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

Report No.:	RF180919D02-4
FCC ID:	P27-SOR4105T
Test Model:	SOR4105T
Received Date:	Sep. 19, 2018
Test Date:	Nov. 5 ~ 27, 2018
Issued Date:	Dec. 12, 2018
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

Table of Contents

Release Control Record **4**

1 Certificate of Conformity **5**

2 Summary of Test Results **6**

2.1 Measurement Uncertainty 6
2.2 Test Site and Instruments 7

3 General Information **8**

3.1 General Description of EUT 8
3.2 Configuration of System under Test 9
3.2.1 Description of Support Units 9
3.3 Test Mode Applicability and Tested Channel Detail 10
3.4 EUT Operating Conditions 14
3.5 General Description of Applied Standards 14

4 Test Types and Results **15**

4.1 Output Power Measurement 15
4.1.1 Limits of Output Power Measurement 15
4.1.2 Test Procedures 15
4.1.3 Test Setup 16
4.1.4 Test Results 17
4.2 Modulation Characteristics Measurement 53
4.2.1 Limits of Modulation Characteristics 53
4.2.2 Test Procedure 53
4.2.3 Test Setup 53
4.2.4 Test Results 54
4.3 Frequency Stability Measurement 56
4.3.1 Limits of Frequency Stability Measurement 56
4.3.2 Test Procedure 56
4.3.3 Test Setup 56
4.3.4 Test Results 57
4.4 Emission Bandwidth Measurement 59
4.4.1 Limits of Emission Bandwidth Measurement 59
4.4.2 Test Procedure 59
4.4.3 Test Setup 59
4.4.4 Test Result 60
4.5 Channel Edge Measurement 64
4.5.1 Limits of Band Edge Measurement 64
4.5.2 Test Setup 64
4.5.3 Test Procedures 65
4.5.4 Test Results 66
4.6 Peak to Average Ratio 162
4.6.1 Limits of Peak to Average Ratio Measurement 162
4.6.2 Test Setup 162
4.6.3 Test Procedures 162
4.6.4 Test Results 163
4.7 Conducted Spurious Emissions 165
4.7.1 Limits of Conducted Spurious Emissions Measurement 165
4.7.2 Test Setup 165
4.7.3 Test Procedure 165
4.7.4 Test Results 166
4.8 Radiated Emission Measurement 262
4.8.1 Limits of Radiated Emission Measurement 262
4.8.2 Test Procedure 262
4.8.3 Deviation from Test Standard 262
4.8.4 Test Setup 263

4.8.5 Test Results 264
5 Pictures of Test Arrangements 300
Appendix – Information on the Testing Laboratories 301

Release Control Record

Issue No.	Description	Date Issued
RF180919D02-4	Original release	Dec. 12, 2018

1 Certificate of Conformity

Product: Harman Magic Box

Brand: Sprint & Harman Kardon

Test Model: SOR4105T

Sample Status: Engineering sample

Applicant: Sercomm Corp.

Test Date: Nov. 5 ~ 27, 2018

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:** Dec. 12, 2018

Annie Chang / Senior Specialist

Approved by : Rex. Lai , **Date:** Dec. 12, 2018

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 -6.77dB at 5375.66MHz.

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) (±)
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. 29, 2017	Nov. 28, 2018
Schwarzbeck Antenna	VHBA 9123	480	May 19, 2017	May 18, 2019
Schwarzbeck Horn Antenna	BBHA-9170	212	Dec. 1, 2017	Nov. 30, 2018
Schwarzbeck Horn Antenna	BBHA 9120-D1	D130	Dec. 1, 2017	Nov. 30, 2018
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. 30, 2017	Nov. 29, 2018
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	Harman Magic Box				
Brand	Sprint & Harman Kardon				
Test Model	SOR4105T				
Status of EUT	Engineering sample				
Power Supply Rating	12Vdc form 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	935.406mW (29.71dBm)	922.571mW (29.65dBm)	920.450mW (29.64dBm)
		Channel Bandwidth 10MHz	1402.814mW (31.47dBm)	1380.384mW (31.40dBm)	1383.566mW (31.41dBm)
		Channel Bandwidth 15MHz	1618.080mW (32.09dBm)	1566.751mW (31.95dBm)	1548.817mW (31.90dBm)
		Channel Bandwidth 20MHz	1541.700mW (31.88dBm)	1517.050mW (31.81dBm)	1499.685mW (31.76dBm)
Emission Designator	LTE Band 41	Channel Bandwidth 5MHz	4M50G7D	4M50W7D	4M50D7W
		Channel Bandwidth 10MHz	8M97G7D	8M96W7D	8M96D7W
		Channel Bandwidth 15MHz	13M4G7D	13M4W7D	13M4D7W
		Channel Bandwidth 20MHz	17M9G7D	17M9W7D	17M9D7W
Antenna Type	Ant. 1: Dipole antenna with 5.57dBi gain Ant. 3: Dipole antenna with 5.44dBi gain Ant. 5: Dipole antenna with 4.991dBi gain Ant. 7: Dipole antenna with 5.07dBi gain				
Antenna Connector	I-PEX				
Accessory Device	Refer to user's manual				
Data Cable Supplied	N/A				

Note:

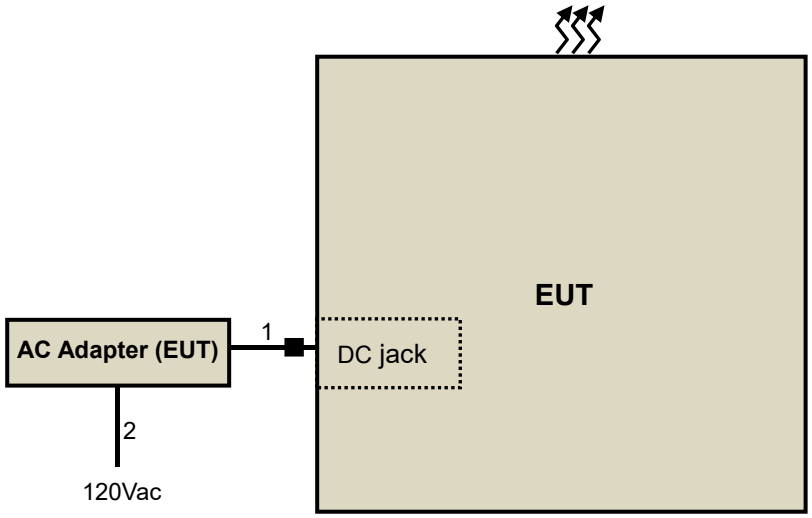
1. The EUT uses following adapter.

Brand	CWT
Model	2ABF060F
AC Input Power	100-240V, 50/60H, 1.7A
DC Output Power	12V, 5A
Power Line	Non-shielded AC 3-Pin cable (3.5m) Non-shielded DC cable (1.5m)

2. The Cross-Palarized antennas is as follows:

LTE Band 41	Antenna port		TX Function	
Vertical	Ant3	Ant5	MIMO	CDD
Horizontal	Ant1	Ant7	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	1.5	N	1	Supplied by client
2.	AC cable	1	3.5	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 / 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
-	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), 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
-	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, Emission Bandwidth and Peak to average ratio 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, 77%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	25deg. C, 77%RH	120Vac, 60Hz	Ian Chang

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 = Output power level of S.G – TX cable loss + 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 power = E.I.R.P power - 2.15dBi.

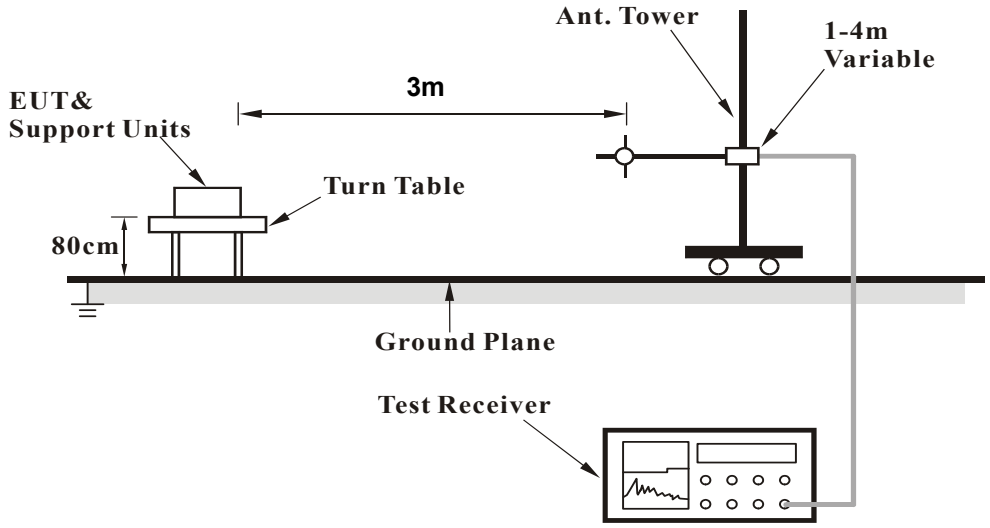
Conducted Power Measurement:

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.

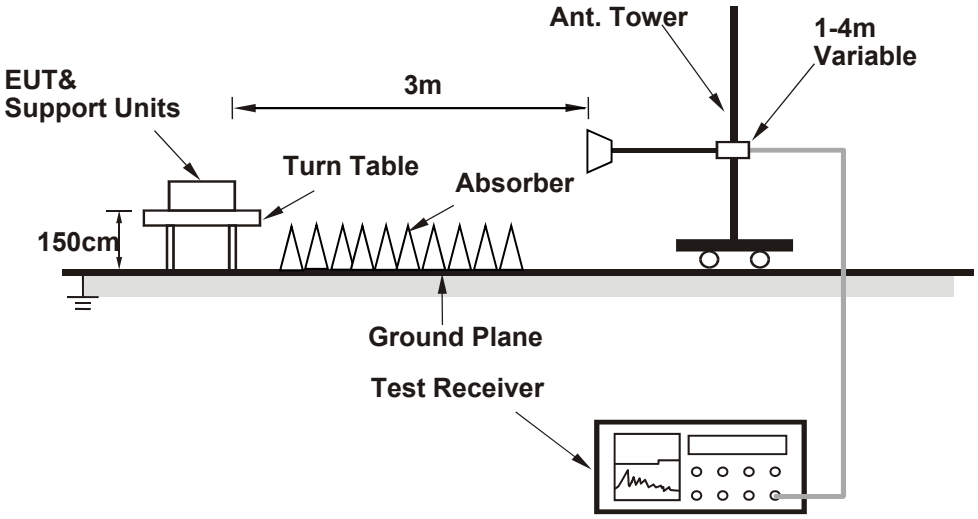
4.1.3 Test Setup

EIRP / ERP MEASUREMENT:

For Radiated Emission below or equal 1GHz

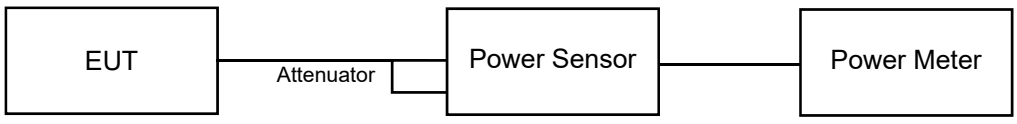


For Radiated Emission above 1GHz



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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
5M	QPSK	1	0	20.98	21.04	24.02	20.83	20.55	23.70	26.87
		1	12	20.96	21.02	24.00	20.80	20.50	23.66	26.85
		1	24	20.90	21.04	23.98	20.78	20.49	23.65	26.83
		12	0	20.95	21.05	24.01	20.81	20.52	23.68	26.86
		12	6	20.89	20.96	23.94	20.90	20.55	23.74	26.85
		12	13	20.86	20.93	23.91	20.86	20.54	23.71	26.82
		25	0	20.92	21.01	23.98	20.92	20.57	23.76	26.88
	16QAM	1	0	20.78	20.83	23.82	20.62	20.35	23.50	26.67
		1	12	20.76	20.79	23.79	20.55	20.32	23.45	26.63
		1	24	20.73	20.84	23.80	20.58	20.25	23.43	26.63
		12	0	20.74	20.82	23.79	20.61	20.30	23.47	26.64
		12	6	20.65	20.80	23.74	20.65	20.34	23.51	26.63
		12	13	20.65	20.74	23.71	20.66	20.32	23.50	26.62
		25	0	20.69	20.78	23.75	20.70	20.38	23.55	26.66
	64QAM	1	0	20.78	20.72	23.76	20.60	20.32	23.47	26.63
		1	12	20.71	20.76	23.75	20.56	20.33	23.46	26.61
		1	24	20.70	20.83	23.78	20.50	20.30	23.41	26.61
		12	0	20.73	20.84	23.80	20.77	20.34	23.57	26.69
		12	6	20.66	20.71	23.70	20.63	20.34	23.50	26.61
		12	13	20.62	20.69	23.67	20.61	20.31	23.47	26.58
		25	0	20.63	20.74	23.70	20.66	20.32	23.50	26.61

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
5M	QPSK	1	0	20.87	20.99	23.94	20.86	20.61	23.75	26.86
		1	12	20.85	20.96	23.92	20.77	20.55	23.67	26.81
		1	24	20.90	20.93	23.93	20.82	20.51	23.68	26.81
		12	0	20.96	20.94	23.96	20.76	20.57	23.68	26.83
		12	6	20.91	20.88	23.91	20.74	20.61	23.69	26.81
		12	13	20.88	20.90	23.90	20.85	20.63	23.75	26.84
		25	0	20.93	20.90	23.93	20.92	20.54	23.74	26.85
	16QAM	1	0	20.64	20.77	23.72	20.64	20.45	23.56	26.65
		1	12	20.69	20.75	23.73	20.57	20.38	23.49	26.62
		1	24	20.70	20.69	23.71	20.61	20.34	23.49	26.61
		12	0	20.74	20.68	23.72	20.54	20.35	23.46	26.60
		12	6	20.69	20.67	23.69	20.55	20.42	23.50	26.60
		12	13	20.66	20.67	23.68	20.62	20.45	23.55	26.62
		25	0	20.71	20.67	23.70	20.64	20.38	23.52	26.62
	64QAM	1	0	20.59	20.75	23.68	20.57	20.34	23.47	26.59
		1	12	20.63	20.73	23.69	20.53	20.32	23.44	26.58
		1	24	20.64	20.69	23.68	20.54	20.33	23.45	26.57
		12	0	20.70	20.65	23.69	20.44	20.35	23.41	26.56
		12	6	20.64	20.63	23.65	20.43	20.34	23.40	26.53
		12	13	20.69	20.59	23.65	20.52	20.39	23.47	26.57
		25	0	20.73	20.59	23.67	20.51	20.31	23.42	26.56

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
5M	QPSK	1	0	20.83	21.03	23.94	20.79	20.55	23.68	26.82
		1	12	20.78	20.91	23.86	20.75	20.53	23.65	26.77
		1	24	20.69	20.86	23.79	20.72	20.48	23.61	26.71
		12	0	20.67	20.88	23.79	20.77	20.52	23.66	26.73
		12	6	20.72	20.83	23.79	20.69	20.46	23.59	26.70
		12	13	20.66	20.84	23.76	20.66	20.46	23.57	26.68
		25	0	20.76	20.87	23.83	20.81	20.55	23.69	26.77
	16QAM	1	0	20.57	20.77	23.68	20.60	20.32	23.47	26.59
		1	12	20.54	20.70	23.63	20.54	20.34	23.45	26.55
		1	24	20.51	20.59	23.56	20.54	20.32	23.44	26.51
		12	0	20.46	20.64	23.56	20.53	20.36	23.46	26.52
		12	6	20.49	20.64	23.58	20.52	20.26	23.40	26.50
		12	13	20.46	20.68	23.58	20.48	20.25	23.38	26.49
		25	0	20.57	20.67	23.63	20.57	20.31	23.45	26.55
	64QAM	1	0	20.56	20.73	23.66	20.49	20.32	23.42	26.55
		1	12	20.40	20.65	23.54	20.51	20.34	23.44	26.50
		1	24	20.47	20.62	23.56	20.43	20.31	23.38	26.48
		12	0	20.40	20.64	23.53	20.50	20.33	23.43	26.49
		12	6	20.41	20.59	23.51	20.38	20.30	23.35	26.44
		12	13	20.38	20.54	23.47	20.39	20.32	23.37	26.43
		25	0	20.53	20.57	23.56	20.52	20.33	23.44	26.51

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
5M	QPSK	1	0	20.91	20.93	23.93	20.75	20.52	23.65	26.80
		1	12	20.87	20.90	23.90	20.78	20.43	23.62	26.77
		1	24	20.81	20.88	23.86	20.70	20.37	23.55	26.71
		12	0	20.82	20.92	23.88	20.79	20.43	23.62	26.76
		12	6	20.77	20.87	23.83	20.79	20.49	23.65	26.75
		12	13	20.75	20.86	23.82	20.71	20.51	23.62	26.73
		25	0	20.81	20.84	23.84	20.79	20.43	23.62	26.74
	16QAM	1	0	20.69	20.73	23.72	20.51	20.31	23.42	26.58
		1	12	20.64	20.68	23.67	20.50	20.32	23.42	26.56
		1	24	20.63	20.73	23.69	20.50	20.30	23.41	26.56
		12	0	20.61	20.66	23.65	20.52	20.34	23.44	26.55
		12	6	20.58	20.64	23.62	20.53	20.37	23.46	26.55
		12	13	20.54	20.66	23.61	20.55	20.31	23.44	26.54
		25	0	20.64	20.64	23.65	20.56	20.33	23.46	26.56
	64QAM	1	0	20.58	20.66	23.63	20.43	20.35	23.40	26.53
		1	12	20.52	20.65	23.60	20.44	20.31	23.39	26.50
		1	24	20.58	20.65	23.63	20.44	20.32	23.39	26.52
		12	0	20.51	20.61	23.57	20.52	20.30	23.42	26.51
		12	6	20.53	20.60	23.58	20.52	20.31	23.43	26.51
		12	13	20.47	20.57	23.53	20.48	20.36	23.43	26.49
		25	0	20.55	20.58	23.58	20.47	20.30	23.40	26.50

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
5M	QPSK	1	0	20.78	20.84	23.82	20.72	20.45	23.60	26.72
		1	12	20.73	20.79	23.77	20.74	20.44	23.60	26.70
		1	24	20.71	20.77	23.75	20.70	20.43	23.58	26.68
		12	0	20.77	20.84	23.82	20.72	20.42	23.58	26.71
		12	6	20.76	20.77	23.78	20.66	20.52	23.60	26.70
		12	13	20.76	20.82	23.80	20.77	20.54	23.67	26.74
		25	0	20.81	20.77	23.80	20.68	20.46	23.58	26.70
	16QAM	1	0	20.57	20.66	23.63	20.52	20.34	23.44	26.54
		1	12	20.54	20.61	23.59	20.53	20.35	23.45	26.53
		1	24	20.61	20.62	23.63	20.47	20.30	23.40	26.52
		12	0	20.60	20.56	23.59	20.54	20.34	23.45	26.53
		12	6	20.54	20.60	23.58	20.43	20.34	23.40	26.50
		12	13	20.55	20.58	23.58	20.53	20.32	23.44	26.52
		25	0	20.67	20.59	23.64	20.48	20.31	23.41	26.54
	64QAM	1	0	20.53	20.63	23.59	20.45	20.34	23.41	26.51
		1	12	20.47	20.58	23.54	20.45	20.32	23.40	26.48
		1	24	20.52	20.55	23.55	20.42	20.30	23.37	26.47
		12	0	20.56	20.58	23.58	20.42	20.31	23.38	26.49
		12	6	20.49	20.52	23.52	20.40	20.32	23.37	26.45
		12	13	20.51	20.49	23.51	20.43	20.33	23.39	26.46
		25	0	20.54	20.53	23.55	20.45	20.32	23.40	26.48

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
5M	QPSK	1	0	20.69	20.82	23.77	20.71	20.54	23.64	26.71
		1	12	20.65	20.80	23.74	20.65	20.40	23.54	26.65
		1	24	20.59	20.76	23.69	20.58	20.39	23.50	26.60
		12	0	20.55	20.78	23.68	20.63	20.42	23.54	26.62
		12	6	20.57	20.73	23.66	20.56	20.39	23.49	26.58
		12	13	20.64	20.75	23.71	20.52	20.39	23.47	26.60
		25	0	20.64	20.78	23.72	20.66	20.45	23.57	26.65
	16QAM	1	0	20.49	20.65	23.58	20.53	20.36	23.46	26.53
		1	12	20.45	20.61	23.54	20.45	20.34	23.41	26.48
		1	24	20.42	20.56	23.50	20.38	20.38	23.39	26.46
		12	0	20.36	20.57	23.48	20.45	20.33	23.40	26.45
		12	6	20.41	20.58	23.51	20.37	20.30	23.35	26.44
		12	13	20.45	20.58	23.53	20.33	20.31	23.33	26.44
		25	0	20.46	20.59	23.54	20.47	20.35	23.42	26.49
	64QAM	1	0	20.42	20.60	23.52	20.47	20.35	23.42	26.48
		1	12	20.37	20.60	23.50	20.38	20.34	23.37	26.44
		1	24	20.35	20.48	23.43	20.29	20.31	23.31	26.38
		12	0	20.32	20.54	23.44	20.38	20.32	23.36	26.41
		12	6	20.29	20.47	23.39	20.30	20.33	23.33	26.37
		12	13	20.36	20.51	23.45	20.26	20.34	23.31	26.39
		25	0	20.38	20.51	23.46	20.44	20.35	23.41	26.44

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
10M	QPSK	1	0	22.91	23.04	25.99	22.79	22.52	25.67	28.84
		1	24	22.84	22.98	25.92	22.75	22.48	25.63	28.79
		1	49	22.85	22.95	25.91	22.78	22.51	25.66	28.80
		25	0	22.83	22.89	25.87	22.81	22.45	25.64	28.77
		25	12	22.85	22.87	25.87	22.75	22.47	25.62	28.76
		25	25	22.86	22.92	25.90	22.74	22.52	25.64	28.78
		50	0	22.81	22.93	25.88	22.85	22.51	25.69	28.80
	16QAM	1	0	22.68	22.81	25.76	22.59	22.30	25.46	28.62
		1	24	22.63	22.78	25.72	22.52	22.26	25.40	28.57
		1	49	22.65	22.74	25.71	22.58	22.35	25.48	28.60
		25	0	22.66	22.69	25.69	22.61	22.28	25.46	28.58
		25	12	22.64	22.65	25.66	22.53	22.26	25.41	28.54
		25	25	22.62	22.72	25.68	22.52	22.31	25.43	28.57
		50	0	22.58	22.68	25.64	22.62	22.29	25.47	28.57
	64QAM	1	0	22.65	22.81	25.74	22.54	22.23	25.40	28.58
		1	24	22.63	22.72	25.69	22.51	22.26	25.40	28.55
		1	49	22.61	22.69	25.66	22.52	22.29	25.42	28.55
		25	0	22.58	22.65	25.63	22.59	22.21	25.41	28.53
		25	12	22.65	22.62	25.65	22.52	22.20	25.37	28.52
		25	25	22.62	22.69	25.67	22.47	22.28	25.39	28.54
		50	0	22.59	22.71	25.66	22.58	22.22	25.41	28.55

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
10M	QPSK	1	0	22.86	22.92	25.90	22.81	22.57	25.70	28.81
		1	24	22.78	22.88	25.84	22.78	22.52	25.66	28.76
		1	49	22.82	22.84	25.84	22.75	22.49	25.63	28.75
		25	0	22.84	22.89	25.88	22.84	22.58	25.72	28.81
		25	12	22.91	22.91	25.92	22.77	22.46	25.63	28.79
		25	25	22.82	22.93	25.89	22.81	22.48	25.66	28.78
		50	0	22.89	22.82	25.87	22.85	22.52	25.70	28.79
	16QAM	1	0	22.64	22.72	25.69	22.62	22.38	25.51	28.61
		1	24	22.58	22.68	25.64	22.58	22.35	25.48	28.57
		1	49	22.63	22.65	25.65	22.55	22.29	25.43	28.55
		25	0	22.63	22.68	25.67	22.62	22.38	25.51	28.60
		25	12	22.69	22.67	25.69	22.58	22.25	25.43	28.57
		25	25	22.61	22.72	25.68	22.61	22.26	25.45	28.57
		50	0	22.65	22.63	25.65	22.63	22.34	25.50	28.58
	64QAM	1	0	22.61	22.63	25.63	22.55	22.35	25.46	28.56
		1	24	22.52	22.65	25.60	22.53	22.29	25.42	28.52
		1	49	22.55	22.61	25.59	22.52	22.25	25.40	28.51
		25	0	22.58	22.64	25.62	22.58	22.36	25.48	28.56
		25	12	22.67	22.67	25.68	22.52	22.25	25.40	28.55
		25	25	22.56	22.68	25.63	22.56	22.29	25.44	28.55
		50	0	22.64	22.52	25.59	22.64	22.31	25.49	28.55

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
10M	QPSK	1	0	22.82	22.91	25.88	22.77	22.52	25.66	28.78
		1	24	22.81	22.84	25.84	22.72	22.48	25.61	28.74
		1	49	22.76	22.88	25.83	22.68	22.53	25.62	28.73
		25	0	22.78	22.82	25.81	22.79	22.61	25.71	28.77
		25	12	22.82	22.78	25.81	22.82	22.52	25.68	28.76
		25	25	22.78	22.86	25.83	22.65	22.48	25.58	28.72
		50	0	22.81	22.91	25.87	22.77	22.55	25.67	28.78
	16QAM	1	0	22.59	22.68	25.65	22.58	22.35	25.48	28.57
		1	24	22.62	22.62	25.63	22.47	22.26	25.38	28.52
		1	49	22.55	22.67	25.62	22.48	22.31	25.41	28.53
		25	0	22.58	22.64	25.62	22.56	22.43	25.51	28.57
		25	12	22.63	22.58	25.62	22.63	22.29	25.47	28.56
		25	25	22.56	22.63	25.61	22.42	22.34	25.39	28.51
		50	0	22.61	22.69	25.66	22.57	22.33	25.46	28.57
	64QAM	1	0	22.54	22.65	25.61	22.52	22.31	25.43	28.53
		1	24	22.58	22.61	25.61	22.46	22.28	25.38	28.51
		1	49	22.51	22.61	25.57	22.42	22.26	25.35	28.47
		25	0	22.53	22.58	25.57	22.53	22.32	25.44	28.51
		25	12	22.56	22.52	25.55	22.56	22.28	25.43	28.50
		25	25	22.54	22.64	25.60	22.39	22.24	25.33	28.48
		50	0	22.56	22.65	25.62	22.52	22.32	25.43	28.53

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
10M	QPSK	1	0	22.77	22.91	25.85	22.62	22.42	25.53	28.70
		1	24	22.71	22.86	25.80	22.60	22.36	25.49	28.66
		1	49	22.74	22.80	25.78	22.63	22.34	25.50	28.65
		25	0	22.72	22.74	25.74	22.67	22.28	25.49	28.63
		25	12	22.73	22.70	25.73	22.65	22.32	25.50	28.62
		25	25	22.74	22.80	25.78	22.62	22.41	25.53	28.67
		50	0	22.69	22.77	25.74	22.70	22.35	25.54	28.65
	16QAM	1	0	22.57	22.73	25.66	22.40	22.21	25.32	28.50
		1	24	22.54	22.67	25.62	22.39	22.22	25.32	28.48
		1	49	22.54	22.58	25.57	22.41	22.14	25.29	28.44
		25	0	22.57	22.54	25.57	22.52	22.11	25.33	28.46
		25	12	22.56	22.49	25.54	22.48	22.16	25.33	28.45
		25	25	22.54	22.57	25.57	22.47	22.26	25.38	28.48
		50	0	22.48	22.58	25.54	22.50	22.15	25.34	28.45
	64QAM	1	0	22.52	22.65	25.60	22.36	22.18	25.28	28.45
		1	24	22.46	22.61	25.55	22.33	22.11	25.23	28.40
		1	49	22.49	22.54	25.53	22.35	22.08	25.23	28.39
		25	0	22.48	22.48	25.49	22.41	22.04	25.24	28.38
		25	12	22.48	22.45	25.48	22.37	22.08	25.24	28.37
		25	25	22.49	22.54	25.53	22.37	22.16	25.28	28.41
		50	0	22.44	22.51	25.49	22.43	22.09	25.27	28.39

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
10M	QPSK	1	0	22.74	22.76	25.76	22.64	22.45	25.56	28.67
		1	24	22.65	22.70	25.69	22.62	22.39	25.52	28.61
		1	49	22.70	22.71	25.72	22.57	22.32	25.46	28.60
		25	0	22.72	22.76	25.75	22.73	22.42	25.59	28.68
		25	12	22.80	22.76	25.79	22.61	22.32	25.48	28.65
		25	25	22.67	22.80	25.75	22.69	22.35	25.53	28.65
		50	0	22.79	22.68	25.75	22.69	22.37	25.54	28.66
	16QAM	1	0	22.58	22.54	25.57	22.44	22.30	25.38	28.49
		1	24	22.49	22.48	25.50	22.44	22.19	25.33	28.42
		1	49	22.55	22.53	25.55	22.37	22.15	25.27	28.42
		25	0	22.52	22.55	25.55	22.53	22.26	25.41	28.49
		25	12	22.58	22.55	25.58	22.44	22.14	25.30	28.45
		25	25	22.51	22.60	25.57	22.48	22.16	25.33	28.46
		50	0	22.61	22.46	25.55	22.50	22.17	25.35	28.46
	64QAM	1	0	22.49	22.51	25.51	22.40	22.20	25.31	28.42
		1	24	22.40	22.44	25.43	22.36	22.15	25.27	28.36
		1	49	22.45	22.45	25.46	22.32	22.06	25.20	28.34
		25	0	22.47	22.50	25.50	22.48	22.17	25.34	28.43
		25	12	22.55	22.51	25.54	22.35	22.06	25.22	28.39
		25	25	22.42	22.56	25.50	22.42	22.10	25.27	28.40
		50	0	22.54	22.44	25.50	22.45	22.12	25.30	28.41

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
10M	QPSK	1	0	22.70	22.78	25.75	22.64	22.34	25.50	28.64
		1	24	22.68	22.69	25.70	22.59	22.32	25.47	28.59
		1	49	22.62	22.71	25.68	22.54	22.39	25.48	28.59
		25	0	22.64	22.70	25.68	22.63	22.51	25.58	28.64
		25	12	22.67	22.68	25.69	22.71	22.40	25.57	28.64
		25	25	22.63	22.70	25.68	22.49	22.31	25.41	28.56
		50	0	22.70	22.80	25.76	22.64	22.41	25.54	28.66
	16QAM	1	0	22.53	22.61	25.58	22.46	22.20	25.34	28.47
		1	24	22.49	22.51	25.51	22.44	22.12	25.29	28.41
		1	49	22.43	22.50	25.48	22.33	22.18	25.27	28.38
		25	0	22.44	22.51	25.49	22.47	22.36	25.43	28.47
		25	12	22.48	22.47	25.49	22.51	22.26	25.40	28.45
		25	25	22.46	22.49	25.49	22.34	22.14	25.25	28.38
		50	0	22.55	22.63	25.60	22.49	22.21	25.36	28.49
	64QAM	1	0	22.46	22.52	25.50	22.38	22.09	25.25	28.39
		1	24	22.43	22.42	25.44	22.35	22.07	25.22	28.34
		1	49	22.37	22.45	25.42	22.28	22.14	25.22	28.33
		25	0	22.40	22.44	25.43	22.35	22.25	25.31	28.38
		25	12	22.43	22.41	25.43	22.44	22.16	25.31	28.38
		25	25	22.38	22.45	25.43	22.24	22.07	25.17	28.31
		50	0	22.45	22.53	25.50	22.37	22.16	25.28	28.40

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
15M	QPSK	1	0	22.89	22.96	25.94	22.88	22.63	25.77	28.86
		1	37	22.84	22.94	25.90	22.84	22.61	25.74	28.83
		1	74	22.82	22.93	25.89	22.86	22.57	25.73	28.82
		36	0	22.88	22.87	25.89	22.85	22.65	25.76	28.83
		36	19	22.85	22.85	25.86	22.88	22.56	25.73	28.81
		36	39	22.83	22.92	25.89	22.91	22.55	25.74	28.83
		75	0	22.81	22.97	25.90	22.82	22.64	25.74	28.83
	16QAM	1	0	22.72	22.74	25.74	22.68	22.43	25.57	28.66
		1	37	22.65	22.73	25.70	22.64	22.41	25.54	28.63
		1	74	22.61	22.75	25.69	22.64	22.39	25.53	28.62
		36	0	22.67	22.65	25.67	22.64	22.45	25.56	28.62
		36	19	22.66	22.64	25.66	22.68	22.36	25.53	28.61
		36	39	22.65	22.71	25.69	22.71	22.34	25.54	28.63
		75	0	22.59	22.75	25.68	22.68	22.42	25.56	28.63
	64QAM	1	0	22.63	22.65	25.65	22.55	22.38	25.48	28.57
		1	37	22.56	22.66	25.62	22.56	22.35	25.47	28.55
		1	74	22.54	22.64	25.60	22.61	22.29	25.46	28.54
		36	0	22.58	22.58	25.59	22.66	22.32	25.50	28.56
		36	19	22.52	22.55	25.55	22.58	22.28	25.44	28.50
		36	39	22.54	22.64	25.60	22.63	22.28	25.47	28.55
		75	0	22.54	22.65	25.61	22.52	22.35	25.45	28.54

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
15M	QPSK	1	0	22.85	23.02	25.95	22.84	22.58	25.72	28.85
		1	37	22.81	22.95	25.89	22.76	22.63	25.71	28.81
		1	74	22.84	22.92	25.89	22.78	22.54	25.67	28.79
		36	0	22.82	22.88	25.86	22.75	22.58	25.68	28.78
		36	19	22.88	22.91	25.91	22.82	22.52	25.68	28.81
		36	39	22.85	22.98	25.93	22.81	22.54	25.69	28.82
		75	0	22.83	23.00	25.93	22.79	22.51	25.66	28.81
	16QAM	1	0	22.65	22.81	25.74	22.65	22.42	25.55	28.66
		1	37	22.61	22.75	25.69	22.54	22.39	25.48	28.60
		1	74	22.64	22.72	25.69	22.58	22.36	25.48	28.60
		36	0	22.61	22.68	25.66	22.52	22.39	25.47	28.57
		36	19	22.65	22.70	25.69	22.57	22.34	25.47	28.59
		36	39	22.68	22.75	25.73	22.61	22.38	25.51	28.63
		75	0	22.63	22.77	25.71	22.55	22.39	25.48	28.61
	64QAM	1	0	22.56	22.72	25.65	22.56	22.30	25.44	28.56
		1	37	22.53	22.63	25.59	22.48	22.29	25.40	28.50
		1	74	22.58	22.68	25.64	22.51	22.28	25.41	28.54
		36	0	22.52	22.62	25.58	22.45	22.34	25.41	28.50
		36	19	22.61	22.63	25.63	22.52	22.28	25.41	28.53
		36	39	22.55	22.66	25.62	22.53	22.26	25.41	28.52
		75	0	22.54	22.69	25.63	22.55	22.27	25.42	28.54

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
15M	QPSK	1	0	22.84	23.04	25.95	22.79	22.55	25.68	28.83
		1	37	22.79	22.92	25.87	22.75	22.52	25.65	28.77
		1	74	22.81	22.94	25.89	22.74	22.58	25.67	28.79
		36	0	22.88	22.89	25.90	22.71	22.56	25.65	28.78
		36	19	22.78	22.87	25.84	22.78	22.68	25.74	28.80
		36	39	22.75	22.91	25.84	22.81	22.49	25.66	28.76
		75	0	22.77	22.84	25.82	22.77	22.47	25.63	28.74
	16QAM	1	0	22.64	22.82	25.74	22.58	22.33	25.47	28.62
		1	37	22.58	22.72	25.66	22.56	22.38	25.48	28.58
		1	74	22.62	22.74	25.69	22.51	22.35	25.44	28.58
		36	0	22.71	22.71	25.72	22.58	22.36	25.48	28.61
		36	19	22.61	22.68	25.66	22.56	22.41	25.50	28.59
		36	39	22.56	22.72	25.65	22.61	22.38	25.51	28.59
		75	0	22.58	22.63	25.62	22.55	22.25	25.41	28.53
	64QAM	1	0	22.56	22.76	25.67	22.52	22.26	25.40	28.55
		1	37	22.55	22.63	25.60	22.46	22.31	25.40	28.51
		1	74	22.51	22.67	25.60	22.45	22.22	25.35	28.49
		36	0	22.59	22.55	25.58	22.43	22.29	25.37	28.49
		36	19	22.49	22.58	25.55	22.51	22.38	25.46	28.51
		36	39	22.48	22.62	25.56	22.48	22.29	25.40	28.49
		75	0	22.52	22.55	25.55	22.56	22.24	25.41	28.49

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
15M	QPSK	1	0	22.77	22.84	25.82	22.76	22.50	25.64	28.74
		1	37	22.73	22.84	25.80	22.73	22.50	25.63	28.72
		1	74	22.69	22.82	25.77	22.70	22.44	25.58	28.69
		36	0	22.76	22.75	25.77	22.72	22.52	25.63	28.71
		36	19	22.70	22.74	25.73	22.77	22.44	25.62	28.69
		36	39	22.68	22.81	25.76	22.76	22.45	25.62	28.70
		75	0	22.70	22.82	25.77	22.68	22.49	25.60	28.69
	16QAM	1	0	22.64	22.68	25.67	22.58	22.36	25.48	28.59
		1	37	22.59	22.70	25.66	22.53	22.35	25.45	28.56
		1	74	22.56	22.62	25.60	22.51	22.31	25.42	28.52
		36	0	22.58	22.56	25.58	22.58	22.35	25.48	28.54
		36	19	22.56	22.53	25.56	22.61	22.33	25.48	28.53
		36	39	22.51	22.64	25.59	22.59	22.31	25.46	28.53
		75	0	22.55	22.66	25.62	22.52	22.39	25.47	28.55
	64QAM	1	0	22.51	22.54	25.54	22.51	22.24	25.39	28.47
		1	37	22.48	22.58	25.54	22.45	22.25	25.36	28.46
		1	74	22.41	22.53	25.48	22.42	22.19	25.32	28.41
		36	0	22.51	22.47	25.50	22.44	22.26	25.36	28.44
		36	19	22.43	22.49	25.47	22.51	22.20	25.37	28.43
		36	39	22.43	22.52	25.49	22.48	22.22	25.36	28.43
		75	0	22.45	22.56	25.52	22.42	22.22	25.33	28.43

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
15M	QPSK	1	0	22.74	22.91	25.84	22.72	22.48	25.61	28.74
		1	37	22.66	22.79	25.74	22.62	22.49	25.57	28.66
		1	74	22.69	22.80	25.76	22.66	22.42	25.55	28.67
		36	0	22.68	22.78	25.74	22.60	22.45	25.54	28.65
		36	19	22.73	22.78	25.77	22.66	22.40	25.54	28.67
		36	39	22.72	22.87	25.81	22.69	22.41	25.56	28.70
		75	0	22.69	22.87	25.79	22.67	22.40	25.55	28.68
	16QAM	1	0	22.55	22.76	25.67	22.55	22.31	25.44	28.57
		1	37	22.51	22.65	25.59	22.45	22.36	25.42	28.51
		1	74	22.56	22.66	25.62	22.47	22.26	25.38	28.51
		36	0	22.52	22.59	25.57	22.41	22.33	25.38	28.48
		36	19	22.58	22.56	25.58	22.47	22.22	25.36	28.48
		36	39	22.53	22.67	25.61	22.51	22.30	25.42	28.53
		75	0	22.55	22.71	25.64	22.48	22.29	25.40	28.53
	64QAM	1	0	22.50	22.63	25.58	22.44	22.21	25.34	28.47
		1	37	22.41	22.51	25.47	22.34	22.25	25.31	28.40
		1	74	22.44	22.53	25.50	22.40	22.19	25.31	28.41
		36	0	22.44	22.49	25.48	22.35	22.22	25.30	28.40
		36	19	22.48	22.52	25.51	22.40	22.17	25.30	28.42
		36	39	22.47	22.59	25.54	22.43	22.18	25.32	28.44
		75	0	22.42	22.60	25.52	22.40	22.12	25.27	28.41

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
15M	QPSK	1	0	22.72	22.90	25.82	22.67	22.42	25.56	28.70
		1	37	22.64	22.82	25.74	22.64	22.39	25.53	28.65
		1	74	22.71	22.83	25.78	22.59	22.47	25.54	28.67
		36	0	22.74	22.78	25.77	22.55	22.42	25.50	28.65
		36	19	22.65	22.73	25.70	22.68	22.54	25.62	28.67
		36	39	22.62	22.75	25.70	22.67	22.35	25.52	28.62
		75	0	22.63	22.70	25.68	22.61	22.34	25.49	28.59
	16QAM	1	0	22.56	22.72	25.65	22.55	22.28	25.43	28.55
		1	37	22.48	22.61	25.56	22.48	22.24	25.37	28.48
		1	74	22.58	22.60	25.60	22.44	22.33	25.40	28.51
		36	0	22.57	22.56	25.58	22.37	22.30	25.35	28.47
		36	19	22.45	22.50	25.49	22.52	22.38	25.46	28.48
		36	39	22.49	22.58	25.55	22.53	22.19	25.37	28.47
		75	0	22.43	22.47	25.46	22.42	22.18	25.31	28.40
	64QAM	1	0	22.47	22.62	25.56	22.42	22.17	25.31	28.44
		1	37	22.37	22.54	25.47	22.36	22.13	25.26	28.37
		1	74	22.45	22.58	25.53	22.33	22.20	25.28	28.41
		36	0	22.46	22.48	25.48	22.26	22.15	25.22	28.36
		36	19	22.39	22.46	25.44	22.42	22.29	25.37	28.41
		36	39	22.36	22.47	25.43	22.38	22.09	25.25	28.35
		75	0	22.39	22.42	25.42	22.35	22.10	25.24	28.34

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
20M	QPSK	1	0	22.86	23.06	25.97	22.95	22.58	25.78	28.89
		1	50	22.82	23.02	25.93	22.92	22.66	25.80	28.88
		1	99	22.80	22.95	25.89	22.89	22.64	25.78	28.84
		50	0	22.79	22.96	25.89	22.93	22.58	25.77	28.84
		50	25	22.78	22.95	25.88	22.84	22.56	25.71	28.81
		50	50	22.84	22.92	25.89	22.81	22.54	25.69	28.80
		100	0	22.82	22.91	25.88	22.85	22.52	25.70	28.80
	16QAM	1	0	22.61	22.82	25.73	22.69	22.34	25.53	28.64
		1	50	22.58	22.78	25.69	22.68	22.45	25.58	28.64
		1	99	22.56	22.74	25.66	22.65	22.42	25.55	28.61
		50	0	22.55	22.73	25.65	22.72	22.38	25.56	28.62
		50	25	22.57	22.70	25.65	22.61	22.36	25.50	28.58
		50	50	22.63	22.68	25.67	22.56	22.31	25.45	28.57
		100	0	22.58	22.71	25.66	22.62	22.29	25.47	28.57
	64QAM	1	0	22.55	22.76	25.67	22.64	22.28	25.47	28.58
		1	50	22.54	22.73	25.65	22.62	22.39	25.52	28.59
		1	99	22.56	22.71	25.65	22.58	22.35	25.48	28.57
		50	0	22.51	22.68	25.61	22.65	22.34	25.51	28.57
		50	25	22.53	22.65	25.60	22.56	22.35	25.47	28.54
		50	50	22.52	22.62	25.58	22.51	22.28	25.41	28.50
		100	0	22.54	22.65	25.61	22.54	22.26	25.41	28.52

