



TESTING LABORATORY
CERTIFICATE #4820.01



FCC PART 22H, PART 24E, PART 27 MEASUREMENT AND TEST REPORT

For

MAXWEST COMMUNICATION LIMITED

ROOM 1802B FORTRESS TOWER, 250 KING'S ROAD, NORTH POINT, HONG KONG

FCC ID: 2ASP8NITRO55Q

Report Type: Original Report	Product Type: Mobile Phone
Report Number: RDG200918006-00D	
Report Date: 2020-10-23	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Name:		Mobile Phone
EUT Model:		Nitro 55Q
Operation modes:		GSM Voice, GPRS/EDGE Data, WCDMA(R99 (Voice+Data), HSDPA,HSUPA,DC-HSDPA, HSPA+) FDD-LTE
Operation Frequency:		GSM 850: 824-849 MHz(TX); 869-894 MHz(RX) PCS 1900: 1850-1910 MHz(TX); 1930-1990 MHz(RX) WCDMA Band 2: 1850-1910 MHz(TX); 1930-1990 MHz(RX) WCDMA Band 4:1710-1755 MHz(TX), 2110-2155 MHz(RX) WCDMA Band 5: 824-849 MHz(TX); 869-894 MHz(RX) LTE Band 2:1850-1910 MHz(TX), 1930-1990 MHz(RX) LTE Band 4:1710-1755 MHz(TX), 2110-2155 MHz(RX) LTE Band 5: 824-849 MHz(TX); 869-894 MHz(RX) LTE Band 12: 699-716 MHz(TX), 729-746 MHz(RX) LTE Band 17: 704-716 MHz(TX), 734-746 MHz(RX) LTE Band 66: 1710-1780 MHz(TX), 2110-2180 MHz(RX)
Modulation Type:		GMSK, 8PSK, BPSK, QPSK, 16QAM
Antenna Gain[△]:		-2.2 dBi(Band 5/12/17), -3.1 dBi(Band 2/4/66)
Rated Input Voltage:		DC 3.8V from battery or DC 5V from Adapter
Serial Number:		RDG200918006-RF-S1
Adapter Information 1	Model:	Nitro 55Q
	Input:	AC 100-240V,50/60 Hz, 0.2A
	Output:	DC 5.0V, 1A
Adapter Information 2	Model:	UT-236A-5100
	Input:	AC 100-240V,50/60 Hz, 0.2A
	Output:	DC 5.0V, 1A
EUT Received Date:		2020.09.20
EUT Received Status:		Good

Objective

This report is prepared on behalf of **MAXWEST COMMUNICATION LIMITED** in accordance with: Part 2-Subpart J, Part 22-Subpart H, Part 24-Subpart E, Part 27of the Federal Communications Commission's rules.

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

Related Submittal(s)/Grant(s)

FCC Part 15C DTS submissions with FCC ID: 2ASP8NITRO55Q
FCC Part 15C DSS submissions with FCC ID: 2ASP8NITRO55Q

Test Methodology

All tests and measurements indicated in this document were performed in accordance with:

the Code of federal Regulations Title 47, Part 2, Part 22H, Part 24E, Part 27.

ANSI C63.26-2015, American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Dongguan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Unwanted Emissions, radiated	30MHz ~ 1GHz: 5.85 dB 1G~26.5GHz: 5.23 dB
Unwanted Emissions, conducted	±1.5 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%

Note: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

Declarations

BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “△”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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SYSTEM TEST CONFIGURATION

Justification

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

The test items were performed with the EUT operating at testing mode. The device operates on GSM Band 850/1900MHz, WCDMA Band 2/4/5, and LTE band 2/4/5/12/17/66, test was performed with channels as below table:

Frequency Bands	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
GSM/GPRS 850	0.25	824.2	836.6	848.8
GSM/GPRS 1900	0.25	1850.2	1880	1909.8
WCDMA Band 2	4.2	1852.4	1880	1907.6
WCDMA Band 4	4.2	1712.4	1732.6	1752.6
WCDMA Band 5	4.2	826.4	836.6	846.6
LTE Band 2	1.4	1850.7	1880	1909.3
	3	1851.5	1880	1908.5
	5	1852.5	1880	1907.5
	10	1855	1880	1905
	15	1857.5	1880	1902.5
	20	1860	1880	1900
LTE Band 4	1.4	1710.7	1732.5	1754.3
	3	1711.5	1732.5	1753.5
	5	1712.5	1732.5	1752.5
	10	1715	1732.5	1750
	15	1717.5	1732.5	1747.5
	20	1720	1732.5	1745
LTE Band 5	1.4	824.7	836.5	848.3
	3	825.5	836.5	847.5
	5	826.5	836.5	846.5
	10	829	836.5	844
LTE Band 12	1.4	699.7	707.5	715.3
	3	700.5	707.5	714.5
	5	701.5	707.5	713.5
	10	704	707.5	711
LTE Band 17	5	706.5	710	713.5
	10	709	710	711
LTE Band 66	1.4	1710.7	1745	1779.3
	3	1711.5	1745	1778.5
	5	1712.5	1745	1777.5
	10	1715	1745	1775
	15	1717.5	1745	1772.5
	20	1720	1745	1770

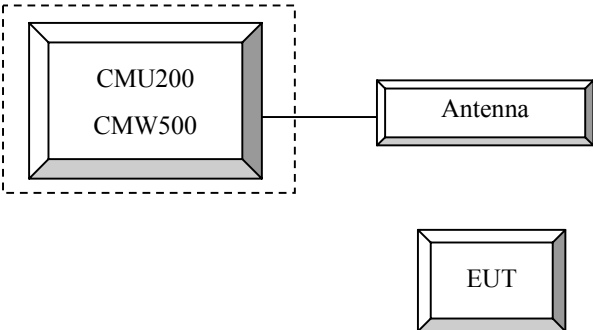
Equipment Modifications

No modification was made to the EUT.

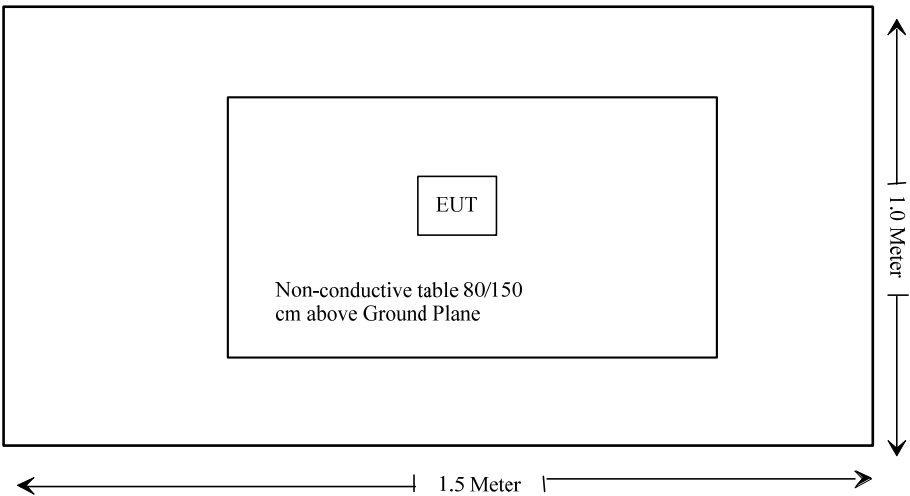
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
R&S	Universal Radio Communication Tester	CMU200	106 891
R&S	Wideband Radio Communication Tester	CMW500	147473
Un-Known	ANTENNA	Un-Known	Un-Known

Configuration of Test Setup



Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

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

FCC §1.1310 & §2.1093- RF EXPOSURE

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliance, please refer to the SAR report: RDG200918006-20A.

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 §27.50

(a)(3) Mobile and portable stations. (i) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

(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.

Test Procedure

GSM/GPRS/EGPRS

Function: Menu select > GSM Mobile Station > GSM 850/1900

Press Connection control to choose the different menus

Press RESET > choose all the reset all settings

Connection Press Signal Off to turn off the signal and change settings

Network Support > GSM + GPRS or GSM + EGSM

Main Service > Packet Data

Service selection > Test Mode A – Auto Slot Config. off

MS Signal Press Slot Config Bottom on the right twice to select and change the number of time slots and power setting

> Slot configuration > Uplink/Gamma

> 33 dBm for GPRS 850

> 30 dBm for GPRS 1900

> 27 dBm for EGPRS 850

> 26 dBm for EGPRS 1900

BS Signal Enter the same channel number for TCH channel (test channel) and BCCH channel

Frequency Offset > + 0 Hz

Mode > BCCH and TCH

BCCH Level > -85 dBm (May need to adjust if link is not stable)

BCCH Channel > choose desire test channel [Enter the same channel number for TCH channel (test channel) and BCCH channel]

Channel Type > Off

P0 > 4 dB

Slot Config > Unchanged (if already set under MS signal)

TCH > choose desired test channel

Hopping > Off

Main Timeslot > 3

Network Coding Scheme > CS4 (GPRS) and MCS5 (EGPRS)

Bit Stream > 2E9-1 PSR Bit Stream

AF/RF Enter appropriate offsets for Ext. Att. Output and Ext. Att. Input

Connection Press Signal on to turn on the signal and change settings

WCDMA-Release 99

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification. The EUT has a nominal maximum output power of 24dBm (+1.7/-3.7).

WCDMA General Settings	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm2
	β_c / β_d	8/15

WCDMA HSDPA

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification.

	Mode	HSDPA	HSDPA	HSDPA	HSDPA
	Subset	1	2	3	4
WCDMA General Settings	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2kbps RMC			
	HSDPA FRC	H-Set1			
	Power Control Algorithm	Algorithm2			
	β_c	2/15	12/15	15/15	15/15
	β_d	15/15	15/15	8/15	4/15
	β_d (SF)	64			
	β_c / β_d	2/15	12/15	15/8	15/4
	β_{hs}	4/15	24/15	30/15	30/15
	MPR(dB)	0	0	0.5	0.5
HSDPA Specific Settings	DACK	8			
	DNAK	8			
	DCQI	8			
	Ack-Nack repetition factor	3			
	CQI Feedback	4ms			
	CQI Repetition Factor	2			
	$A_{hs} = \beta_{hs} / \beta_c$	30/15			

WCDMA HSUPA

The following tests were conducted according to the test requirements outlines in section 5.2 of the 3GPP TS34.121-1 specification.

	Mode	HSUPA	HSUPA	HSUPA	HSUPA	HSUPA
	Subset	1	2	3	4	5
WCDMA General Settings	Loopback Mode	Test Mode 1				
	Rel99 RMC	12.2kbps RMC				
	HSDPA FRC	H-Set1				
	HSUPA Test	HSUPA Loopback				
	Power Control Algorithm	Algorithm2				
	β_c	11/15	6/15	15/15	2/15	15/15
	β_d	15/15	15/15	9/15	15/15	0
	β_{ec}	209/225	12/15	30/15	2/15	5/15
	β_c/β_d	11/15	6/15	15/9	2/15	-
	β_{hs}	22/15	12/15	30/15	4/15	5/15
	CM(dB)	1.0	3.0	2.0	3.0	1.0
	MPR(dB)	0	2	1	2	0
HSDPA Specific Settings	DACK	8				
	DNAK	8				
	DCQI	8				
	Ack-Nack repetition factor	3				
	CQI Feedback	4ms				
	CQI Repetition Factor	2				
	$A_{hs}=\beta_{hs}/\beta_c$	30/15				
HSUPA Specific Settings	DE-DPCCH	6	8	8	5	7
	DHARQ	0	0	0	0	0
	AG Index	20	12	15	17	21
	ETFCI	75	67	92	71	81
	Associated Max UL Data Rate kbps	242.1	174.9	482.8	205.8	308.9
	Reference E_FCI	E-TFCI 11 E E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO23 E-TFCI 75 E-TFCI PO26 E-TFCI 81 E-TFCI PO 27	E-TFCI 11 E-TFCI PO4 E-TFCI 92 E-TFCI PO 18	E-TFCI 11 E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO23 E-TFCI 75 E-TFCI PO26 E-TFCI 81 E-TFCI PO 27	E-TFCI 11 E E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO23 E-TFCI 75 E-TFCI PO26 E-TFCI 81 E-TFCI PO 27	E-TFCI 11 E E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO23 E-TFCI 75 E-TFCI PO26 E-TFCI 81 E-TFCI PO 27

HSPA+

The following tests were conducted according to the test requirements in Table C.11.1.4 of 3GPP TS 34.121-1

Sub-test	β_c (Note 3)	β_d	β_{HS} (Note 1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	β_{ed1} : 30/15 β_{ed2} : 30/15	β_{ed3} : 24/15 β_{ed4} : 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$.

Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).

Note 3: DPDCH is not configured, therefore the β_c is set to 1 and $\beta_d = 0$ by default.

Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

DC-HSDPA

The following tests were conducted according to the test requirements in Table C.8.1.12 of 3GPP TS 34.121-1:

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Processes	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

LTE (FDD):

The following tests were conducted according to the test requirements in 3GPP TS36.101

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	See Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10, 15, 20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a
NS_07	6.6.2.2.3	13	10	Table 6.2.4-2	Table 6.2.4-2
	6.6.3.3.2				
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3
NS_11	6.6.2.2.1	23 ¹	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5
..					
NS_32	*	*	*	*	*

Note 1: Applies to the lower block of Band 23, i.e. a carrier placed in the 2000-2010 MHz region.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Unknown	Coaxial Cable	C-SJ00-0010	C0010/04	Each time	N/A
E-Microwave	Blocking Control	EMDCB-00036	0E01201048	Each time	N/A
E-Microwave	Coaxial Attenuators	EMCA10-5RN-6	OE01203239	Each time	N/A
R&S	Universal Radio Communication Tester	CMU200	106 891	2020-09-12	2021-09-12
R&S	Wideband Radio Communication Tester	CMW500	149216	2020-09-12	2021-09-12

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data**Environmental Conditions**

Temperature:	25.2 °C
Relative Humidity:	64%
ATM Pressure:	101.2kPa
Tester:	Chris Mo,Billy Li
Test Date:	2020-10-18~2020-10-20

Test Result: Compliance

GSM/GPRS/EDGE**Conducted Peak Output Power:**

Band	Channel No.	Conducted Peak Output Power (dBm)								
		GSM	GPRS 1 TX Slot	GPRS 2 TX Slots	GPRS 3 TX Slots	GPRS 4 TX Slots	EGPRS 1 TX Slot	EGPRS 2 TX Slots	EGPRS 3 TX Slots	EGPRS 4 TX Slots
Cellular	128	31.50	31.48	29.46	27.57	25.40	24.15	22.85	21.21	20.07
	190	31.40	31.33	29.43	27.53	25.38	25.36	24.07	22.37	20.18
	251	31.30	31.27	29.27	27.40	25.31	25.09	23.79	22.12	20.14
PCS	512	28.50	28.15	25.94	24.37	22.32	25.21	23.10	21.18	20.36
	661	28.30	27.87	25.36	23.81	21.76	25.20	23.81	21.29	20.84
	810	28.00	27.50	24.71	23.11	20.90	24.61	22.49	21.83	20.94

ERP/EIRP:

Band	Mode	Channel	Conducted Power (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
Cellular	GSM	Low	31.50	-4.35	0.2	26.95	38.45
		Middle	31.40	-4.35	0.2	26.85	38.45
		High	31.30	-4.35	0.2	26.75	38.45
	EDGE	Low	24.15	-4.35	0.2	19.6	38.45
		Middle	25.36	-4.35	0.2	20.81	38.45
		High	25.09	-4.35	0.2	20.54	38.45
PCS	GSM	Low	28.50	-3.1	0.4	25.0	33.00
		Middle	28.30	-3.1	0.4	24.8	33.00
		High	28.00	-3.1	0.4	24.5	33.00
	EDGE	Low	25.21	-3.1	0.4	21.71	33.00
		Middle	25.20	-3.1	0.4	21.7	33.00
		High	24.61	-3.1	0.4	21.11	33.00

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Result = Conducted Power - Cable loss + Antenna Gain
- 3) Antenna gain(dBd)= Antenna gain(dBi)-2.15

WCDMA Band 2**Conducted Output Power and PAR:**

Mode	3GPP Sub Test	Low Channel		Middle Channel		High Channel	
		Ave. Power (dBm)	PAR (dB)	Ave. Power (dBm)	PAR (dB)	Ave. Power (dBm)	PAR (dB)
Rel 99	1	21.71	2.93	21.99	2.81	22.04	2.81
HSDPA	1	21.99	3.07	20.48	3.48	20.04	3.86
	2	21.97	2.97	20.41	2.79	19.98	2.51
	3	21.91	3.15	20.38	3.26	19.95	2.98
	4	21.89	2.89	20.35	2.91	19.93	2.50
HSUPA	1	20.41	5.01	20.41	3.16	20.41	4.52
	2	20.37	4.77	20.38	3.79	20.37	4.19
	3	20.31	3.12	20.33	3.08	20.31	4.17
	4	20.22	4.15	20.31	4.13	20.29	4.25
	5	20.18	3.48	20.19	2.87	20.28	4.16
DC-HSDPA	1	20.41	4.15	20.65	4.11	20.41	4.04
	2	20.39	3.51	20.62	3.52	20.38	2.99
	3	20.37	3.49	20.59	2.77	20.35	3.30
	4	20.35	3.21	20.54	2.98	20.34	3.15
HSPA+ (16QAM)	1	20.31	4.13	20.51	2.97	20.32	3.48

EIRP:

Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
Low	21.99	-3.1	0.4	18.49	33.00
Middle	21.99	-3.1	0.4	18.49	33.00
High	22.04	-3.1	0.4	18.54	33.00

WCDMA Band 4**Conducted Output Power and PAR:**

Mode	3GPP Sub Test	Low Channel		Middle Channel		High Channel	
		Ave. Power (dBm)	PAR (dB)	Ave. Power (dBm)	PAR (dB)	Ave. Power (dBm)	PAR (dB)
Rel 99	1	20.82	2.75	20.04	2.90	20.41	2.52
HSDPA	1	19.78	3.83	19.85	3.68	19.82	2.96
	2	19.77	3.19	19.81	3.69	19.81	3.18
	3	19.75	3.84	19.79	3.18	19.77	3.11
	4	19.72	3.48	19.77	4.02	19.76	3.81
HSUPA	1	19.77	4.41	19.51	4.75	19.52	4.35
	2	19.73	3.18	19.49	4.15	19.51	4.31
	3	19.71	3.22	19.44	3.78	19.48	4.15
	4	19.68	3.84	19.41	3.84	19.44	3.84
	5	19.66	3.91	19.37	2.99	19.41	3.94
DC-HSDPA	1	19.81	3.18	19.35	2.48	19.49	2.94
	2	19.78	2.48	19.33	3.94	19.47	3.81
	3	19.77	4.05	19.31	4.05	19.44	3.19
	4	19.71	4.19	19.28	4.01	19.42	3.64
HSPA+ (16QAM)	1	19.74	3.77	19.24	3.18	19.45	3.84

EIRP:

Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
Low	20.82	-3.1	0.4	17.32	30.00
Middle	20.04	-3.1	0.4	16.54	30.00
High	20.41	-3.1	0.4	16.91	30.00

WCDMA Band 5**Conducted Output Power and PAR:**

Mode	3GPP Sub Test	Low Channel		Middle Channel		High Channel	
		Ave. Power (dBm)	PAR (dB)	Ave. Power (dBm)	PAR (dB)	Ave. Power (dBm)	PAR (dB)
Rel 99	1	22.45	2.93	22.43	2.99	21.91	3.04
HSDPA	1	21.62	3.94	21.42	4.03	21.29	3.07
	2	21.59	3.48	21.41	4.01	21.28	3.15
	3	21.58	3.94	21.39	2.99	21.25	4.01
	4	21.55	3.71	21.37	3.94	21.23	3.99
HSUPA	1	21.79	3.62	21.92	5.25	21.09	3.10
	2	21.77	4.15	21.91	4.11	21.03	3.45
	3	21.75	4.11	21.94	3.19	21.01	3.49
	4	21.68	3.91	21.88	4.59	20.99	3.19
	5	21.65	4.15	21.79	2.98	20.97	3.28
DC-HSDPA	1	21.71	3.33	21.78	3.11	20.94	2.84
	2	21.68	3.78	21.74	3.19	20.91	4.11
	3	21.64	3.91	21.72	2.97	20.89	3.78
	4	21.62	3.26	21.69	3.15	20.81	3.91
HSPA+ (16QAM)	1	21.73	3.18	21.59	2.97	20.77	3.56

ERP:

Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
Low	22.45	-4.35	0.2	17.9	38.45
Middle	22.43	-4.35	0.2	17.88	38.45
High	21.91	-4.35	0.2	17.36	38.45

LTE Band 2**Conducted Output Power:**

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4MHz	QPSK	RB1#0	23.77	23.71	23.30
		RB1#3	23.83	23.70	23.11
		RB1#5	23.80	23.72	22.80
		RB3#0	23.89	23.88	23.09
		RB3#3	23.91	23.86	22.87
		RB6#0	22.82	22.84	22.71
	16QAM	RB1#0	22.65	23.16	22.63
		RB1#3	22.66	23.22	22.71
		RB1#5	22.66	23.23	22.58
		RB3#0	22.91	22.76	22.86
		RB3#3	22.92	22.80	22.67
		RB6#0	22.09	21.97	21.85
3MHz	QPSK	RB1#0	23.69	23.74	23.79
		RB1#8	23.75	23.73	23.33
		RB1#14	23.74	23.74	22.80
		RB6#0	22.75	22.80	22.83
		RB6#9	22.71	22.82	22.75
		RB15#0	22.83	22.83	22.77
	16QAM	RB1#0	23.05	23.22	22.69
		RB1#8	23.03	23.20	22.63
		RB1#14	23.03	23.25	22.62
		RB6#0	22.06	22.00	22.07
		RB6#9	22.01	22.00	22.06
		RB15#0	21.92	21.88	21.88
5MHz	QPSK	RB1#0	23.74	23.72	23.83
		RB1#13	23.74	23.74	23.77
		RB1#24	23.74	23.77	22.68
		RB15#0	22.75	22.91	22.81
		RB15#10	22.80	22.84	22.69
		RB25#0	22.81	22.80	22.77
	16QAM	RB1#0	22.48	22.35	22.93
		RB1#13	22.46	22.31	22.97
		RB1#24	22.54	22.32	22.73
		RB15#0	21.90	21.94	21.83
		RB15#10	21.93	21.95	21.73
		RB25#0	21.76	22.02	21.88
10MHz	QPSK	RB1#0	23.74	23.70	23.77
		RB1#25	23.69	23.70	23.82
		RB1#49	23.73	23.80	23.22
		RB25#0	22.79	22.80	22.85
		RB25#25	22.82	22.97	22.76
		RB50#0	22.80	22.93	22.85
	16QAM	RB1#0	23.24	22.95	22.28
		RB1#25	23.19	22.98	22.32
		RB1#49	23.22	22.98	22.32
		RB25#0	21.88	22.00	21.93
		RB25#25	21.90	21.99	22.00
		RB50#0	21.86	21.93	21.89

15MHz	QPSK	RB1#0	23.69	23.68	23.70
		RB1#38	23.72	23.70	23.74
		RB1#74	23.74	23.79	23.09
		RB36#0	22.86	22.81	22.78
		RB36#39	22.83	22.89	22.78
		RB75#0	22.78	22.75	22.77
	16QAM	RB1#0	23.07	23.38	23.22
		RB1#38	23.01	23.41	23.15
		RB1#74	23.05	23.58	23.20
		RB36#0	22.00	21.81	21.83
		RB36#39	21.96	21.93	21.87
		RB75#0	22.02	21.95	21.87
20MHz	QPSK	RB1#0	23.95	23.75	23.86
		RB1#50	23.84	23.71	23.78
		RB1#99	23.92	23.91	23.51
		RB50#0	22.85	22.91	22.83
		RB50#50	22.81	22.83	22.87
		RB100#0	22.83	22.89	22.65
	16QAM	RB1#0	23.03	22.82	23.51
		RB1#50	22.96	22.86	23.39
		RB1#99	23.09	22.89	23.47
		RB50#0	21.99	21.94	21.83
		RB50#50	22.02	22.01	21.86
		RB100#0	21.97	21.98	21.87

PAR:

Test Modulation		Channel Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit (dB)
QPSK	1 RB	20 MHz	3.44	2.68	3.24	13
	100 RB		5.36	4.68	5.16	13
16QAM	1 RB	20 MHz	4.44	3.48	4.44	13
	100 RB		6.28	5.44	6.00	13

EIRP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.91	-3.1	0.4	20.41	33.00
		Middle	23.88	-3.1	0.4	20.38	33.00
		High	23.30	-3.1	0.4	19.8	33.00
	16QAM	Low	22.92	-3.1	0.4	19.42	33.00
		Middle	23.23	-3.1	0.4	19.73	33.00
		High	22.86	-3.1	0.4	19.36	33.00
3MHz	QPSK	Low	23.75	-3.1	0.4	20.25	33.00
		Middle	23.74	-3.1	0.4	20.24	33.00
		High	23.79	-3.1	0.4	20.29	33.00
	16QAM	Low	23.05	-3.1	0.4	19.55	33.00
		Middle	23.25	-3.1	0.4	19.75	33.00
		High	22.69	-3.1	0.4	19.19	33.00
5MHz	QPSK	Low	23.74	-3.1	0.4	20.24	33.00
		Middle	23.77	-3.1	0.4	20.27	33.00
		High	23.83	-3.1	0.4	20.33	33.00
	16QAM	Low	22.54	-3.1	0.4	19.04	33.00
		Middle	22.35	-3.1	0.4	18.85	33.00
		High	22.97	-3.1	0.4	19.47	33.00
10MHz	QPSK	Low	23.74	-3.1	0.4	20.24	33.00
		Middle	23.80	-3.1	0.4	20.3	33.00
		High	23.82	-3.1	0.4	20.32	33.00
	16QAM	Low	23.24	-3.1	0.4	19.74	33.00
		Middle	22.98	-3.1	0.4	19.48	33.00
		High	22.32	-3.1	0.4	18.82	33.00
15MHz	QPSK	Low	23.74	-3.1	0.4	20.24	33.00
		Middle	23.79	-3.1	0.4	20.29	33.00
		High	23.74	-3.1	0.4	20.24	33.00
	16QAM	Low	23.07	-3.1	0.4	19.57	33.00
		Middle	23.58	-3.1	0.4	20.08	33.00
		High	23.22	-3.1	0.4	19.72	33.00
20MHz	QPSK	Low	23.95	-3.1	0.4	20.45	33.00
		Middle	23.91	-3.1	0.4	20.41	33.00
		High	23.86	-3.1	0.4	20.36	33.00
	16QAM	Low	23.09	-3.1	0.4	19.59	33.00
		Middle	22.89	-3.1	0.4	19.39	33.00
		High	23.51	-3.1	0.4	20.01	33.00

