TEST REPORT

No. I21Z61209-EMC01

for

Reliance Communications LLC

Orbic Speed 5G

Model Name: R500L5

FCC ID: 2ABGH-R500L5

with

Hardware Version: V1.2

Software Version: ORB500L5_v1.0.1.3_BVZRT

Issued Date: 2021-11-12

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S.Government.

Test Laboratory:

CTTL, Telecommunication Technology Labs, CAICT

No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

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Email: cttl_terminals@caict.ac.cn, website: www.caict.ac.cn

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21Z61209-EMC01	Rev.0	1st edition	2021-07-23
I21Z61209-EMC01	Rev.1	P96, modified the editing error	2021-09-23
I21Z61209-EMC01	Rev.2	modified the editing error for unit of occupied bandwidth	2021-10-08
I21Z61209-EMC01	Rev.3	Added the information for Subcontracting Laboratory in P4. modified the “average power meter” to “spectrum analyzer” in P14. Added the “Minimum Measurement Distance Evaluation” in P14, P81 and P102.	2021-11-10
I21Z61209-EMC01	Rev.4	Added the output power plots in the test report.	2021-11-12

Note: the latest revision of the test report supersedes all previous version.

CONTENTS

1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0 and is also an FCC accredited test laboratory (CN5017), and ISED accredited test laboratory (CN0066). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Location 1: CTTL (huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191

Location 2: MRT Technology (Suzhou) Co., Ltd

Address: 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China

Note: The spurious emission test for 110GHz-200GHz are tested by MRT Technology (Suzhou) Co., Ltd. , the report number is 2107RSU043-U1.

1.3. Testing Environment

Normal Temperature: 15-35℃

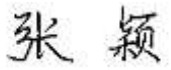
Relative Humidity: 20-75%

1.4. Project Data

Testing Start Date: 2021-06-20

Testing End Date: 2021-07-20

1.5. Signature



Zhang Ying

(Prepared this test report)

An Hui

(Reviewed this test report)

Zhang Xia

(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name:	Reliance Communications LLC
Address /Post:	91 Colin Drive, Unit 1, HOLBROOK, New York 11741, United States
Contact:	Saqib Ghouri
Email:	Saqib.Ghouri@reliance.us
Telephone:	+1 631-240-8400
Fax:	/

2.2. Manufacturer Information

Company Name:	Unimaxcomm
Address /Post:	35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China 518110
Contact:	Vicky Yang
Email:	ymei@unimaxcomm.com
Telephone:	13828813765
Fax:	/

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	Orbic Speed 5G
Model Name	R500L5
FCC ID	2ABGH-R500L5
Antenna	Embedded
Output power	25.06dBm maximum EIRP measured for n260
Extreme vol. Limits	4.20VDC to 3.50VDC (nominal: 3.8VDC)
Extreme temp. Tolerance	-10°C to +50°C

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL.

3.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version
UT12a	352241200003907	V1.2	ORB500L5_v1.0.1.3_BVZRT

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description
AE1	Battery

AE1

Model	BTE-4401
Manufacturer	HUIZHOU DXDRAGON INC
Capacitance	4400mAh
Rated Voltage	3.80V

*AE ID: is used to identify the test sample in the lab internally.

Note: The worse-beam list as follow:

n260

	Module 0	module1
Beam ID	16	20

n261

	Module 0	module1
Beam ID	144	31

4. Reference Documents

4.1. Documents supplied by applicant

EUT parameters, referring to Annex A for detailed information, is supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 30	UPPER MICROWAVE FLEXIBLE USE SERVICE	10-1-20 Edition
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015
KDB 842590	Upper Microwave Flexible Use Service v01r01	April 3, 2020

5. Laboratory Environment

Semi/Full-anechoic chamber SAC-1 (23 meters × 17meters × 10meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ˚C, Max. = 35 ˚C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 M
Ground system resistance	< 4
Normalised site attenuation (NSA)	**<** ± 4 dB, 3m/10m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 18GHz

6. Summary Of Test Result

n260

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	2.1046, 30.202	Pass
2	Unwanted Emission(note1)	30.203	Pass
3	Frequency Stability	2.1055	Pass
4	Occupied Bandwidth	2.1049	Pass
5	Band Edge Compliance	2.1051, 30.203	Pass

Note1: The spurious emission test for 30MHz-110GHz was perfomaced by worst-case configuration, and spurious emission of 110GHz-200GHz are tested by MRT Technology (Suzhou) Co., Ltd. , the report number is 2107RSU043-U1.

n261

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	2.1046, 30.202	Pass
2	Unwanted Emission(note2)	30.203	Pass
3	Frequency Stability	2.1055	Pass
4	Occupied Bandwidth	2.1049	Pass
5	Band Edge Compliance	2.1051, 30.203	Pass

Note2: The spurious emission test was perfomaced by worst-case configuration.

Explanation of worst-case configuration

The worst-case scenario for all measurements is based on the output power measurement investigation results. Output power was measured on QPSK,16QAM and 64QAM modulations. If it was found that QPSK was the worst case. All testing was performed using QPSK modulations to represent the worst case unless otherwise stated. The test results shown in the following sections represent the worst case emission.

Terms used in Verdict column

P	Pass. The EUT complies with the essential requirements in the standard.
NP	Not Performed. The test was not performed by CTTL.
NA	Not Applicable.The test was not applicable.
BR	Re-use test data from basic model report.
F	Fail. The EUT does not comply with the essential requirements in the standard.

7. Measurement Uncertainty

Measurement Uncertainty:

Frequency Range	Uncertainty(dB) (k=2)
30MHz-1GHz	5.18
1GHz-18GHz	5.54
18GHz-40GHz	5.26
40GHz-60GHz	3.80
60GHz-75GHz	3.76
75GHz-110GHz	3.80

8. Test Equipment Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CAL. DUE DATE	CAL. INTERVAL
1	Signal Generator	SMF100A	104940	R&S	2021-12-09	1 year
2	Signal Generator	E8257D（60GHz）	MY59140557	Keysight	2022-01-19	1 year
3	Antenna	VULB 9163	483	SCHWARZBECK	2021-08-27	1 year
4	Antenna	3116	2661	ETS-Lindgren	2022-01-05	1 year
5	Upconverter(50GHz-75GHz)	SMZ-75	101309	R&S	2022-01-14	1 year
6	Upconverter(75GHz-110GHz)	SMZ-110	101357	R&S	2022-01-14	1 year
7	Upconverter(110GHz-170GHz)/	82406B	ZEI00141	Ceyear	2022-02-04	1 year
8	Upconverter(170GHz-220GHz)/	82406C	ZEI00164	Ceyear	2022-02-04	1 year
9	Spectrum Analyzer	FSW67	103290	R&S	2022-02-04	1 year
10	(downconverter)Harmonic Mixer(60GHz-90GHz)	FS-Z90	101655	R&S	2022-02-04	1 year
11	(downconverter)Harmonic Mixer(75GHz-110GHz)	FS-Z110	101463	R&S	2022-01-19	1 year
12	(downconverter)Harmonic Mixer(110GHz-170GHz)/	FS-Z170	101008	R&S	2022-02-17	1 year
13	(downconverter)Harmonic Mixer(170GHz-220GHz)/	FS-Z220	101054	R&S	2021-12-14	1 year
14	Standard Gain Horn（40GHz-60GHz）	LB-19-25	J202024086	A-INFO	2022-01-14	1 year
15	Standard Gain Horn（40GHz-60GHz）	LB-19-25	J202024087	A-INFO	2022-01-14	1 year
16	Standard Gain Horn（60GHz-90GHz）	LB-12-25	J202062912	A-INFO	2022-02-17	1 year
17	Standard Gain Horn（50GHz-75GHz）	LB-15-25	J202062019	A-INFO	2021-12-14	1 year
18	Standard Gain Horn（75GHz-110GHz）	LB-10-25	J202023231	A-INFO	2022-01-27	1 year
19	Standard Gain Horn（75GHz-110GHz）	LB-10-25	J202023232	A-INFO	2022-01-27	1 year

24	DC power supply	PAS20-18	UH000695	Kikusui	2021-08-01	1 year
25	Incubator	SH-641	92009470	ESPEC	2022-02-14	1 year

Annex A: Measurement Results

A.1 Radiated Output Power

A.1.1 Summary

During the process of testing, the EUT was controlled via communication tester to ensure max power transmission and proper modulation.
In all cases, output power is within the specified limits.
30.202 (b) For mobile stations, the average power of the sum of all antenna elements is limited to a maximum EIRP of +43 dBm.

A.1.2 Minimum Measurement Distance Evaluation

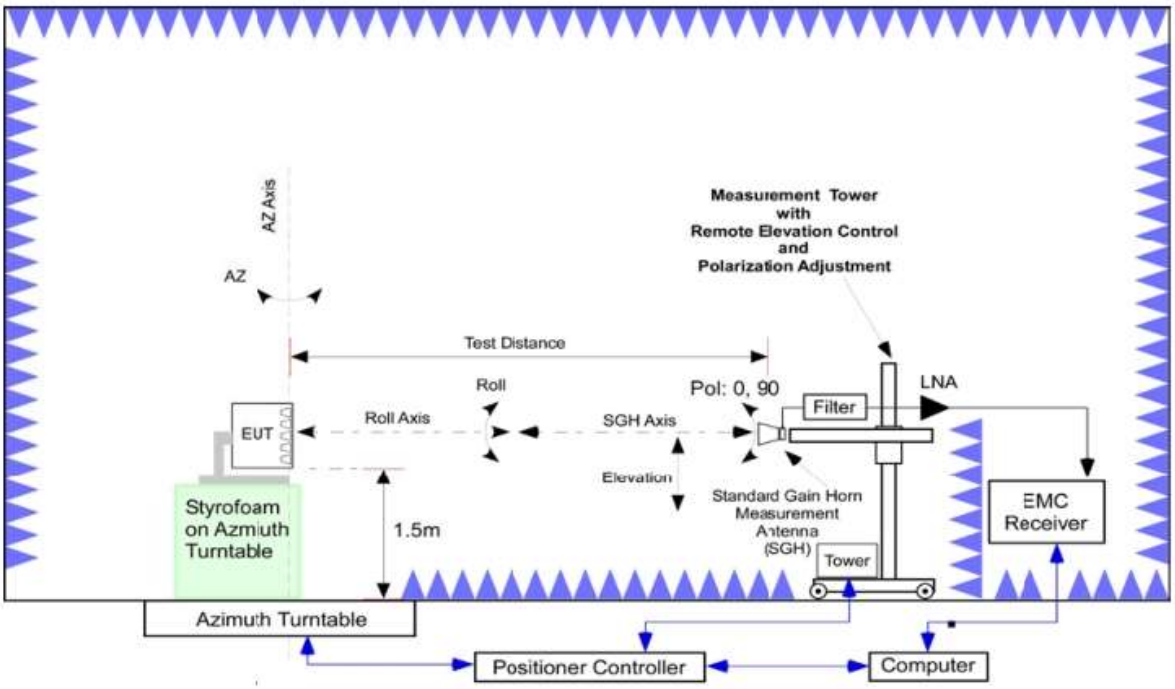
According to KDB842590 D01, the measurements of the fundamental emission, out of band, harmonics and spurious emissions shall be made in the far field of the measurement antenna. The far-field boundary for mmW antennas is greater than or equal to $2D^2/\lambda$ (with D being the largest dimension of the antenna, and λ the wavelength of the emission). We calculate the far-field boundary and the test distance meet the requirement of standard.

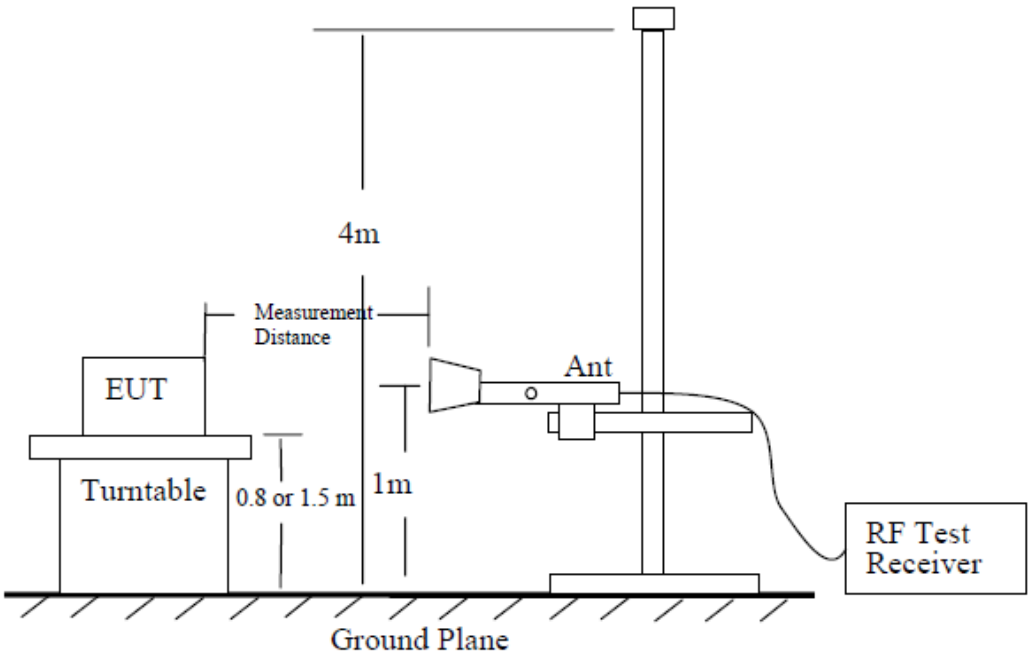
A.1.3 Method of Measurements

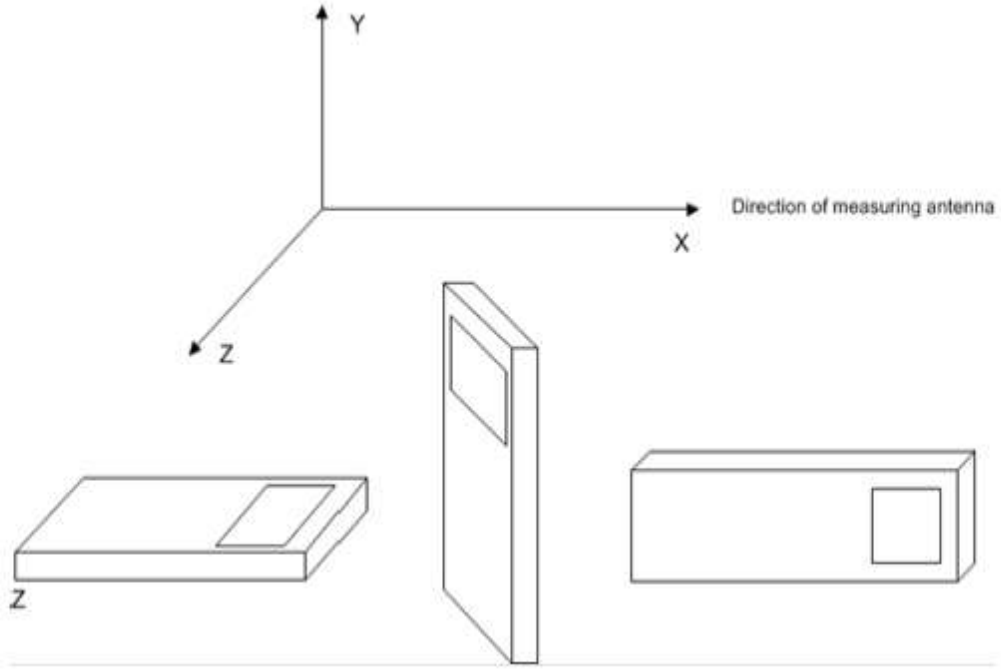
NASI C63.26 chapter 5.5.2.1: Such radiated measurements shall use substitution methods unless a test site validated to ANSI C63.4 requirements is utilized, in which case, radiated fundamental and/or unwanted emissions can be measured using the direct radiated field strength method.
The EUT was set up for the max output power with pseudo random data modulation.
These measurements were done at 3 frequencies (bottom, middle and top of operational frequency range) for each bandwidth.
An spectrum analyzer is used to perform RF output power measurements, the fundamental condition that measurements be performed only over durations of active transmissions at maximum output power level applies. Thus, a spectrum analyzer can always be used to perform the measurement when the EUT can be configured to transmit continuously.
The EIRP measurement used integration method and the bandwidth is 100MHz.

The procedure of radiated emissions is as follows:

Using the test configuration as follow, measure the radiated emissions directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits.







The emission characteristics of the EUT can be identified from the pre-scan measurement information.

Exploratory radiated measurements (pre-scans) may be performed to determine the general EUT radiated emissions characteristics and, when necessary, the EUT-to-measurement antenna orientation that produces the maximum emission amplitude. Pre-scans shall only be used to determine the emission frequencies (i.e., not amplitude levels). The information garnered from a pre-scan can then be used to perform final compliance measurements using either the substitution or direct field strength method.

For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80 cm above the reference ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25 cm.

For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table or support at a nominal height of 1.5 m above the ground plane. When maximizing the emissions from the EUT for measurement, the EUT and its transmitting antenna(s) shall be rotated through 360°. For each mode of operation to be tested, the frequency spectrum (based on findings from exploratory measurements) shall be monitored.

Test Note:

The average EIRP reported below is calculated by:

EIRP(dBm)=Spectrum Analyzer Channel Power Level(dBm)-Antenna Factor(dBi) + Cable Loss(dB) + 20log(F)+20log(D)-27.56

Where:

F:frequency (MHz)

D:Distance(m) = 3m

A.1.4 Measurement Result

Note:

We choose the worst modulation by the EIRP of middle channel, the high channel and low channel measure the EIRP only with the worst modulation.

The plots are showed from Page 21 to page 80.

n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	37025.04	16.20	/	/
		38499.96	18.30	16.70	15.05
		39975	20.38	/	/
	1RB	37025.04	18.14	/	/
		38499.96	20.58	19.95	17.39
		39975	21.51	/	/
100MHz	100% RB	37050	18.27	/	/
		38499.96	17.59	16.65	13.35
		39949.92	20.29	/	/
	1RB	37050	18.89	/	/
		38499.96	19.61	17.93	15.92
		39949.92	22.50	/	/

Note:
We choose the worst modulation by the EIRP of middle channel, the high channel and low channel measure the EIRP only with the worst modulation.

n260, Module0, SCS=120kHz,PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	37025.04	20.71	/	/
		38499.96	20.01	18.39	15.42
		39975	22.15	/	/
	1RB	37025.04	22.48	/	/
		38499.96	22.15	19.74	17.67
		39975	24.24	/	/
100MHz	100% RB	37050	20.24	/	/
		38499.96	20.19	18.74	15.92
		39949.92	22.06	/	/
	1RB	37050	22.85	/	/
		38499.96	22.42	20.14	18.57
		39949.92	**25.06**	/	/

Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n260, Module1, SCS=120kHz,PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	37025.04	12.36	/	/
		38499.96	10.61	/	/
		39975	10.59	/	/
	1RB	37025.04	12.38	/	/
		38499.96	12.41	/	/
		39975	13.22	/	/
100MHz	100% RB	37050	10.27	/	/
		38499.96	12.05	/	/
		39949.92	10.65	/	/
	1RB	37050	12.71	/	/
		38499.96	12.85	/	/
		39949.92	12.78	/	/

Note:
We choose the worst modulation by the EIRP of middle channel, the high channel and low channel measure the EIRP only with the worst modulation.

n261, Module0, SCS=120kHz,CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	27525	12.12	/	/
		27924.96	11.85	10.68	8.52
		28324.92	12.03	/	/
	1RB	27525	13.34	/	/
		27924.96	12.41	11.62	9.45
		28324.92	12.37	/	/
100MHz	100% RB	27550.08	11.09	/	/
		27924.96	11.98	10.94	8.95
		28299.96	11.12	/	/
	1RB	27550.08	12.07	/	/
		27924.96	12.57	10.43	8.77
		28299.96	11.50	/	/

Note:
We choose the worst modulation by the EIRP of middle channel, the high channel and low channel measure the EIRP only with the worst modulation.

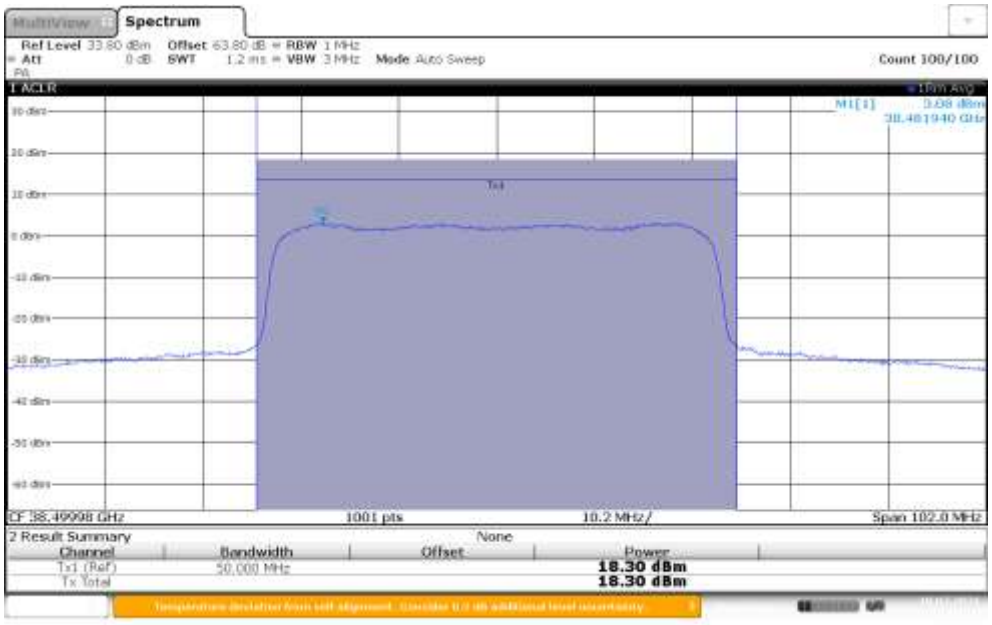
n261, Module0, SCS=120kHz,PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	27525	11.78	/	/
		27924.96	15.07	12.13	10.06
		28324.92	12.58	/	/
	1RB	27525	14.20	/	/
		27924.96	14.44	12.65	11.90
		28324.92	14.65	/	/
100MHz	100% RB	27550.08	12.59	/	/
		27924.96	14.52	12.74	10.68
		28299.96	13.48	/	/
	1RB	27550.08	14.95	/	/
		27924.96	16.04	14.95	11.66
		28299.96	15.18	/	/

Note: The worst modulation is QPSK, and we test follow setups used QPSK.

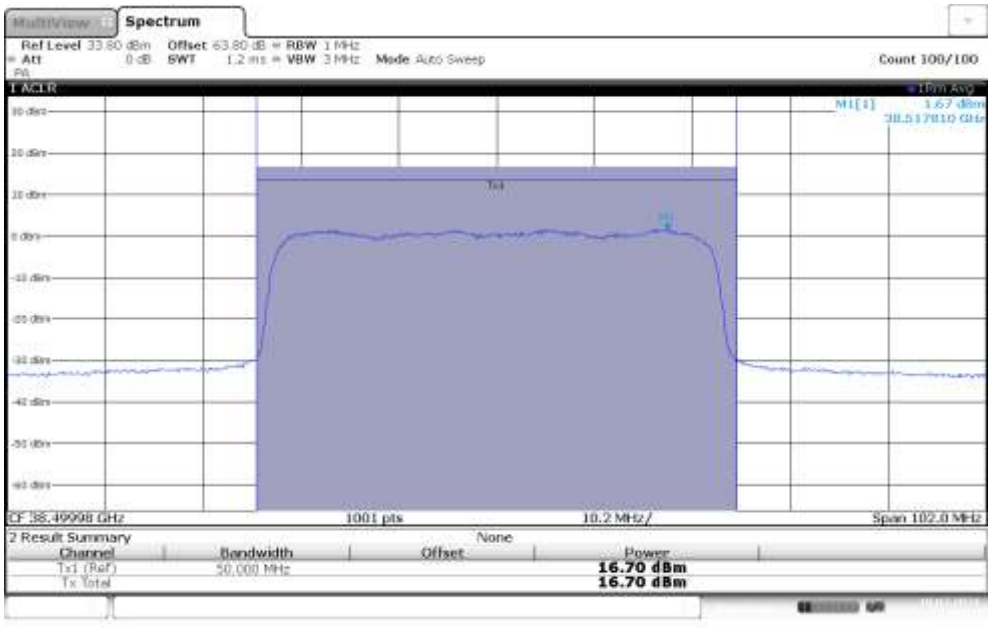
n261, Module1, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	27525	13.62	/	/
		27924.96	15.56	/	/
		28324.92	16.39	/	/
	1RB	27525	15.75	/	/
		27924.96	18.01	/	/
		28324.92	19.23	/	/
100MHz	100% RB	27550.08	13.68	/	/
		27924.96	15.73	/	/
		28299.96	16.93	/	/
	1RB	27550.08	15.86	/	/
		27924.96	18.19	/	/
		28299.96	**19.47**	/	/

n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	38499.96	18.30	16.70	15.05

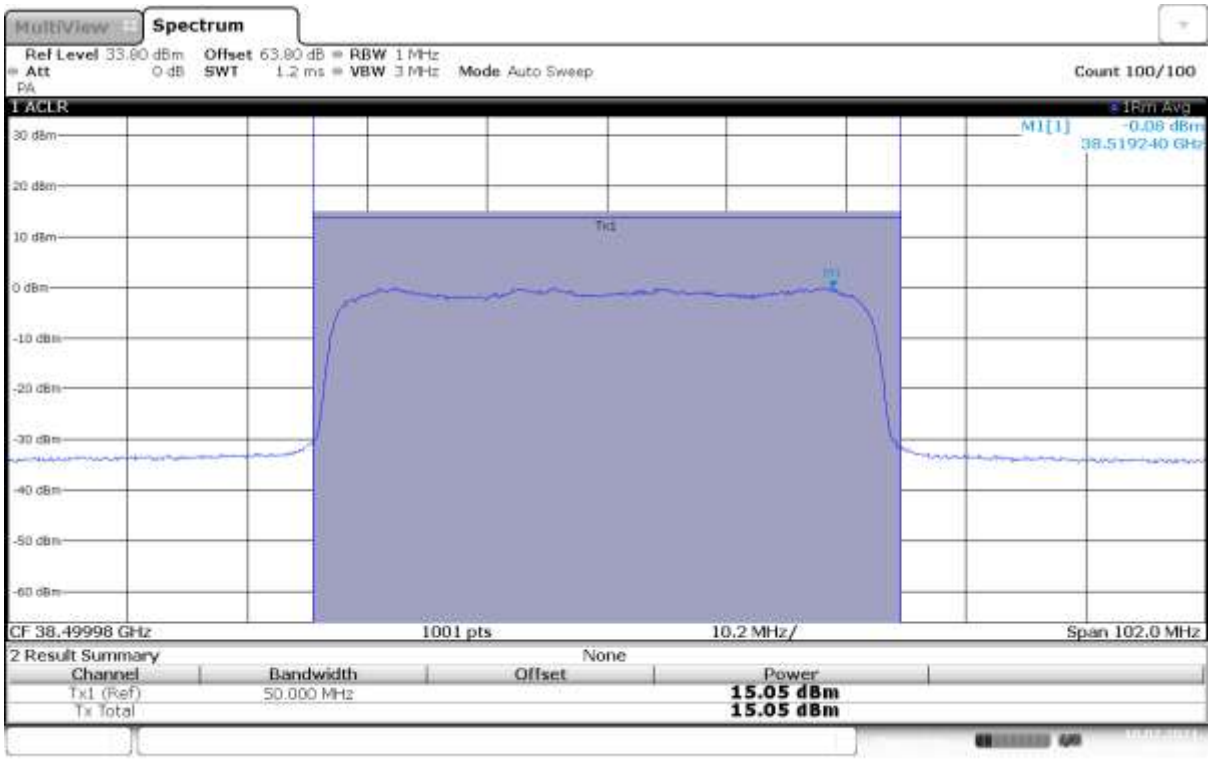
n260, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



n260, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, 16QAM



n260, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, 64QAM



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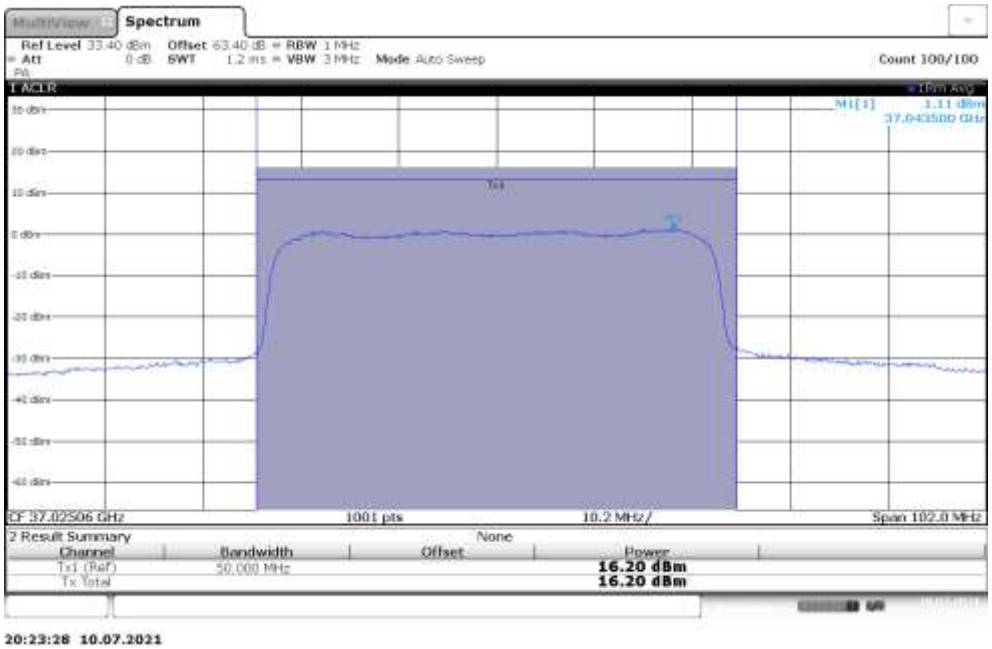
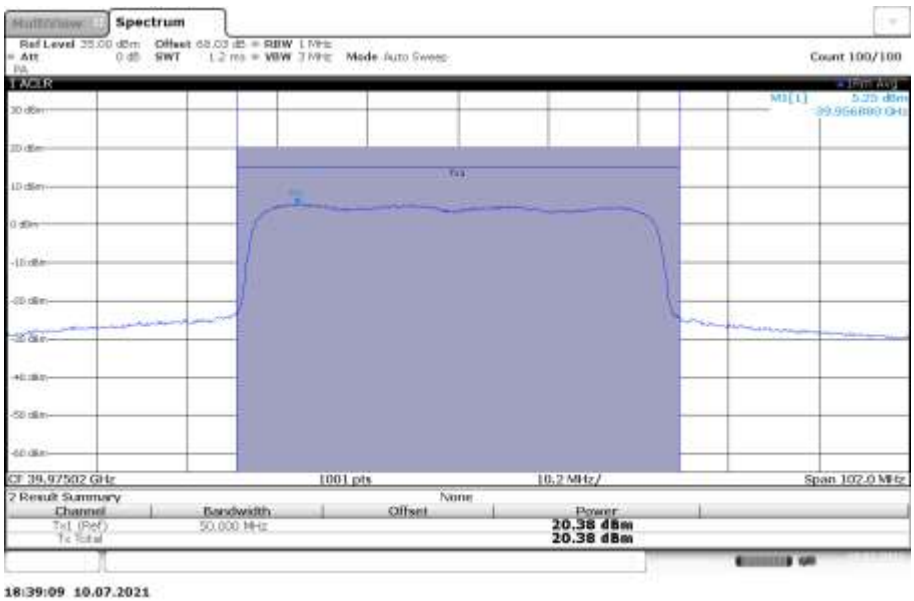
n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	37025.04	16.20	/	/

n260, Module0, 50MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



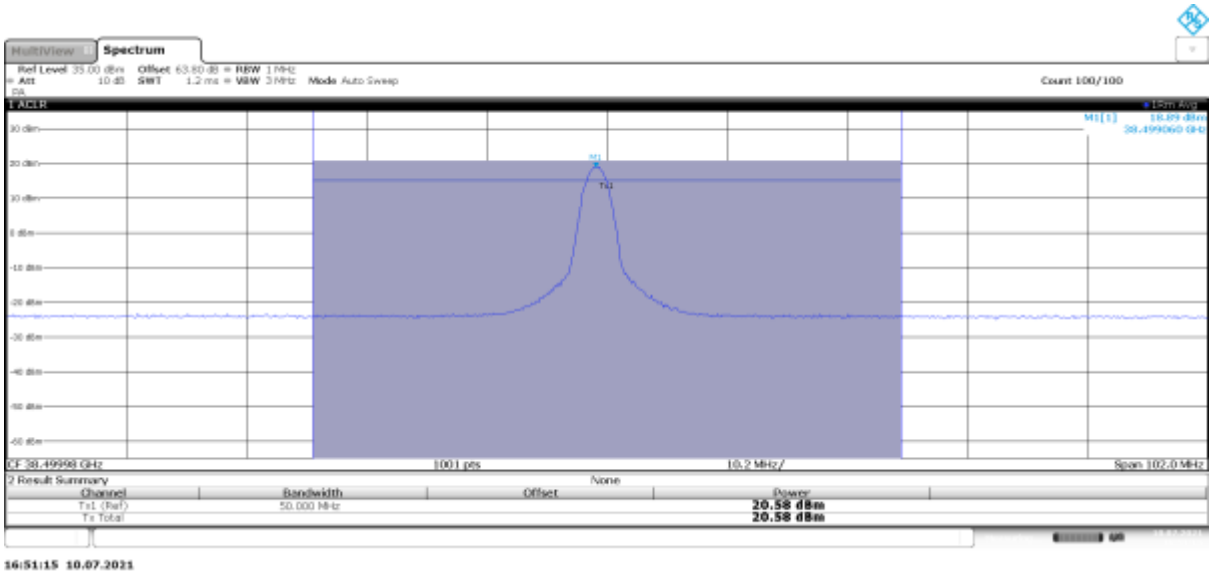
n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	39975	20.38	/	/

n260, Module0, 50MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK

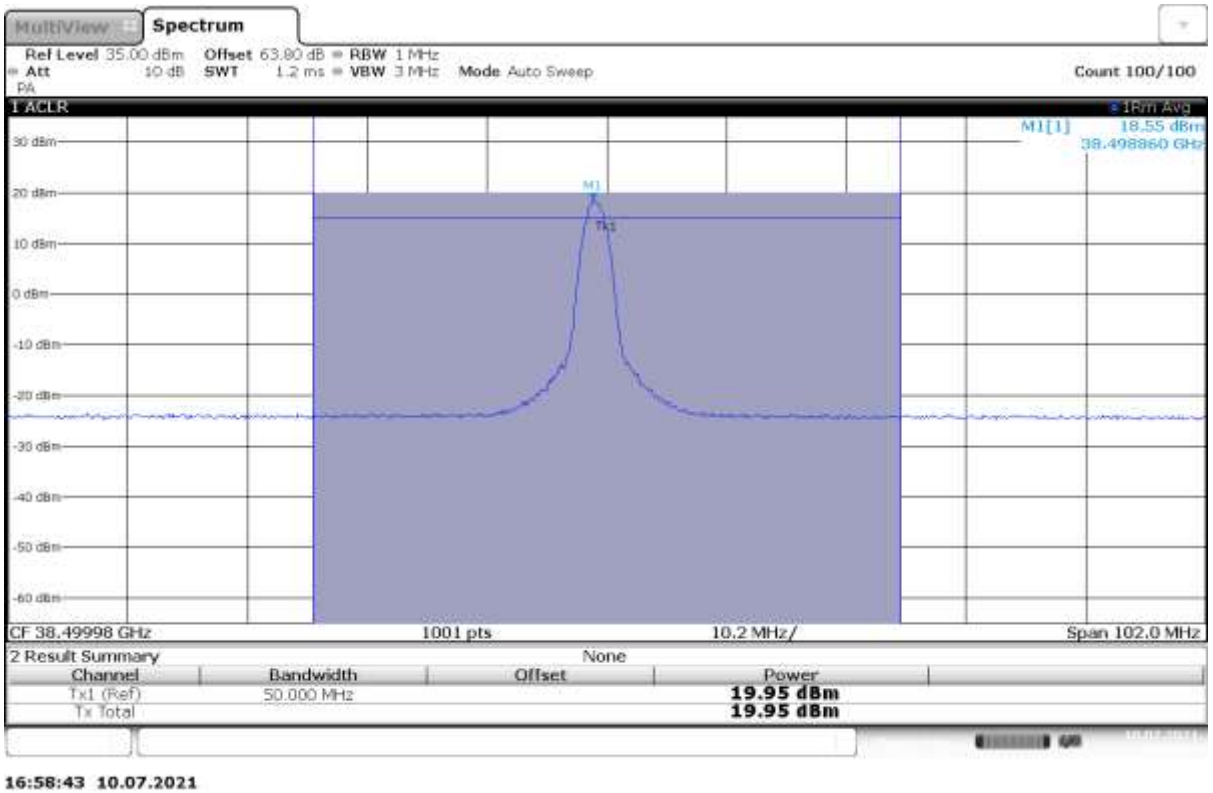


n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	38499.96	20.58	19.95	17.39

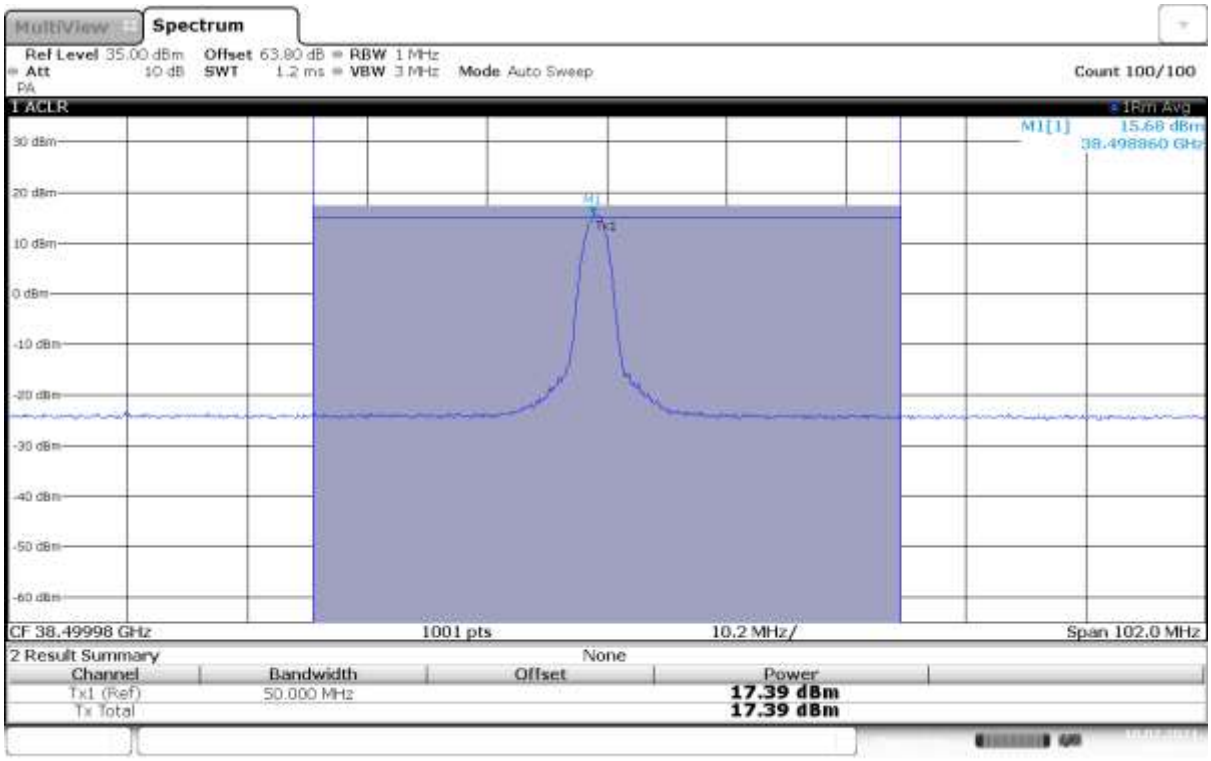
n260, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, QPSK



n260, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, 16QAM



n260, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, 64QAM



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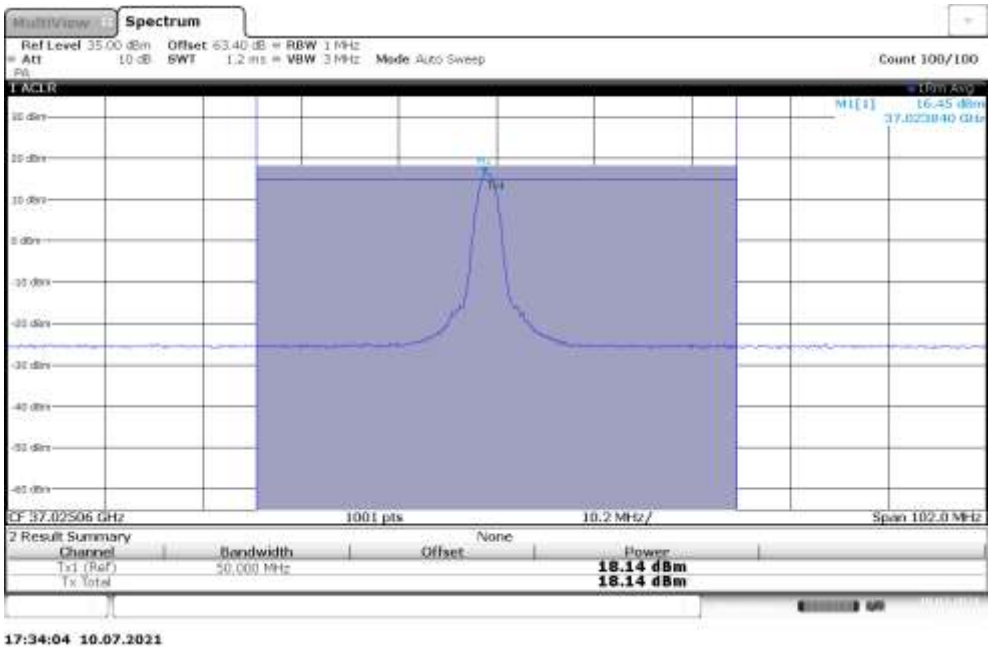
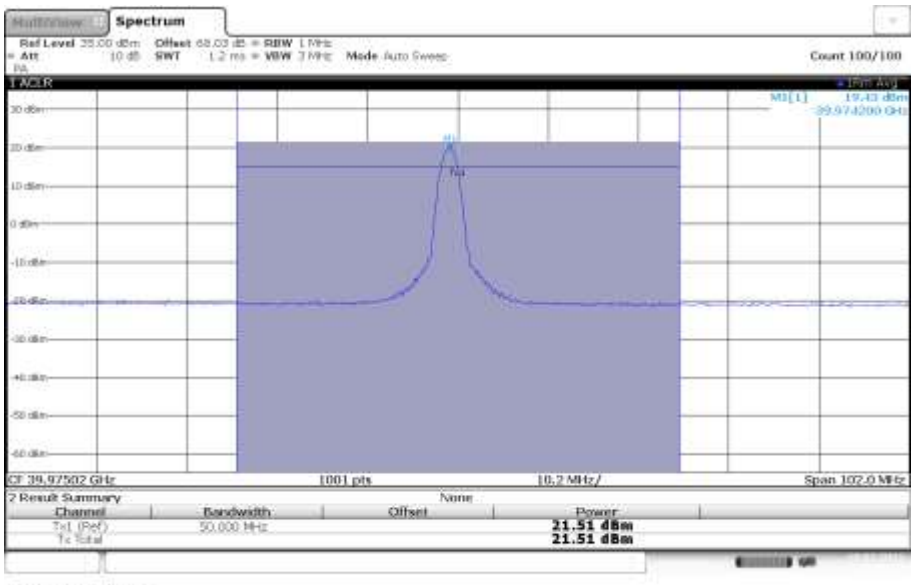
n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	37025.04	18.14	/	/

n260, Module0, 50MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



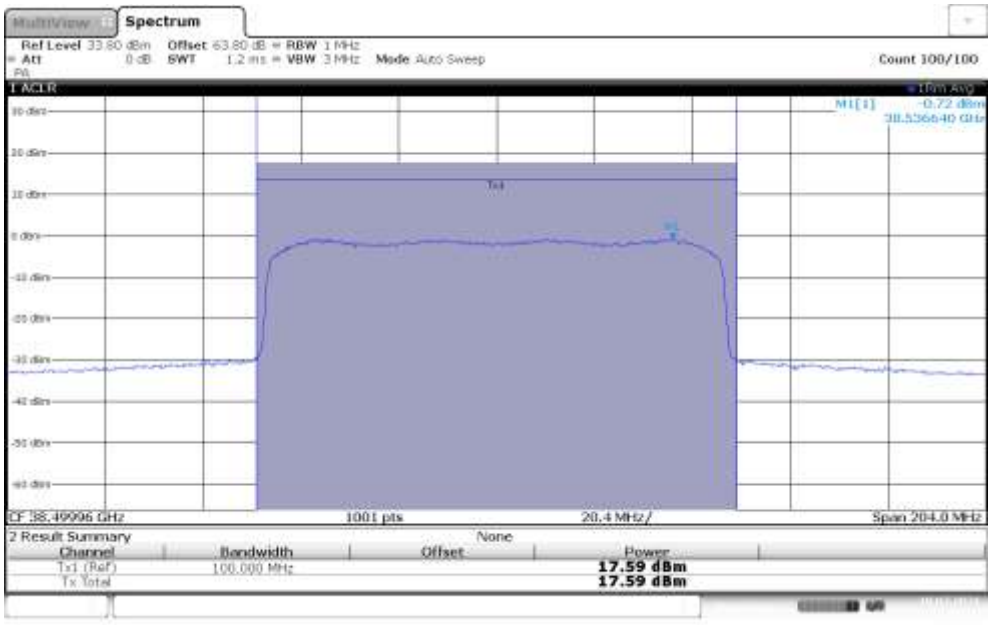
n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	39975	21.51	/	/

n260, Module0, 50MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	38499.96	17.59	16.65	13.35

n260, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



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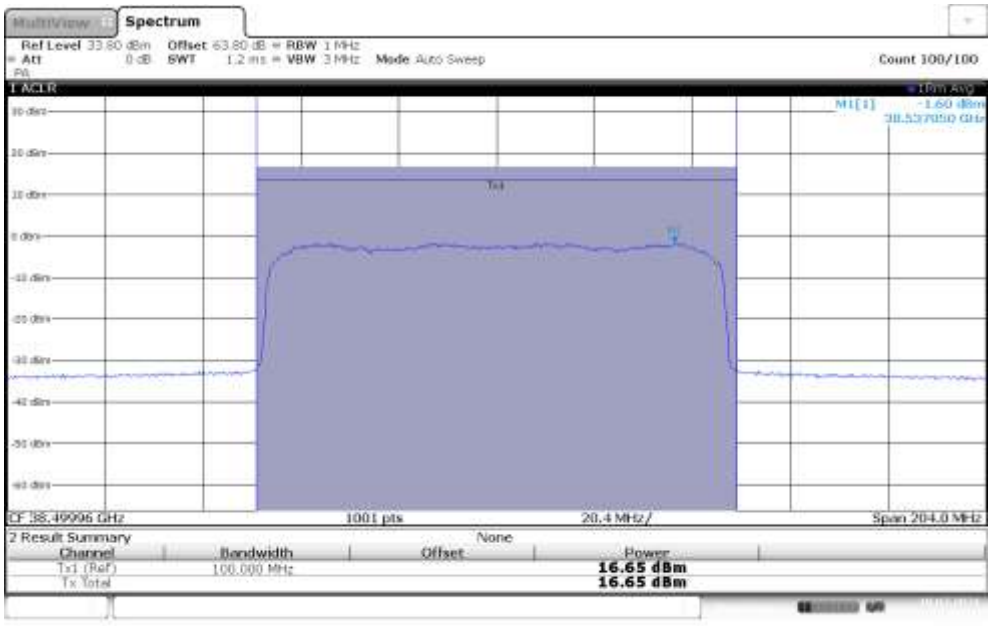
n260, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, 16QAM



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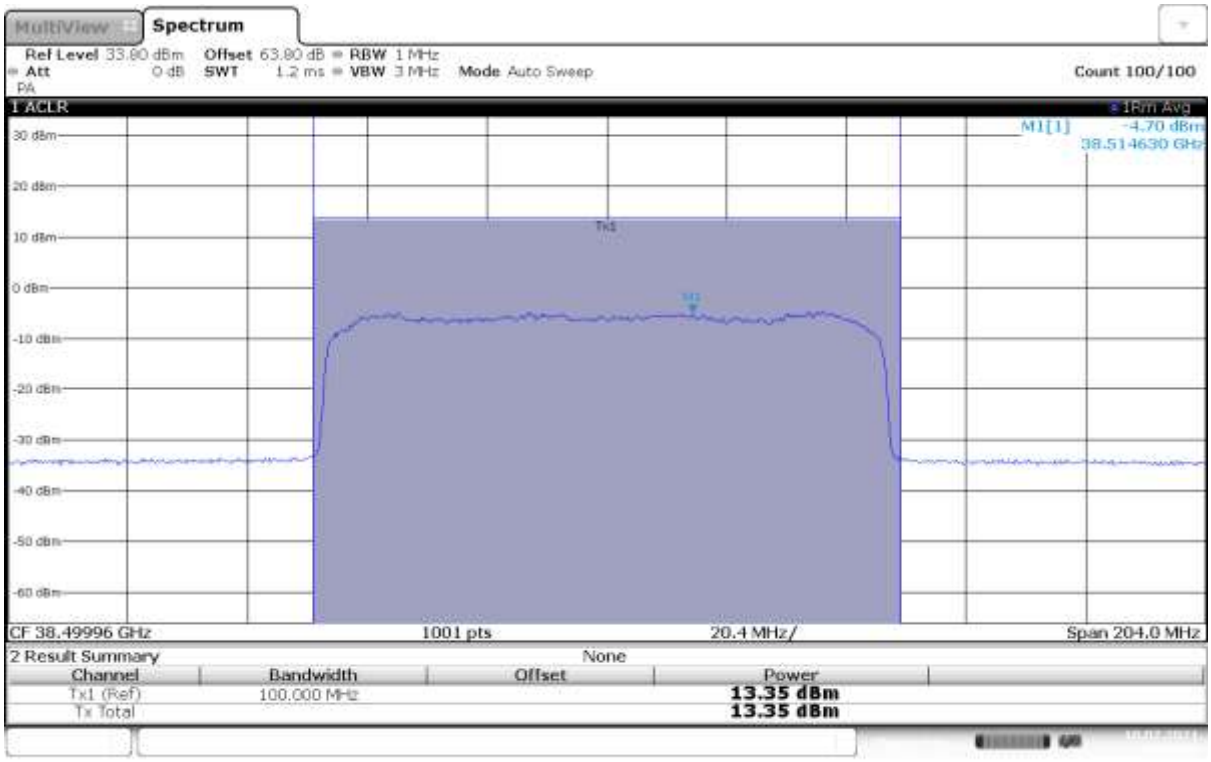
n260, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, 64QAM



