





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:

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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

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REPORT HISTORY

| Report Number | Revision | Description | Issue Date |
|-----------------|----------|-------------------------|------------|
| I21Z61209-EMC01 | Rev.0 | 1 st edition | 2021-07-23 |
| I21Z61209-EMC01 | Rev.1 | P96, modified the | 2021-09-23 |
| | | editing error | |
| I21Z61209-EMC01 | Rev.2 | modified the editing | 2021-10-08 |
| | | error for unit of | |
| | | occupied bandwidth | |
| I21Z61209-EMC01 | Rev.3 | Added the information | 2021-11-10 |
| | | 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. | |
| I21Z61209-EMC01 | Rev.4 | Added the output | 2021-11-12 |
| | | power plots in the test | |
| | | report. | |

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





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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. <u>Testing Environment</u>

| 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

张 颖

Zhang Ying (Prepared this test report)

An Hui (Reviewed this test report)



Zhang Xia (Approved this test report)





2. <u>Client Information</u>

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: | 1 | | | |





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, ple original test record of CTTI | ease refer to documents of the manufacturer; it is also included in the |

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 |
| Manufact | urer | HUIZHOU DXDRAGON INC |
| Capacita | nce | 4400mAh |
| Rated Vo | ltage | 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. <u>Reference Documents</u>

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 | 2015 |
| | Transmitters Used in Licensed Radio Services | |
| 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:

| Teneneneture | |
|-------------------------------------------------------|----------------------------------------|
| 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

n261

| 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.

| 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

| Р | 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. <u>Measurement Uncertainty</u>

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 | SCHWARZB ECK | 2021-08-27 | 1 year |
| 4 | Antenna | 3116 | 2661 | ETS-Lindgre n | 2022-01-05 | 1 year |
| 5 | Upconverter(50GHz-75G Hz) | SMZ-75 | 101309 | R&S | 2022-01-14 | 1 year |
| 6 | Upconverter(75GHz-110 GHz) | SMZ-110 | 101357 | R&S | 2022-01-14 | 1 year |
| 7 | Upconverter(110GHz-17 0GHz)/ | 82406B | ZEI00141 | Ceyear | 2022-02-04 | 1 year |
| 8 | Upconverter(170GHz-22 0GHz)/ | 82406C | ZEI00164 | Ceyear | 2022-02-04 | 1 year |
| 9 | Spectrum Analyzer | FSW67 | 103290 | R&S | 2022-02-04 | 1 year |
| 10 | (downconverter)Harmoni c Mixer(60GHz-90GHz) | FS-Z90 | 101655 | R&S | 2022-02-04 | 1 year |
| 11 | (downconverter)Harmoni c Mixer(75GHz-110GHz) | FS-Z110 | 101463 | R&S | 2022-01-19 | 1 year |
| 12 | (downconverter)Harmoni c Mixer(110GHz-170GHz)/ | FS-Z170 | 101008 | R&S | 2022-02-17 | 1 year |
| 13 | (downconverter)Harmoni c 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.

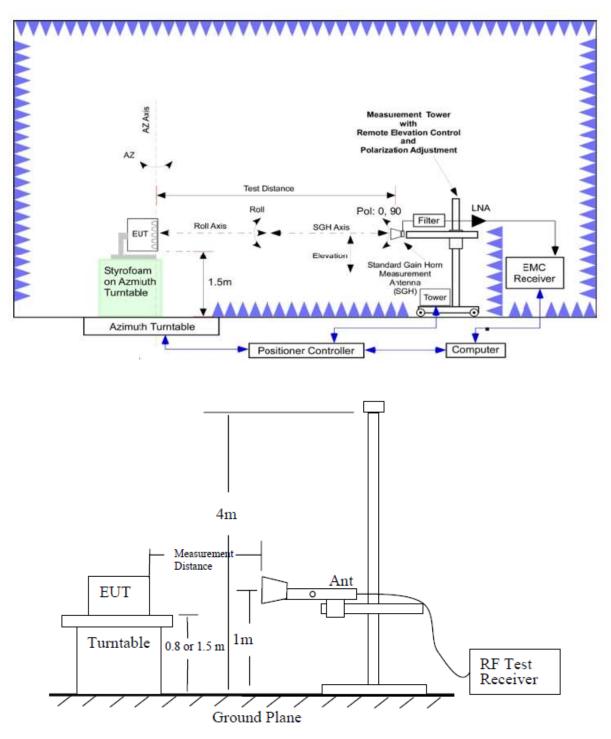
The EIRP measurement used integration method and the bandwidth is 100MHz.

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.

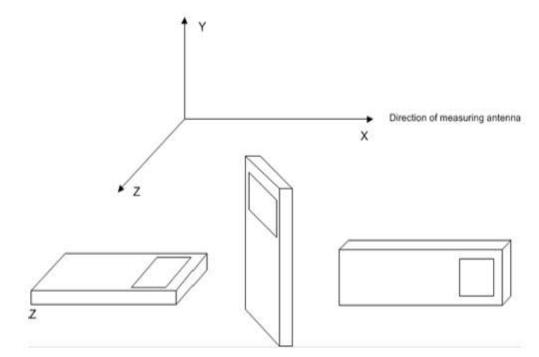












The emission characteristics of the EUT can be identified from the pre-scan measurement information.

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=120I | kHz, CP-OFDM | | |
|-----------|----------------|----------------------|--------------|-------|-------|
| Bandwidth | RB size/offset | ower (dBm) | | | |
| | | | QPSK | 16QAM | 64QAM |
| | | 37025.04 | 16.20 | / | / |
| | 100% RB | 38499.96 | 18.30 | 16.70 | 15.05 |
| | | 39975 | 20.38 | / | / |
| 50MHz | | 37025.04 | 18.14 | / | / |
| | 1RB | 38499.96 | 20.58 | 19.95 | 17.39 |
| | | 39975 | 21.51 | / | / |
| | | 37050 | 18.27 | / | / |
| | 100% RB | 38499.96 | 17.59 | 16.65 | 13.35 |
| | | 39949.92 | 20.29 | / | / |
| 100MHz | | 37050 | 18.89 | / | / |
| | 1RB | 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=120kl | Hz,PUSCH DF1 | - | | |
|-----------|----------------|--------------------------------------------|--------------|-------|-------|--|
| Bandwidth | RB size/offset | RB size/offset Frequency (MHz) Power (dBm) | | | | |
| | | | QPSK | 16QAM | 64QAM | |
| | | 37025.04 | 20.71 | / | / | |
| | 100% RB | 38499.96 | 20.01 | 18.39 | 15.42 | |
| | | 39975 | 22.15 | / | / | |
| 50MHz | | 37025.04 | 22.48 | / | / | |
| | 1RB | 38499.96 | 22.15 | 19.74 | 17.67 | |
| | | 39975 | 24.24 | / | / | |
| | | 37050 | 20.24 | / | / | |
| | 100% RB | 38499.96 | 20.19 | 18.74 | 15.92 | |
| 1000411- | | 39949.92 | 22.06 | / | / | |
| 100MHz | | 37050 | 22.85 | / | / | |
| | 1RB | 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 | th RB size/offset Frequency (MHz) Power (dBm) | | | | | | |
| | | | QPSK | 16QAM | 64QAM | | |
| | | 37025.04 | 12.36 | / | / | | |
| | 100% RB | 38499.96 | 10.61 | / | / | | |
| | | 39975 | 10.59 | / | / | | |
| 50MHz | | 37025.04 | 12.38 | / | / | | |
| | 1RB | 38499.96 | 12.41 | / | / | | |
| | | 39975 | 13.22 | / | / | | |
| | | 37050 | 10.27 | / | / | | |
| | 100% RB | 38499.96 | 12.05 | / | / | | |
| 1000411- | | 39949.92 | 10.65 | / | / | | |
| 100MHz | | 37050 | 12.71 | / | / | | |
| | 1RB | 38499.96 | 12.85 | / | / | | |
| | | 39949.92 | 12.78 | / | / | | |





1

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.

| | n26 ⁻ | 1, Module0, SCS=120k | Hz,CP-OFDM | | | |
|-----------|------------------|----------------------------------------|------------|-------|-------|--|
| Bandwidth | RB size/offset | ize/offset Frequency (MHz) Power (dBm) | | | | |
| | | | QPSK | 16QAM | 64QAM | |
| | | 27525 | 12.12 | / | / | |
| | 100% RB | 27924.96 | 11.85 | 10.68 | 8.52 | |
| | | 28324.92 | 12.03 | / | / | |
| 50MHz | | 27525 | 13.34 | / | / | |
| | 1RB | 27924.96 | 12.41 | 11.62 | 9.45 | |
| | | 28324.92 | 12.37 | / | / | |
| | | 27550.08 | 11.09 | / | / | |
| | 100% RB | 27924.96 | 11.98 | 10.94 | 8.95 | |
| | | 28299.96 | 11.12 | / | / | |
| 100MHz | | 27550.08 | 12.07 | / | / | |
| | 1RB | 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) | P | ower (dBm) | |
| | | | QPSK | 16QAM | 64QAM |
| | | 27525 | 11.78 | / | / |
| | 100% RB | 27924.96 | 15.07 | 12.13 | 10.06 |
| | | 28324.92 | 12.58 | / | / |
| 50MHz | 1RB | 27525 | 14.20 | / | / |
| | | 27924.96 | 14.44 | 12.65 | 11.90 |
| | | 28324.92 | 14.65 | / | / |
| | 100% RB | 27550.08 | 12.59 | / | / |
| | | 27924.96 | 14.52 | 12.74 | 10.68 |
| 1001411- | | 28299.96 | 13.48 | / | / |
| 100MHz | | 27550.08 | 14.95 | / | / |
| | 1RB | 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 | | | | |
| | | 27525 | 13.62 | / | / | | | | |
| | 100% RB | 27924.96 | 15.56 | / | / | | | | |
| | | 28324.92 | 16.39 | / | / | | | | |
| 50MHz | | 27525 | 15.75 | / | / | | | | |
| | 1RB | 27924.96 | 18.01 | / | / | | | | |
| | | 28324.92 | 19.23 | / | / | | | | |
| | | 27550.08 | 13.68 | / | / | | | | |
| | 100% RB | 27924.96 | 15.73 | / | / | | | | |
| 4001411 | | 28299.96 | 16.93 | / | / | | | | |
| 100MHz | | 27550.08 | 15.86 | / | / | | | | |
| | 1RB | 27924.96 | 18.19 | / | / | | | | |
| | | 28299.96 | 19.47 | / | / | | | | |





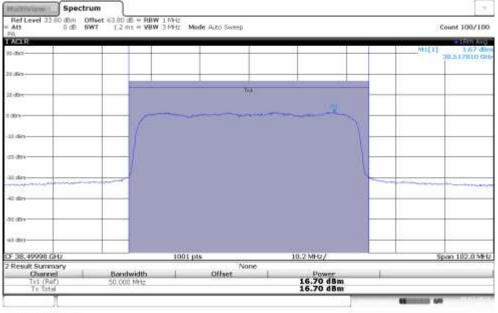
| n260, Module0, SCS=120kHz, CP-OFDM | | | | | | |
|------------------------------------|----------------|-----------------|-------------|-------|-------|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | |
| | | | QPSK | 16QAM | 64QAM | |
| 50MHz | 100% RB | 38499.96 | 18.30 | 16.70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

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

| 10 (8) 11 (8) 11 (8) 11 (8) 12 (8) 12 (8) 13 (8) 14 (8) 15 (8) 15 (8) 16 (8) 17 (8) | 0.09 48 30,461940 03 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| | |
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| 5 dm | |
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| 1 dan | _ |
| | |
| 1.001 | |
| 38.49998 GHz 1001 pts 10.2 MHz/ Sg | an 102.0 MH |

20:09:29 10.07.2021

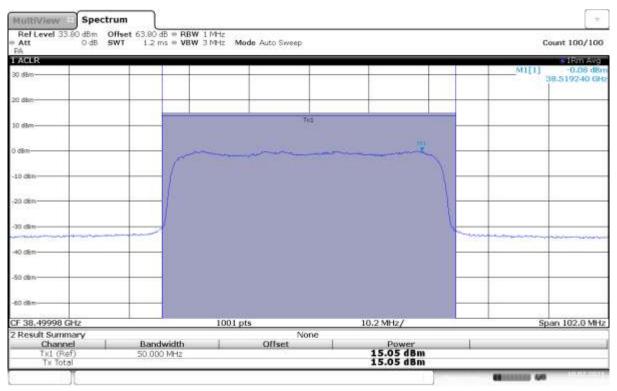
n260, Module0, 50MHz Bandwidth, 100% RB, MID CHANNEL, 16QAM



20:15:09 10.07.2021







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

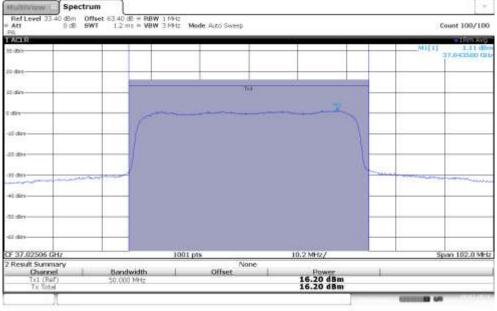
17:14:30 10.07.2021





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

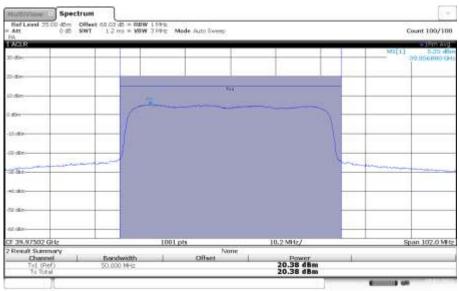
n260, Module0, 50MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



20:23:28 10.07.2021

| 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



18:39:09 10.07.2021

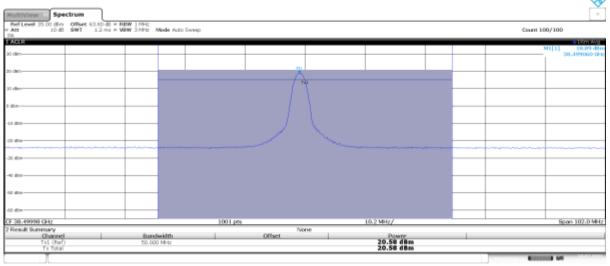
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| n260, Module0, SCS=120kHz, CP-OFDM | | | | | | |
|------------------------------------|----------------|-----------------|-------------|-------|-------|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | |
| | | | QPSK | 16QAM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

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



16:51:15 10.07.2021

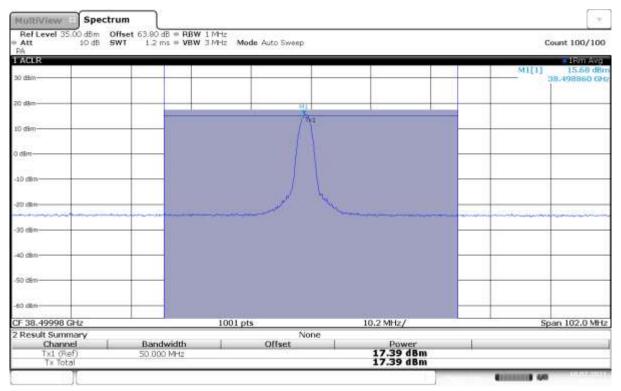
n260, Module0, 50MHz Bandwidth, 1RB, MID CHANNEL, 16QAM

| | | 0.000-0-000-0.004 | | | = 1Rm Avg |
|----------------------------|------|-------------------------------------------|-----------|-------|--------------------------|
| au dam- | | | | M1[1] | 18.55 dB 38.498860 GF |
| 0 dam | | MA AND AND AND AND AND AND AND AND AND AN | | | |
| 0 dBm | | 1 | | | - |
|) dBm | | | | | |
| 10 dBm | | | | | |
| 20 dBm | | \nearrow | ~ | | |
| 90 dBm | | | | | |
| 1204211 | | | | | - |
| +D dBm+ | | | | | |
| AMAPPE 2010 | | | | | |
| 40 dBm 50 dBm 60 dBm | | | | | |
| 50 dBm | 1001 | pts | 10.2 MHz/ | | ipan 102.0 MH |

16:58:43 10.07.2021







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

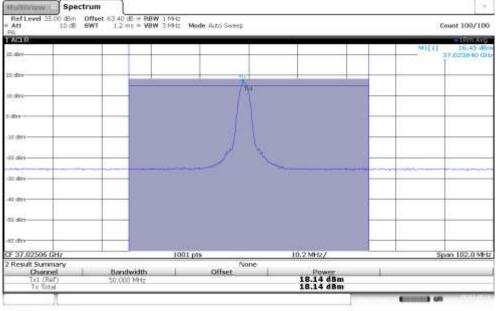
17:07:35 10.07.2021





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

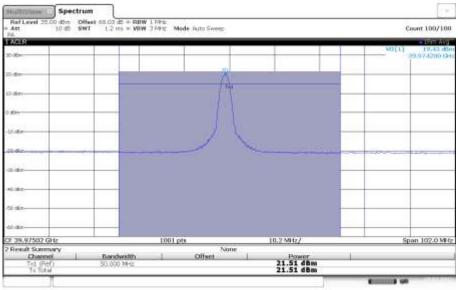
n260, Module0, 50MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



17:34:04 10.07.2021

| 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



17:52:12 10.07.2021

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| 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

| dist- | | 1 | | | MI[1] -0.72 de |
|----------------------|---|----------|-------|--------|----------------|
| | | | | | 38.536640 G |
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| in the second second | - | | | | |
| | | | | | |
| Sn | | | | | |
| Sm | | | | | |
| Bix | | | | | |
| | | 1001 pts | 445 | i MHZ/ | Span 204.0 M |



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



20:47:36 10.07.2021





| MultiView | Spectrum | | | | | | | | |
|----------------------------|------------------------|--------------------------------|---------|---------------|----|---------------------------------|---|-------------|---------------------------------|
| RefLevel 33.0 Att PA | 0dBm Offset 0dB SWT | 63.90 dB = RBW 1.2 ms = VBW | | de Auto Sweep | | | | c | ount 100/100 |
| 1 ACLR | | | | | | | | | e 1Rm Avg |
| 30 dām | | | | | | | | M1[1] | -4.70 dBn 38.514630 GHs 1 |
| 20 d8m | | | | | | | _ | | |
| 10 dēm | | | | to a | | to its | | | |
| 0 dBm | | | | | | - | | | |
| -10 dbm | | -5 | ~~~~~~ | | | month | | | |
| -20 d6m- | | | | | | | | | |
| -30 dBm | | | | | | | | | |
| -40 dBm | | _ | | | | | | | |
| -50 dBm | | _ | | | | | | | |
| -60 dBm | | _ | | | | | | | |
| CF 38.49996 GH | 12 | <u> </u> | 1001 pt | 5 | | 20.4 MHz/ | | S | pan 204.0 MHz |
| 2 Result Summa | | | | No | ne | | | | |
| Tx1 (Ref) Tx Total | | Bandwidth 100.000 MHz | - | Offset | - | Power 13.35 dBm 13.35 dBm | | | |
| | | | | | | 17 | | STREET, NO. | voustore. |

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

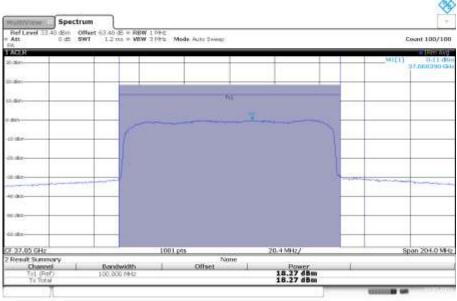
20:52:58 10.07.2021





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

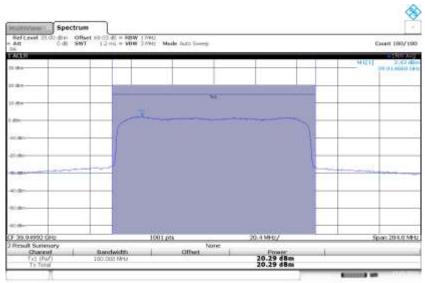
n260, Module0, 100MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