LTE Band 4**Conducted Output Power:**

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4MHz	QPSK	RB1#0	23.80	23.71	23.90
		RB1#3	23.82	23.76	23.89
		RB1#5	23.80	23.67	23.92
		RB3#0	23.87	23.85	23.82
		RB3#3	23.86	23.87	23.82
		RB6#0	22.78	22.82	22.74
	16QAM	RB1#0	23.34	23.51	23.56
		RB1#3	23.38	23.51	23.57
		RB1#5	23.34	23.50	23.58
		RB3#0	22.89	22.69	22.97
		RB3#3	22.89	22.72	23.01
		RB6#0	21.98	21.93	21.82
3MHz	QPSK	RB1#0	23.66	23.67	24.01
		RB1#8	23.74	23.72	23.96
		RB1#14	23.67	23.72	24.02
		RB6#0	22.72	22.77	22.69
		RB6#9	22.70	22.71	22.81
		RB15#0	22.89	22.75	22.84
	16QAM	RB1#0	23.19	23.54	23.01
		RB1#8	23.20	23.47	22.98
		RB1#14	23.19	23.51	23.00
		RB6#0	21.79	21.94	22.09
		RB6#9	21.87	21.94	22.09
		RB15#0	21.97	21.89	21.93
5MHz	QPSK	RB1#0	23.74	23.84	23.72
		RB1#13	23.74	23.85	23.68
		RB1#24	23.76	23.91	23.76
		RB15#0	22.90	22.77	22.90
		RB15#10	22.83	22.77	22.85
		RB25#0	22.81	22.75	22.82
	16QAM	RB1#0	22.25	22.92	22.51
		RB1#13	22.27	22.97	22.51
		RB1#24	22.26	23.00	22.58
		RB15#0	21.99	21.78	21.91
		RB15#10	21.97	21.73	21.93
		RB25#0	22.05	21.90	21.78
10MHz	QPSK	RB1#0	23.72	23.79	23.96
		RB1#25	23.72	23.77	23.90
		RB1#49	23.77	23.79	23.95
		RB25#0	22.83	22.68	22.85
		RB25#25	22.81	22.67	22.77
		RB50#0	22.90	22.68	22.84
	16QAM	RB1#0	23.10	22.92	22.36
		RB1#25	23.09	22.93	22.44
		RB1#49	23.07	22.92	22.45
		RB25#0	21.98	21.99	21.98
		RB25#25	21.95	21.96	21.99
		RB50#0	21.95	21.95	21.93

15MHz	QPSK	RB1#0	23.75	23.80	23.68
		RB1#38	23.81	23.73	23.67
		RB1#74	23.78	23.78	23.74
		RB36#0	22.86	22.75	22.71
		RB36#39	22.81	22.80	22.74
		RB75#0	22.80	22.83	22.77
	16QAM	RB1#0	23.11	23.08	23.08
		RB1#38	23.12	22.90	23.11
		RB1#74	23.07	22.96	23.21
		RB36#0	22.02	22.01	21.85
		RB36#39	21.94	21.99	21.87
		RB75#0	22.06	23.00	21.86
20MHz	QPSK	RB1#0	23.86	23.77	23.85
		RB1#50	23.84	23.70	23.85
		RB1#99	23.84	23.76	23.90
		RB50#0	22.72	22.78	22.70
		RB50#50	22.79	22.84	22.78
		RB100#0	22.84	22.77	22.72
	16QAM	RB1#0	22.99	23.25	23.42
		RB1#50	22.96	23.21	23.37
		RB1#99	22.90	23.27	23.43
		RB50#0	21.95	22.01	21.93
		RB50#50	21.93	22.03	21.88
		RB100#0	21.86	21.85	21.90

PAR, Band 4

Test Modulation		Channel Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit (dB)
QPSK	1 RB	20 MHz	2.80	4.56	3.96	13
	100 RB		4.96	5.40	5.08	13
16QAM	1 RB	20 MHz	3.88	5.48	5.08	13
	100 RB		5.76	6.32	5.92	13

EIRP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.87	-3.1	0.4	20.37	30
		Middle	23.87	-3.1	0.4	20.37	30
		High	23.92	-3.1	0.4	20.42	30
	16QAM	Low	23.38	-3.1	0.4	19.88	30
		Middle	23.51	-3.1	0.4	20.01	30
		High	23.58	-3.1	0.4	20.08	30
3MHz	QPSK	Low	23.74	-3.1	0.4	20.24	30
		Middle	23.72	-3.1	0.4	20.22	30
		High	24.02	-3.1	0.4	20.52	30
	16QAM	Low	23.20	-3.1	0.4	19.7	30
		Middle	23.54	-3.1	0.4	20.04	30
		High	23.01	-3.1	0.4	19.51	30
5MHz	QPSK	Low	23.76	-3.1	0.4	20.26	30
		Middle	23.91	-3.1	0.4	20.41	30
		High	23.76	-3.1	0.4	20.26	30
	16QAM	Low	22.27	-3.1	0.4	18.77	30
		Middle	23.00	-3.1	0.4	19.5	30
		High	22.58	-3.1	0.4	19.08	30
10MHz	QPSK	Low	23.77	-3.1	0.4	20.27	30
		Middle	23.79	-3.1	0.4	20.29	30
		High	23.96	-3.1	0.4	20.46	30
	16QAM	Low	23.10	-3.1	0.4	19.6	30
		Middle	22.93	-3.1	0.4	19.43	30
		High	22.45	-3.1	0.4	18.95	30
15MHz	QPSK	Low	23.81	-3.1	0.4	20.31	30
		Middle	23.80	-3.1	0.4	20.3	30
		High	23.74	-3.1	0.4	20.24	30
	16QAM	Low	23.12	-3.1	0.4	19.62	30
		Middle	23.08	-3.1	0.4	19.58	30
		High	23.21	-3.1	0.4	19.71	30
20MHz	QPSK	Low	23.86	-3.1	0.4	20.36	30
		Middle	23.77	-3.1	0.4	20.27	30
		High	23.90	-3.1	0.4	20.4	30
	16QAM	Low	22.99	-3.1	0.4	19.49	30
		Middle	23.27	-3.1	0.4	19.77	30
		High	23.43	-3.1	0.4	19.93	30

LTE Band 5

Conducted Output Power:

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4MHz	QPSK	RB1#0	23.69	23.58	23.65
		RB1#3	23.70	23.64	23.67
		RB1#5	23.64	23.66	23.61
		RB3#0	23.70	23.83	23.71
		RB3#3	23.66	23.82	23.67
		RB6#0	22.69	22.70	22.53
	16QAM	RB1#0	22.77	23.42	22.51
		RB1#3	22.79	23.37	22.39
		RB1#5	22.73	23.27	22.42
		RB3#0	22.61	22.59	22.76
		RB3#3	22.55	22.59	22.66
		RB6#0	21.70	21.79	21.82
3MHz	QPSK	RB1#0	23.55	23.65	23.75
		RB1#8	23.53	23.66	23.73
		RB1#14	23.67	23.68	23.74
		RB6#0	22.69	22.73	22.63
		RB6#9	22.57	22.65	22.56
		RB15#0	22.62	22.61	22.65
	16QAM	RB1#0	22.79	23.37	22.37
		RB1#8	22.79	23.31	22.34
		RB1#14	22.68	23.39	22.22
		RB6#0	21.77	21.78	21.98
		RB6#9	21.88	21.86	21.90
		RB15#0	21.75	21.85	21.73
5MHz	QPSK	RB1#0	23.59	23.79	23.55
		RB1#13	23.60	23.71	23.58
		RB1#24	23.65	23.81	23.62
		RB15#0	22.69	22.82	22.64
		RB15#10	22.60	22.64	22.58
		RB25#0	22.56	22.65	22.61
	16QAM	RB1#0	21.88	22.82	22.30
		RB1#13	21.90	22.83	22.27
		RB1#24	22.00	22.79	22.32
		RB15#0	21.74	21.70	21.80
		RB15#10	21.87	21.70	21.81
		RB25#0	21.85	21.90	21.58
10MHz	QPSK	RB1#0	23.61	23.65	23.75
		RB1#25	23.68	23.75	23.64
		RB1#49	23.60	23.72	23.66
		RB25#0	22.66	22.73	22.71
		RB25#25	22.59	22.69	22.63
		RB50#0	22.81	22.65	22.61
	16QAM	RB1#0	22.99	22.74	22.20
		RB1#25	23.04	22.83	22.24
		RB1#49	23.07	22.90	22.22
		RB25#0	21.80	21.85	21.80
		RB25#25	21.90	21.89	21.86
		RB50#0	21.81	21.81	21.66

PAR:

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	10 MHz	4.44	5.52	5.28	13
	50 RB		5.44	5.60	5.44	13
16QAM	1 RB	10 MHz	5.36	6.68	6.32	13
	50 RB		6.20	6.44	6.36	13

ERP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.70	-4.35	0.2	19.15	38.45
		Middle	23.83	-4.35	0.2	19.28	38.45
		High	23.71	-4.35	0.2	19.16	38.45
	16QAM	Low	22.79	-4.35	0.2	18.24	38.45
		Middle	23.42	-4.35	0.2	18.87	38.45
		High	22.76	-4.35	0.2	18.21	38.45
3MHz	QPSK	Low	23.67	-4.35	0.2	19.12	38.45
		Middle	23.68	-4.35	0.2	19.13	38.45
		High	23.75	-4.35	0.2	19.2	38.45
	16QAM	Low	22.79	-4.35	0.2	18.24	38.45
		Middle	23.39	-4.35	0.2	18.84	38.45
		High	22.37	-4.35	0.2	17.82	38.45
5MHz	QPSK	Low	23.65	-4.35	0.2	19.1	38.45
		Middle	23.81	-4.35	0.2	19.26	38.45
		High	23.62	-4.35	0.2	19.07	38.45
	16QAM	Low	22.00	-4.35	0.2	17.45	38.45
		Middle	22.83	-4.35	0.2	18.28	38.45
		High	22.32	-4.35	0.2	17.77	38.45
10MHz	QPSK	Low	23.68	-4.35	0.2	19.13	38.45
		Middle	23.75	-4.35	0.2	19.2	38.45
		High	23.75	-4.35	0.2	19.2	38.45
	16QAM	Low	23.07	-4.35	0.2	18.52	38.45
		Middle	22.90	-4.35	0.2	18.35	38.45
		High	22.24	-4.35	0.2	17.69	38.45

LTE Band 12**Conducted Output Power:**

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4MHz	QPSK	RB1#0	23.64	23.43	23.65
		RB1#3	23.65	23.47	23.54
		RB1#5	23.68	23.48	23.54
		RB3#0	23.70	23.61	23.70
		RB3#3	23.63	23.69	23.64
		RB6#0	22.60	22.67	22.72
	16QAM	RB1#0	22.94	23.10	22.93
		RB1#3	22.93	23.27	23.20
		RB1#5	23.02	23.30	23.15
		RB3#0	22.65	22.58	22.55
		RB3#3	22.60	22.54	22.78
		RB6#0	21.79	21.71	21.95
3MHz	QPSK	RB1#0	23.66	23.43	23.62
		RB1#8	23.72	23.51	23.58
		RB1#14	23.62	23.52	23.65
		RB6#0	22.59	22.43	22.56
		RB6#9	22.51	22.61	22.77
		RB15#0	22.62	22.64	22.59
	16QAM	RB1#0	22.81	23.19	22.23
		RB1#8	22.89	23.32	22.12
		RB1#14	22.78	23.20	22.45
		RB6#0	21.60	21.70	21.81
		RB6#9	21.69	21.62	21.98
		RB15#0	21.69	21.78	21.56
5MHz	QPSK	RB1#0	23.64	23.54	23.57
		RB1#13	23.69	23.59	23.53
		RB1#24	23.60	23.67	23.54
		RB15#0	22.58	22.49	22.58
		RB15#10	22.51	22.66	22.47
		RB25#0	22.51	22.56	22.54
	16QAM	RB1#0	21.84	22.60	22.20
		RB1#13	21.63	22.68	22.24
		RB1#24	21.74	22.66	22.45
		RB15#0	21.70	21.58	21.60
		RB15#10	21.77	21.62	21.64
		RB25#0	21.82	21.66	21.43
10MHz	QPSK	RB1#0	23.58	23.47	23.62
		RB1#25	23.48	23.50	23.74
		RB1#49	23.56	23.60	23.72
		RB25#0	22.46	22.47	22.49
		RB25#25	22.56	22.60	22.64
		RB50#0	22.51	22.53	22.64
	16QAM	RB1#0	22.67	22.57	22.00
		RB1#25	22.53	22.75	22.23
		RB1#49	22.75	22.83	22.33
		RB25#0	21.71	21.77	21.74
		RB25#25	21.77	21.65	21.65
		RB50#0	21.72	21.74	21.61

PAR:

Test Modulation		Channel Bandwidth	Low Channel (dB)	Middle Channel (dB)	High Channel (dB)	Limit (dB)
QPSK	1 RB	10 MHz	3.84	5.16	5.20	13
	50 RB		5.56	5.72	5.04	13
16QAM	1 RB	10 MHz	4.80	6.12	5.96	13
	50 RB		6.40	6.52	6.12	13

ERP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.70	-4.35	0.2	19.15	34.77
		Middle	23.69	-4.35	0.2	19.14	34.77
		High	23.70	-4.35	0.2	19.15	34.77
	16QAM	Low	23.02	-4.35	0.2	18.47	34.77
		Middle	23.30	-4.35	0.2	18.75	34.77
		High	23.20	-4.35	0.2	18.65	34.77
3MHz	QPSK	Low	23.72	-4.35	0.2	19.17	34.77
		Middle	23.52	-4.35	0.2	18.97	34.77
		High	23.65	-4.35	0.2	19.1	34.77
	16QAM	Low	22.89	-4.35	0.2	18.34	34.77
		Middle	23.32	-4.35	0.2	18.77	34.77
		High	22.45	-4.35	0.2	17.9	34.77
5MHz	QPSK	Low	23.69	-4.35	0.2	19.14	34.77
		Middle	23.67	-4.35	0.2	19.12	34.77
		High	23.57	-4.35	0.2	19.02	34.77
	16QAM	Low	21.84	-4.35	0.2	17.29	34.77
		Middle	22.68	-4.35	0.2	18.13	34.77
		High	22.45	-4.35	0.2	17.9	34.77
10MHz	QPSK	Low	23.58	-4.35	0.2	19.03	34.77
		Middle	23.60	-4.35	0.2	19.05	34.77
		High	23.74	-4.35	0.2	19.19	34.77
	16QAM	Low	22.75	-4.35	0.2	18.2	34.77
		Middle	22.83	-4.35	0.2	18.28	34.77
		High	22.33	-4.35	0.2	17.78	34.77