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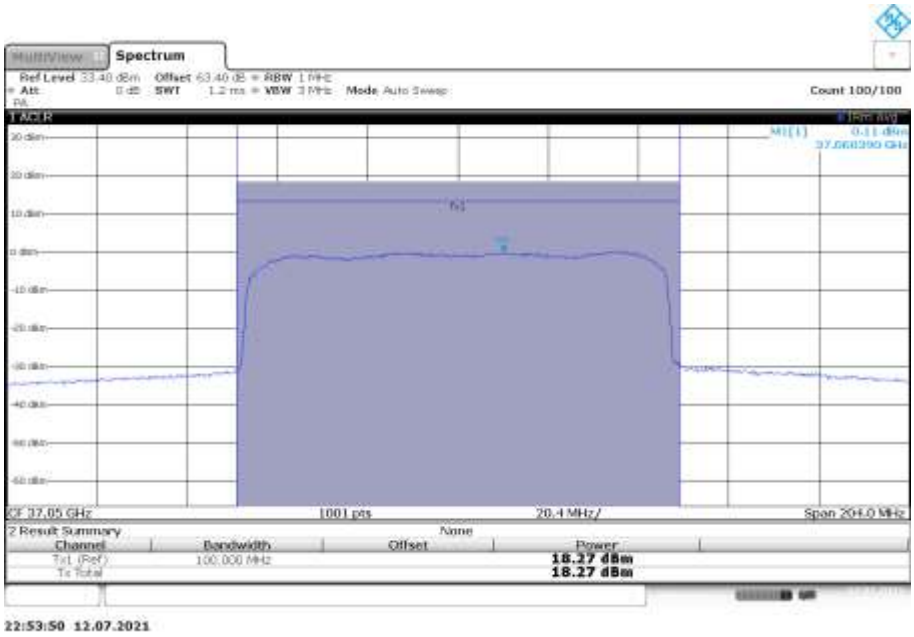
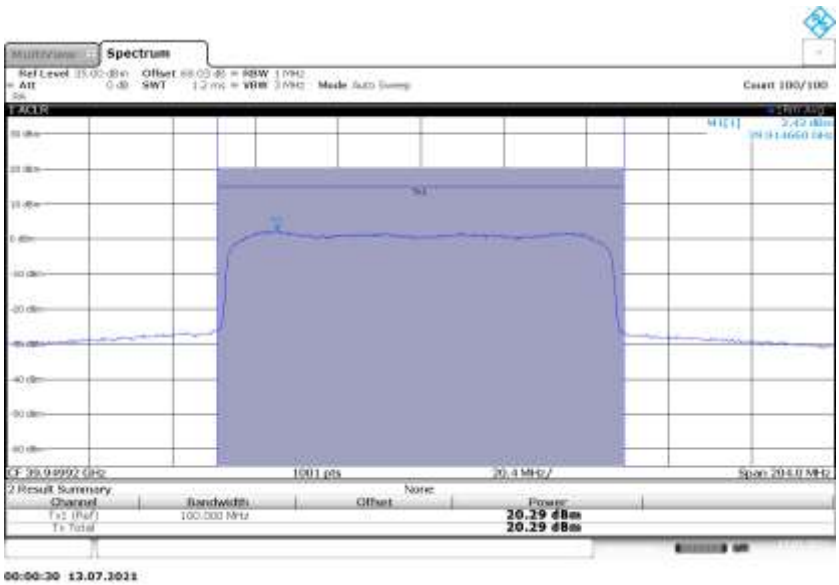
n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	37050	18.27	/	/

n260, Module0, 100MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



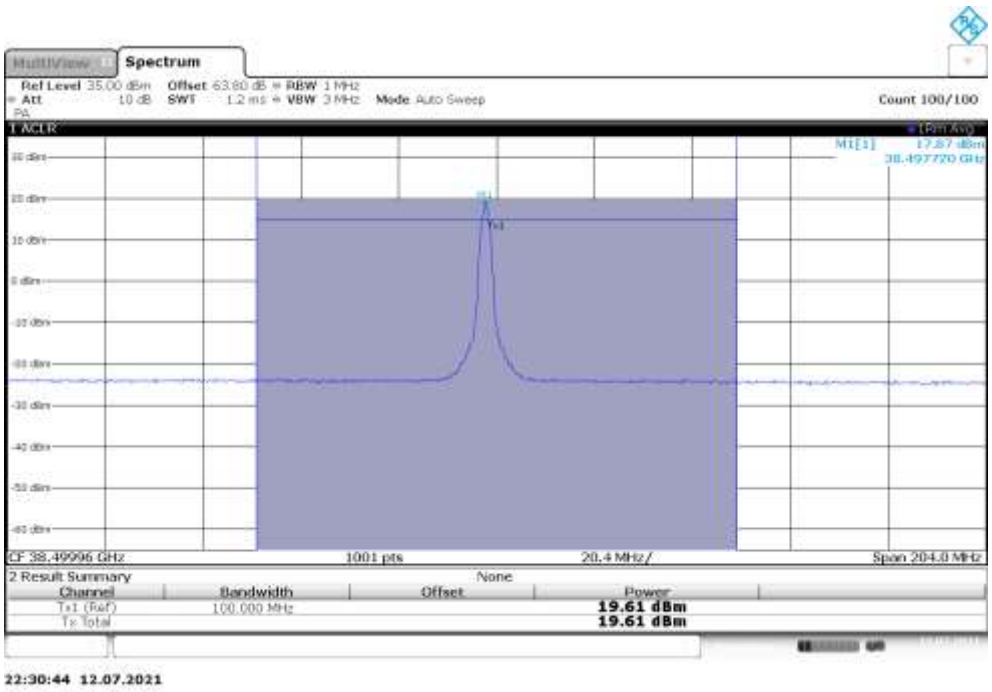
n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	39949.92	20.29	/	/

n260, Module0, 100MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK

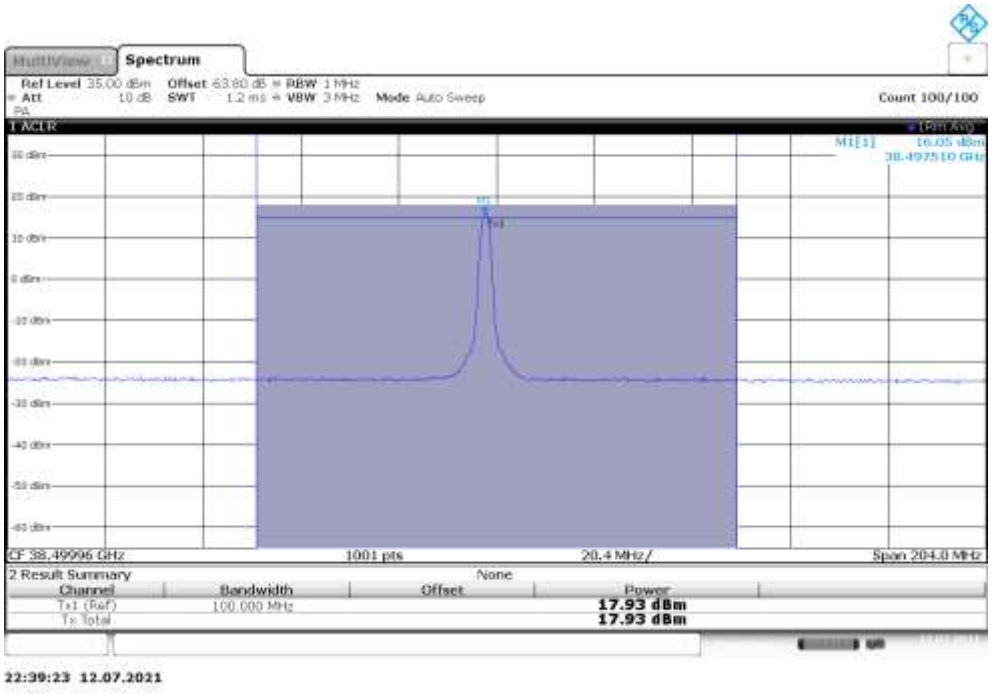


n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	38499.96	19.61	17.93	15.92

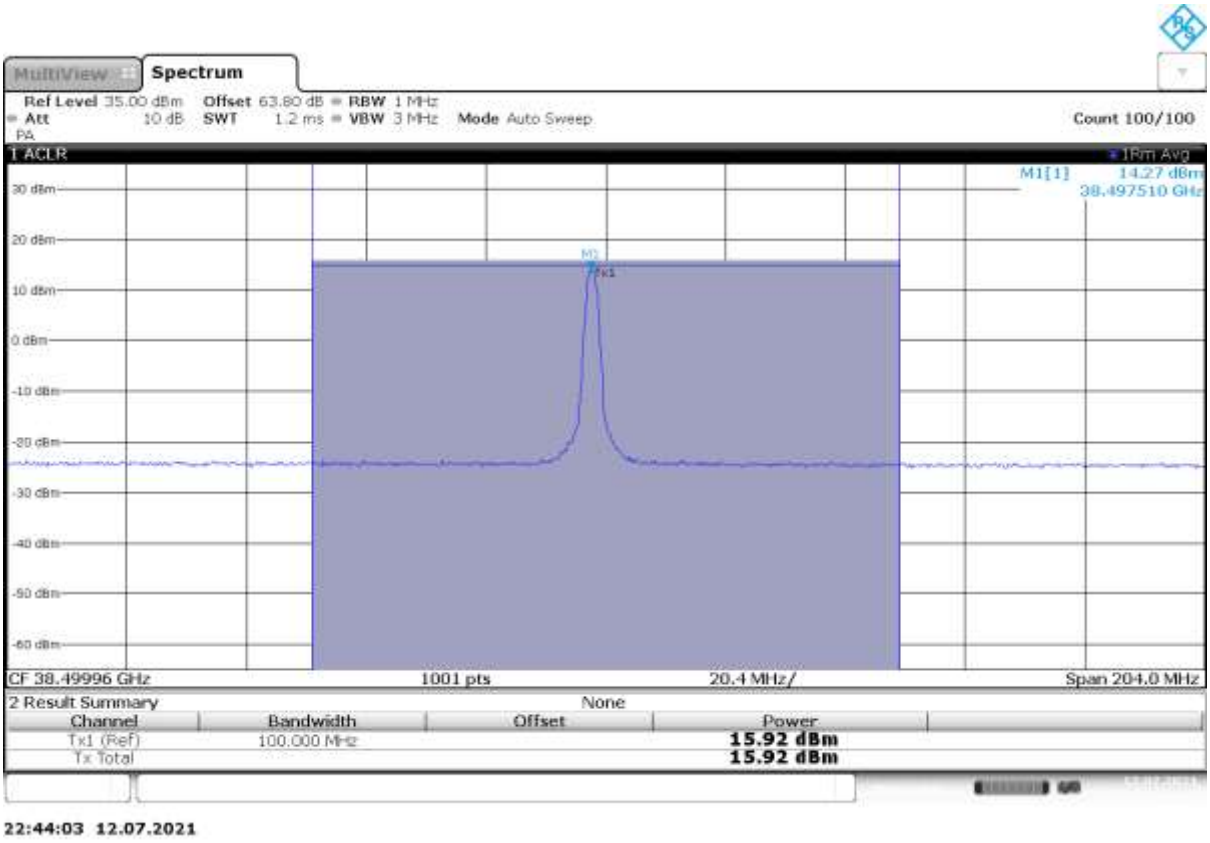
n260, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, QPSK



n260, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, 16QAM

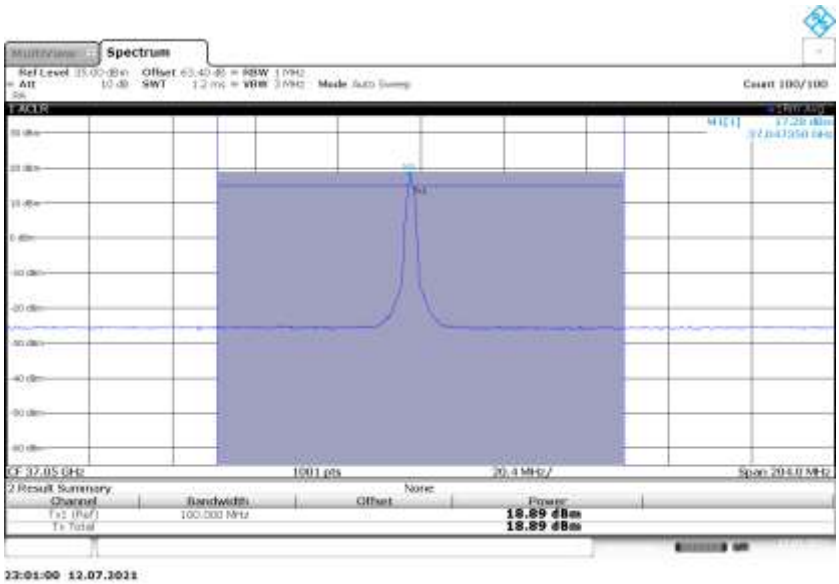


n260, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, 64QAM



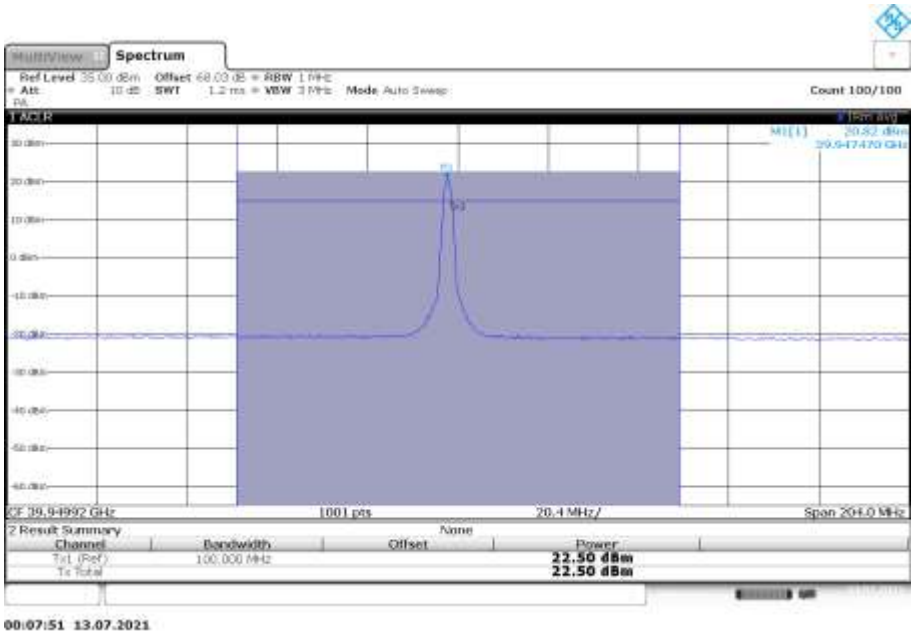
n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	37050	18.89	/	/

n260, Module0, 100MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



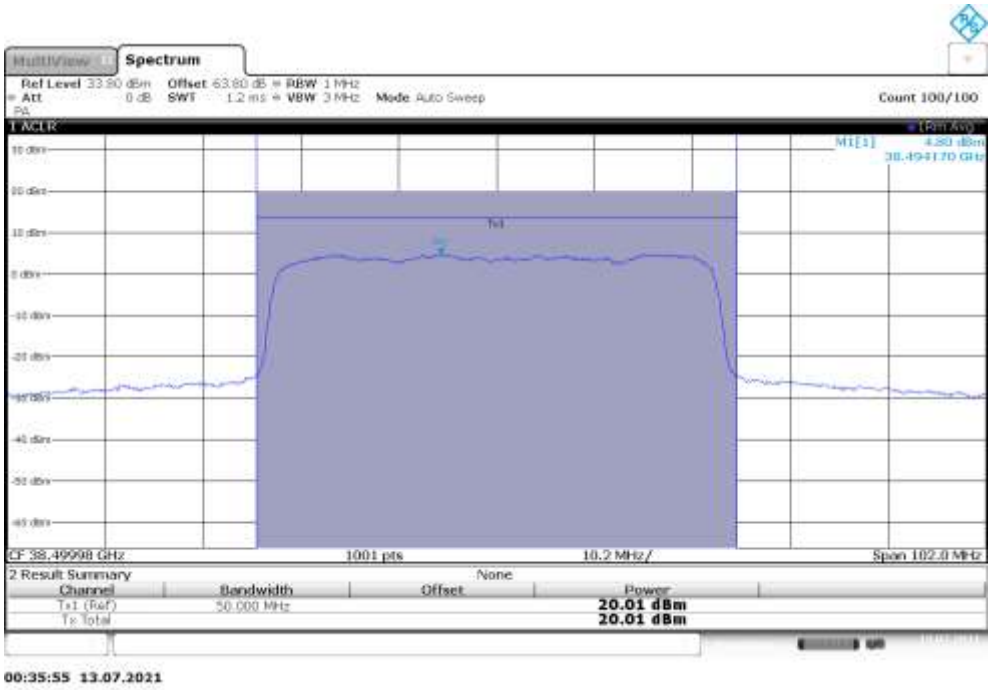
n260, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	39949.92	22.50	/	/

n260, Module0, 100MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	38499.96	20.01	18.39	15.42

n260, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



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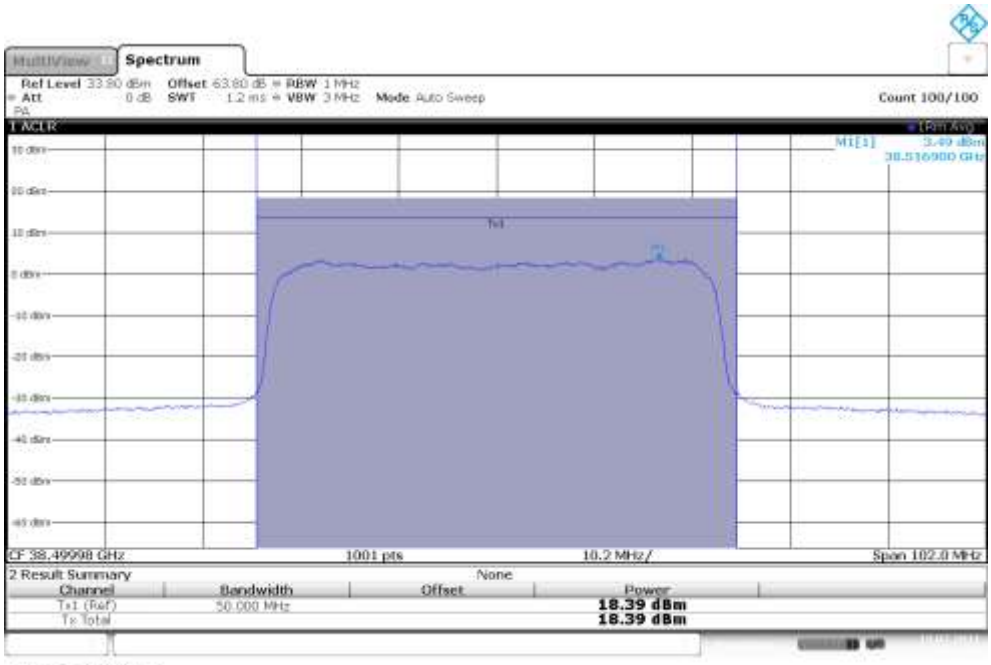
n260, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, 16QAM



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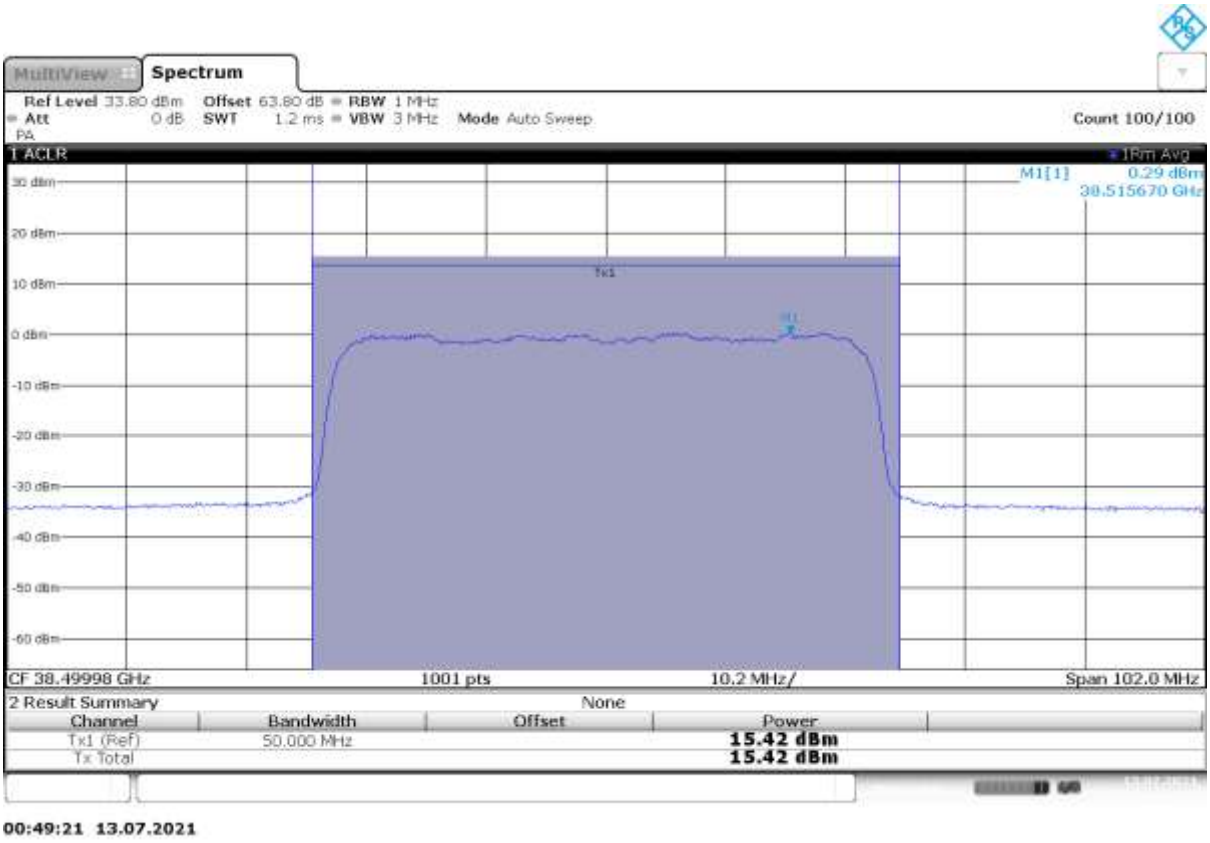
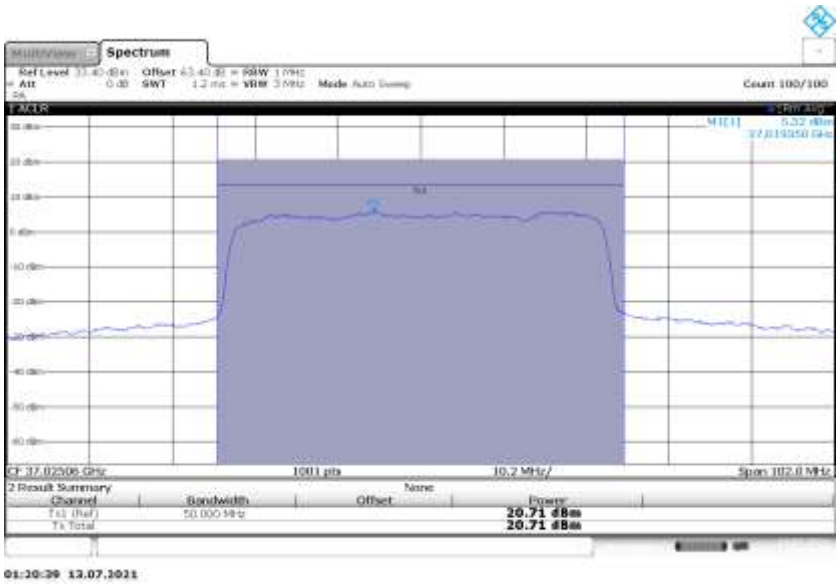
n260, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, 64QAM



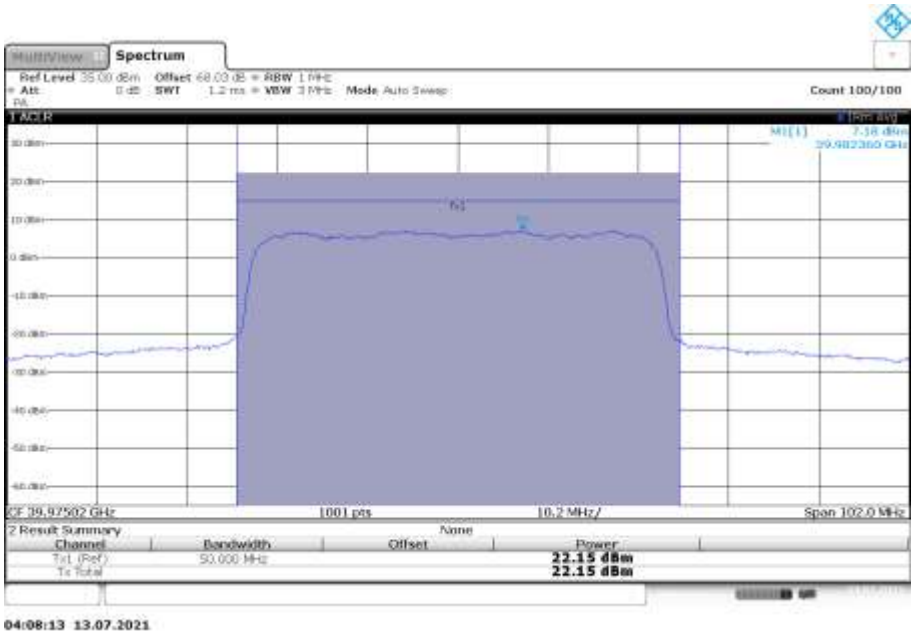
n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	37025.04	20.71	/	/

n260, Module0, 50MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



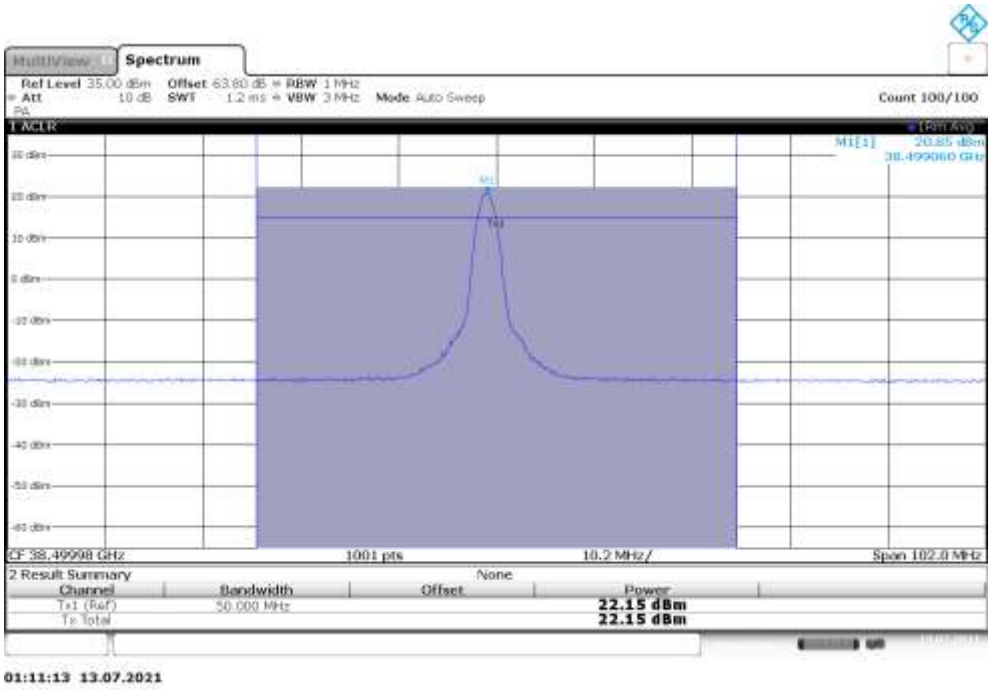
n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	39975	22.15	/	/

n260, Module0, 50MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK

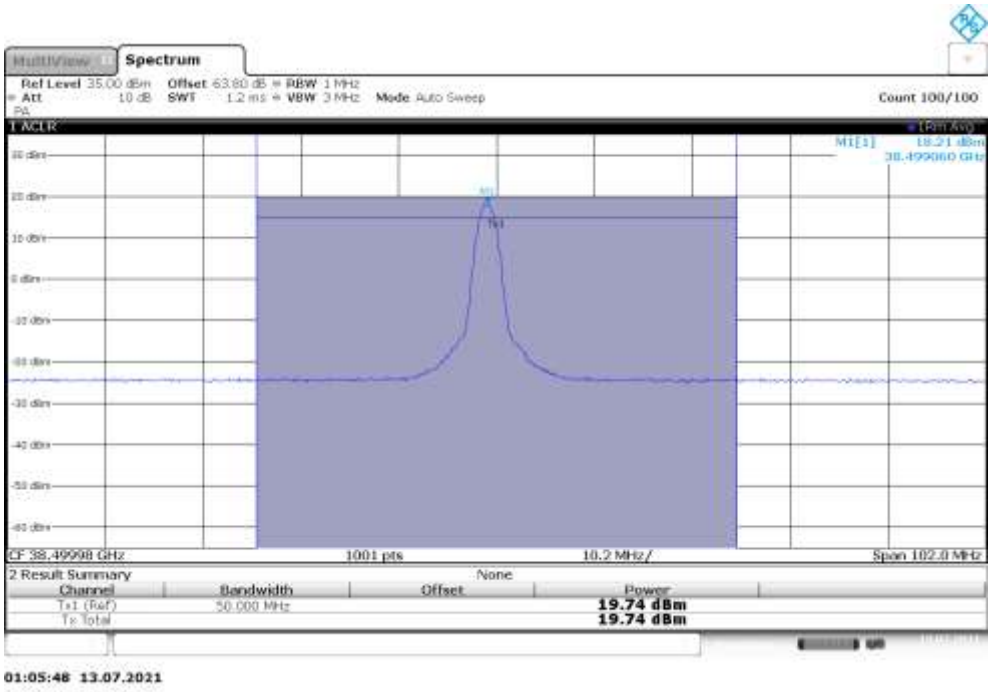


n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	38499.96	22.15	19.74	17.67

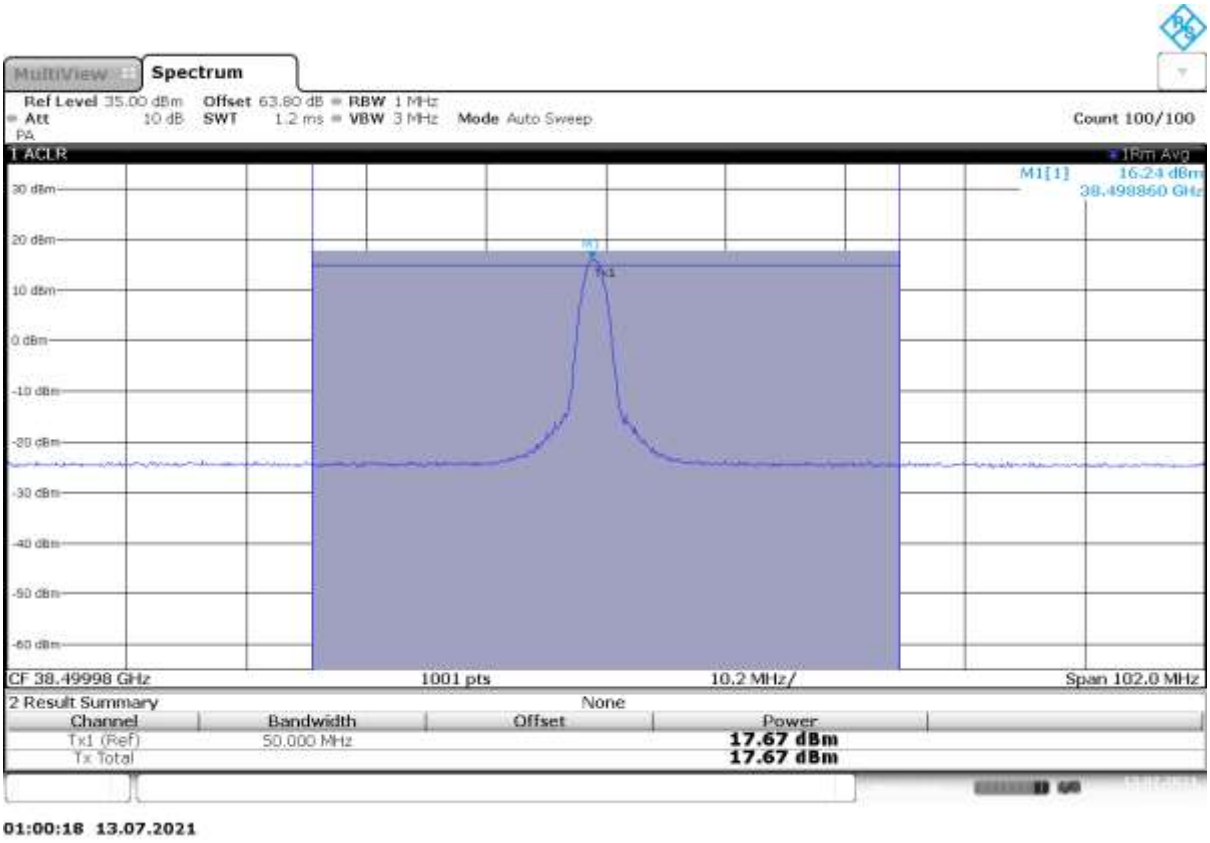
n260, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, QPSK



n260, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, 16QAM

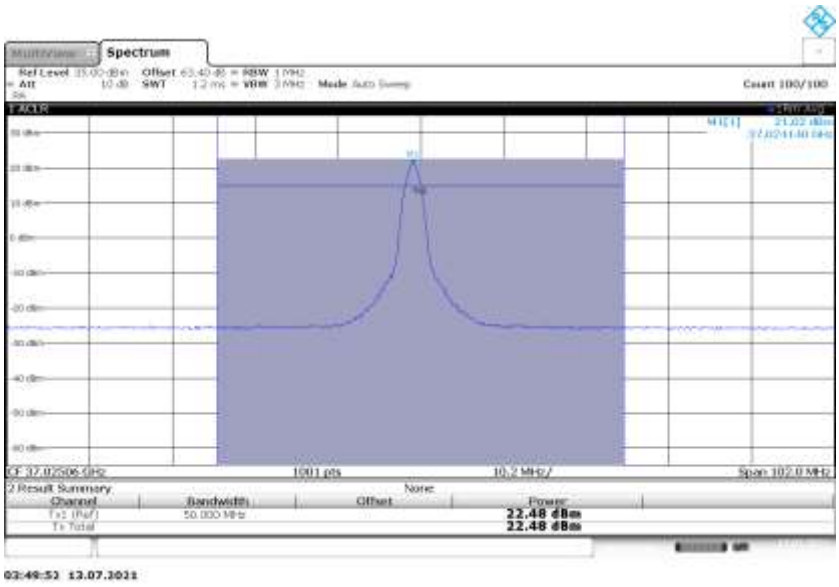


n260, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, 64QAM



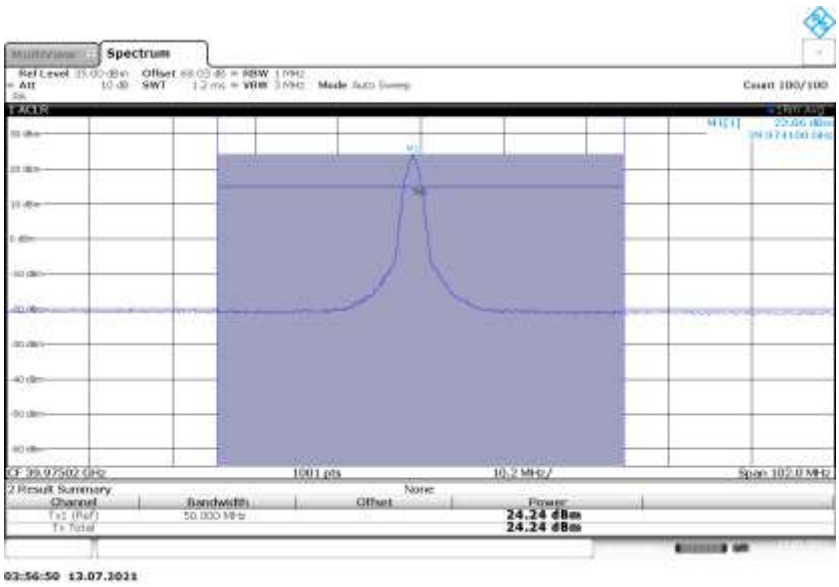
n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	37025.04	22.48	/	/

n260, Module0, 50MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



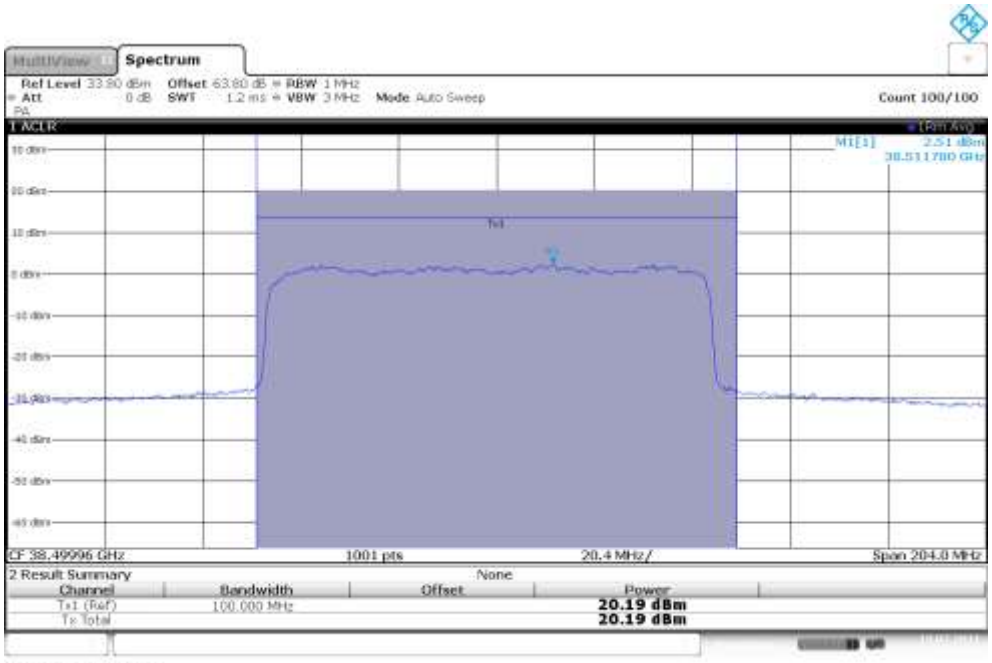
n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	39975	24.24	/	/

n260, Module0, 50MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	38499.96	20.19	18.74	15.92

n260, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



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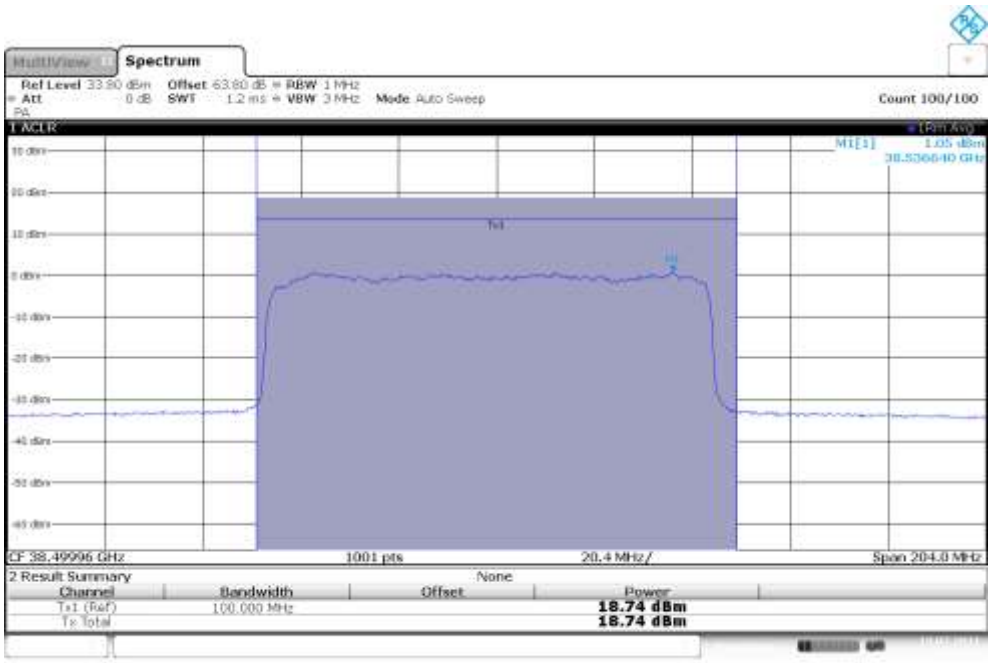
n260, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, 16QAM



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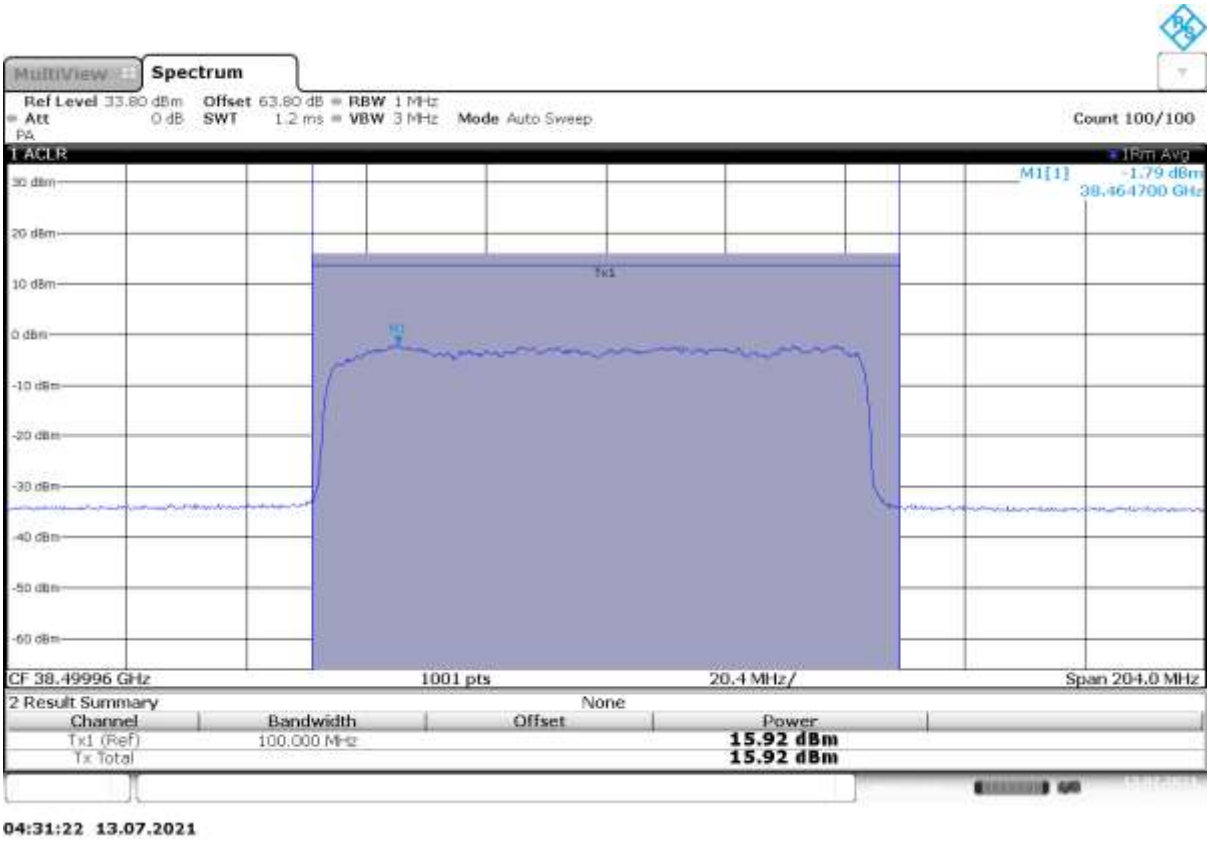
n260, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, 64QAM

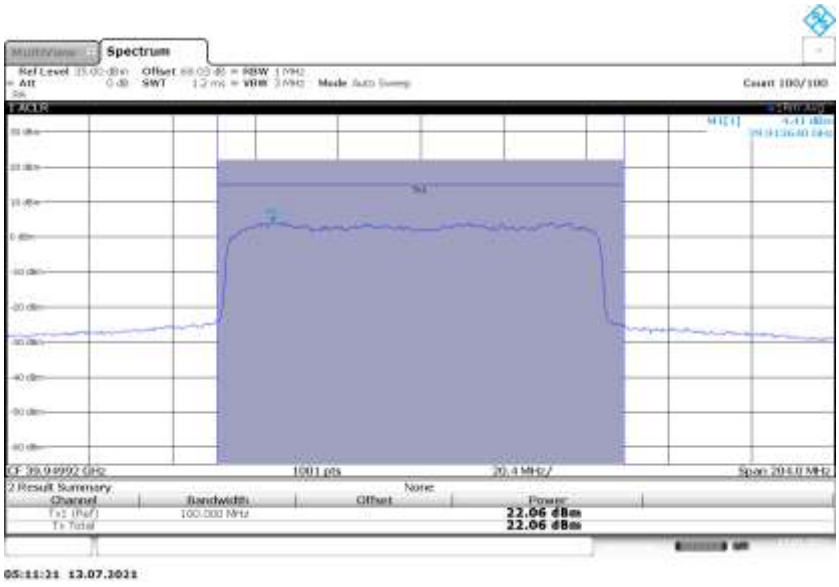


n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	37050	20.24	/	/

n260, Module0, 100MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK

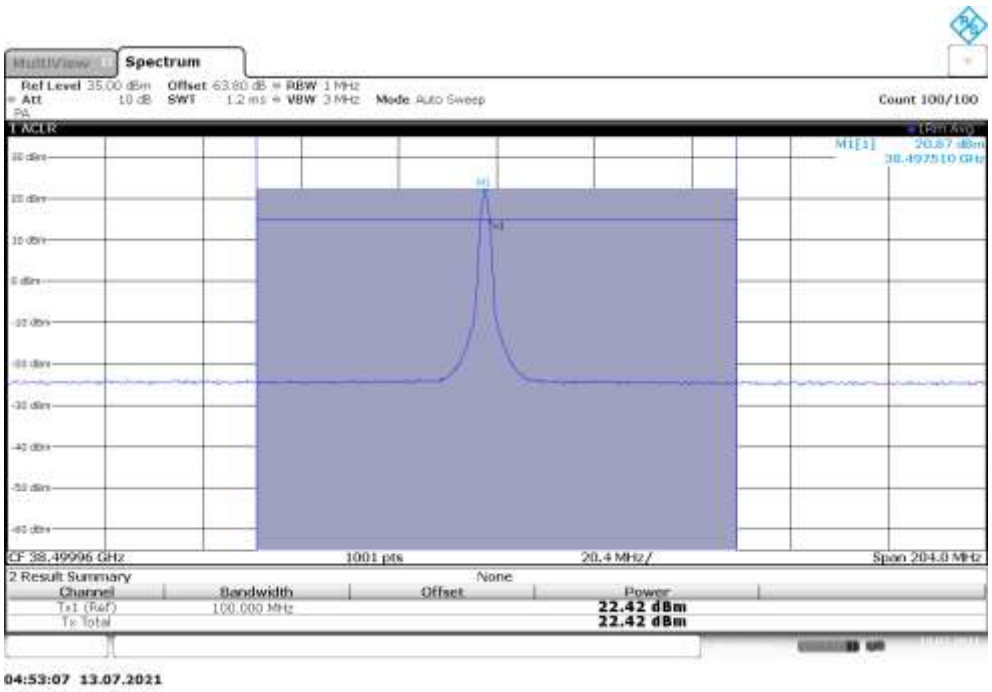
n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	39949.92	22.06	/	/

n260, Module0, 100MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK

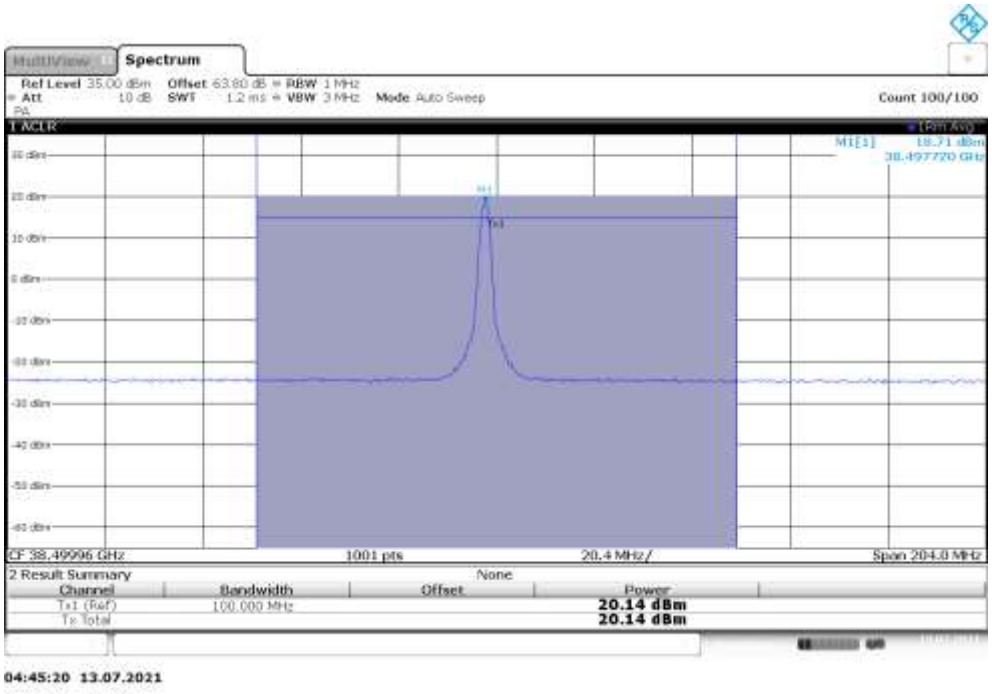


n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	38499.96	22.42	20.14	18.57

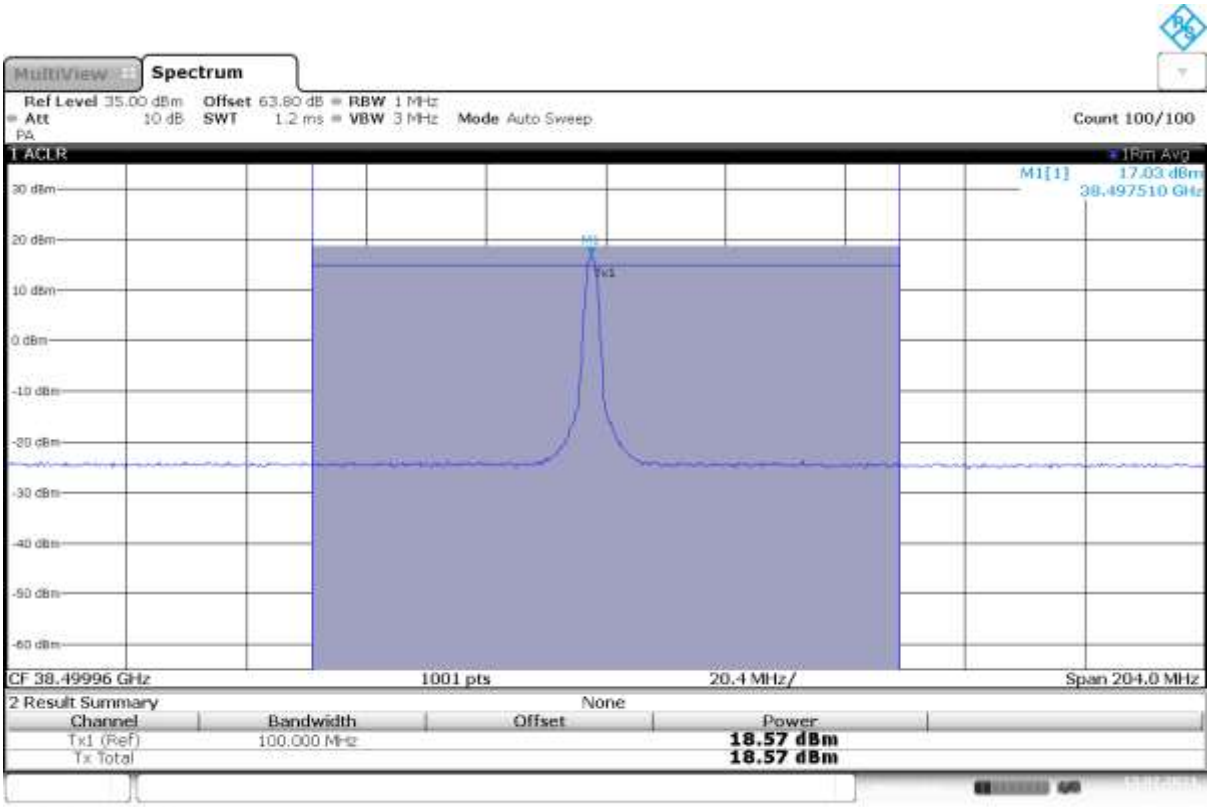
n260, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, QPSK



n260, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, 16QAM

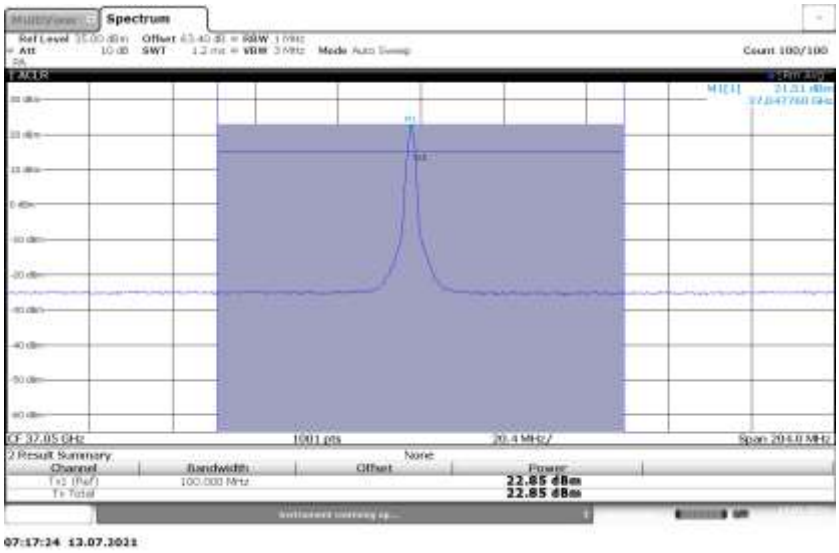


n260, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, 64QAM



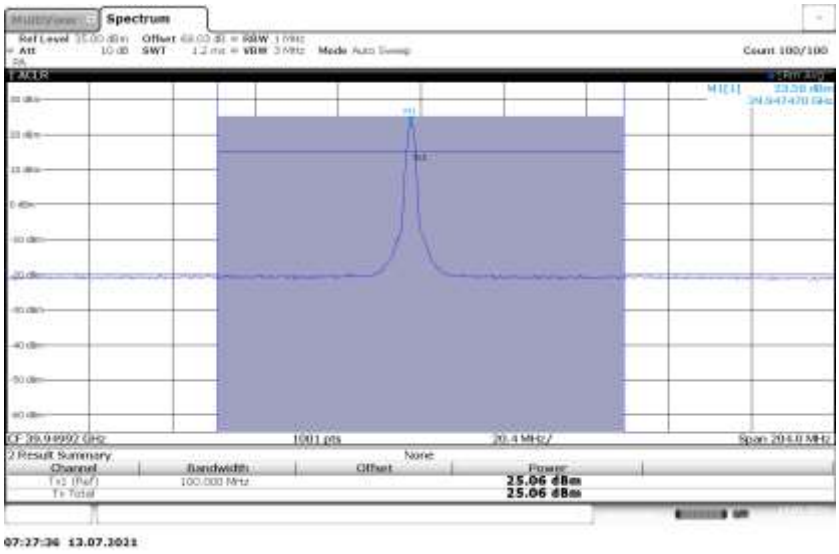
n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	37050	22.85	/	/

n260, Module0, 100MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



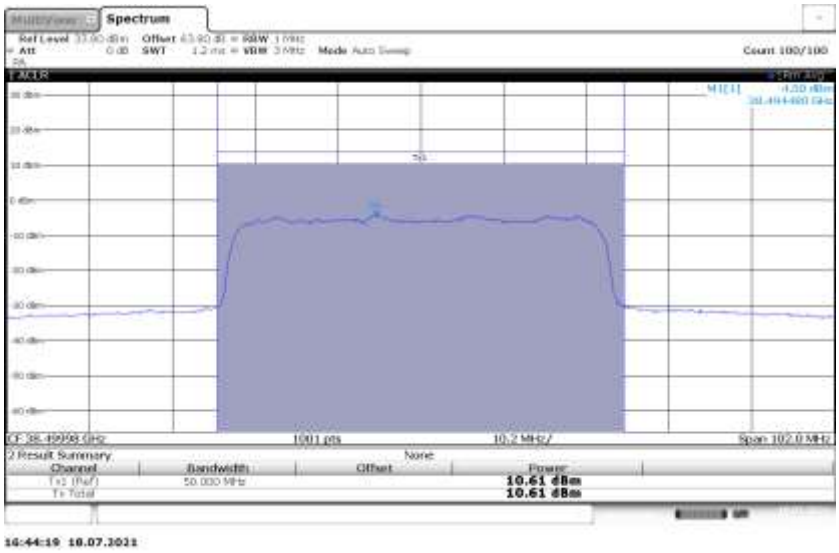
n260, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	39949.92	**25.06**	/	/

n260, Module0, 100MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	38499.96	10.61	/	/

n260, Module1, 50MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	37025.04	12.36	/	/

