FCC Part 22H, Part 24E, FCC Part 27

TEST REPORT

For

FEITIAN Technologies Co., Ltd.

Floor 17th, Tower B, Huizhi Mansion, No.9 Xueqing Road, Haidian District, Beijing, China

FCC ID: ZD3FTF20SC200RNA

Report Type:	**Product Type:**
Original Report	Android POS Terminal

Report Producer : Nana Hsu

Report Number : RXZ210922002RF05

Report Date : 2021-11-10

Reviewed By: Andy Shih

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Revision History

Revision	No.	Report Number	Issue Date	Description	Author/ Revised by
0.0	RXZ210922002	RXZ210922002RF05	2021.11.10	Original Report	Nana

TABLE OF CONTENTS

General Information

Product Description for Equipment under Test (EUT)

Applicant	FEITIAN Technologies Co., Ltd.		
	Floor 17th, Tower B, Huizhi Mansion, No.9 Xueqing Road, Haidian District, Beijing, China		
Manufacturer	FEITIAN Technologies Co., Ltd.		
	Floor 17th, Tower B, Huizhi Mansion, No.9 Xueqing Road, Haidian District, Beijing, China		
Brand(Trade) Name	N/A		
Product (Equipment)	Android POS Terminal		
Main Model Name	F20 FP		
Series Model Name	F20		
Model Discrepancy	F20 FP with Touch Function F20 without Touch Function		
Frequency Range	WCDMA Band II: 1850-1910 MHz MHz(TX), 1930-1990 MHz(RX) WCDMA Band V: 824-849 MHz(TX), 869-894 MHz(RX) LTE Band 2: 1850-1910 MHz(TX), 1930-1990MHz(RX) LTE Band 4: 1710-1755 MHz(TX), 2110-2155MHz(RX) LTE Band 5: 824-849 MHz(TX), 869-894 MHz(RX) LTE Band 7: 2500-2570 MHz(TX), 2620-2690 MHz(RX) LTE Band 12: 699-716 MHz(TX), 729-746 MHz(RX) LTE Band 13: 777-787 MHz(TX), 746-756 MHz(RX) LTE Band 14: 788-798 MHz(TX), 758-768 MHz(RX) *(Note)* LTE Band 17: 704-716 MHz(TX), 734-746 MHz(RX) LTE Band 25: 1850-1915 MHz(TX), 1930-1995 MHz(RX) LTE Band 26: 814-849 MHz(TX), 859-894 MHz(RX) *(Note)* LTE Band 41: 2496-2690 MHz(TX), 2496-2690 MHz(RX) LTE Band 66: 1710-1780 MHz(TX), 2110-2200 MHz(RX) LTE Band 71: 663-698 MHz(TX), 617-652 MHz(RX)		
Modulation Technique	QPSK, 16QAM		
Antenna Specification	Mode	Type	Gain(dBi)
	WCDMA Band II	PIFA	3.00
	WCDMA Band V	PIFA	-1.00
	LTE Band 2	PIFA	3.00
	LTE Band 4	PIFA	3.00
	LTE Band 5	PIFA	-1.00
	LTE Band 7	PIFA	2.00
	LTE Band 12	PIFA	2.00
	LTE Band 13	PIFA	2.00
	LTE Band 14	PIFA	2.00
	LTE Band 17	PIFA	2.00
	LTE Band 25	PIFA	3.00
	LTE Band 26	PIFA	-1.00
	LTE Band 41	PIFA	2.00
	LTE Band 66	PIFA	3.00

	LTE Band 71	PIFA	2.00
Output Voltage	☒ AC 120V/60Hz ☒ Adapter1 Brand Name: DEE VAN Model:DSA-10PF06-05 FUS I/P: 100-240Vac,0.3A O/P: 5Vdc, 2.0A Adapter 2 Brand Name: TEKA Model:TEKA-UCA20US I/P: 100-240Vac,0.35A O/P: 5Vdc, 2.0A ☐ By AC Power Cord ☐ PoE		
	☒ DC Type ☒ Battery: Rechargeable Li-ion Battery Rechargeable Li-polymer Battery Brand Name: ShenZhen Utility Power Source Co., Ltd. Model: D07 7.6V dc_2500mAh ☐ DC Power Supply ☐ External from USB Cable ☐ External DC Adapter		
Received Date	Sep. 24, 2021		
Date of Test	Oct. 03, 2021 ~ Nov. 10, 2021		

** All measurement and test data in this report was gathered from production sample serial number: RXZ210922002-01(Assigned by BACL)*

Note: LTE band 14 & 26 results, refer to report number: CR21100011-00 which is tested by China Certification ICT Co., Ltd (Dongguan) lab.

Objective

This report is prepared on behalf of *eSky wireless Inc.* in accordance with Part 2, Part 22-Subpart H and Part 24-Subpart E , Part 27 of the Federal Communication Commission's rules.

The objective is to determine the compliance of EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability, and band edge.

Related Submittal(s)/Grant(s)

FCC Part 15.407 NII submission with FCC ID: ZD3FTF20SC200RNA
FCC Part 15.247 DTS Submittal with FCC ID: ZD3FTF20SC200RNA
FCC Part 15.247 DSS Submittal with FCC ID: ZD3FTF20SC200RNA
FCC Part 15.225 DXX submissions with FCC ID: ZD3FTF20SC200RNA
FCC Part 90 PCB submissions with FCC ID: ZD3FTF20SC200RNA

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2-Subpart J as well as the following parts:

Part 22 Subpart H –Public Mobile Services
Part 24 Subpart E – Personal Communications Services
Part 27 – Miscellaneous wireless communications services
All emissions measurement was performed at Bay Area Compliance Laboratories Corp. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Statement of Compliance

Decision Rule: No, (The test results do not include MU judgment)

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
The determination of the test results does not require consideration of the uncertainty of the measurement, unless the assessment is required by customer agreement, regulation or standard document specification.
Bay Area Compliance Laboratories Corp. is not responsible for the authenticity of the information provided by the applicant that affects the test results.

Measurement Uncertainty

Parameter		Uncertainty
RF output power, conducted		+/- 0.98 dBm
Frequency stability		+/- 0.02 MHz
Occupied Bandwidth		+/- 0.35 MHz
Unwanted Emissions, conducted		+/- 2.16 dBm
Emissions, radiated	30 MHz~1GHz	+/- 5.22 dB
	1 GHz~18 GHz	+/- 6.12 dB
	18 GHz~40 GHz	+/- 4.99 dB
Temperature		+/- 1.27 °C
Humidity		+/- 3 %

Environmental Conditions

Test Site	Test Data	Temperature (℃)	Relative Humidity (%)	ATM Pressure (hPa)	Test Engineer
Radiation Spurious Emissions	2021/10/1~2021/10/4	24.1~26.7	56~58	1010	David Lee
Conducted Spurious Emissions	2021/10/3~2021/11/10	23.3~25.7	42~51	1010	Boris Kao
Emission Bandwidth	2021/10/3~2021/10/12	24.8~25.7	42~51	1010	
Maximum Output Power	2021/10/3~2021/10/12	24.8~25.7	42~51	1010	
Band Edge	2021/10/3~2021/11/10	23.3~25.7	42~51	1010	
Frequency stability	2021/10/3~2021/10/12	24.8~25.7	42~51	1010	

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. to collect test data is located on ☒70, Lane 169, Sec. 2, Datong Road, Xizhi Dist., New Taipei City 22183, Taiwan, R.O.C.

Bay Area Compliance Laboratories Corp. Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3732) and the FCC designation No.TW3732 under the Mutual Recognition Agreement (MRA) in FCC Test.

System Test Configuration

Description of Test Configuration

The EUT was configured for testing according to ANSI C63.26-2015.

The final qualification test was performed with the EUT operating at normal mode.

Channel List

Mode	Bandwidth	Test Frequency	
WCDMA Band II		Low	1852.4
		Middle	1880.0
		High	1907.6
WCDMA Band V		Low	826.4
		Middle	836.6
		High	846.6
LTE Band 2	1.4	Low	1850.7
		Middle	1880.0
		High	1909.3
	3	Low	1851.5
		Middle	1880.0
		High	1908.5
	5	Low	1852.5
		Middle	1880.0
		High	1907.5
	10	Low	1855.0
		Middle	1880.0
		High	1905.0
	15	Low	1857.5
		Middle	1880.0
		High	1902.5
	20	Low	1860.0
		Middle	1880.0
		High	1900.0

LTE Band 4	1.4	Low	1710.7
		Middle	1732.5
		High	1754.3
	3	Low	1711.5
		Middle	1732.5
		High	1753.5
	5	Low	1712.5
		Middle	1732.5
		High	1752.5
	10	Low	1715.0
		Middle	1732.5
		High	1750.0
	15	Low	1717.5
		Middle	1732.5
		High	1747.5
	20	Low	1720.0
		Middle	1732.5
		High	1745.0
LTE Band 5	1.4	Low	824.7
		Middle	836.5
		High	848.3
	3	Low	825.5
		Middle	836.5
		High	847.5
	5	Low	826.5
		Middle	836.5
		High	846.5
	10	Low	829.0
		Middle	836.5
		High	844.0

LTE Band 7	5	Low	2502.5
		Middle	2535.0
		High	2567.5
	10	Low	2505.0
		Middle	2535.0
		High	2565.0
	15	Low	2507.5
		Middle	2535.0
		High	2562.5
	20	Low	2510.0
		Middle	2535.0
		High	2560.0
LTE Band 12	1.4	Low	699.7
		Middle	707.5
		High	715.3
	3	Low	700.5
		Middle	707.5
		High	714.5
	5	Low	701.5
		Middle	707.5
		High	713.5
	10	Low	704.0
		Middle	707.5
		High	711.0
LTE Band 13	5	Low	779.5
		Middle	782.0
		High	784.5
	10	Low	/
		Middle	782.0
		High	/

LTE Band 17	5	Low	706.5
		Middle	710.0
		High	713.5
	10	Low	709.0
		Middle	710.0
		High	711.0
LTE Band 25	1.4	Low	1850.7
		Middle	1882.5
		High	1914.3
	3	Low	1851.5
		Middle	1882.5
		High	1913.5
	5	Low	1852.5
		Middle	1882.5
		High	1912.5
	10	Low	1855.0
		Middle	1882.5
		High	1910.0
	15	Low	1857.5
		Middle	1882.5
		High	1907.5
	20	Low	1860.0
		Middle	1882.5
		High	1905.0
LTE Band 41	5	Low	2498.5
		Middle	2595.0
		High	2687.5
	10	Low	2501.0
		Middle	2595.0
		High	2685.0
	15	Low	2503.5
		Middle	2595.0
		High	2682.5
	20	Low	2506.0
		Middle	2595.0
		High	2680.0

LTE Band 66	1.4	Low	1710.7
		Middle	1745.0
		High	1779.3
	3	Low	1711.5
		Middle	1745.0
		High	1778.5
	5	Low	1712.5
		Middle	1745.0
		High	1777.5
	10	Low	1715.0
		Middle	1745.0
		High	1775.0
	15	Low	1717.5
		Middle	1745.0
		High	1772.5
	20	Low	1720.0
		Middle	1745.0
		High	1770.0
LTE Band 71	5	Low	665.5
		Middle	680.5
		High	695.5
	10	Low	668.0
		Middle	680.5
		High	693.0
	15	Low	670.5
		Middle	680.5
		High	690.5
	20	Low	673.0
		Middle	680.5
		High	688.0

Equipment Modifications

No modification was made to the EUT.

EUT Exercise Software

N/A.

Test Mode

Pre-scan

Radiated Spurious Emissions

Mode 1: F20 FP + Adapter (Model : DSA-10PF06-05 FSU).

Mode 2: F20 FP + Adapter (Model : TEKA-UCA20US).

Mode 3: F20 + Adapter (Model : DSA-10PF06-05 FSU).

Mode 4: F20 + Adapter (Model : TEKA-UCA20US).

Worst case is the F20 + Adapter (Model : DSA-10PF06-05 FSU).

Full System F20 + Adapter (Model : DSA-10PF06-05 FSU) for all test item.

Support Equipment List and Details

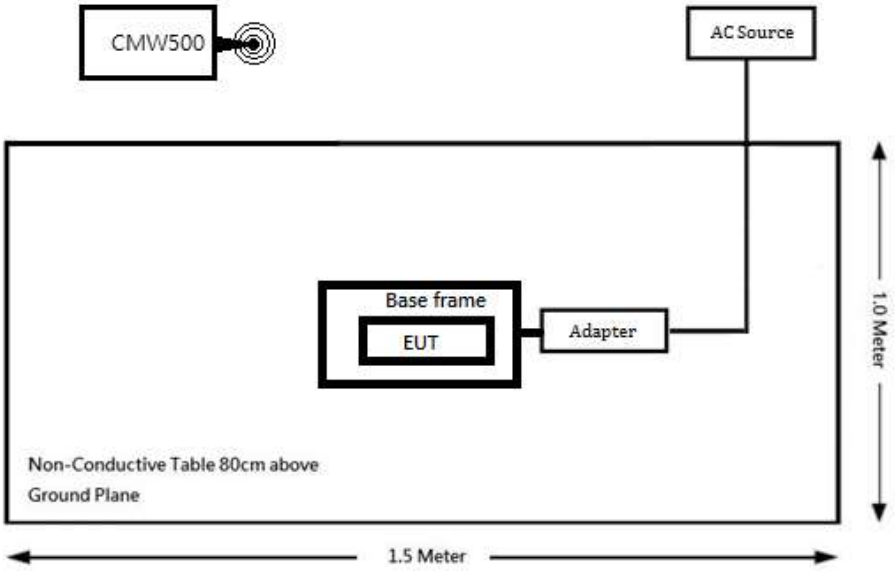
Description	Manufacturer	Model Number	S/N
NB	DELL	E6410	8N7PXN1
Adapter-1	DEE VAN ENTERPRISE	DSA-10PF06-05 FSU	N/A
Adapter-2	TEKA	TEKA-UCA20US	N/A
Dock	FEITIAN	F20-1	N/A

Support Equipment List and Details

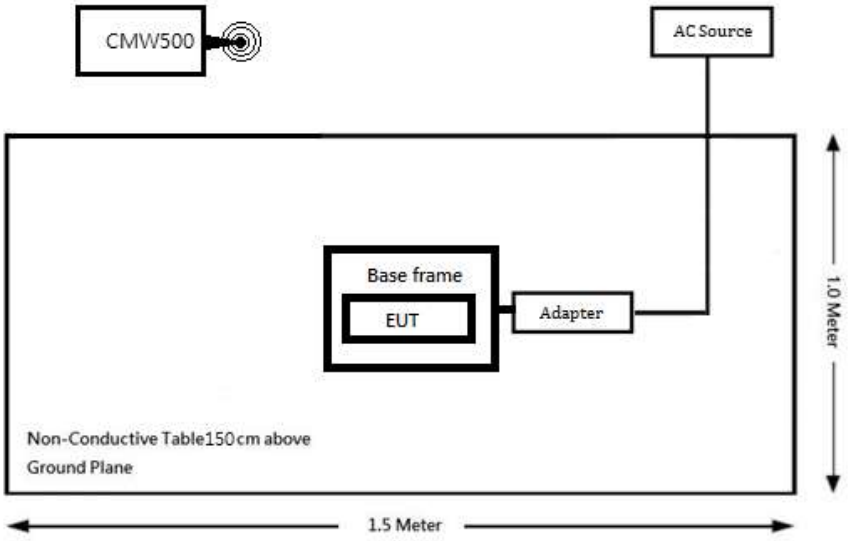
Cable Description	Length (m)	From Port	To
USB Cable	1.5	Adapter	EUT

Block Diagram of Test Setup

For Radiated Emissions (Below 1GHz).



For Radiated Emissions (Above 1GHz).



Summary of Test Results

FCC Rules	Description of Test	Result
§1.1310 ,§ 2.1093	RF Exposure	Compliance
§2.1046; §22.913 (a); §24.232(c) ;§27.50	RF Output Power	Compliance
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; §22.905; §22.917; §24.238 ;§27.53	Occupied Bandwidth	Compliance
§ 2.1051; §22.917(a); §24.238(a) ;§27.53	Spurious Emissions at Antenna Terminal	Compliance
§ 2.1053; §22.917(a); §24.238(a) ;§27.53	Field Strength of Spurious Radiation	Compliance
§22.917(a); §24.238(a) ;§27.53	Band Edge	Compliance
§ 2.1055; §22.355; §24.235 ;§27.54	Frequency stability	Compliance

Note: LTE band 14 & 26 results, refer to report number: CR21100011-00 which is tested by China Certification ICT Co., Ltd (Dongguan) lab.

Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Room (966-A)					
Bilog Antenna with 6 dB Attenuator	SUNOL SCIENCES & MINI-CIRCUITS	JB6/UNAT-6+	A050115/15542_01	2021/01/19	2022/01/18
Horn Antenna	EMCO	3115	9311-4158	2021/08/26	2022/08/25
Horn Antenna	ETS-Lindgren	3116	62638	2021/08/11	2022/08/10
Preamplifier	Sonoma	310N	130602	2021/06/08	2022/06/07
Preamplifier	A.H. system Inc.	PAM-0118P	466	2020/11/5	2021/11/4
Microware Preamplifier	EM Electronics Corporation	EM18G40G	060656	2020/12/30	2021/12/29
EMI Test Receiver	Rohde & Schwarz	ESR7	101419	2020/11/12	2021/11/11
Spectrum Analyzer	Rohde & Schwarz	FSV40	101435	2021/01/07	2022/01/06
Micro flex Cable	UTIFLEX	UFB197C-1-2362-70U-70U	225757-001	2021/2/1	2022/1/31
Coaxial Cable	COMMATE	PEWC	8Dr	2020/12/25	2021/12/24
Coaxial Cable	UTIFLEX	UFB311A-Q-1440-300300	220490-006	2021/2/1	2022/1/31
Coaxial Cable	JUNFLON	J12J102248-00-B-5	AUG-07-15-044	2020/12/25	2021/12/24
Cable	EMC	EMC105-SM-SM-10000	201003	2021/2/3	2022/2/2
Wideband Radio Communcation Tester	Rohde & Schwarz	CMW500	149170	2021/5/5	2022/5/4
Turn Table	Champro	TT-2000	060772-T	N.C.R	N.C.R
Antenna Tower	Champro	AM-BS-4500-B	060772-A	N.C.R	N.C.R
Controller	Champro	EM1000	60772	N.C.R	N.C.R
Software	Farad	EZ_EMC	BACL-03A1	N.C.R	N.C.R
Conducted Room					
Spectrum Analyzer	Rohde & Schwarz	FSV40	101140	2021/1/7	2022/1/6
Cable	UTIFLEX	UFA210A	9435	2020/10/08	2021/10/07
Attenuator	MINI-CIRCUITS	BW-S10W5+	1419	2021/1/28	2022/1/27
Power Splitter	Mini-Circuits	ZFRSC-183-S+	S F448201614	2021/6/23	2022/6/22

Temp & Humidity Chamber	BACL	BTH-150	30028	2021/1/18	2022/1/17
Wideband Radio Communcation Tester	Rohde & Schwarz	CMW500	149170	2021/5/5	2022/5/4

***Statement of Traceability:** BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to the SI System of Units via the R.O.C. Center for Measurement Standards of the Electronics Testing Center, Taiwan (ETC) or to another internationally recognized National Metrology Institute (NMI), and were compliant with the current Taiwan Accreditation Foundation (TAF) requirements.*

FCC §1.1310, § 2.1091 - RF Exposure

Applicable Standard

FCC§1.1310, §2.1093.

RF Exposure Evaluation Result

Please refer to the SAR report, report No.: RXZ210922002SA01.

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E, Part 27, there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

FCC § 2.1046, § 22.913 (A) & § 24.232 (C) & § 27.50 - RF Output Power

Applicable Standard

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC §2.1046 and §24.232 (C), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to §24.232 (d) Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

According to FCC §2.1046 and §27.50 (d), (4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bandsmust employ a means for limiting power to the minimum necessary for successful communications.

According to §27.50
(b)(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

(c) (10) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

(d), (4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

(h),(2) Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure

For Conducted method:

The RF output of the transmitter was connected to the CMW500 through sufficient attenuation

For ERP measurement:

ERP can be calculated by below formula from KDB 412172 D01.

$EIRP=P_T + G_T - L_C$

P_T = transmitter output power, in dBm.

G_T = gain of the transmitting antenna, in dBi (EIRP).

L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

ERP = EIRP – 2.15 dB.

Test Results

WCDMA Band II

Antenna Gain (dBi):	3	Cable Loss (dB):	0.5

Mode	Test Condition	Test Mode	3GPP Sub Test	Average Output Power (dBm)			Maximum EIRP(dBm)
				Low Frequency	Middle Frequency	High Frequency	
WCDMA (Band II)	Normal	RMC12.2Kbps	1	22.16	22.28	22.14	24.78
		HSDPA	1	22.17	21.94	22.27	
			2	22.27	21.93	22.06	
			3	22.18	22.07	22.19	
			4	22.16	21.98	22.22	
		HSUPA	1	22.21	22.01	22.12	
			2	22.25	21.92	22.20	
			3	22.20	22.06	22.19	
			4	22.18	22.08	22.16	
			5	22.15	21.93	22.08	
		HSPA+	1	22.18	22.03	22.06	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

WCDMA Band V

Antenna Gain (dBi):	-1	Antenna Gain (dBd):	-3.15	Cable Loss (dB):	0.2

Mode	Test Condition	Test Mode	3GPP Sub Test	Average Output Power (dBm)			Maximum ERP(dBm)
				Low Frequency	Middle Frequency	High Frequency	
WCDMA (Band V)	Normal	RMC12.2Kbps	1	22.02	22.24	22.10	18.89
		HSDPA	1	22.06	22.09	22.12	
			2	22.06	22.09	22.10	
			3	22.12	22.06	22.09	
			4	22.03	21.97	22.23	
		HSUPA	1	22.11	22.09	22.21	
			2	22.06	22.13	22.09	
			3	22.09	22.02	22.15	
			4	21.98	21.98	22.22	
			5	22.09	22.09	22.13	
		HSPA+	1	22.05	22.12	22.23	

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

LTE Band 2

Antenna Gain (dBi):	3	Cable Loss (dB):	0.5

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
1.4M	QPSK	RB1#0	21.99	21.66	21.80	24.49
		RB1#3	21.95	21.66	21.86	
		RB1#5	21.97	21.63	21.78	
		RB3#0	21.78	21.38	21.72	
		RB3#3	21.82	21.69	21.68	
		RB6#0	20.80	20.62	20.76	
	16-QAM	RB1#0	20.86	20.61	20.64	23.64
		RB1#3	21.02	20.78	21.06	
		RB1#5	20.97	20.85	21.14	
		RB3#0	20.82	20.53	20.70	
		RB3#3	20.86	20.36	20.89	
		RB6#0	19.49	19.54	19.83	
3M	QPSK	RB1#0	21.75	21.51	21.62	24.25
		RB1#8	21.41	21.48	21.61	
		RB1#14	21.47	21.36	21.49	
		RB6#0	21.34	21.22	21.25	
		RB6#9	20.53	20.48	20.54	
		RB15#0	20.49	20.38	20.34	
	16-QAM	RB1#0	20.88	20.68	20.41	23.72
		RB1#8	20.85	20.97	20.41	
		RB1#14	21.22	21.01	20.43	
		RB6#0	19.65	19.59	19.42	
		RB6#9	19.86	19.67	19.54	
		RB15#0	19.56	19.31	19.42	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
5M	QPSK	RB1#0	21.61	21.45	21.35	24.11
		RB1#13	21.58	21.34	21.32	
		RB1#24	21.49	21.33	21.28	
		RB15#0	21.35	21.35	21.15	
		RB15#10	20.85	20.39	20.50	
		RB25#0	20.71	20.33	20.32	
	16-QAM	RB1#0	20.21	20.82	20.24	23.32
		RB1#13	20.35	20.67	20.44	
		RB1#24	20.34	20.73	20.41	
		RB15#0	19.47	19.38	19.40	
		RB15#10	19.63	19.34	19.68	
		RB25#0	19.88	19.28	19.45	
10M	QPSK	RB1#0	21.56	21.57	21.54	24.07
		RB1#25	21.42	21.47	21.53	
		RB1#49	21.46	21.54	21.51	
		RB25#0	21.36	21.27	21.21	
		RB25#25	20.72	20.52	20.44	
		RB50#0	20.52	20.34	20.37	
	16-QAM	RB1#0	20.83	20.83	20.51	23.96
		RB1#25	21.46	20.80	20.46	
		RB1#49	21.10	20.93	20.56	
		RB25#0	19.80	19.63	19.54	
		RB25#25	19.89	19.72	19.65	
		RB50#0	19.59	19.57	19.45	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
15M	QPSK	RB1#0	21.85	21.47	21.45	24.35
		RB1#38	21.52	21.41	21.26	
		RB1#74	21.50	21.43	21.41	
		RB36#0	21.36	21.27	21.22	
		RB36#39	20.65	20.43	20.33	
		RB75#0	20.51	20.33	20.44	
	16-QAM	RB1#0	20.86	20.89	20.68	23.39
		RB1#38	20.88	20.72	19.95	
		RB1#74	20.68	20.81	20.61	
		RB36#0	19.53	19.53	19.42	
		RB36#39	19.64	19.51	19.21	
		RB75#0	19.54	19.43	19.52	
20M	QPSK	RB1#0	22.02	22.07	21.90	24.57
		RB1#50	21.56	22.03	21.38	
		RB1#99	21.41	21.74	21.46	
		RB50#0	21.88	21.93	21.75	
		RB50#50	20.71	20.71	20.69	
		RB100#0	20.79	20.69	20.61	
	16-QAM	RB1#0	21.31	20.72	21.32	24.03
		RB1#50	21.51	20.93	21.18	
		RB1#99	21.09	20.70	21.53	
		RB50#0	20.01	19.74	19.63	
		RB50#50	19.82	19.92	19.69	
		RB100#0	19.81	19.70	19.64	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

LTE Band 4

Antenna Gain (dBi):	3	Cable Loss (dB):	0.5

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
1.4M	QPSK	RB1#0	22.00	21.88	21.51	24.50
		RB1#3	21.93	21.87	21.45	
		RB1#5	21.99	21.71	21.42	
		RB3#0	21.75	21.84	21.43	
		RB3#3	21.80	21.80	21.56	
		RB6#0	20.87	21.03	20.57	
	16-QAM	RB1#0	21.05	21.17	20.47	23.99
		RB1#3	21.17	21.49	20.56	
		RB1#5	20.95	21.49	20.46	
		RB3#0	20.89	20.84	20.59	
		RB3#3	20.75	20.88	20.52	
		RB6#0	20.03	19.84	19.63	
3M	QPSK	RB1#0	22.01	21.94	21.56	24.51
		RB1#8	21.73	21.63	21.25	
		RB1#14	21.95	21.91	21.37	
		RB6#0	21.70	21.78	21.29	
		RB6#9	20.79	20.83	20.33	
		RB15#0	20.75	20.93	20.39	
	16-QAM	RB1#0	21.10	21.43	20.32	23.93
		RB1#8	21.02	21.09	20.05	
		RB1#14	21.10	21.24	20.51	
		RB6#0	19.85	19.61	19.53	
		RB6#9	20.04	19.90	19.45	
		RB15#0	19.69	19.80	19.51	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
5M	QPSK	RB1#0	21.87	21.87	21.77	24.54
		RB1#13	21.82	21.80	21.37	
		RB1#24	21.71	22.04	21.51	
		RB15#0	21.67	21.72	21.35	
		RB15#10	20.84	20.96	20.53	
		RB25#0	20.79	21.03	20.51	
	16-QAM	RB1#0	20.24	21.01	20.38	23.90
		RB1#13	20.26	20.86	20.16	
		RB1#24	20.45	21.40	20.43	
		RB15#0	19.53	19.83	19.45	
		RB15#10	19.91	19.96	19.41	
		RB25#0	19.76	19.93	19.41	
10M	QPSK	RB1#0	22.04	22.03	21.71	24.64
		RB1#25	21.82	21.79	21.65	
		RB1#49	22.01	22.14	21.62	
		RB25#0	21.76	21.73	21.58	
		RB25#25	20.96	20.97	20.47	
		RB50#0	20.85	21.00	20.61	
	16-QAM	RB1#0	21.28	21.18	20.51	24.31
		RB1#25	21.39	21.20	20.66	
		RB1#49	21.27	21.81	20.36	
		RB25#0	19.80	19.84	19.76	
		RB25#25	19.97	20.14	19.71	
		RB50#0	19.81	19.96	19.51	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
15M	QPSK	RB1#0	22.02	21.97	21.55	24.52
		RB1#38	21.94	21.66	21.52	
		RB1#74	21.84	21.78	21.49	
		RB36#0	21.81	21.71	21.41	
		RB36#39	20.96	21.02	20.41	
		RB75#0	21.04	20.87	20.42	
	16-QAM	RB1#0	21.05	21.55	20.86	24.31
		RB1#38	21.10	21.81	20.65	
		RB1#74	21.17	21.78	20.57	
		RB36#0	19.98	19.80	19.43	
		RB36#39	19.98	20.06	19.51	
		RB75#0	20.02	20.00	19.41	
20M	QPSK	RB1#0	22.28	22.41	22.15	24.91
		RB1#50	21.89	22.19	21.55	
		RB1#99	21.72	22.32	21.53	
		RB50#0	22.21	22.33	21.91	
		RB50#50	20.96	20.82	20.61	
		RB100#0	21.03	20.99	20.59	
	16-QAM	RB1#0	21.29	21.04	21.12	24.30
		RB1#50	21.80	20.71	21.56	
		RB1#99	21.27	21.13	21.21	
		RB50#0	20.10	19.73	19.58	
		RB50#50	19.97	20.22	19.55	
		RB100#0	20.22	20.01	19.58	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

LTE Band 5

Antenna Gain (dBi):	-1	Antenna Gain (dBd):	-3.15	Cable Loss (dB):	0.2

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum ERP (dBm)
1.4M	QPSK	RB1#0	22.72	22.49	22.41	19.37
		RB1#3	22.50	22.36	22.43	
		RB1#5	22.51	22.19	22.40	
		RB3#0	22.47	22.36	22.38	
		RB3#3	22.41	22.39	22.36	
		RB6#0	21.37	21.51	21.45	
	16-QAM	RB1#0	21.66	21.79	21.52	18.55
		RB1#3	21.88	21.90	21.48	
		RB1#5	21.85	21.73	21.40	
		RB3#0	21.48	21.50	21.83	
		RB3#3	21.39	21.42	21.26	
		RB6#0	20.84	20.75	20.46	
3M	QPSK	RB1#0	22.71	22.55	22.41	19.36
		RB1#8	22.68	22.39	22.34	
		RB1#14	22.45	22.52	22.33	
		RB6#0	22.34	22.45	22.37	
		RB6#9	21.55	21.41	21.33	
		RB15#0	21.56	21.49	21.52	
	16-QAM	RB1#0	22.01	22.01	21.54	18.84
		RB1#8	22.19	21.94	21.14	
		RB1#14	22.02	22.06	21.02	
		RB6#0	20.38	20.81	20.43	
		RB6#9	20.62	20.53	20.19	
		RB15#0	20.52	20.64	20.51	

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum ERP (dBm)
5M	QPSK	RB1#0	22.47	22.52	22.38	19.17
		RB1#13	22.41	22.41	22.32	
		RB1#24	22.40	22.49	22.32	
		RB15#0	22.41	22.33	22.31	
		RB15#10	21.54	21.40	21.38	
		RB25#0	21.47	21.57	21.53	
	16-QAM	RB1#0	20.96	21.73	21.29	18.52
		RB1#13	21.01	21.59	21.16	
		RB1#24	21.09	21.87	21.17	
		RB15#0	20.45	20.49	20.47	
		RB15#10	20.61	20.32	20.38	
		RB25#0	20.53	20.39	20.47	
10M	QPSK	RB1#0	22.76	22.76	22.88	19.53
		RB1#25	22.51	22.57	22.53	
		RB1#49	22.29	22.36	22.47	
		RB25#0	22.59	22.61	22.65	
		RB25#25	21.53	21.43	21.47	
		RB50#0	21.48	21.52	21.39	
	16-QAM	RB1#0	22.21	21.70	21.60	18.86
		RB1#25	21.92	21.96	21.64	
		RB1#49	21.68	22.01	21.11	
		RB25#0	20.51	20.62	20.64	
		RB25#25	20.41	20.52	20.86	
		RB50#0	20.48	20.54	20.50	

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

LTE Band 7

Antenna Gain (dBi):	2	Cable Loss (dB):	0.5

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
5M	QPSK	RB1#0	21.55	21.71	21.82	23.32
		RB1#13	21.45	21.59	21.69	
		RB1#24	21.42	21.58	21.52	
		RB15#0	21.31	21.37	21.33	
		RB15#10	20.52	20.72	20.72	
		RB25#0	20.59	20.72	20.54	
	16-QAM	RB1#0	20.07	21.04	20.32	22.64
		RB1#13	19.95	21.11	20.49	
		RB1#24	20.17	21.14	20.55	
		RB15#0	19.39	19.67	19.63	
		RB15#10	19.38	19.52	19.86	
		RB25#0	19.61	19.65	19.58	
10M	QPSK	RB1#0	21.67	21.92	21.92	23.42
		RB1#25	21.60	21.76	21.82	
		RB1#49	21.54	21.61	21.58	
		RB25#0	21.52	21.59	21.47	
		RB25#25	20.45	20.82	20.80	
		RB50#0	20.64	20.87	20.58	
	16-QAM	RB1#0	20.96	21.24	20.51	22.74
		RB1#25	20.92	21.19	20.88	
		RB1#49	20.67	21.01	20.84	
		RB25#0	19.78	19.93	19.67	
		RB25#25	19.44	19.93	20.25	
		RB50#0	19.63	19.91	19.65	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
15M	QPSK	RB1#0	21.79	21.94	21.87	23.44
		RB1#38	21.53	21.76	21.63	
		RB1#74	21.68	21.54	21.54	
		RB36#0	21.65	21.59	21.45	
		RB36#39	20.59	21.00	20.86	
		RB75#0	20.61	20.87	20.62	
	16-QAM	RB1#0	21.05	21.36	20.87	22.86
		RB1#38	20.75	21.29	20.70	
		RB1#74	20.96	21.11	20.89	
		RB36#0	19.61	19.80	19.73	
		RB36#39	19.44	19.76	19.96	
		RB75#0	19.65	19.93	19.78	
20M	QPSK	RB1#0	22.03	22.47	22.01	23.97
		RB1#50	21.68	21.98	21.83	
		RB1#99	21.51	21.68	21.91	
		RB50#0	21.85	21.95	21.78	
		RB50#50	20.77	20.90	20.74	
		RB100#0	20.80	20.93	20.71	
	16-QAM	RB1#0	21.25	21.04	21.46	23.48
		RB1#50	21.23	21.11	21.82	
		RB1#99	20.74	20.71	21.98	
		RB50#0	19.89	19.94	19.77	
		RB50#50	19.64	19.82	19.94	
		RB100#0	19.80	19.99	19.87	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

LTE Band 12

Antenna Gain (dBi):	2	Antenna Gain (dBd):	-0.15	Cable Loss (dB):	0.2

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum ERP (dBm)
1.4M	QPSK	RB1#0	22.61	22.49	22.71	22.36
		RB1#3	22.59	22.45	22.55	
		RB1#5	22.45	22.25	22.41	
		RB3#0	22.30	22.32	22.27	
		RB3#3	22.28	22.31	22.58	
		RB6#0	21.39	21.50	21.70	
	16-QAM	RB1#0	21.70	21.60	21.63	21.85
		RB1#3	21.72	21.91	21.93	
		RB1#5	21.46	21.71	21.88	
		RB3#0	21.44	21.54	21.77	
		RB3#3	21.36	21.40	22.20	
		RB6#0	20.47	20.38	20.71	
3M	QPSK	RB1#0	22.53	22.54	22.68	22.33
		RB1#8	22.40	22.49	22.57	
		RB1#14	22.08	22.47	22.47	
		RB6#0	22.47	22.43	22.57	
		RB6#9	21.31	21.56	21.71	
		RB15#0	21.33	21.48	21.62	
	16-QAM	RB1#0	22.18	21.81	21.71	21.83
		RB1#8	21.94	22.06	21.45	
		RB1#14	21.45	22.01	21.84	
		RB6#0	20.52	20.49	20.51	
		RB6#9	20.46	20.70	20.58	
		RB15#0	20.53	20.56	20.69	

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum ERP (dBm)
5M	QPSK	RB1#0	22.55	22.53	22.81	22.46
		RB1#13	22.34	22.49	22.41	
		RB1#24	22.03	22.31	22.53	
		RB15#0	22.42	22.25	22.38	
		RB15#10	21.12	21.61	21.52	
		RB25#0	21.28	21.49	21.65	
	16-QAM	RB1#0	21.18	21.61	21.40	21.87
		RB1#13	20.53	22.22	21.19	
		RB1#24	20.54	21.83	21.61	
		RB15#0	20.50	20.38	20.69	
		RB15#10	19.94	20.43	20.44	
		RB25#0	20.41	20.33	20.79	
10M	QPSK	RB1#0	22.76	22.72	22.83	22.48
		RB1#25	22.13	22.08	22.76	
		RB1#49	22.22	22.31	22.53	
		RB25#0	22.39	22.36	22.42	
		RB25#25	21.21	21.22	21.59	
		RB50#0	21.42	21.34	21.70	
	16-QAM QPSK	RB1#0	21.73	21.46	21.31	21.84
		RB1#25	21.50	22.01	21.81	
		RB1#49	21.73	22.19	21.33	
		RB25#0	20.32	20.40	20.87	
		RB25#25	20.46	20.62	20.68	
		RB50#0	20.33	20.27	20.66	

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

LTE Band 13

Antenna Gain (dBi):	2	Antenna Gain (dBd):	-0.15	Cable Loss (dB):	0.2

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum ERP (dBm)
5M	QPSK	RB1#0	22.62	22.48	22.46	22.37
		RB1#13	22.58	22.27	22.53	
		RB1#24	22.46	22.62	22.72	
		RB15#0	22.51	22.34	22.24	
		RB15#10	21.57	21.36	21.55	
		RB25#0	21.58	21.69	21.64	
	16-QAM	RB1#0	21.02	22.12	21.52	21.77
		RB1#13	21.01	21.34	21.50	
		RB1#24	20.84	21.50	21.33	
		RB15#0	20.65	20.70	20.25	
		RB15#10	20.57	20.27	20.52	
		RB25#0	20.71	20.44	20.50	
10M	QPSK	RB1#0	/	22.86	/	22.51
		RB1#25	/	22.47	/	
		RB1#49	/	22.43	/	
		RB25#0	/	22.53	/	
		RB25#25	/	21.32	/	
		RB50#0	/	21.56	/	
	16-QAM	RB1#0	/	21.77	/	21.55
		RB1#25	/	21.78	/	
		RB1#49	/	21.90	/	
		RB25#0	/	20.61	/	
		RB25#25	/	20.40	/	
		RB50#0	/	20.57	/	

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

LTE Band 17

Antenna Gain (dBi):	2	Antenna Gain (dBd):	-0.15	Cable Loss (dB):	0.2

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum ERP (dBm)
5M	QPSK	RB1#0	22.53	22.62	22.38	22.27
		RB1#13	22.19	22.49	22.45	
		RB1#24	21.93	22.17	22.27	
		RB15#0	22.12	22.21	21.85	
		RB15#10	21.40	21.69	21.45	
		RB25#0	21.18	21.58	21.72	
	16-QAM	RB1#0	20.57	21.65	21.52	21.90
		RB1#13	20.89	22.25	21.31	
		RB1#24	21.17	22.19	21.23	
		RB15#0	20.05	20.36	20.72	
		RB15#10	20.36	20.31	20.45	
		RB25#0	20.27	20.38	20.71	
10M	QPSK	RB1#0	22.67	22.68	22.78	22.43
		RB1#25	22.11	22.03	22.15	
		RB1#49	22.65	22.33	22.41	
		RB25#0	22.29	22.46	22.67	
		RB25#25	21.82	21.85	21.67	
		RB50#0	21.63	21.60	21.75	
	16-QAM	RB1#0	21.49	21.42	20.88	22.00
		RB1#25	22.35	22.05	21.76	
		RB1#49	22.05	22.07	21.01	
		RB25#0	20.26	20.38	20.81	
		RB25#25	20.85	20.81	20.80	
		RB50#0	20.55	20.53	20.71	

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

LTE Band 25

Antenna Gain (dBi):	3	Cable Loss (dB):	0.5

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
1.4M	QPSK	RB1#0	21.98	21.93	21.51	24.48
		RB1#3	21.82	21.80	21.40	
		RB1#5	21.57	21.69	21.36	
		RB3#0	21.85	21.64	21.47	
		RB3#3	21.81	21.53	21.40	
		RB6#0	20.73	20.65	20.63	
	16-QAM	RB1#0	20.96	20.90	20.59	23.81
		RB1#3	21.16	21.18	20.57	
		RB1#5	21.21	21.31	20.61	
		RB3#0	20.85	21.03	20.84	
		RB3#3	20.85	21.05	20.74	
		RB6#0	20.08	19.81	19.81	
3M	QPSK	RB1#0	21.94	21.84	21.58	24.44
		RB1#8	21.74	21.77	21.45	
		RB1#14	21.91	21.81	21.54	
		RB6#0	21.67	21.72	21.53	
		RB6#9	20.89	20.75	20.45	
		RB15#0	20.77	20.68	20.78	
	16-QAM	RB1#0	21.19	21.12	20.53	23.99
		RB1#8	21.09	21.49	20.14	
		RB1#14	21.18	20.94	20.16	
		RB6#0	19.73	19.54	19.96	
		RB6#9	19.85	19.61	19.47	
		RB15#0	19.84	19.59	20.01	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
5M	QPSK	RB1#0	22.01	21.71	21.59	24.51
		RB1#13	21.68	21.62	21.50	
		RB1#24	21.70	21.62	21.43	
		RB15#0	21.55	21.45	21.23	
		RB15#10	20.90	20.78	20.49	
		RB25#0	20.86	20.80	20.69	
	16-QAM	RB1#0	20.41	20.91	20.74	23.56
		RB1#13	20.41	21.02	20.26	
		RB1#24	20.50	21.06	20.16	
		RB15#0	19.70	19.62	19.73	
		RB15#10	19.73	19.59	19.57	
		RB25#0	19.99	19.80	19.77	
10M	QPSK	RB1#0	21.98	21.86	21.58	24.48
		RB1#25	21.65	21.83	21.49	
		RB1#49	21.79	21.73	21.39	
		RB25#0	21.56	21.63	21.43	
		RB25#25	20.90	20.81	20.75	
		RB50#0	20.74	20.68	20.59	
	16-QAM	RB1#0	21.16	21.03	20.61	24.21
		RB1#25	21.39	21.71	20.85	
		RB1#49	21.08	21.51	20.12	
		RB25#0	19.79	19.81	19.97	
		RB25#25	19.92	19.85	20.08	
		RB50#0	19.63	19.64	19.72	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
15M	QPSK	RB1#0	21.92	21.78	21.67	24.42
		RB1#38	21.86	21.77	21.48	
		RB1#74	21.65	21.69	21.38	
		RB36#0	21.80	21.71	21.49	
		RB36#39	20.79	20.78	20.77	
		RB75#0	20.63	20.66	20.67	
	16-QAM	RB1#0	21.01	20.98	20.76	24.07
		RB1#38	20.99	21.57	20.74	
		RB1#74	20.91	21.45	20.36	
		RB36#0	19.63	19.65	19.57	
		RB36#39	19.70	19.83	19.74	
		RB75#0	19.63	19.68	19.70	
20M	QPSK	RB1#0	22.01	22.03	21.88	24.53
		RB1#50	21.90	21.85	21.43	
		RB1#99	21.53	21.54	21.68	
		RB50#0	21.74	21.61	21.55	
		RB50#50	20.54	20.45	20.40	
		RB100#0	20.69	20.43	20.45	
	16-QAM	RB1#0	20.99	20.68	21.68	24.18
		RB1#50	21.53	20.34	21.11	
		RB1#99	20.83	20.81	21.53	
		RB50#0	19.90	19.57	19.67	
		RB50#50	19.75	19.65	19.37	
		RB100#0	19.90	19.50	19.50	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

LTE Band 41

Antenna Gain (dBi):	2	Cable Loss (dB):	0.5

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
5M	QPSK	RB1#0	21.77	21.73	21.71	23.42
		RB1#13	21.73	21.60	21.92	
		RB1#24	21.57	21.63	21.72	
		RB15#0	21.70	21.70	21.67	
		RB15#10	21.53	21.53	21.50	
		RB25#0	20.67	20.74	20.74	
	16-QAM	RB1#0	20.98	21.05	20.94	22.55
		RB1#13	20.96	20.96	20.55	
		RB1#24	20.97	20.94	20.32	
		RB15#0	20.77	20.74	20.56	
		RB15#10	20.76	20.64	20.56	
		RB25#0	19.65	19.73	19.72	
10M	QPSK	RB1#0	21.92	21.82	21.93	23.43
		RB1#25	21.75	21.67	21.74	
		RB1#49	21.77	21.77	21.62	
		RB25#0	21.79	21.68	21.72	
		RB25#25	20.86	20.76	20.86	
		RB50#0	20.66	20.65	20.65	
	16-QAM	RB1#0	21.02	21.02	21.01	22.52
		RB1#25	20.55	20.95	20.54	
		RB1#49	20.32	20.99	20.30	
		RB25#0	19.72	19.69	19.69	
		RB25#25	19.62	19.64	19.92	
		RB50#0	19.70	19.70	19.69	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
15M	QPSK	RB1#0	21.72	21.72	21.72	23.22
		RB1#38	21.67	21.67	21.68	
		RB1#74	21.62	21.63	21.68	
		RB36#0	21.51	21.47	21.51	
		RB36#39	20.80	20.80	20.79	
		RB75#0	20.71	20.68	20.70	
	16-QAM	RB1#0	21.01	21.00	20.99	22.51
		RB1#38	20.65	20.96	20.54	
		RB1#74	20.97	20.96	20.28	
		RB36#0	19.82	19.73	19.84	
		RB36#39	19.94	19.91	19.91	
		RB75#0	19.66	19.65	19.74	
20M	QPSK	RB1#0	21.94	21.98	21.93	23.48
		RB1#50	21.92	21.72	21.71	
		RB1#99	21.75	21.78	21.80	
		RB50#0	21.78	21.82	21.75	
		RB50#50	20.69	20.70	20.69	
		RB100#0	20.63	20.71	20.72	
	16-QAM	RB1#0	21.00	21.00	21.00	22.52
		RB1#50	21.00	21.01	21.02	
		RB1#99	20.87	20.98	20.91	
		RB50#0	19.84	19.84	19.83	
		RB50#50	19.81	19.89	19.89	
		RB100#0	19.77	19.76	19.66	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

LTE Band 66

Antenna Gain (dBi):	3	Cable Loss (dB):	0.5

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
1.4M	QPSK	RB1#0	22.05	21.81	21.32	24.55
		RB1#3	21.71	21.78	20.88	
		RB1#5	21.95	21.69	20.77	
		RB3#0	21.81	21.69	20.92	
		RB3#3	21.78	21.65	20.88	
		RB6#0	20.81	20.69	19.88	
	16-QAM	RB1#0	20.71	20.99	19.69	24.26
		RB1#3	20.92	21.76	19.85	
		RB1#5	20.93	21.54	19.79	
		RB3#0	21.11	20.80	19.81	
		RB3#3	20.79	20.78	20.02	
		RB6#0	19.93	19.66	18.97	
3M	QPSK	RB1#0	22.01	21.84	21.39	24.51
		RB1#8	21.87	21.77	21.12	
		RB1#14	21.97	21.79	21.23	
		RB6#0	21.76	21.66	21.31	
		RB6#9	20.81	20.79	20.15	
		RB15#0	20.69	20.69	20.19	
	16-QAM	RB1#0	21.11	20.97	20.14	23.93
		RB1#8	20.95	21.23	20.28	
		RB1#14	21.43	21.24	20.23	
		RB6#0	19.95	19.70	20.19	
		RB6#9	20.00	19.87	20.16	
		RB15#0	19.88	19.69	19.28	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
5 M	QPSK	RB1#0	21.74	21.77	21.32	24.27
		RB1#13	21.70	21.69	21.25	
		RB1#24	21.69	21.70	21.27	
		RB15#0	21.53	21.55	21.12	
		RB15#10	20.88	20.79	20.89	
		RB25#0	20.79	20.80	20.15	
	16-QAM	RB1#0	20.34	21.04	20.31	24.35
		RB1#13	20.33	21.11	19.96	
		RB1#24	20.37	21.10	20.15	
		RB15#0	19.71	19.63	21.85	
		RB15#10	19.91	19.71	21.81	
		RB25#0	19.93	19.82	19.31	
10M	QPSK	RB1#0	21.90	21.97	21.35	24.47
		RB1#25	21.66	21.95	21.29	
		RB1#49	21.77	21.94	21.23	
		RB25#0	21.72	21.65	21.07	
		RB25#25	20.97	20.82	20.41	
		RB50#0	20.76	20.71	20.33	
	16-QAM	RB1#0	21.09	21.44	20.15	24.34
		RB1#25	21.74	21.33	20.57	
		RB1#49	21.84	21.64	20.23	
		RB25#0	19.89	19.73	19.50	
		RB25#25	20.03	19.90	19.76	
		RB50#0	19.88	19.84	19.49	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum EIRP (dBm)
15 M	QPSK	RB1#0	21.99	21.84	21.36	24.49
		RB1#38	21.82	21.81	21.09	
		RB1#74	21.71	21.76	21.12	
		RB36#0	21.83	21.71	21.25	
		RB36#39	21.02	20.81	20.46	
		RB75#0	20.79	20.71	20.41	
	16-QAM	RB1#0	21.28	21.44	20.71	24.46
		RB1#38	21.96	21.23	20.13	
		RB1#74	21.38	21.30	20.28	
		RB36#0	19.97	19.89	20.41	
		RB36#39	19.96	19.97	19.26	
		RB75#0	19.84	19.68	19.33	
20M	QPSK	RB1#0	22.38	22.71	22.31	25.21
		RB1#50	22.17	22.06	21.35	
		RB1#99	21.65	22.10	21.32	
		RB50#0	21.88	21.92	21.85	
		RB50#50	20.86	20.80	20.53	
		RB100#0	20.91	20.73	20.73	
	16-QAM	RB1#0	20.78	21.08	21.29	24.09
		RB1#50	21.59	21.08	21.41	
		RB1#99	20.77	20.96	21.33	
		RB50#0	20.05	19.93	19.81	
		RB50#50	20.00	19.85	19.46	
		RB100#0	19.96	19.78	19.67	

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)

LTE Band 71

Antenna Gain (dBi):	2	Antenna Gain (dBd):	-0.15	Cable Loss (dB):	0.2

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum ERP (dBm)
5M	QPSK	RB1#0	22.83	22.85	22.76	22.50
		RB1#13	22.56	22.70	22.68	
		RB1#24	22.29	22.61	22.72	
		RB15#0	22.76	22.76	22.55	
		RB15#10	22.64	22.64	22.35	
		RB25#0	22.83	22.79	22.61	
	16-QAM	RB1#0	22.55	22.76	22.51	22.62
		RB1#13	22.32	22.97	22.44	
		RB1#24	22.49	22.86	22.24	
		RB15#0	21.80	21.62	21.72	
		RB15#10	21.96	21.62	21.64	
		RB25#0	22.03	21.69	21.61	
10M	QPSK	RB1#0	23.33	22.85	23.27	22.98
		RB1#25	23.21	22.68	23.31	
		RB1#49	23.08	22.58	22.96	
		RB25#0	23.11	22.75	22.91	
		RB25#25	22.57	22.66	22.83	
		RB50#0	22.49	22.55	22.71	
	16-QAM	RB1#0	22.33	22.75	22.83	22.59
		RB1#25	22.29	22.94	22.60	
		RB1#49	22.26	22.92	22.47	
		RB25#0	21.55	21.84	21.86	
		RB25#25	21.76	21.77	21.77	
		RB50#0	21.75	21.77	21.77	

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

Test Bandwidth	Test Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)	Maximum ERP (dBm)
15M	QPSK	RB1#0	23.51	22.83	23.25	23.16
		RB1#38	23.17	22.67	23.11	
		RB1#74	22.36	22.58	22.68	
		RB36#0	23.26	22.67	23.13	
		RB36#39	23.15	22.58	23.03	
		RB75#0	23.44	22.93	23.00	
	16-QAM	RB1#0	22.14	23.14	22.40	22.80
		RB1#38	22.07	23.09	22.76	
		RB1#74	22.36	23.04	22.76	
		RB36#0	22.16	23.15	22.59	
		RB36#39	22.26	22.92	22.86	
		RB75#0	22.16	22.85	22.59	
20M	QPSK	RB1#0	23.54	23.16	23.32	23.19
		RB1#50	23.18	22.81	22.80	
		RB1#99	23.22	22.75	23.02	
		RB50#0	23.37	22.93	23.02	
		RB50#50	23.22	22.76	22.67	
		RB100#0	23.34	22.93	22.67	
	16-QAM	RB1#0	22.18	22.84	22.43	22.69
		RB1#50	21.94	23.04	22.55	
		RB1#99	22.48	23.04	22.65	
		RB50#0	22.54	22.86	22.42	
		RB50#50	21.96	23.04	22.84	
		RB100#0	22.54	22.85	22.36	

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

Peak-to-average ratio (PAR)

WCDMA Band II

Modulation	Channel	PAR (dB)	PAR Limit (dB)
WCDMA	Low	1.98	≤ 13
	Middle	2.04	≤ 13
	High	2.10	≤ 13
HSDPA	Low	2.06	≤ 13
	Middle	2.25	≤ 13
	High	2.20	≤ 13
HSUPA	Low	2.07	≤ 13
	Middle	2.03	≤ 13
	High	1.95	≤ 13
HSPA+	Low	2.03	≤ 13
	Middle	2.00	≤ 13
	High	1.98	≤ 13

WCDMA Band V

Modulation	Channel	PAR (dB)	PAR Limit (dB)
WCDMA	Low	2.15	≤ 13
	Middle	2.26	≤ 13
	High	2.10	≤ 13
HSDPA	Low	2.00	≤ 13
	Middle	2.17	≤ 13
	High	2.04	≤ 13
HSUPA	Low	2.21	≤ 13
	Middle	2.21	≤ 13
	High	2.17	≤ 13
HSPA+	Low	1.95	≤ 13
	Middle	2.07	≤ 13
	High	2.06	≤ 13

LTE Band 2

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	3.30	3.33	3.33	13
	RB50#0	4.06	4.32	4.46	13
16-QAM	RB1#0	4.20	4.17	4.29	13
	RB50#0	5.01	5.16	5.30	13

LTE Band 4

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	3.28	3.19	3.25	13
	RB50#0	4.23	4.29	4.20	13
16-QAM	RB1#0	4.17	4.12	4.14	13
	RB50#0	5.10	5.25	5.16	13

LTE Band 5

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	4.20	4.26	4.29	13
	RB50#0	4.64	4.67	4.72	13
16-QAM	RB1#0	5.22	5.22	5.28	13
	RB50#0	5.57	5.71	5.83	13

LTE Band 7

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	3.36	3.57	3.59	13
	RB50#0	4.41	4.70	4.96	13
16-QAM	RB1#0	4.12	4.52	4.38	13
	RB50#0	5.42	5.77	5.86	13

LTE Band 12

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	3.71	3.65	3.71	13
	RB50#0	4.93	5.13	4.96	13
16-QAM	RB1#0	4.70	4.64	4.58	13
	RB50#0	6.00	6.12	5.91	13

LTE Band 13

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	/	3.71	/	13
	RB50#0	/	4.96	/	13
16-QAM	RB1#0	/	4.49	/	13
	RB50#0	/	6.03	/	13

LTE Band 17

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	4.61	4.64	4.67	13
	RB50#0	5.07	5.01	4.93	13
16-QAM	RB1#0	5.62	5.54	5.68	13
	RB50#0	6.06	5.97	5.97	13

LTE Band 25

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	5.04	5.10	5.07	13
	RB50#0	4.84	5.13	4.72	13
16-QAM	RB1#0	5.97	6.06	6.00	13
	RB50#0	5.86	6.20	5.86	13

LTE Band 41

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	8.46	8.69	8.55	13
	RB50#0	8.41	8.52	8.35	13
16-QAM	RB1#0	8.58	8.60	8.41	13
	RB50#0	8.55	8.49	8.55	13

LTE Band 66

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	4.78	4.93	4.81	13
	RB50#0	5.04	5.13	4.96	13
16-QAM	RB1#0	5.77	5.91	5.77	13
	RB50#0	6.03	6.14	6.03	13

LTE Band 71

Modulation	RB	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	PAR Limit (dB)
QPSK	RB1#0	3.88	4.17	4.99	13
	RB50#0	4.67	4.81	4.81	13
16-QAM	RB1#0	3.88	5.04	5.59	13
	RB50#0	6.17	6.35	6.23	13

FCC §2.1049, §22.917, §22.905 & §24.238 & §27.53 – Occupied Bandwidth

Applicable Standard

FCC §2.1049, §22.917, §22.905, §24.238, §27.53

Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 1% to 5% of the anticipated emission bandwidth and the 26 dB & 99% bandwidth was recorded.

