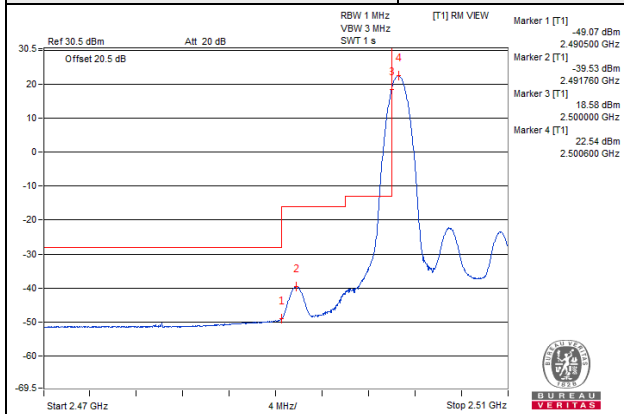
25 RB / 0 RB Offset



Channel Bandwidth: 10MHz

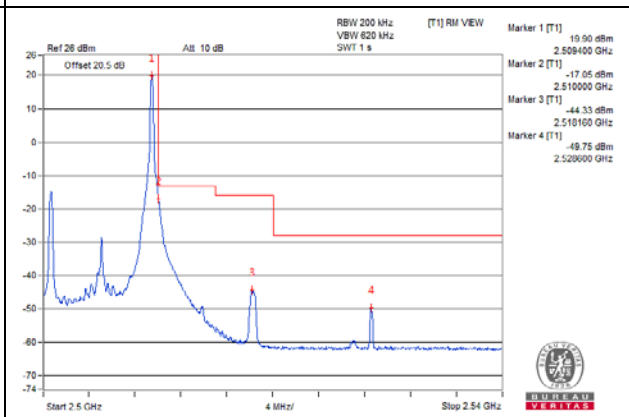
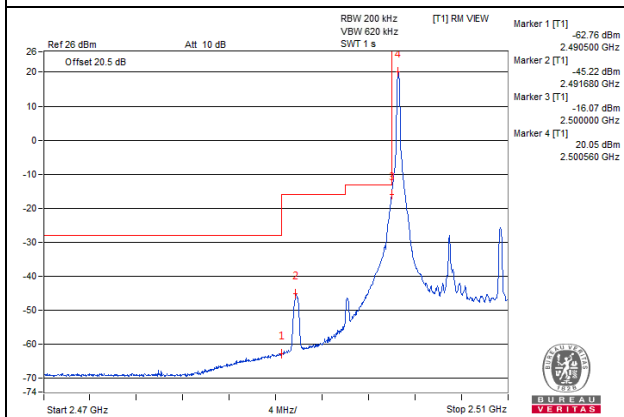
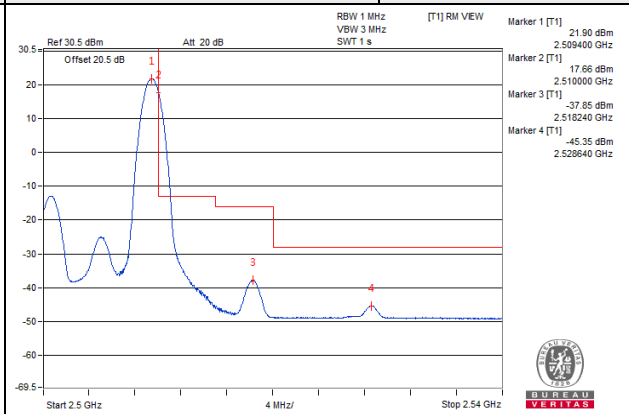
Channel 39740 (2505.0MHz),

1 RB / 0 RB Offset



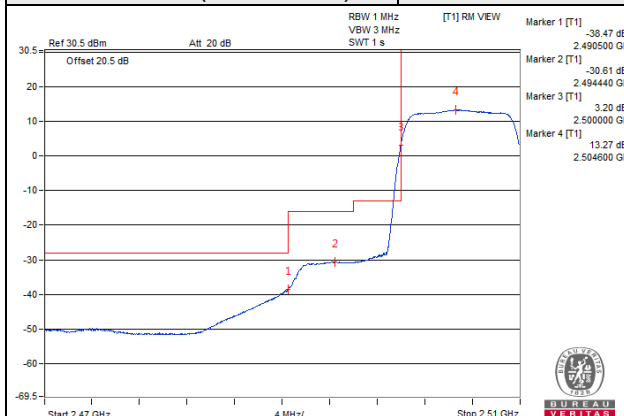
Channel 39740 (2505.0MHz),

1 RB / 49 RB Offset



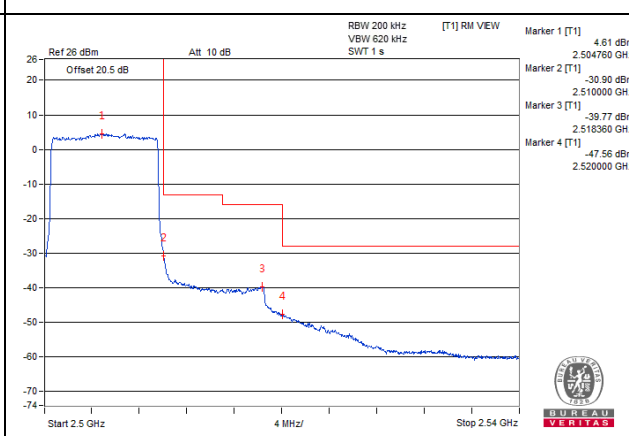
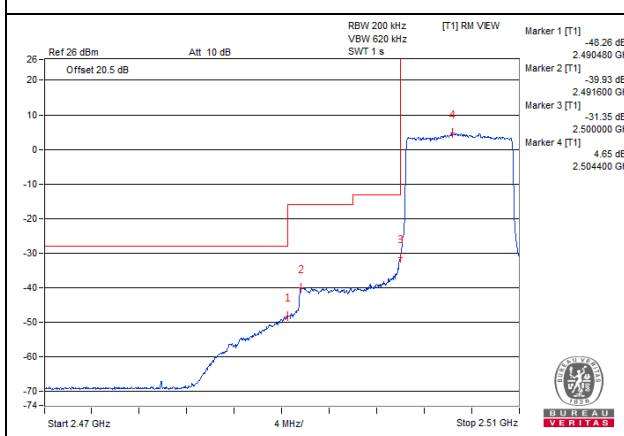
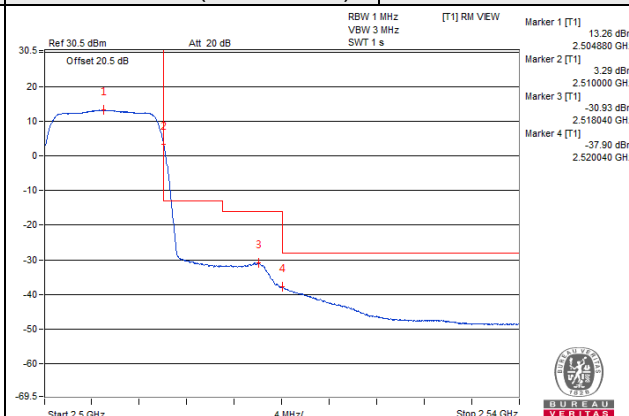
Channel 39740 (2505.0MHz),

50 RB / 0 RB Offset



Channel 39740 (2505.0MHz),

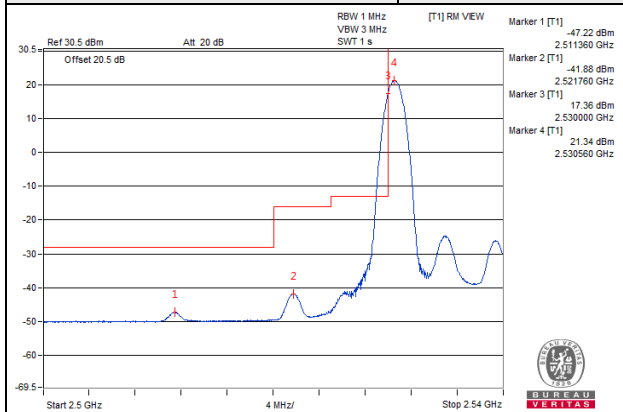
50 RB / 0 RB Offset



Channel Bandwidth: 10MHz

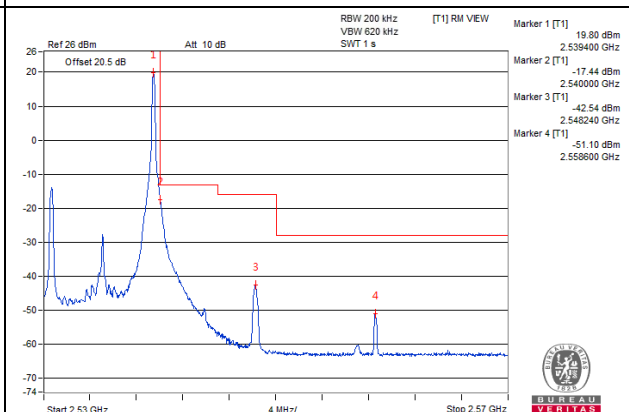
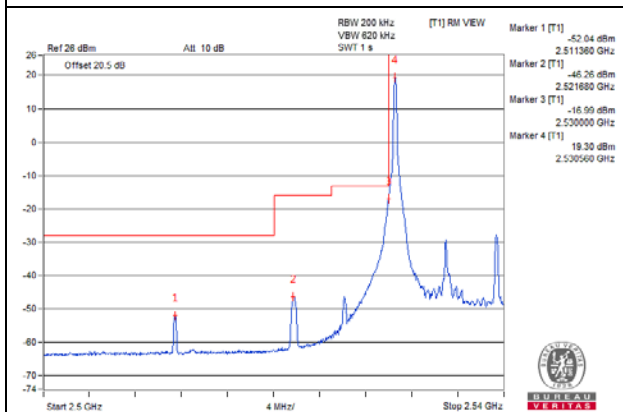
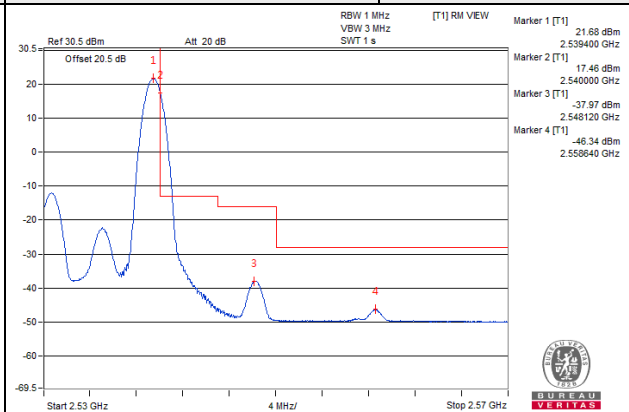
Channel 40040 (2535.0MHz)

1 RB / 0 RB Offset



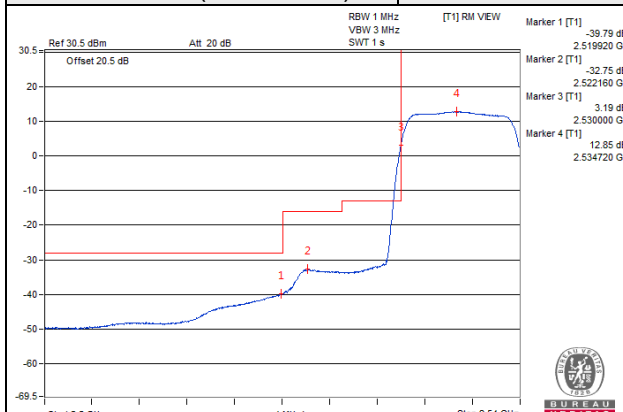
Channel 40040 (2535.0MHz)

1 RB / 49 RB Offset



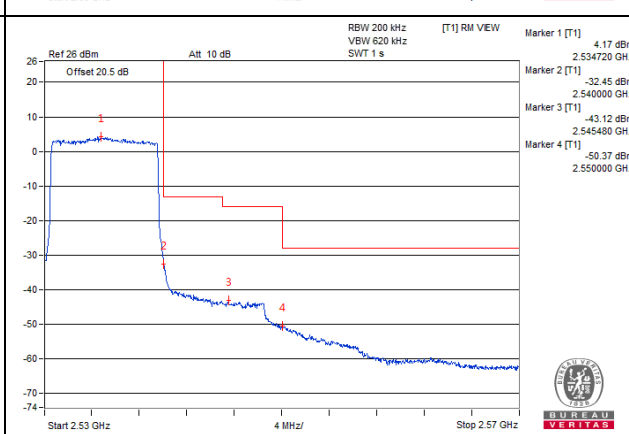
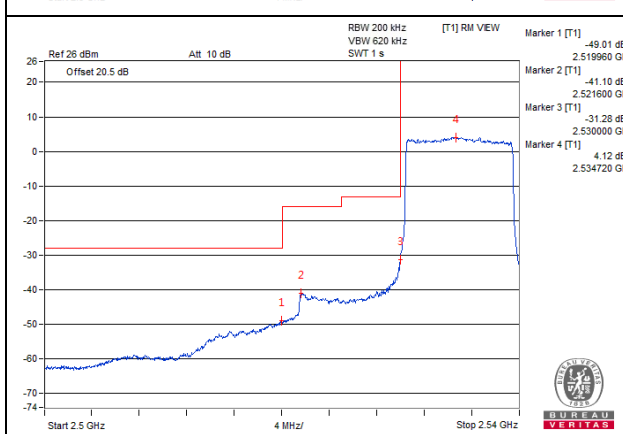
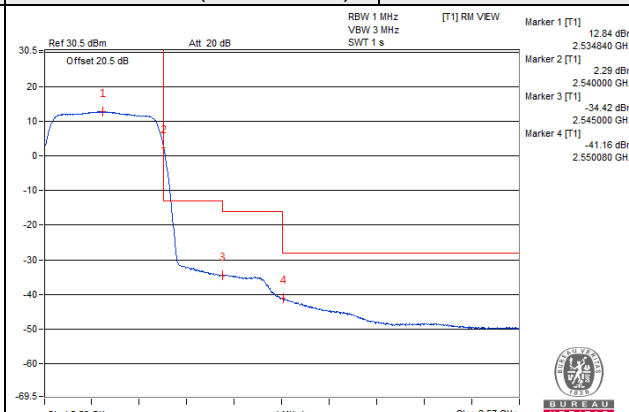
Channel 40040 (2535.0MHz)

50 RB / 0 RB Offset



Channel 40040 (2535.0MHz)

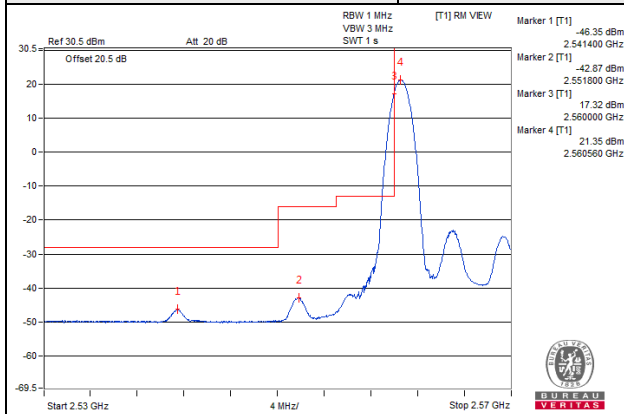
50 RB / 0 RB Offset



Channel Bandwidth: 10MHz

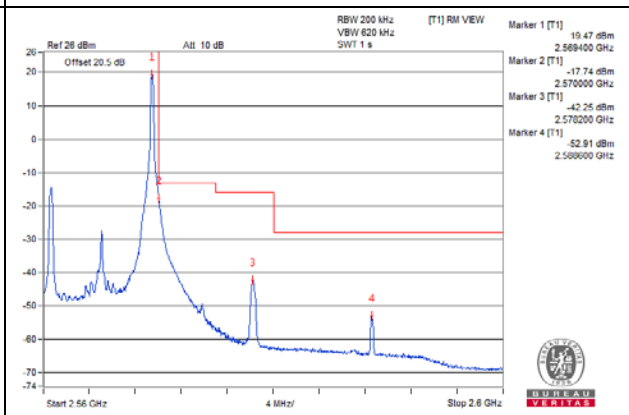
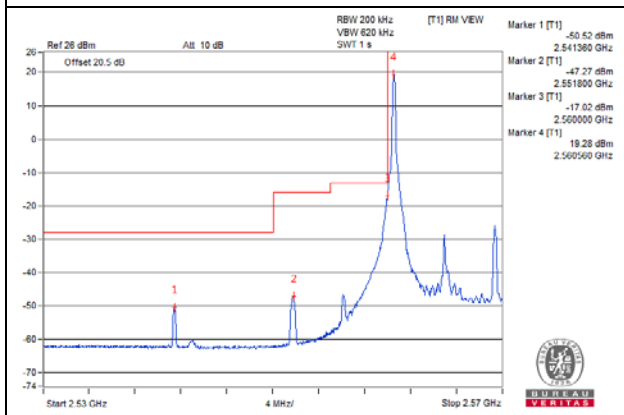
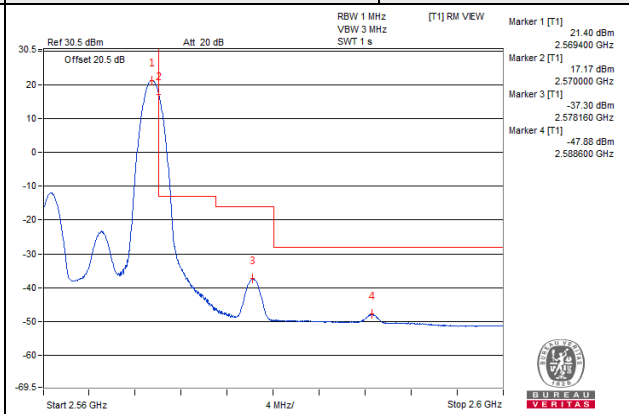
Channel 40340 (2565.0MHz)

1 RB / 0 RB Offset



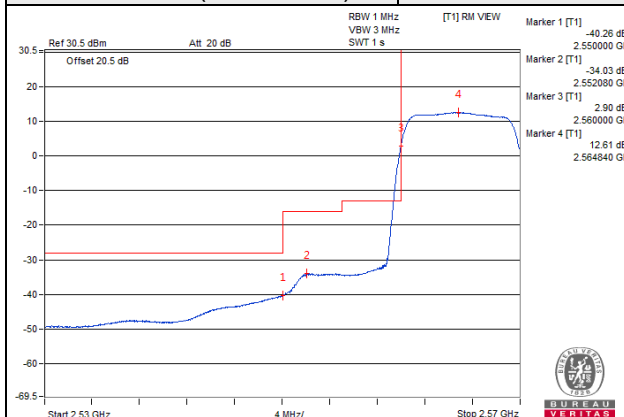
Channel 40340 (2565.0MHz)

1 RB / 49 RB Offset



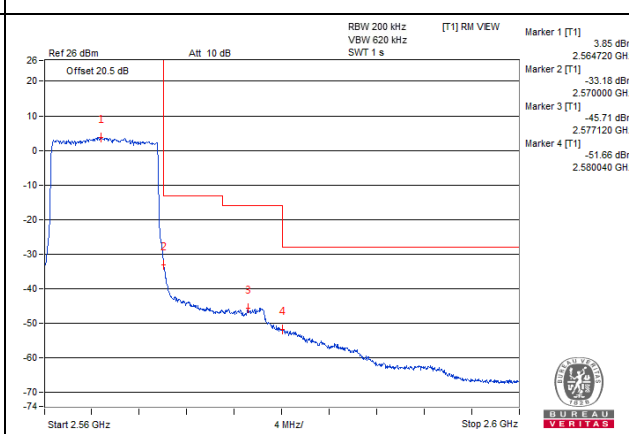
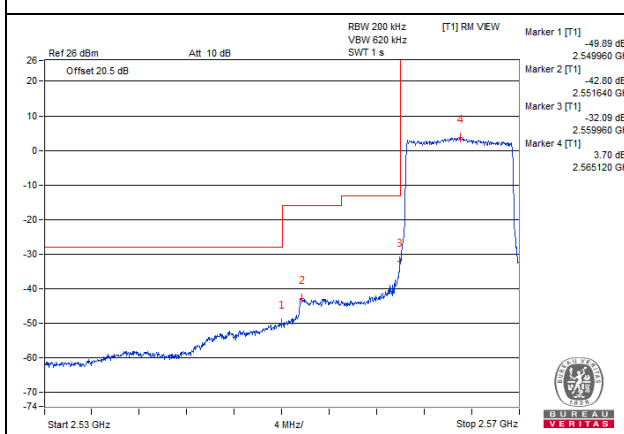
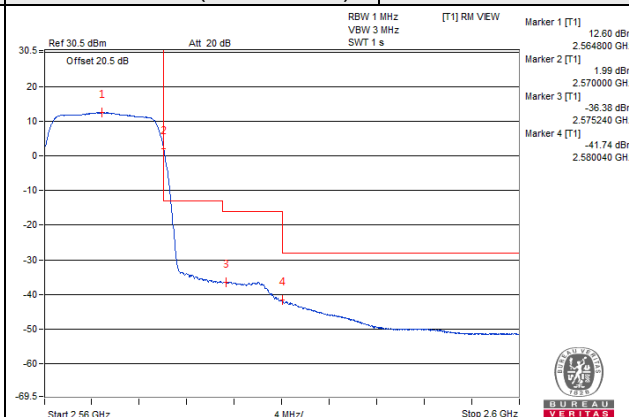
Channel 40340 (2565.0MHz)

50 RB / 0 RB Offset



Channel 40340 (2565.0MHz)

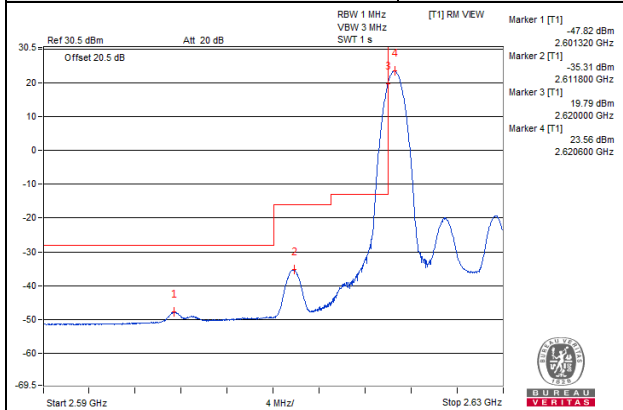
50 RB / 0 RB Offset



Channel Bandwidth: 10MHz

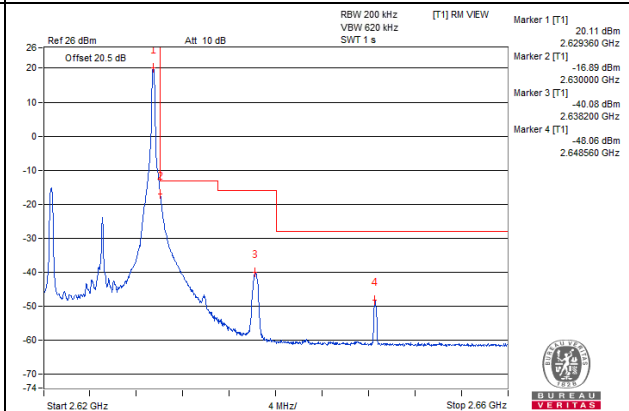
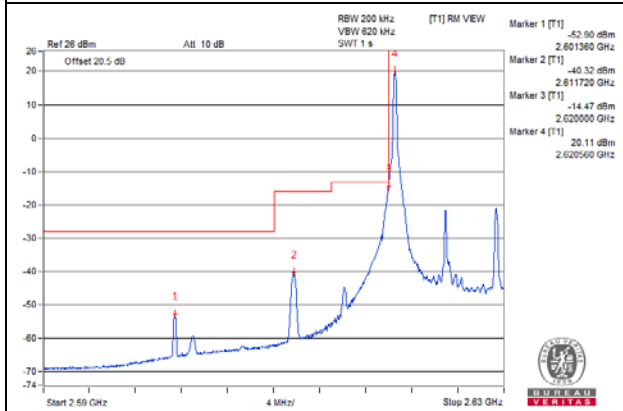
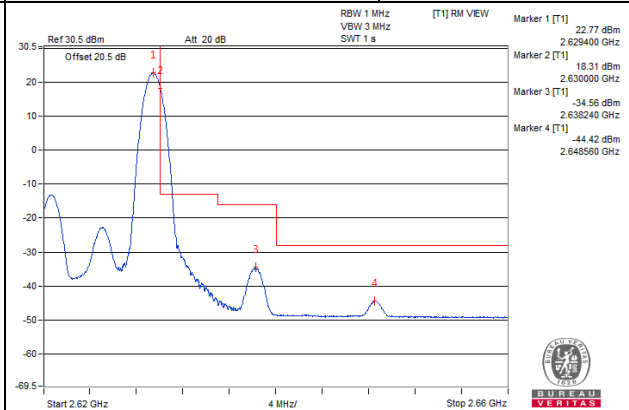
Channel 40940 (2625.0MHz)