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
20M	QPSK	1	0	22.83	23.04	25.95	22.96	22.61	25.80	28.88
		1	50	22.79	22.98	25.90	22.88	22.57	25.74	28.83
		1	99	22.80	22.92	25.87	22.84	22.50	25.68	28.79
		50	0	22.77	22.94	25.87	22.85	22.54	25.71	28.80
		50	25	22.78	22.91	25.86	22.90	22.59	25.76	28.82
		50	50	22.82	22.85	25.85	22.81	22.51	25.67	28.77
		100	0	22.77	22.88	25.84	22.92	22.55	25.75	28.80
	16QAM	1	0	22.58	22.78	25.69	22.72	22.34	25.54	28.63
		1	50	22.56	22.74	25.66	22.65	22.36	25.52	28.60
		1	99	22.59	22.68	25.65	22.58	22.28	25.44	28.56
		50	0	22.54	22.72	25.64	22.62	22.35	25.50	28.58
		50	25	22.58	22.69	25.65	22.65	22.34	25.51	28.59
		50	50	22.56	22.63	25.61	22.55	22.27	25.42	28.53
		100	0	22.53	22.64	25.60	22.68	22.31	25.51	28.56
	64QAM	1	0	22.52	22.69	25.62	22.68	22.28	25.49	28.57
		1	50	22.48	22.68	25.59	22.65	22.31	25.49	28.55
		1	99	22.56	22.64	25.61	22.52	22.26	25.40	28.52
		50	0	22.54	22.65	25.61	22.56	22.31	25.45	28.54
		50	25	22.52	22.66	25.60	22.64	22.35	25.51	28.56
		50	50	22.52	22.54	25.54	22.55	22.22	25.40	28.48
		100	0	22.51	22.63	25.58	22.62	22.28	25.46	28.53

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
20M	QPSK	1	0	22.79	22.96	25.89	22.94	22.63	25.80	28.85
		1	50	22.72	22.93	25.84	22.86	22.58	25.73	28.80
		1	99	22.77	22.89	25.84	22.91	22.52	25.73	28.80
		50	0	22.75	22.85	25.81	22.84	22.56	25.71	28.77
		50	25	22.74	22.87	25.82	22.82	22.48	25.66	28.75
		50	50	22.81	22.91	25.87	22.85	22.54	25.71	28.80
		100	0	22.72	22.85	25.80	22.79	22.55	25.68	28.75
	16QAM	1	0	22.57	22.72	25.66	22.71	22.43	25.58	28.63
		1	50	22.49	22.69	25.60	22.62	22.32	25.48	28.55
		1	99	22.52	22.65	25.60	22.65	22.28	25.48	28.55
		50	0	22.48	22.61	25.56	22.61	22.31	25.47	28.52
		50	25	22.56	22.63	25.61	22.55	22.29	25.43	28.53
		50	50	22.54	22.67	25.62	22.54	22.34	25.45	28.54
		100	0	22.48	22.62	25.56	22.58	22.30	25.45	28.52
	64QAM	1	0	22.52	22.62	25.58	22.65	22.33	25.50	28.55
		1	50	22.43	22.61	25.53	22.52	22.26	25.40	28.48
		1	99	22.45	22.59	25.53	22.58	22.21	25.41	28.48
		50	0	22.42	22.52	25.48	22.53	22.26	25.41	28.45
		50	25	22.48	22.54	25.52	22.46	22.25	25.37	28.45
		50	50	22.44	22.58	25.52	22.44	22.31	25.39	28.46
		100	0	22.44	22.54	25.50	22.51	22.22	25.38	28.45

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
20M	QPSK	1	0	22.74	22.92	25.84	22.83	22.46	25.66	28.76
		1	50	22.68	22.91	25.81	22.78	22.51	25.66	28.74
		1	99	22.66	22.81	25.75	22.74	22.51	25.64	28.70
		50	0	22.69	22.82	25.77	22.77	22.43	25.61	28.70
		50	25	22.64	22.84	25.75	22.69	22.45	25.58	28.68
		50	50	22.72	22.76	25.75	22.68	22.40	25.55	28.66
		100	0	22.67	22.77	25.73	22.72	22.36	25.55	28.65
	16QAM	1	0	22.54	22.74	25.65	22.63	22.26	25.46	28.57
		1	50	22.46	22.73	25.61	22.59	22.29	25.45	28.54
		1	99	22.46	22.62	25.55	22.55	22.29	25.43	28.50
		50	0	22.47	22.63	25.56	22.59	22.24	25.43	28.51
		50	25	22.48	22.65	25.58	22.49	22.24	25.38	28.49
		50	50	22.50	22.55	25.54	22.48	22.21	25.36	28.46
		100	0	22.45	22.56	25.52	22.54	22.16	25.36	28.45
	64QAM	1	0	22.49	22.66	25.59	22.59	22.19	25.40	28.51
		1	50	22.43	22.64	25.55	22.52	22.27	25.41	28.49
		1	99	22.40	22.53	25.48	22.46	22.24	25.36	28.43
		50	0	22.45	22.55	25.51	22.53	22.18	25.37	28.45
		50	25	22.39	22.60	25.51	22.43	22.17	25.31	28.42
		50	50	22.48	22.53	25.52	22.43	22.14	25.30	28.42
		100	0	22.41	22.50	25.47	22.46	22.11	25.30	28.39

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
20M	QPSK	1	0	22.70	22.89	25.81	22.81	22.51	25.67	28.75
		1	50	22.66	22.82	25.75	22.72	22.45	25.60	28.69
		1	99	22.66	22.82	25.75	22.74	22.34	25.55	28.66
		50	0	22.63	22.82	25.74	22.72	22.44	25.59	28.68
		50	25	22.65	22.77	25.72	22.79	22.49	25.65	28.70
		50	50	22.70	22.73	25.73	22.66	22.40	25.54	28.65
		100	0	22.63	22.76	25.71	22.76	22.39	25.59	28.66
	16QAM	1	0	22.49	22.67	25.59	22.62	22.29	25.47	28.54
		1	50	22.43	22.61	25.53	22.53	22.28	25.42	28.48
		1	99	22.49	22.60	25.56	22.54	22.11	25.34	28.46
		50	0	22.44	22.61	25.54	22.53	22.23	25.39	28.48
		50	25	22.42	22.58	25.51	22.59	22.30	25.46	28.49
		50	50	22.48	22.53	25.52	22.49	22.22	25.37	28.45
		100	0	22.44	22.56	25.51	22.55	22.17	25.37	28.45
	64QAM	1	0	22.47	22.66	25.58	22.56	22.29	25.44	28.52
		1	50	22.42	22.56	25.50	22.45	22.19	25.33	28.43
		1	99	22.43	22.54	25.50	22.49	22.07	25.30	28.41
		50	0	22.37	22.58	25.49	22.46	22.21	25.35	28.43
		50	25	22.41	22.52	25.48	22.54	22.24	25.40	28.45
		50	50	22.45	22.47	25.47	22.40	22.15	25.29	28.39
		100	0	22.40	22.51	25.47	22.51	22.17	25.35	28.42

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
				Chain 0	Chain 1	Total	Chain 0	Chain 1	Total	Total
20M	QPSK	1	0	22.67	22.85	25.77	22.79	22.48	25.65	28.72
		1	50	22.62	22.82	25.73	22.74	22.43	25.60	28.68
		1	99	22.65	22.73	25.70	22.78	22.41	25.61	28.67
		50	0	22.60	22.75	25.69	22.72	22.43	25.59	28.65
		50	25	22.61	22.73	25.68	22.70	22.35	25.54	28.62
		50	50	22.66	22.80	25.74	22.72	22.43	25.59	28.68
		100	0	22.60	22.72	25.67	22.64	22.42	25.54	28.62
	16QAM	1	0	22.48	22.65	25.58	22.59	22.27	25.44	28.52
		1	50	22.45	22.63	25.55	22.56	22.25	25.42	28.50
		1	99	22.44	22.53	25.50	22.57	22.24	25.42	28.47
		50	0	22.38	22.56	25.48	22.53	22.26	25.41	28.45
		50	25	22.41	22.52	25.48	22.49	22.17	25.34	28.42
		50	50	22.44	22.60	25.53	22.52	22.22	25.38	28.47
		100	0	22.40	22.53	25.48	22.43	22.19	25.32	28.41
	64QAM	1	0	22.40	22.58	25.50	22.52	22.24	25.39	28.46
		1	50	22.37	22.59	25.49	22.50	22.20	25.36	28.44
		1	99	22.41	22.49	25.46	22.53	22.14	25.35	28.42
		50	0	22.34	22.48	25.42	22.48	22.16	25.33	28.39
		50	25	22.34	22.48	25.42	22.44	22.08	25.27	28.36
		50	50	22.41	22.54	25.49	22.47	22.15	25.32	28.42
		100	0	22.37	22.46	25.43	22.38	22.18	25.29	28.37

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)	Limit (dBm)	Margin (dB)
1	2502.50	26.64	-11.08	40.79	**29.71**	33.00	-3.29

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	26.54	-11.12	40.77	29.65	33.00	-3.35

MODE		TX channel 40365					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2567.50	26.53	-11.17	40.85	29.68	33.00	-3.32

MODE		TX channel 40915					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2622.50	26.32	-11.57	41.14	29.57	33.00	-3.43

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	26.10	-11.80	41.23	29.43	33.00	-3.57

MODE		TX channel 41565					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2687.50	26.10	-11.44	40.96	29.52	33.00	-3.48

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)	Limit (dBm)	Margin (dB)
1	2505.00	28.12	-9.60	40.80	31.20	33.00	-1.80

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	28.06	-9.60	40.77	31.17	33.00	-1.83

MODE		TX channel 40340					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2565.00	27.99	-9.70	40.84	31.14	33.00	-1.86

MODE		TX channel 40940					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2625.00	28.22	-9.69	41.16	**31.47**	33.00	-1.53

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	28.06	-9.84	41.23	31.39	33.00	-1.61

MODE		TX channel 41540					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2685.00	28.00	-9.57	40.98	31.41	33.00	-1.59

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)	Limit (dBm)	Margin (dB)
1	2507.50	29.01	-8.70	40.79	**32.09**	33.00	-0.91

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	28.92	-8.74	40.77	32.03	33.00	-0.97

MODE		TX channel 40315					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2562.50	28.91	-8.77	40.83	32.06	33.00	-0.94

MODE		TX channel 40965					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2627.50	28.40	-9.51	41.17	31.66	33.00	-1.34

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	28.29	-9.61	41.23	31.62	33.00	-1.38

MODE		TX channel 41515					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2682.50	28.23	-9.38	41.01	31.63	33.00	-1.37

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)	Limit (dBm)	Margin (dB)
1	2510.00	28.80	-8.91	40.79	**31.88**	33.00	-1.12

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	28.75	-8.91	40.77	31.86	33.00	-1.14

MODE		TX channel 40290					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2560.00	28.68	-8.99	40.81	31.82	33.00	-1.18

MODE		TX channel 40990					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2630.00	28.54	-9.37	41.18	31.81	33.00	-1.19

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	28.42	-9.48	41.23	31.75	33.00	-1.25

MODE		TX channel 41490					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2680.00	28.38	-9.24	41.02	31.78	33.00	-1.22

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)	Limit (dBm)	Margin (dB)
1	2502.50	26.55	-11.17	40.79	29.62	33.00	-3.38

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	28.54	-11.12	40.77	**29.65**	33.00	-3.35

MODE		TX channel 40365					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2567.50	26.43	-11.27	40.85	29.58	33.00	-3.42

MODE		TX channel 40915					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2622.50	26.25	-11.64	41.14	29.50	33.00	-3.50

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	26.19	-11.71	41.23	29.52	33.00	-3.48

MODE		TX channel 41565					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2687.50	26.11	-11.43	40.96	29.53	33.00	-3.47

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)	Limit (dBm)	Margin (dB)
1	2505.00	27.98	-9.74	40.80	31.06	33.00	-1.94

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	28.01	-9.65	40.77	31.12	33.00	-1.88

MODE		TX channel 40340					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2565.00	27.95	-9.74	40.84	31.10	33.00	-1.90

MODE		TX channel 40940					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2625.00	28.15	-9.76	41.16	**31.40**	33.00	-1.60

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	28.03	-9.87	41.23	31.36	33.00	-1.64

MODE		TX channel 41540					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2685.00	27.97	-9.60	40.98	31.38	33.00	-1.62

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)	Limit (dBm)	Margin (dB)
1	2507.50	28.86	-8.85	40.79	31.94	33.00	-1.06

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	28.84	-8.82	40.77	**31.95**	33.00	-1.05

MODE		TX channel 40315					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2562.50	28.77	-8.91	40.83	31.92	33.00	-1.08

MODE		TX channel 40965					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2627.50	28.32	-9.59	41.17	31.58	33.00	-1.42

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	28.27	-9.63	41.23	31.60	33.00	-1.40

MODE		TX channel 41515					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2682.50	28.14	-9.47	41.01	31.54	33.00	-1.46

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)	Limit (dBm)	Margin (dB)
1	2510.00	28.73	-8.98	40.79	**31.81**	33.00	-1.19

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	28.63	-9.03	40.77	31.74	33.00	-1.26

MODE		TX channel 40290					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2560.00	28.64	-9.03	40.81	31.78	33.00	-1.22

MODE		TX channel 40990					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2630.00	28.50	-9.41	41.18	31.77	33.00	-1.23

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	28.38	-9.52	41.23	31.71	33.00	-1.29

MODE		TX channel 41490					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2680.00	28.33	-9.29	41.02	31.73	33.00	-1.27

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)	Limit (dBm)	Margin (dB)
1	2502.50	25.56	-11.16	40.79	29.63	33.00	-3.37

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	26.49	-11.17	40.77	29.60	33.00	-3.40

MODE		TX channel 40365					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2567.50	26.49	-11.21	40.85	**29.64**	33.00	-3.36

MODE		TX channel 40915					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2622.50	26.13	-11.76	41.14	29.38	33.00	-3.62

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	26.09	-1181	41.23	29.42	33.00	-3.58

MODE		TX channel 41565					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2687.50	25.98	-11.56	40.96	29.40	33.00	-3.60

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)	Limit (dBm)	Margin (dB)
1	2505.00	28.03	-9.69	40.80	31.11	33.00	-1.89

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	27.98	-9.68	40.77	31.09	33.00	-1.91

MODE		TX channel 40340					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2565.00	28.00	-9.69	40.84	31.15	33.00	-1.85

MODE		TX channel 40940					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2625.00	28.14	-9.77	41.16	31.39	33.00	-1.61

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	28.02	-9.88	41.23	31.35	33.00	-1.65

MODE		TX channel 41540					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2685.00	28.00	-9.57	40.98	**31.41**	33.00	-1.59

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)	Limit (dBm)	Margin (dB)
1	2507.50	28.75	-8.96	40.79	31.83	33.00	-1.17

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	28.66	-9.00	40.77	31.77	33.00	-1.23

MODE		TX channel 40315					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2562.50	28.75	-8.93	40.83	**31.90**	33.00	-1.10

MODE		TX channel 40965					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2627.50	28.29	-9.62	41.17	31.55	33.00	-1.45

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	28.28	-9.62	41.23	31.61	33.00	-1.39

MODE		TX channel 41515					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2682.50	28.13	-9.48	41.01	31.53	33.00	-1.47

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)	Limit (dBm)	Margin (dB)
1	2510.00	28.64	-9.07	40.79	31.72	33.00	-1.28

MODE		TX channel 40040					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2535.00	28.58	-9.08	40.77	31.69	33.00	-1.31

MODE		TX channel 40290					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2560.00	28.62	-9.05	40.81	**31.76**	33.00	-1.24

MODE		TX channel 40990					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2630.00	28.39	-9.52	41.18	31.66	33.00	-1.34

MODE		TX channel 41240					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2655.00	28.36	-9.54	41.23	31.69	33.00	-1.31

MODE		TX channel 41490					
Test Distance: 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2680.00	28.25	-9.37	41.02	31.65	33.00	-1.35

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

4.2 Modulation Characteristics Measurement

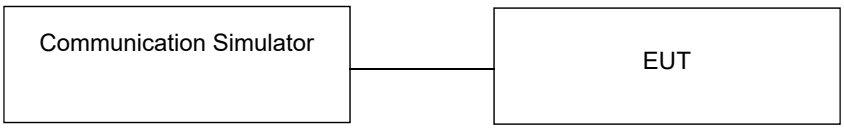
4.2.1 Limits of Modulation Characteristics

N/A

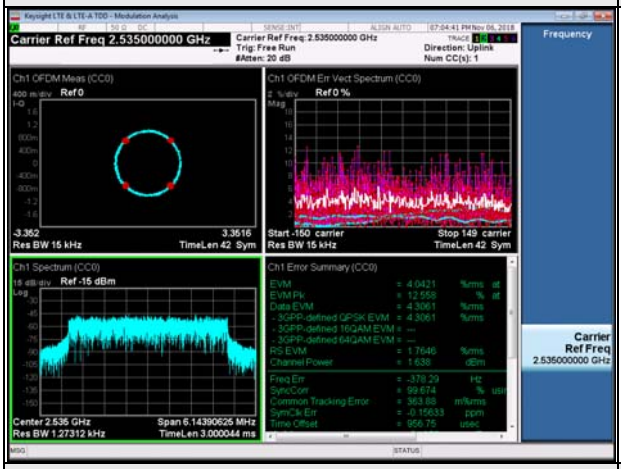
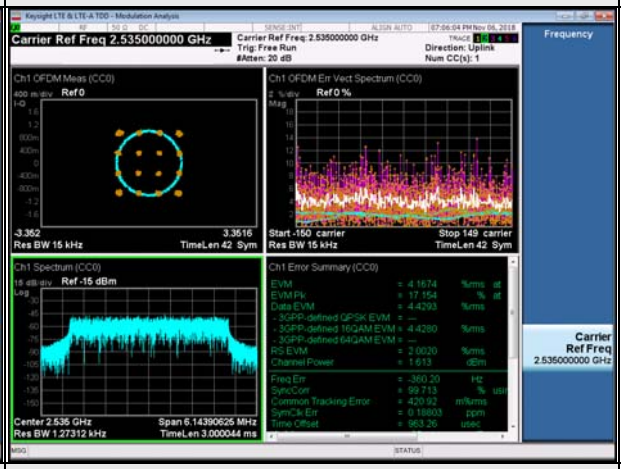
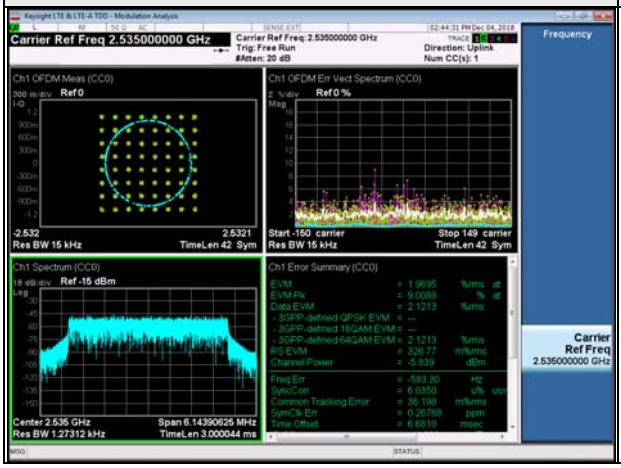
4.2.2 Test Procedure

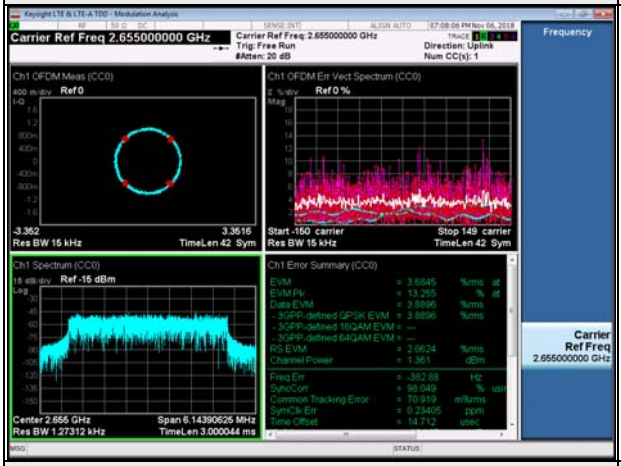
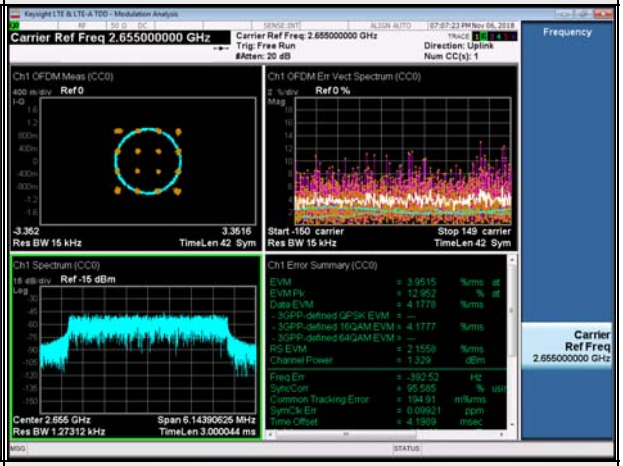
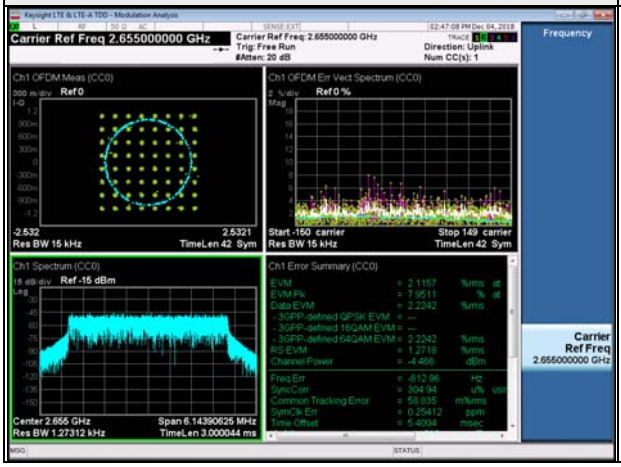
Connect the EUT to Communication Simulator via the antenna connector, the frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

4.2.3 Test Setup



4.2.4 Test Results

LTE Band 41	
Spectrum Plot of Measurement Value	
Channel: 40040 / Frequency (MHz): 2535.0MHz	
Channel Bandwidth: QPSK	Channel Bandwidth: 16QAM
	
Channel Bandwidth: 64QAM	
	

LTE Band 41	
Spectrum Plot of Measurement Value	
Channel: 41240 / Frequency (MHz): 2655.0MHz	
Channel Bandwidth: QPSK	Channel Bandwidth: 16QAM
	
Channel Bandwidth: 64QAM	
	

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℃ ~ 75℃.

4.3.2 Test Procedure

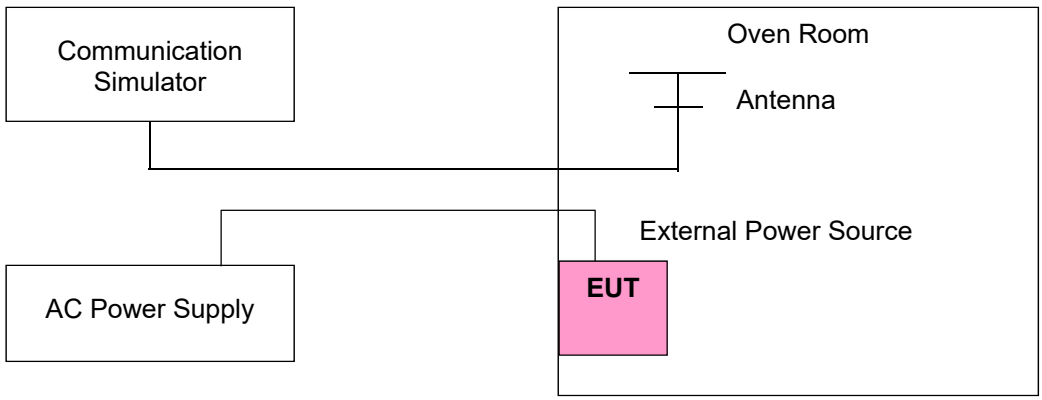
a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.

b. 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.

c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5 ℃ 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	0.0145956607	2.5
120	0.0181459567	2.5
138	0.0122287969	2.5

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

Frequency Error vs. Temperature

Temperature (℃)	Frequency Error (ppm)	Limit (ppm)
75	0.0130177514	2.5
70	0.0118343196	2.5
60	0.0138067061	2.5
50	0.0169625247	2.5
40	0.0106508876	2.5
30	0.0134122289	2.5
20	0.0157790927	2.5
10	0.0149901381	2.5
0	0.0086785011	2.5
-10	0.0122287969	2.5
-20	0.0130177514	2.5
-30	0.0114398421	2.5

Channel: 41240 / Frequency (MHz): 2655.0MHz

Frequency Error vs. Voltage

Voltage (Volts)	Frequency Error (ppm)	Limit (ppm)
102	0.0154425611	2.5
120	0.0180790960	2.5
138	0.0139359698	2.5

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

Frequency Error vs. Temperature

Temperature (℃)	Frequency Error (ppm)	Limit (ppm)
75	0.0146892655	2.5
70	0.0120527307	2.5
60	0.0128060264	2.5
50	0.0173258004	2.5
40	0.0161958569	2.5
30	0.0120527307	2.5
20	0.0177024482	2.5
10	0.0116760829	2.5
0	0.0131826742	2.5
-10	0.0120527307	2.5
-20	0.0128060264	2.5
-30	0.0120527307	2.5

4.4 Emission Bandwidth Measurement

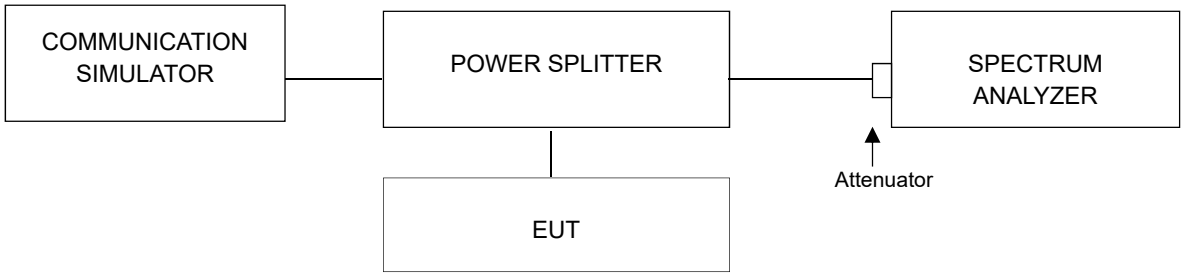
4.4.1 Limits of Emission Bandwidth Measurement

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

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	4.941	4.922	4.907	4.912	4.908	4.909	4.957	4.953	4.842	4.850	4.902	4.924
40040	2535.0	4.913	4.943	4.917	4.928	4.919	4.907	4.948	4.976	4.863	4.830	4.890	4.873
40365	2567.5	4.930	4.908	4.929	4.909	4.903	4.872	4.953	4.894	4.871	4.877	4.903	4.874
40915	2622.5	4.906	4.901	4.907	4.912	4.940	4.927	4.920	4.915	4.876	4.897	4.878	4.883
41240	2655.0	4.918	4.955	4.953	4.935	4.949	4.925	4.936	4.953	4.900	4.900	4.891	4.899
41565	2687.5	4.940	4.940	4.949	4.928	4.947	4.923	4.922	4.938	4.936	4.865	4.889	4.908
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	9.537	9.540	9.541	9.554	9.514	9.523	9.512	9.511	9.494	9.513	9.492	9.503
40040	2535.0	9.524	9.528	9.518	9.517	9.499	9.545	9.532	9.512	9.503	9.519	9.499	9.491
40340	2565.0	9.550	9.513	9.549	9.515	9.519	9.513	9.523	9.515	9.514	9.498	9.511	9.493
40940	2625.0	9.516	9.550	9.508	9.544	9.510	9.514	9.513	9.528	9.505	9.509	9.502	9.500
41240	2655.0	9.530	9.539	9.545	9.546	9.536	9.537	9.521	9.549	9.518	9.504	9.490	9.495
41540	2685.0	9.537	9.567	9.568	9.527	9.561	9.543	9.553	9.537	9.522	9.530	9.523	9.519
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	14.22	14.23	14.23	14.23	14.25	14.25	14.24	14.24	14.24	14.26	14.24	14.24
40040	2535.0	14.23	14.24	14.23	14.22	14.22	14.25	14.23	14.25	14.24	14.28	14.26	14.24
40315	2562.5	14.21	14.23	14.23	14.23	14.26	14.25	14.24	14.25	14.24	14.25	14.25	14.26
40965	2627.5	14.20	14.23	14.22	14.23	14.24	14.25	14.24	14.24	14.25	14.25	14.24	14.23
41240	2655.0	14.23	14.23	14.23	14.22	14.25	14.25	14.24	14.23	14.24	14.24	14.24	14.24
41515	2682.5	14.21	14.21	14.22	14.22	14.23	14.25	14.26	14.24	14.25	14.26	14.24	14.26
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	19.01	19.00	19.01	19.00	19.03	19.01	19.02	19.00	19.00	19.01	19.01	19.01
40040	2535.0	19.01	19.01	19.00	18.99	19.02	19.01	19.01	19.02	19.01	18.99	19.01	19.00
40290	2560.0	19.01	19.00	18.99	19.01	19.00	19.01	19.00	18.99	19.00	19.00	18.99	18.99
40990	2630.0	19.00	19.00	19.00	18.99	19.02	19.01	19.04	19.03	19.00	19.00	19.00	19.01
41240	2655.0	19.01	19.01	19.00	19.00	19.04	19.03	19.01	19.05	19.03	19.02	19.02	19.01
41490	2680.0	18.99	19.00	18.99	19.02	19.02	19.02	19.00	19.03	19.00	19.00	19.01	19.01

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	4.5007	4.5002	4.4919	4.4923	4.4894	4.4899	4.5040	4.5024	4.5035	4.4923	4.5004	4.5010
40040	2535.0	4.5021	4.4969	4.4909	4.4908	4.4891	4.4893	4.4997	4.5036	4.4917	4.4954	4.4937	4.5022
40365	2567.5	4.4987	4.4994	4.4911	4.4925	4.4897	4.4908	4.4992	4.5044	4.4935	4.4953	4.4995	4.4982
40915	2622.5	4.4956	4.4896	4.4925	4.4924	4.5022	4.5007	4.5019	4.5042	4.4972	4.5048	4.5009	4.4999
41240	2655.0	4.4943	4.4920	4.4945	4.4935	4.5002	4.5027	4.5033	4.5035	4.5016	4.5002	4.5048	4.5021
41565	2687.5	4.4912	4.4911	4.4934	4.4928	4.5038	4.5026	4.5025	4.5008	4.5007	4.4949	4.4986	4.5023
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	8.9734	8.9733	8.9716	8.9736	8.9629	8.9638	8.9662	8.9604	8.9646	8.9654	8.9656	8.9621
40040	2535.0	8.9700	8.9765	8.9763	8.9734	8.9648	8.9640	8.9650	8.9592	8.9643	8.9655	8.9600	8.9674
40340	2565.0	8.9720	8.9719	8.9766	8.9672	8.9568	8.9617	8.9608	8.9622	8.9612	8.9638	8.9600	8.9632
40940	2625.0	8.9689	8.9745	8.9736	8.9710	8.9590	8.9663	8.9615	8.9611	8.9673	8.9681	8.9657	8.9666
41240	2655.0	8.9741	8.9743	8.9750	8.9747	8.9659	8.9645	8.9633	8.9589	8.9667	8.9679	8.9638	8.9689
41540	2685.0	8.9732	8.9658	9.9646	8.9672	8.9604	8.9631	8.9605	8.9611	8.9661	8.9650	8.9658	8.9625
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	13.435	13.446	13.450	13.448	13.466	13.455	13.453	13.458	13.466	13.477	13.474	13.471
40040	2535.0	13.434	13.447	13.445	13.449	13.462	13.457	13.451	13.456	13.458	13.471	13.470	13.469
40315	2562.5	13.429	13.436	13.434	13.436	13.452	13.453	13.447	13.449	13.455	13.471	13.460	13.470
40965	2627.5	13.442	13.447	13.453	13.446	13.460	13.463	13.460	13.455	13.452	13.456	13.455	13.455
41240	2655.0	13.450	13.446	13.449	13.451	13.466	13.464	13.460	13.458	13.460	13.465	13.458	13.465
41515	2682.5	13.427	13.432	13.433	13.433	13.449	13.450	13.450	13.452	13.449	13.440	13.447	13.451
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	17.948	17.936	17.936	17.933	17.974	17.965	17.957	17.961	17.964	17.953	17.960	17.964
40040	2535.0	17.941	17.933	17.935	17.938	17.967	17.964	17.960	17.968	17.962	17.956	17.957	17.964
40290	2560.0	17.934	17.921	17.925	17.915	17.946	17.947	17.948	17.952	17.944	17.951	17.947	17.942
40990	2630.0	17.928	17.932	17.935	17.929	17.944	17.941	17.947	17.943	17.943	17.948	17.942	17.943
41240	2655.0	17.948	17.955	17.937	17.948	17.952	17.958	17.959	17.957	17.962	17.963	17.961	17.958
41490	2680.0	17.907	17.914	17.910	17.914	17.921	17.919	17.925	17.925	17.922	17.926	17.925	17.921

26dBc Bandwidth	
Spectrum Plot of Worst Value	
5MHz / 16QAM	10MHz / QPSK
	
15MHz / 64QAM	20MHz / 16QAM
	

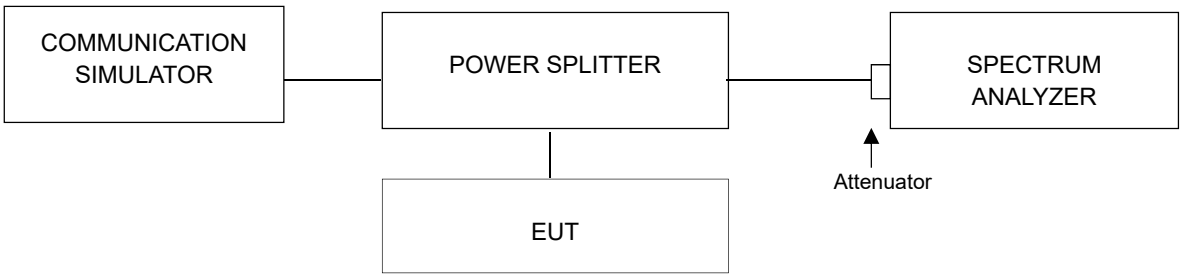
Occupied Bandwidth	
Spectrum Plot of Worst Value	
5MHz / 64QAM	10MHz / QPSK
	
15MHz / 64QAM	20MHz / 16QAM
	

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

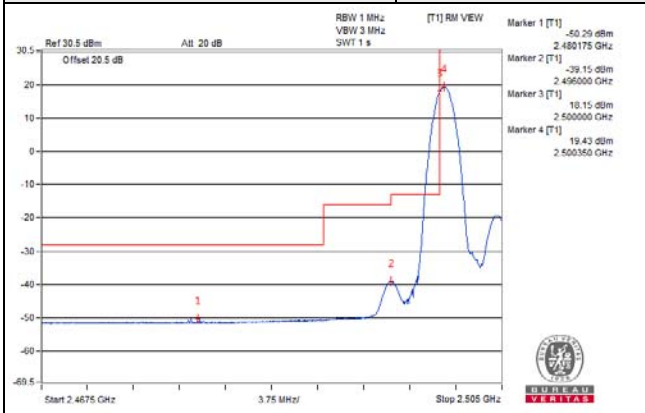
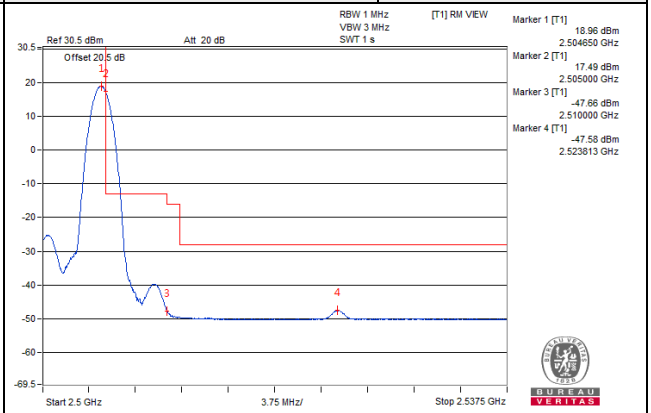
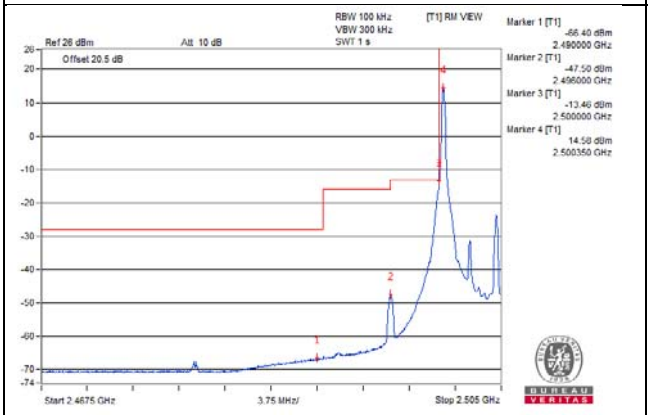
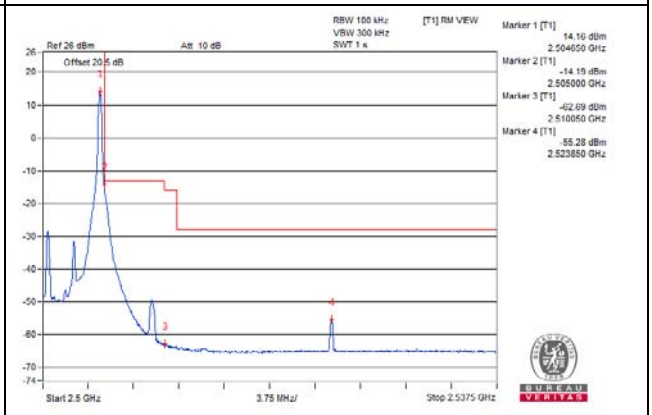
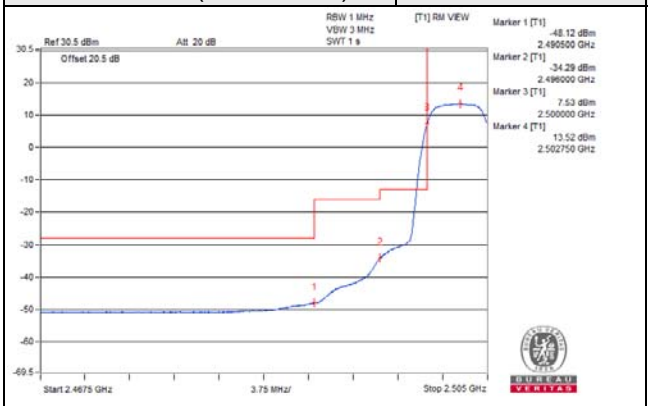
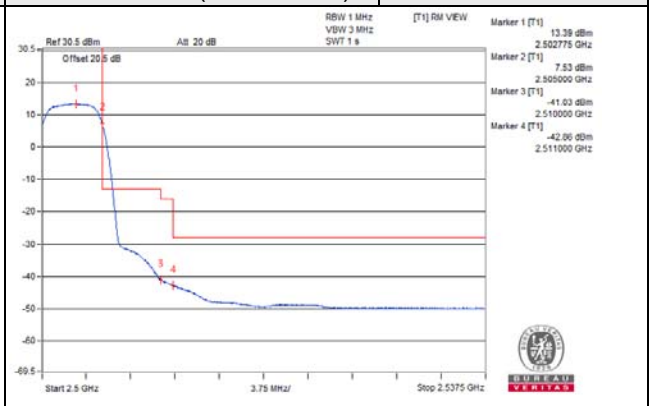
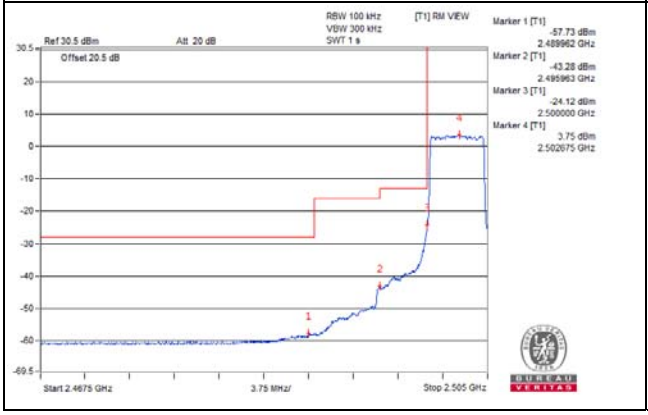
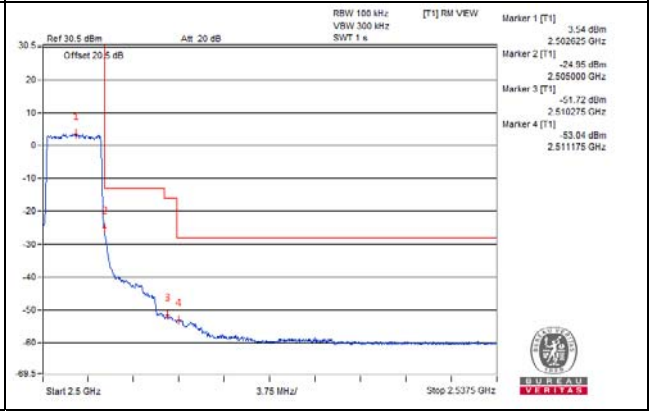
a. The EUT was set up for the rated peak power. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels: low, middle and high operational frequency range.