Test Results

Test Mode: Transmitting

Test Result: Compliant.

Please refer to the following table and plots.

WCDMA Band II

Mode	Test Condition	Test Mode	Low channel		Middle channel		High channel	
			99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
WCDMA (Band II)	Normal	Rel 99	4.132	4.691	4.153	4.718	4.112	4.711
		HSDPA	4.132	4.691	4.132	4.671	4.112	4.691
		HSUPA	4.112	4.711	4.132	4.711	4.152	4.711
		HSPA+	4.132	4.691	4.112	4.671	4.132	4.691

WCDMA Band V

Mode	Test Condition	Test Mode	Low channel		Middle channel		High channel	
			99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
WCDMA (Band V)	Normal	Rel 99	4.132	4.750	4.112	4.731	4.112	4.711
		HSDPA	4.152	4.731	4.152	4.711	4.132	4.711
		HSUPA	4.152	4.731	4.132	4.731	4.132	4.711
		HSPA+	4.132	4.731	4.132	4.750	4.112	4.961

LTE Band 2:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
1.4	QPSK	1.102	1.320	1.102	1.344	1.102	1.350
	16QAM	1.096	1.320	1.102	1.326	1.096	1.314
3	QPSK	2.695	2.952	2.695	2.952	2.683	2.952
	16QAM	2.695	2.976	2.683	2.964	2.683	2.952
5	QPSK	4.531	5.040	4.511	5.060	4.491	5.040
	16QAM	4.511	5.020	4.531	5.040	4.531	5.060
10	QPSK	8.902	9.840	8.942	9.760	8.942	9.880
	16QAM	8.902	9.600	8.942	9.760	8.942	9.800
15	QPSK	13.413	14.700	13.473	14.640	13.473	14.700
	16QAM	13.353	14.520	13.473	14.700	13.593	14.700
20	QPSK	17.804	19.120	17.884	19.360	17.964	19.600
	16QAM	17.725	19.120	17.964	19.600	17.964	19.520

LTE Band 4:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
1.4	QPSK	1.102	1.326	1.102	1.332	1.102	1.302
	16QAM	1.102	1.320	1.096	1.308	1.102	1.320
3	QPSK	2.695	2.952	2.695	2.940	2.683	2.952
	16QAM	2.695	2.964	2.683	2.964	2.683	2.952
5	QPSK	4.531	5.020	4.511	5.080	4.511	5.020
	16QAM	4.511	5.000	4.531	5.040	4.531	5.080
10	QPSK	8.942	9.840	8.942	9.800	8.942	9.760
	16QAM	8.942	9.720	8.942	9.760	8.942	9.720
15	QPSK	13.473	14.580	13.413	14.700	13.413	14.640
	16QAM	13.473	14.640	13.473	14.640	13.473	14.580
20	QPSK	17.884	19.120	17.884	19.440	17.884	19.360
	16QAM	17.884	19.360	17.964	19.440	17.884	19.280

LTE Band 5:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
1.4	QPSK	1.096	1.314	1.102	1.320	1.102	1.290
	16QAM	1.096	1.320	1.096	1.296	1.096	1.296
3	QPSK	2.695	2.952	2.695	2.940	2.683	2.964
	16QAM	2.695	2.964	2.683	2.952	2.683	2.952
5	QPSK	4.511	5.040	4.511	5.040	4.511	5.000
	16QAM	4.491	5.020	4.511	5.040	4.511	5.040
10	QPSK	8.942	9.840	8.942	9.720	8.942	9.720
	16QAM	8.942	9.640	8.942	9.760	8.942	9.720

LTE Band 7:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
5 MHz	QPSK	4.491	4.980	4.531	5.060	4.511	5.040
	16QAM	4.531	5.020	4.511	4.980	4.531	5.040
10 MHz	QPSK	8.942	9.800	8.942	9.760	8.942	9.760
	16QAM	8.942	9.680	8.942	9.680	8.942	9.720
15 MHz	QPSK	13.473	14.700	13.413	14.640	13.473	14.700
	16QAM	13.413	14.640	13.413	14.580	13.473	14.700
20 MHz	QPSK	17.884	19.360	17.884	19.360	17.964	19.520
	16QAM	17.884	19.200	17.884	19.280	17.964	19.440

LTE Band 12:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
1.4 MHz	QPSK	1.102	1.302	1.102	1.314	1.102	1.284
	16QAM	1.102	1.326	1.096	1.290	1.102	1.302
3 MHz	QPSK	2.695	2.940	2.695	2.940	2.683	2.964
	16QAM	2.695	2.964	2.683	2.952	2.683	2.952
5 MHz	QPSK	4.511	5.000	4.511	5.020	4.511	5.000
	16QAM	4.491	4.980	4.531	5.040	4.511	5.000
10 MHz	QPSK	8.942	9.800	8.942	9.720	8.942	9.720
	16QAM	8.942	9.680	8.942	9.760	8.942	9.680

LTE Band 13:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
5 MHz	QPSK	4.531	5.020	4.491	5.000	4.511	5.040
	16QAM	4.491	4.980	4.511	5.020	4.531	5.060
10 MHz	QPSK	/	/	8.942	9.760	/	/
	16QAM	/	/	8.942	9.640	/	/

LTE Band 17:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
5 MHz	QPSK	4.531	5.040	4.511	5.020	4.491	5.000
	16QAM	4.511	5.000	4.531	5.060	4.511	5.040
10 MHz	QPSK	8.942	9.800	8.942	9.760	8.942	9.640
	16QAM	8.942	9.680	8.942	9.720	8.942	9.680

LTE Band 25:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
1.4 MHz	QPSK	1.102	1.302	1.102	1.326	1.108	1.290
	16QAM	1.102	1.320	1.096	1.308	1.096	1.302
3 MHz	QPSK	2.695	2.940	2.695	2.940	2.695	2.952
	16QAM	2.695	2.964	2.683	2.964	2.695	2.952
5 MHz	QPSK	4.531	5.020	4.511	5.040	4.491	5.000
	16QAM	4.491	4.980	4.511	5.040	4.511	5.020
10 MHz	QPSK	8.902	9.720	8.942	9.760	8.902	9.640
	16QAM	8.902	9.520	8.942	9.720	8.902	9.640
15 MHz	QPSK	13.353	14.640	13.473	14.640	13.353	14.580
	16QAM	13.413	14.580	13.473	14.580	13.413	14.580
20 MHz	QPSK	17.725	19.120	17.804	19.280	17.884	19.440
	16QAM	17.804	19.040	17.964	19.280	17.884	19.200

LTE Band 41:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
5 MHz	QPSK	4.511	5.000	4.511	4.960	4.491	4.960
	16QAM	4.511	5.020	4.511	5.040	4.511	5.000
10 MHz	QPSK	8.981	10.160	8.942	9.840	8.942	9.640
	16QAM	8.942	9.640	8.942	9.560	8.942	9.720
15 MHz	QPSK	13.533	16.380	13.473	14.580	13.413	14.640
	16QAM	13.413	15.480	13.473	14.640	13.473	14.640
20 MHz	QPSK	17.884	19.360	17.884	19.280	17.884	19.360
	16QAM	17.884	19.360	17.964	19.520	17.884	19.280

LTE Band 66:

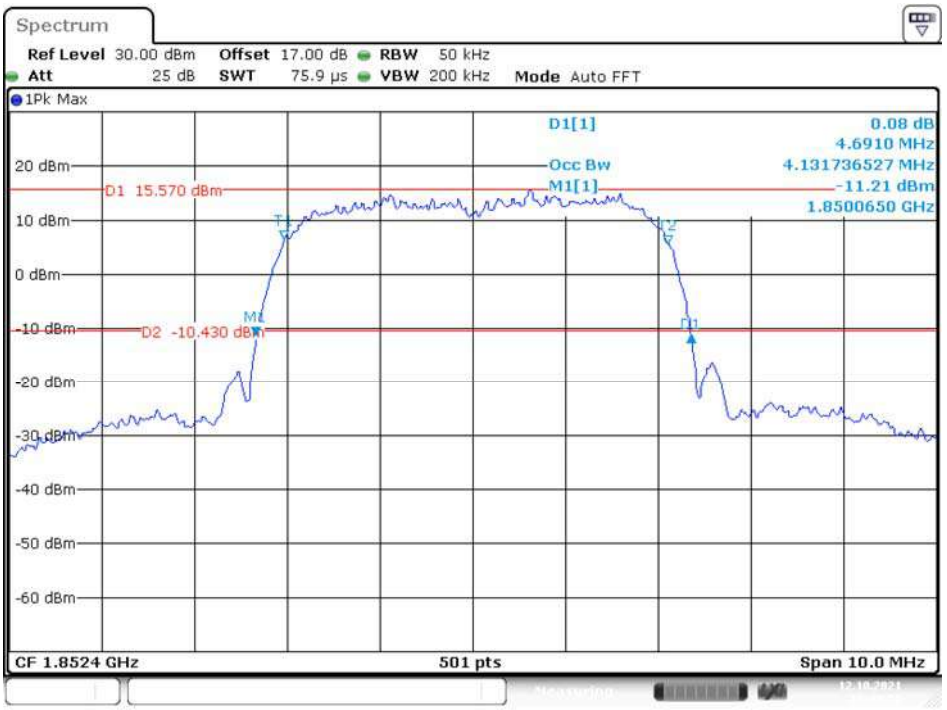
Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
1.4 MHz	QPSK	1.102	1.296	1.108	1.314	1.102	1.284
	16QAM	1.102	1.326	1.096	1.296	1.102	1.314
3 MHz	QPSK	2.695	2.928	2.695	2.940	2.683	2.952
	16QAM	2.695	2.964	2.683	2.964	2.683	2.940
5 MHz	QPSK	4.511	5.040	4.511	5.040	4.511	5.020
	16QAM	4.511	5.000	4.551	5.060	4.531	5.060
10 MHz	QPSK	8.942	9.760	8.942	9.760	8.942	9.760
	16QAM	8.942	9.640	8.942	9.760	8.942	9.680
15 MHz	QPSK	13.413	14.640	13.413	14.580	13.533	14.700
	16QAM	13.473	14.640	13.473	14.700	13.473	14.700
20 MHz	QPSK	17.884	19.200	17.804	19.280	17.884	19.600
	16QAM	17.884	19.280	17.804	19.360	17.884	19.440

LTE Band 71:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	26 dB Emission Bandwidth (MHz)
5 MHz	QPSK	4.515	5.036	4.486	5.036	4.501	5.036
	16QAM	4.486	5.022	4.515	5.051	4.530	5.022
10 MHz	QPSK	8.944	9.754	8.944	9.855	8.886	9.638
	16QAM	8.944	9.754	8.944	9.710	8.886	9.638
15 MHz	QPSK	13.372	14.400	13.372	14.414	13.372	14.428
	16QAM	13.329	14.284	13.372	14.370	13.372	14.298
20 MHz	QPSK	17.757	18.842	17.800	18.842	17.800	19.125
	16QAM	17.713	18.886	17.843	18.973	17.800	18.908

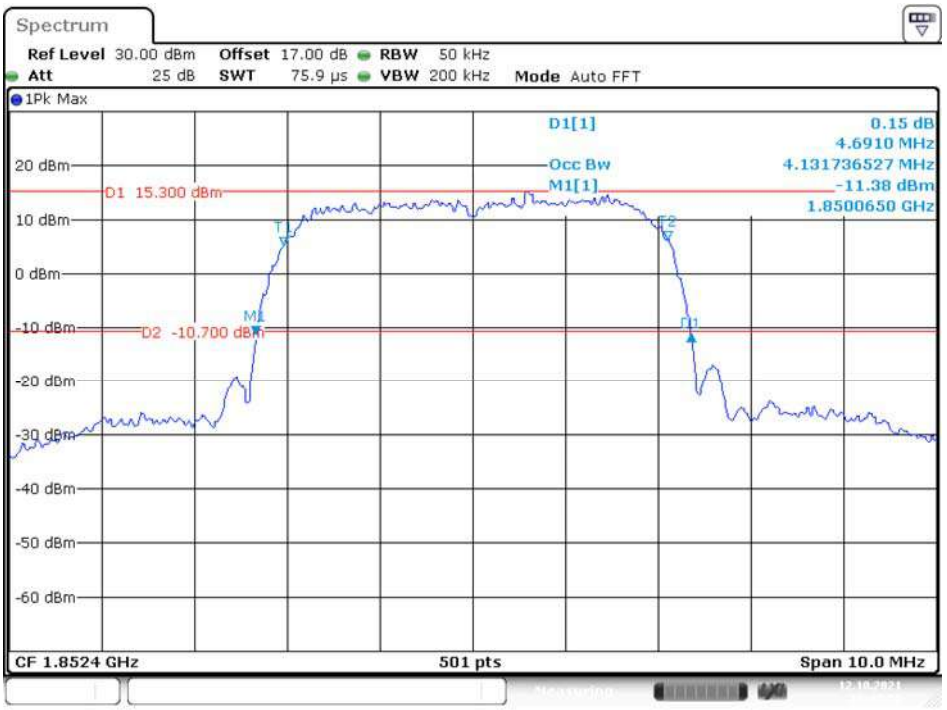
WCDMA Band II

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Mode Low Channel



Date: 12.OCT.2021 12:41:58

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Mode Low Channel



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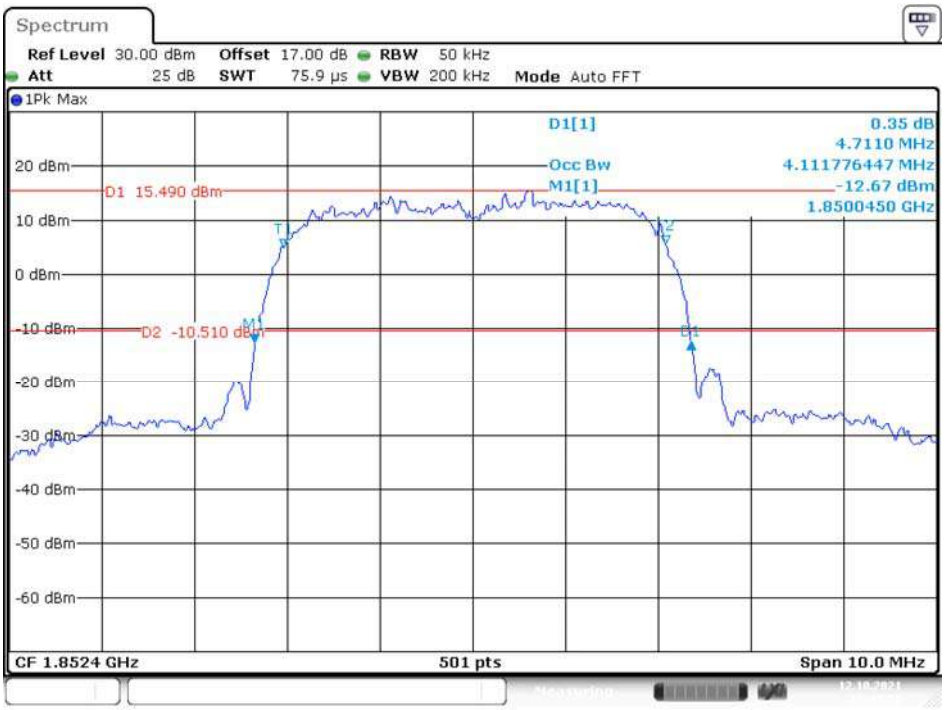
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Mode Low Channel



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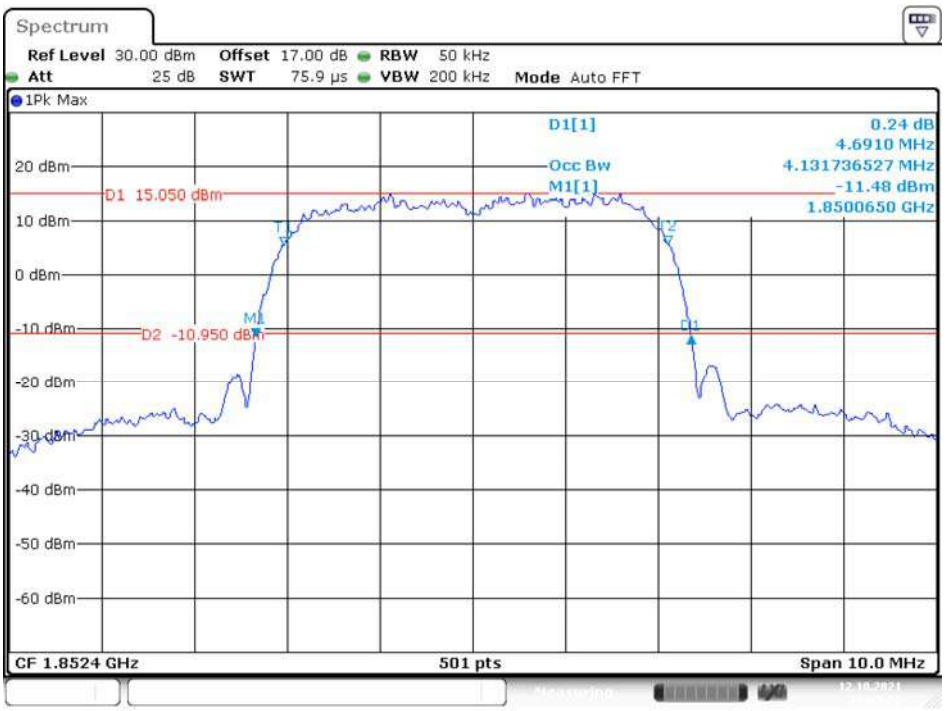
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Mode Low Channel



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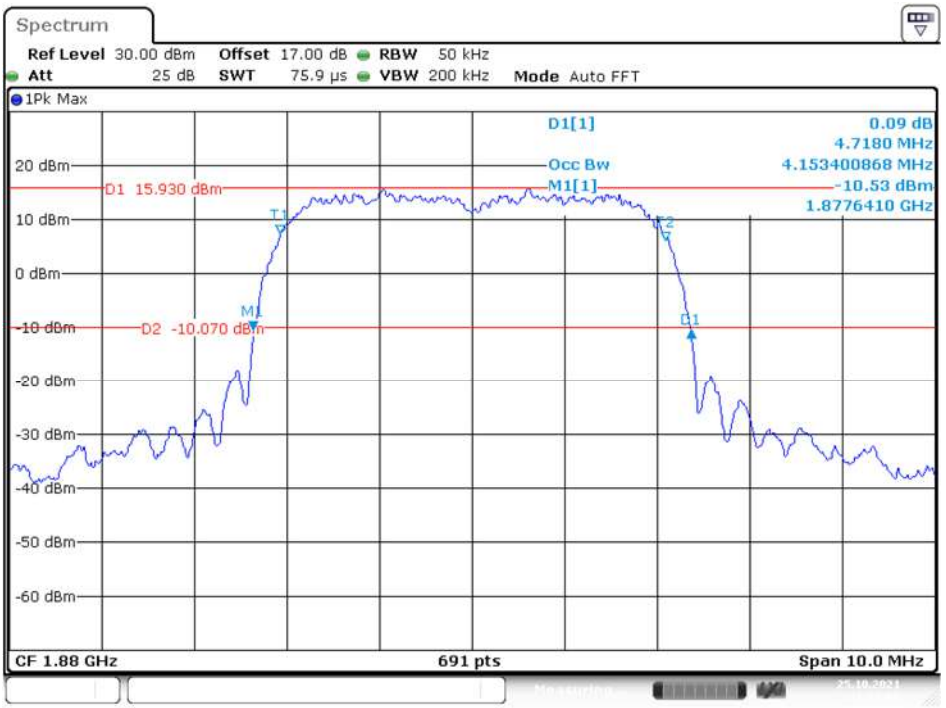
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Mode Middle Channel



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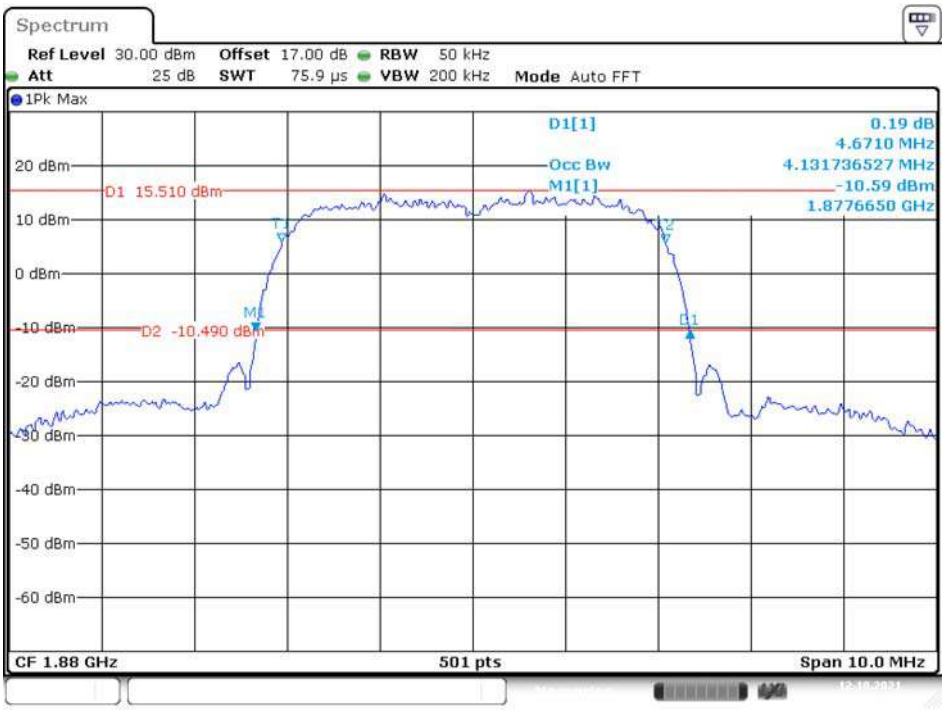
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Mode Middle Channel



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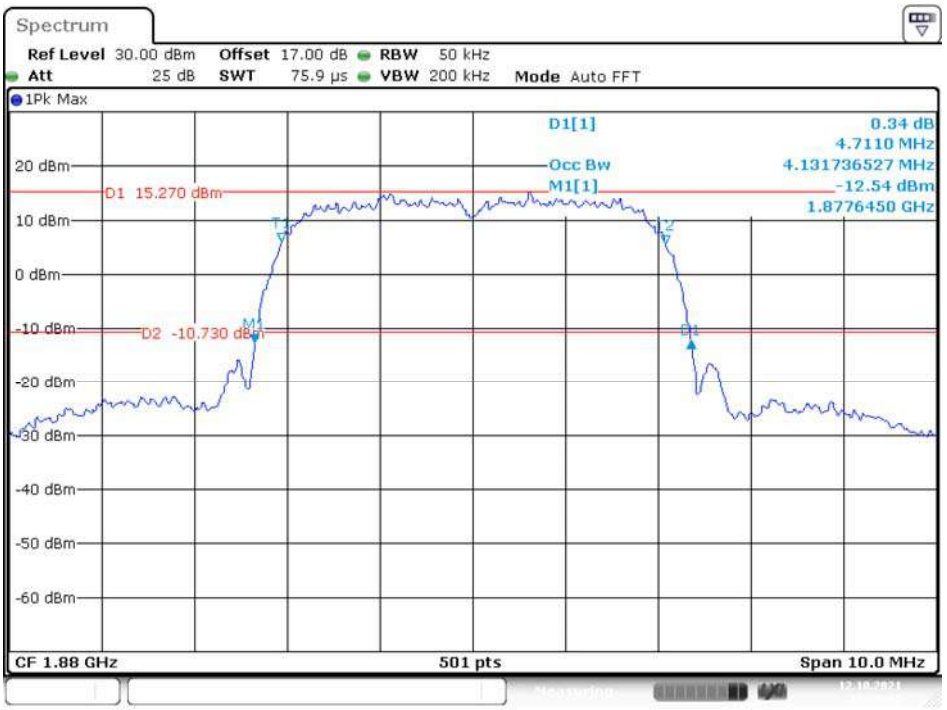
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Mode Middle Channel



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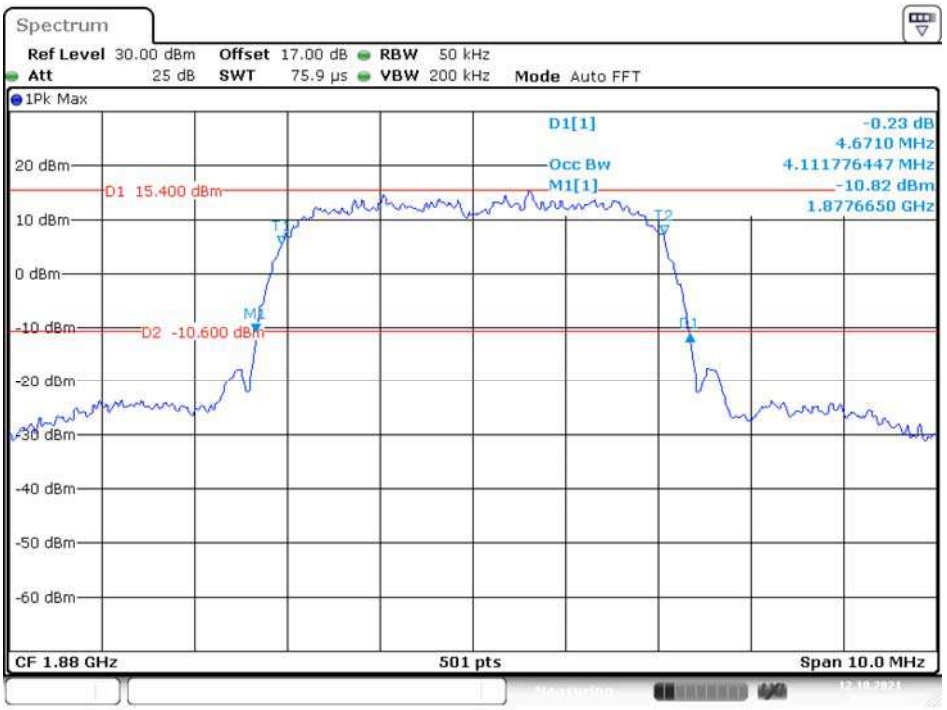
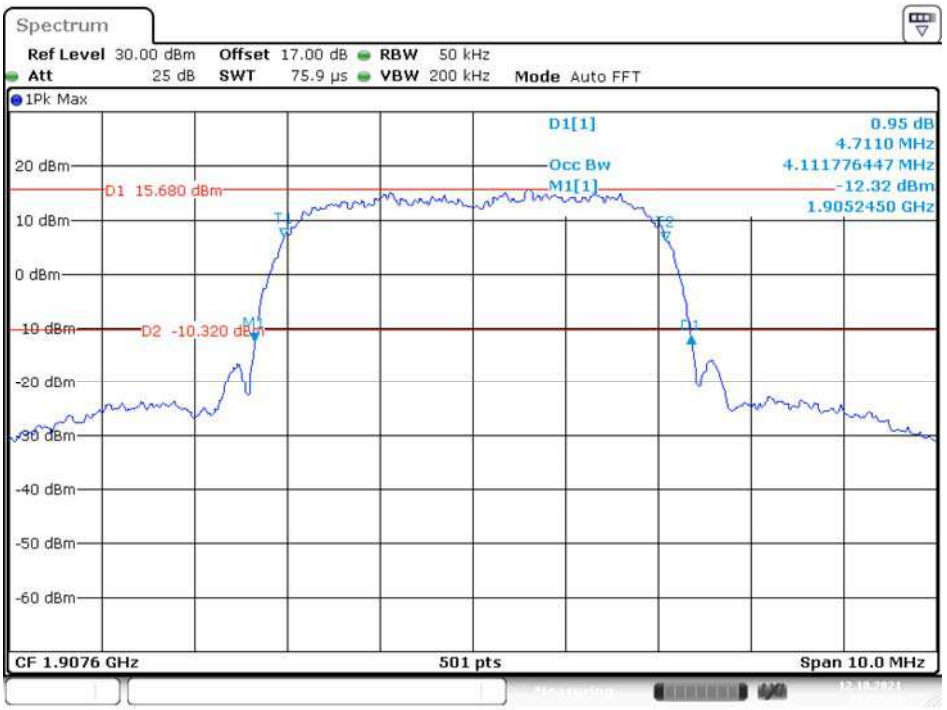
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Mode Middle Channel

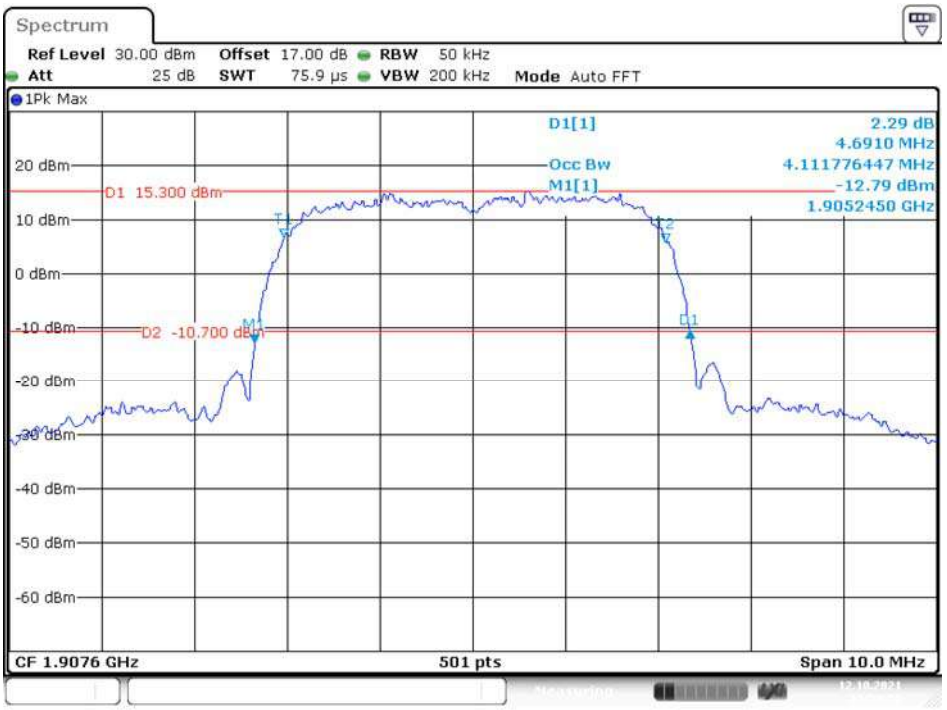


Date: 12.OCT.2021 12:37:33

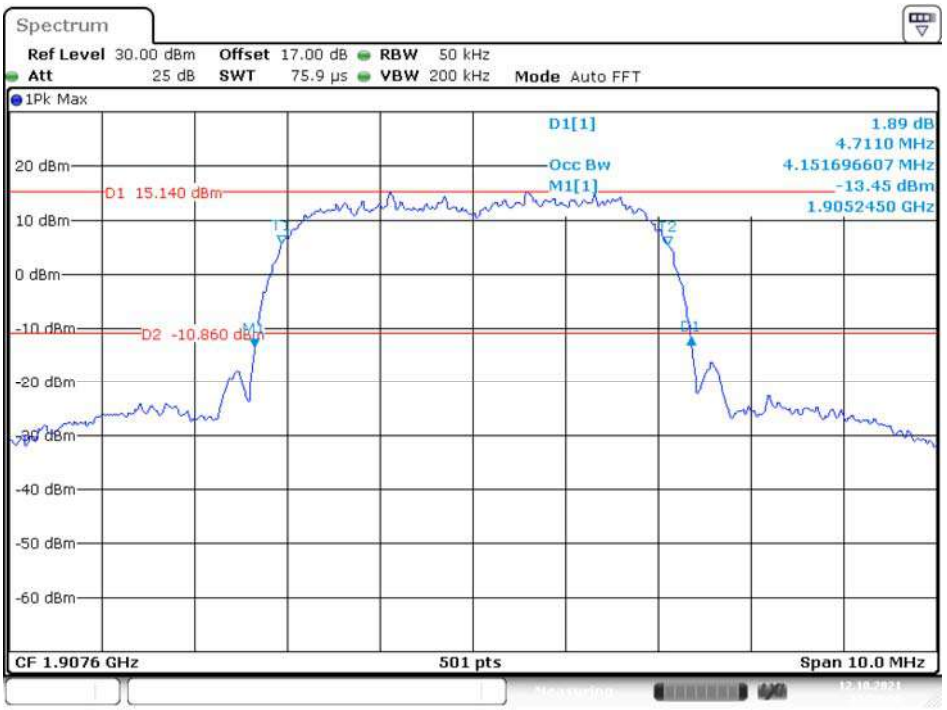
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Mode High Channel



99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Mode High Channel



99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Mode High Channel



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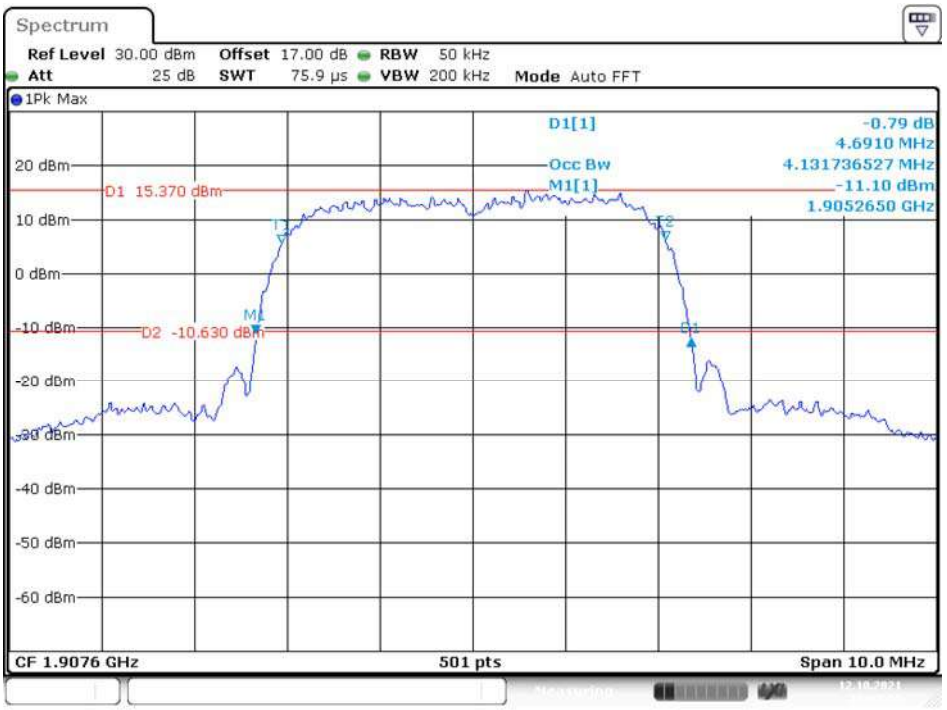
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Mode High Channel



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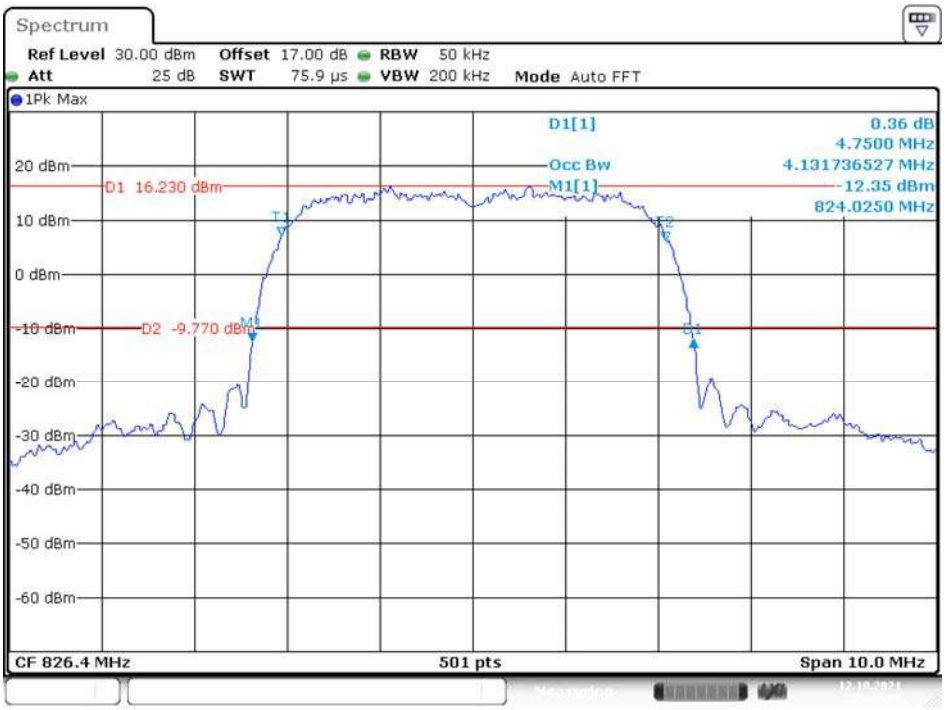
WCDMA Band V

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Mode Low Channel



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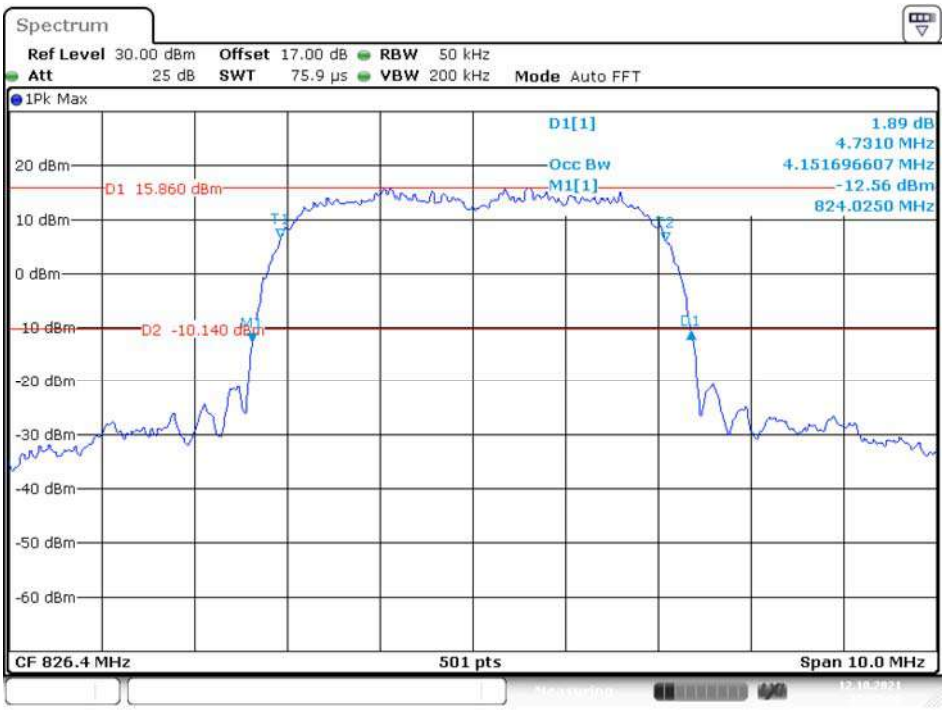
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Mode Low Channel



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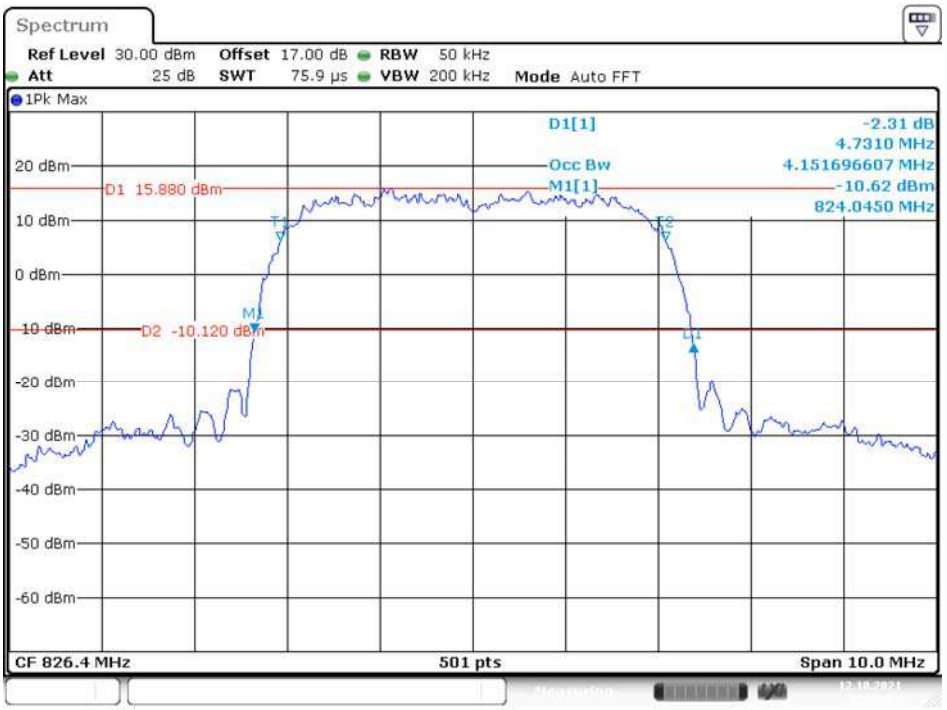
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Mode Low Channel



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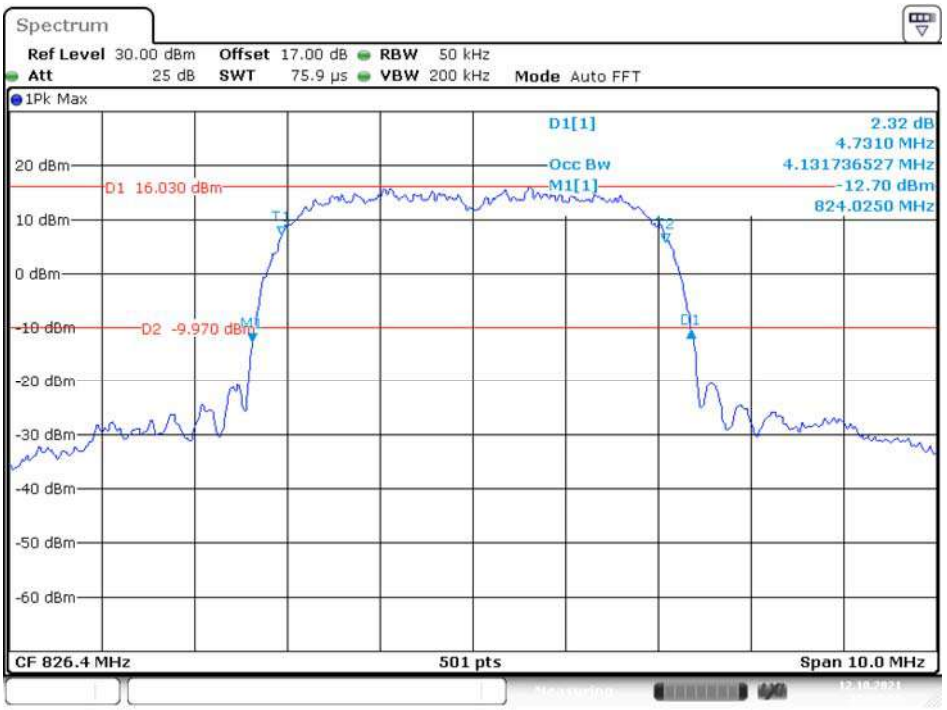
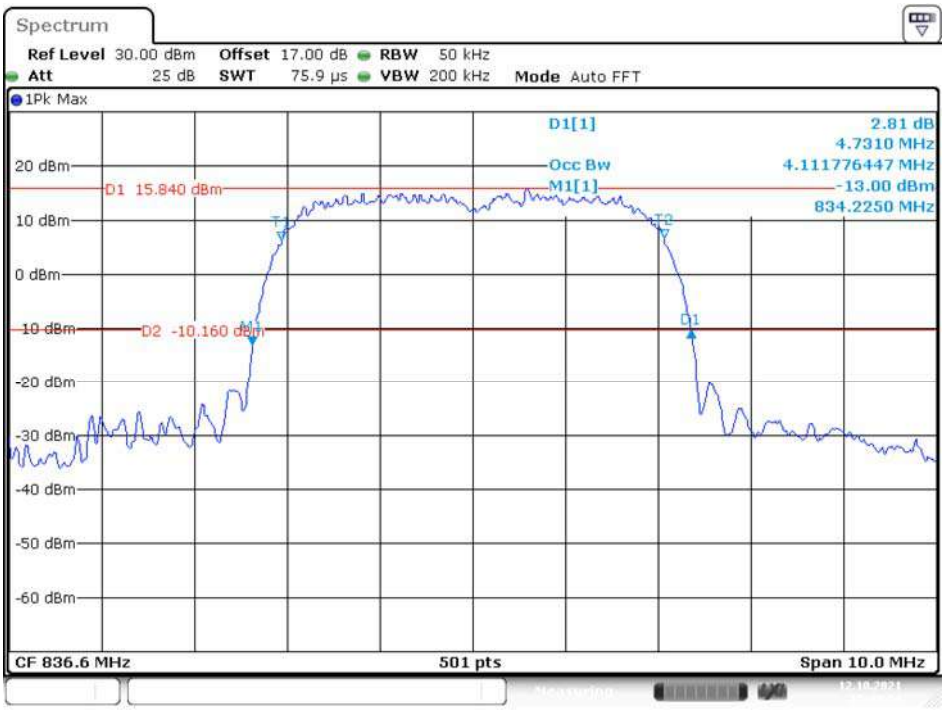
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Mode Low Channel



Date: 12.OCT.2021 15:37:48

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Mode Middle Channel



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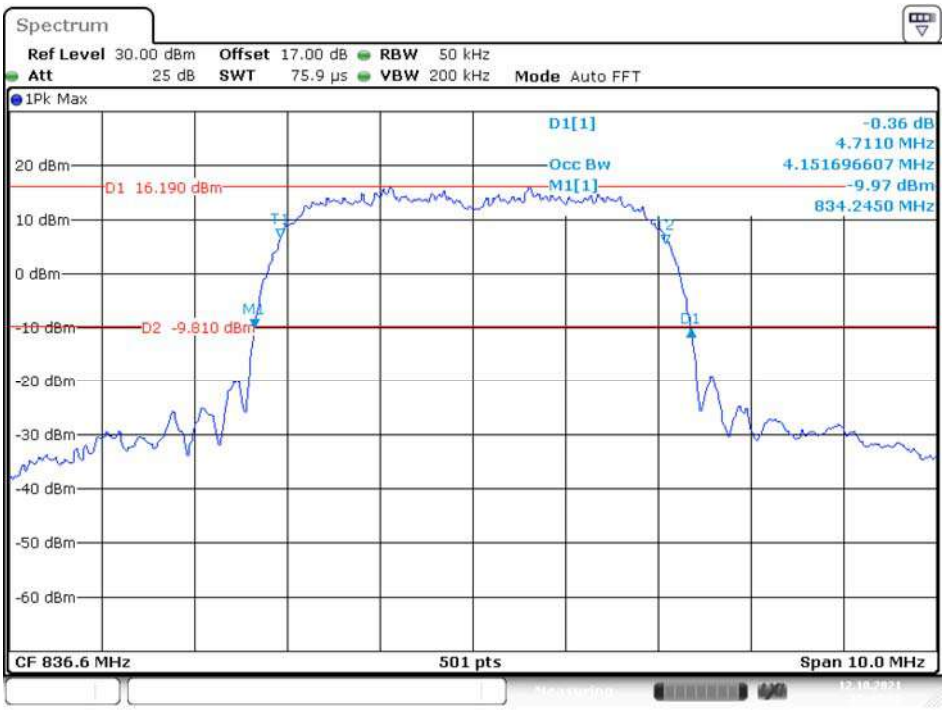
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Mode Middle Channel