1 RB / 0 RB Offset



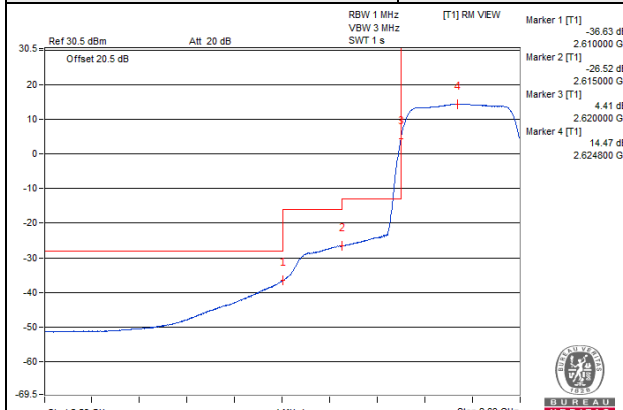
Channel 40940 (2625.0MHz)

1 RB / 49 RB Offset



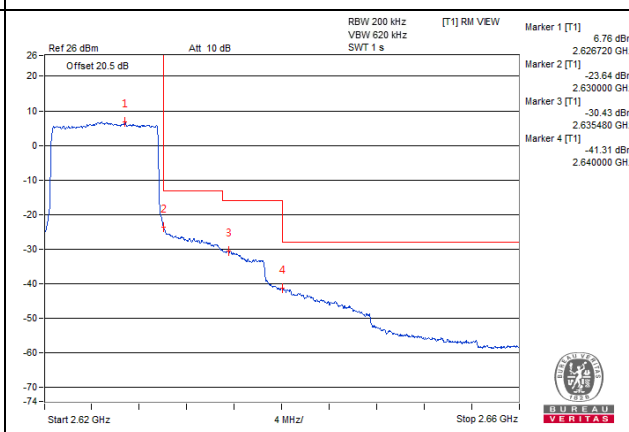
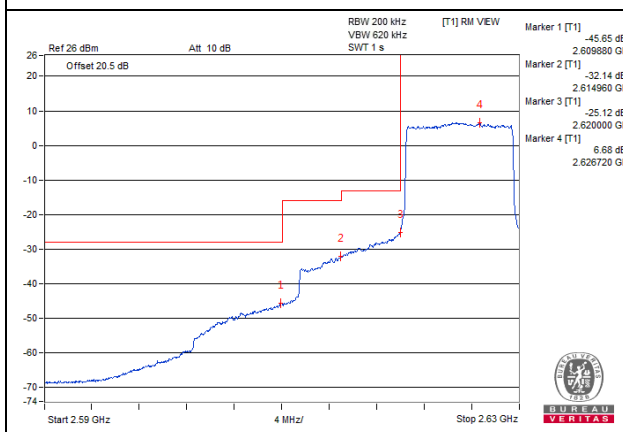
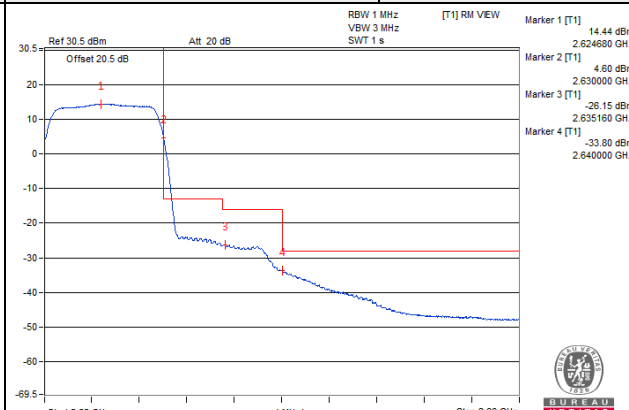
Channel 40940 (2625.0MHz)

50 RB / 0 RB Offset



Channel 40940 (2625.0MHz)

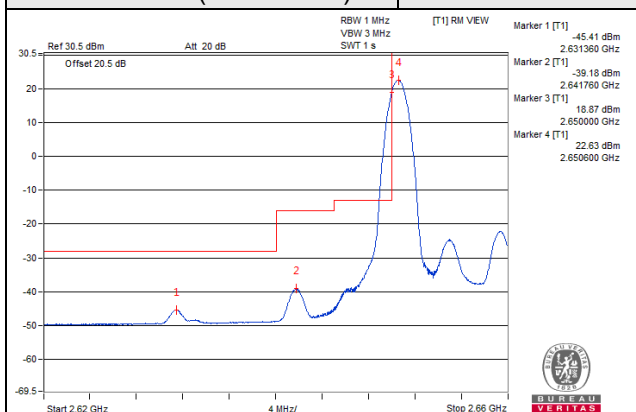
50 RB / 0 RB Offset



Channel Bandwidth: 10MHz

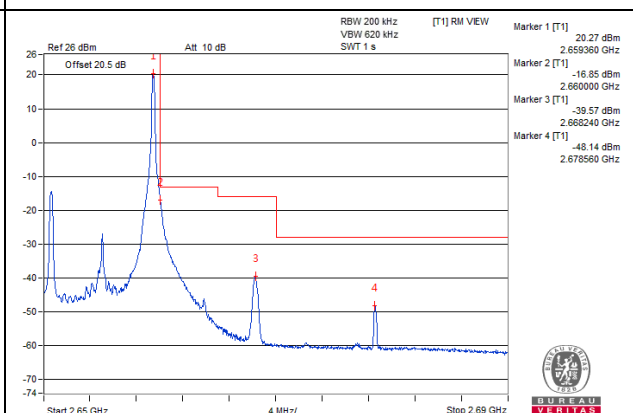
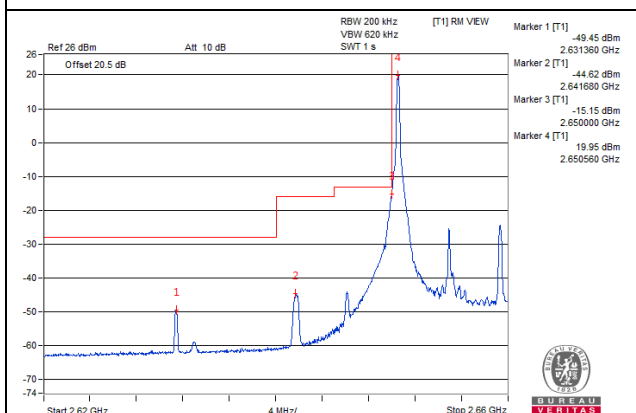
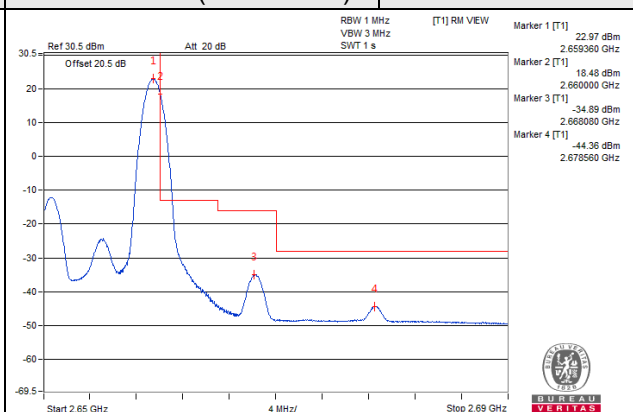
Channel 41240 (2655.0MHz)

1 RB / 0 RB Offset



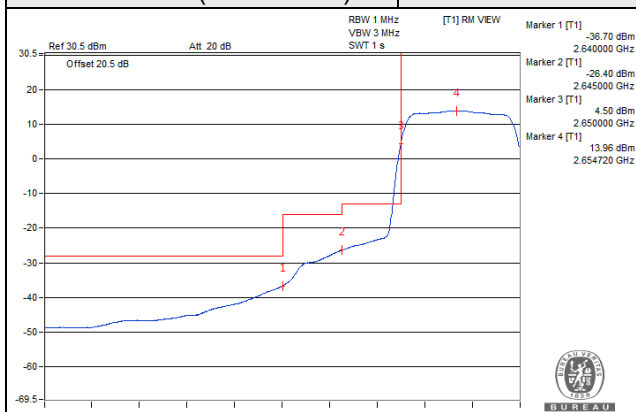
Channel 41240 (2655.0MHz)

1 RB / 49 RB Offset



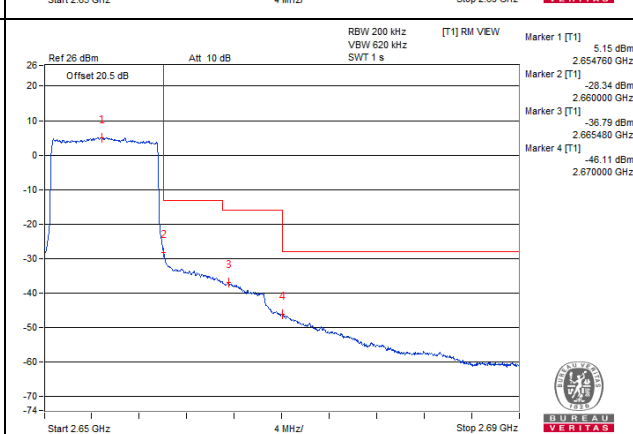
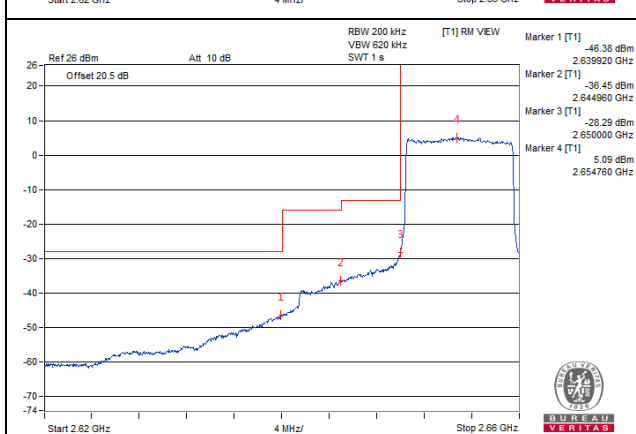
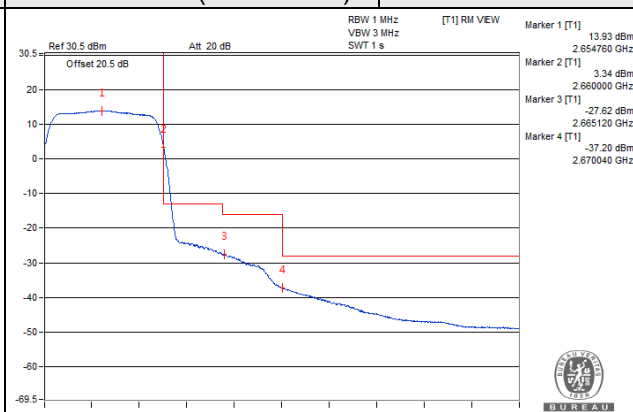
Channel 41240 (2655.0MHz)

50 RB / 0 RB Offset



Channel 41240 (2655.0MHz)

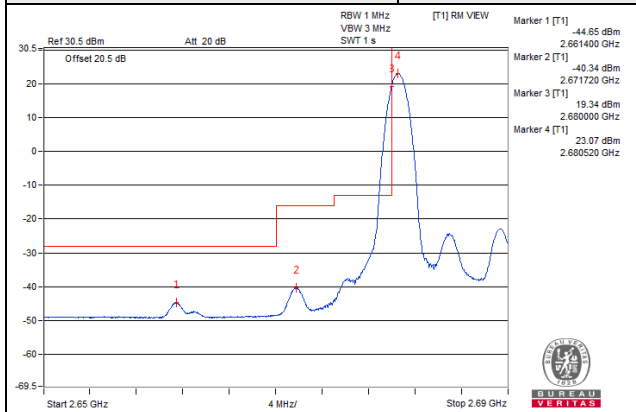
50 RB / 0 RB Offset



Channel Bandwidth: 10MHz

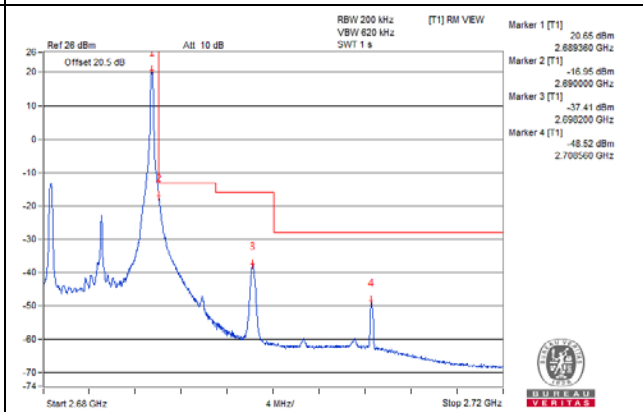
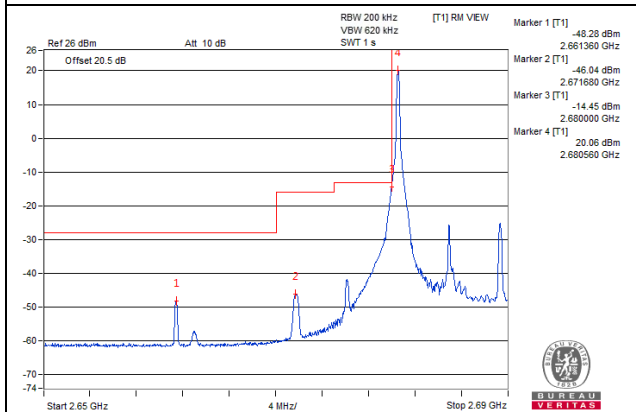
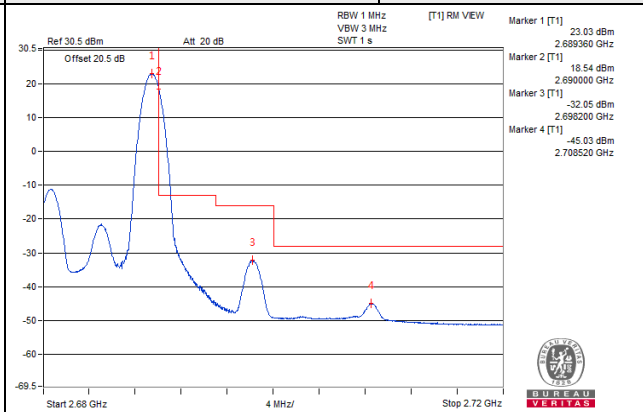
Channel 41540 (2685.0MHz)

1 RB / 0 RB Offset



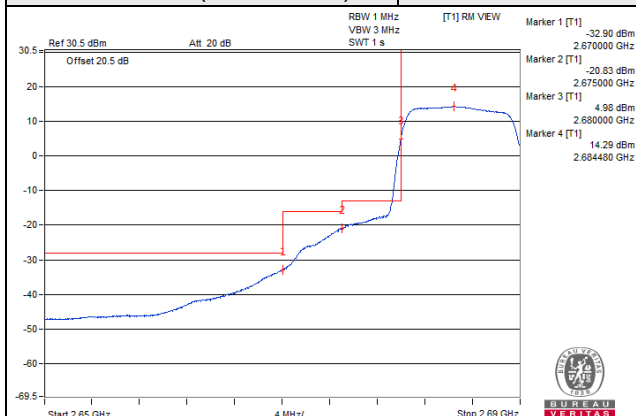
Channel 41540 (2685.0MHz)

1 RB / 49 RB Offset



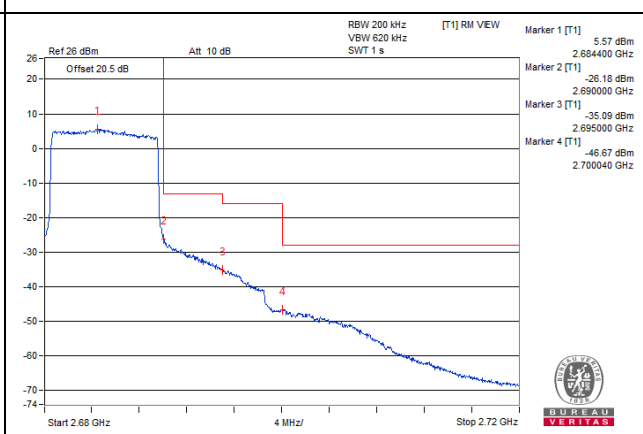
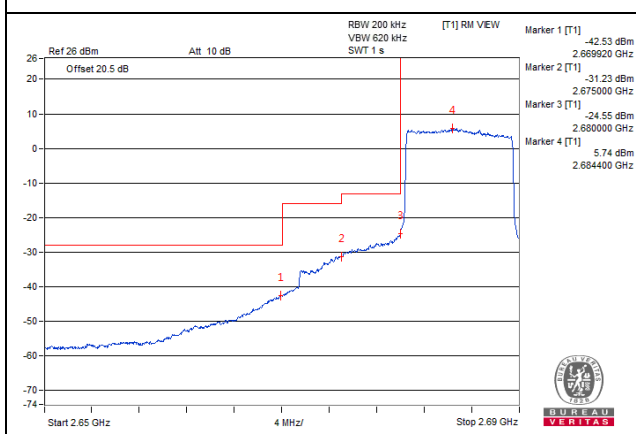
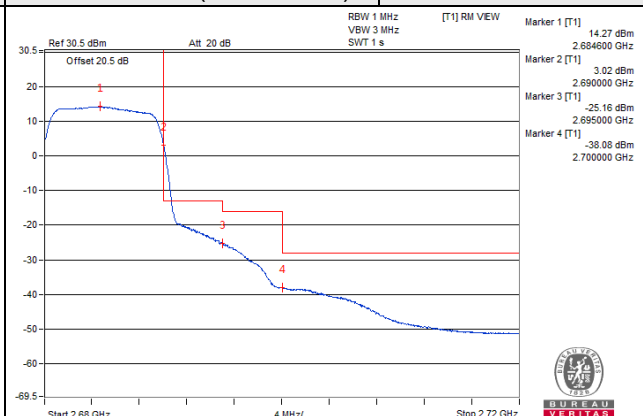
Channel 41540 (2685.0MHz)

50 RB / 0 RB Offset



Channel 41540 (2685.0MHz)

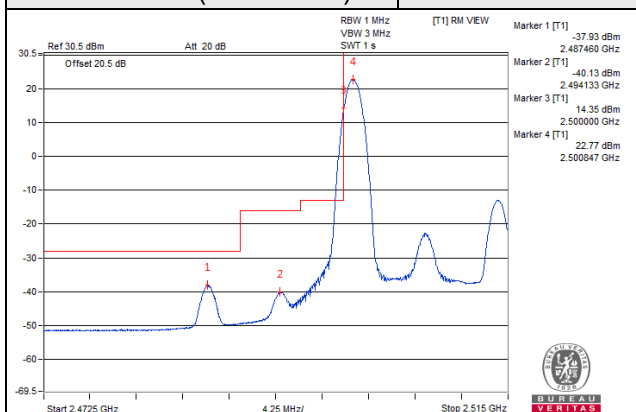
50 RB / 0 RB Offset



Channel Bandwidth: 15MHz

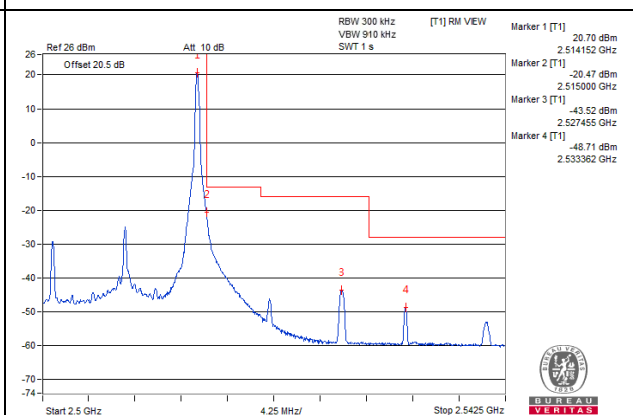
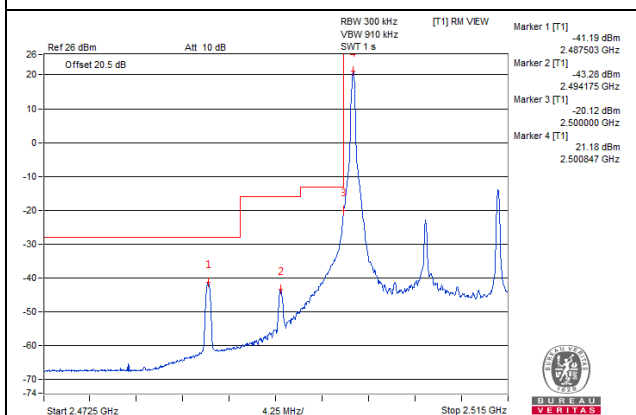
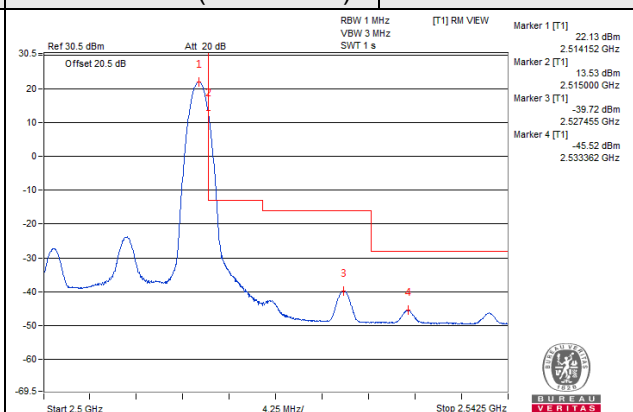
Channel 39765 (2507.5MHz)

1 RB / 0 RB Offset



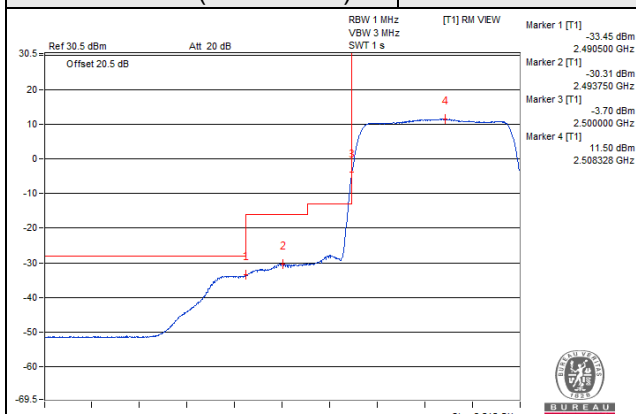
Channel 39765 (2507.5MHz)

1 RB / 74 RB Offset



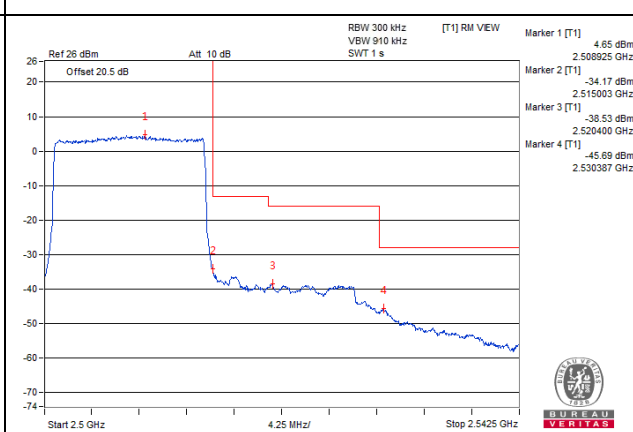
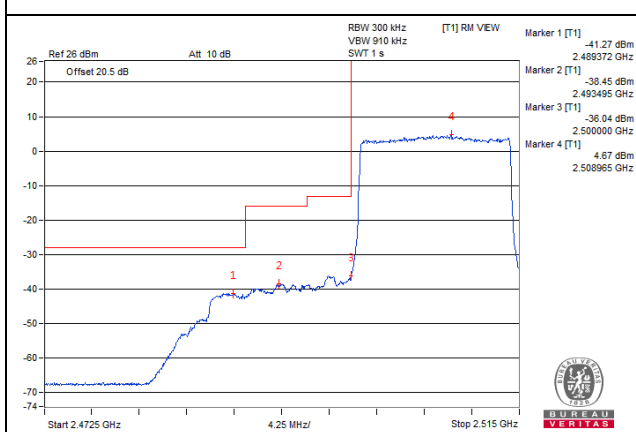
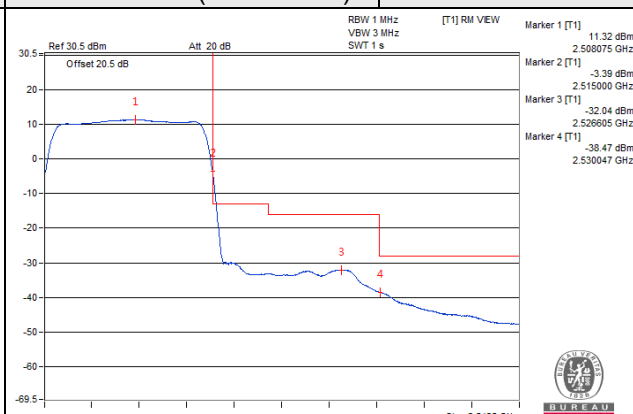
Channel 39765 (2507.5MHz)

75 RB / 0 RB Offset



Channel 39765 (2507.5MHz)