LTE Band 17**Conducted Output Power:**

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
5 MHz	QPSK	RB1#0	23.61	23.52	23.56
		RB1#13	23.58	23.68	23.53
		RB1#24	23.63	23.67	23.46
		RB15#0	22.57	22.59	22.53
		RB15#10	22.62	22.59	22.53
		RB25#0	22.51	22.61	22.59
	16QAM	RB1#0	21.73	22.58	22.13
		RB1#13	21.73	22.61	22.22
		RB1#24	21.98	22.60	22.42
		RB15#0	21.77	21.46	21.61
		RB15#10	21.75	21.53	21.62
		RB25#0	21.76	21.60	21.45
10 MHz	QPSK	RB1#0	23.40	23.42	23.67
		RB1#25	23.45	23.57	23.76
		RB1#49	23.56	23.64	23.73
		RB25#0	22.52	22.44	22.49
		RB25#25	22.56	22.65	22.60
		RB50#0	22.59	22.58	22.54
	16QAM	RB1#0	22.45	22.61	22.03
		RB1#25	22.64	22.80	22.23
		RB1#49	22.65	22.68	22.31
		RB25#0	21.67	21.73	21.83
		RB25#25	21.58	21.64	21.60
		RB50#0	21.74	21.59	21.57

PAR:

Test Modulation		Channel Bandwidth	Low Channel(dB)	Middle Channel(dB)	High Channel(dB)	Limit (dB)
QPSK	1 RB	10 MHz	5.64	5.52	4.88	13
	50 RB		5.48	5.20	5.04	13
16QAM	1 RB	10 MHz	7.00	6.40	5.96	13
	50 RB		6.48	6.32	6.16	13

ERP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
5MHz	QPSK	Low	23.63	-4.35	0.2	19.08	34.77
		Middle	23.68	-4.35	0.2	19.13	34.77
		High	23.56	-4.35	0.2	19.01	34.77
	16QAM	Low	21.98	-4.35	0.2	17.43	34.77
		Middle	22.61	-4.35	0.2	18.06	34.77
		High	22.42	-4.35	0.2	17.87	34.77
10MHz	QPSK	Low	23.56	-4.35	0.2	19.01	34.77
		Middle	23.64	-4.35	0.2	19.09	34.77
		High	23.76	-4.35	0.2	19.21	34.77
	16QAM	Low	22.65	-4.35	0.2	18.1	34.77
		Middle	22.80	-4.35	0.2	18.25	34.77
		High	22.31	-4.35	0.2	17.76	34.77

LTE Band 66**Conducted Output Power:**

Channel Bandwidth	Modulation	Resource Block & RB offset	Low Channel (dBm)	Middle Channel (dBm)	High Channel (dBm)
1.4MHz	QPSK	RB1#0	23.45	23.74	23.67
		RB1#3	23.43	23.74	23.76
		RB1#5	23.49	23.79	23.68
		RB3#0	23.65	23.67	23.83
		RB3#3	23.68	23.66	23.80
		RB6#0	22.67	22.61	22.80
	16QAM	RB1#0	23.22	23.48	23.53
		RB1#3	23.21	23.51	23.52
		RB1#5	23.20	23.48	23.53
		RB3#0	22.54	22.88	22.75
		RB3#3	22.55	22.91	22.75
		RB6#0	21.77	21.76	21.98
3MHz	QPSK	RB1#0	23.48	23.46	23.81
		RB1#8	23.47	23.53	23.77
		RB1#14	23.45	23.54	23.81
		RB6#0	22.61	22.74	22.82
		RB6#9	22.57	22.69	22.77
		RB15#0	22.67	22.71	22.76
	16QAM	RB1#0	23.00	23.38	22.64
		RB1#8	23.00	23.34	22.63
		RB1#14	22.98	23.33	22.65
		RB6#0	21.67	21.78	22.13
		RB6#9	21.69	21.81	22.11
		RB15#0	21.83	21.91	21.93
5MHz	QPSK	RB1#0	23.56	23.79	23.72
		RB1#13	23.51	23.74	23.72
		RB1#24	23.57	23.79	23.75
		RB15#0	22.63	22.65	22.85
		RB15#10	22.66	22.72	22.76
		RB25#0	22.64	22.65	22.74
	16QAM	RB1#0	22.06	22.86	22.46
		RB1#13	21.98	22.89	22.48
		RB1#24	22.05	22.88	22.54
		RB15#0	21.83	21.76	21.91
		RB15#10	21.82	21.69	21.94
		RB25#0	21.91	21.81	21.75
10MHz	QPSK	RB1#0	23.52	23.60	23.79
		RB1#25	23.49	23.54	23.82
		RB1#49	23.62	23.54	23.80
		RB25#0	22.60	22.67	22.79
		RB25#25	22.64	22.63	22.72
		RB50#0	22.65	22.65	22.77
	16QAM	RB1#0	22.90	23.26	22.23
		RB1#25	22.84	23.26	22.31
		RB1#49	22.90	23.22	22.32
		RB25#0	21.76	21.86	22.04
		RB25#25	21.84	21.84	22.02
		RB50#0	21.81	21.91	21.89

15MHz	QPSK	RB1#0	23.45	23.64	23.69
		RB1#38	23.52	23.61	23.75
		RB1#74	23.63	23.62	23.78
		RB36#0	22.67	22.70	22.80
		RB36#39	22.70	22.56	22.74
		RB75#0	22.69	22.59	22.82
	16QAM	RB1#0	23.00	23.32	23.14
		RB1#38	23.06	23.28	23.20
		RB1#74	23.13	23.24	23.26
		RB36#0	21.71	21.83	21.93
		RB36#39	21.84	21.84	21.95
		RB75#0	21.74	21.82	21.95
20MHz	QPSK	RB1#0	23.57	24.01	23.55
		RB1#50	23.64	23.94	23.68
		RB1#99	23.75	24.03	23.86
		RB50#0	22.75	22.60	22.85
		RB50#50	22.75	22.65	22.80
		RB100#0	22.63	22.71	22.82
	16QAM	RB1#0	23.27	22.22	23.07
		RB1#50	23.40	22.33	23.17
		RB1#99	23.48	22.69	23.26
		RB50#0	21.89	21.92	22.05
		RB50#50	21.89	22.04	22.14
		RB100#0	21.88	21.82	22.01

PAR, Band 66

Test Modulation		Channel Bandwidth	Low Channel PAR (dB)	Middle Channel PAR (dB)	High Channel PAR (dB)	Limit (dB)
QPSK	1 RB	10 MHz	3.04	4.44	3.28	13
	50 RB		4.96	5.28	5.28	13
16QAM	1 RB	10 MHz	3.80	5.48	4.20	13
	50 RB		5.76	6.16	6.12	13

EIRP:

Channel Bandwidth	Modulation	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Result (dBm)	Limit (dBm)
1.4MHz	QPSK	Low	23.68	-3.1	0.4	20.18	30
		Middle	23.79	-3.1	0.4	20.29	30
		High	23.83	-3.1	0.4	20.33	30
	16QAM	Low	23.22	-3.1	0.4	19.72	30
		Middle	23.51	-3.1	0.4	20.01	30
		High	23.53	-3.1	0.4	20.03	30
3MHz	QPSK	Low	23.48	-3.1	0.4	19.98	30
		Middle	23.54	-3.1	0.4	20.04	30
		High	23.81	-3.1	0.4	20.31	30
	16QAM	Low	23.00	-3.1	0.4	19.5	30
		Middle	23.38	-3.1	0.4	19.88	30
		High	22.65	-3.1	0.4	19.15	30
5MHz	QPSK	Low	23.57	-3.1	0.4	20.07	30
		Middle	23.79	-3.1	0.4	20.29	30
		High	23.75	-3.1	0.4	20.25	30
	16QAM	Low	22.06	-3.1	0.4	18.56	30
		Middle	22.89	-3.1	0.4	19.39	30
		High	22.54	-3.1	0.4	19.04	30
10MHz	QPSK	Low	23.62	-3.1	0.4	20.12	30
		Middle	23.60	-3.1	0.4	20.1	30
		High	23.82	-3.1	0.4	20.32	30
	16QAM	Low	22.90	-3.1	0.4	19.4	30
		Middle	23.26	-3.1	0.4	19.76	30
		High	22.32	-3.1	0.4	18.82	30
15MHz	QPSK	Low	23.63	-3.1	0.4	20.13	30
		Middle	23.64	-3.1	0.4	20.14	30
		High	23.78	-3.1	0.4	20.28	30
	16QAM	Low	23.13	-3.1	0.4	19.63	30
		Middle	23.32	-3.1	0.4	19.82	30
		High	23.26	-3.1	0.4	19.76	30
20MHz	QPSK	Low	23.75	-3.1	0.4	20.25	30
		Middle	24.03	-3.1	0.4	20.53	30
		High	23.86	-3.1	0.4	20.36	30
	16QAM	Low	23.48	-3.1	0.4	19.98	30
		Middle	22.69	-3.1	0.4	19.19	30
		High	23.26	-3.1	0.4	19.76	30

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Result = Conducted Power - Cable loss + Antenna Gain
- 3) Antenna gain(dBd)= Antenna gain(dBi)-2.15

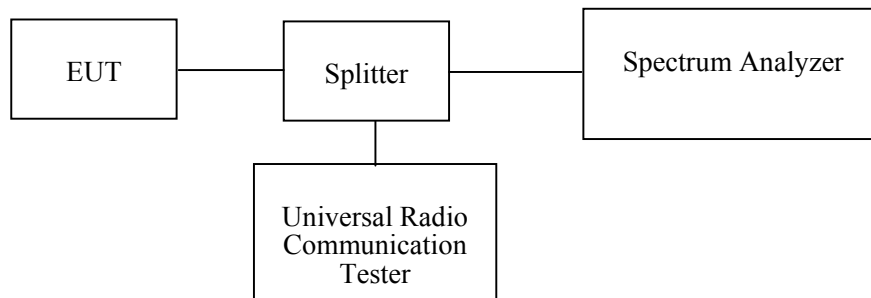
FCC §2.1049, §22.917, §22.905 & §24.238 & §27.53- OCCUPIED BANDWIDTH**Applicable Standard**

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

Test Procedure

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

The 26 dB & 99% bandwidth was recorded.

**Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2020-01-09	2021-01-09
R&S	Spectrum Analyzer	FSU 26	200256	2020-01-04	2021-01-04
Unknown	Coaxial Cable	C-SJ00-0010	C0010/04	Each time	N/A
E-Microwave	Blocking Control	EMDCB-00036	0E01201048	Each time	N/A
E-Microwave	Coaxial Attenuators	EMCA10-5RN-6	OE01203239	Each time	N/A
E-Microwave	Two-way Splitter	ODP-1-6-2S	OE0120142	Each time	N/A

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data**Environmental Conditions**

Temperature:	24.5~27.9 °C
Relative Humidity:	45~58%
ATM Pressure:	100.8~101.2kPa
Tester:	Chris Mo,Billy Li
Test Date:	2020-10-17~2020-10-20

Test Mode: Transmitting

Test Result: Compliance. Please refer to the following table and plots.

GSM&EDGE:

Band	Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
		Low Channel	Middle Channel	High Channel	Low Channel	Middle Channel	High Channel
Cellular	GSM	0.244	0.244	0.244	0.312	0.313	0.315
	EDGE	0.250	0.251	0.251	0.316	0.321	0.311
PCS	GSM	0.248	0.244	0.244	0.313	0.311	0.309
	EDGE	0.248	0.253	0.257	0.312	0.332	0.333

WCDMA:

Band	Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
		Low Channel	Middle Channel	High Channel	Low Channel	Middle Channel	High Channel
PCS	Rel 99	4.168	4.168	4.153	4.718	4.732	4.718
	HSDPA	4.153	4.153	4.153	4.718	4.718	4.718
	HSUPA	4.139	4.153	4.153	4.718	4.732	4.718
AWS	Rel 99	4.168	4.168	4.168	4.718	4.732	4.761
	HSDPA	4.153	4.168	4.168	4.718	4.718	4.732
	HSUPA	4.168	4.153	4.168	4.718	4.732	4.732
Cellular	Rel 99	4.168	4.168	4.139	4.732	4.732	4.732
	HSDPA	4.168	4.168	4.139	4.703	4.718	4.718
	HSUPA	4.153	4.153	4.124	4.718	4.718	4.703

LTE Bands:

Band	Bandwidth (MHz)	Modulation mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
			Low Channel	Middle Channel	High Channel	Low Channel	Middle Channel	High Channel
LTE Band 2	1.4 MHz	QPSK	1.110	1.110	1.106	1.363	1.356	1.329
		16QAM	1.110	1.098	1.115	1.308	1.266	1.286
	3 MHz	QPSK	2.712	2.712	2.712	3.026	3.012	3.023
		16QAM	2.700	2.700	2.692	3.028	3.048	3.052
	5 MHz	QPSK	4.560	4.560	4.540	5.417	5.380	5.315
		16QAM	4.560	4.560	4.560	5.410	5.432	5.423
	10 MHz	QPSK	8.960	8.960	8.960	9.906	9.800	10.007
		16QAM	8.960	8.960	8.960	9.853	9.760	9.894
	15 MHz	QPSK	13.620	13.560	13.500	15.775	15.240	15.568
		16QAM	13.620	13.560	13.620	15.427	15.120	15.479
	20 MHz	QPSK	18.080	18.000	18.000	20.121	19.680	20.256
		16QAM	18.080	18.000	18.080	20.082	19.760	20.106
LTE Band 4	1.4 MHz	QPSK	1.106	1.104	1.106	1.293	1.284	1.289
		16QAM	1.115	1.110	1.115	1.279	1.278	1.294
	3 MHz	QPSK	2.702	2.712	2.702	3.021	3.000	3.017
		16QAM	2.702	2.700	2.702	3.038	3.036	3.056
	5 MHz	QPSK	4.560	4.560	4.560	5.453	5.380	5.501
		16QAM	4.560	4.520	4.540	5.380	5.140	5.398
	10 MHz	QPSK	8.960	8.960	9.000	10.023	9.840	10.087
		16QAM	9.000	8.960	8.960	9.823	9.840	9.868
	15 MHz	QPSK	13.680	13.560	13.560	15.652	15.420	15.573
		16QAM	13.560	13.560	13.620	15.427	15.240	15.544
	20 MHz	QPSK	18.000	18.000	18.080	20.151	20.000	20.097
		16QAM	18.080	18.000	18.080	20.274	19.680	20.055