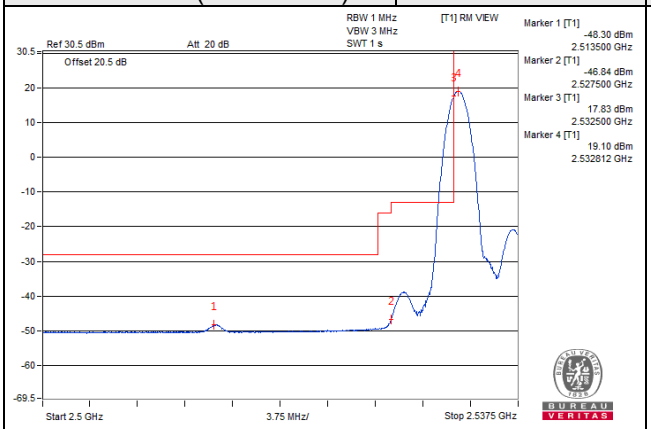
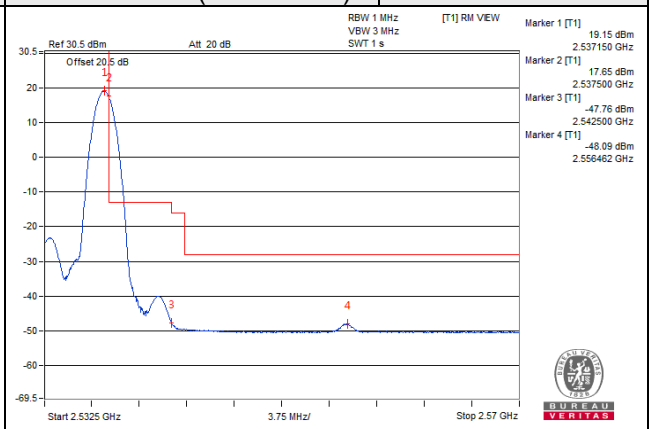
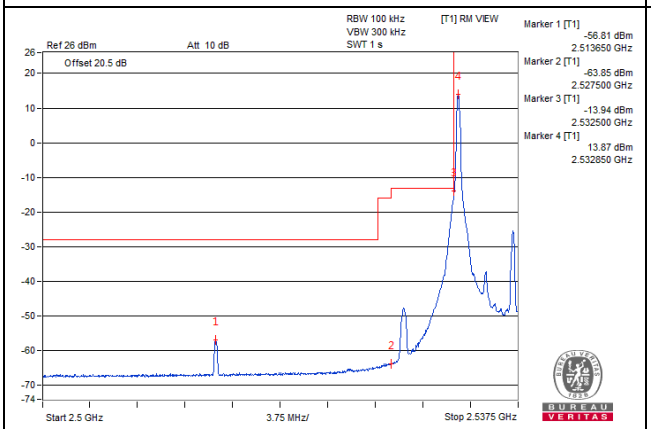
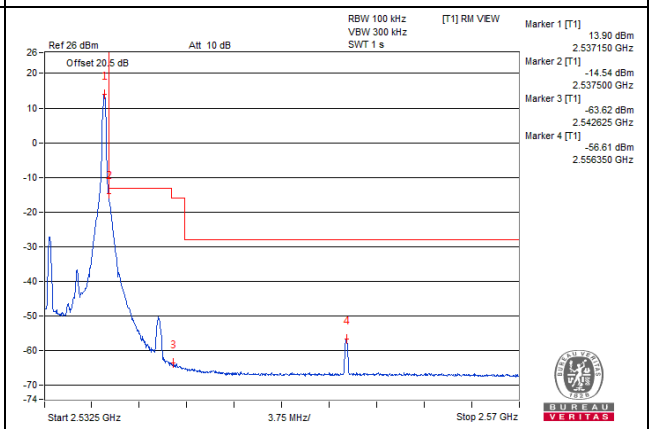
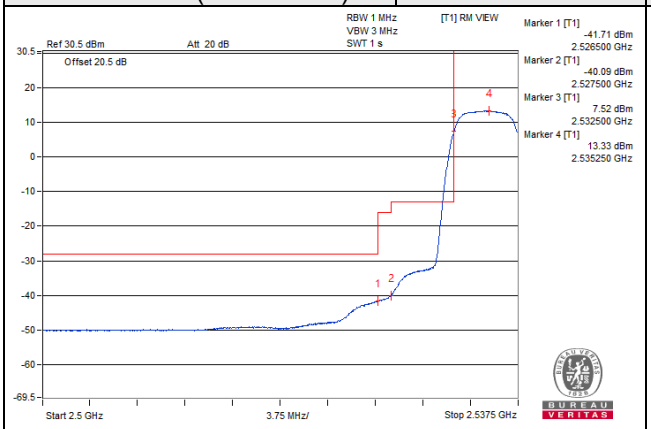
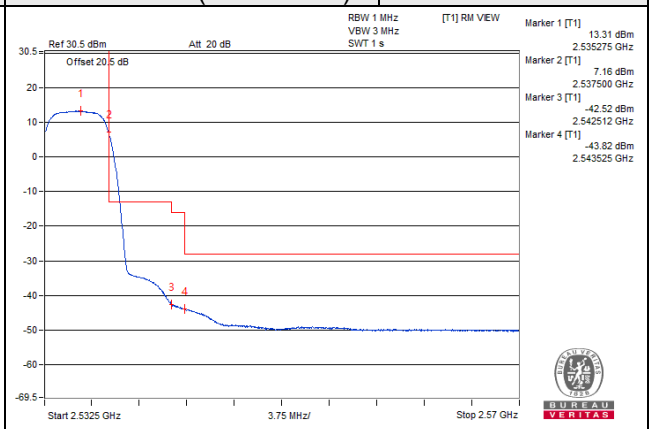
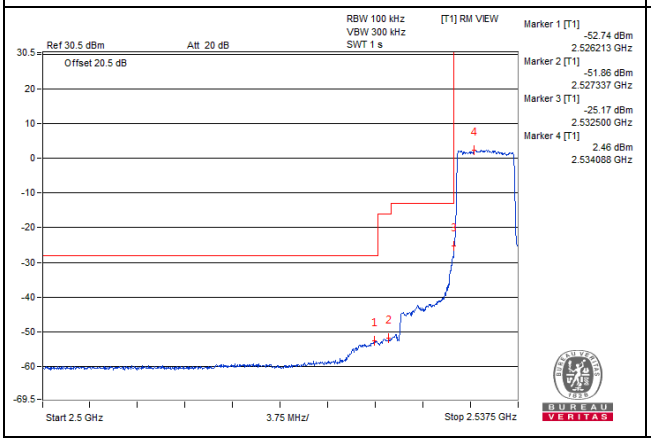
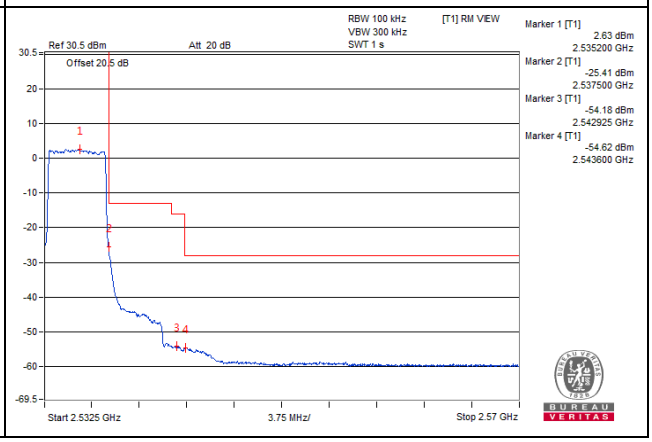
b. b.The center frequency of spectrum is the band edge frequency and span is 1.5MHz. RBW = 100kHz and VBW = 300kHz (Channel Bandwidth: 5MHz), RBW = 200kHz and VBW = 620kHz (Channel Bandwidth: 10MHz), RBW = 300kHz and VBW = 910kHz (Channel Bandwidth: 15MHz) and RBW = 430kHz and VBW = 1.3MHz (Channel Bandwidth: 20MHz).

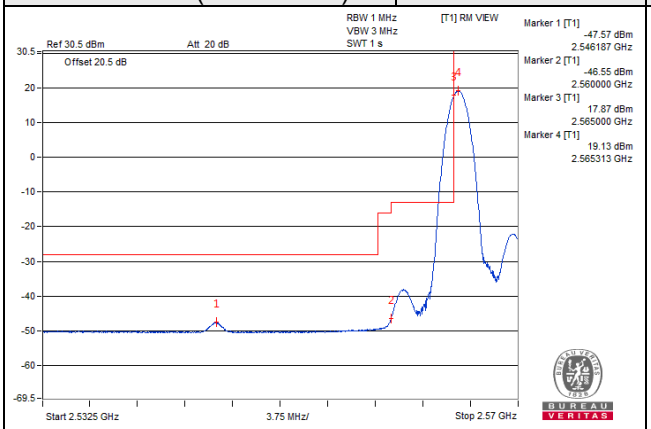
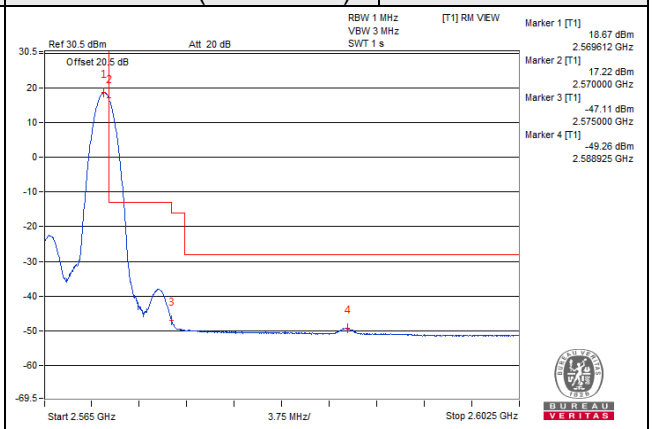
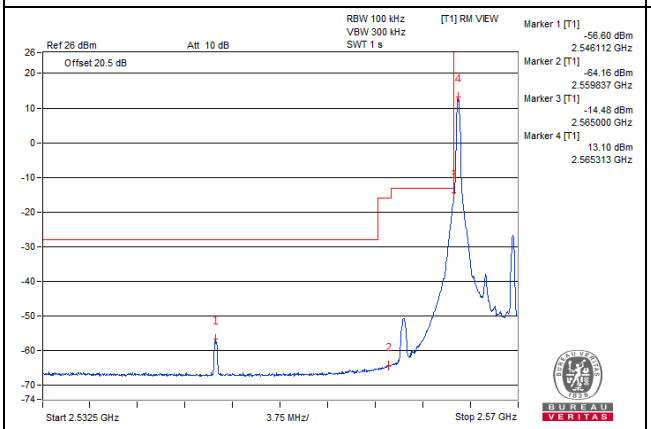
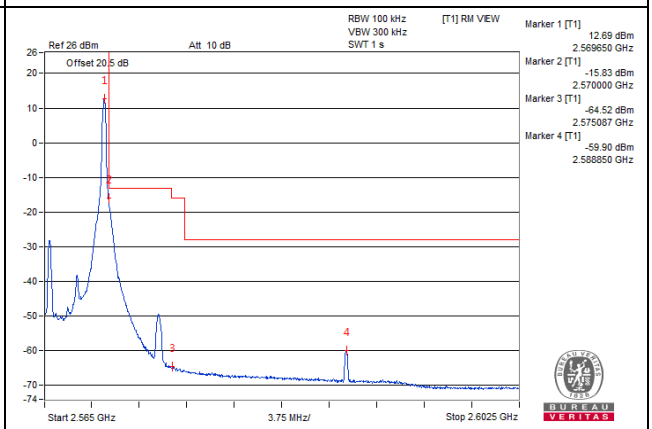
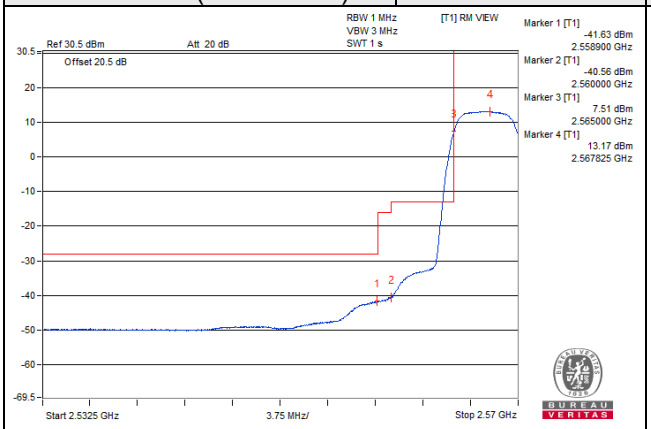
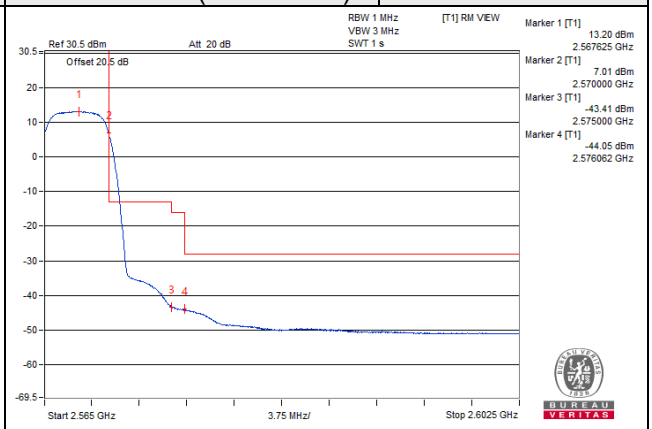
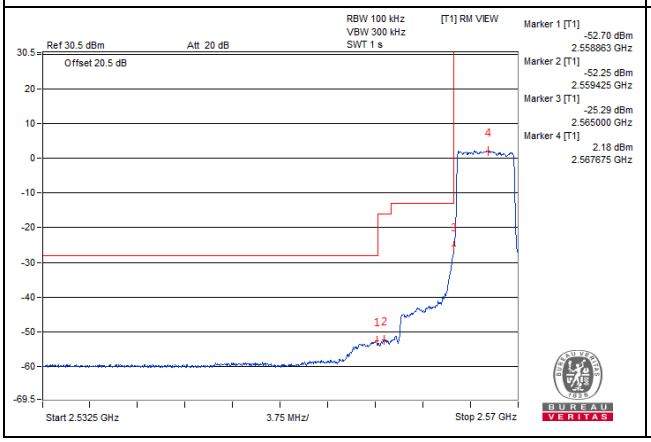
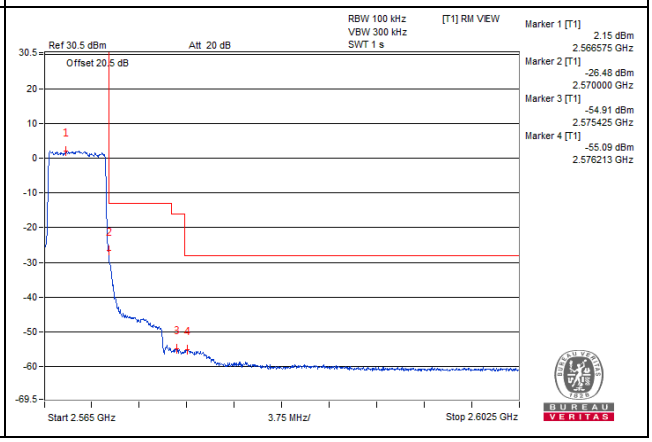
c. Record the max trace plot into the test report.

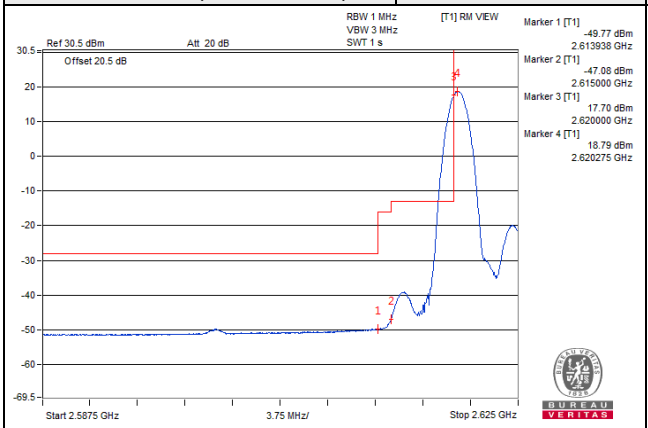
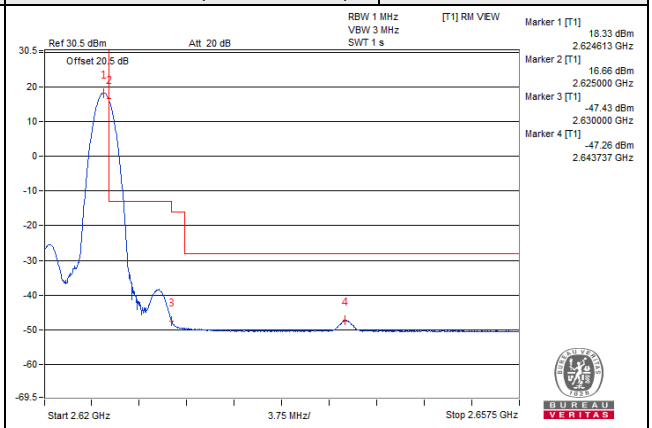
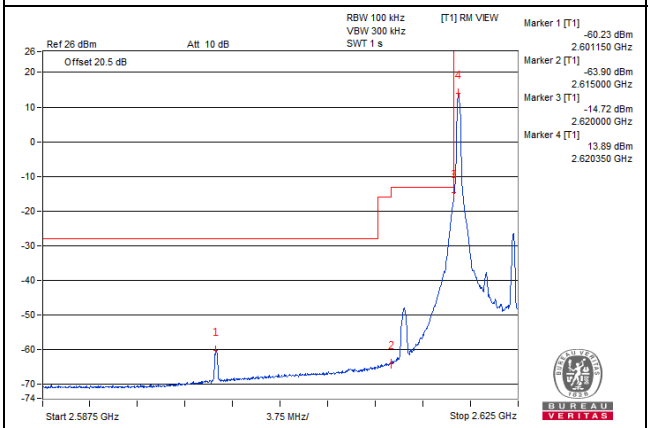
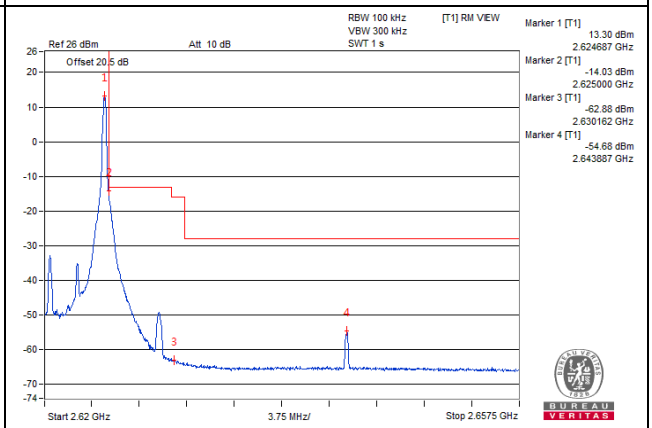
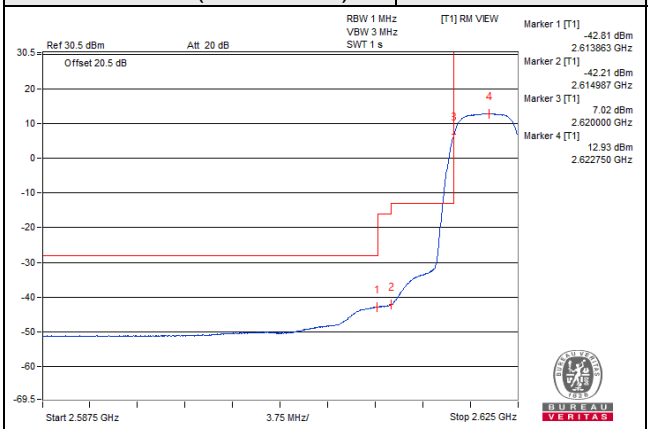
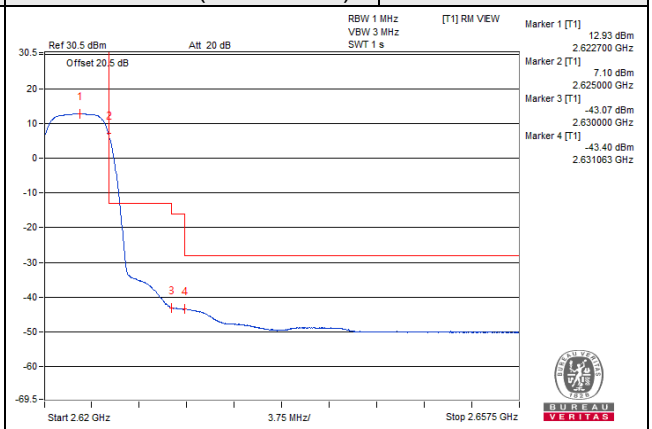
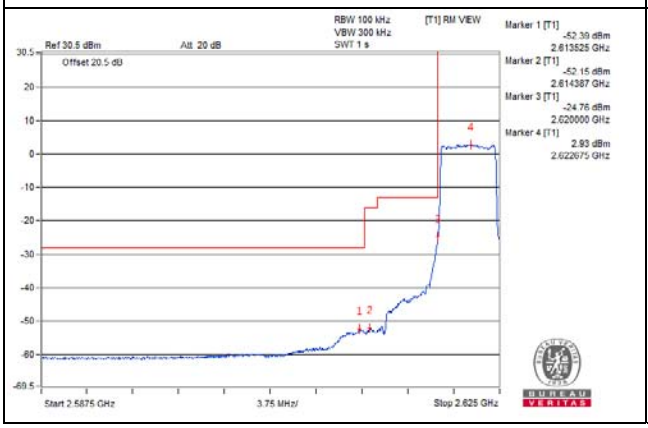
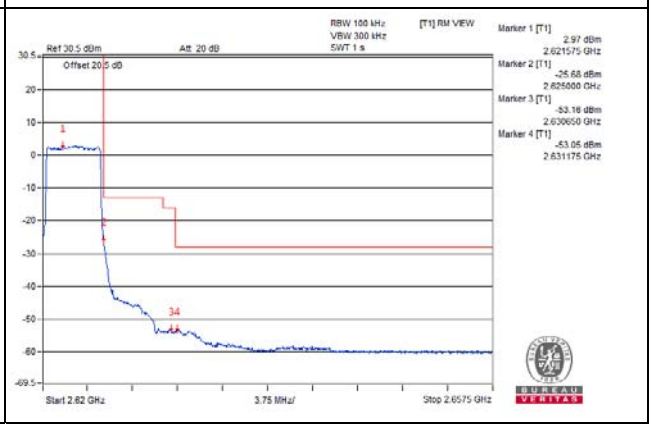
4.5.4 Test Results

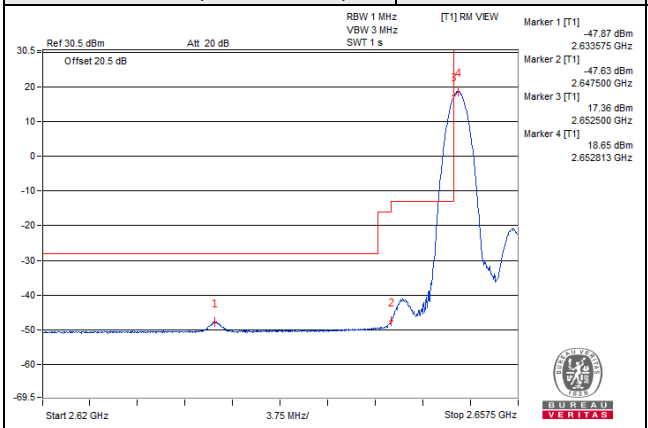
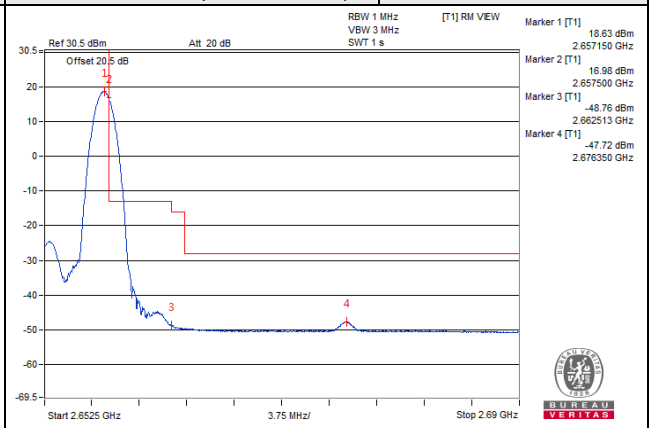
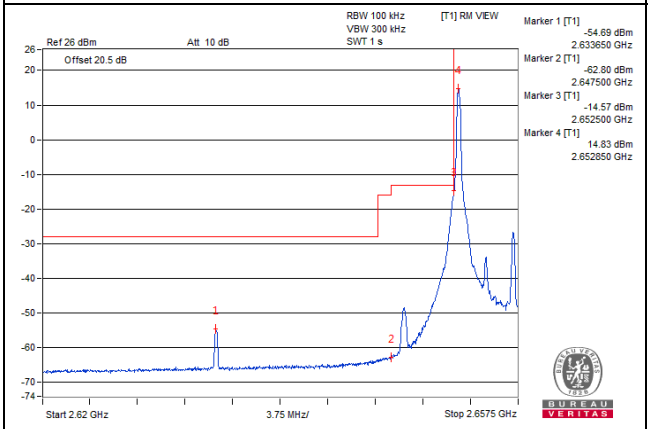
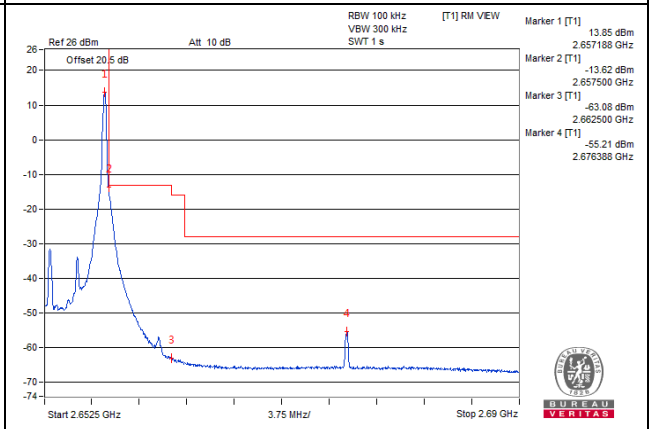
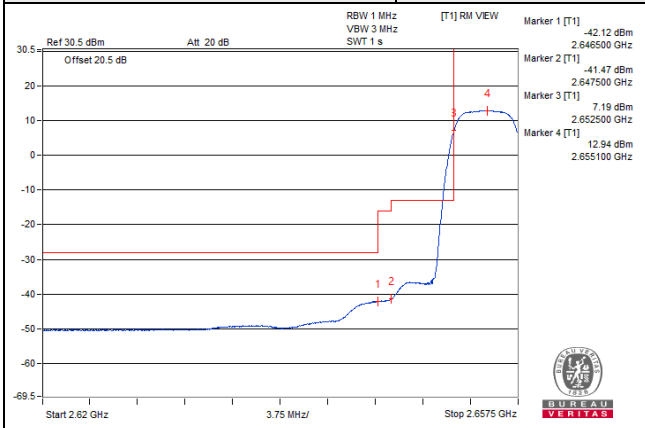
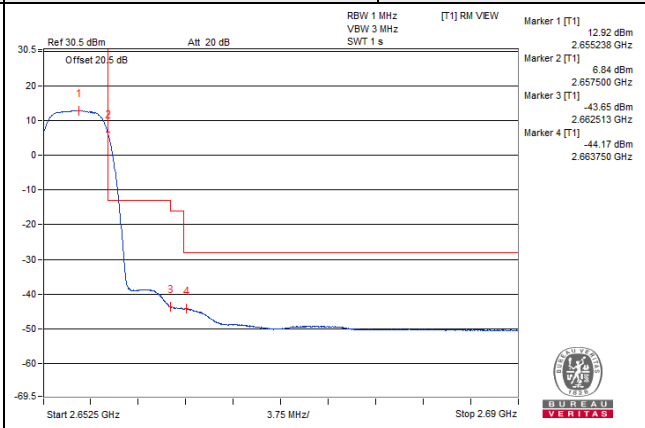
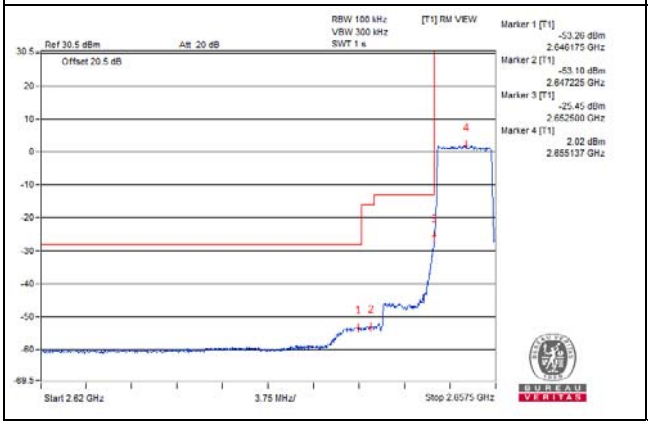
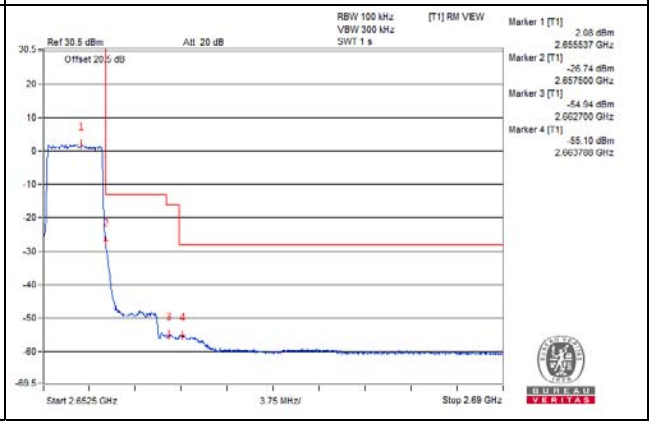
Chain 0 / QPSK

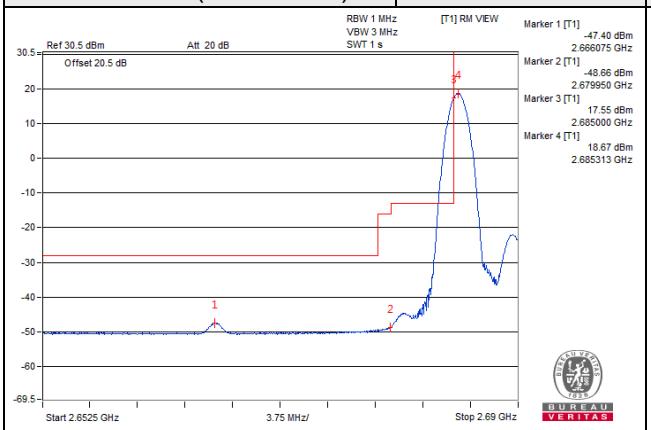
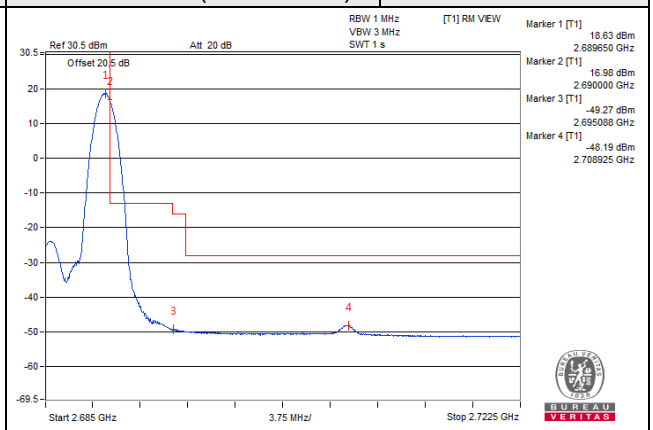
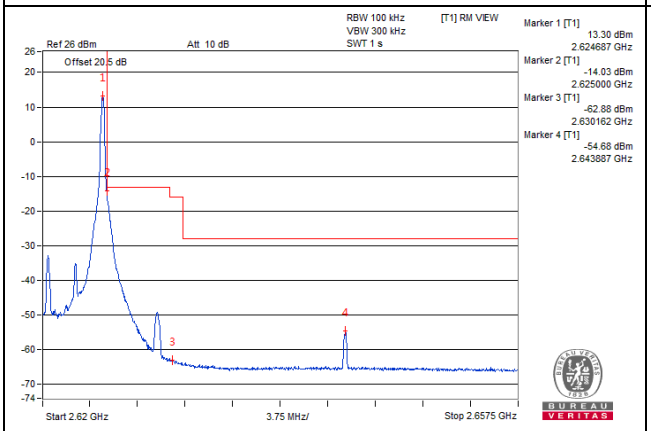
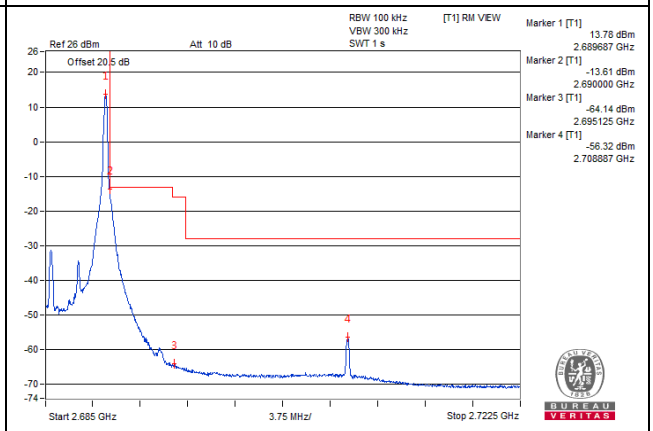
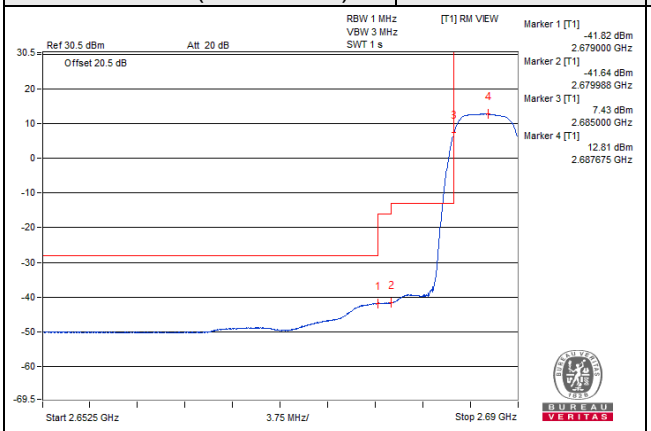
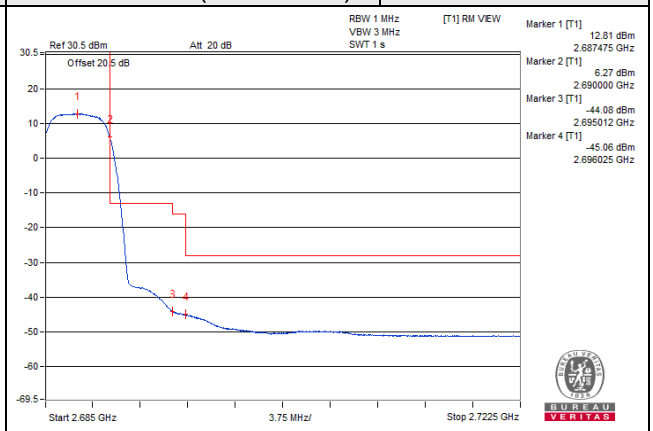
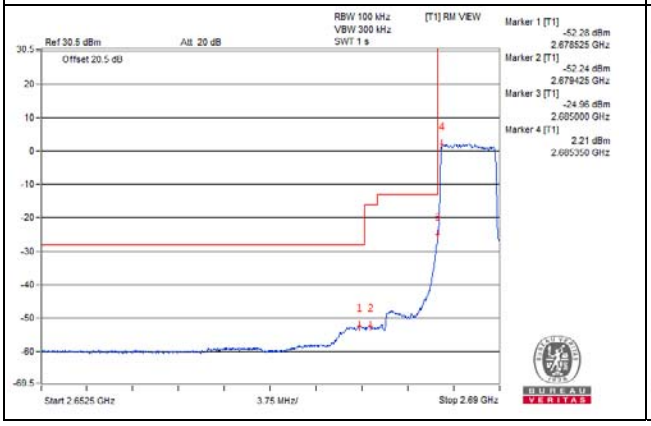
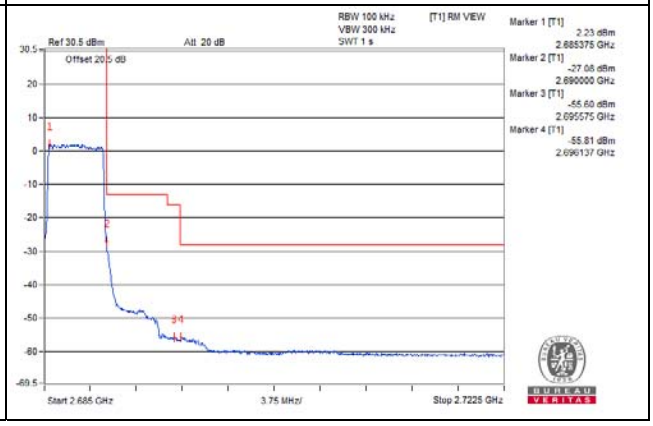
Channel Bandwidth: 5MHz			
Channel 39715 (2502.5MHz)	1 RB / 0 RB Offset	Channel 39715 (2502.5MHz)	1 RB / 24 RB Offset
			
			
Channel 39715 (2502.5MHz)	25 RB / 0 RB Offset	Channel 39715 (2502.5MHz)	25 RB / 0 RB Offset
			
			

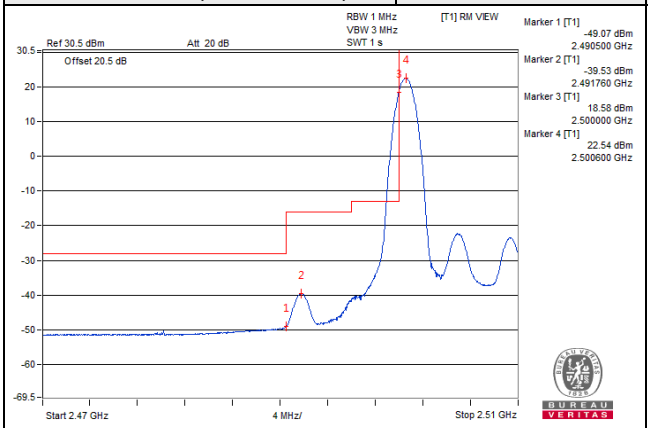
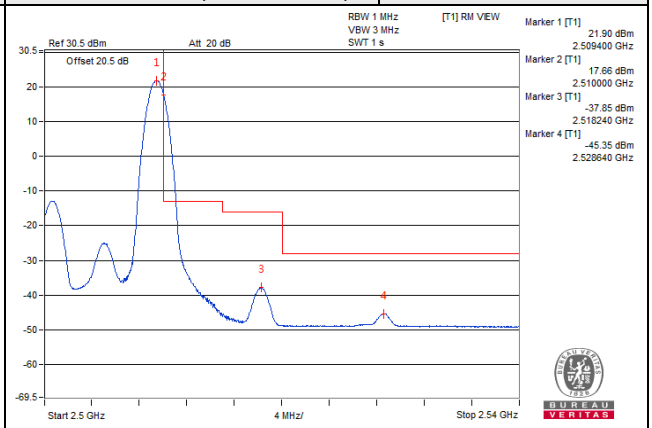
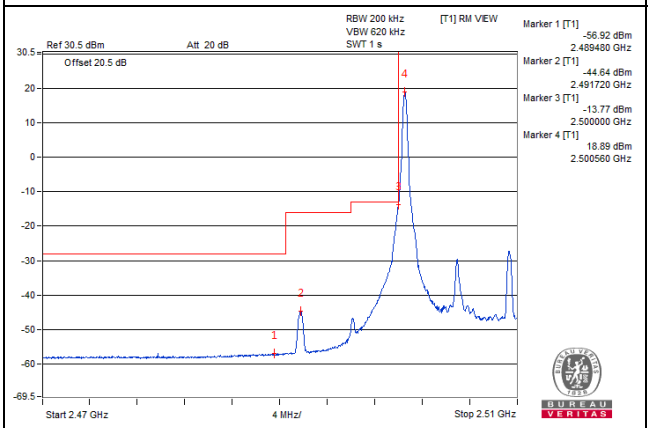
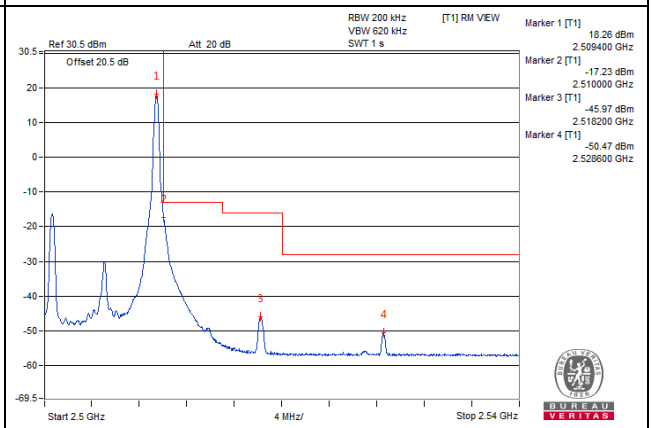
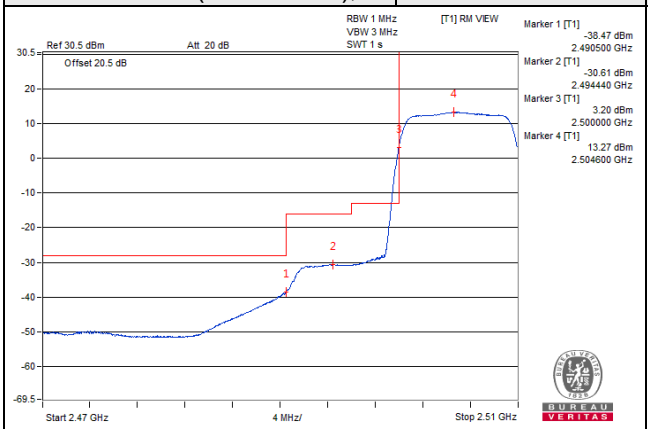
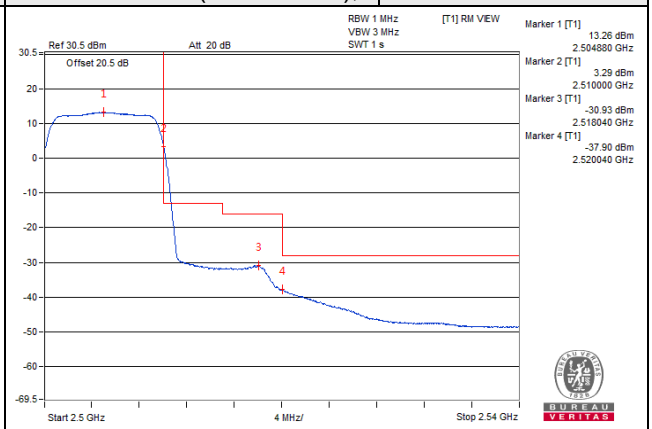
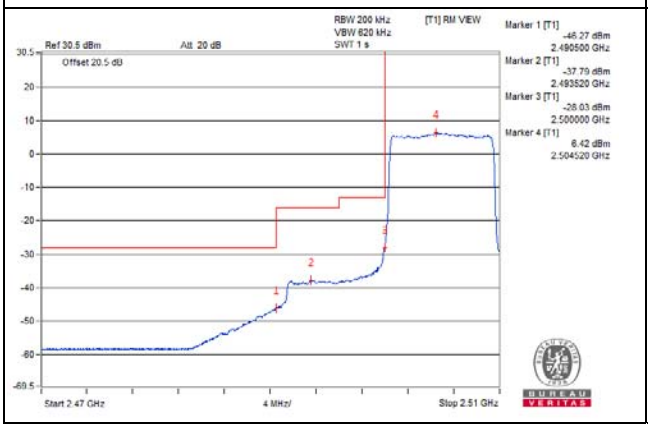
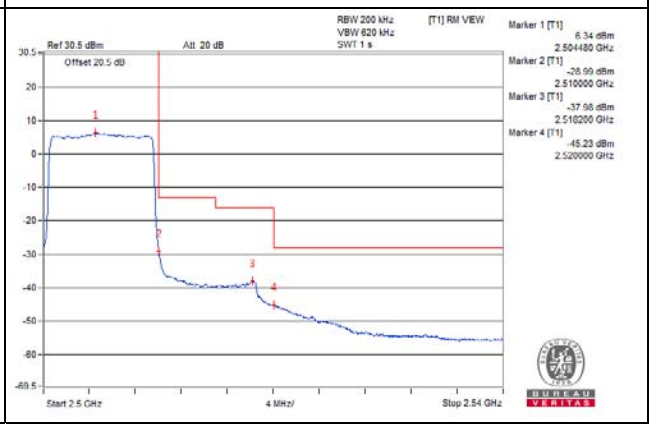
Channel Bandwidth: 5MHz			
Channel 40040 (2535.0MHz)	1 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	1 RB / 24 RB Offset
			