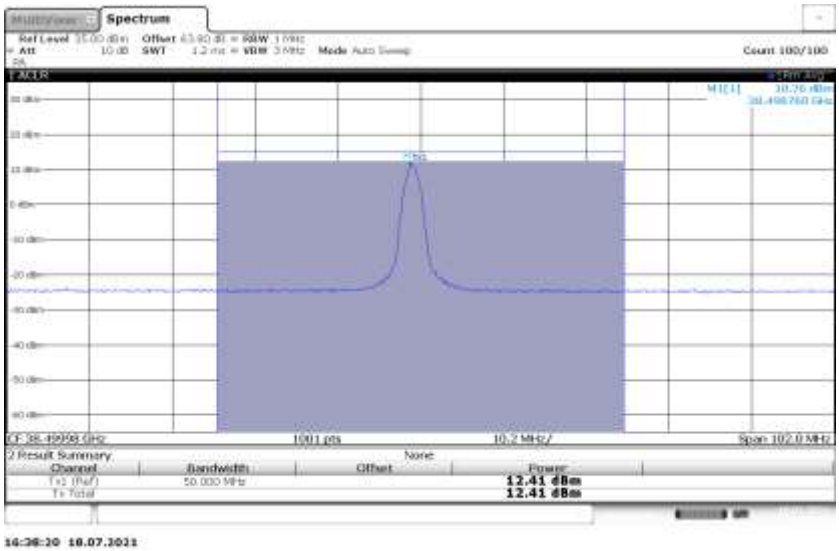
n260, Module1, 50MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK

n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	39975	10.59	/	/

n260, Module1, 50MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK

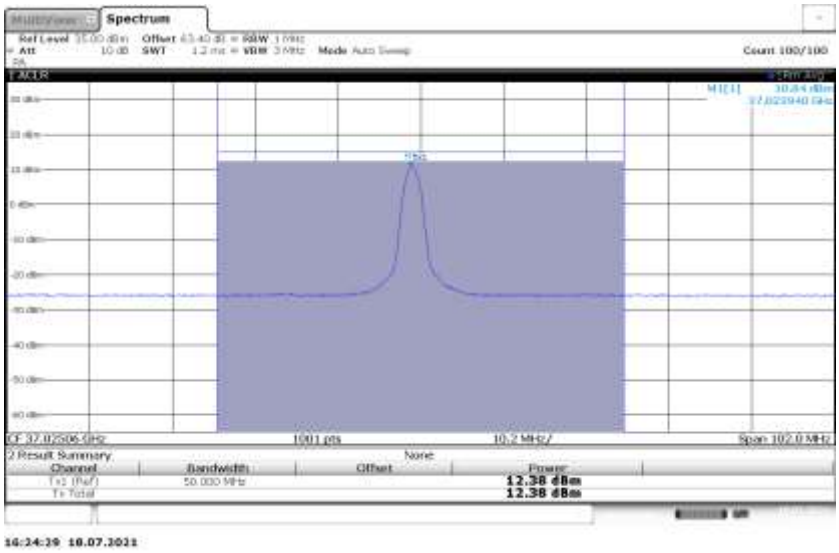
n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	38499.96	12.41	/	/

n260, Module1, 50MHz Bandwidth, 1RB, MID CHANNEL, QPSK



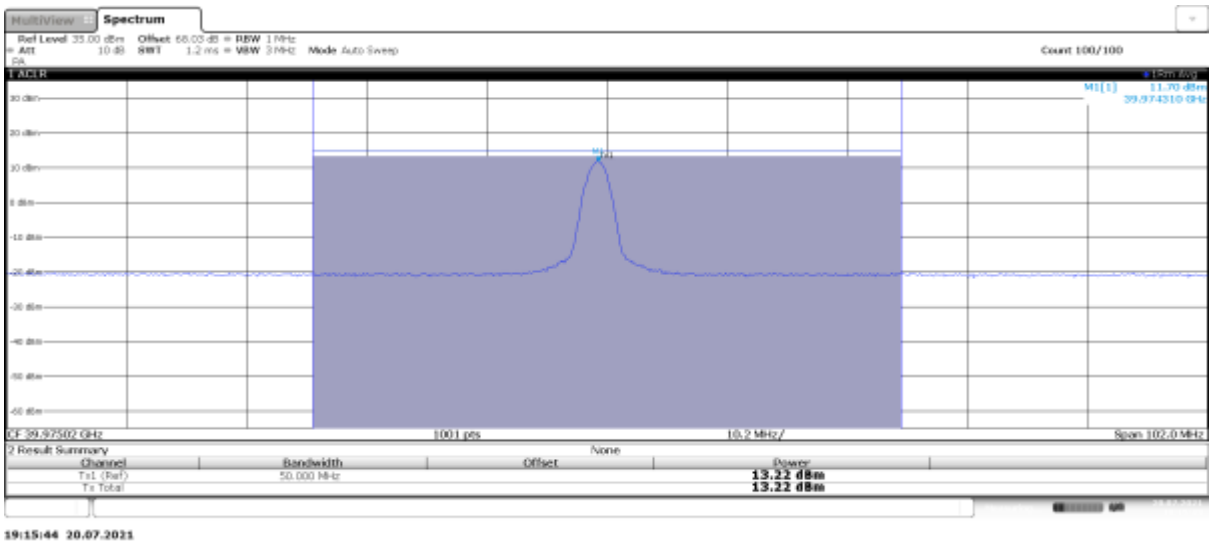
n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	37025.04	12.38	/	/

n260, Module1, 50MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



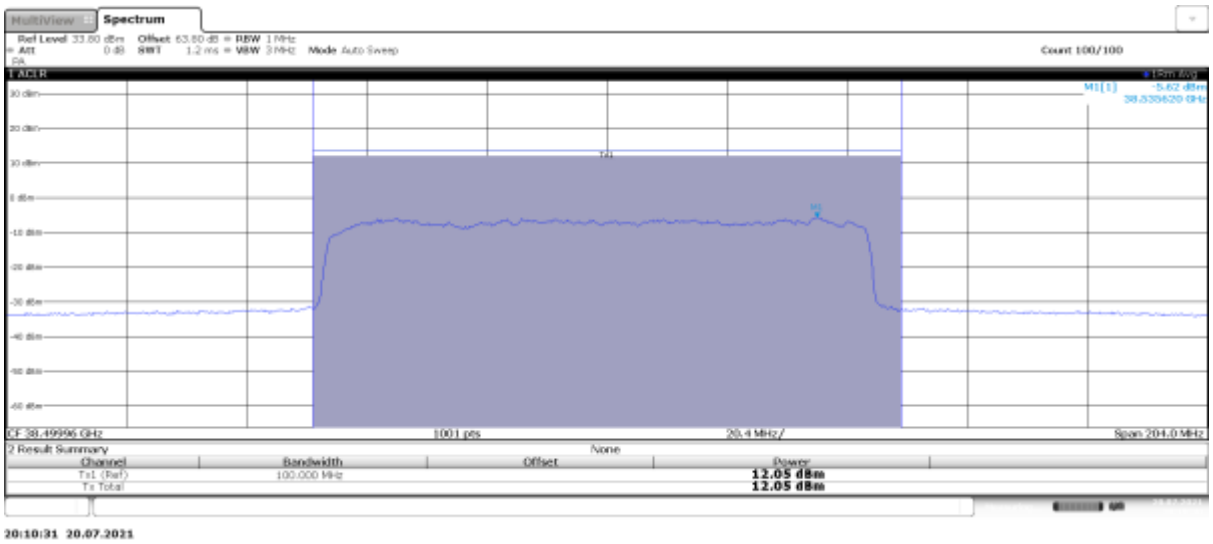
n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	39975	13.22	/	/

n260, Module1, 50MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	38499.96	12.05	/	/

n260, Module1, 100MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	37050	10.27	/	/

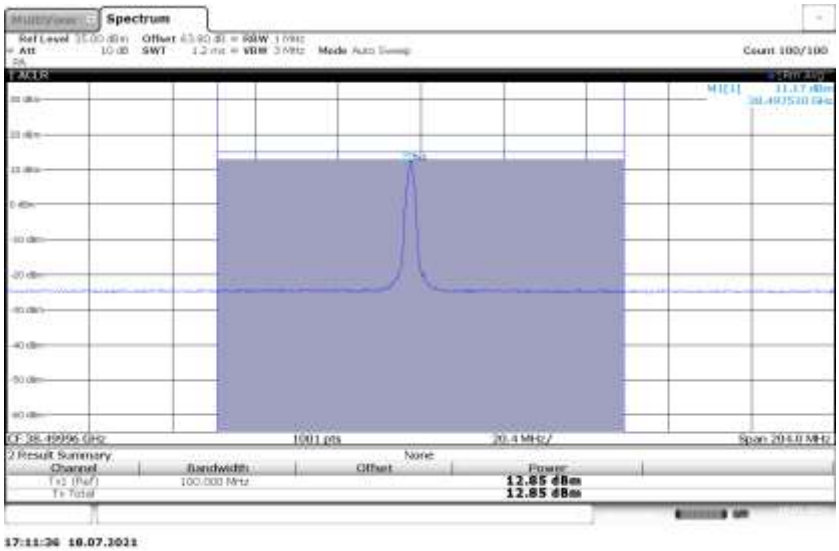
n260, Module1, 100MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK

n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	39949.92	10.65	/	/

n260, Module1, 100MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK

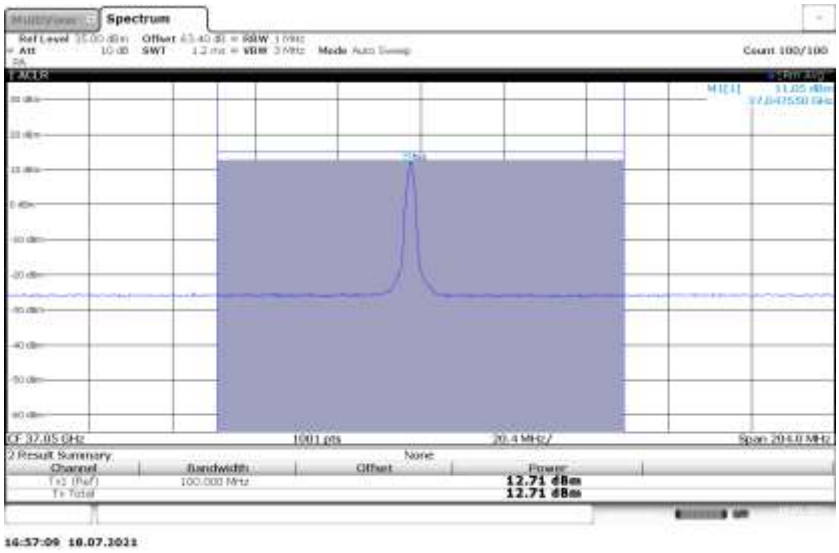
n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	38499.96	12.85	/	/

n260, Module1, 100MHz Bandwidth, 1RB, MID CHANNEL, QPSK



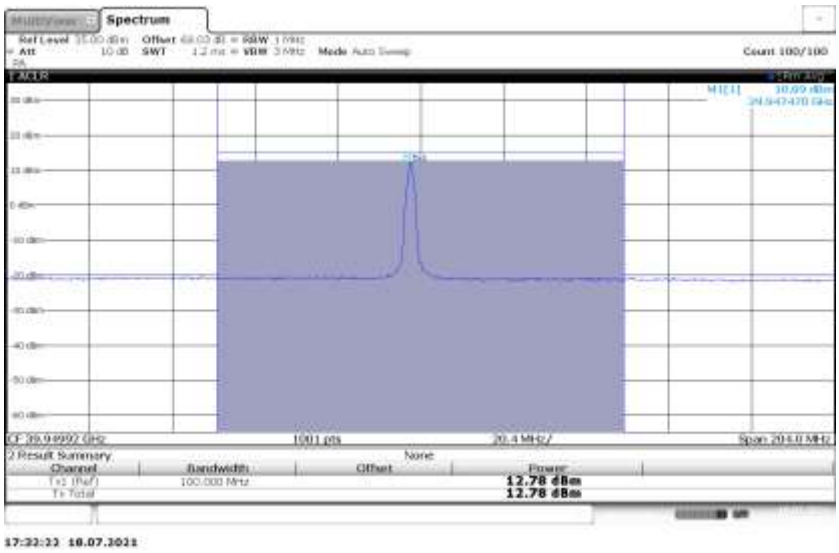
n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	37050	12.71	/	/

n260, Module1, 100MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



n260, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	39949.92	12.78	/	/

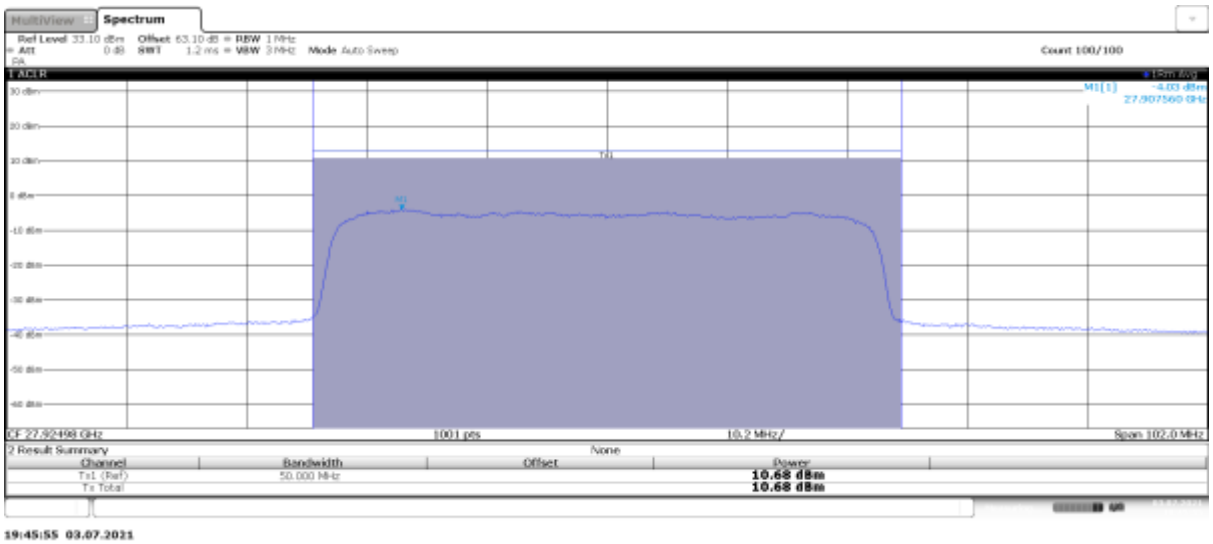
n260, Module1, 100MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



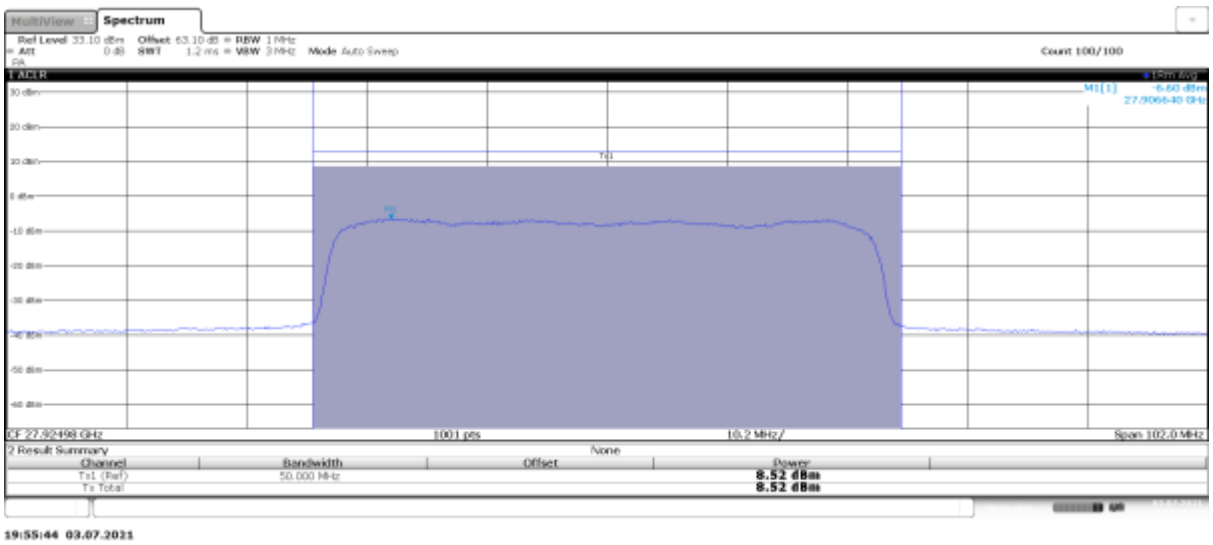
n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	27924.96	11.85	10.68	8.52

n261, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, QPSK

n261, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, 16QAM

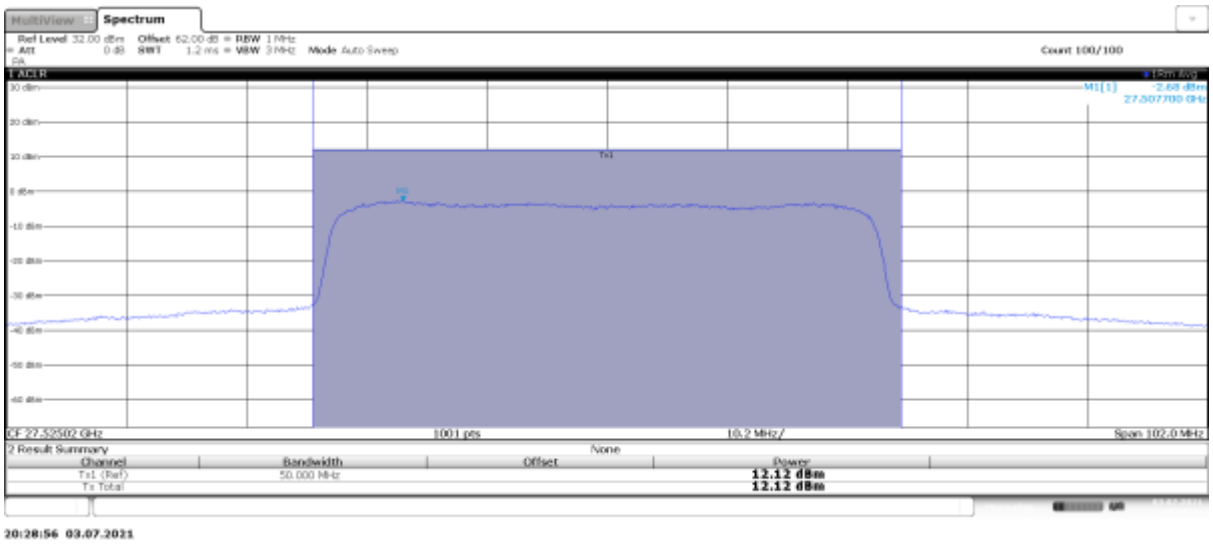


n261, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, 64QAM



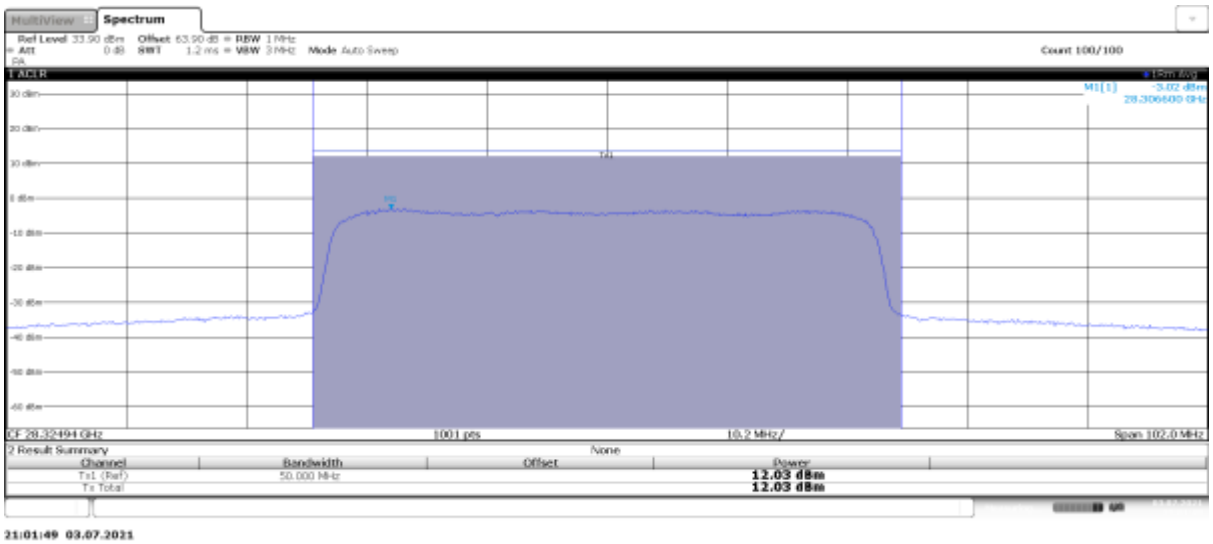
n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	27525	12.12	/	/

n261, Module0, 50MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



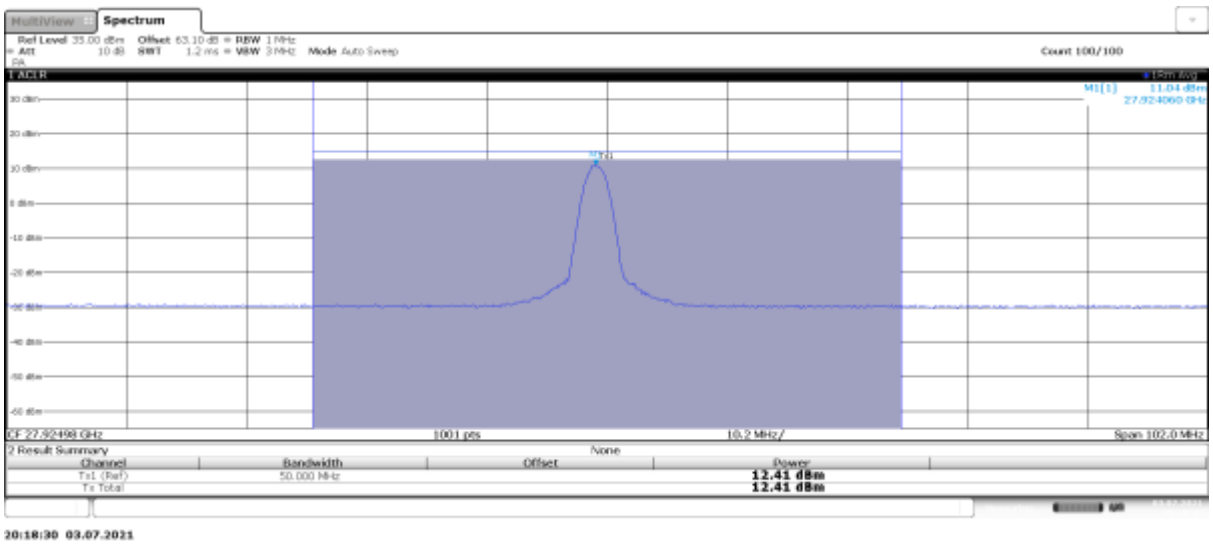
n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	28324.92	12.03	/	/

n261, Module0, 50MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK

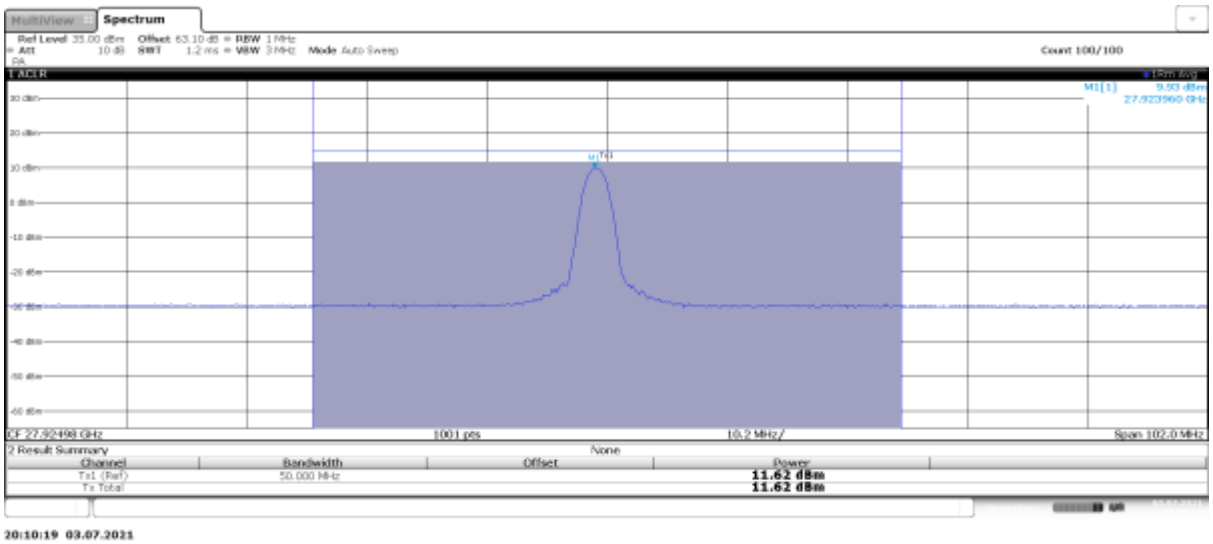


n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	27924.96	12.41	11.62	9.45

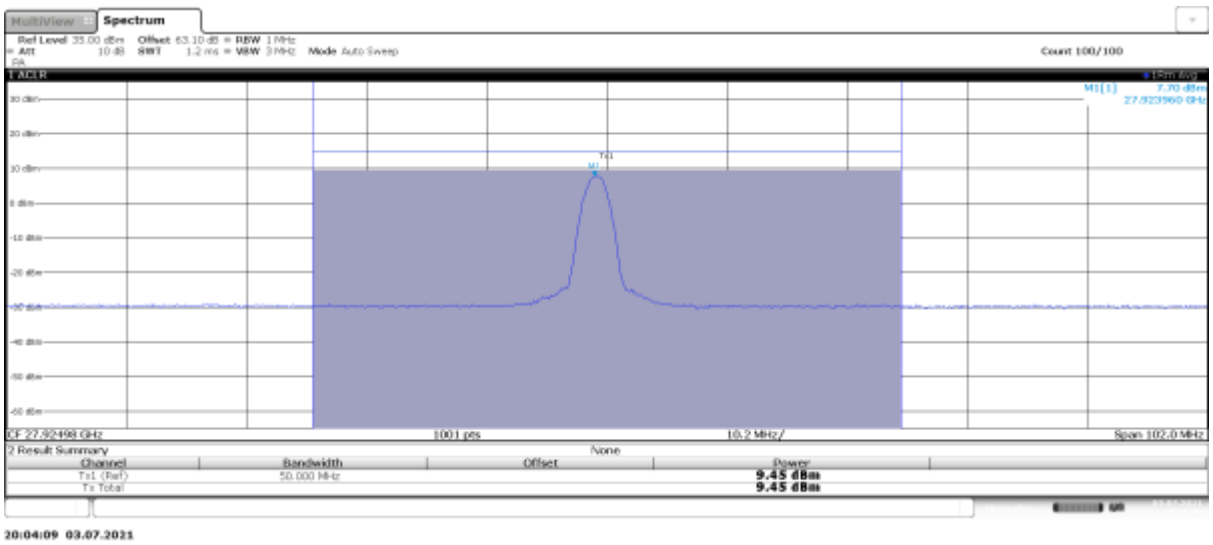
n261, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, QPSK



n261, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, 16QAM

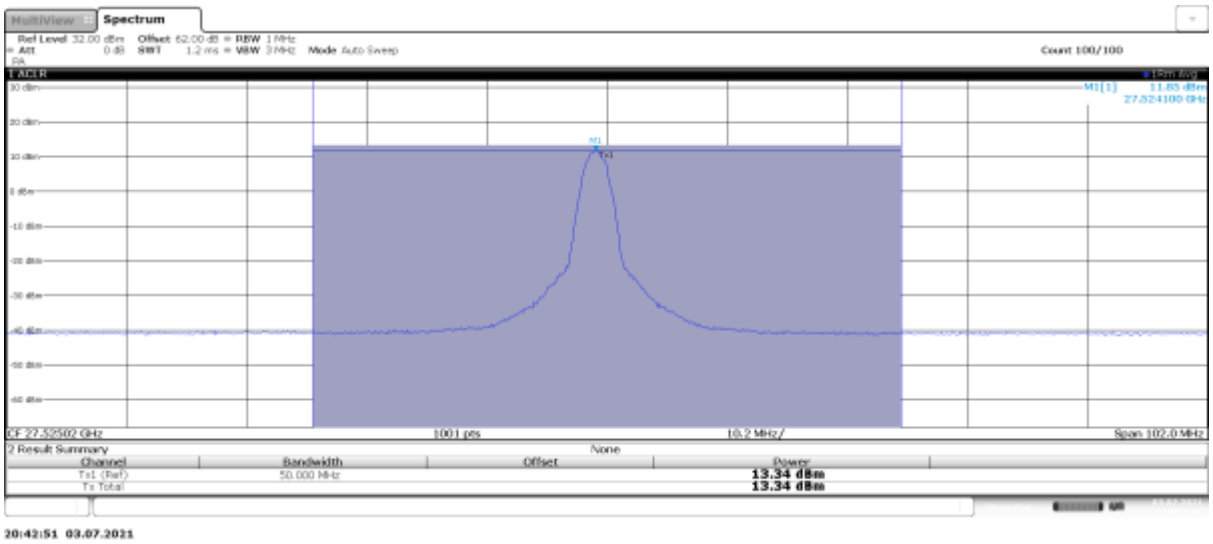


n261, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, 64QAM



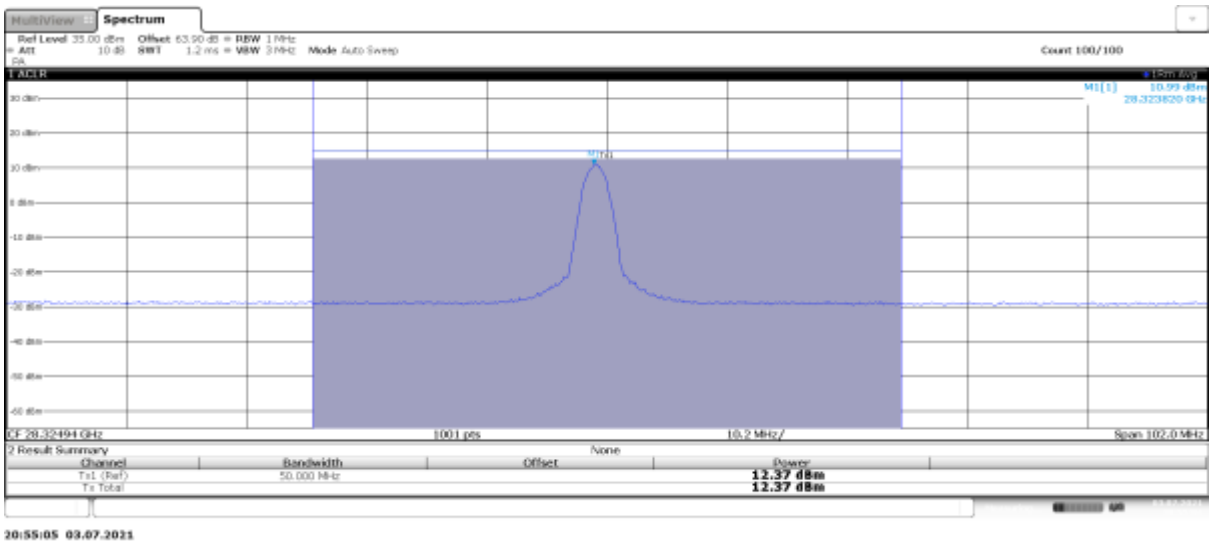
n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	27525	13.34	/	/

n261, Module0, 50MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



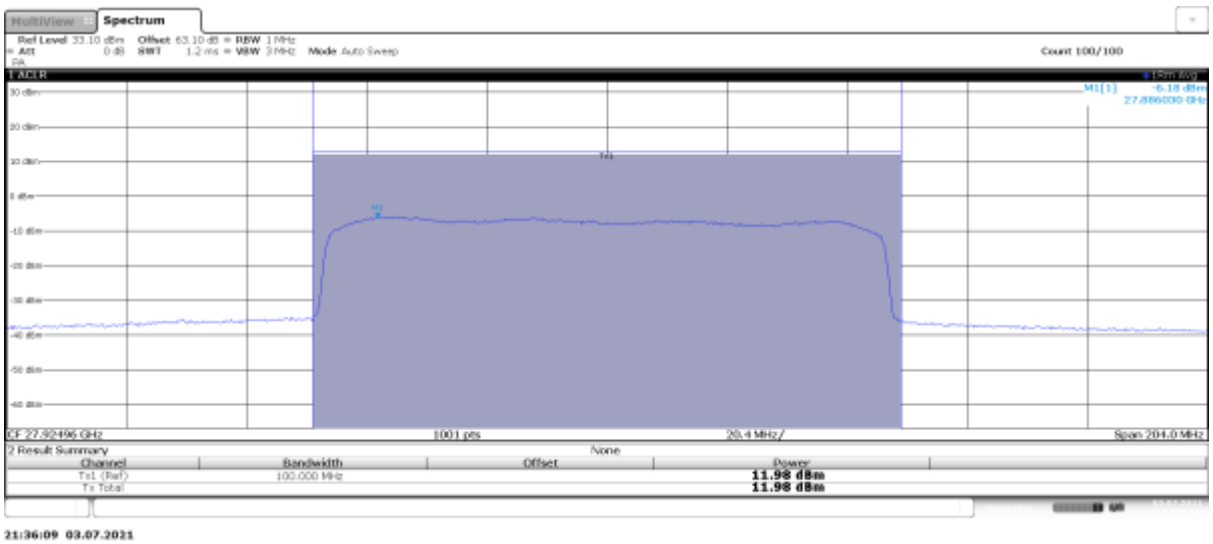
n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	28324.92	12.37	/	/

n261, Module0, 50MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK

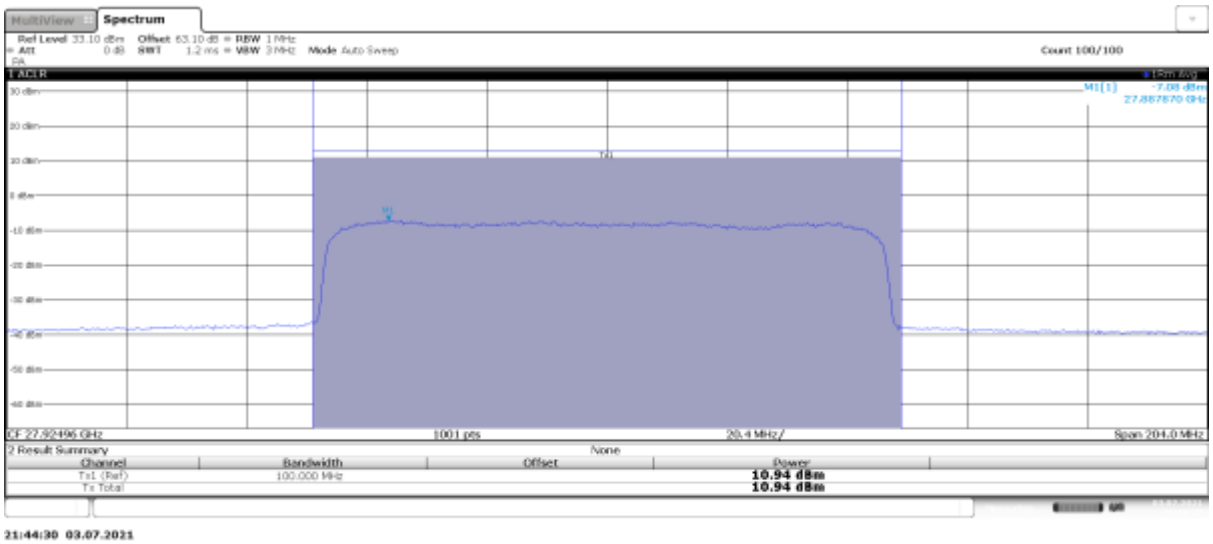


n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	27924.96	11.98	10.94	8.95

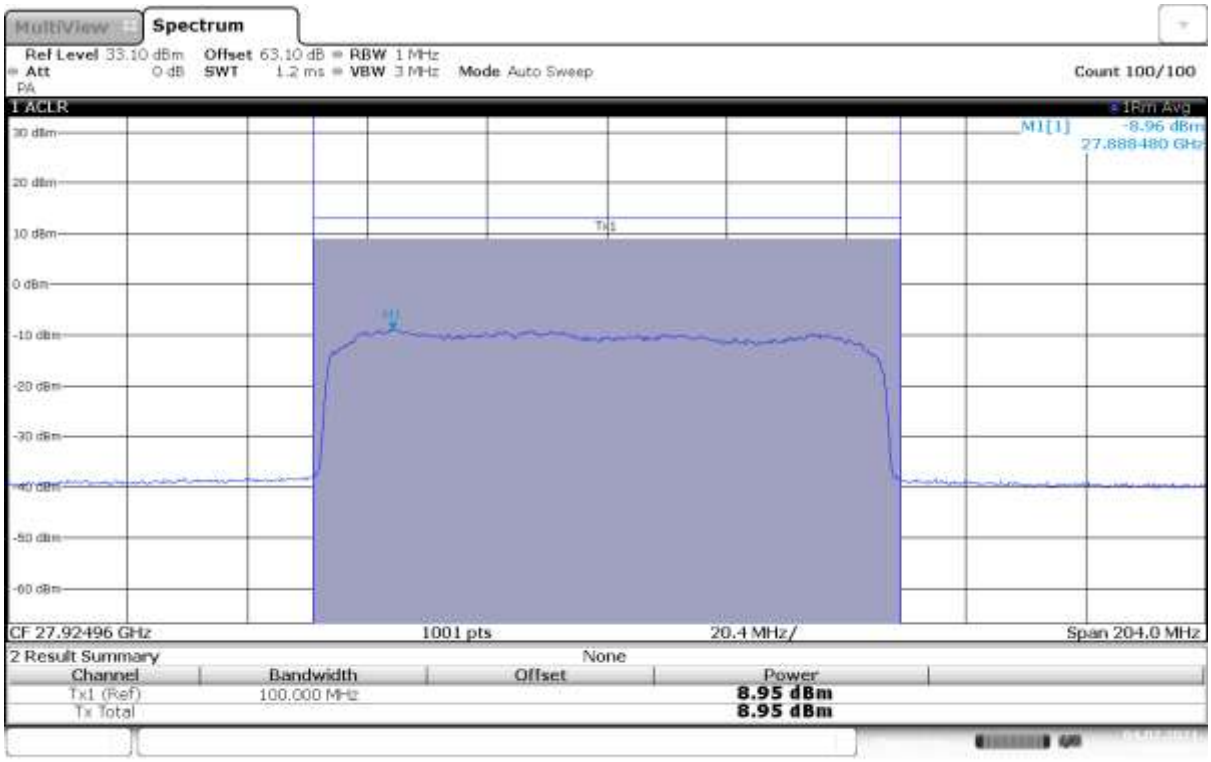
n261, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



n261, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, 16QAM

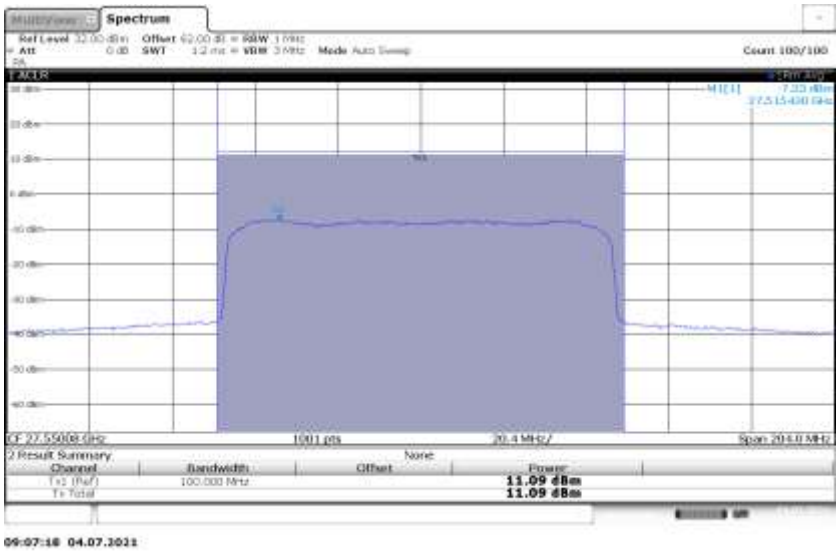


n261, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, 64QAM



n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	27550.08	11.09	/	/

n261, Module0, 100MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK

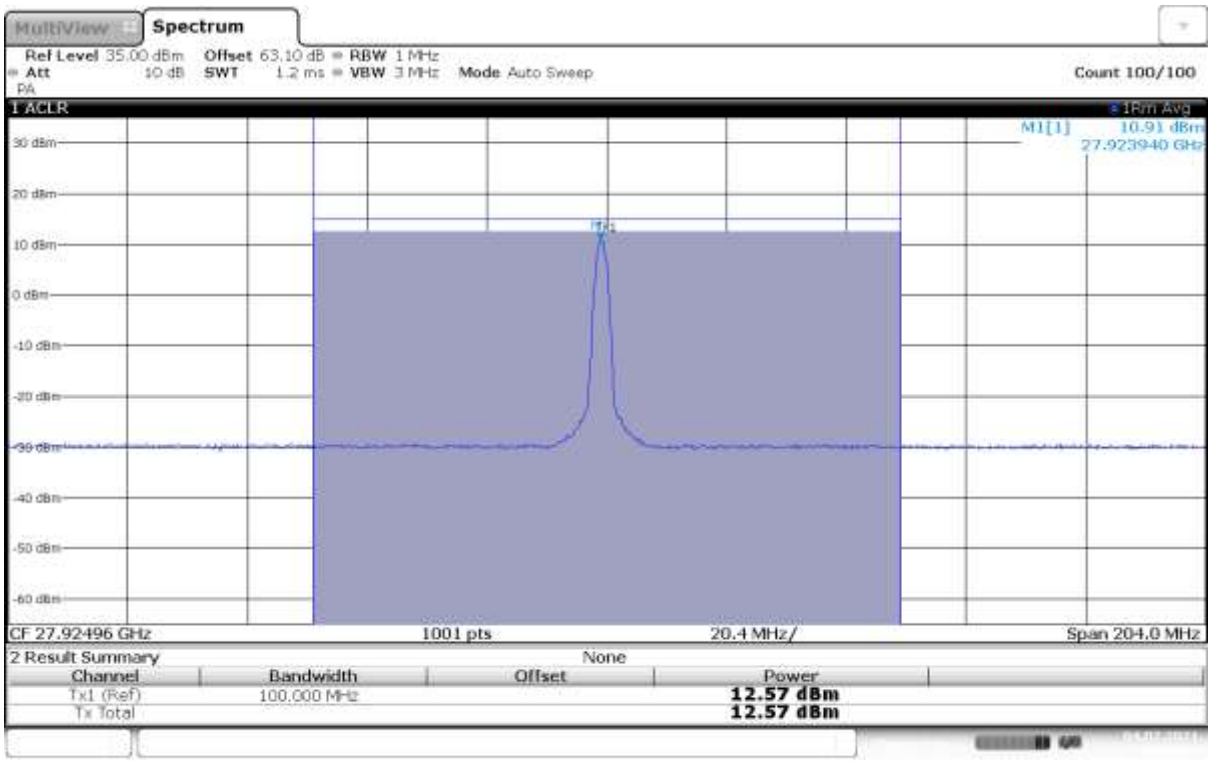


n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	28299.96	11.12	/	/

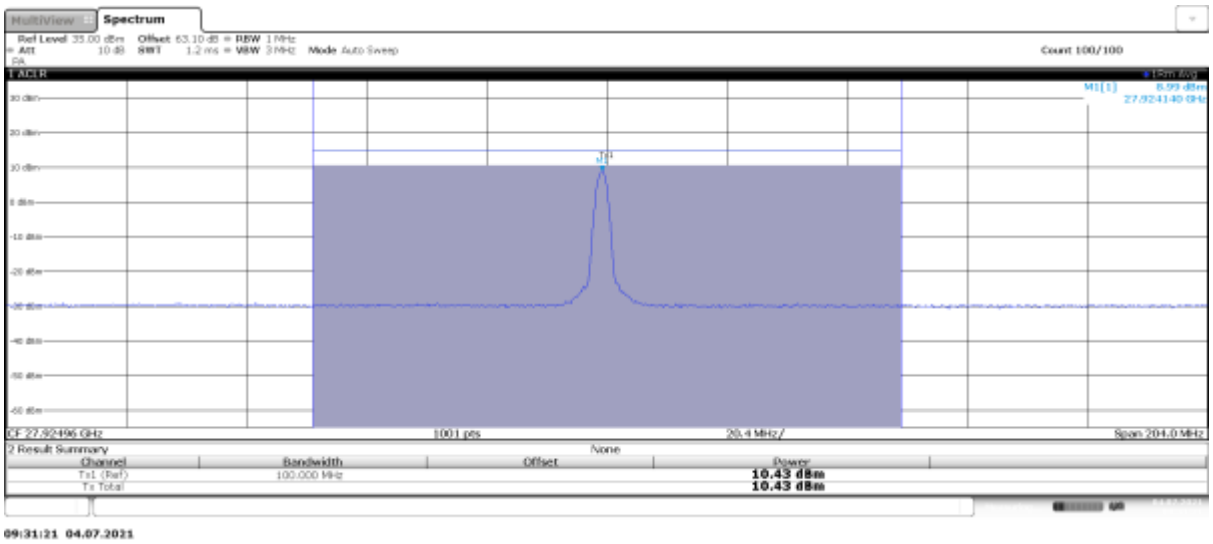
n261, Module0, 100MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK

n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	27924.96	12.57	10.43	8.77

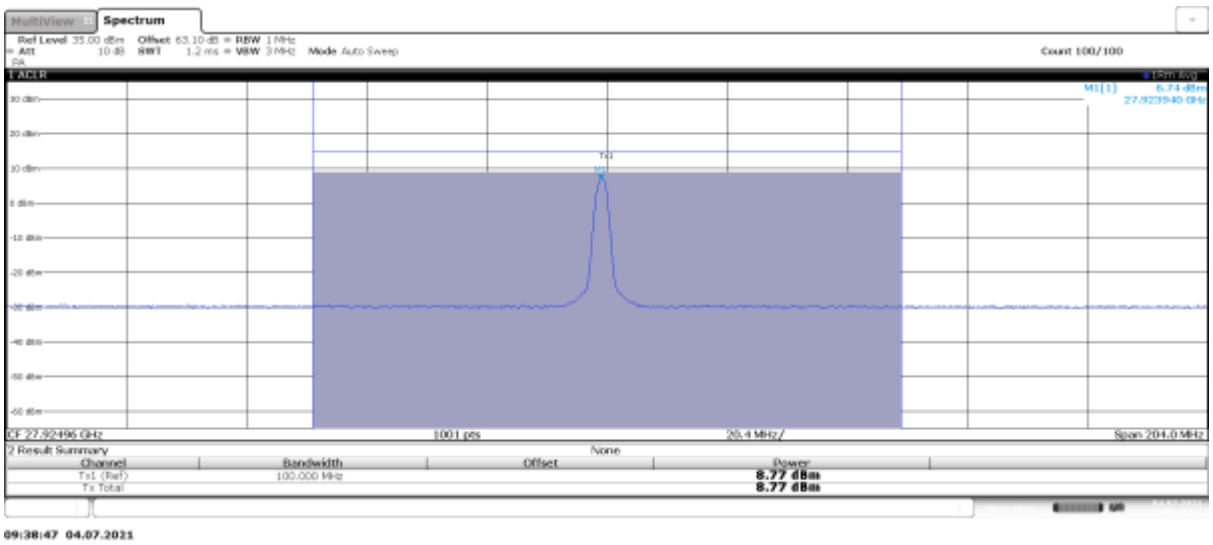
n261, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, QPSK



n261, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, 16QAM

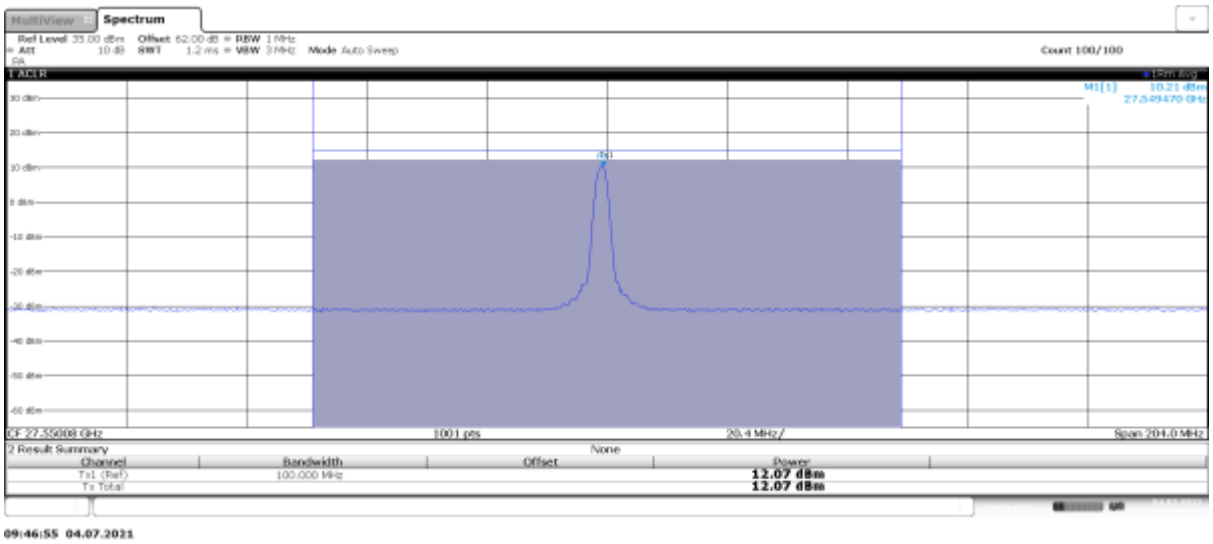


n261, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, 64QAM



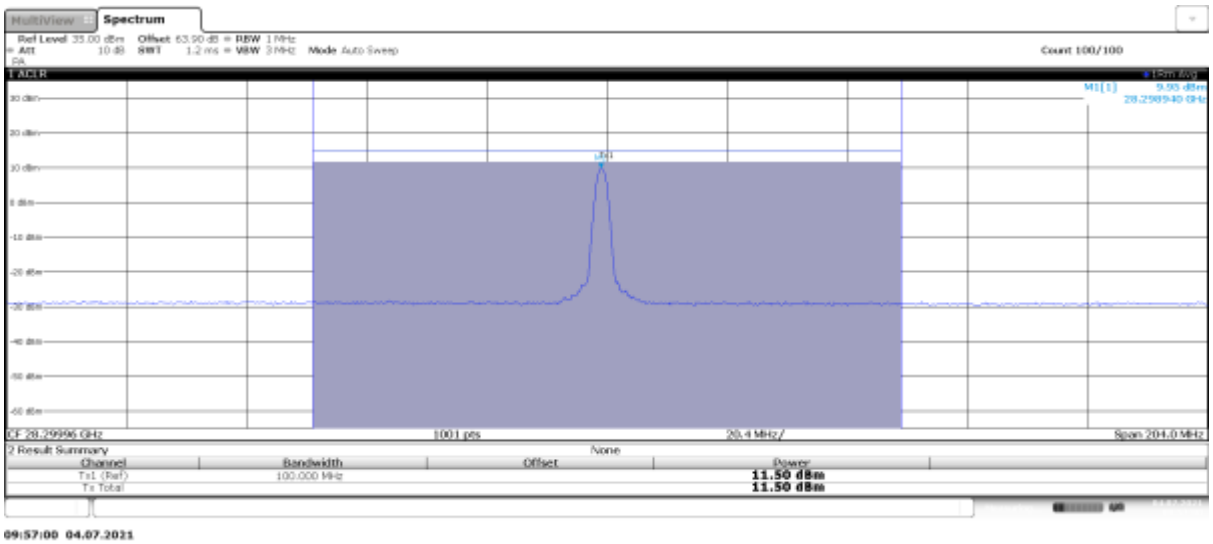
n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	27550.08	12.07	/	/

n261, Module0, 100MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



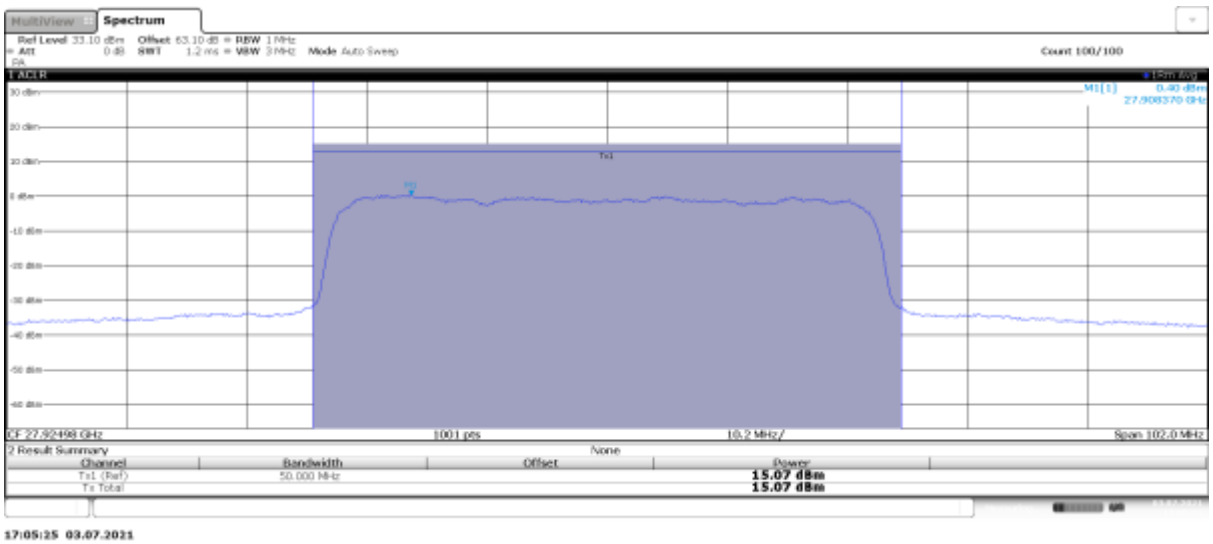
n261, Module0, SCS=120kHz, CP-OFDM					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	28299.96	11.50	/	/

n261, Module0, 100MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK

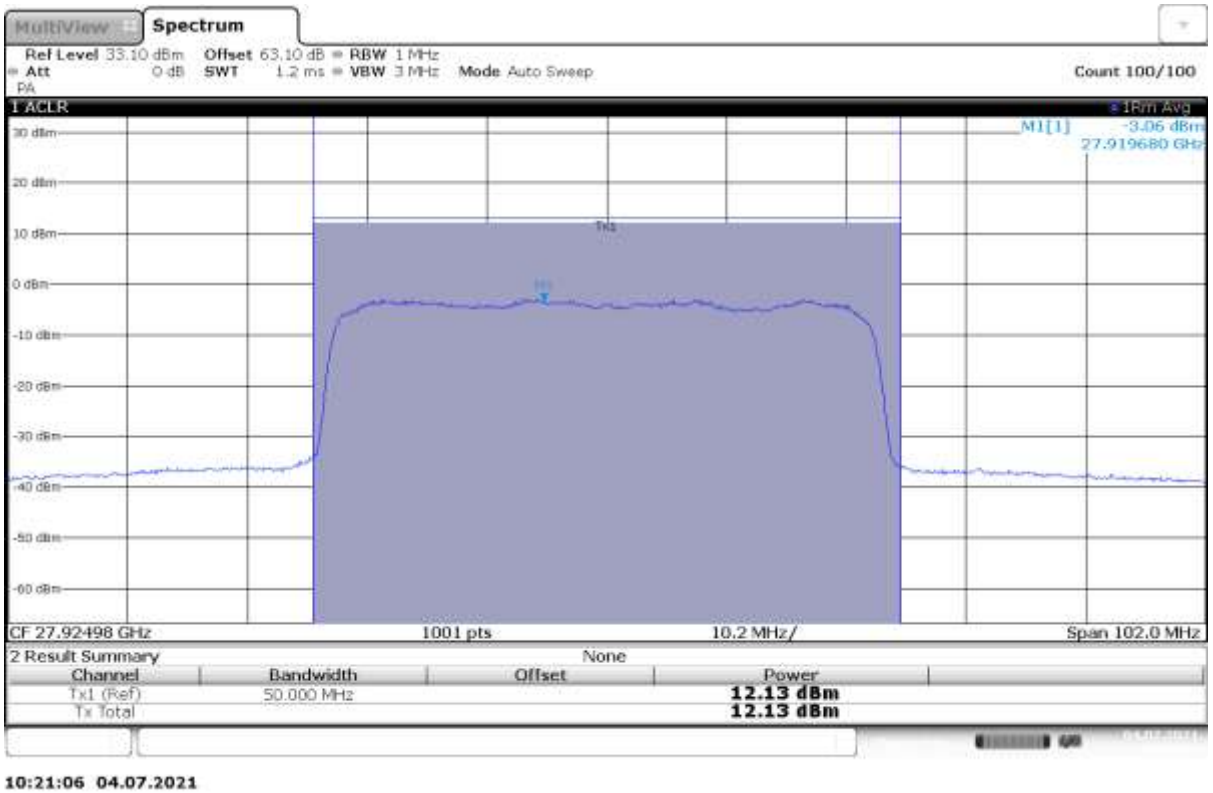


n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	27924.96	15.07	12.13	10.06