Band	Bandwidth (MHz)	Modulation mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
			Low Channel	Middle Channel	High Channel	Low Channel	Middle Channel	High Channel
LTE Band 5	1.4 MHz	QPSK	1.111	1.104	1.111	1.389	1.290	1.304
		16QAM	1.101	1.110	1.115	1.351	1.260	1.270
	3 MHz	QPSK	2.702	2.700	2.702	3.027	3.012	3.017
		16QAM	2.702	2.688	2.702	3.027	3.024	3.037
	5 MHz	QPSK	4.560	4.540	4.540	5.458	5.360	5.412
		16QAM	4.540	4.520	4.540	5.424	5.260	5.338
LTE Band 12	1.4 MHz	QPSK	1.111	1.104	1.111	1.356	1.308	1.316
		16QAM	1.115	1.116	1.115	1.279	1.278	1.288
	3 MHz	QPSK	2.712	2.712	2.712	2.981	3.060	3.056
		16QAM	2.702	2.712	2.712	3.048	3.024	3.046
	5 MHz	QPSK	4.580	4.560	4.600	5.602	5.740	5.672
		16QAM	4.540	4.580	4.580	5.438	5.993	5.535
LTE Band 17	10 MHz	QPSK	9.080	8.920	8.880	10.178	9.560	9.608
		16QAM	9.040	8.960	8.880	10.150	9.520	9.632
	5 MHz	QPSK	4.560	4.500	4.600	5.572	5.060	5.717
		16QAM	4.580	4.480	4.580	5.572	5.040	5.817
	10 MHz	QPSK	8.880	8.840	8.920	9.601	9.560	9.577
		16QAM	8.880	8.880	8.880	9.642	9.480	9.617
LTE Band 66	1.4 MHz	QPSK	1.106	1.110	1.106	1.297	1.322	1.289
		16QAM	1.111	1.116	1.111	1.273	1.278	1.294
	3 MHz	QPSK	2.702	2.712	2.702	3.016	3.024	3.017
		16QAM	2.702	2.700	2.702	3.016	3.060	3.017
	5 MHz	QPSK	4.560	4.520	4.560	5.449	5.280	5.306
		16QAM	4.540	4.540	4.560	5.411	5.280	5.380
	10 MHz	QPSK	9.000	8.960	8.960	9.971	9.800	9.933
		16QAM	8.960	8.960	8.960	9.859	9.920	9.830
	15 MHz	QPSK	13.560	13.560	13.620	15.827	15.540	15.990
		16QAM	13.560	13.560	13.560	15.225	15.120	15.317
	20 MHz	QPSK	18.080	18.080	18.080	20.080	20.240	20.190
		16QAM	18.080	18.000	18.080	20.329	19.680	20.173

Cellular 850 Band, GSM, Low Channel



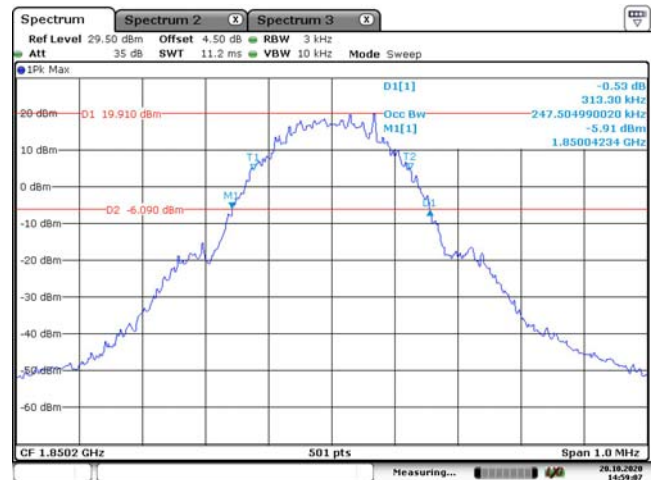
Cellular 850 Band, GSM, Middle Channel



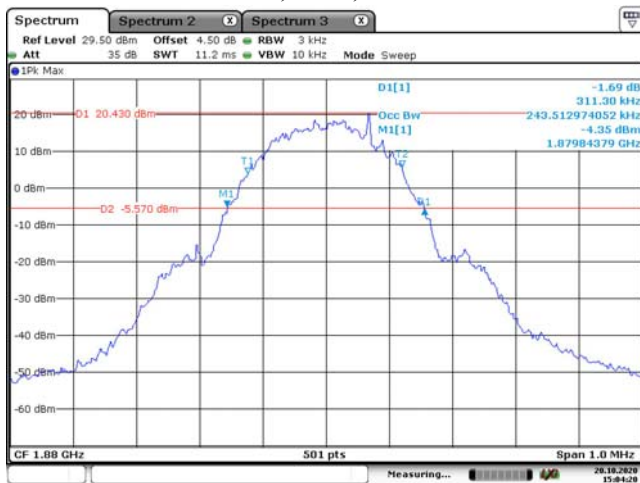
Cellular 850 Band, GSM, High Channel



PCS 1900 Band, GSM, Low Channel



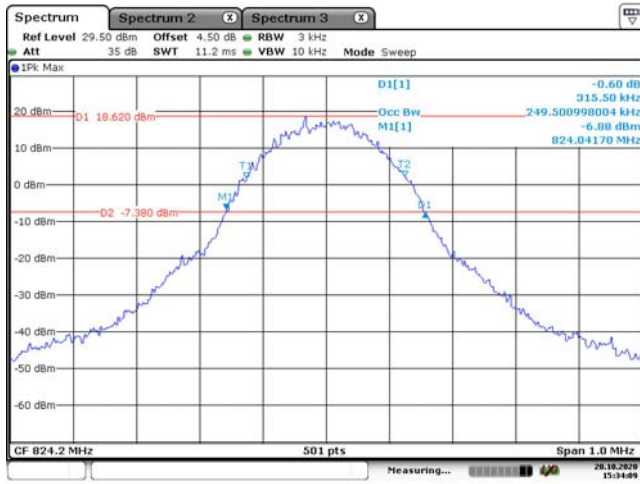
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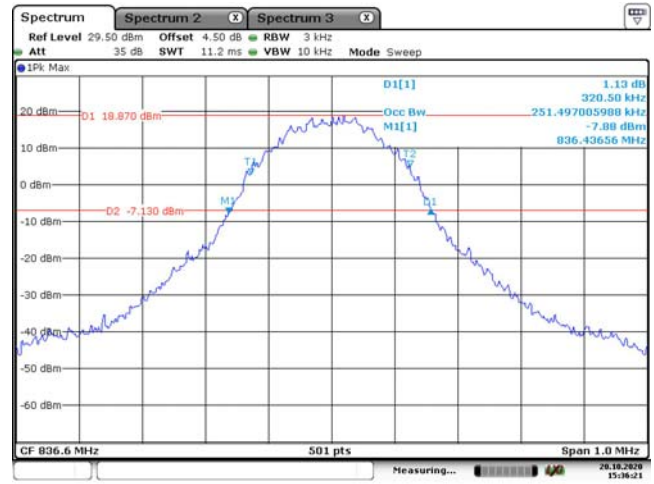
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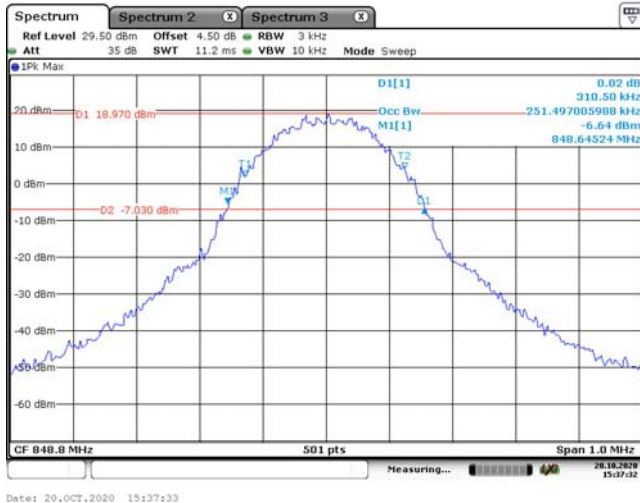
Cellular 850 Band, EDGE, Low Channel