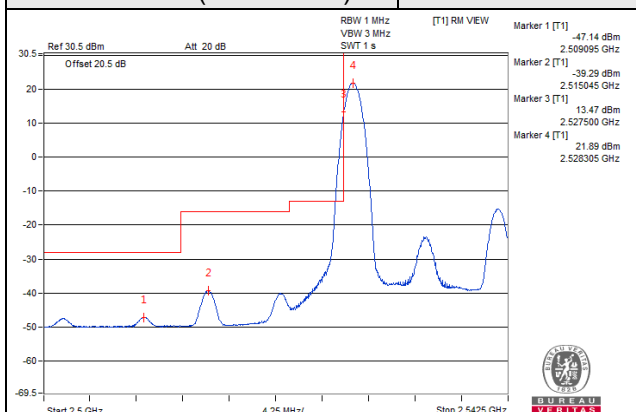
75 RB / 0 RB Offset



Channel Bandwidth: 15MHz

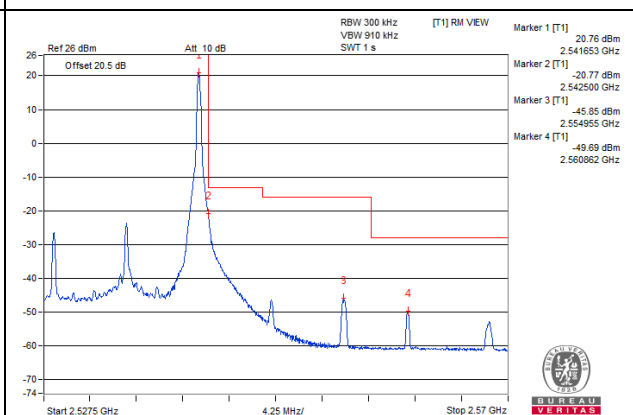
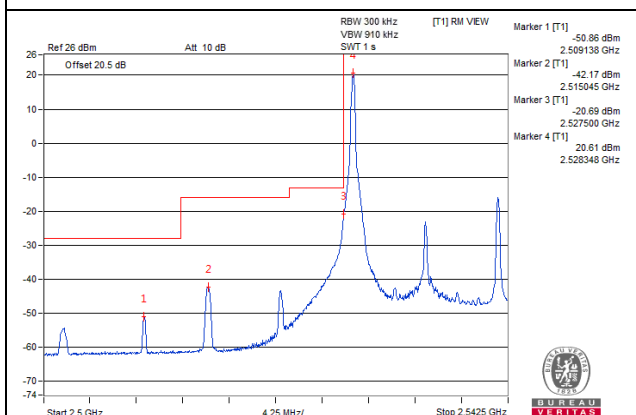
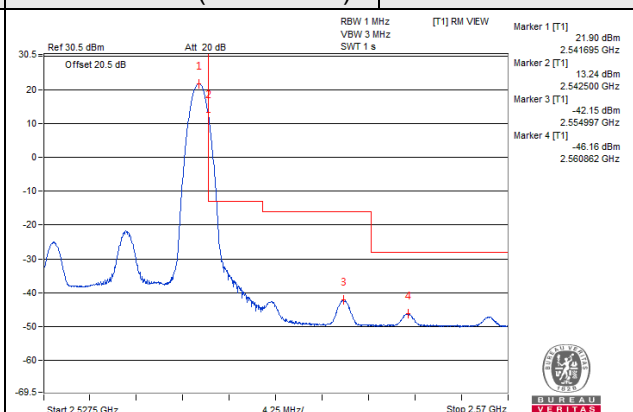
Channel 40040 (2535.0MHz)

1 RB / 0 RB Offset



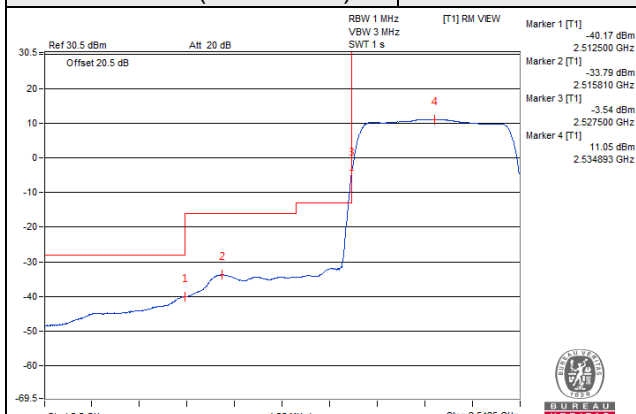
Channel 40040 (2535.0MHz)

1 RB / 74 RB Offset



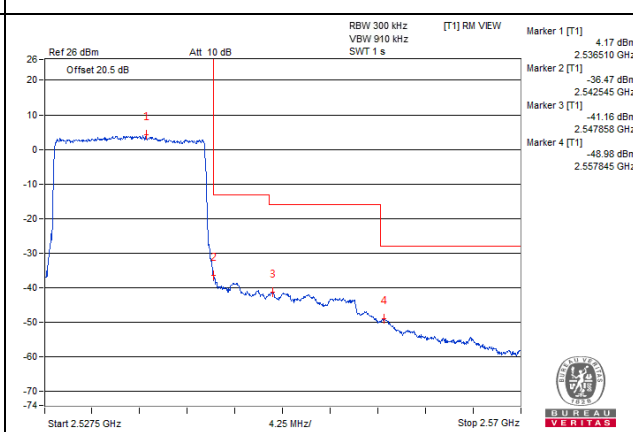
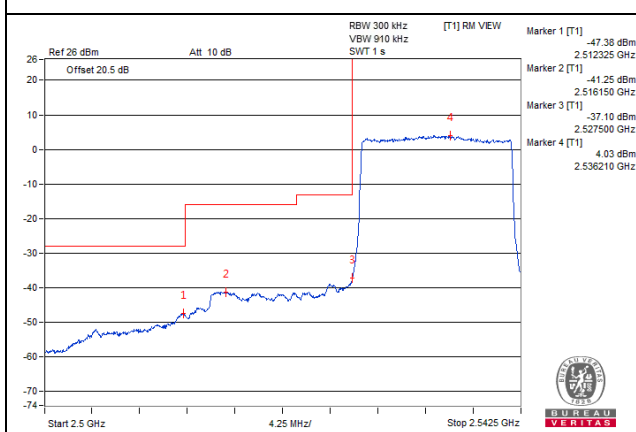
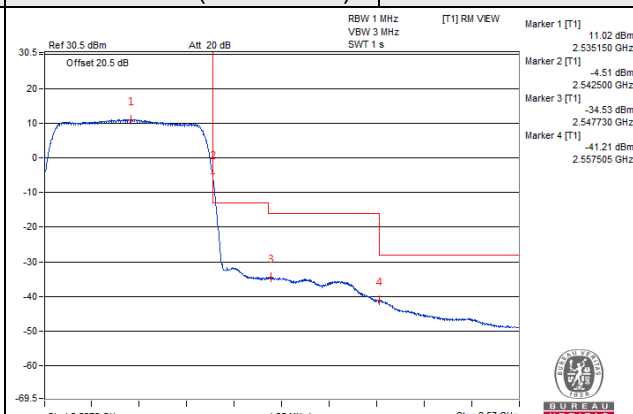
Channel 40040 (2535.0MHz)

75 RB / 0 RB Offset



Channel 40040 (2535.0MHz)

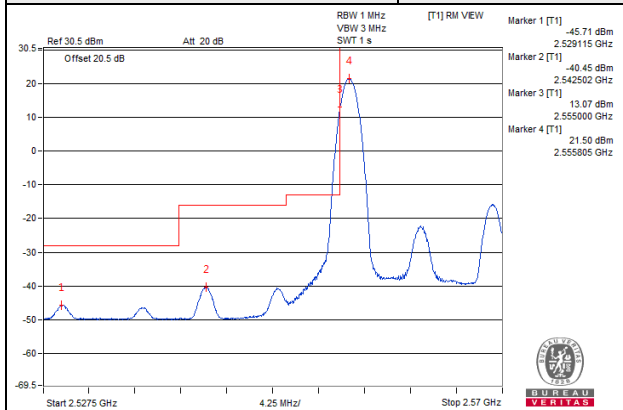
75 RB / 0 RB Offset



Channel Bandwidth: 15MHz

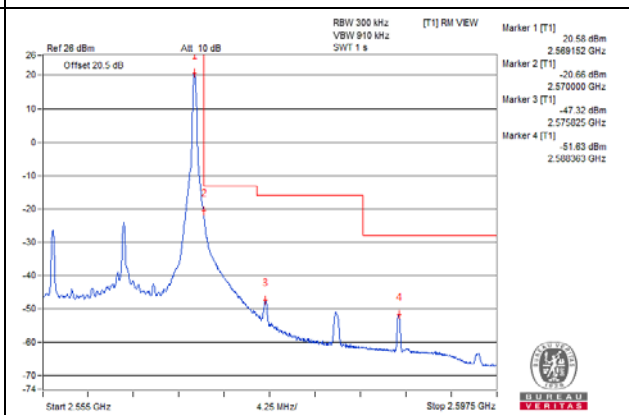
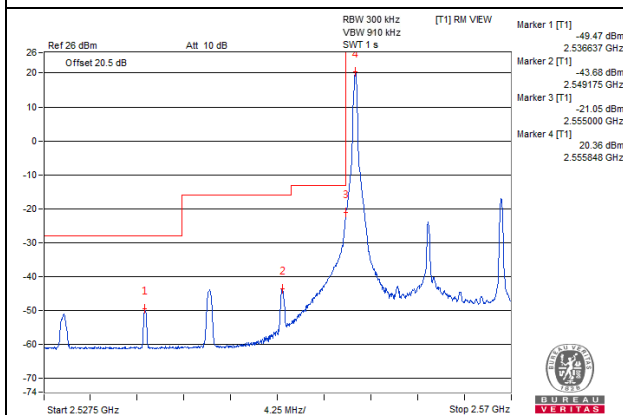
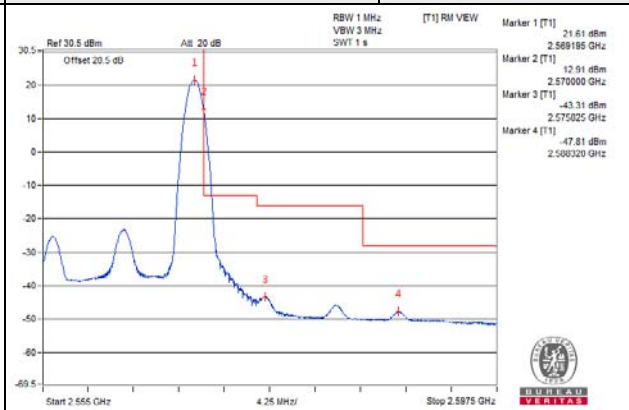
Channel 40315 (2562.5MHz)

1 RB / 0 RB Offset



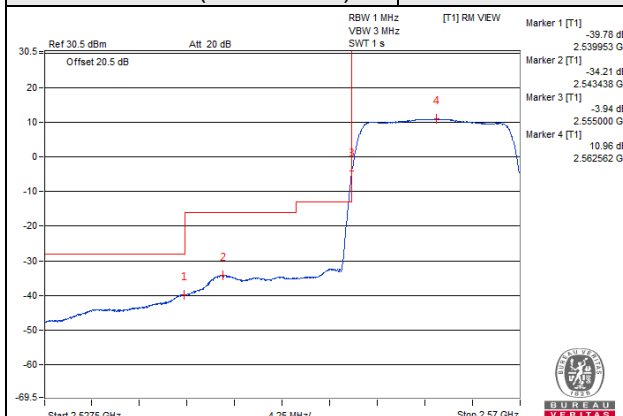
Channel 40315 (2562.5MHz)

1 RB / 74 RB Offset



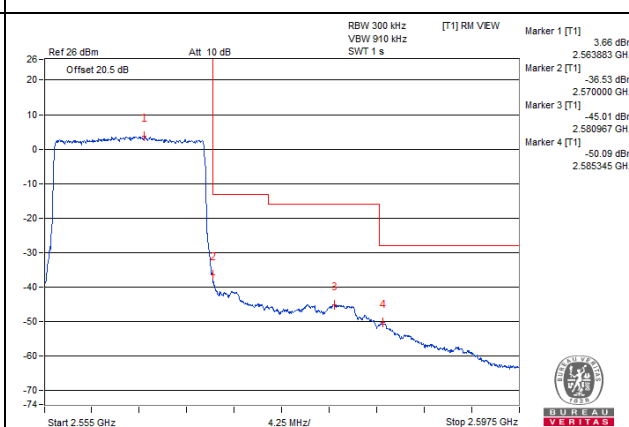
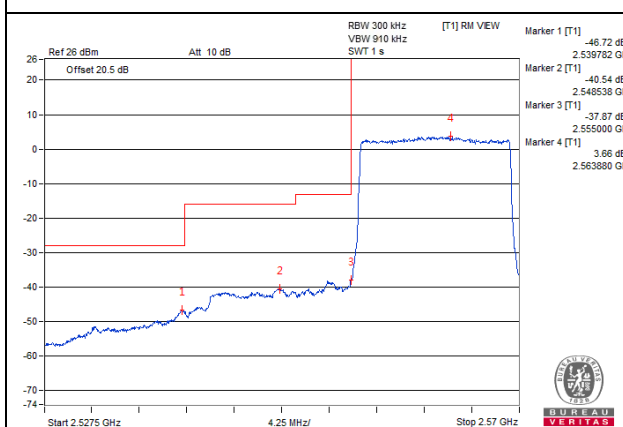
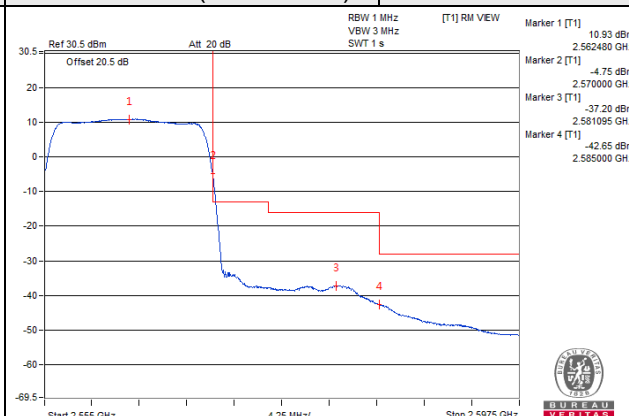
Channel 40315 (2562.5MHz)

75 RB / 0 RB Offset



Channel 40315 (2562.5MHz)

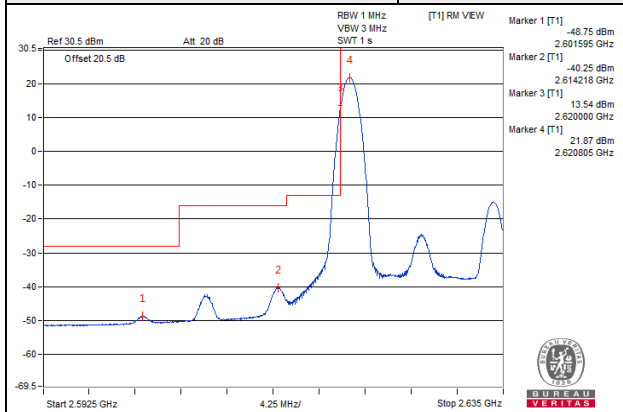
75 RB / 0 RB Offset



Channel Bandwidth: 15MHz

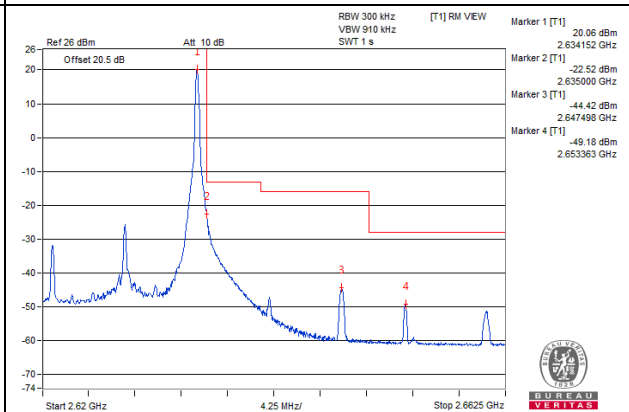
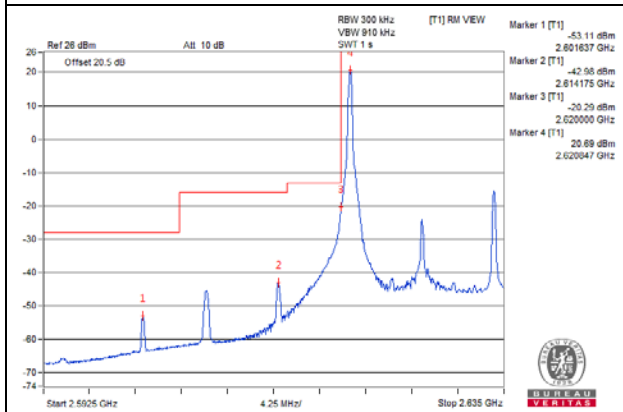
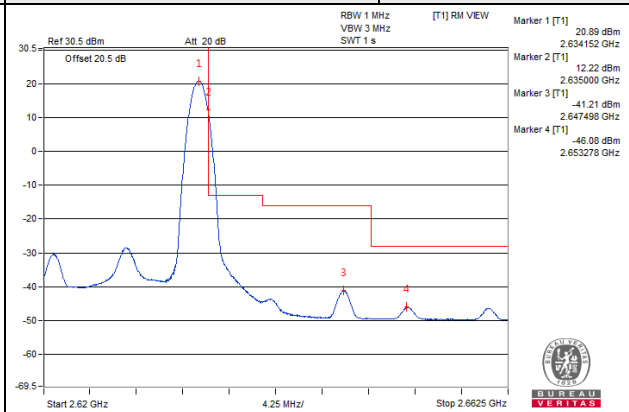
Channel 40965 (2627.5MHz)

1 RB / 0 RB Offset



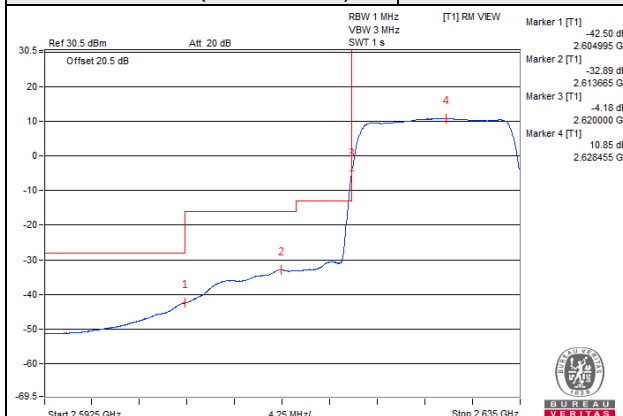
Channel 40965 (2627.5MHz)

1 RB / 74 RB Offset



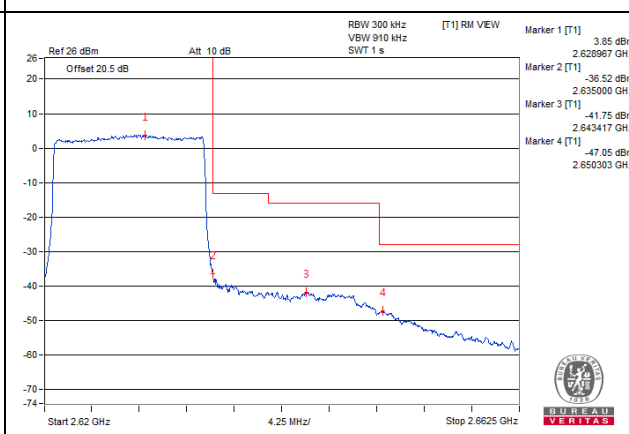
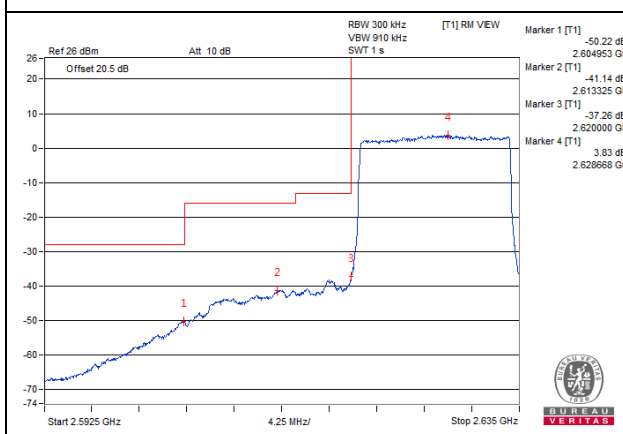
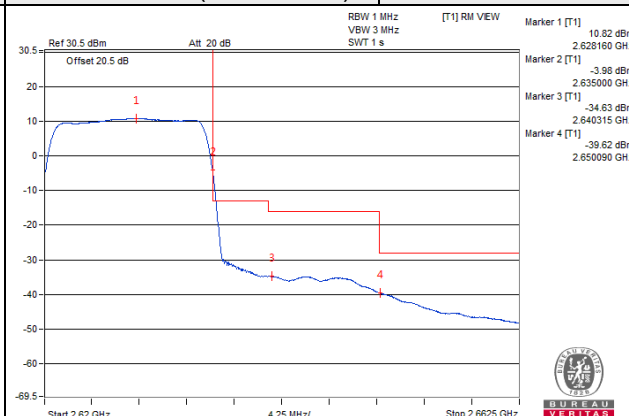
Channel 40965 (2627.5MHz)

75 RB / 0 RB Offset



Channel 40965 (2627.5MHz)

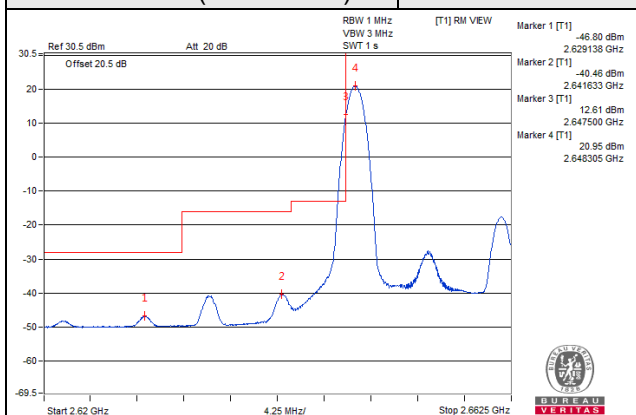
75 RB / 0 RB Offset



Channel Bandwidth: 15MHz

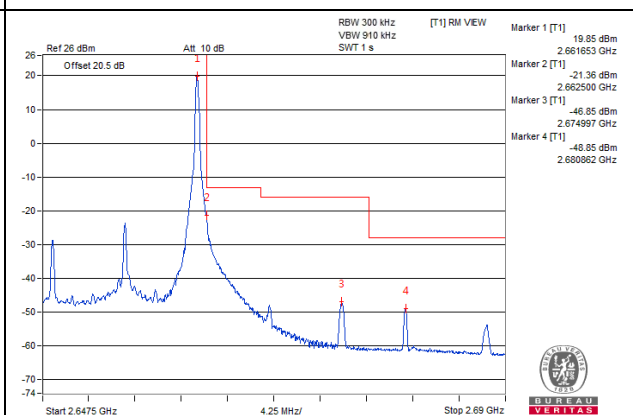
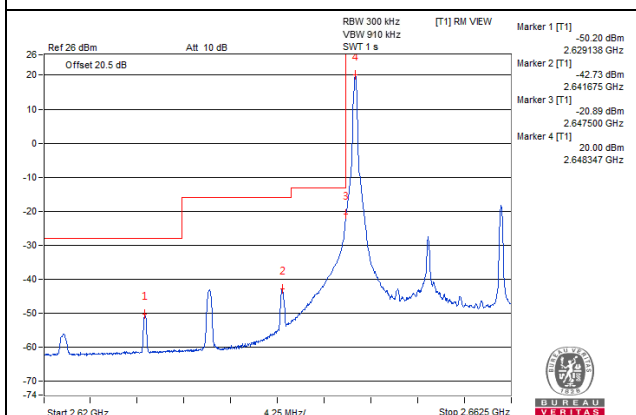
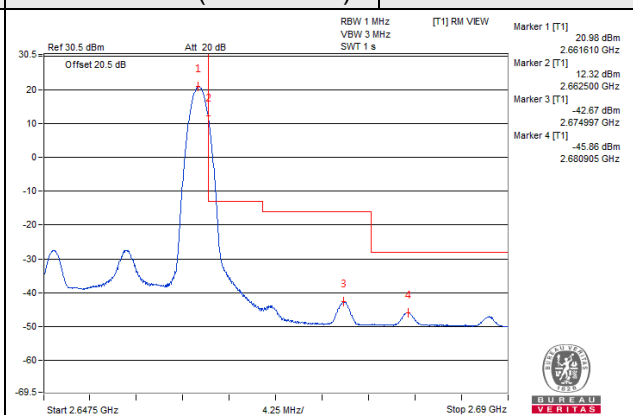
Channel 41240 (2655.0MHz)

1 RB / 0 RB Offset



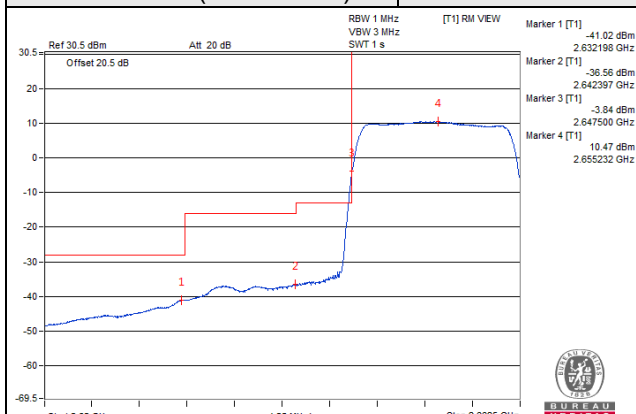
Channel 41240 (2655.0MHz)