22:53:50 12.07.2021

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

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



00:00:30 13.07.2021

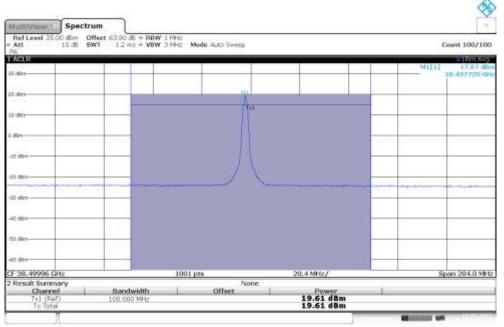
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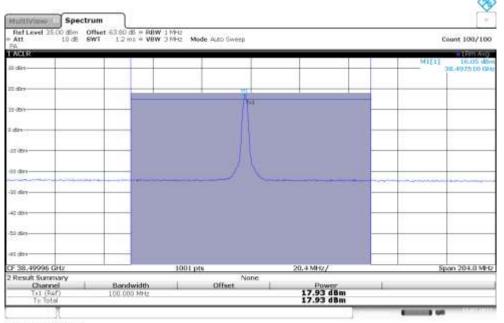
| n260, Module0, SCS=120kHz, CP-OFDM | | | | | | | | |
|------------------------------------|------------------|--------------------------------------------|--|--|--|--|--|--|
| Bandwidth | RB size/offset | RB size/offset Frequency (MHz) Power (dBm) | | | | | | |
| | QPSK 16QAM 64QAM | | | | | | | |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

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



^{22:30:44 12.07.2021}

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

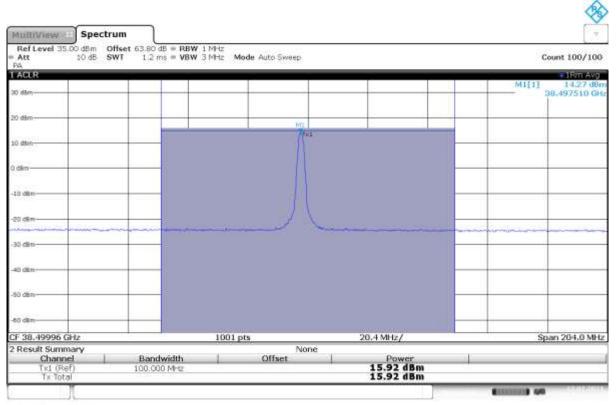


22:39:23 12.07.2021





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



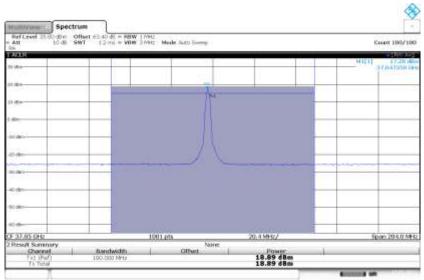
22:44:03 12.07.2021





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

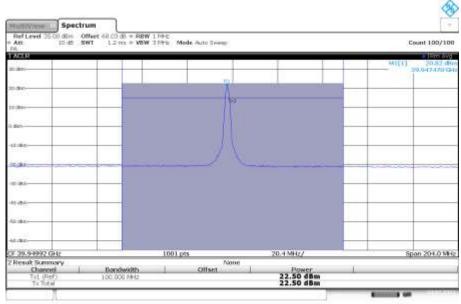
n260, Module0, 100MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



23:01:00 12:07.3021

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

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



00:07:51 13:07.2021

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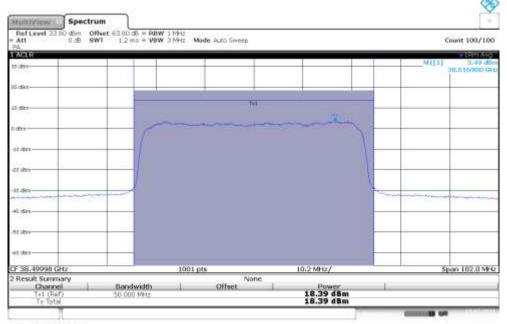
| n260, Module0, SCS=120kHz, PUSCH DFT | | | | | | | | |
|--------------------------------------|------------------|-----------------|----|------------|--|--|--|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Po | ower (dBm) | | | | |
| | QPSK 16QAM 64QAM | | | | | | | |
| 50MHz | | | | | | | | |

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

| | ectrum | 10 | | | | | | | |
|-------------------------------------------------------|-----------|----------|-----------|----------------|-----|-----------|----|-------|--------------|
| Att 0 4 | 8 SWT 1.2 | us + ABM | 3 MHz Mor | de: Auto Sweep | | | | | Count 100/10 |
| ACUR | _ | - | | _ | | | | Mi[i] | - Hanting |
| dan | | | | | - | | - | MAEAI | 38.494170 G |
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| disa Siri | | | | | | | | | |
| dis | | | | | | | | | |
| dan | | | | | | | | | |
| dita (dita) | | | 1001 pt | 6 | | 10.2 MHz/ | | 5 | pon 102.0 M |
| don don sinn don 38,499908 GHz Channel | | dwidth | 1001 pt | | one | 10.2 MHz/ | | 5 | pon 102.0 M |

00:35:55 13.07.2021

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

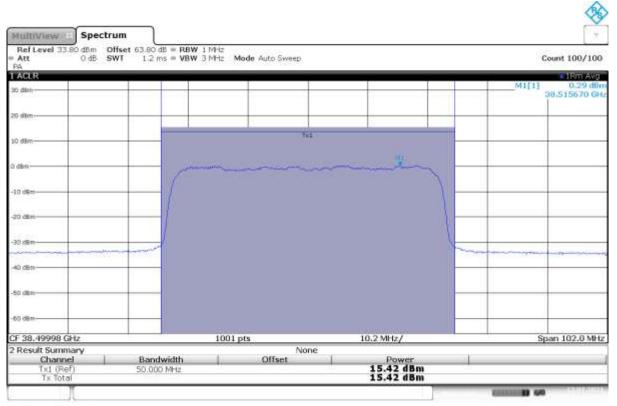


00:41:05 13.07.2021





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



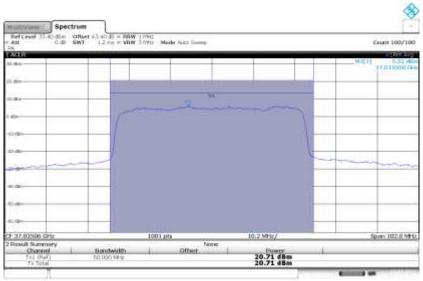
00:49:21 13.07.2021





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

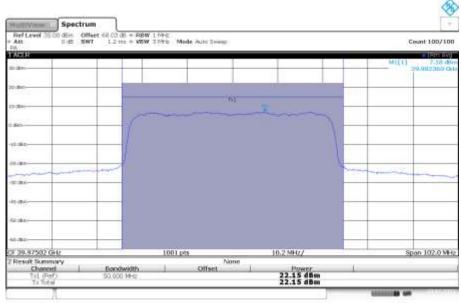
n260, Module0, 50MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



01:20:39 13.07.3021

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

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



04:08:13 13:07.2021

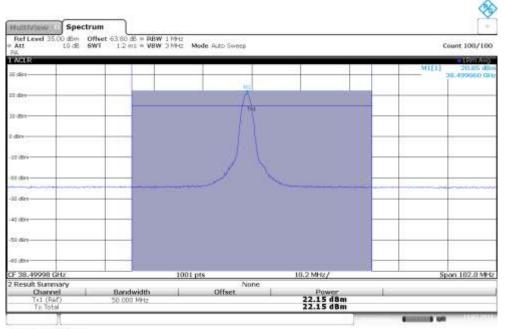
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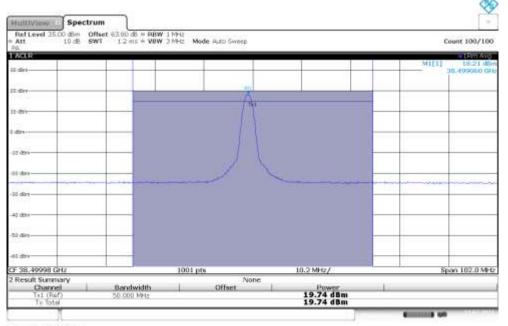
| n260, Module0, SCS=120kHz, PUSCH DFT | | | | | | |
|--------------------------------------|----------------|--------------------------------------------|-------|-------|-------|--|
| Bandwidth | RB size/offset | RB size/offset Frequency (MHz) Power (dBm) | | | | |
| QPSK 16QAM 64QAM | | | | | | |
|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

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



^{01:11:13 13.07.2021}

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

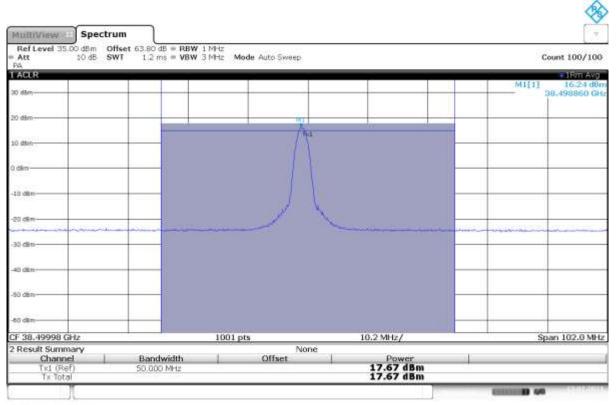


01:05:48 13.07.2021





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



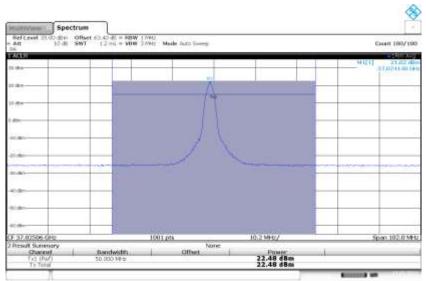
01:00:18 13.07.2021





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

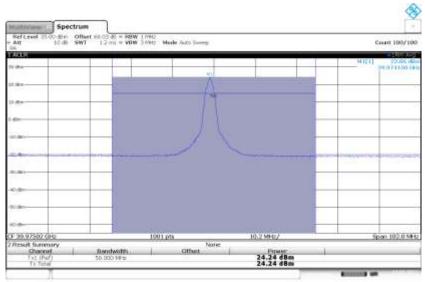
n260, Module0, 50MHz Bandwidth, 1 RB, LOW CHANNEL, QPSK



03:49:52 13.07.3021

| 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



03:56:50 13.07.3021

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| n260, Module0, SCS=120kHz, PUSCH DFT | | | | | | | | |
|--------------------------------------|-----------------------------------------------------|----------|-------|-------|-------|--|--|--|
| Bandwidth | andwidth 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

| Tultt/ Rever | Spectrum | | | | | |
|----------------------|--------------------------|--------------------------------|----------------------------|-----------------|------|-------------------------------|
| Ref Level 333 Att | 0 dBm Offset 0 dB SWT | 63.80 dB = PBV 1.2 ms = VBV | F1MH2 F3MH2 Mode Auto S | Sweep | | Count 100/100 |
| ACLR | | | | 1915-244 | | (Bitt Av) |
| t den | | _ | | | | Mi[1] 2.51 dB 30.511700 G |
| 5 dikt | | | | | | |
| | | | | NI. | | |
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| 0.001 | | | | | | |
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| 1,983 | | | | | lan | |
| 1000 | | | | | | |
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| it dby | | | | | | |
| sideria | | | | | | |
| F 38,49996 G | 42 | | 1001 pts | 20.4 MHz/ | | Span 204.0 MH |
| Result Summ | | | | None | | |
| Channe Tai (Rof | | Bandwidth | Offs | et Pov 20.19 | vor | |
| | 6 | 100.000 MHz | | 20.19 | obai | |

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

| West Villet | | ACCEPTED AND AND AND AND AND AND AND AND AND AN | | | | * |
|---------------------------|--------------------------|-------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------|
| Ref Level 33 Att Pd | S0 dBm Offse 0 dB SWT | t 63.80 dB = RBW 1.2 ms = VBW | / 1 MHz / 3 MHz Mode Auto S4 | veep | | Count 100/100 |
| ACLR | _ | | | | | (Burtan) |
| den | | | | | | Mi[1] 1.05 dB 00.536640 G |
| | | | | | | |
| dist- | | | | | | |
| diri | | | | Tel | | |
| 12017 | | | | | | |
| Di . | - | 1.2 | in it is | and the second sec | £ | |
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| | | | | | 1.55 | |
| 1005 | | 10 | | | | |
| 1.0801 | _ | | | | 1- | - |
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| t dire | | | | | | |
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| t dbo | | | | | | |
| | | | | | | |
| 5-den | | | | | | |
| 38,49996.0 | Hz | | 1001 pts | 20.4 MHz/ | 10 | Span 204.0 Mt |
| Result Summ | | | 1 | None | | |
| | | Bandwidth | Offse | 18.74 dB | | |
| Channe Tat (Re | | 100.000 MHz | | 18.74 dB | | |

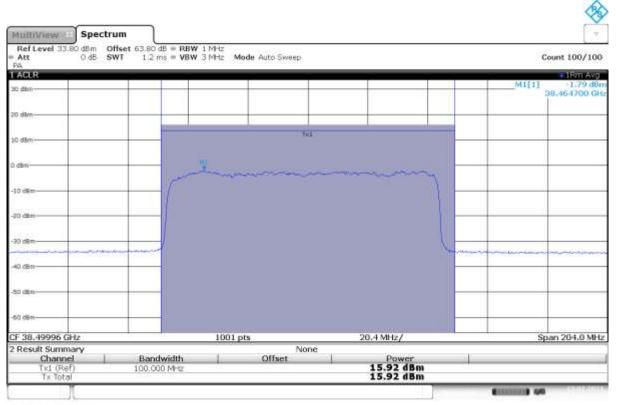
04:24:11 13.07.2021

^{04:16:57 13.07.2021}





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



04:31:22 13.07.2021





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

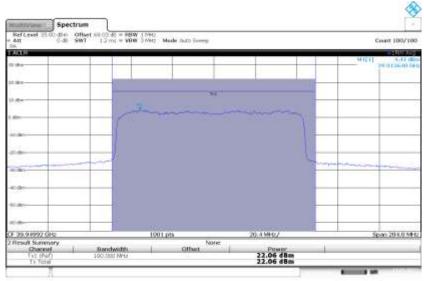
n260, Module0, 100MHz Bandwidth, 100% RB, LOW CHANNEL, QPSK



05:02:06 13.07.3021

| n260, Module0, SCS=120kHz, PUSCH DFT | | | | | | | | |
|--------------------------------------|------------------------------------------------------|----------|-------|---|---|--|--|--|
| Bandwidth | 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



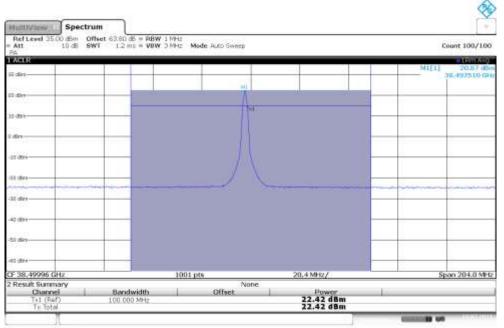
05:11:21 13.07.2021





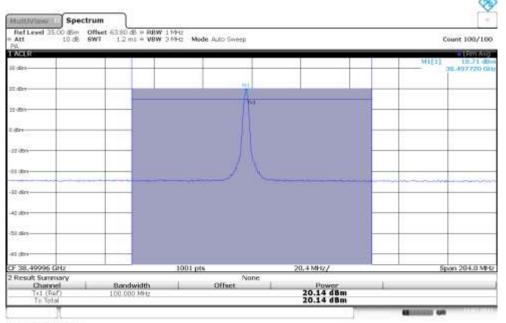
| n260, Module0, SCS=120kHz, PUSCH DFT | | | | | | | | |
|--------------------------------------|----------------------------------------|---------------------------------|--|--|--|--|--|--|
| Bandwidth | RB size/offset | set Frequency (MHz) Power (dBm) | | | | | | |
| | QPSK 16QAM 64QAM | | | | | |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

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



^{04:53:07 13.07.2021}

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

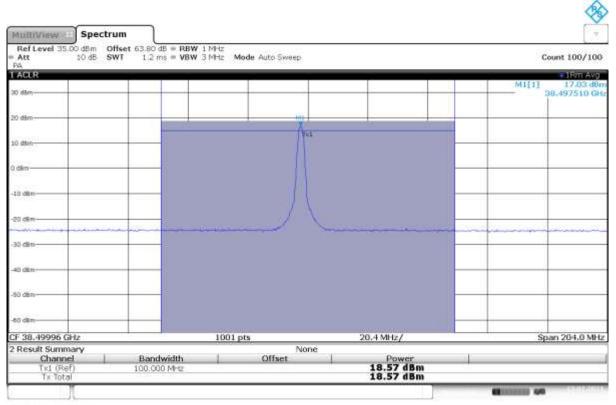


^{04:45:20 13.07.2021}





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



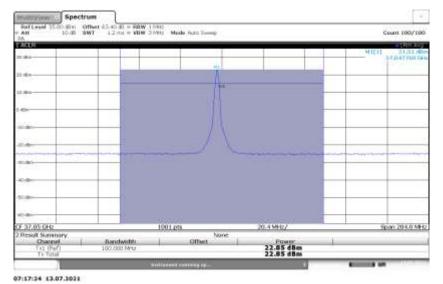
04:37:27 13.07.2021





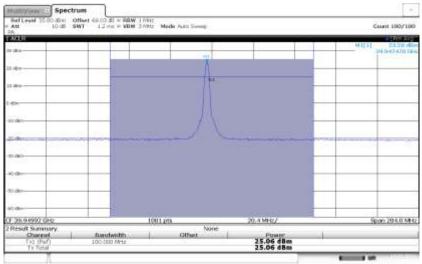
| n260, Module0, SCS=120kHz, PUSCH DFT | | | | | | | | |
|--------------------------------------|------------------------------------------------------|-------|-------|---|---|--|--|--|
| Bandwidth | Bandwidth RB size/offset Frequency (MHz) Power (dBm) | | | | | | | |
| | QPSK 16QAM 64QAM | | | | | |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

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



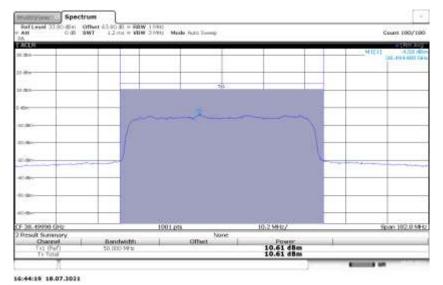
07:27:36 13.07.3011





| | n260, Module1, SCS=120kHz, PUSCH DFT | | | | | | | |
|-----------|------------------------------------------------------------------------------|----------|-------|---|---|--|--|--|
| Bandwidth | 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 | 50MHz 100% RB 37025.04 12.36 / / | | | | | | | |

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



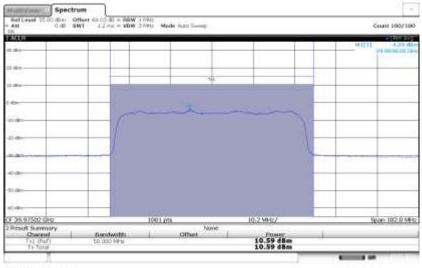
15:30:39 18.07.3031





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

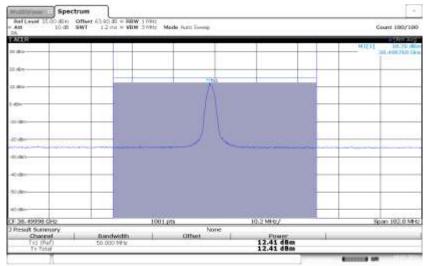
n260, Module1, 50MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK



14:03:17 18.07.3021

| 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



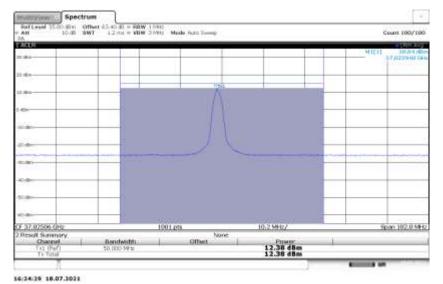
14:38:20 18.07.3021





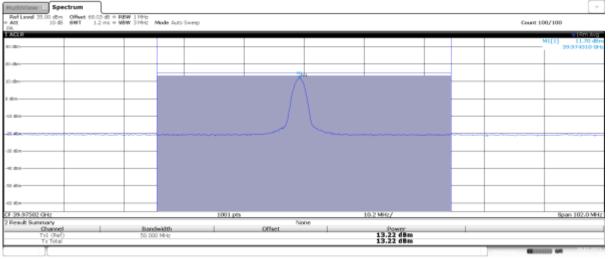
| n260, Module1, SCS=120kHz, PUSCH DFT | | | | | | | |
|--------------------------------------|----------------|-----------------|-------------|---|---|--|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | | |
| QPSK 16QAM 64QAM | | | | | | | |
| 50MHz | 1 RB | 37025.04 | 12.38 |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