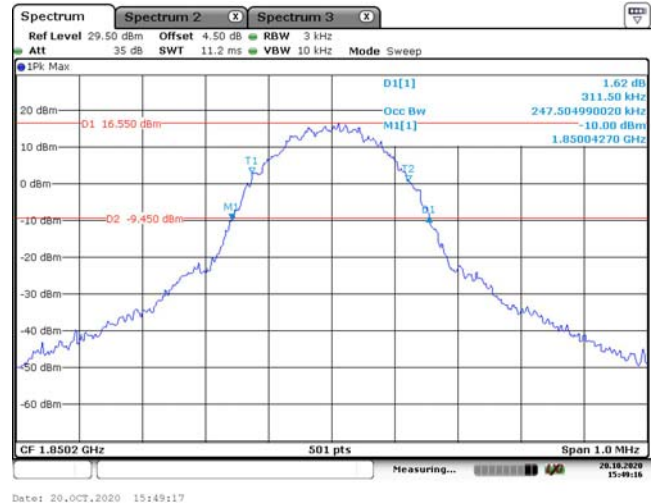
Cellular 850 Band, EDGE, Middle Channel



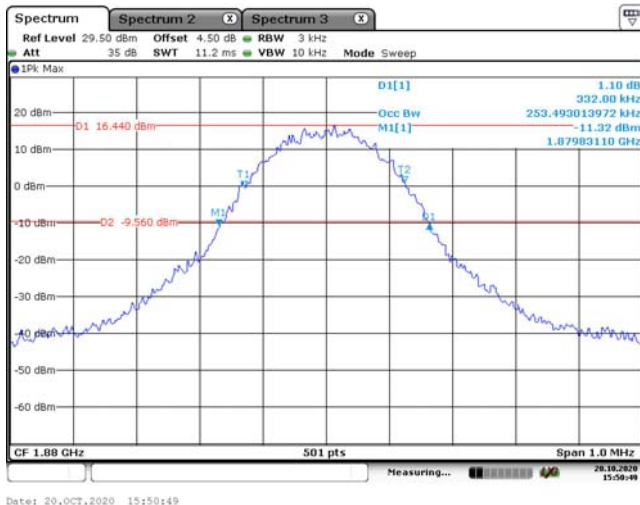
Cellular 850 Band, EDGE, High Channel



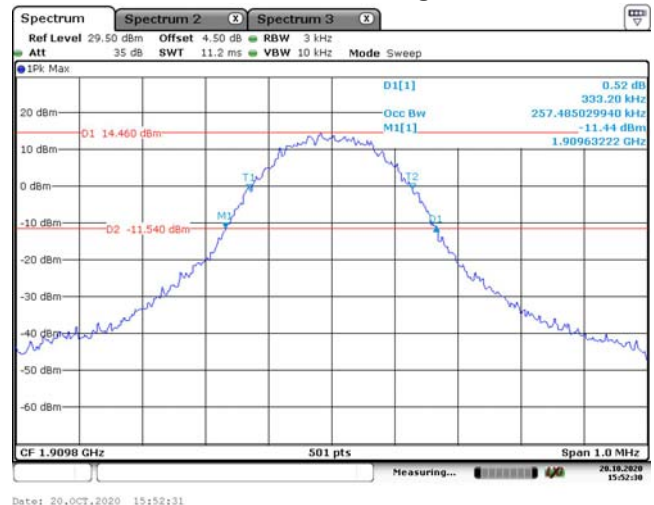
PCS 1900 Band, EDGE, Low Channel



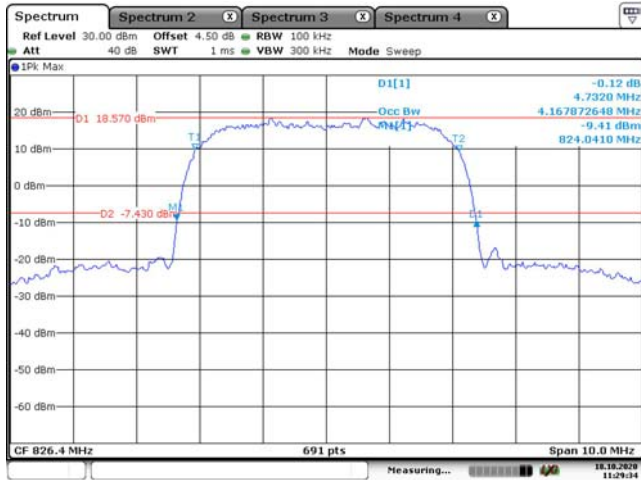
PCS 1900 Band, EDGE, Middle Channel



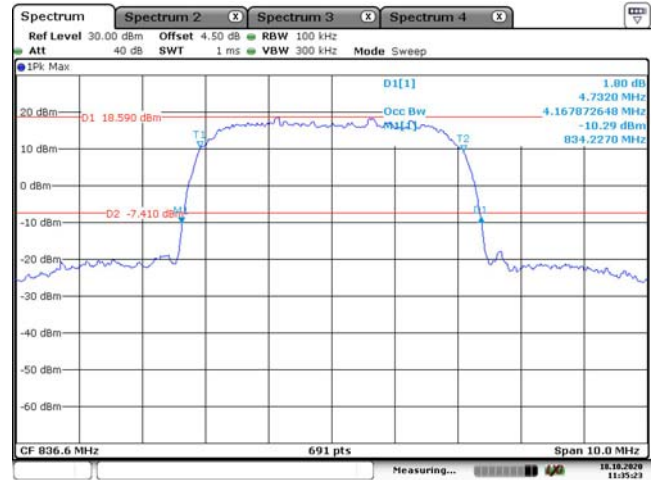
PCS 1900 Band, EDGE, High Channel



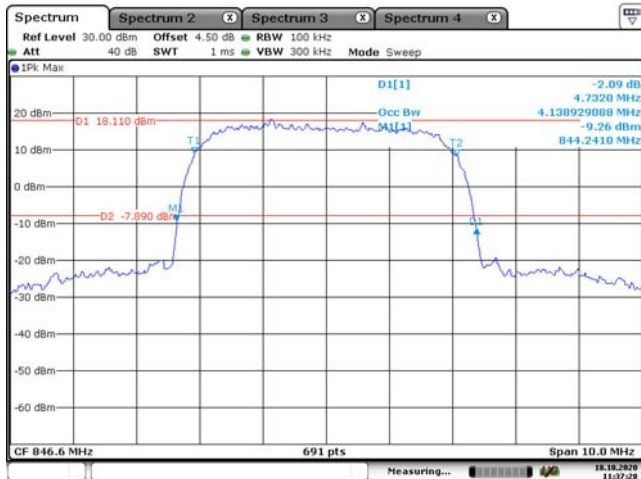
WCDMA Band V, Rel99, Low Channel



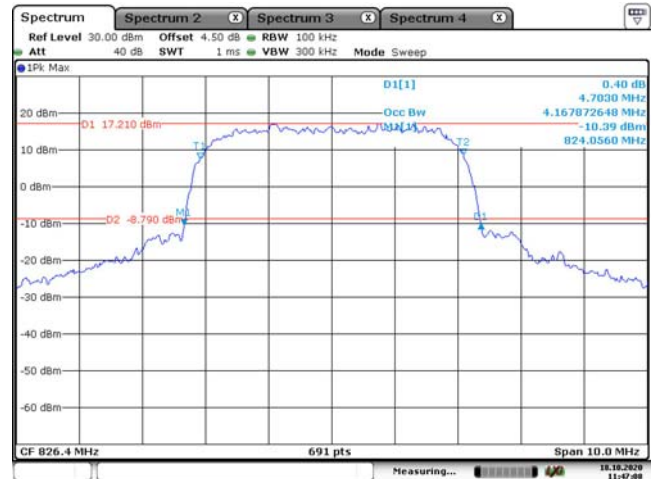
WCDMA Band V, Rel99, Middle Channel



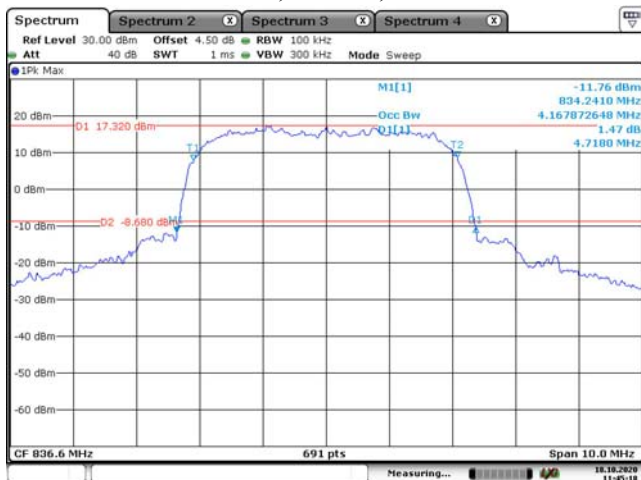
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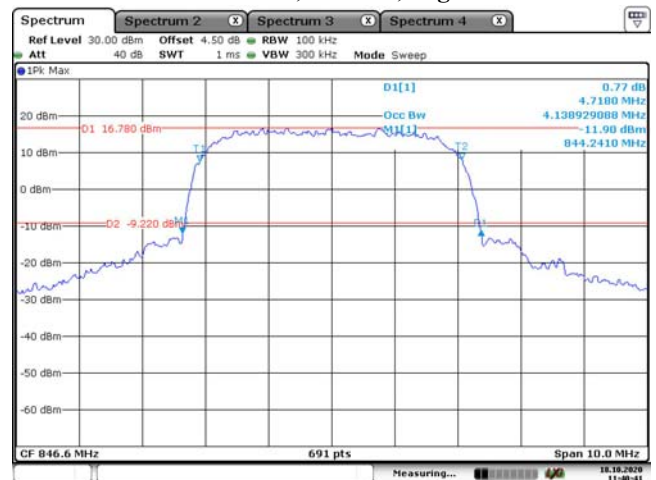
WCDMA Band V, HSDPA, Low Channel



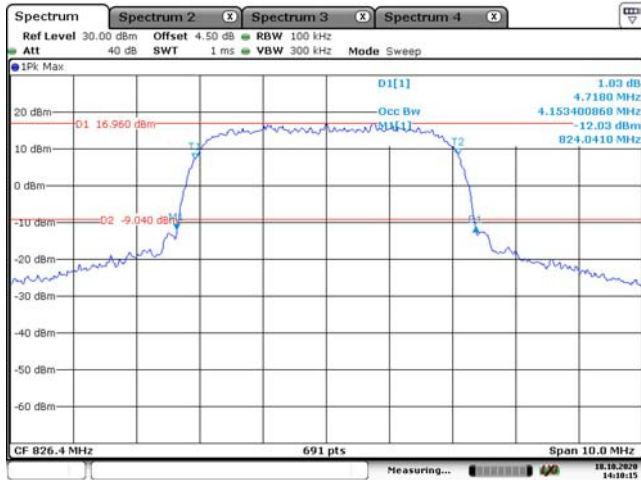
WCDMA Band V, HSDPA, Middle Channel



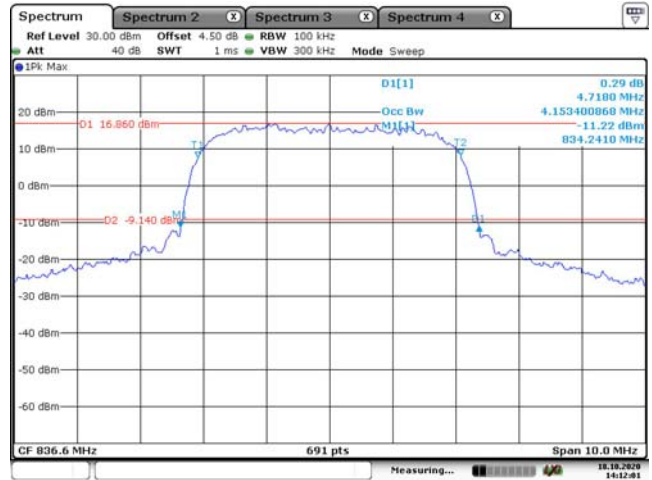
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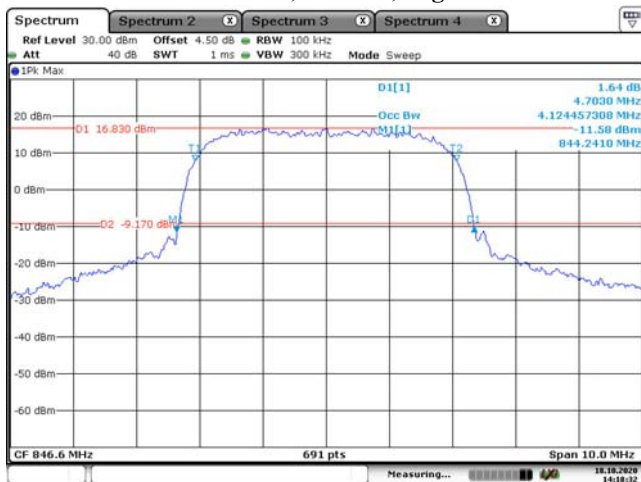
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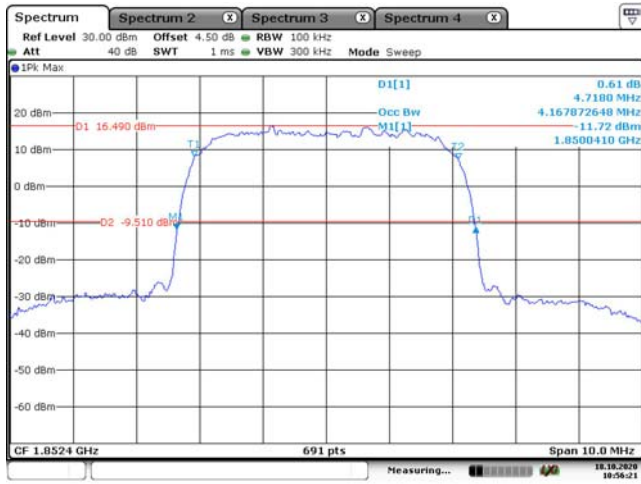
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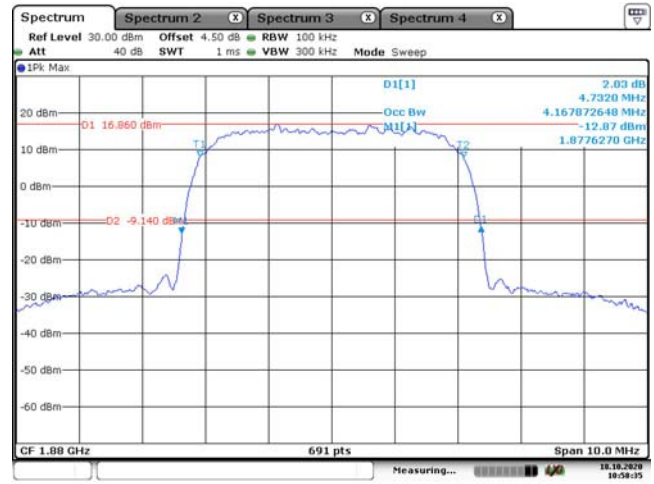
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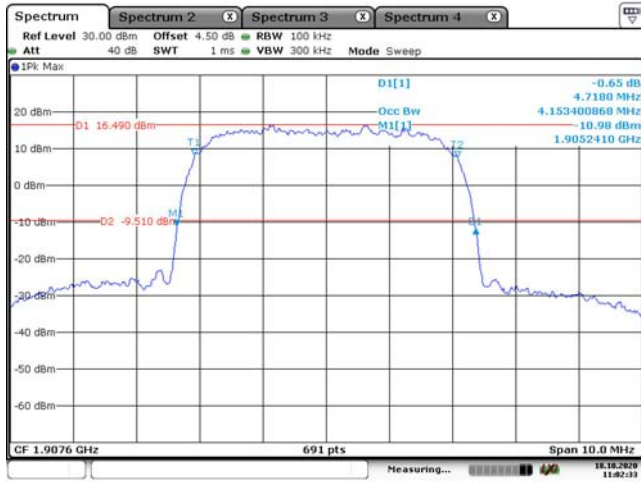
WCDMA Band II, Rel99, Low Channel