1 RB / 74 RB Offset



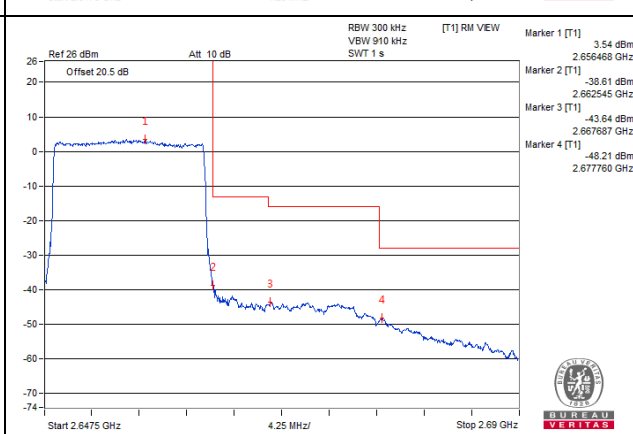
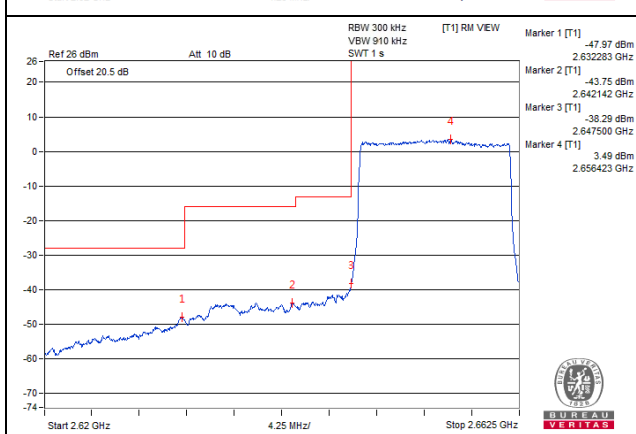
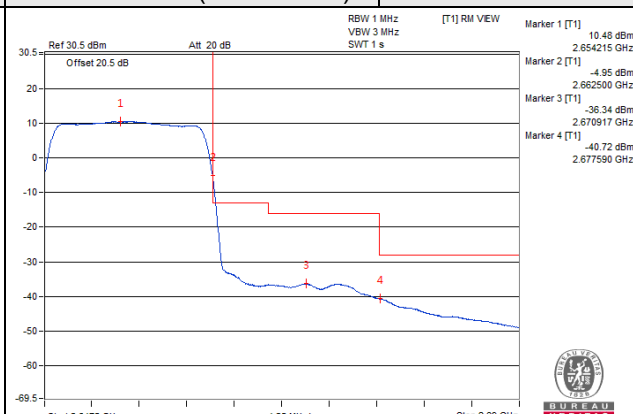
Channel 41240 (2655.0MHz)

75 RB / 0 RB Offset



Channel 41240 (2655.0MHz)

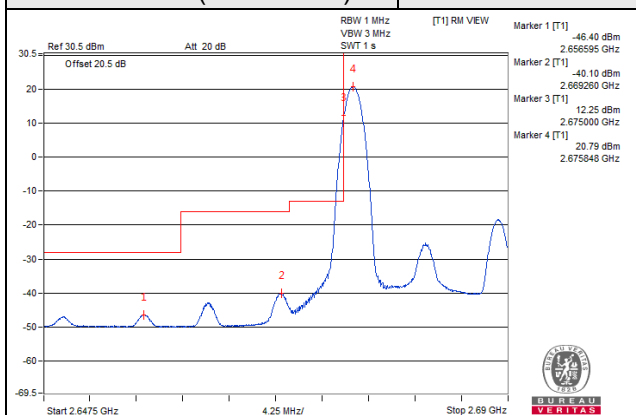
75 RB / 0 RB Offset



Channel Bandwidth: 15MHz

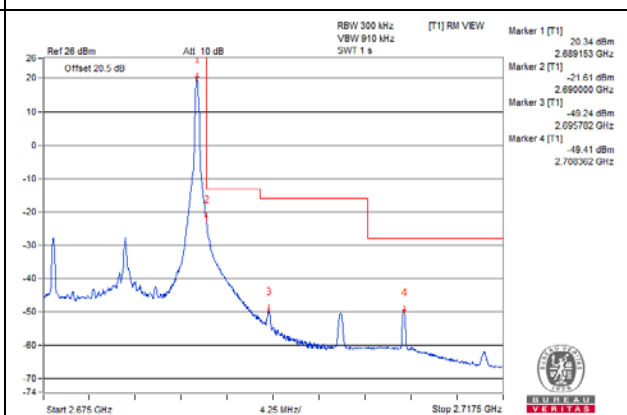
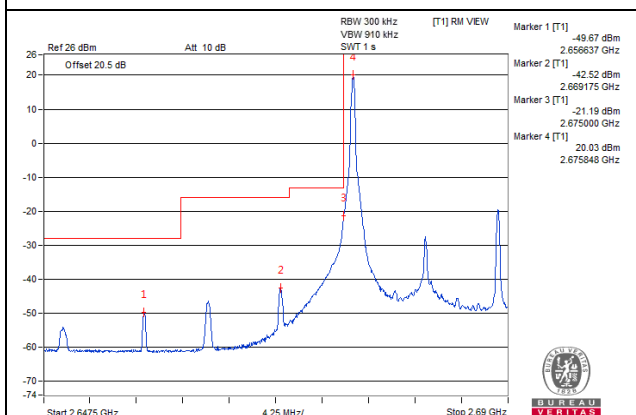
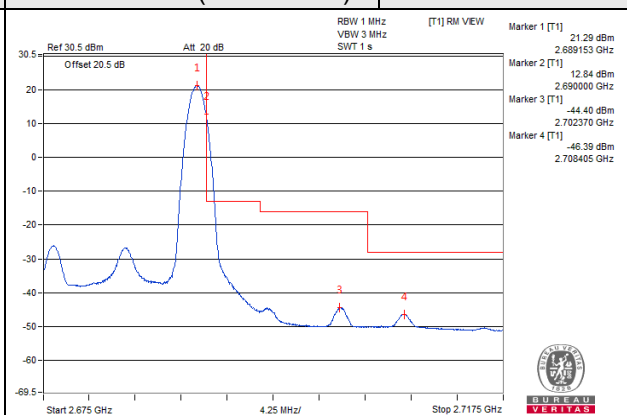
Channel 41515 (2682.5MHz)

1 RB / 0 RB Offset



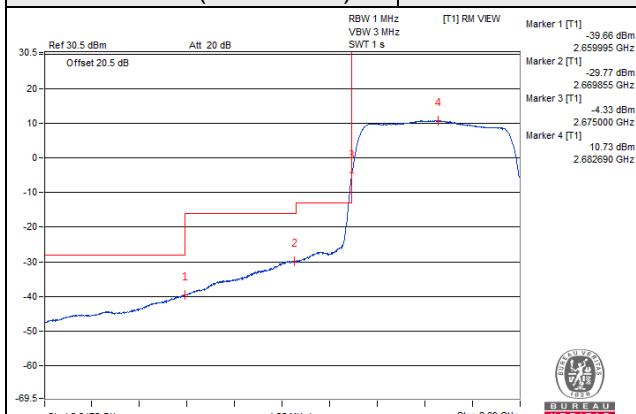
Channel 41515 (2682.5MHz)

1 RB / 74 RB Offset



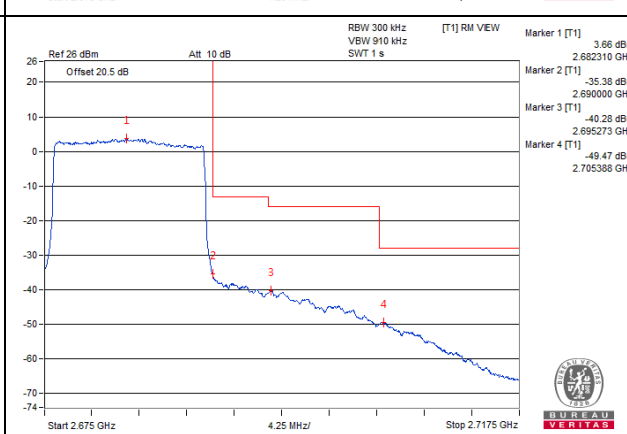
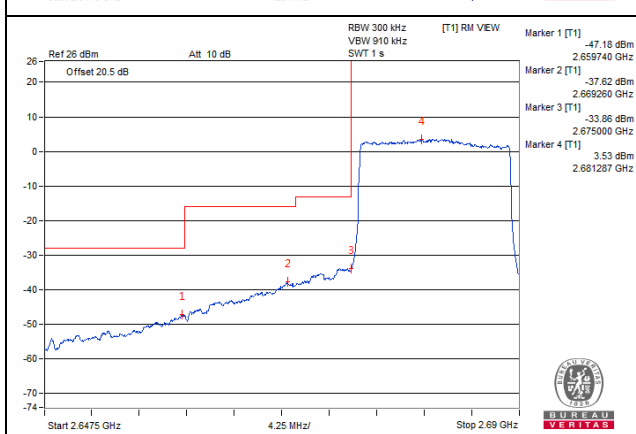
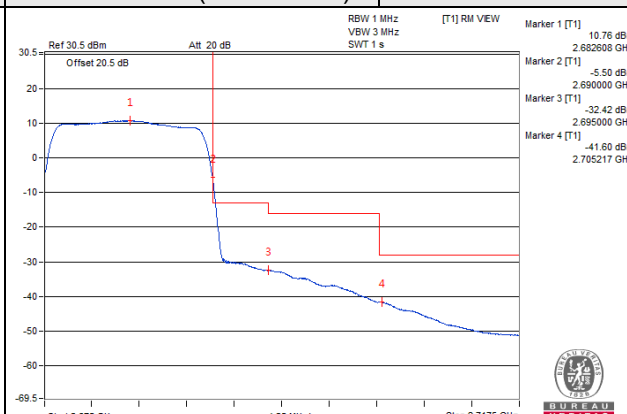
Channel 41515 (2682.5MHz)

75 RB / 0 RB Offset



Channel 41515 (2682.5MHz)

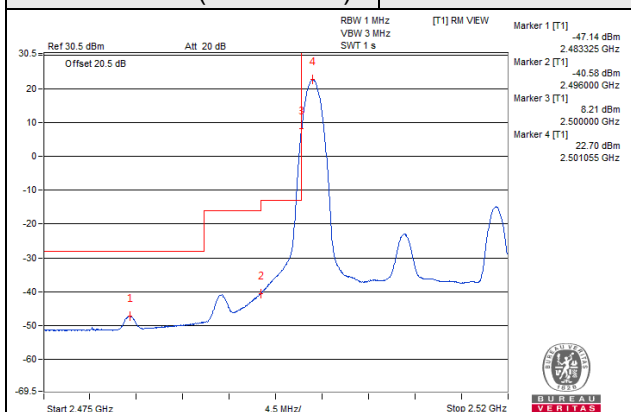
75 RB / 0 RB Offset



Channel Bandwidth: 20MHz

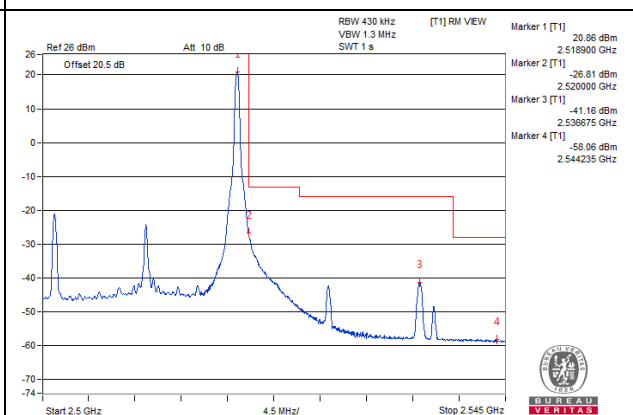
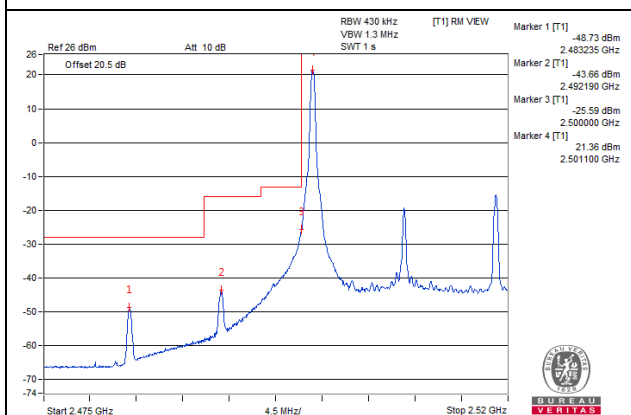
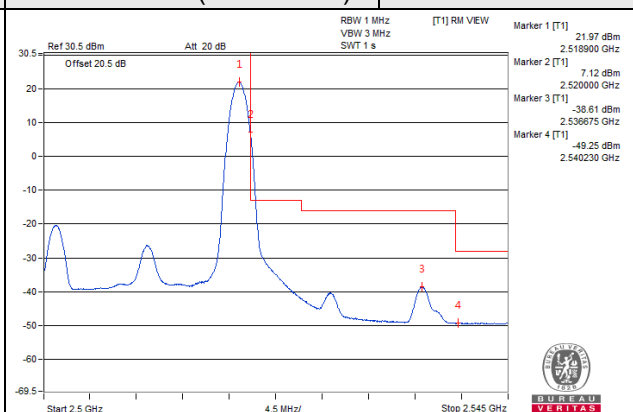
Channel 39790 (2510.0MHz)

1 RB / 0 RB Offset



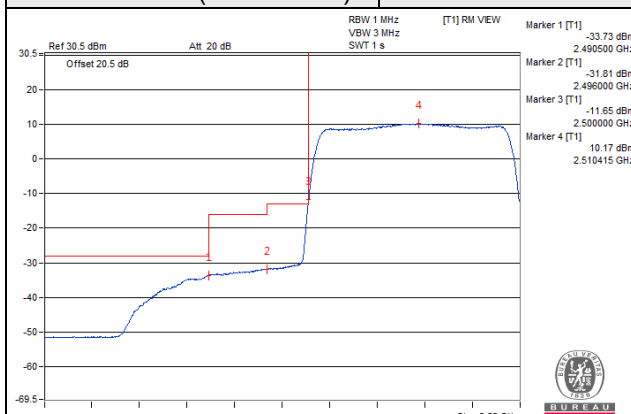
Channel 39790 (2510.0MHz)

1 RB / 99 RB Offset



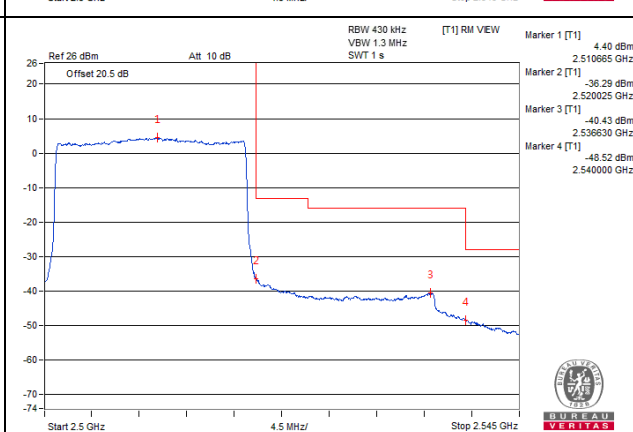
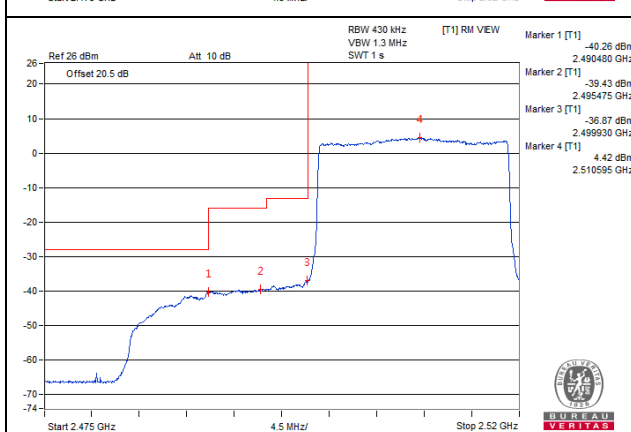
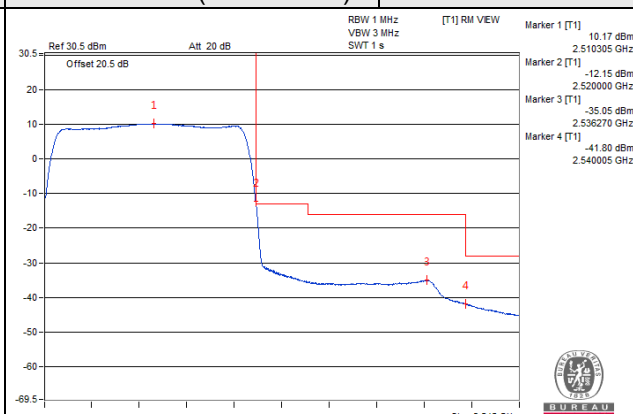
Channel 39790 (2510.0MHz)

100 RB / 0 RB Offset



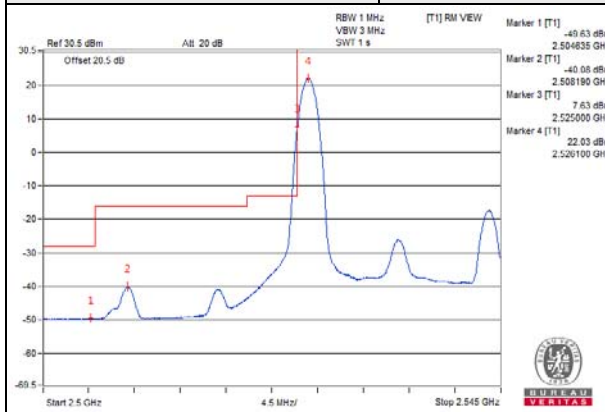
Channel 39790 (2510.0MHz)

100 RB / 0 RB Offset

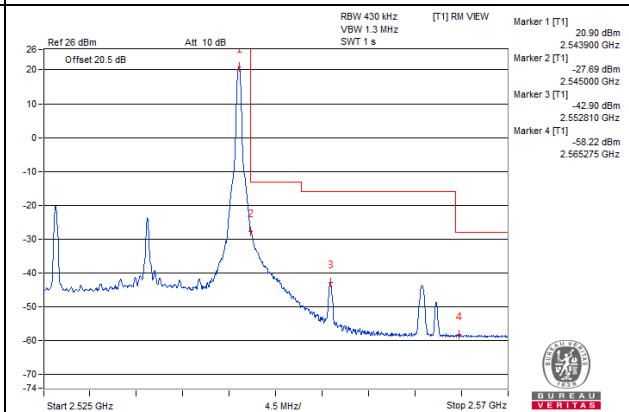
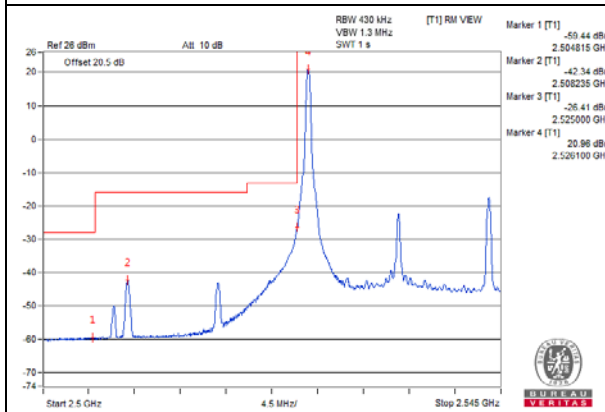
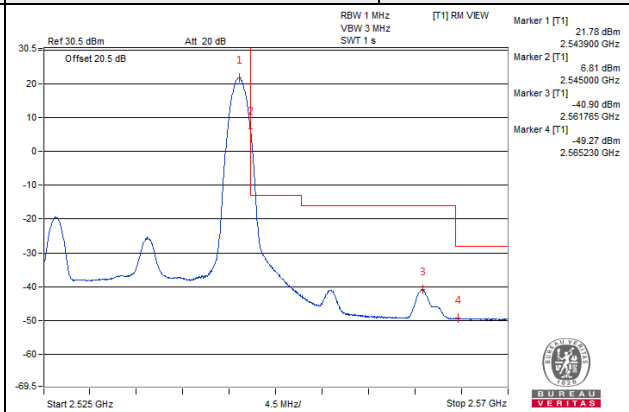


Channel Bandwidth: 20MHz

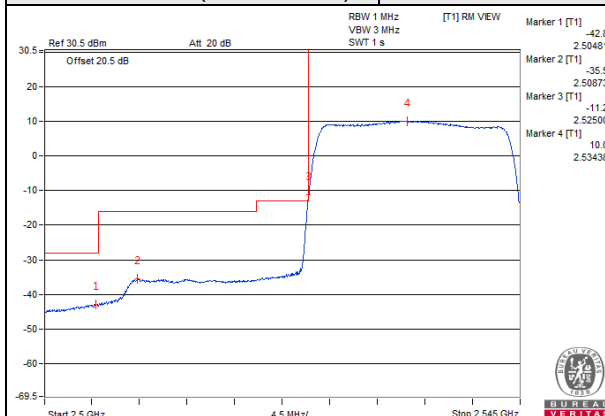
Channel 40040 (2535.0MHz) 1 RB / 0 RB Offset



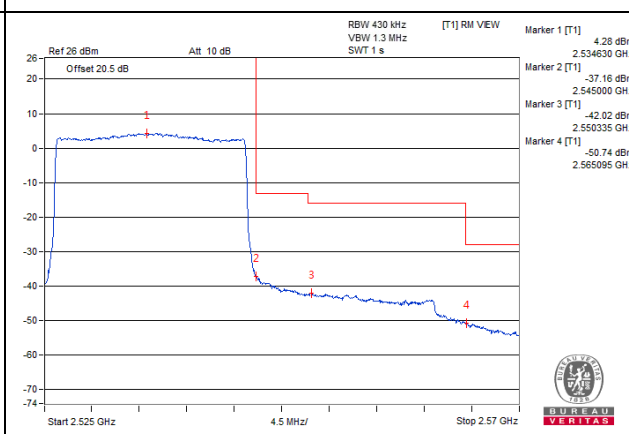
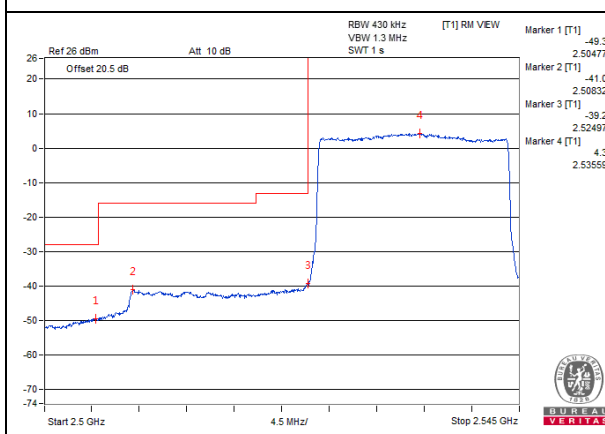
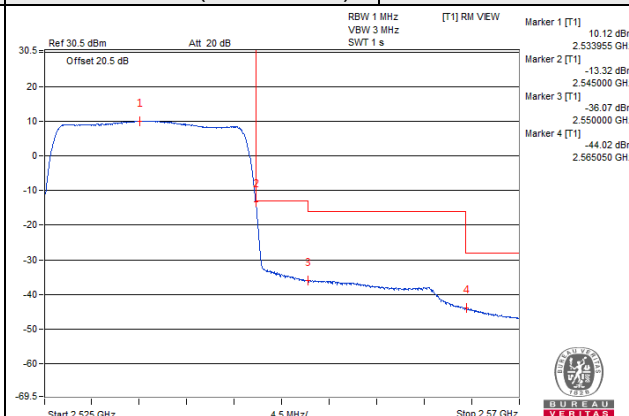
Channel 40040 (2535.0MHz) 1 RB / 99 RB Offset



Channel 40040 (2535.0MHz) 100 RB / 0 RB Offset

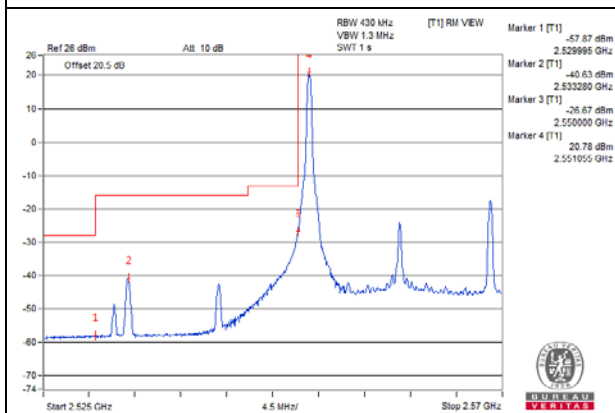
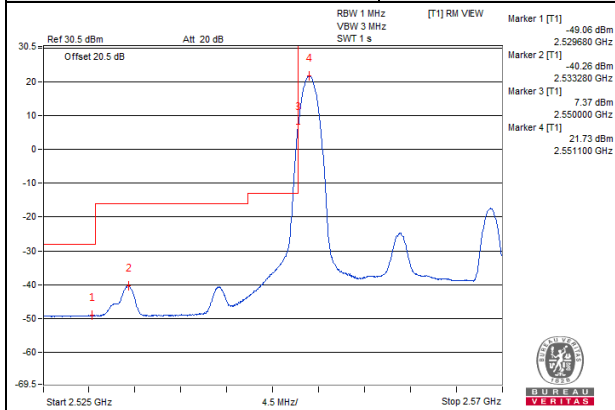