			
Channel 40040 (2535.0MHz)	25 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	25 RB / 0 RB Offset
			
			

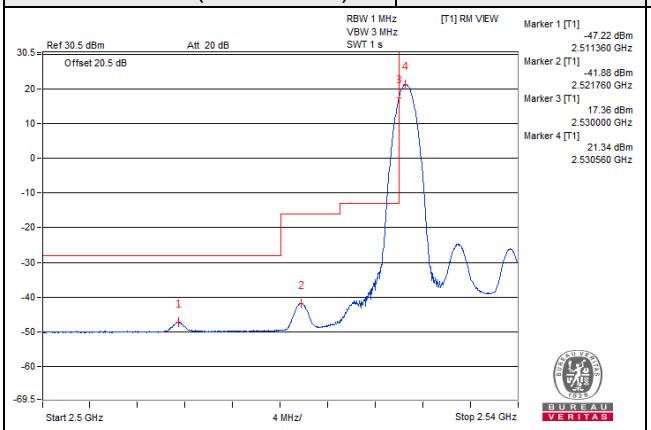
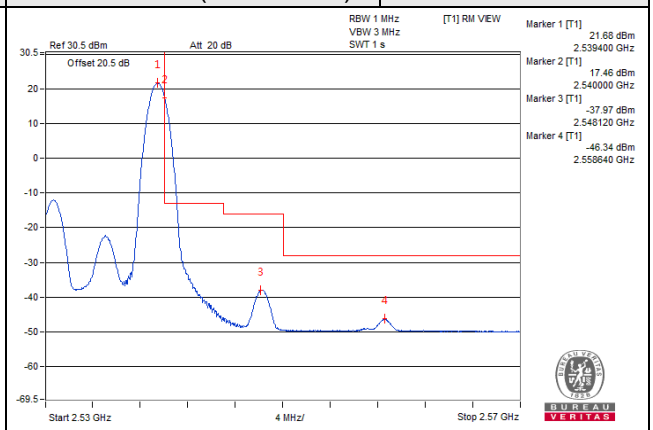
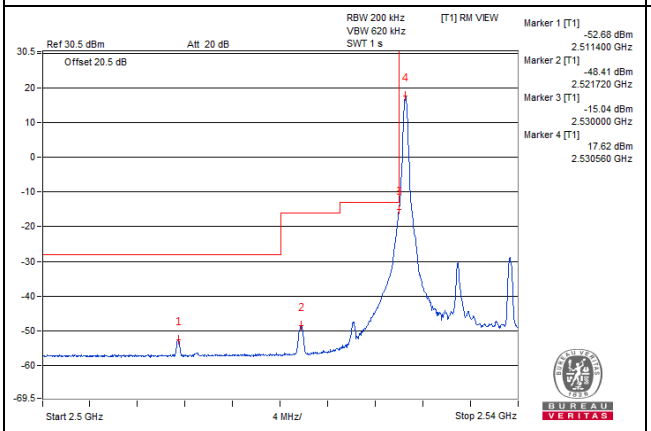
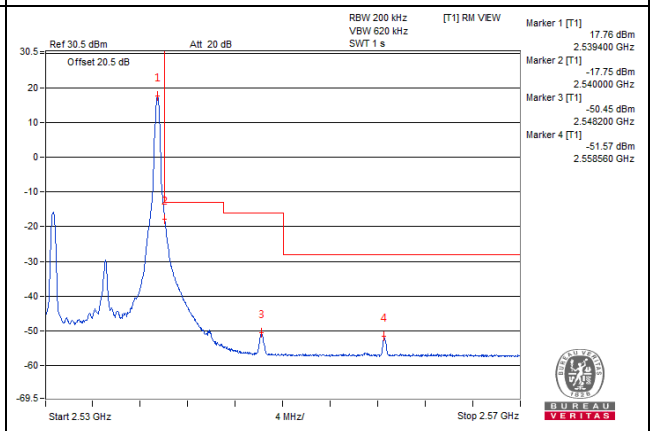
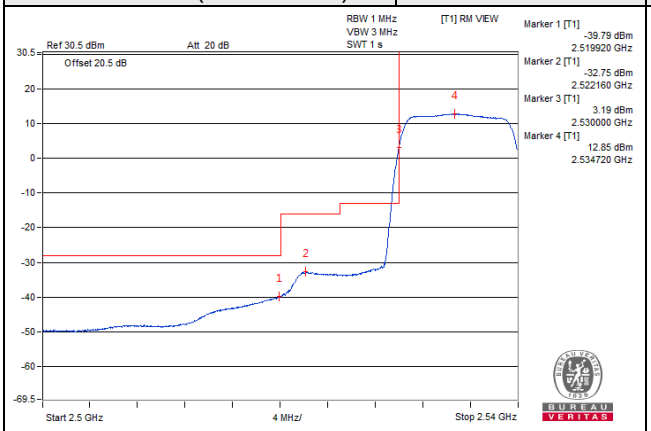
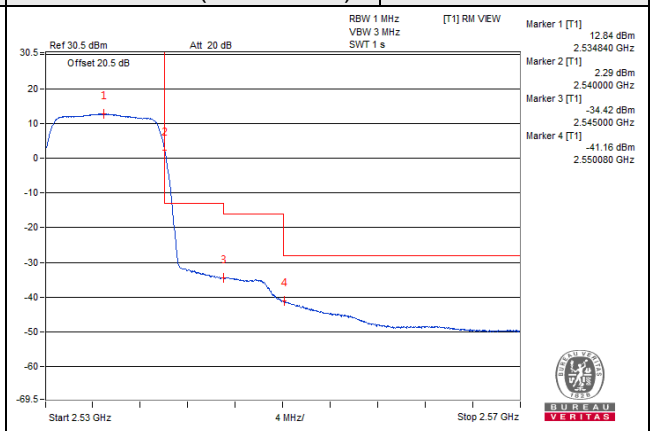
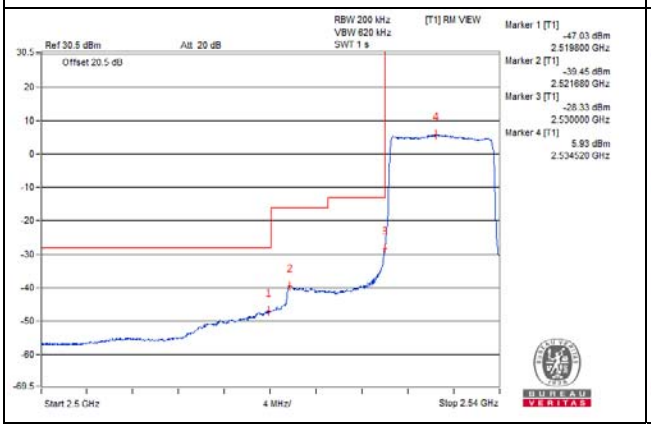
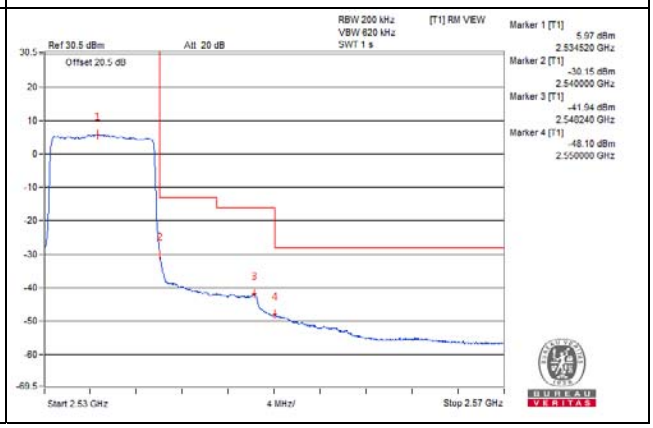
Channel Bandwidth: 5MHz			
Channel 40365 (2567.5MHz)	1 RB / 0 RB Offset	Channel 40365 (2567.5MHz)	1 RB / 24 RB Offset
			
			
Channel 40365 (2567.5MHz)	25 RB / 0 RB Offset	Channel 40365 (2567.5MHz)	25 RB / 0 RB Offset
			
			

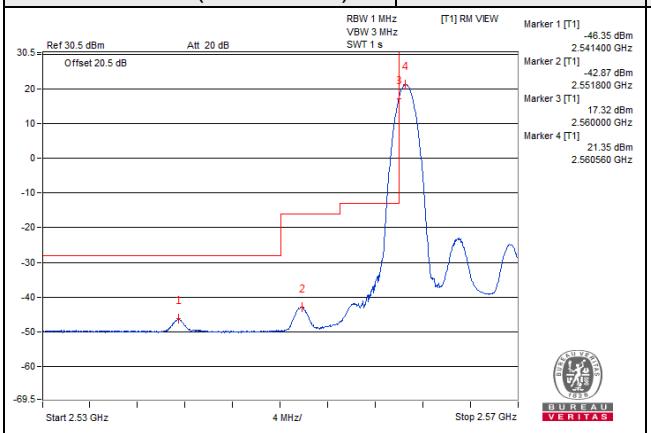
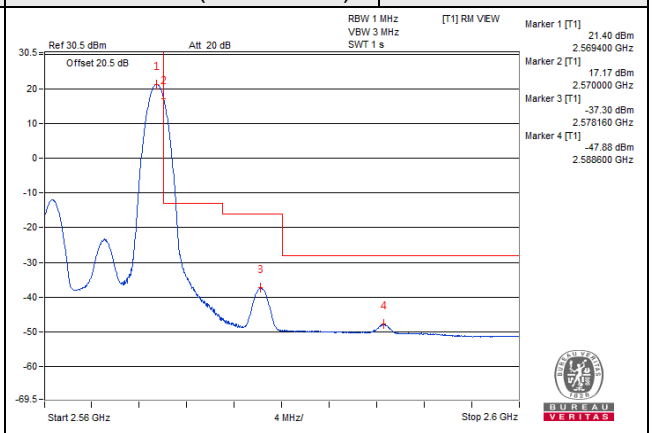
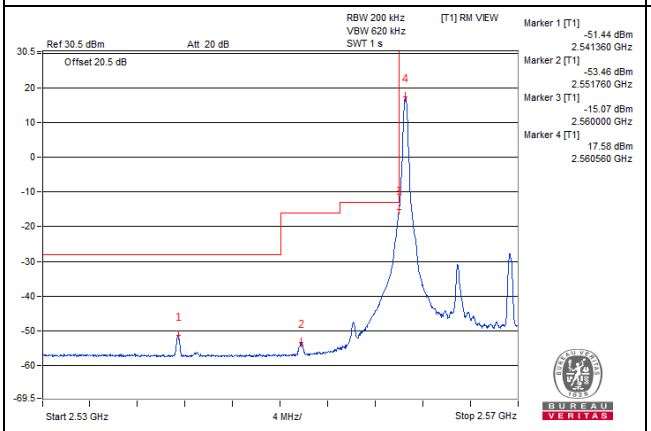
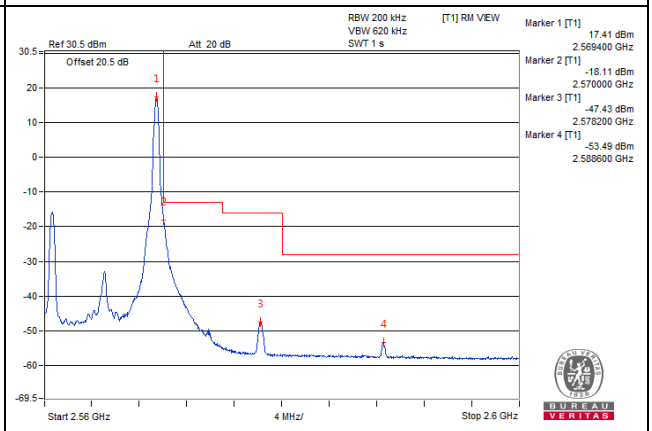
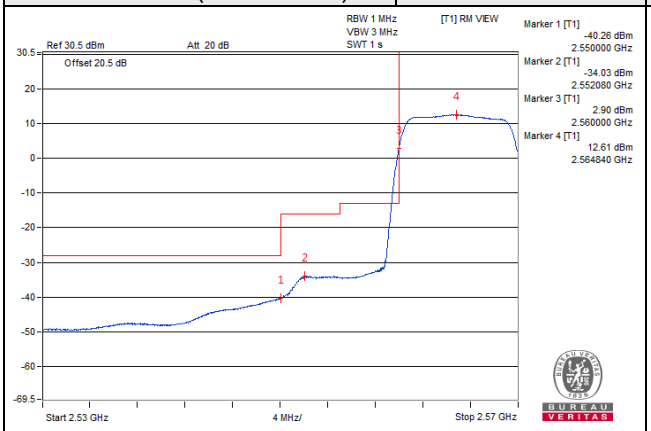
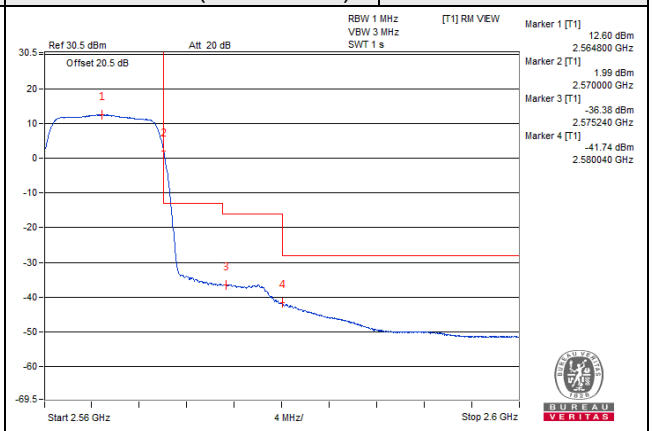
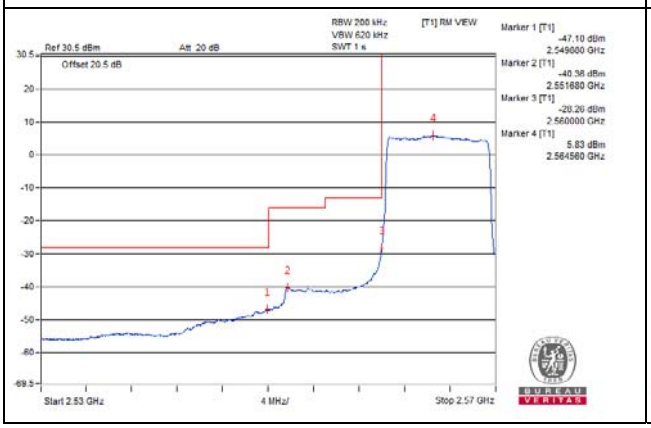
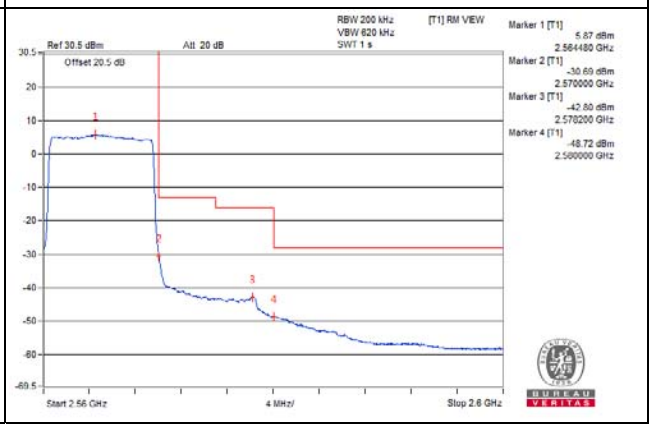
Channel Bandwidth: 5MHz			
Channel 40915 (2622.5MHz)	1 RB / 0 RB Offset	Channel 40915 (2622.5MHz)	1 RB / 24 RB Offset
			
			
Channel 40915 (2622.5MHz)	25 RB / 0 RB Offset	Channel 40915 (2622.5MHz)	25 RB / 0 RB Offset
			
			

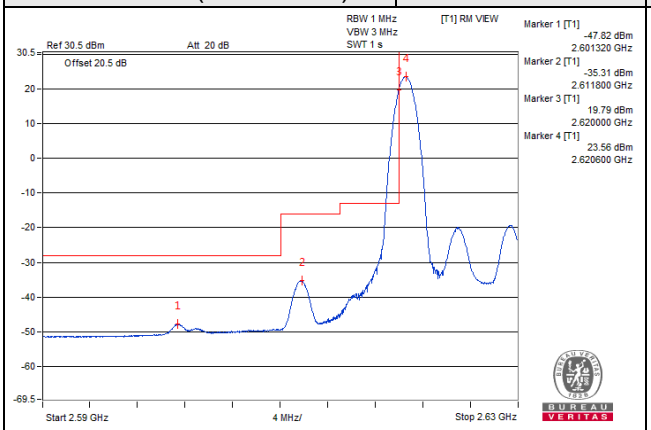
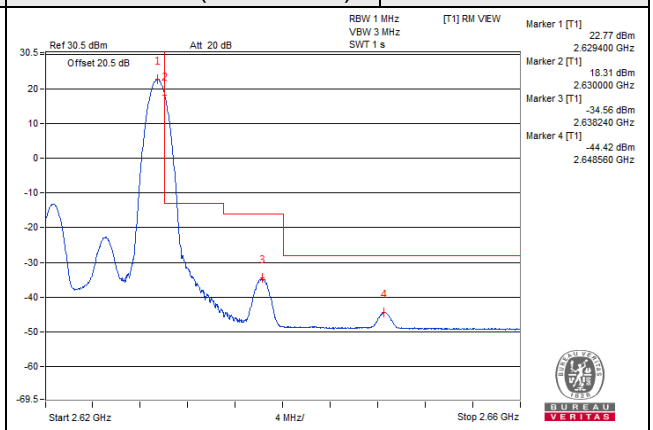
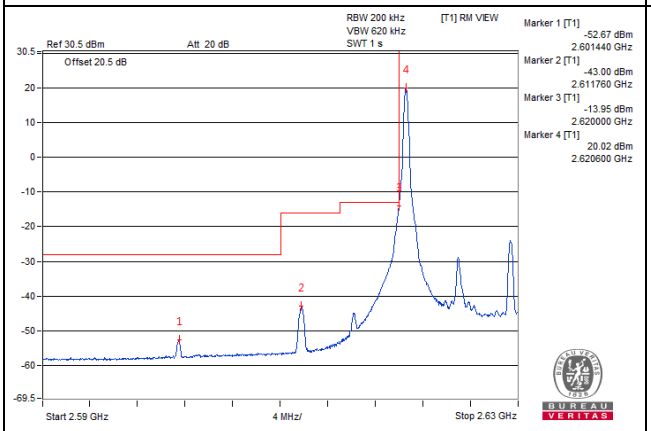
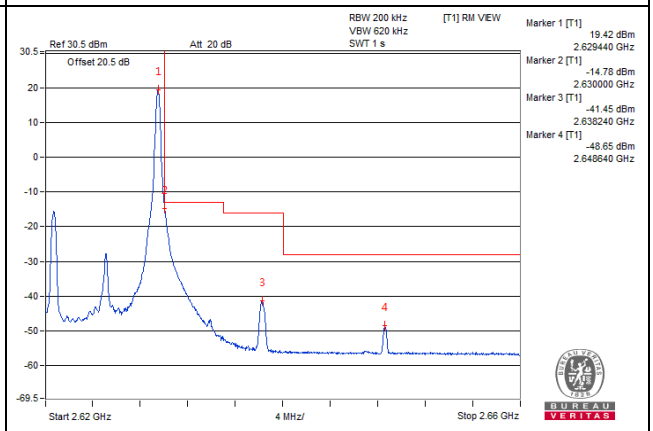
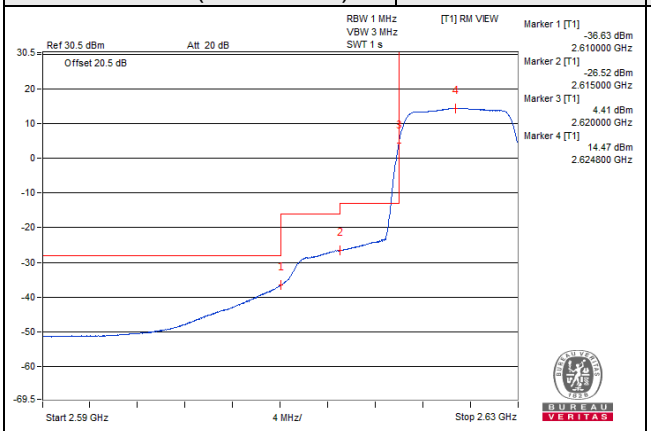
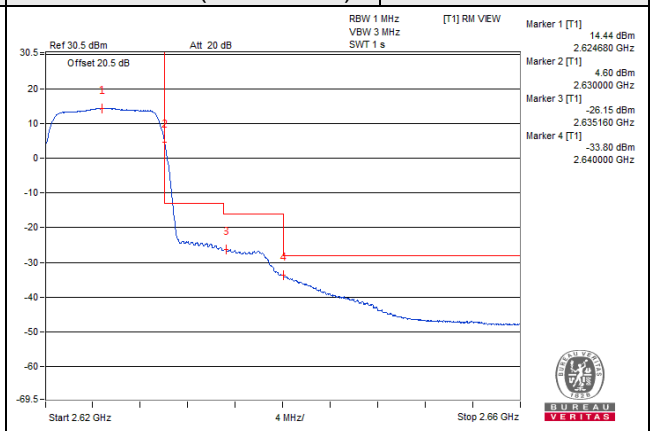
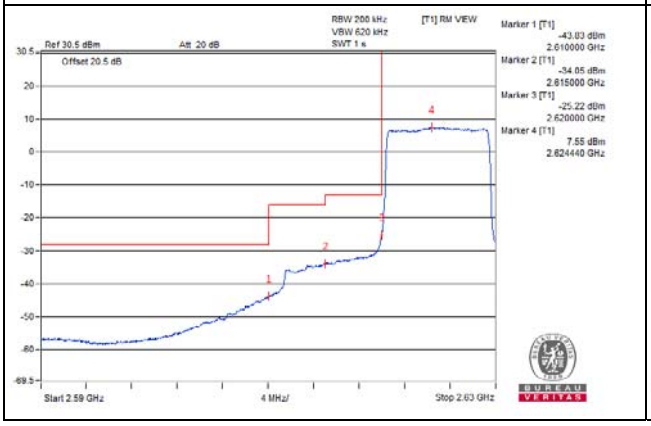
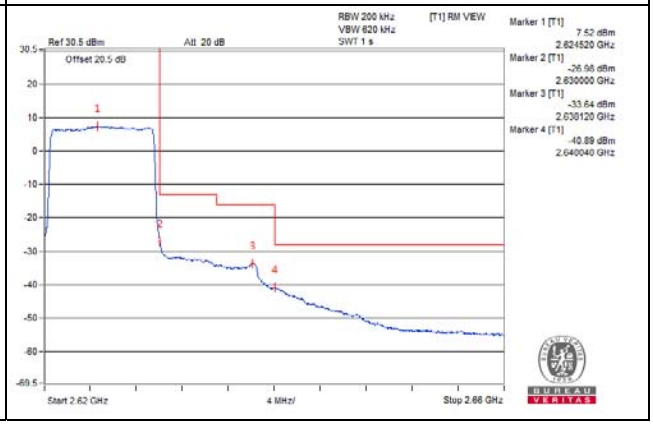
Channel Bandwidth: 5MHz			
Channel 41240 (2655.0MHz)	1 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	1 RB / 24 RB Offset
			
			
Channel 41240 (2655.0MHz)	25 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	25 RB / 0 RB Offset
			
			

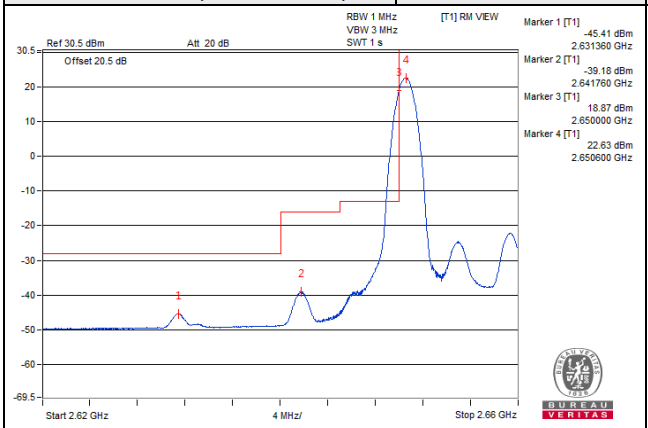
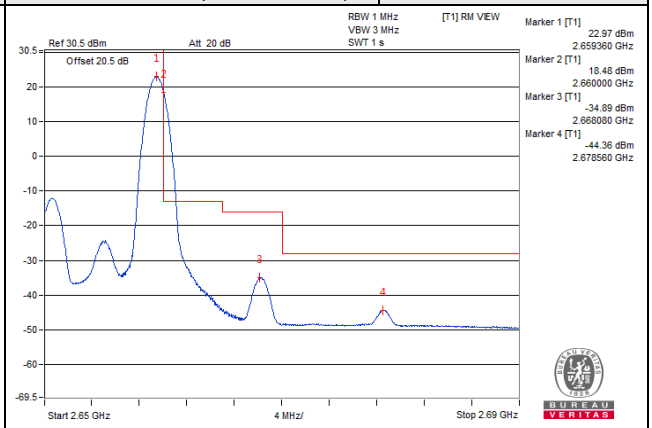
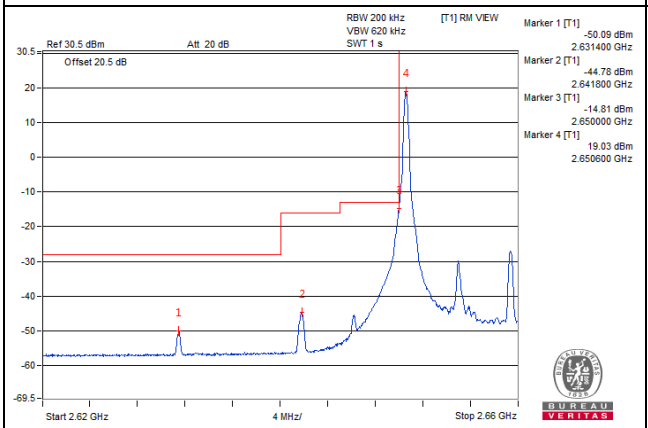
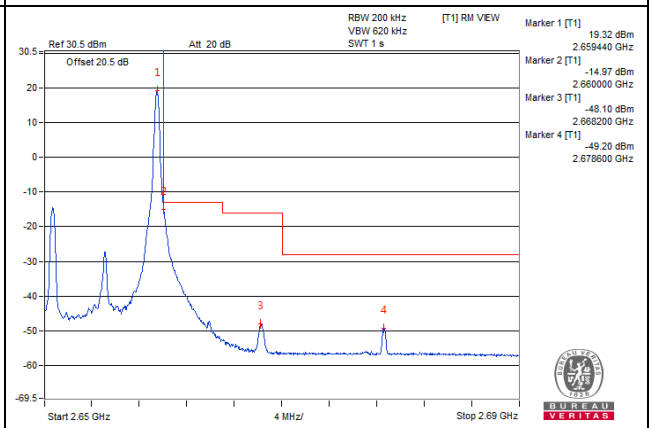
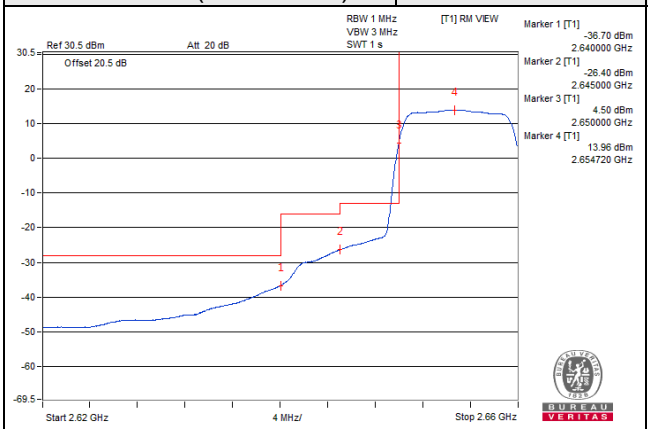
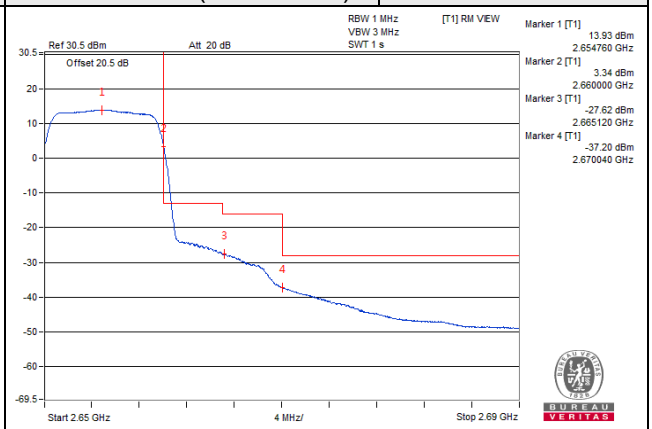
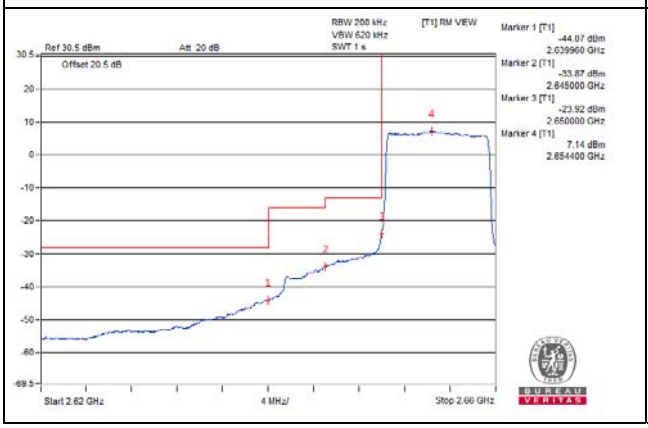
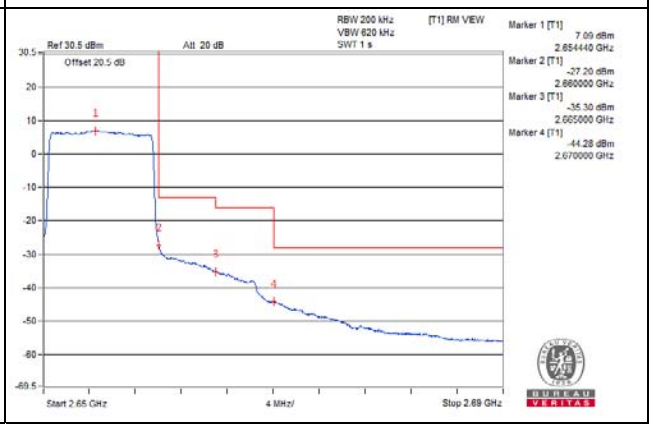
Channel Bandwidth: 5MHz			
Channel 41565 (2687.5MHz)	1 RB / 0 RB Offset	Channel 41565 (2687.5MHz)	1 RB / 24 RB Offset
			
			
Channel 41565 (2687.5MHz)	25 RB / 0 RB Offset	Channel 41565 (2687.5MHz)	25 RB / 0 RB Offset
			
			

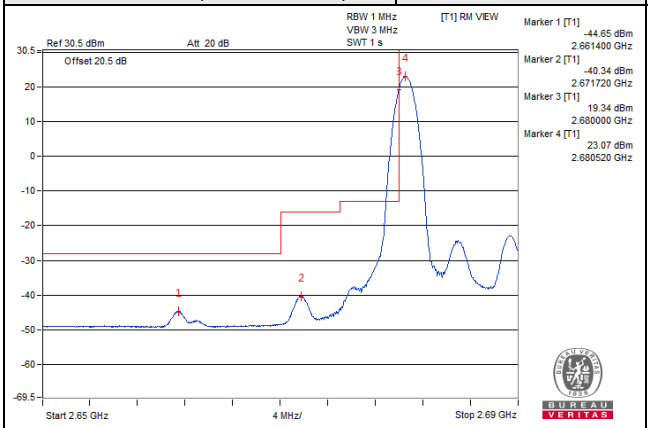
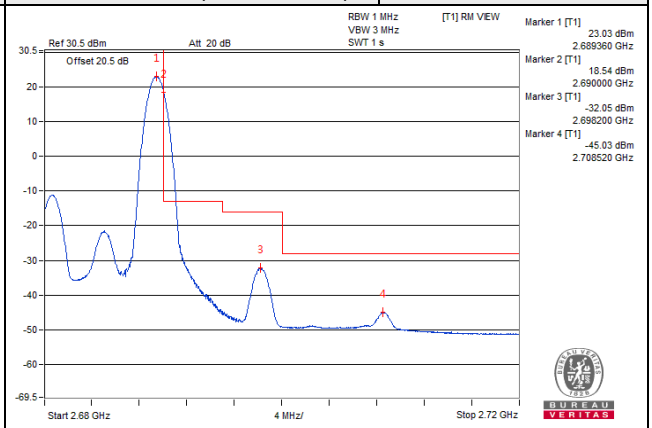
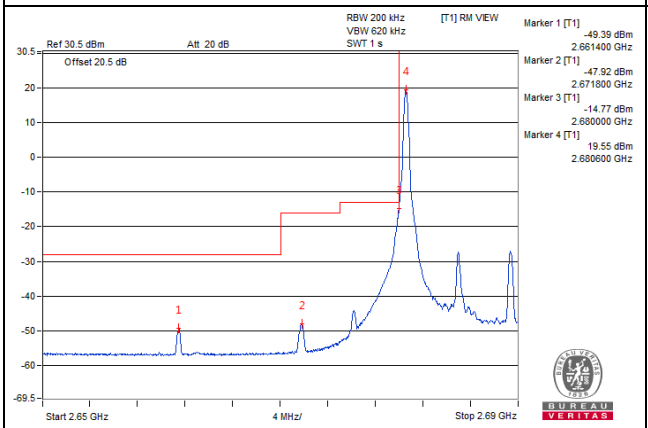
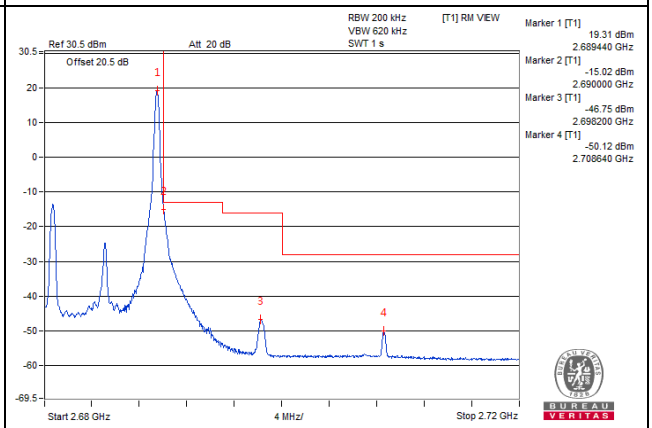
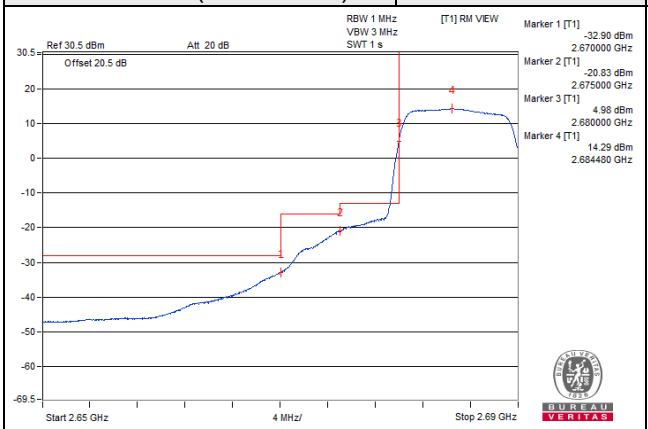
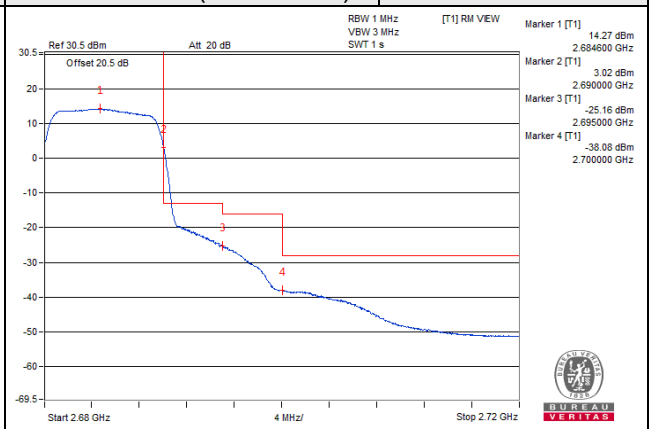
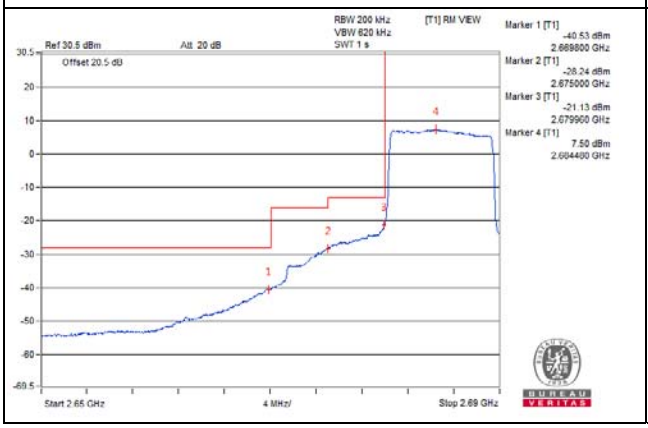
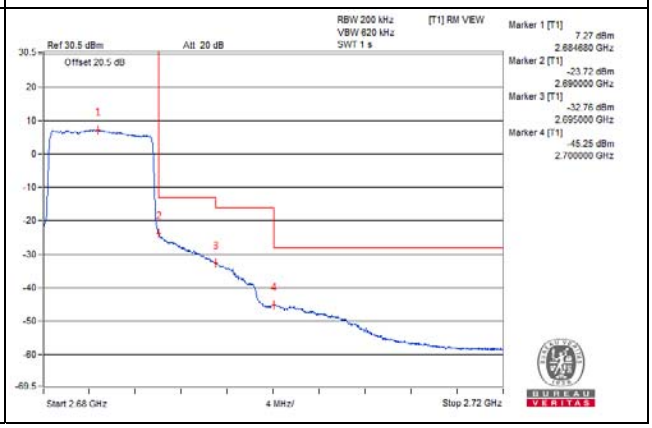
Channel Bandwidth: 10MHz			
Channel 39740 (2505.0MHz),	1 RB / 0 RB Offset	Channel 39740 (2505.0MHz),	1 RB / 49 RB Offset
			
			
Channel 39740 (2505.0MHz),	50 RB / 0 RB Offset	Channel 39740 (2505.0MHz),	50 RB / 0 RB Offset
			
			