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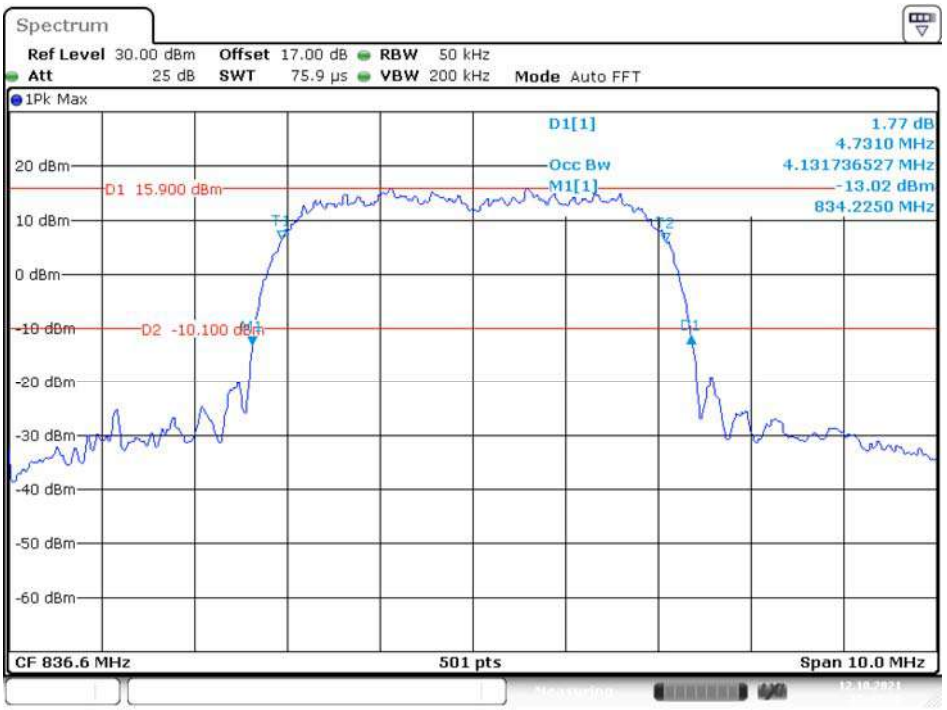
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Mode Middle Channel



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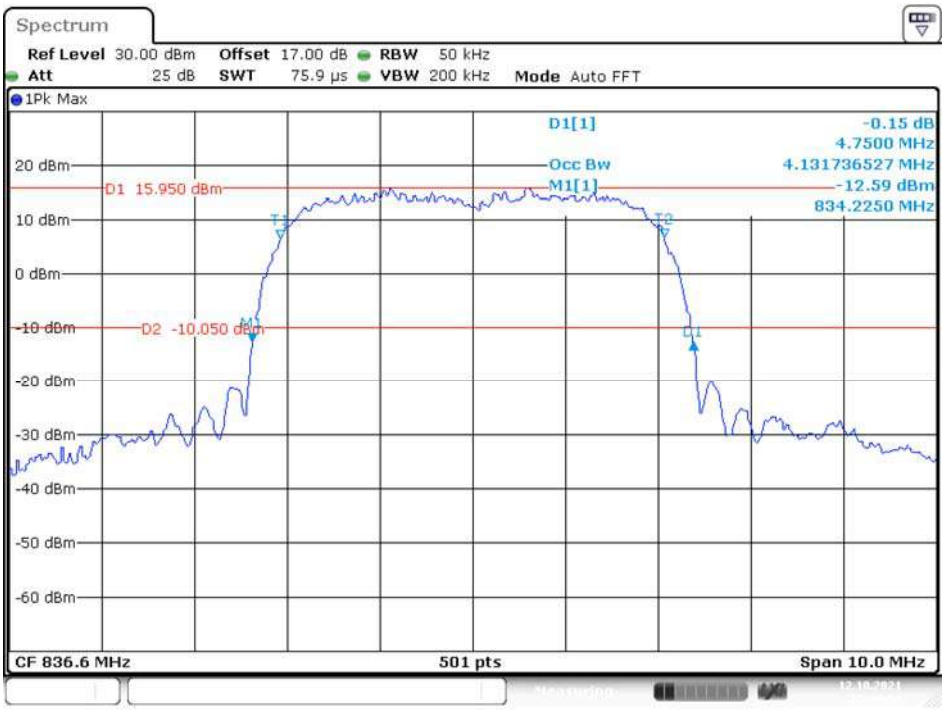
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Mode Middle Channel



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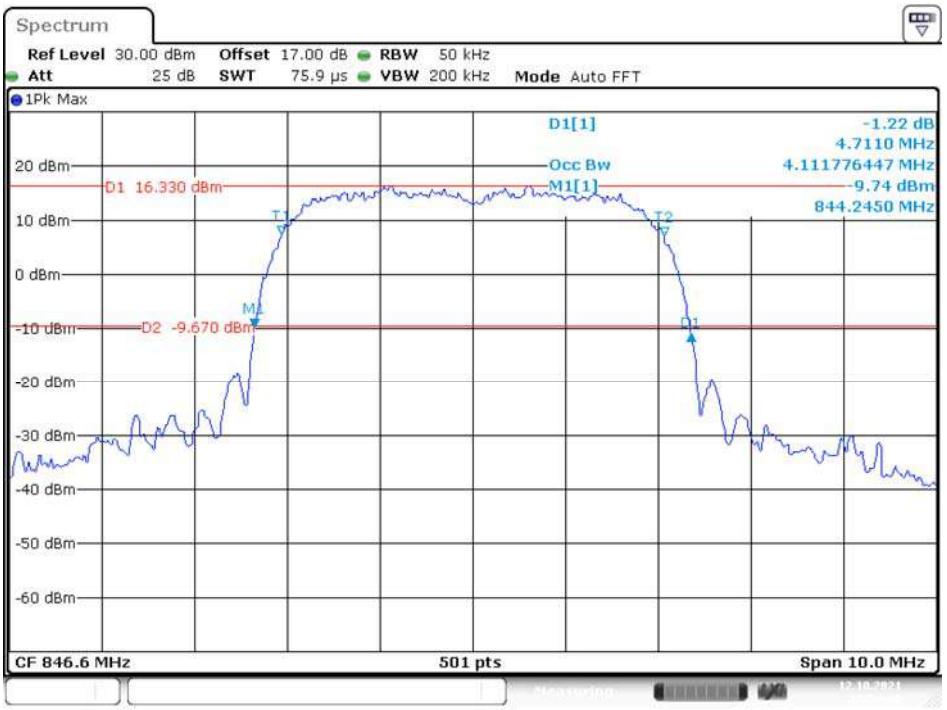
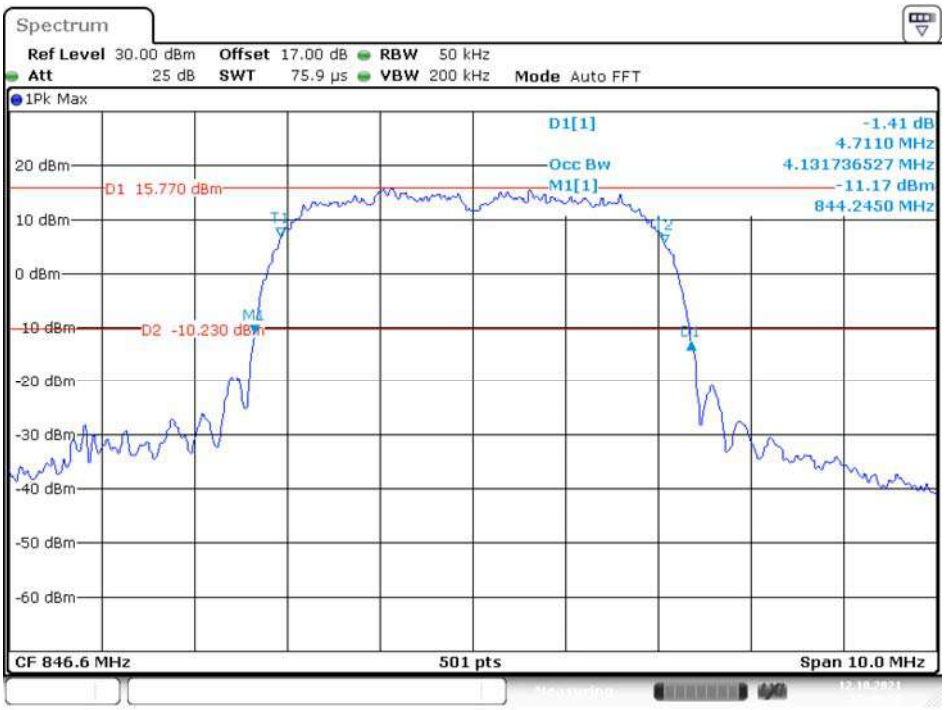
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Mode High Channel