Channel 40040 (2535.0MHz) 100 RB / 0 RB Offset

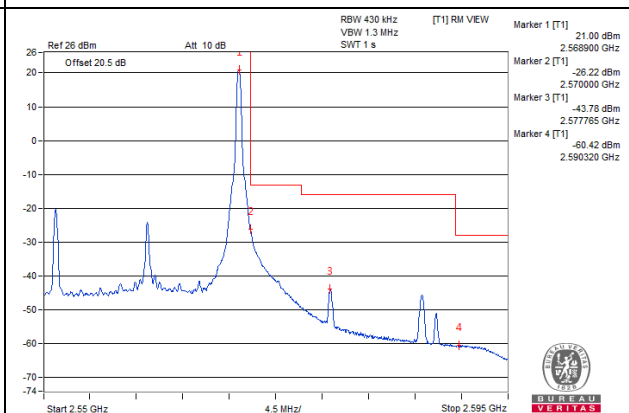
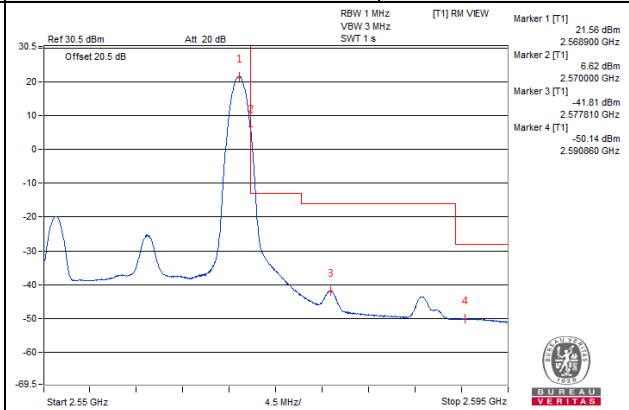


Channel Bandwidth: 20MHz

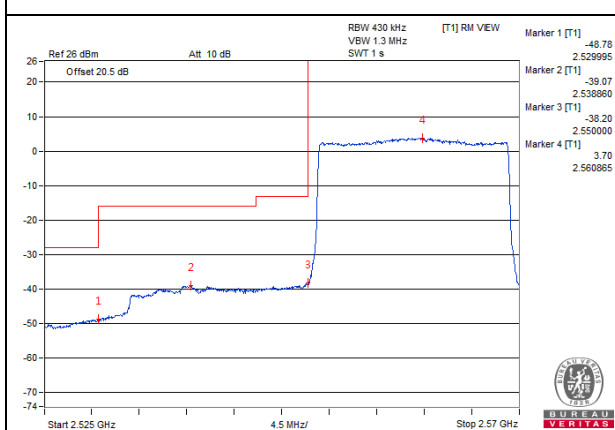
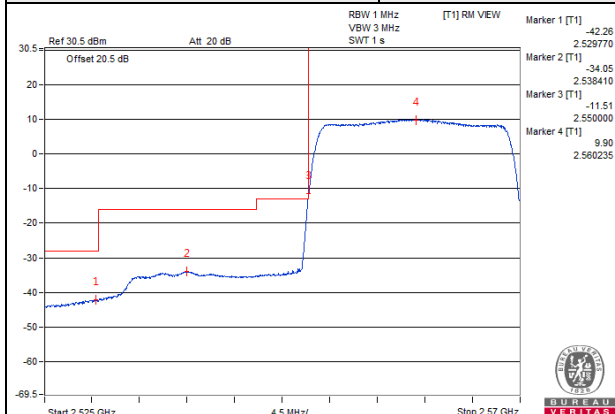
Channel 40290 (2560.0MHz) 1 RB / 0 RB Offset



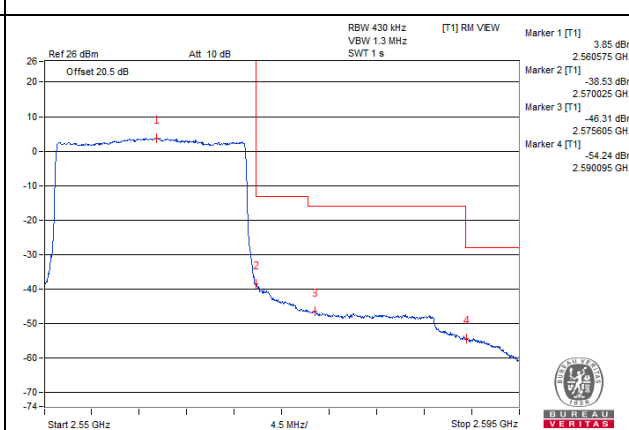
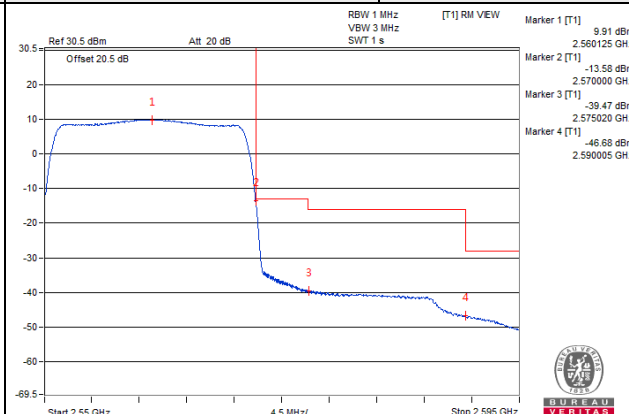
Channel 40290 (2560.0MHz) 1 RB / 99 RB Offset



Channel 40290 (2560.0MHz) 100 RB / 0 RB Offset

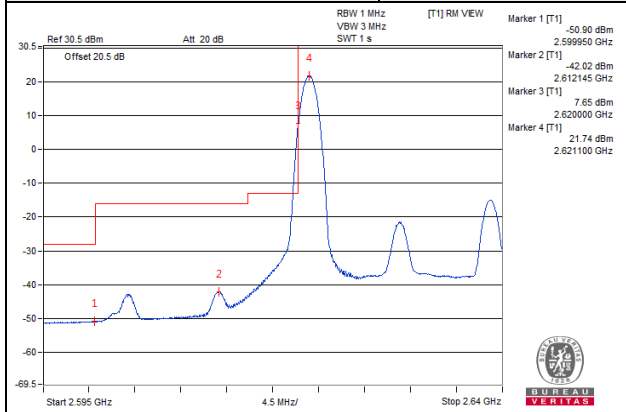


Channel 40290 (2560.0MHz) 100 RB / 0 RB Offset

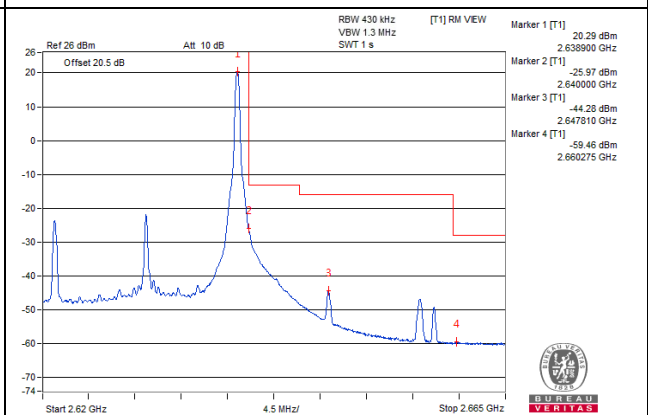
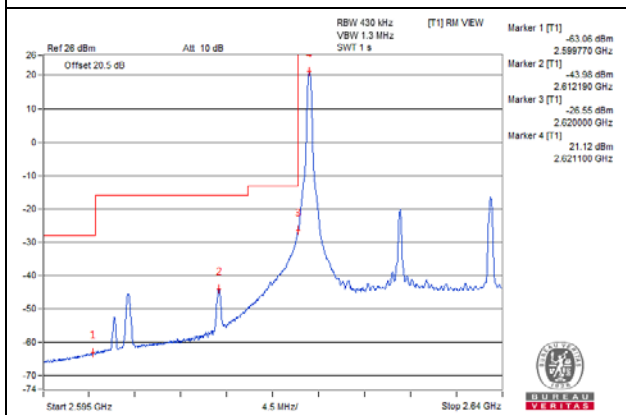
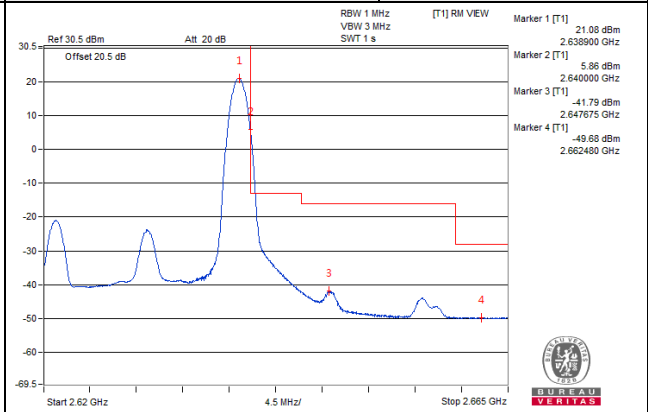


Channel Bandwidth: 20MHz

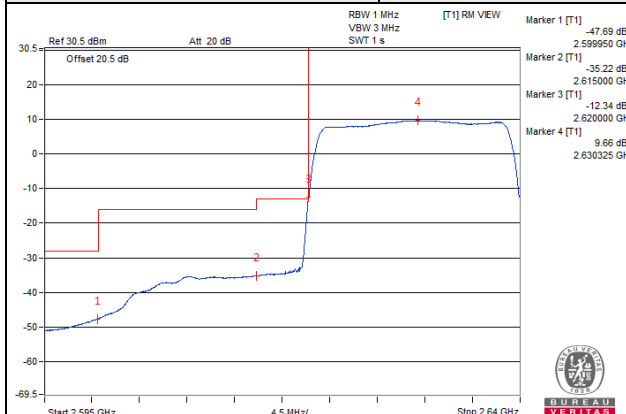
Channel 40990 (2630.0MHz) 1 RB / 0 RB Offset



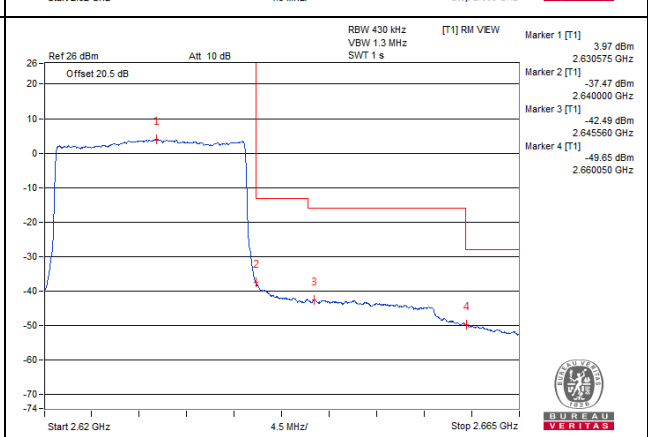
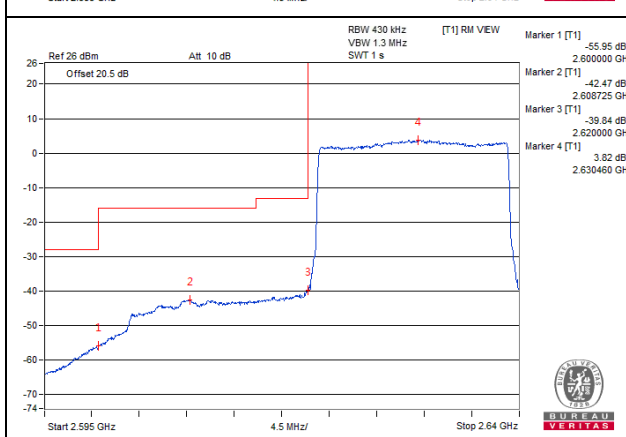
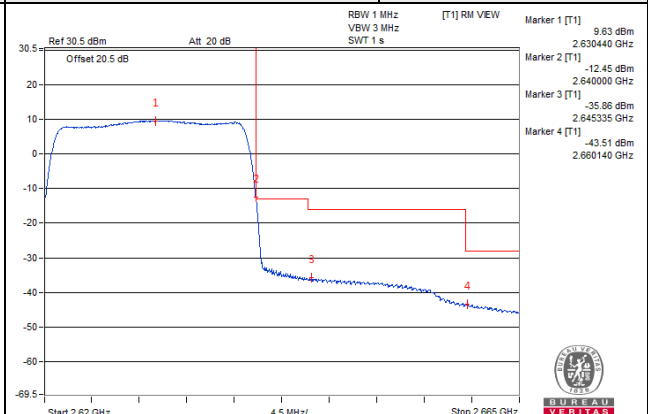
Channel 40990 (2630.0MHz) 1 RB / 99 RB Offset



Channel 40990 (2630.0MHz) 100 RB / 0 RB Offset



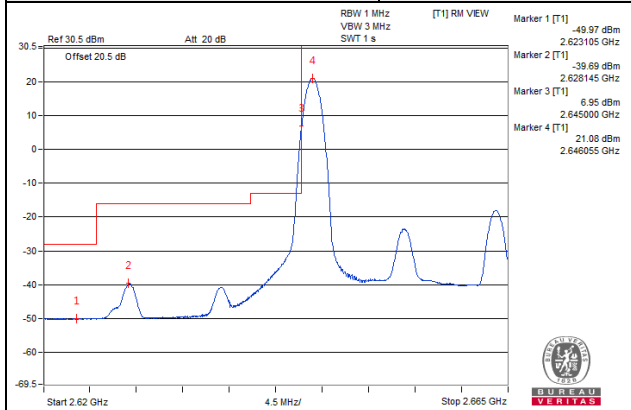
Channel 40990 (2630.0MHz) 100 RB / 99 RB Offset



Channel Bandwidth: 20MHz

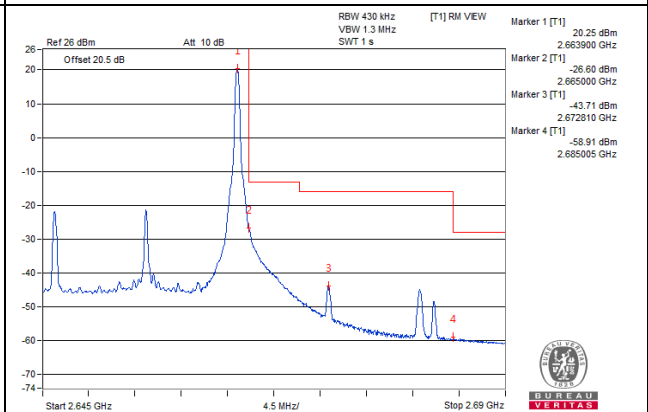
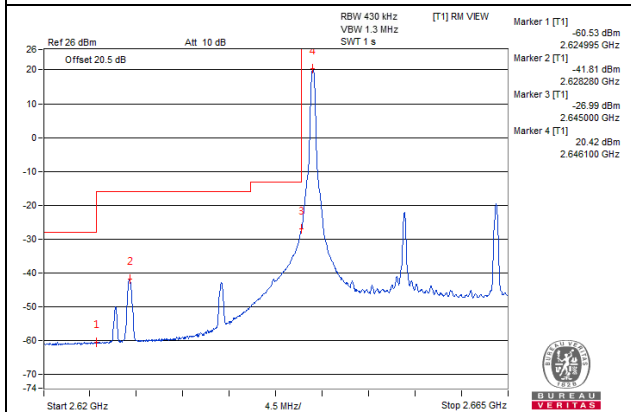
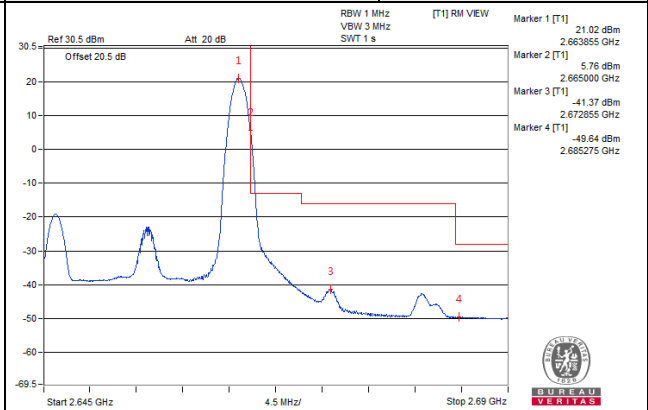
Channel 41240 (2655.0MHz)

1 RB / 0 RB Offset



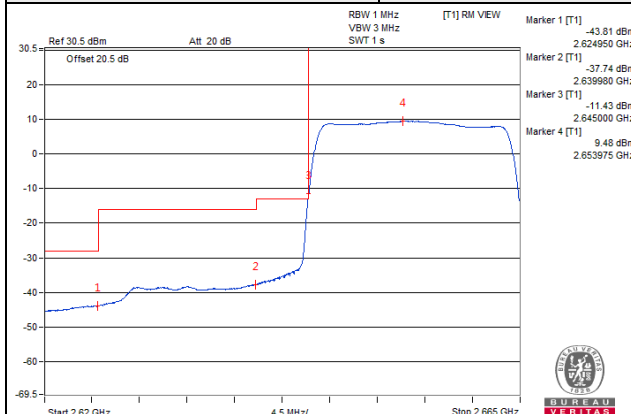
Channel 41240 (2655.0MHz)

1 RB / 99 RB Offset



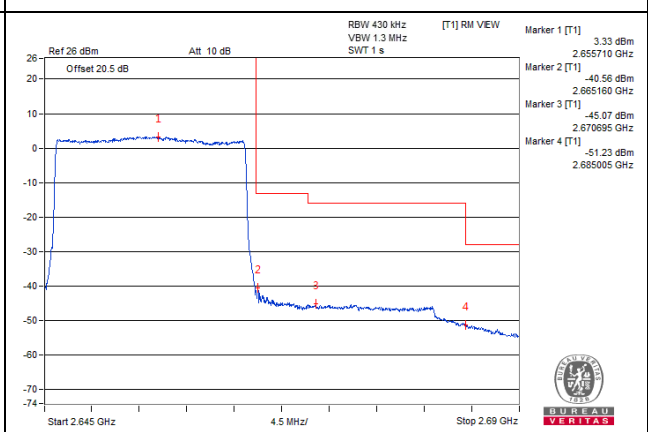
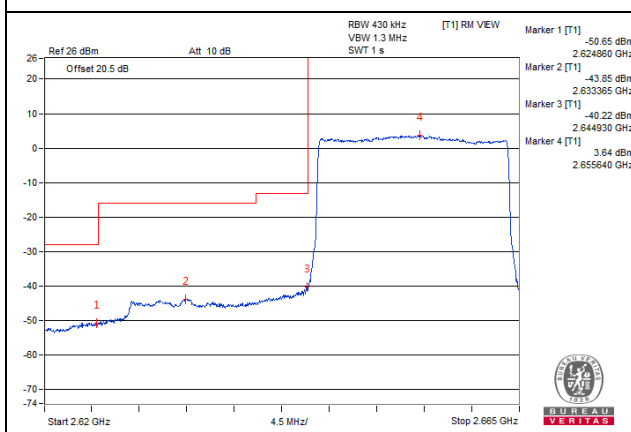
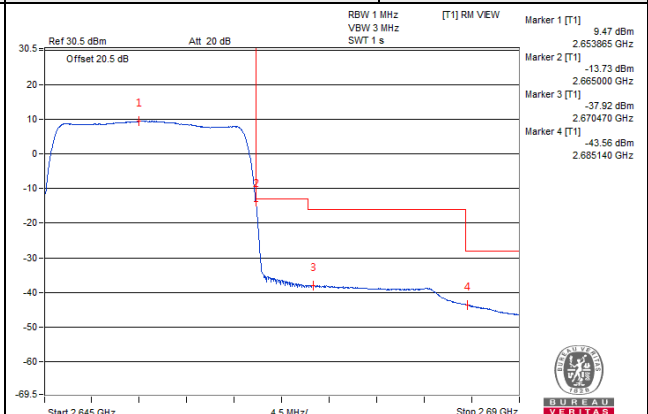
Channel 41240 (2655.0MHz)

100 RB / 0 RB Offset



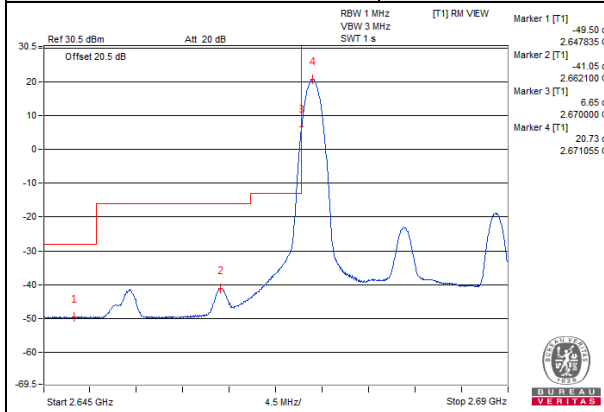
Channel 41240 (2655.0MHz)

100 RB / 0 RB Offset

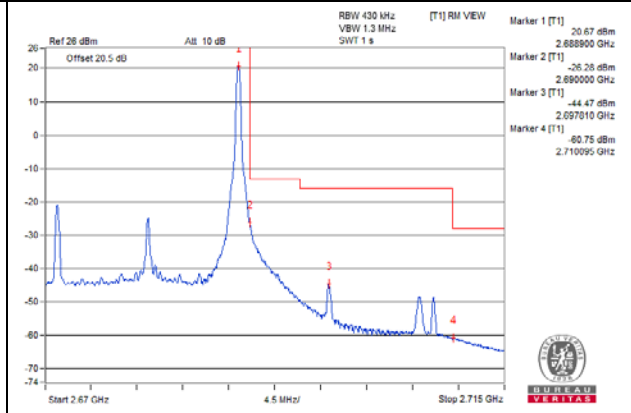
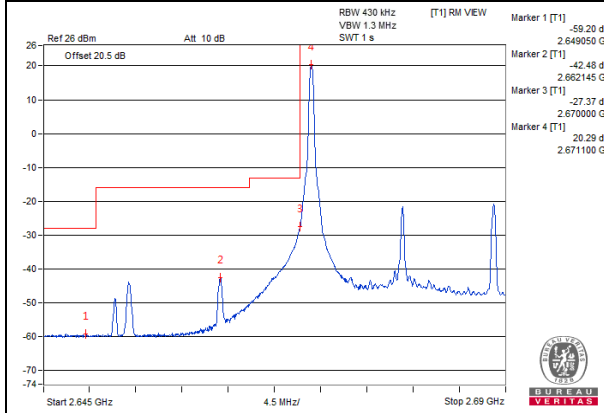
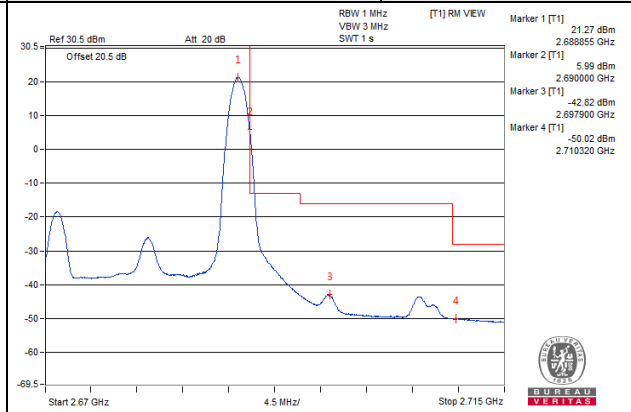


Channel Bandwidth: 20MHz

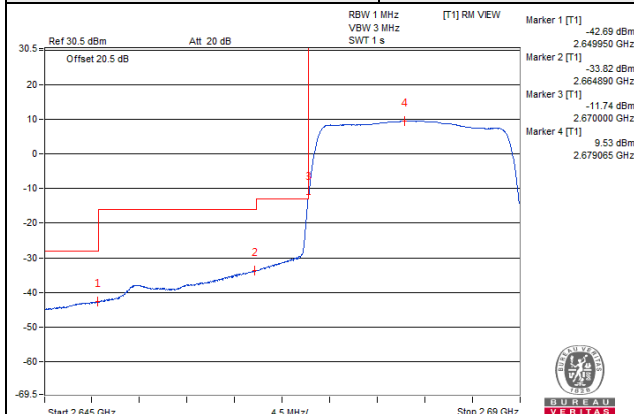
Channel 41490 (2680.0MHz) 1 RB / 0 RB Offset