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



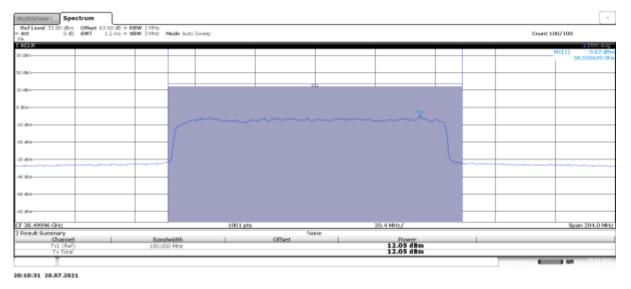
19:15:44 20.07.2021





| 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



14:51:40 10.07.3021





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

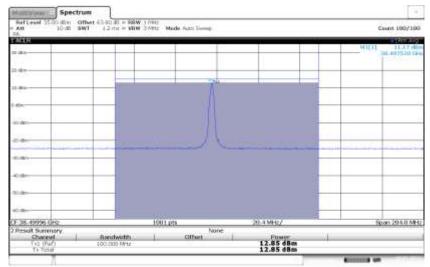
n260, Module1, 100MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK



17:25:25 10.07.2021

| 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



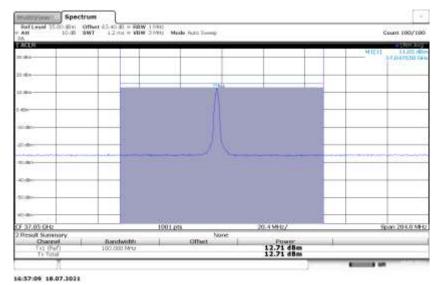
17:11:36 18.07.3031





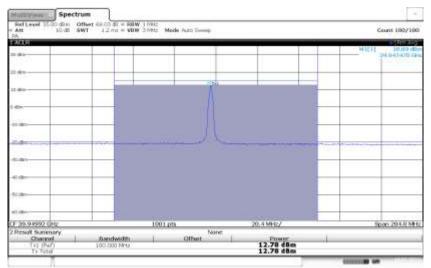
| n260, Module1, SCS=120kHz, PUSCH DFT | | | | | | | |
|--------------------------------------|------------------|-----------------|-------------|---|---|--|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | | |
| | QPSK 16QAM 64QAM | | | | | | |
| 100MHz | 1 RB | 37050 | 12.71 |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

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



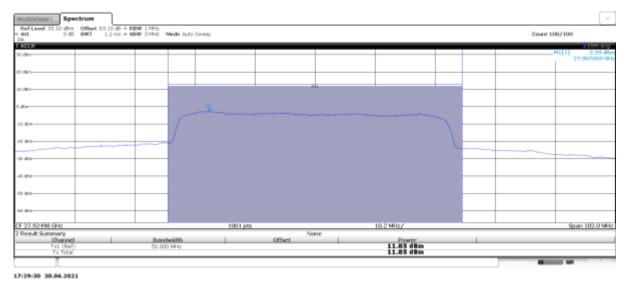
17:32:22 18.07.3021



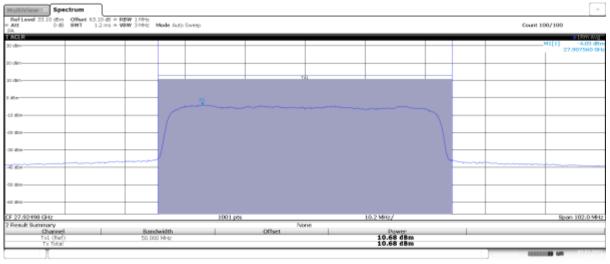


| n261, Module0, SCS=120kHz, CP-OFDM | | | | | | | |
|------------------------------------|----------------|-----------------|------------------|--|--|--|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | | |
| | | | QPSK 16QAM 64QAM | | | | |
| 50MHz | 100% RB | | | | | | |

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



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

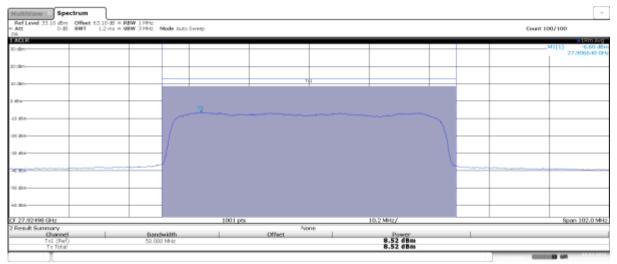


19:45:55 03.07.2021





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



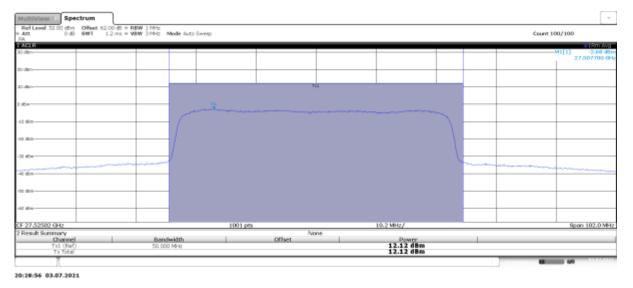
19:55:44 03.07.2021





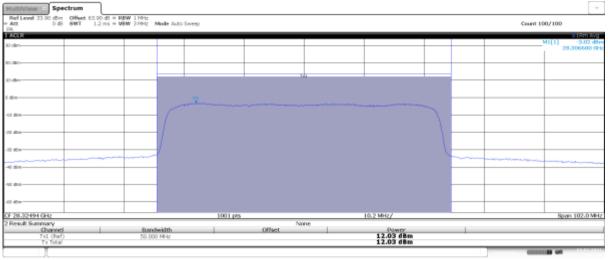
| n261, Module0, SCS=120kHz, CP-OFDM | | | | | | | |
|------------------------------------|------------------|-----------------|-------------|---|---|--|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | | |
| | QPSK 16QAM 64QAM | | | | | | |
| 50MHz | 100% RB | 27525 | 12.12 | /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

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 | 50MHz 100% RB 28324.92 12.03 / / | | | | | | | | |

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



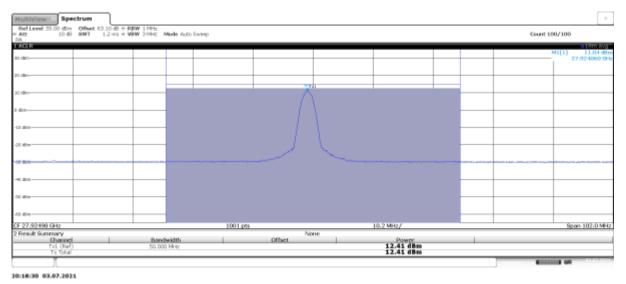
21:01:49 03:07.2021



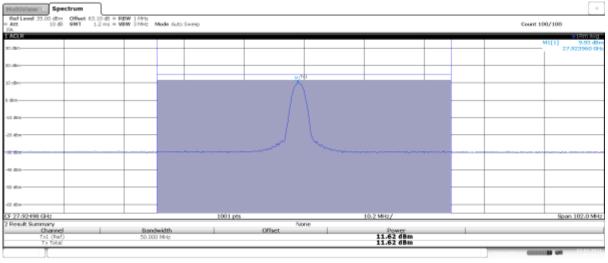


| n261, Module0, SCS=120kHz, CP-OFDM | | | | | | | | | |
|------------------------------------|--------------------------------------|-----------------|---------------------|-------|-------|--|--|--|--|
| Bandwidth | RB size/offset | Frequency (MHz) | y (MHz) Power (dBm) | | | | | | |
| | | | QPSK |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



20:10:19 03:07.2021





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

| Spectrum Ref Level 35.00 dbm Othet 63.10 d Att 10 d8 8WT 1.2 m | s = RBW 1MHz | | | | |
|--------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------|------|----------------------|------------------|
| Att 10.48 SWT 1.2 m | s = VBW 3MHz Mode Auto Swe | p | | | Count 100/100 |
| ACLR | | | | | • (Sm /s |
| o den | | | | | M1[1] 7.70 d |
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| e dan | | | | | |
| C 47.4 | | | | | |
| - 10 M | | | | | |
| 0.64 | | | | | |
| F 27.92498 GHz | | 1001.pts | | 10.2 MHz/ | Span 102-0 M |
| Result Summary | | | ione | Date Percy | Span 10270 M |
| Channel Tril (Ref) | Bandwidth | Offset | | 9.45 dBm | |
| Tel (Ret) Te Total | 50.000 MHz | | | 9,45 dBm 9,45 dBm | |
| T | | | | | B |

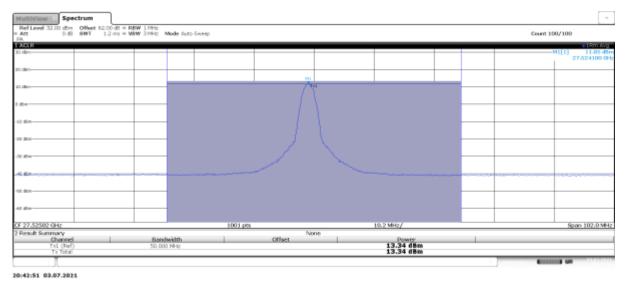
20:04:09 03:07.2021





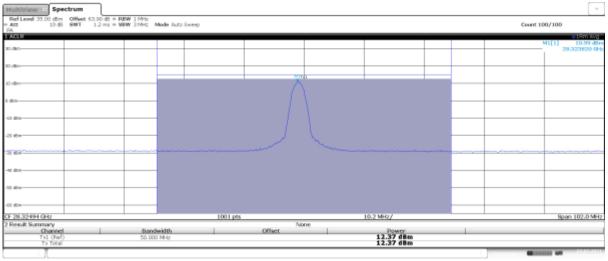
| n261, Module0, SCS=120kHz, CP-OFDM | | | | | | | | | |
|------------------------------------|----------------------------|-----------------------------------------|------------------|--|--|--|--|--|--|
| Bandwidth | RB size/offset | size/offset Frequency (MHz) Power (dBm) | | | | | | | |
| | | | QPSK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

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



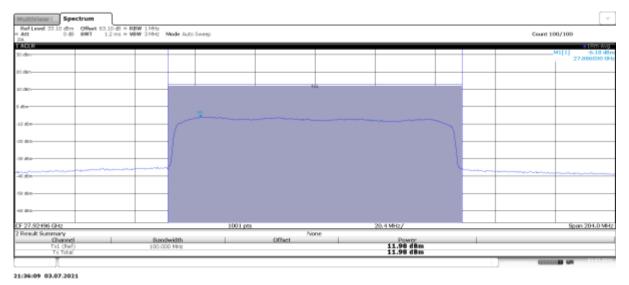
20:55:05 03:07.2021



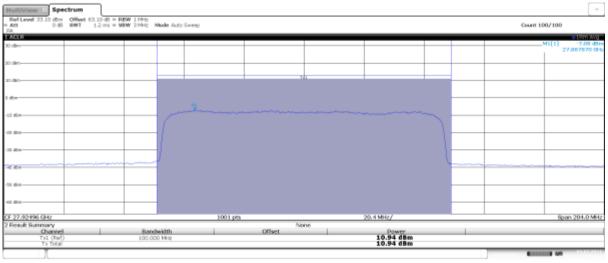


| n261, Module0, SCS=120kHz, CP-OFDM | | | | | | | | | |
|------------------------------------|------------------------------------------|-----------------------------|--|--|--|--|--|--|--|
| Bandwidth | RB size/offset | Frequency (MHz) Power (dBm) | | | | | | | |
| | QPSK 16QAM 64QAM | | | | | | | |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



21:44:30 03:07.2021





| Ref Level 33.10 dBm Att 0 dB PA | SWT 1.2 | ms = VBW 3 MH | t Mode Auto Swe | ep | | | Count 100/100 |
|---------------------------------------|---------|--------------------|-----------------|------|-------------------------------|------------------|-----------------------------------------------------|
| LACLR | | | | | | | 18m Avg |
| 10 dlm | | | | | | _M1[| -8.96 dBi 27.888480 GH |
| million | | | | | | | |
| 10 dēm | _ | | | TNS | | | |
| D dBm | | - | | | | | _ |
| 10 dbm | | , it | | | man | | _ |
| 20 dBm | _ | | | |) | | _ |
| 30 d8m | _ | | | | | | |
| et) dBm | | - | | | | Marchine - Longe | |
| 50 dilm | | - | | | | | _ |
| 00 dBm | | -3 | | | | | |
| F 27.92496 GHz | | | 001 pts | |).4 MHz/ | | Span 204.0 MH |
| Result Summary | | | | None | | | |
| Channel Tx1 (Ref) Tx Total | | dwidth 00 MHz | Offset | | Power 8.95 dBm 8.95 dBm | | |

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

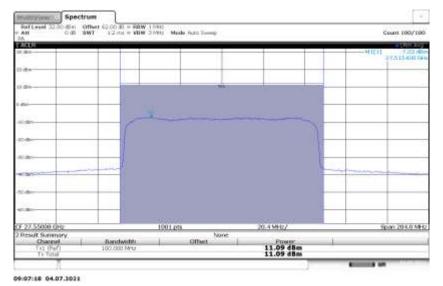
08:58:58 04.07.2021





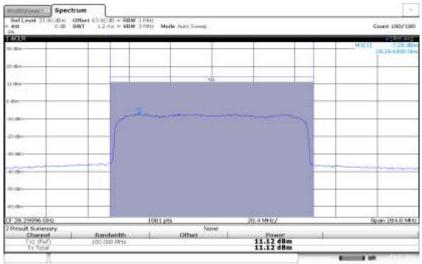
| | n261, Module0, SCS=120kHz, CP-OFDM | | | | | | | | |
|-----------|------------------------------------------------------------------------------|--|------------------|--|--|--|--|--|--|
| Bandwidth | Bandwidth RB size/offset Frequency (MHz) Power (dBm) | | | | | | | | |
| | | | QPSK 16QAM 64QAM |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

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



09:14:43 04.07.3021





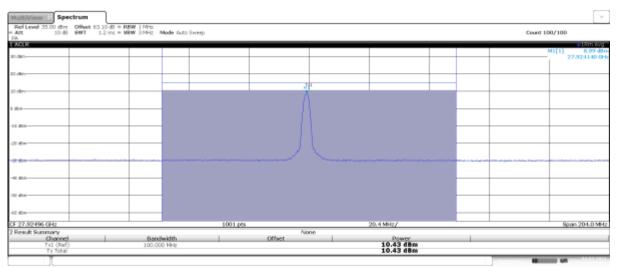
| n261, Module0, SCS=120kHz, CP-OFDM | | | | | | | | | |
|------------------------------------|--------------------------------------------|--|------------------|--|--|--|--|--|--|
| Bandwidth | RB size/offset Frequency (MHz) Power (dBm) | | | | | | | | |
| | | | QPSK 16QAM 64QAM | | | | | | |
| 100MHz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

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

| t 10 dB SWT 1.2 mi | ■ VBW 3 MHz Mode Auto Sweep | | Count 100/100 |
|--------------------|-----------------------------|-----------|----------------|
| | | | M1[1] 10.91 dB |
| 50 | | | 27.923940 68 |
| im | | | |
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| 8n- | | - | |
| 811 | | | |
| | | | |
| 815 | | | |
| 27.92496 GHz | 1001 pts | 20.4 MHz/ | Span 204.0 Mi |
| esult Summary | nidth Offset | one Power | |

09:24:33 04.07.2021

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



09:31:21 04.07.2021





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

| tef Level 35.00 dBm Off Mt 10 dB SW | T 1.2 ms = V8 | W 3 MHz M | Aode Auto S | iweep | | | | | Count 1 | 00/100 |
|----------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------|---|---------|------------|
| CLR | | | | | | | | | | MI(1) 6.74 |
| in . | | | | | | | | | | 27,923940 |
| B/ | | | | | | | | | | |
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| le la | | | | | | | | | | |
| 7.92496 GHz | | | | 1001.pts | | | 20.4 MHz/ | _ | | Span 204.0 |
| sult Summary Channel | | Band | width | | Offset | e | Dower | | | |
| Tal (Ref) Ta Total | | 100.00 | | | MILEN'S | | 8.77 dBm 8.77 dBm 8.77 dBm | | | |

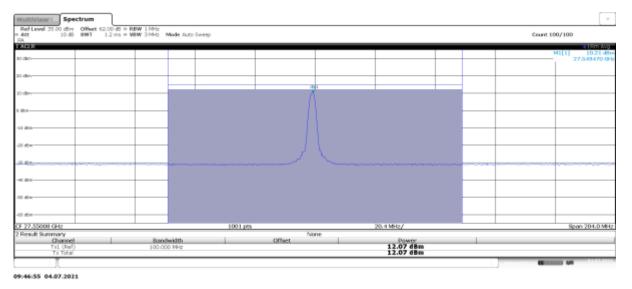
09:38:47 04.07.2021





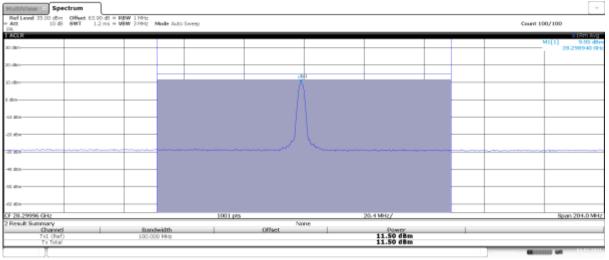
| n261, Module0, SCS=120kHz, CP-OFDM | | | | | | |
|------------------------------------|----------------|-----------------|-------------|-------|-------|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | |
| | | | QPSK | 16QAM | 64QAM | |
| 100MHz | 1 RB | 27550.08 | 12.07 | / |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

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



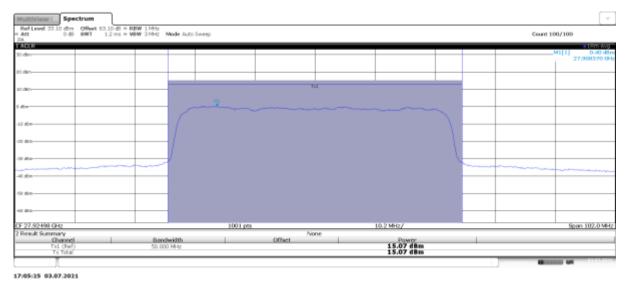
09:57:00 04.07.2021



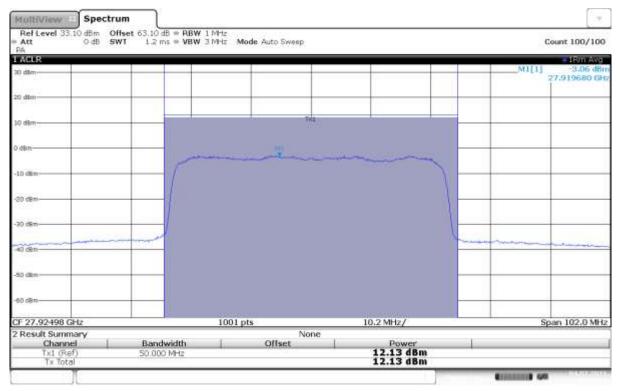


| n261, Module0, SCS=120kHz, PUSCH DFT | | | | | | |
|--------------------------------------|----------------|-----------------|-------------|-------|-------|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | |
| | | | QPSK | 16QAM | 64QAM | |
| 50MHz | 100% RB | 27924.96 | 15.07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

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



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



^{10:21:06 04.07.2021}





| | T 1.2 ms ⊕ VBW ∃ MHz | Mode Auto Sweep | | c | ount 100/100 |
|------------|----------------------|-----------------|-------------|---------------|-------------------------|
| R | | | | | = 1Pm Avg |
| | | | | _M1[1] | -4.79 dB 7.908570 GF |
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| | | | 10.2 MHz/ | St | an 102.0 MH |
| .92498 GHz | 100 | 01 pts | 10.2 90 127 | | |
| | Bandwidth | Offset | Power | | |
| 1 | | | 10.2 MHz/ | St | an 1 |