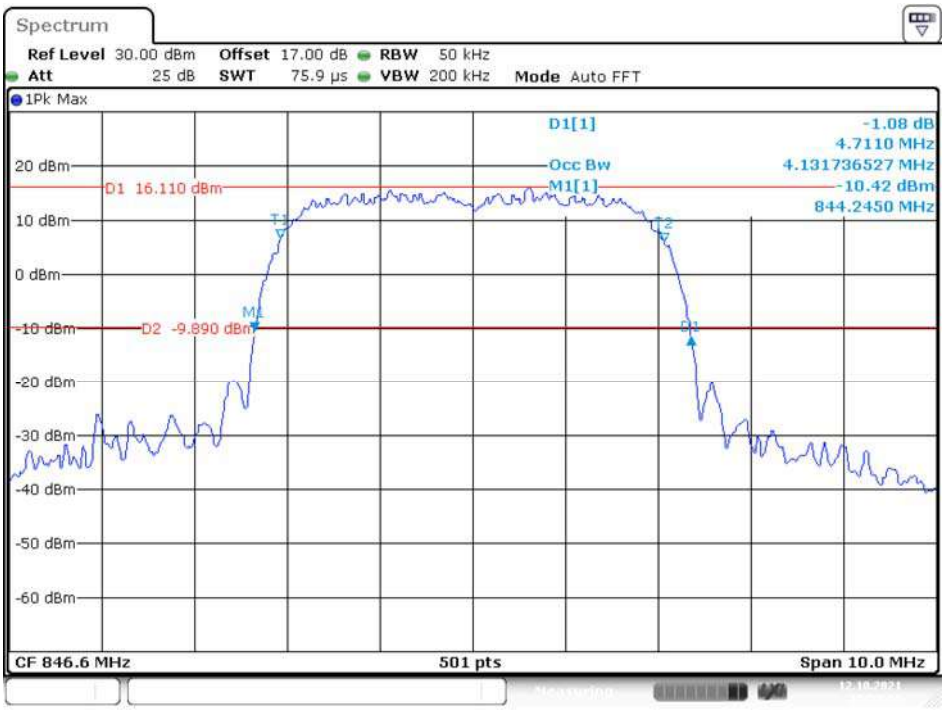
Date: 12.OCT.2021 15:54:43

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Mode High Channel

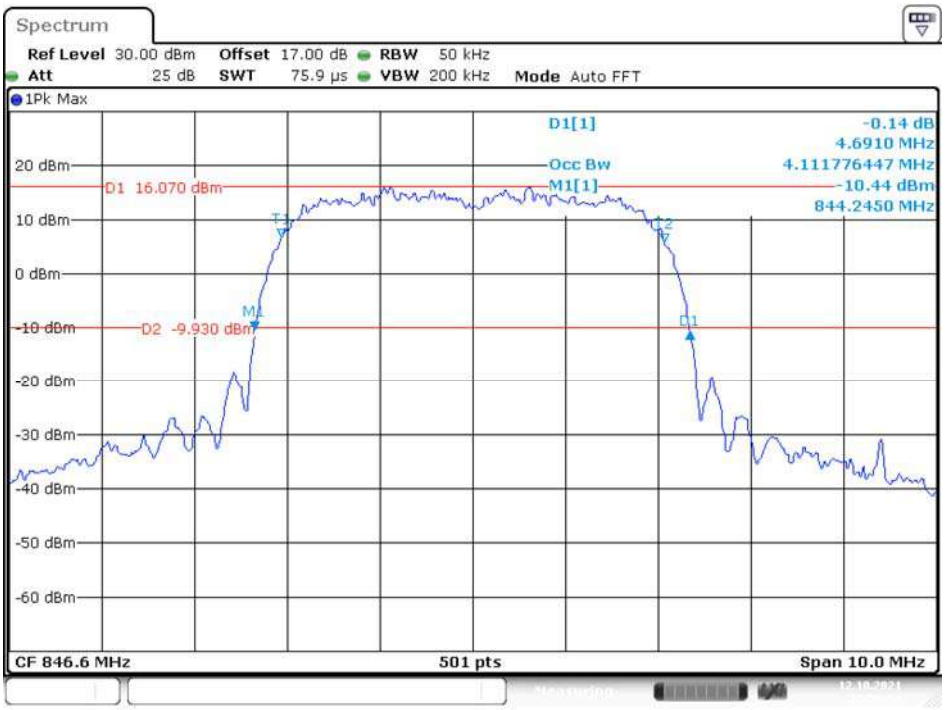


Date: 12.OCT.2021 15:46:10

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Mode High Channel

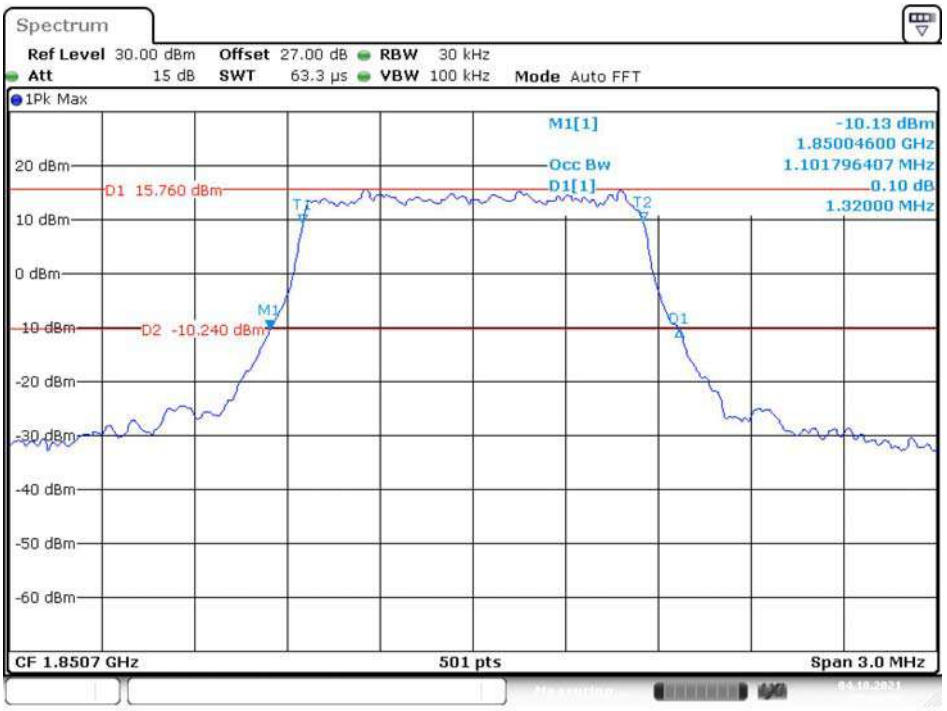


99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Mode High Channel



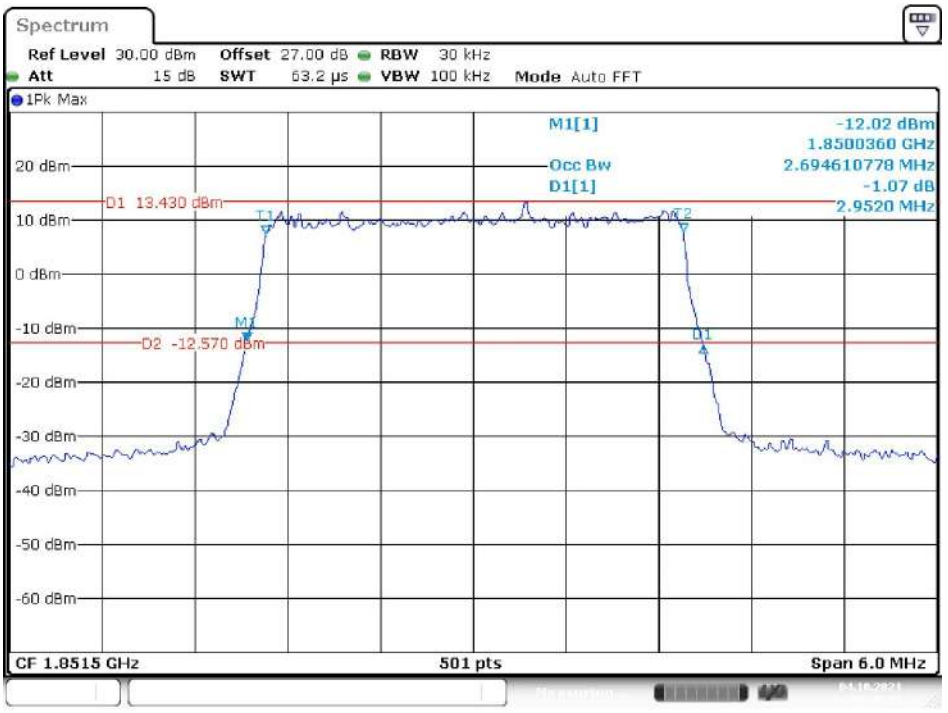
LTE Band 2

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



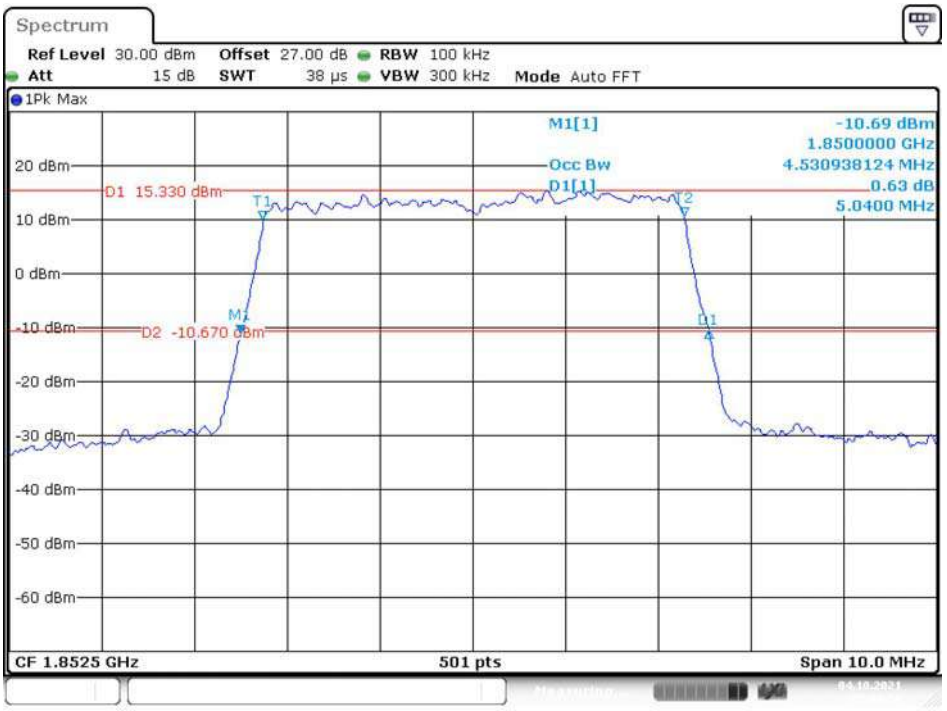
Date: 4.OCT.2021 08:44:32

QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



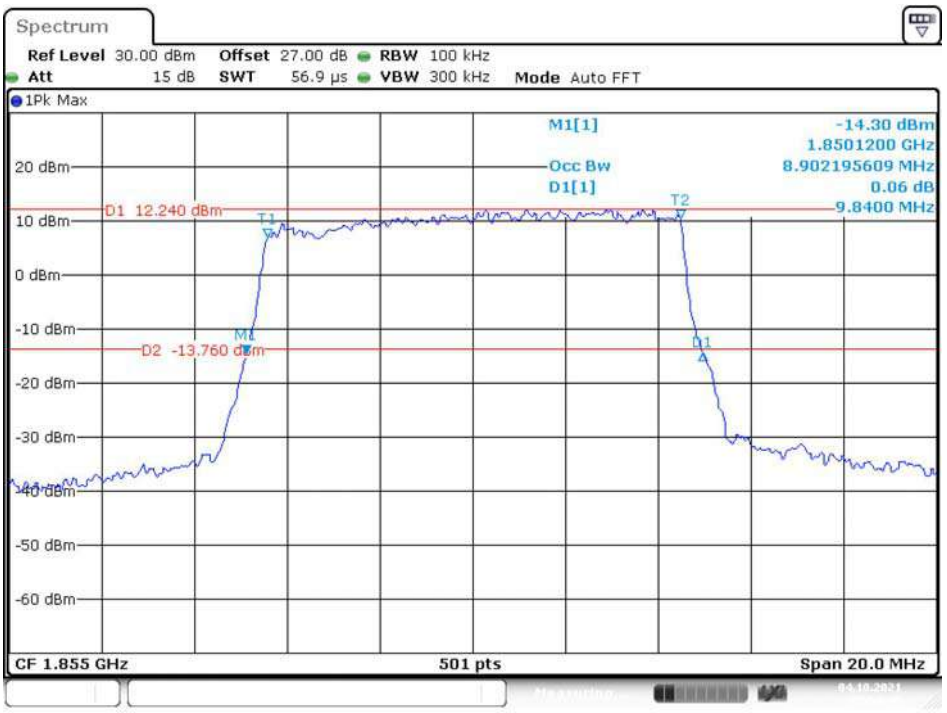
Date: 4.OCT.2021 08:46:22

QPSK (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



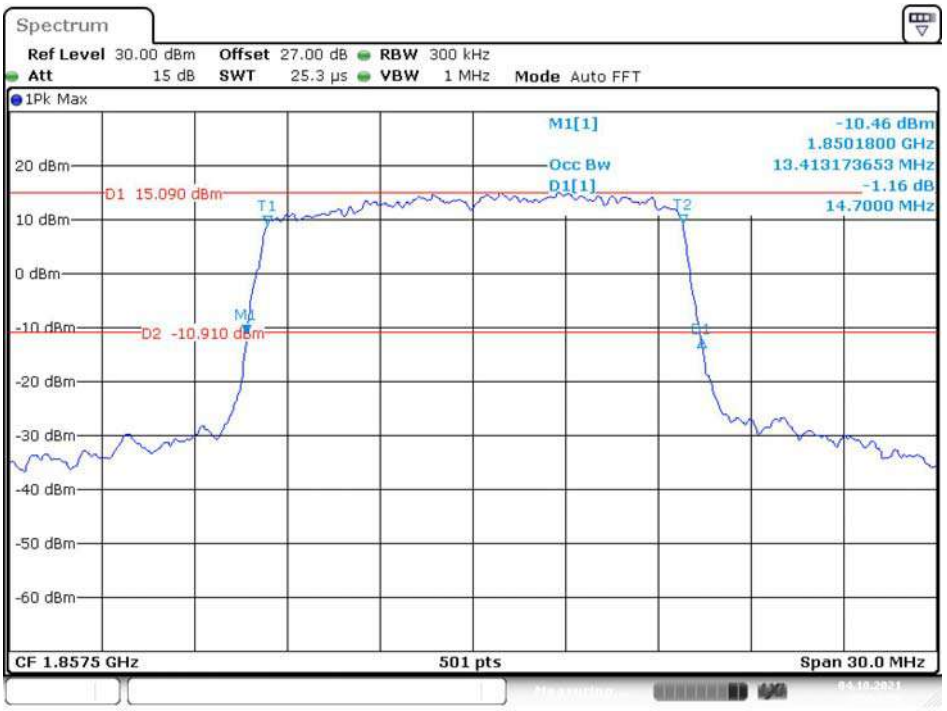
Date: 4.OCT.2021 08:48:20

QPSK (10MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



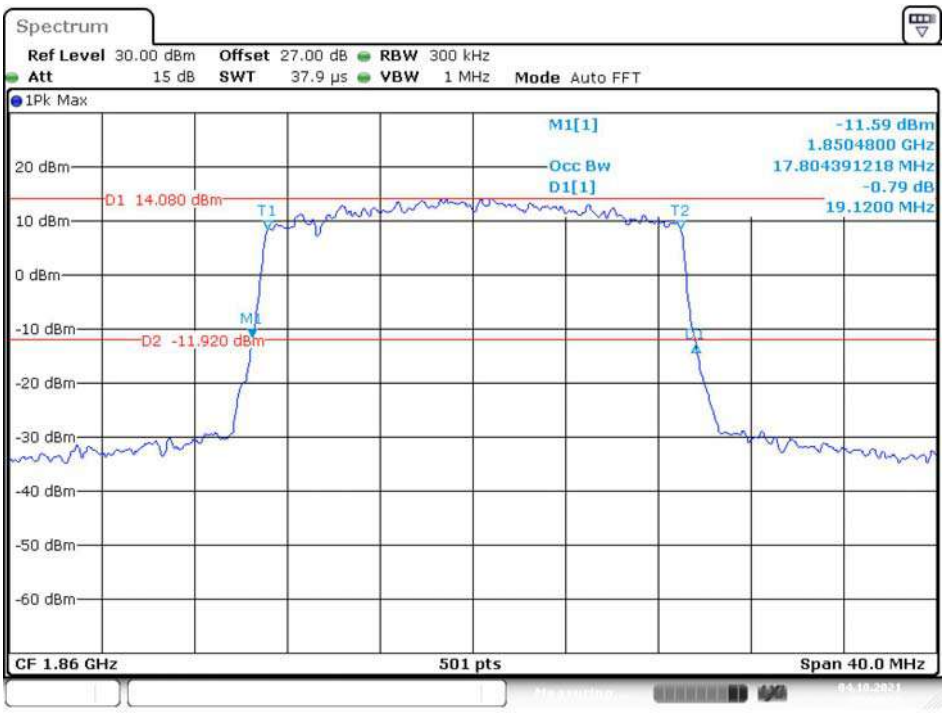
Date: 4.OCT.2021 08:50:45

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



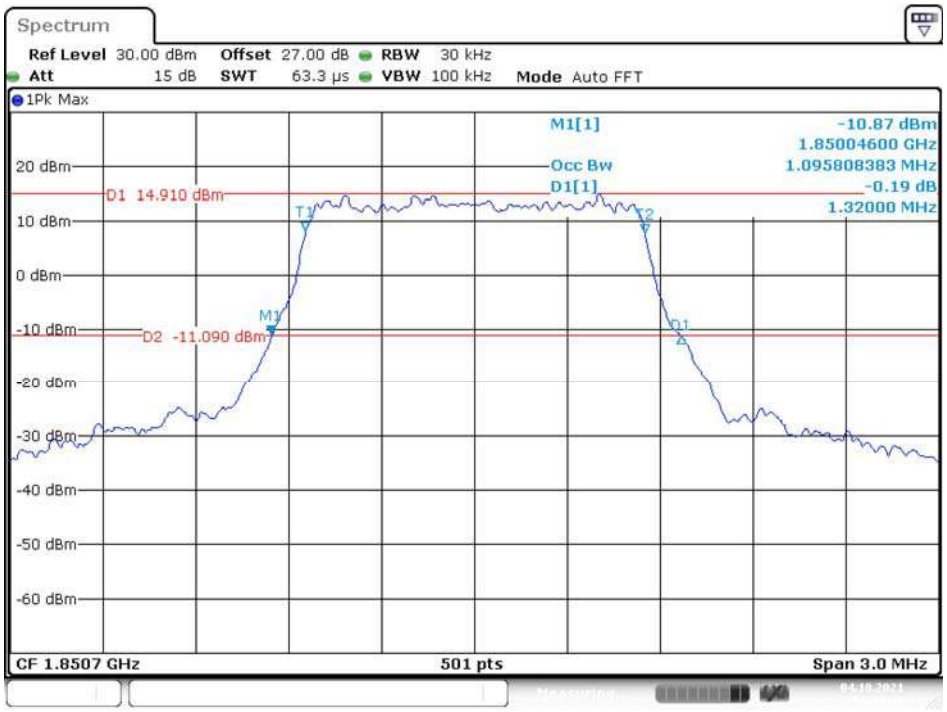
Date: 4.OCT.2021 08:53:30

QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



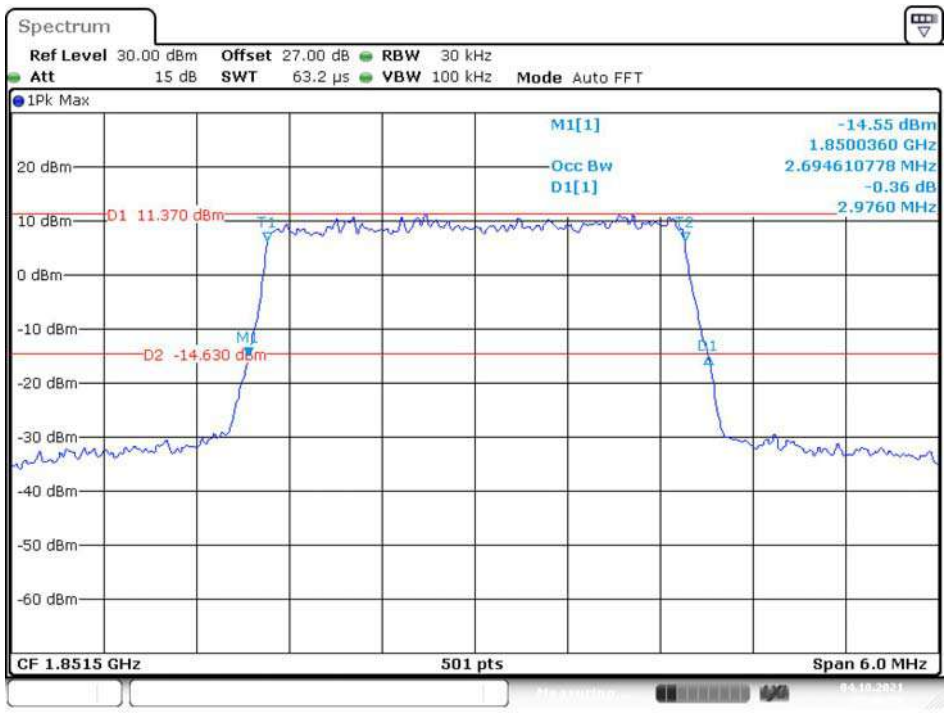
Date: 4.OCT.2021 08:56:55

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



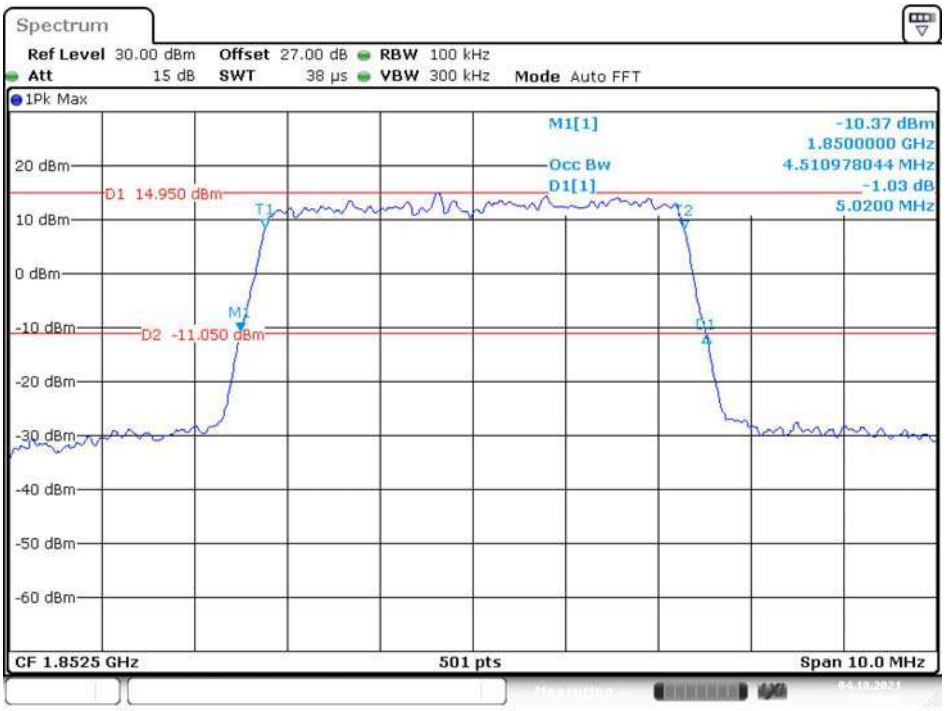
Date: 4.OCT.2021 08:44:50

16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



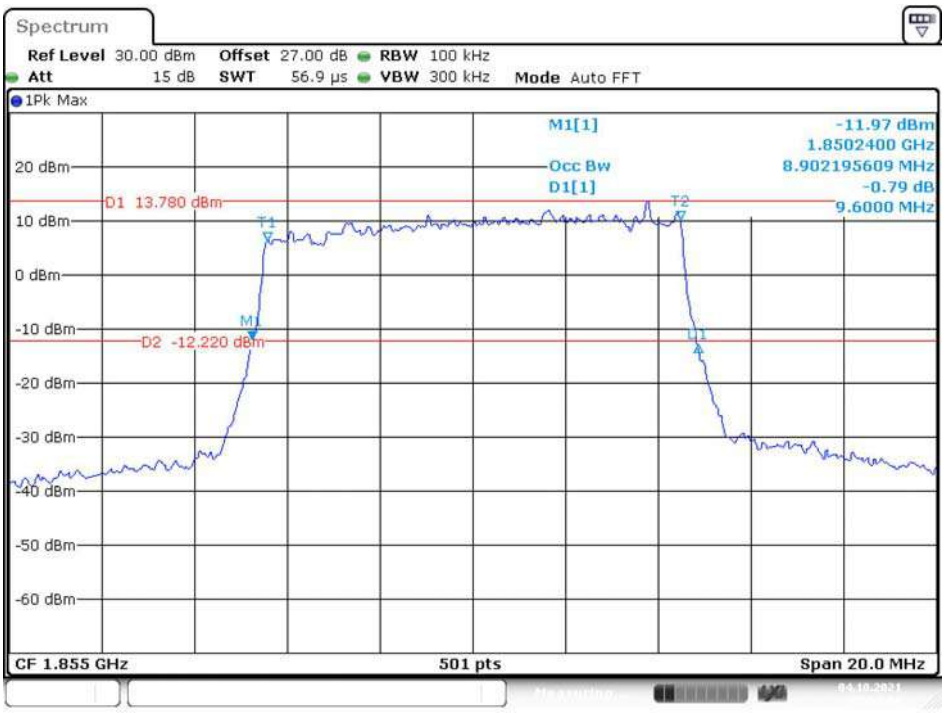
Date: 4.OCT.2021 08:46:36

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



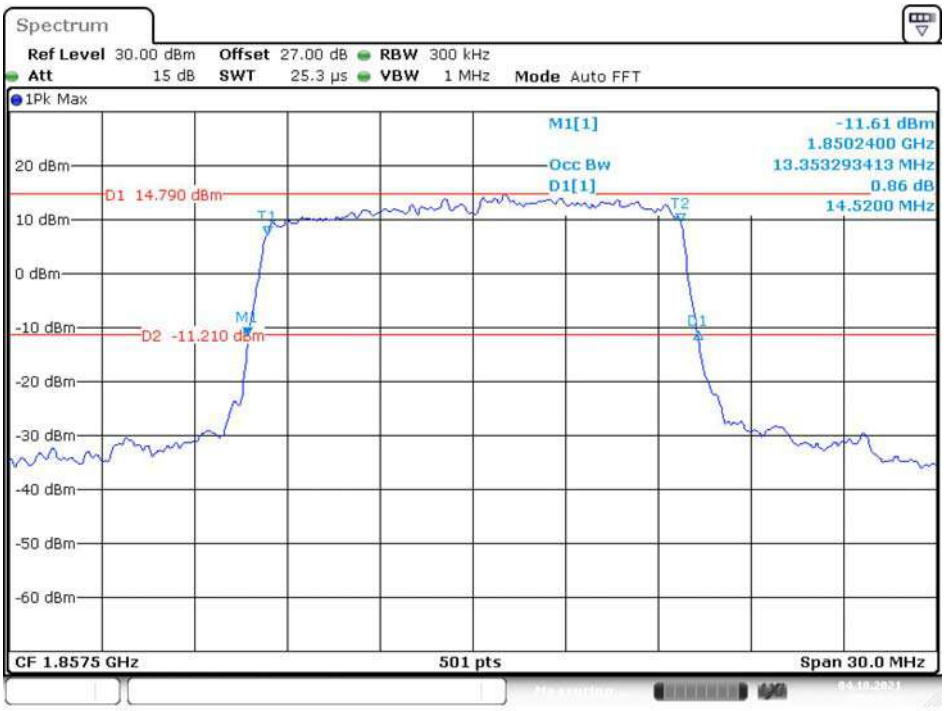
Date: 4.OCT.2021 08:48:41

16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



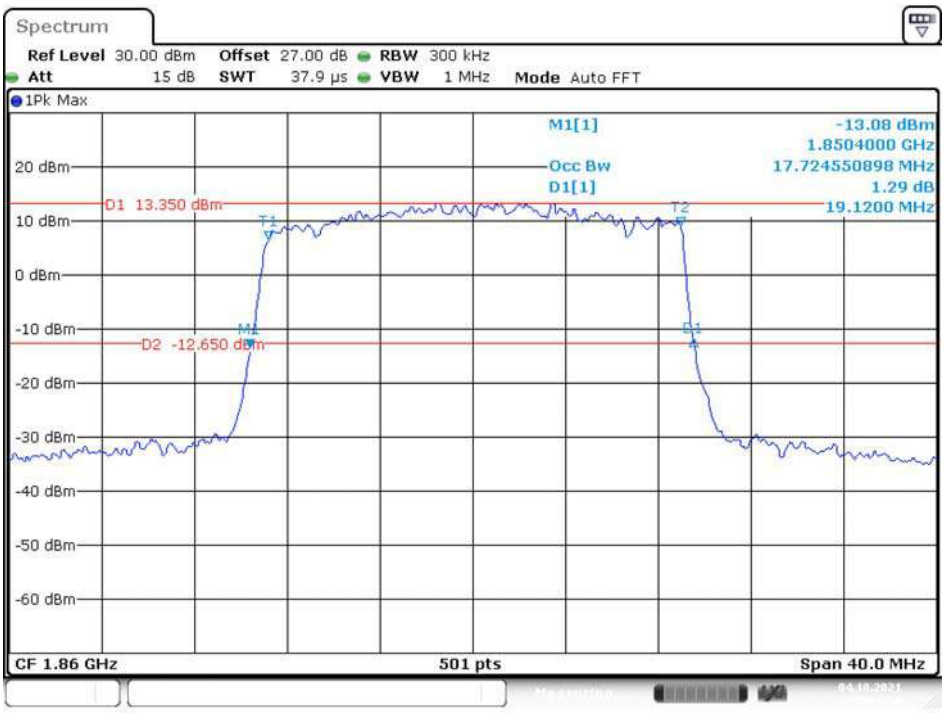
Date: 4.OCT.2021 08:51:07

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



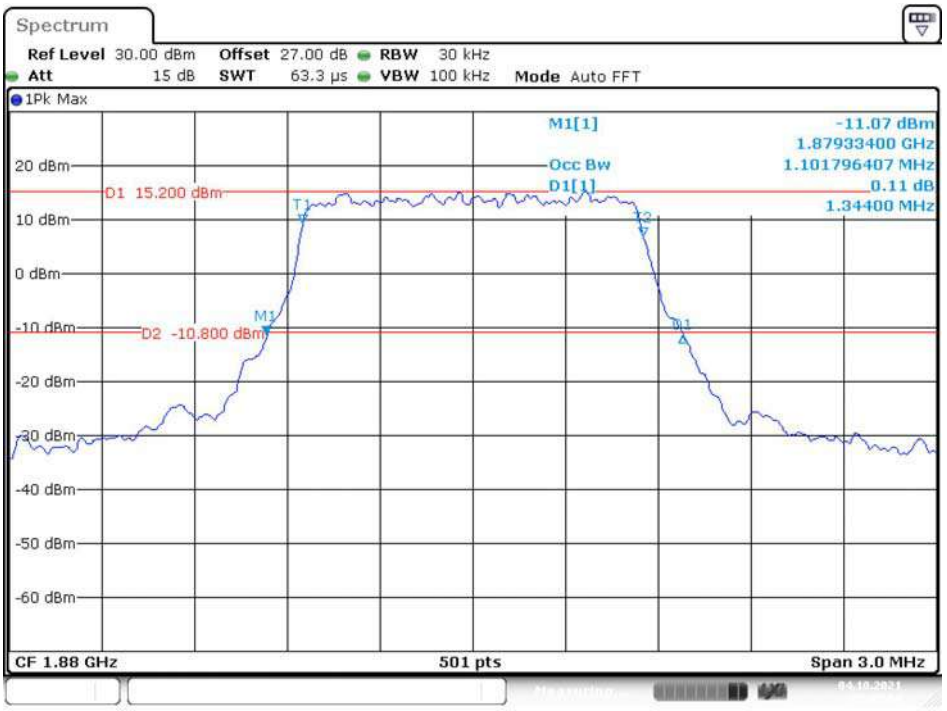
Date: 4.OCT.2021 08:53:57

16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



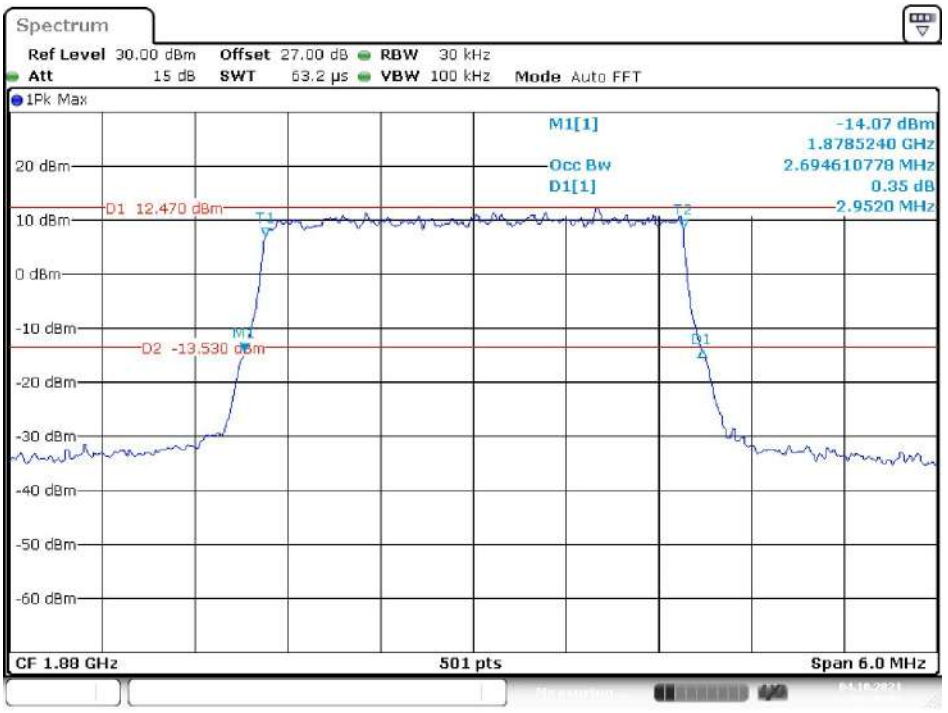
Date: 4.OCT.2021 08:57:28

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



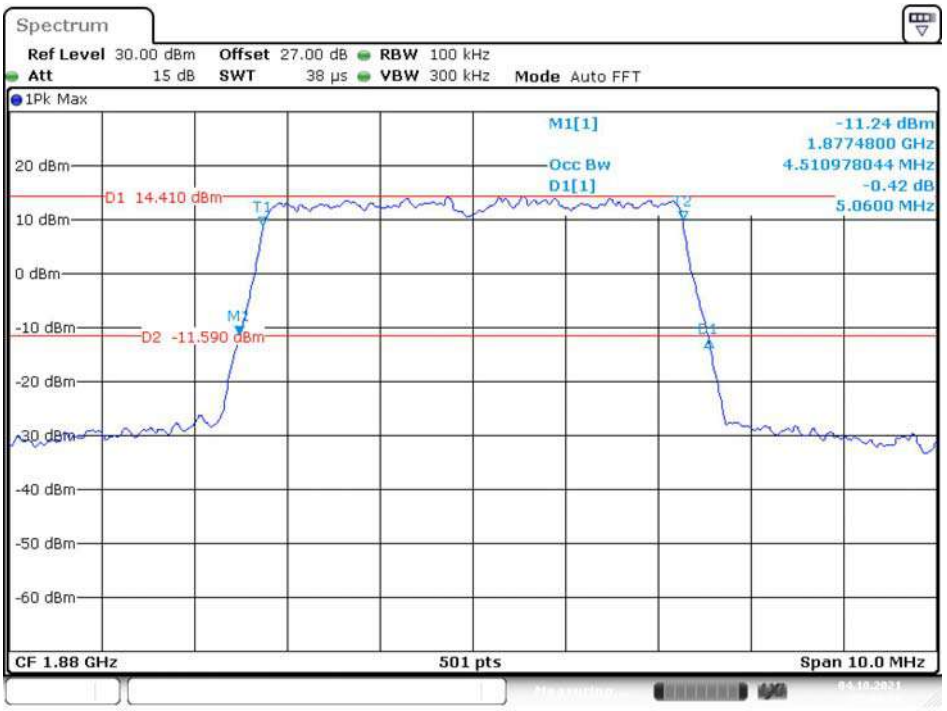
Date: 4.OCT.2021 08:45:04

QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



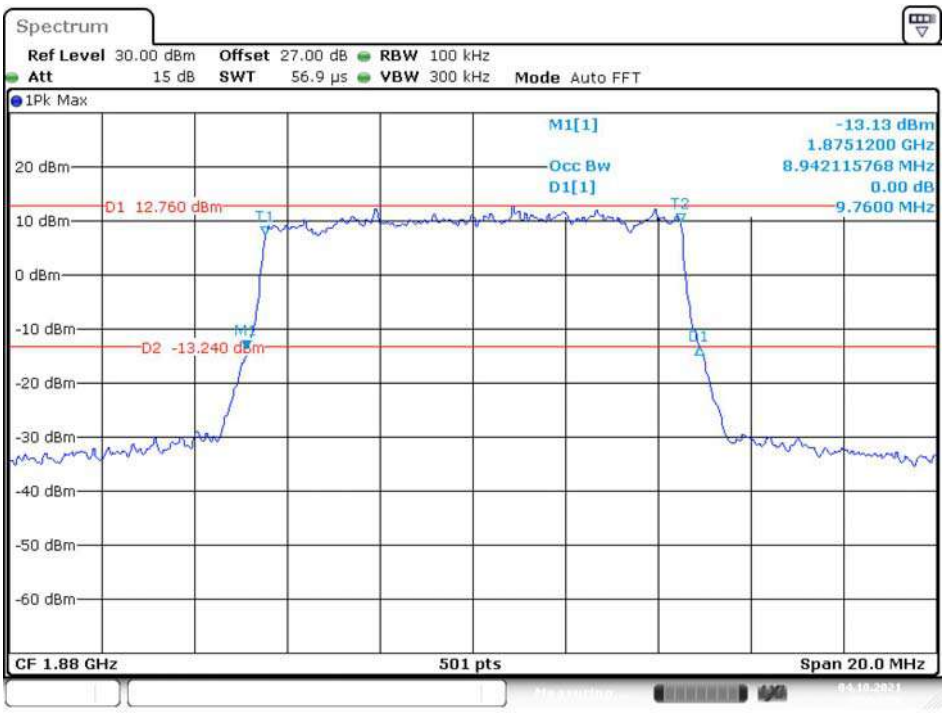
Date: 4.OCT.2021 08:46:54

QPSK (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



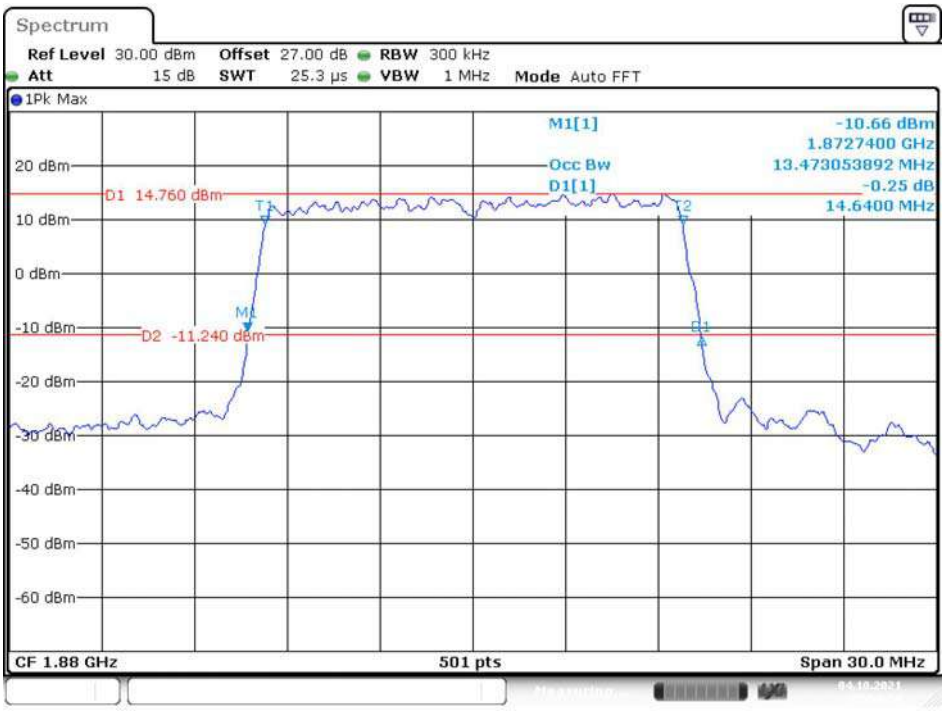
Date: 4.OCT.2021 08:49:02

QPSK (10MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



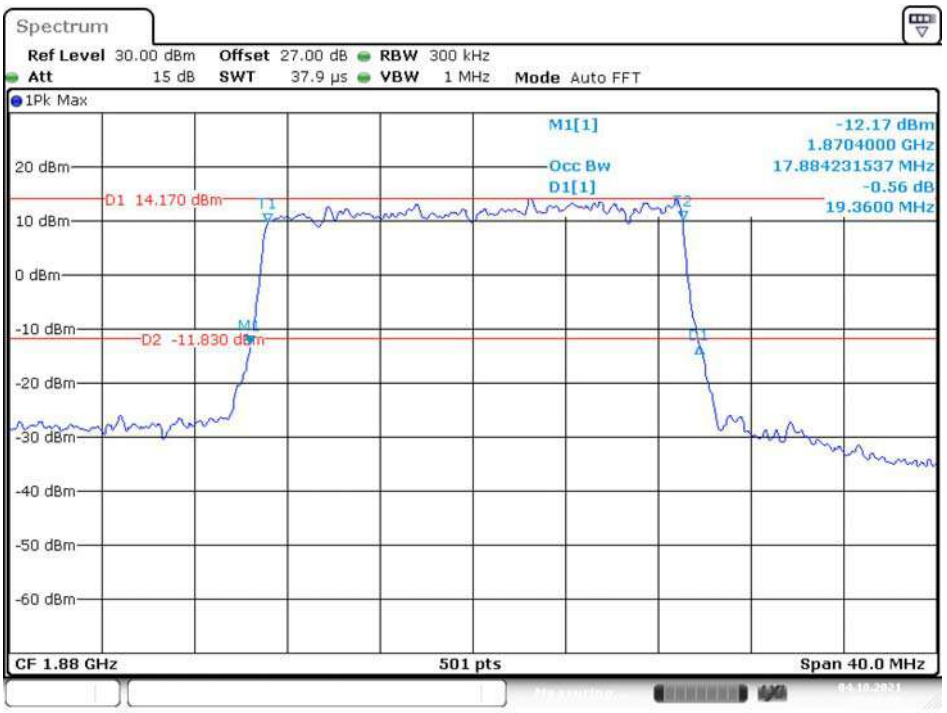
Date: 4.OCT.2021 08:51:38

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



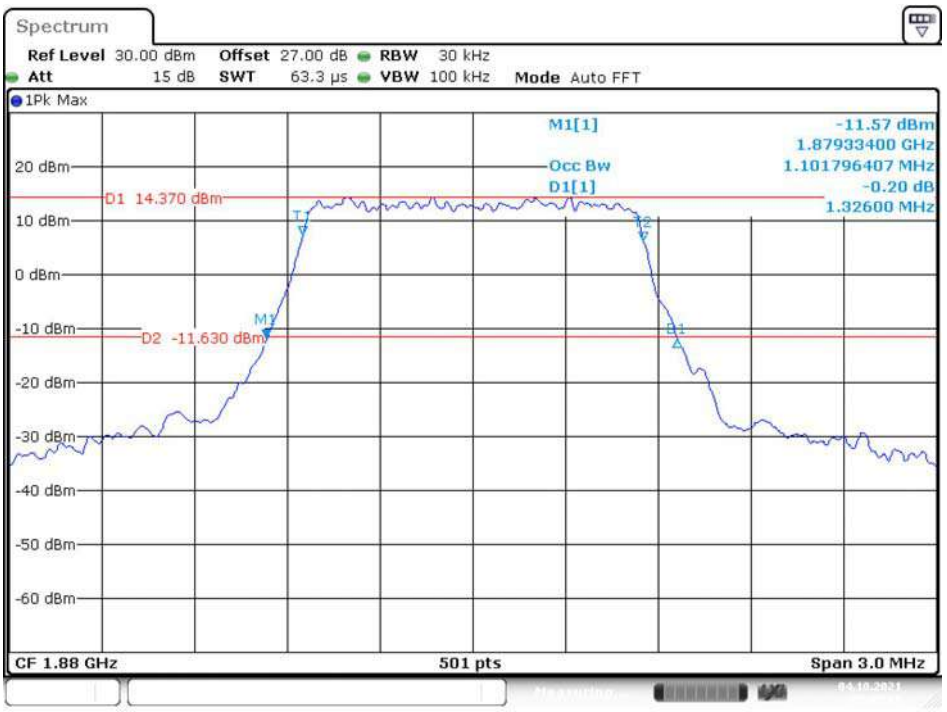
Date: 4.OCT.2021 08:54:25

QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



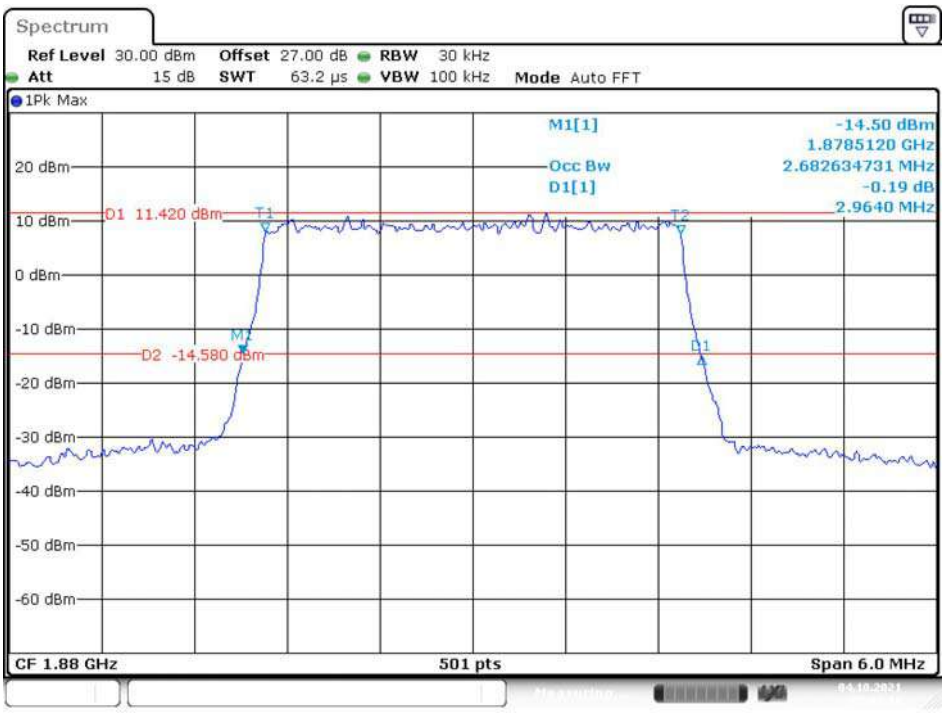
Date: 4.OCT.2021 08:57:59

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



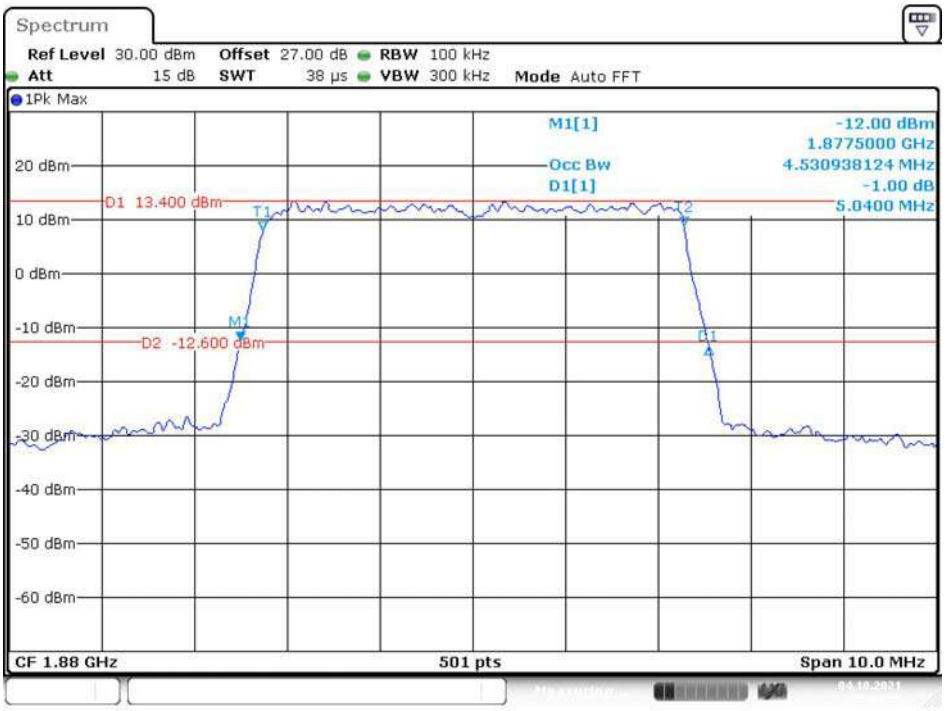
Date: 4.OCT.2021 08:45:19

16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



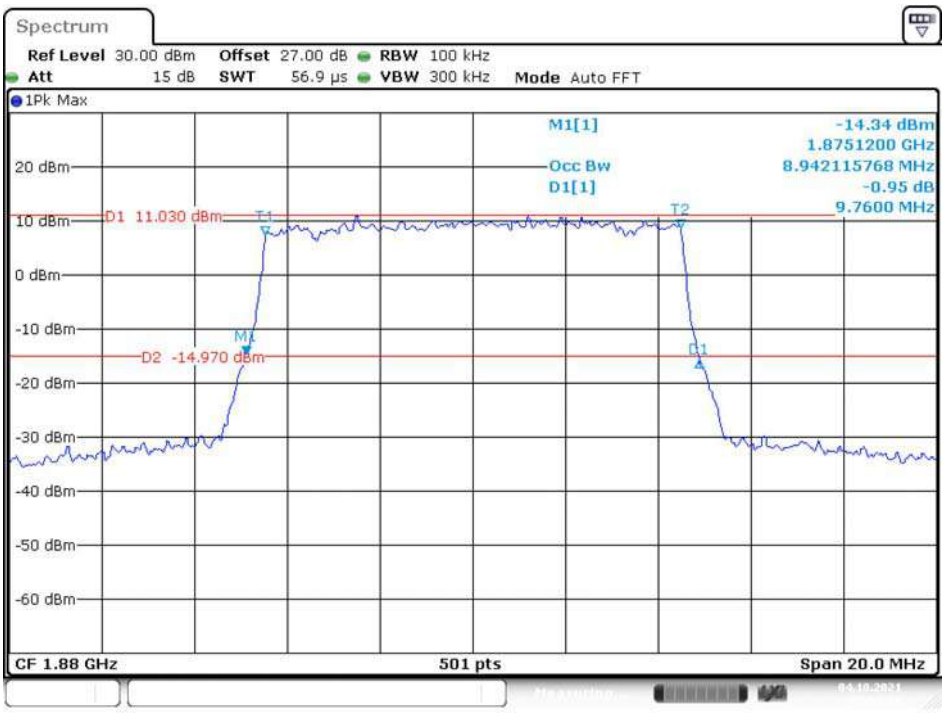
Date: 4.OCT.2021 08:47:11

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



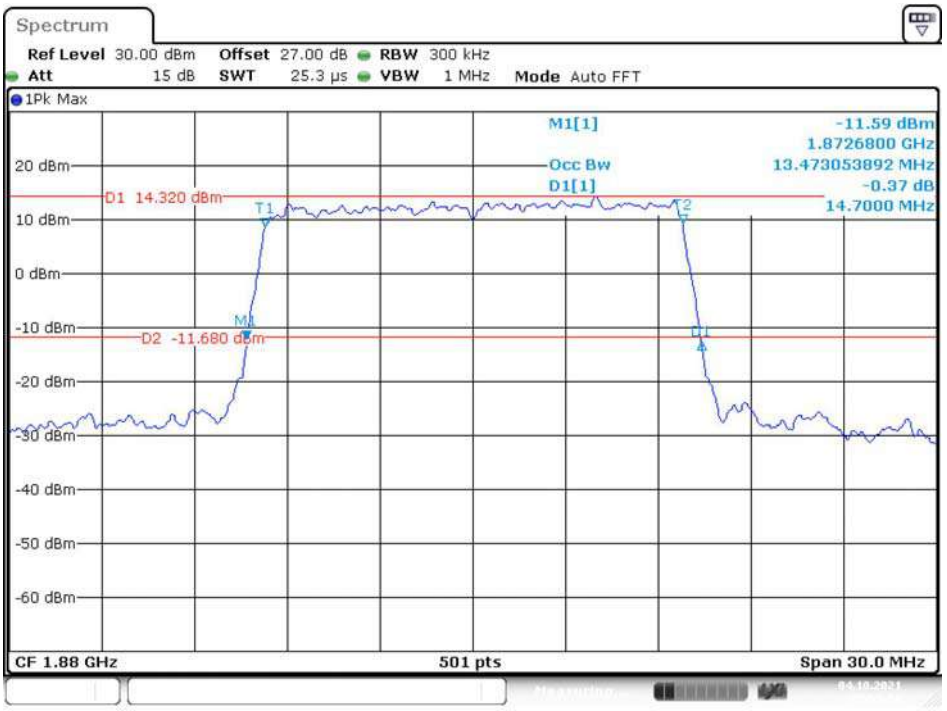
Date: 4.OCT.2021 08:49:26

16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



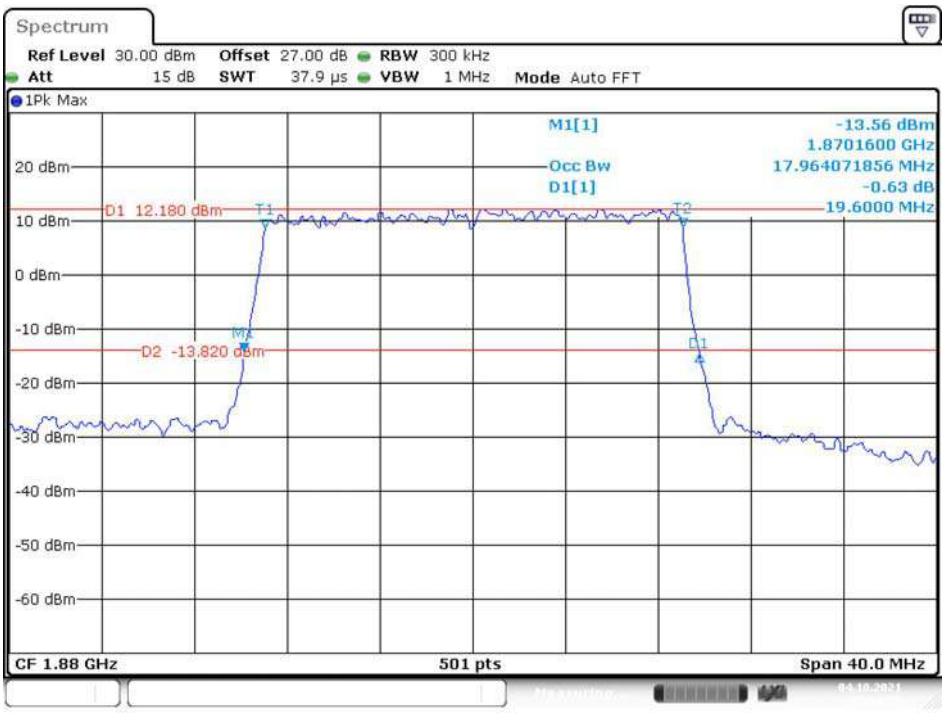
Date: 4.OCT.2021 08:52:03

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



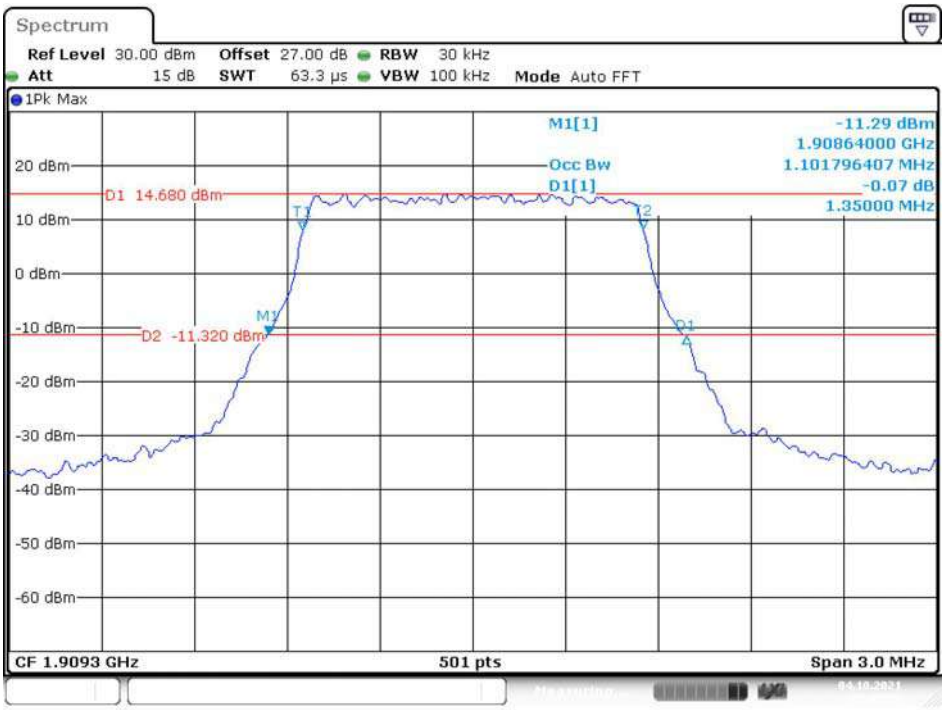
Date: 4.OCT.2021 08:55:01

16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



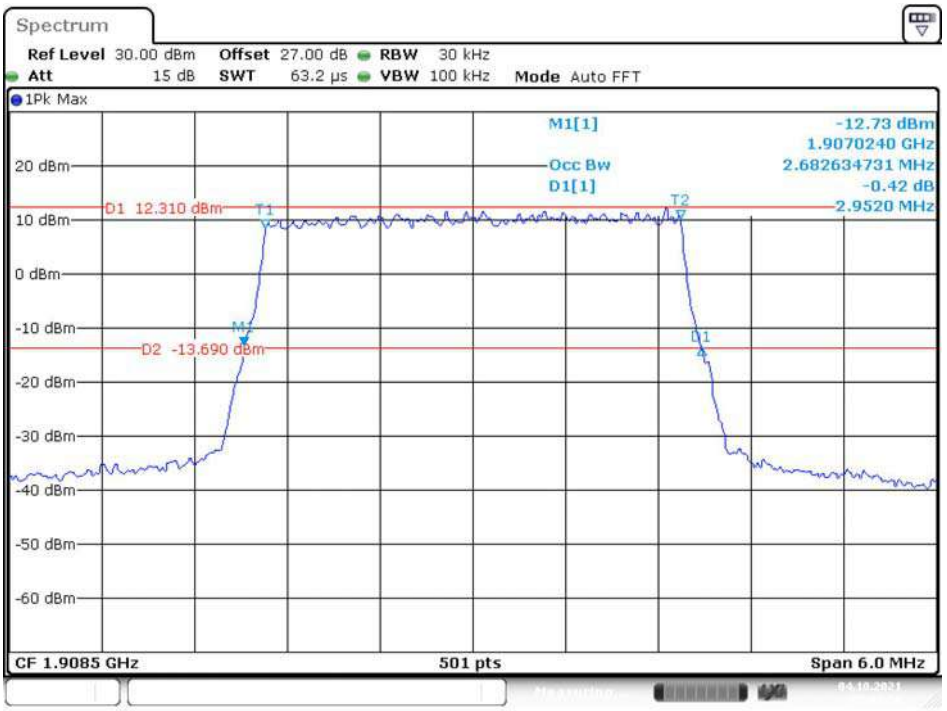
Date: 4.OCT.2021 08:58:35

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



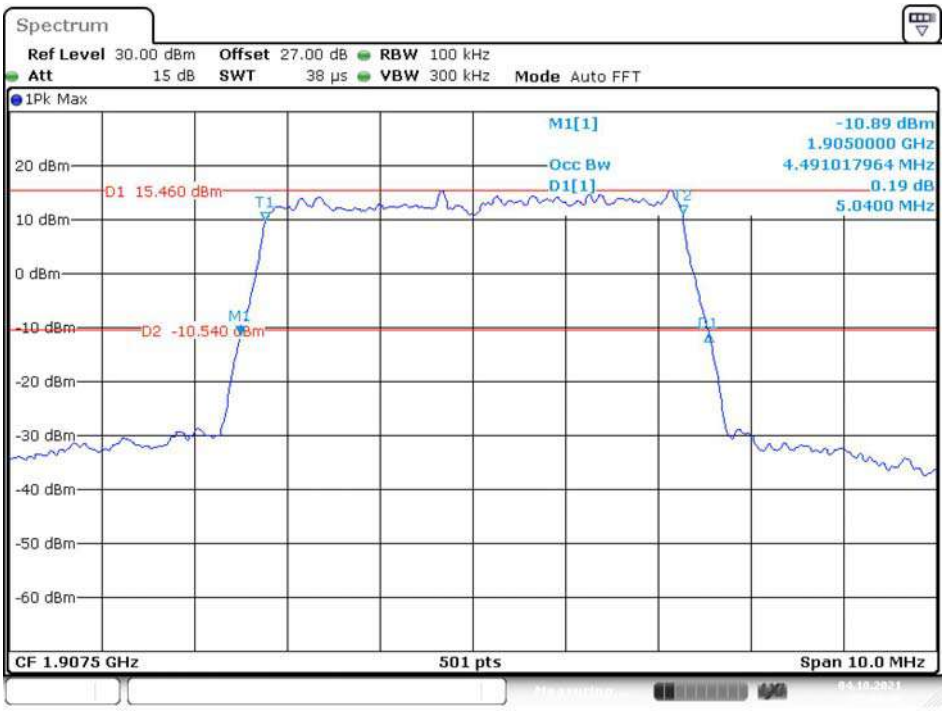
Date: 4.OCT.2021 08:45:37

QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



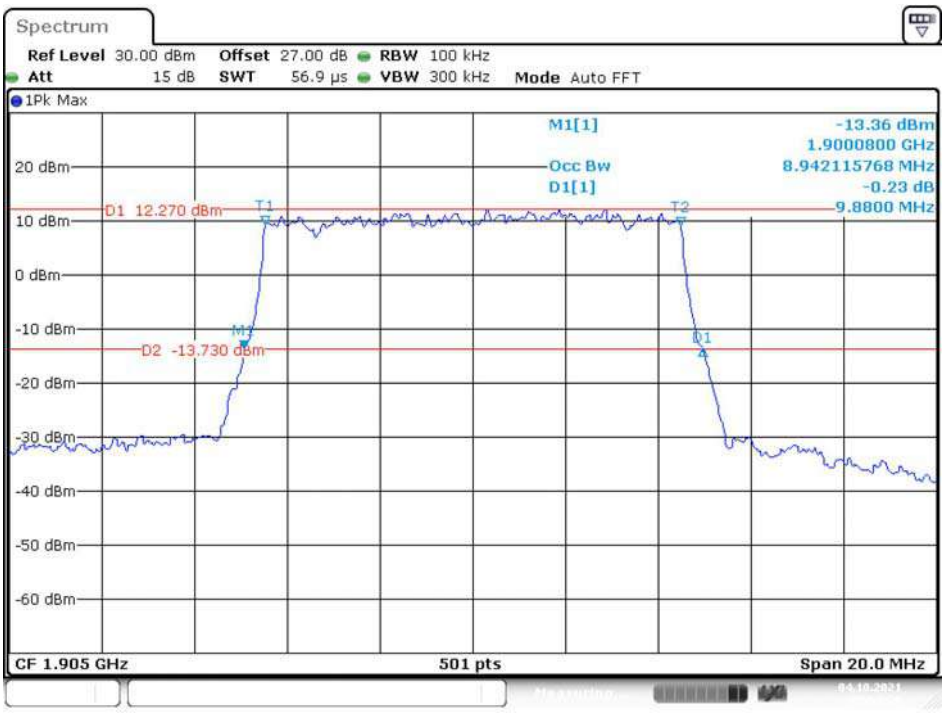
Date: 4.OCT.2021 08:47:29

QPSK (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



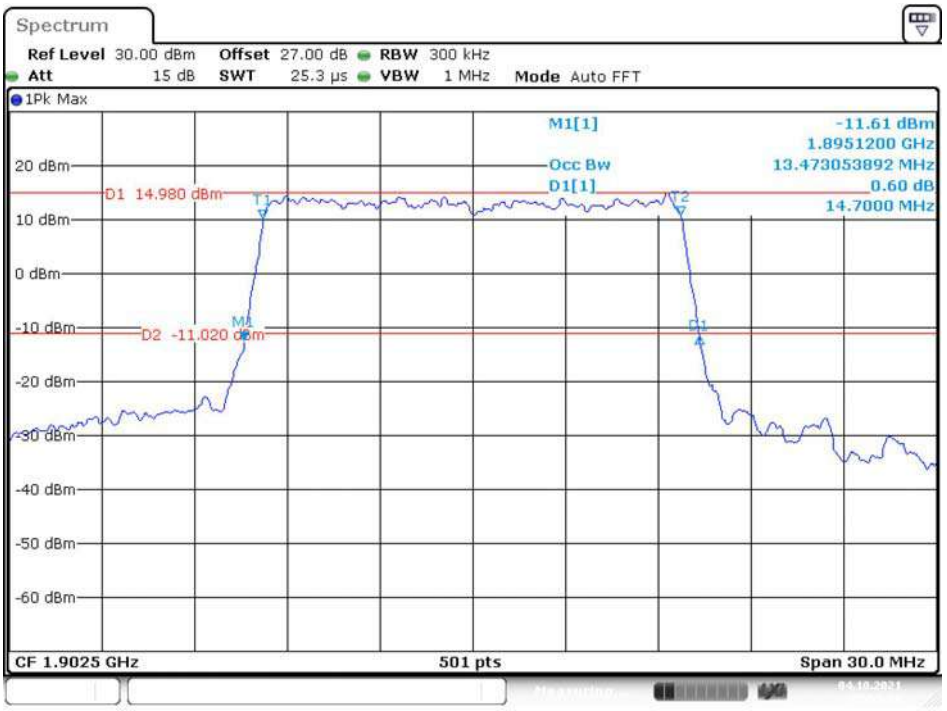
Date: 4.OCT.2021 08:49:47

QPSK (10MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



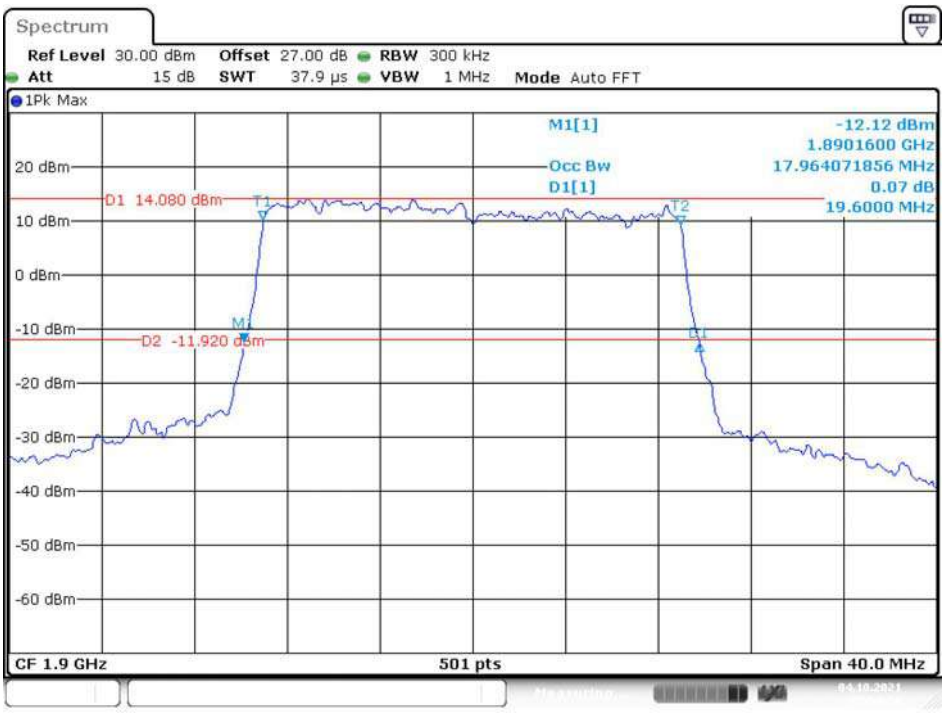
Date: 4.OCT.2021 08:52:29

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



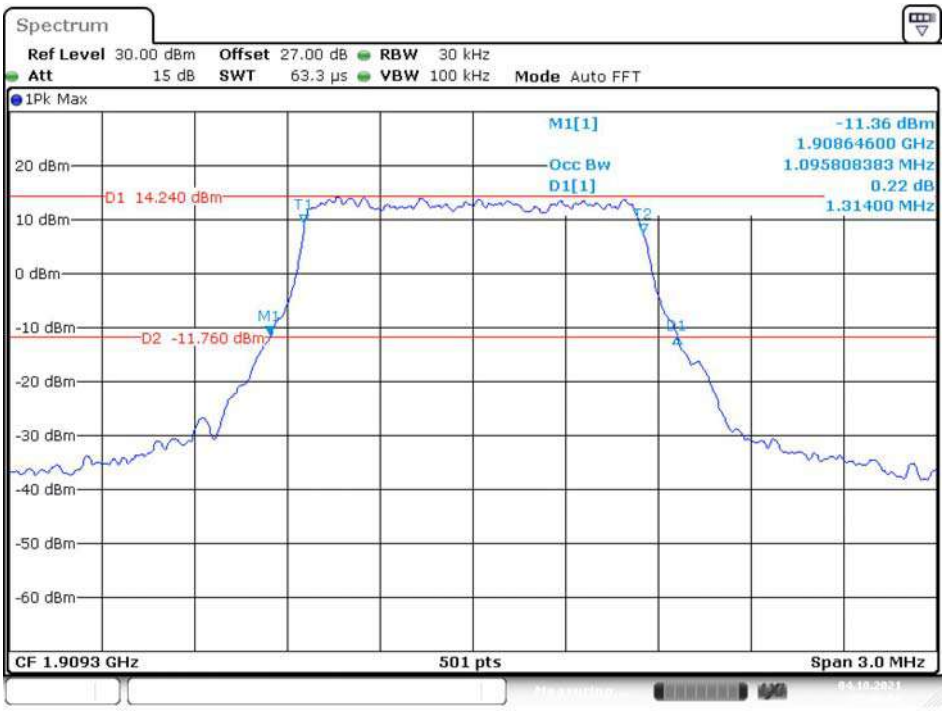
Date: 4.OCT.2021 08:55:32

QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



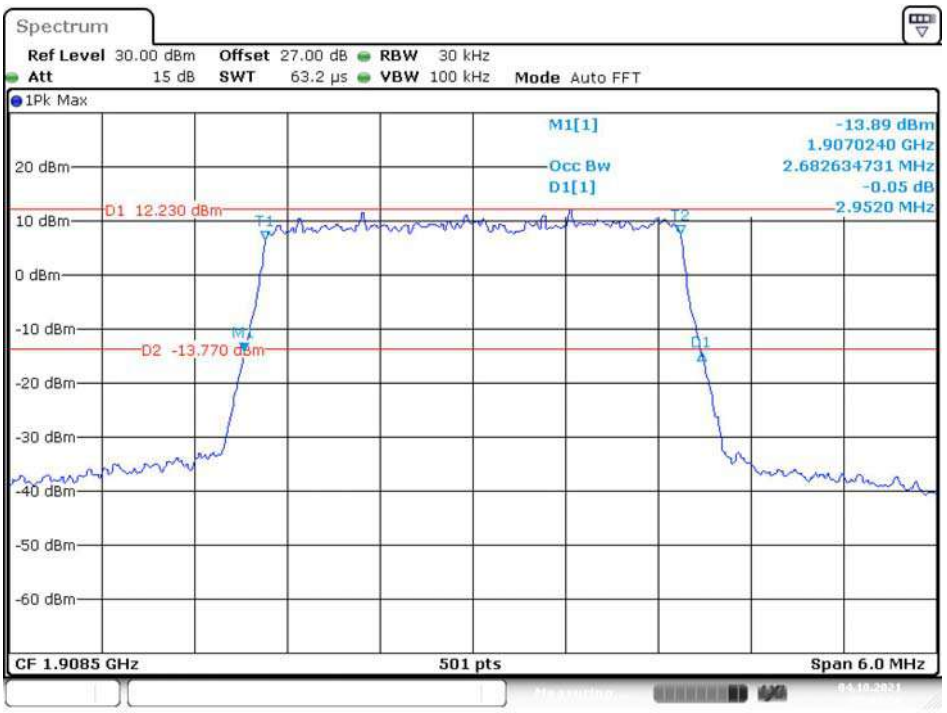
Date: 4.OCT.2021 08:59:19

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



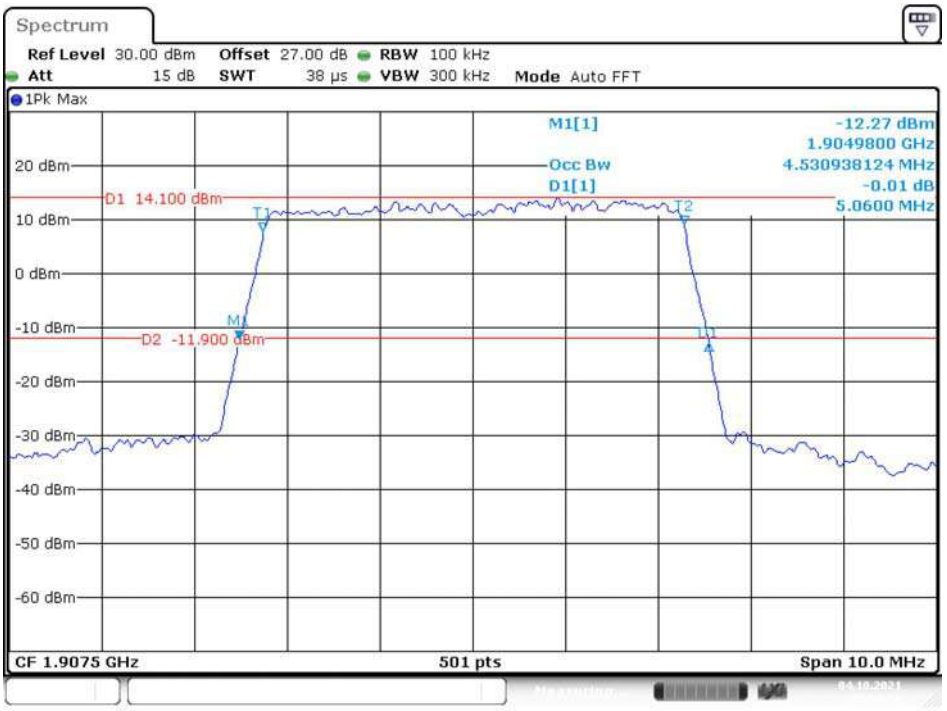
Date: 4.OCT.2021 08:46:01

16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



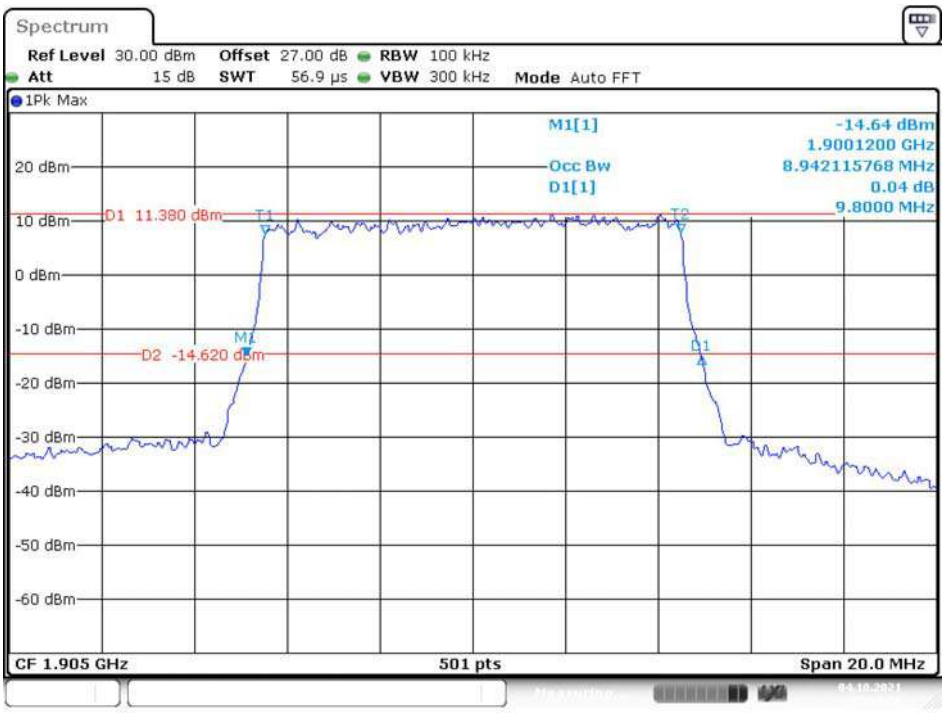
Date: 4.OCT.2021 08:47:50

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



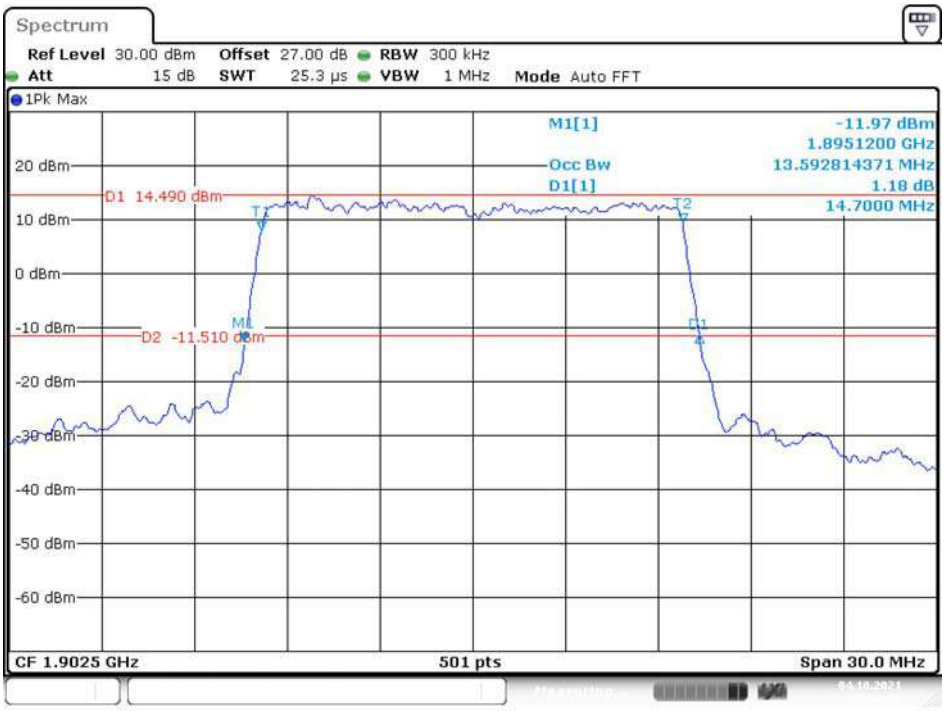
Date: 4.OCT.2021 08:50:10

16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



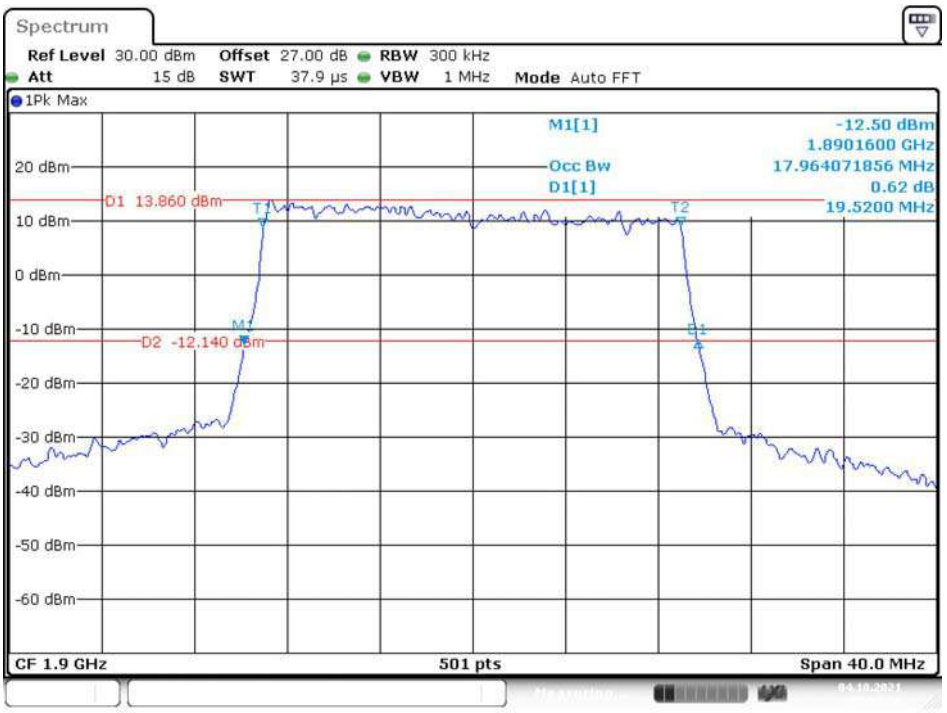
Date: 4.OCT.2021 08:52:50

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 08:56:08

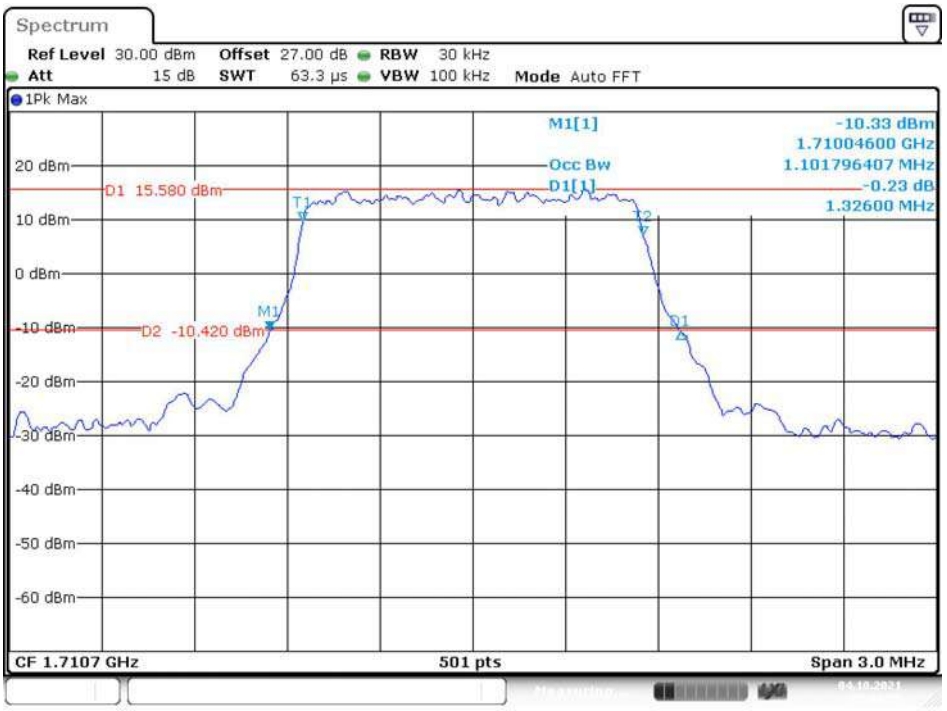
16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 08:59:58