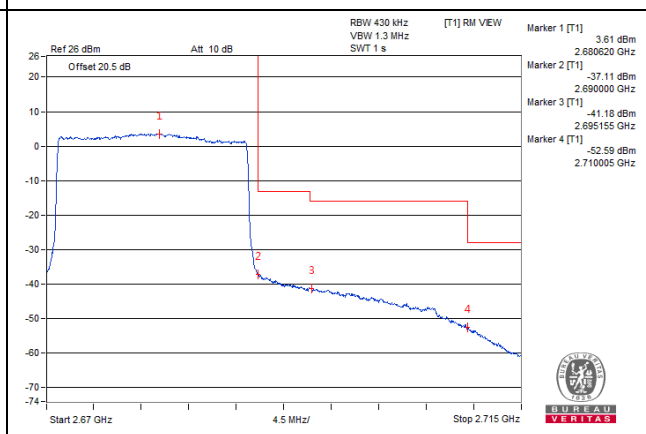
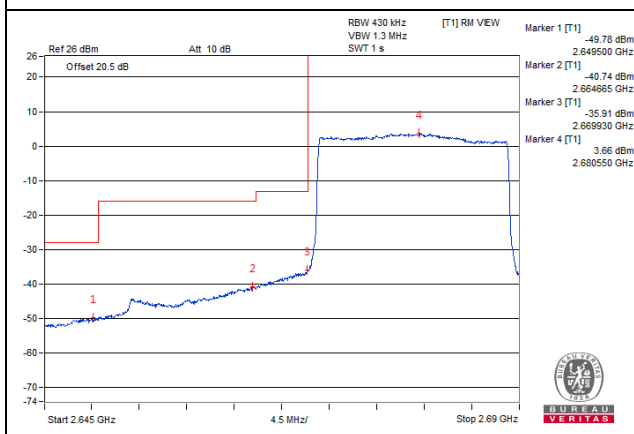
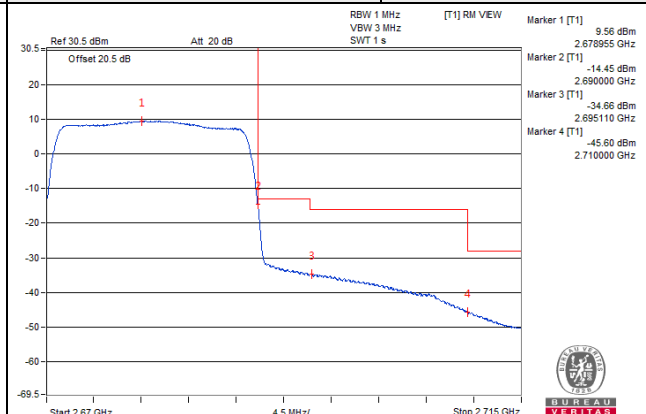
Channel 41490 (2680.0MHz) 1 RB / 99 RB Offset



Channel 41490 (2680.0MHz) 100 RB / 0 RB Offset



Channel 41490 (2680.0MHz) 100 RB / 99 RB Offset

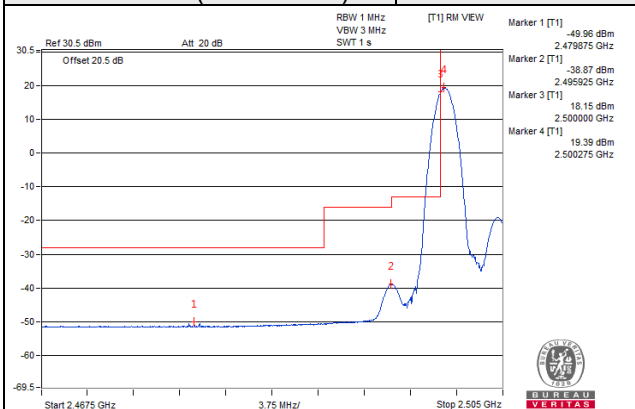


Chain 1 / QPSK

Channel Bandwidth: 5MHz

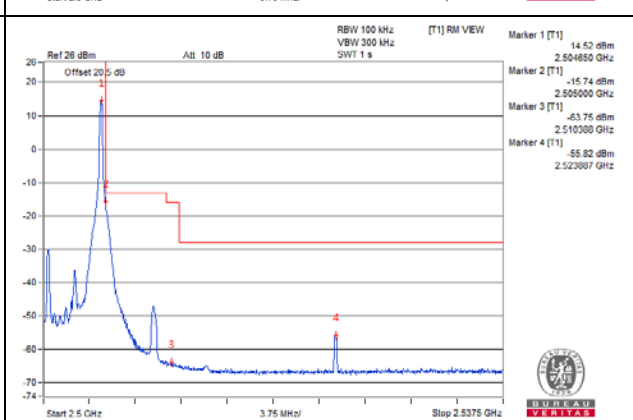
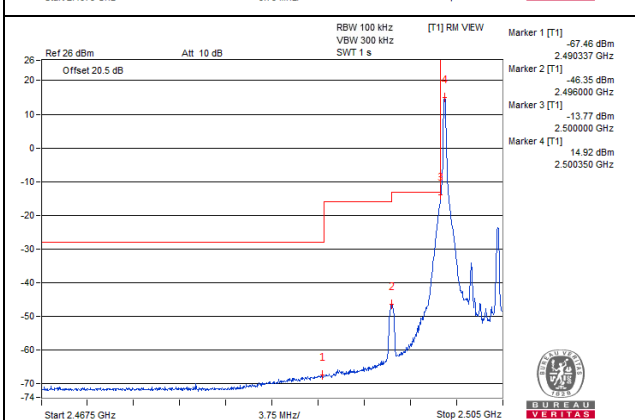
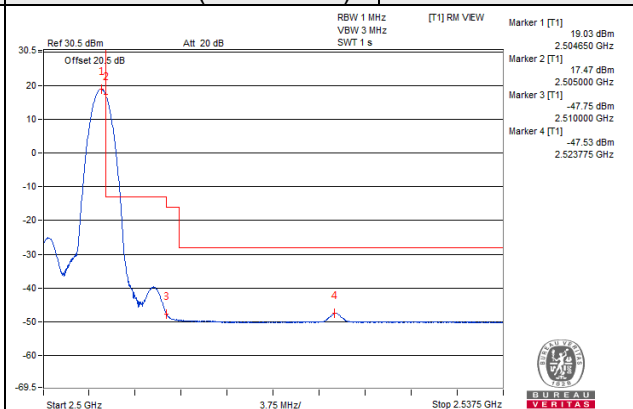
Channel 39715 (2502.5MHz)

1 RB / 0 RB Offset



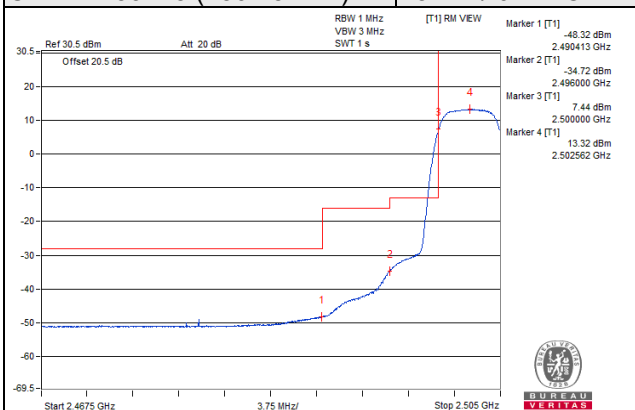
Channel 39715 (2502.5MHz)

1 RB / 24 RB Offset



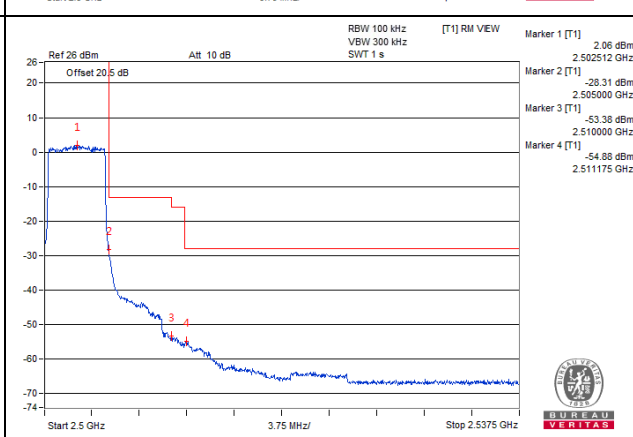
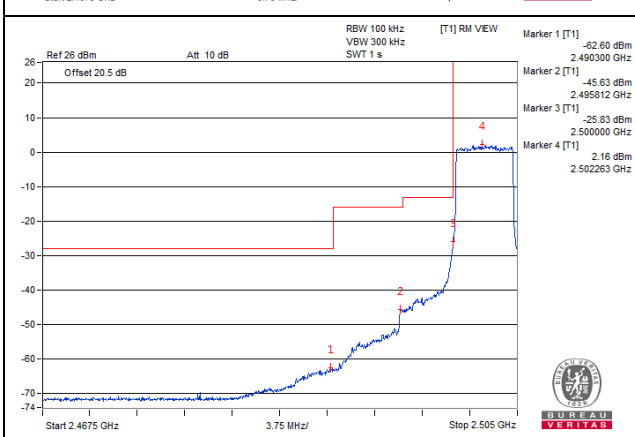
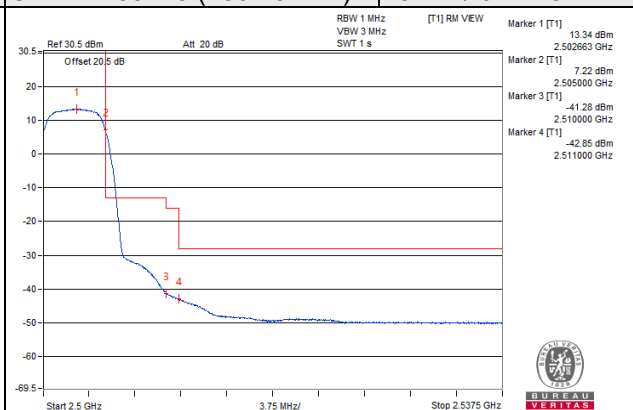
Channel 39715 (2502.5MHz)

25 RB / 0 RB Offset



Channel 39715 (2502.5MHz)

25 RB / 0 RB Offset



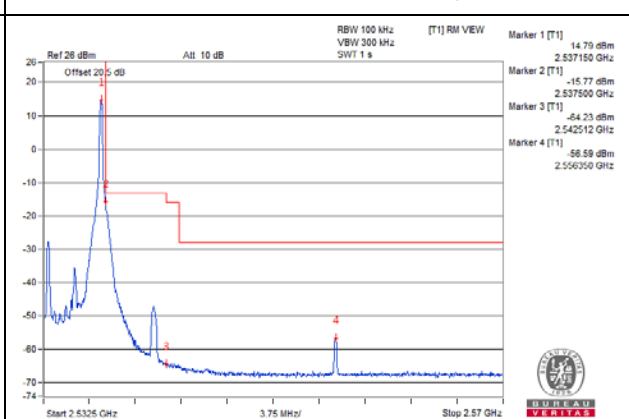
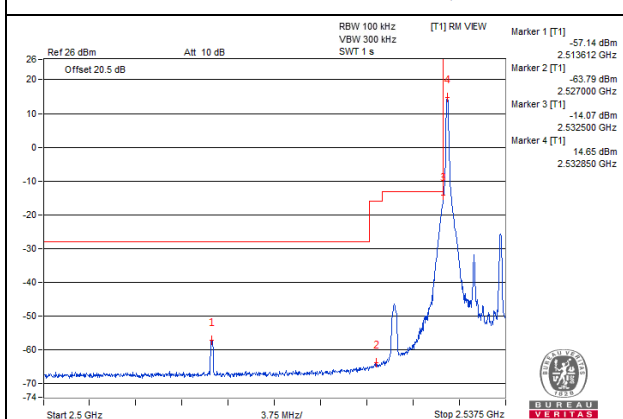
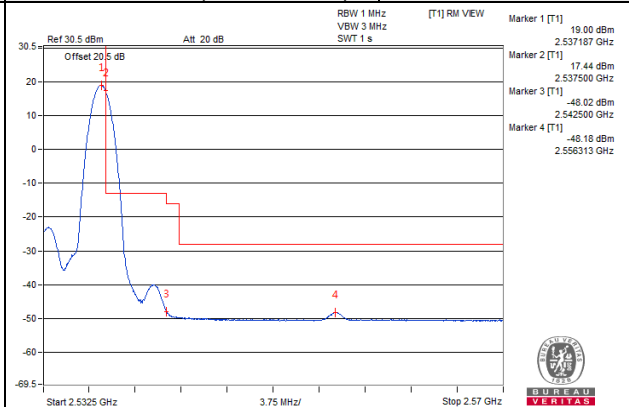
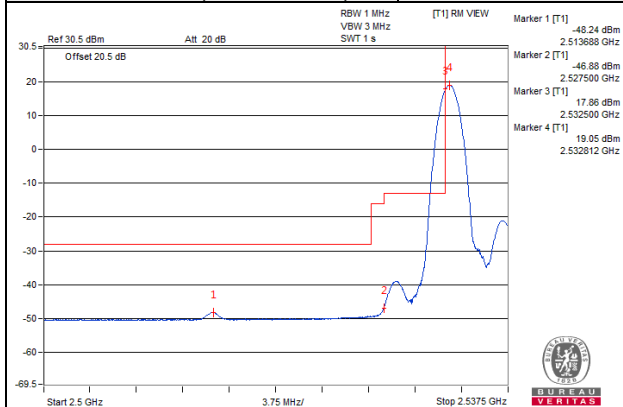
Channel Bandwidth: 5MHz

Channel 40040 (2535.0MHz)

1 RB / 0 RB Offset

Channel 40040 (2535.0MHz)

1 RB / 24 RB Offset

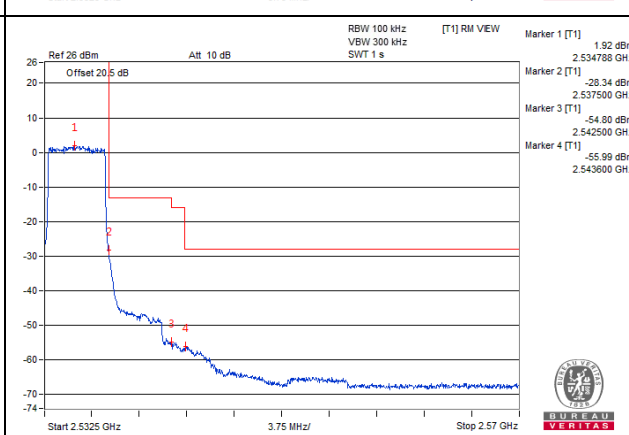
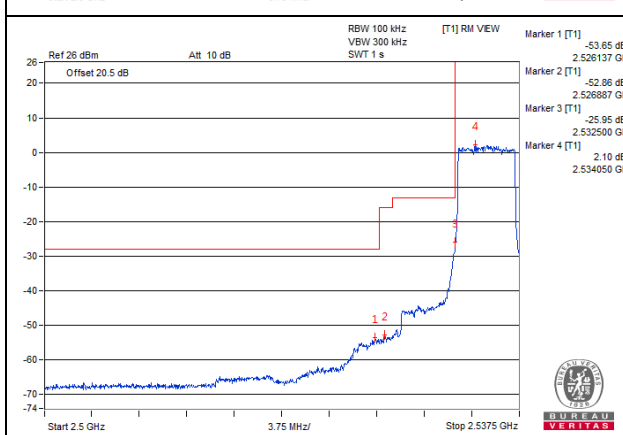
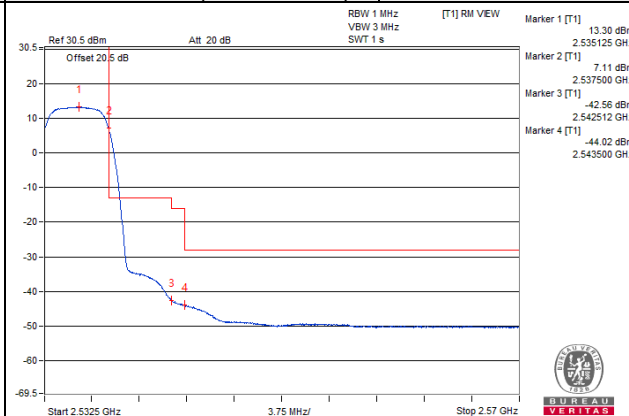
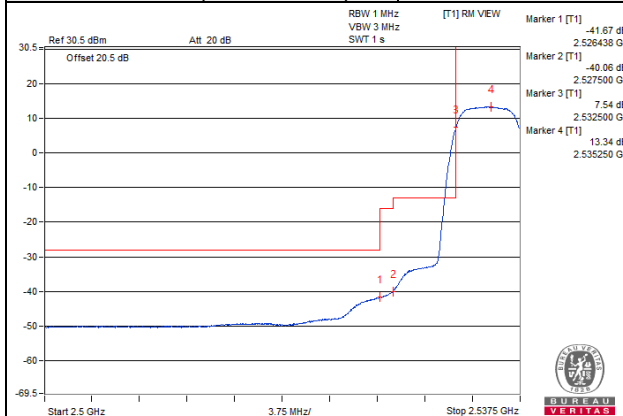


Channel 40040 (2535.0MHz)

25 RB / 0 RB Offset

Channel 40040 (2535.0MHz)

25 RB / 0 RB Offset



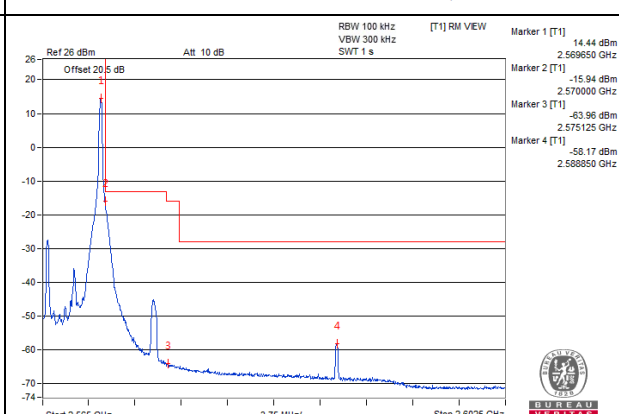
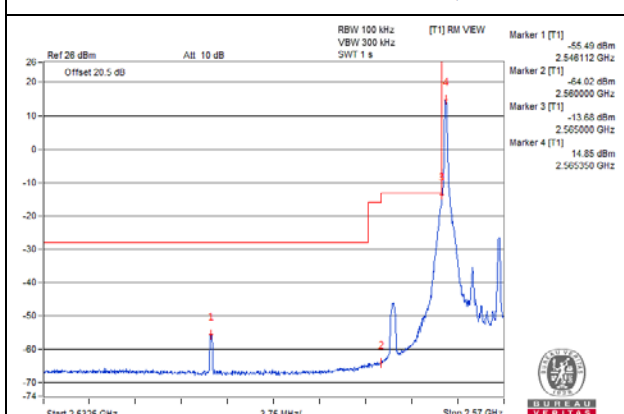
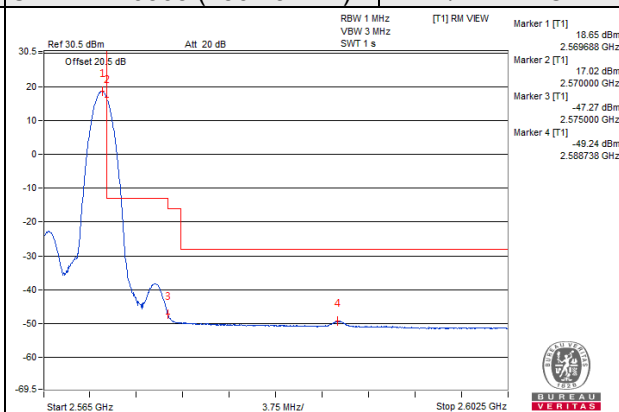
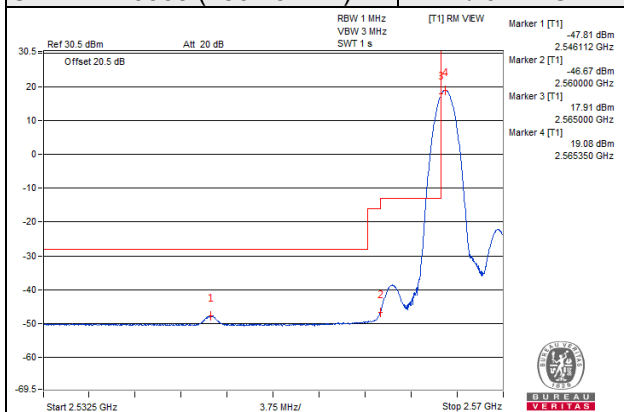
Channel Bandwidth: 5MHz

Channel 40365 (2567.5MHz)

1 RB / 0 RB Offset

Channel 40365 (2567.5MHz)

1 RB / 24 RB Offset

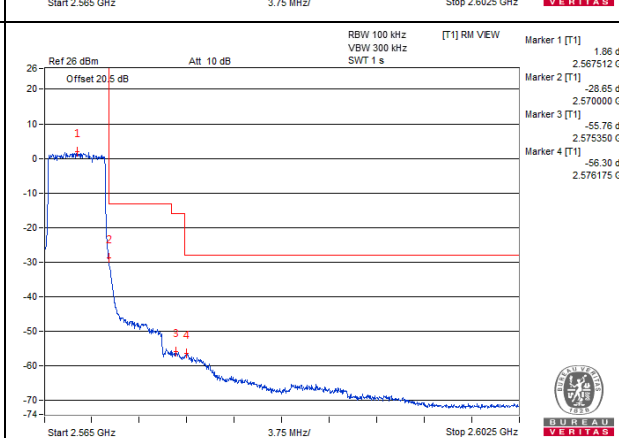
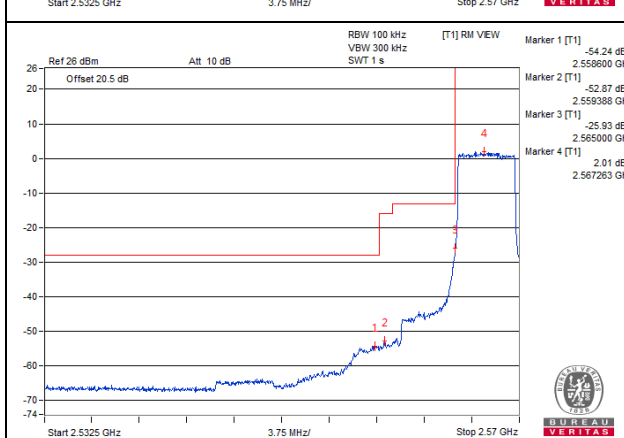
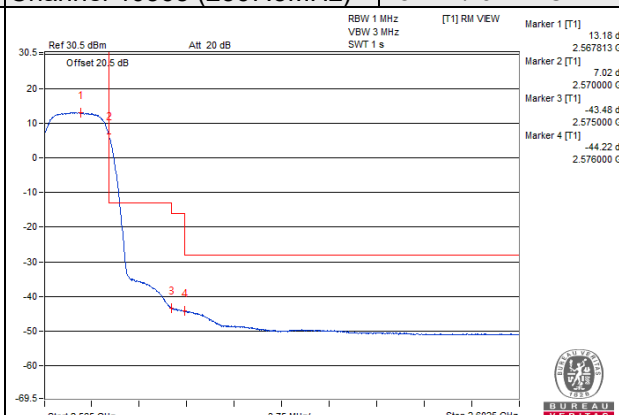
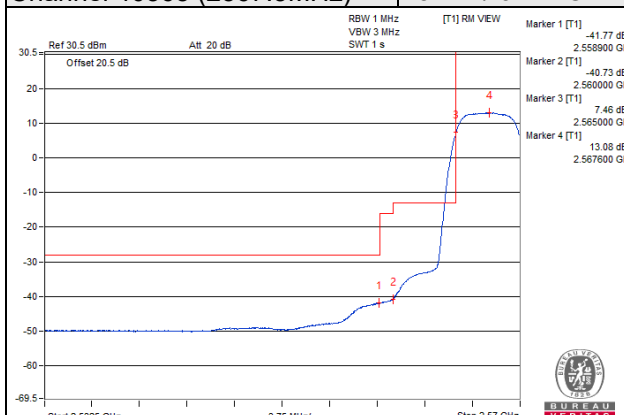


Channel 40365 (2567.5MHz)

25 RB / 0 RB Offset

Channel 40365 (2567.5MHz)