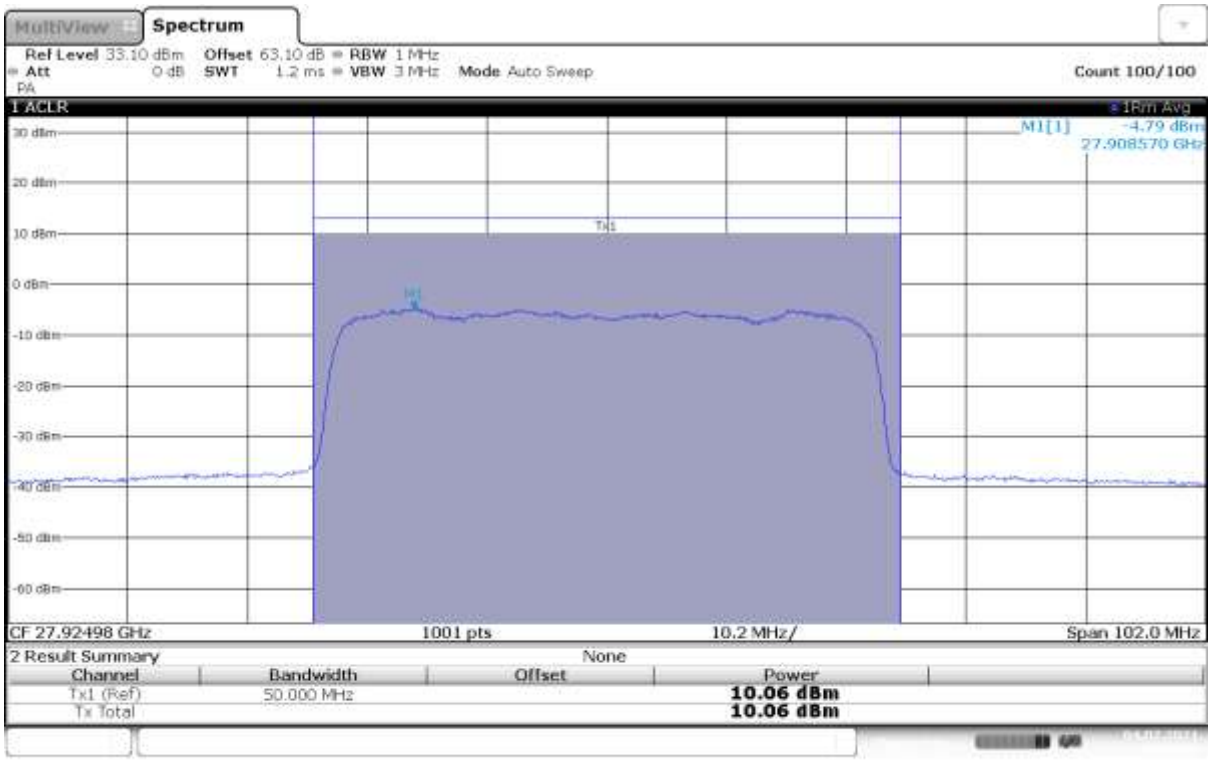
n261, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



n261, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, 16QAM



n261, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, 64QAM



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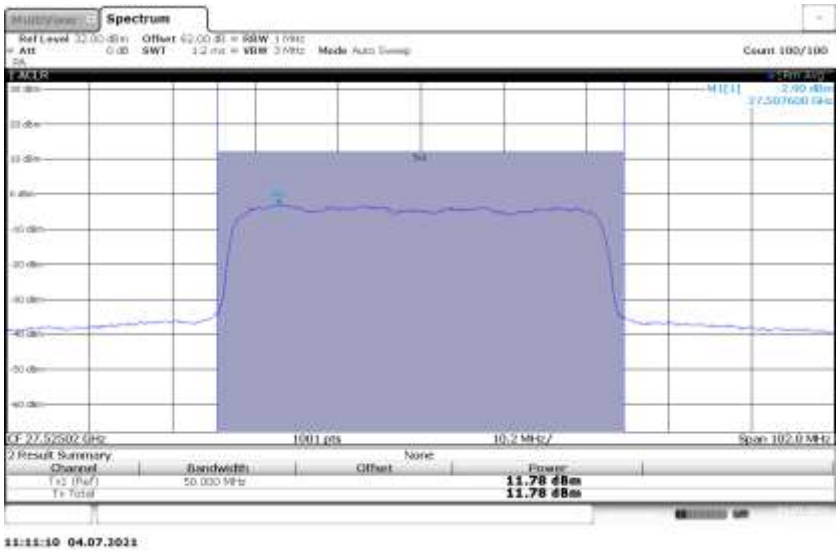
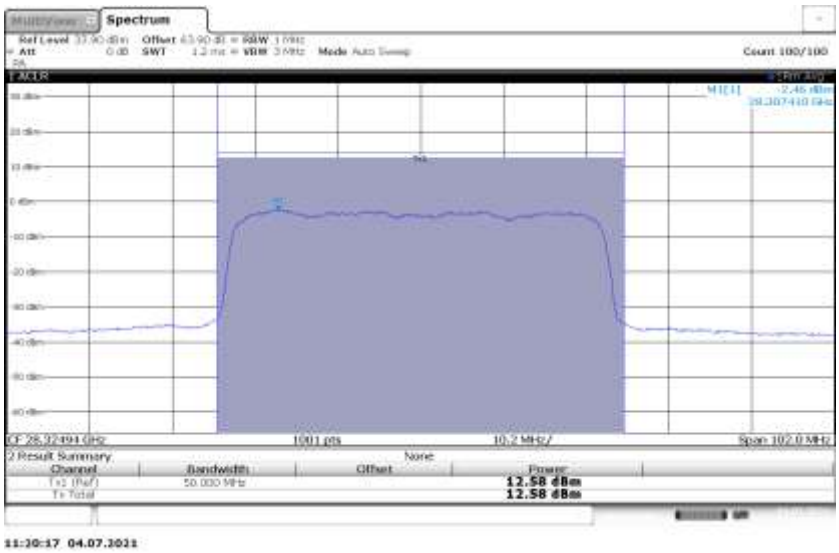
n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	27525	11.78	/	/

n261, Module0, 50MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



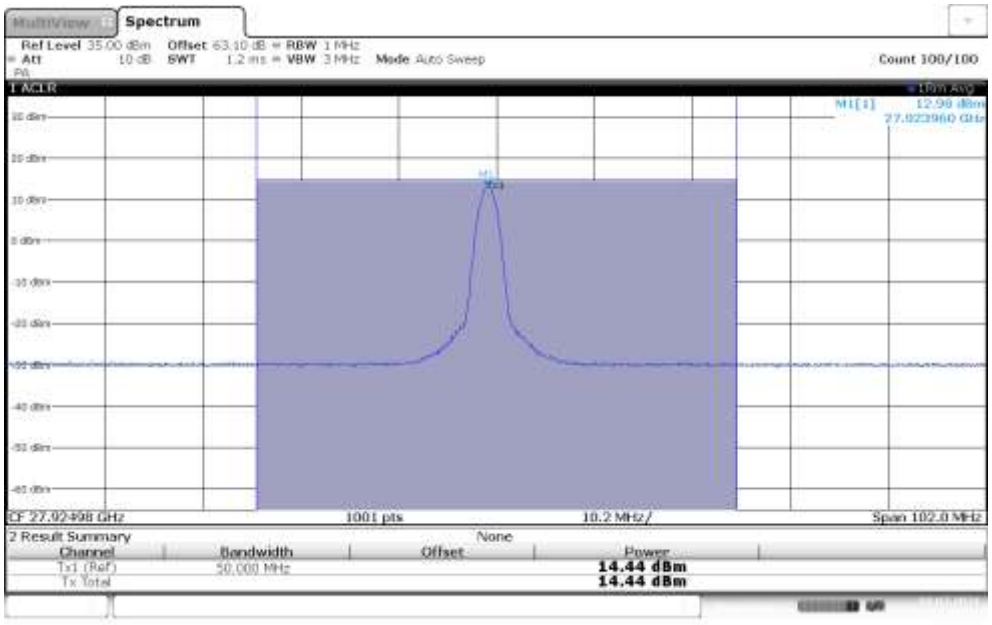
n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	28324.92	12.58	/	/

n261, Module0, 50MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK



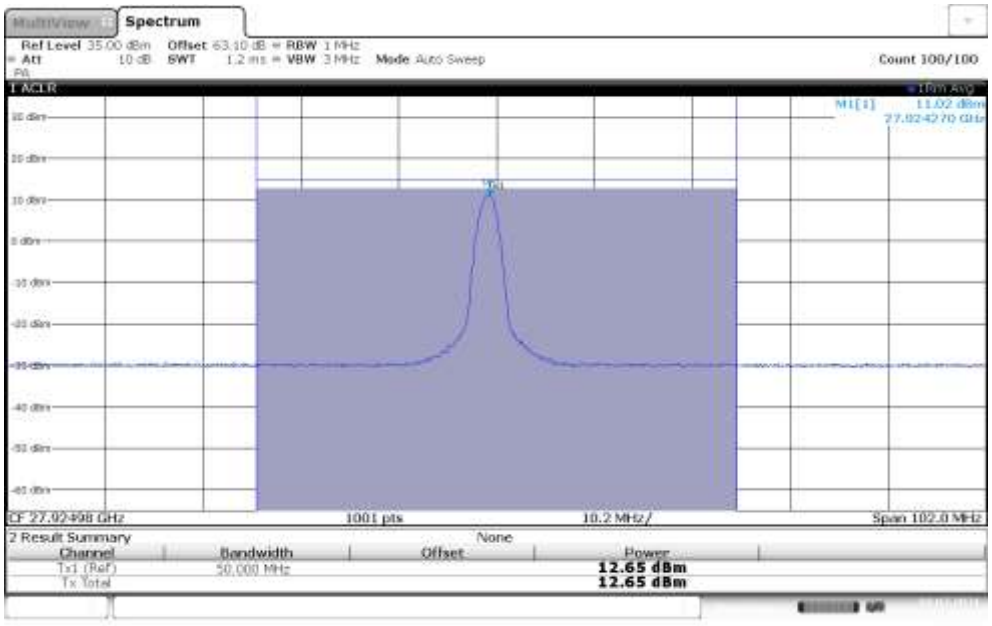
n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	27924.96	14.44	12.65	11.90

n261, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, QPSK



10:56:02 04.07.2021

n261, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, 16QAM



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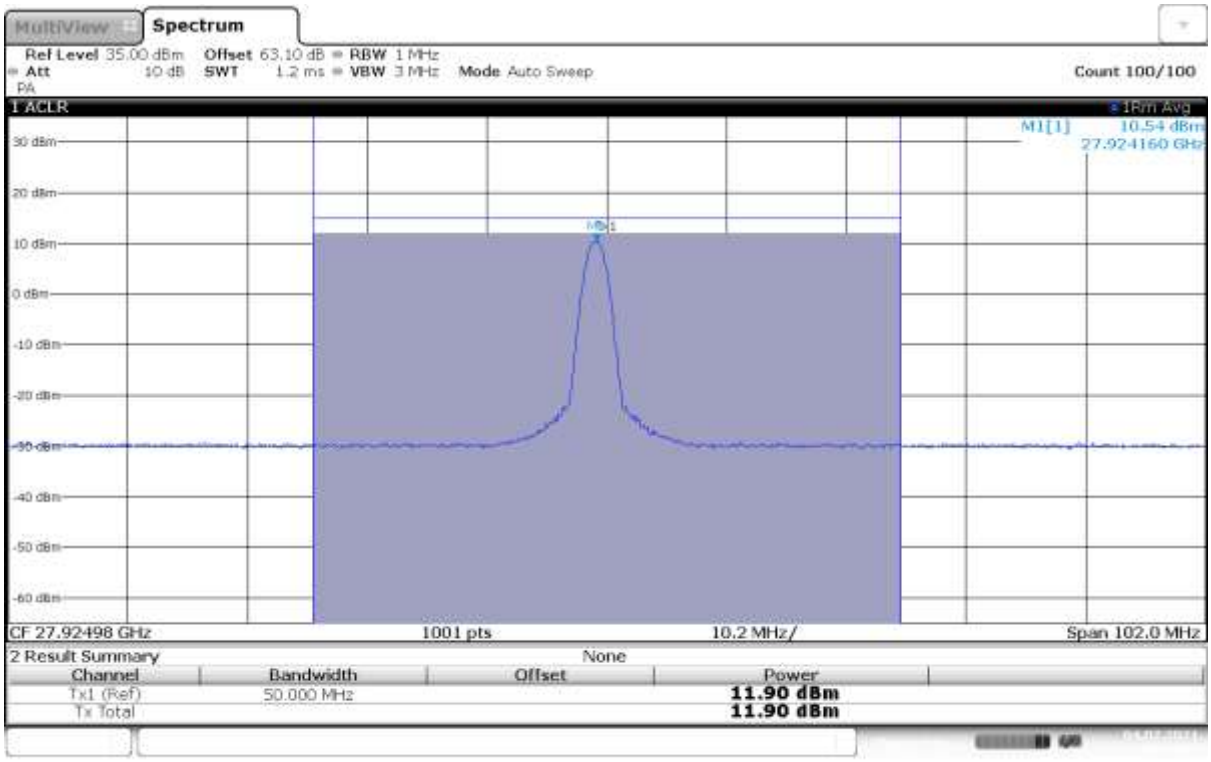
n261, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, 64QAM



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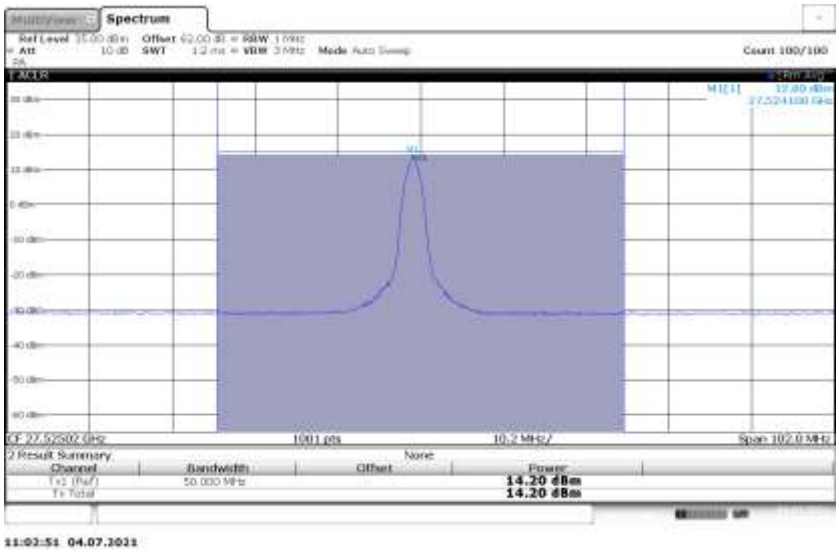
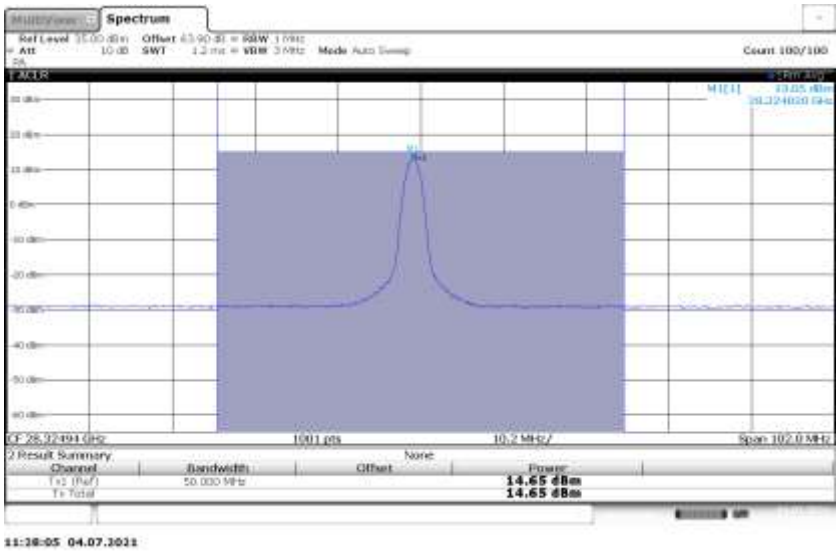
n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	27525	14.20	/	/

n261, Module0, 50MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



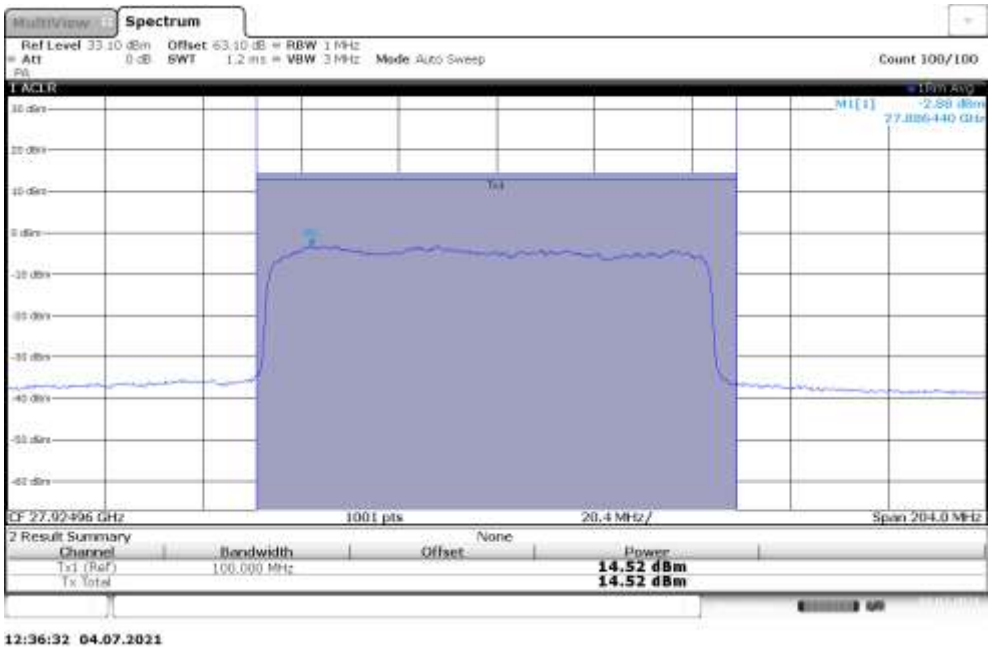
n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	28324.92	14.65	/	/

n261, Module0, 50MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	27924.96	14.52	12.74	10.68

n261, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



12:36:32 04.07.2021

n261, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, 16QAM

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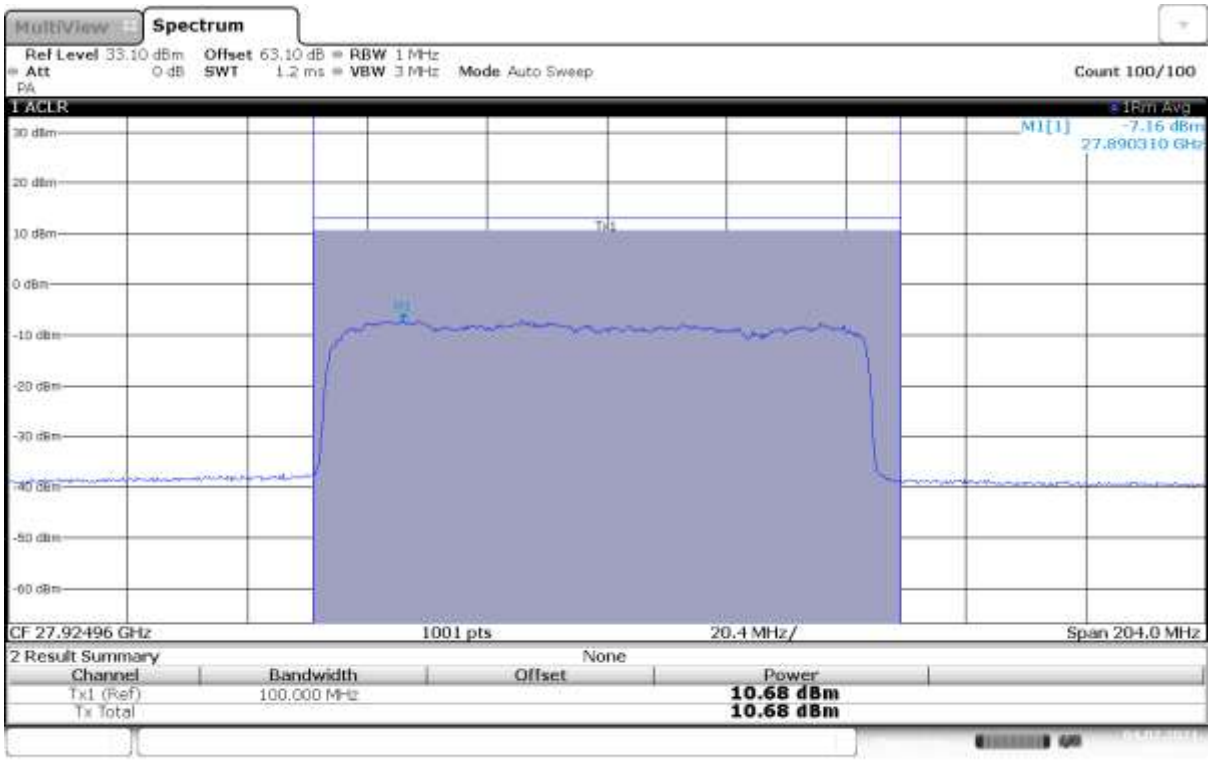
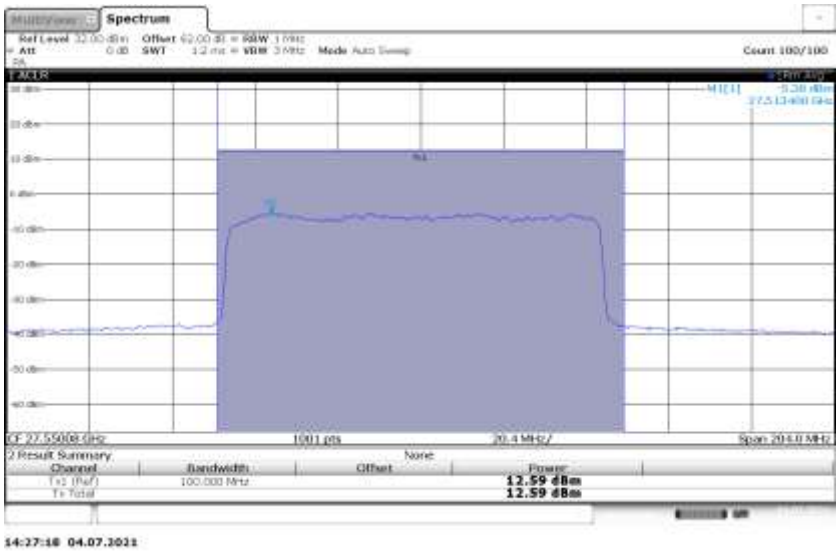
n261, Module0, 100MHz Bandwidth, 100% RB, MID CHANNEL, 64QAM



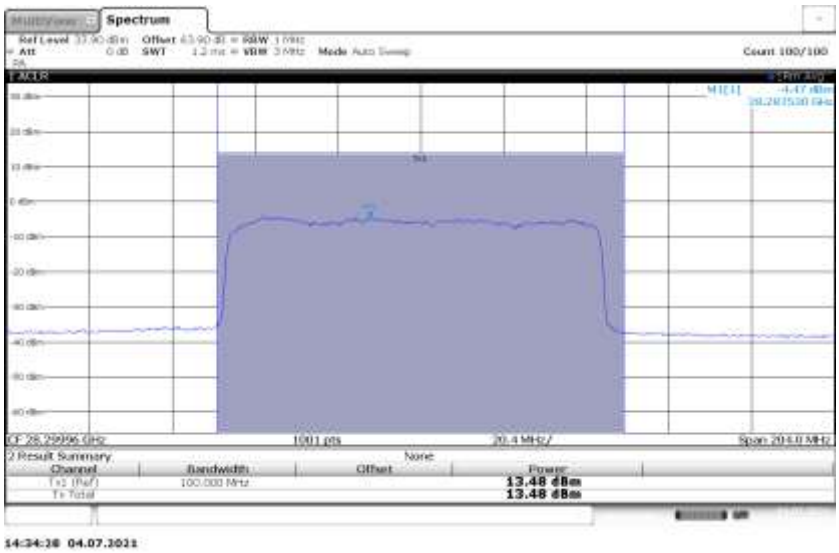
n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	27550.08	12.59	/	/

n261, Module0, 100MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



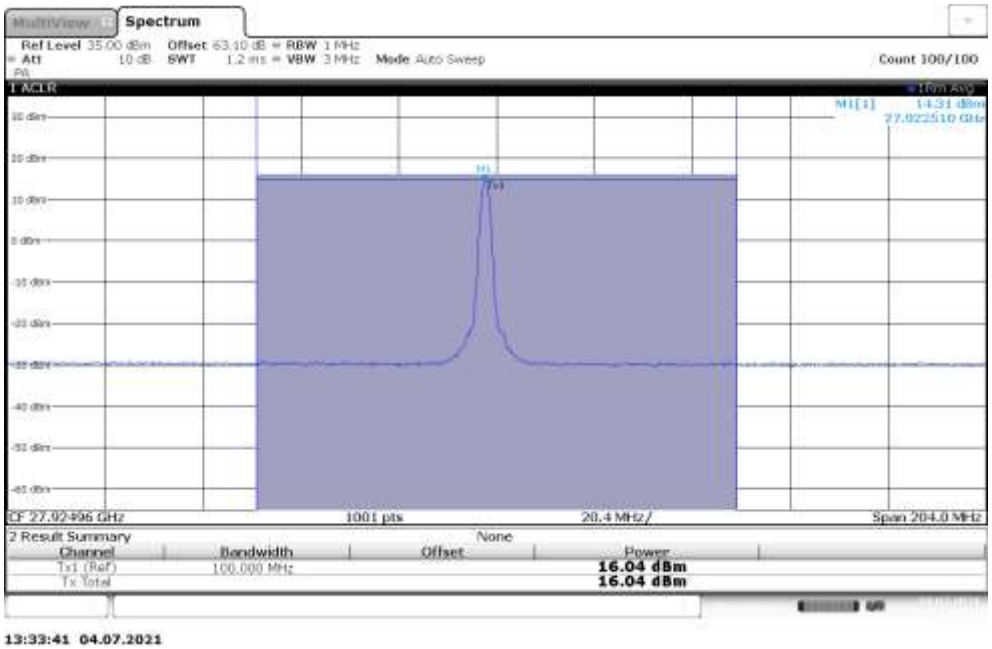
n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	28299.96	13.48	/	/

n261, Module0, 100MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK



n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	27924.96	16.04	14.95	11.66

n261, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, QPSK



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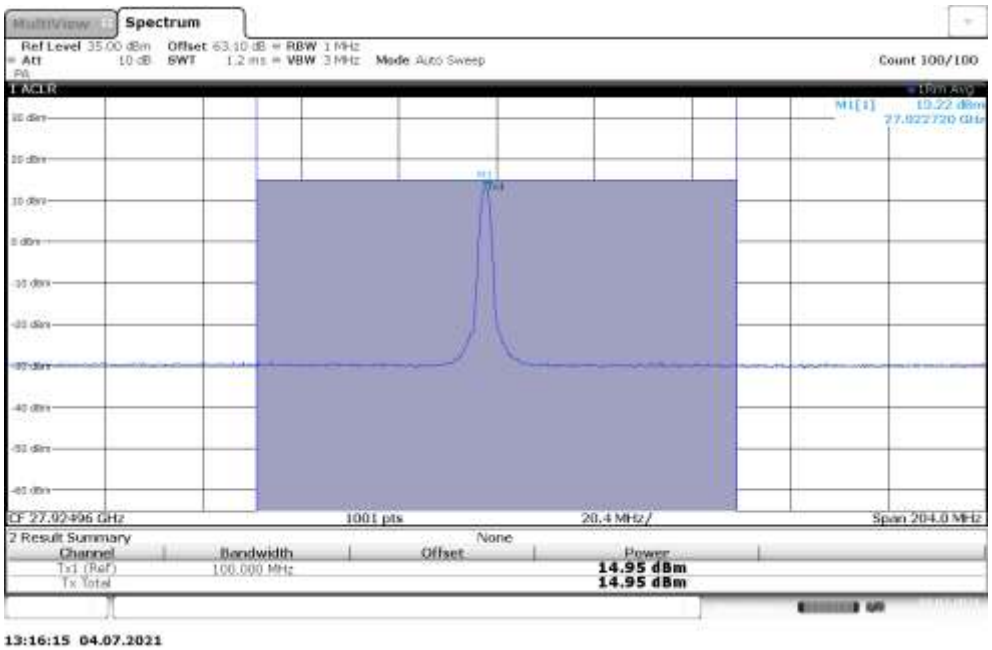
n261, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, 16QAM



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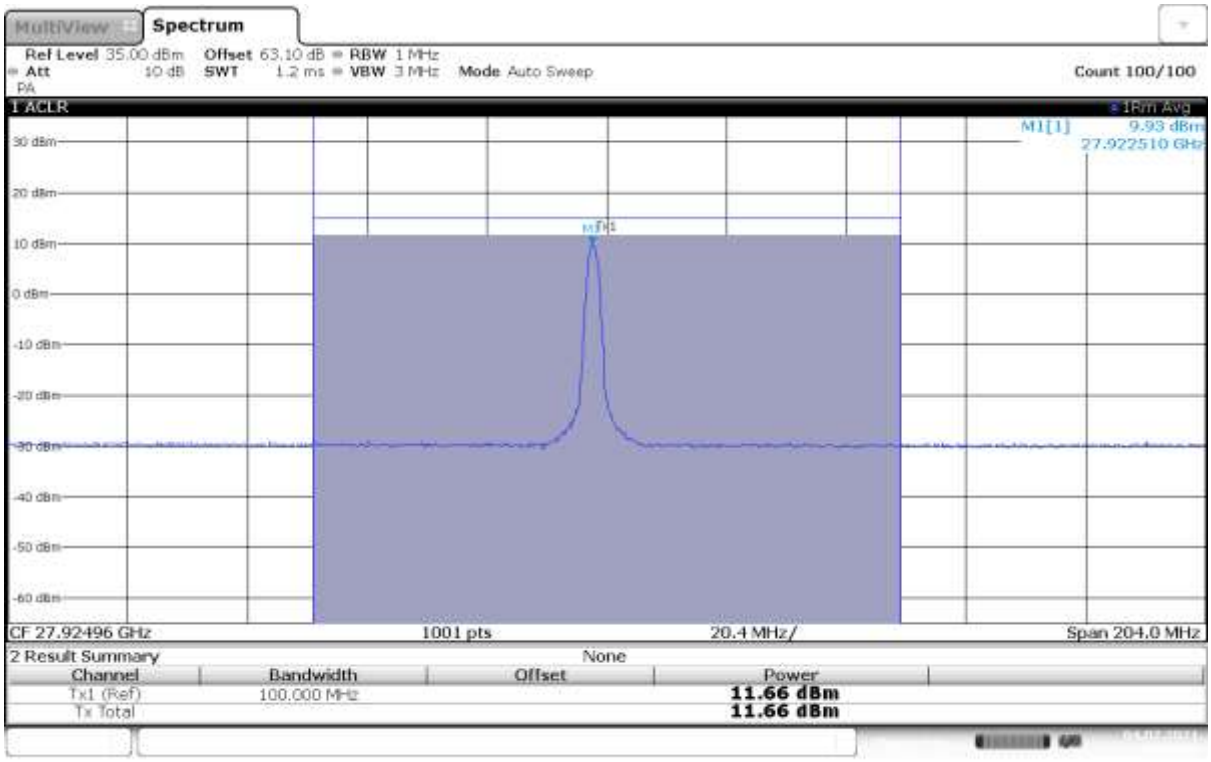
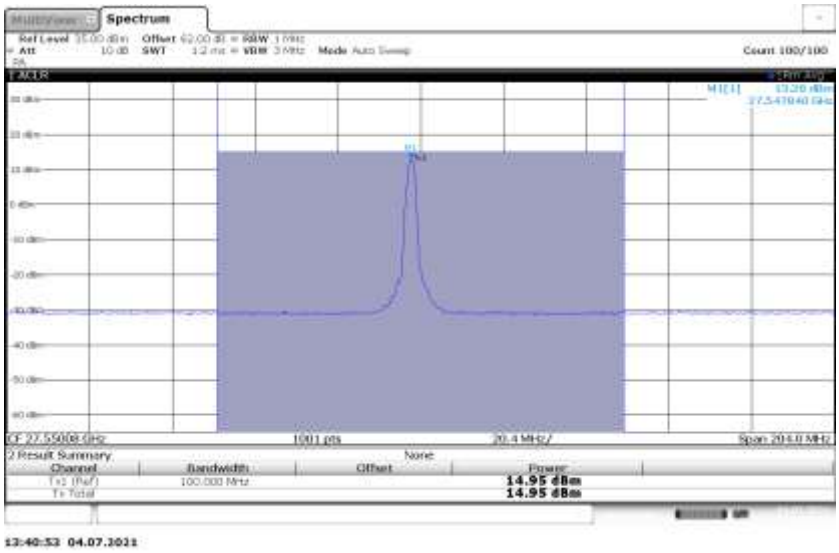
n261, Module0, 100MHz Bandwidth, 1RB, MID CHANNEL, 64QAM



12:58:51 04.07.2021

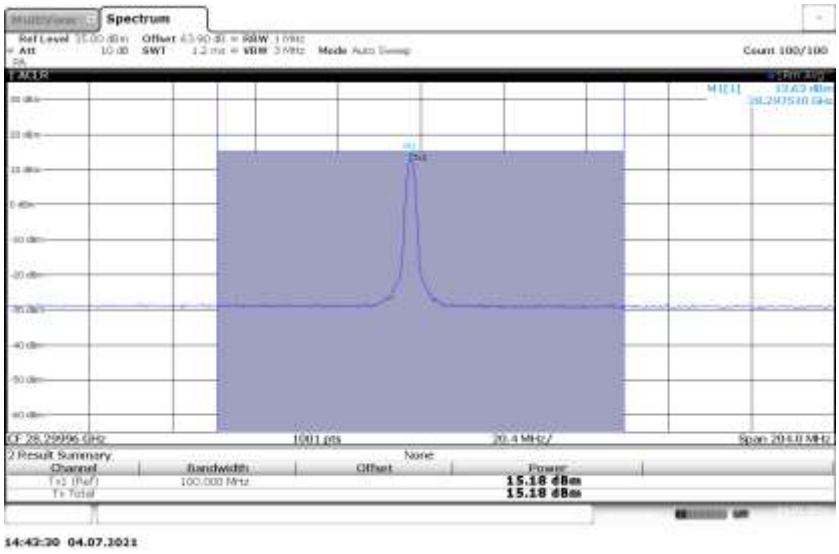
n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	27550.08	14.95	/	/

n261, Module0, 100MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



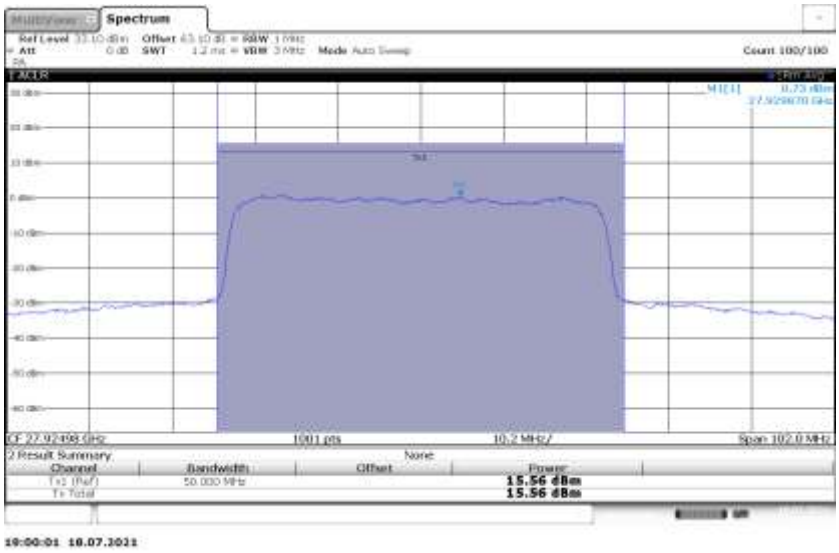
n261, Module0, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	28299.96	15.18	/	/

n261, Module0, 100MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



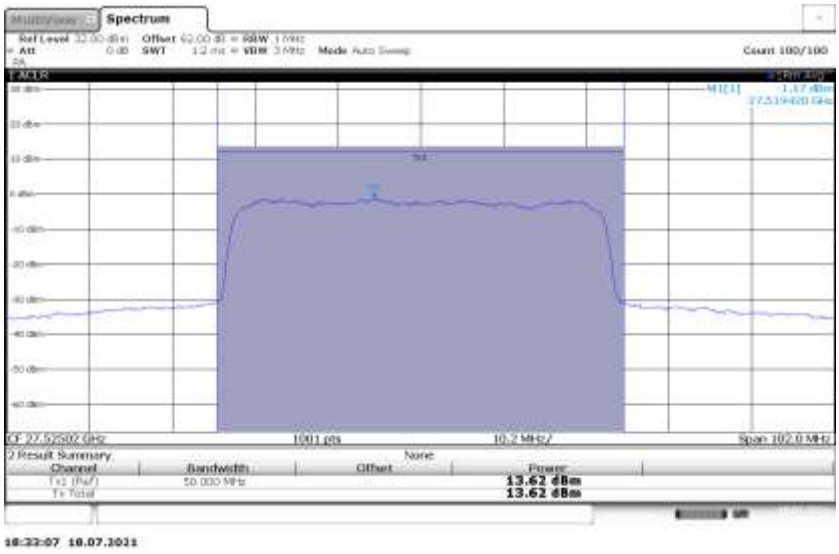
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	27924.96	15.56	/	/

n261, Module1, 50MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



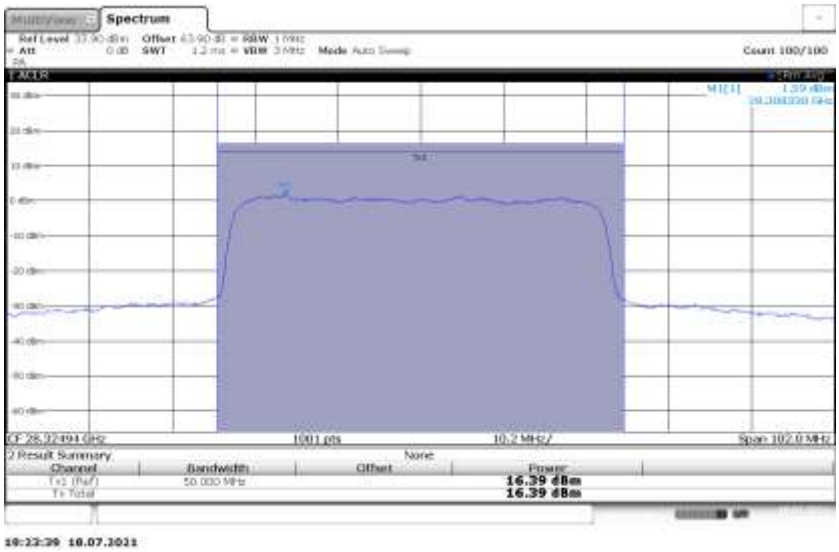
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	27525	13.62	/	/

n261, Module1, 50MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



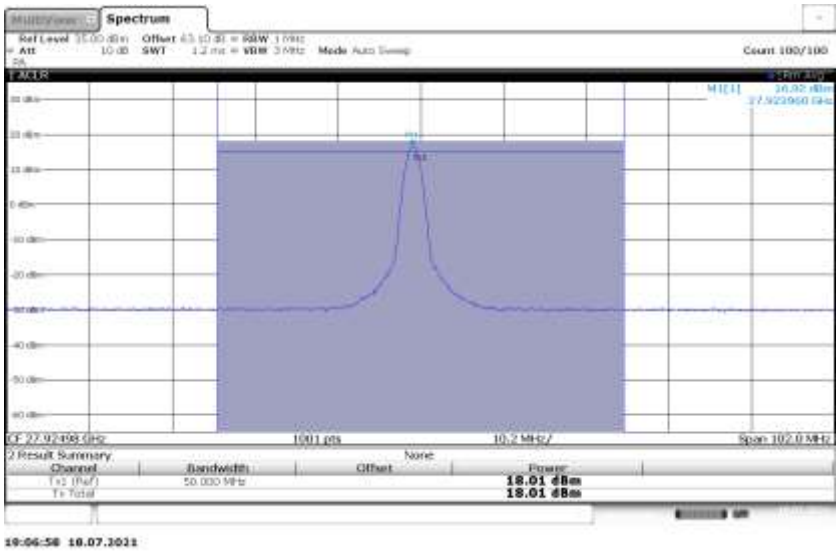
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	100% RB	28324.92	16.39	/	/

n261, Module1, 50MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK



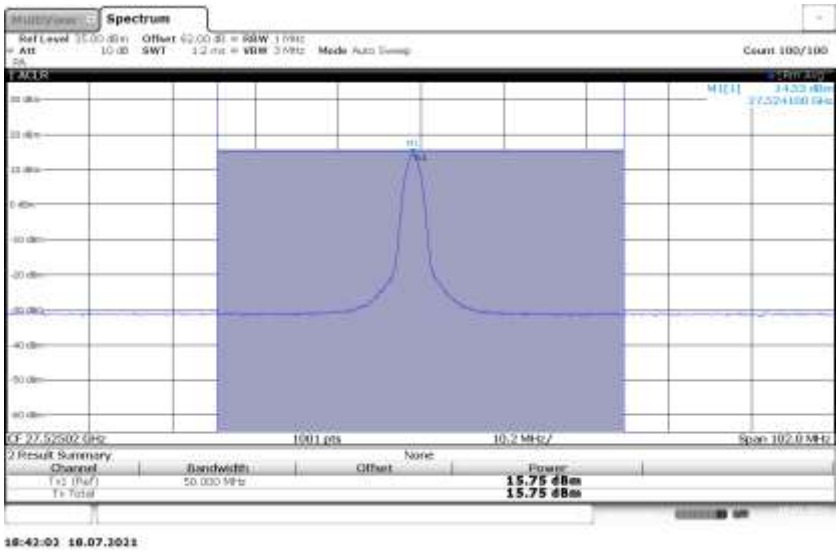
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	27924.96	18.01	/	/

n261, Module1, 50MHz Bandwidth, 1RB, MID CHANNEL, QPSK



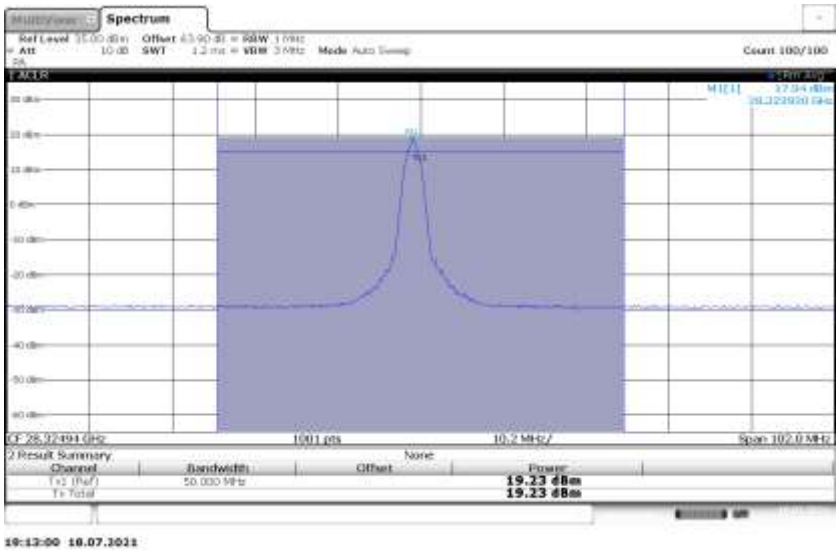
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	27525	15.75	/	/

n261, Module1, 50MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



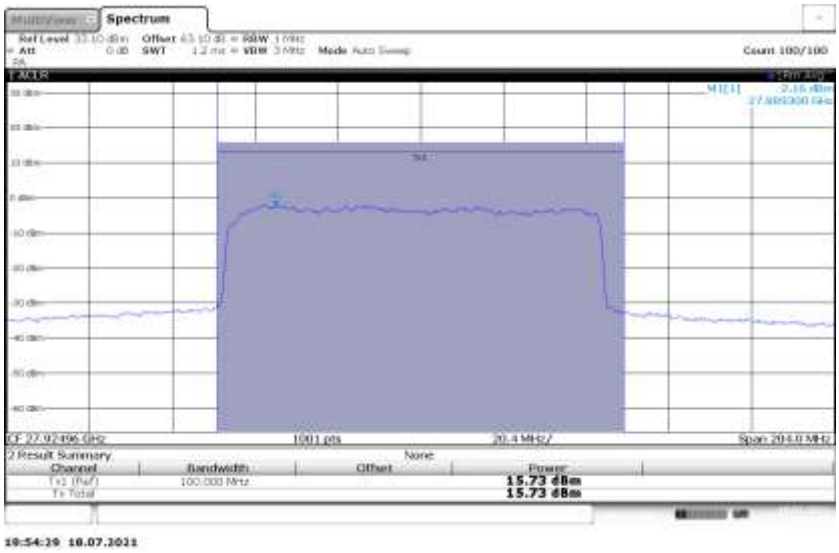
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
50MHz	1 RB	28324.92	19.23	/	/

n261, Module1, 50MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



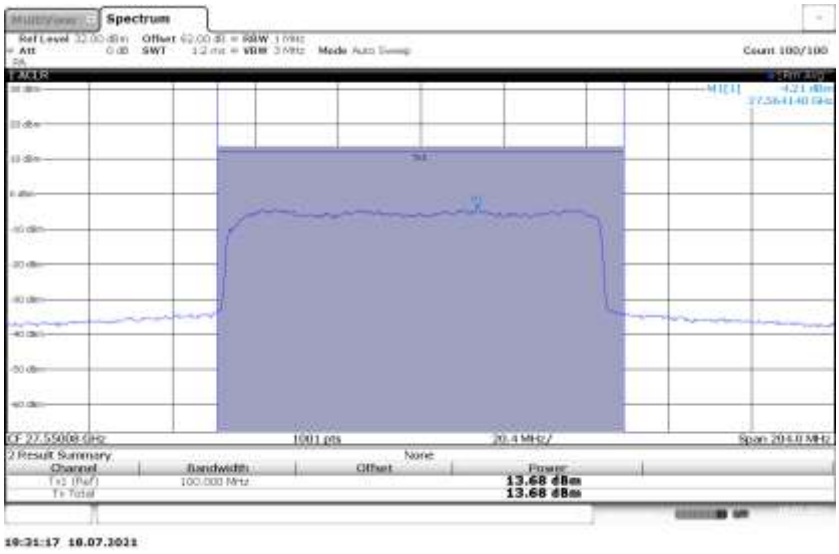
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	27924.96	15.73	/	/

n261, Module1, 100MHz Bandwidth, 100% RB, MID CHANNEL, QPSK



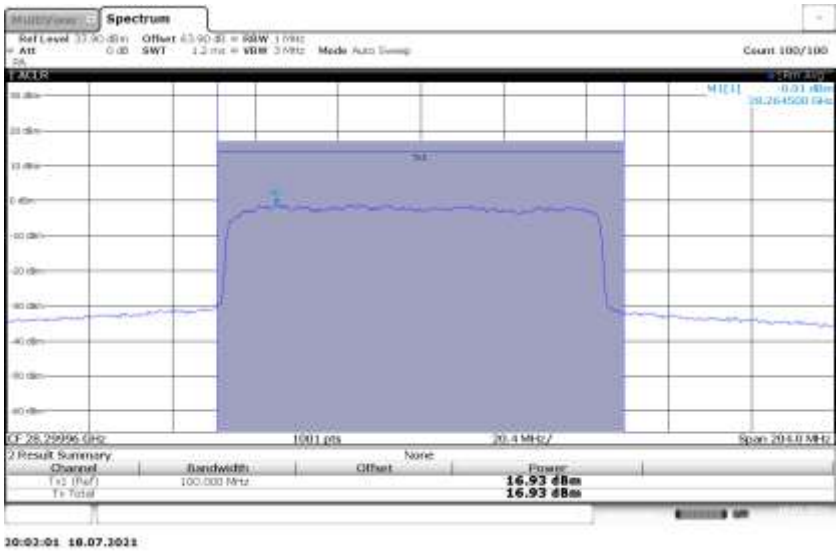
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	27550.08	13.68	/	/

n261, Module1, 100MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



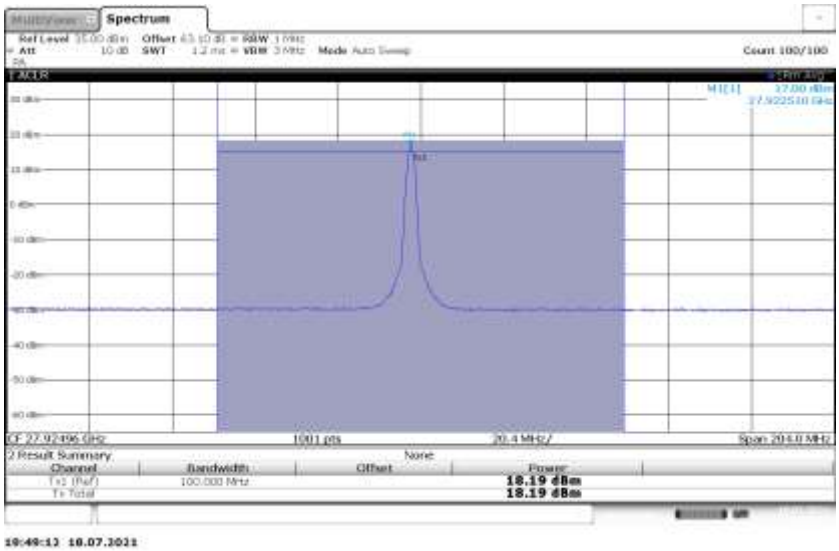
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	100% RB	28299.96	16.93	/	/

n261, Module1, 100MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK



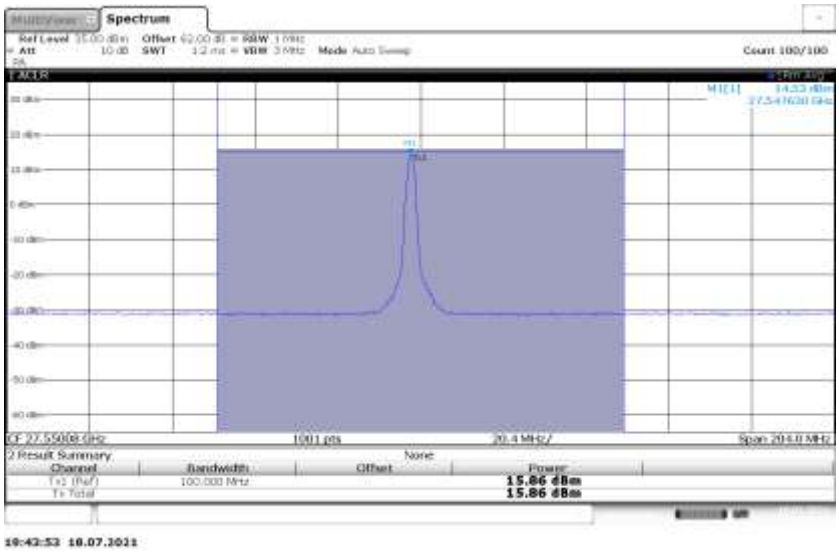
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	27924.96	18.19	/	/

n261, Module1, 100MHz Bandwidth, 1RB, MID CHANNEL, QPSK



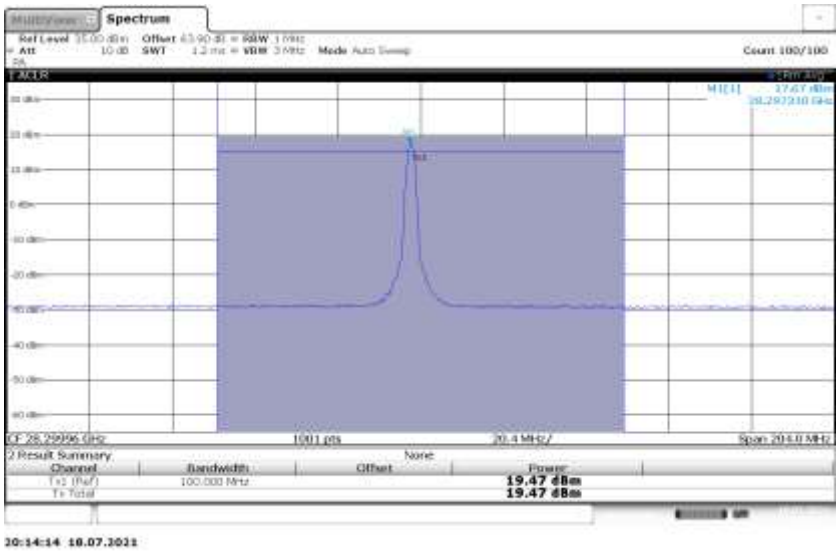
n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	27550.08	15.86	/	/

n261, Module1, 100MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



n261, Module1, SCS=120kHz, PUSCH DFT					
Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)		
			QPSK	16QAM	64QAM
100MHz	1 RB	28299.96	**19.47**	/	/

n261, Module1, 100MHz Bandwidth, 1 RB, HIGH CHANNEL, QPSK



A.2 Emission Limit

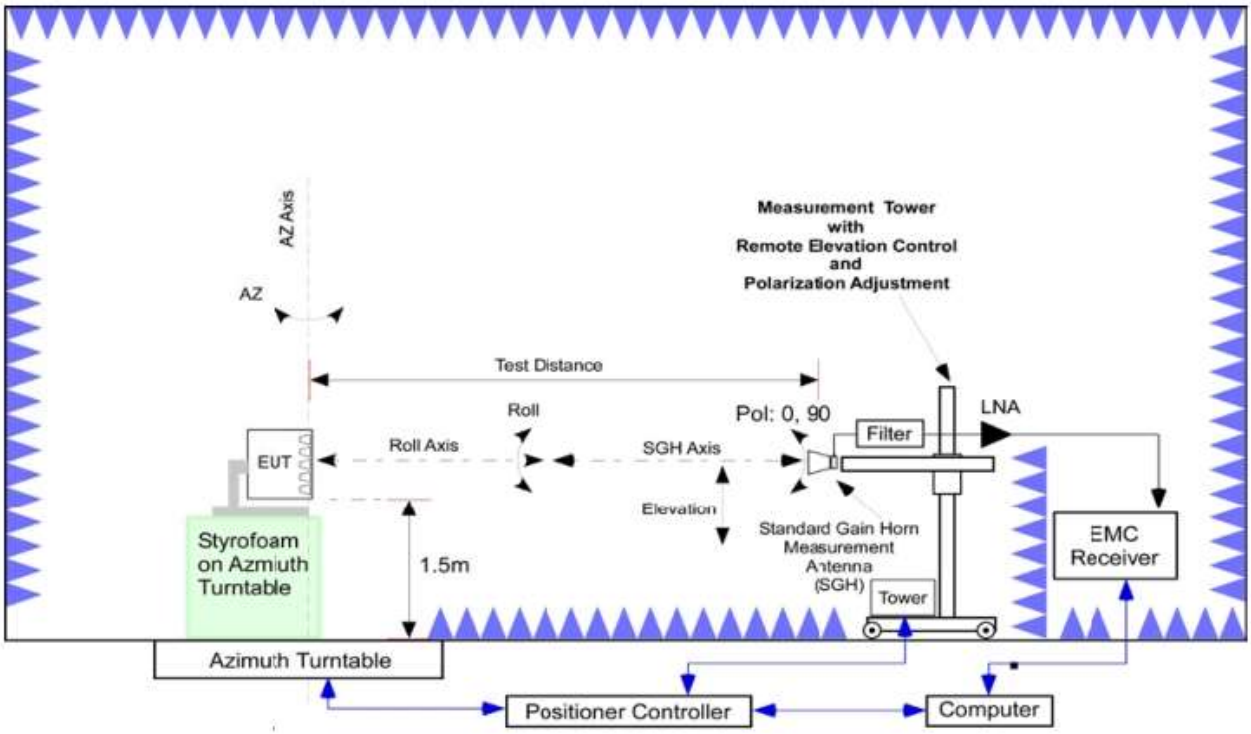
A.2.1 Minimum Measurement Distance Evaluation