WCDMA Band II, Rel99, Middle Channel



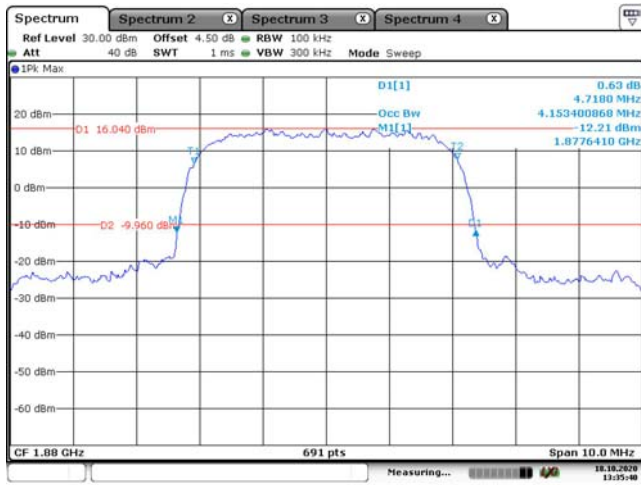
WCDMA Band II, Rel99, High Channel



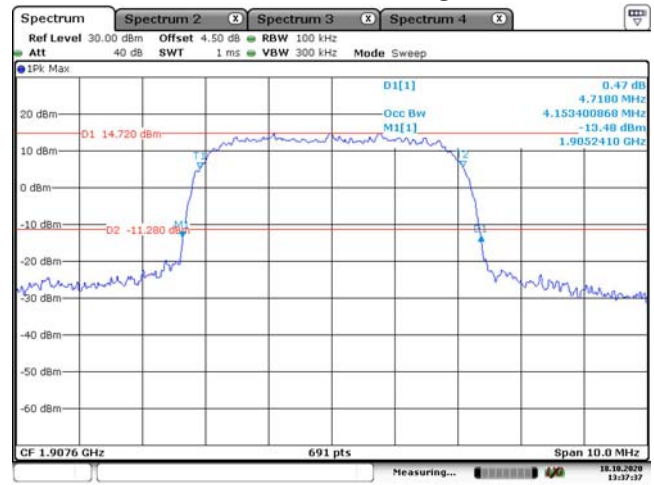
WCDMA Band II, HSDPA, Low Channel



WCDMA Band II, HSDPA, Middle Channel



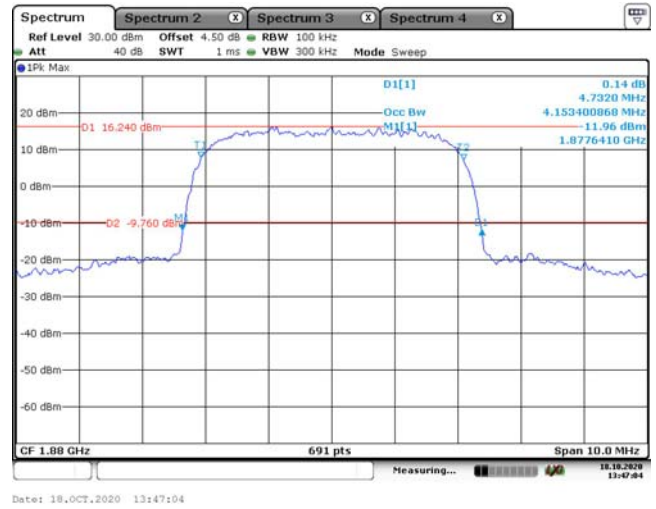
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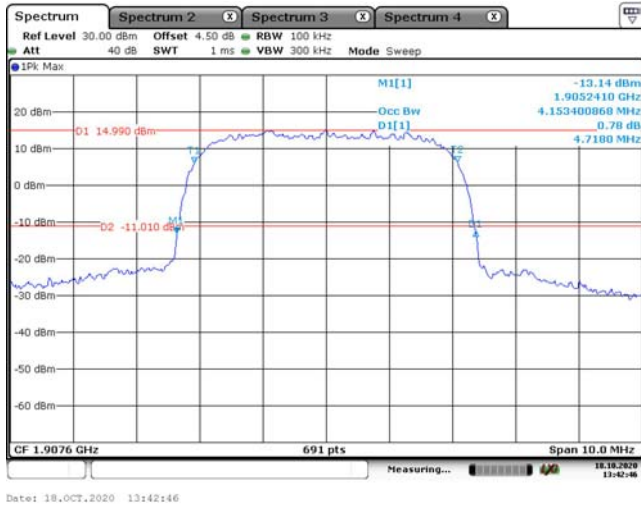
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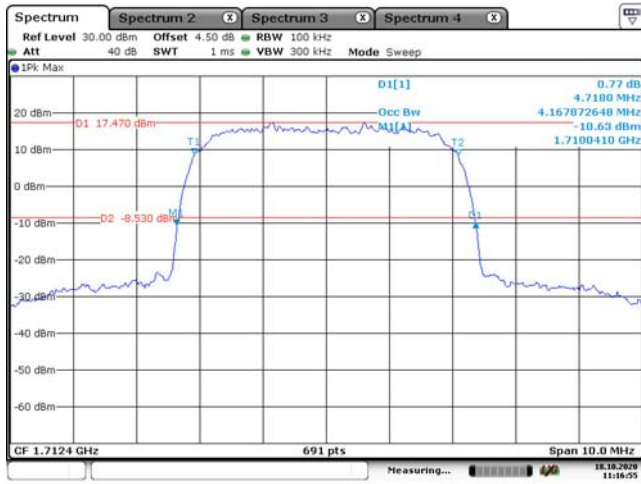
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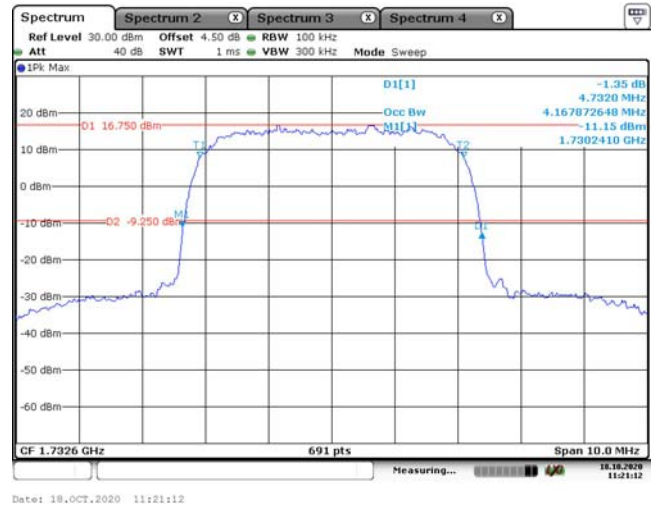
WCDMA Band II, HSUPA, High Channel



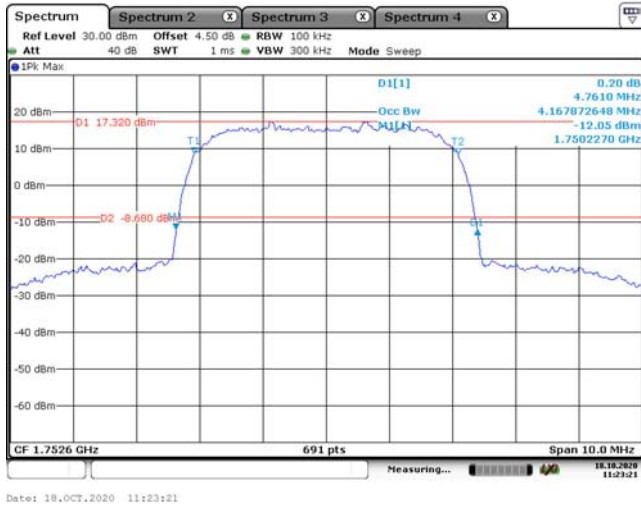
WCDMA Band IV, Rel99, Low Channel



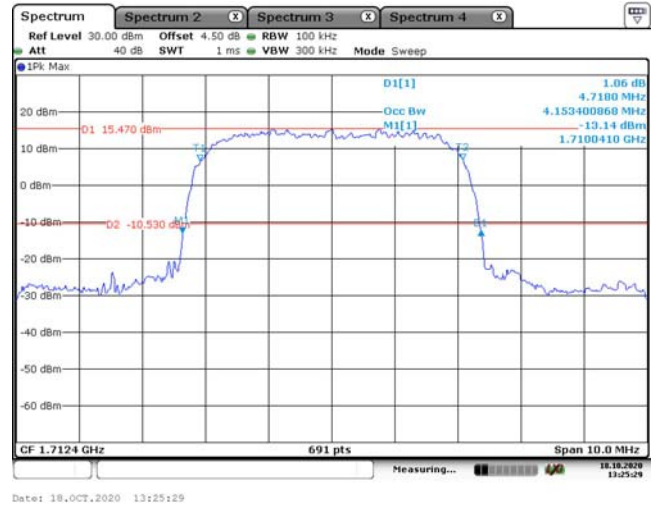
WCDMA Band IV, Rel99, Middle Channel



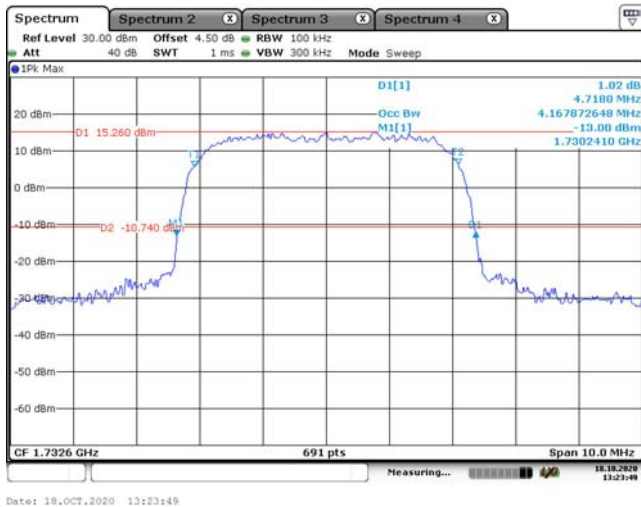
WCDMA Band IV, Rel99, High Channel



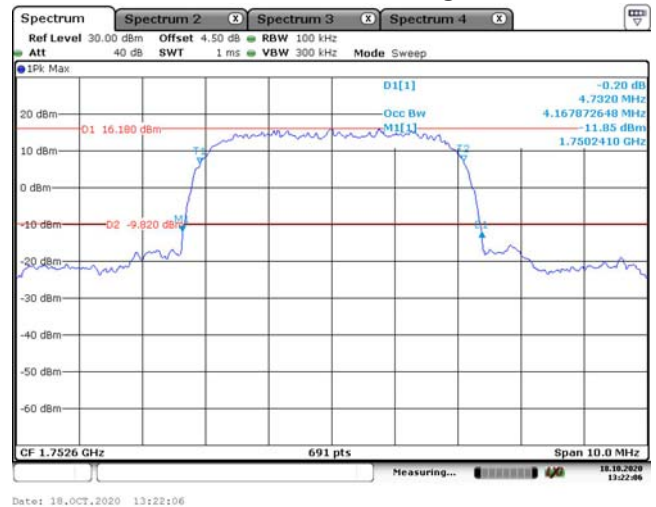
WCDMA Band IV, HSDPA, Low Channel



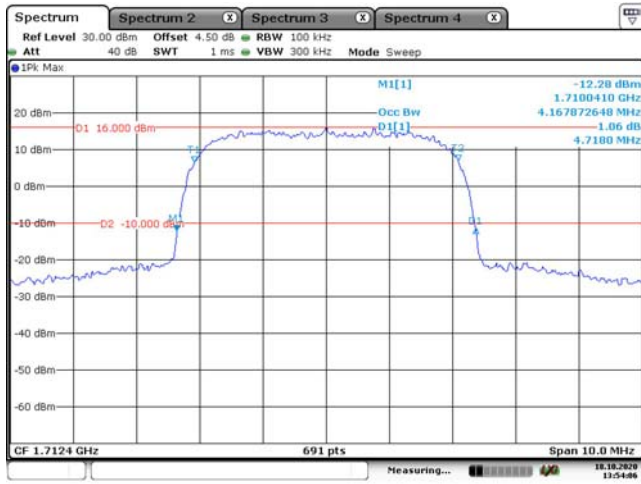
WCDMA Band IV, HSDPA, Middle Channel



WCDMA Band IV, HSDPA, High Channel



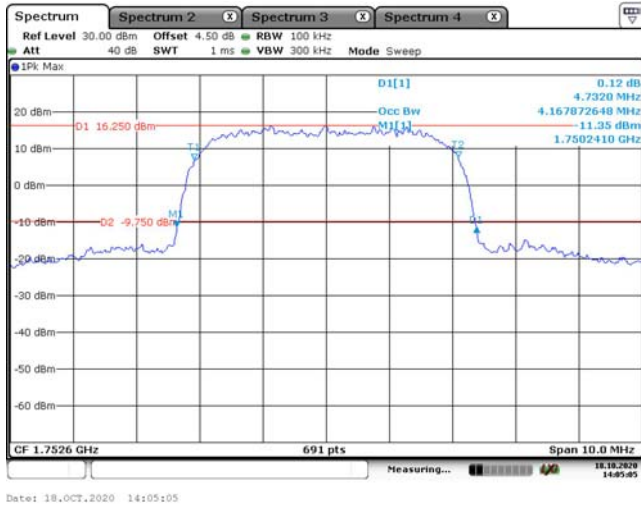
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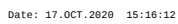
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WCDMA Band IV, HSUPA, High Channel



1.4M, QPSK, Low Channel



Date: 17.OCT.2020 15:17:46

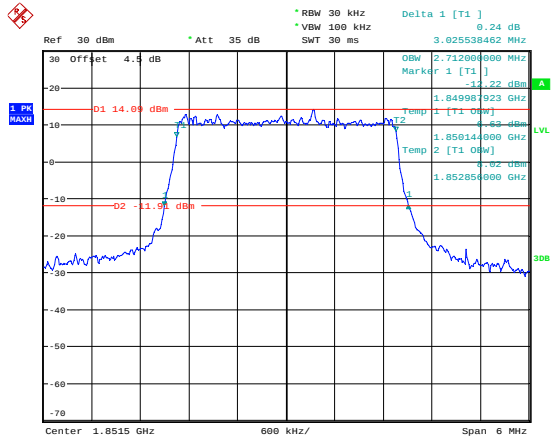
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Date: 17.OCT.2020 16:04:44

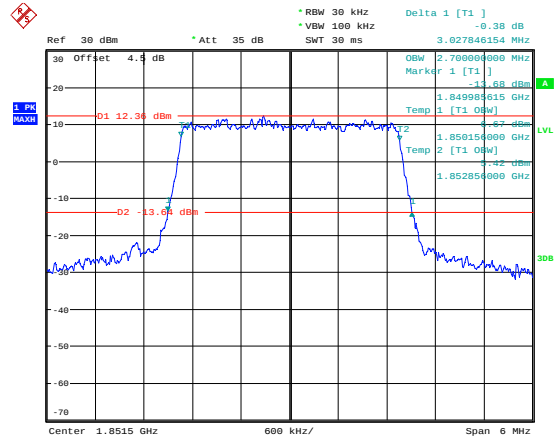
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3M, QPSK, Low Channel



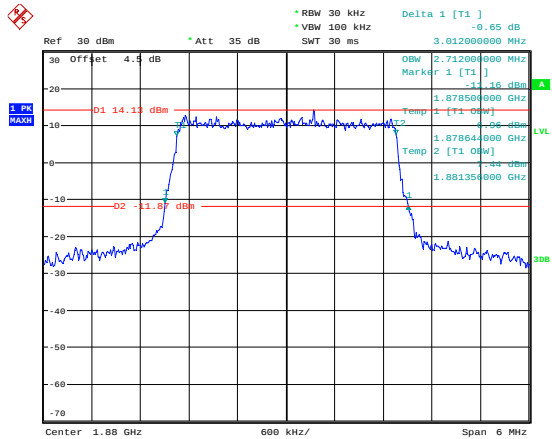
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3M, 16QAM, Low Channel



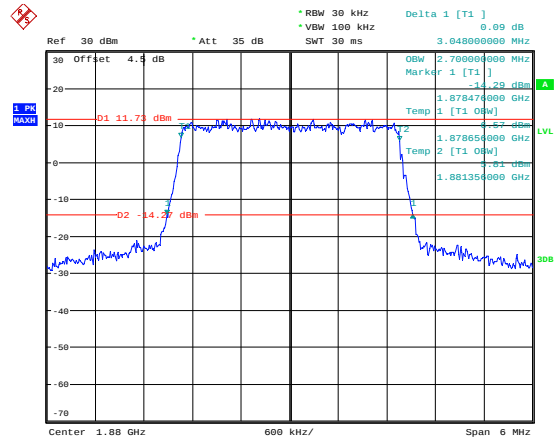
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3M, QPSK, Middle Channel