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

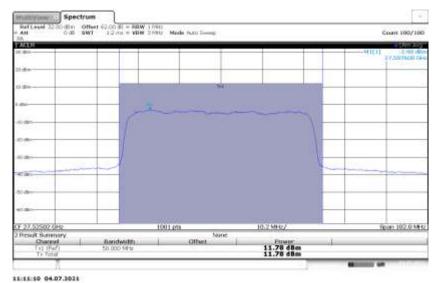
10:29:58 04.07.2021





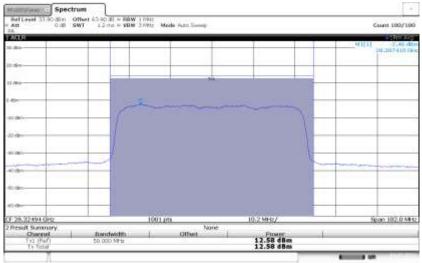
| n261, Module0, SCS=120kHz, PUSCH DFT | | | | | | |
|--------------------------------------|----------------|-----------------|-------------|-------|-------|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | |
| | | | QPSK | 16QAM | 64QAM | |
| 50MHz | 100% RB | 27525 | 11.78 | /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

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



11:30:17 04.07.3031





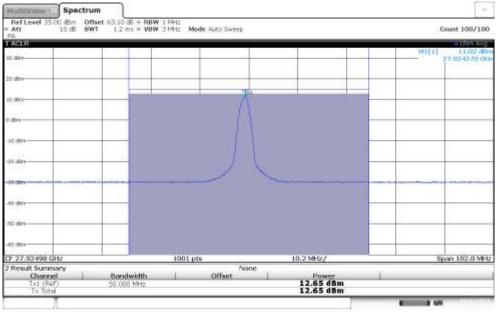
| n261, Module0, SCS=120kHz, PUSCH DFT | | | | | | |
|--------------------------------------|----------------|-----------------|-------------|-------|-------|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | |
| | | | QPSK | 16QAM | 64QAM | |
| 50MHz | 1 RB | 27924.96 | 14.44 | 12.65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

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

| 12 day | MI[1] 12:90 48 77.022960 G |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 10 disa | |
| | |
| 0.4991 | |
| 201 | |
| | |
| | |
| | |
| | |
| | |
| 222 | |
| to days | |
| | |
| I Sh | |
| 13.000 | |
| F 27.92498 GHz 1001 pts 10.2 MHz/ | Span 102.0 MH |
| Result Summary None Channel Bandwidth Offset Power Tri (Raf) 50.000 MHz 14.44 dBm 14.44 dBm Tx Total 14.44 dBm 14.44 dBm 14.44 dBm | |



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



10:50:17 04.07.2021





| MultiView | rum | | | | | - |
|---------------------------|-----------------------------------------|---------|---------------|----|---------------------------------|----------------------------------|
| | Offset 63.10 dB = RB SWT 1.2 ms = VB | | de Auto Sweep | | | Count 100/100 |
| 1 ACLR | | | | | | = 18m Avg |
| 30 dBm | | | | | | M1[1] 10.54 dBm 27.924160 GHz |
| 20 dBm | | | | | | |
| 10 dBm | | | Å | 1 | | |
| 0 dBm | | | - No | | | |
| -10 dBm | _ | | | | | |
| -20 dite | | | | L | | |
| -90 dBm | | | - | m | | |
| -40 dBm | | | | | | |
| -50 dBm | | | | | | |
| -60 /36m | | | | | | |
| CF 27.92498 GHz | | 1001 pt | s : | | 10.2 MHz/ | Span 102.0 MHz |
| 2 Result Summary | Dec. 1. Date | | No | ne | - | |
| Tx1 (Ref) Tx1 Tx Total | Bandwidth 50.000 MHz | - | Offset | | Power 11.90 dBm 11.90 dBm | |
| 1 | | | | | 1 | 11 10 40 |

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

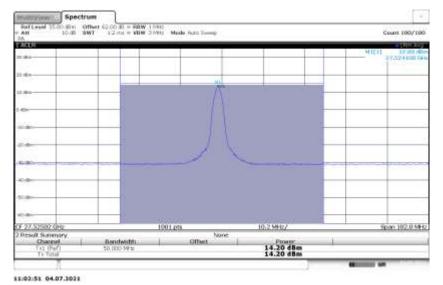
10:40:41 04.07.2021





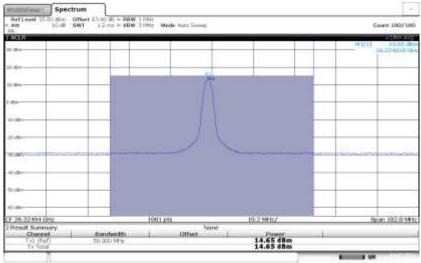
| n261, Module0, SCS=120kHz, PUSCH DFT | | | | | | |
|--------------------------------------|----------------|-----------------|-------------|-------|-------|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | |
| | | | QPSK | 16QAM | 64QAM | |
| 50MHz | 1 RB | 27525 | 14.20 | / |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

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



11:38:05 04.07.3031





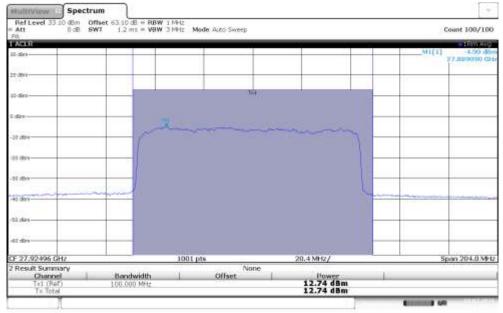
| n261, Module0, SCS=120kHz, PUSCH DFT | | | | | | |
|--------------------------------------|----------------|-----------------|-------------|-------|-------|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | |
| | | | QPSK | 16QAM | 64QAM | |
| 100MHz | 100% RB | 27924.96 | 14.52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

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

| 10 dim 10 dim 10 dim 10 dim -30 dim -30 dim | 2 | *** | | | | 1.89 dBr 440 CH |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|-----|-----------------------|--------------------|
| 10 den | | | | | | |
| il det | æ | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | |
| 1 dim | m | | | | | |
| 18 d8m | in | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | |
| | (marine the second sec | | mann | 100 | | |
| | | | | 0 | | |
| | | | | | | |
| 15 d0/x | | | | | | |
| N dbs | | | | 10 | | |
| | | | | him | and the second second | _ |
| 10 ditris | | | | | | _ |
| 11 din | | | | | | |
| 57 -\$Fr | | | | | | |
| | 1001 pts | | | - | | anasas |
| F 27.92496 GHz | 1001 pts | None | 20.4 MHz/ | 207 | Span 20 | 4.0 MH |

12:36:32 04.07.2021

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



12:45:34 04.07.2021





| Att 0 dB SWT | 3.10 dB = RBW 1 MHz 1.2 ms = VBW 3 MHz | Mode Auto Sweep | | Count 100/100 |
|----------------|-------------------------------------------|-----------------|---------------------------------|---------------------------------|
| ACLR | | | | s 18/m Avg |
| milb 0 | | | | M1[1] -7.16 dBi 27.890310 GH |
| 20 dtm | | | | |
| 0 dām | | THA | | |
| 0 dBm- | - | | _ | |
| 10 dbm | men | | many | |
| 20 dBm | | | | |
| 30 d8m | | | | |
| at) dem | | | | |
| io din | _ | | _ | |
| 00 dBm | - | | _ | |
| F 27.92496 GHz | 1001 | | 20.4 MHz/ | Span 204.0 MH |
| Result Summary | | None | | |
| | Bandwidth 00.000 MHz | Offset | Power 10.68 dBm 10.68 dBm | |

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

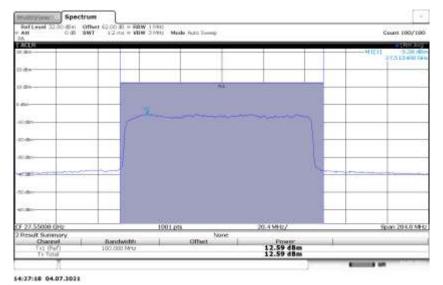
12:52:19 04.07.2021





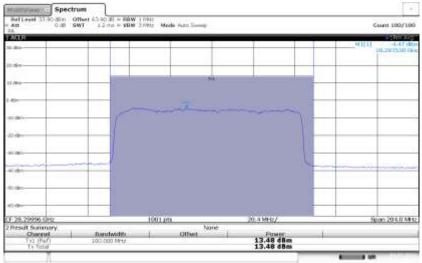
| n261, Module0, SCS=120kHz, PUSCH DFT | | | | | | |
|--------------------------------------|----------------|-----------------|-------------|-------|-------|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | |
| | | | QPSK | 16QAM | 64QAM | |
| 100MHz | 100% RB | 27550.08 | 12.59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

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



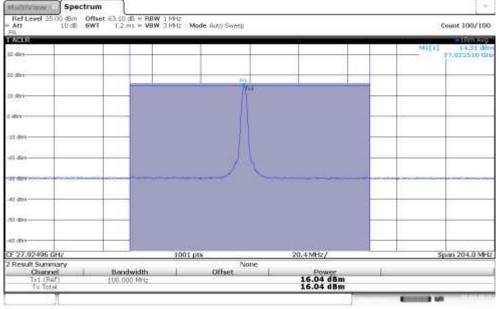
14:34:28 04.07.3021





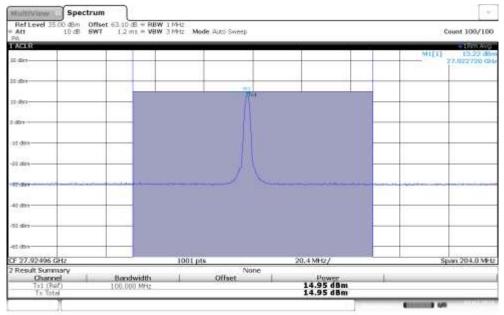
| n261, Module0, SCS=120kHz, PUSCH DFT | | | | | | | |
|--------------------------------------|----------------|-----------------|-------------|-------|-------|--|--|
| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) | | | | |
| | | | QPSK | 16QAM | 64QAM | | |
| 100MHz | 1 RB | 27924.96 |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

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



13:33:41 04.07.2021

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



13:16:15 04.07.2021





| MultiView Spect | rum | | | | | - |
|-----------------------|----------------------------------------|----------------------|---------------|------|---------------------------------|---------------------------------|
| | Offset 63.10 dB = R SWT 1.2 ms = VI | | de Auto Sweep | | | Count 100/100 |
| 1 ACLR | | | | | | = 18m Avg |
| 30 dBm | | | | | | M1[1] 9.93 dBm 27.922510 GHz |
| 20 dBm | | | | | | |
| 10 d8m | | | X | 1 | da ba | |
| 0 dBm | | | | | | |
| +10 dBm- | _ | | | | | |
| -20 dbm | | | | | | |
| -30 dBm | | * ~~ %~ ~ | mund | 1 mm | | |
| -40 dBm | | | | | | |
| -50 d8m | | | | | | |
| -60 dBm | _ | | | | | |
| CF 27.92496 GHz | | 1001 pt | IS | | 20.4 MHz/ | Span 204.0 MHz |
| 2 Result Summary | | | No | ne | -20000 | |
| Tx1 (Ref) Tx Total | Bandwidth 100.000 MHz | | Offset | - | Power 11.66 dBm 11.66 dBm | |
| | | | | | | A |

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

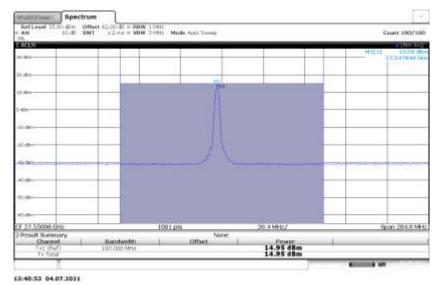
12:58:51 04.07.2021





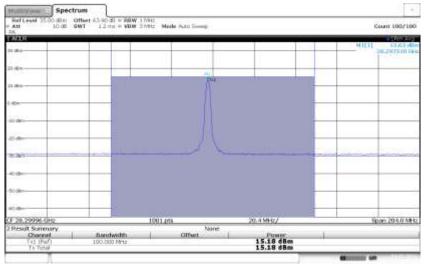
| | n261, Module0, SCS=120kHz, PUSCH DFT | | | | | | | |
|-----------|------------------------------------------------------|----------|-------|---|---|--|--|--|
| Bandwidth | Bandwidth RB size/offset Frequency (MHz) Power (dBm) | | | | | | | |
| | QPSK 16QAM 64QAM | | | | | | | |
| 100MHz | 1 RB | 27550.08 | 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 | 100MHz 1 RB 28299.96 15.18 / / | | | | | | | |

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



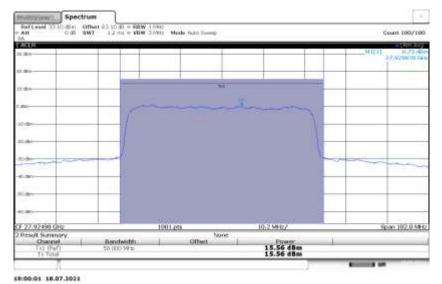
14:42:30 04.07.3021





| | 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



18:33:07 18.07.3031





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

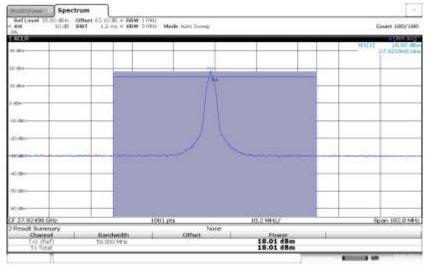
n261, Module1, 50MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK



19:23:39 18.07.3021

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

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



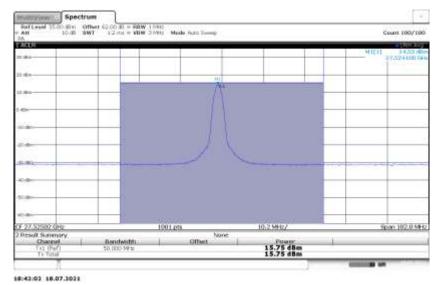
19:06:58 18.07.3031





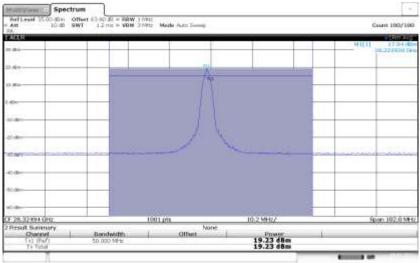
| | n261, Module1, SCS=120kHz, PUSCH DFT | | | | | | | |
|-----------|------------------------------------------------------------------------------|-------|-------|---|---|--|--|--|
| Bandwidth | Bandwidth RB size/offset Frequency (MHz) Power (dBm) | | | | | | | |
| | QPSK 16QAM 64QAM | | | | | | |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

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



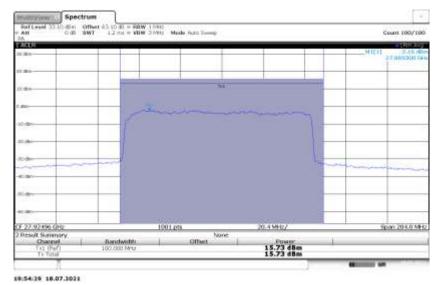
19:13:00 18.07.3021





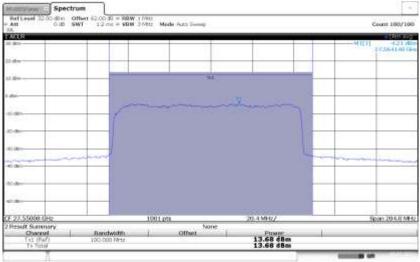
| | n261, Module1, SCS=120kHz, PUSCH DFT | | | | | | | |
|-----------|---------------------------------------------------|----------|-------|---|---|--|--|--|
| Bandwidth | dwidth RB size/offset Frequency (MHz) Power (dBm) | | | | | | | |
| | QPSK 16QAM 64QAM | | | | | | | |
| 100MHz | 100% RB | 27924.96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



19:31:17 10.07.3031





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

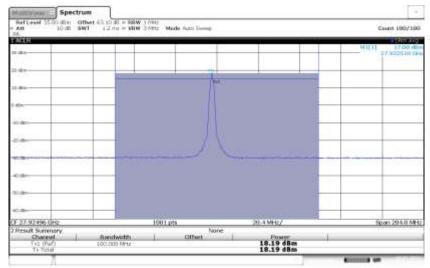
n261, Module1, 100MHz Bandwidth, 100% RB, HIGH CHANNEL, QPSK



20:02:01 18.07.2021

| | 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



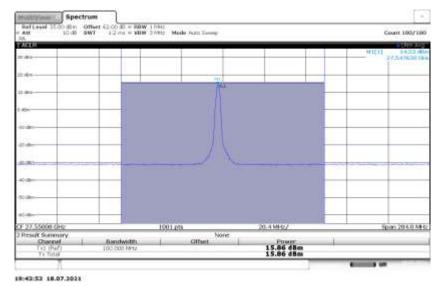
19:49:13 18.07.3031





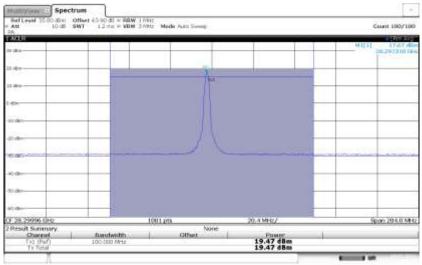
| n261, Module1, SCS=120kHz, PUSCH DFT | | | | | | | | | |
|------------------------------------------------------|------|----------|-------|-------|-------|--|--|--|--|
| Bandwidth RB size/offset Frequency (MHz) Power (dBm) | | | | | | | | | |
| | | | QPSK | 16QAM | 64QAM | | | | |
| 100MHz | 1 RB |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

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



| n261, Module1, SCS=120kHz, PUSCH DFT | | | | | | | | | | |
|--------------------------------------|------------------------------------------------------------------------------|--|------|-------|-------|--|--|--|--|--|
| Bandwidth | 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



20:14:14 10.07.2021





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.

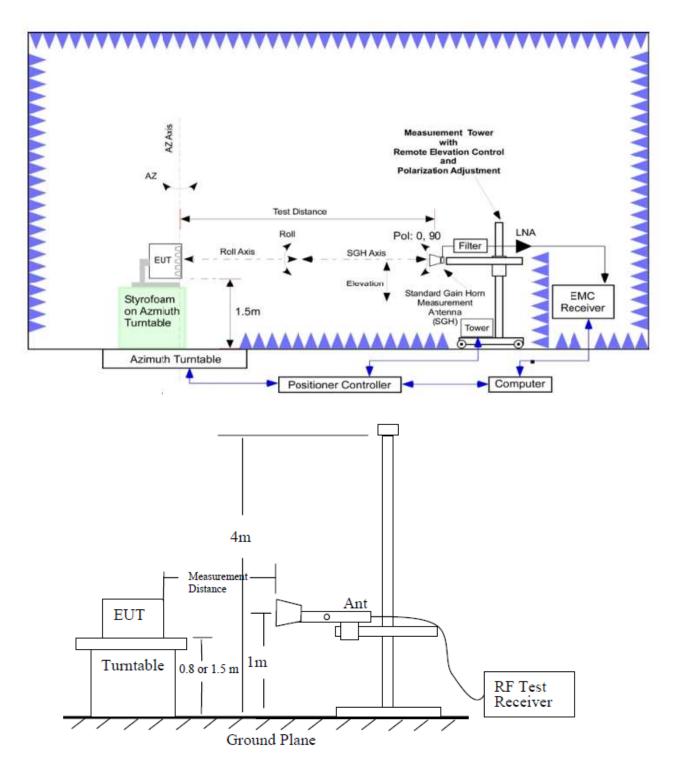
NASI C63.26 chapter 5.5.2.1: Such radiated measurements shall use substitution methods unless a test site validated to ANSI C63.4 requirements is utilized, in which case, radiated fundamental and/or unwanted emissions can be measured using the direct radiated field strength method.

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.