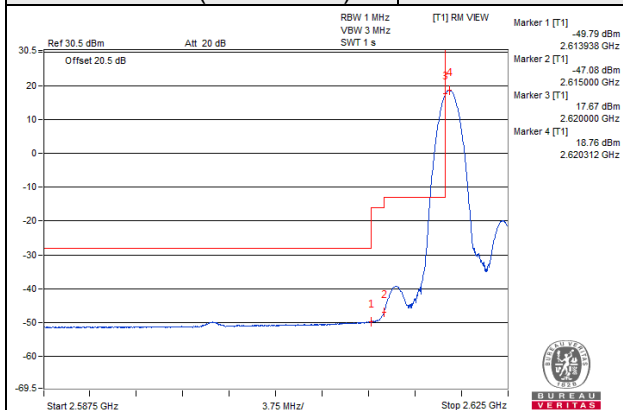
25 RB / 0 RB Offset



Channel Bandwidth: 5MHz

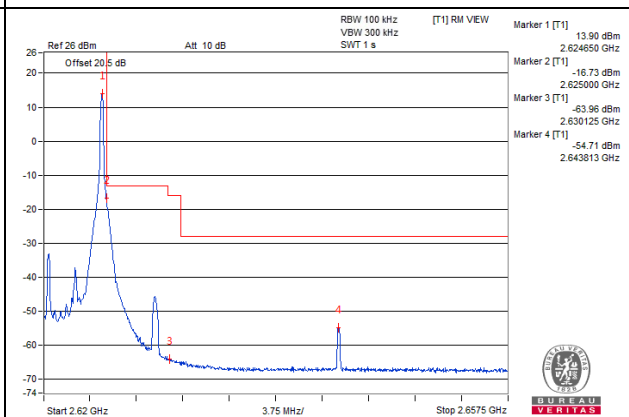
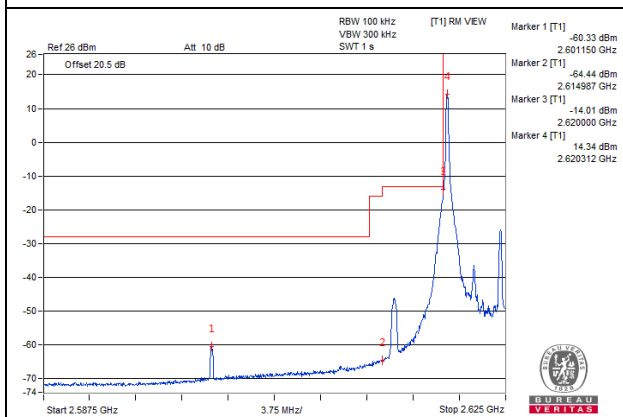
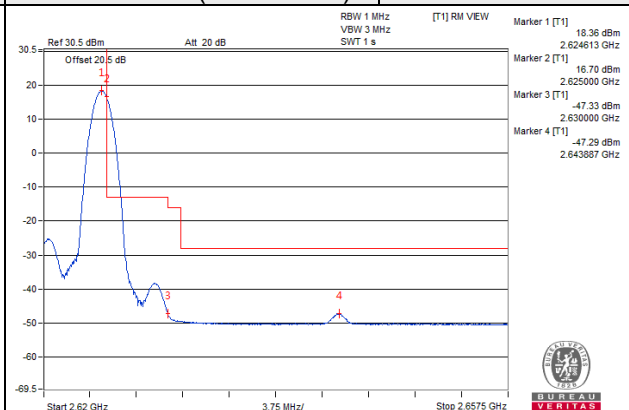
Channel 40915 (2622.5MHz)

1 RB / 0 RB Offset



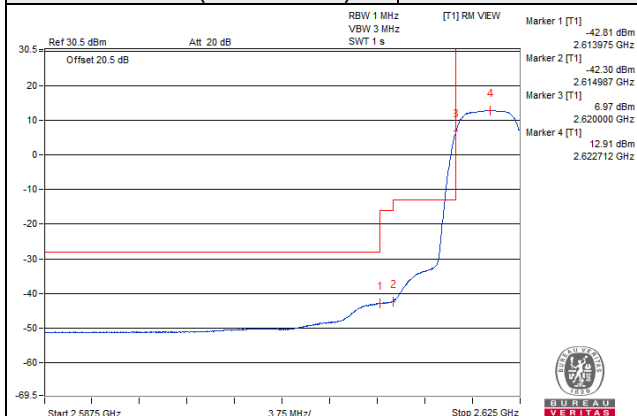
Channel 40915 (2622.5MHz)

1 RB / 24 RB Offset



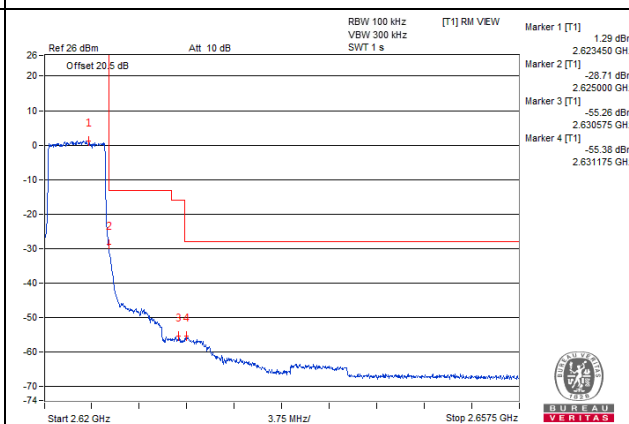
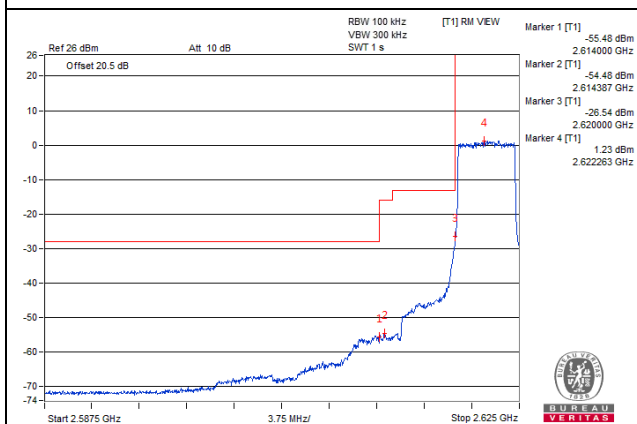
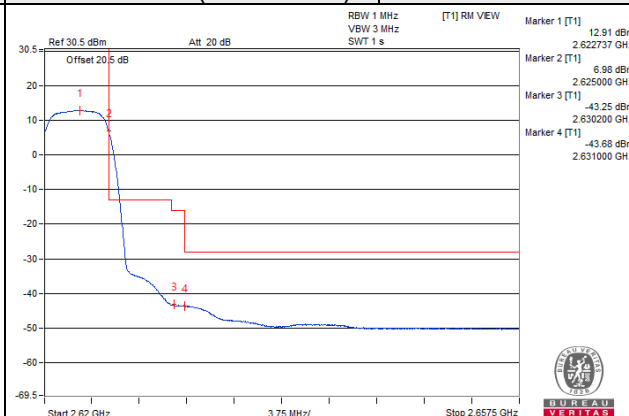
Channel 40915 (2622.5MHz)

25 RB / 0 RB Offset



Channel 40915 (2622.5MHz)

25 RB / 0 RB Offset



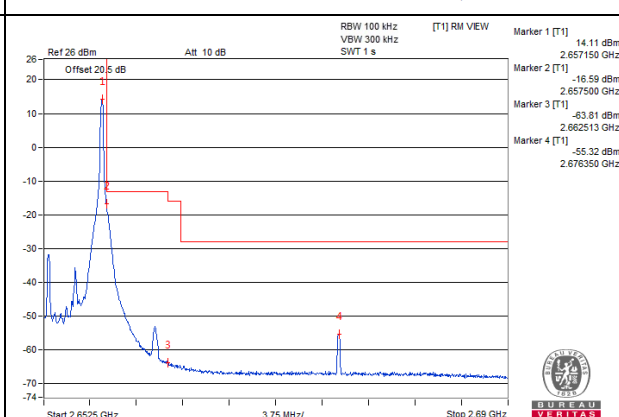
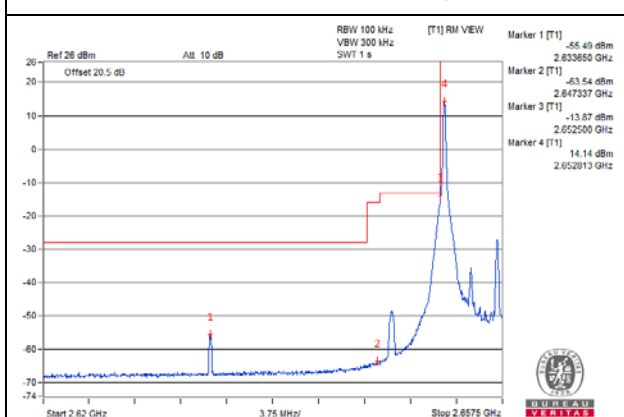
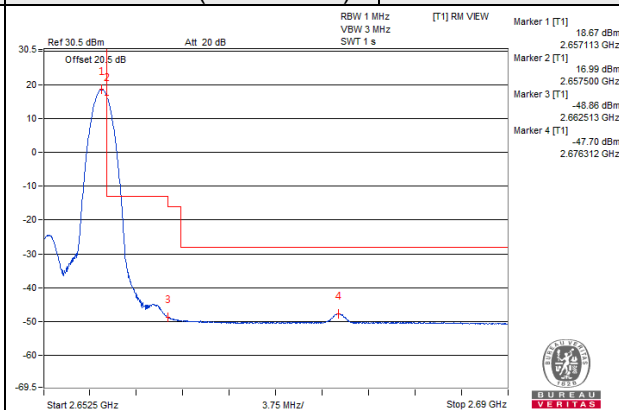
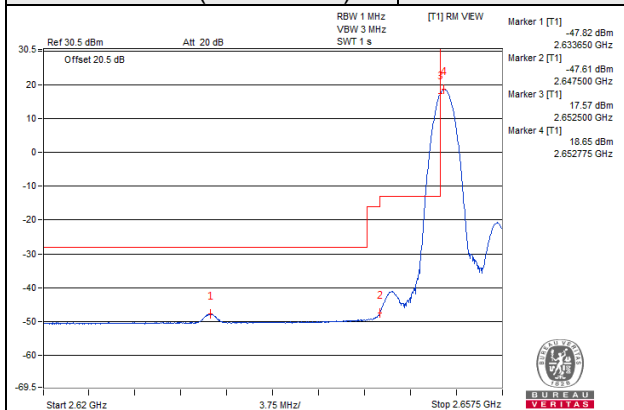
Channel Bandwidth: 5MHz

Channel 41240 (2655.0MHz)

1 RB / 0 RB Offset

Channel 41240 (2655.0MHz)

1 RB / 24 RB Offset

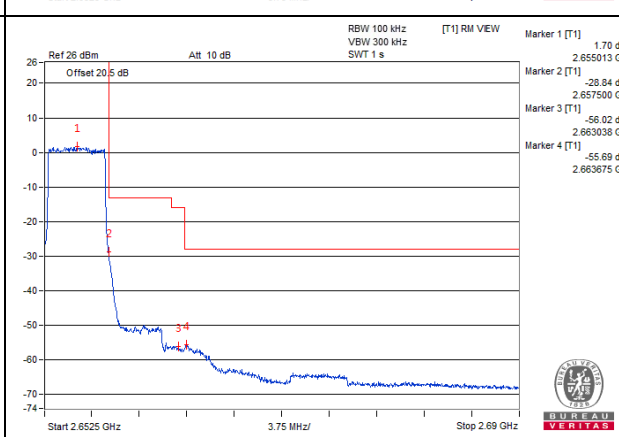
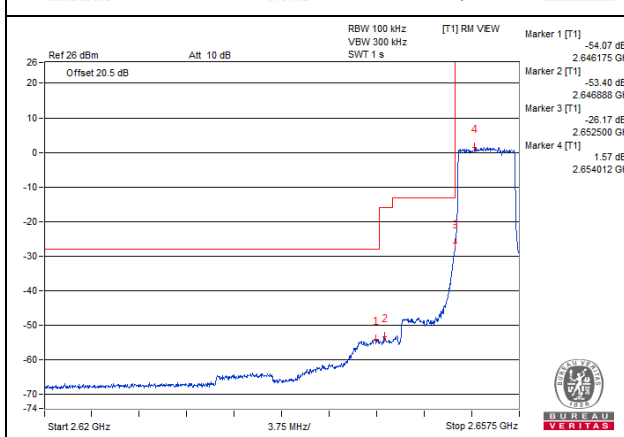
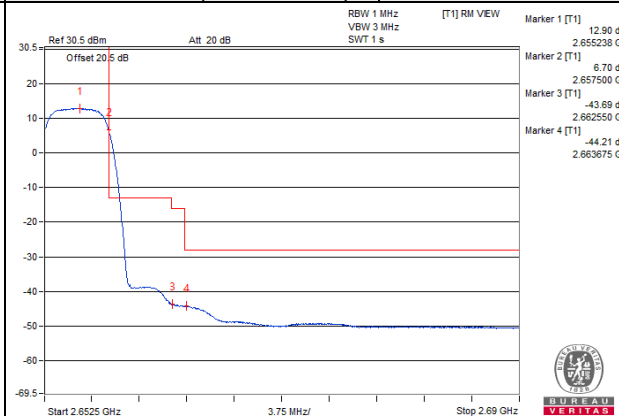
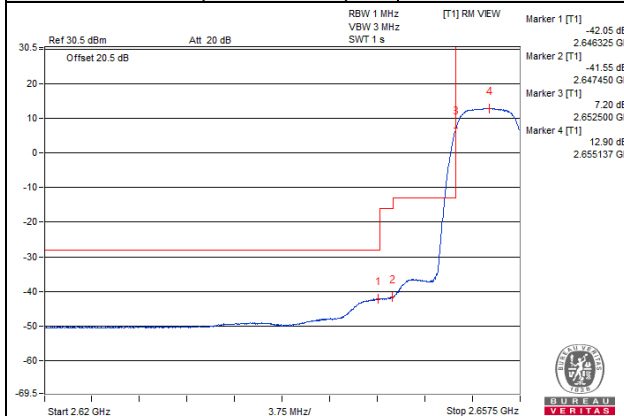


Channel 41240 (2655.0MHz)

25 RB / 0 RB Offset

Channel 41240 (2655.0MHz)

25 RB / 0 RB Offset



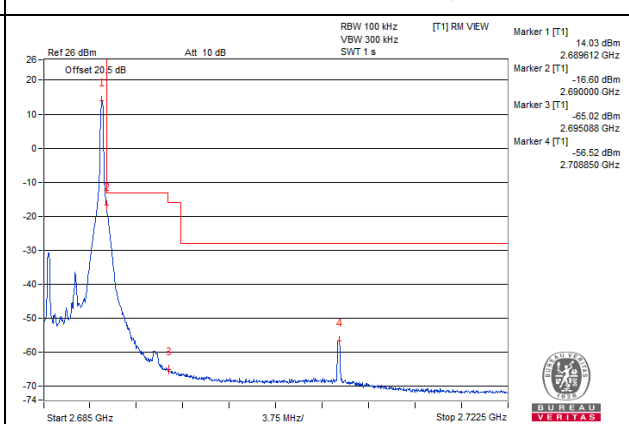
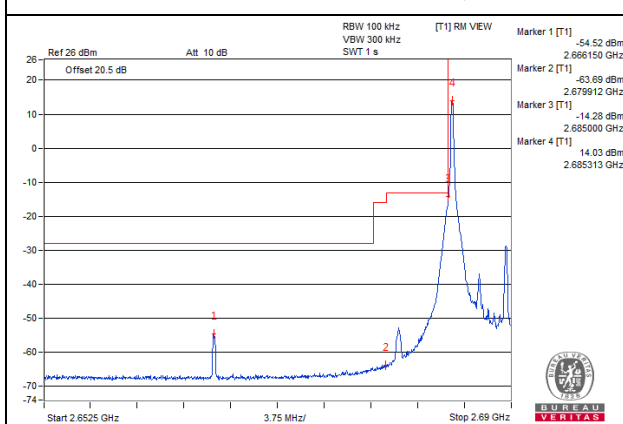
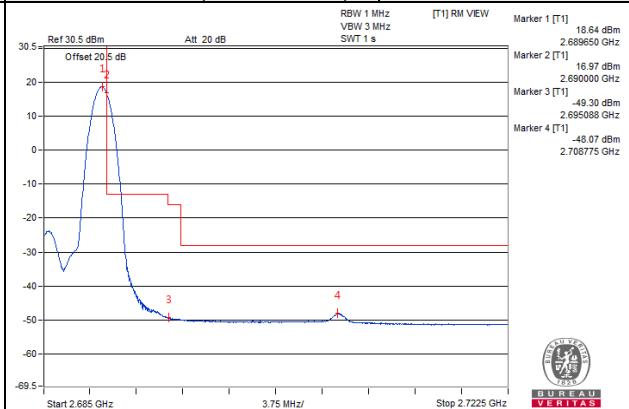
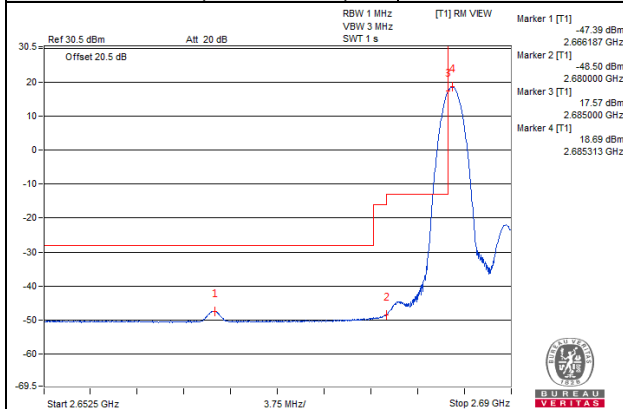
Channel Bandwidth: 5MHz

Channel 41565 (2687.5MHz)

1 RB / 0 RB Offset

Channel 41565 (2687.5MHz)

1 RB / 24 RB Offset

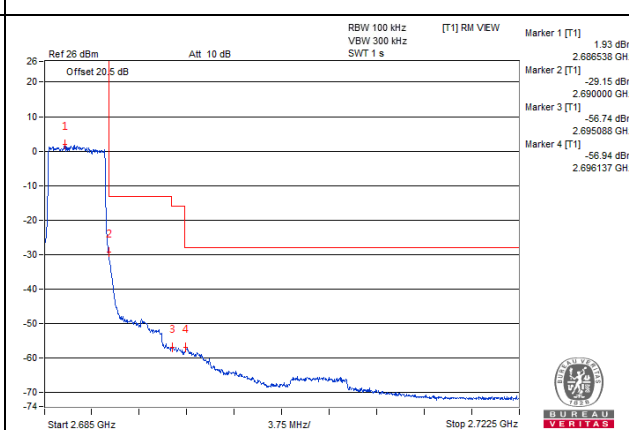
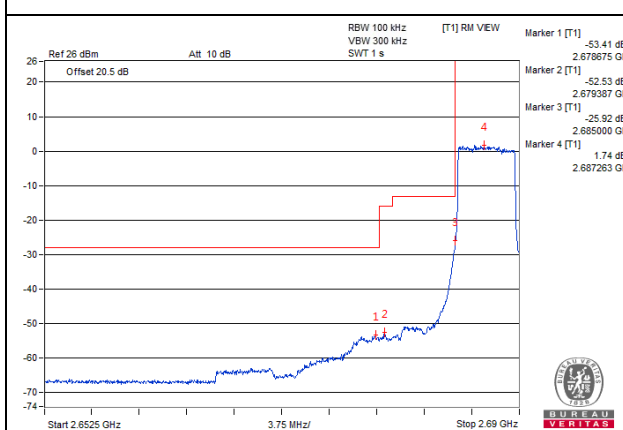
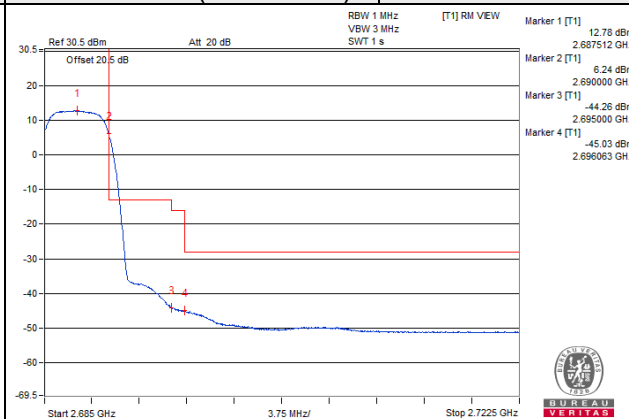
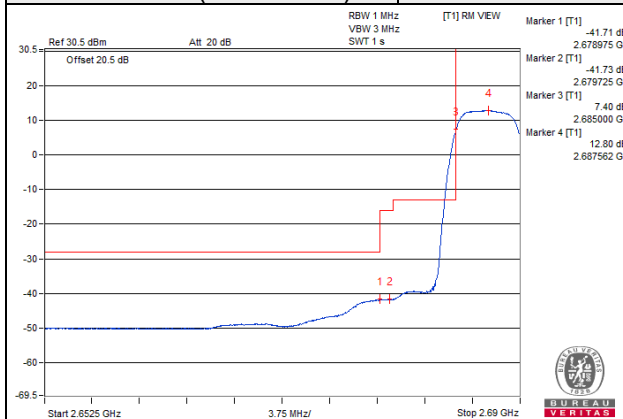


Channel 41565 (2687.5MHz)

25 RB / 0 RB Offset

Channel 41565 (2687.5MHz)

25 RB / 0 RB Offset



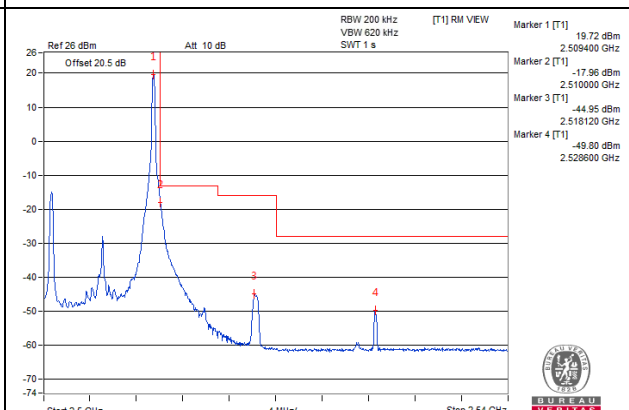
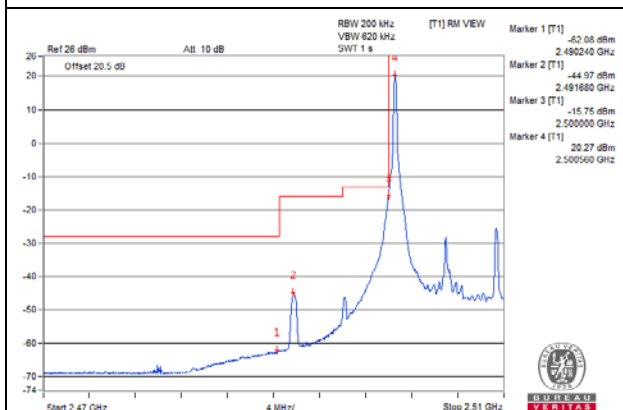
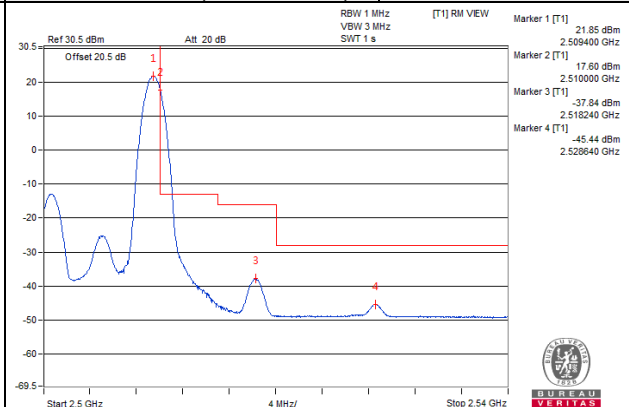
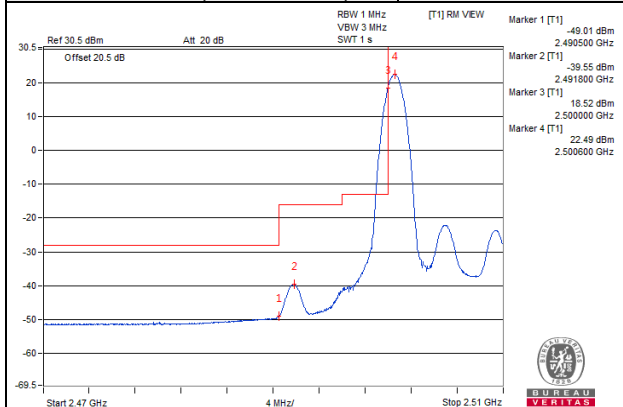
Channel Bandwidth: 10MHz