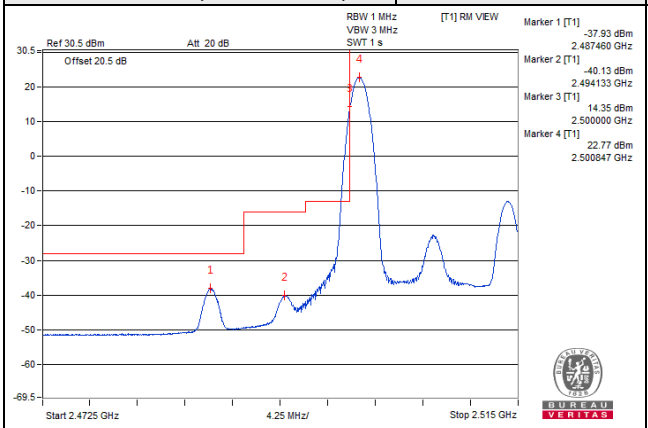
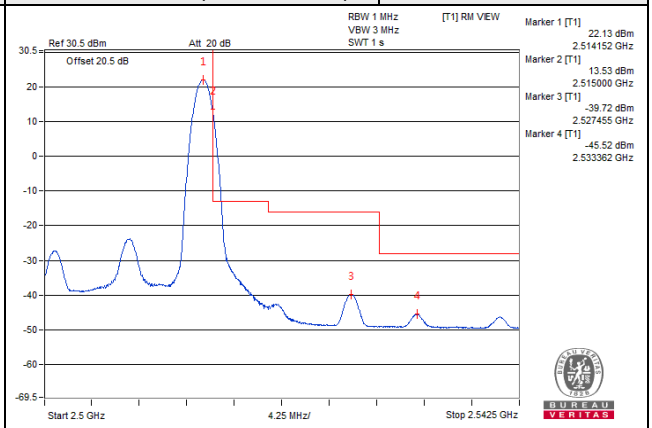
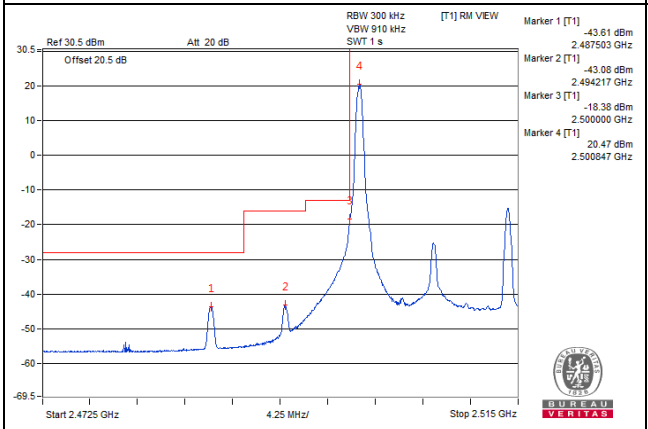
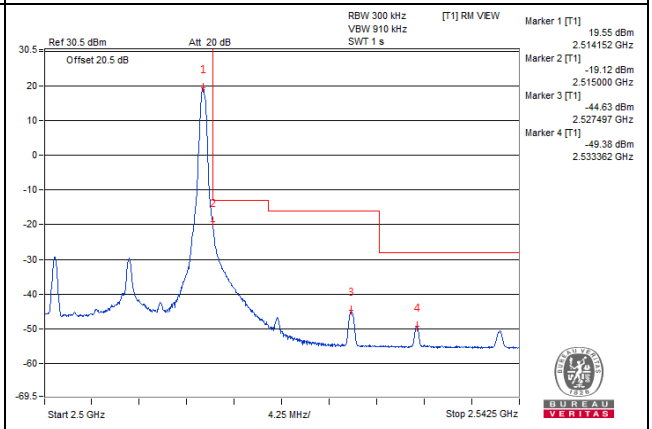
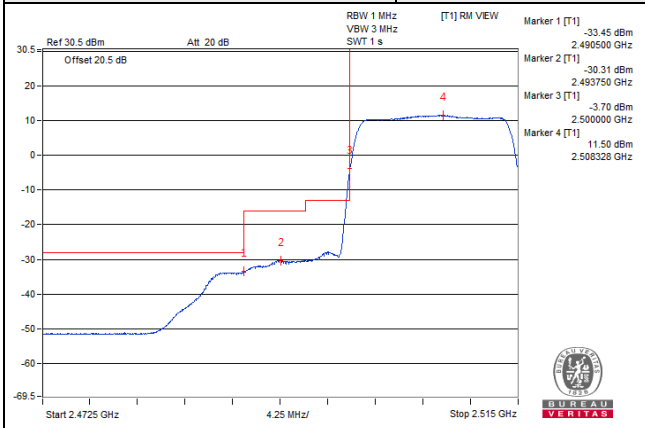
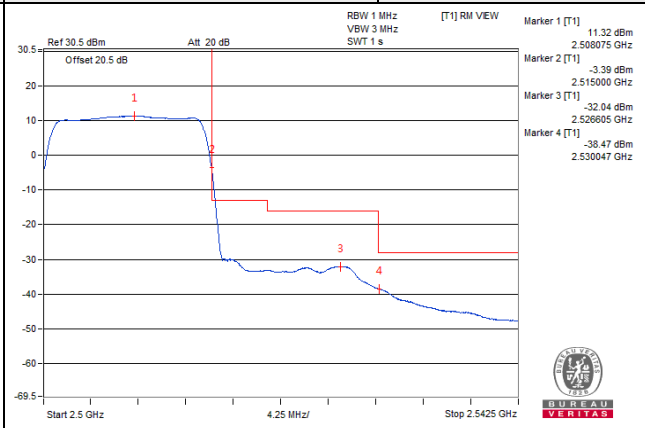
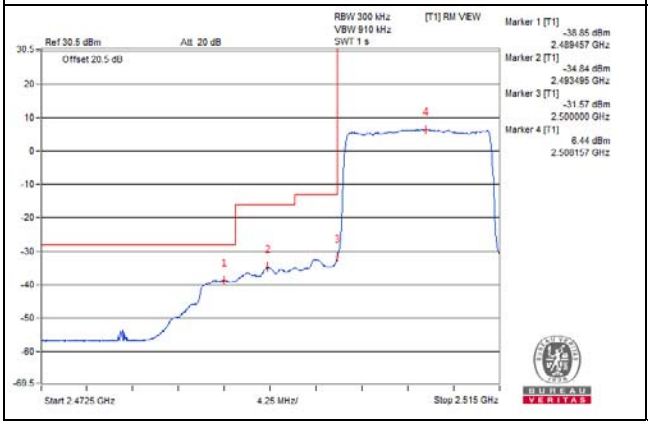
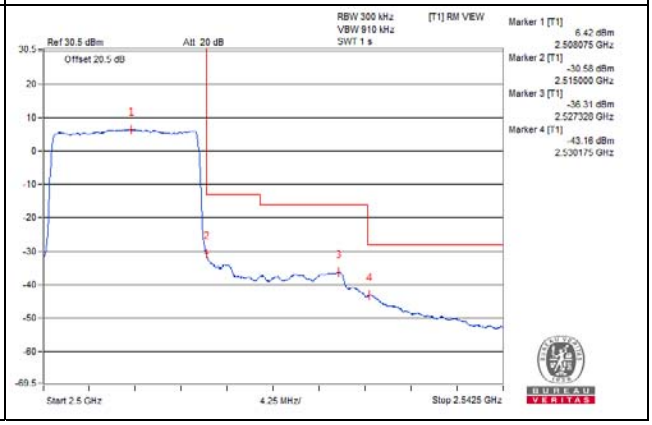
Channel Bandwidth: 10MHz			
Channel 40040 (2535.0MHz)	1 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	1 RB / 49 RB Offset
			
			
Channel 40040 (2535.0MHz)	50 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	50 RB / 0 RB Offset
			
			

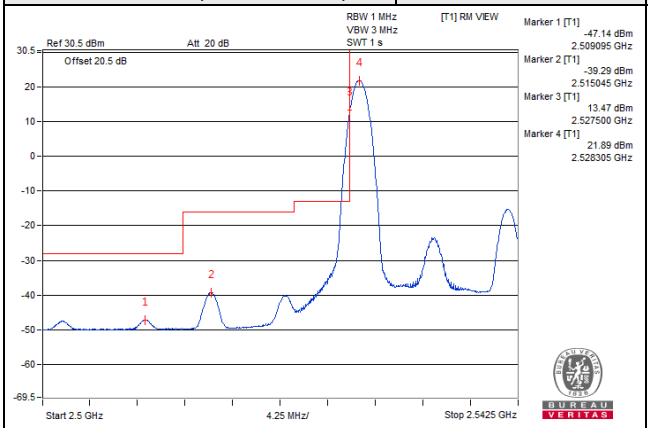
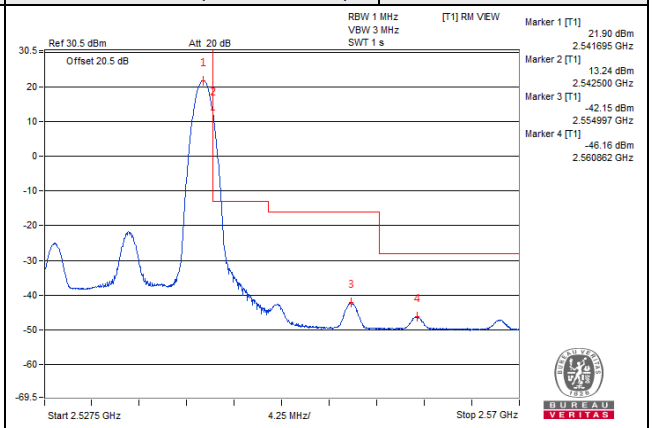
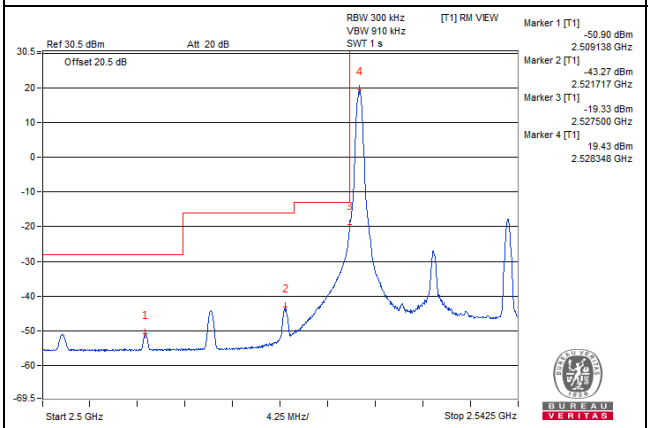
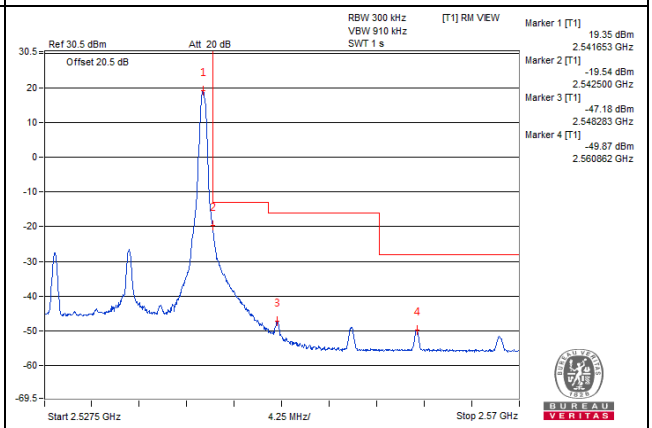
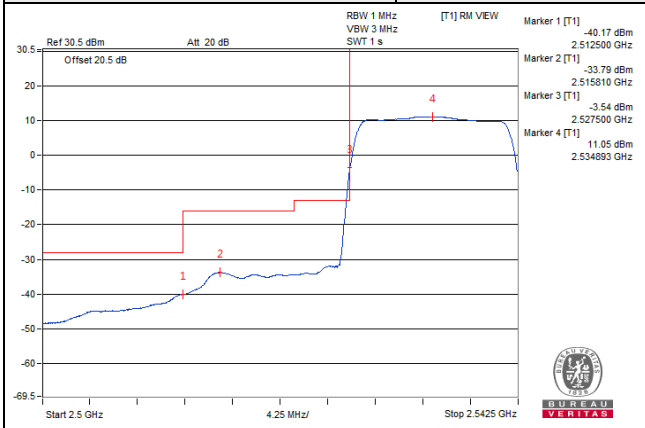
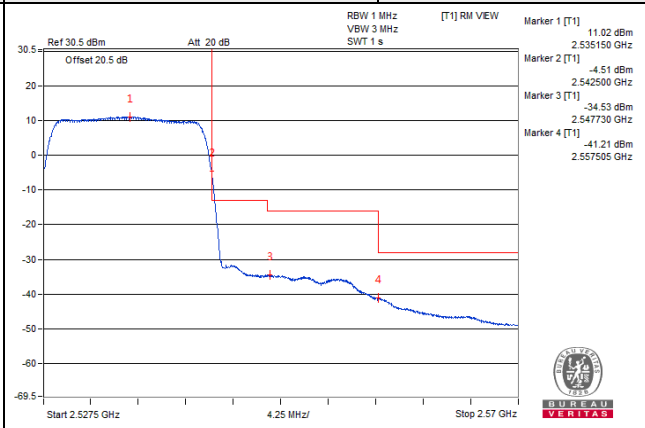
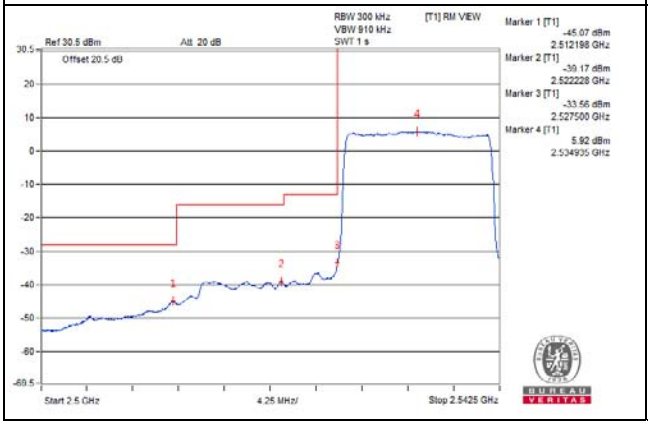
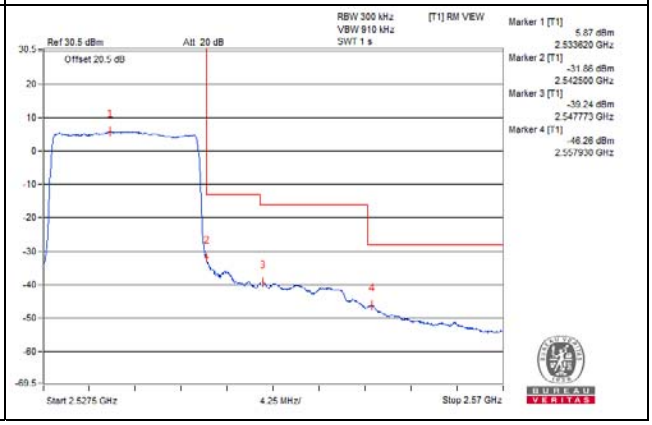
Channel Bandwidth: 10MHz			
Channel 40340 (2565.0MHz)	1 RB / 0 RB Offset	Channel 40340 (2565.0MHz)	1 RB / 49 RB Offset
			
			
Channel 40340 (2565.0MHz)	50 RB / 0 RB Offset	Channel 40340 (2565.0MHz)	50 RB / 0 RB Offset
			
			

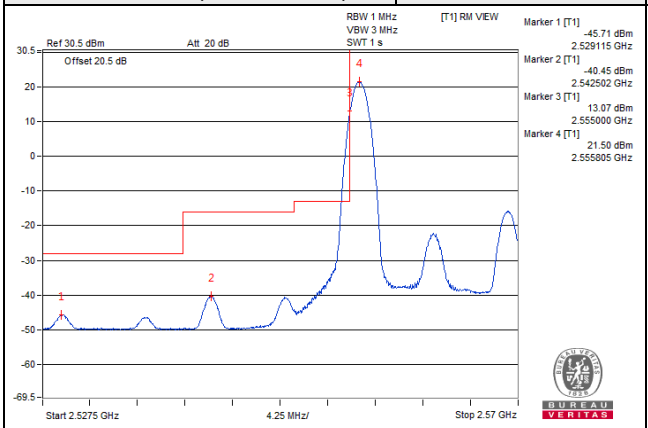
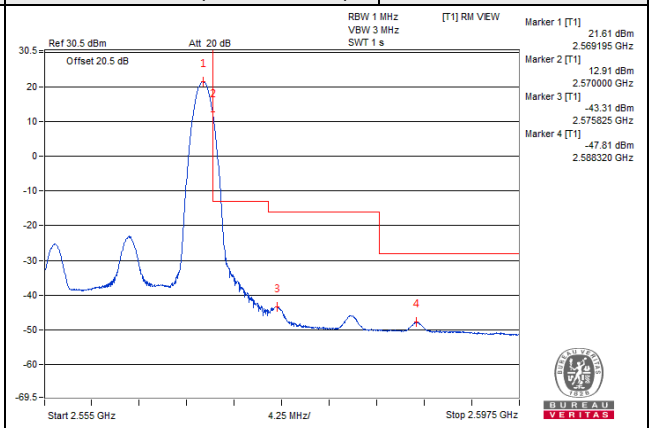
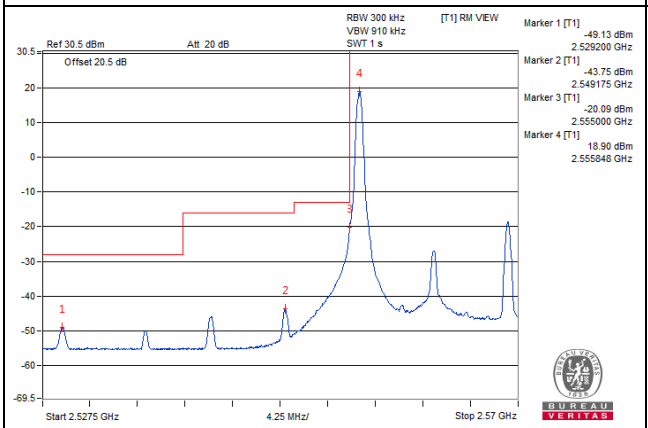
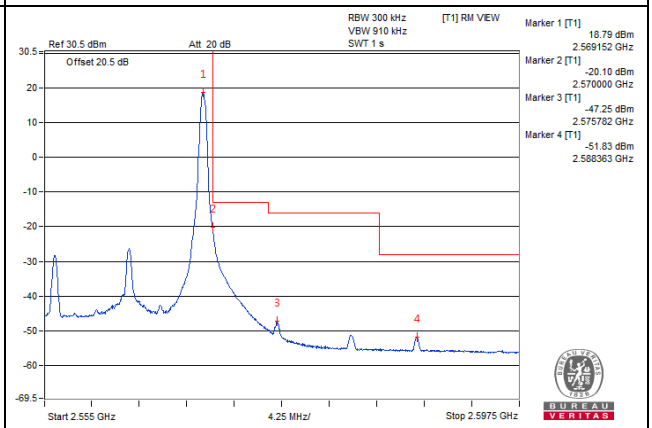
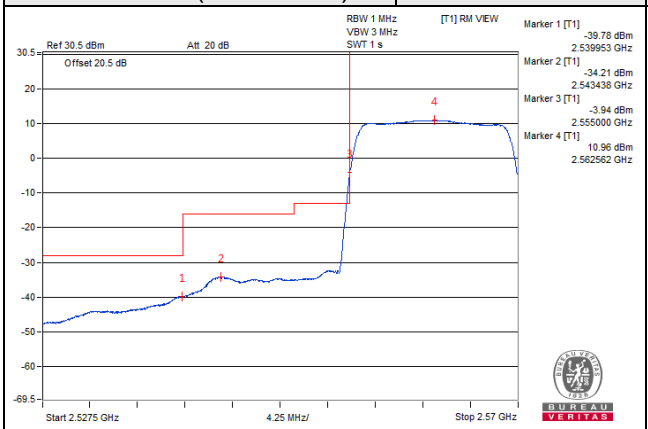
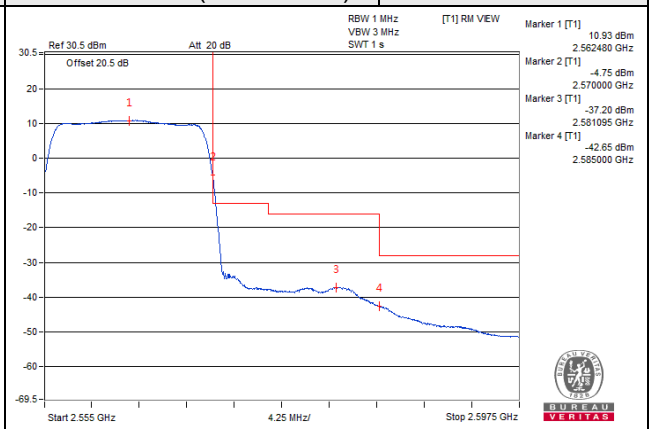
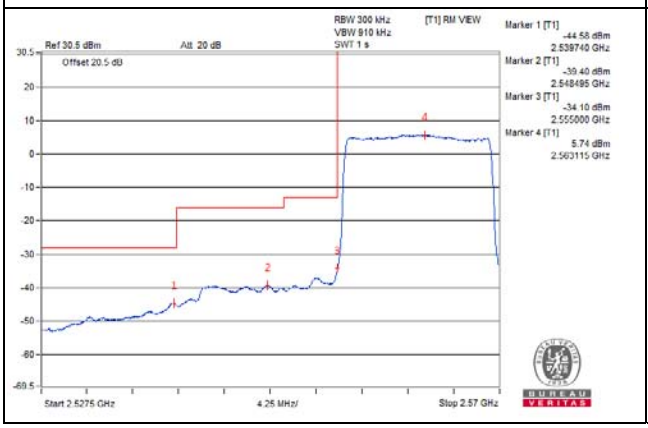
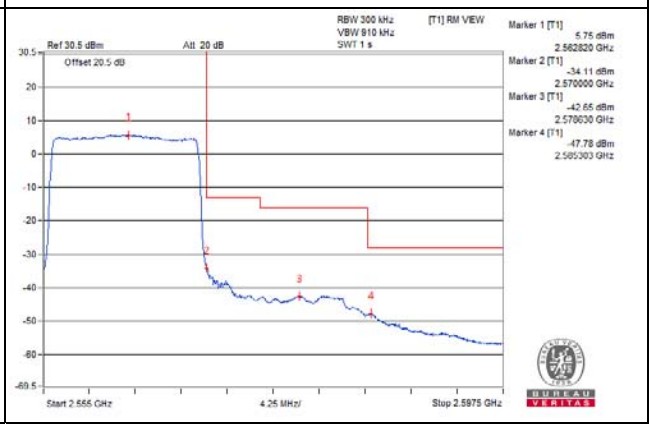
Channel Bandwidth: 10MHz			
Channel 40940 (2625.0MHz)	1 RB / 0 RB Offset	Channel 40940 (2625.0MHz)	1 RB / 49 RB Offset
			
			
Channel 40940 (2625.0MHz)	50 RB / 0 RB Offset	Channel 40940 (2625.0MHz)	50 RB / 0 RB Offset
			
			

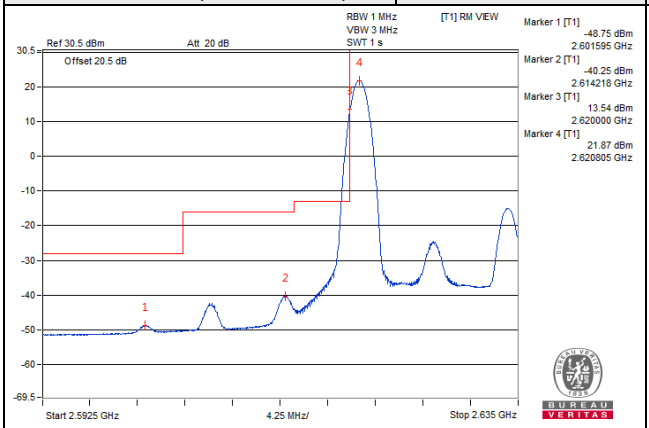
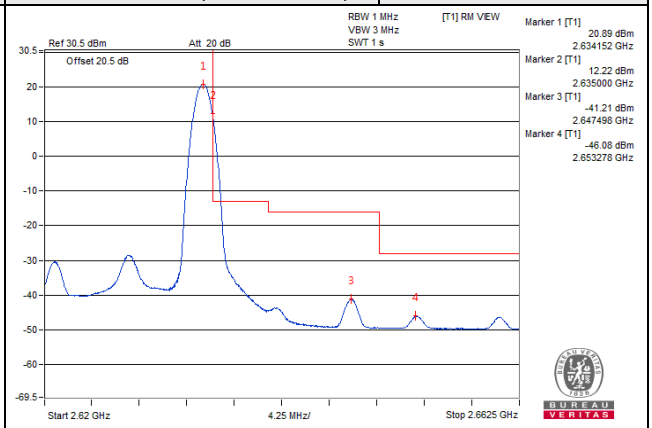
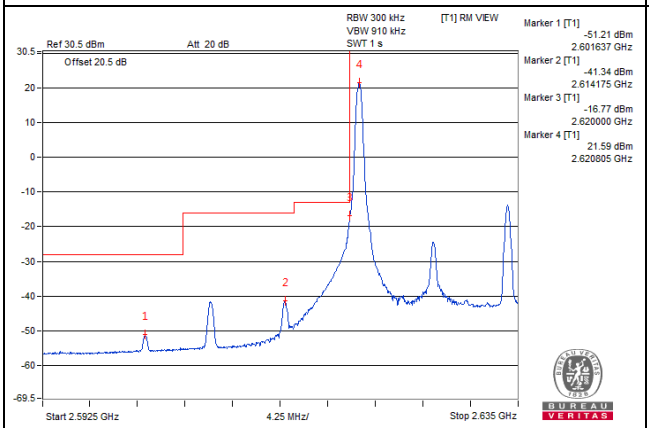
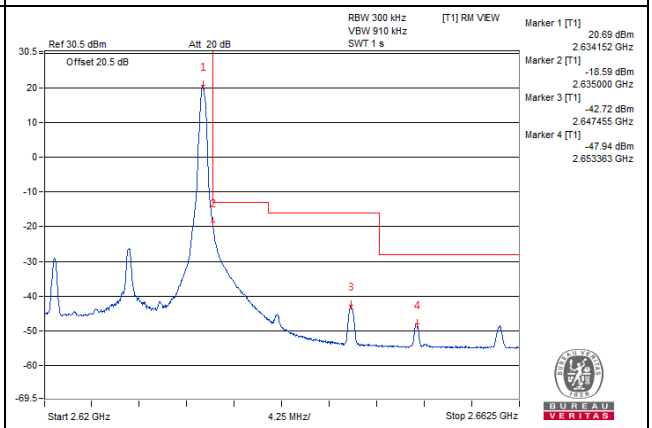
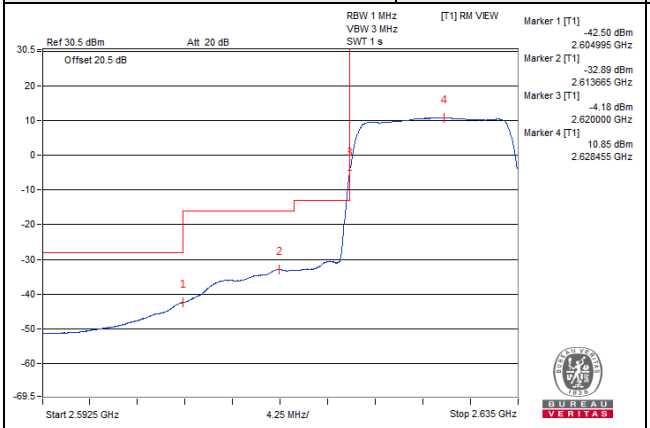
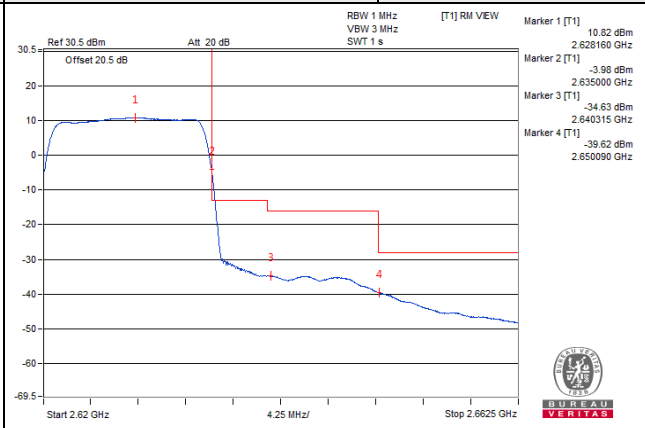
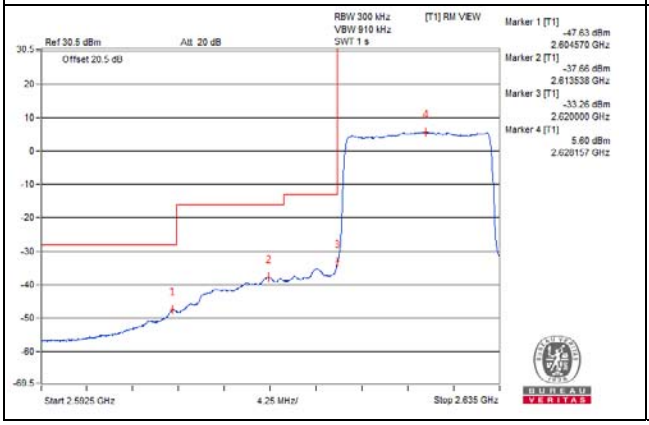
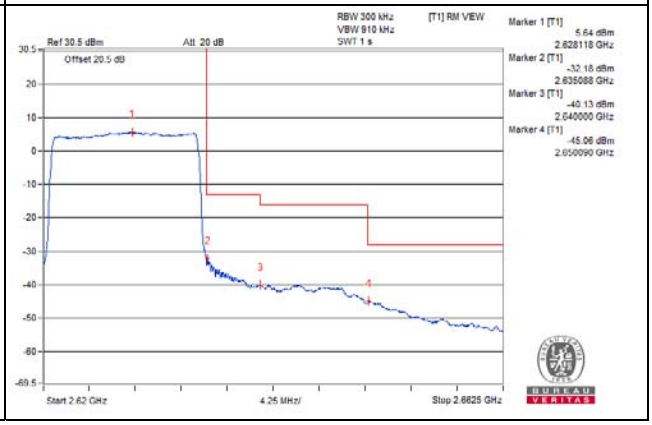
Channel Bandwidth: 10MHz			
Channel 41240 (2655.0MHz)	1 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	1 RB / 49 RB Offset
			
			
Channel 41240 (2655.0MHz)	50 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	50 RB / 0 RB Offset
			
			

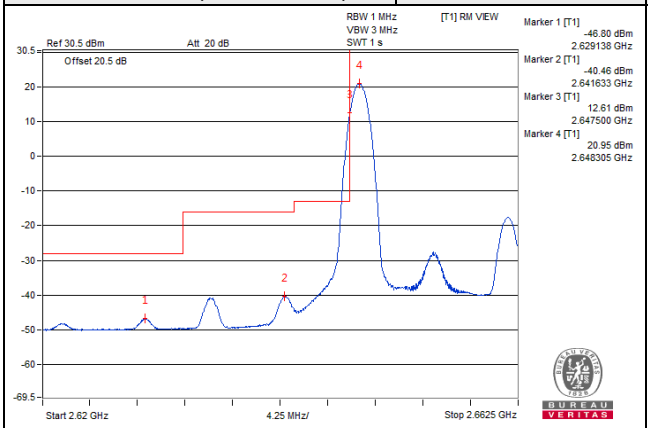
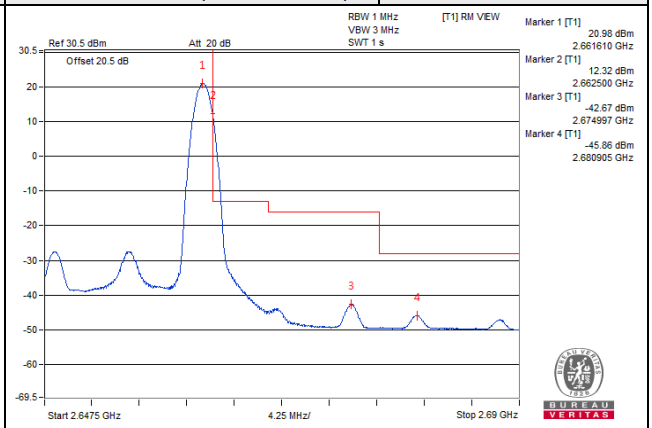
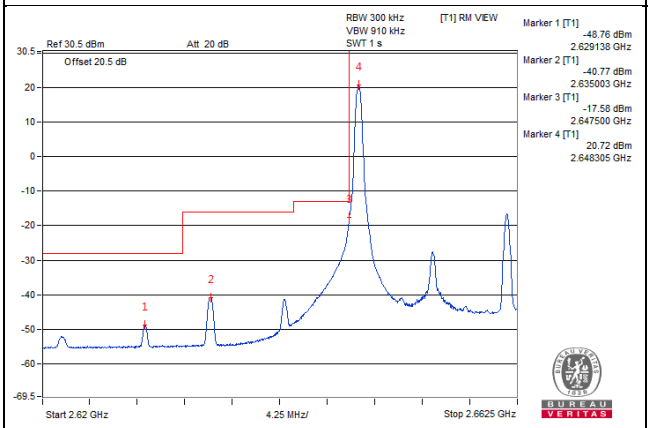
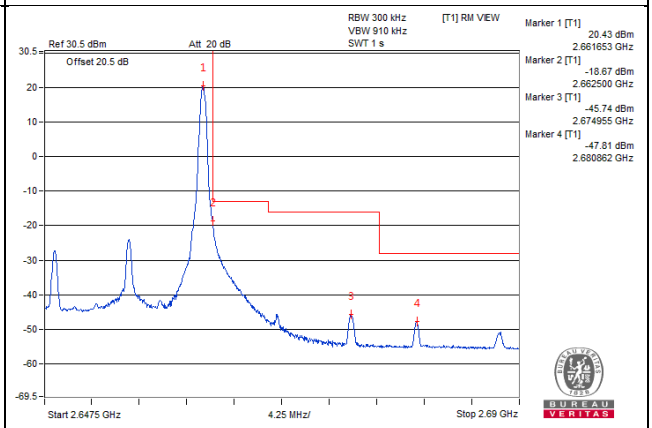
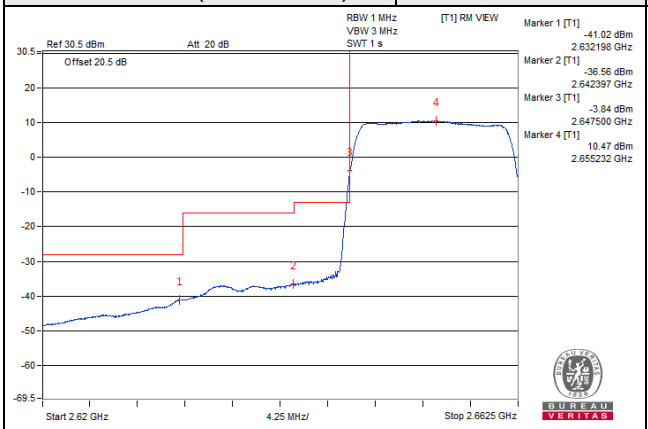
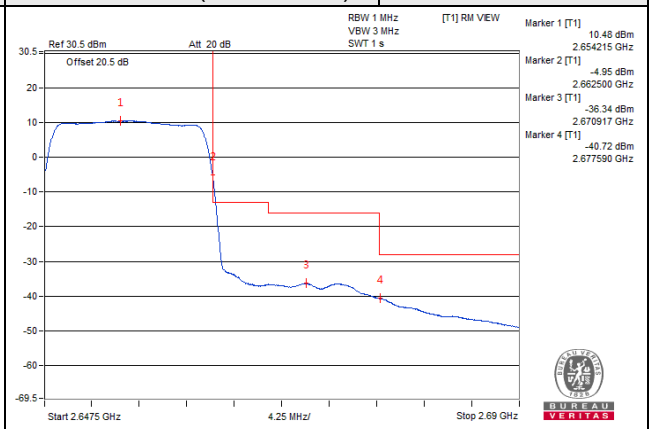
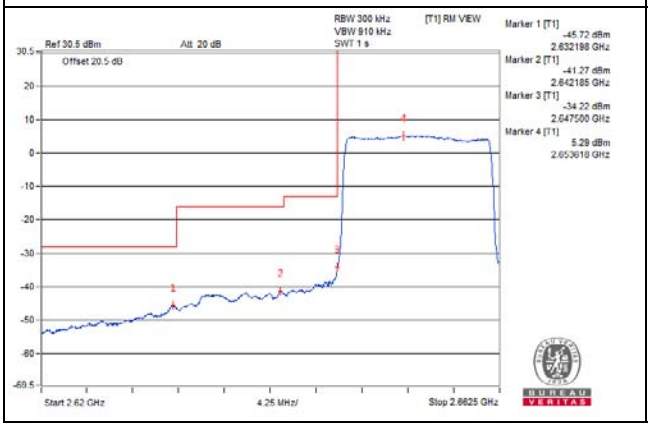
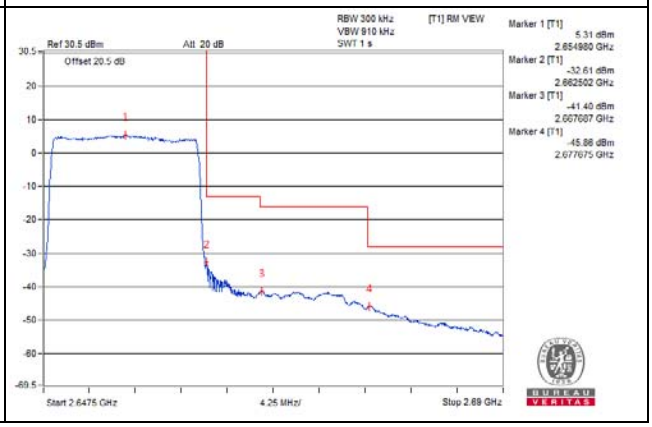
Channel Bandwidth: 10MHz			
Channel 41540 (2685.0MHz)	1 RB / 0 RB Offset	Channel 41540 (2685.0MHz)	1 RB / 49 RB Offset
			
			
Channel 41540 (2685.0MHz)	50 RB / 0 RB Offset	Channel 41540 (2685.0MHz)	50 RB / 0 RB Offset
			
			

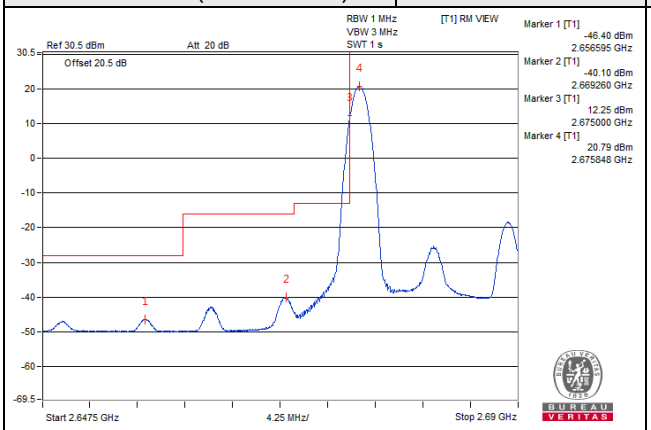
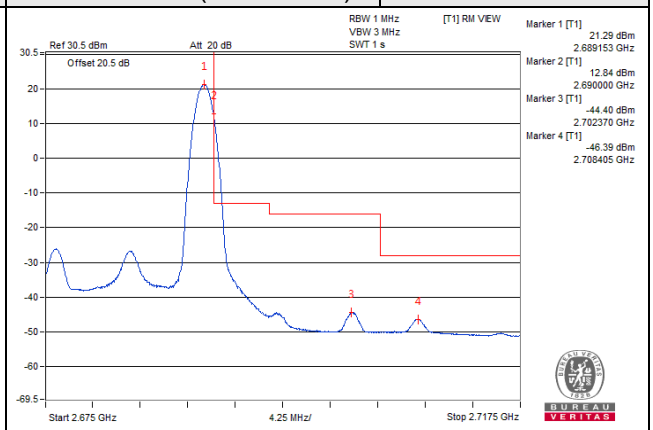
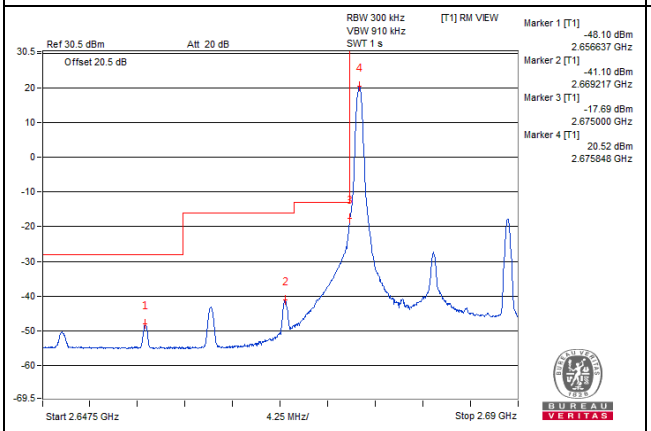
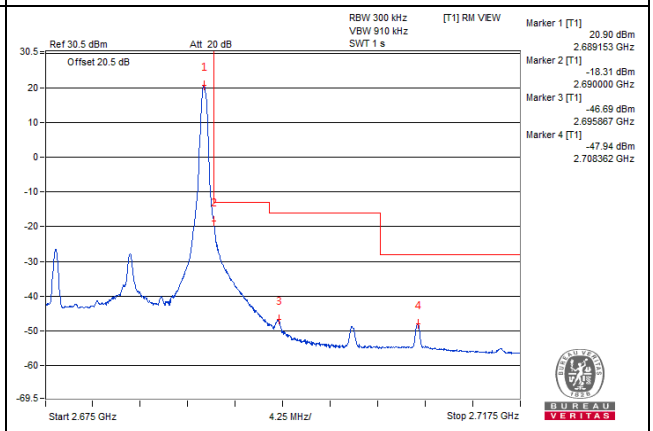
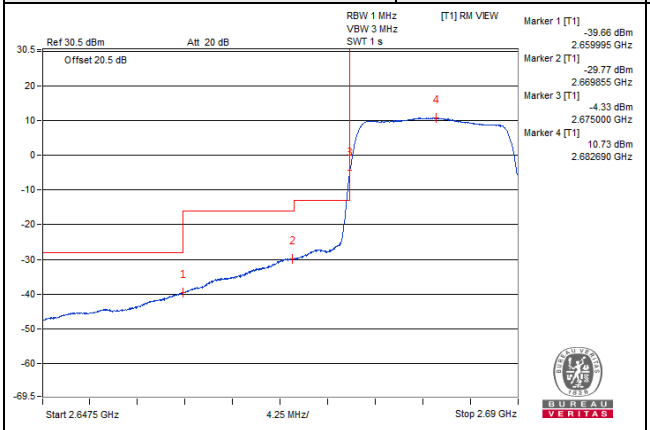
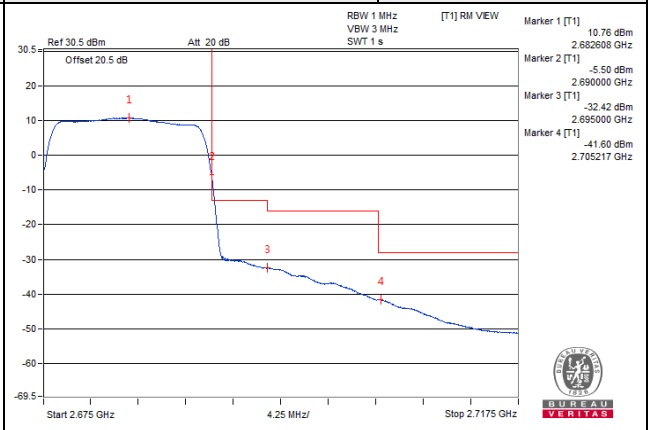
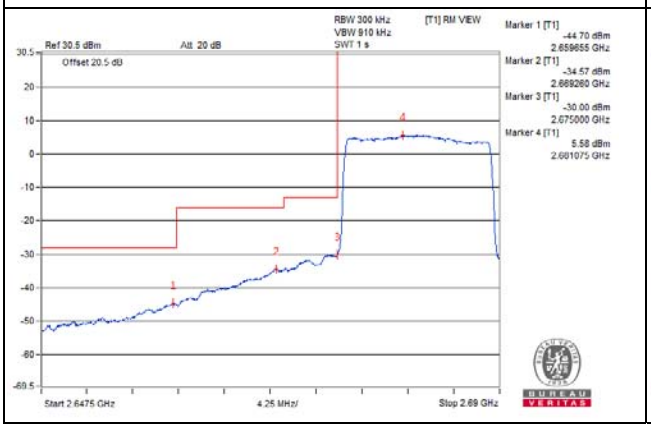
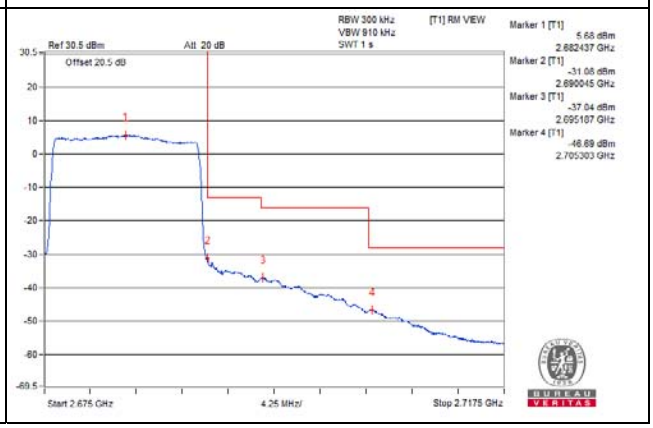
Channel Bandwidth: 15MHz			
Channel 39765 (2507.5MHz)	1 RB / 0 RB Offset	Channel 39765 (2507.5MHz)	1 RB / 74 RB Offset
			