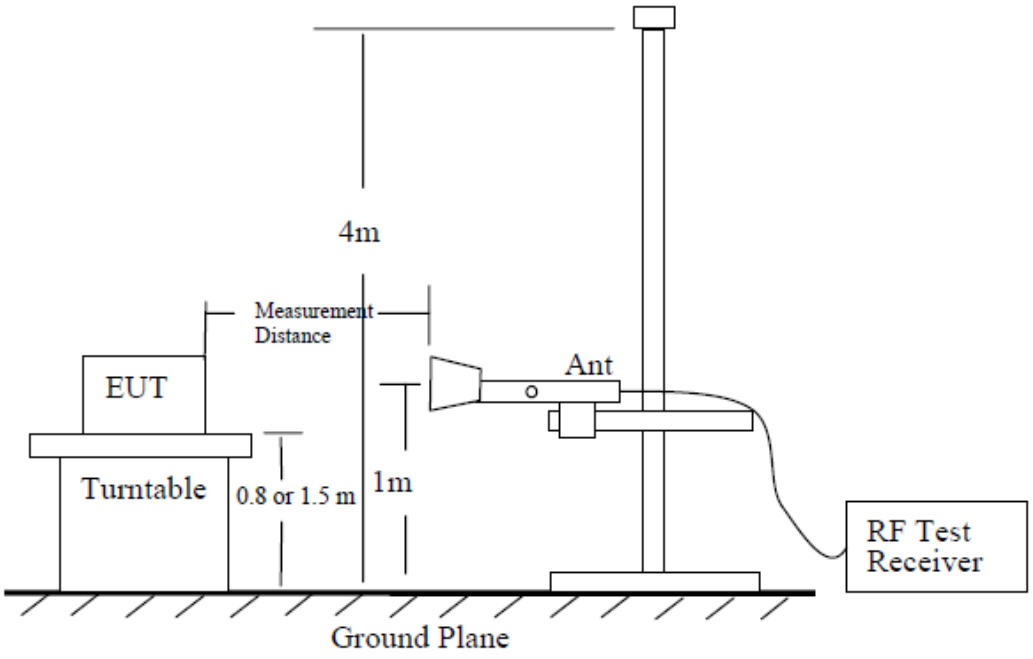
According to KDB842590 D01, the measurements of the fundamental emission, out of band, harmonics and spurious emissions shall be made in the far field of the measurement antenna. The far-field boundary for mmW antennas is greater than or equal to $2D^2/\lambda$ (with D being the largest dimension of the antenna, and λ the wavelength of the emission). We calculate the far-field boundary and the test distance meet the requirement of standard.

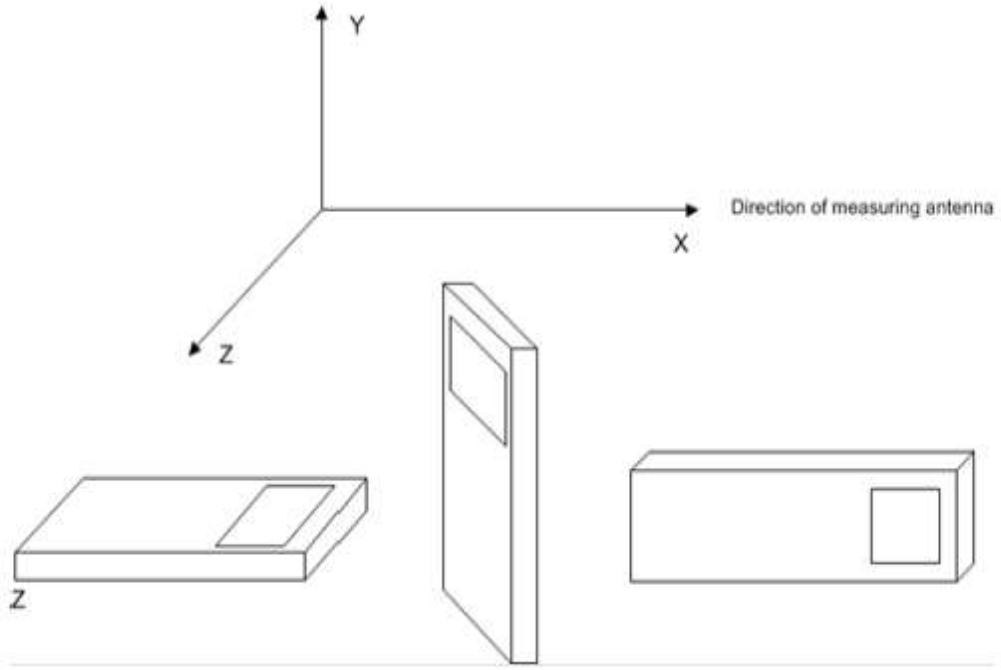
A.2.2 Measurement Method

The measurement procedures in ANSI C63.26 are used.
The spectrum was scanned from 30 MHz to the 5th harmonic of the highest frequency generated within the equipment. The resolution bandwidth is set as outlined in Part 30.203.
The spectrum is scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of FR2 n260 and FR2 n261.
NASI C63.26 chapter 5.5.2.1: Such radiated measurements shall use substitution methods unless a test site validated to ANSI C63.4 requirements is utilized, in which case, radiated fundamental and/or unwanted emissions can be measured using the direct radiated field strength method.

The procedure of radiated spurious emissions is as follows:
Using the test configuration as follow, measure the radiated emissions directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits.







The emission characteristics of the EUT can be identified from the pre-scan measurement information.

Exploratory radiated measurements (pre-scans) may be performed to determine the general EUT radiated emissions characteristics and, when necessary, the EUT-to-measurement antenna orientation that produces the maximum emission amplitude. Pre-scans shall only be used to determine the emission frequencies (i.e., not amplitude levels). The information garnered from a pre-scan can then be used to perform final compliance measurements using either the substitution or direct field strength method.

For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80 cm above the reference ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25 cm.

The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic were measured with peak detector.

For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table or support at a nominal height of 1.5 m above the ground plane. When maximizing the emissions from the EUT for measurement, the EUT and its transmitting antenna(s) shall be rotated through 360°. For each mode of operation to be tested, the frequency spectrum (based on findings from exploratory measurements) shall be monitored.

Final measurements shall be performed for the worst case combination(s) of variable technical parameters that result in the maximum measured emission amplitude, record the frequency and amplitude of the highest fundamental emission (if applicable), and the frequency and amplitude

data for the six highest-amplitude spurious emissions.

Test Setting:
Detector=RMS
Trace mode=trace average
Sweep time= auto couple
Number of sweep points ≥2*span/RBW
The trace was allowed to stabilize
RBW=1MHz, VBW=3MHz

The average EIRP reported below is calculated by:
30M-1GHz:
ERP(dBm)=Spectrum Analyzer Level(dBm)+Total loss(dB)-2.15
1GHz-18GHz：
EIRP(dBm)= Spectrum Analyzer Level(dBm)+Total loss(dB)
18GHz-60GHz:
EIRP(dBm)= Spectrum Analyzer Level(dBm)-Antenna Factor(dBi) + Cable Loss(dB) + 20log(F)+20log(D)-27.56
60GHz-110GHz:
EIRP(dBm)= Spectrum Analyzer Level(dBm)-Antenna Factor(dBi) + converter Loss(dB) + 20log(F)+20log(D)-27.56
Where:
F:frequency (MHz)
D:Distance(m)

Frequency Range	Distance(m)
30MHz-1GHz	3
1GHz-18GHz	3
18GHz-40GHz	3
40GHz-60GHz	3
60GHz-75GHz	3
75GHz-110GHz	3

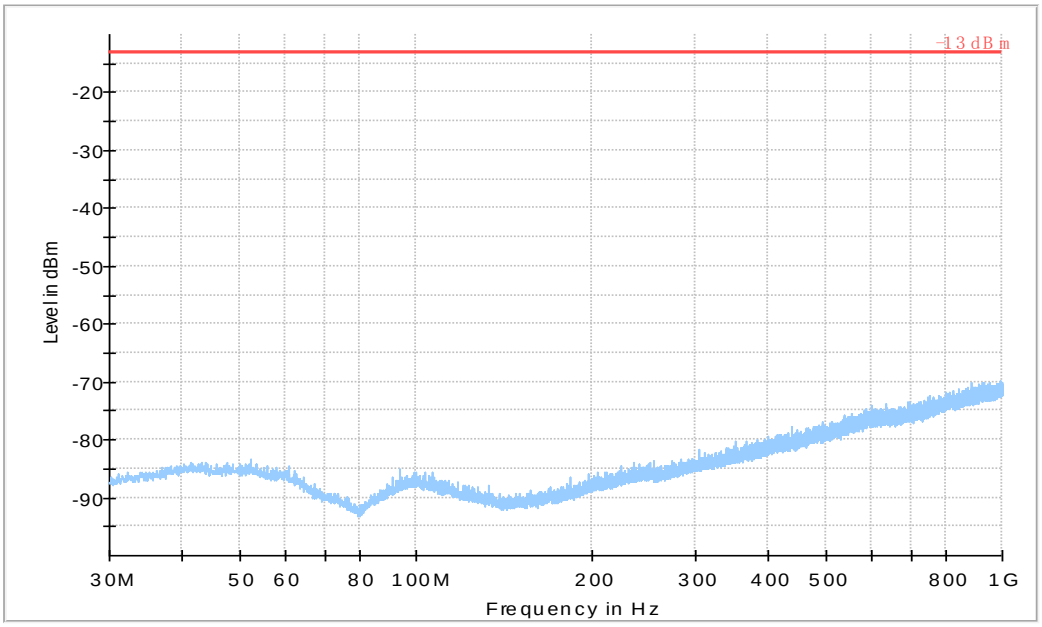
A.2.3 Measurement Limit
Part 30.203 specify that the total radiated power of any emission outside a licensee's frequency block shall be −13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be −5 dBm/MHz or lower.

A.2.4 Measurement Results
Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the FR2 n260 and n261. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the FR2 n260 and n261 into any of the other blocks. The equipment must

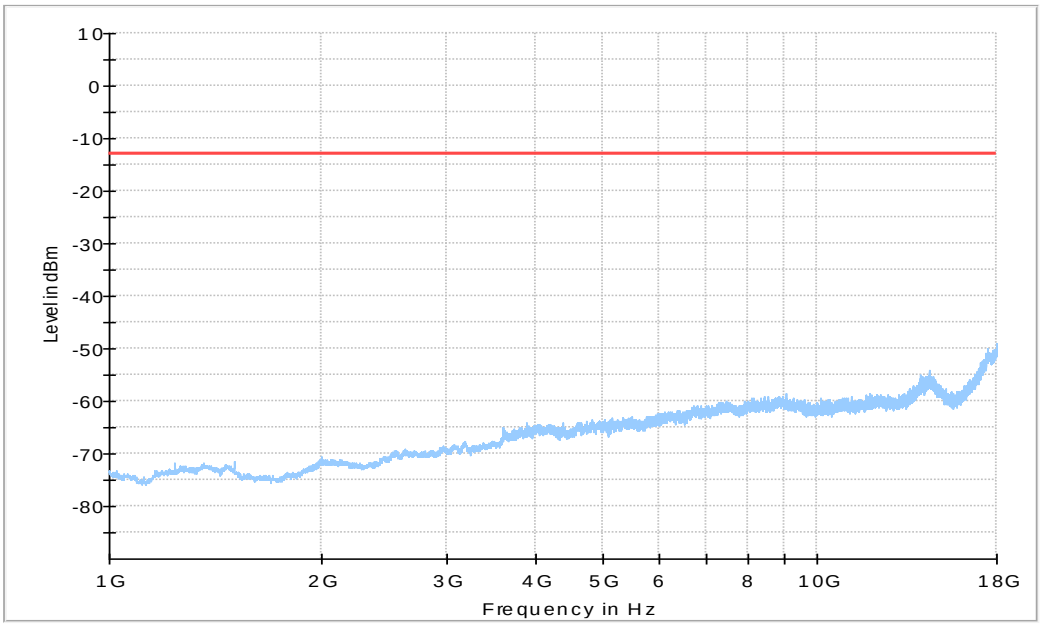
still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this.The evaluated frequency range is from 30MHz to 110GHz for n261 and 30MHz to 100GHz n260.

A.2.4 Measurement Results Table(worst case of all power)

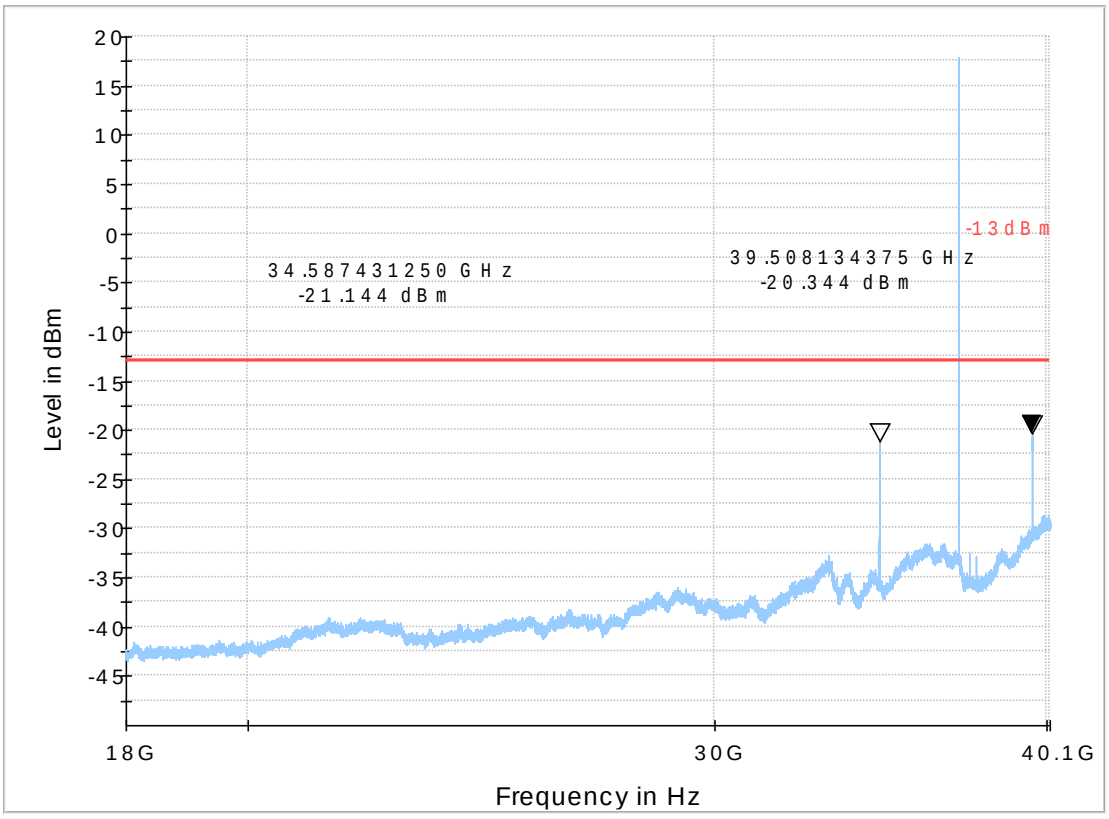
Frequency	Antenna	Modulation	Bandwidth	Channel	Frequency Range	Result
n260	Module0	PUSCH DFT, QPSK	100MHz /1RB	Low	30MHz-110GHz	Pass
				Middle	30MHz-110GHz	Pass
				High	30MHz-110GHz	Pass
n261	Module1	PUSCH DFT, QPSK	100MHz /1RB	Low	30MHz-100GHz	Pass
				Middle	30MHz-100GHz	Pass
				High	30MHz-100GHz	Pass



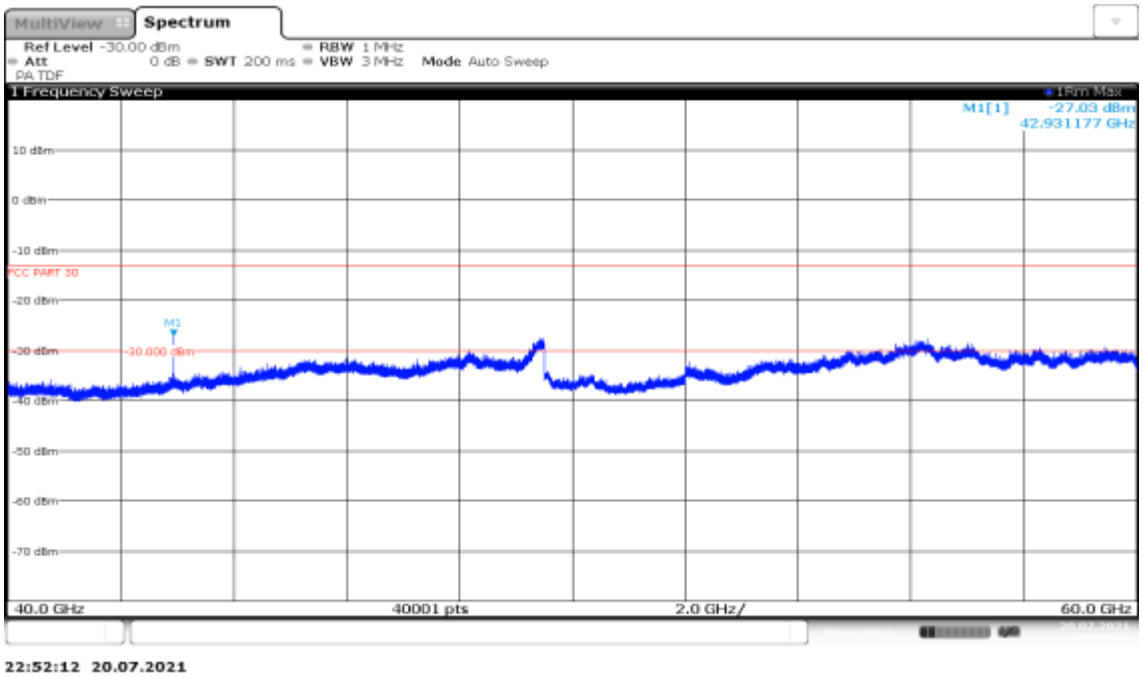
30MHz-1GHz



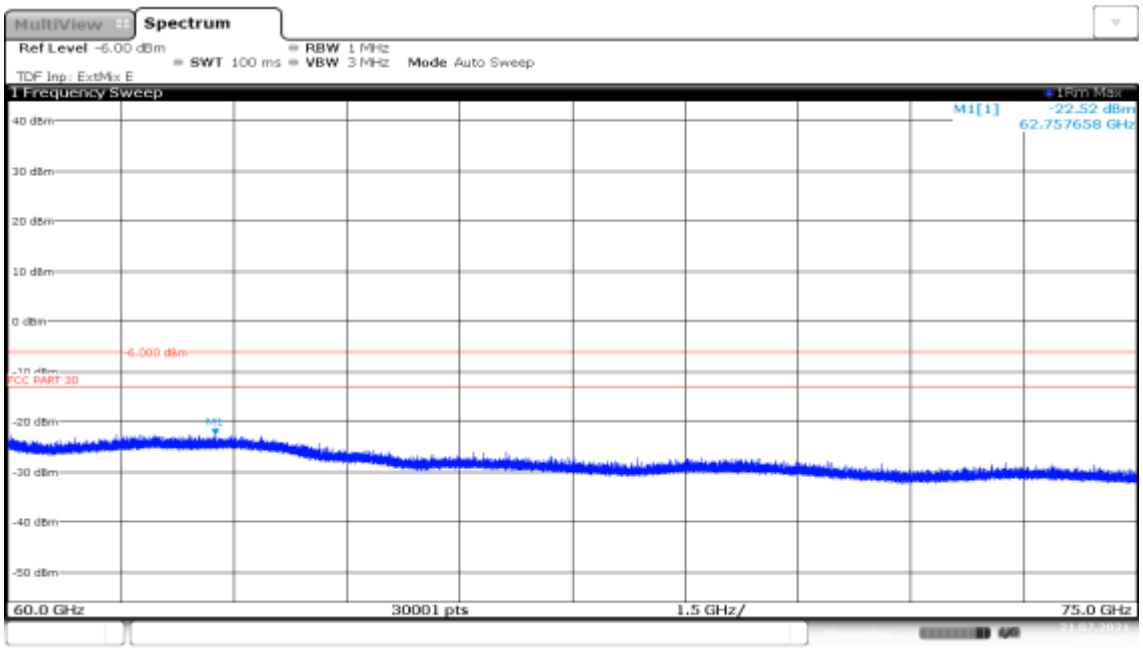
1GHz-18GHz



n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 18GHz-40GHz



n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 40GHz-60GHz



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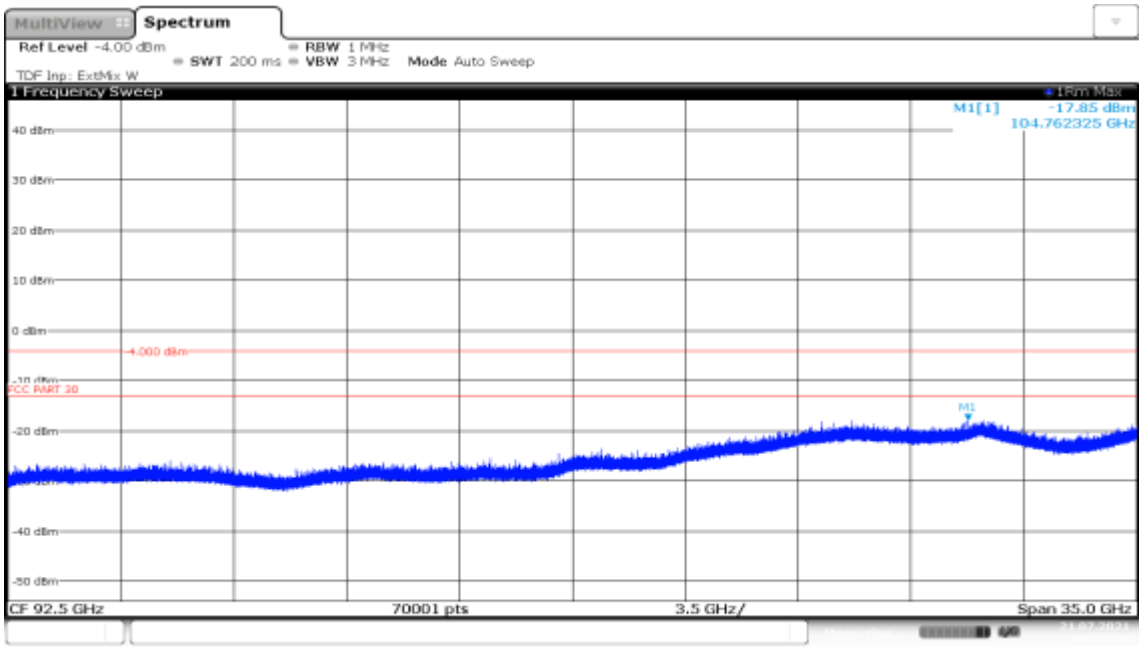
n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 60GHz-75GHz



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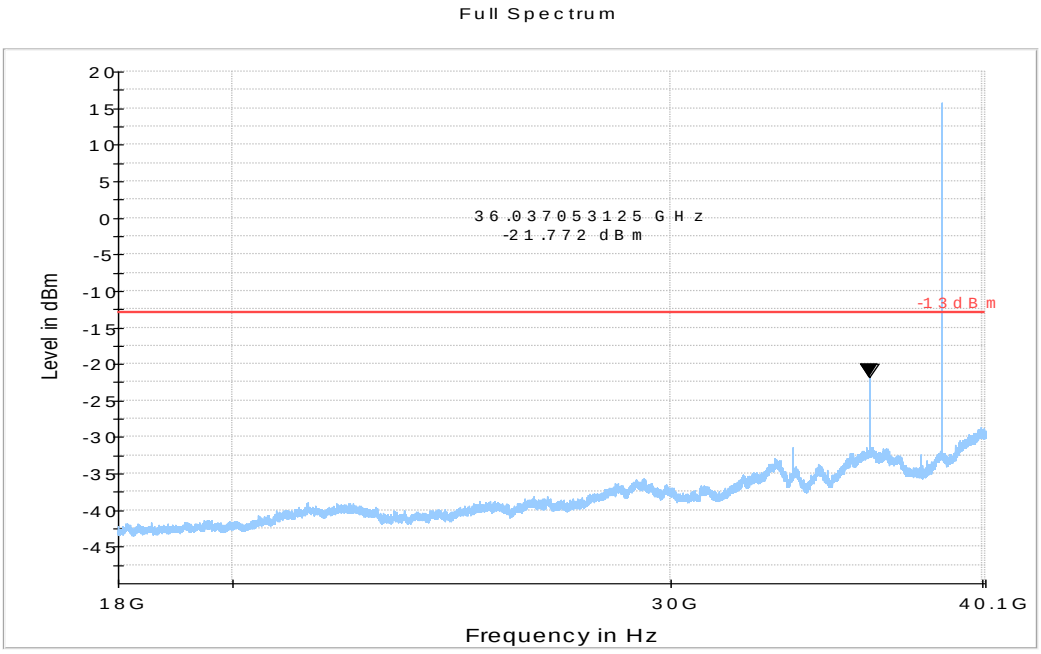
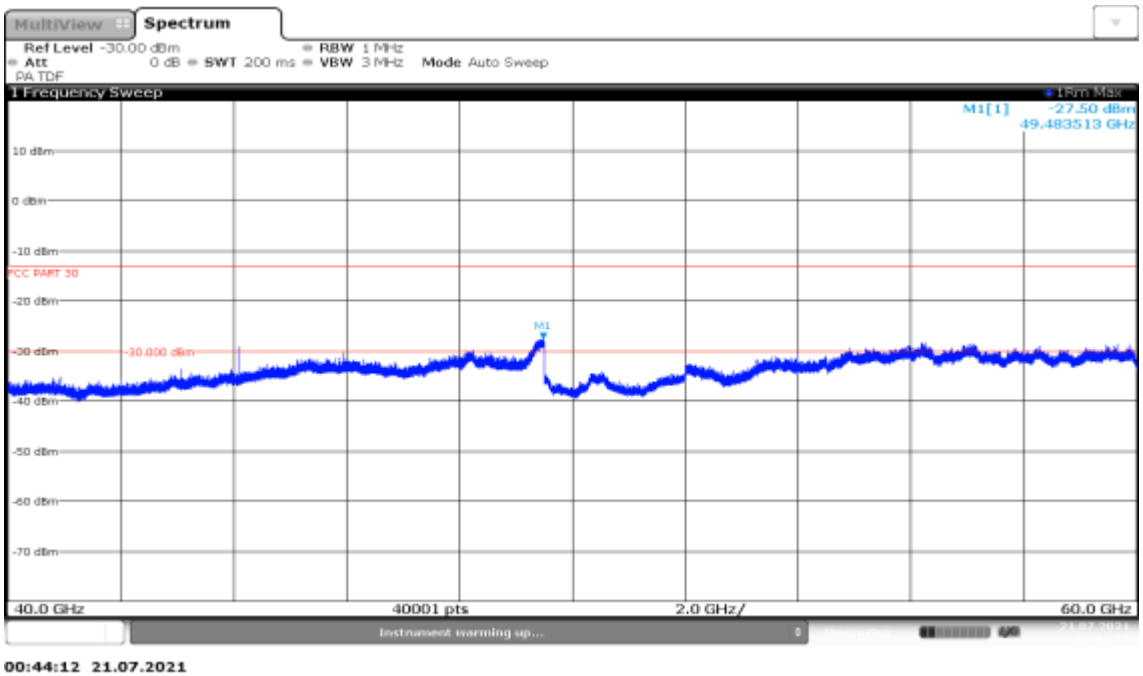
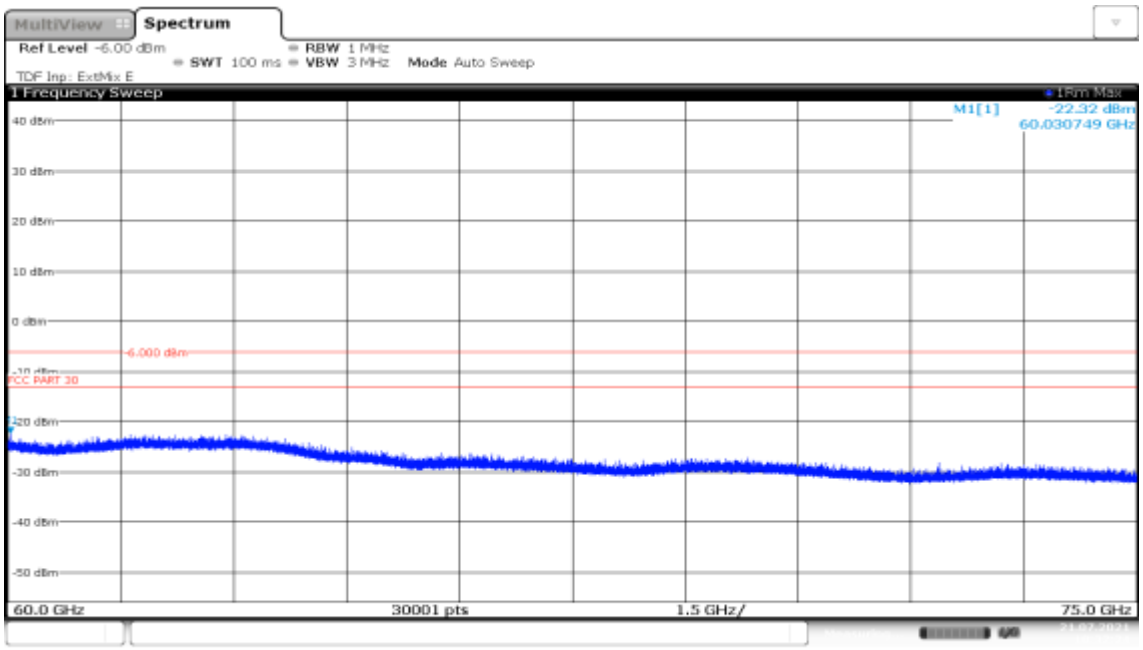
n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 75GHz-110GHz



n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 18GHz-40GHz



n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 40GHz-60GHz



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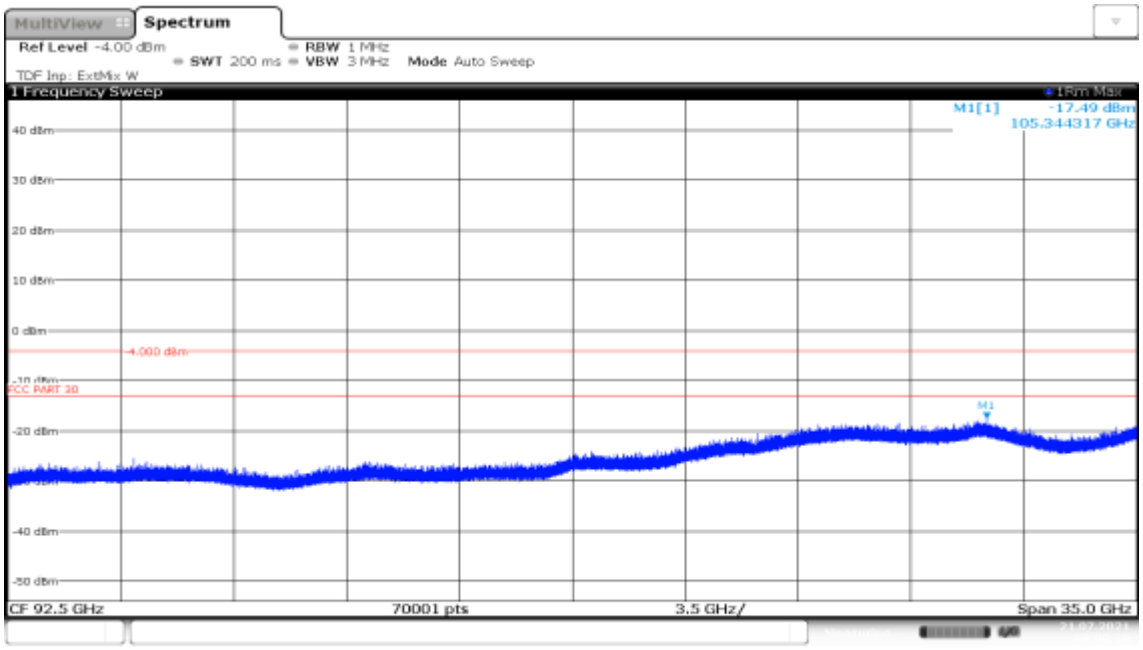
n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 60GHz-75GHz



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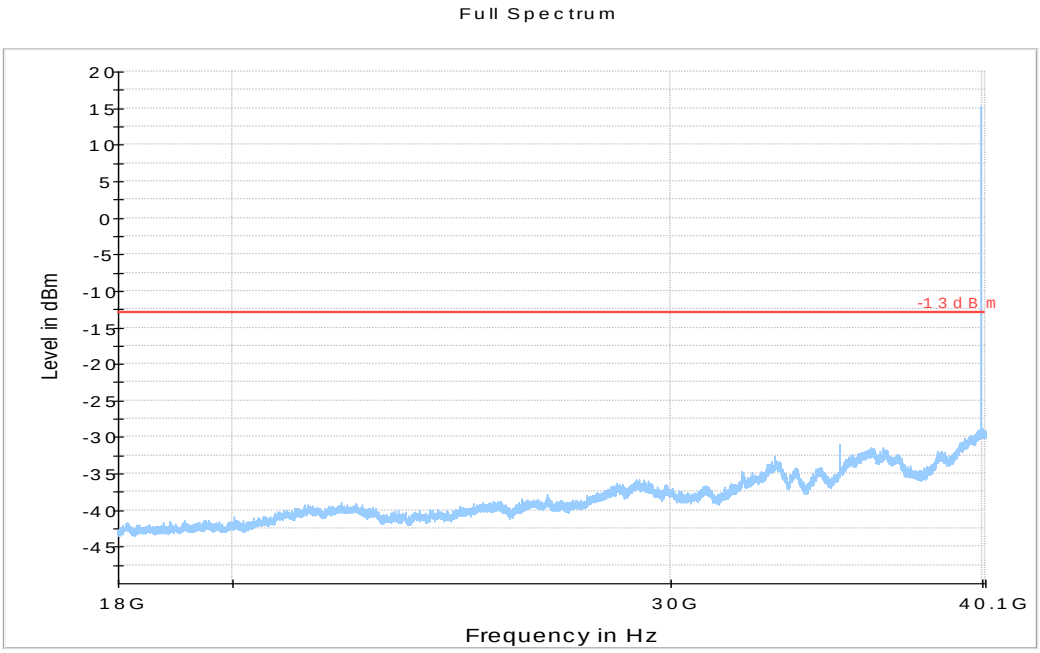
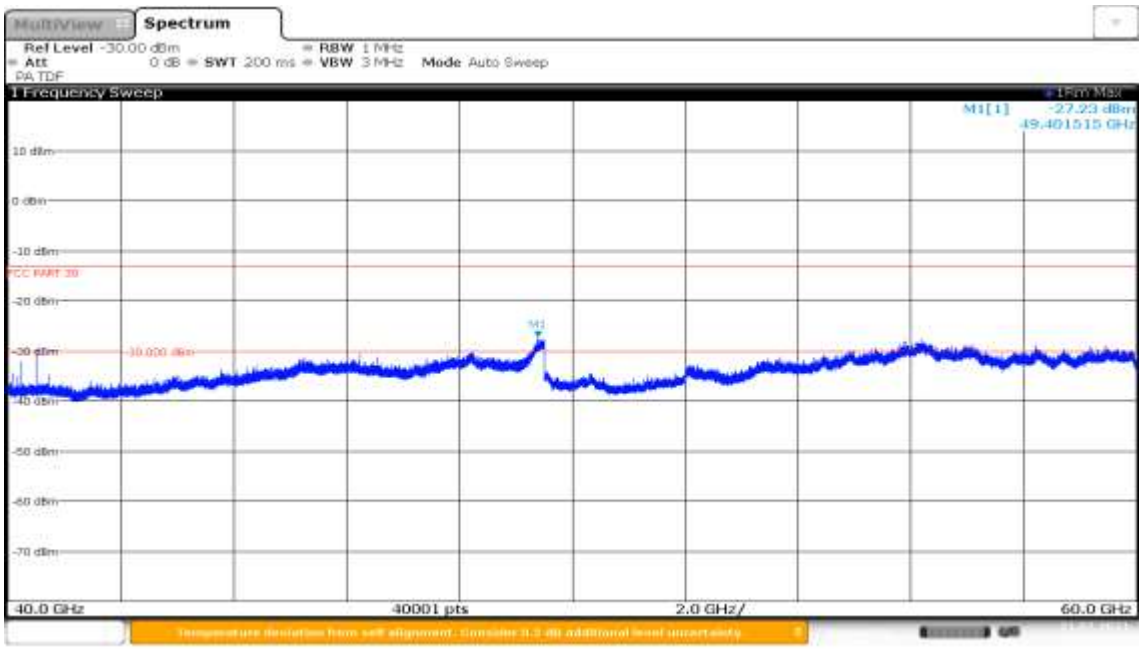
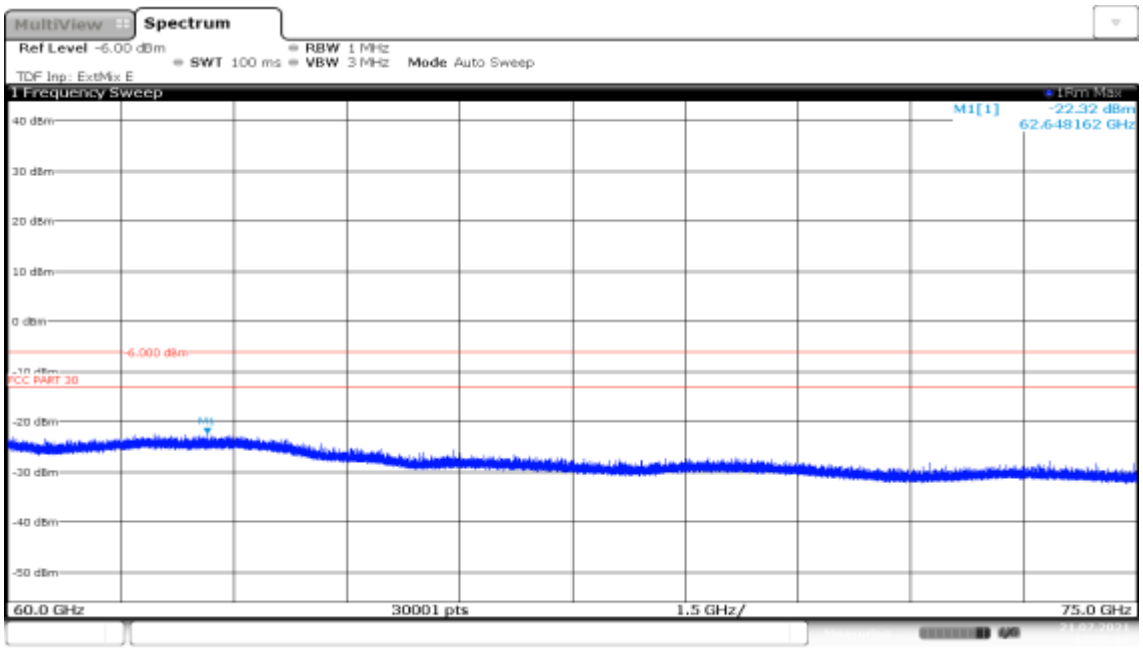
n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 75GHz-110GHz



n260, Module0,100MHz, PUSCH DFT, QPSK, 1RB, High channel, 18GHz-40GHz



n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, High channel, 40GHz-60GHz



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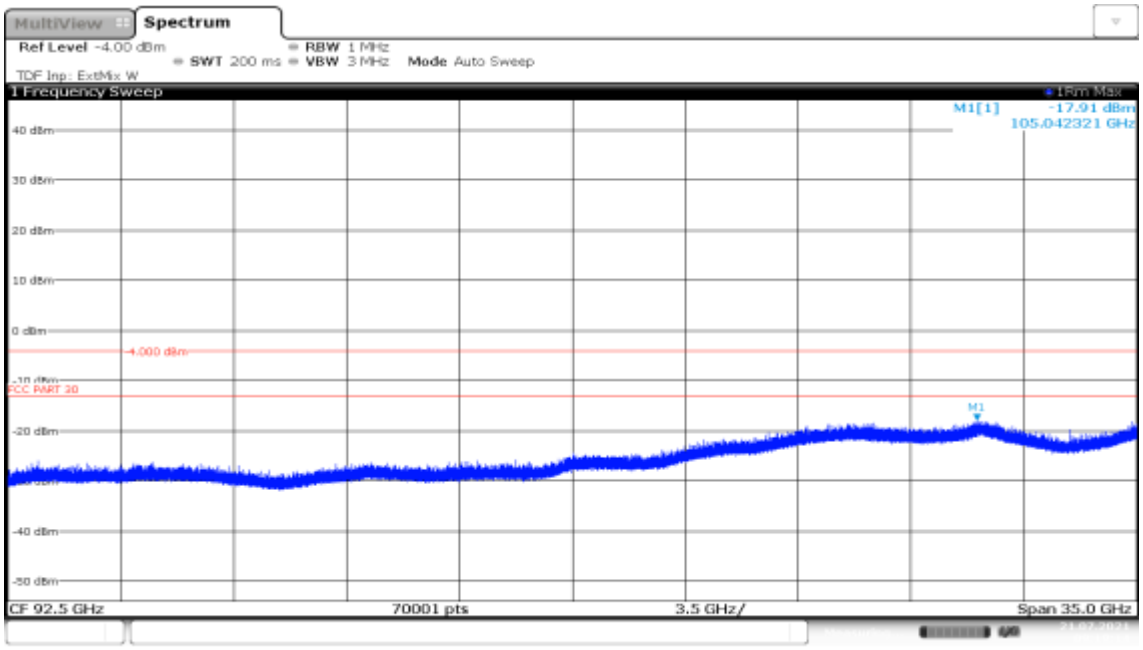
n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, High channel, 60GHz-75GHz



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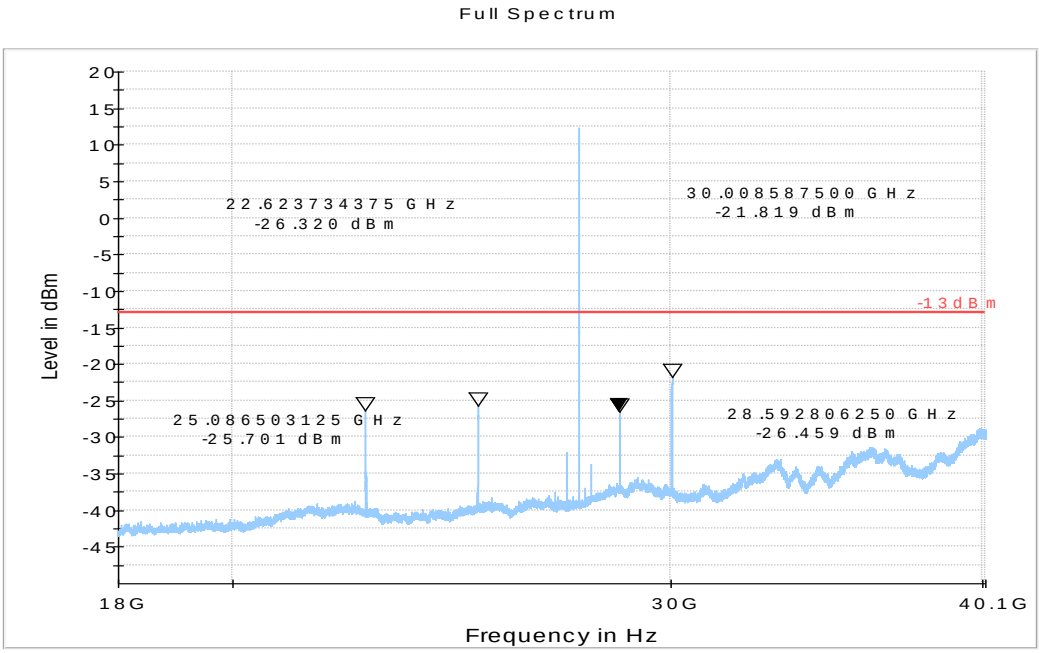
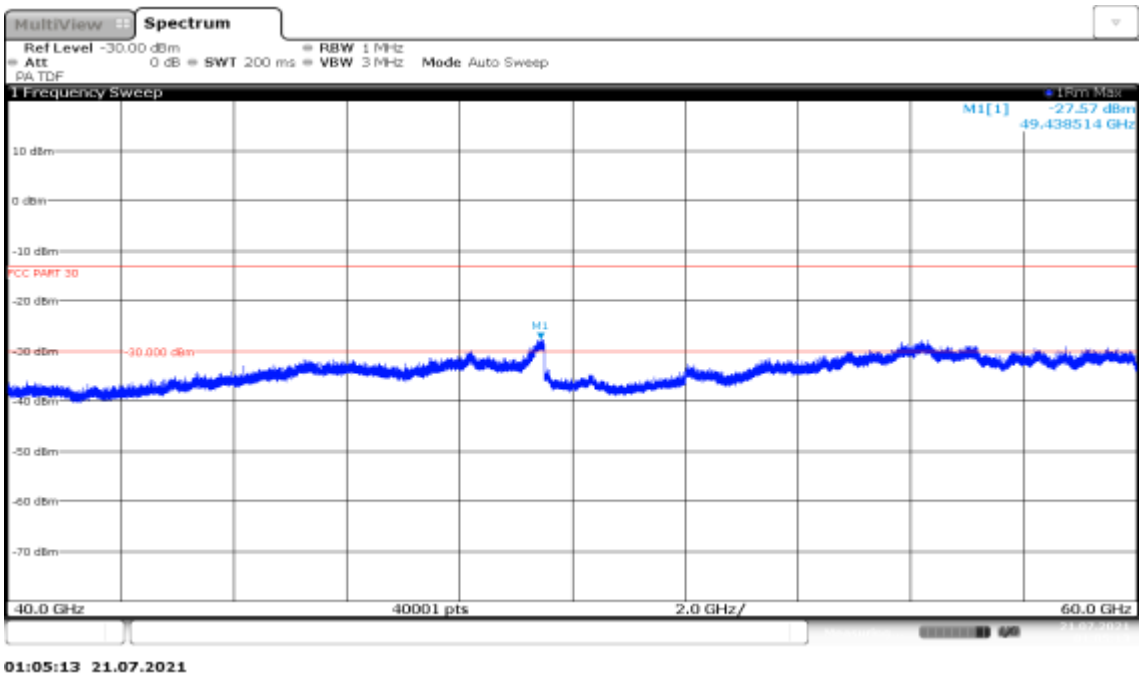
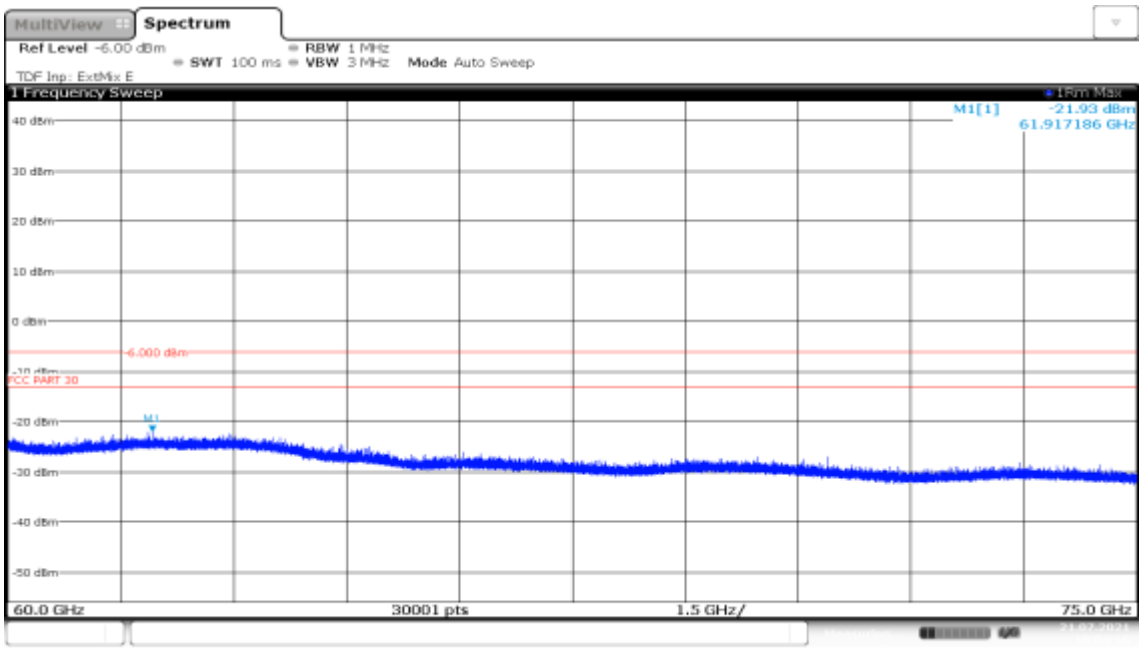
n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, High channel, 75GHz-110GHz



n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 18GHz-40GHz



n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 40GHz-60GHz



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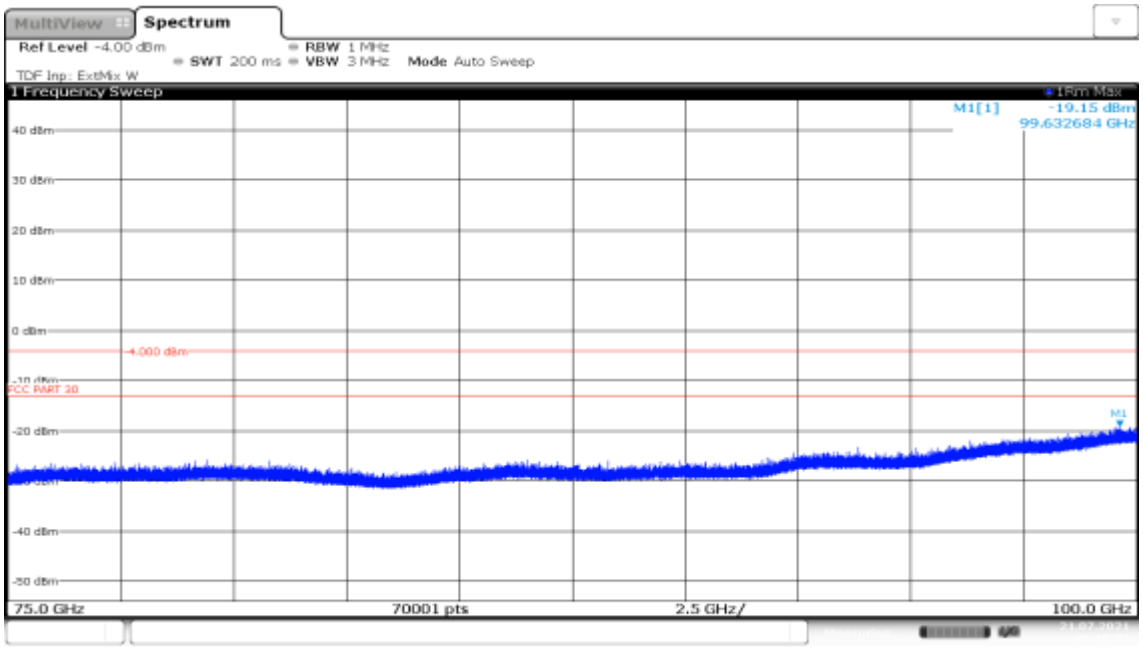
n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 60GHz-75GHz