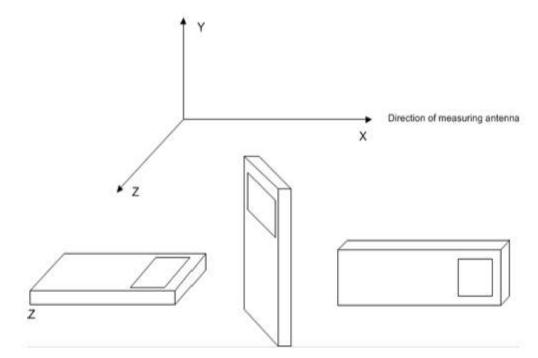












The emission characteristics of the EUT can be identified from the pre-scan measurement information.

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 3 1GHz-18GHz 3 18GHz-40GHz 3

A.2.3 Measurement Limit

40GHz-60GHz 60GHz-75GHz

75GHz-110GHz

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.

3 3

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 ©Copyright. All rights reserved by CTTL. Page 84 of 219





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.



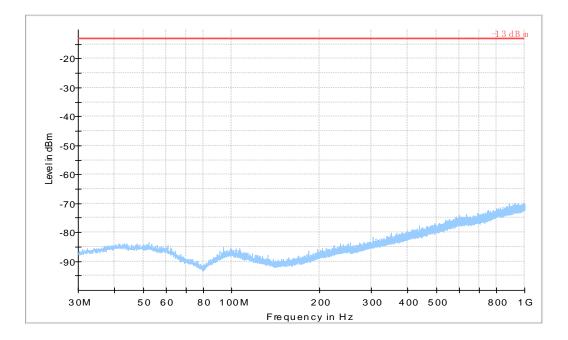


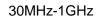
A.2.4 Measurement Results Table(worst case of all power)

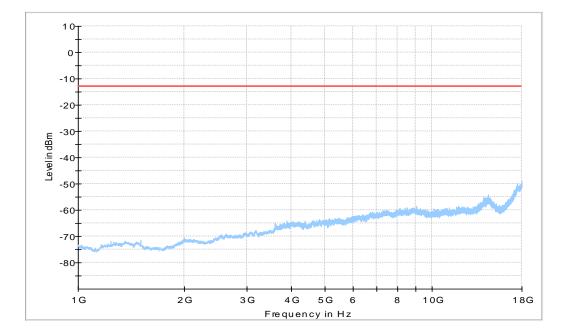
| Frequency | Antenna | Modulatio | Bandwi | Channel | Frequency | Result |
|-----------|---------|-----------|--------|---------|--------------|--------|
| | | n | dth | | Range | |
| n260 | Module0 | PUSCH | 100MHz | Low | 30MHz-110GHz | Pass |
| | | DFT, | /1RB | Middle | 30MHz-110GHz | Pass |
| | | QPSK | | High | 30MHz-110GHz | Pass |
| n261 | Module1 | PUSCH | 100MHz | Low | 30MHz-100GHz | Pass |
| | | DFT, | /1RB | Middle | 30MHz-100GHz | Pass |
| | | QPSK | | High | 30MHz-100GHz | Pass |









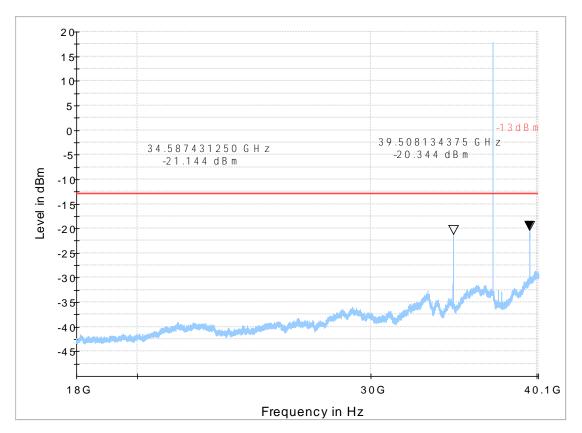


1GHz-18GHz

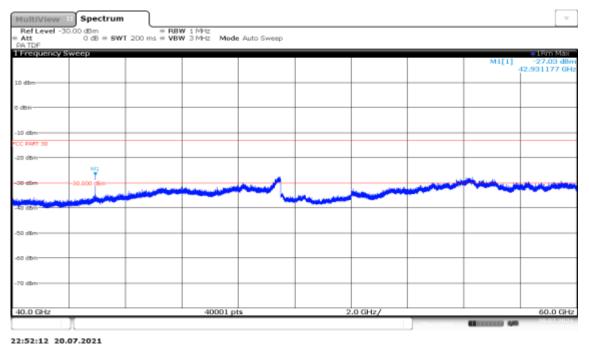




Full Spectrum



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



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





| MultiView | | | | | | | | | |
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| TDF Inp: ExtMix | E | | | - | | | | | |
| 1 Frequency S | weep | | | | | | | M1[1] | 1Rm Max -22.52 dBm |
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| -40 dBm- | | | | | | | | | |
| -50 dBm | | | | | | | | | |
| 60.0 GHz | | | 30001 pt | s | 1 | .5 GHz/ | | | 75.0 GHz |
| | J | | | | | | | (IIIII) (A) | 21.07.2021 |

10:26:45 21.07.2021

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

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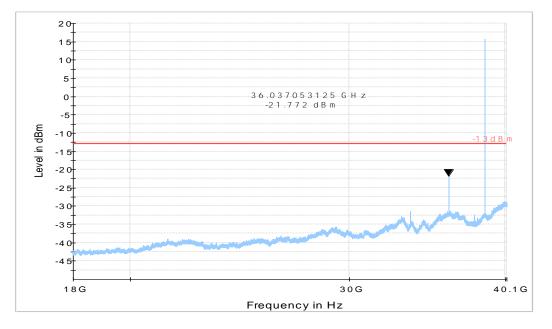
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n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 75GHz-110GHz

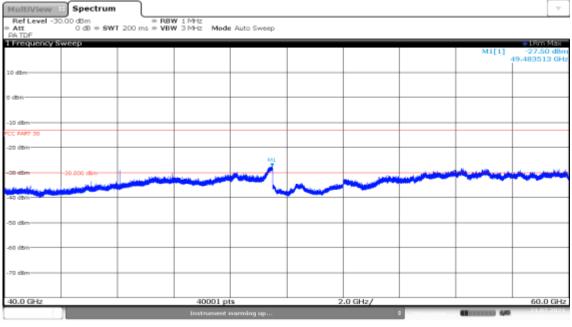




Full Spectrum



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



^{00:44:12 21.07.2021}

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





| MultiView | | | | | | | | ~ |
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| 60.0 GHz | | 30001 pt | ts. | 1 | .5 GHz/ | | | 75.0 GHz |
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10:32:24 21.07.2021

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

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| 40 dtm Image: state | | | | | | | | | M1[1] | -17.49 dBm |
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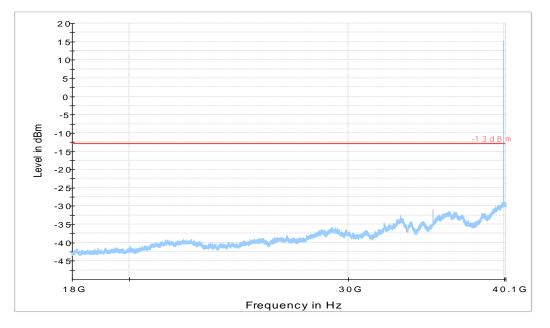
09:08:18 21.07.2021

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





Full Spectrum



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

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





| MultiView | Spectrum | | | | | | | | V |
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| 1 Frequency a | weep | | | | | | | M1[1] | -22.32 dBm |
| 40 d8m- | | | | | | | | | 62.648162 GHz |
| 30 d8m | | | | | | | | | |
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| 20 d8m- | | | | | | | | | |
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| 60.0 GHz | | | 30001 pt | s | 1 | .5 GHz/ | | | 75.0 GHz |
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10:39:11 21.07.2021

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

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| Ref Level -4.0 | SWT | | 1 MHz 3 MHz Mode / | Auto Sweep | | | | | |
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| 1 Frequency S | weep | | | | | | | M1[1] | -17.91 dBm |
| 40 d8m | | | | | | | | 10 | 05.042321 GHz |
| 40 dpm | | | | | | | | | |
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| 30 d8m | | | | | | | | | |
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| 20 d8m | | | | | | | | | |
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| -40 dBm | | | | | | | | | |
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| -50 dBm | | | | | | | | | |
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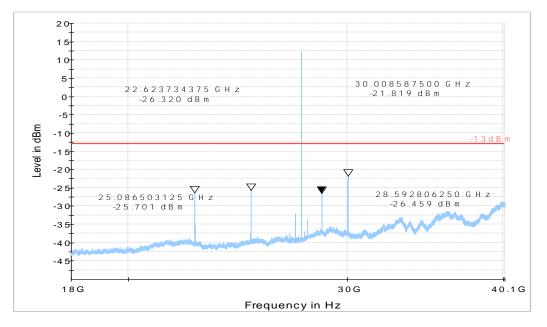
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n260, Module0, 100MHz, PUSCH DFT, QPSK, 1RB, High channel, 75GHz-110GHz

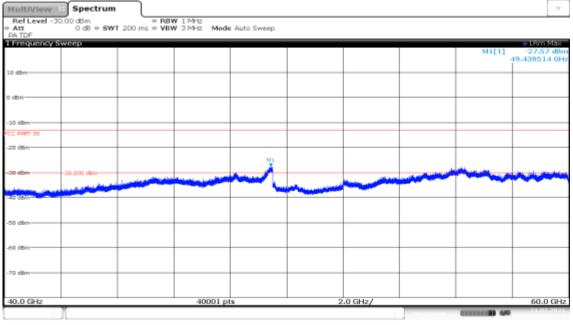




Full Spectrum







^{01:05:13 21.07.2021}

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





| MultiView | Spectrum | | | | | | | | ∇ |
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| Ref Level -6.0 TDF Inp: ExtMix | SWT | ● RBW 100 ms ● VBW | 1 MHz 3 MHz Mode / | Auto Sweep | | | | | |
| 1 Frequency S | weep | | | | | | | | 1Rm Max |
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| 40 d8m | | | | | | | | | 61.917186 GHz |
| 30 dBm | | | | | | | | | |
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n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 60GHz-75GHz

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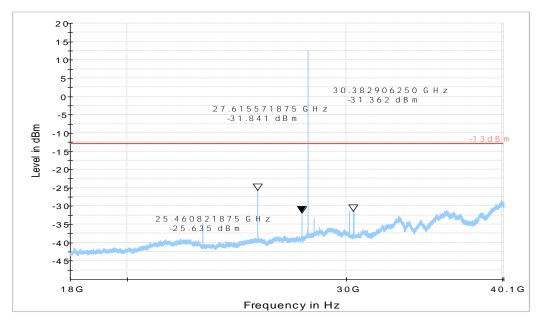
n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Low channel, 75GHz-100GHz

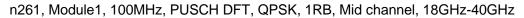
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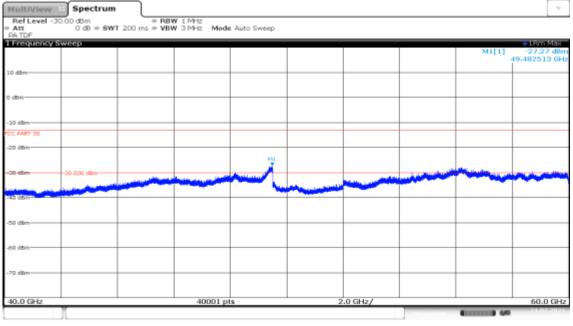




Full Spectrum







^{01:10:24 21.07.2021}

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





| MultiView | | | | | | | | | v |
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| Ref Level -6.0 | SWT | RBW 100 ms = VBW | 1 MHz 3 MHz Mode / | Auto Sweep | | | | | |
| TDF Inp: ExtMix | E | | | | | | | | |
| 1 Frequency S | weep | | | | | | | | 1Rm Max |
| 40 d8m- | | | | | | | | M1[1] | -22.25 dBm 51.708193 GHz |
| 30 d8m | | | | | | | | | |
| 20 dBm- | | | | | | | | | |
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| -50 dBm | | | 56681 | | | E 211-1 | | | TE O CIL |
| 60.0 GHz | _ | | 30001 pt | s | 1 | .5 GHz/ | | | 75.0 GHz |
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n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 60GHz-75GHz

| MultiView :: Spectrum | | | | Ψ. |
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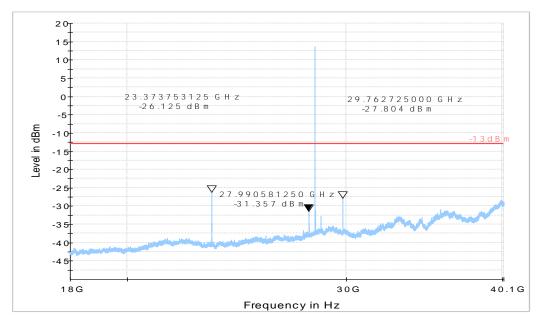
n261, Module1, 100MHz, PUSCH DFT, QPSK, 1RB, Mid channel, 75GHz-100GHz

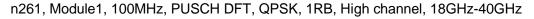
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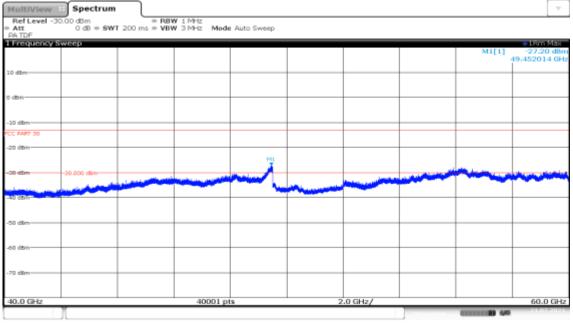




Full Spectrum







^{01:16:45 21.07.2021}

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





| MultiView | | | | | | | | | V |
|------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------|---|------------------------------|---------------------|------------------|----------------------------------|
| Ref Level -6.0 | DO dBm | RBW 100 ms = VBW | i MHz 3 MHz - Mode / | auto Sween | | | | | |
| TDF Inp: ExtMix | E | 100 111 0 1011 | - The Theorem | are streep | | | | | |
| 1 Frequency S | weep | | | | | | | | 1Rm Max |
| 40 d8m- | | | | | | | | M1[1] | -21.70 dBm 51.569698 GHz |
| | | | | | | | | | |
| 30 d8m | | | | | | | | | |
| 20 d8m | | | | | | | | | |
| | | | | | | | | | |
| 10 d8m | | | | | | | | | |
| | | | | | | | | | |
| 0 dam | | | | | | | | | |
| PCC PART 30 | -6.000 dêm | | | | | | | | |
| Pool Press and | | | | | | | | | |
| -20 dBm | North and a start | | | | | | | | |
| Non-Linear State | lintenen-duit | Statistics of the local division of the loca | and the second second second | a design and the state | | a ta a fai da a fa a sa a sa | | | |
| -30 dBm | | | | | | | in the local sector | A Los de Angleis | triant and the bills of the same |
| | | | | | | | | | |
| -40 dBm | | | | | | | | | |
| -50 dBm | | | | | | | | | |
| | | | | | | | | | |
| 60.0 GHz | | | 30001 pt | s | 1 | .5 GHz/ | | | 75.0 GHz |
| | Д | | | | | | the surface of | 40 | 21.02.2021 |

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

| fultiView 🗉 Spec | trum | | | | | | | ~ |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|-----------------------|------------|-----------------------|---------------|-------------------------------------------|
| Ref Level -4.00 dBm | SWT 200 ms = VB | W 1 MHz W 3 MHz Mode | auto Sween | | | | | |
| DF Inp: ExtMix W | | in product | are srreep | | | | | |
| Frequency Sweep | | | | | | | M1[1] | 18m Max -18.91 d8 |
| dām | | | | | | | | 99.454829 G |
| | | | | | | | | |
| | | | | | | | | |
| d8m | | | | | | | | |
| | | | | | | | | |
| d8m | | | | | | | | |
| | | | | | | | | |
| dsm | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| düm | | | | | | | | |
| -4.000 d8m | | | | | | | | |
| C PART 30 | | | | | | | | |
| - PORT and | | | | | | | | |
| dim | | | | | | | | M |
| | | | | | | | أعسف المتعدين | |
| and the second | and a subsection of the second se | A DELLARD AND A DELLARD | يتبيك كمحفظ بتريكين | مطرحه ويترجى المشاركة | | | | |
| | | | | | | | | |
| | | | | | | | | |
| l dBm | | | | | | | | |
| | | | | | | | | |
| 0 dBm | | | | | | | | |
| | | 70001 - | | | S E CIL- I | | | 100.00 |
| 5.0 GHz | | 70001 p | LS . | 2 | 2.5 GHz/ | | | 100.0 G |
| | | | | | | States and the second | C | |

09:41:44 21.07.2021

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

^{10:21:05 21.07.2021}





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° C.
- 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[°]C increments from -30[°]C to +50[°]C. 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 °C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
- 9. At all temperature levels hold the temperature to +/- 0.5° C 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 TEMP FREQUENCY Deviation Freq. Dev (VDC) (°C) (Hz) (Hz) (%) 3.8 +20(REF) 38499361000 1 / -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 -180000 38499181000 -0.0005%

n261, PUSCH DFT QPSK, 1RB

Frequency Error vs Temperature

OPERATING FREQUENCY: 27924960000Hz

| POWER | TEMP | FREQUENCY | Freq. Dev | Deviation |
|-------|----------|-------------|-----------|-----------|
| (VDC) | (°C) | (Hz) | (Hz) | (%) |
| 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 \ge 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



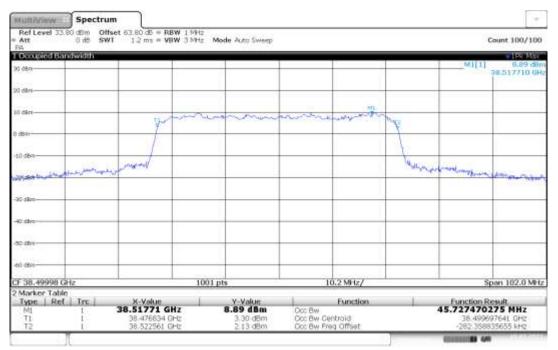


n260, 50MHz (99%)

MID CHANNEL

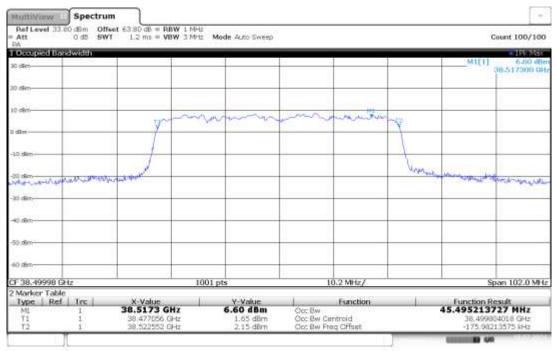
| Module0, CP-OFDM | | | | | | | |
|------------------|-----------------------------------------------|-------|-------|--|--|--|--|
| Frequency(MHz) | Trequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | |
| 28400.06 | QPSK | 16QAM | 64QAM | | | | |
| 38499.96 | 45.73 | 45.50 | 45.61 | | | | |

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



^{02:13:12 10.07.2021}

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



02:46:15 10.07.2021

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

02:57:07 10.07.2021

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) | | | | | | |
| 27025_04 | QPSK | 16QAM | 64QAM | | | |
| 37025.04 | 45.46 | / | / | | | |

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

| Att. 0 | | t 63.40 dB = RB 1.2 ms = VB | | ode Auto Sweep | | | | 0 | Count 100/100 |
|--------------------------------------------|------------|--------------------------------------|-------------------|---------------------------------|---------------------|---------------|-------|-------------------------|-------------------------|
| PA Cocupied Bandw | idth | Co (1.5 - 386) | AN USASIRE 13 | | | | | | a ta te start |
| 10 dBm | | | | | | | | M1[1] | 8.77 db 37.043100 GF |
| tū dām | | | _ | - | | | | | |
| D dêm | | 1122 | the second second | mm | magun | mi mi | | | |
| 1 d9m | | T | a sectore and | | and another an | Action of the | Y | | |
| 10 dBm | | | | | | | 1 | | |
| 29 dBm | 4 Ja Mener | haddread | | | | | andre | - | a historication |
| 30 dBm | | | | | | | | | |
| 40 dBm | | | | | | | | | |
| 50 dBm | | | - | | | - | | | |
| 60 dBm | | | - | | | | | | |
| F 37.02506 GHz | | | 1001 | its | 1 | 0.2 MHz/ | | S | pan 102.0 MH |
| Marker Table Type Ref 1 Mi Ti | Inc. | X-Value 37.0431 GH 37.002213 G | | Y-Value 8.77 dBm 2.71 dBm | Occ Bw Occ Bw Ce | Function | | Function R 45.456588 | |