			
Channel 39765 (2507.5MHz)	75 RB / 0 RB Offset	Channel 39765 (2507.5MHz)	75 RB / 0 RB Offset
			
			

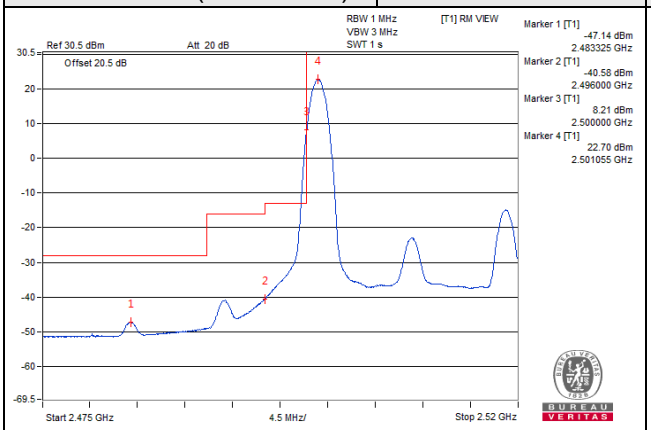
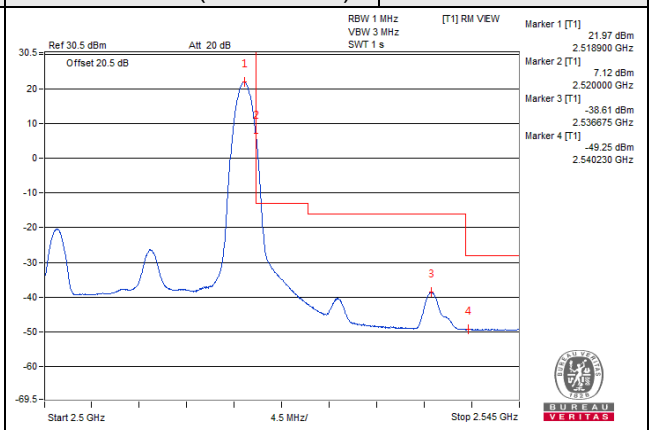
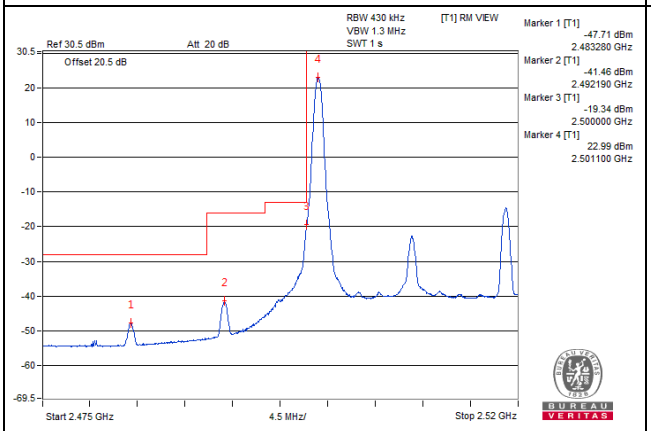
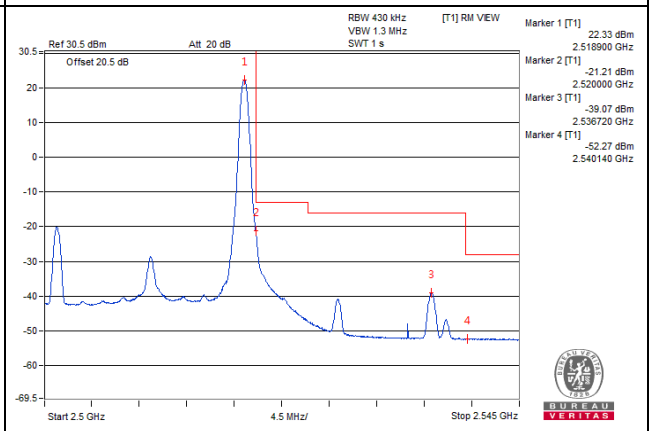
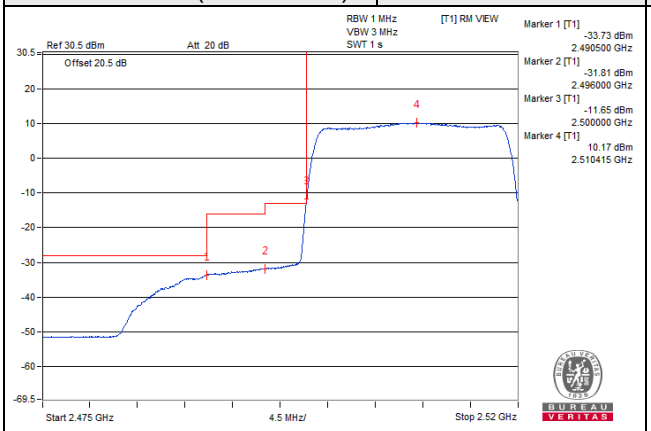
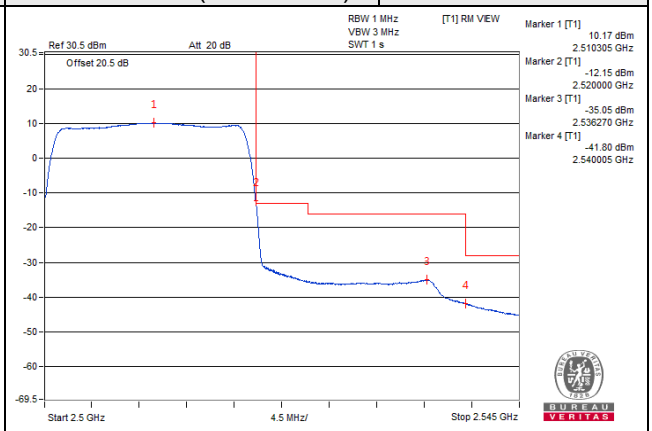
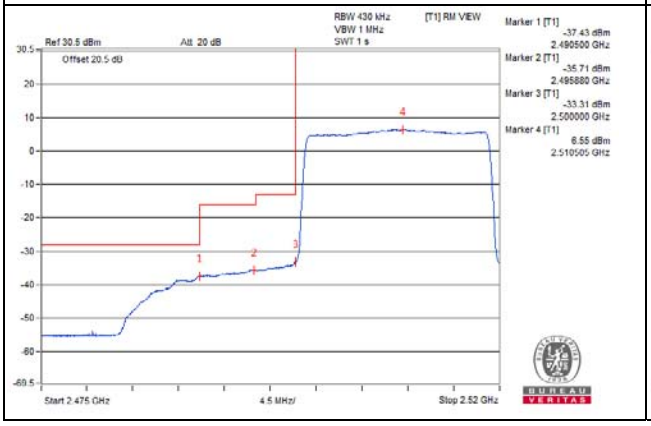
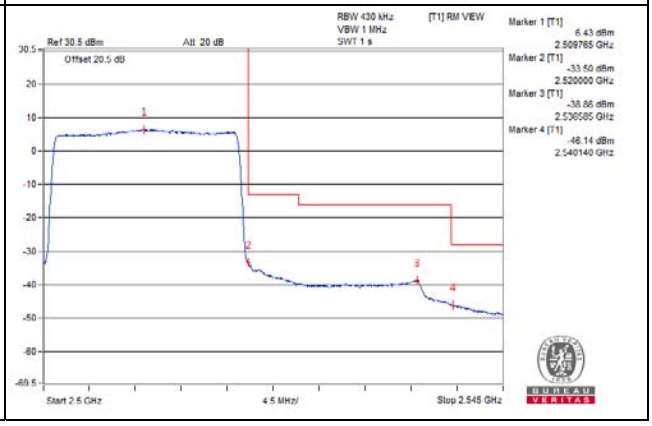
Channel Bandwidth: 15MHz			
Channel 40040 (2535.0MHz)	1 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	1 RB / 74 RB Offset
			
			
Channel 40040 (2535.0MHz)	75 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	75 RB / 0 RB Offset
			
			

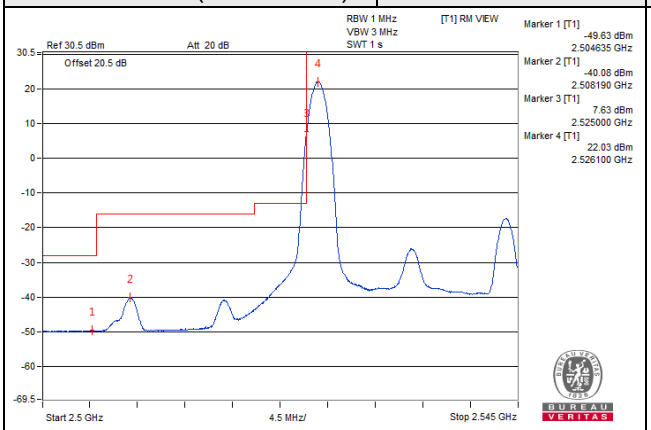
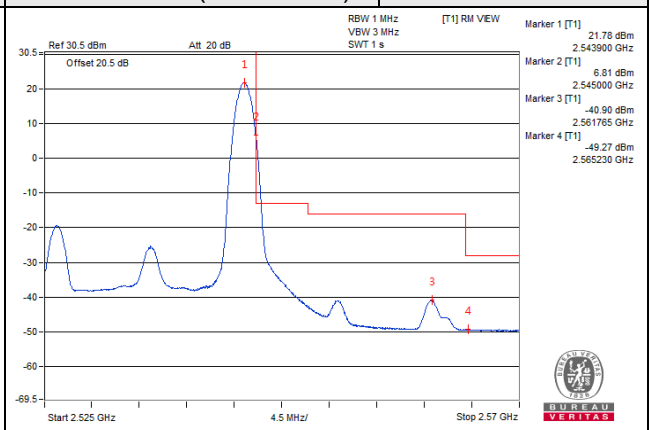
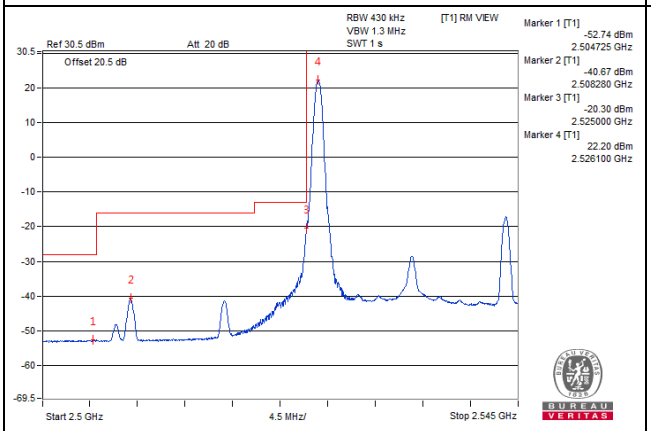
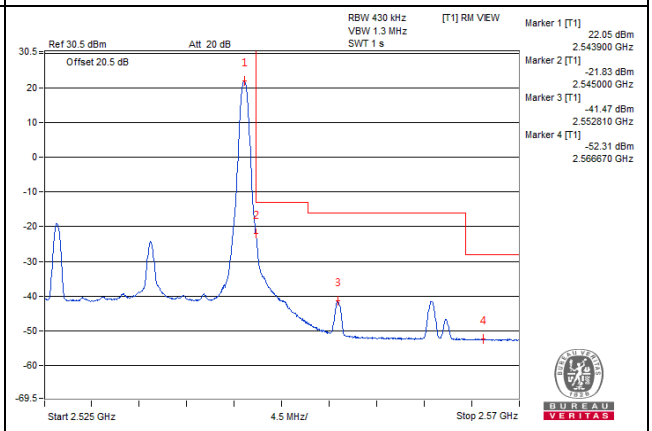
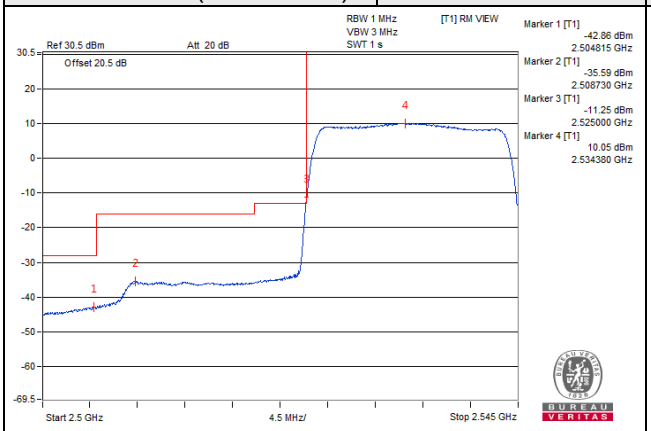
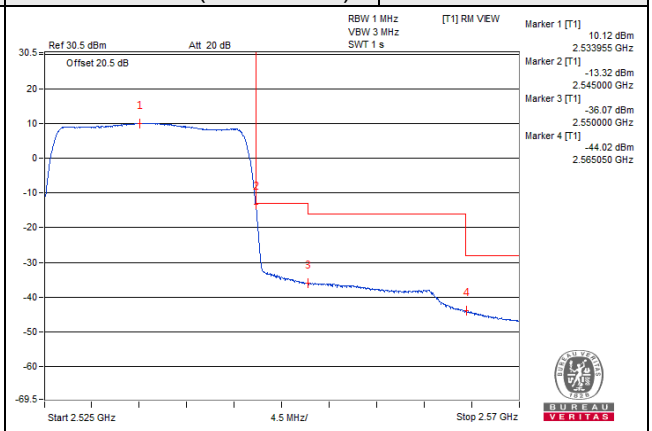
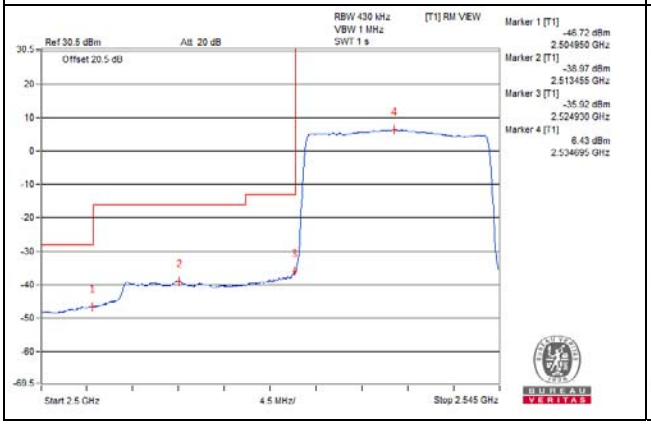
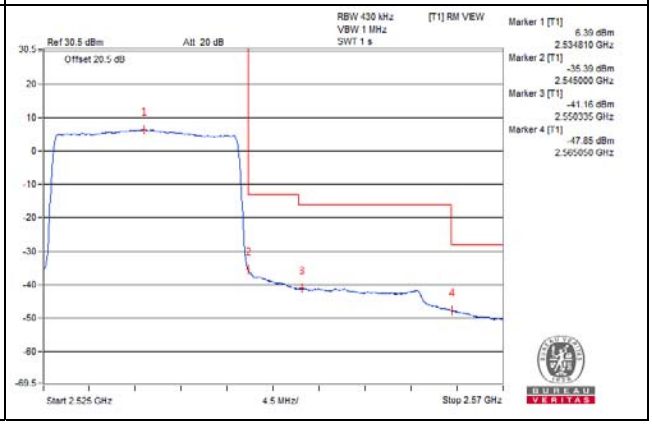
Channel Bandwidth: 15MHz			
Channel 40315 (2562.5MHz)	1 RB / 0 RB Offset	Channel 40315 (2562.5MHz)	1 RB / 74 RB Offset
			
			
Channel 40315 (2562.5MHz)	75 RB / 0 RB Offset	Channel 40315 (2562.5MHz)	75 RB / 0 RB Offset
			
			

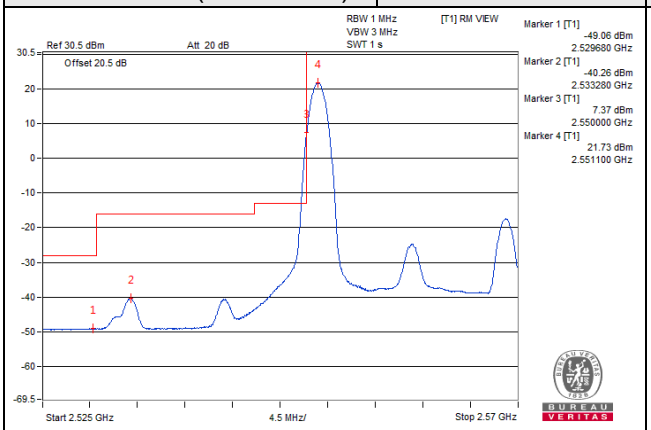
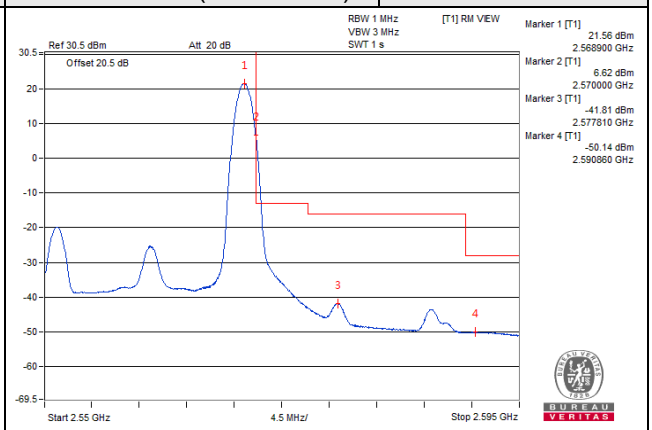
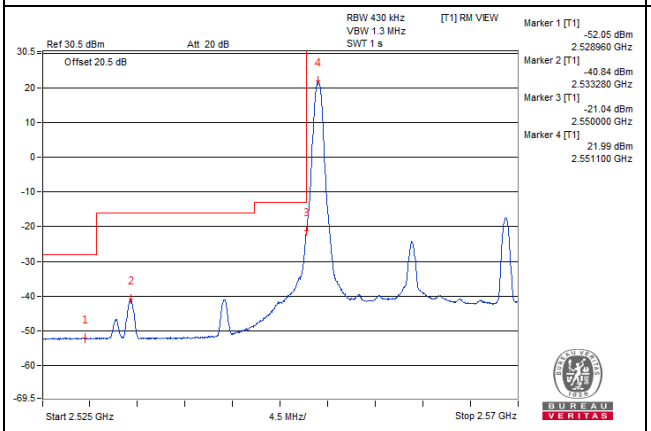
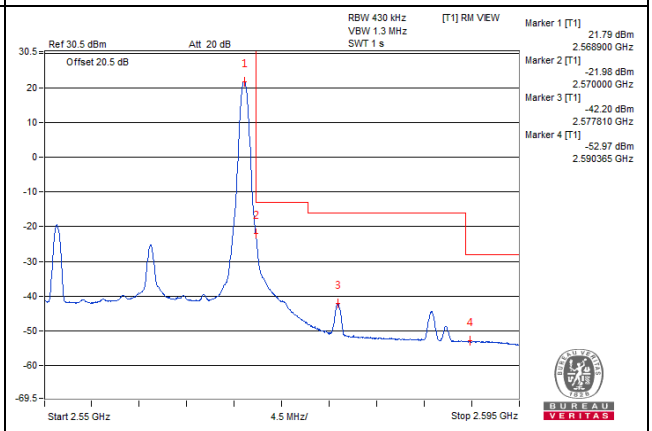
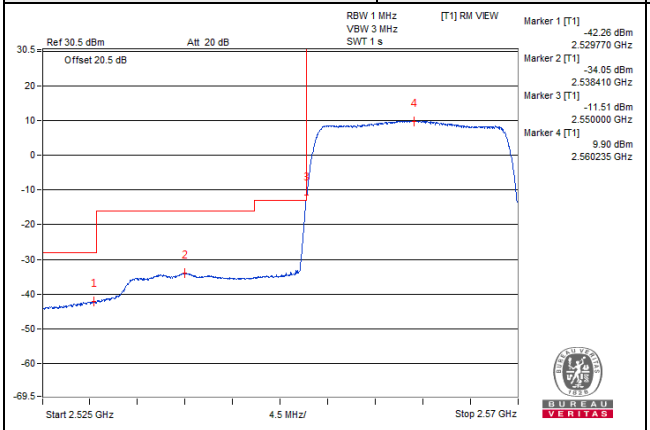
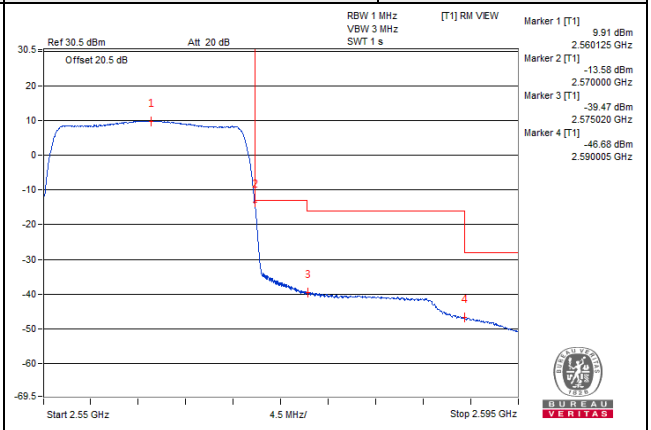
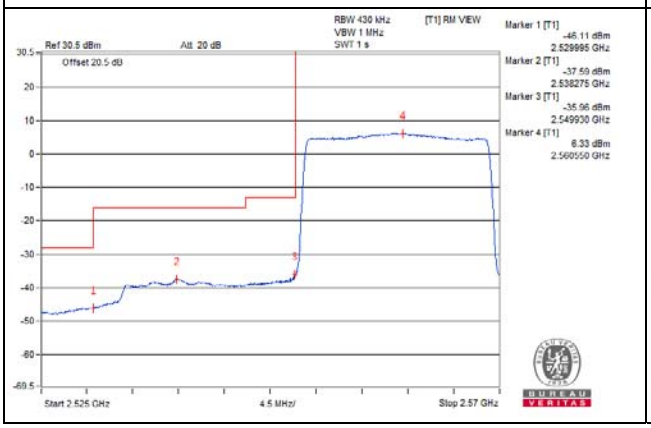
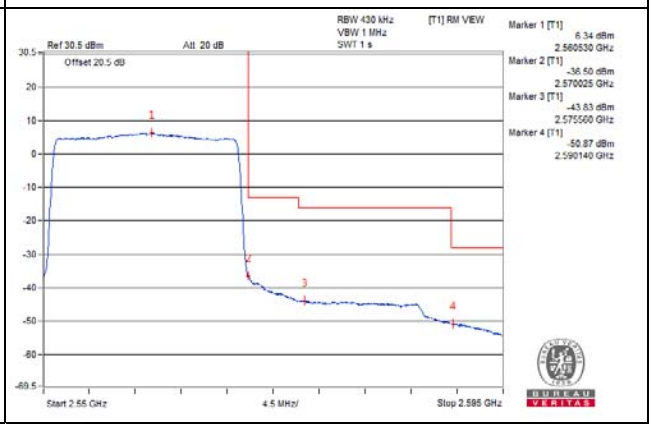
Channel Bandwidth: 15MHz			
Channel 40965 (2627.5MHz)	1 RB / 0 RB Offset	Channel 40965 (2627.5MHz)	1 RB / 74 RB Offset
			
			
Channel 40965 (2627.5MHz)	75 RB / 0 RB Offset	Channel 40965 (2627.5MHz)	75 RB / 0 RB Offset
			
			

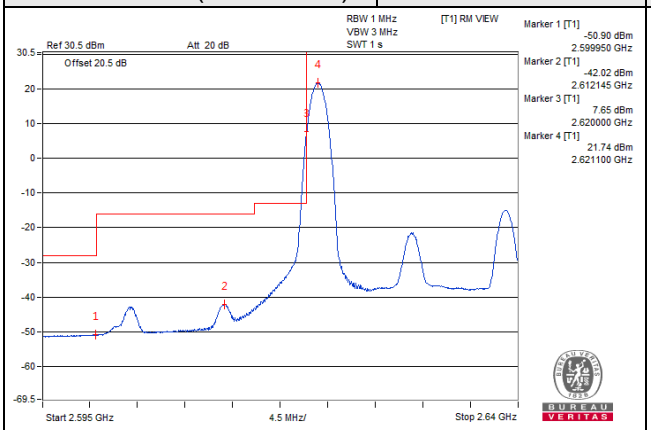
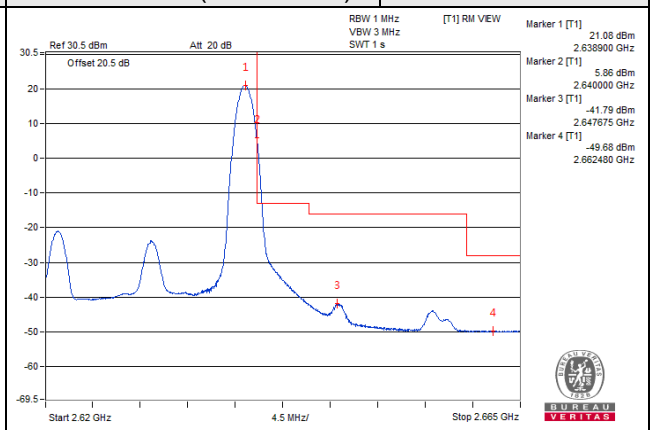
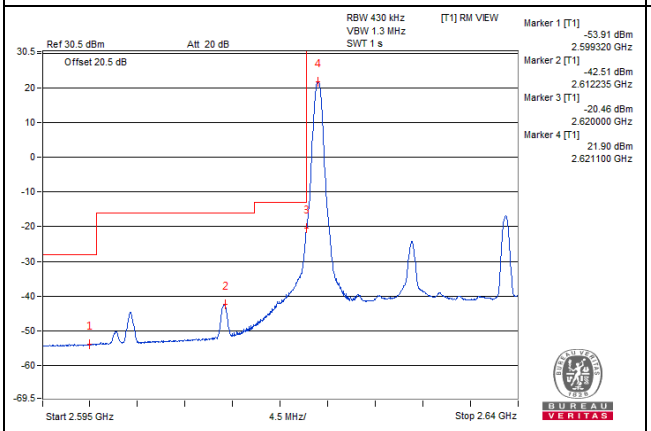
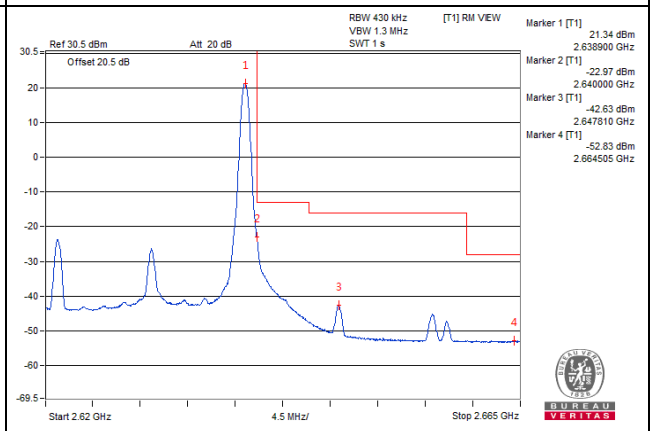
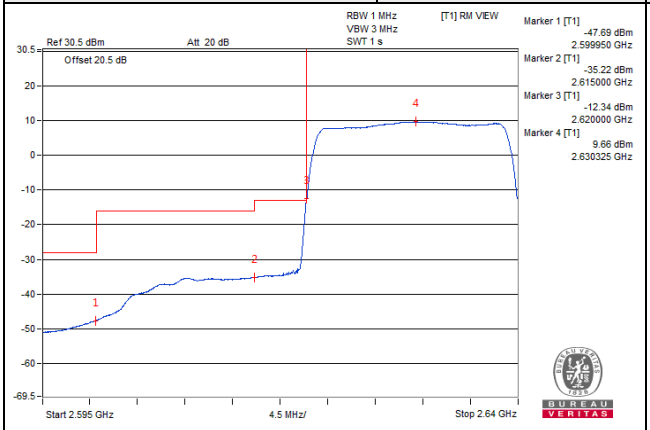
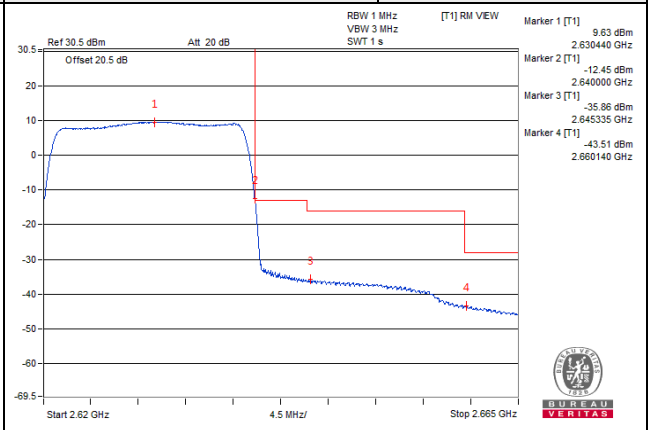
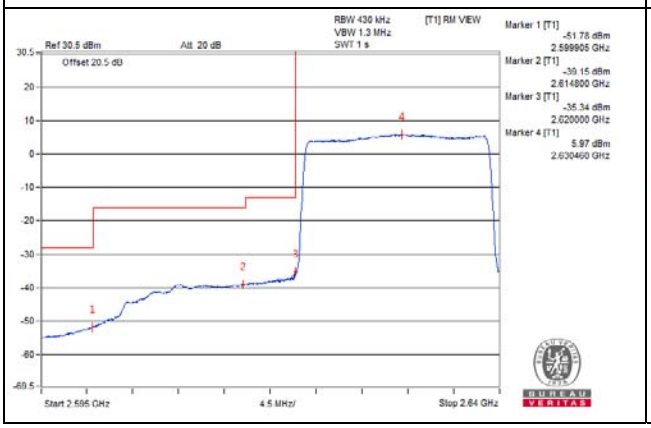
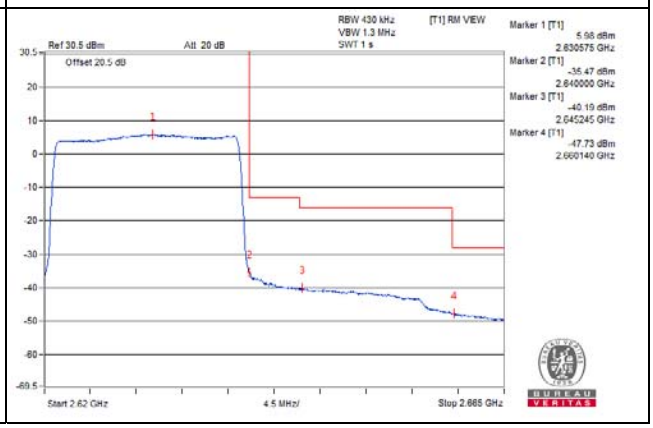
Channel Bandwidth: 15MHz			
Channel 41240 (2655.0MHz)	1 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	1 RB / 74 RB Offset
			
			
Channel 41240 (2655.0MHz)	75 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	75 RB / 0 RB Offset
			
			

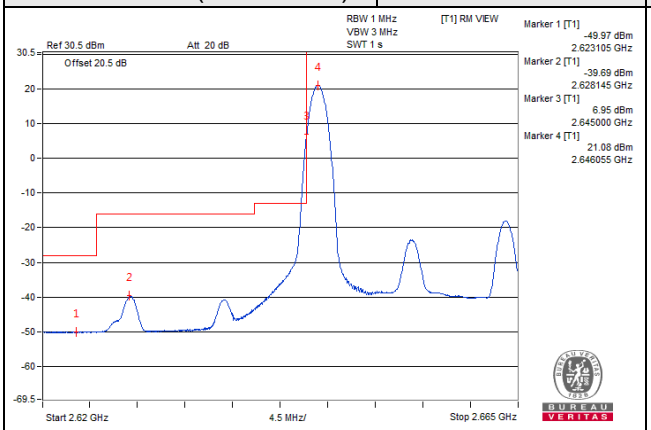
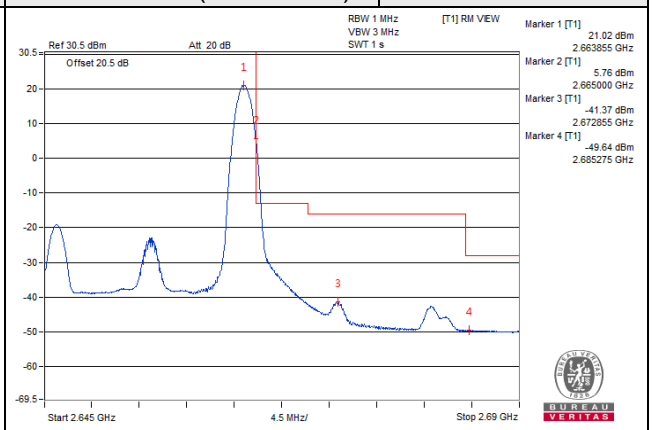
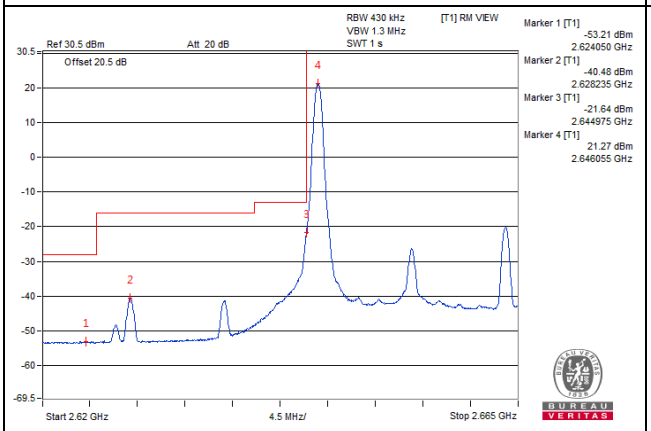
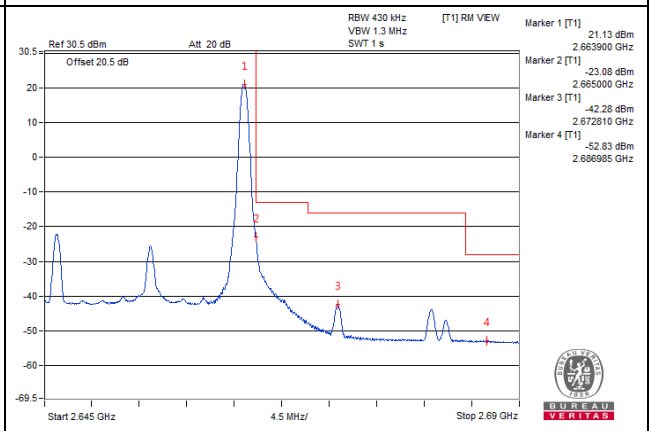
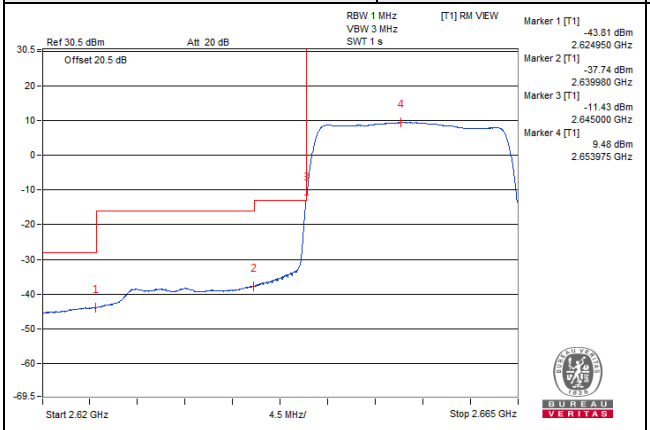
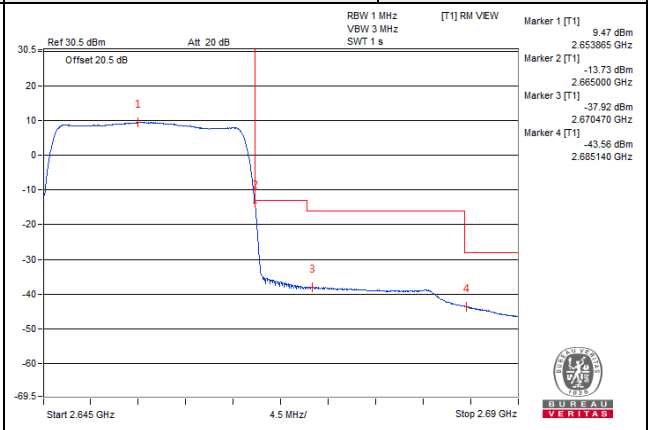
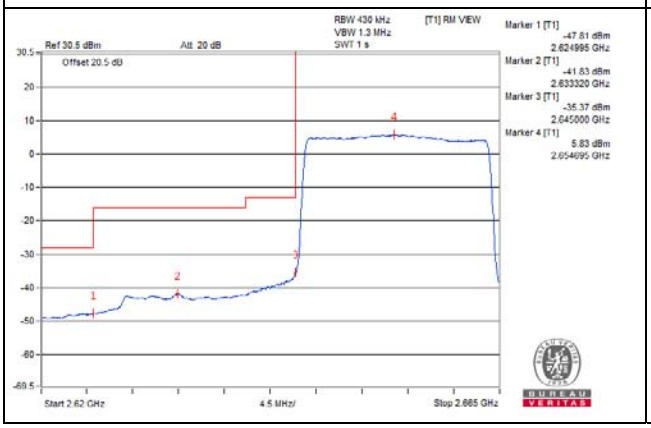
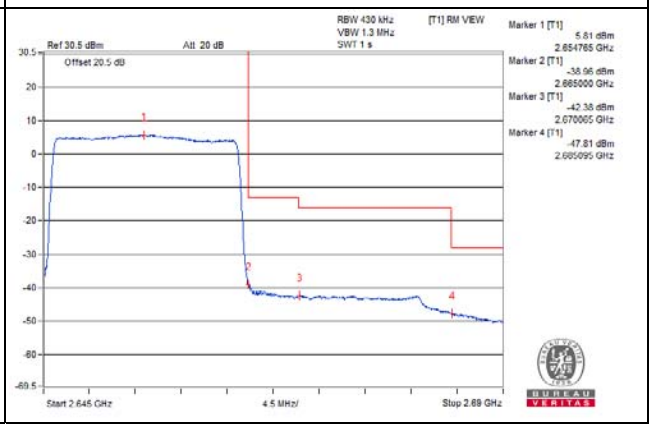
Channel Bandwidth: 15MHz			
Channel 41515 (2682.5MHz)	1 RB / 0 RB Offset	Channel 41515 (2682.5MHz)	1 RB / 74 RB Offset
			
			
Channel 41515 (2682.5MHz)	75 RB / 0 RB Offset	Channel 41515 (2682.5MHz)	75 RB / 0 RB Offset
			
			