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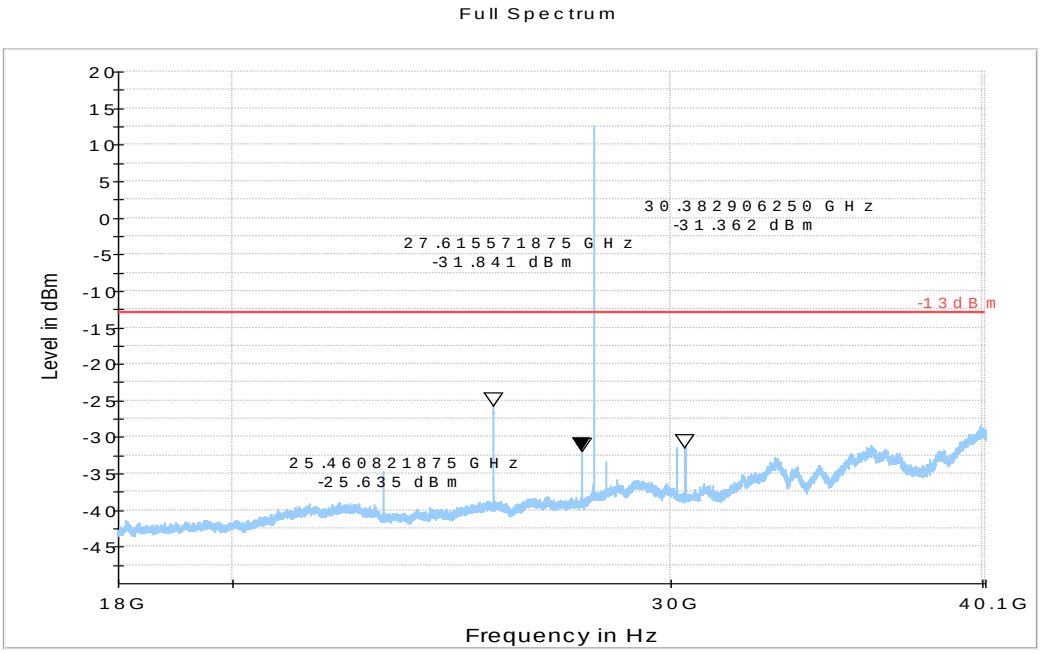
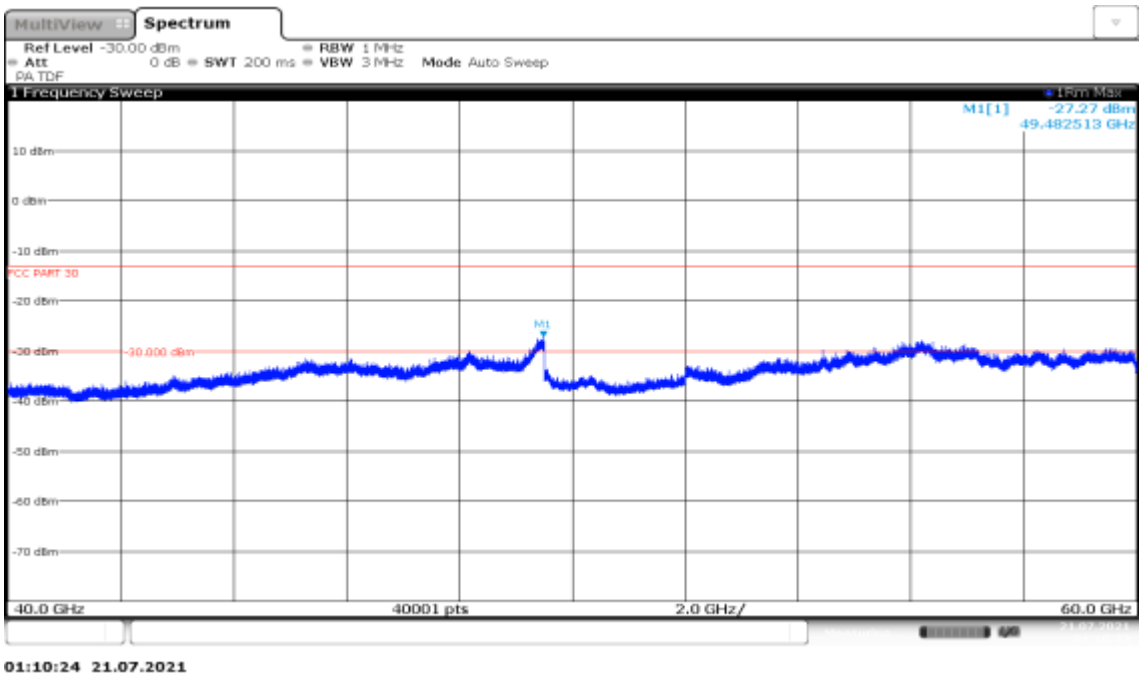
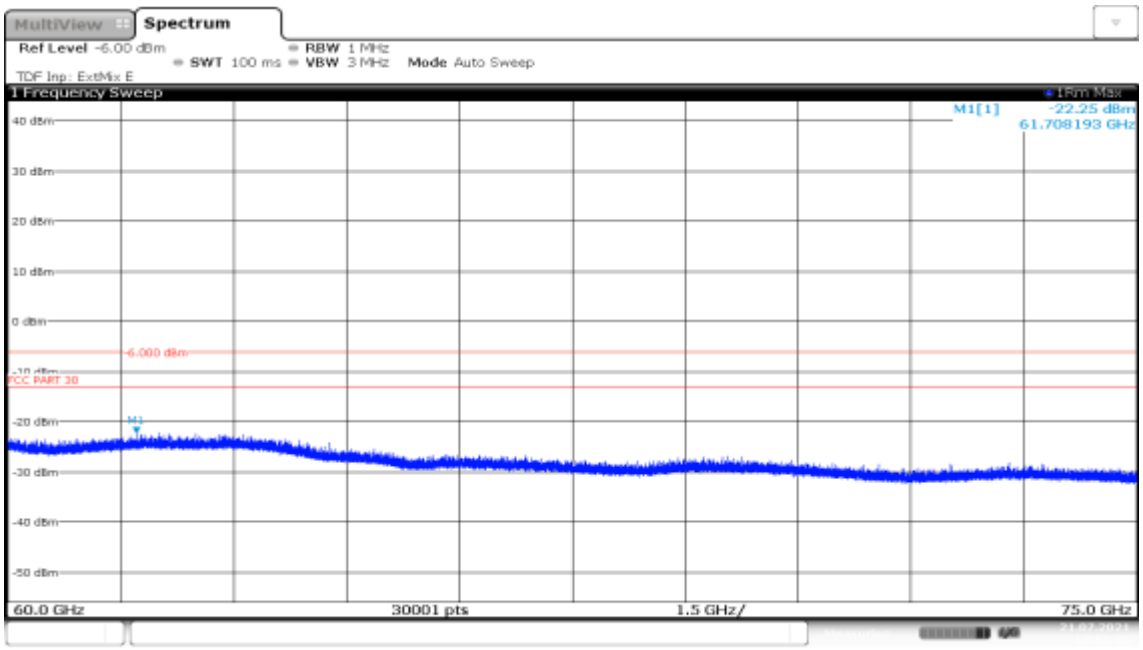
n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 75GHz-100GHz



n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 18GHz-40GHz



n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 40GHz-60GHz



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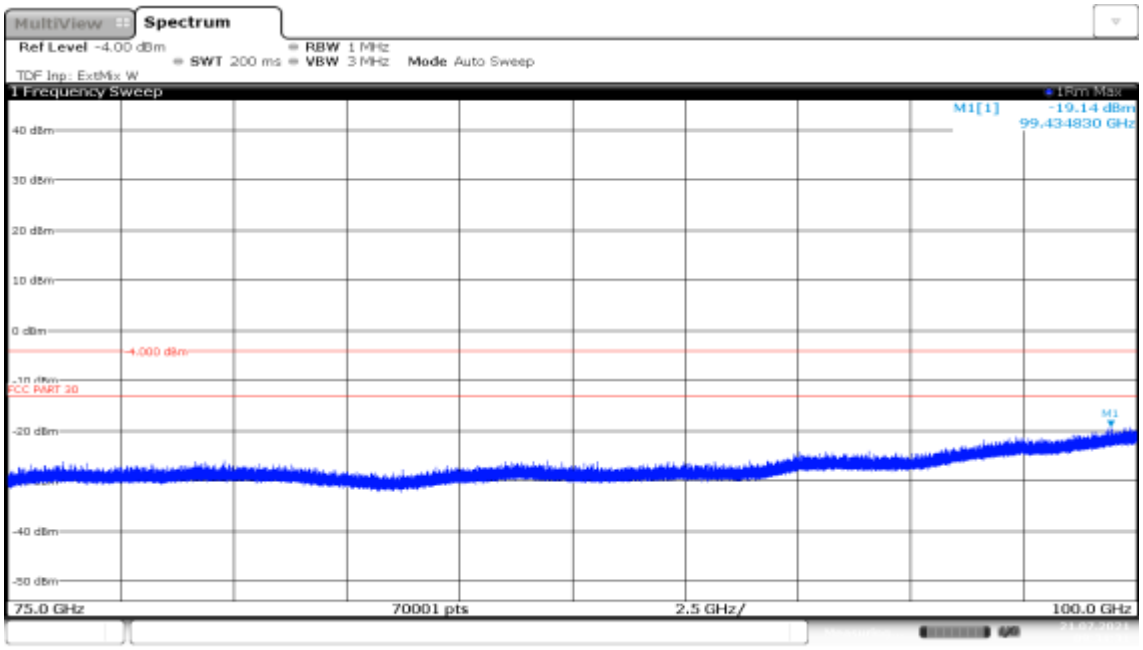
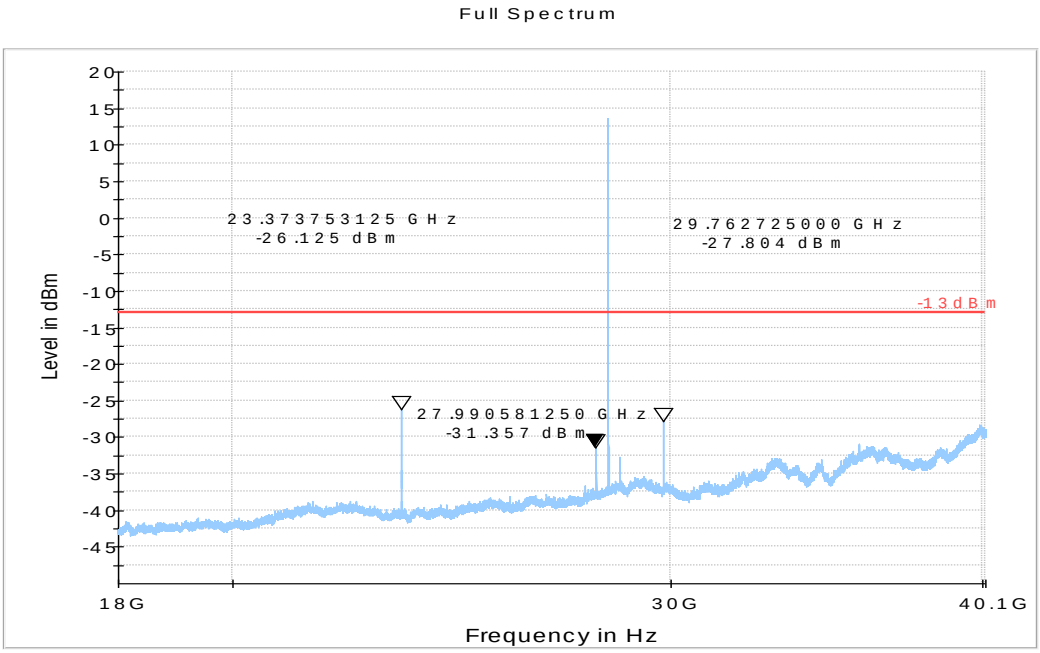
n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 60GHz-75GHz

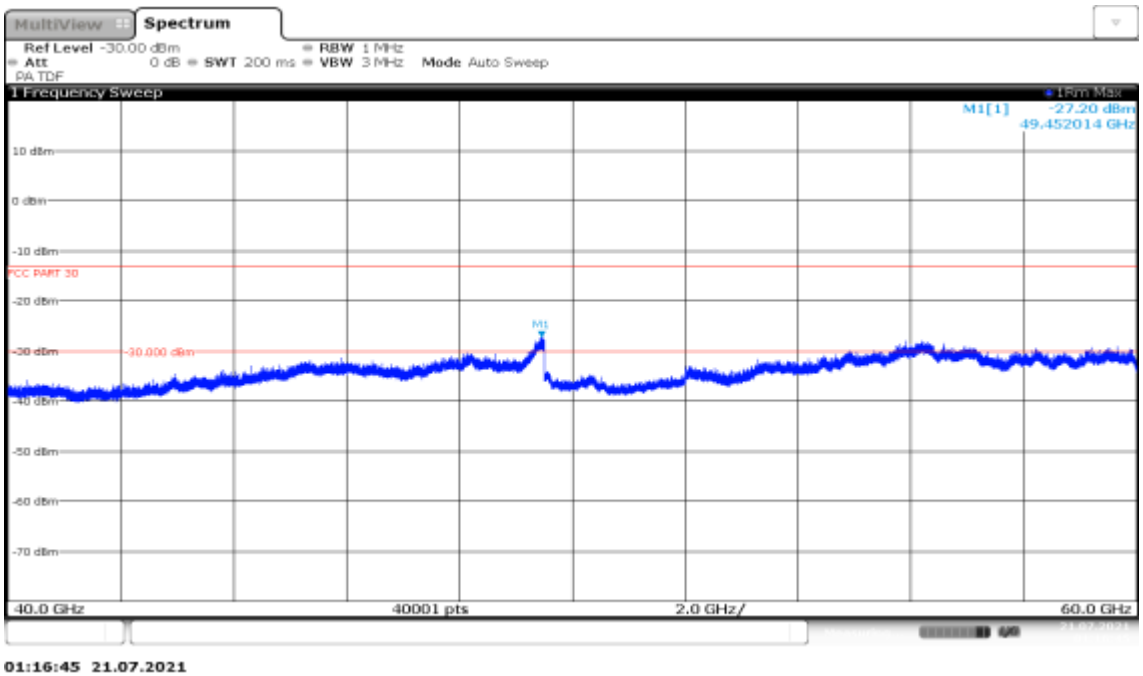


09:34:31 21.07.2021

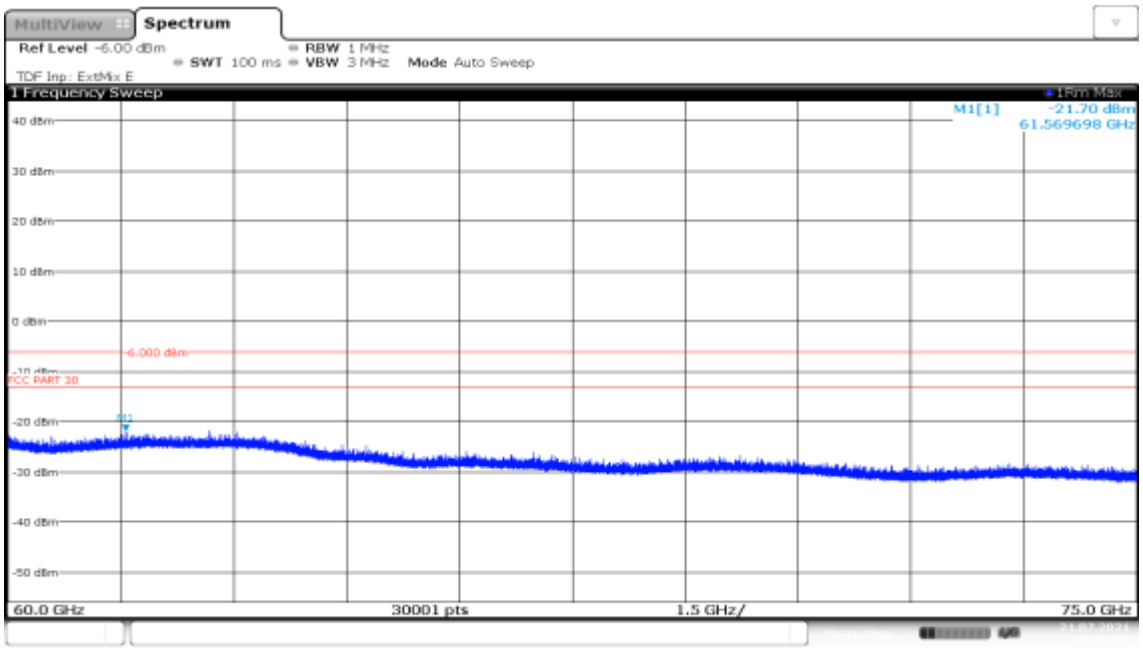
n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 75GHz-100GHz



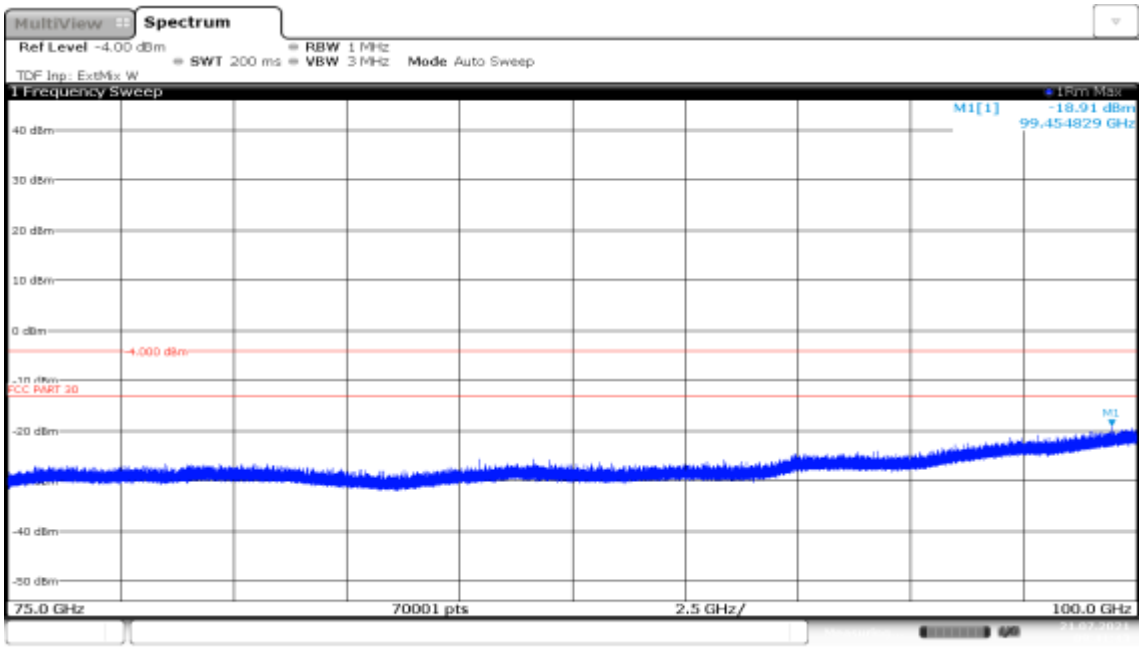
n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, High channel, 18GHz-40GHz



n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, High channel, 40GHz-60GHz



n261, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, High channel, 60GHz-75GHz



n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, High channel, 75GHz-110GHz

A.3 Frequency Stability

$2.1055

A.3.1 Method of Measurement

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage. Two reference points are established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as F_L and F_H respectively.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30℃.
3. With the EUT, powered via nominal voltage, and transmitted on middle channel for each FR2 band, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10℃ increments from -30℃ to +50℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50℃.
7. With the EUT, powered via nominal voltage, and transmitted on the center channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 ℃increments from -30℃ to +50℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5℃ during the measurement procedure.

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of the lower, higher and nominal voltage. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress.

A.3.2 Measurement results

n260, PUSCH DFT QPSK, 1RB
Frequency Error vs Temperature
OPERATING FREQUENCY: 38499960000Hz

POWER （VDC）	TEMP (℃)	FREQUENCY (Hz)	Freq. Dev (Hz)	Deviation (%)
3.8	+20(REF)	38499361000	/	/
	-30	38499061000	-300000	-0.0008%
	-20	38499321000	-40000	-0.0001%
	-10	38499381000	20000	0.0001%
	+0	38499311000	-50000	-0.0001%
	+10	38499231000	-130000	-0.0003%
	+20	38499271000	-90000	-0.0002%
	+30	38499111000	-250000	-0.0006%
	+40	38499121000	-240000	-0.0006%
	+50	38499171000	-190000	-0.0005%
3.5	+20	38499151000	-210000	-0.0005%
4.2	+20	38499181000	-180000	-0.0005%

n261, PUSCH DFT QPSK, 1RB
Frequency Error vs Temperature
OPERATING FREQUENCY: 27924960000Hz

POWER （VDC）	TEMP (℃)	FREQUENCY (Hz)	Freq. Dev (Hz)	Deviation (%)
3.8	+20(REF)	27924011000	/	/
	-30	27924141000	130000	0.0005%
	-20	27924101000	90000	0.0003%
	-10	27924521000	510000	0.0018%
	+0	27924121000	110000	0.0004%
	+10	27924121000	110000	0.0004%
	+20	27924121000	110000	0.0004%
	+30	27923981000	-30000	-0.0001%
	+40	27924041000	30000	0.0001%
	+50	27924041000	30000	0.0001%
3.5	+20	27924001000	-10000	0.0000%
4.2	+20	27924231000	220000	0.0008%

A.4 Occupied Bandwidth

A.4.1 Minimum Measurement Distance Evaluation

According to KDB842590 D01, the measurements of the fundamental emission, out of band, harmonics and spurious emissions shall be made in the far field of the measurement antenna. The far-field boundary for mmW antennas is greater than or equal to $2D^2/\lambda$ (with D being the largest dimension of the antenna, and λ the wavelength of the emission). We calculate the far-field boundary and the test distance meet the requirement of standard.

A.4.2 Measurement Method

Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the mid frequencies frequency. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.
The measurement method is from ANSI C63.26:
a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts.
b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.
c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
d) Set the detection mode to peak, and the trace mode to max-hold.

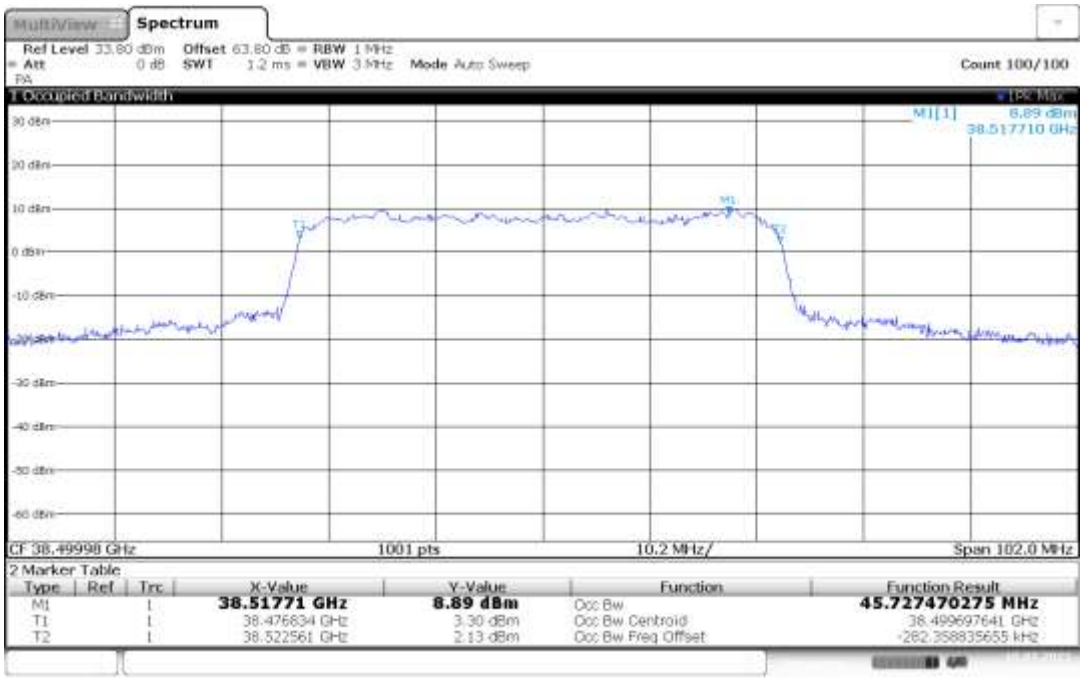
The average EIRP reported below is calculated by:
EIRP(dBm)=Spectrum Analyzer Channel Power Level(dBm)-Antenna Factor(dBi) + Cable Loss(dB) + 20log(F)+20log(D)-27.56
Where:
F:frequency (MHz)
D:Distance(m)=3m

n260, 50MHz (99%)

MID CHANNEL

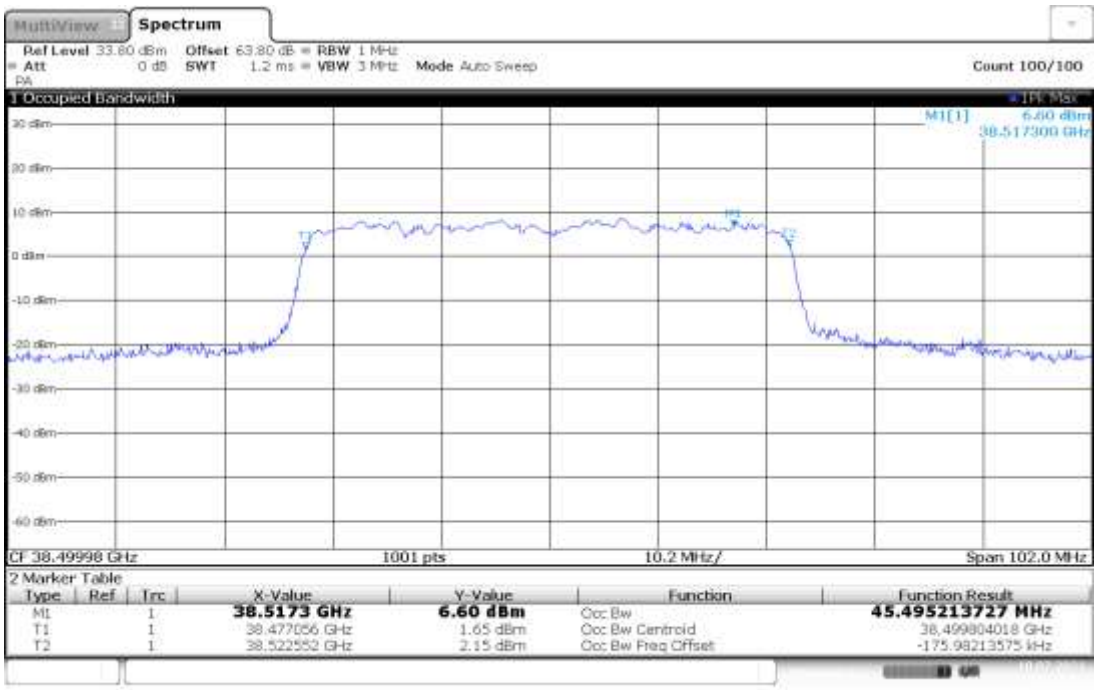
Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
38499.96	QPSK	16QAM	64QAM
	45.73	45.50	45.61

n260, 50MHz Bandwidth, MID CHANNEL, QPSK (99% BW)



02:13:12 10.07.2021

n260, 50MHz Bandwidth, MID CHANNEL, 16QAM (99% BW)



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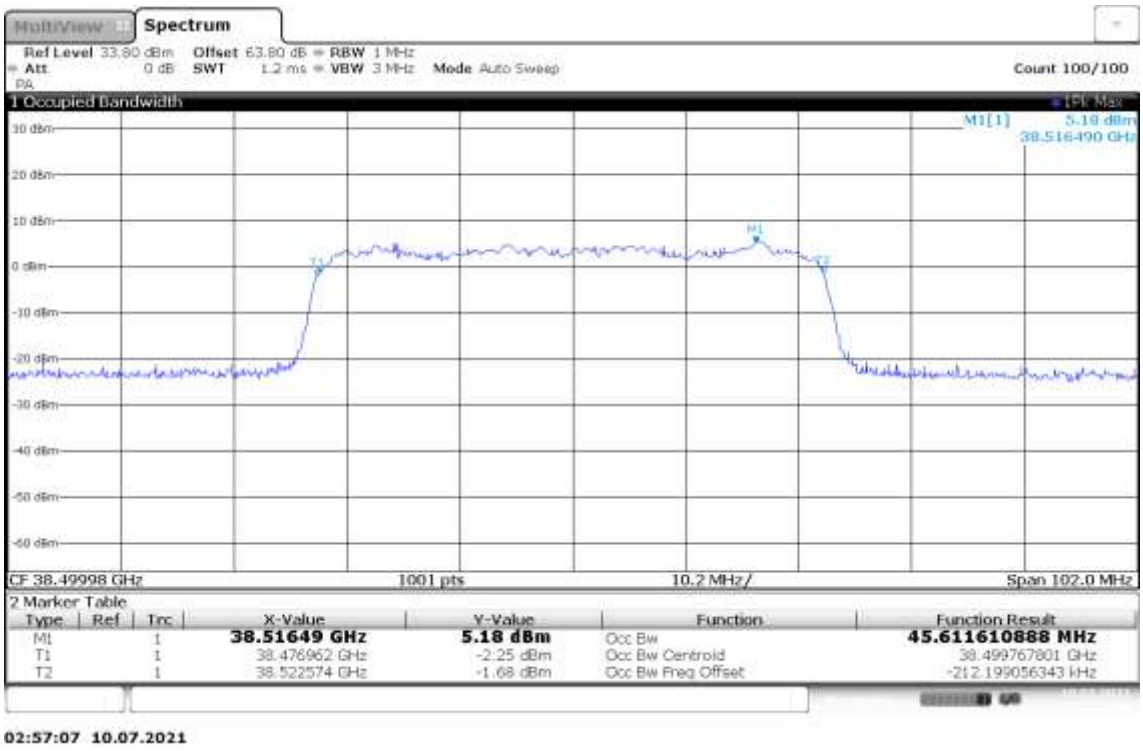
n260, 50MHz Bandwidth, MID CHANNEL, 64QAM (99% BW)



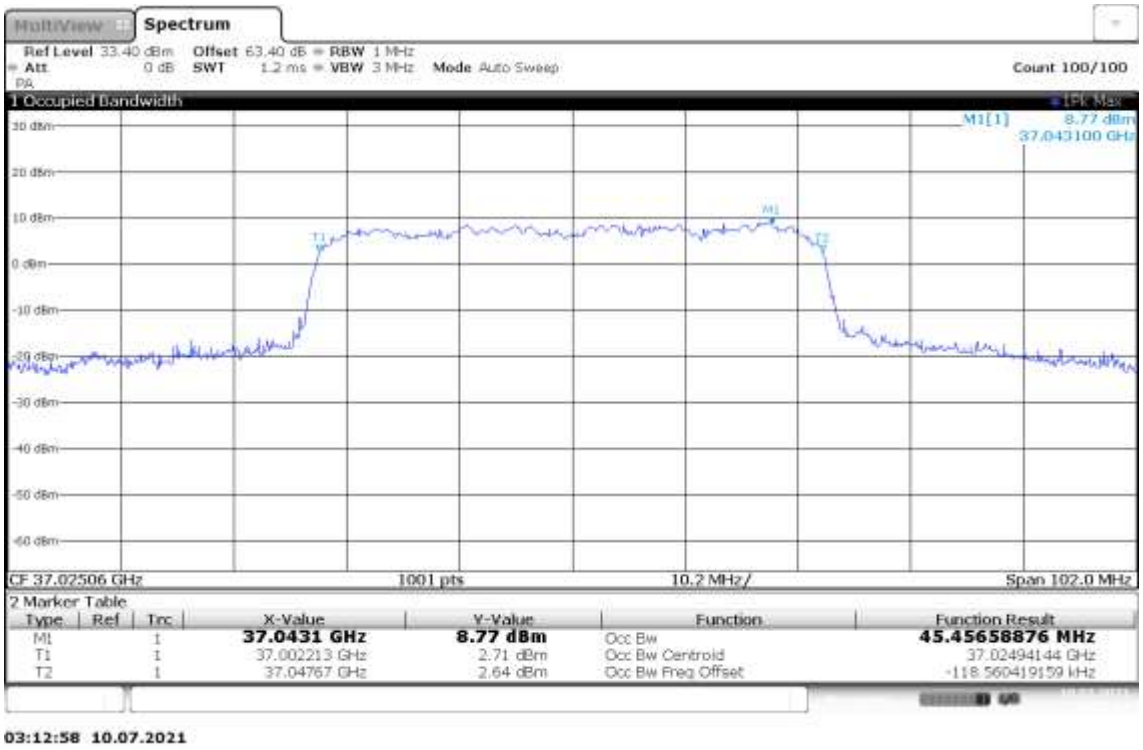
Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n260, 50MHz (99%)

LOW CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
37025.04	QPSK	16QAM	64QAM
	45.46	/	/

n260, 50MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

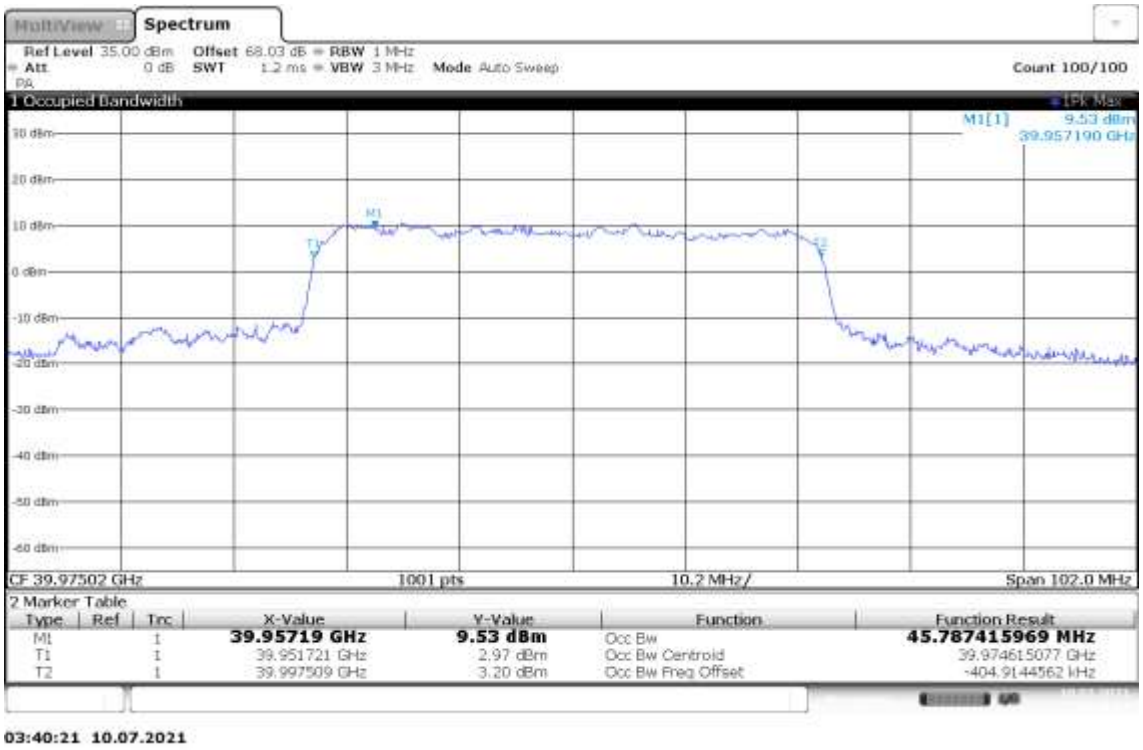


n260, 50MHz (99%)

HIGH CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
39975	QPSK	16QAM	64QAM
	45.79	/	/

n260, 50MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)

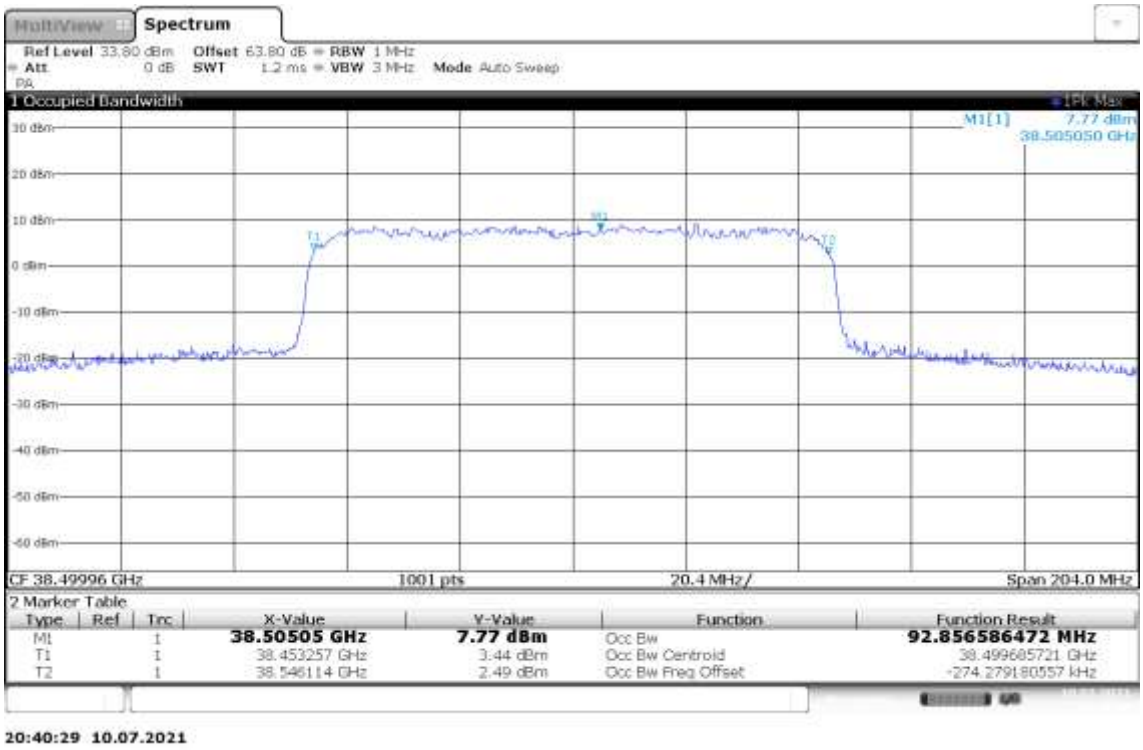


n260, 100MHz (99%)

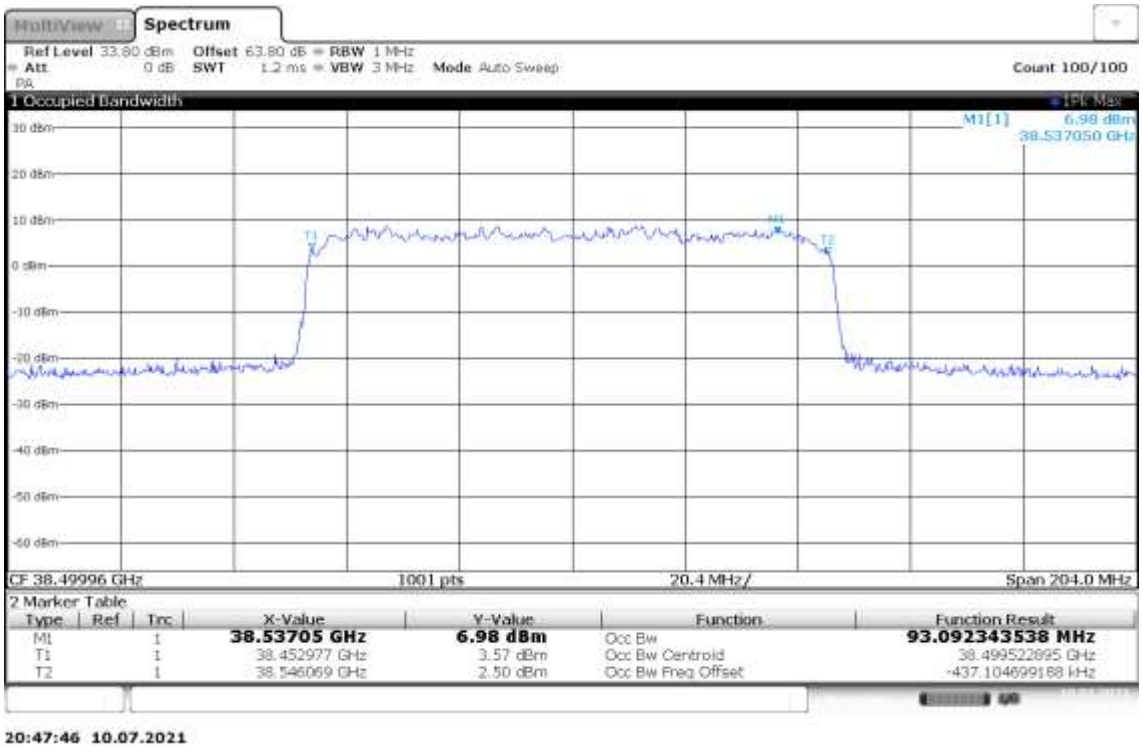
MID CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
38499.96	QPSK	16QAM	64QAM
	92.85	93.09	93.16

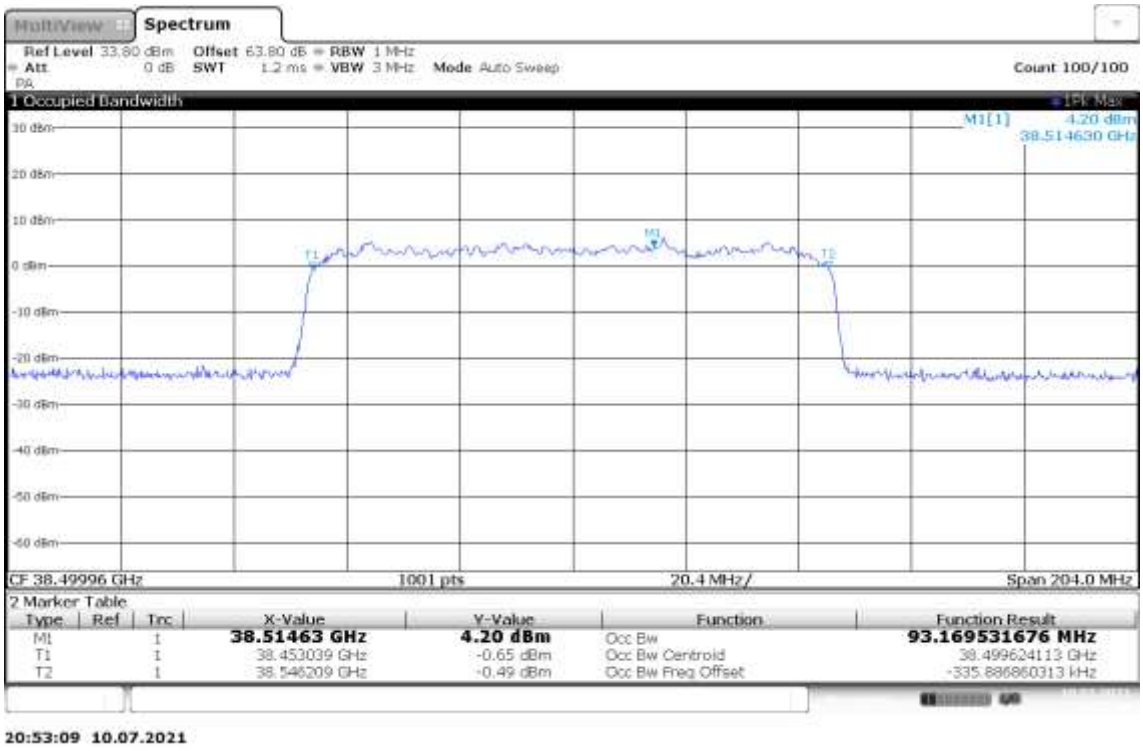
n260, 100MHz Bandwidth, QPSK (99% BW)



n260, 100MHz Bandwidth, 16QAM (99% BW)



n260, 100MHz Bandwidth, 64QAM (99% BW)



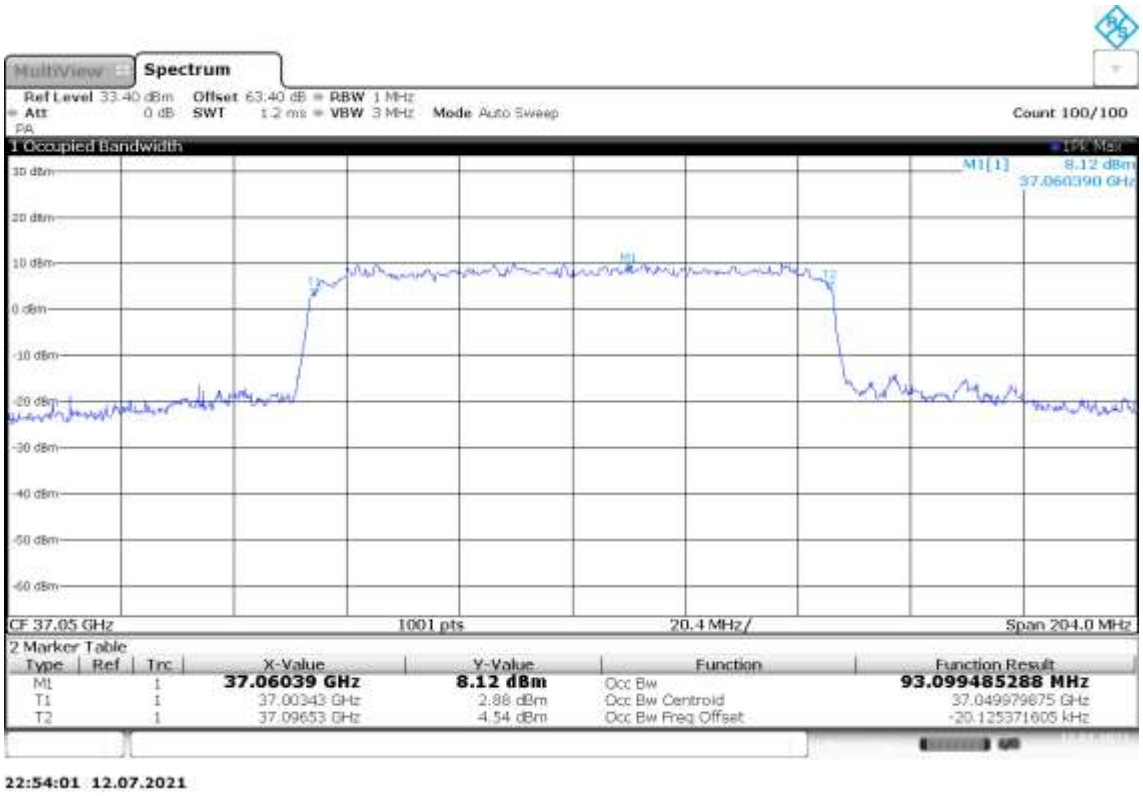
Note: The worst modulation is 64QAM, and we test follow setups used 64QAM.

n260, 100MHz (99%)

LOW CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
37050	QPSK	16QAM	64QAM
	/	/	93.09

n260, 100MHz Bandwidth, LOW CHANNEL, 64QAM (99% BW)

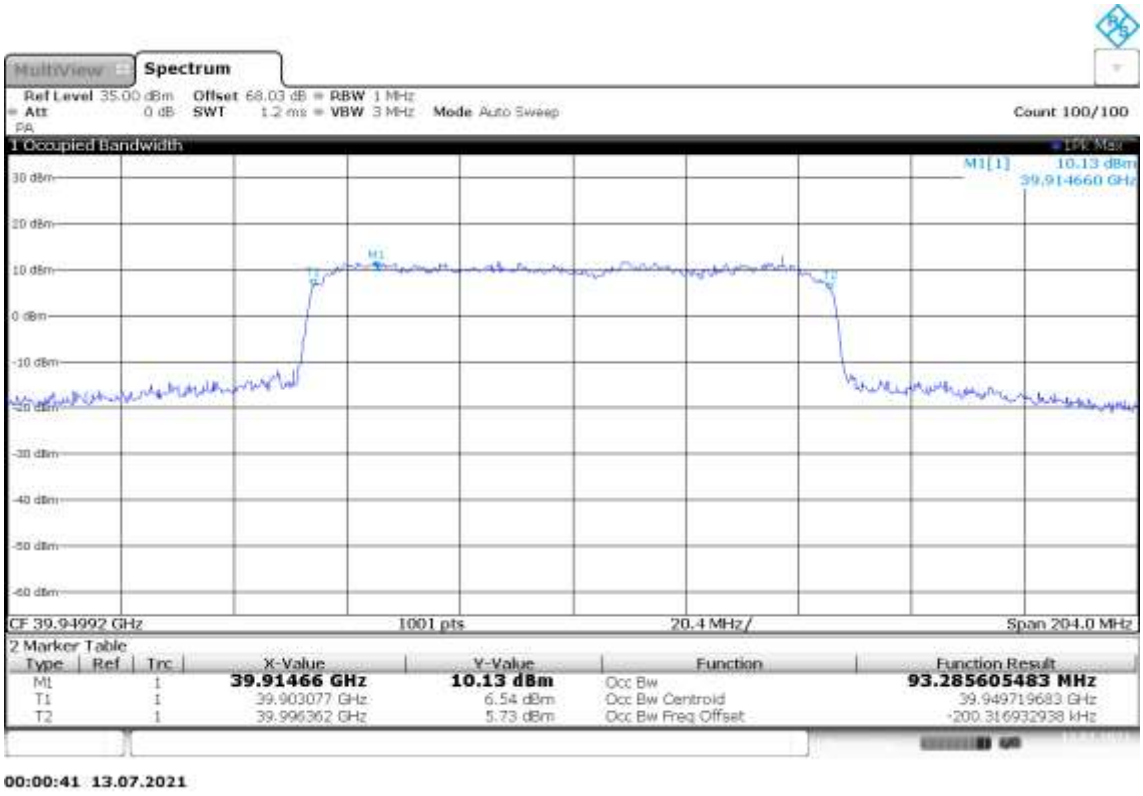


n260, 100MHz (99%)