03:12:58 10.07.2021





n260, 50MHz (99%)

HIGH CHANNEL

| Module0, CP-OFDM | | | | | | |
|-----------------------------------------------|-------|-------|-------|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | |
| 20075 | QPSK | 16QAM | 64QAM | | | |
| 39975 | 45.79 | / | / | | | |

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



03:40:21 10.07.2021



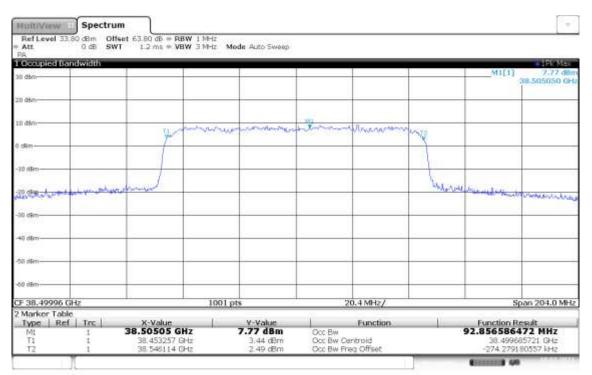


n260, 100MHz (99%)

MID CHANNEL

| Module0, CP-OFDM | | | | | | |
|-----------------------------------------------|-------|-------|-------|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | |
| 38499.96 | QPSK | 16QAM | 64QAM | | | |
| 36499.90 | 92.85 | 93.09 | 93.16 | | | |

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



20:40:29 10.07.2021



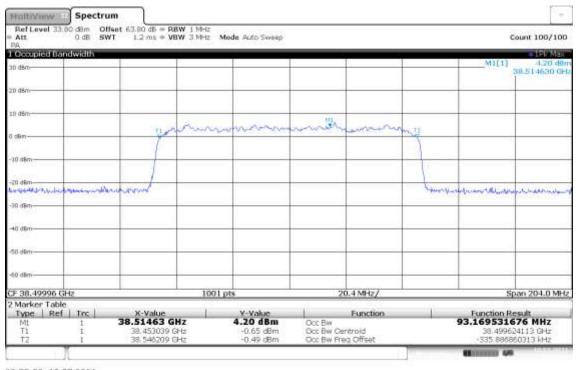


n260, 100MHz Bandwidth, 16QAM (99% BW)

| Holt/Wew 1 | Spectrum | | | | | | | | |
|-------------------------------|-------------|-------------------------------------------------|---------|---------------------------------------------|----------------------------------|-----------|---------|------------|--------------------------|
| RefLevel 33.8 # Att. PA | | | | Mode Auto Sweep | | | | | Count 100/100 |
| 1 Occupied Band | dwidth | _ | | | | | | | I Ski Mare |
| 30 dBm | | | | | | | | M1[1] | 6.98 d0n 38.537050 GH |
| 20 dBm | | | | | | | | - | |
| 10 dBm- | | V | rithing | man | unn | (min ment | 5 TE | | |
| 0 18m | | K | | | | | 4 | | |
| -30 dBm | | | | _ | | | | - | - |
| -20 dBm | | | | | | | No. | | |
| Massand | can here be | er- 10 | | | | | "Way of | manuman | 1990 - Minhaut |
| -30 dBm | | | - | | | | | | |
| -40 dBm | | | | - | | | | | |
| -50 dBm- | | | | | | | | - | |
| -60 dBm | | | | _ | | | | | |
| CF 38.49996 GH | z | | 100 | 1 pts | 2 | 0.4 MHz/ | | | ipan 204.0 MHz |
| 2 Marker Table | | | | | - 20 | | - N | | |
| Type Ref MI T1 T2 | | X-Value 38.53705 (38.452977 38.546069 | GHz | Y-Value 6.98 dBm 3.57 dBm 2.50 dBm | Occ Bw Occ Bw Cr Occ Bw Pr | | | | |
| | | | ar de | control to result () | a server to de la la | | 10 | Contrast 4 | |

20:47:46 10.07.2021

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



20:53:09 10.07.2021

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





LOW CHANNEL

| Module0, CP-OFDM | | | | | | | |
|-----------------------------------------------|------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 27050 | QPSK | 16QAM | 64QAM | | | | |
| 37050 | / | / | 93.09 | | | | |

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

| MultiView | Spectru | n) | | | | | | ×3 |
|----------------------------|------------------------|-----------------------------------------|------------|---------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------|
| Att | 40 dBm Offs 0 dB SW | et 63:40 dB = R I 1.2 ms = V | | Mode Auto Sweep | | | | Count 100/100 |
| PA L Occupied Ba | ndwidth | | | | | | | - 19k Max |
| 10 dBm | | | - | | | | | M1[1] 8.12 dBr 37.060390 GH |
| zo dim | | | | _ | | | | |
| 10 d8m | | | | y war when an | MI | and the second sec | | |
| | | 1 | Mar marine | Andrew March 1 | PORT NAME AND | Constant Constant. | The second | |
| 0 dem | | 1 | - | | | | | |
| 10 dBm | | + + | - | - | | | | |
| co dem jarrent | a horald | want | | _ | | | M | www. March march and |
| | Constant of the | | | | | | | 10002.02005 |
| 30 dBm | | | - | | | | | |
| 40 dBm | | - | - | | | | - | |
| 50 dBm | | | | _ | | | | |
| | | | | | | | | |
| -60 dBm | | | | | | | | |
| CF 37.05 GHz | | | 100 | 1 pts | | 20.4 MHz/ | | Span 204.0 MHz |
| 2 Marker Table | | X-Value | 10 | M Makes | | Frankland. | | Denskies Denski |
| Type Ref Mi Ti T2 | 1 1 | 37.06039 GI 37.00343 G 37.09653 G | Hz | Y-Value 8.12 dBm 2.88 dBm 4.54 dBm | Occ Bw Occ Bw C | Eunction entroid reg Offset | | Function Result 93.099485288 MHz 37.049979675 GHz -20.125371605 kHz |

22:54:01 12.07.2021





HIGH CHANNEL

| Module0, CP-OFDM | | | | | | | |
|-----------------------------------------------|------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 39949, 92 | QPSK | 16QAM | 64QAM | | | | |
| 59949.92 | / | / | 93.28 | | | | |

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

| MultiView E | Spectrum | | | | | | | | - |
|--------------------------|-------------------------|------------------------------|-----|-----------------|-------------------|-------------|-------|------------|---------------|
| Ref Level 35.0 Att | 0 dBm Offse 0 dB SWT | t 68.03 dB = R 1.2 ms = V | | Mode Auto Sweep | | | | | Count 100/100 |
| PA Occupied Bar | dwidth | _ | | | | | | | TER Max |
| CONTRACTANCE IN | 00/00/07 | | | | | | | M1[1] | 10.13 dB |
| 10 dBm | | | - | | | | | 102.45 | 39,914660 GF |
| | | | | _ | | | | | |
| 10 dBm- | | | | | | | | | |
| 10 dBm | - | | HI | CARL LINE MADE | an and the second | to and a | 0.000 | | |
| 0.00011 | | 7 | | | actores | 04304-0 | A TO | | |
|) dBm | | 1 | | | | | | | |
| | | 1 | | | | | | | |
| 10 dBm- | | | | | | | | _ | |
| 10 dbm | - de brateller | monthall | | | | 1 | Marin | Longen and | |
| Sa and the second | All and the second | | | | | | 107 | | - har and the |
| | | | | | | | | | |
| an dhe | | | - | - | | | | | - |
| | | | | | | | | | |
| 40 dBm | | | | | | | | - | |
| and and a second | | | | | | | | | |
| 50 dBm | | | | | | | | | |
| aŭ diterr | | | | | | | | | |
| | | | | | | | | | |
| F 39.94992 G | | | 10 | 01 pts | | 20.4 MHz/ | | | Span 204.0 MH |
| Marker Table Type Ref | | X-Value | | Y-Value | 1 | Function | | Function I | landt |
| Mt Mt | 1 100-1 | 39.91466 G | Hz | 10.13 dBm | Occ Bw | FURGINI | | 93.285605 | 483 MHz |
| T1 | 1 | 39.903077 (| | 6.54 dBm | Occ Bw O | | | | 719683 GHz |
| T2 | 1 | 39.9963624 | 3H2 | 5.73 dBm | Occ Bw Fr | eg Ultset - | | ·200.316 | 932938 kHz |

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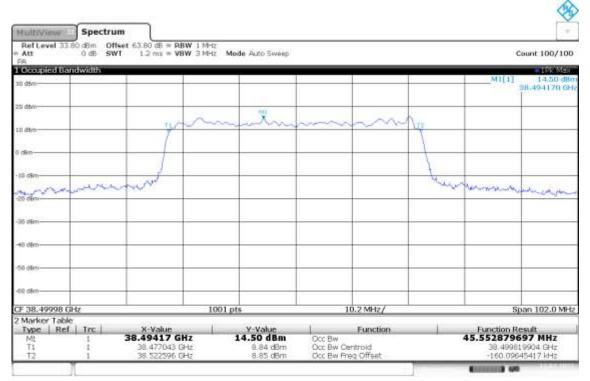


n260, 50MHz (99%)

MID CHANNEL

| Module0, PUSCH DFT | | | | | | | |
|-----------------------------------------------|--------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 38499.96 | QPSK | 16QAM | 64QAM | | | | |
| 36499.90 | 45. 55 | 45.46 | 45.38 | | | | |

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

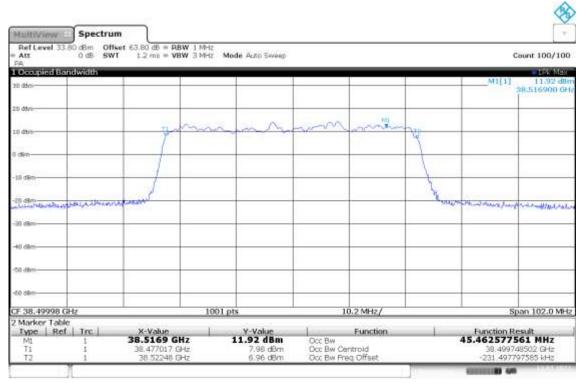


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n260, 50MHz Bandwidth, 16QAM (99% BW)



00:41:16 13.07.2021

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

| MultiView E | Spectru | m set 63.80 dB = 1 | ADDAL 1 LE LA | | | | | | 100 |
|------------------------------------------------|---------------------|-----------------------------------------------|---------------|---------------------------------------------|---------------------------------|----------|---------|------------------------------------------------------|------------------------|
| Att PA | 0 dB SW | | VBW 3 MHz | Mode Auto Sweep | | | | Ce | ount 100/100 |
| Occupied Bar | dwidth | | | | | | | | - LER Max |
| 10 d\$m | 090/09/07/ | | | | | | | M1[1] | 9.54 dB 8.515670 GF |
| to dêm | | - | | | | | | | |
| iD dBm | | 71 | | nmm | | | 10 | | |
|) dêm | | ľ | | | | | 7 | | |
| 10 dBm- | | 1 | - | _ | | - | 1 | | |
| 20 dBm | | - di | _ | | | | N. | | |
| Jana Marting Balling and | here and the second | radam. | | | | | The-tes | nimetriande | mound |
| | | | | | | | | | |
| 40 dBm | | | | | | | | | |
| 50 dBm | | - | | | | - | | | |
| 60 dBm | 1 | - | | | | | | | |
| F 38.49998 G | Hz | | 100 | 01 pts | া | 0.2 MHz/ | 1 | Sp | an 102.0 MH |
| 2 Marker Table Type Ref ML T1 T2 | | X-Value 38.51567 38.477208 38.522589 | GHz | Y-Value 9.54 dBm 4.18 dBm 4.73 dBm | Occ Bw Occ Bw O Occ Bw Fr | | 4 | Function Re 5.38120238 38.499898 -81.701326 | 299 GHz |



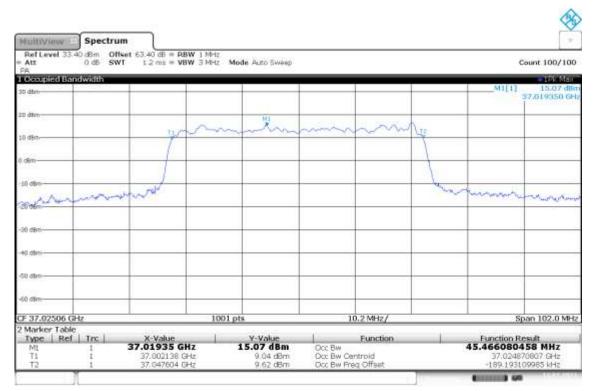


n260, 50MHz (99%)

LOW CHANNEL

| Module0, PUSCH DFT | | | | | | | |
|-----------------------------------------------|-------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 27025 04 | QPSK | 16QAM | 64QAM | | | | |
| 37025.04 | 45.46 | / | / | | | | |

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



01:20:49 13.07.2021



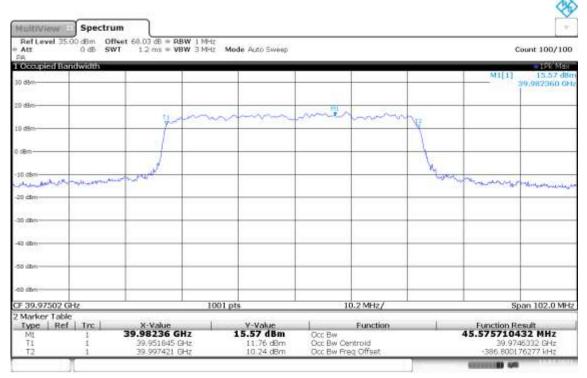


n260, 50MHz (99%)

HIGH CHANNEL

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

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



04:08:24 13.07.2021

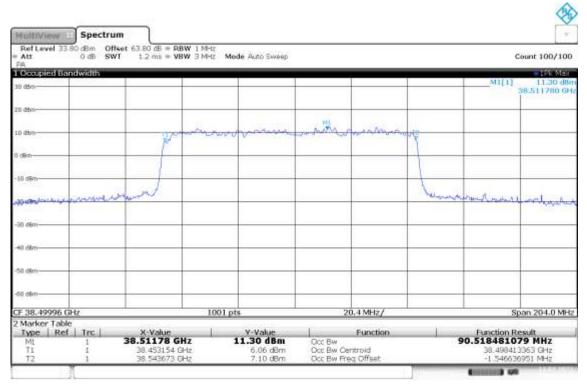




MID CHANNEL

| Module0, PUSCH DFT | | | | | | | |
|--------------------|-----------------------------------------------|-------|-------|--|--|--|--|
| Frequency(MHz) | Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | |
| 38499.96 | QPSK | 16QAM | 64QAM | | | | |
| 36499.96 | 90. 51 | 90.47 | 90.33 | | | | |

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



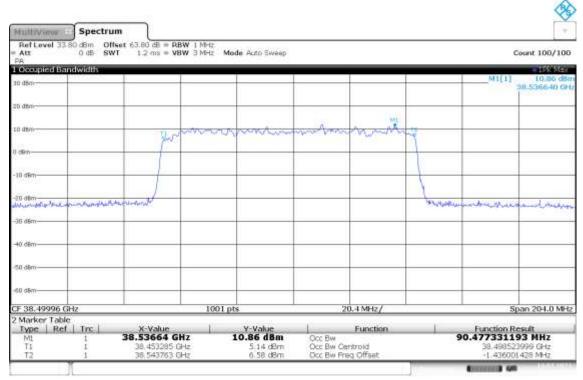
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 \wedge

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



04:24:21 13.07.2021

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

| Att 0 | 12 ms = 1 | VBW 3 MHz | Mode Auto Sweep | | | | | Count 100/100 |
|--------------------------------|------------------------|----------------|----------------------|---------------------------------|----------------|--------|-----------------------|-------------------------|
| Occupied Bandwi | ith | | | | | | | - Line Man |
| 10 d\$m | | 1 | | | | - | M1[1] | 6.27 dB 38.464700 GF |
| to dêm | | | _ | | | | | |
| 10 dB/9 | | man | umm | mas | and the second | 20 | | |
| l dên | Y | ne and success | | Lawrence and | www. | m - | | |
| 10 dBm | | - | | | - | 1 | | |
| 20 dBm | mound | - | _ | | - | hermon | a market a | |
| 38 dBm | 2000 BC | - | _ | | | 0.5000 | - 100000000 | |
| 40 d8m | | | | | - | | | |
| 50 dBm | | | | | | | | |
| 60 dBm | | | _ | | | | | |
| F 38.49996 GHz | | 1001 | pts | 3 | 20.4 MHz/ | | S | pan 204.0 MH |
| Marker Table Type Ref T | c X-Value | | Y-Value | 1.000 | Function | 1 | Function R | |
| Mt 1 Ti I | 38.4647 (38.453362 | | 6.27 dBm 1.17 dBm | Occ Bw Occ Bw C Occ Bw Fi | entroid | 9 | 0.3313577 38.49852 | 07 MHz 27468 GHz |

04:31:33 13.07.2021

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





LOW CHANNEL

| Module0, PUSCH DFT | | | | | | | |
|-----------------------------------------------|-------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 27050 | QPSK | 16QAM | 64QAM | | | | |
| 37050 | 90.14 | / | / | | | | |

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

| MultiView | Spectrum | n) | | | | | | | - |
|---------------------------|--------------------------------------------------|------------------------------------------|-------------------------|----------------------------------------------|----------------------------------|----------|----------------|-----------------------|---------------------------|
| Att | 3.40 dBm Offs 0 dB SW1 | et 63:40 dB = Rd 1.2 ms = VB | BW 1 MHz BW 3 MHz Mo | de Auto Sweep | | | | | Count 100/100 |
| PA L Occupied B | andwidth | _ | _ | | | | | | IFR Max |
| 10 dBm | | | | | | | 1 | M1[1] | 11.04 dBt 37.082810 GH |
| zo dim- | | | - | | | | | | |
| 10 dBm | | W | winner | - | mining | month, | 1 ¹ | | |
| 0.dem | | J. | | | | | 1 | | |
| -10 dBm | _ | | | | | | | | |
| 20 dim | a spectra and and and and and and and and and an | in normal | | | | | mound | Muran | warming his |
| Mr. Hoursense | Walter Handson | | | | | | | | |
| 30 dBm | | - | | - | | | | - | |
| 40 dBm | | | | | | | | | |
| 50 dBm | | | | | | | | | |
| 60 dBm | | | | | | | | | |
| CF 37.05 GHz | | | 1001 pt | ts. | 2 | 0.4 MHz/ | | S | pan 204.0 MHz |
| 2 Marker Tab | | X-Value | 1 | V. Ushin | | Function | | Function R | andt |
| Type Re Mi Ti T2 | | 37.08281 G 37.003653 C 37.093803 C | ∃Hz. | Y-Value 11.04 dBm 3.97 dBm 7.33 dBm | Occ Bw Occ Bw Ce Occ Bw Fn | entroid | S | 0.1499439 37.04872 | |

05:02:16 13.07.2021





HIGH CHANNEL

| Module0, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 39949, 92 | QPSK | 16QAM | 64QAM | | | |
| 59949.92 | 90.64 | / | / | | | |

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

| T1 T2 | 1 | 39.902993 0 39.99364 0 | a-lz. | 8.34 dBm 8.95 dBm | Occ Bw Ce Occ Bw Fre | | | | 6494 GHz 6377 MHz |
|----------------------------|-------------------------|---------------------------------------|-------|----------------------|-------------------------|----------|-------|---------------------------|----------------------|
| 2 Marker Table Type Ref | | X-Value 39.91364 G | Hz | Y-Value 12.16 dBm | Occ Bw | Function | , | Function F | |
| 7F 39.94992 GF | łz | | 100 | l pts | 2 | 0.4 MHz/ | | | pan 204.0 M |
| 60 dBm | | | - | - | | | | | |
| 50 dBm | | | | | | | | | |
| | | | | | | | | | |
| 40 dBm | | | | | | | | | |
| 10 dlim | | | | - | | | | | - |
| ili diim | | | | | | | 5340 | Contraction of the second | ware welting |
| 10 dBm | Andrewson | mont | | | | | hours | uman | |
| | | | | | | | | | |
| (BI) | | | | | | | | | |
| D dBm | | 11M | war | mmm | mon | mmin | - Po | | |
| D dêm | | | 1000 | - | | | | | |
| 0 dBm | | | | | | | | | 39,913640.6 |
| Occupied Ban | dwidth | - | | | | | | M1[1] | 12.16 d |
| RefLevel 35.0 Att | 0 dBm Offse 0 dB SWT | t 68.03 dB = RB 1.2 ms = VB | | Mode Auto Sweep | | | | | Count 100/10 |
| tultiview E | Spectrum | · · · · · · · · · · · · · · · · · · · | | | | | | | 1 |
| | | | | | | | | | - |