Channel 39740 (2505.0MHz),

1 RB / 0 RB Offset

Channel 39740 (2505.0MHz),

1 RB / 49 RB Offset

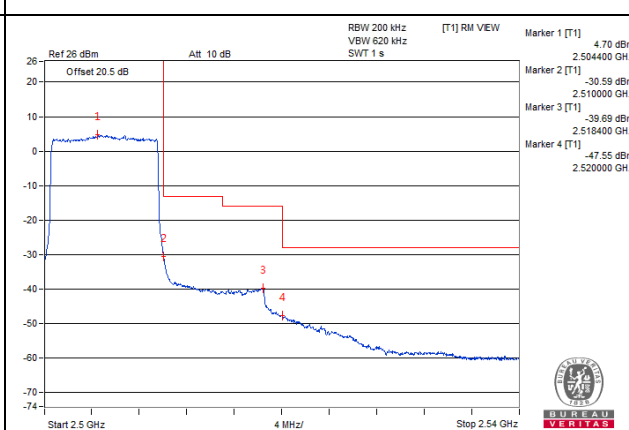
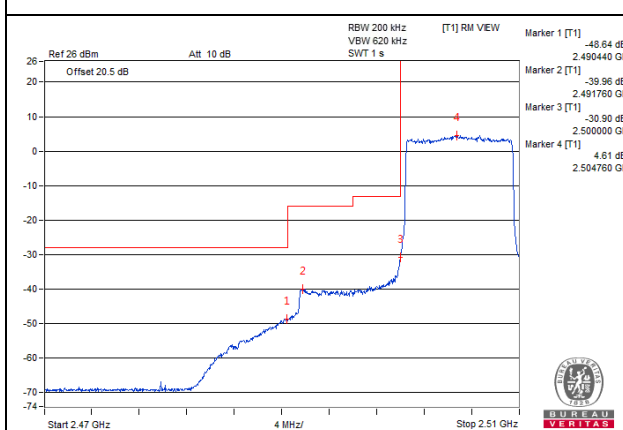
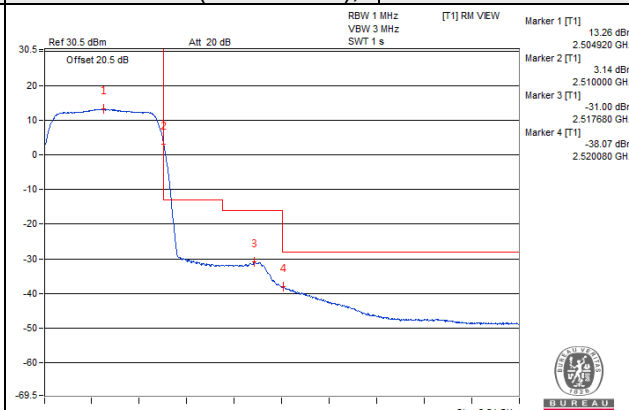
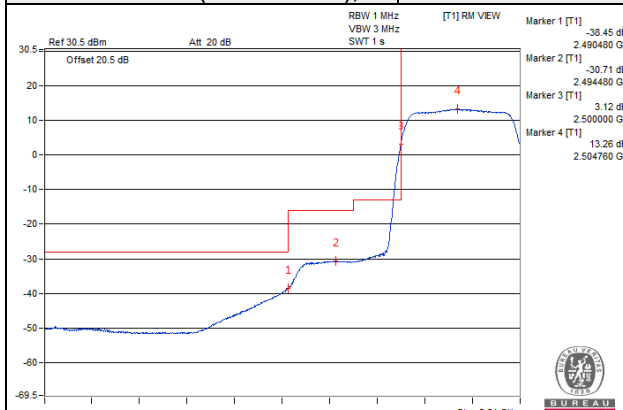


Channel 39740 (2505.0MHz),

50 RB / 0 RB Offset

Channel 39740 (2505.0MHz),

50 RB / 0 RB Offset



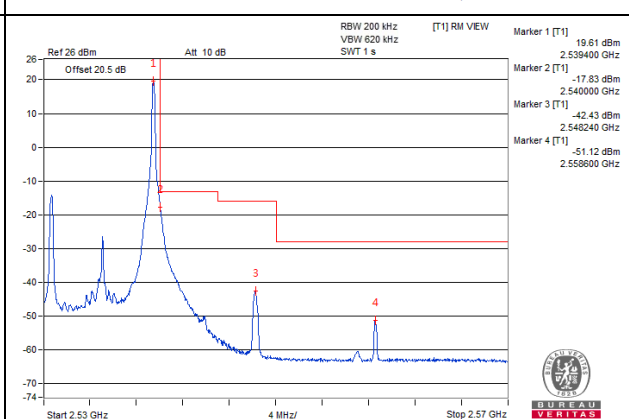
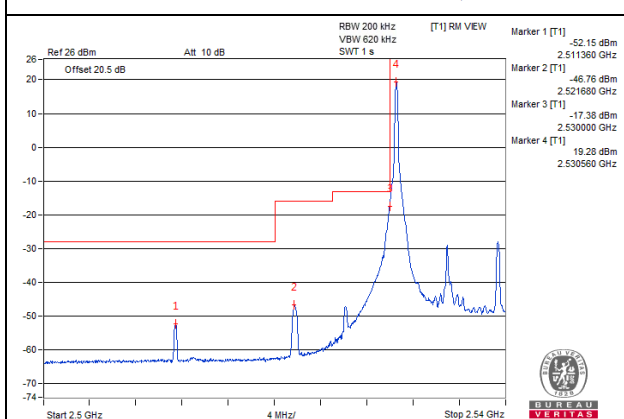
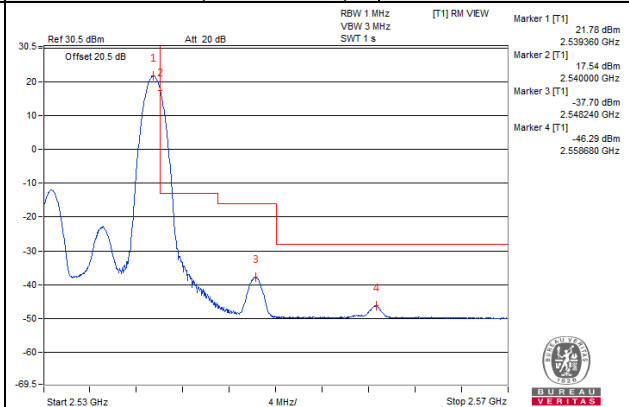
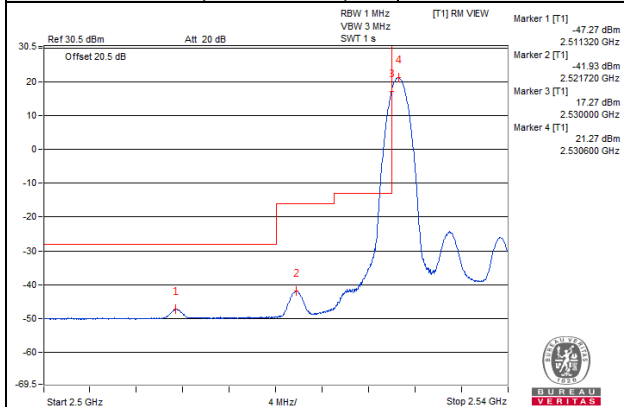
Channel Bandwidth: 10MHz

Channel 40040 (2535.0MHz)

1 RB / 0 RB Offset

Channel 40040 (2535.0MHz)

1 RB / 49 RB Offset

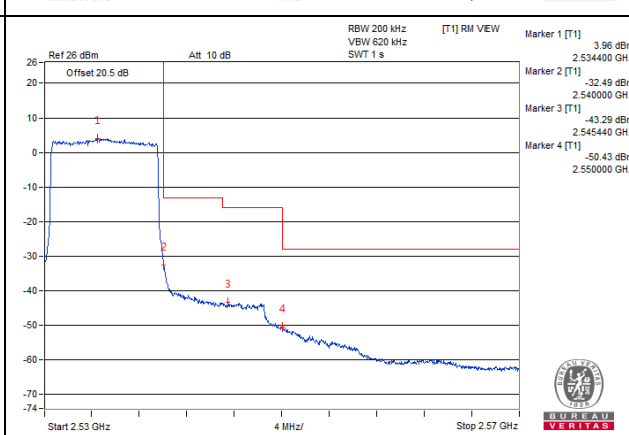
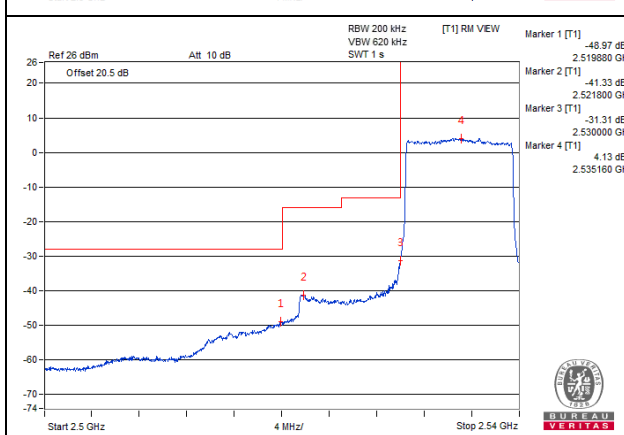
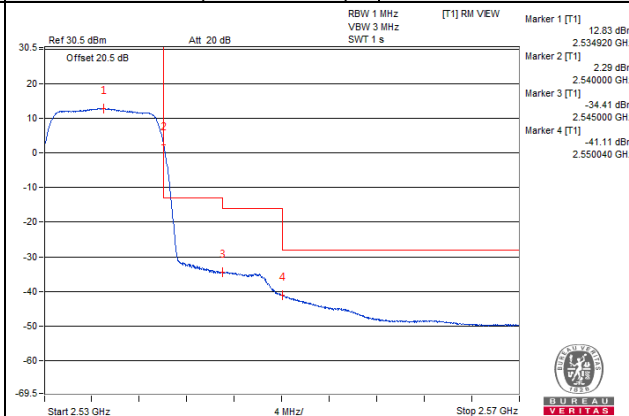
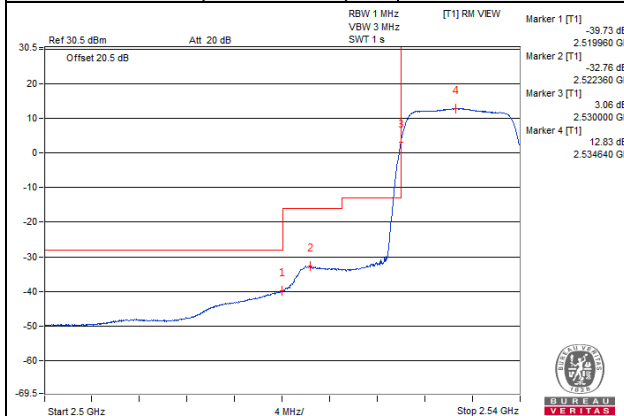


Channel 40040 (2535.0MHz)

50 RB / 0 RB Offset

Channel 40040 (2535.0MHz)

50 RB / 0 RB Offset



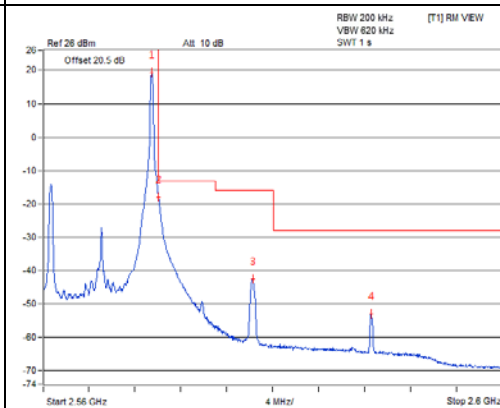
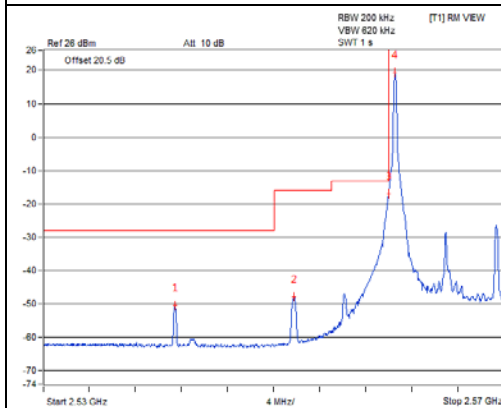
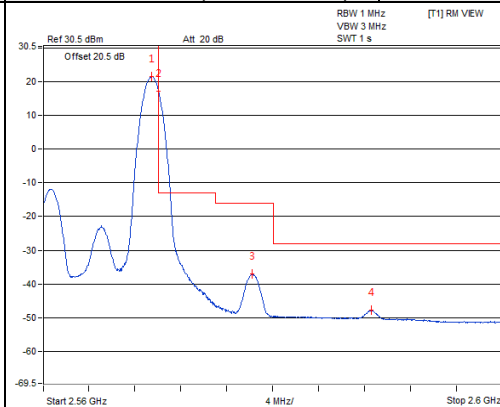
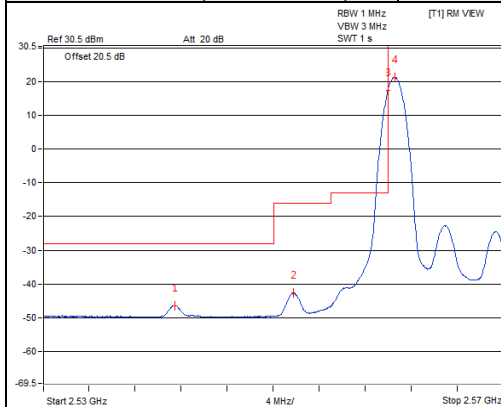
Channel Bandwidth: 10MHz

Channel 40340 (2565.0MHz)

1 RB / 0 RB Offset

Channel 40340 (2565.0MHz)

1 RB / 49 RB Offset

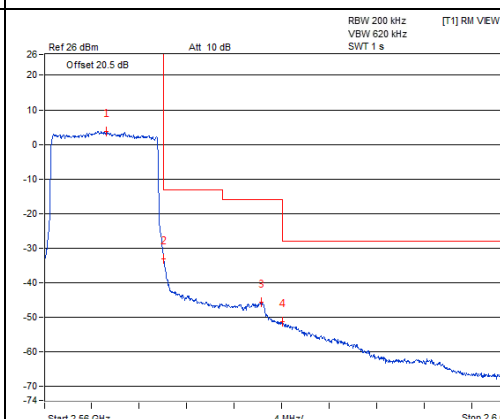
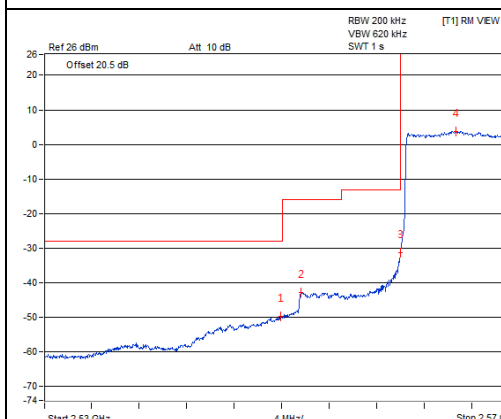
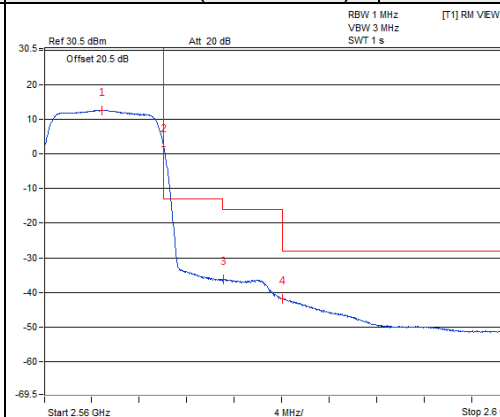
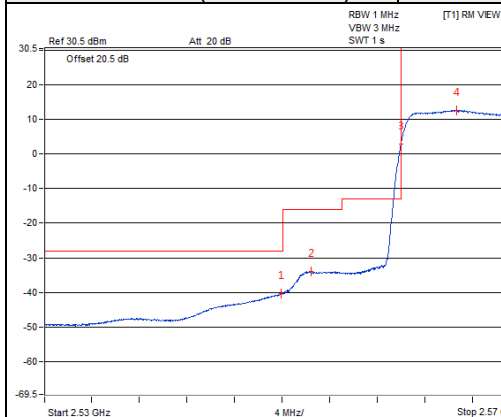


Channel 40340 (2565.0MHz)

50 RB / 0 RB Offset

Channel 40340 (2565.0MHz)

50 RB / 0 RB Offset



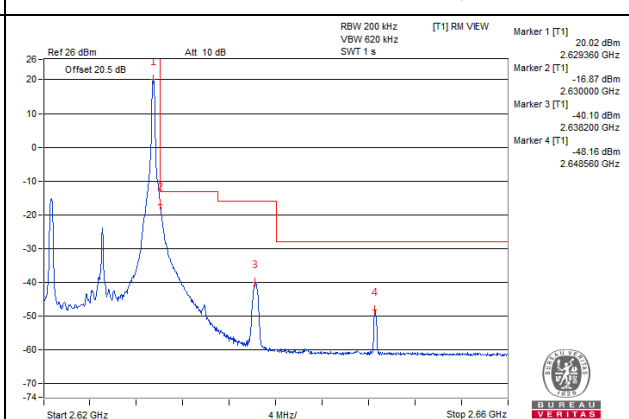
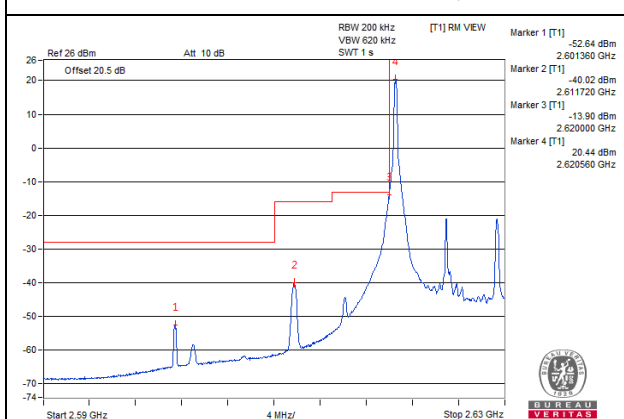
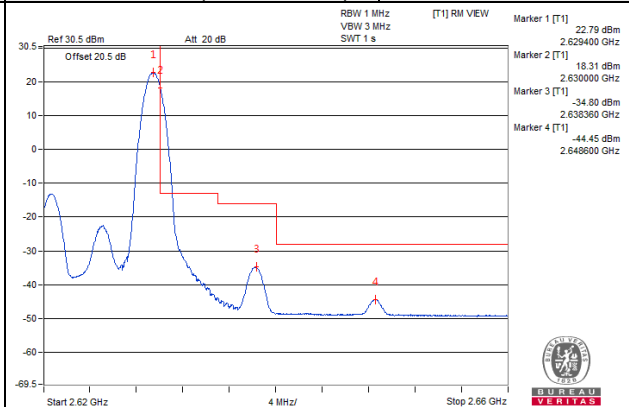
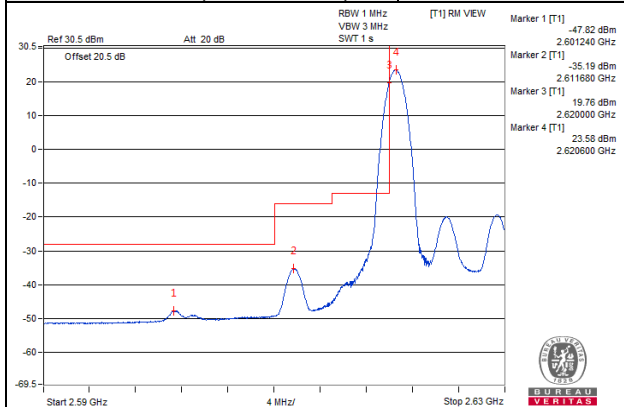
Channel Bandwidth: 10MHz

Channel 40940 (2625.0MHz)

1 RB / 0 RB Offset

Channel 40940 (2625.0MHz)

1 RB / 49 RB Offset

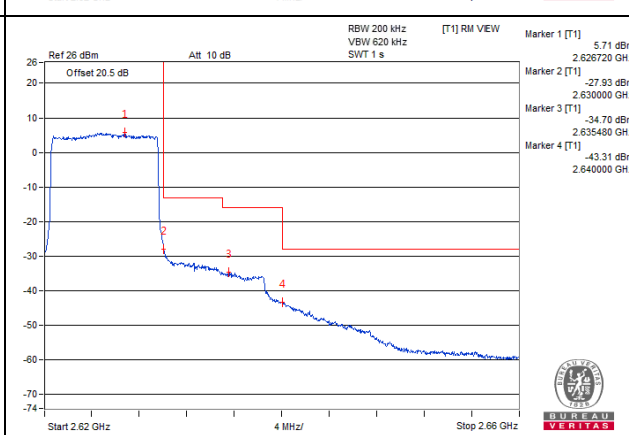
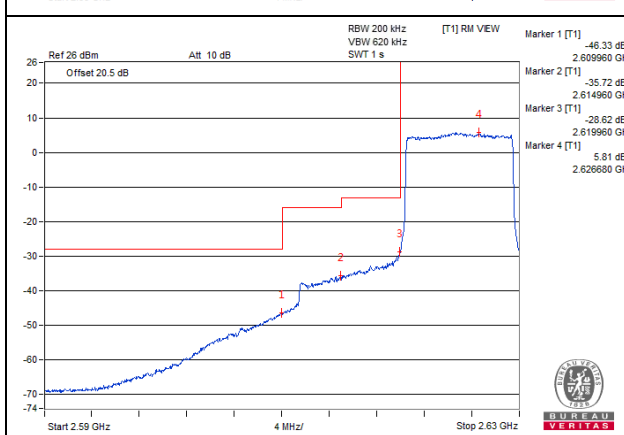
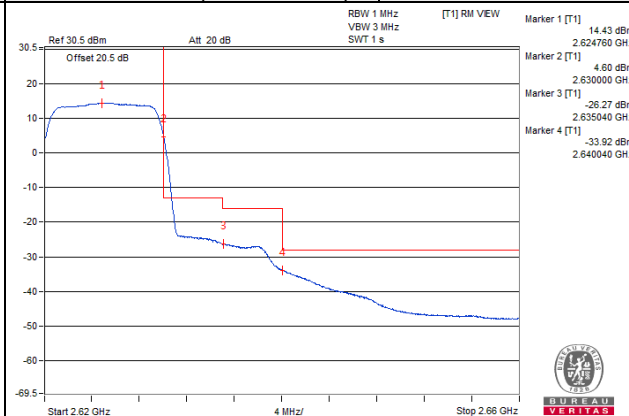
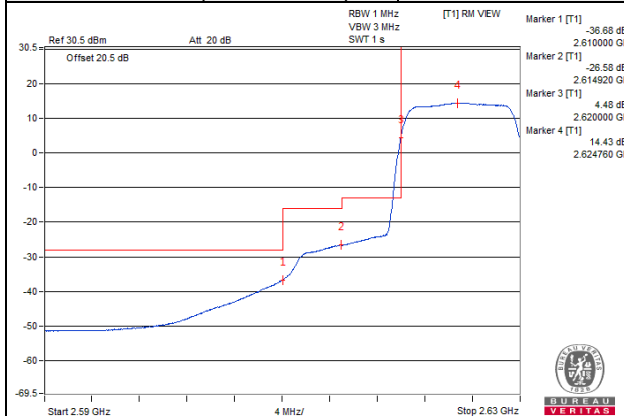


Channel 40940 (2625.0MHz)

50 RB / 0 RB Offset

Channel 40940 (2625.0MHz)

50 RB / 0 RB Offset



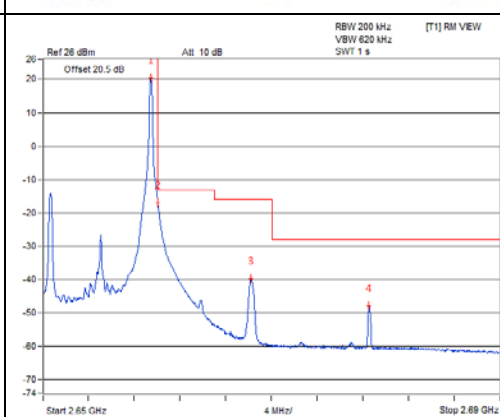
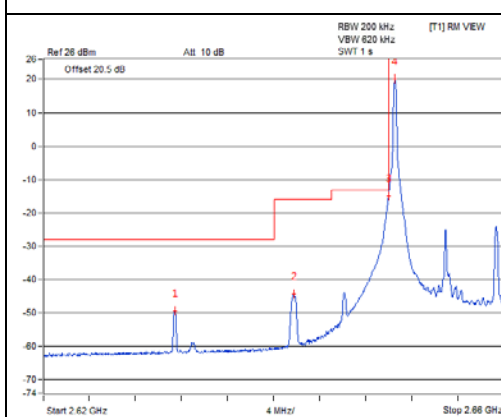
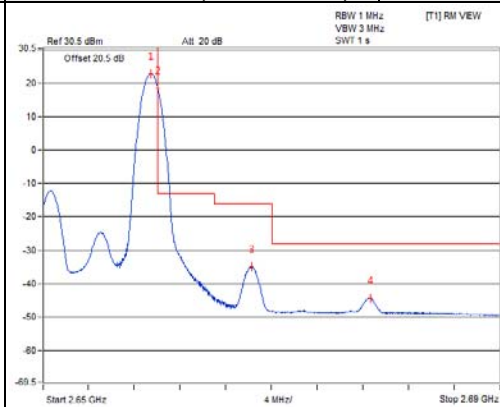
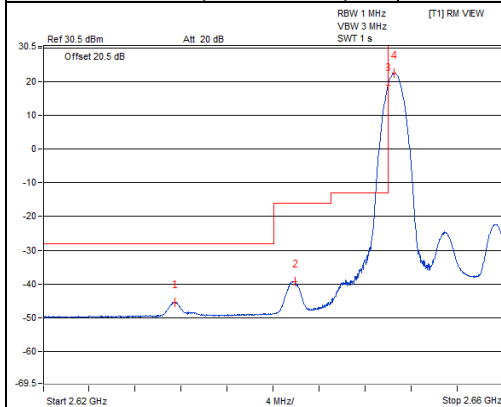
Channel Bandwidth: 10MHz

Channel 41240 (2655.0MHz)

1 RB / 0 RB Offset

Channel 41240 (2655.0MHz)

1 RB / 49 RB Offset



Channel 41240 (2655.0MHz)

50 RB / 0 RB Offset

Channel 41240 (2655.0MHz)

50 RB / 0 RB Offset