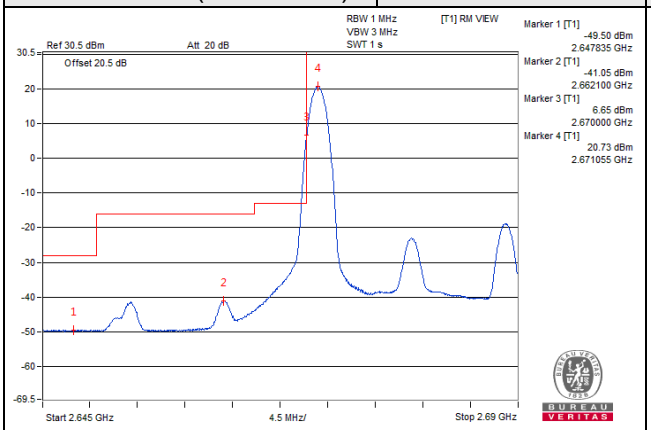
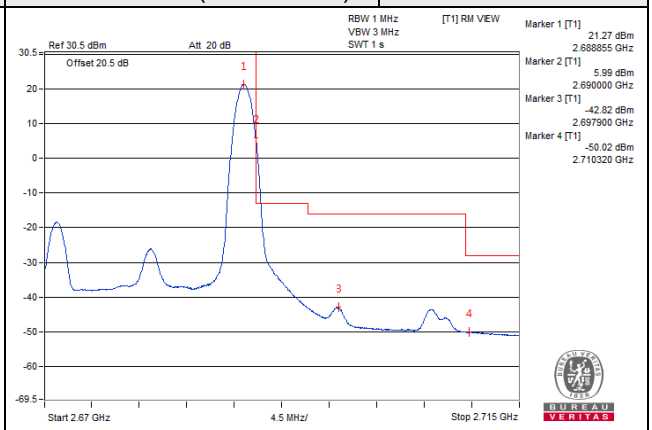
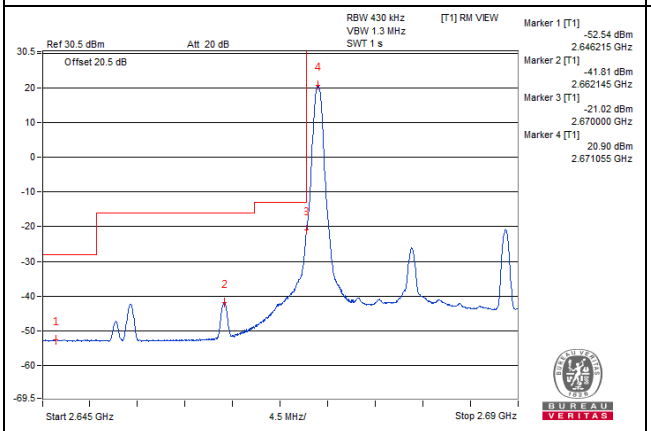
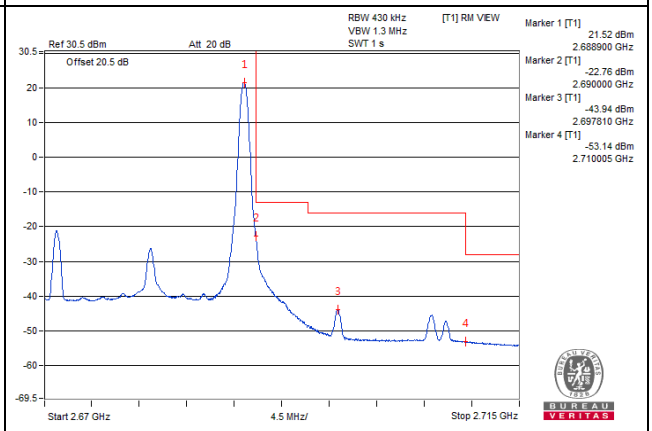
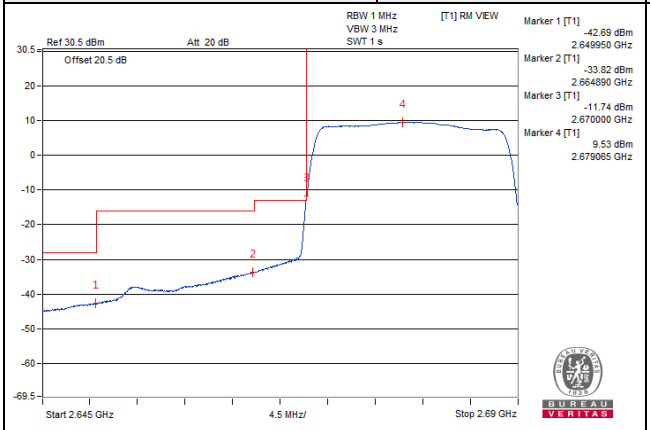
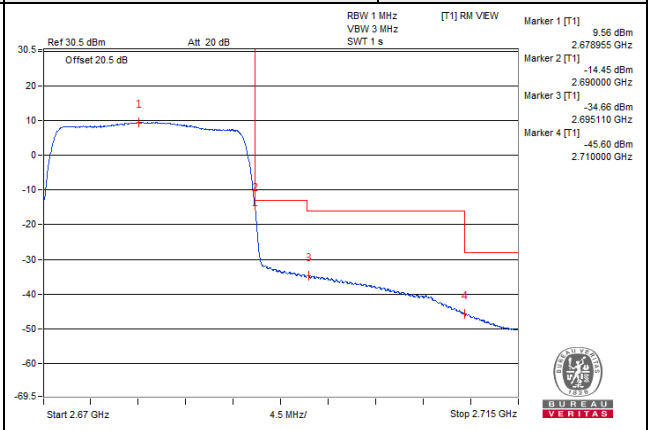
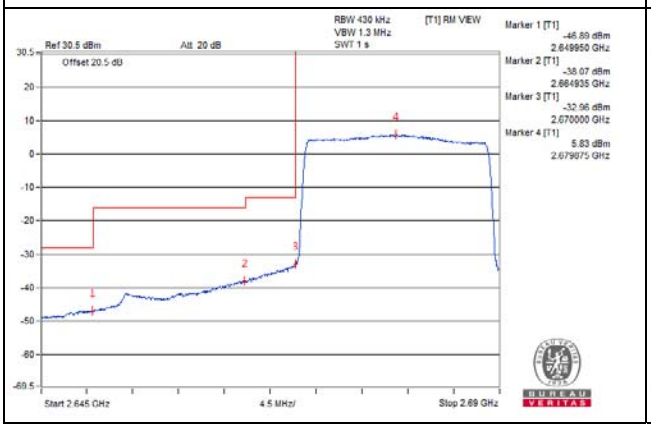
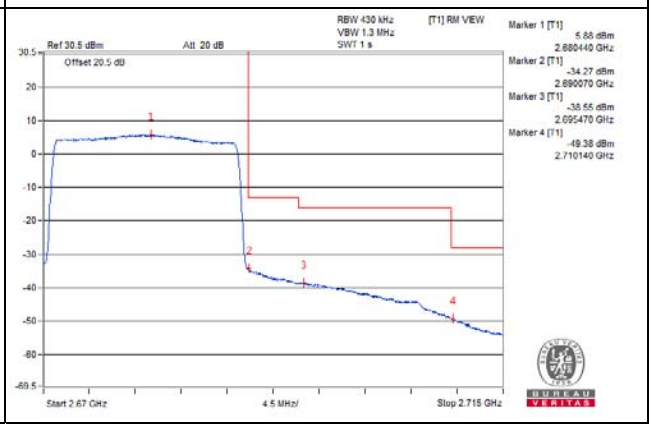
Channel Bandwidth: 20MHz			
Channel 39790 (2510.0MHz)	1 RB / 0 RB Offset	Channel 39790 (2510.0MHz)	1 RB / 99 RB Offset
			
			
Channel 39790 (2510.0MHz)	100 RB / 0 RB Offset	Channel 39790 (2510.0MHz)	100 RB / 0 RB Offset
			
			

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
			
			

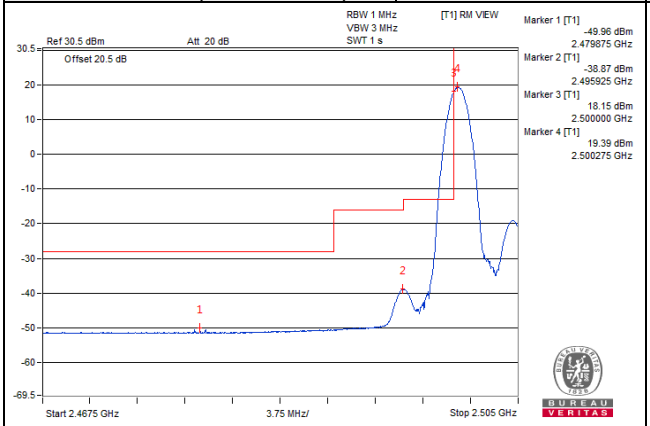
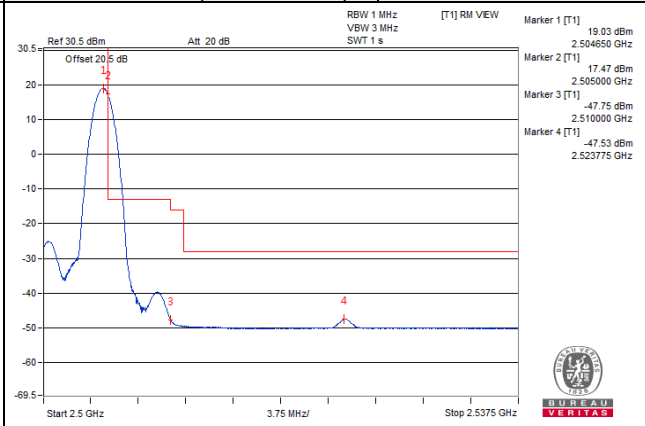
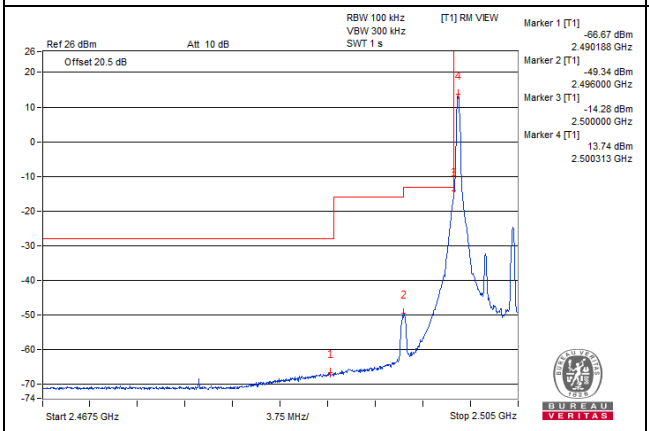
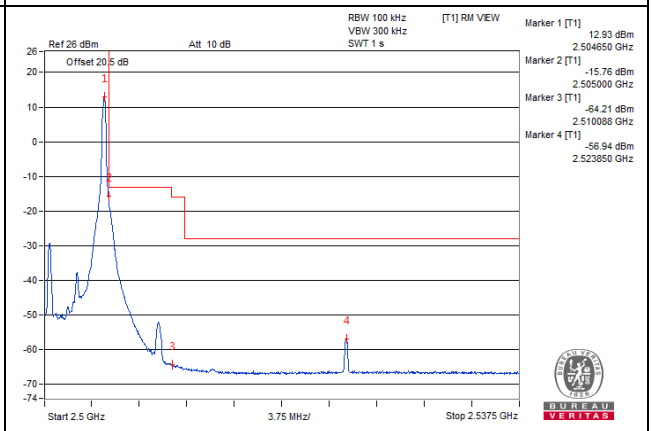
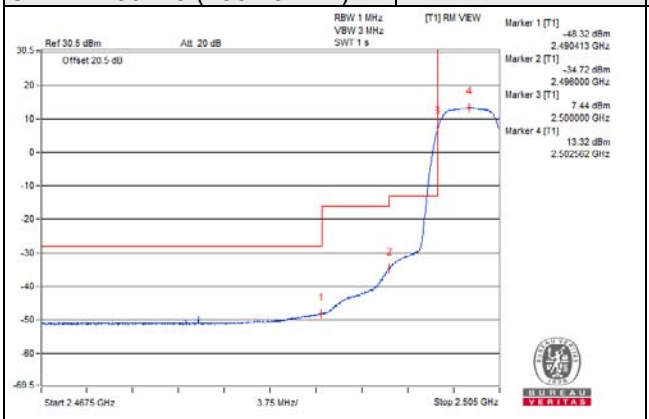
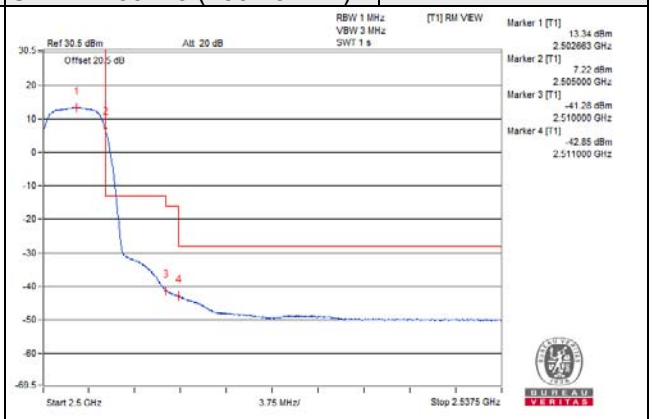
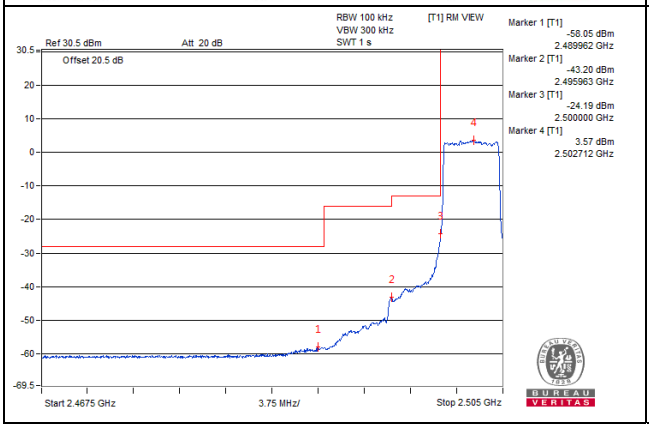
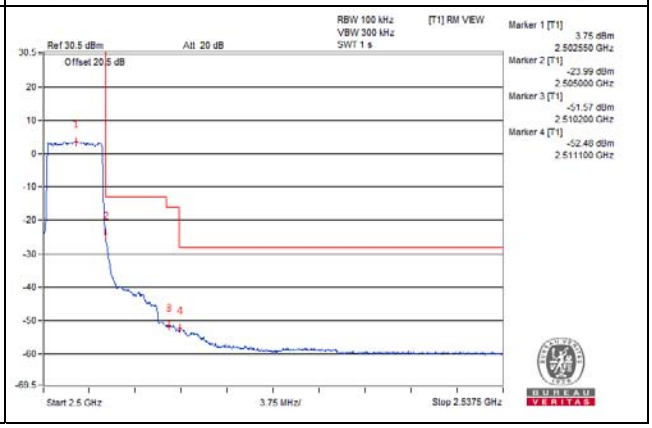
Channel Bandwidth: 20MHz			
Channel 40290 (2560.0MHz)	1 RB / 0 RB Offset	Channel 40290 (2560.0MHz)	1 RB / 99 RB Offset
			
			
Channel 40290 (2560.0MHz)	100 RB / 0 RB Offset	Channel 40290 (2560.0MHz)	100 RB / 0 RB Offset
			
			

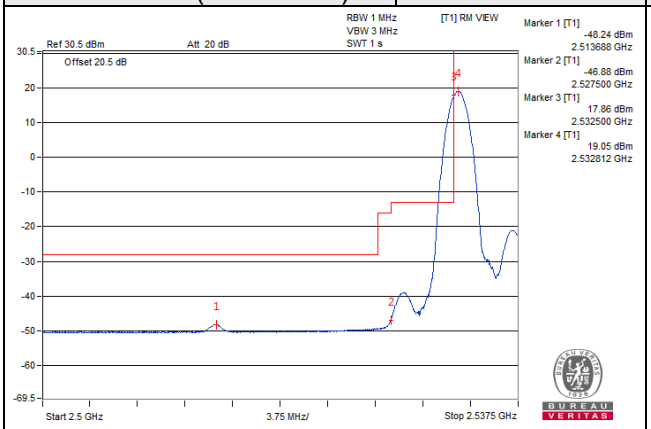
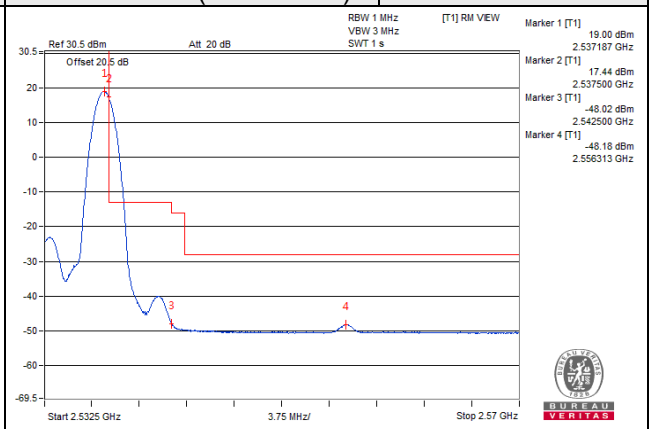
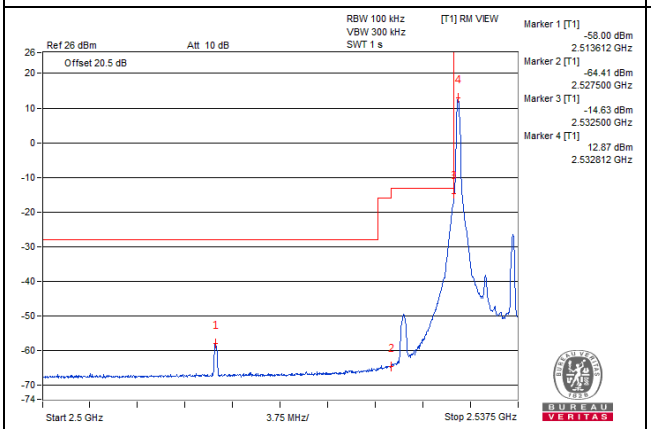
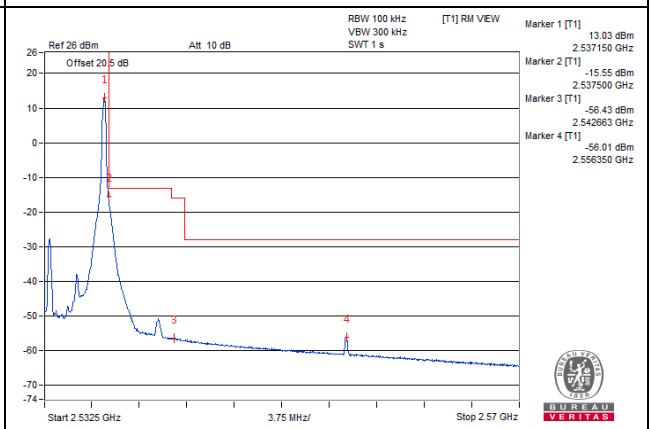
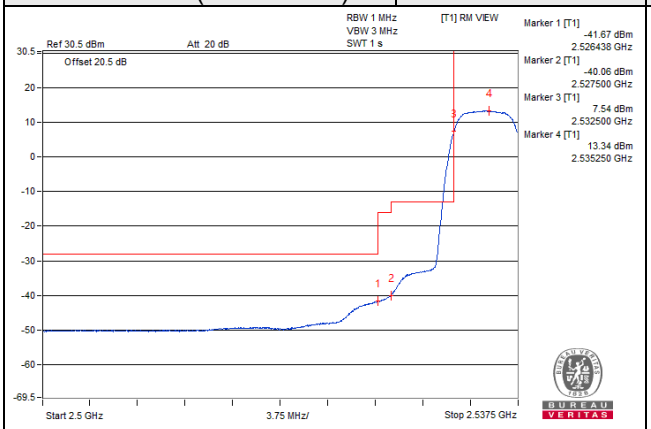
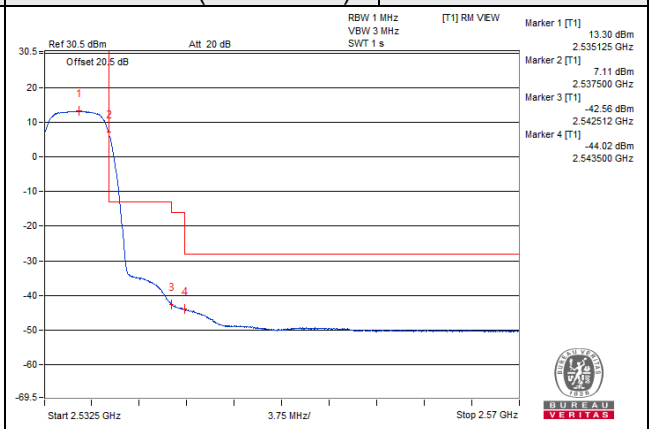
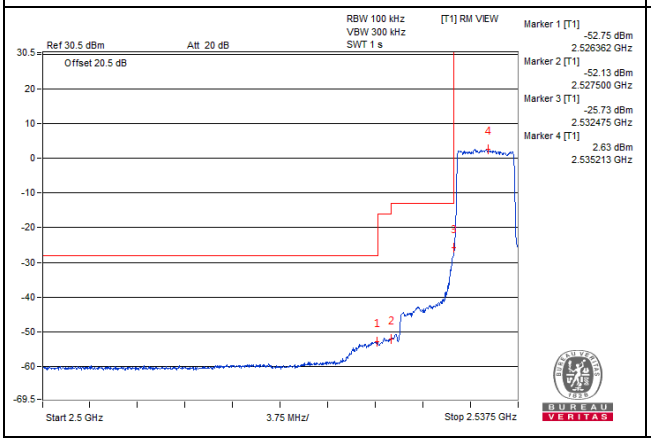
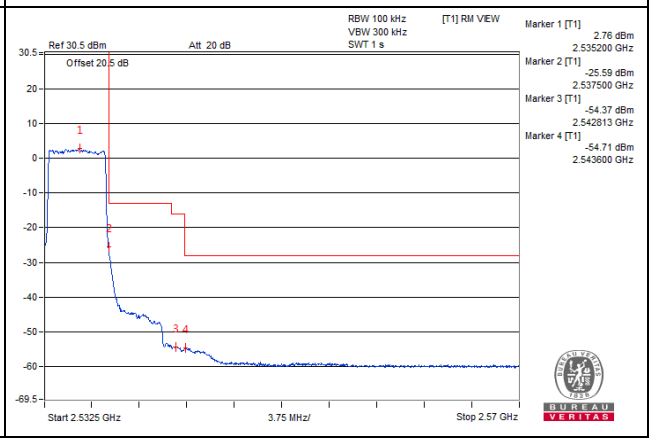
Channel Bandwidth: 20MHz			
Channel 40990 (2630.0MHz)	1 RB / 0 RB Offset	Channel 40990 (2630.0MHz)	1 RB / 99 RB Offset
			
			
Channel 40990 (2630.0MHz)	100 RB / 0 RB Offset	Channel 40990 (2630.0MHz)	100 RB / 0 RB Offset
			
			

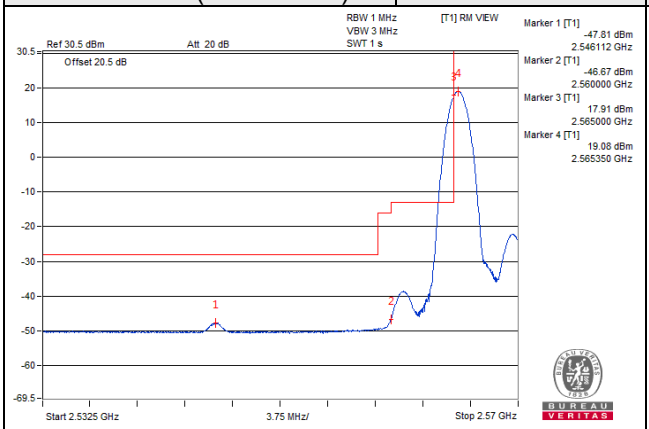
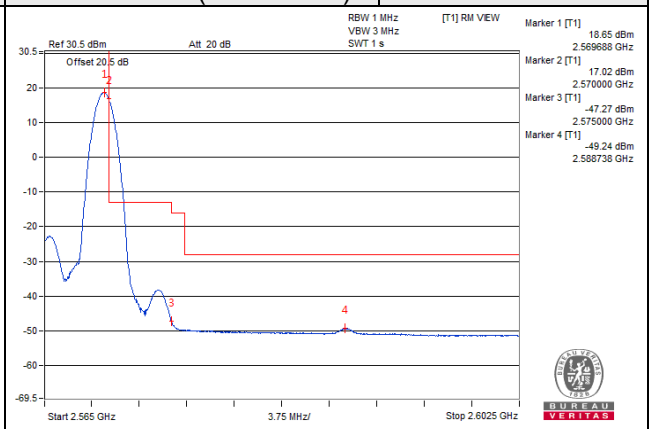
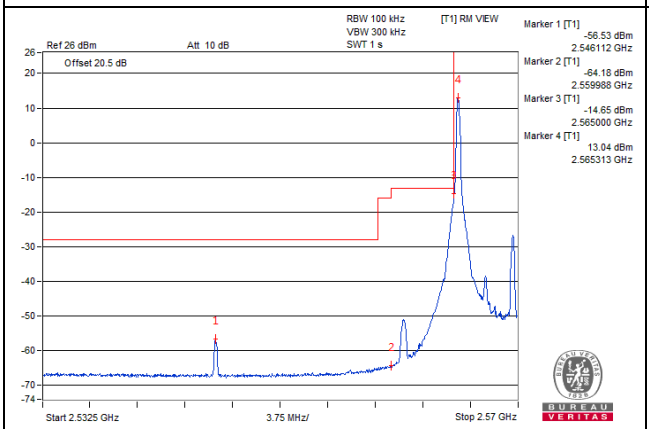
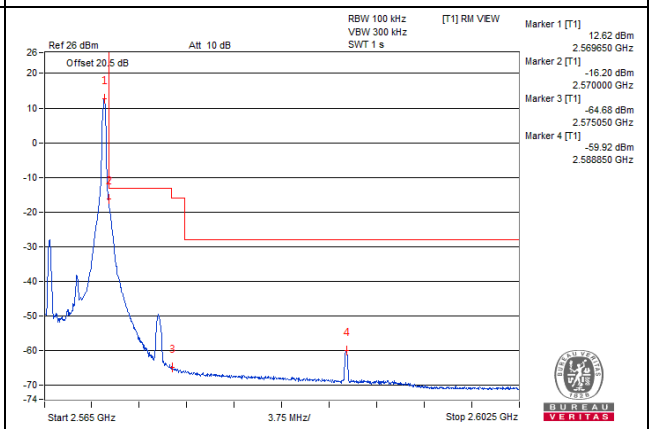
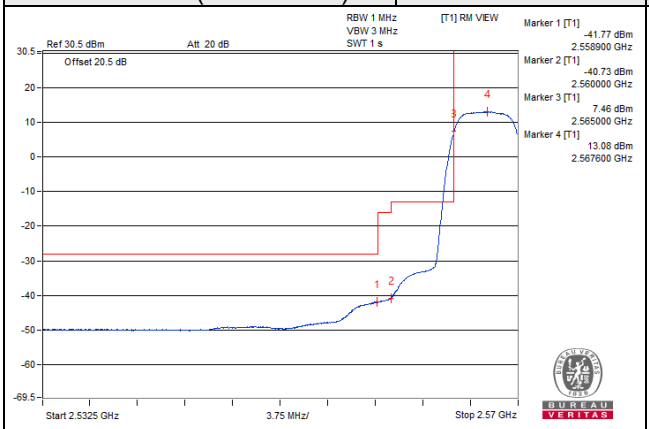
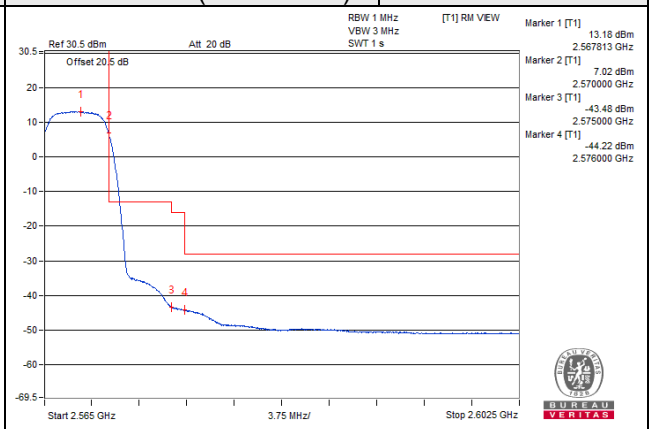
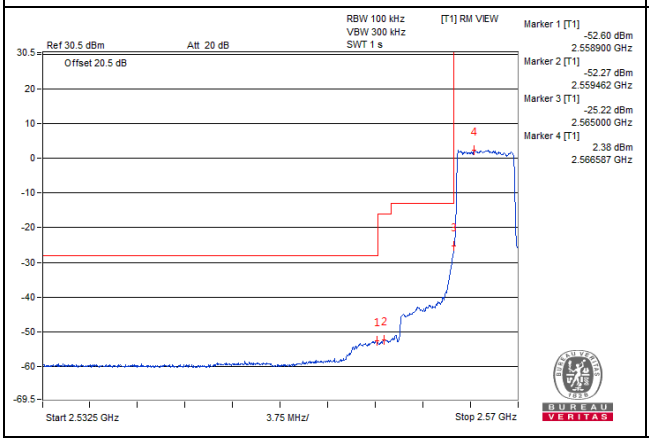
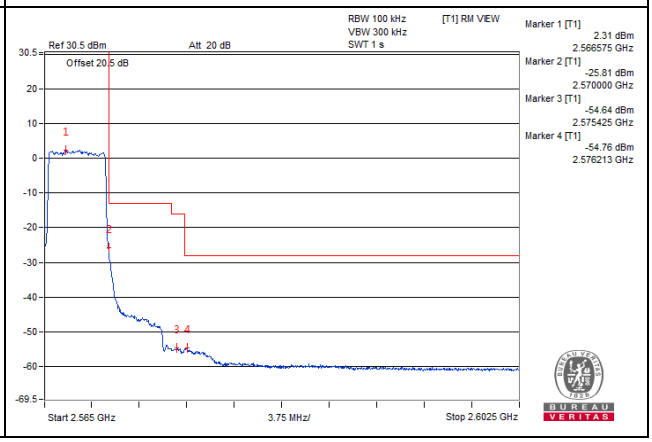
Channel Bandwidth: 20MHz			
Channel 41240 (2655.0MHz)	1 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	1 RB / 99 RB Offset
			
			
Channel 41240 (2655.0MHz)	100 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	100 RB / 0 RB Offset
			
			

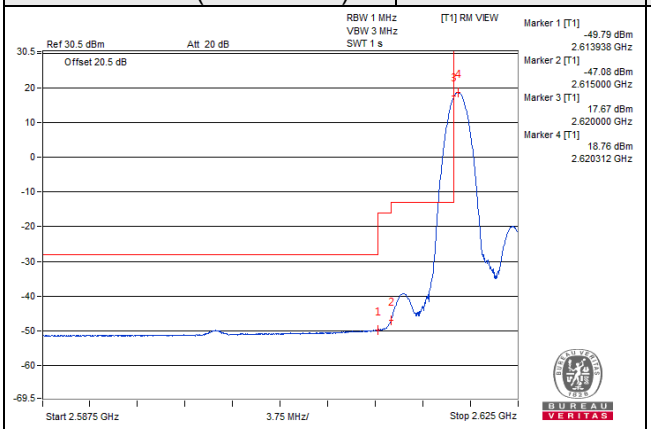
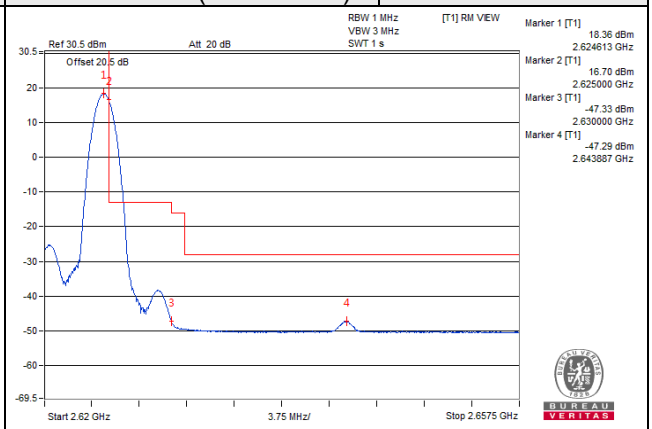
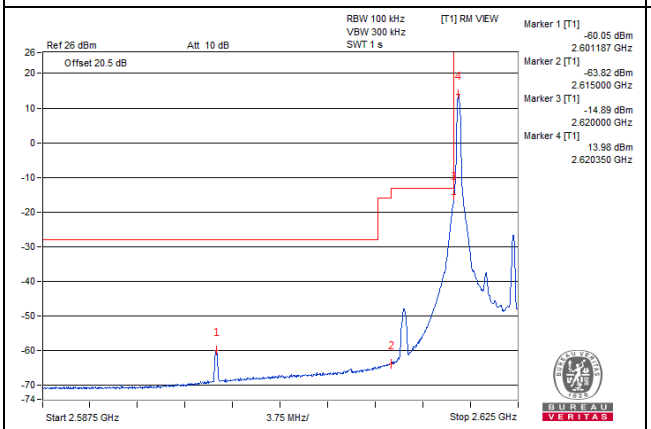
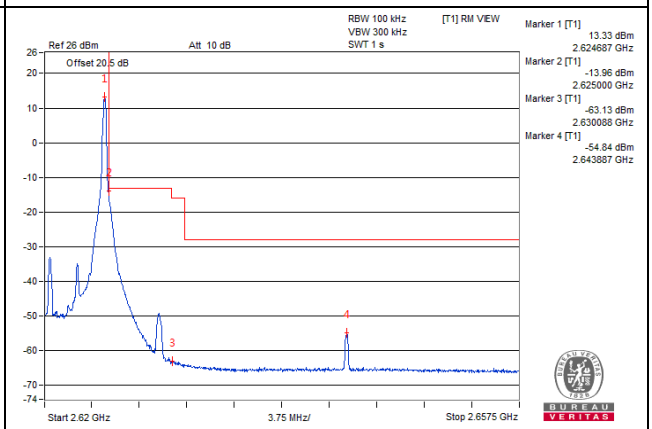
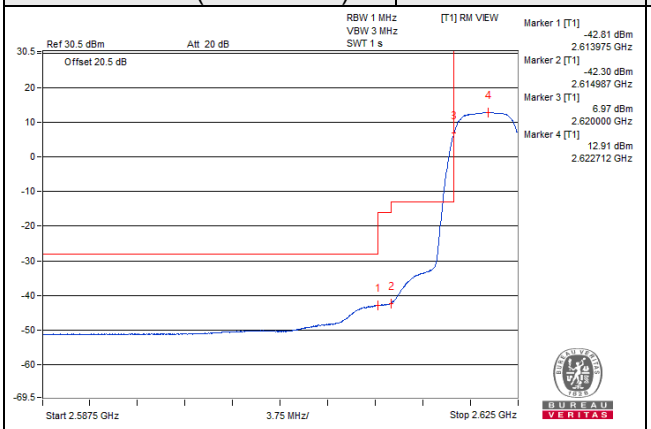
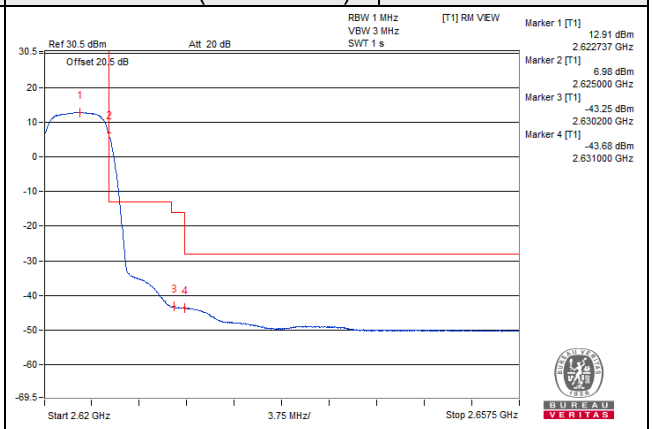
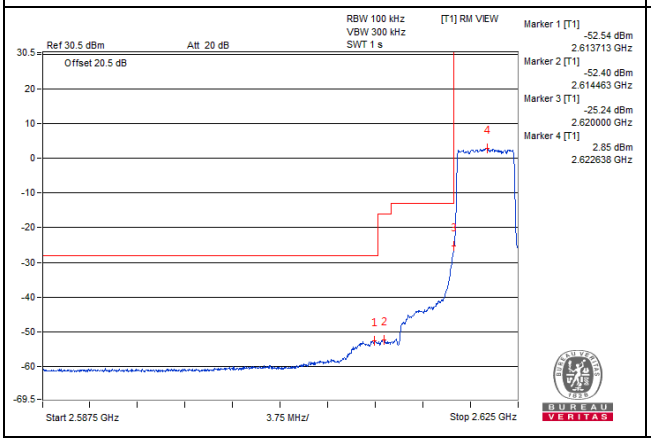
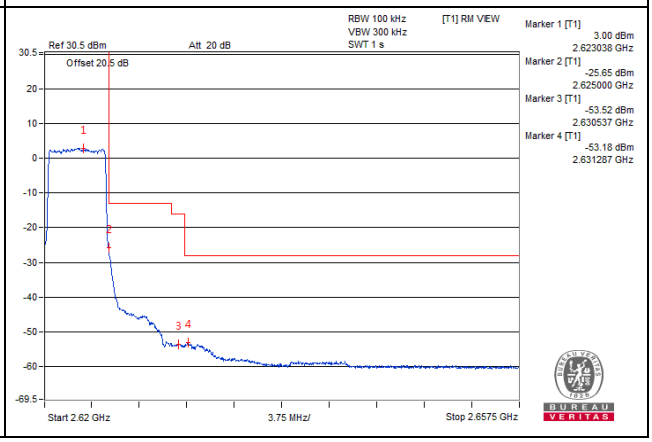
Channel Bandwidth: 20MHz			
Channel 41490 (2680.0MHz)	1 RB / 0 RB Offset	Channel 41490 (2680.0MHz)	1 RB / 99 RB Offset
			
			
Channel 41490 (2680.0MHz)	100 RB / 0 RB Offset	Channel 41490 (2680.0MHz)	100 RB / 0 RB Offset
			
			

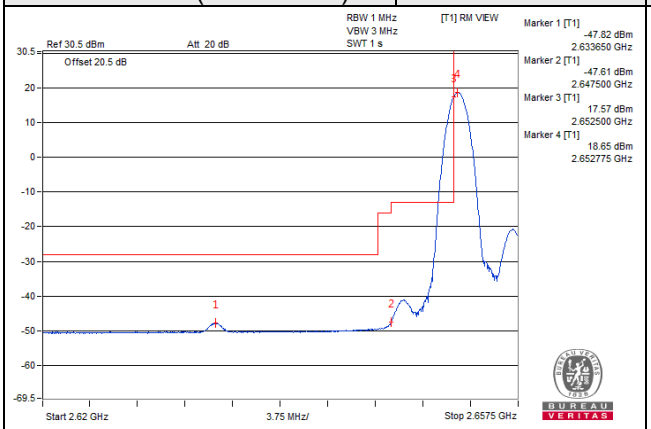
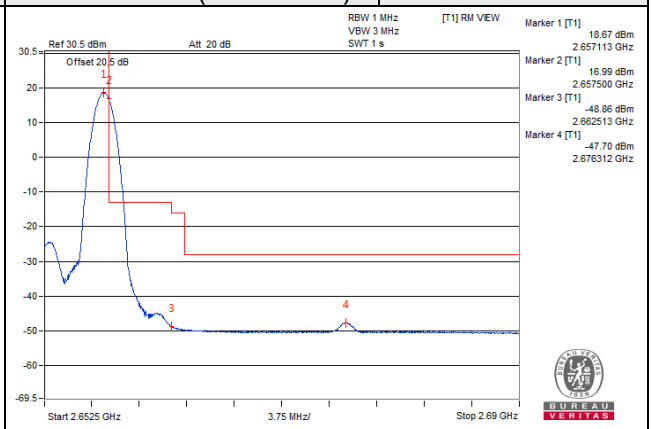
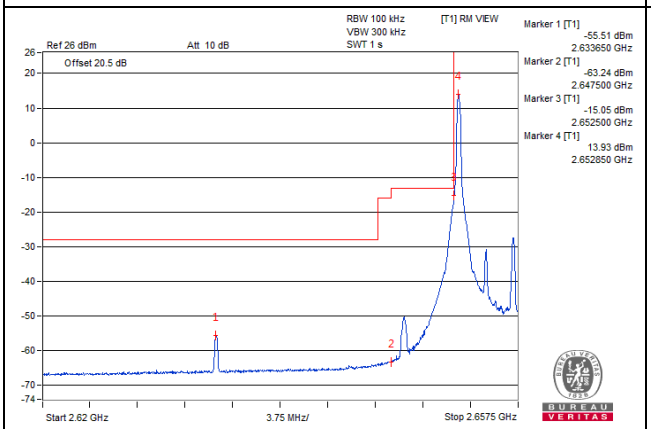
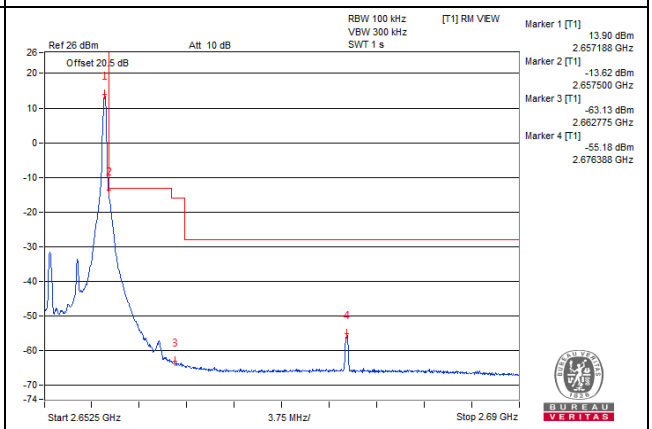
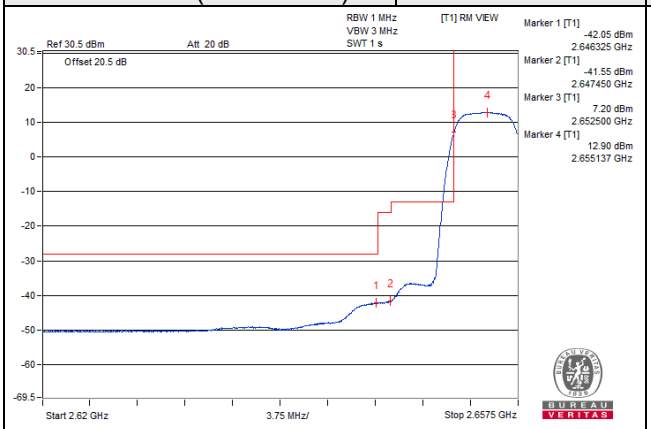
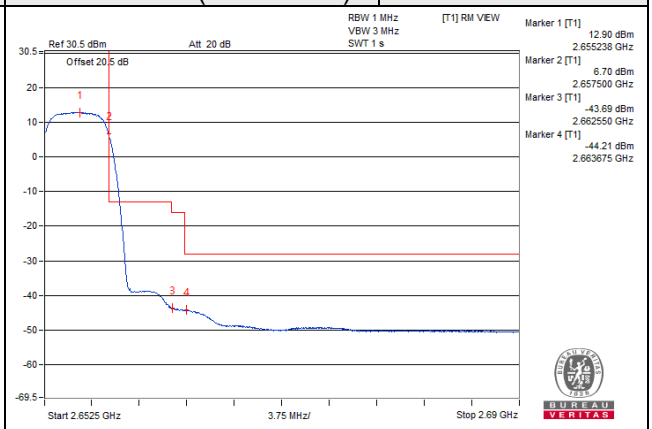
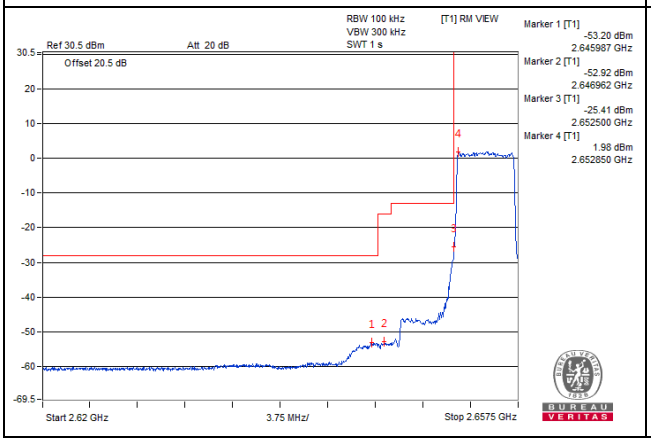
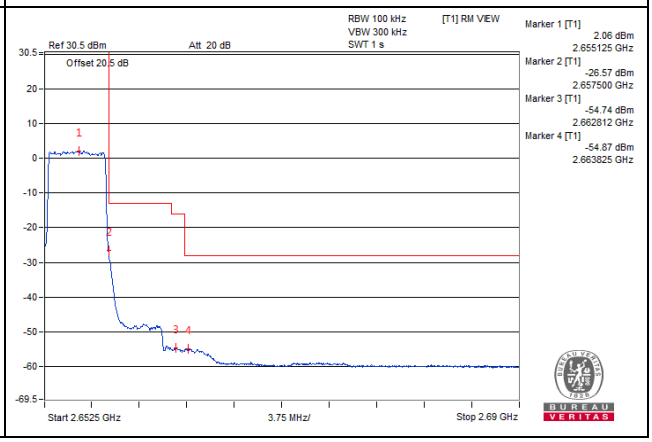
Chain 1 / QPSK