HIGH CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
39949.92	QPSK	16QAM	64QAM
	/	/	93.28

n260, 100MHz Bandwidth, LOW CHANNEL, 64QAM (99% BW)

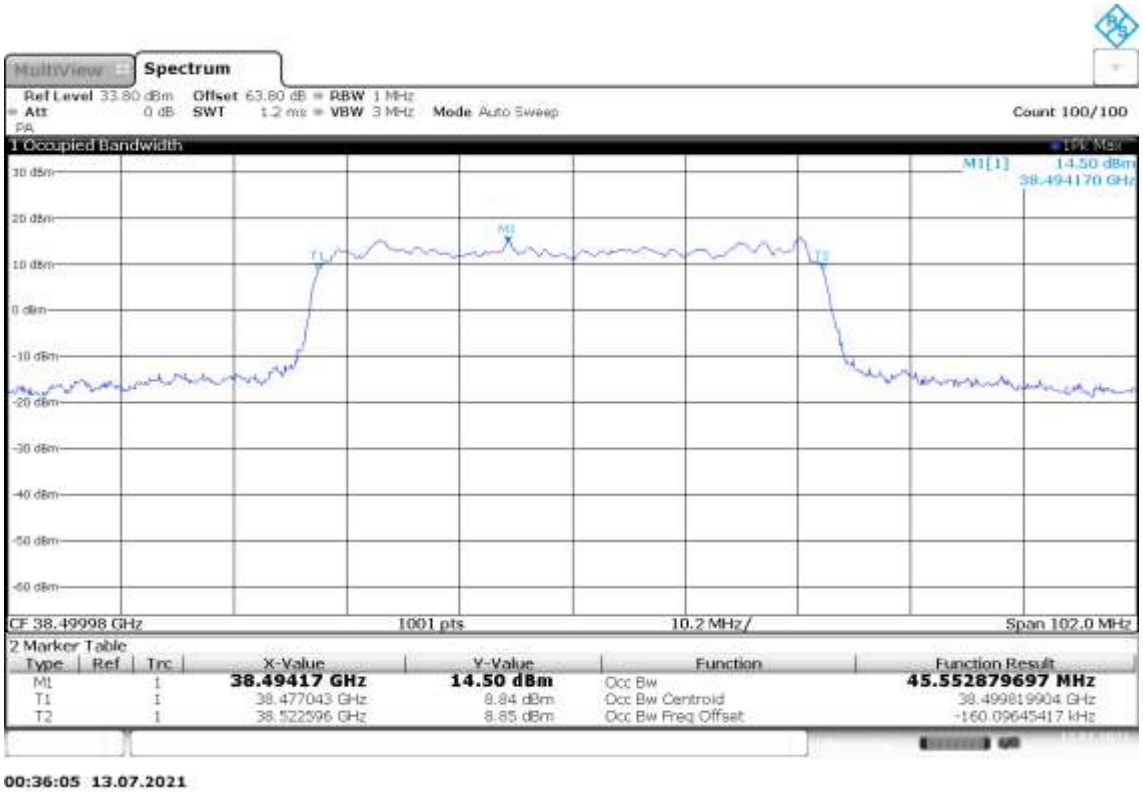


n260, 50MHz (99%)

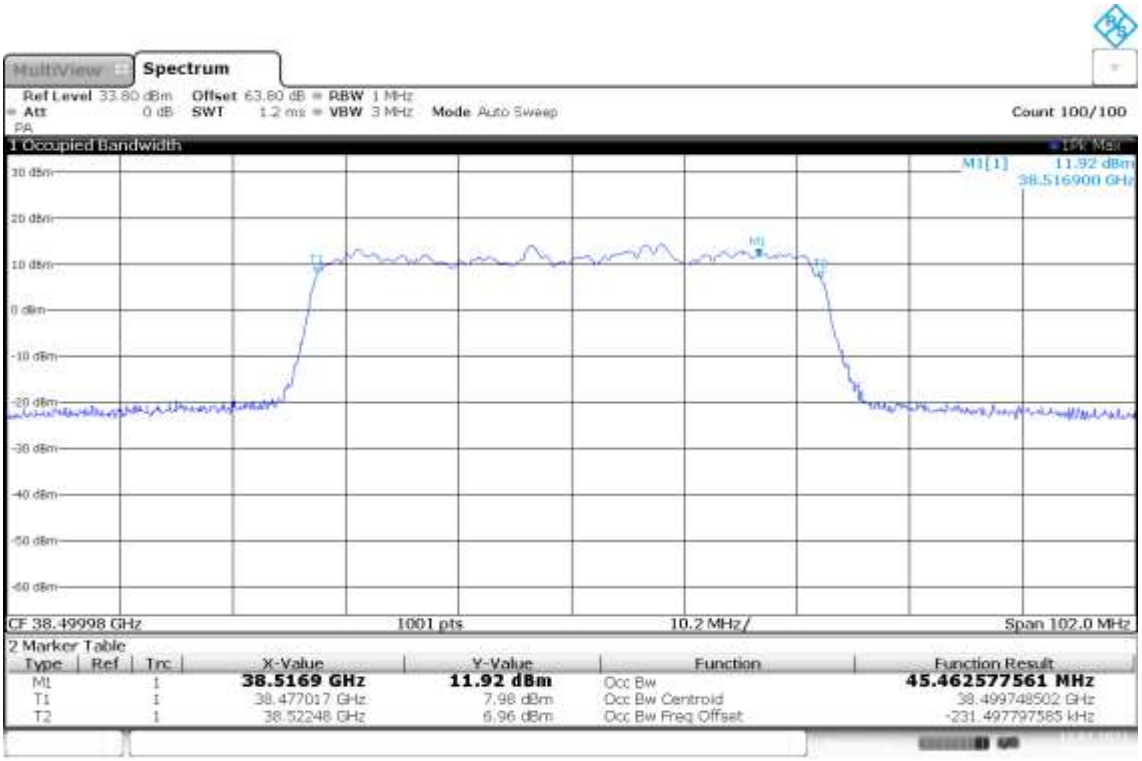
MID CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
38499.96	QPSK	16QAM	64QAM
	45.55	45.46	45.38

n260, 50MHz Bandwidth, QPSK (99% BW)



n260, 50MHz Bandwidth, 16QAM (99% BW)



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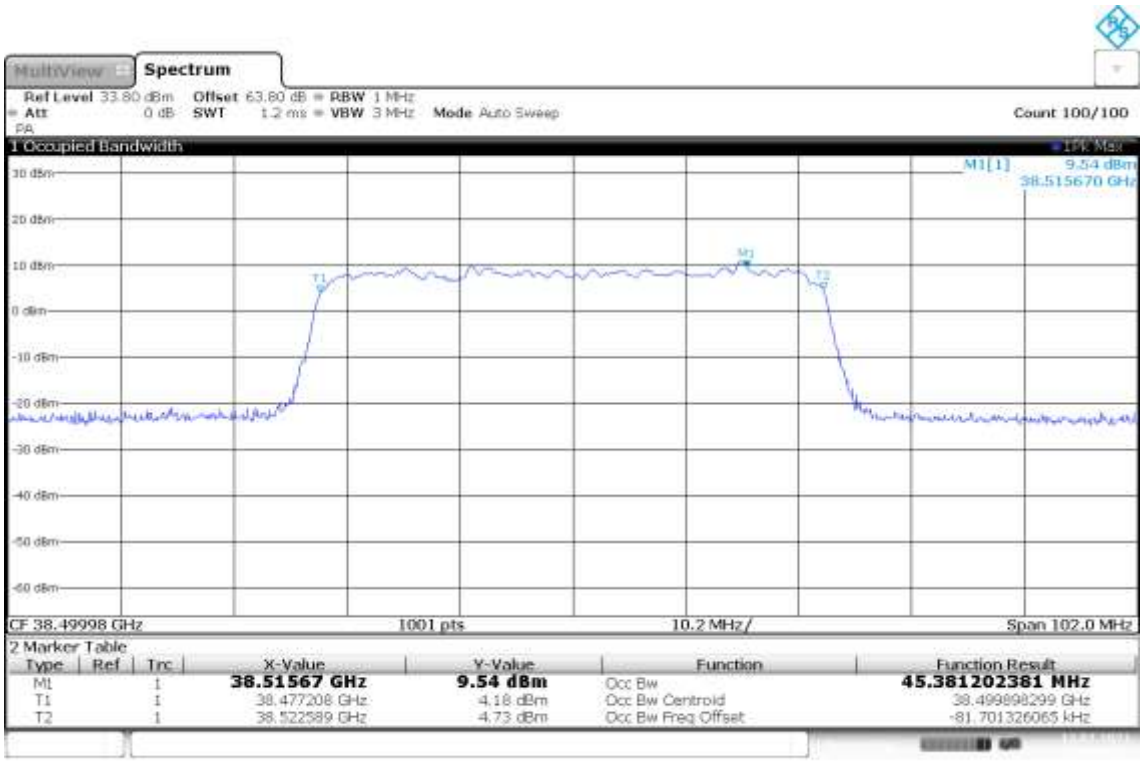
n260, 50MHz Bandwidth, 64QAM (99% BW)



00:49:32 13.07.2021

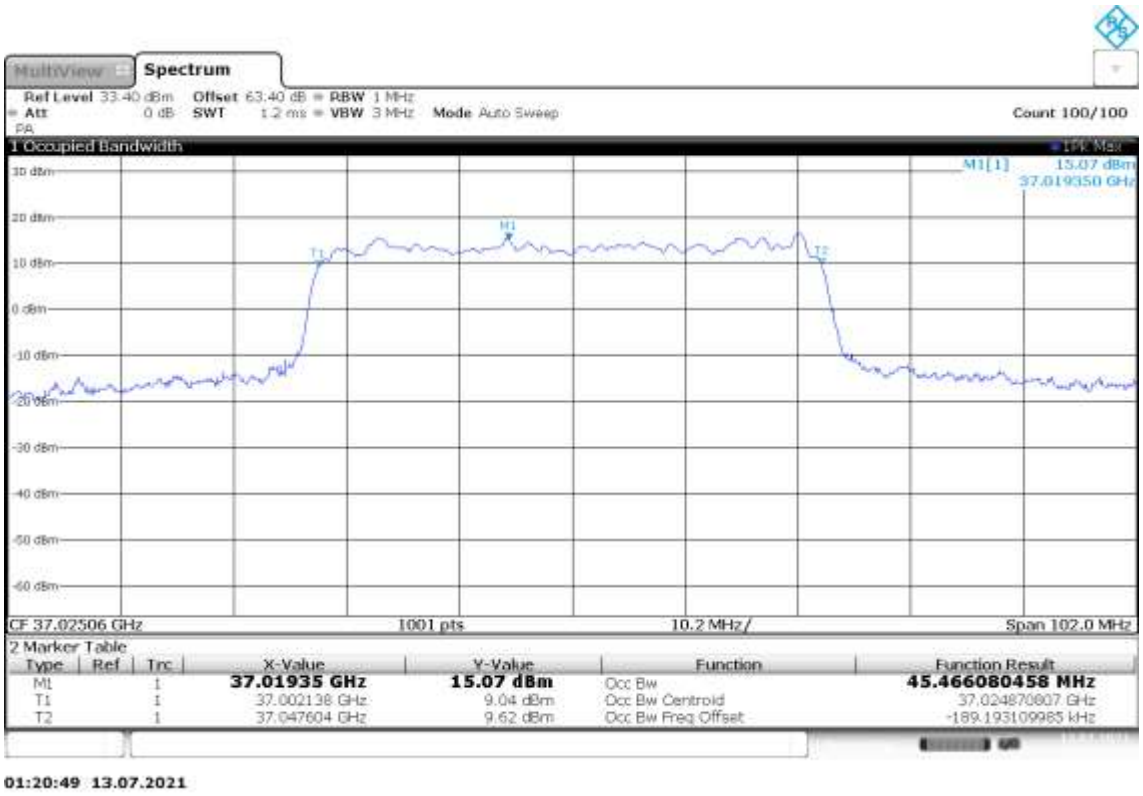
Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n260, 50MHz (99%)

LOW CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
37025.04	QPSK	16QAM	64QAM
	45.46	/	/

n260, 50MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

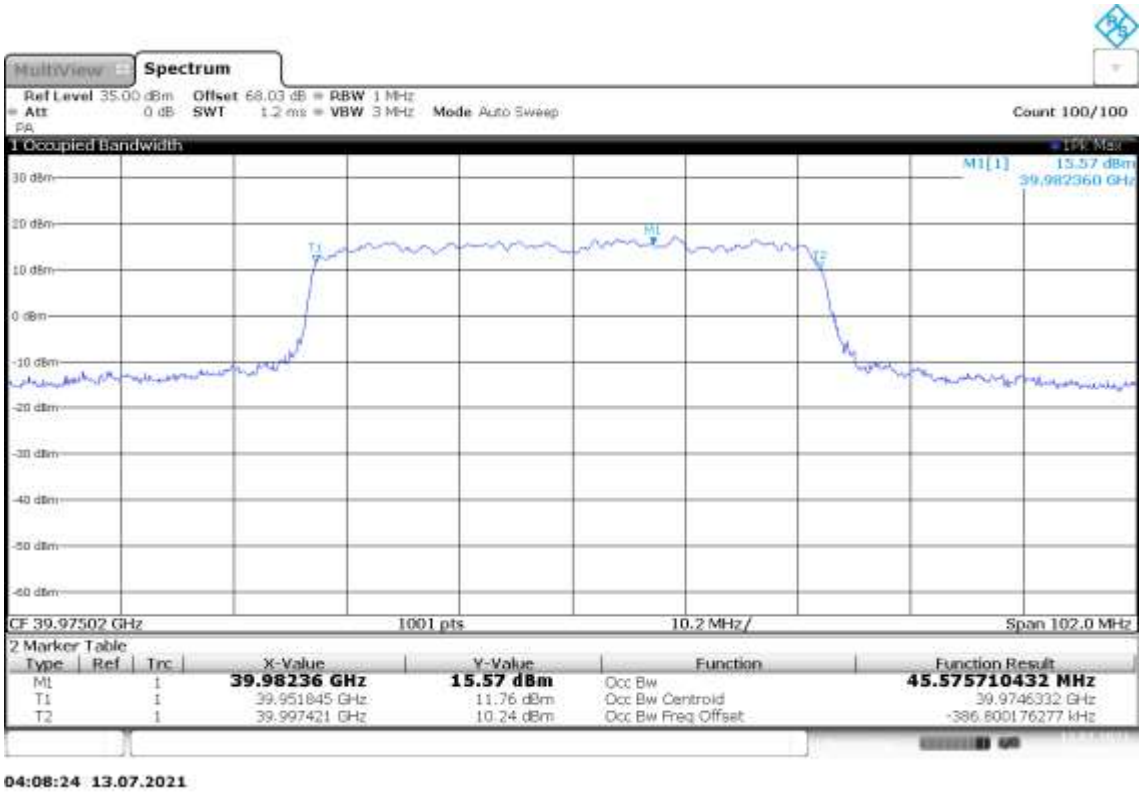


n260, 50MHz (99%)

HIGH CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
39975	QPSK	16QAM	64QAM
	45.57	/	/

n260, 50MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)



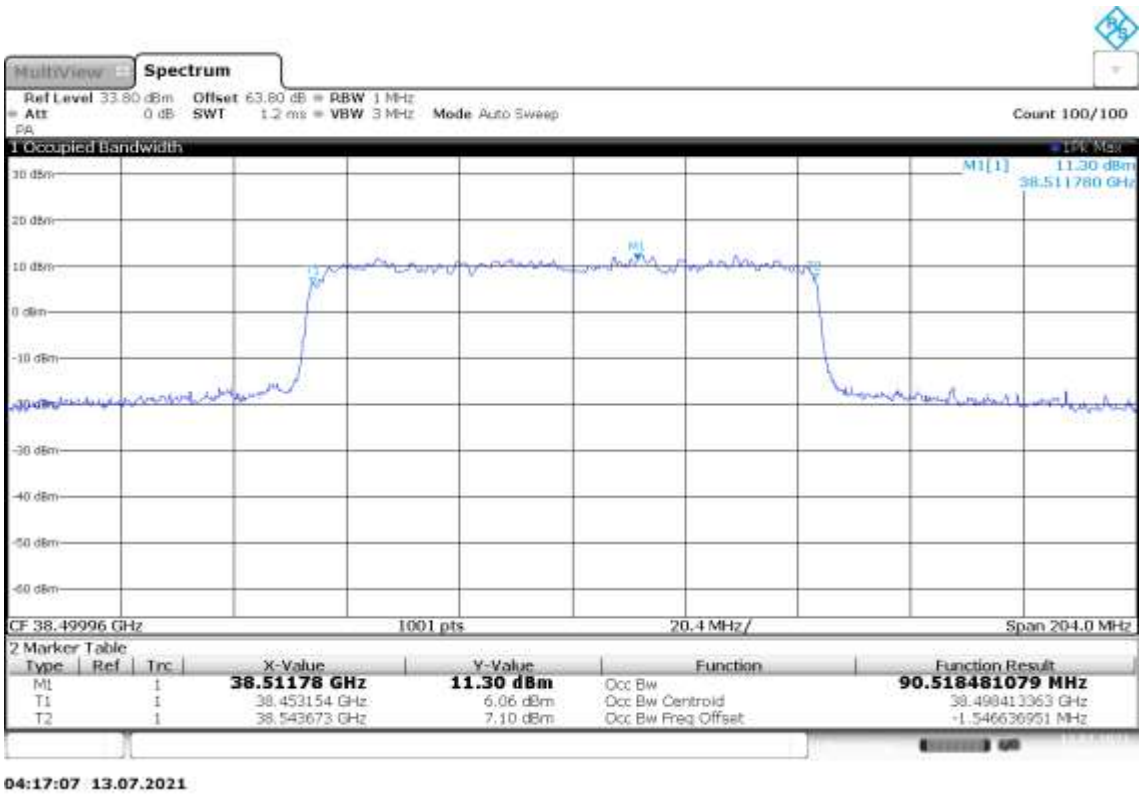
04:08:24 13.07.2021

n260, 100MHz (99%)

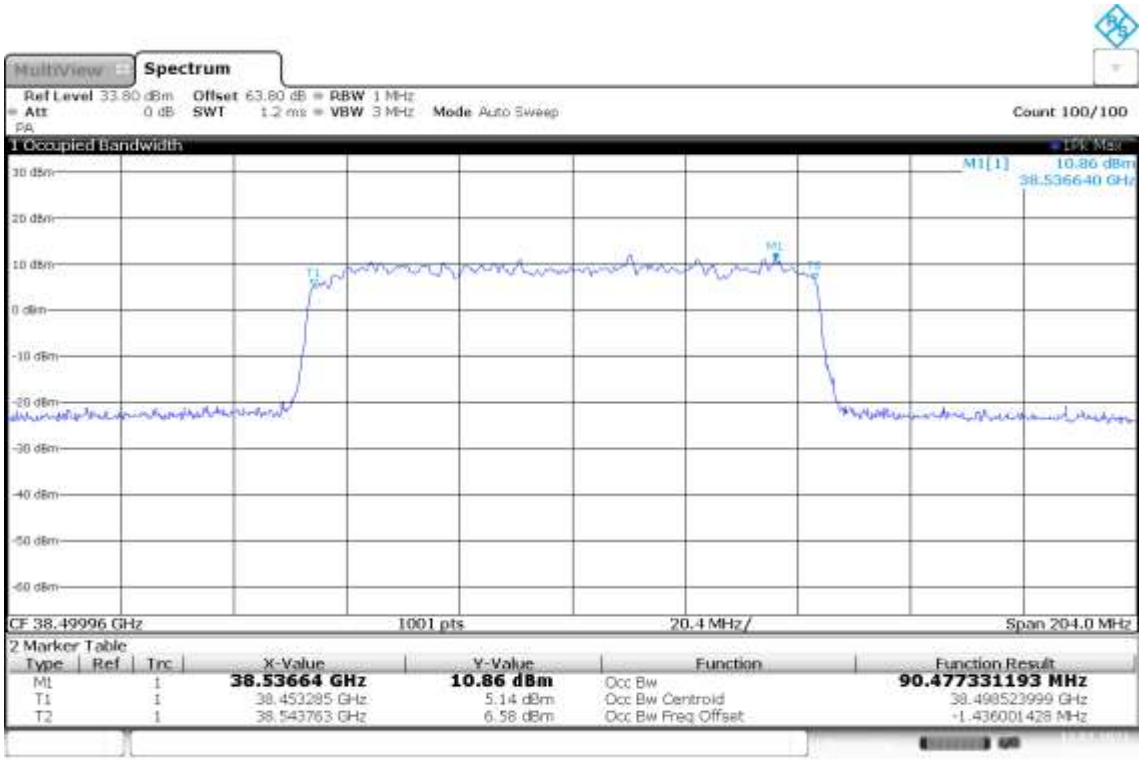
MID CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
38499.96	QPSK	16QAM	64QAM
	90.51	90.47	90.33

n260, 100MHz Bandwidth, MID CHANNEL, QPSK (99% BW)



n260, 100MHz Bandwidth, MID CHANNEL, 16QAM (99% BW)



04:24:21 13.07.2021

n260, 100MHz Bandwidth, MID CHANNEL, 64QAM (99% BW)

04:31:33 13.07.2021

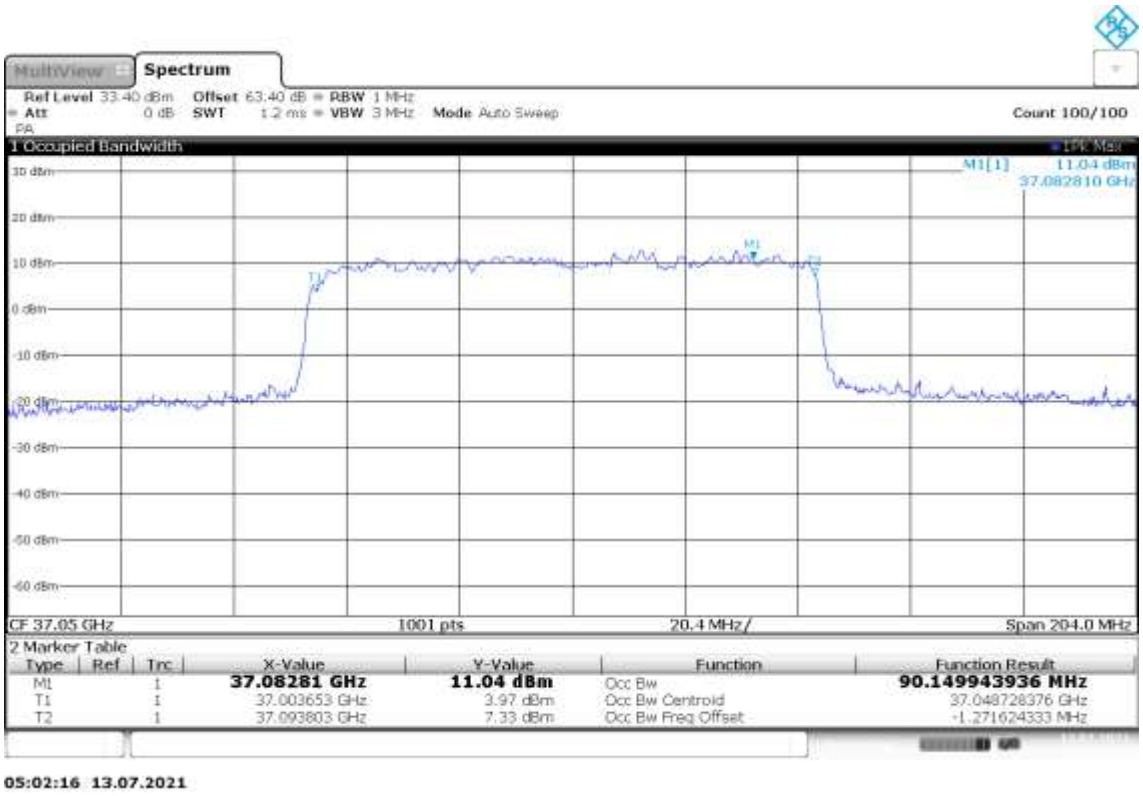
Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n260, 100MHz (99%)

LOW CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
37050	QPSK	16QAM	64QAM
	90.14	/	/

n260, 100MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

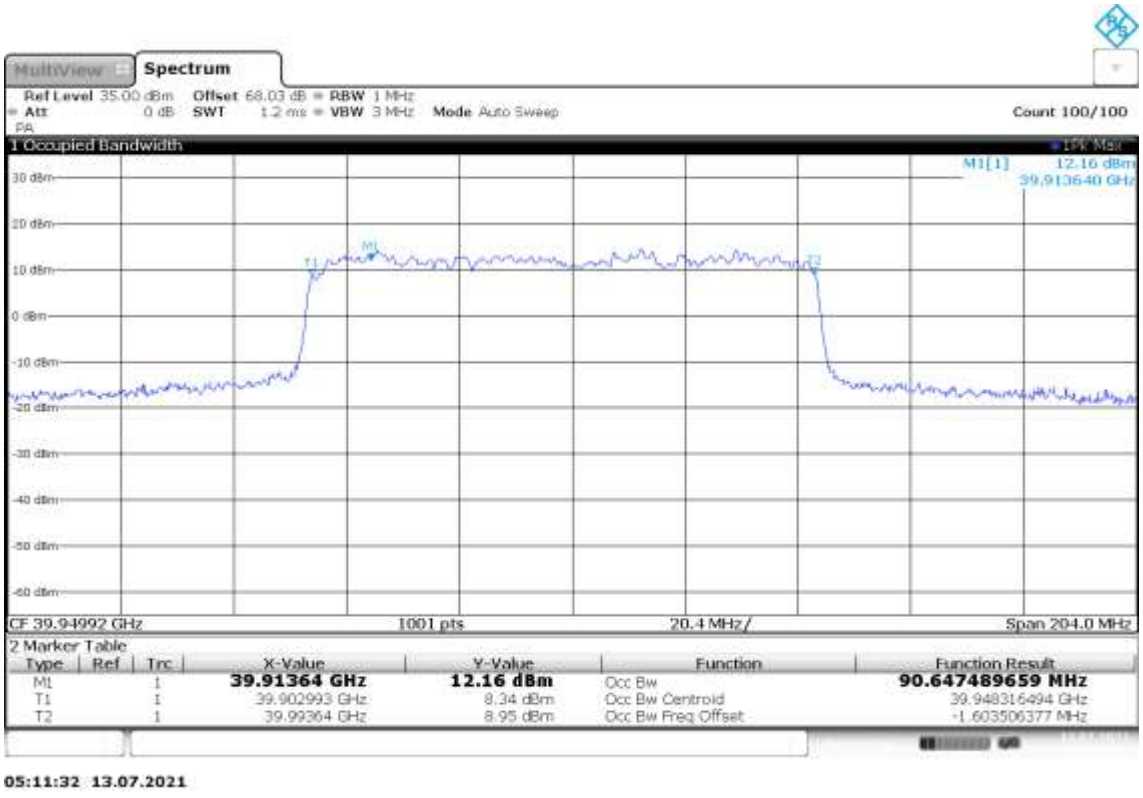


n260, 100MHz (99%)

HIGH CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
39949.92	QPSK	16QAM	64QAM
	90.64	/	/

n260, 100MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)



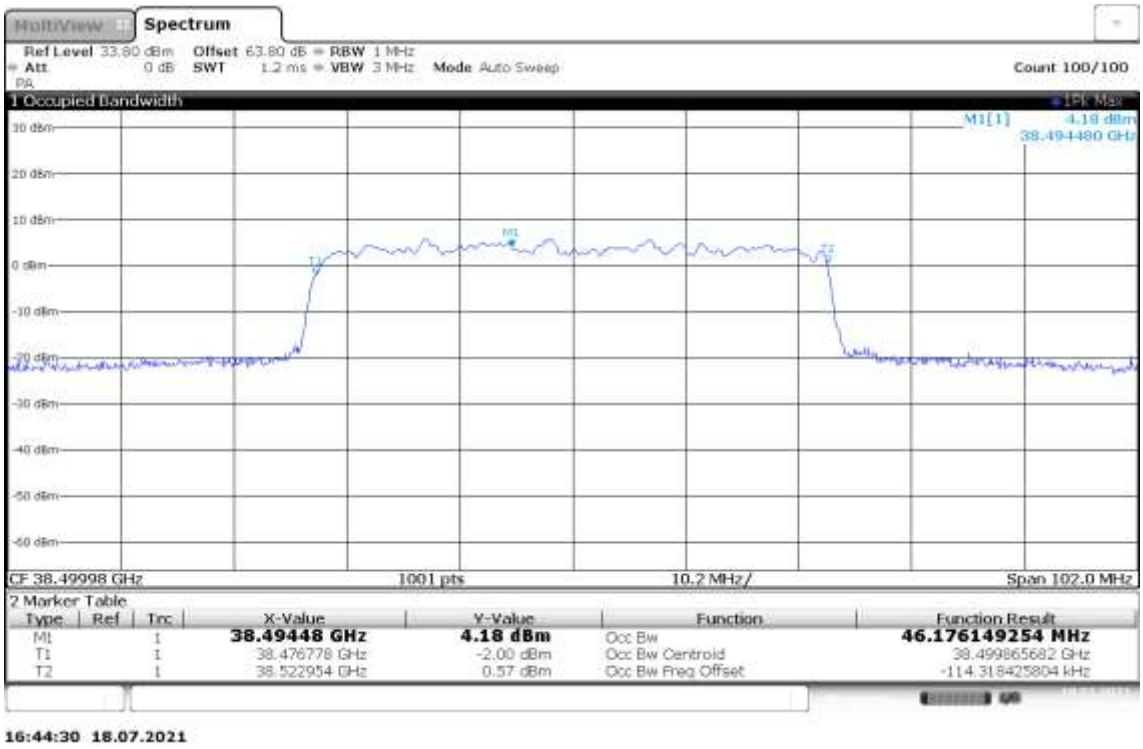
NOTE: Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n260, 50MHz (99%)

MID CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
38499.96	QPSK	16QAM	64QAM
	46.18	/	/

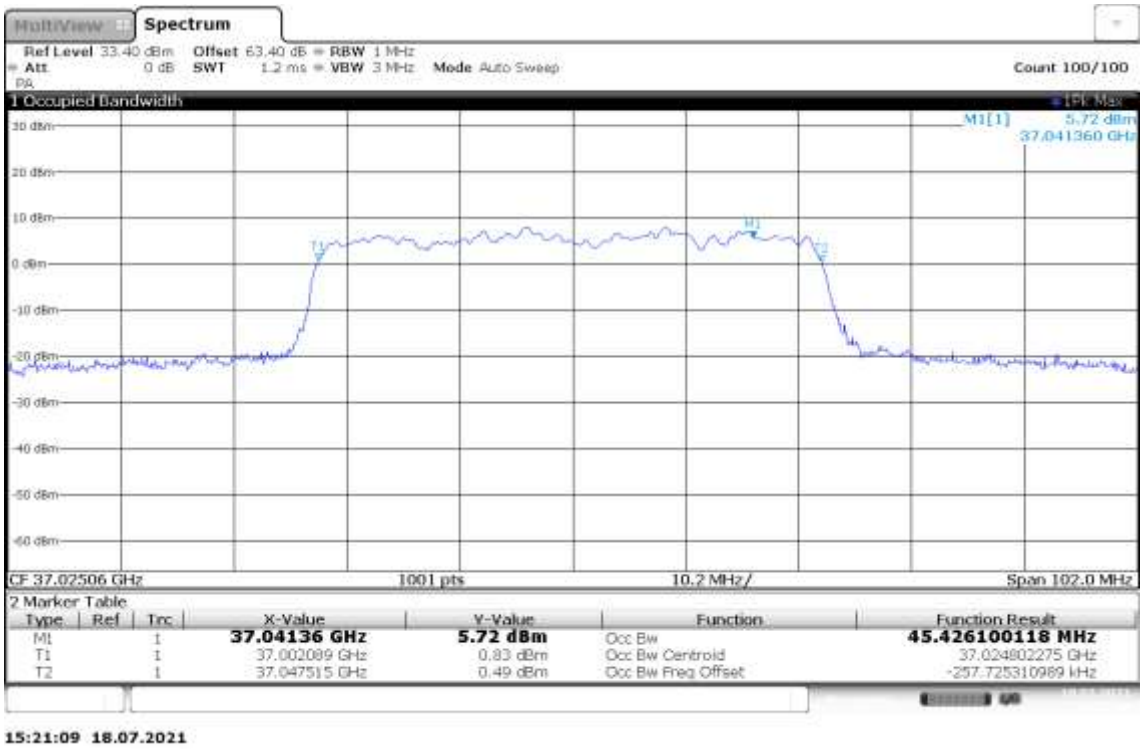
n260, 50MHz Bandwidth, MID CHANNEL, QPSK (99% BW)



LOW CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
37025.04	QPSK	16QAM	64QAM
	45.43	/	/

n260, 50MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

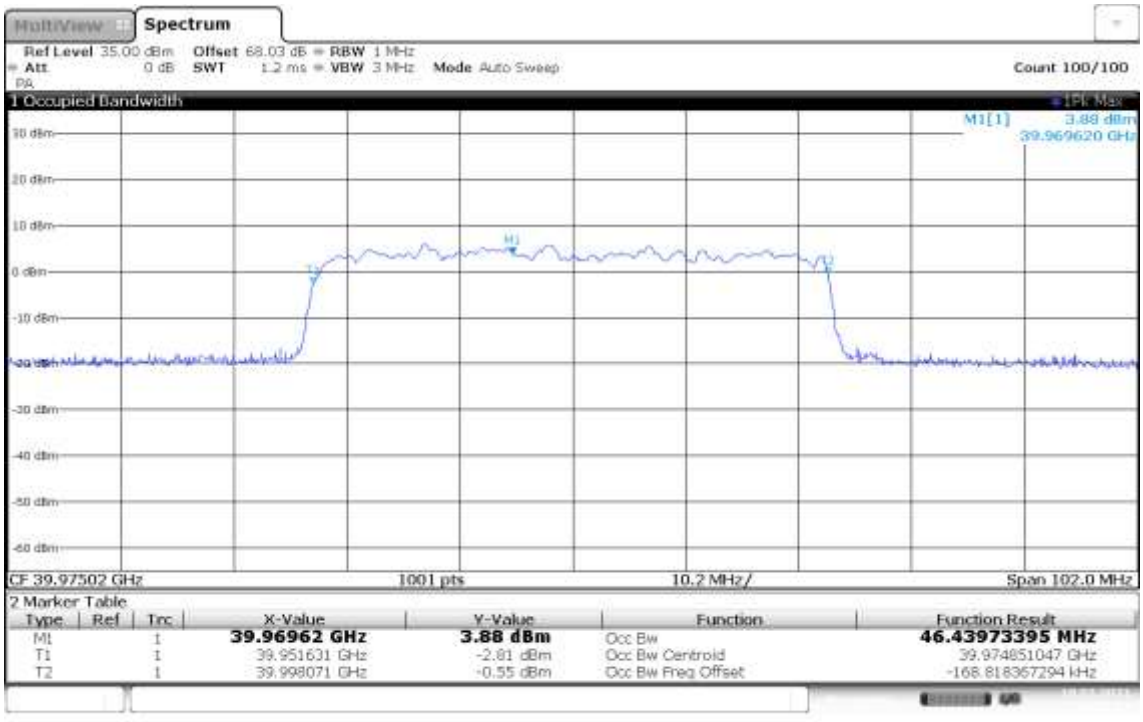


15:21:09 18.07.2021

HIGH CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
37025.04	QPSK	16QAM	64QAM
	46.44	/	/

n260, 50MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)



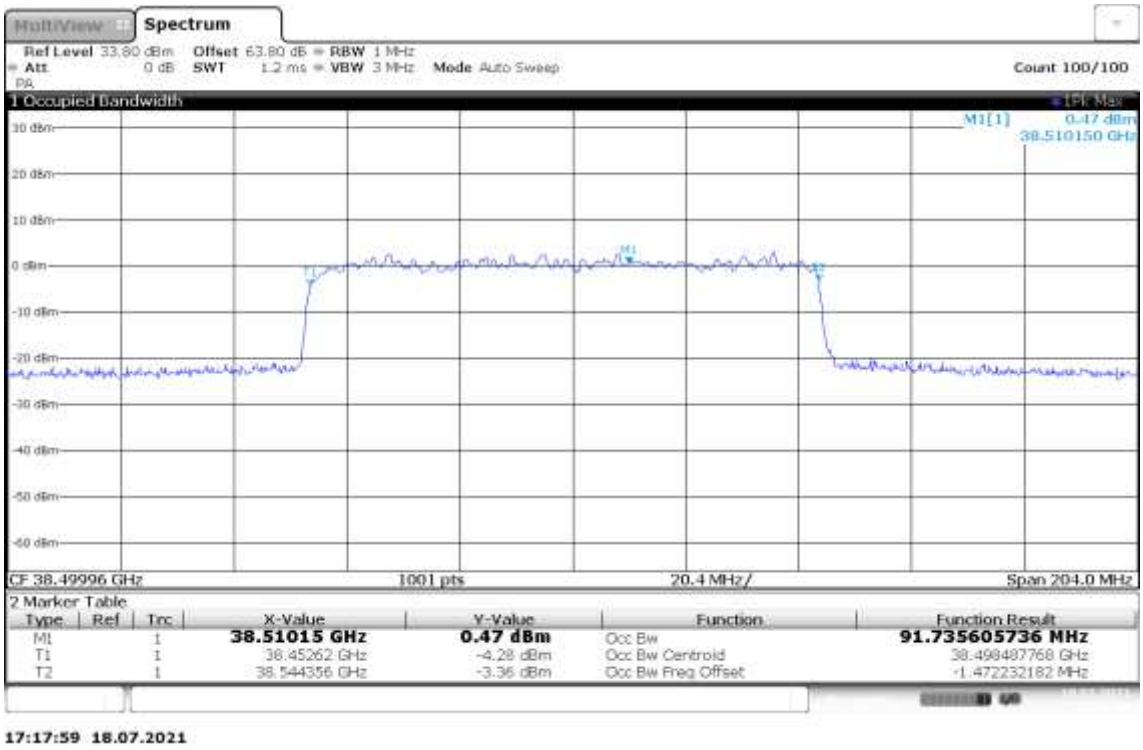
16:03:27 18.07.2021

n260, 100MHz (99%)

MID CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
38499.96	QPSK	16QAM	64QAM
	91.74	/	/

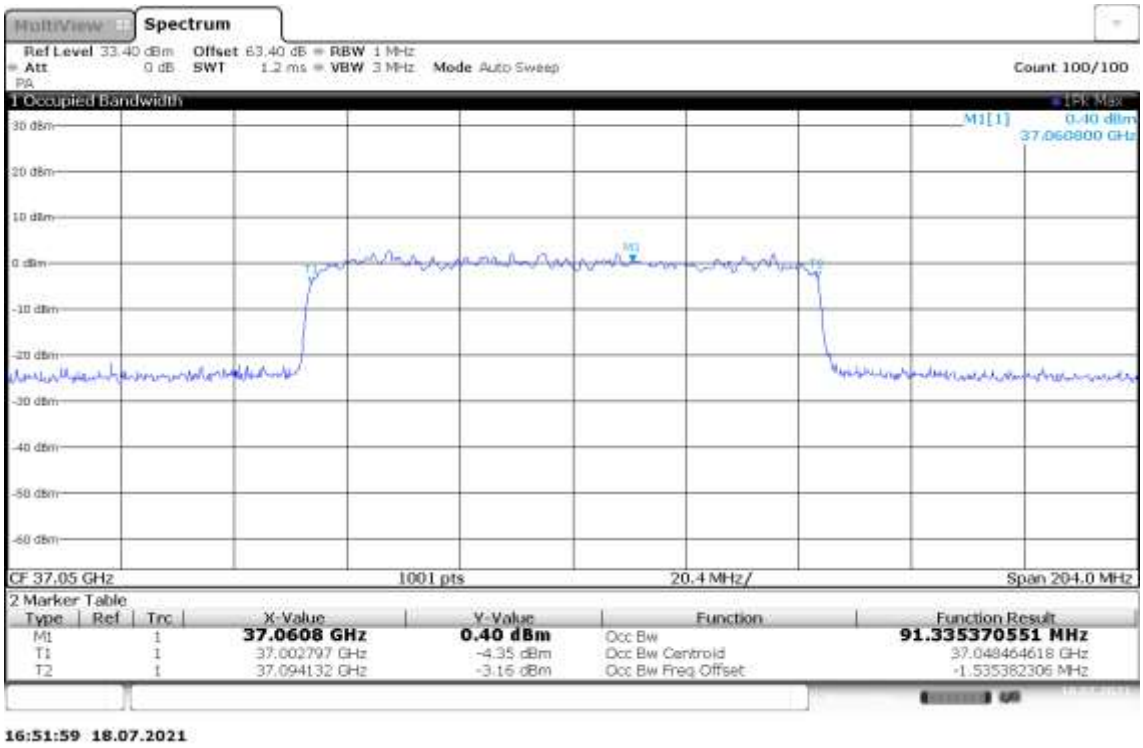
n260, 100MHz Bandwidth, MID CHANNEL, QPSK (99% BW)



LOW CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
37050	QPSK	16QAM	64QAM
	91.34	/	/

n260, 100MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

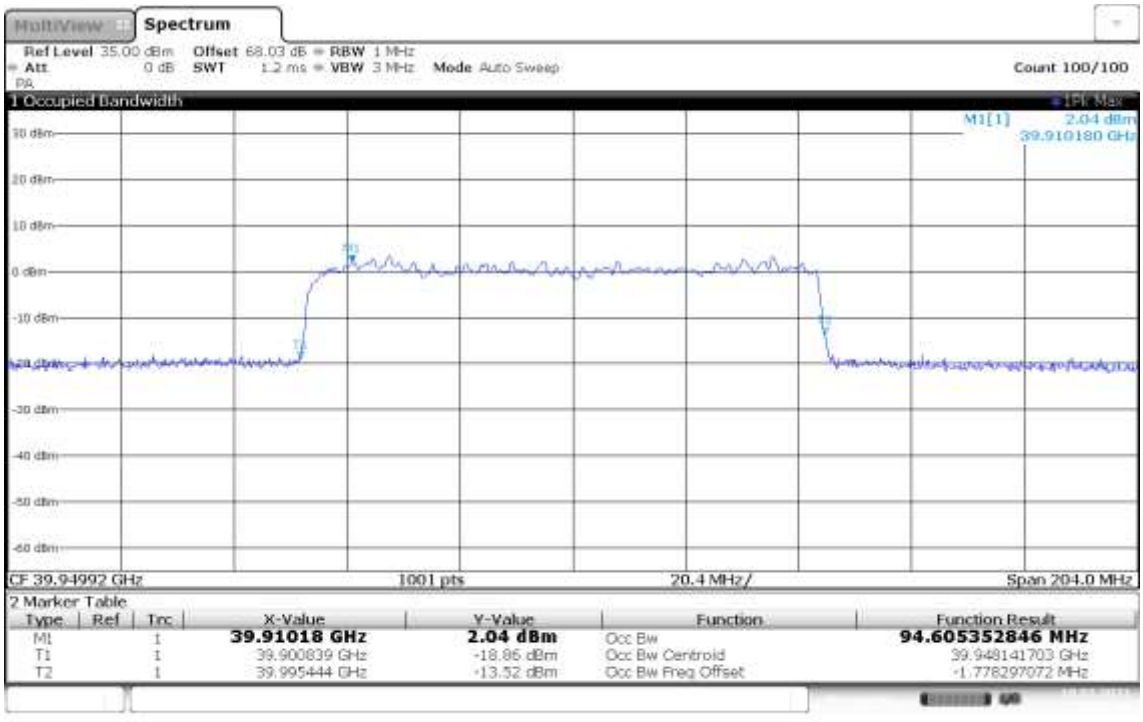


16:51:59 18.07.2021

HIGH CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
39949.92	QPSK	16QAM	64QAM
	94.61	/	/

n260, 100MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)



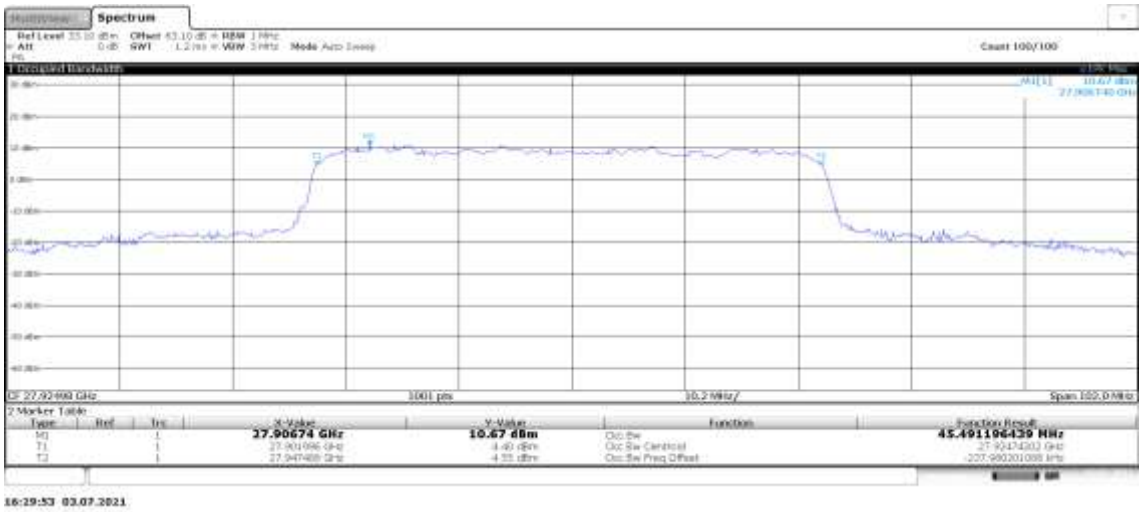
17:25:36 18.07.2021

n261, 50MHz (99%)

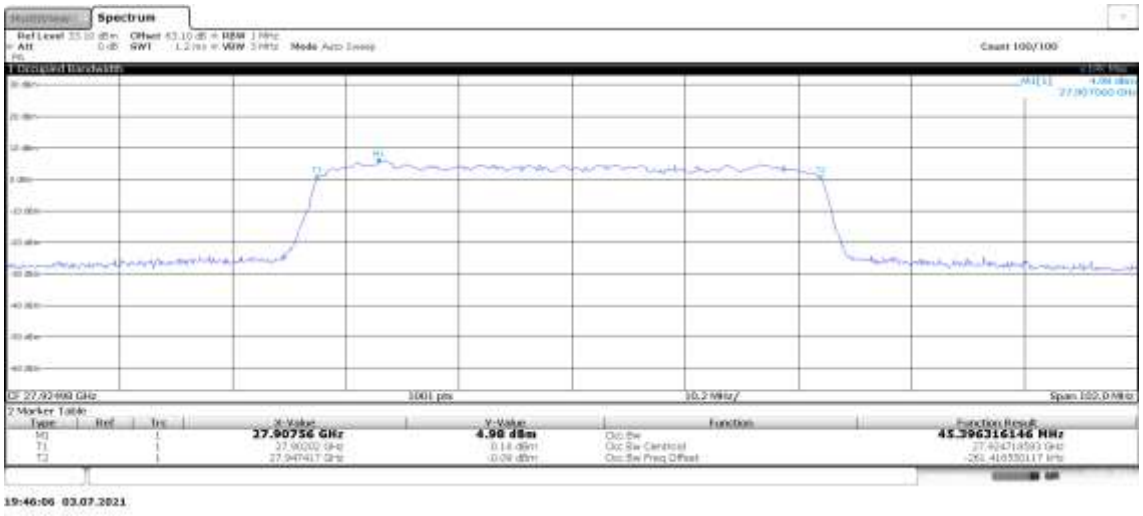
MID CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27924.96	QPSK	16QAM	64QAM
	45.49	45.39	45.21

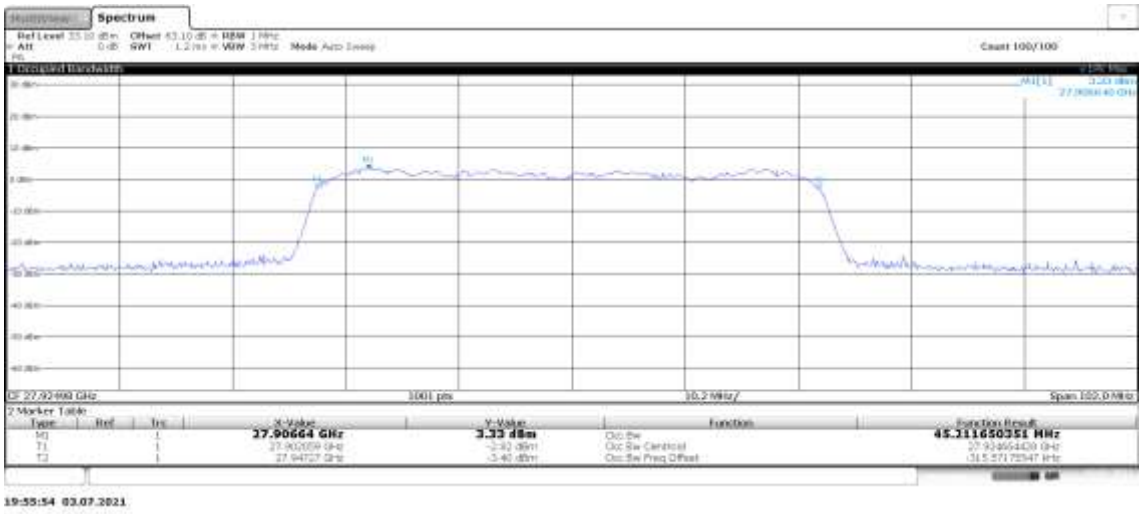
n261, 50MHz Bandwidth, MID CHANNEL, QPSK (99% BW)



n261, 50MHz Bandwidth, MID CHANNEL, 16QAM (99% BW)



n261, 50MHz Bandwidth, MID CHANNEL, 64QAM (99% BW)



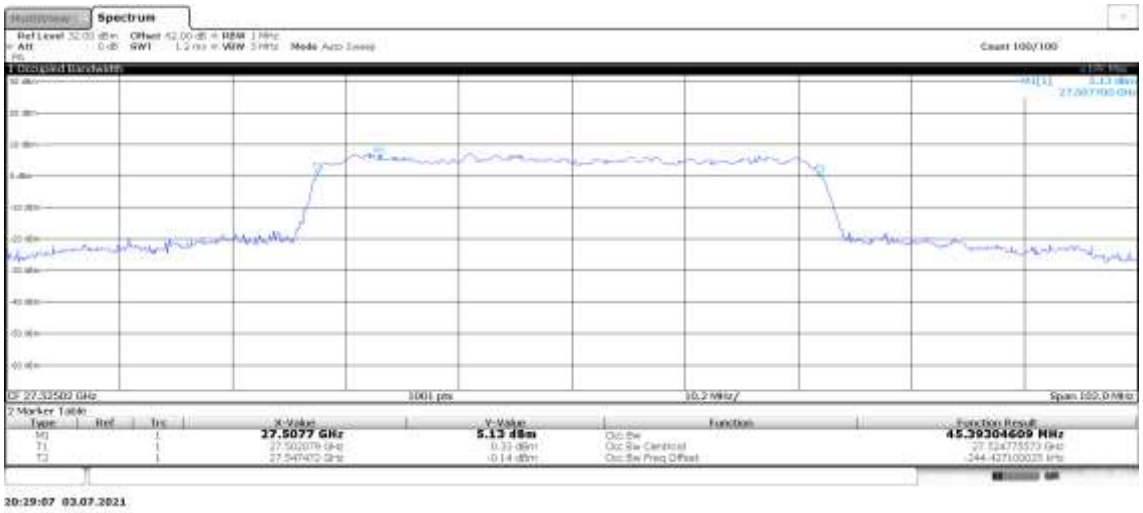
Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n261, 50MHz (99%)

LOW CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27525	QPSK	16QAM	64QAM
	45.39	/	/

n261, 50MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

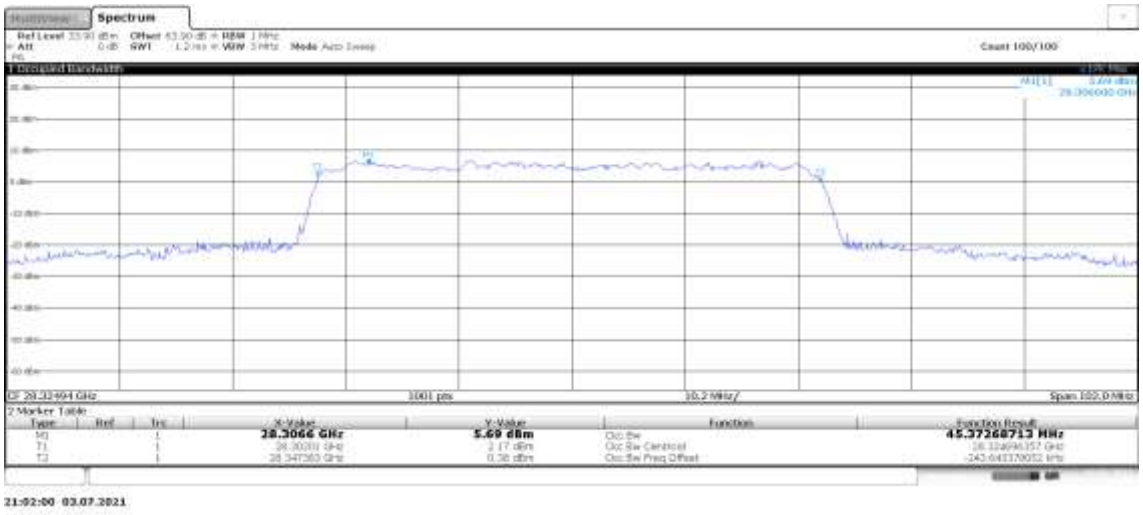


n261, 50MHz (99%)