05:11:32 13.07.2021

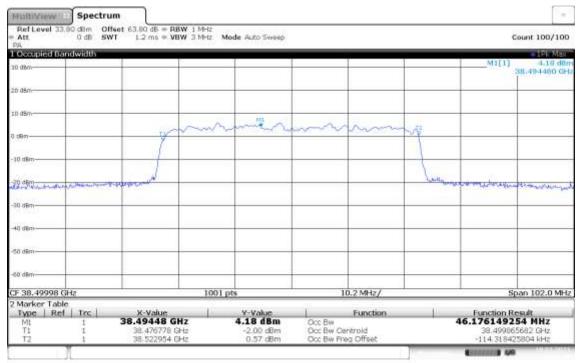




NOTE: Note: The worst modulation is QPSK, and we test follow setups used QPSK. **n260, 50MHz (99%) MID CHANNEL**

| Module1, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 38499.96 | QPSK | 16QAM | 64QAM | | | |
| 30499.90 | 46.18 | / | / | | | |

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



16:44:30 18.07.2021

LOW CHANNEL

| Module1, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 27025 04 | QPSK | 16QAM | 64QAM | | | |
| 37025.04 | 45.43 | / | / | | | |

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





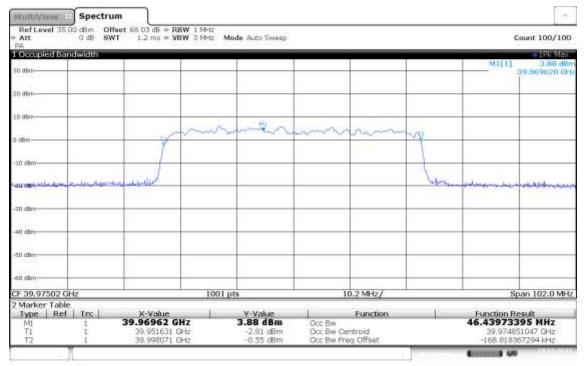
| HultiView | Spectrum | | | | | | |
|-----------------------------|--------------------------|------------------------------------------------|----------------------------------|-------------------------------------------------|--------|--------------------------------------|---------------------------|
| Ref Level 33 # Att PA | 40 dBm Offer 0 dB SWT | et 63.40 dB = RBW 1 M 1.2 ms = VBW 3 M | | | | Co | unt 100/100 |
| 1 Occupied Ba | indwidth | _ | | | | | LER Max |
| 30 dBm | | | | | | | 5,72 dilm 7,041360 GHz |
| 20 d8m | | | | | | | |
| 10 dêm | | | | | - | - | |
| 0 d9m | | ym | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | Nº | | |
| -10 dBm | | | | | | | |
| -20 pBm | while say they | mand | | | ha | martine Maria | et fourtheast |
| -30 dBm | | | | | | war obersed ber | |
| -40 dBm | | | | | | | |
| | | | | | | | |
| -50 dBm | | | | | | | |
| -60 dBm | | | | | | | |
| CF 37.02506 0 | 10,00 m | 0 / / · | 1001 pts | 10.2 MHz/ | 30 - C | Spa | an 102.0 MHz |
| 2 Marker Tabl | | X-Value | Y-Value | Function | - P | Function Re | - |
| Type Ref Mi Ti T2 | | 37.04136 GHz 37.002089 GHz 37.047515 GHz | 5.72 dBm 0.83 dBm 0.49 dBm | Occ Bw Occ Bw Centroid Occ Bw Freg Offset | | 45.4261001 37.02490 -257.72531 | LS MHZ 2275 GHz |
| () I | 1 | | | | 10 | Emma 44 | |

15:21:09 18.07.2021

HIGH CHANNEL

| Module1, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 27025 04 | QPSK | 16QAM | 64QAM | | | |
| 37025.04 | 46.44 | / | / | | | |

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



16:03:27 18.07.2021

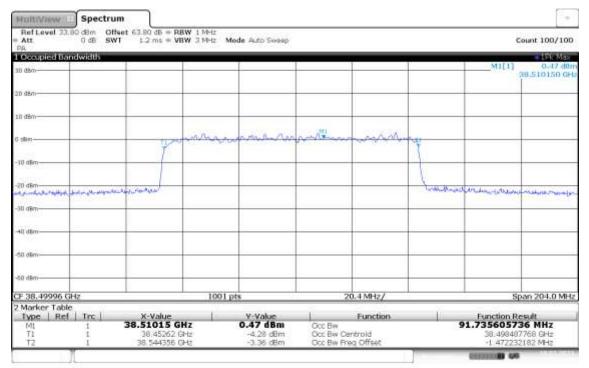




MID CHANNEL

| Module1, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 38499.96 | QPSK | 16QAM | 64QAM | | | |
| 36499.90 | 91.74 | / | / | | | |

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



17:17:59 18.07.2021

LOW CHANNEL

| Module1, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 27050 | QPSK | 16QAM | 64QAM | | | |
| 37050 | 91.34 | / | / | | | |

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





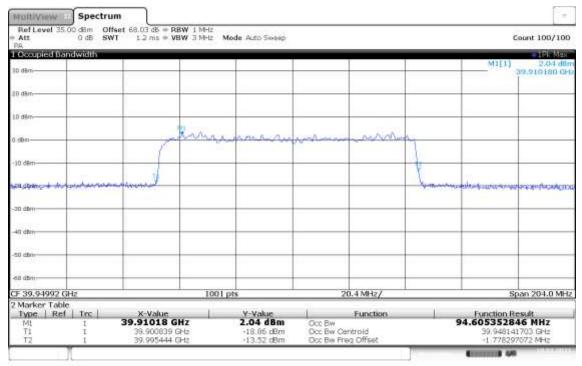
| Ref Level 33 = Att | Spectrum | et 63.40 dB = R | | Mode Auto Sweep | | | | | |
|-----------------------------------|--------------------------------------------|----------------------------------------------------|--------------|-----------------------------------------------|--------------------------------|-------------------------------------|---------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PA 1 Occupied Ba | and the first state | 1 - 201799-1762 | 890. 250.000 | | | | | 1 | THE MAKE |
| 30 dBm | | | - | | | | | M1[1] | 0.40 dilm 37.066800 GHz |
| 20 dBm | - | | - | - | | | | - | |
| 10 dBm | | - | | | | | | - | |
| 0 :38m | | 1 | ninna | manin | and a mar | manorton | Nº. | - | |
| -10 dlim | | | | - | | | | | |
| au dam | 100 2003 | here al | | | | | | | |
| الديني المريدين المريد -30 dbm | and an | and the second | | _ | | _ | And the | noto-decension in | and the second of the second o |
| -40 dbm | | | | _ | | | | | |
| -58 dBm | | | | | | | | | |
| -60 dBm | | | | _ | | | | | |
| CF 37.05 GHz | 0 | | 100 | 1 pts | - | 20.4 MHz/ | | S | pan 204.0 MHz |
| 2 Marker Tab | | A Mahar | | W. Mahar | 1 | F1 | 12 | Firm Mary D | |
| Re | | X-Value 37.0608 G 37.002797 (37.094132 (| 3Hz | V-Value 0.40 dBm -4.35 dBm -3.16 dBm | Occ Bw Occ Bw C Occ Bw P | Function Centrold Preg Offset | | | 650.8T 51 MHz 4618 GHz 2306 MHz |
| 2 | 1 | | | | | | 10 | Committee of | |

16:51:59 18.07.2021

HIGH CHANNEL

| Module1, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 39949, 92 | QPSK | 16QAM | 64QAM | | | |
| 39949.92 | 94.61 | / | / | | | |

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



17:25:36 18.07.2021

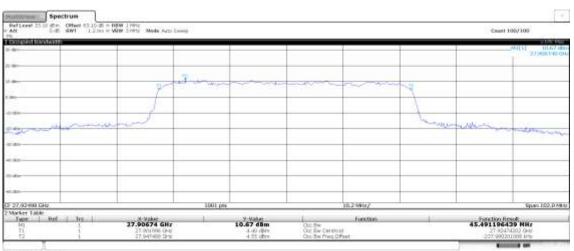




MID CHANNEL

| Module0, CP-OFDM | | | | | |
|------------------|--------------------------------|-------|-------|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | |
| 27024.06 | QPSK | 16QAM | 64QAM | | |
| 27924.96 | 45.49 | 45.39 | 45.21 | | |

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



16:29:53 03.07.2021

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

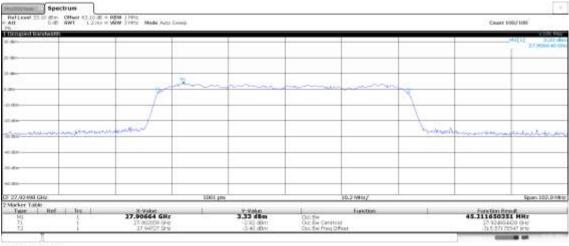
| | VRW Sinits Mode Airp I | Loose | | | | | Coast 1 | |
|--------------------------------------------|-----------------------------------------------------------|----------|---------------------------------------------|-----------------------------------------------------|-----------|----|--------------------------------------------------------|------------------------|
| TANK MARKAGE | | | | | | | | 4.00 0 77.00 7000 0 |
| | | | | | | | | |
| 2 | per- | | | w | | -2 | | |
| e | | | | | | | | - |
| | | | | | | 1 | 22,52340 | |
| | | | | | | | man in the large | to-nine,Midam. |
| | | | | | | | | |
| | | | | | | | | |
| -92-409 GHz | | 1001 prs | | | 10.2 MHz/ | | | Span 102,0 A |
| ker Table ween Ref Drom PD 1 Ti 1 | 31 Volue 27.90756 GHz 27.90200 0Hg 27.907417 0Hg | 1 | V-Value 4.90 dBm 0.14 dSm 0.09 dbm | Octow Octow Octow Cartical Octow Preg Offi | Function | | Function Res 45.39631614 27.434710 -251.41033 | 5931942 |

19:46:06 03.07.2021





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



19:55:54 03.07.2021

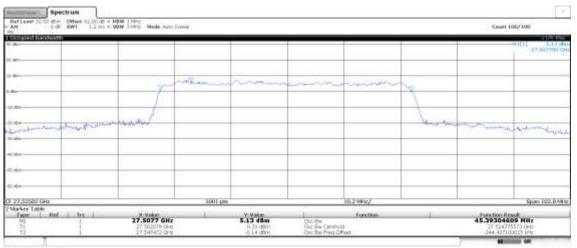
Note: The worst modulation is QPSK, and we test follow setups used QPSK.

n261, 50MHz (99%)

LOW CHANNEL

| Module0, CP-OFDM | | | | | | | | |
|-----------------------------------------------|-------|-------|-------|--|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | | |
| 27525 | QPSK | 16QAM | 64QAM | | | | | |
| 21323 | 45.39 | / | / | | | | | |

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



20:29:07 03.07.2021

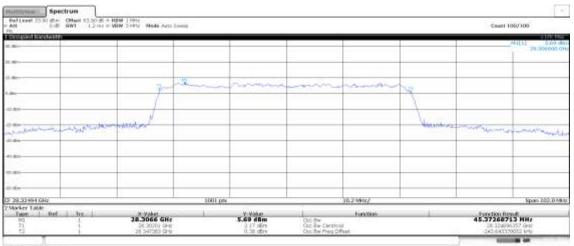




HIGH CHANNEL

| Module0, CP-OFDM | | | | | | | |
|-----------------------------------------------|-------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 28324.92 | QPSK | 16QAM | 64QAM | | | | |
| 20324.92 | 45.37 | / | / | | | | |

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



21:02:00 03.07.2021

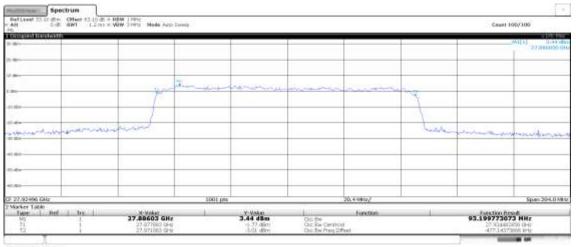




MID CHANNEL

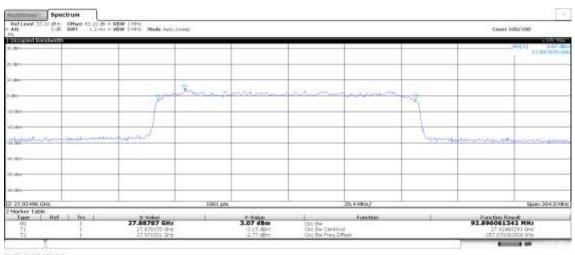
| Module0, CP-OFDM | | | | | | | |
|-----------------------------------------------|--------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 27924.96 | QPSK | 16QAM | 64QAM | | | | |
| 27924.96 | 93. 19 | 92.89 | 93.03 | | | | |

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



21:36:19 03.07.2021

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



21:44:41 03.07.2021

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





| F 27.92496 GF Marker Table Type Ref | | X-Value | 1001 | pts Y-Value | 2 | 0.4 MHz/ | | Sunction R | pan 204.0 MH |
|---------------------------------------------|--------------|------------|----------|----------------|----------------|----------|-------|---------------------|---------------------------|
| 60 dBm | | | - | - | | | | - | |
| 58 dBm | | | - | | | | | | |
| 10 dBm | | | | | | | | - | |
| Bollinghandrand | renationally | annow soul | | | | | Unphy | Martine martine Law | harmans |
| tu dam | | | | - | | | | | |
| 10 dBm | | | | | | | 1 | | |
| dbri | | i i i i | Mar Sand | | and the second | whiteman | ∿_tr | | |
| D dilm | | | | _ | | | | | |
| D dBm | | | | _ | | | | | |
| D dželo | owidin | | | | | | | M1[1] | -0.99 dft 27.888480 GF |
| 94 Occupied Ban | duviettla | 57-2157-68 | 2AUGAIH | | | | | | I FIRMER |

08:59:09 04.07.2021

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





LOW CHANNEL

| Module0, CP-OFDM | | | | | | | |
|-----------------------------------------------|--------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 27550.09 | QPSK | 16QAM | 64QAM | | | | |
| 27550.08 | 93. 23 | / | / | | | | |

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

| HultiView | Spectrur | • | | | | | | | |
|--------------------------------------------------------------------------------------------------|------------------------|------------------------------------|---------|------------------------------------|-----------------------------------|-----------|--------|----------------------|--------------------------|
| Ref Level 32. # Att. PA | 00 dBm Offs 0 dB SW | et 62.00 dB = 1.2 ms = | | Mode Auto Sweep | | | | | Count 100/100 |
| 1 Occupied Ba | ndwidth | | | | | | | | I Skeldare |
| 30 dêm | | | | | | | | -M1[1] | 0.60 dBn 27.515430 GH |
| 30 dilm- | | - | | | | | | - | |
| 10 dBm | | - | | | | | | | |
| 0 cBm | | 120 | million | Agumment. | mann | Marinetto | - | | - |
| -10 dBm- | | f. | | | | | 1 | | |
| | | | | | | | | | |
| -20 dam- All all marked and all all all all marked and all all all all all all all all all al | فيرسلونهم الفعري | wowned | | | | - | bernte | had a start | awatranside |
| -40 dBm | | | | | | | | | |
| -50 dBm | | - | - | | | | | _ | |
| -60 dbm | | | | | | | | | |
| CF 27.55008 C | | <u>.</u> | 100 |)1 pts | 2 | 0.4 MHz/ | | 5 | pan 204.0 MHz |
| 2 Marker Table Type Ref | | X-Value | - 1 | Y-Value | 1 | Function | - ii | Function R | andt |
| MI TI TZ | | 27.51543 27.503272 27.596497 | GHz | 0.60 dBm -2.53 dBm -3.32 dBm | Occ Bw Occ Bw Oa Occ Bw Fre | ntroid | | 93.225001 27.5496 | |
| | 8 | | | | | | 10 | 2000000 44 | |

09:07:29 04.07.2021





HIGH CHANNEL

| Module0, CP-OFDM | | | | | | | |
|-----------------------------------------------|-------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 28200.06 | QPSK | 16QAM | 64QAM | | | | |
| 28299.96 | 93.10 | / | / | | | | |

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

| HultiView | Spectrum | Course and | | | | | | | |
|------------------------------|-------------------------|------------------------------|--------|------------------------|---------------------------------|-----------|---------|---------------------------|-------------------------|
| Ref Level 333 Att PA | 0 dBm Offee 0 dB SWT | t 63.90 dB = 1 1.2 ms = 1 | | Mode Auto Sweep | | | | Co | ount 100/100 |
| 1 Occupied Bar | idwidth | | | | | | | | I She Max |
| 30 dBm | | | | | | | | M1[1] | 1.89 dBr 8.264300 GH |
| 20 dBm | | | | | | - | | | |
| 10 dBm | | | ML | | | | | - | |
| 0 dBm | | i. | mernel | Laminord. | minor | Andrew | No. | - | |
| -10 dBm | | | | - | | | 1 | - | |
| -20 dBm | | | | _ | | | | _ | |
| | enselstrim halet | canal. | | _ | | | A CHARL | where and the most | tomprovada dive |
| -40 dBm | | | | _ | | | | - | |
| -58 dēm | I | | - | - | | | | | |
| -60 dBm | | | | - | | - | | | |
| CF 28.29996 G | Hz | | 1001 | pts | 1 3 | 20.4 MHz/ | | Sp | an 204.0 MHz |
| 2 Marker Table Type Ref | | X-Value 28.2643 | | Y-Value 1.89 dBm | 1 | Function | - P | Function Re 93.1014083 | |
| MI T1 T2 | 1 1 | 28.253225 28.346326 | GHz | -2.36 dBm -3.52 dBm | Occ Bw Occ Bw O Occ Bw Fr | | | 28.29977 -184.76712 | 5233 GHz |
| () () | | | | | | | 10 | Excercit 4/9 | |

09:14:54 04.07.2021

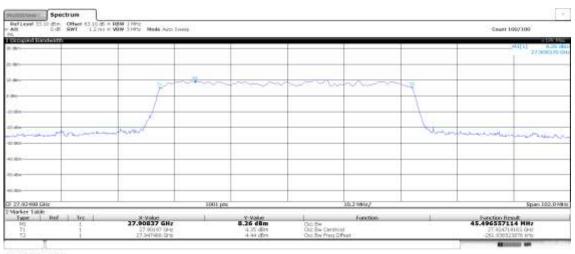




MID CHANNEL

| Module0, PUSCH DFT | | | | | | | |
|-----------------------------------------------|--------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 27024.06 | QPSK | 16QAM | 64QAM | | | | |
| 27924.96 | 45. 49 | 45.31 | 45.36 | | | | |

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



17:05:36 03.07.2021

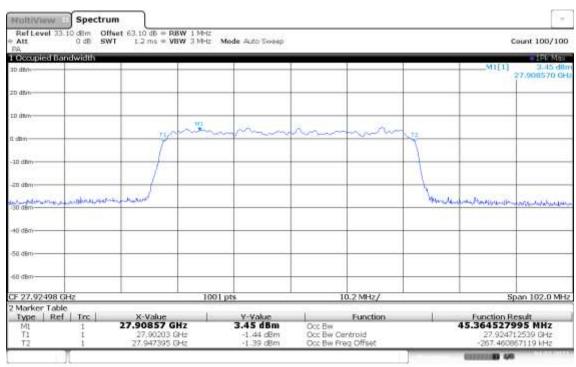
n261, 50MHz Bandwidth, MID CHANNEL,16QAM (99% BW)

| PALL. | 0 dB 50 | WT 1.2 ms = VBV | N 3 MHz 1 | Mode Auto Sweep | | | | | Count 100/100 |
|-----------------------|----------|-----------------------------|-----------|----------------------|-----------------------------------------|-----------|-------|----------------------------|------------------------|
| Occupied I | andwidth | | | | | | | وربي بر را محصصه | 15k Max |
| 10 dBm | | | | | | | | M1[1] | 5.52 di 27.919680 G |
| ab dBm | | | | - | | | | | |
| to dilm | - | | | ML | | | | | |
| dbn | | y~ | m | - man | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | m | 14 | | |
| 10 dbm | | - / | | _ | | | | | |
| atti dBmi | - | | | _ | | | | | |
| 30 dBm | wanter | marked | | - | | | Arine | and an and an and a second | horana |
| 40 dBm | | _ | | | | | | | |
| 58 dBm | | _ | | _ | - | | | | |
| 60 dBm | | _ | | _ | | | | | |
| F 27.92498 | GHz | | 1001 | pts | - 3 | 10.2 MHz/ | | s | pan 102.0 MH |
| Marker Ta Type R | | X-Value | 1 | Y-Value | 1 | Function | 1 | Function R | esult |
| MI Ti | 1 | 27.91968 GH 27.901975 GH | | 5.52 dBm 0.26 dBm | Occ Bw Occ Bw O | entroid | | 45.314677 | 32173 GHz |