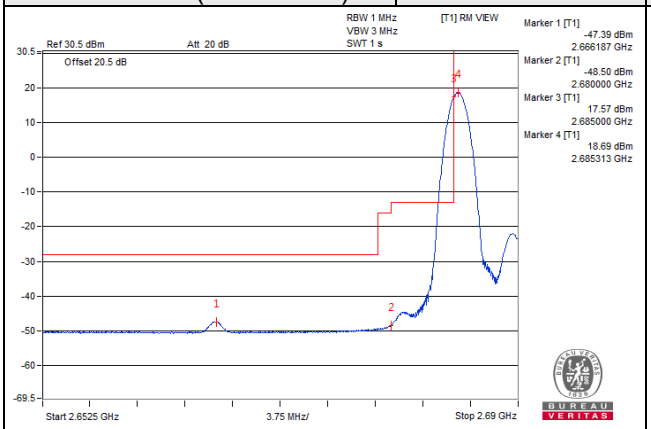
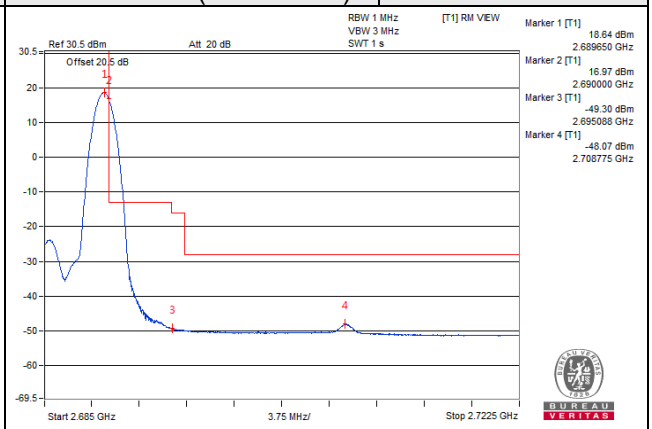
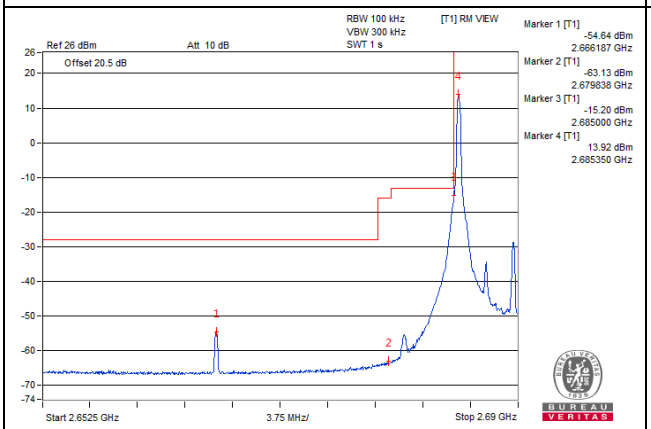
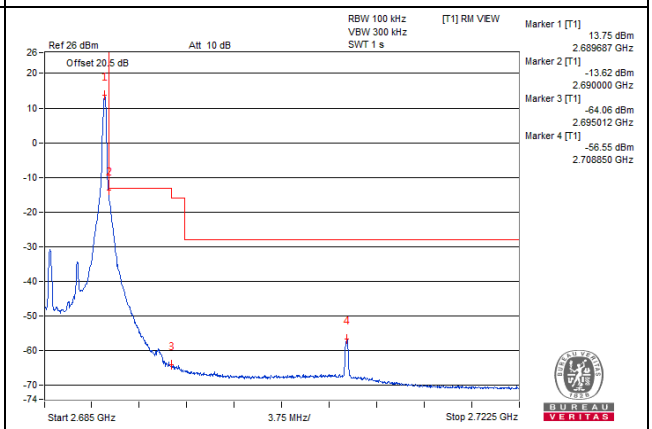
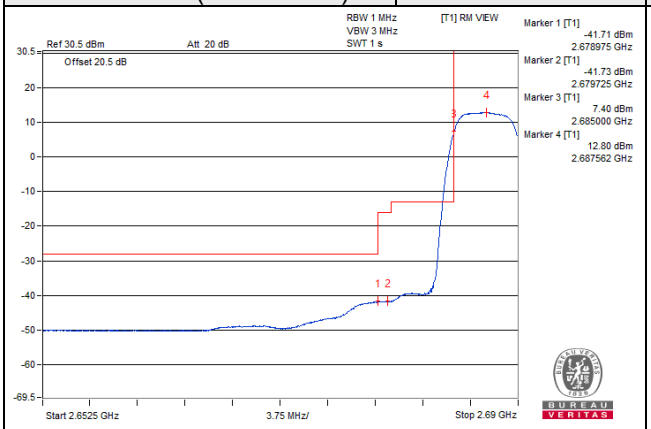
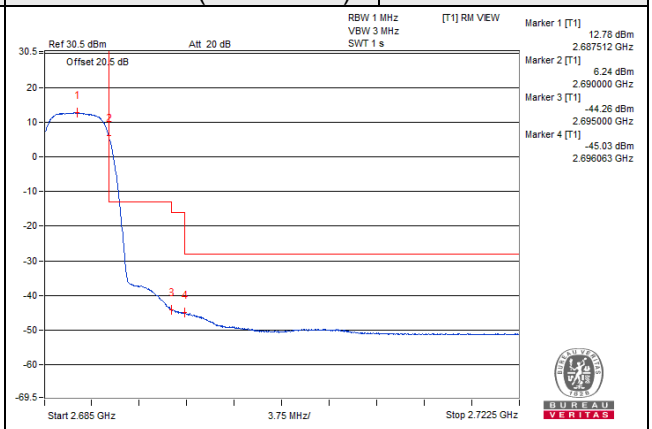
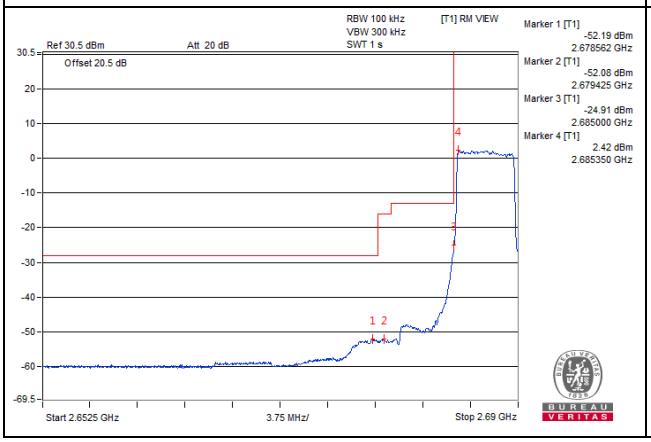
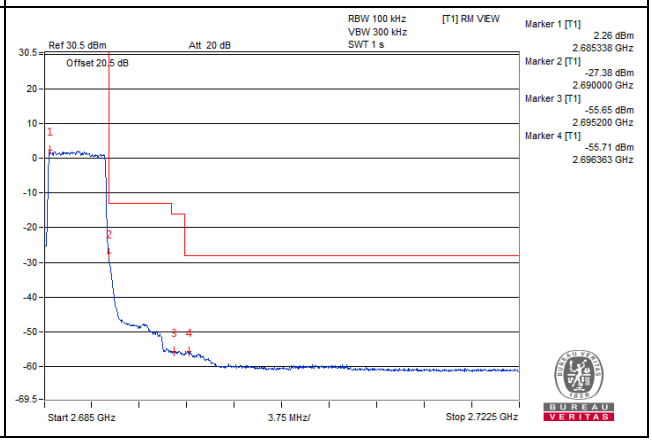
Channel Bandwidth: 5MHz			
Channel 39715 (2502.5MHz)	1 RB / 0 RB Offset	Channel 39715 (2502.5MHz)	1 RB / 24 RB Offset
			
			
Channel 39715 (2502.5MHz)	25 RB / 0 RB Offset	Channel 39715 (2502.5MHz)	25 RB / 0 RB Offset
			
			

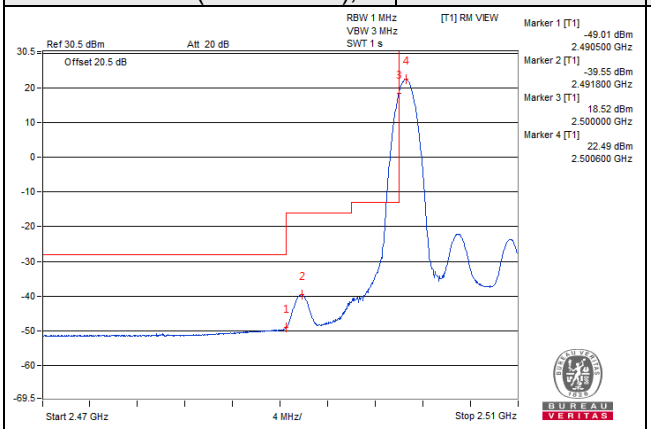
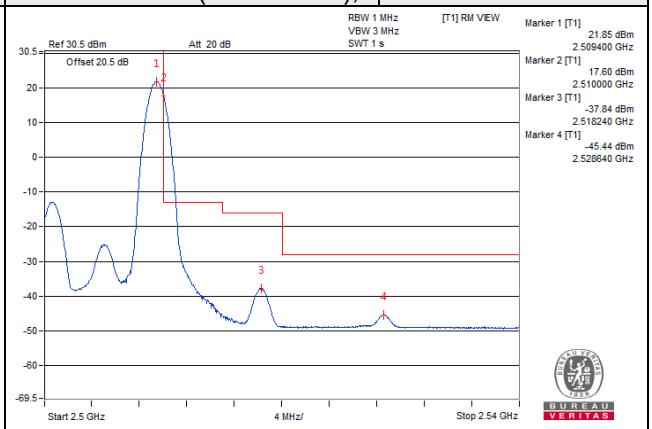
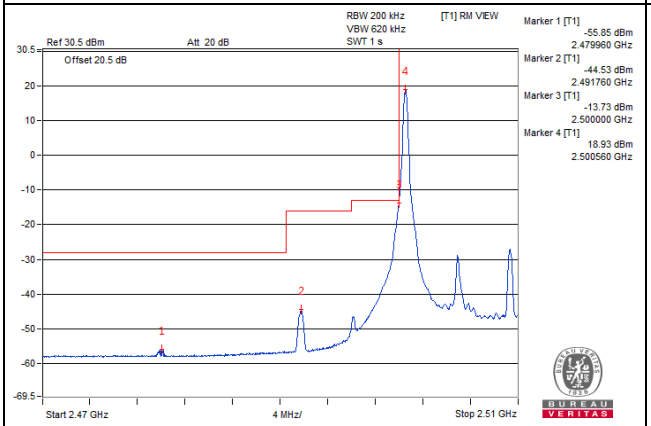
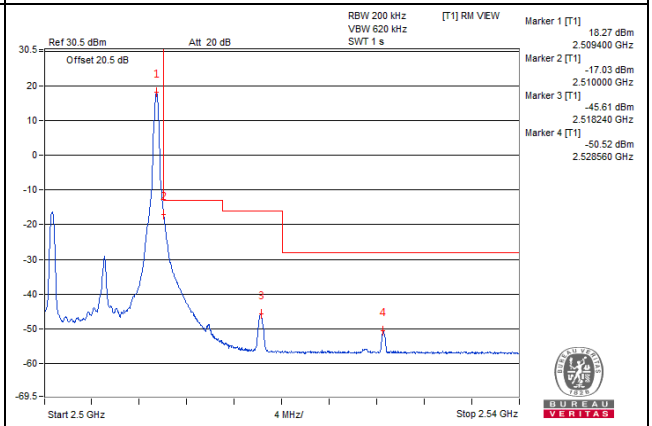
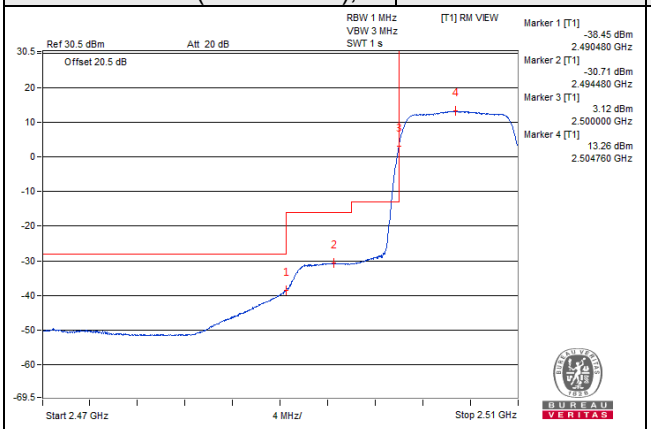
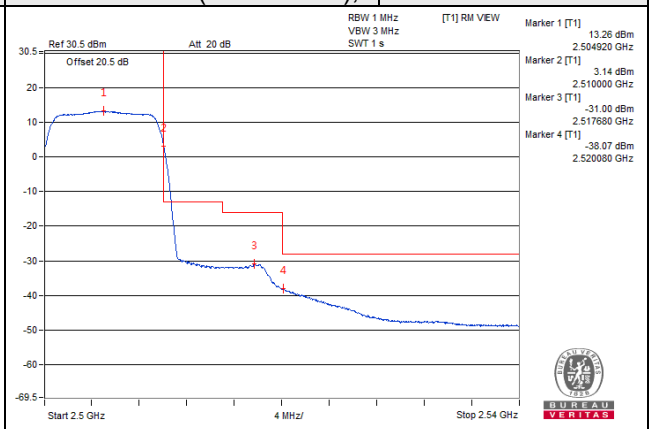
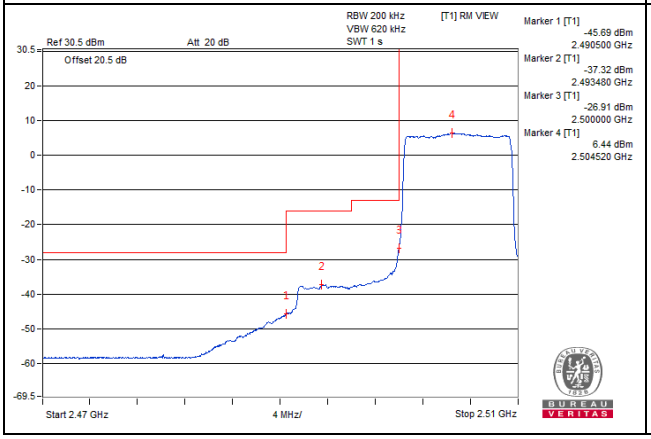
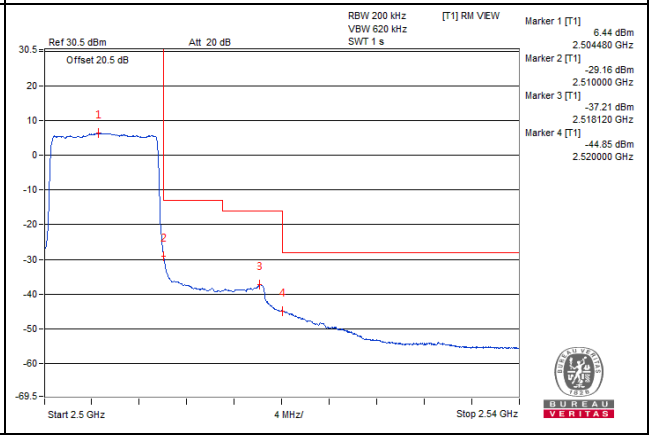
Channel Bandwidth: 5MHz			
Channel 40040 (2535.0MHz)	1 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	1 RB / 24 RB Offset
			
			
Channel 40040 (2535.0MHz)	25 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	25 RB / 0 RB Offset
			
			

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
			
			

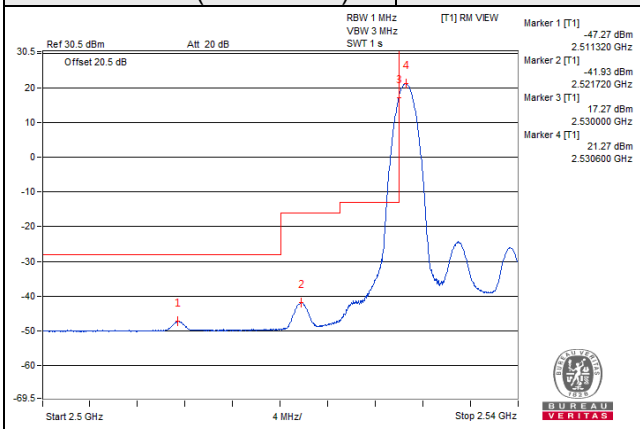
Channel Bandwidth: 5MHz			
Channel 40915 (2622.5MHz)	1 RB / 0 RB Offset	Channel 40915 (2622.5MHz)	1 RB / 24 RB Offset
			
			
Channel 40915 (2622.5MHz)	25 RB / 0 RB Offset	Channel 40915 (2622.5MHz)	25 RB / 0 RB Offset
			
			

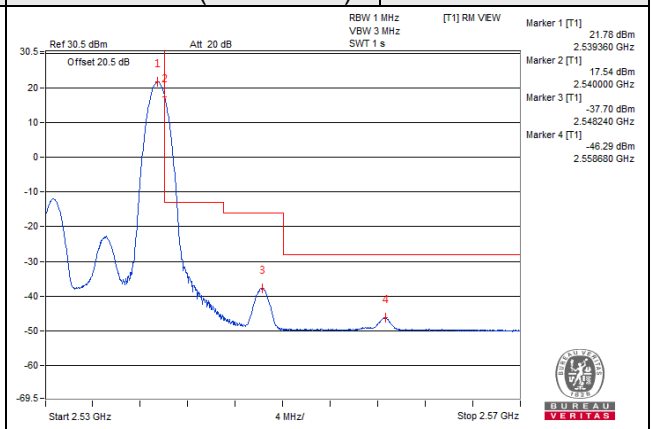
Channel Bandwidth: 5MHz			
Channel 41240 (2655.0MHz)	1 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	1 RB / 24 RB Offset
			
			
Channel 41240 (2655.0MHz)	25 RB / 0 RB Offset	Channel 41240 (2655.0MHz)	25 RB / 0 RB Offset
			
			

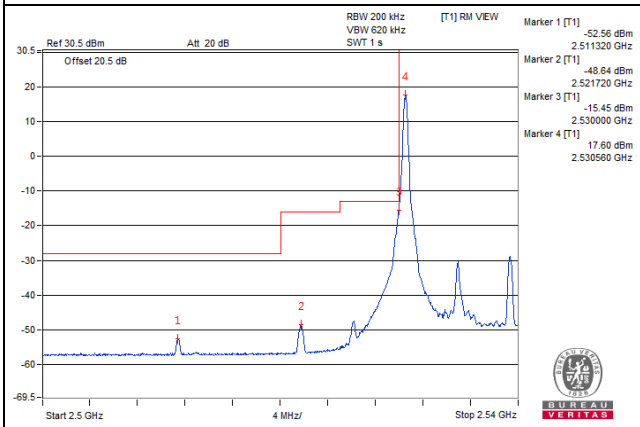
Channel Bandwidth: 5MHz			
Channel 41565 (2687.5MHz)	1 RB / 0 RB Offset	Channel 41565 (2687.5MHz)	1 RB / 24 RB Offset
			
			
Channel 41565 (2687.5MHz)	25 RB / 0 RB Offset	Channel 41565 (2687.5MHz)	25 RB / 0 RB Offset
			
			

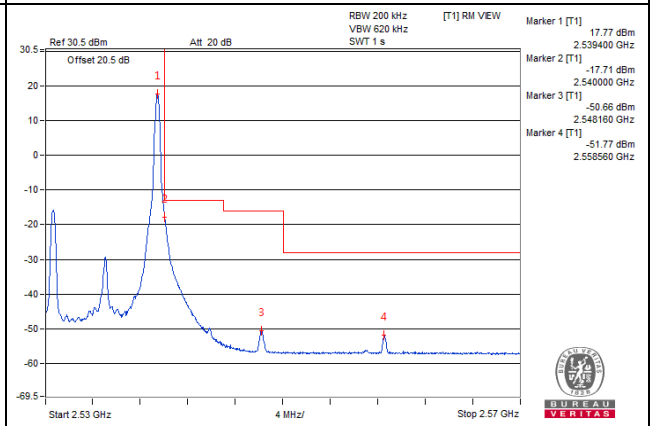
Channel Bandwidth: 10MHz			
Channel 39740 (2505.0MHz),	1 RB / 0 RB Offset	Channel 39740 (2505.0MHz),	1 RB / 49 RB Offset
			
			
Channel 39740 (2505.0MHz),	50 RB / 0 RB Offset	Channel 39740 (2505.0MHz),	50 RB / 0 RB Offset
			
			

Channel Bandwidth: 10MHz			
Channel 40040 (2535.0MHz)	1 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	1 RB / 49 RB Offset

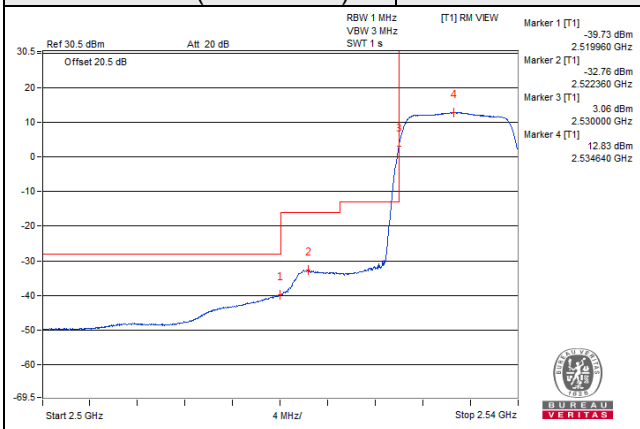


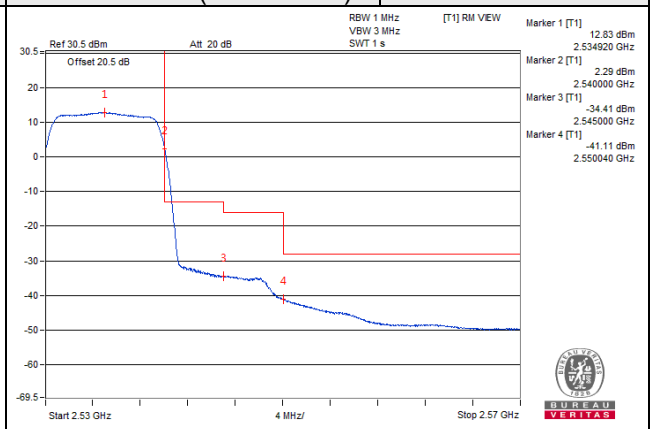


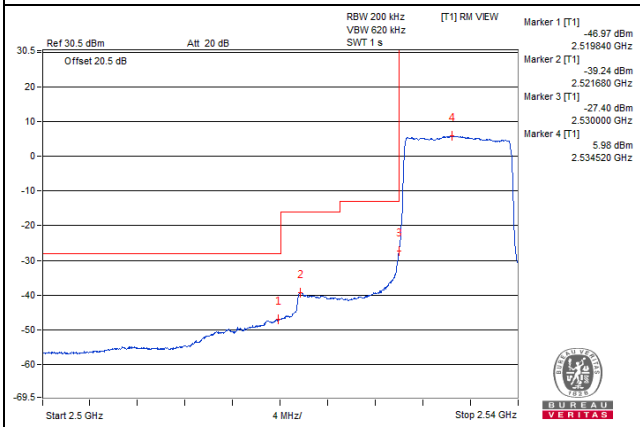


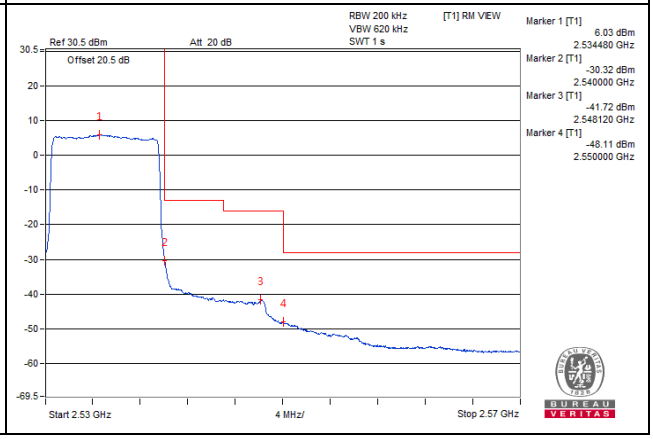


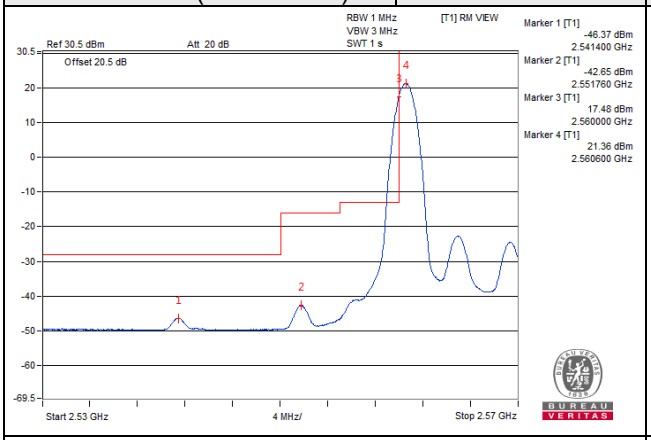
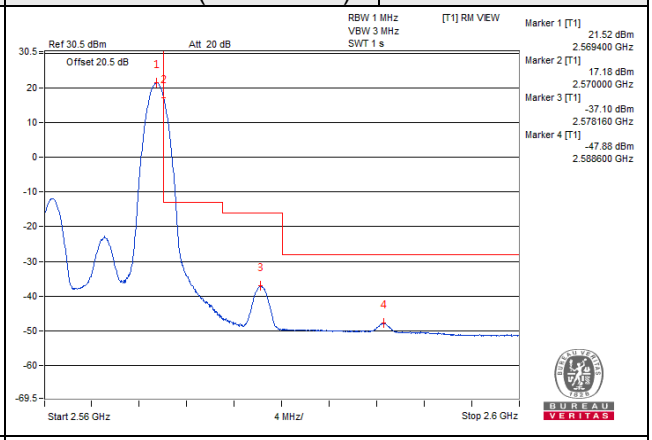
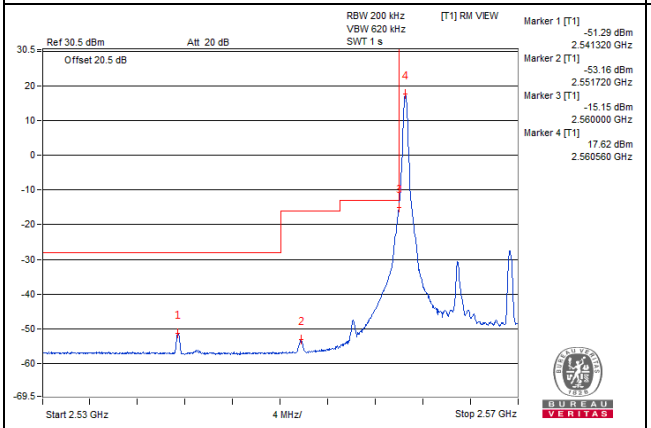
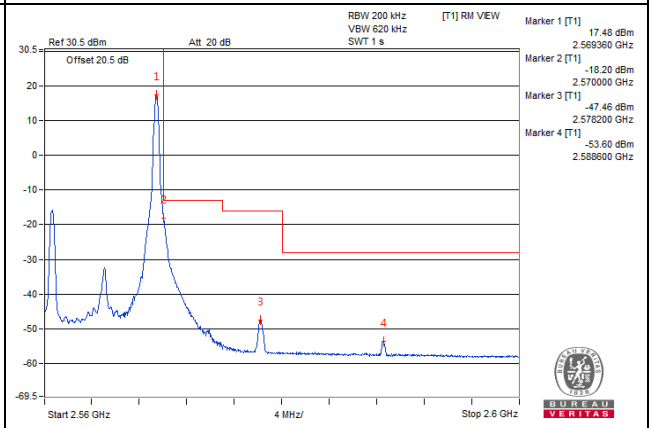
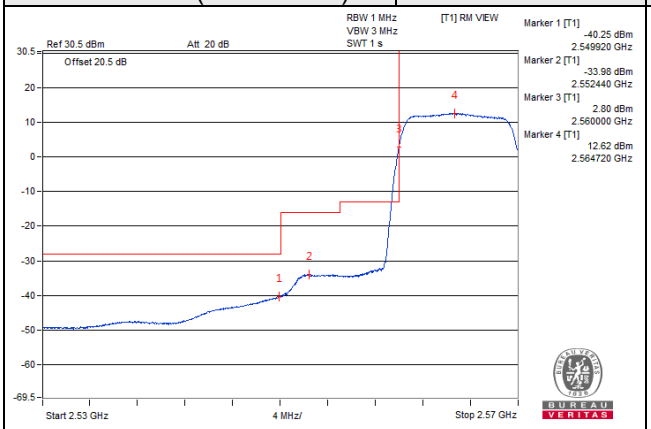
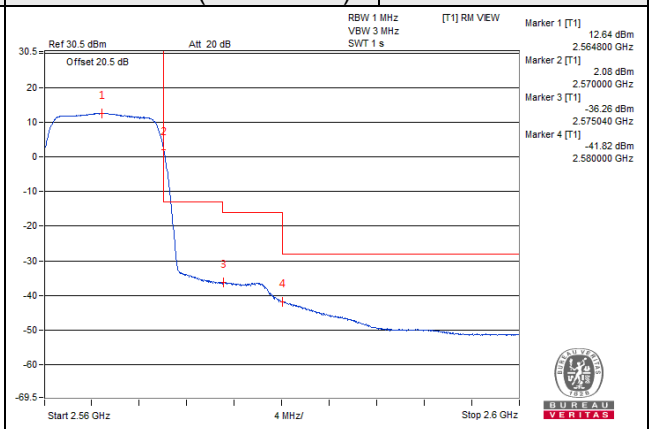
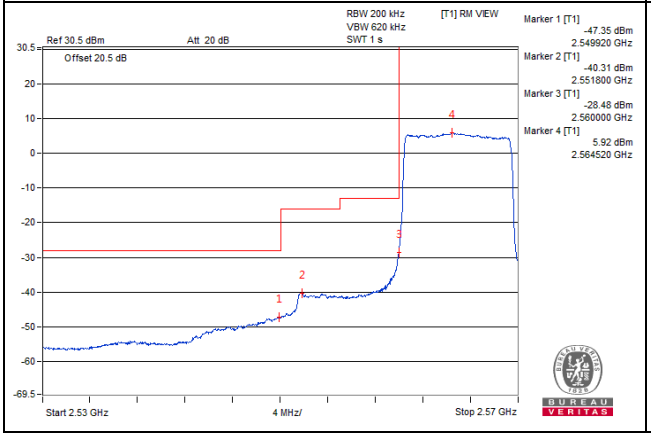
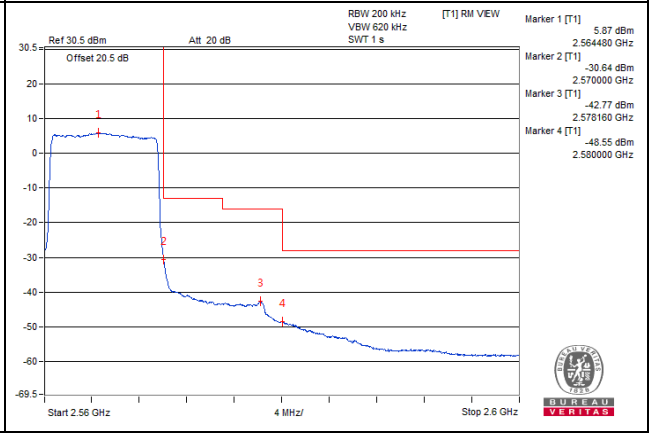
Channel 40040 (2535.0MHz)	50 RB / 0 RB Offset	Channel 40040 (2535.0MHz)	50 RB / 0 RB Offset

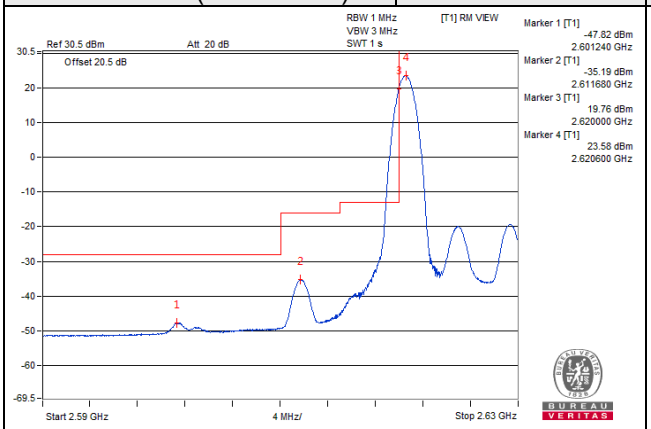
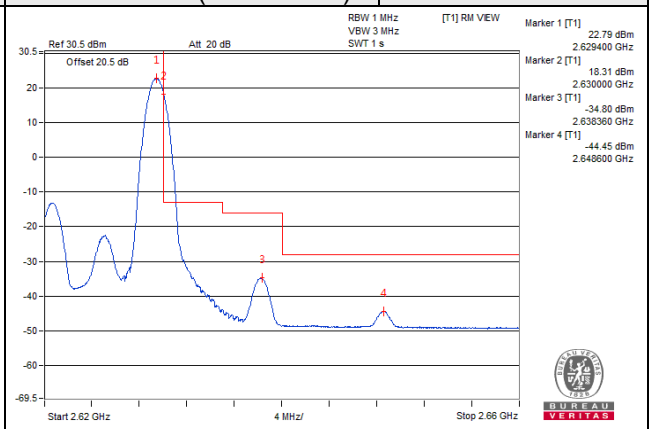
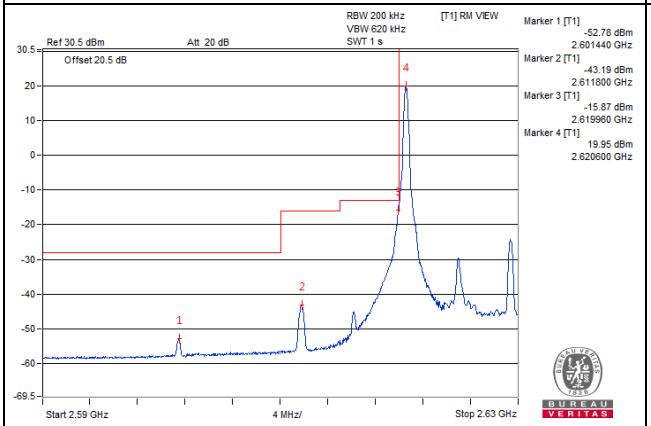
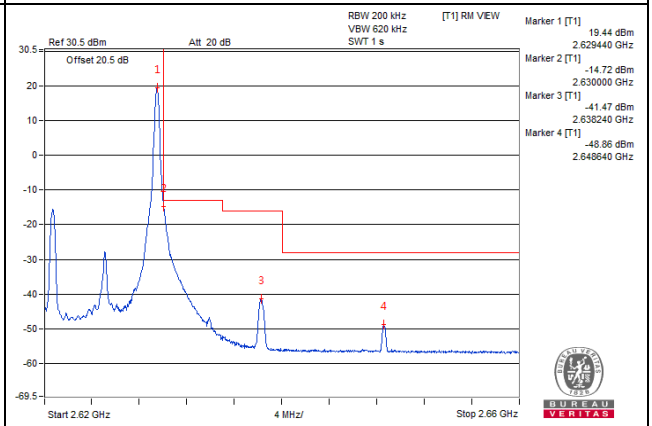
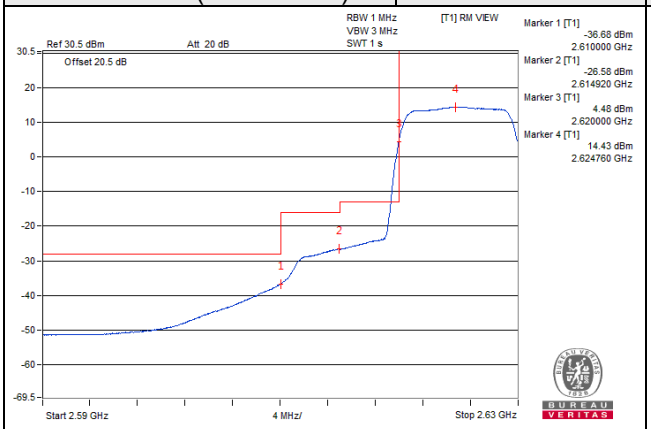
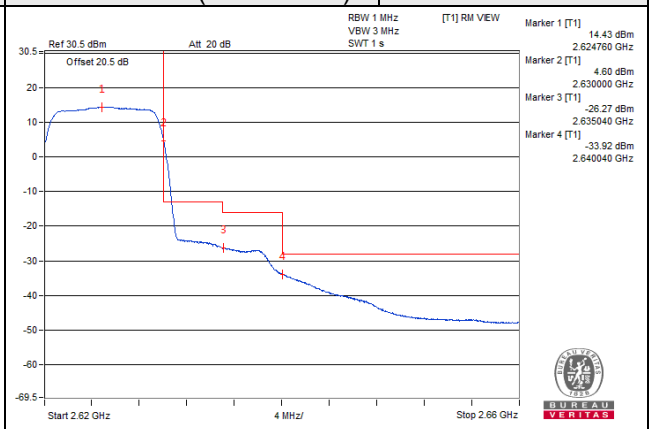
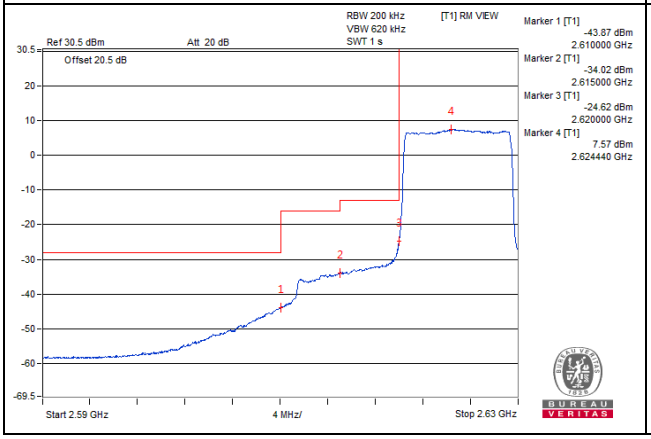
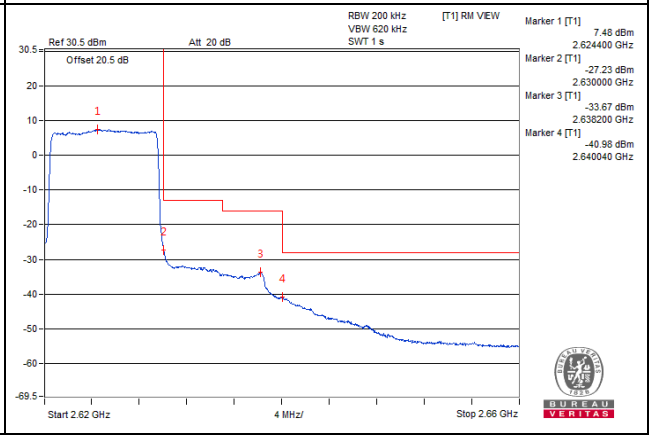


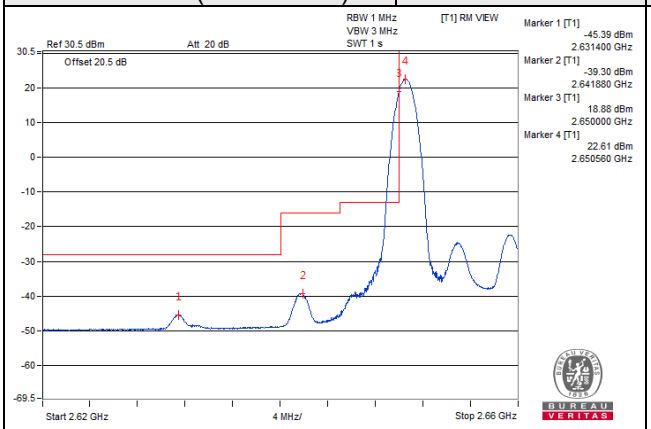
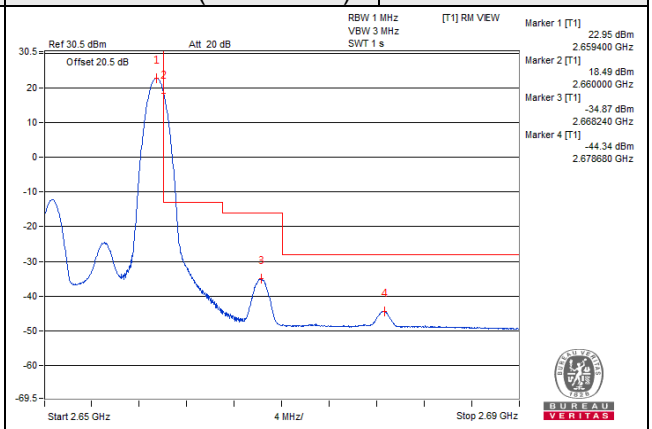
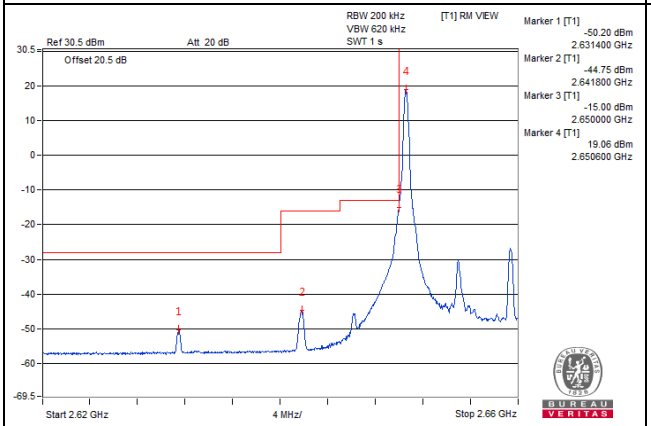
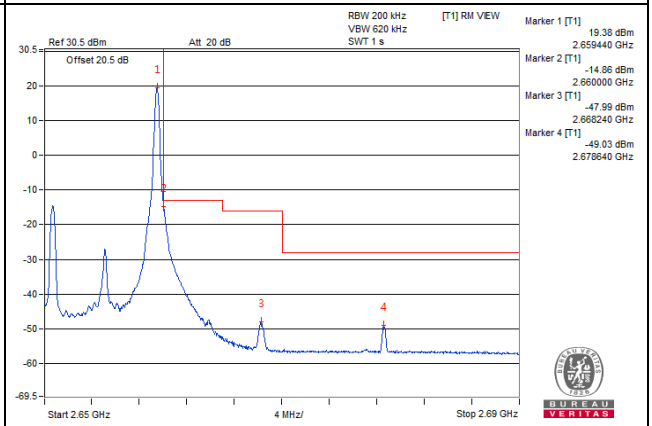






Channel Bandwidth: 10MHz			
Channel 40340 (2565.0MHz)	1 RB / 0 RB Offset	Channel 40340 (2565.0MHz)	1 RB / 49 RB Offset
			
			
Channel 40340 (2565.0MHz)	50 RB / 0 RB Offset	Channel 40340 (2565.0MHz)	50 RB / 0 RB Offset
			
			

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