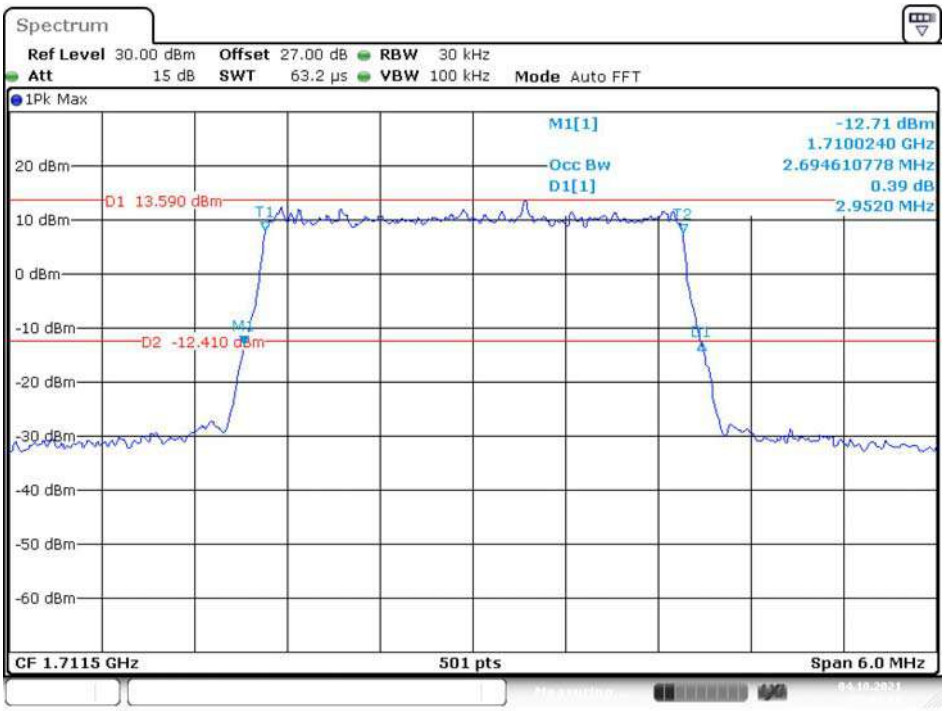
LTE Band 4

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



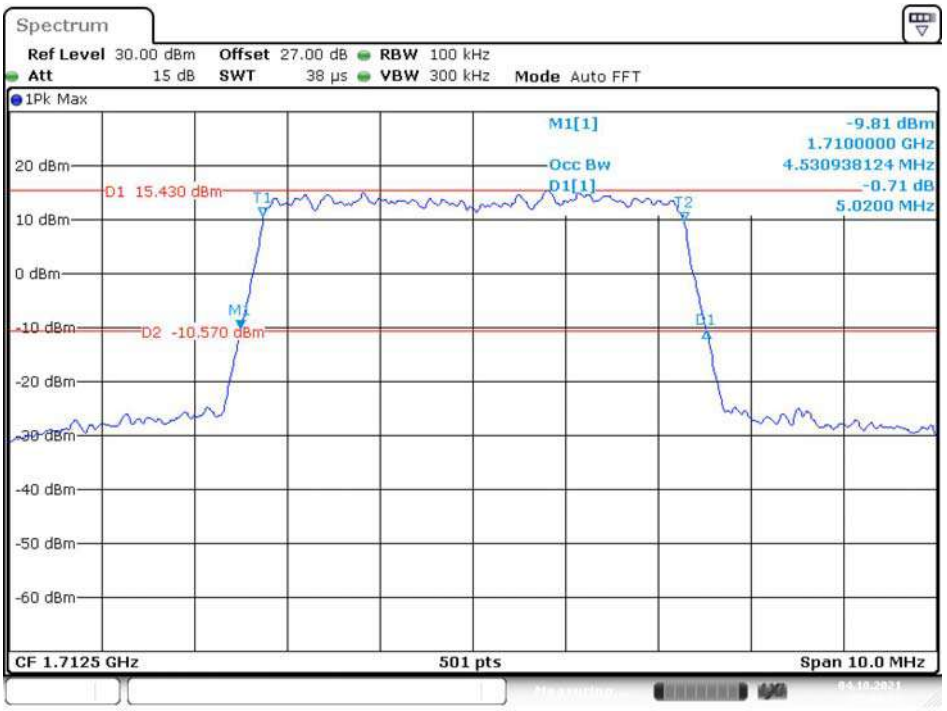
Date: 4.OCT.2021 09:00:26

QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



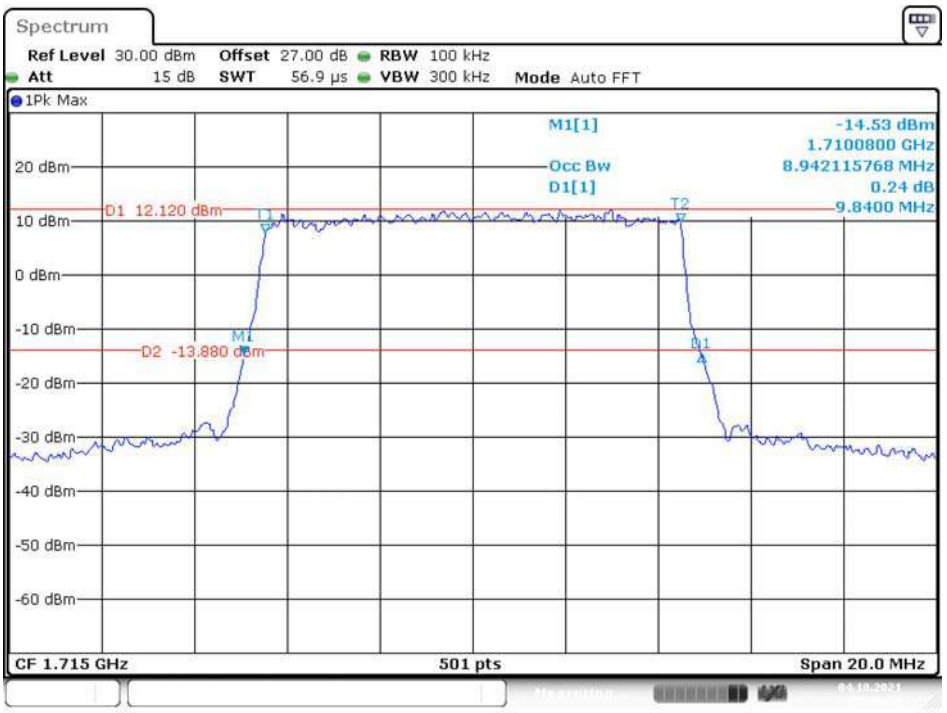
Date: 4.OCT.2021 09:02:12

QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



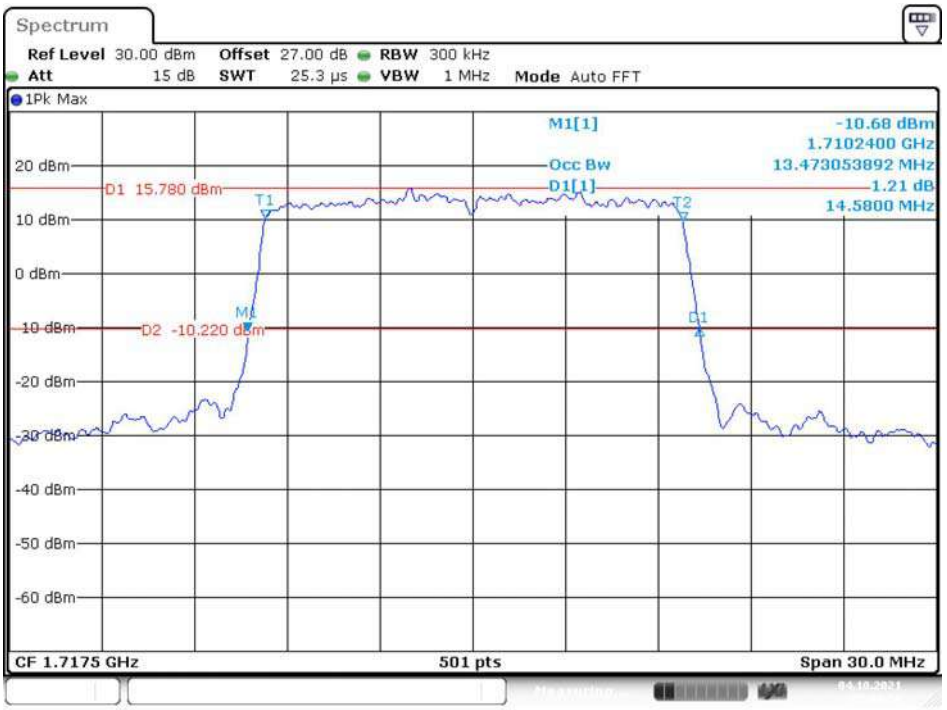
Date: 4.OCT.2021 09:04:08

QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



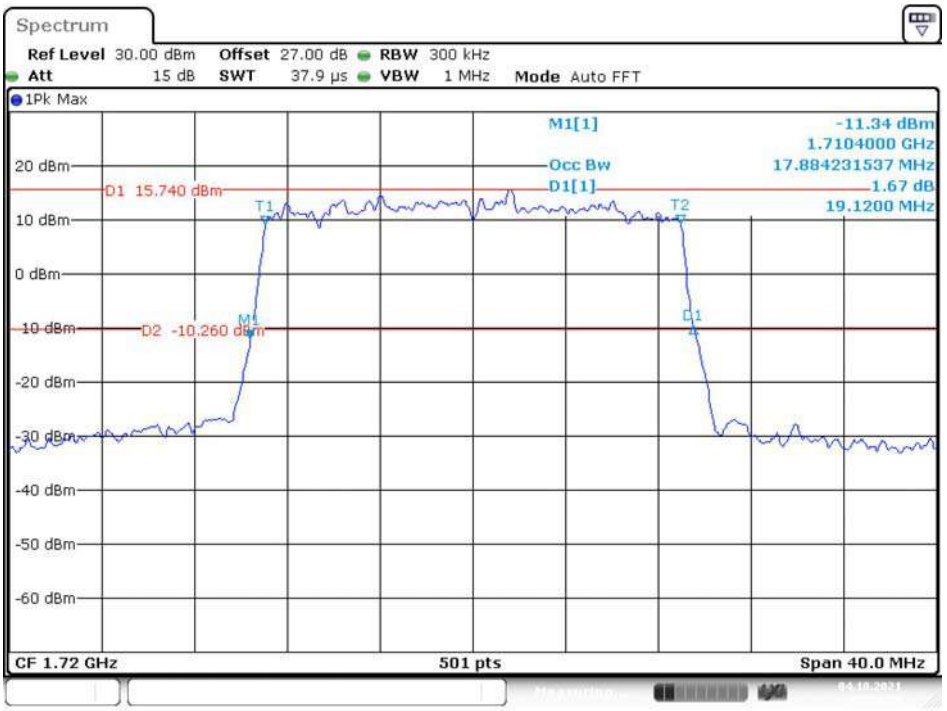
Date: 4.OCT.2021 09:06:25

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



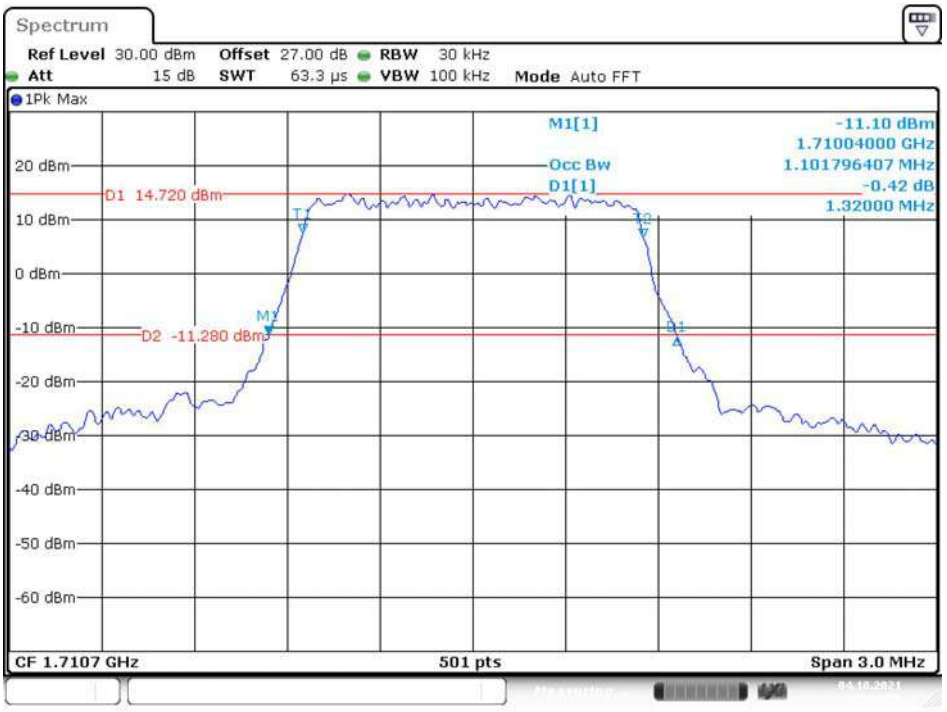
Date: 4.OCT.2021 09:09:26

QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



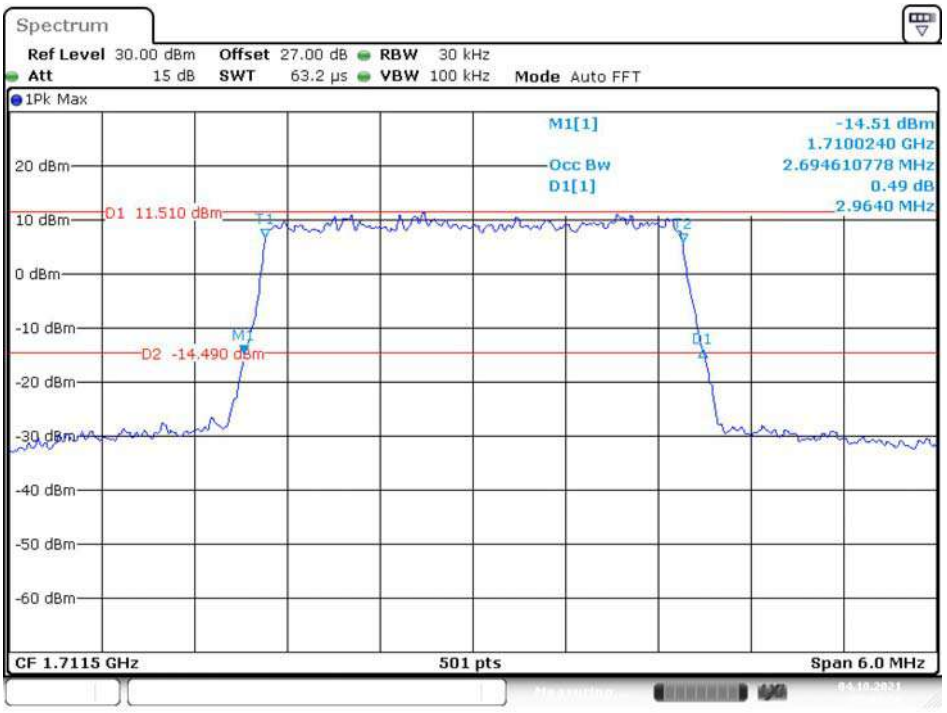
Date: 4.OCT.2021 09:12:35

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



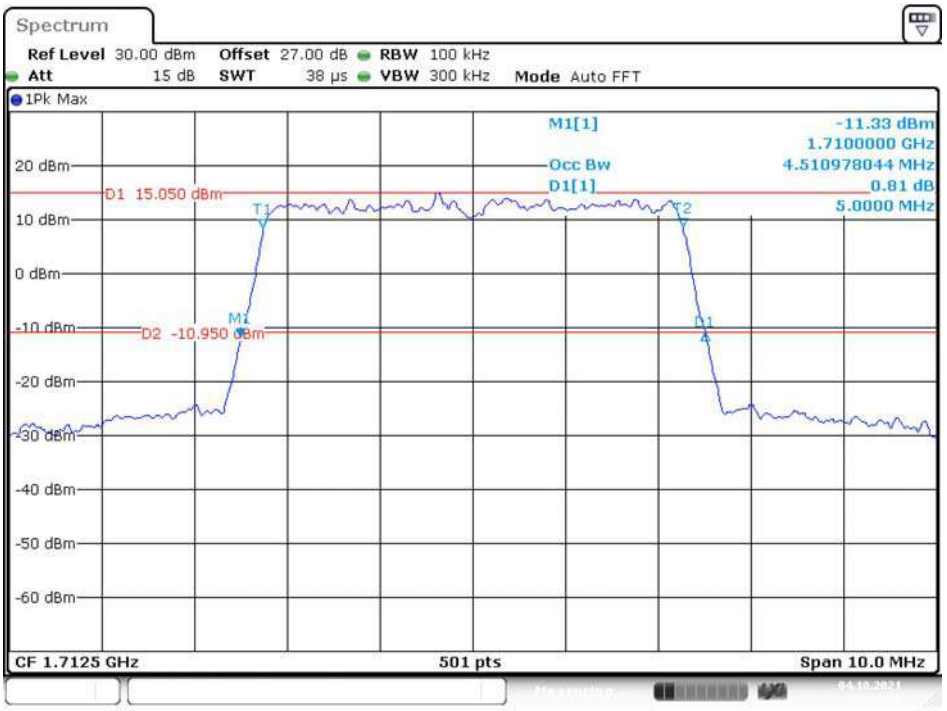
Date: 4.OCT.2021 09:00:40

16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



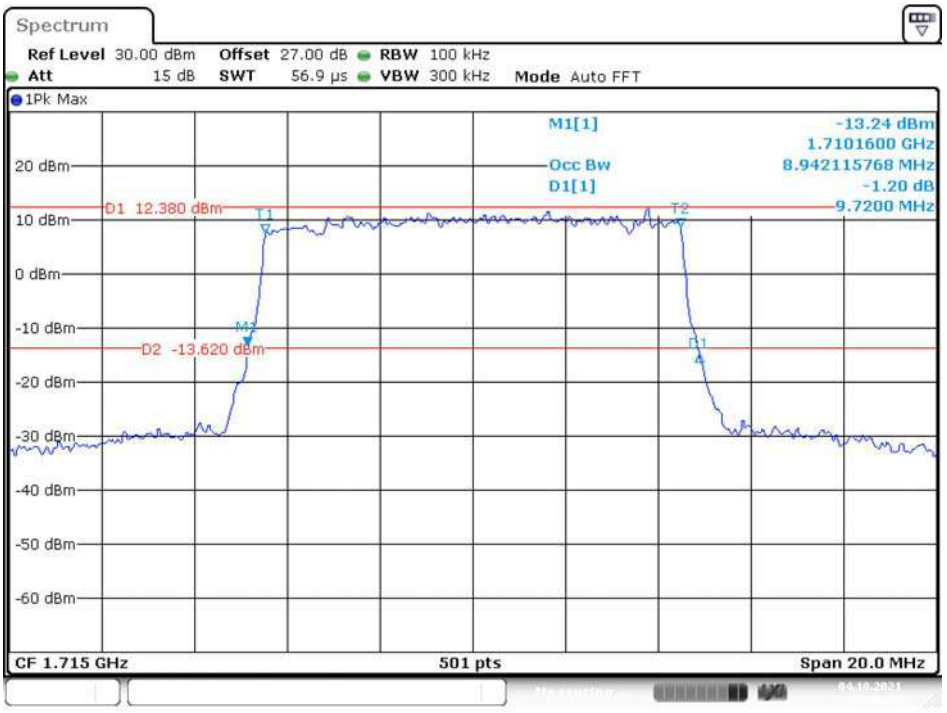
Date: 4.OCT.2021 09:02:26

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



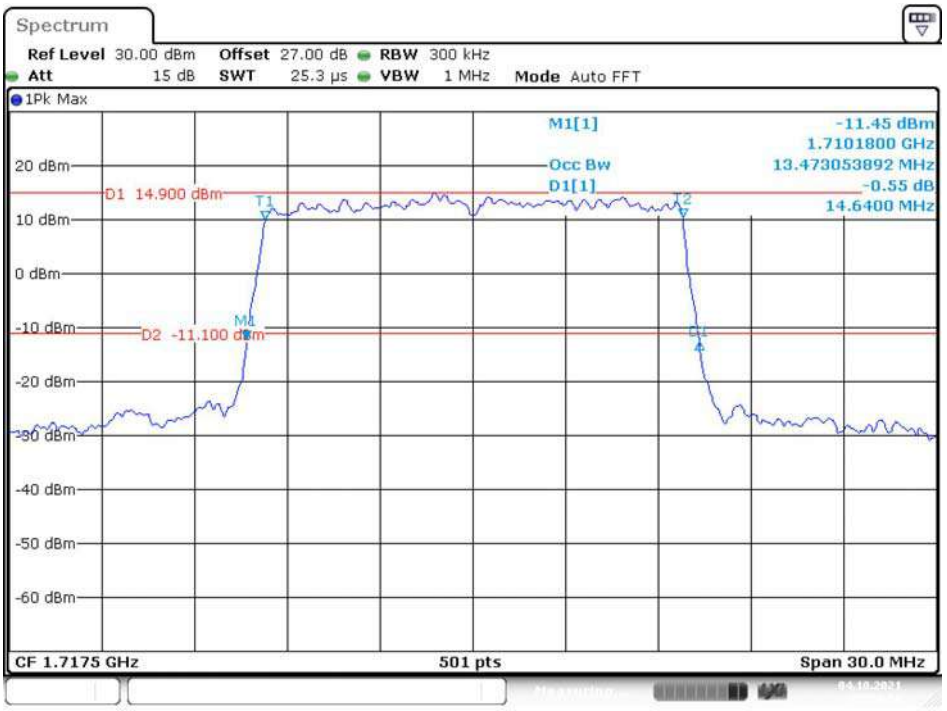
Date: 4.OCT.2021 09:04:31

16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



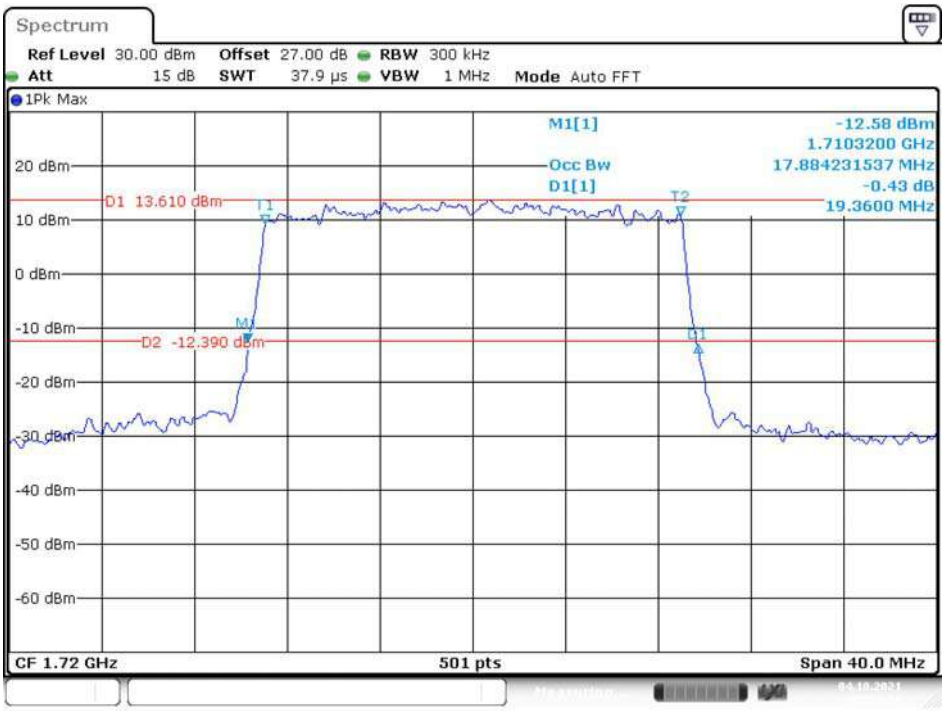
Date: 4.OCT.2021 09:06:53

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



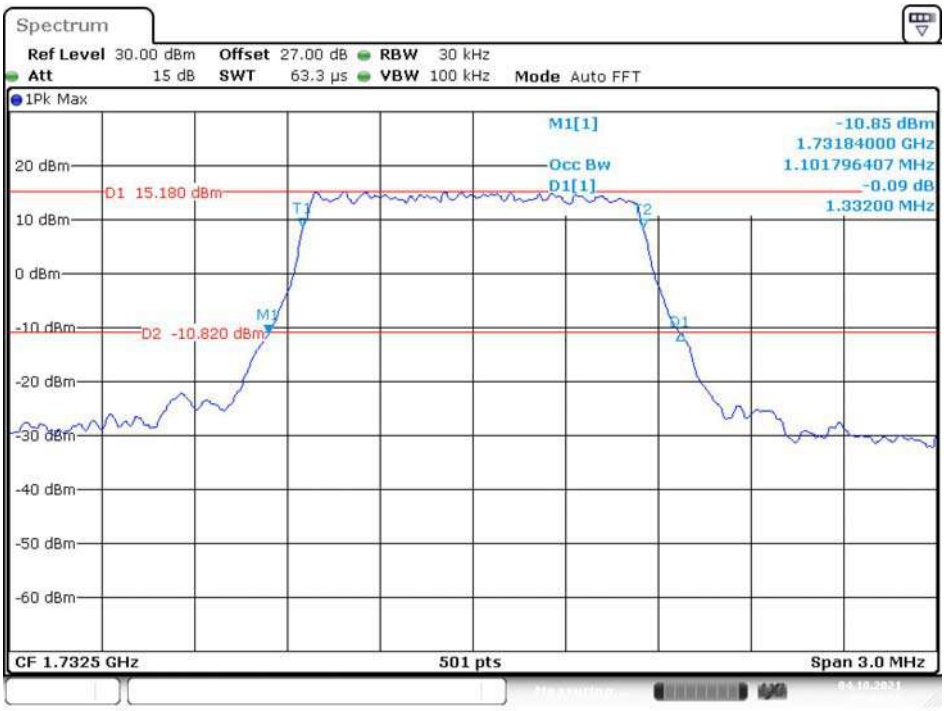
Date: 4.OCT.2021 09:10:02

16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



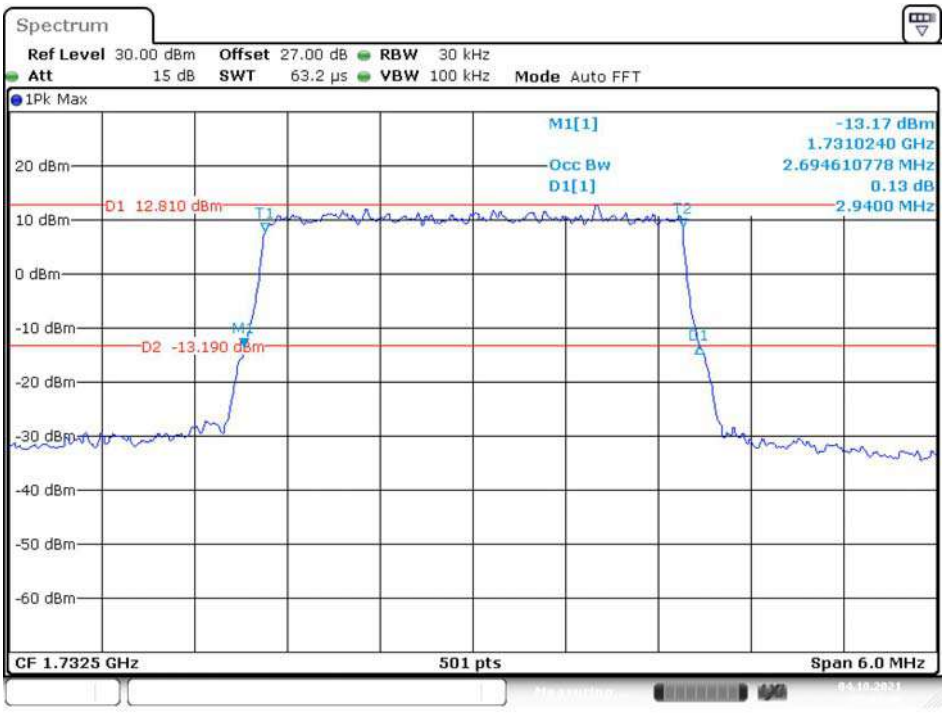
Date: 4.OCT.2021 09:13:14

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



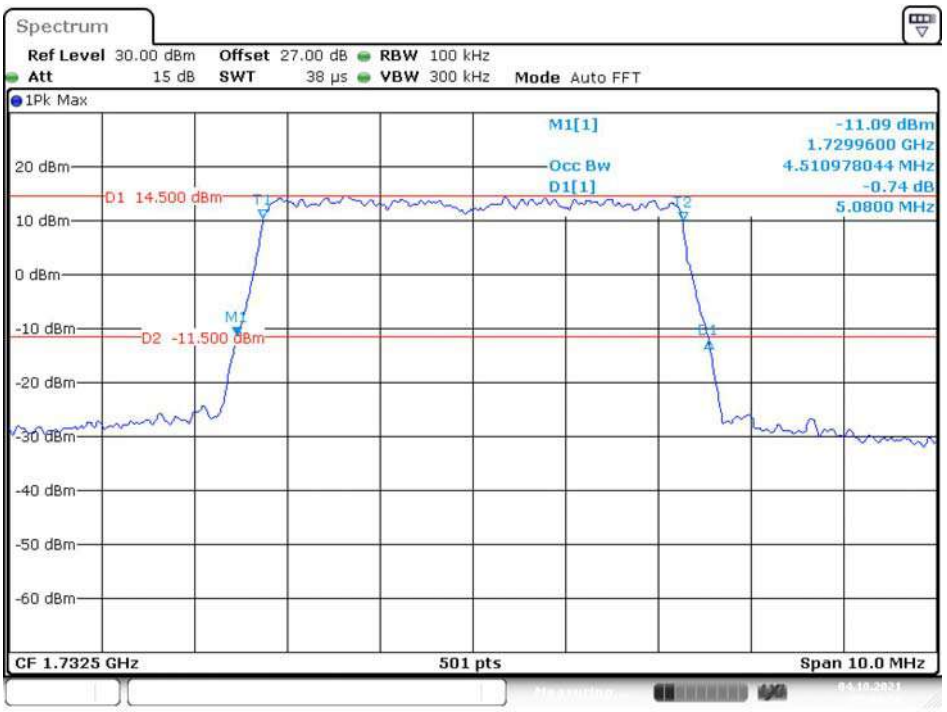
Date: 4.OCT.2021 09:00:55

QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



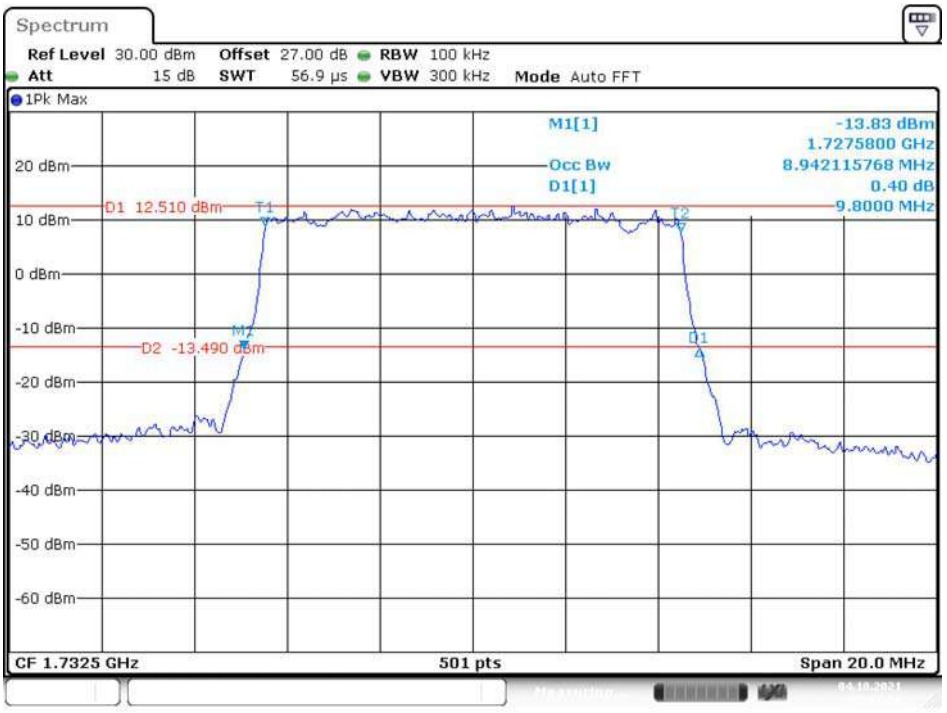
Date: 4.OCT.2021 09:02:41

QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



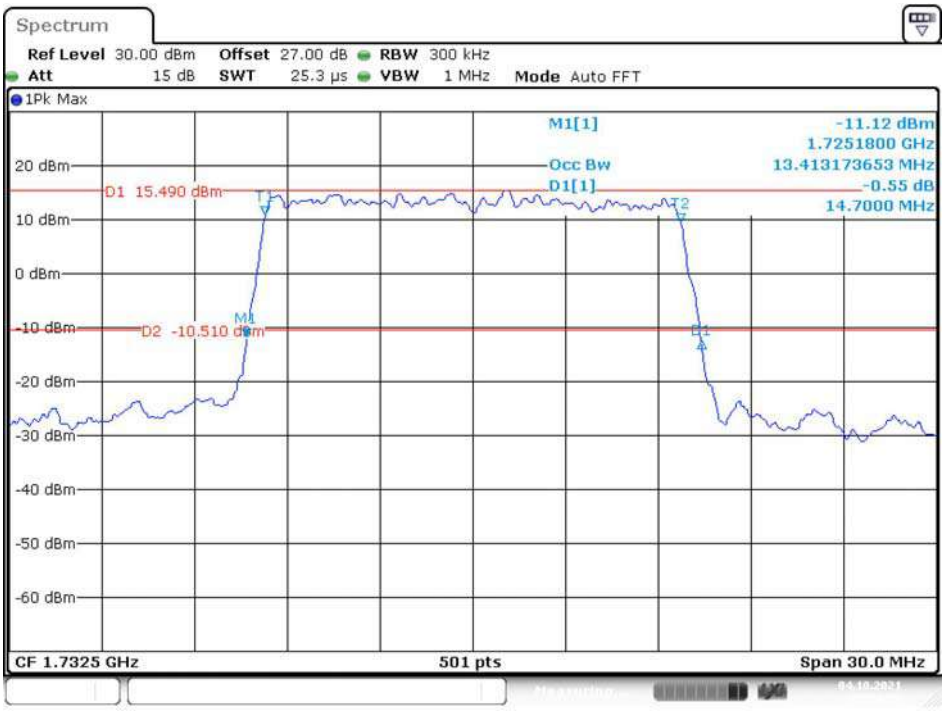
Date: 4.OCT.2021 09:04:52

QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



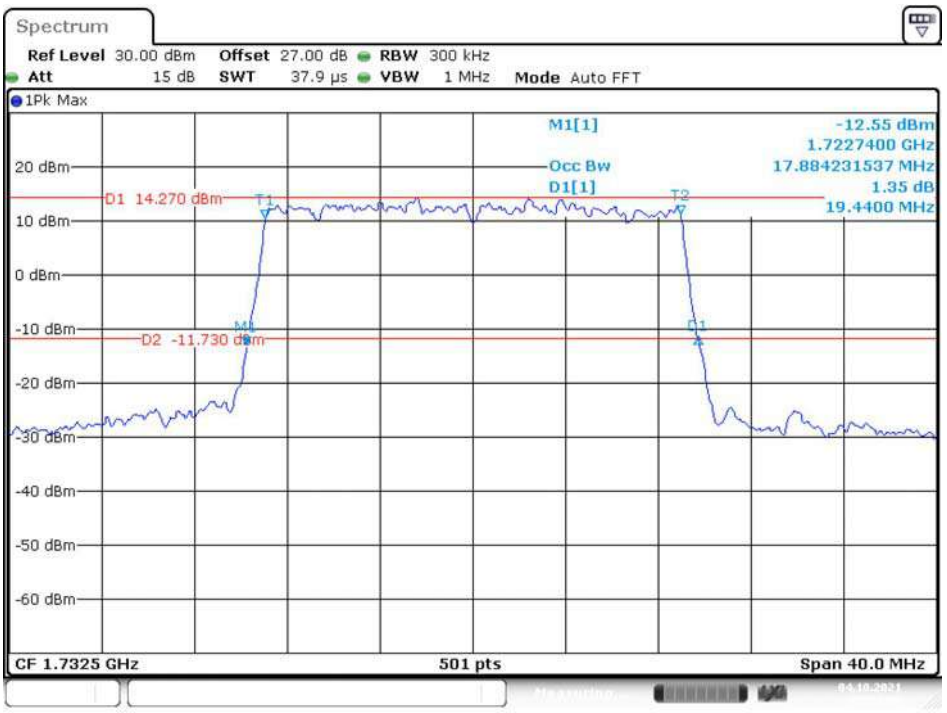
Date: 4.OCT.2021 09:07:21

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



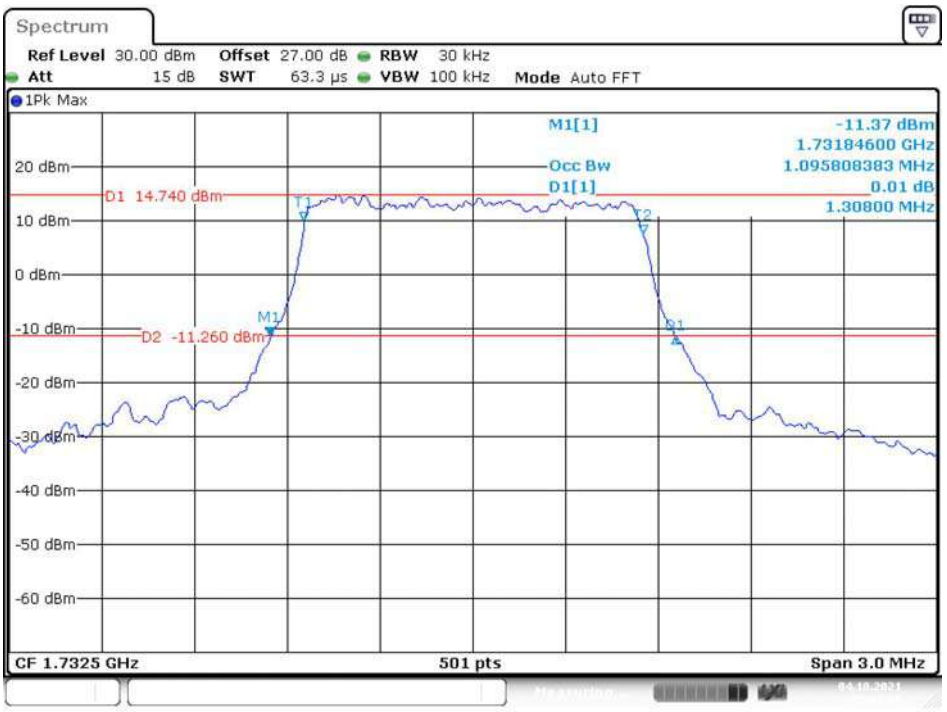
Date: 4.OCT.2021 09:10:26

QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



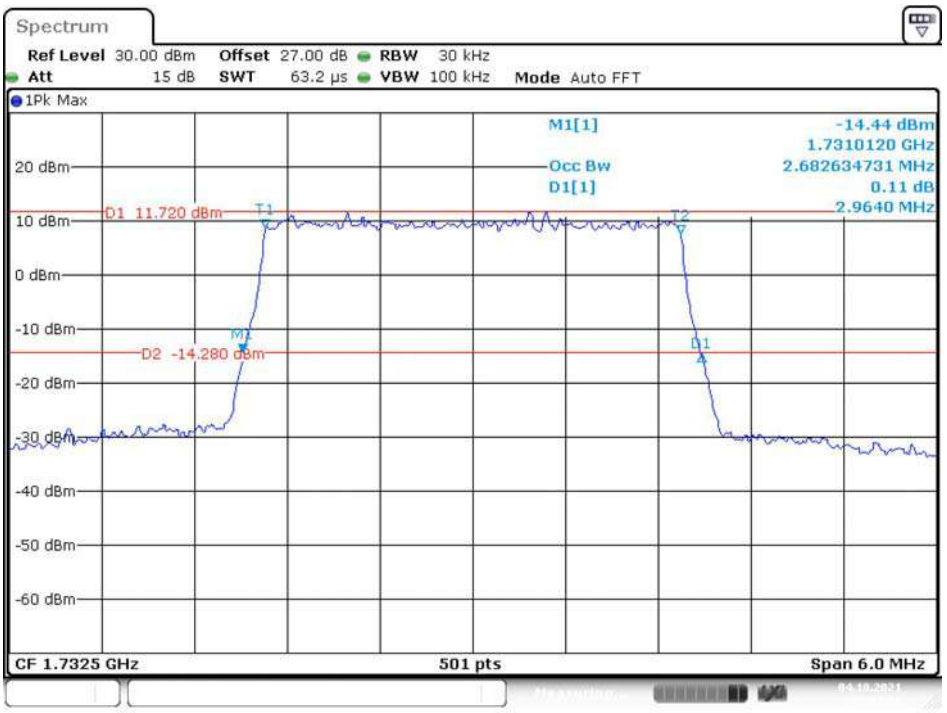
Date: 4.OCT.2021 09:13:48

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



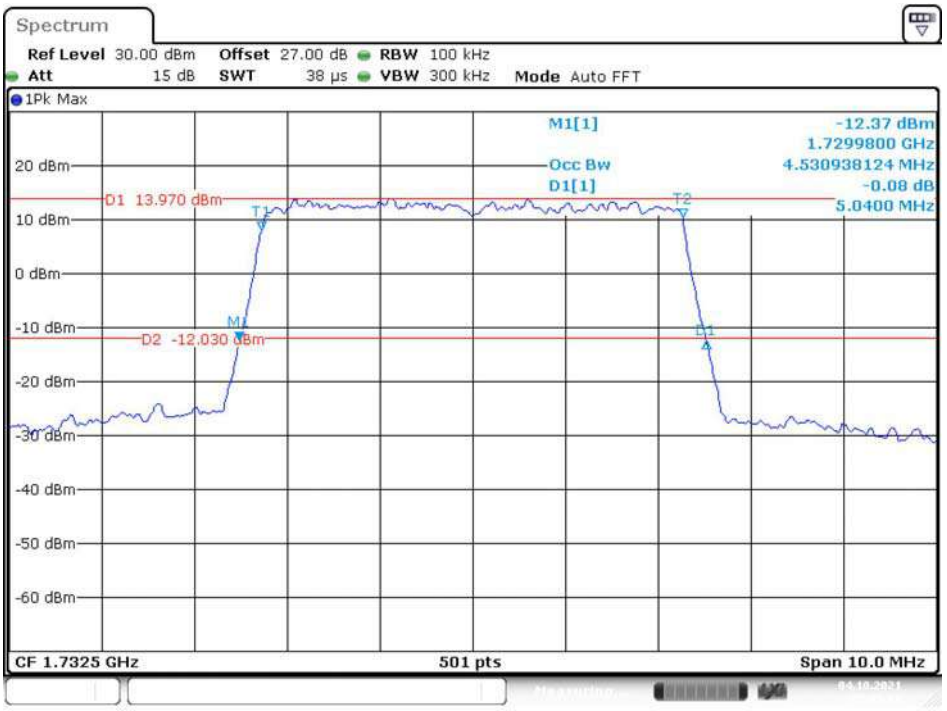
Date: 4.OCT.2021 09:01:09

16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



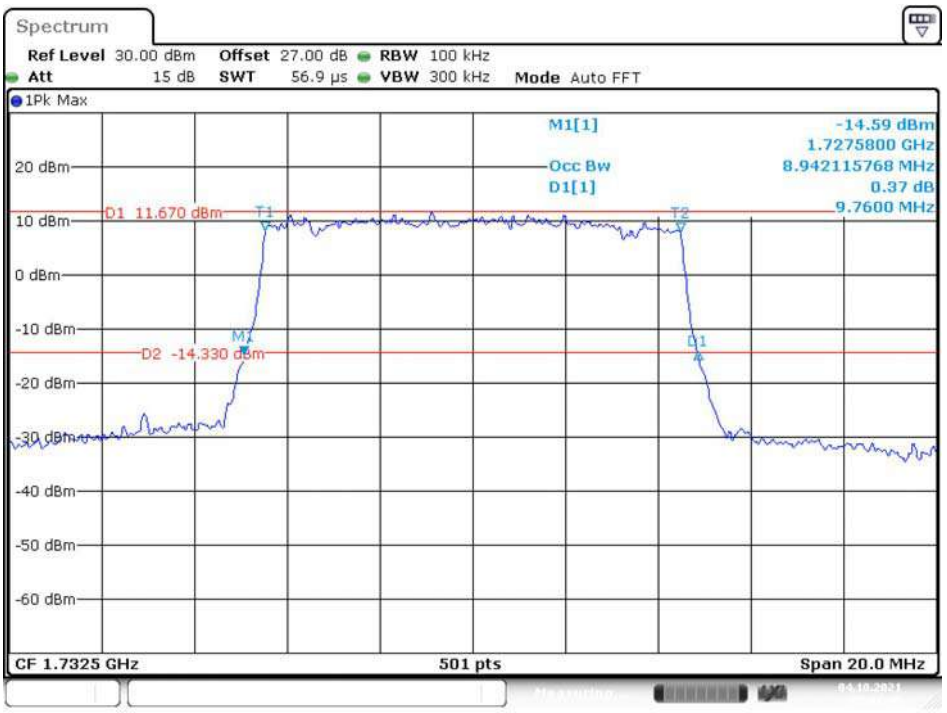
Date: 4.OCT.2021 09:03:01

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



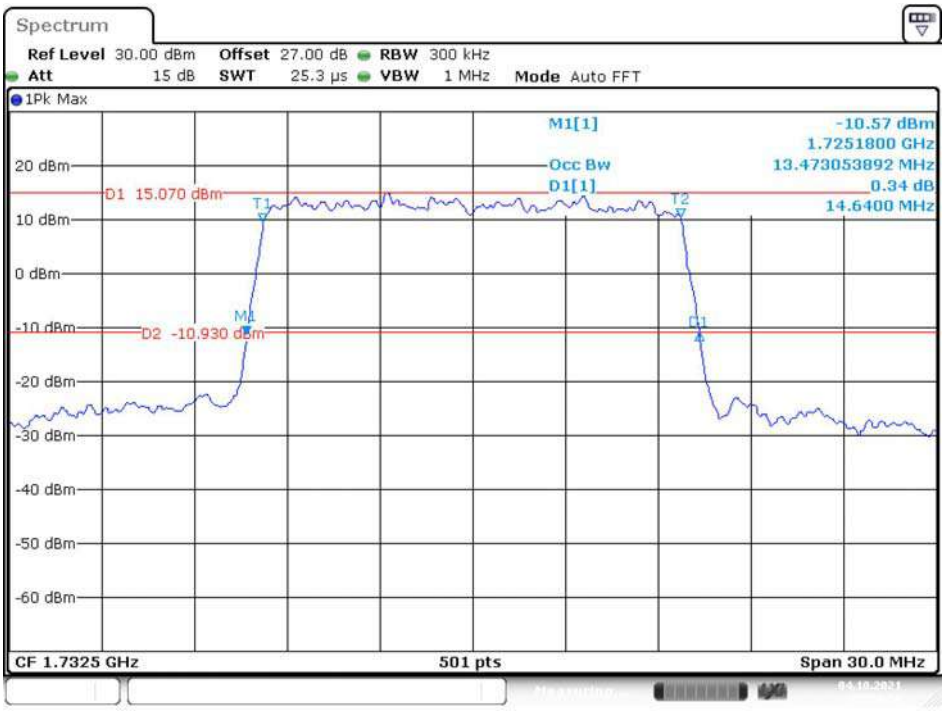
Date: 4.OCT.2021 09:05:13

16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



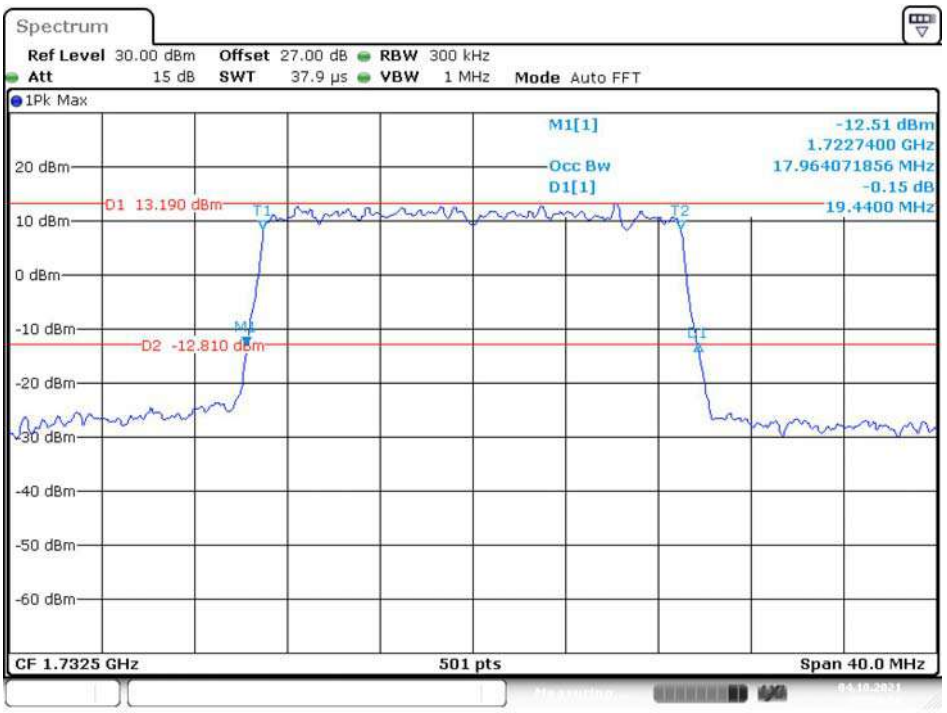
Date: 4.OCT.2021 09:07:46

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



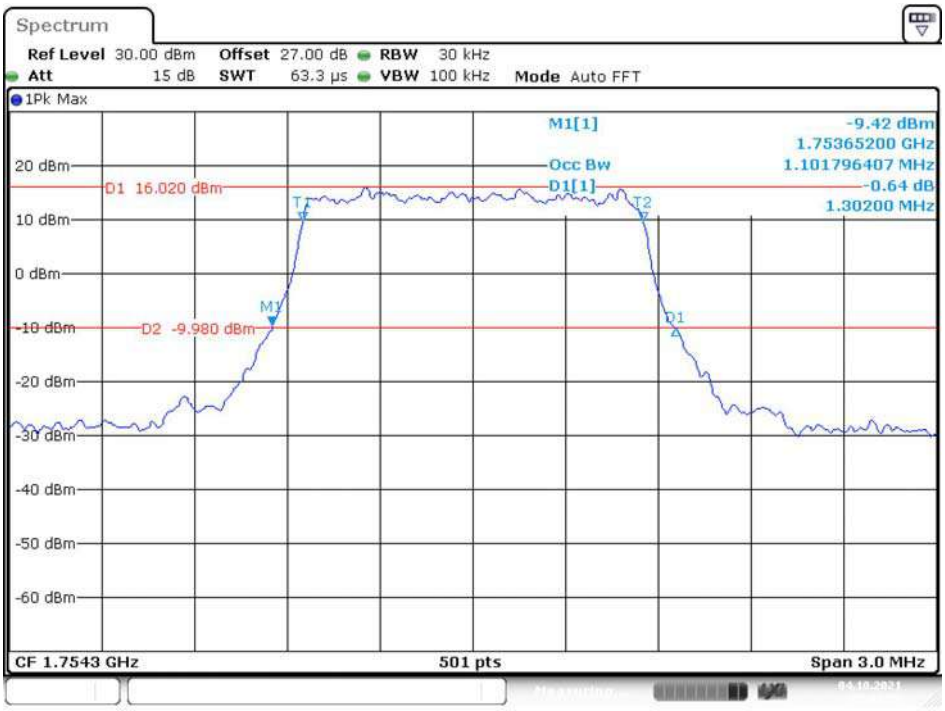
Date: 4.OCT.2021 09:10:56

16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



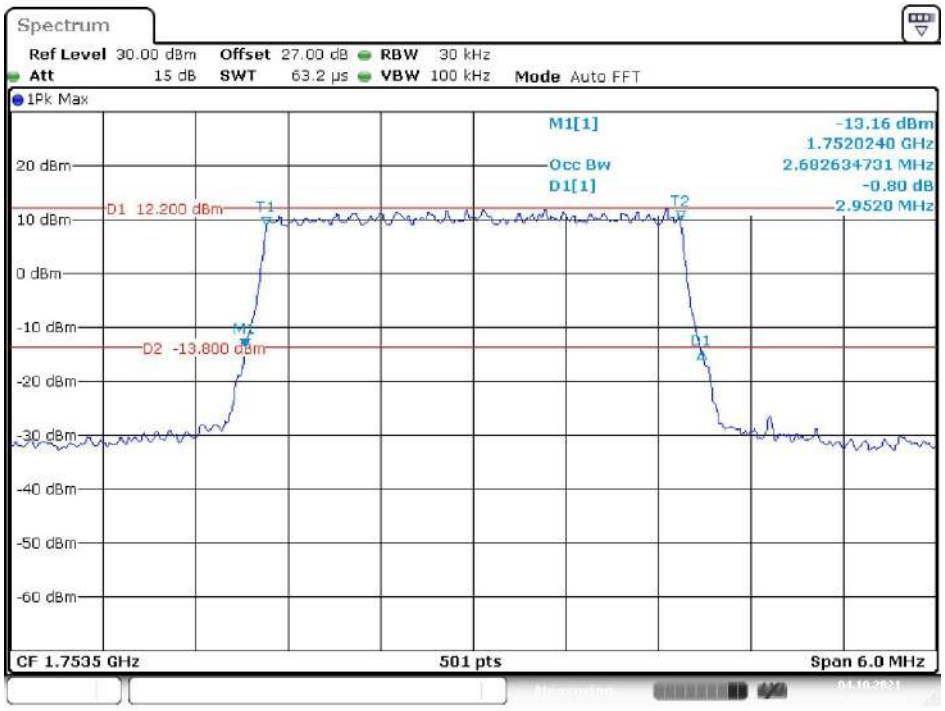
Date: 4.OCT.2021 09:14:18

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



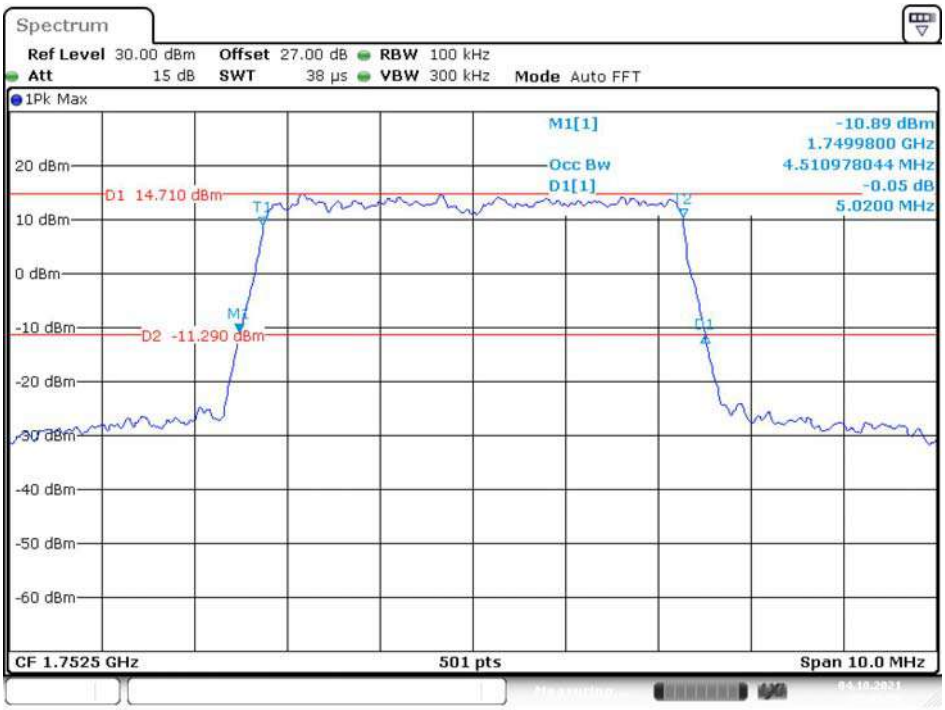
Date: 4.OCT.2021 09:01:27

QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



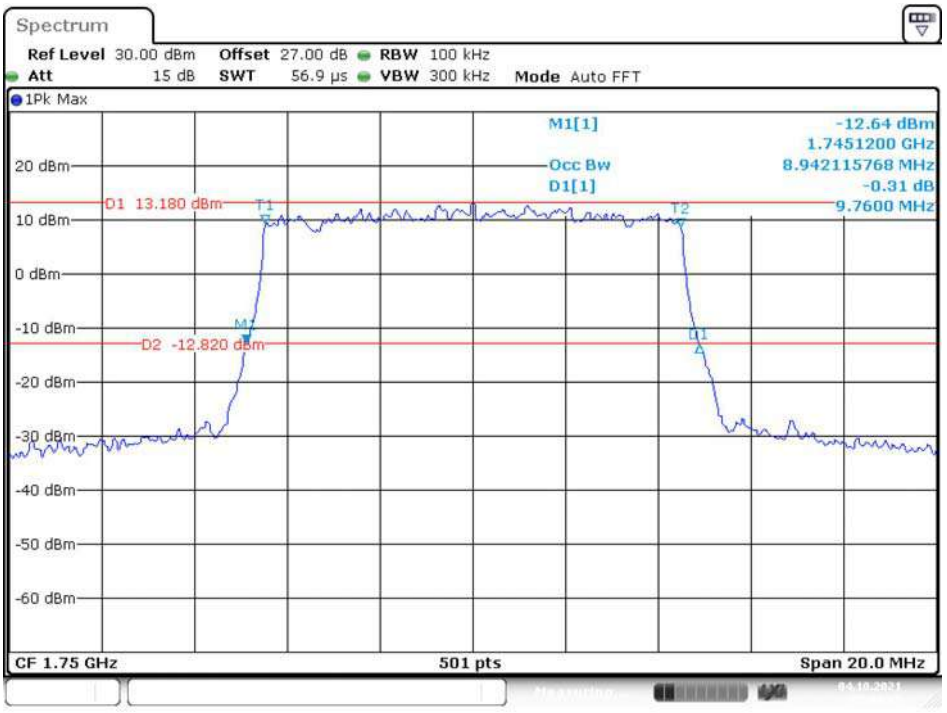
Date: 4.OCT.2021 09:03:16

QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



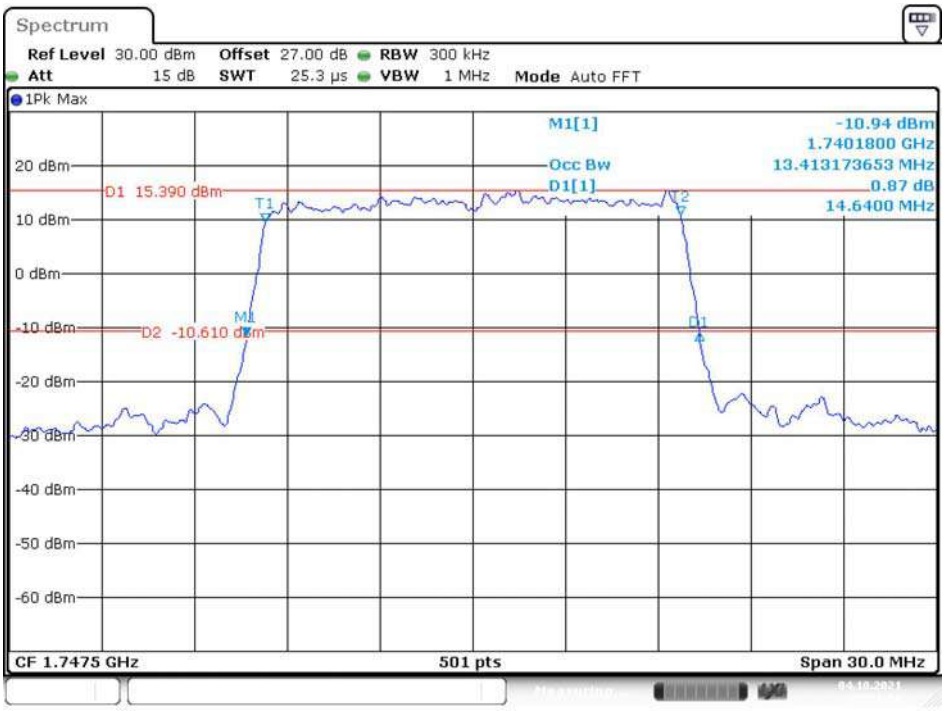
Date: 4.OCT.2021 09:05:31

QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



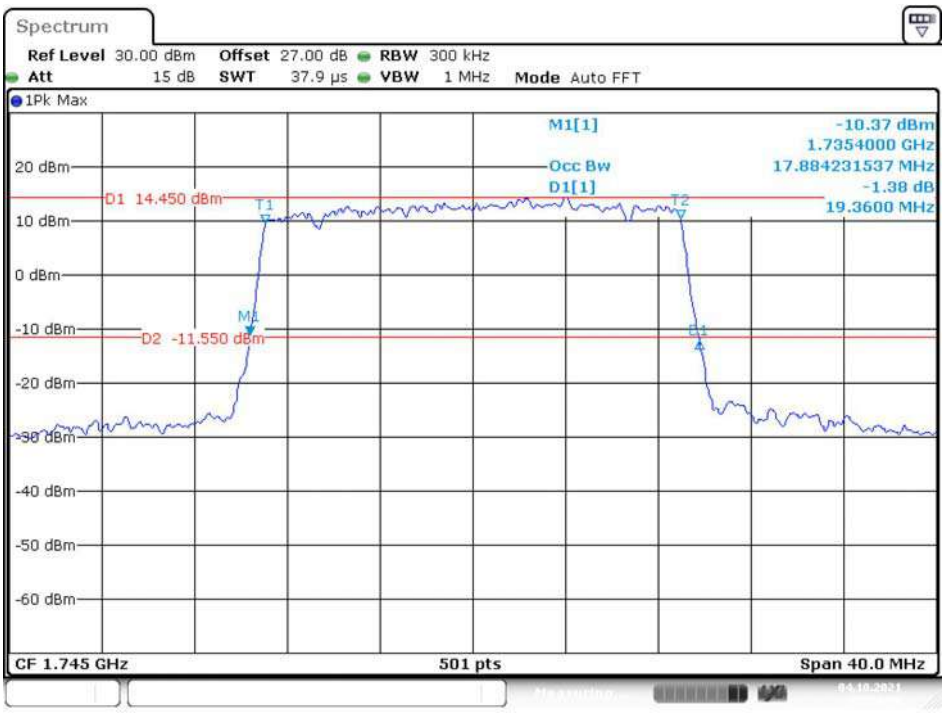
Date: 4.OCT.2021 09:08:15

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



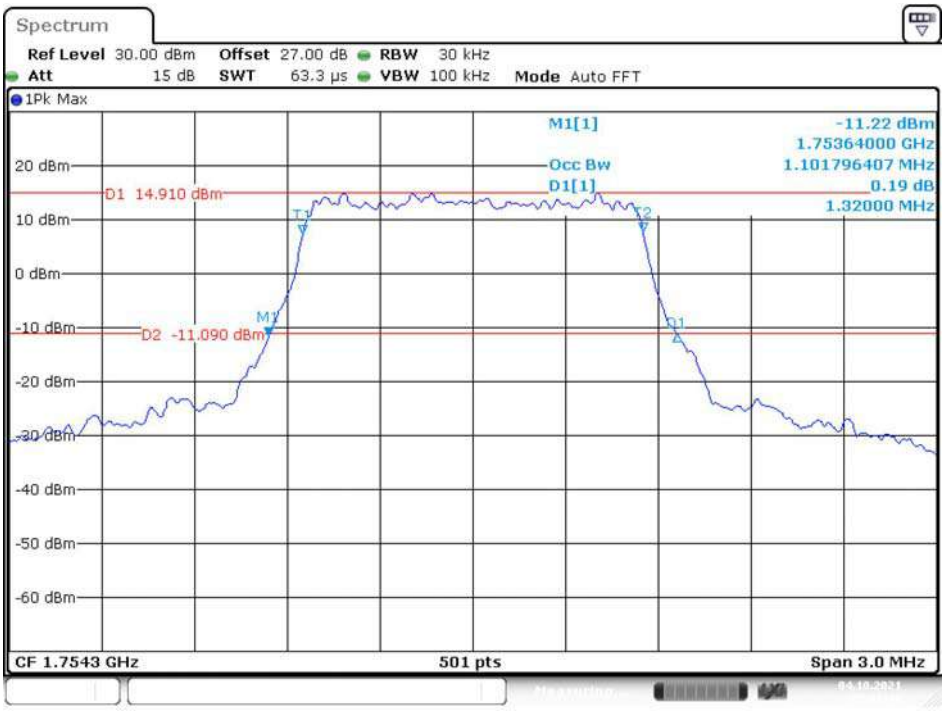
Date: 4.OCT.2021 09:11:21

QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



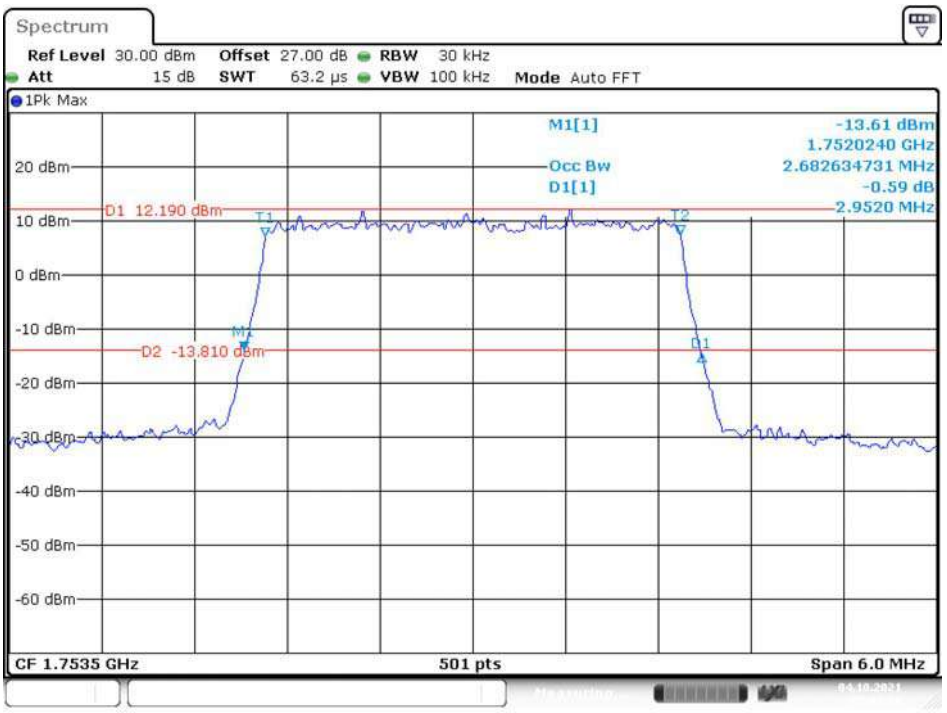
Date: 4.OCT.2021 09:14:49

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



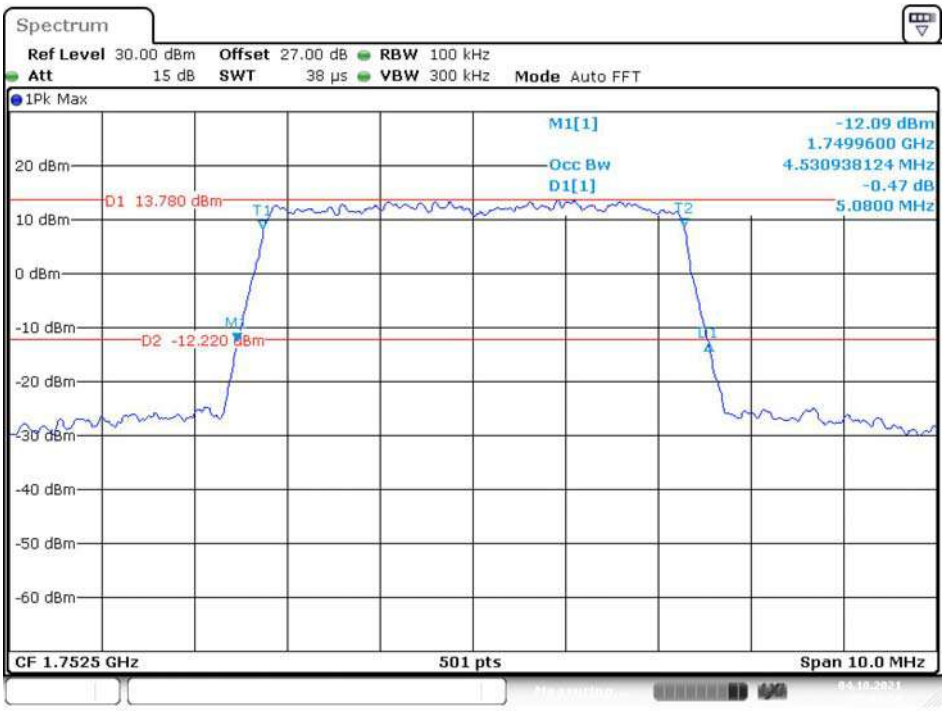
Date: 4.OCT.2021 09:01:41

16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



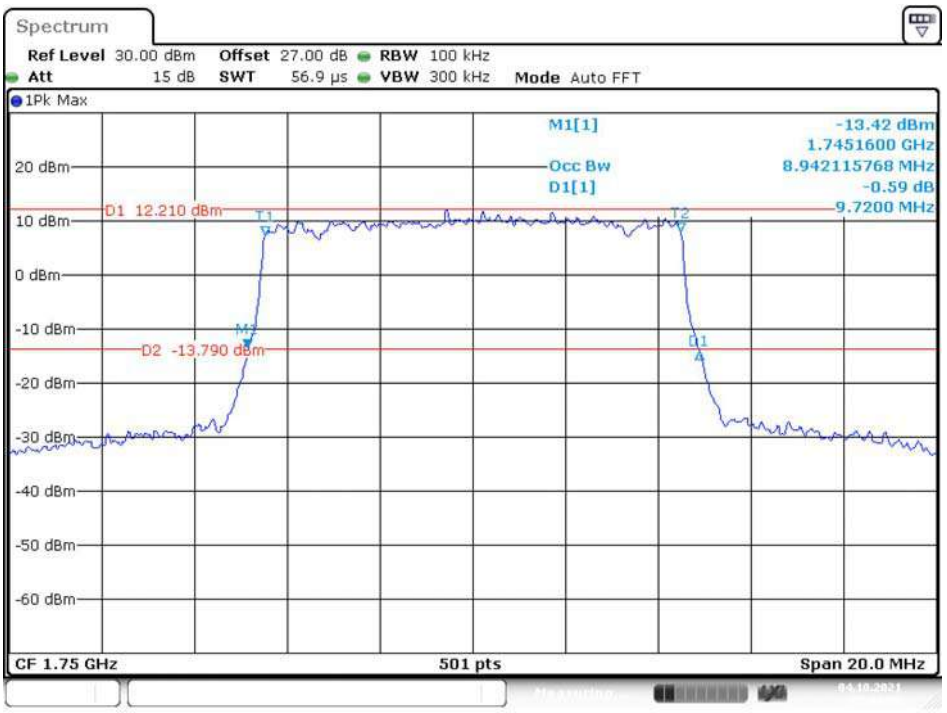
Date: 4.OCT.2021 09:03:31

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



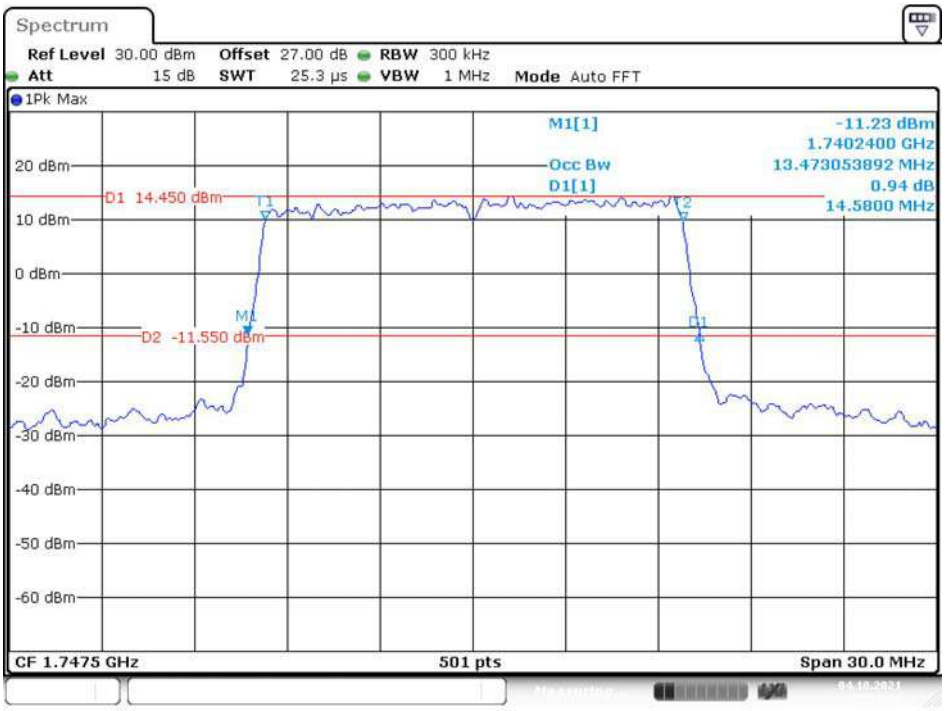
Date: 4.OCT.2021 09:05:54

16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



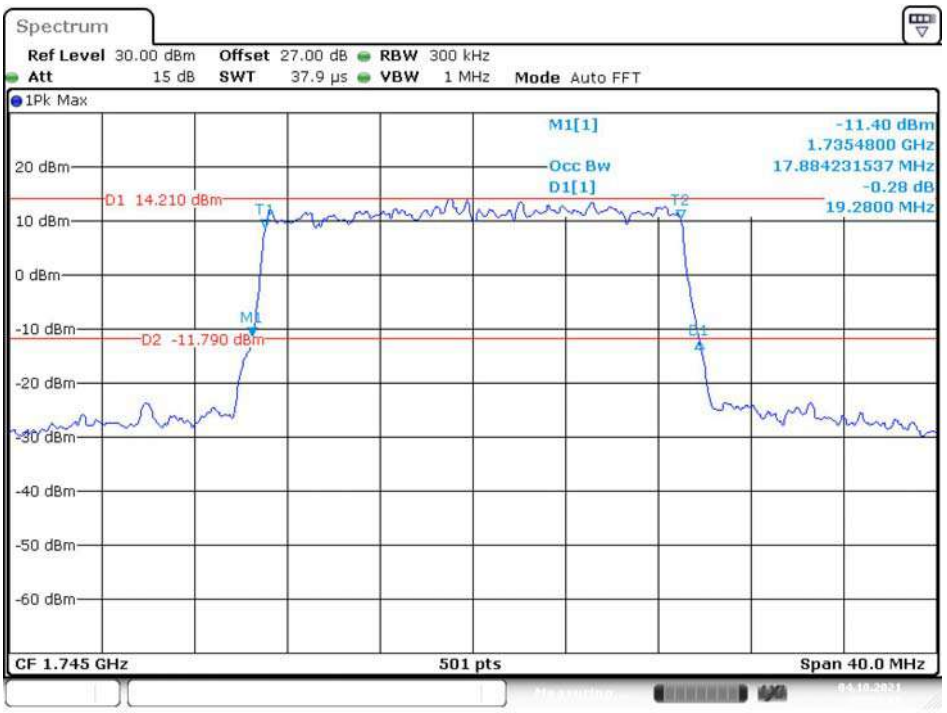
Date: 4.OCT.2021 09:08:42

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 09:11:54

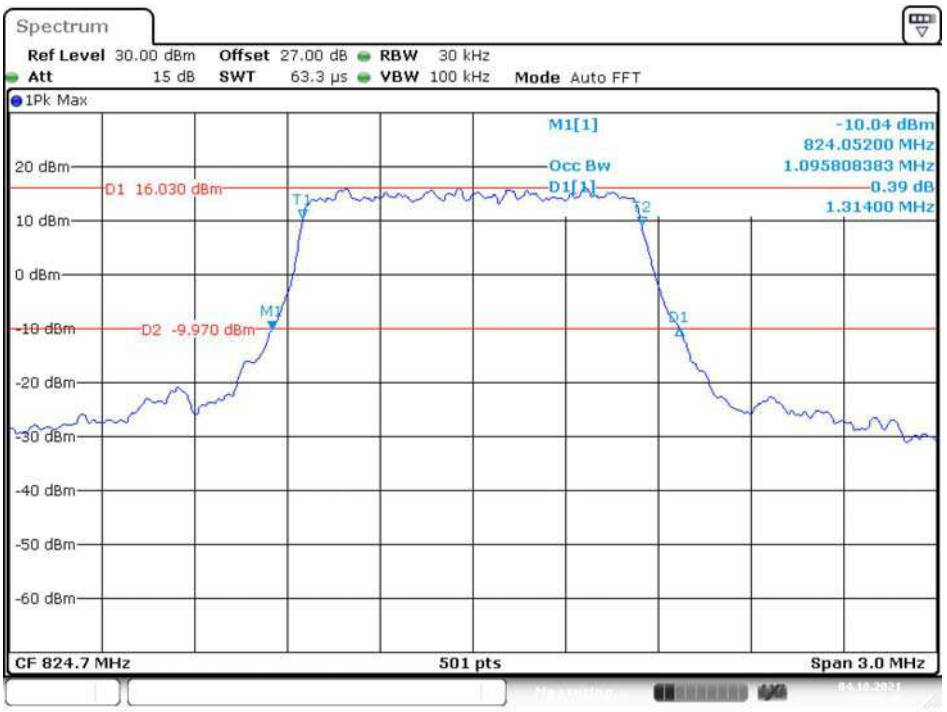
16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 09:15:19