^{10:21:17 04.07.2021}







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

10:30:09 04.07.2021

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





LOW CHANNEL

| Module0, PUSCH DFT | | | | | | | |
|-----------------------------------------------|-------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 97595 | QPSK | 16QAM | 64QAM | | | | |
| 27525 | 45.18 | / | / | | | | |

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

| Ref Level 32.00 dBm # Att 0 dB | Cfrum Offset 62.00 dB = RBW 11 SWT 1.2 ms = VBW 31 | A-Iz A-Iz Mode Auto Sweep | | | Count 100/100 |
|--------------------------------------------------------------|----------------------------------------------------------|----------------------------------|-------------------------------------------------|----------|---------------------------------------------------------|
| PA 1 Occupied Bandwidth | | | | | - Fighter |
| 3D dêm- | | | | | |
| ap dem- | | | | | |
| 10 dkm | n X | mm | min | N/2 | |
| 0 :@m | T | - | | Y | |
| -10 dēm | | | | 1 | |
| -20 dBm -da que de charles (normalis a marche) -30 dBm | - In considerable | | | human | montherest |
| -40 dBm | | | | | |
| -50 dim | | | | | |
| -60 dbm | | | | | |
| CF 27.52502 GHz | | 1001 pts | 10.2 MHz/ | | Span 102.0 MHz |
| 2 Marker Table Type Ref Trc | X-Value | V-Value | Function | <u> </u> | Function Result |
| ML 1 T1 1 T2 1 | 27.5076 GHz 27.50206 GHz 27.547239 GHz | 6.97 dBm 0.95 dBm 0.76 dBm | Occ Bw Occ Bw Centroid Occ Bw Freg Offset | | 179369753 MHz 27.524649558 GHz -370.442345654 kHz |
| | | | | | A (11111) |

11:11:21 04.07.2021





HIGH CHANNEL

| Module0, PUSCH DFT | | | | | | | | |
|-----------------------------------------------|------|-------|-------|--|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | | |
| 20224 02 | QPSK | 16QAM | 64QAM | | | | | |
| 28324. 92 45. 14 / / | | | | | | | | |

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



11:20:28 04.07.2021





MID CHANNEL

| Module0, PUSCH DFT | | | | | | | |
|--------------------------------------|---------------------------------------------|-------|-------|--|--|--|--|
| Frequency(MHz) | equency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | |
| 27024.06 | QPSK | 16QAM | 64QAM | | | | |
| 27924.96 90. 99 90. 55 90. 45 | | | | | | | |

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

| HaltiView | Spectrum | | | | | | 8 |
|-----------------------------------------|--------------------------|------------------------------------------------|----------------------------------|-------------------------------------------------|-----------|----------------------|--------------------------|
| Ref Level 33. Att | 10 dBm Offse 0 dB SWT | t 63.10 dB = RBW 1 M 1.2 ms = VBW 3 M | Hz Hz Mode Auto Sweep | | | c | ount 100/100 |
| PA I Occupied Bar | ndwidth | CS. (-31) - 00477311701 | | | | | - Challen |
| 3D d8m | | | | | | M1[1] | 5.56 dBn 27.886440 GH |
| 20 dBm | | | | | - | | Contract Contractor |
| 10 dlm | | 19 | | | | | |
| 0 dBm | | - Thereway | mummin | mannen | "Fe | | |
| -10 dlm | | | | | 1 | | |
| -20 dBm | | | | | | | |
| -30 dBm | norman | and the second | | | levering. | anter have my | - distinguised on |
| -+0 d8m | | | | | | _ | |
| 58 dBm | | | | | | | |
| -60 dBm | | | | | | | |
| CF 27.92496 G | Hz | | 1001 pts | 20.4 MHz/ | | S | pan 204.0 MHz |
| 2 Marker Table Type Ref | | X-Value | Y-Value | Function | 1 | Function R | and t |
| MI T1 T2 | 1 1 1 | 27.88644 GHz 27.877743 GHz 27.968734 GHz | 5.56 d8m 2.82 dBm 2.40 dBm | Occ Bw Occ Bw Centroid Occ Bw Freq Offset | 9 | 27.92323 -1.72148 | 77 MHz 8514 GHz |
| 6 - L - L - L - L - L - L - L - L - L - | 1 | | | | 10 | Committee 4/0 | |

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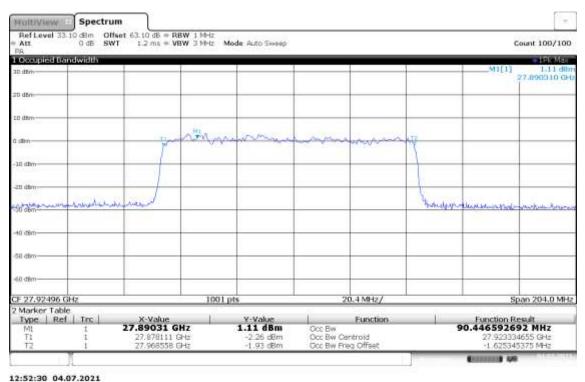


| RefLevel 33 | 10 dBm Off | set 63.10 dB = RBW 1 | | | | | | |
|---------------------------|-----------------------|------------------------------------------------|-----------------------------------|------------|-----------|---------|------------------------|---------------------------|
| PA | 0 dB 5W | /T 1.2 ms = VBW 3 | MHz Mode Auto Swi | eeb. | | | | Sount 100/100 |
| 1 Occupied Ba | andwidth | | | | | | | I Pic Max |
| 30 d8m | | | | | | | M1[1] | 2.73 diln 27.889090 GH |
| 20 dBm | | | | | | | - | |
| 10 dim | | | | | | | | |
| 0 dBm | | your the | mm | man | mann | -to | | |
| -10 dBm | - | | | _ | | 1 | - | |
| -20 dbm | | | | _ | | 1 | | - |
| -30 dBm | and the second second | and and a second | | | | bardent | life medayana | maghile |
| -40 dBm | | | | | | | - | |
| -58 dBm | | | | | | | | |
| -60 dBm | | | | _ | | | | |
| CF 27.92496 (| | | 1001 pts | 3 | 20.4 MHz/ | | s | pan 204.0 MHz |
| 2 Marker Tabl Type Ref | | X-Value | Y-Value | 1 | Function | 1 | Function R | thore |
| MI T1 T2 | | 27.88909 GHz 27.878169 GHz 27.968716 GHz | 2.73 dBi -2.18 dBi -0.22 dB | m Occ Bw O | entroid | 2 | 90.5474233 27.92344 | |
| | 1 | | | | | | - | |

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

12:45:45 04.07.2021

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



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





LOW CHANNEL

| Module0, PUSCH DFT | | | | | | | |
|-----------------------------------------------|------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 27550.09 | QPSK | 16QAM | 64QAM | | | | |
| 27550.08 91.04 / / | | | | | | | |

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

| Ref Level 32.0 | | t 62.00 dE = RBV 1.2 ms = VBV | | de Auto Sweep | | | | | = Count 100/100 |
|------------------------------|---------------------|--------------------------------------------|---------|----------------------------------|-----------------------------------|----------|-------|-----------------------|--------------------------|
| PA 1 Occupied Ban | idwidth | | | | | | | | IFk Max |
| 30 dêm | | | | | | | | M1[1] | 4.14 dtm 27.513400 GH |
| 20 dêm | | | | | | | | | |
| 10 dBm- | | | | | | | | | |
| 1948/1224 1949-1959 | | 12.00 | MAR . | mm | minn | mannen | W. | | |
| 0 cBm- | | M | | | | | 1 | | |
| -10 dBm- | | | | | | | 1 | | |
| -00 dam | | | | | | | | | |
| - Billion | and an internet and | running | | | | | hours | annon | hermonie |
| -40 d8m | | | | | | | | _ | |
| - 0.00 M | | | | | | | | | |
| -50 d§m | | | | | | | | | - |
| -60 dbm | | | | | | | | | |
| CF 27.55008 G | Hz | | 1001 pt | 8 | 2 | 0.4 MHz/ | | S | pan 204.0 MHz |
| 2 Marker Table Type Ref | | X-Value | 1 | V-Value | 1 | Function | i i | Function R | endt |
| MI TI TZ | | 27.5134 GH 27.502909 GH 27.593952 GH | ź | 4.14 dBm 1.50 dBm 0.96 dBm | Occ Bw Occ Bw Oe Occ Bw Fre | ntroid | 1 | 91.0427929 27.5484 | |
| | - | | | | | | 10 | Contrast 44 | |

14:27:29 04.07.2021





HIGH CHANNEL

| Module0, PUSCH DFT | | | | | | | |
|-----------------------------------------------|------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 22200.06 | QPSK | 16QAM | 64QAM | | | | |
| 28299.96 90.98 / / | | | | | | | |

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

| Ref Level 33 # Att | | et 63.90 dB = RB | | fode Auto Sweep | | | | | |
|----------------------------|-------------|--------------------------------------------------------|----------|---------------------------------------------|-----------------------------------|----------|---------|-----------------|--------------------------|
| PA 1 Occupied Ba | ndwidth | | AUBANA S | | | | | | - |
| 30 dBm | | | | - | | | | M1[1] | 4.85 dBn 28.287530 GH |
| 20 dBm | | | | | | | - | - | |
| 10 dBm | | | | Tot . | | | 0 | - | |
| 0 dBm | 1 | X~ | man | intern | www.ww | Wwww | - | _ | |
| -10 dBm | | | | | | | | | - |
| -20 dBm | | | | _ | | | | | |
| -30 dBm | lunus and | maned | | - | | | Johnson | malluburborborg | - ale much |
| -40 dBm | | | | _ | | | | _ | |
| -58 dēm | | | | | | | | | |
| -60 dBm | | | | _ | | | - | - | - |
| CF 28.29996 C | Hz | | 1001 | pts | 20 | 0.4 MHz/ | | s | pan 204.0 MHz |
| 2 Marker Tabl | | | | | - 70 | | 1 | | |
| Type Ref ML T1 T2 | 1 1 1 | X-Value 28.28753 GH 28.252774 GP 28.343757 GP | 12 | V-Value 4.85 dBm 1.80 dBm 1.21 dBm | Occ Bw Occ Bw Oe Occ Bw Fre | | | | |
| | 7 | | | | | | | Contract of | |

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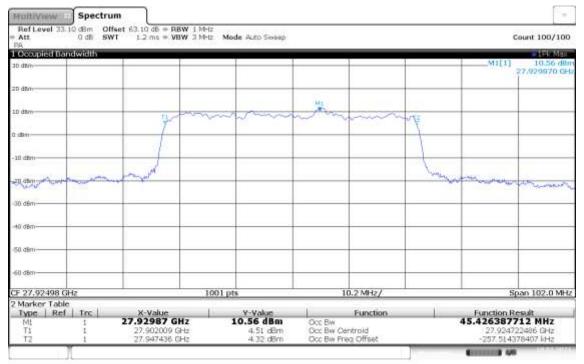




NOTE: Note: The worst modulation is QPSK, and we test follow setups used QPSK. **n261, 50MHz (99%) MID CHANNEL**

| Module1, PUSCH DFT | | | | | | | |
|-----------------------------------------------|------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 27024 06 | QPSK | 16QAM | 64QAM | | | | |
| 27924.96 45.43 / / | | | | | | | |

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



19:00:12 18.07.2021

LOW CHANNEL

| Module1, PUSCH DFT | | | | | | | |
|-----------------------------------------------|------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 97595 | QPSK | 16QAM | 64QAM | | | | |
| 27525 45.57 / / | | | | | | | |

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





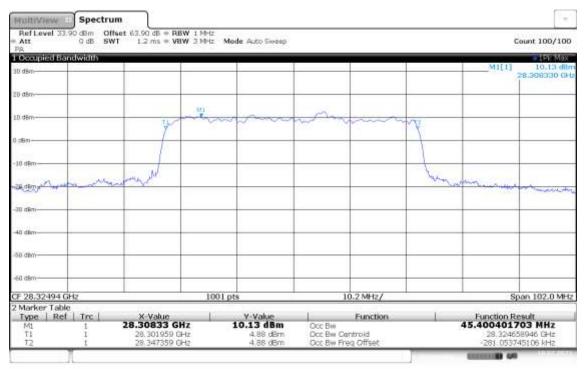
| HultiView | Spectrum | | | | | | | | |
|----------------------------|--------------------------|---------------------------------------------|------|----------------------------------|----------------------------------|------------|-----|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefLevel 32 # Att PA | OD dBm Offer TWB Bb 0 | et 62.00 dB = RB 1.2 ms = VB | | Mode Auto Sweep | | | | (| ount 100/100 |
| 1 Occupied Ba | ndwidth | | _ | | | | | | IFK Max |
| 30 dim- | | | | | | | | M1[1] | 8.24 dilm 27.519420 GH |
| 2D dBm | | | | | | | | | |
| 10 dilm | | 12 | m | row | m | | 10 | | |
| 0 dhin | | | | | | | 1 | | |
| -10 dBm | | | | | | | | - | |
| -20 dbm | mon | por d | - | - | | | ban | ming | man |
| -30 dBm | | | | - | | | | | |
| -40 dBm | | | | _ | | | | | - |
| -50 dBm | | | | | | | | | |
| -60 dBm | | | | | | | | | |
| CF 27.52502 0 | 364.7 | | 100 | l pts | | 0.2 MHz/ | | | an 102.0 MHz |
| 2 Marker Table | | | 100. | i pus | | 0.2 00 127 | | 0 | 3401 102.0 90 12 |
| Type Ref | | X-Value | 11 | Y-Value | 1 | Function | 1 | Function R | esult |
| M1 T1 T2 | 1 1 1 | 27.51942 GH 27.502031 GH 27.547603 GH | -tz | 8.24 dBm 2.78 dBm 2.10 dBm | Occ Bw Dcc Bw Ce Occ Bw Fr | entroid | | 45.5715097 27.5248 | 15 MHz 17197 GHz 09248 kHz |
| | 1 | | | | | | | E | Contraction of the local division of the loc |

18:33:18 18.07.2021

HIGH CHANNEL

| Module1, PUSCH DFT | | | | | | | |
|-----------------------------------------------|------|-------|-------|--|--|--|--|
| Frequency(MHz) Occupied Bandwidth (99%) (MHz) | | | | | | | |
| 20224 02 | QPSK | 16QAM | 64QAM | | | | |
| 28324. 92 45.40 / / | | | | | | | |

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



19:23:50 18.07.2021

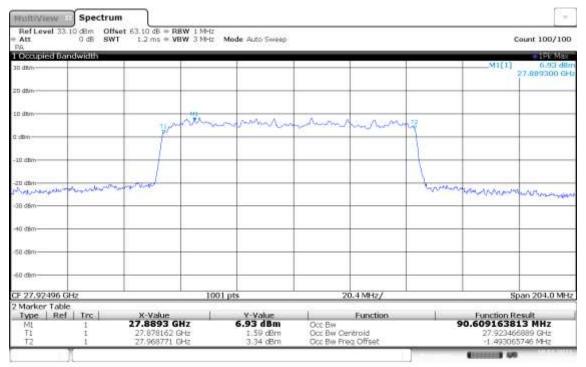




MID CHANNEL

| Module1, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 27924.96 | QPSK | 16QAM | 64QAM | | | |
| 27924.90 | 90.61 | / | / | | | |

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



19:54:40 18.07.2021

LOW CHANNEL

| Module1, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 27550.00 | QPSK | 16QAM | 64QAM | | | |
| 27550. 08 | 90.63 | / | / | | | |

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





| HultiView | | Constant and the second | | | | | | | - |
|---------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------|-----------------------------------------------------------|------------|-----------------------------------------------------------------------------|------------------|--------------------------|
| Ref Level 33 # Att. PA | | et 62.00 dB = RBW 1.2 ms = VBW | | de Auto Sweep | | | | c | ount 100/100 |
| 1 Occupied B | andwidth | | | | | | | | I Ek Max |
| 30 dêm | | | | | | | | | 3,76 d8n 27,564140 GH |
| 20 dêm- | | | | | | | | | |
| 10 dBm | | | | minun | A ML I | n m. | 12 | | |
| 0 :@m | - | - The state | a manual | Comment Com | ~~~~~ | And man a | 1 | - | |
| -10 dēm- | - | | | · | | | | | |
| -20 dBm | Anenn | inner | | | | | Lun | n-hannananananan | 104 |
| -30 d8m- | | | | | | | | | and the second states |
| -40 dBm | - | | | | | | | | |
| -50 dBm | | | | | | | | | |
| -60 dbm | | | | | | | | - | |
| CF 27.55008 | GHz | | 1001 pt | s | 2 | 0.4 MHz/ | | S | oan 204.0 MHz |
| 2 Marker Tab | | ar an burn | 1 | | - 10 | Transform. | | | |
| Type Ref Trc M1 1 1 T1 1 1 T2 1 1 | | Tric X-Value 1 27.56414 GHz 1 27.503363 GHz 1 27.593989 GHz 1 27.593989 GHz | | Y-Value 3.76 dBm -0.22 dBm 1.95 dBm | Occ Bw Occ Bw Occ Bw Centroid Occ Bw Freg Offset | | Function Result 90.626318673 MHz 27.549675992 GHz -1.404018361 MHz | | |
| 10 I | 1 | | | | | | 111 | Contract 40 | |

19:31:28 18.07.2021

HIGH CHANNEL

| Module1, PUSCH DFT | | | | | | |
|--------------------|--------------------------------|-------|-------|--|--|--|
| Frequency(MHz) | Occupied Bandwidth (99%) (MHz) | | | | | |
| 28200.06 | QPSK | 16QAM | 64QAM | | | |
| 28299.96 | 90.79 | / | / | | | |

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

| HaltiView 1 | Spectrum | | | | | | | | | |
|----------------------------|-----------------------------------------------------|--------------------------------|------|----------------------------------|-------------------------------------------------|----------|------|----------------------|--------------------------------|--|
| | 0 dBm Offse 0 dB SWT | t 63.90 dB = RE 1.2 ms = VB | | Mode Auto Sweep | | | | | Count 100/100 | |
| 1 Occupied Ban | dwidth | | | | | | | | IFK Max | |
| 30 dBm | | | S | | | | | M1[1] | 6.77 ditn 28.264500 GH | |
| 20 dBm | | | - | - | | - | | - | | |
| 10 dBm- | | D. A | in | man | | -n sann | | | | |
| 0.c8n | | Jun | | | | | 1 | - | - | |
| -10 dBm | | | _ | - | | | | _ | | |
| -20 dim | million | m | - | _ | | | Lawa | manut | A | |
| -30 dim | | _ | | _ | | | | - | - narring | |
| 40 dBm- | | | | _ | | | _ | | | |
| -50 dBm | | | - | _ | | _ | _ | - | | |
| -60 dBm | | | | _ | | | | | | |
| CF 28.29996 GH | lz | | 1001 | pts | 2 | 0.4 MHz/ | | 5 | pan 204.0 MHz | |
| 2 Marker Table Type Ref | Tec | X-Value | - 11 | Y-Value | i. | Function | 1 | Function P | loadt . | |
| Mi Ti T2 | 1 28.2645 GHz 1 28.253004 GHz 1 28.343792 GHz | | Hz | 6.77 dBm 3,77 dBm 4,73 dBm | Occ Bw Occ Bw Centroid Occ Bw Freq Offset | | | 90.787726 28.2983 | | |
| | | | | | | | 05 | | Concession of Street, or other | |

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