HIGH CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
28324.92	QPSK	16QAM	64QAM
	45.37	/	/

n261, 50MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)

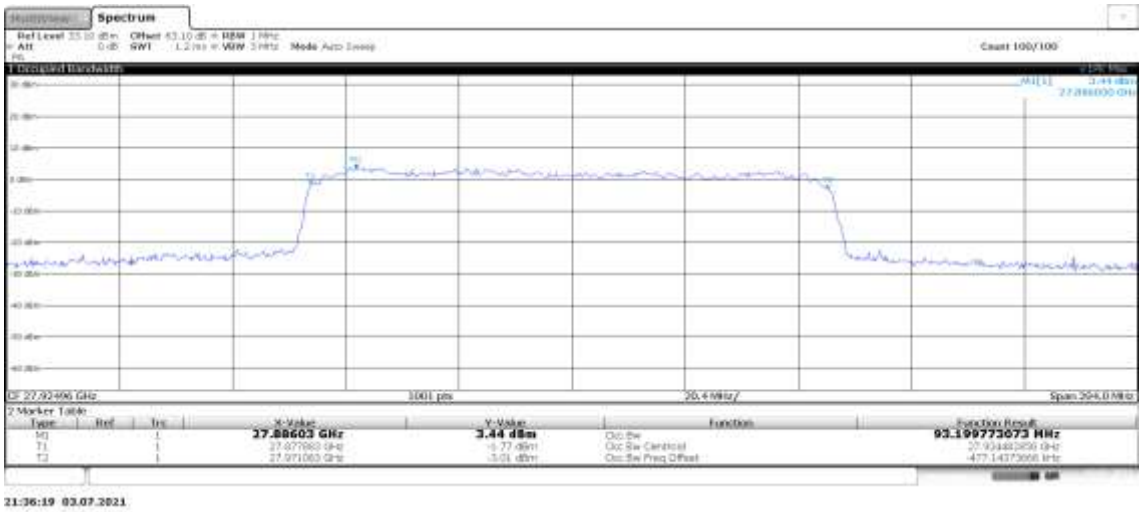


n261, 100MHz (99%)

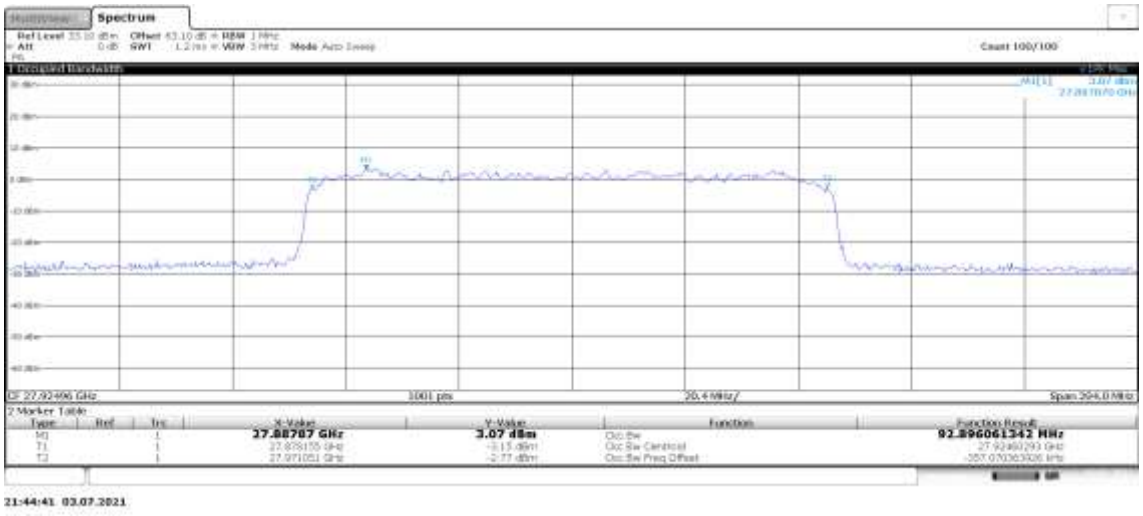
MID CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27924.96	QPSK	16QAM	64QAM
	93.19	92.89	93.03

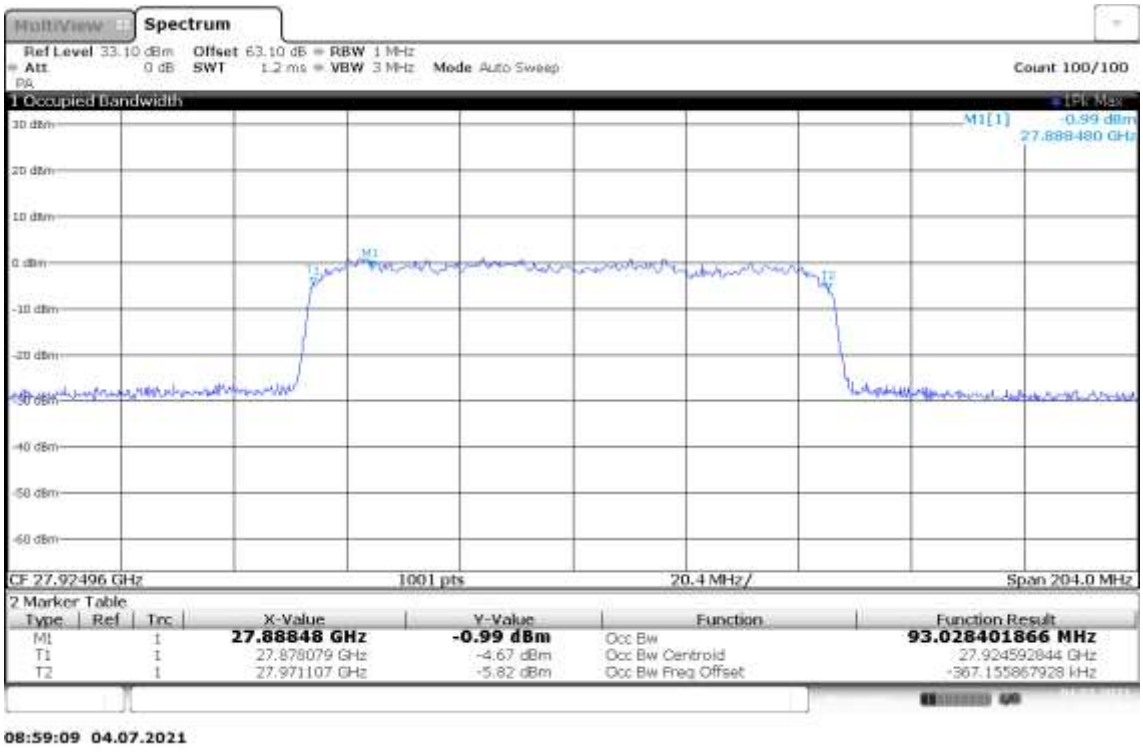
n261, 100MHz Bandwidth, MID CHANNEL, QPSK (99% BW)



n261, 100MHz Bandwidth, MID CHANNEL, 16QAM (99% BW)



n261, 100MHz Bandwidth, MID CHANNEL, 64QAM (99% BW)



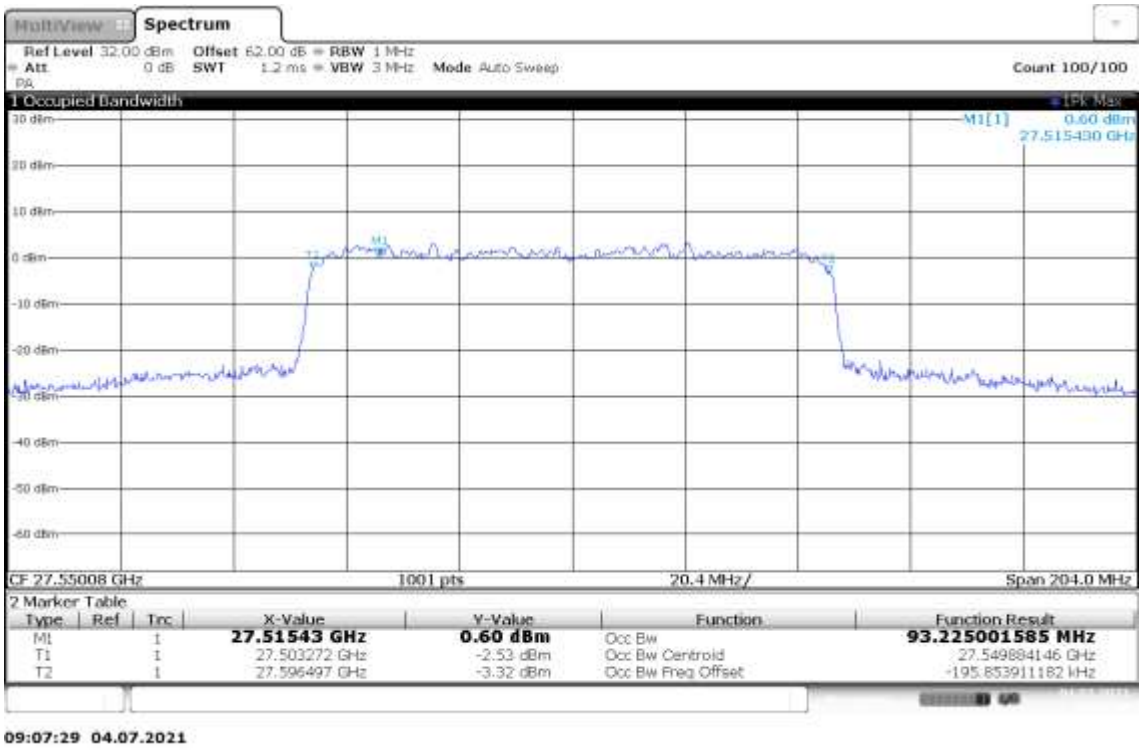
Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n261, 100MHz (99%)

LOW CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27550.08	QPSK	16QAM	64QAM
	93.23	/	/

n261, 100MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

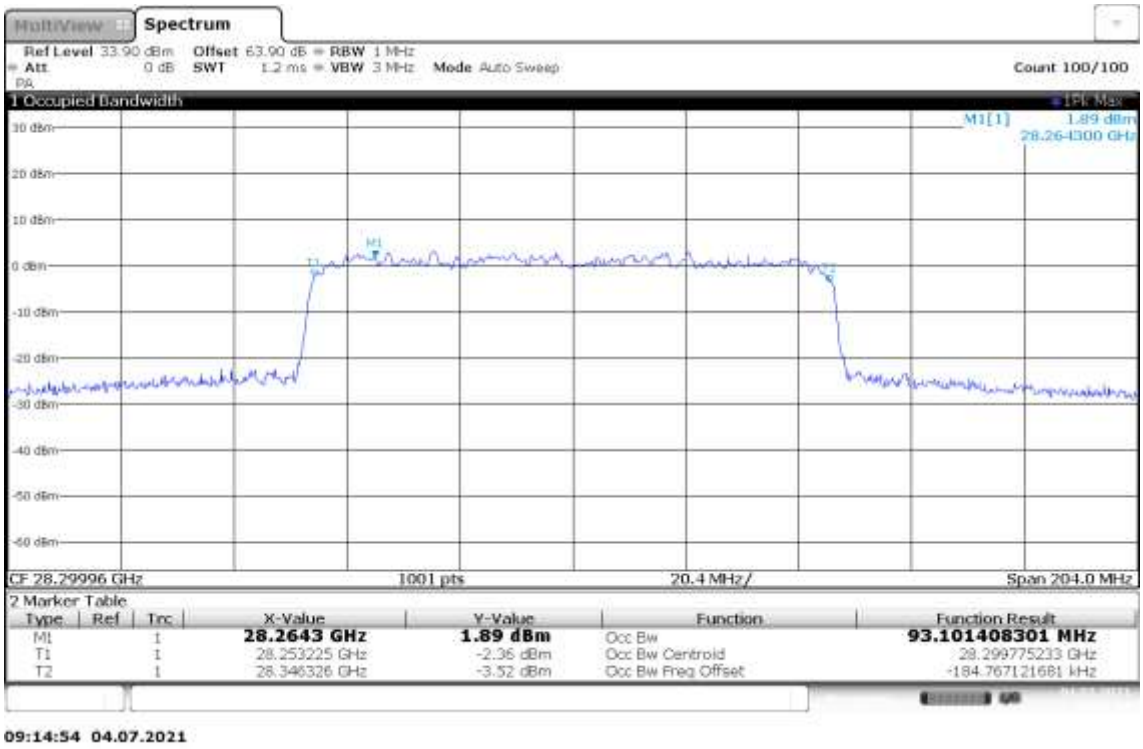


n261, 100MHz (99%)

HIGH CHANNEL

Module0, CP-OFDM			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
28299.96	QPSK	16QAM	64QAM
	93.10	/	/

n261, 100MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)

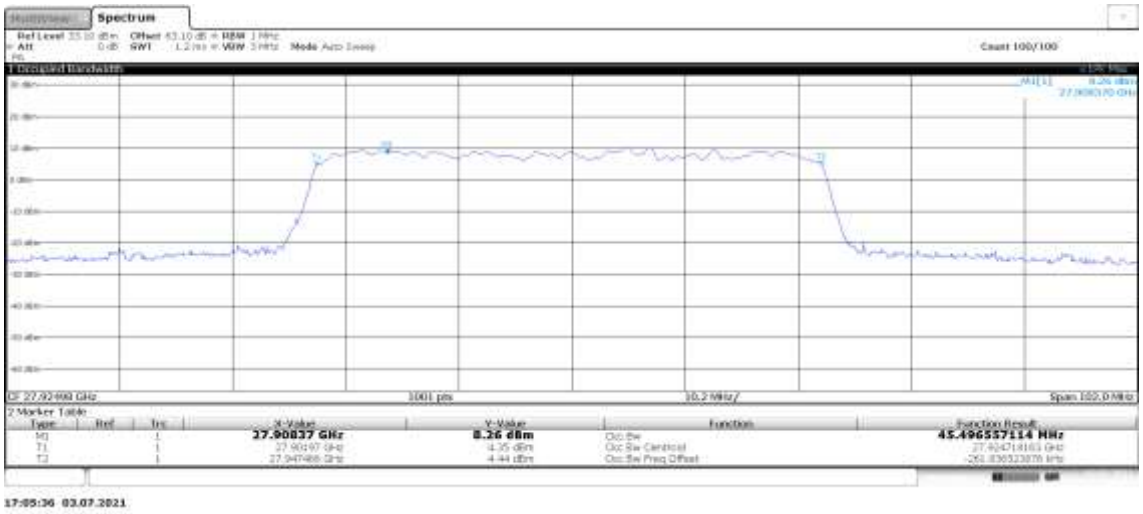


n261, 50MHz (99%)

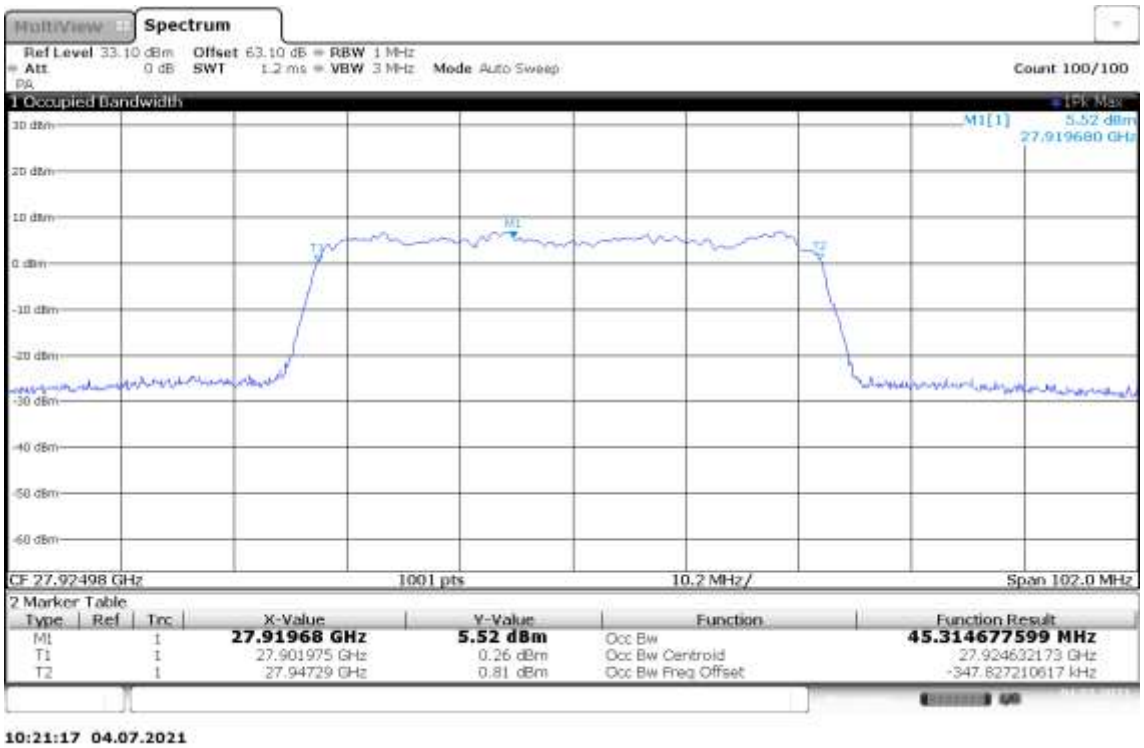
MID CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27924.96	QPSK	16QAM	64QAM
	45.49	45.31	45.36

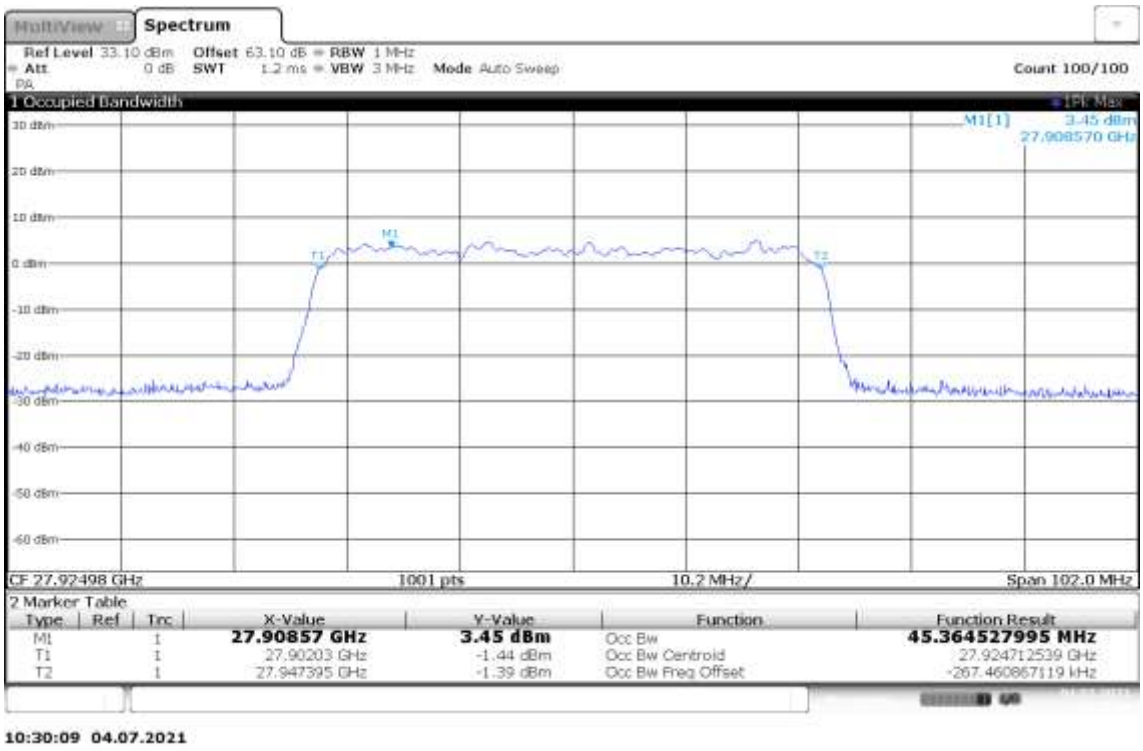
n261, 50MHz Bandwidth, MID CHANNEL,QPSK (99% BW)



n261, 50MHz Bandwidth, MID CHANNEL,16QAM (99% BW)



n261, 50MHz Bandwidth, MID CHANNEL, 64QAM (99% BW)



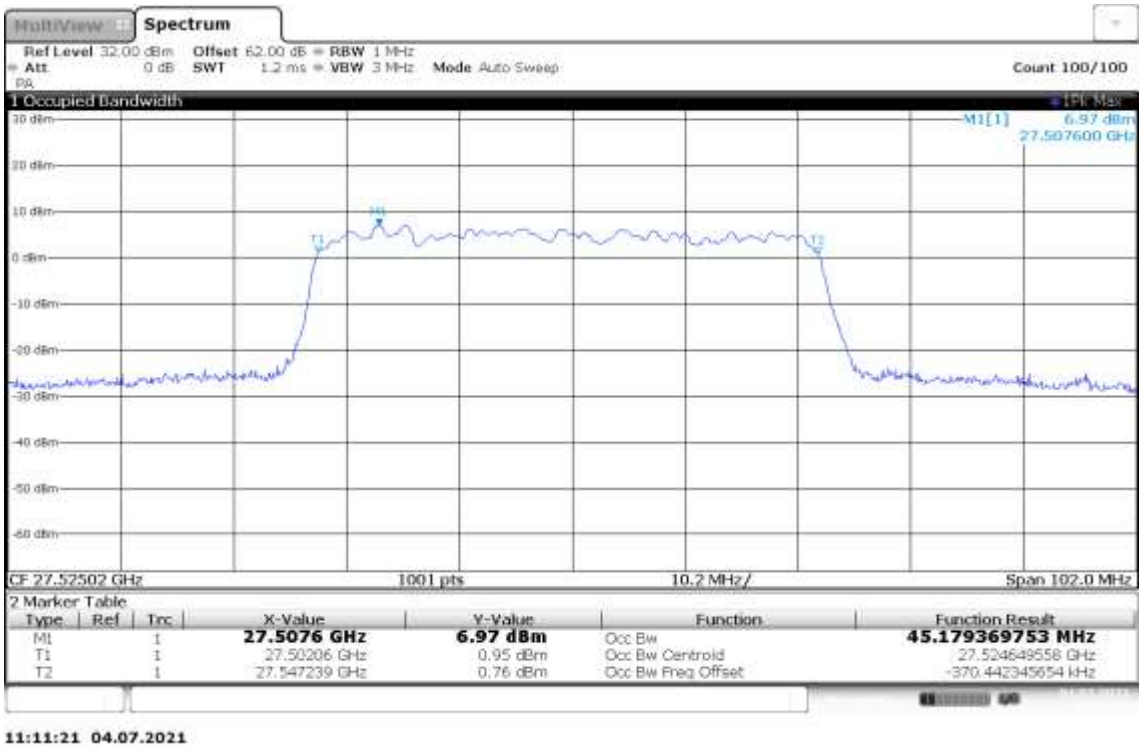
Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n261, 50MHz (99%)

LOW CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27525	QPSK	16QAM	64QAM
	45.18	/	/

n261, 50MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)



n261, 50MHz (99%)

HIGH CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
28324.92	QPSK	16QAM	64QAM
	45.14	/	/

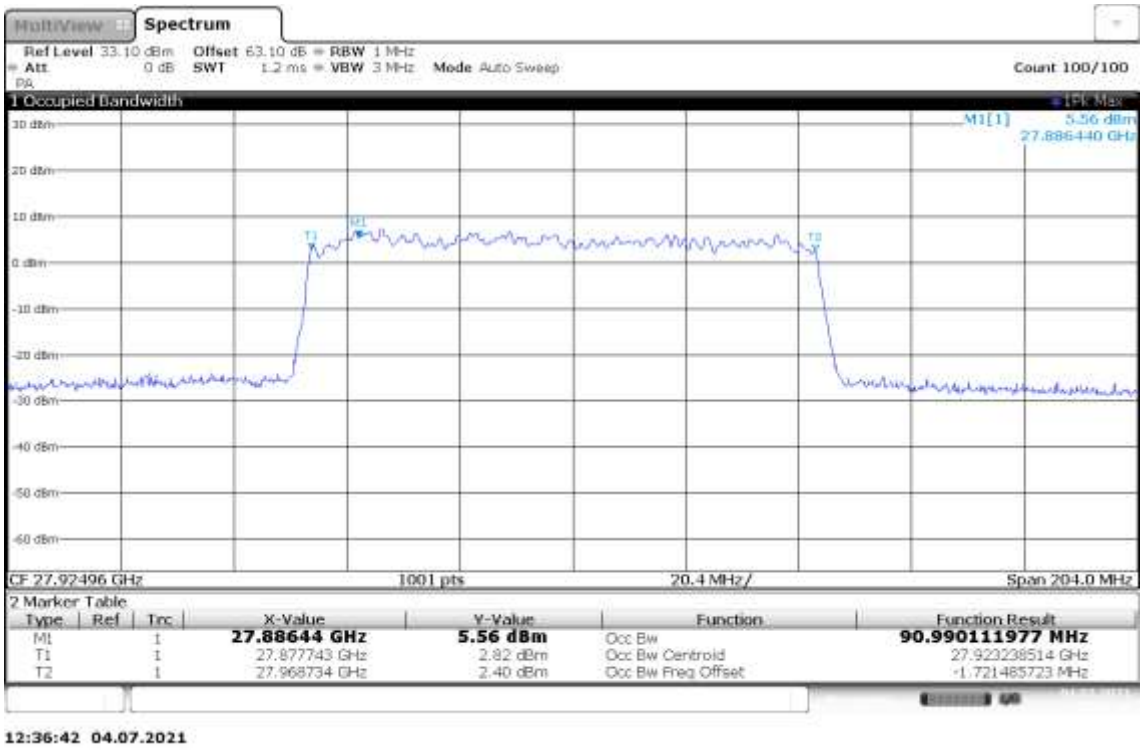
n261, 50MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)

n261, 100MHz (99%)

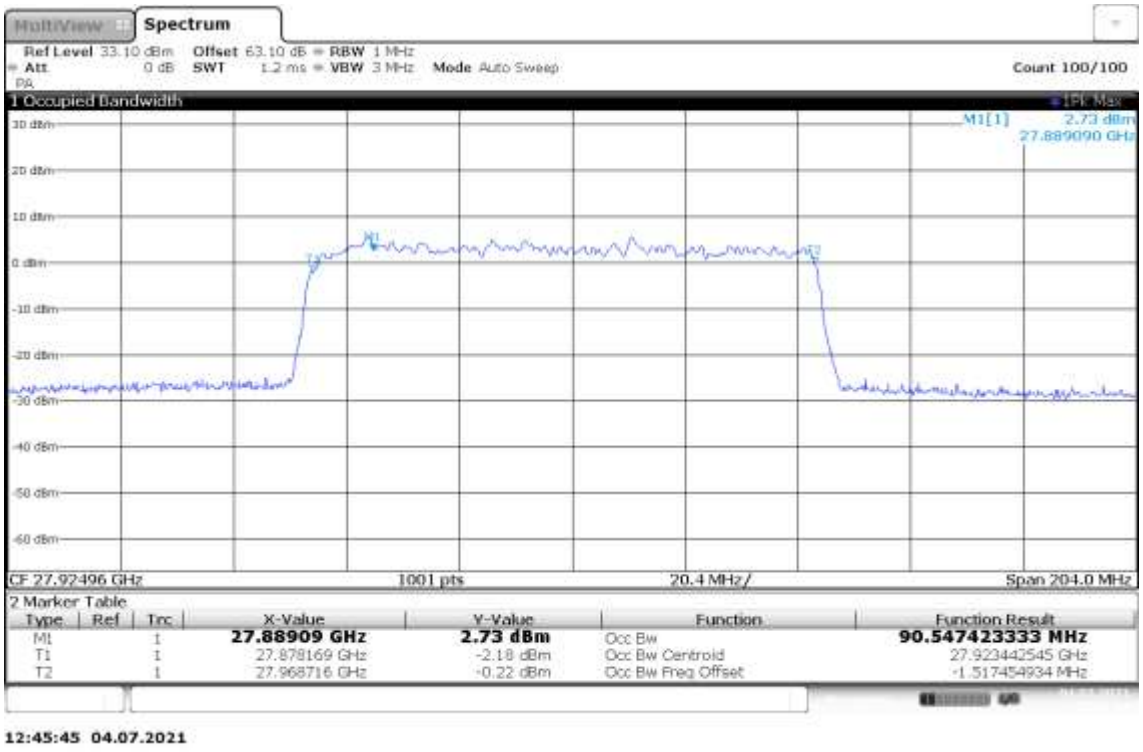
MID CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27924.96	QPSK	16QAM	64QAM
	90.99	90.55	90.45

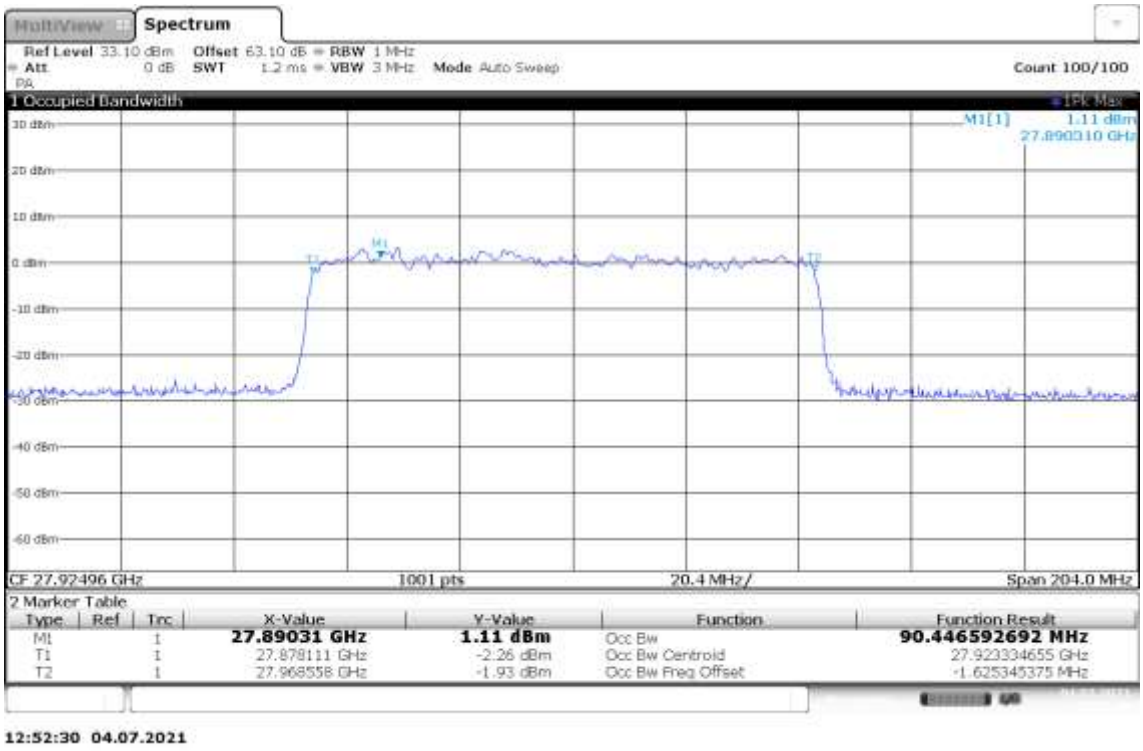
n261, 100MHz Bandwidth, MID CHANNEL, QPSK (99% BW)



n261, 100MHz Bandwidth, MID CHANNEL, 16QAM (99% BW)



n261, 100MHz Bandwidth, MID CHANNEL, 64QAM (99% BW)



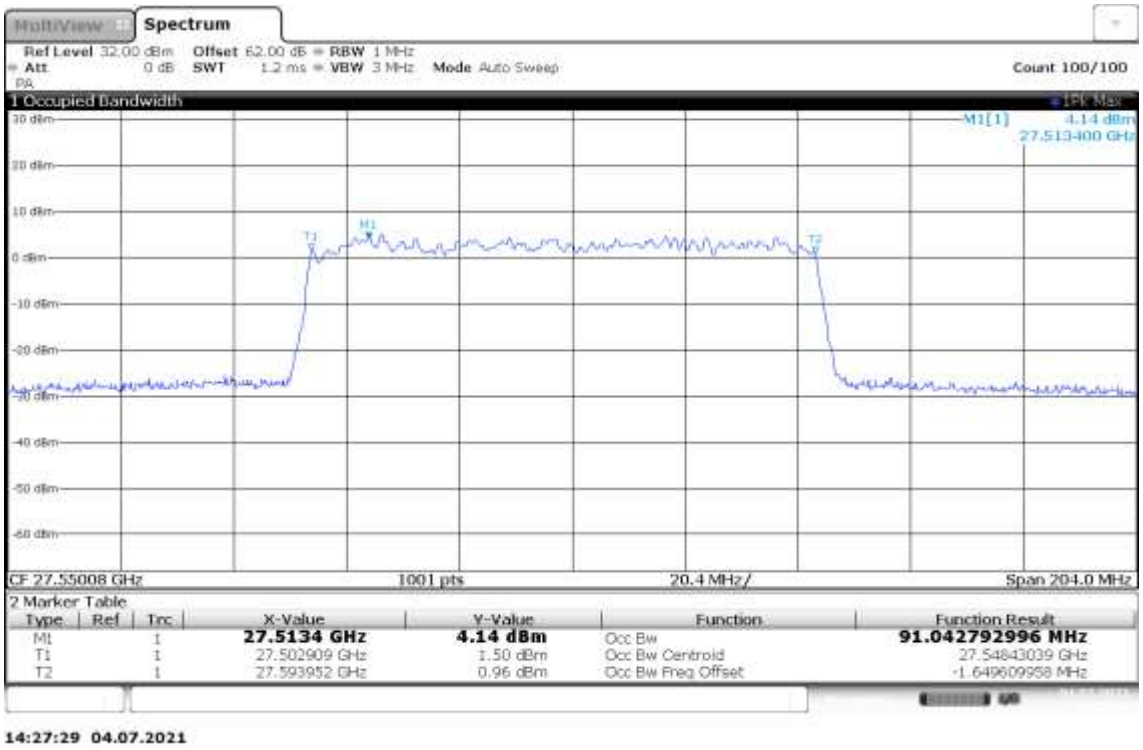
Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n261, 100MHz (99%)

LOW CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27550.08	QPSK	16QAM	64QAM
	91.04	/	/

n261, 100MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

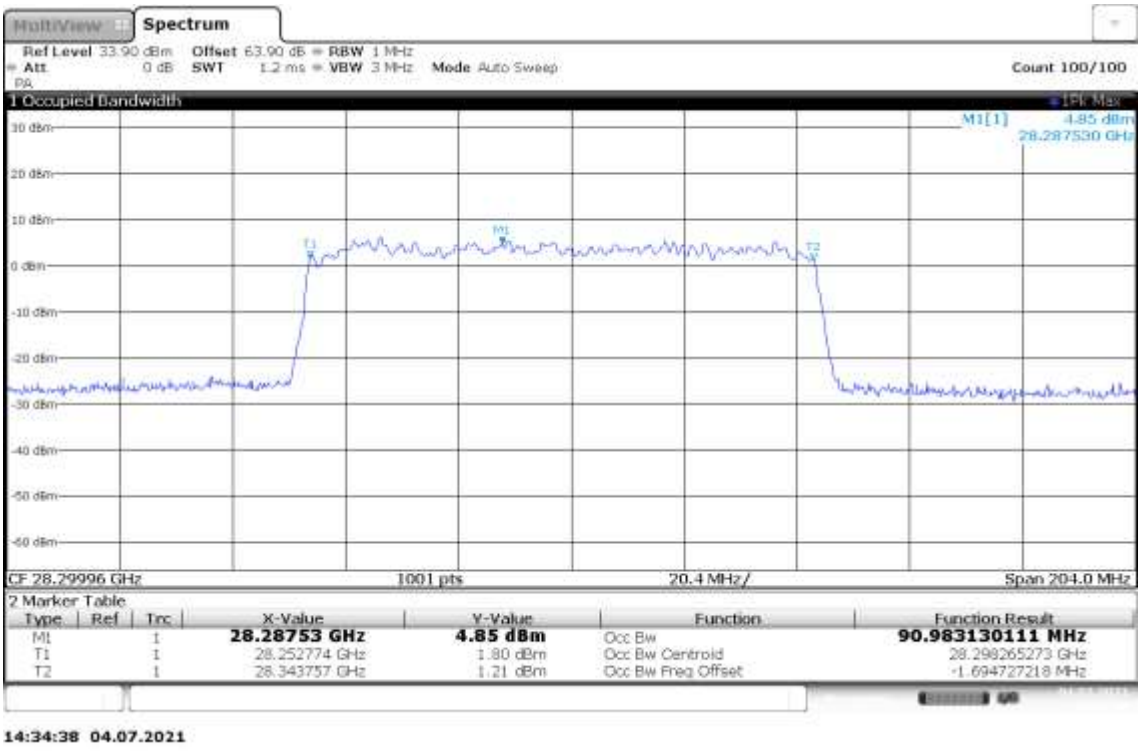


n261, 100MHz (99%)

HIGH CHANNEL

Module0, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
28299.96	QPSK	16QAM	64QAM
	90.98	/	/

n261, 100MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)



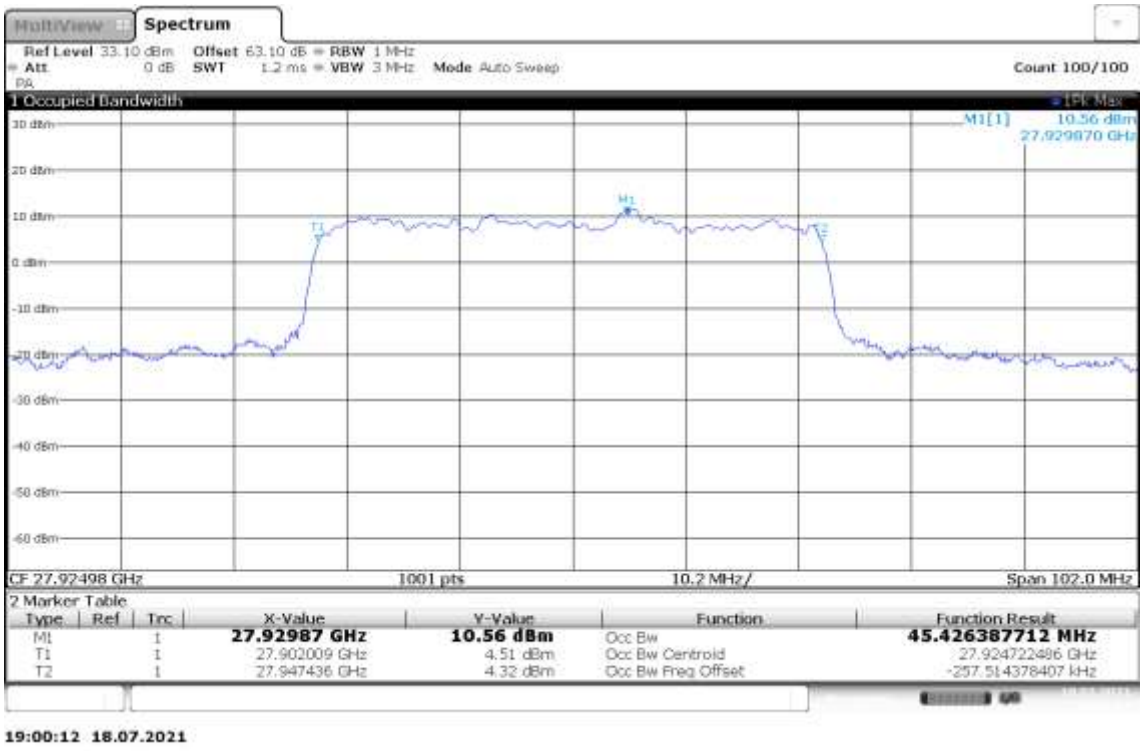
NOTE: Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n261, 50MHz (99%)

MID CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27924.96	QPSK	16QAM	64QAM
	45.43	/	/

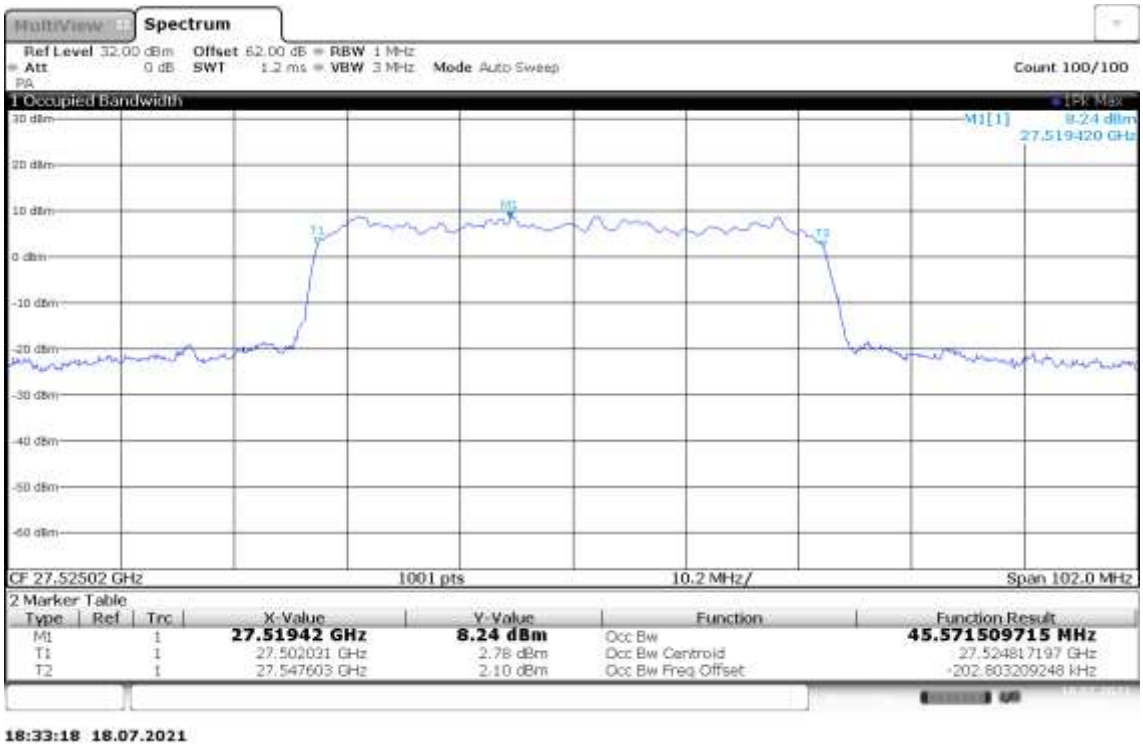
n261, 50MHz Bandwidth, MID CHANNEL, QPSK (99% BW)



LOW CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27525	QPSK	16QAM	64QAM
	45.57	/	/

n261, 50MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

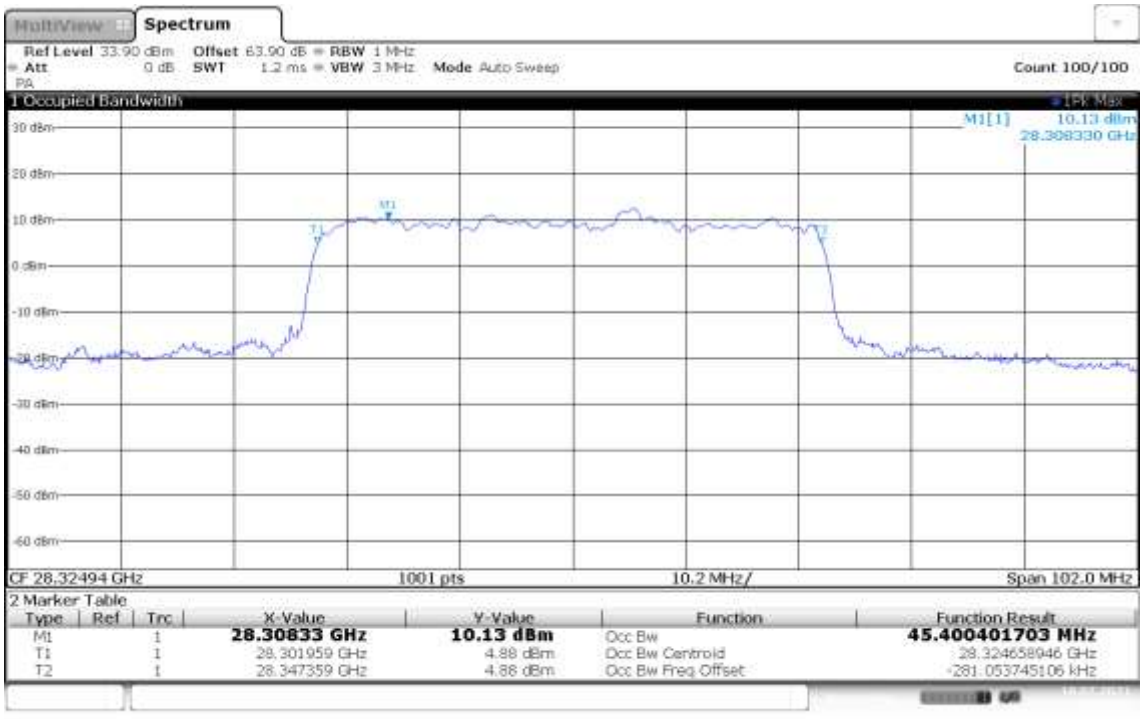


18:33:18 18.07.2021

HIGH CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
28324.92	QPSK	16QAM	64QAM
	45.40	/	/

n261, 50MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)



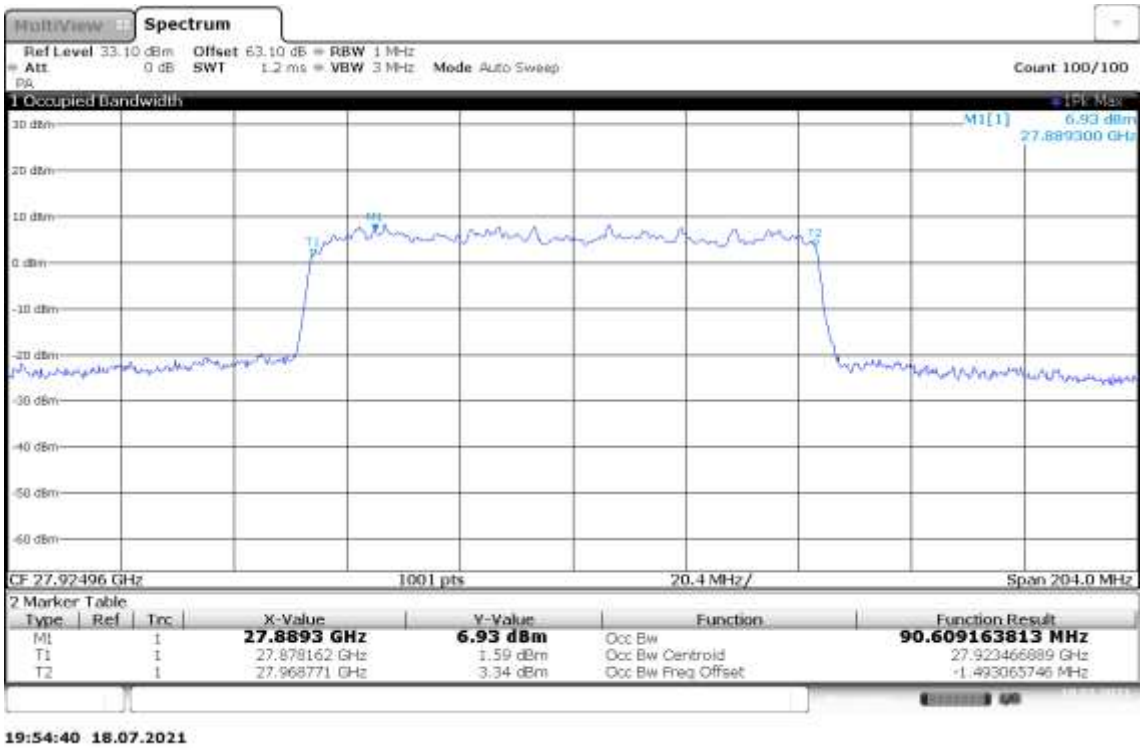
19:23:50 18.07.2021

n261, 100MHz (99%)

MID CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27924.96	QPSK	16QAM	64QAM
	90.61	/	/

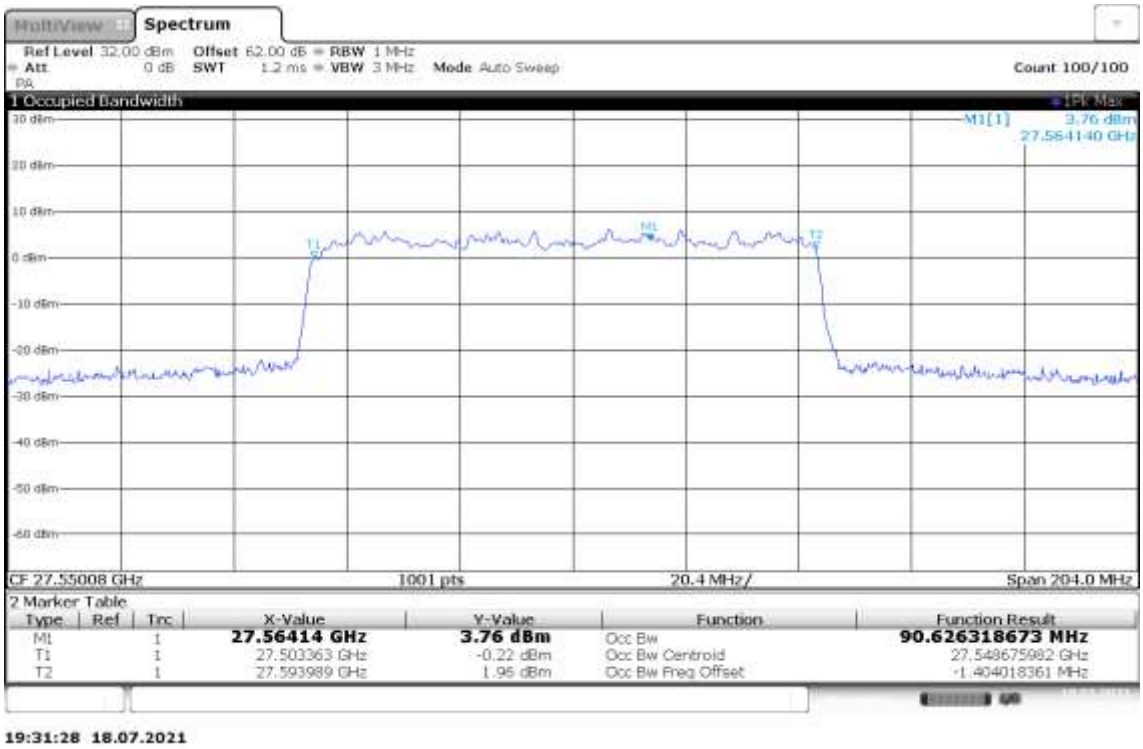
n261, 100MHz Bandwidth, MID CHANNEL, QPSK (99% BW)



LOW CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
27550.08	QPSK	16QAM	64QAM
	90.63	/	/

n261, 100MHz Bandwidth, LOW CHANNEL, QPSK (99% BW)

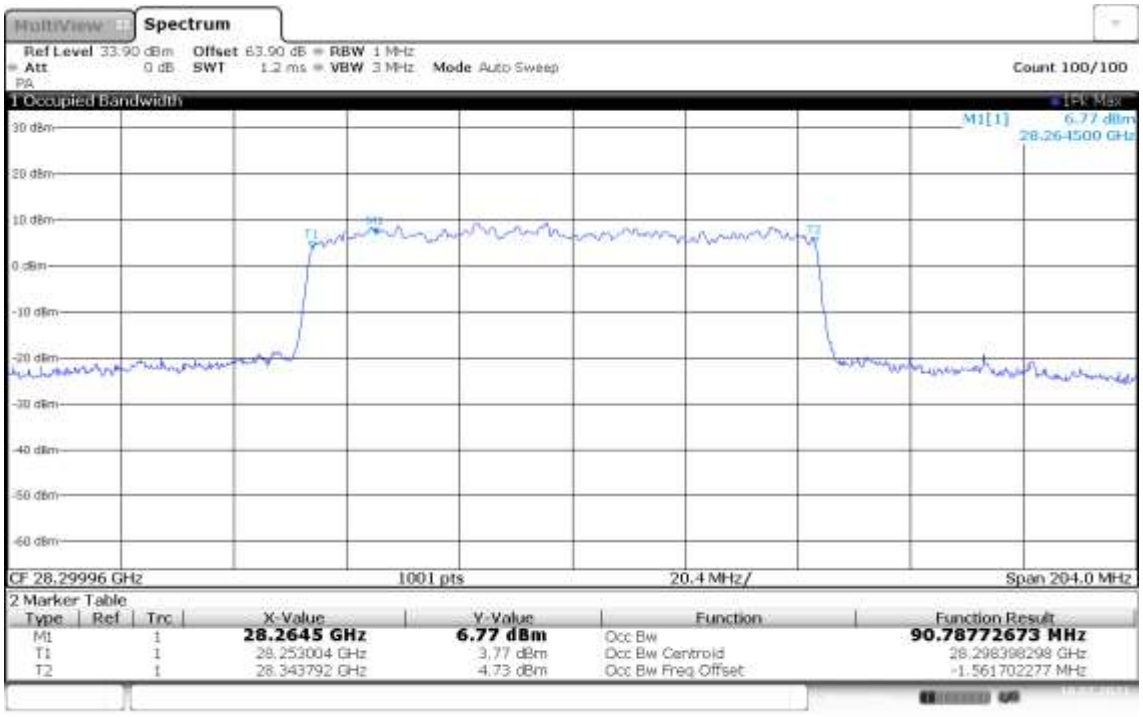


19:31:28 18.07.2021

HIGH CHANNEL

Module1, PUSCH DFT			
Frequency(MHz)	Occupied Bandwidth (99%) (MHz)		
28299.96	QPSK	16QAM	64QAM
	90.79	/	/

n261, 100MHz Bandwidth, HIGH CHANNEL, QPSK (99% BW)



20:02:12 18.07.2021