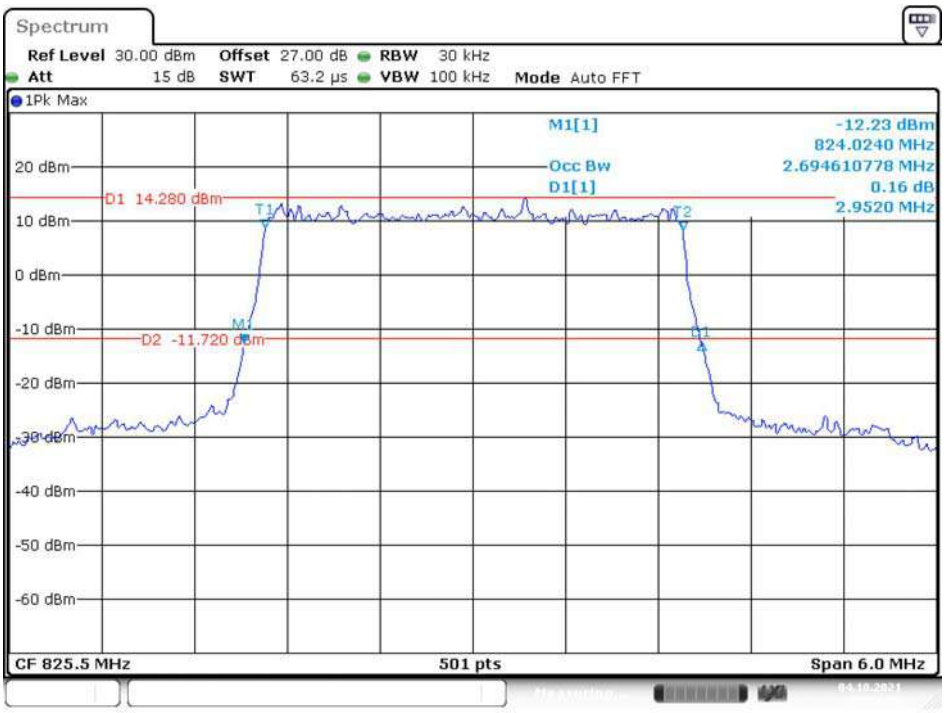
LTE Band 5

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



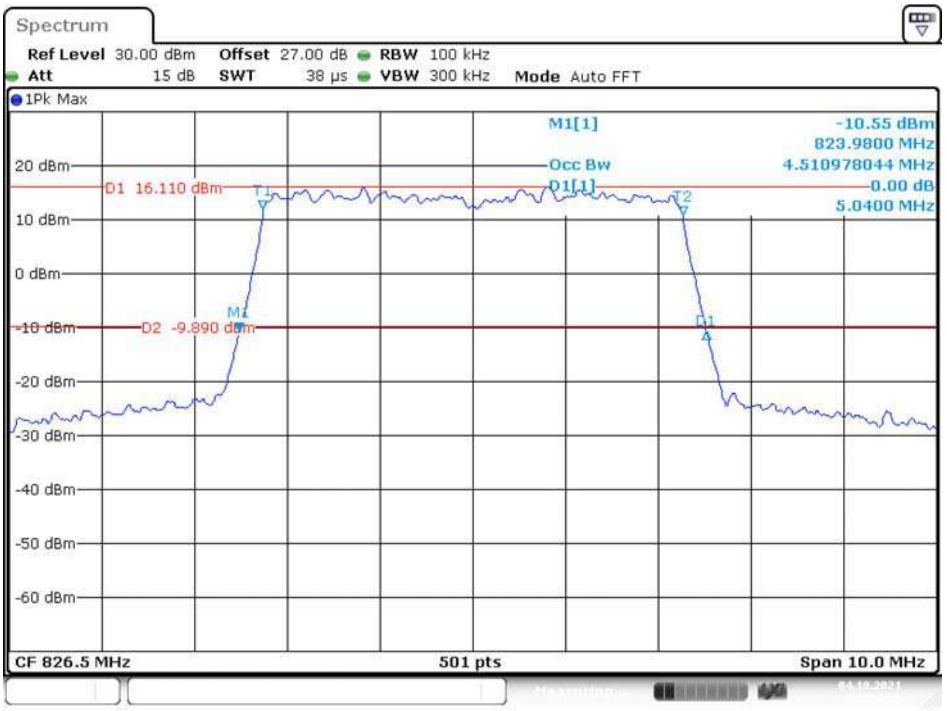
Date: 4.OCT.2021 09:15:46

QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



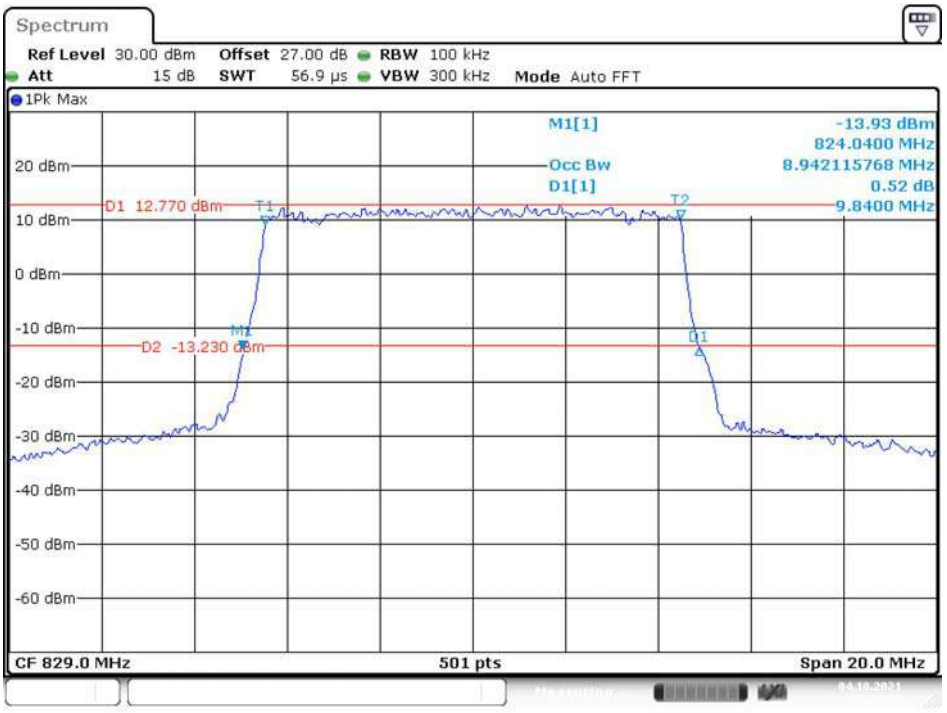
Date: 4.OCT.2021 09:17:28

QPSK (5.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



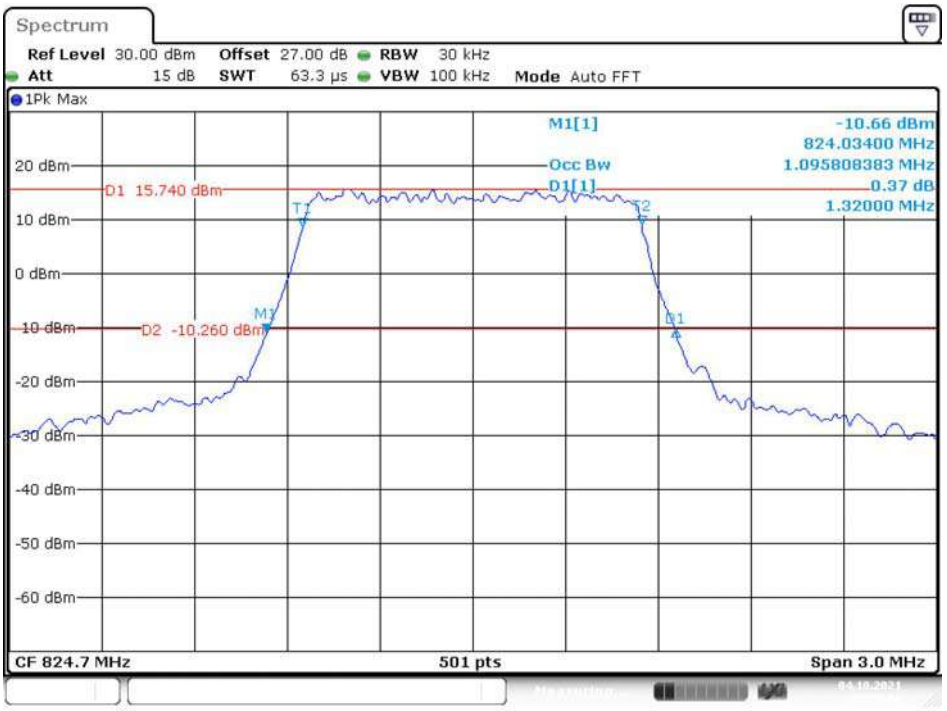
Date: 4.OCT.2021 09:19:26

QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



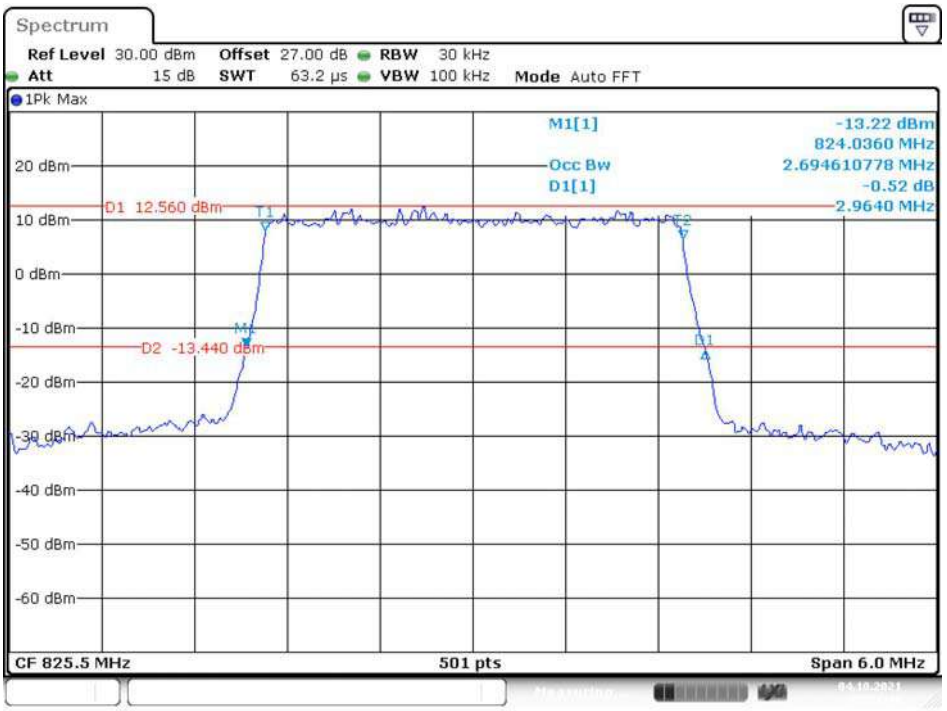
Date: 4.OCT.2021 09:22:05

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



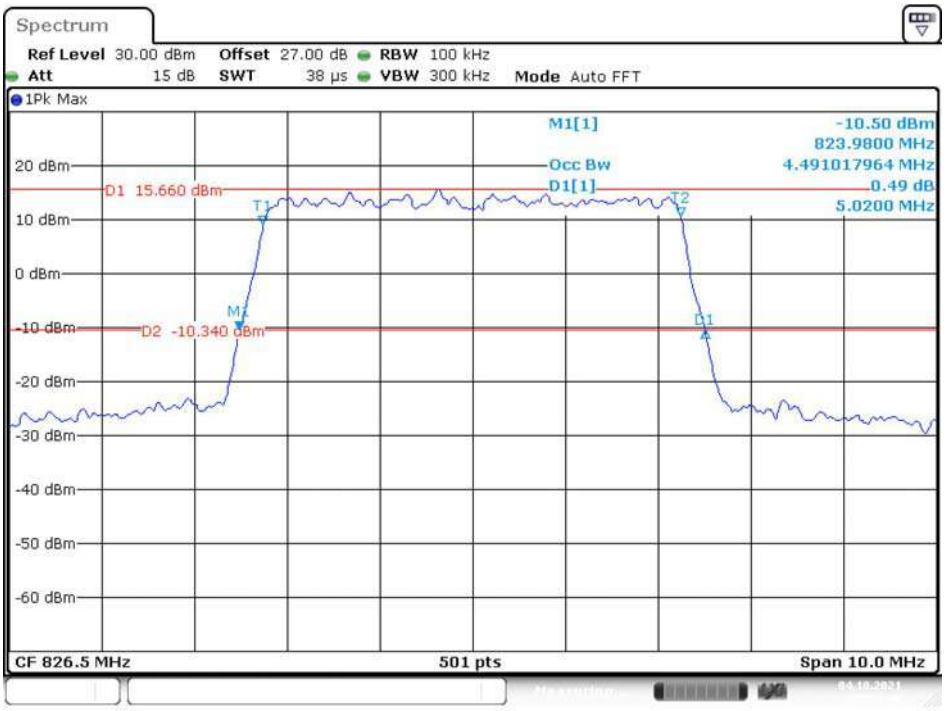
Date: 4.OCT.2021 09:16:00

16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



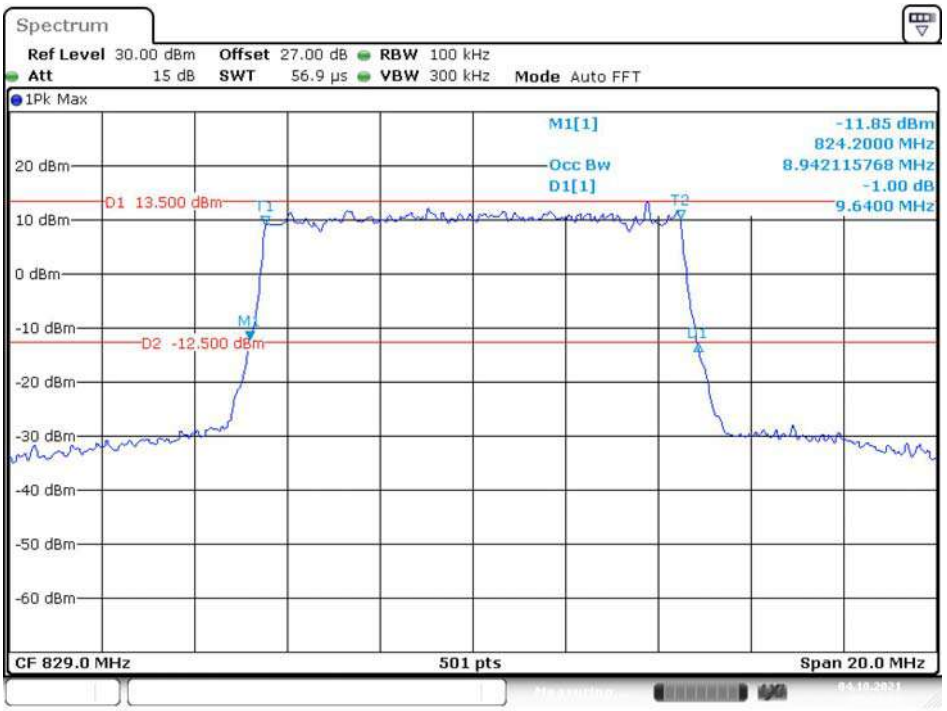
Date: 4.OCT.2021 09:17:42

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



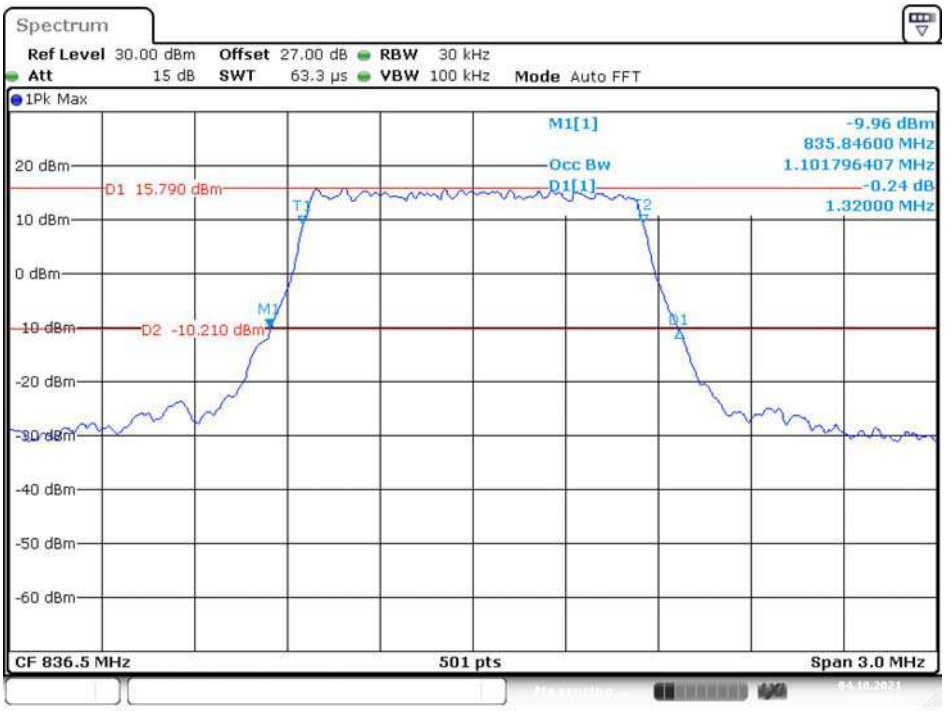
Date: 4.OCT.2021 09:19:49

16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



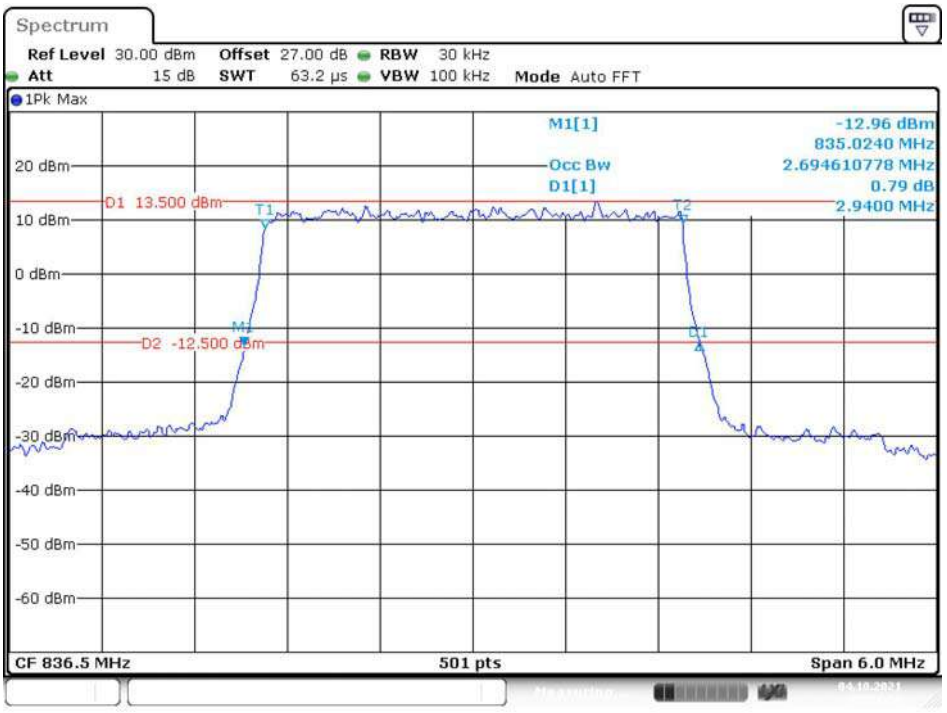
Date: 4.OCT.2021 09:22:33

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



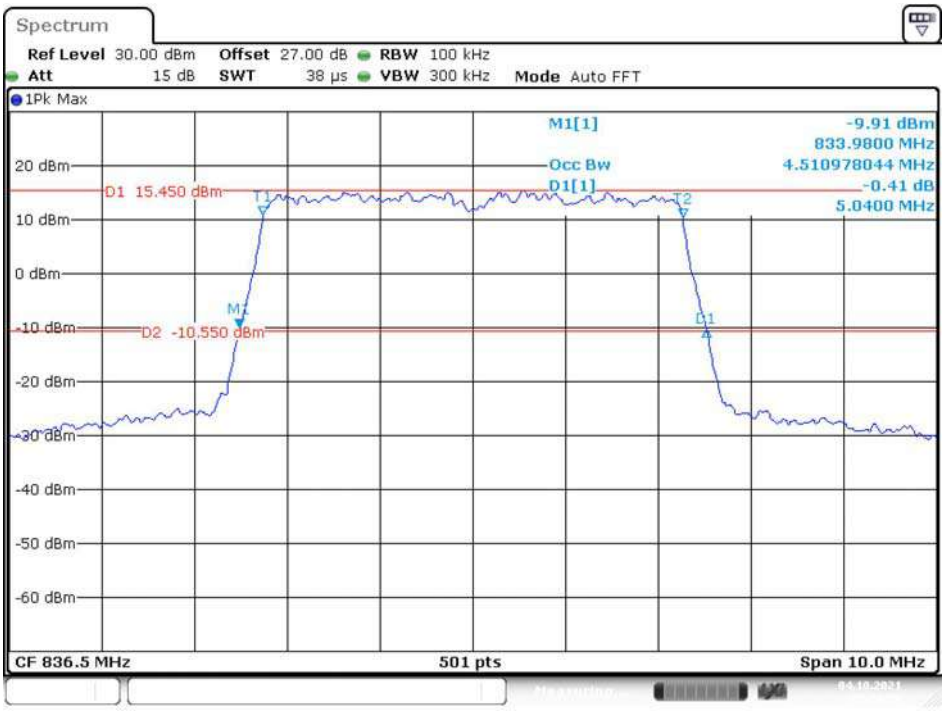
Date: 4.OCT.2021 09:16:18

QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



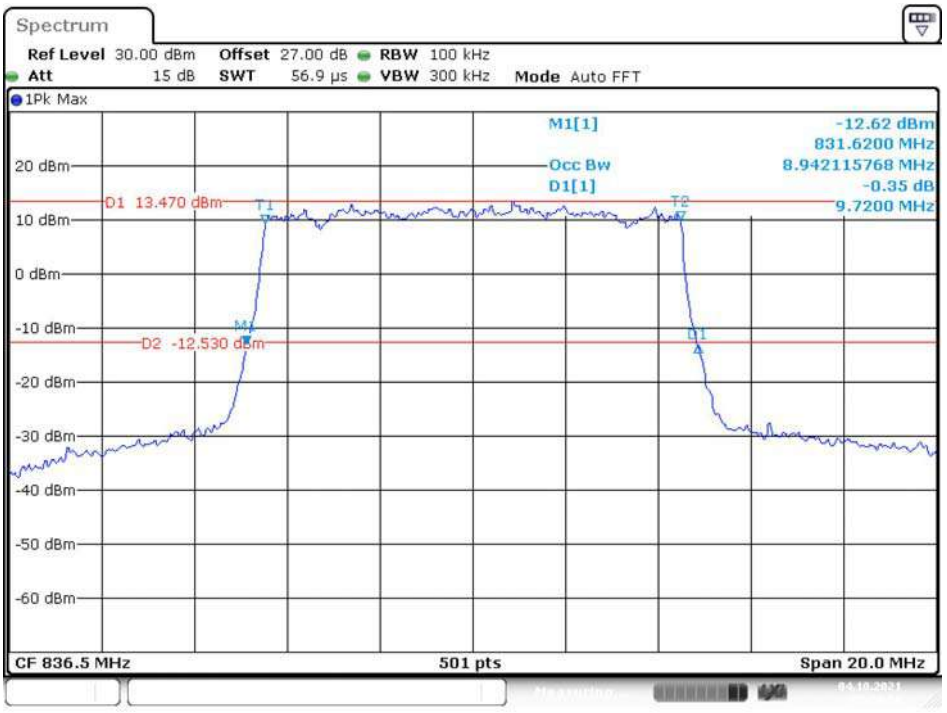
Date: 4.OCT.2021 09:17:57

QPSK (5.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



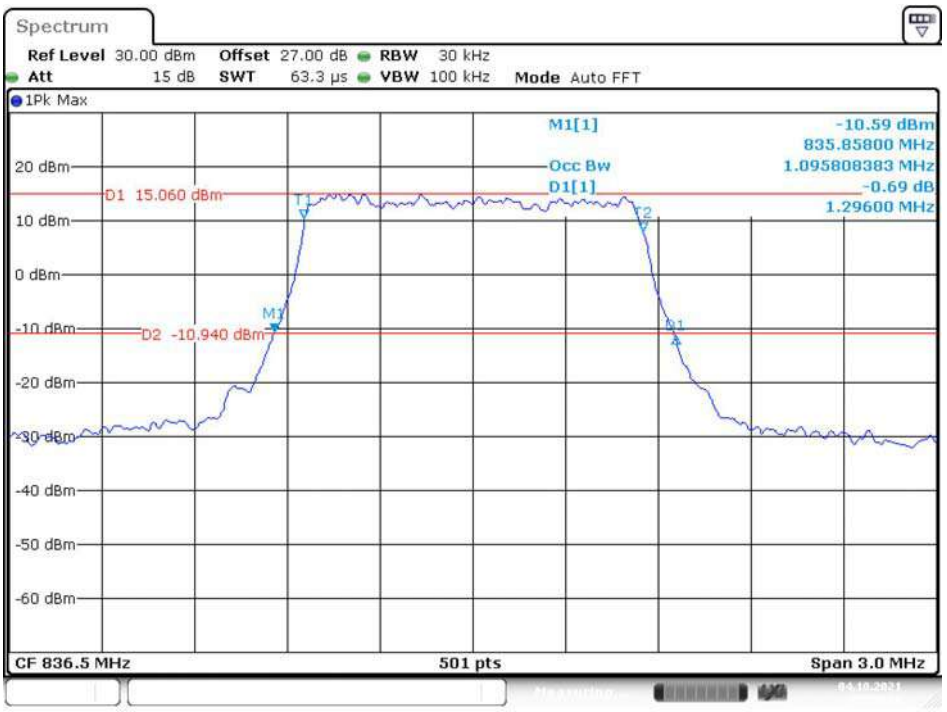
Date: 4.OCT.2021 09:20:16

QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



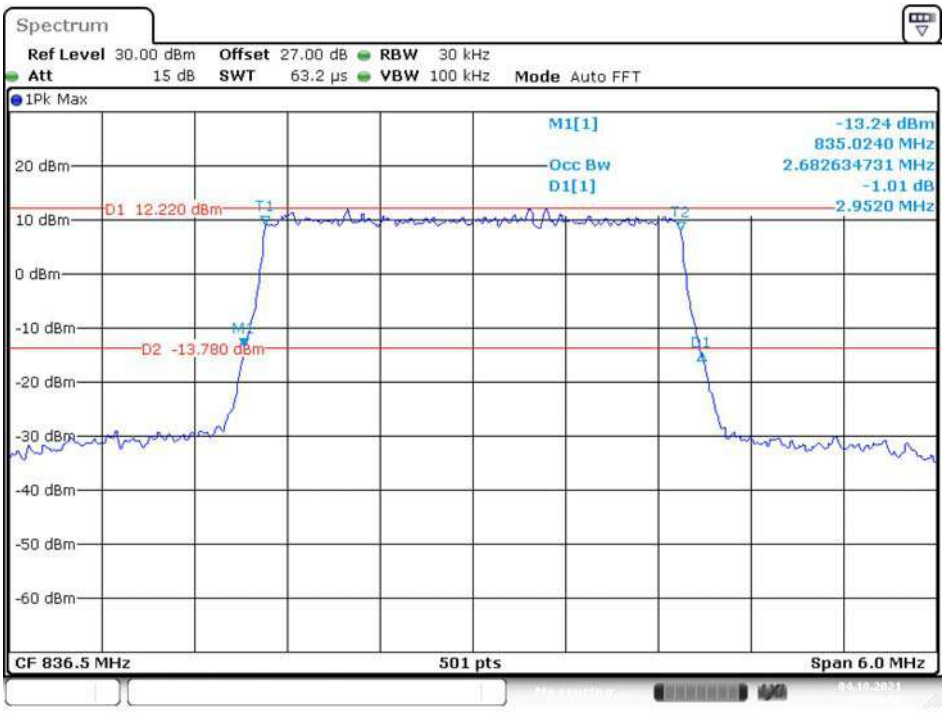
Date: 4.OCT.2021 09:23:01

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



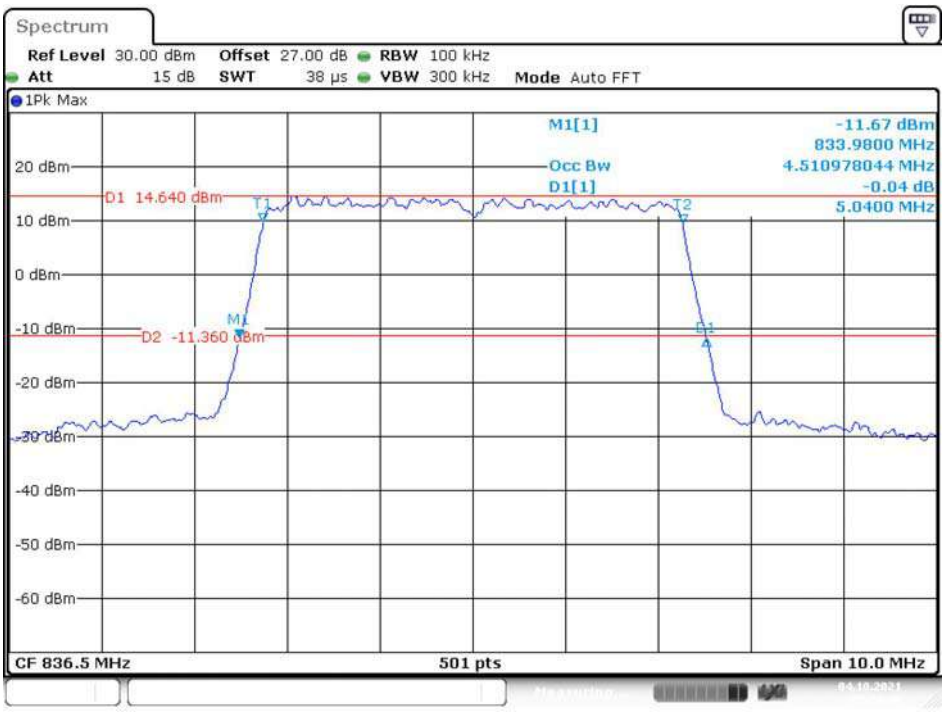
Date: 4.OCT.2021 09:16:32

16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



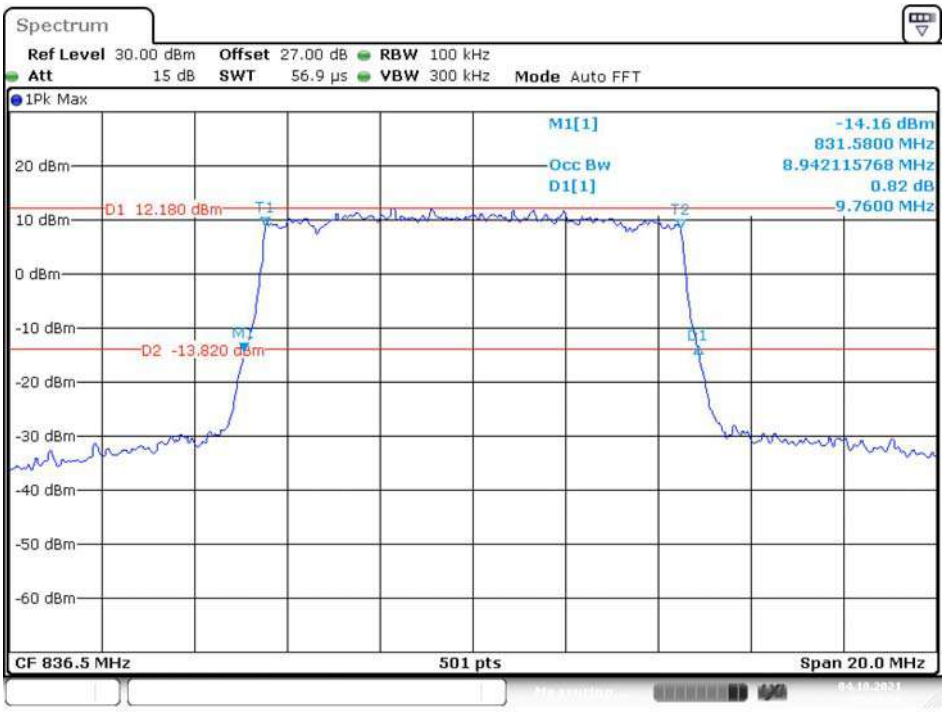
Date: 4.OCT.2021 09:18:14

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



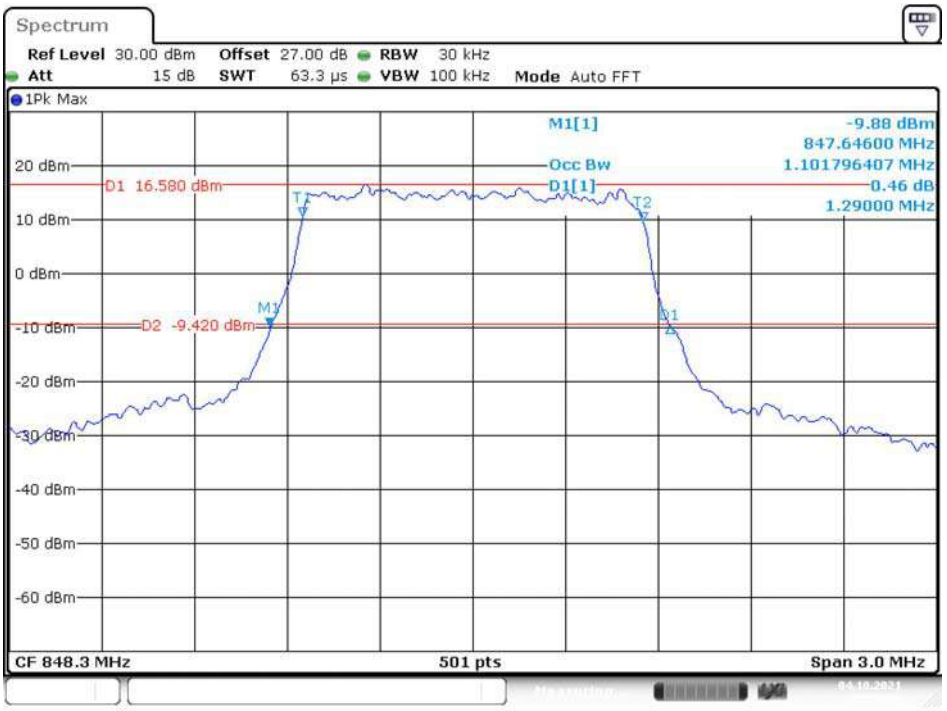
Date: 4.OCT.2021 09:20:40

16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



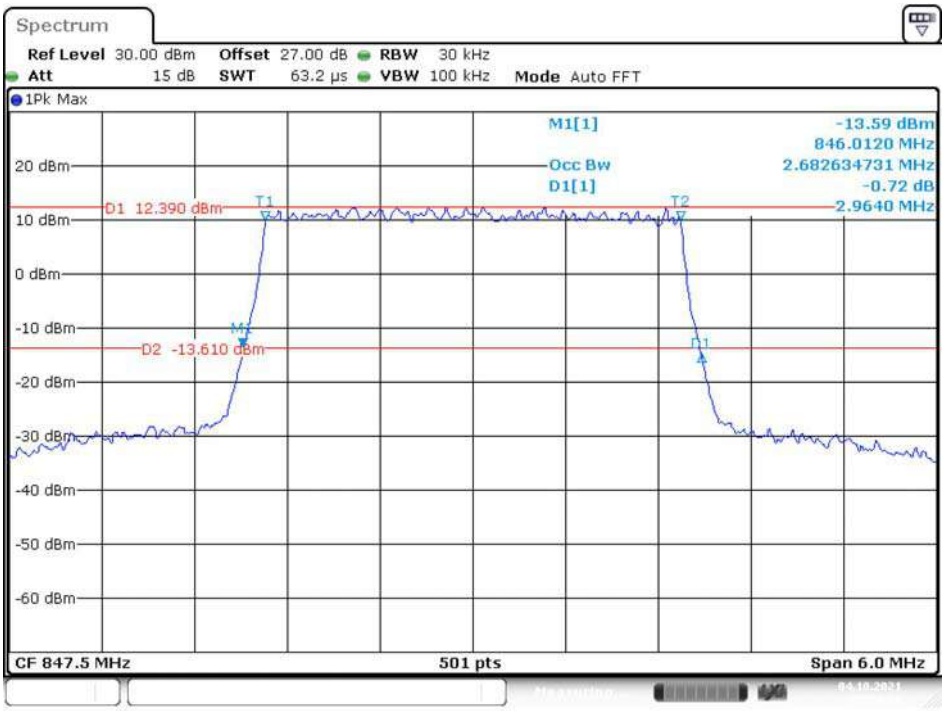
Date: 4.OCT.2021 09:23:29

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



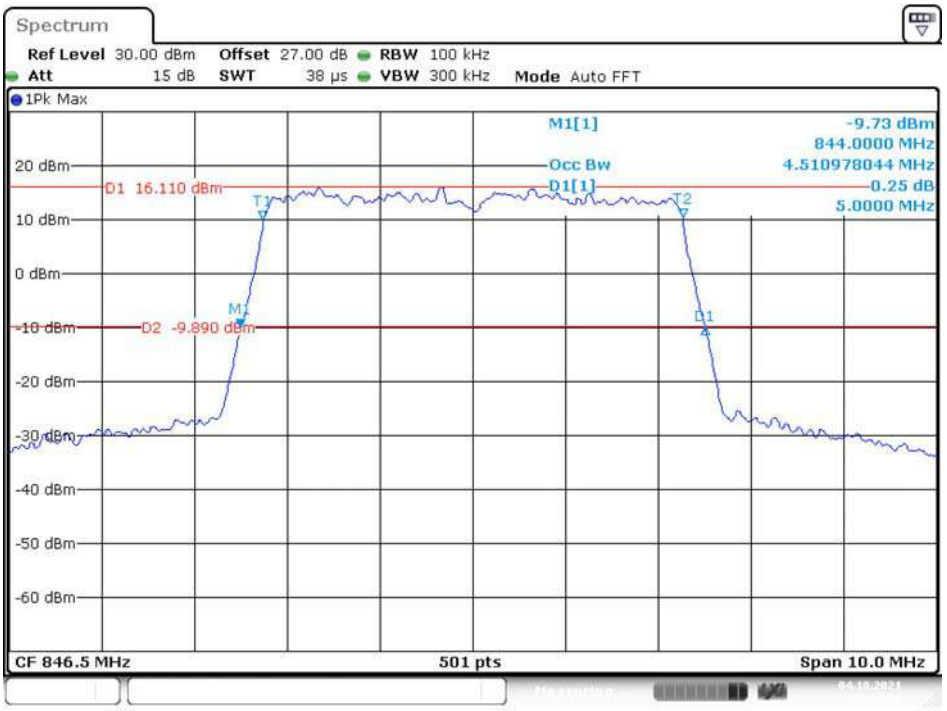
Date: 4.OCT.2021 09:16:47

QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



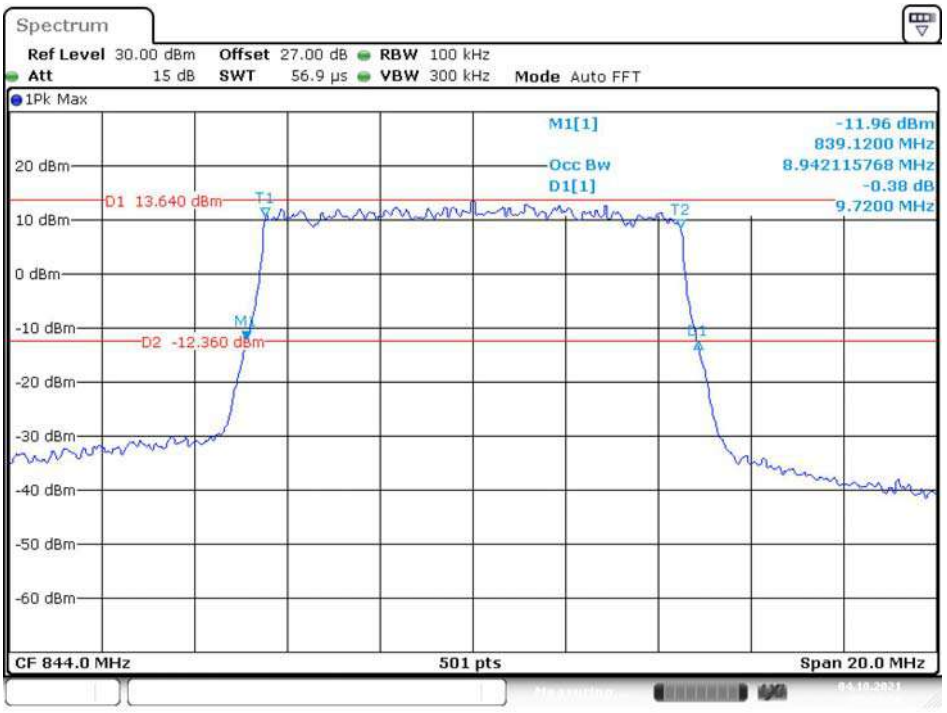
Date: 4.OCT.2021 09:18:32

QPSK (5.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



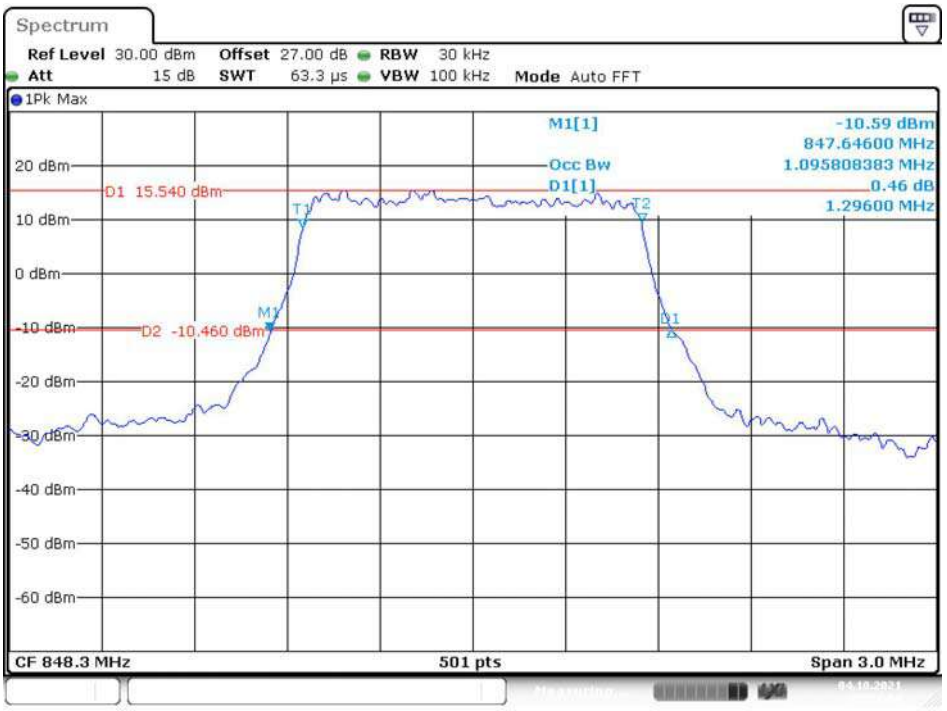
Date: 4.OCT.2021 09:21:04

QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



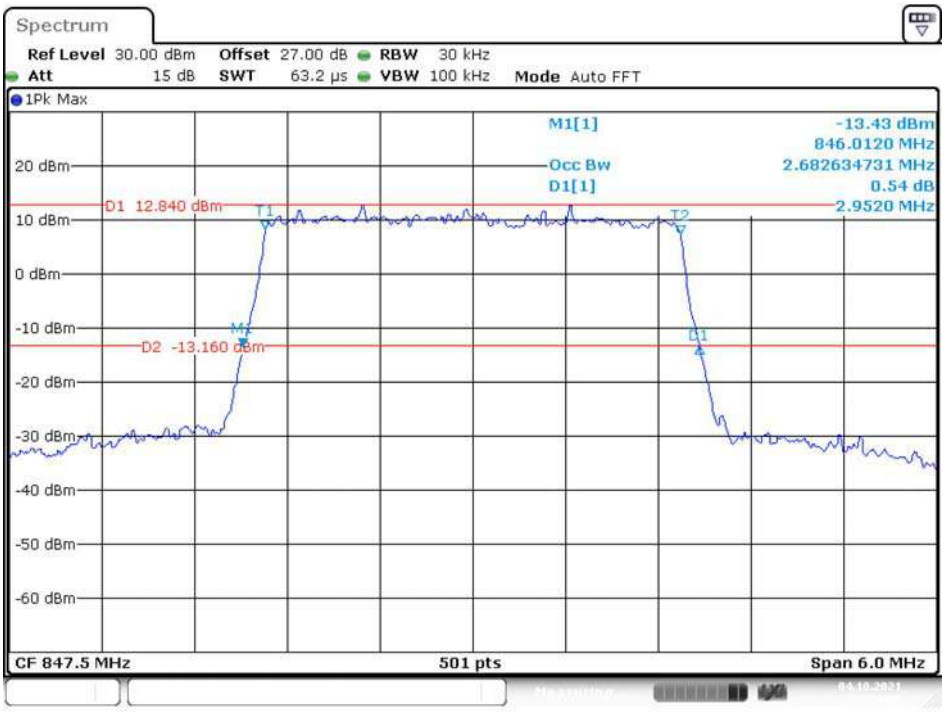
Date: 4.OCT.2021 09:23:58

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



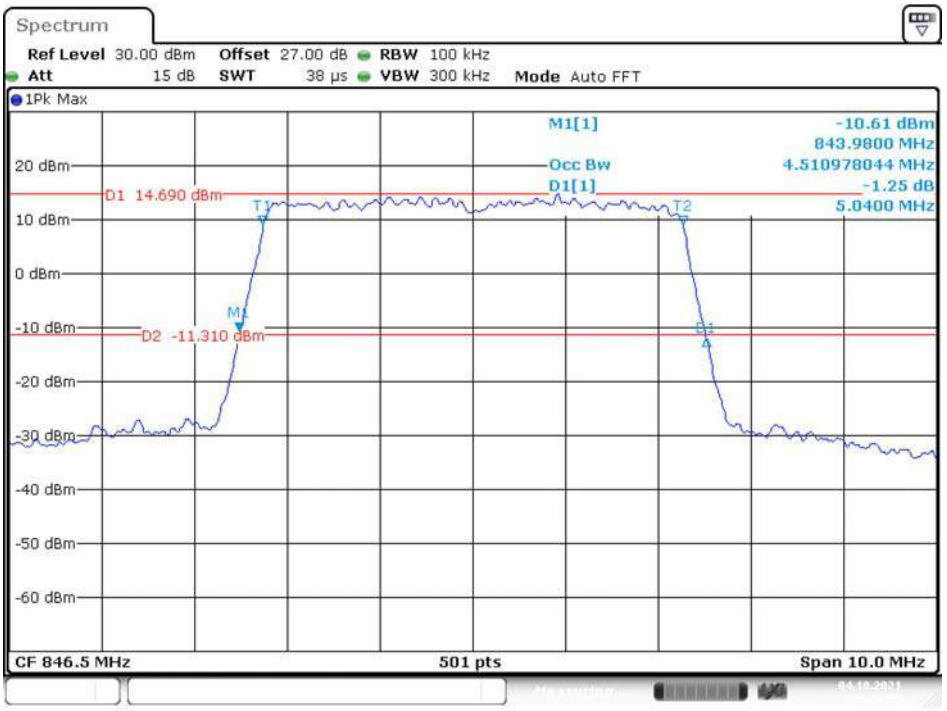
Date: 4.OCT.2021 09:17:04

16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



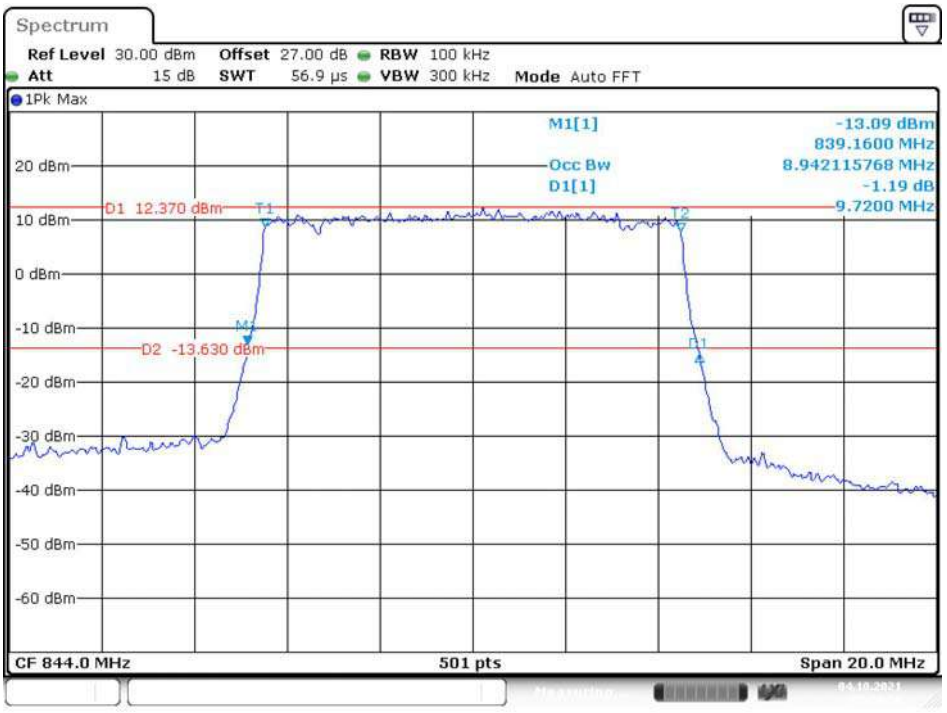
Date: 4.OCT.2021 09:18:50

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 09:21:25

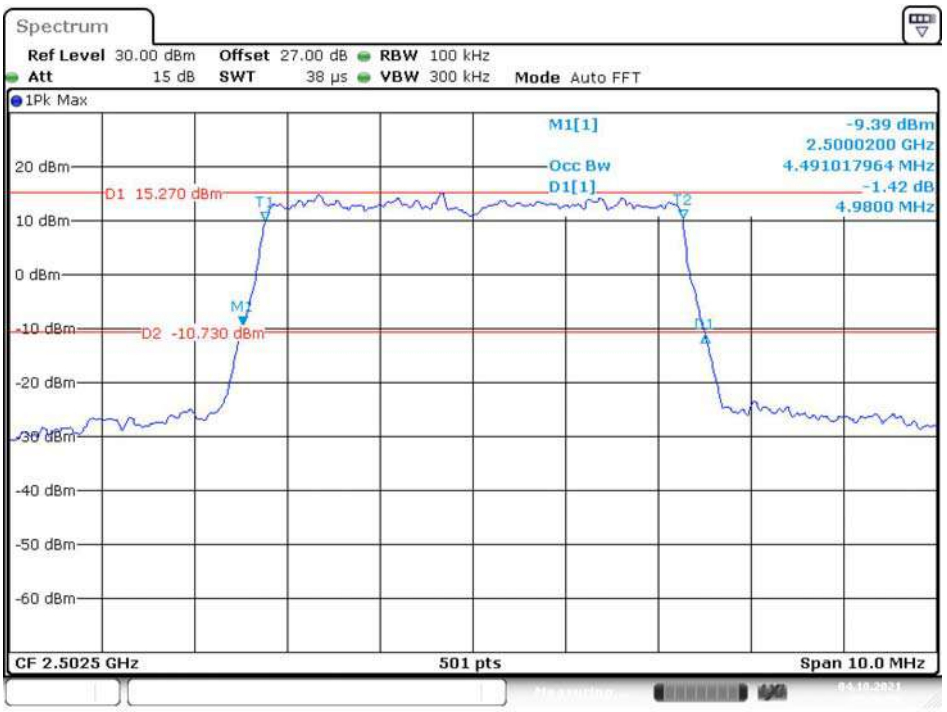
16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 09:24:29

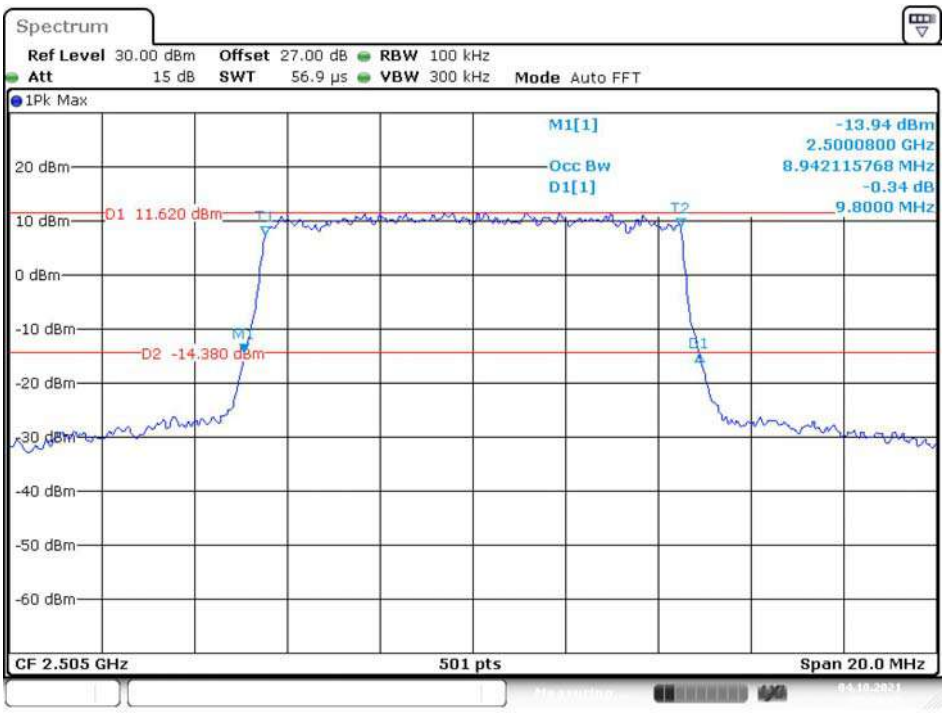
LTE Band 7

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



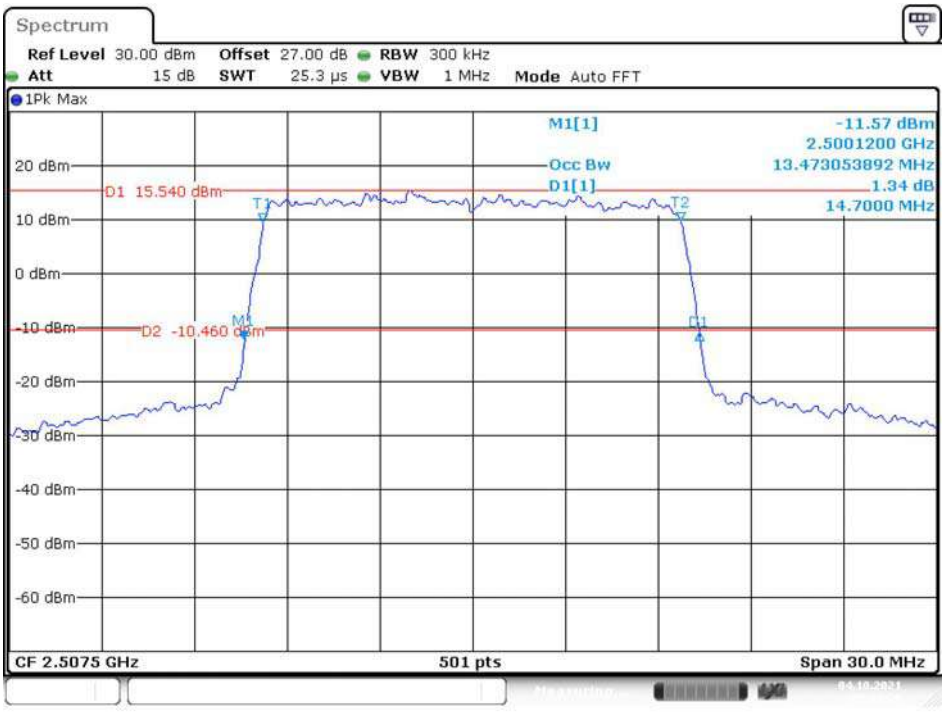
Date: 4.OCT.2021 09:26:38

QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



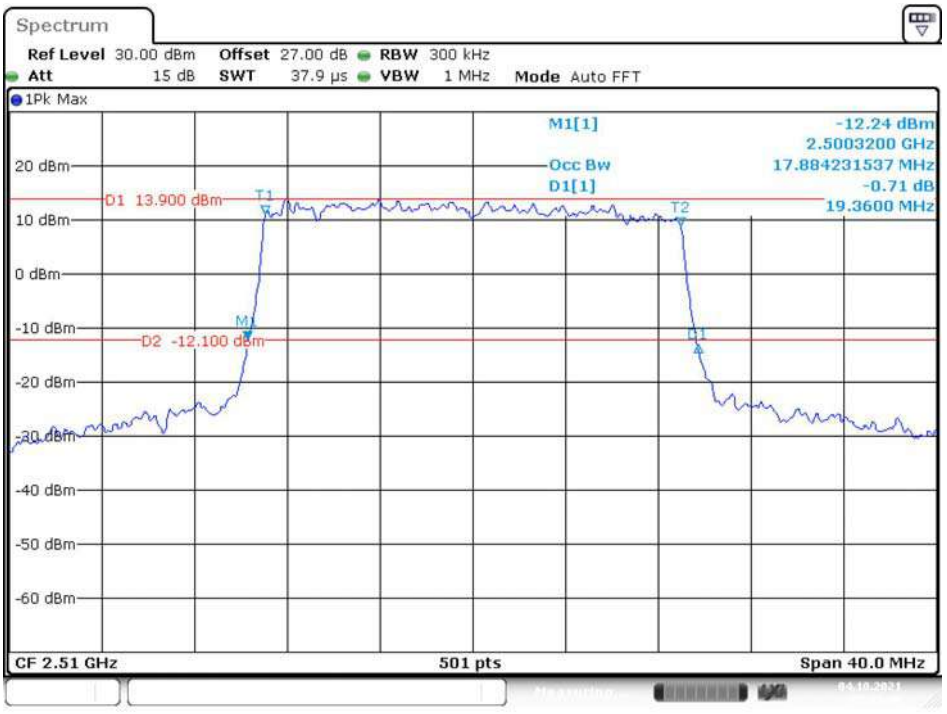
Date: 4.OCT.2021 09:29:16

QPSK (15.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



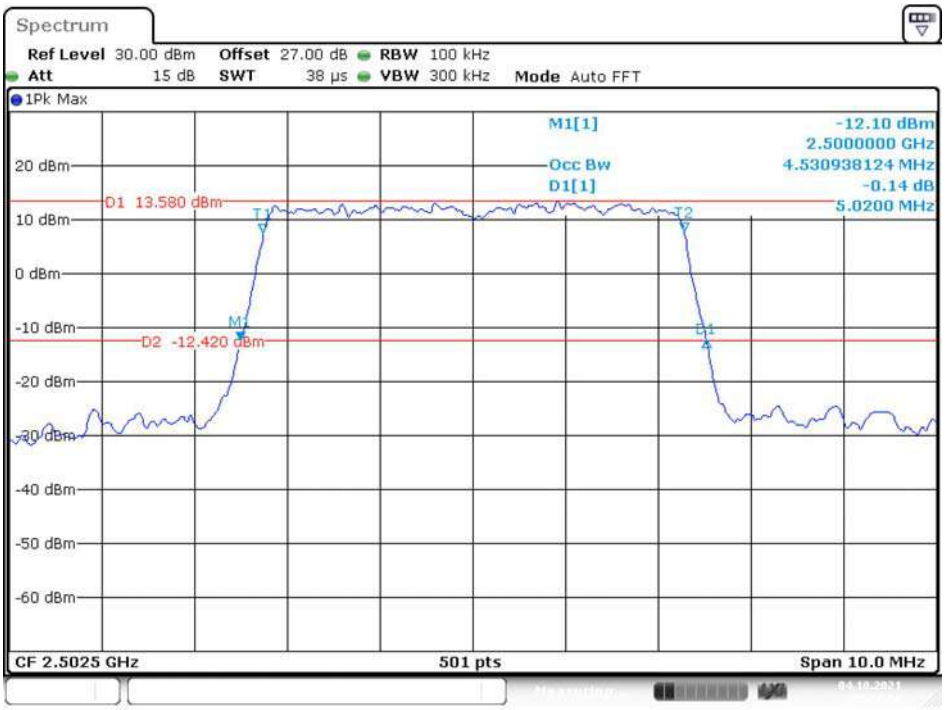
Date: 4.OCT.2021 09:32:29

QPSK (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



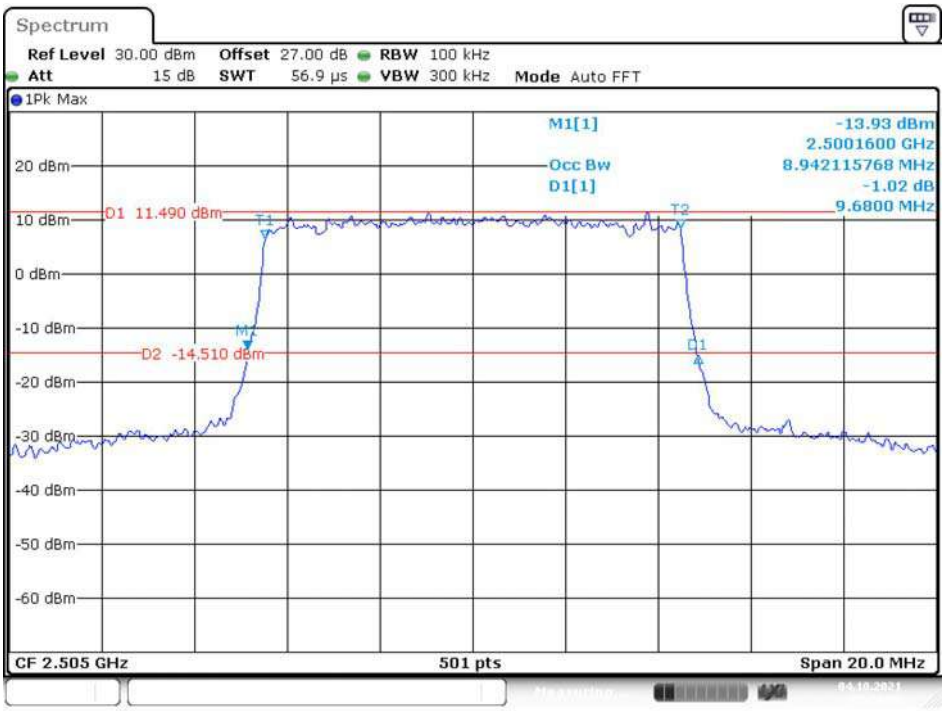
Date: 4.OCT.2021 09:35:41

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



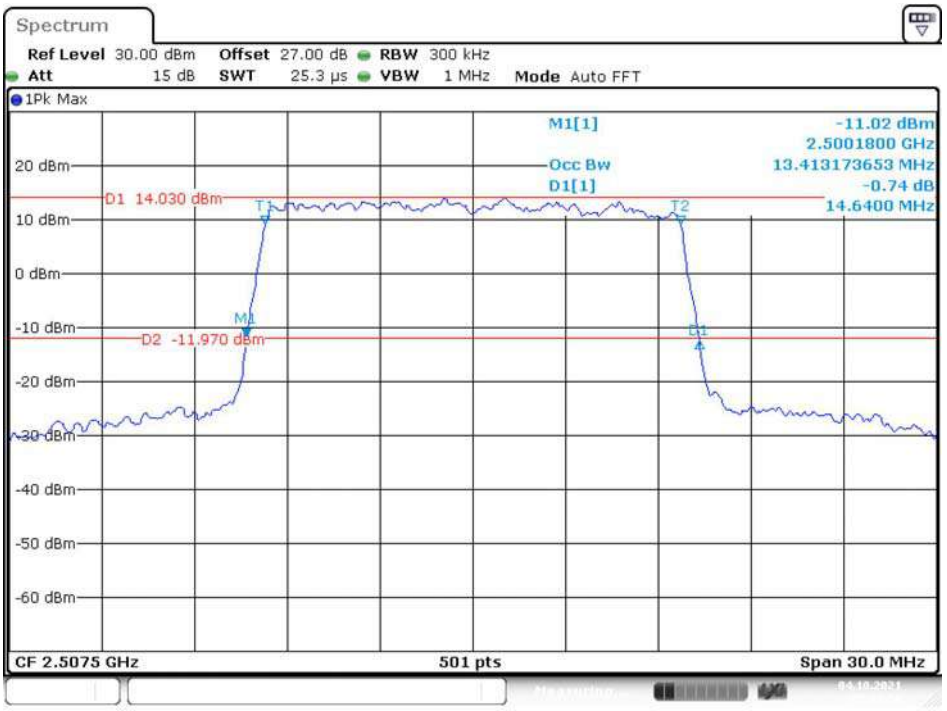
Date: 4.OCT.2021 09:27:02

16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



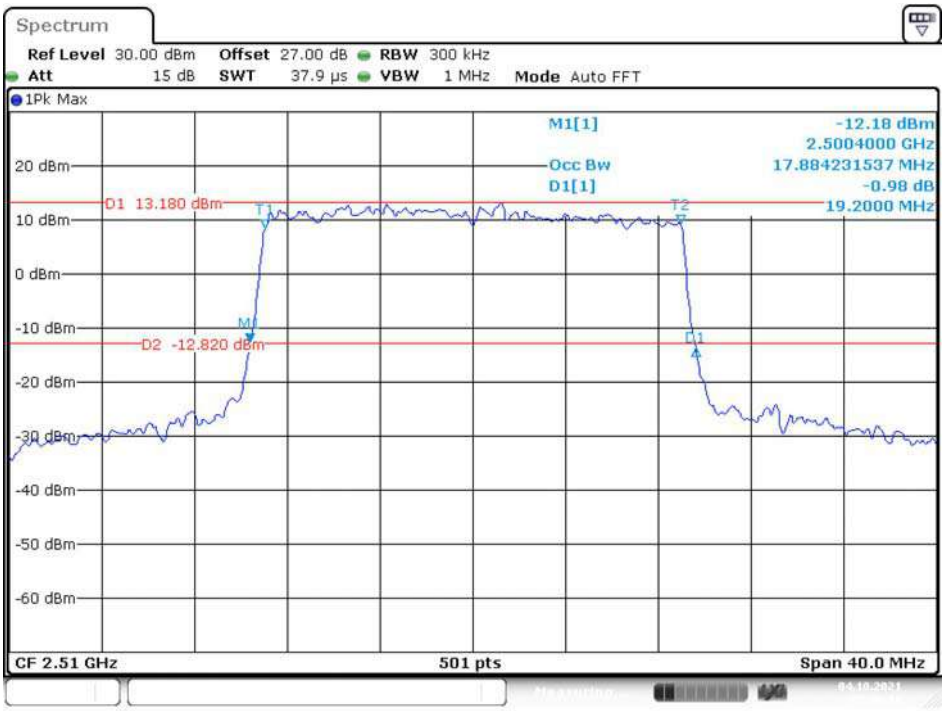
Date: 4.OCT.2021 09:29:43

16-QAM (15.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



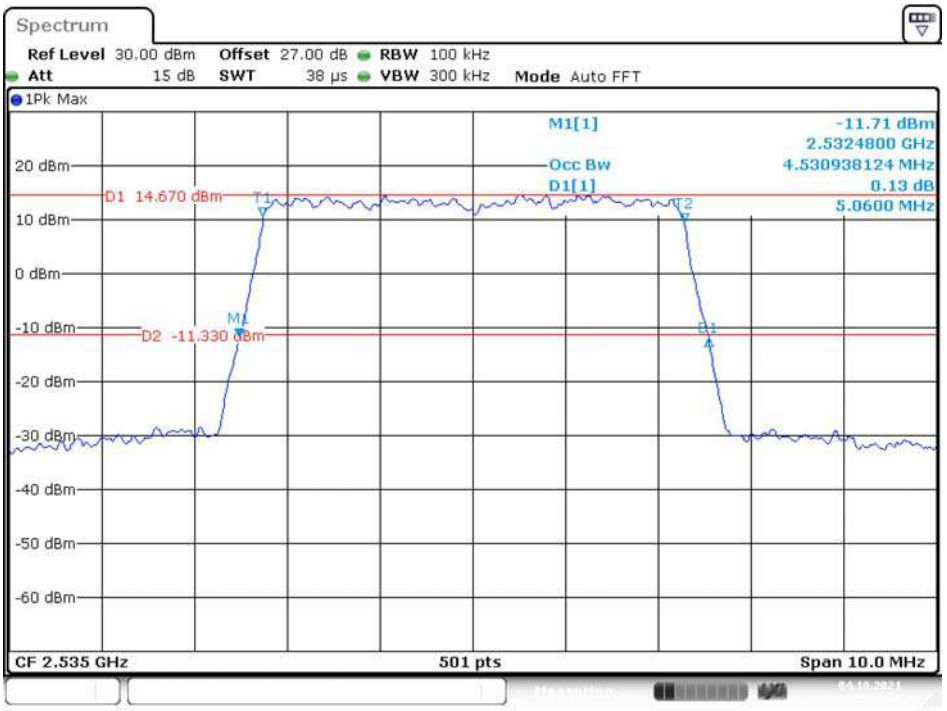
Date: 4.OCT.2021 09:32:59

16-QAM (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



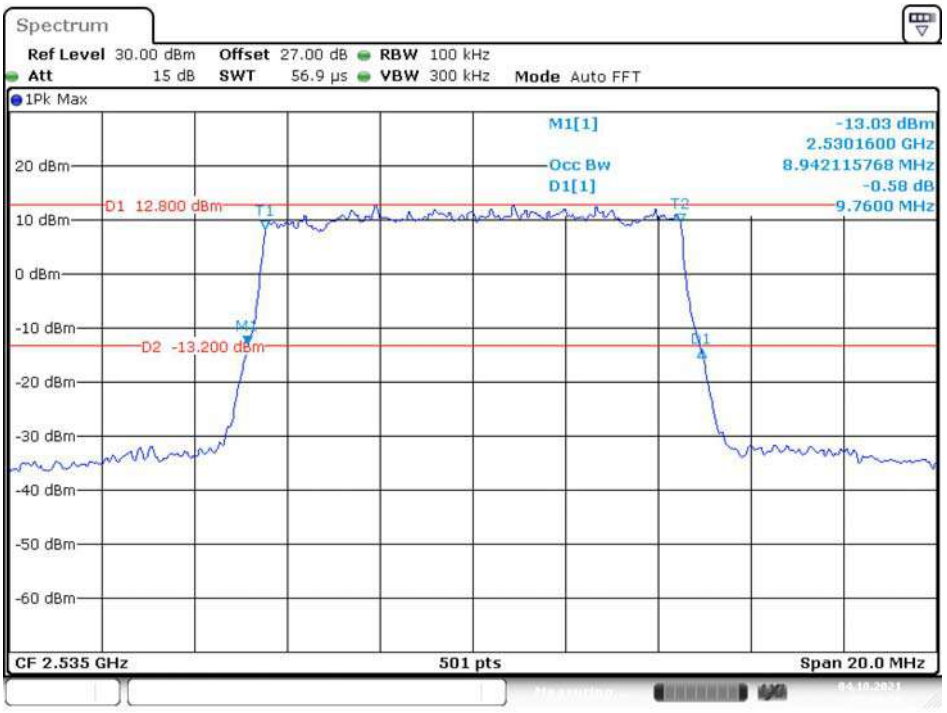
Date: 4.OCT.2021 09:36:11

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



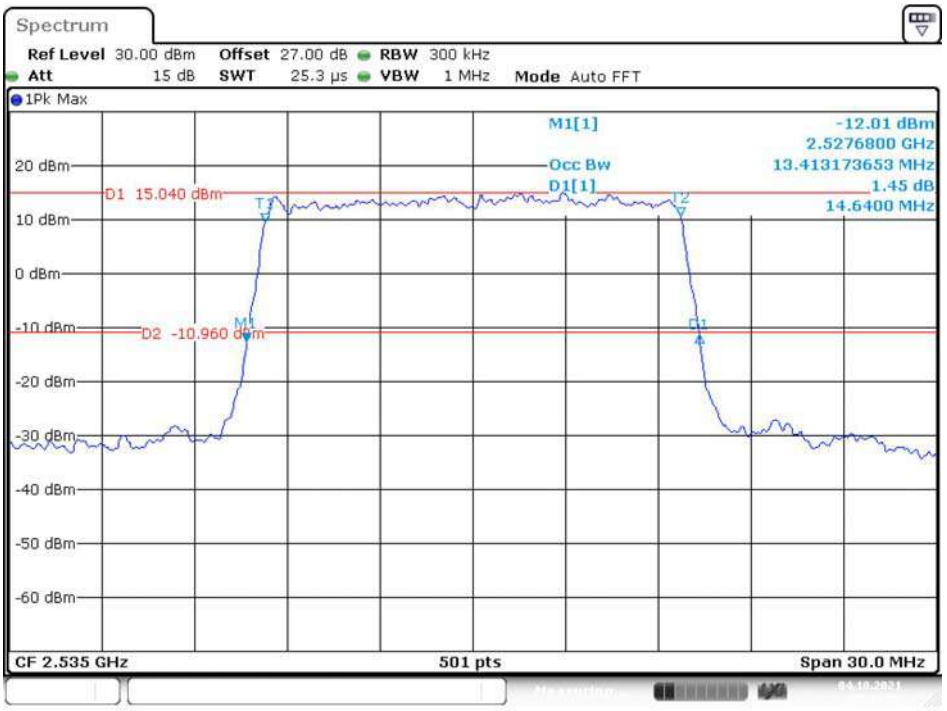
Date: 4.OCT.2021 09:27:29

QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



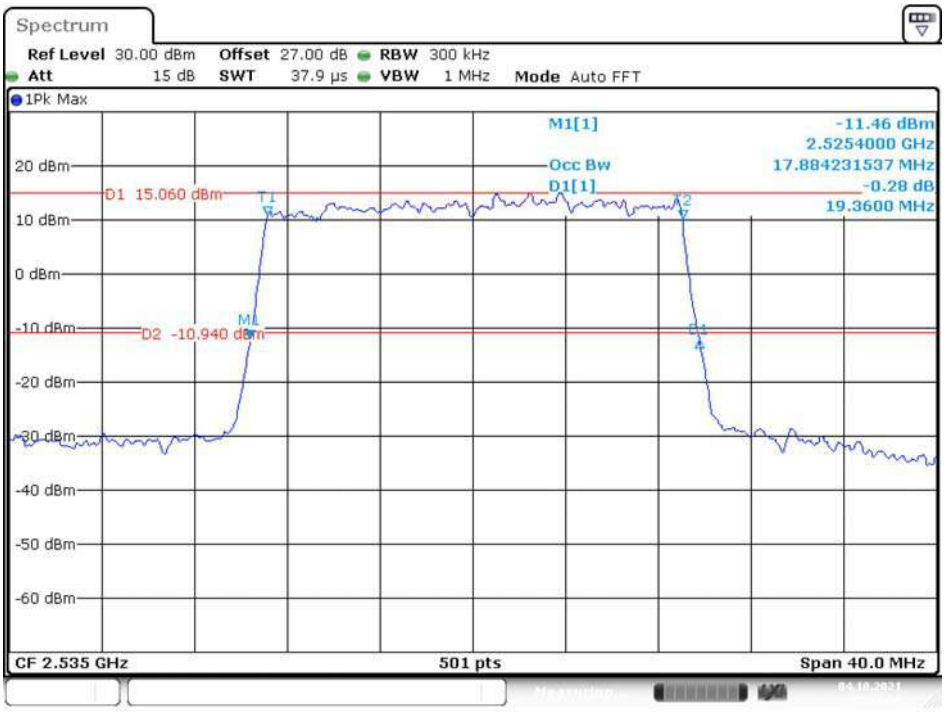
Date: 4.OCT.2021 09:30:18

QPSK (15.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



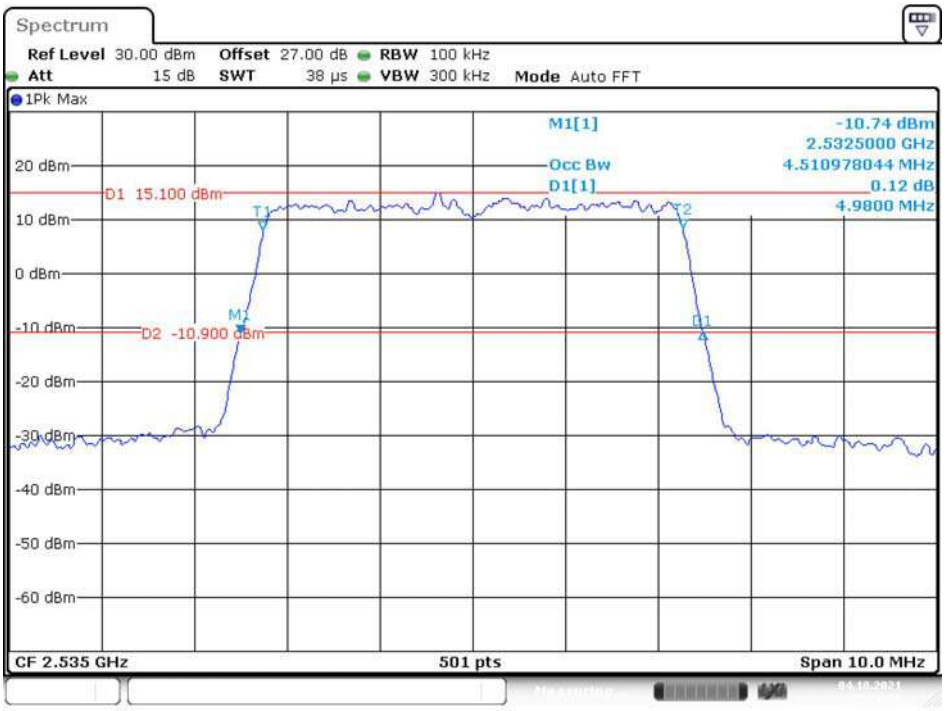
Date: 4.OCT.2021 09:33:26

QPSK (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



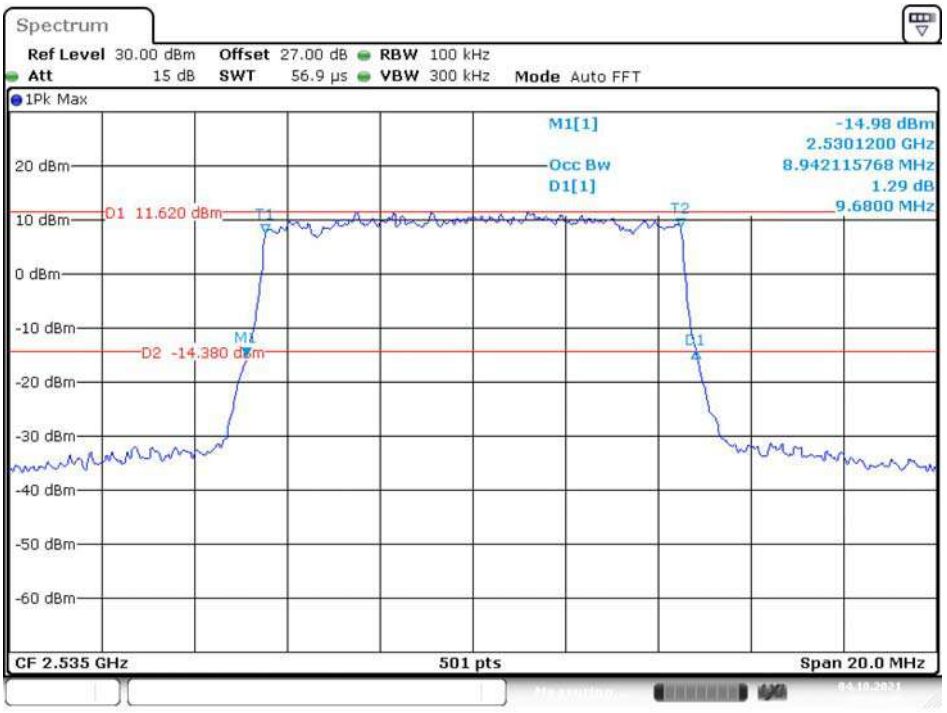
Date: 4.OCT.2021 09:37:00

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



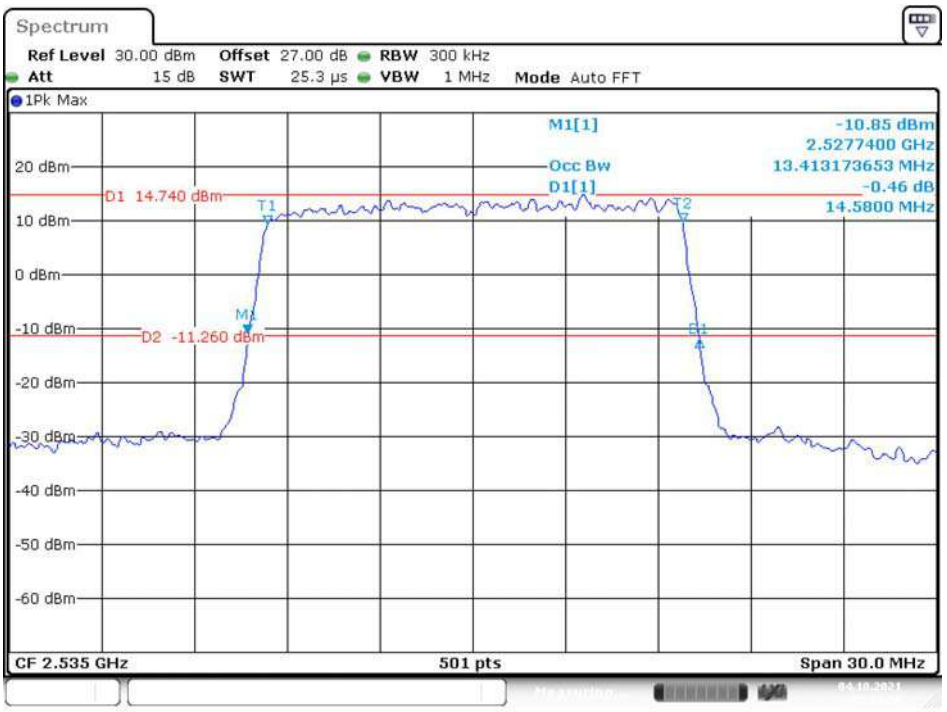
Date: 4.OCT.2021 09:27:56

16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



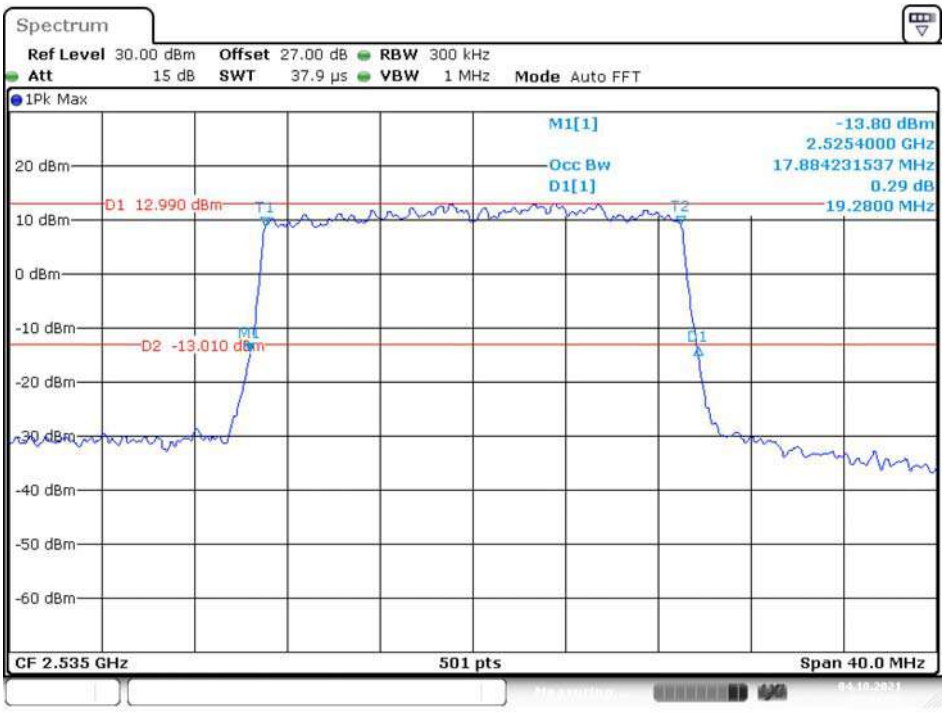
Date: 4.OCT.2021 09:30:46

16-QAM (15.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



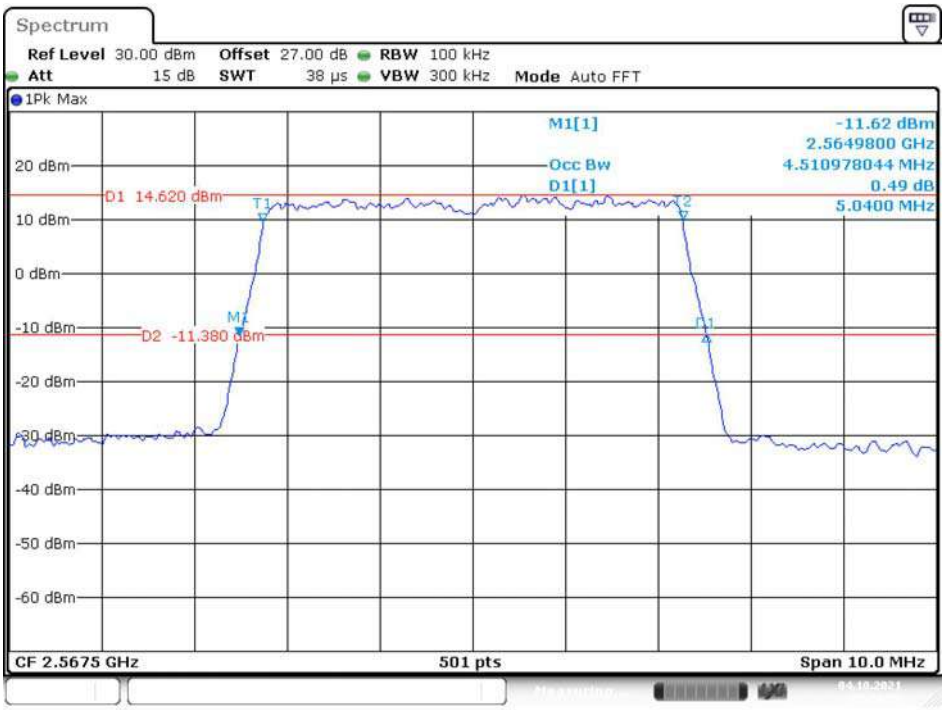
Date: 4.OCT.2021 09:33:56

16-QAM (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



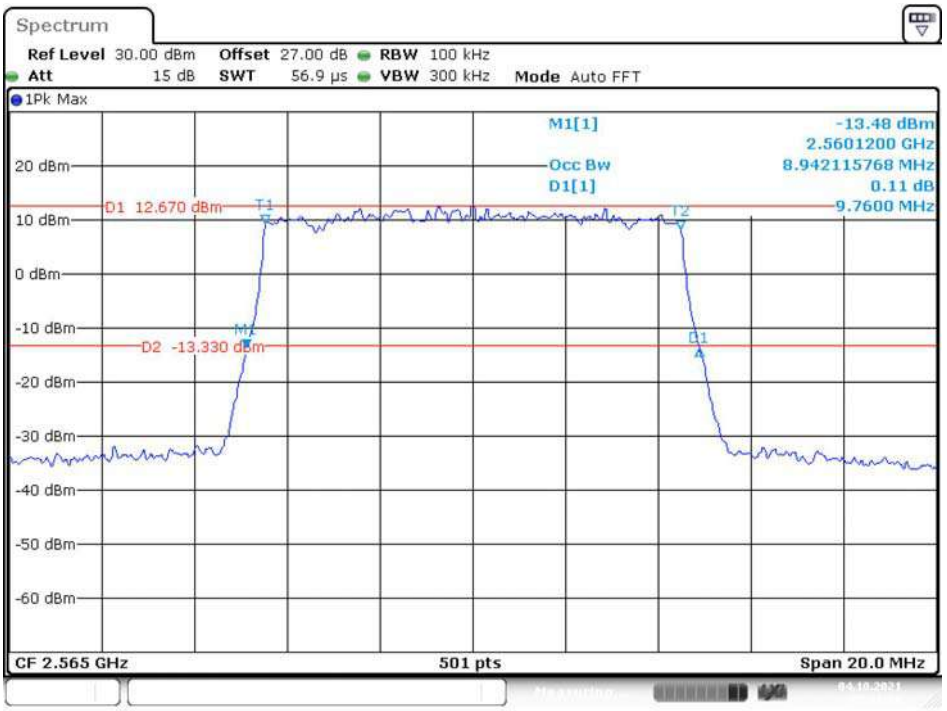
Date: 4.OCT.2021 09:37:27

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



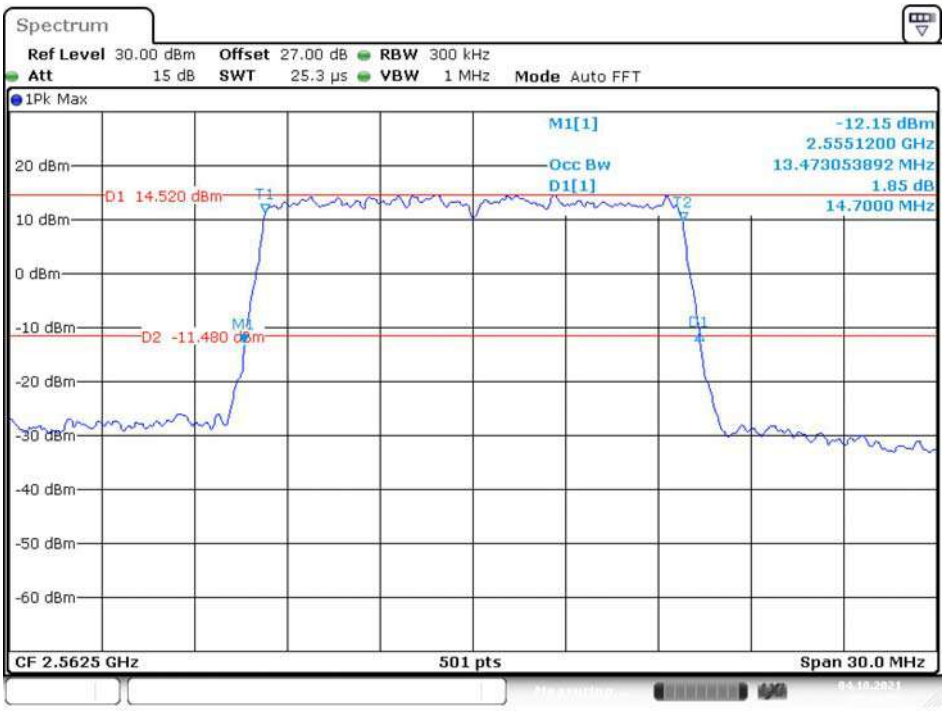
Date: 4.OCT.2021 09:28:23

QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



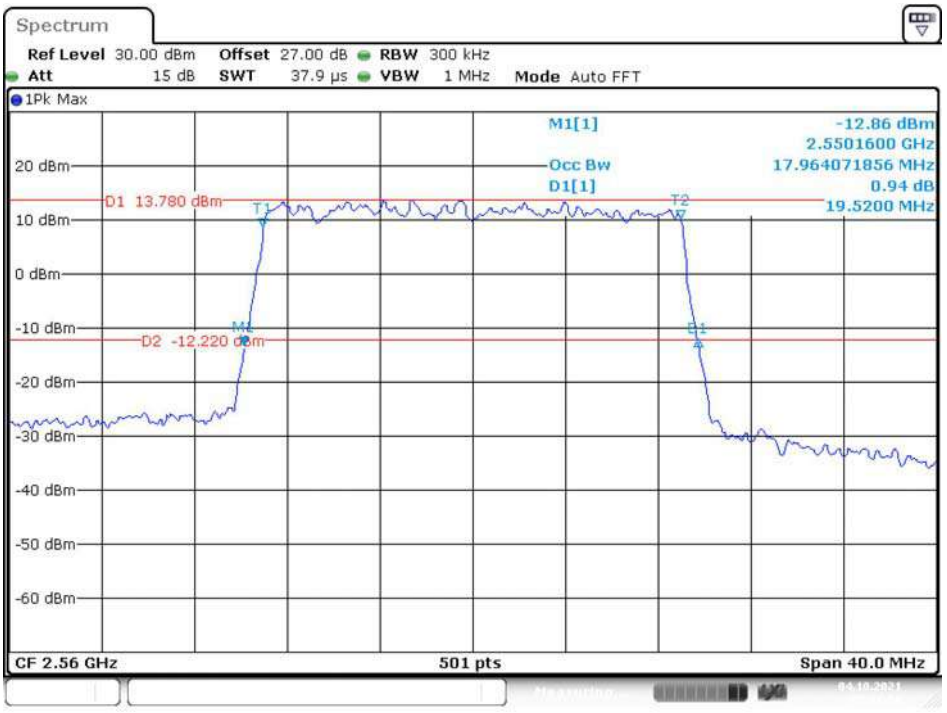
Date: 4.OCT.2021 09:31:18

QPSK (15.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



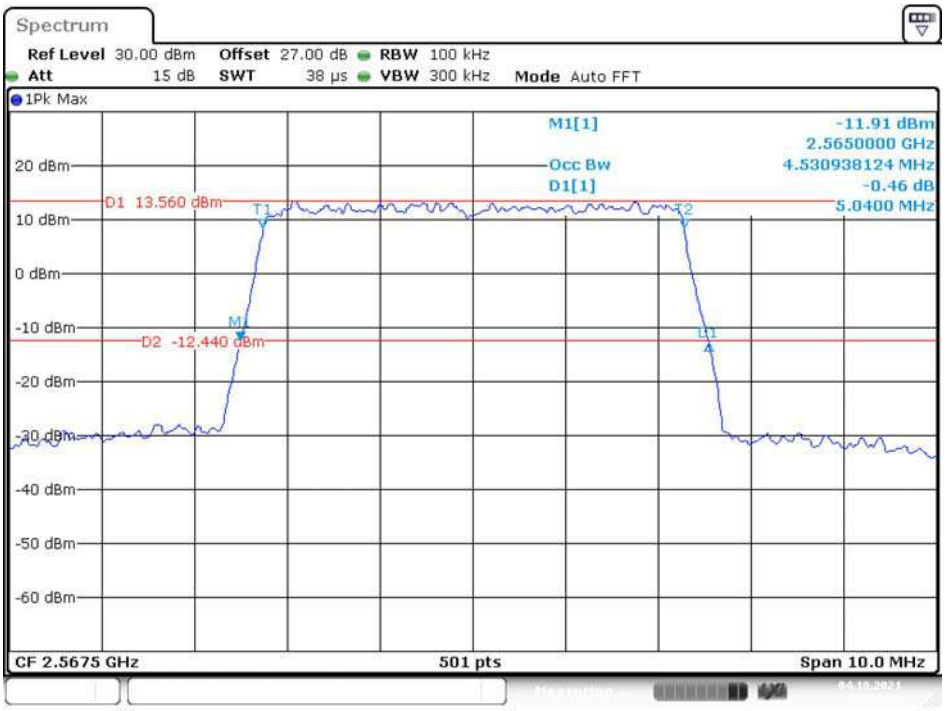
Date: 4.OCT.2021 09:34:24

QPSK (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



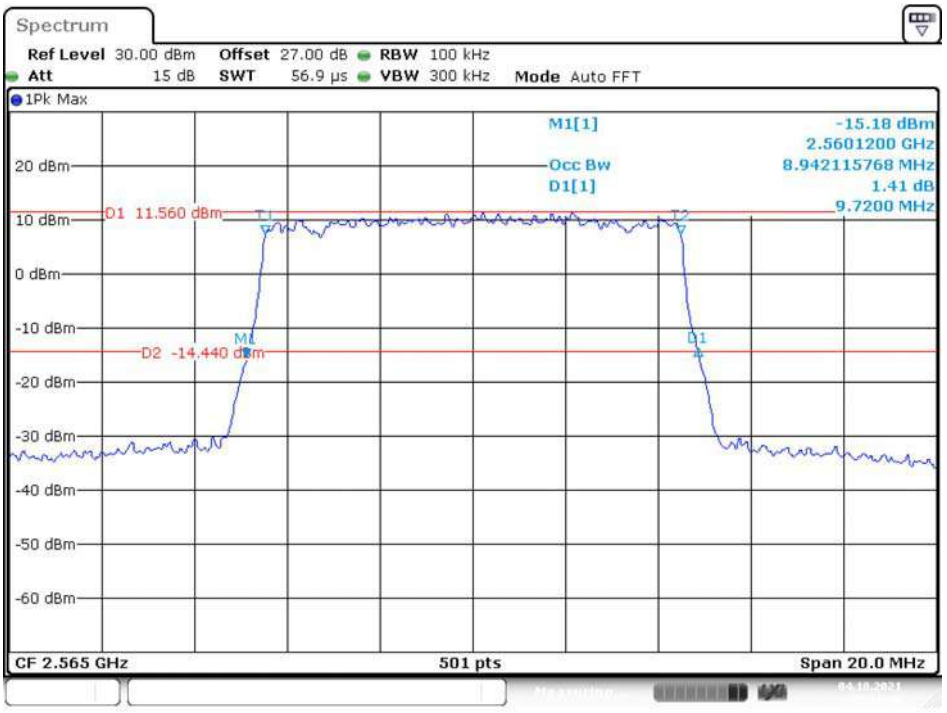
Date: 4.OCT.2021 09:37:52

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



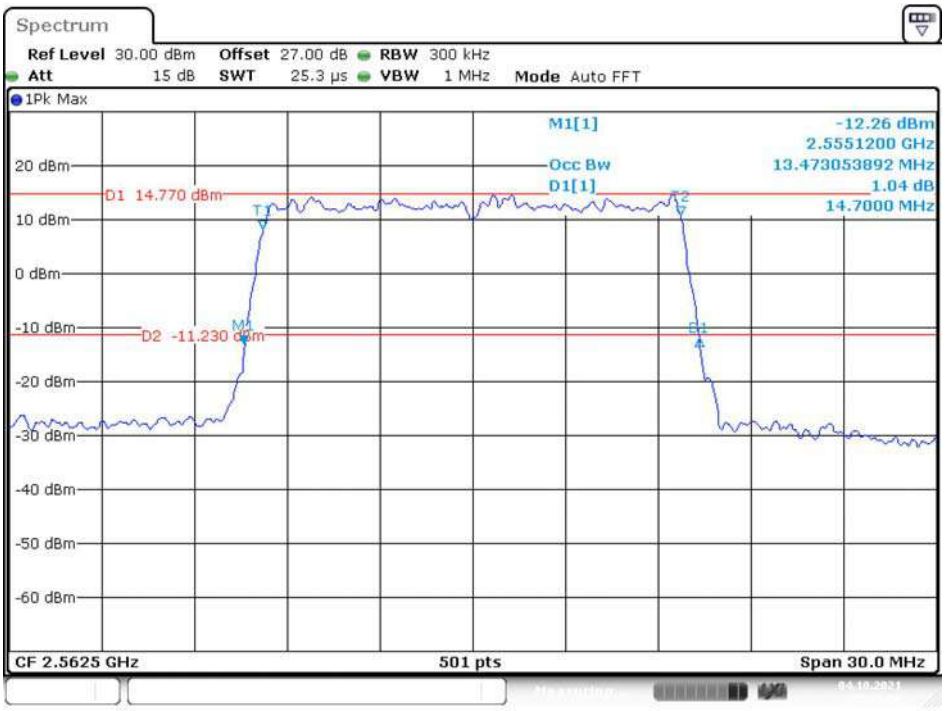
Date: 4.OCT.2021 09:28:47

16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



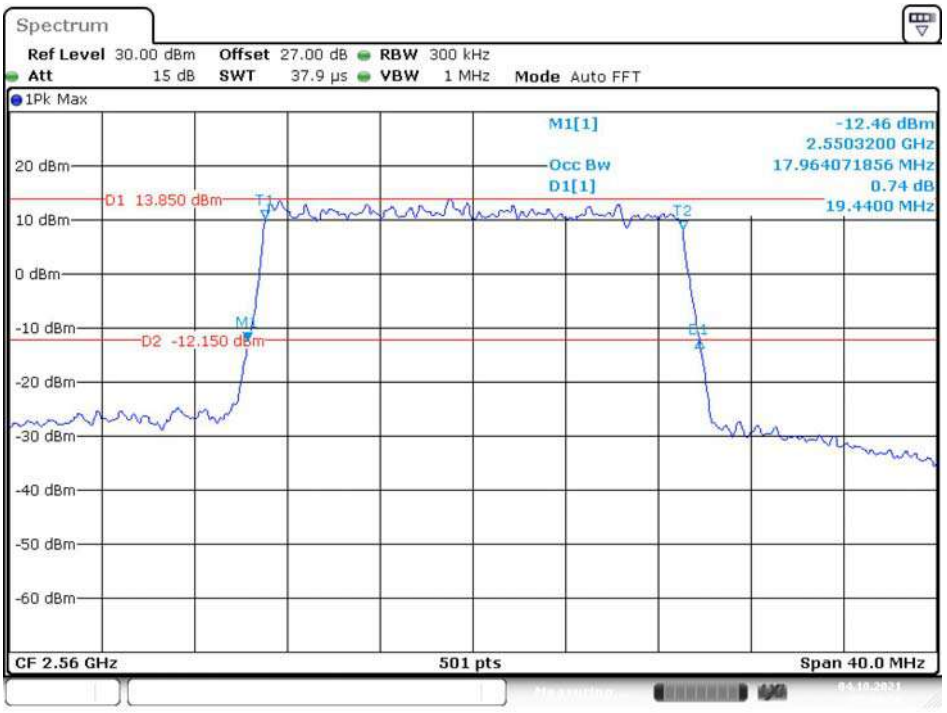
Date: 4.OCT.2021 09:31:49

16-QAM (15.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 09:35:01

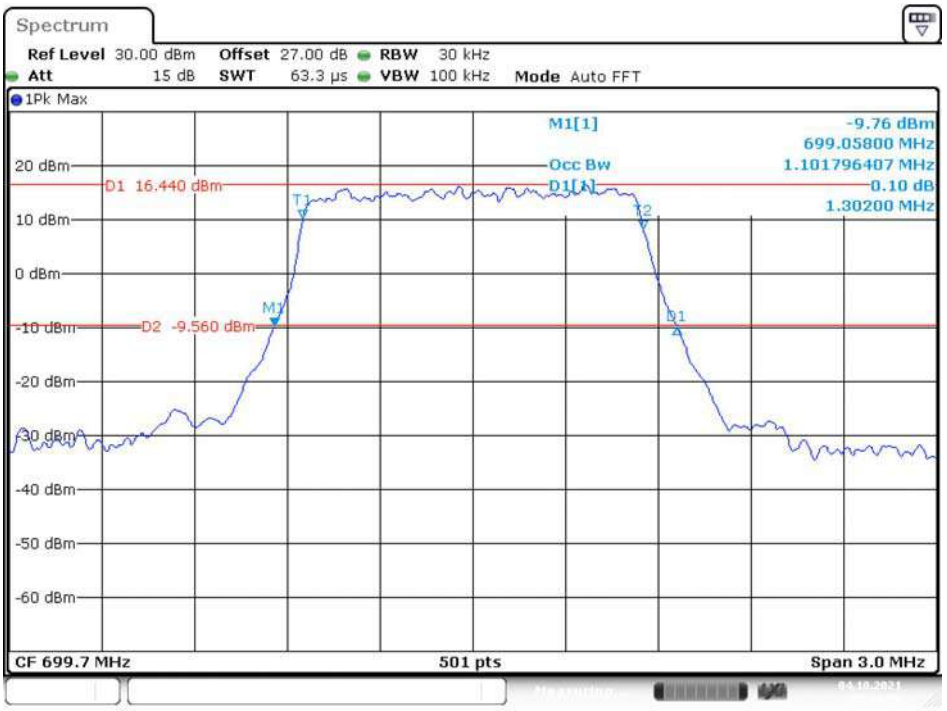
16-QAM (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 09:38:28

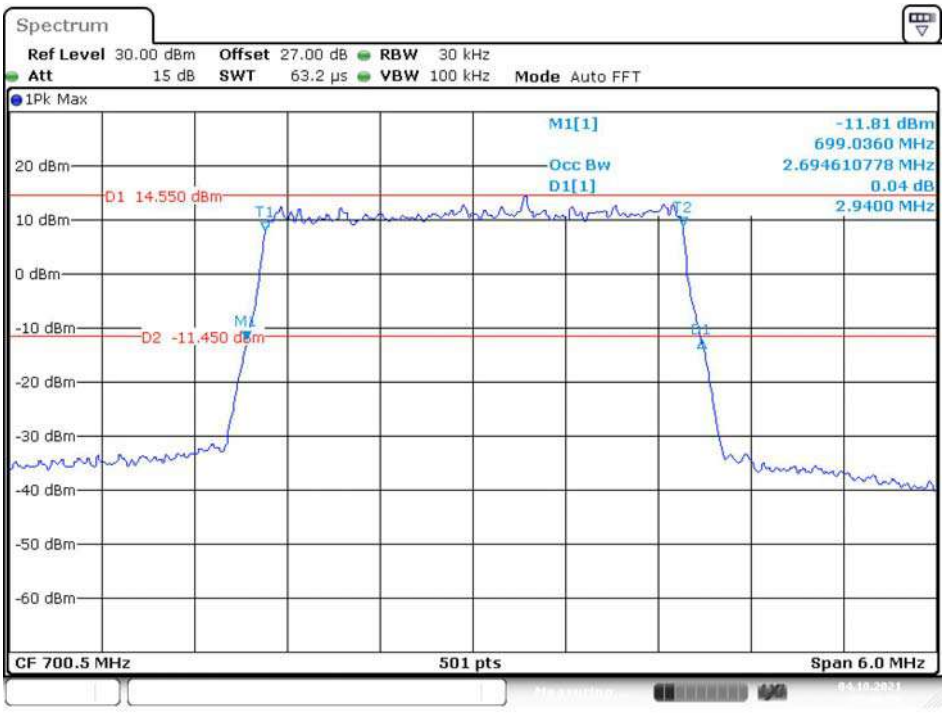
LTE Band 12

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



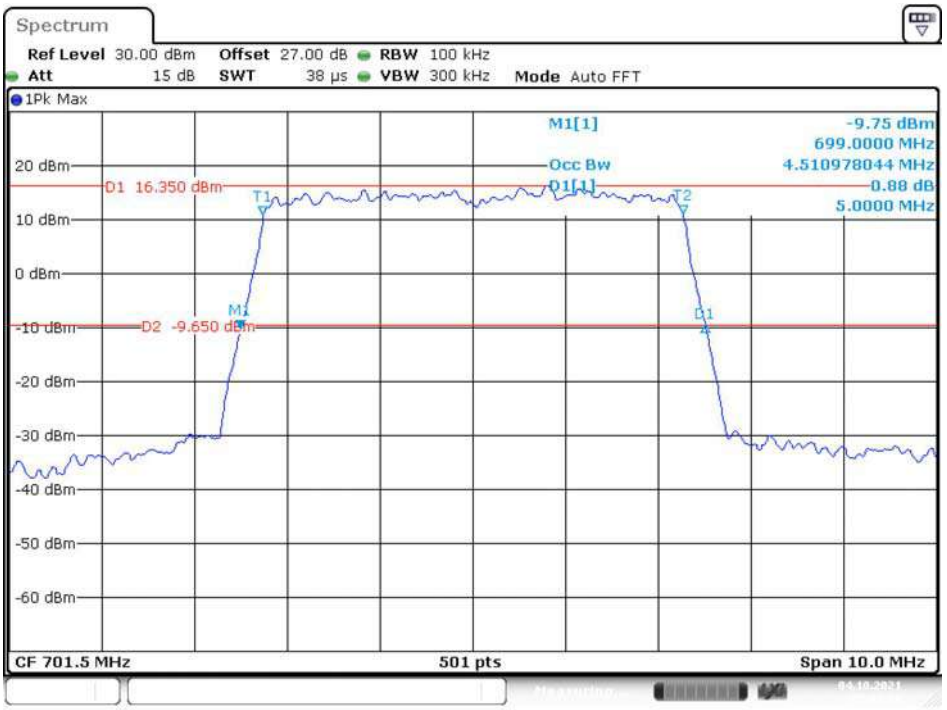
Date: 4.OCT.2021 09:38:48

QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



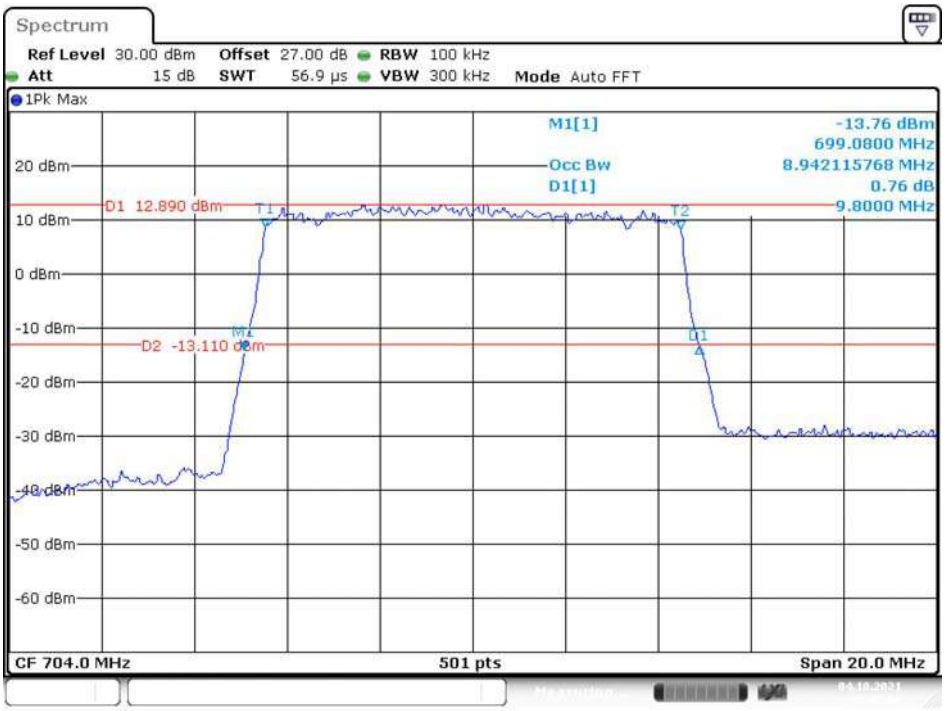
Date: 4.OCT.2021 09:40:31

QPSK (5.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



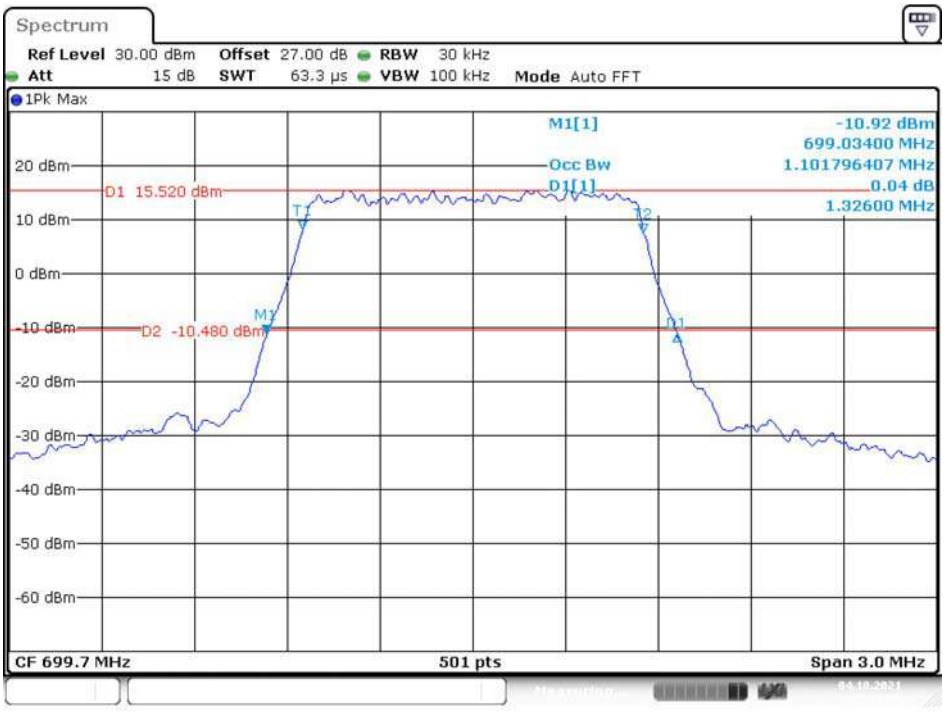
Date: 4.OCT.2021 09:42:32

QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



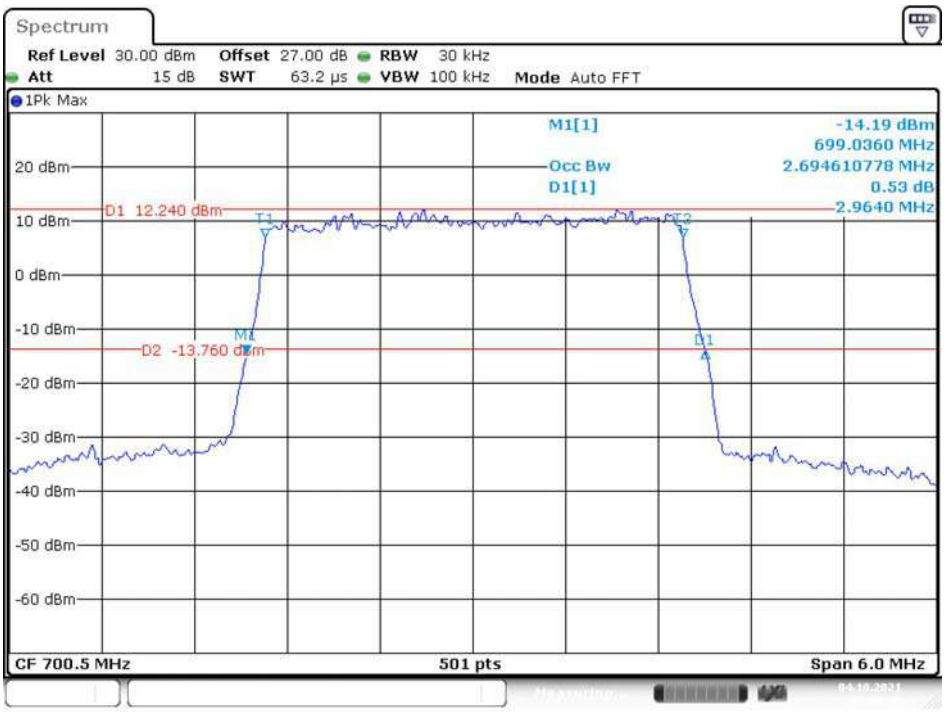
Date: 4.OCT.2021 09:45:07

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



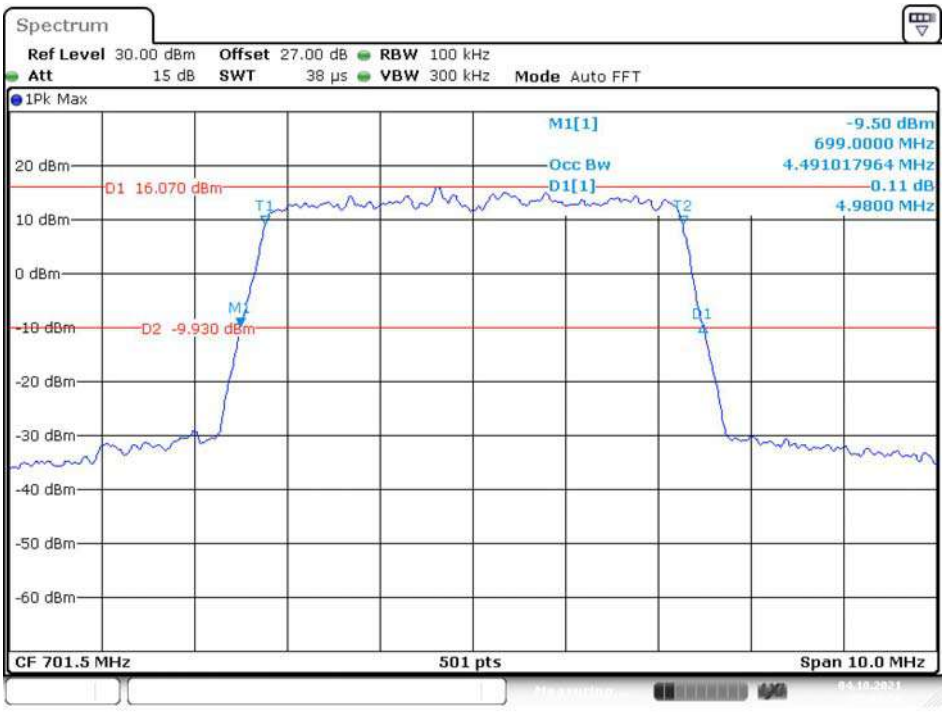
Date: 4.OCT.2021 09:39:05

16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



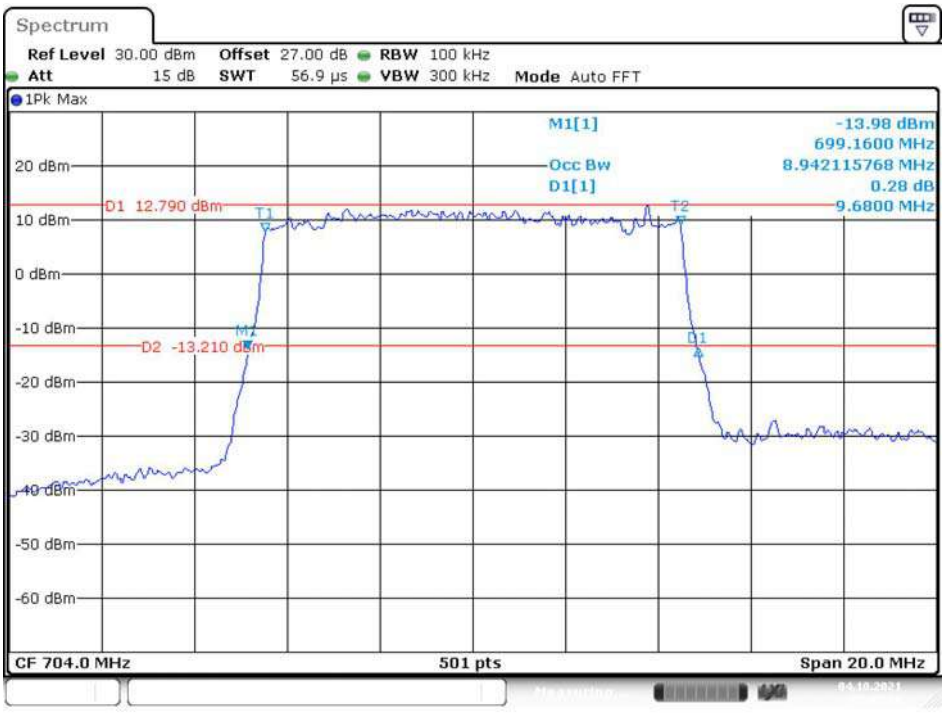
Date: 4.OCT.2021 09:40:45

16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



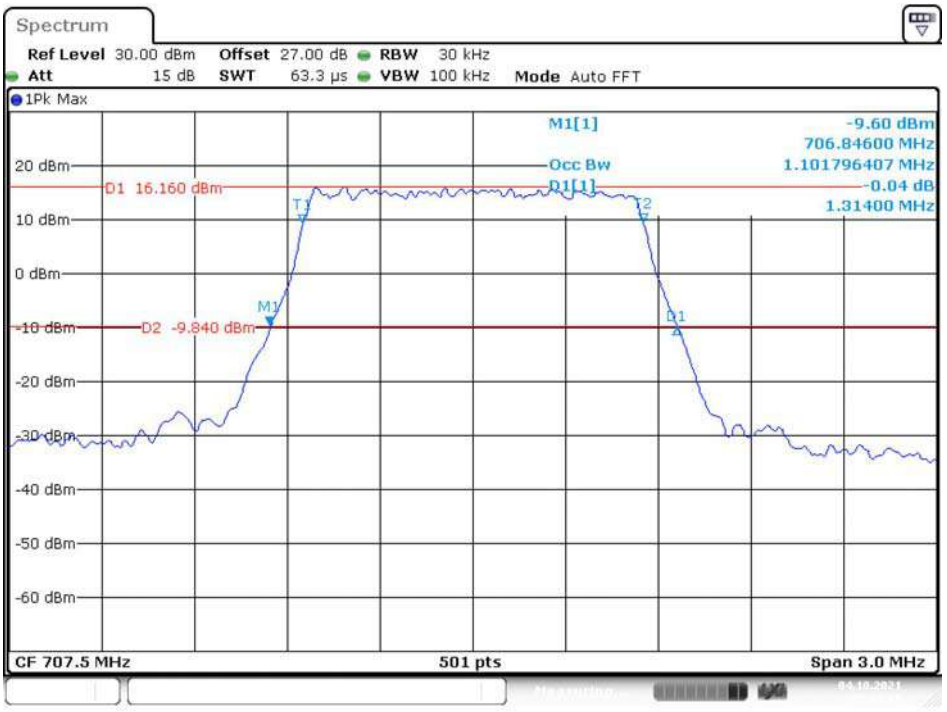
Date: 4.OCT.2021 09:42:59

16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



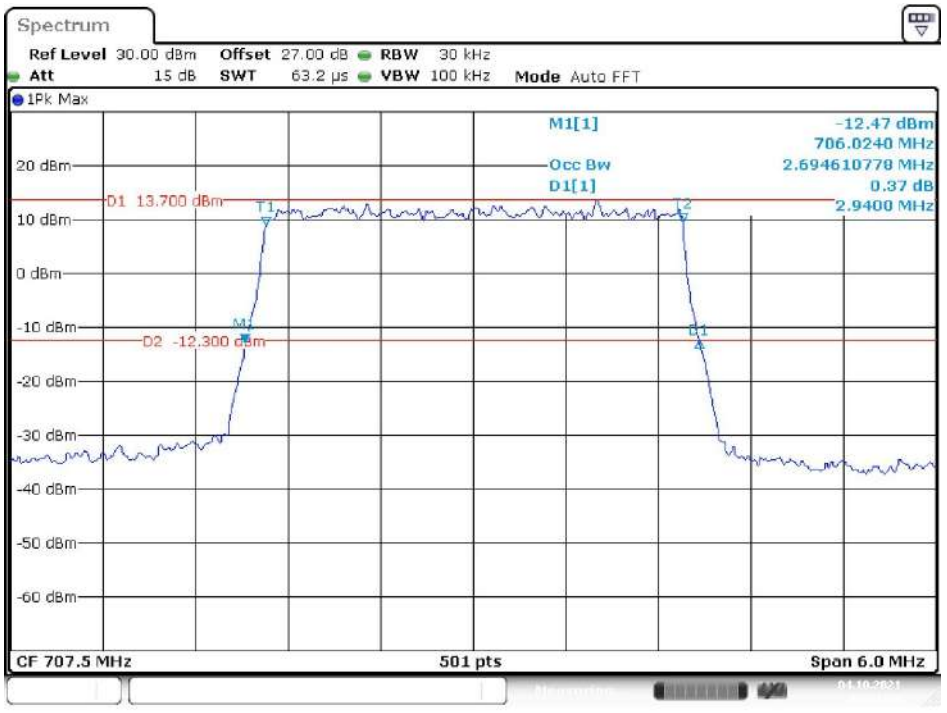
Date: 4.OCT.2021 09:45:31

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



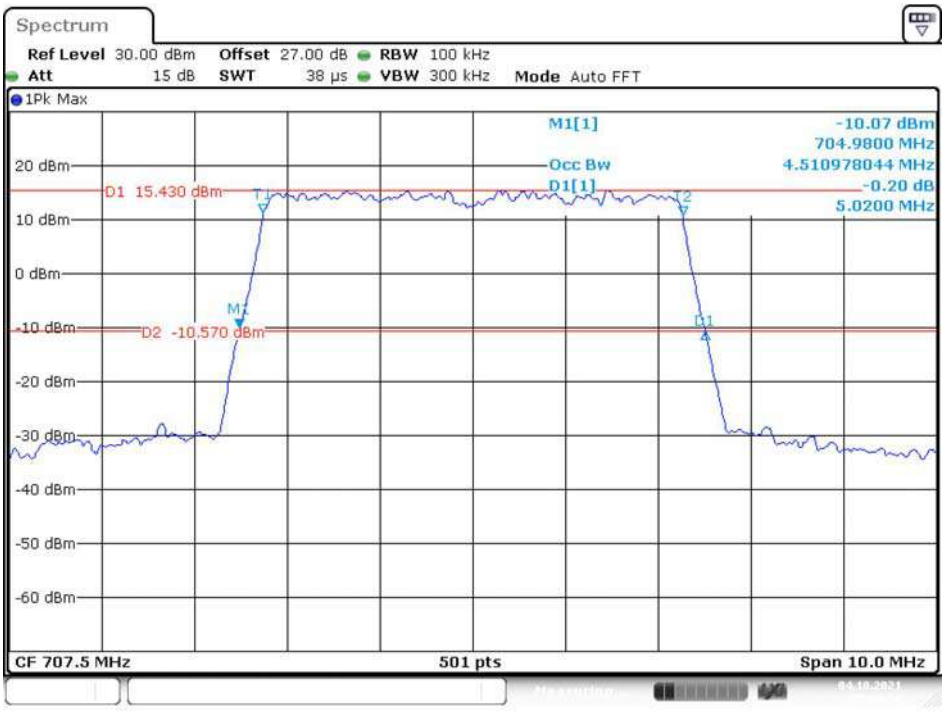
Date: 4.OCT.2021 09:39:20

QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



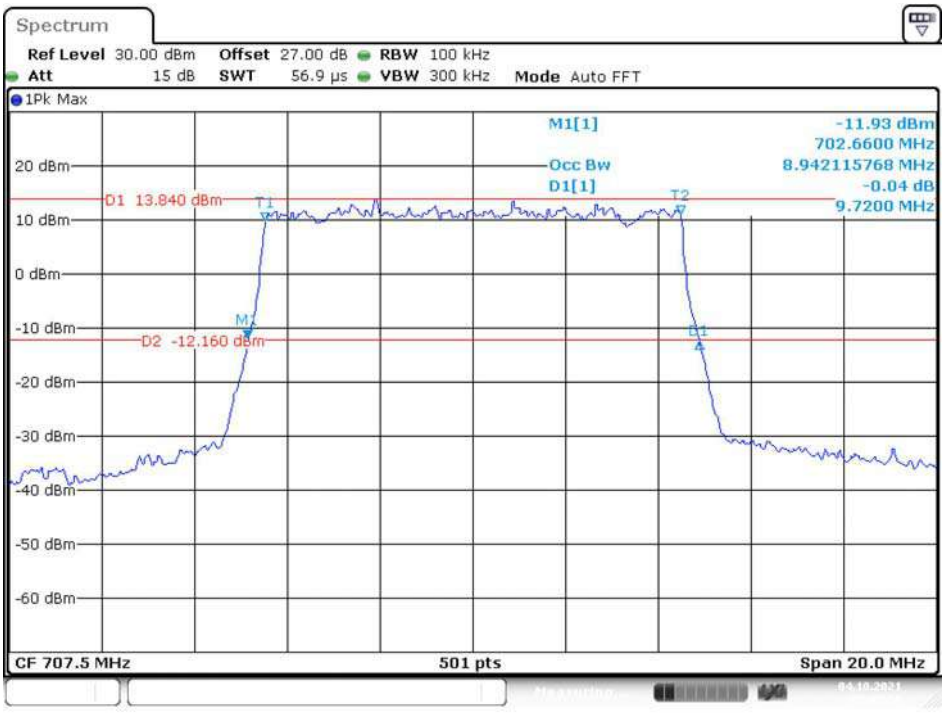
Date: 4.OCT.2021 09:41:03

QPSK (5.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



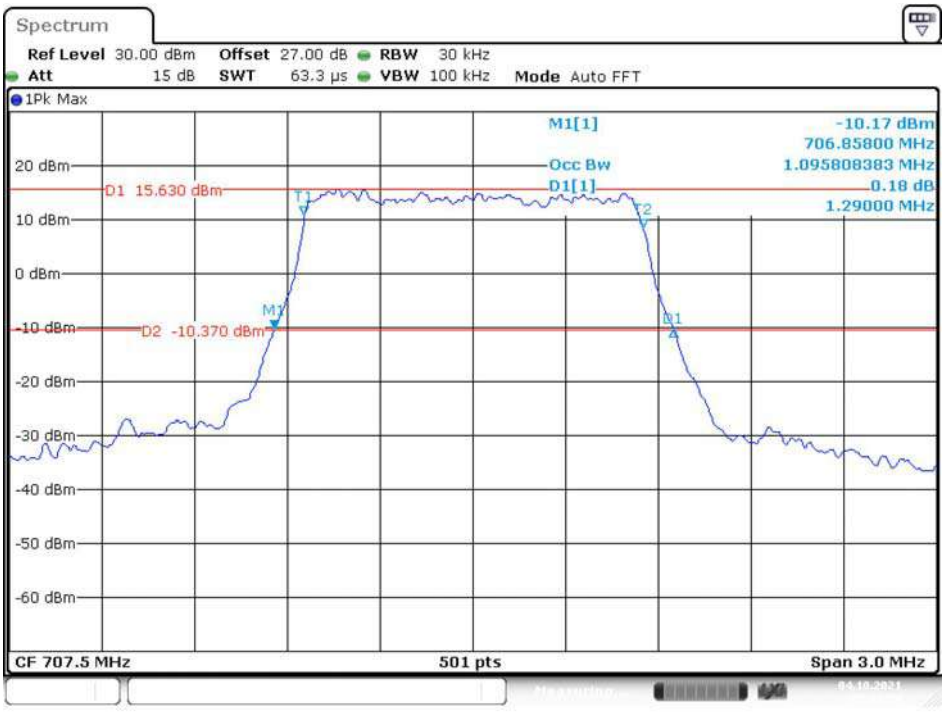
Date: 4.OCT.2021 09:43:26

QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



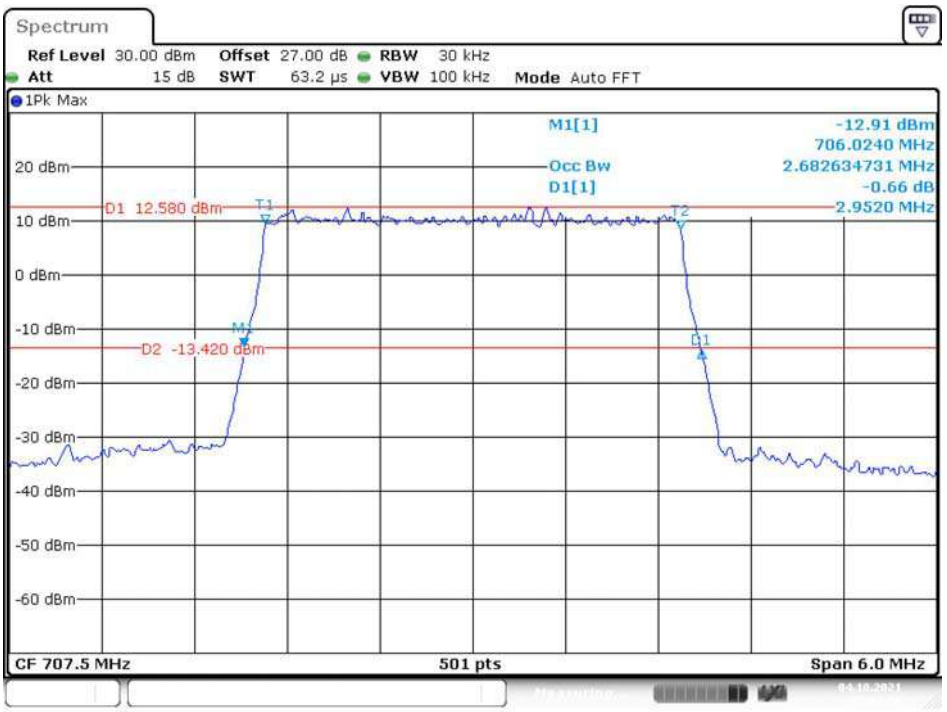
Date: 4.OCT.2021 09:46:00

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



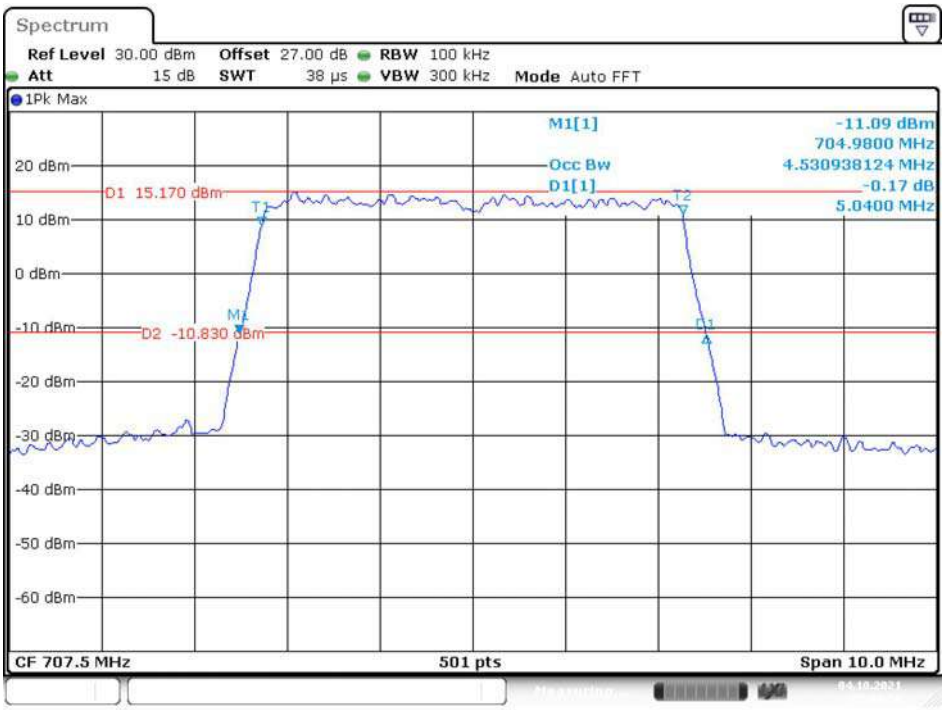
Date: 4.OCT.2021 09:39:34

16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



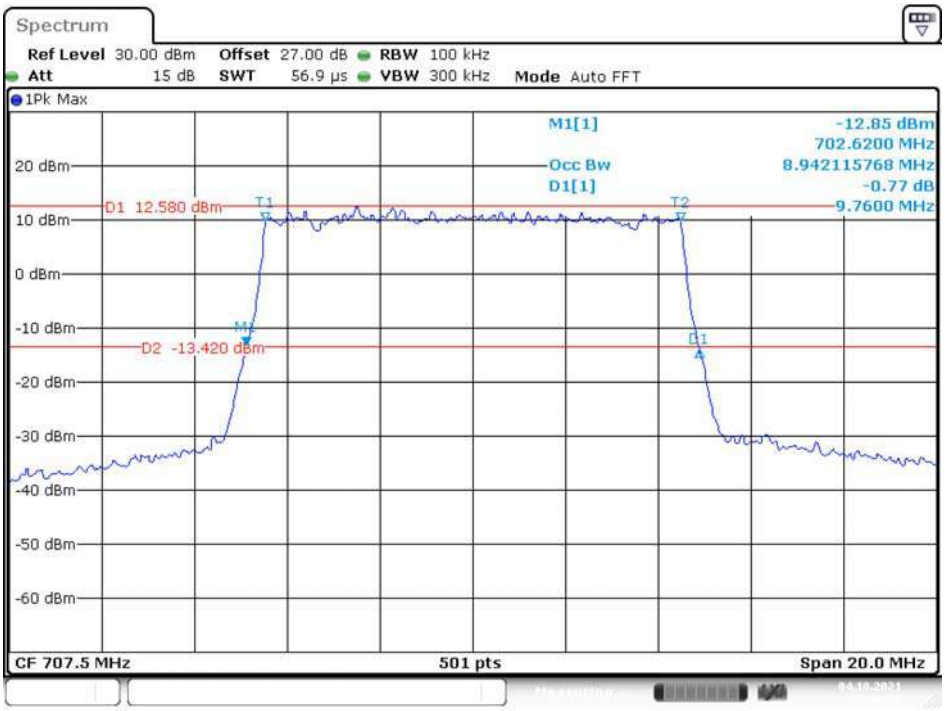
Date: 4.OCT.2021 09:41:20

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



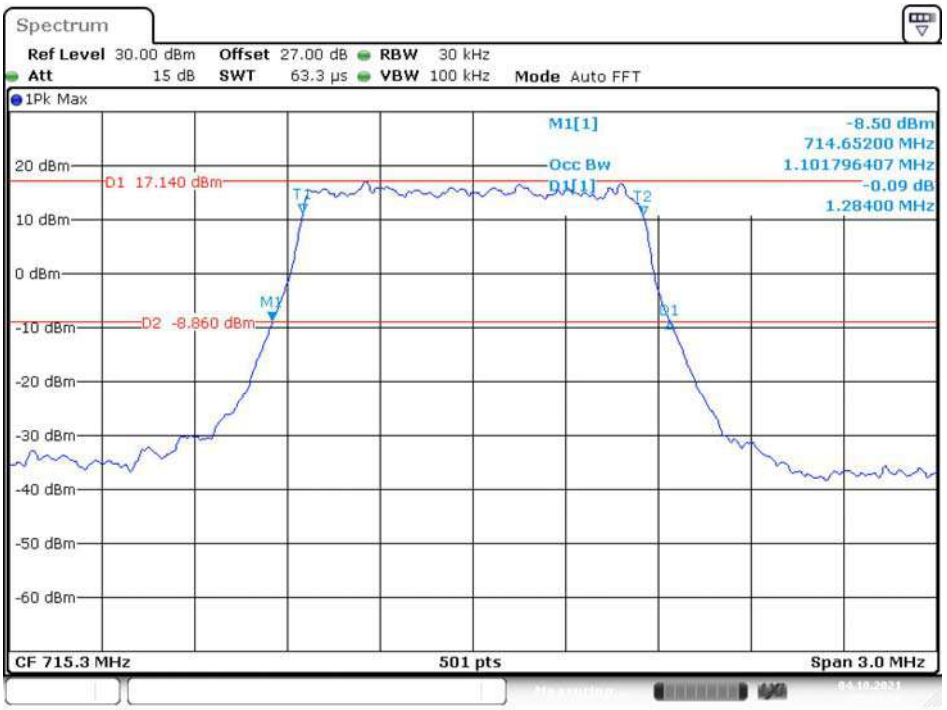
Date: 4.OCT.2021 09:43:53

16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



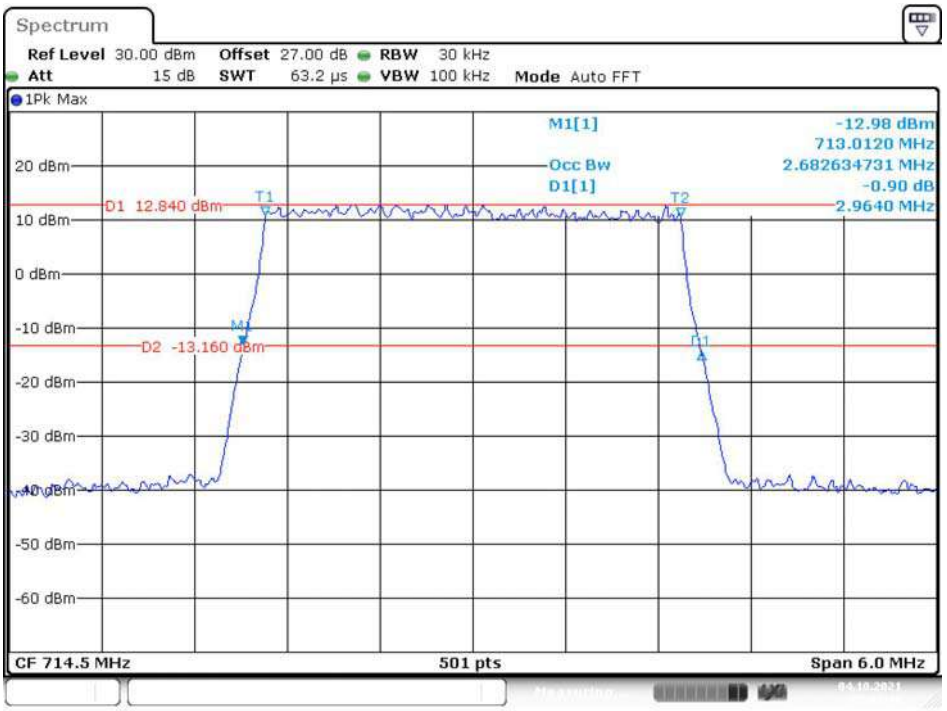
Date: 4.OCT.2021 09:46:37

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 09:39:52

QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Date: 4.OCT.2021 09:41:41