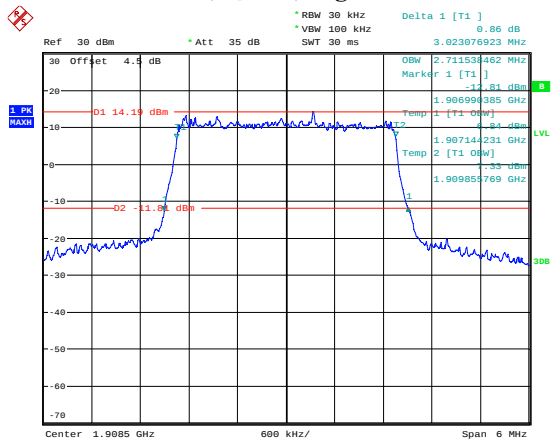
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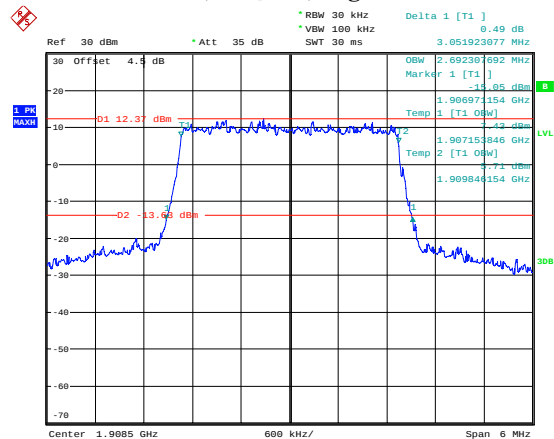
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3M, QPSK, High Channel



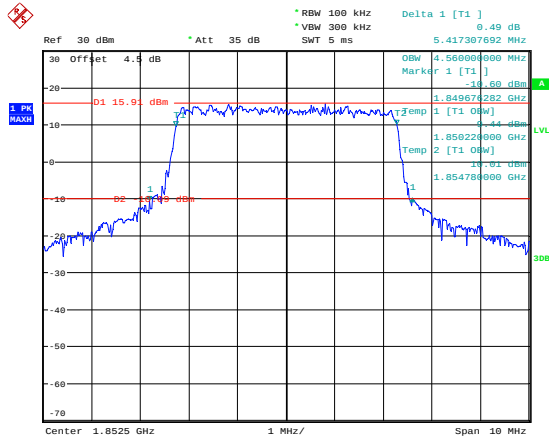
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3M, 16QAM, High Channel



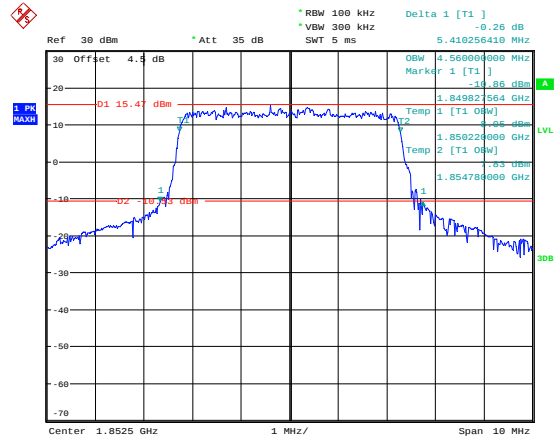
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5M, QPSK, Low Channel



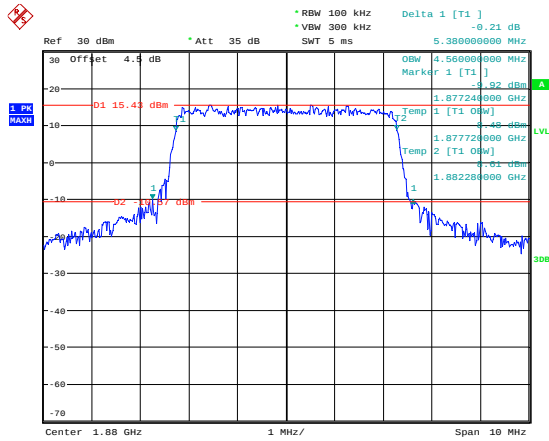
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5M, 16QAM, Low Channel



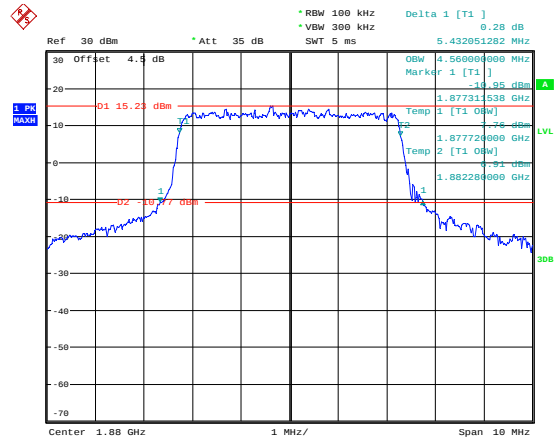
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5M, QPSK, Middle Channel



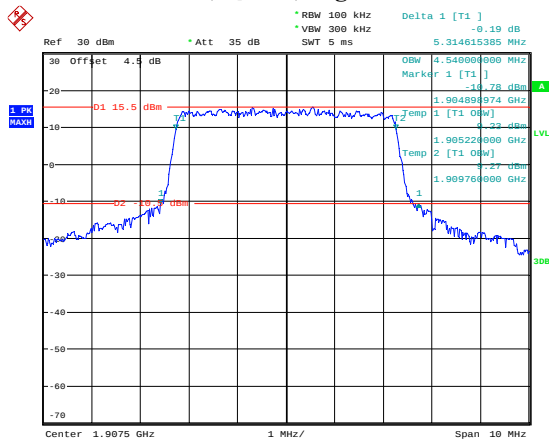
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5M, 16QAM, Middle Channel



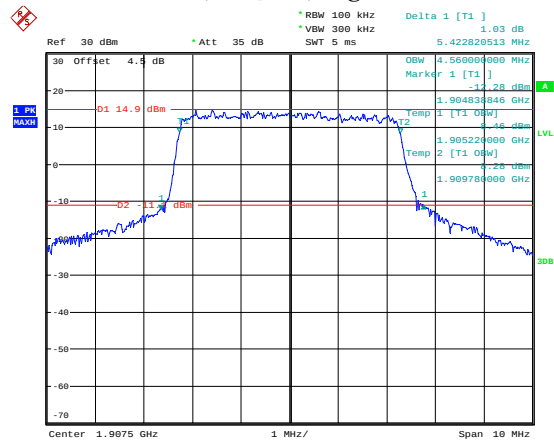
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5M, QPSK, High Channel



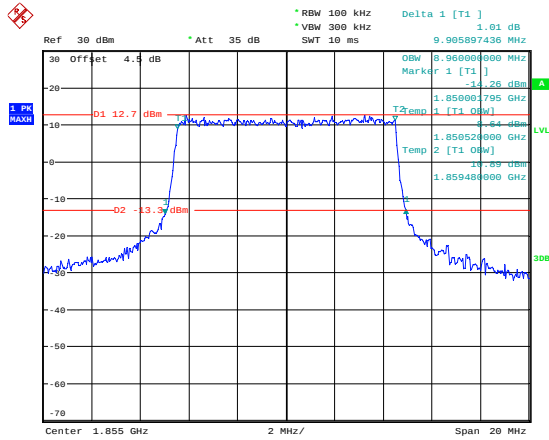
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5M, 16QAM, High Channel



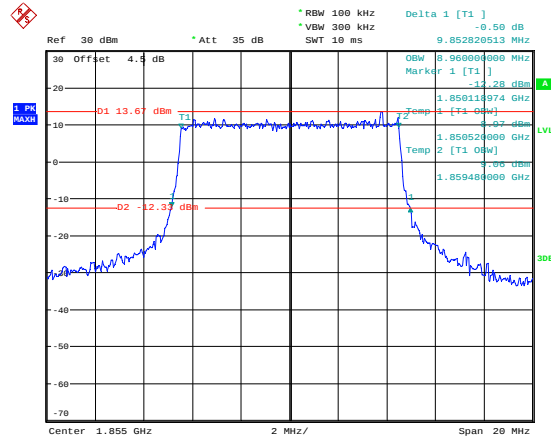
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10M, QPSK, Low Channel



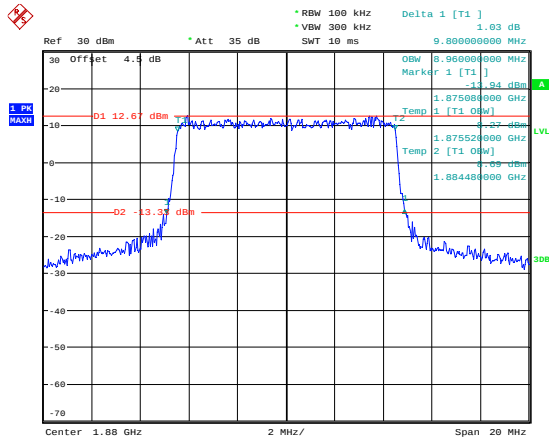
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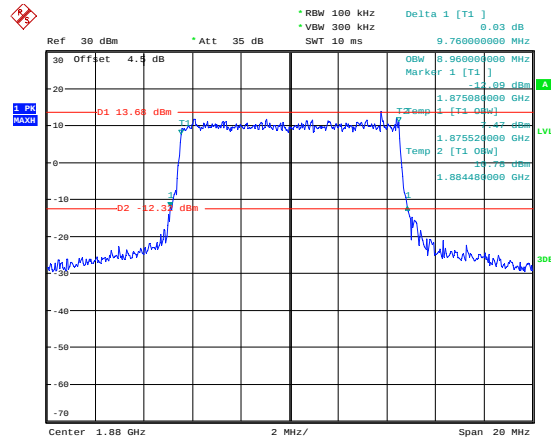
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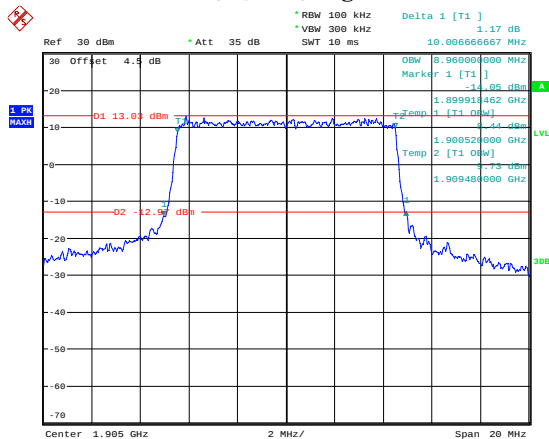
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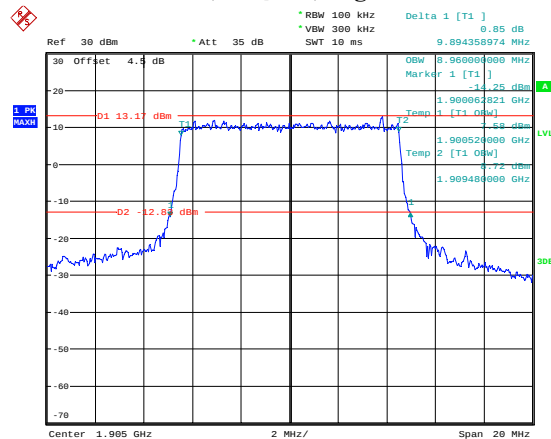
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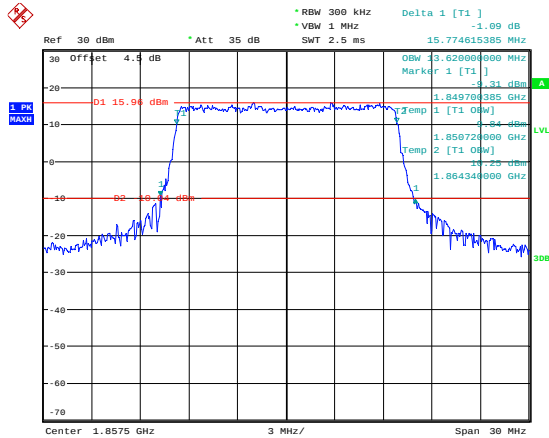
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10M, 16QAM, High Channel



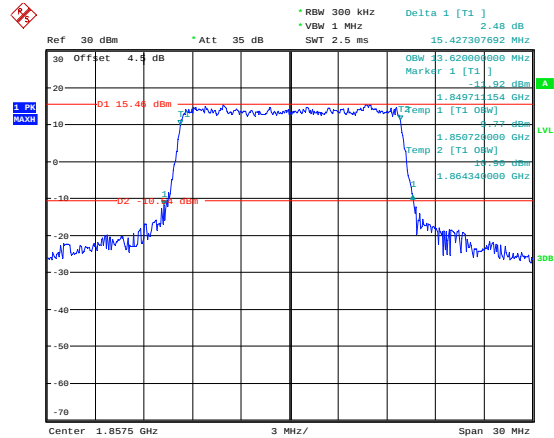
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15M, QPSK, Low Channel



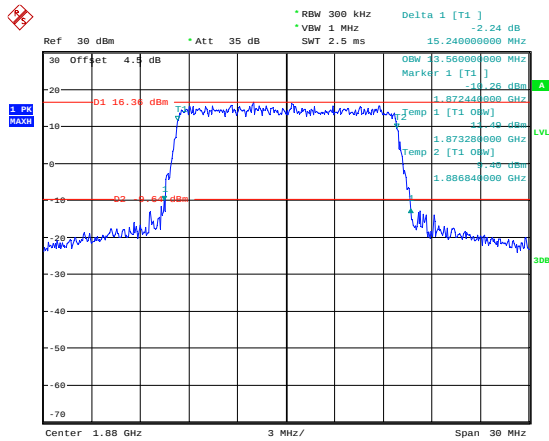
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15M, 16QAM, Low Channel



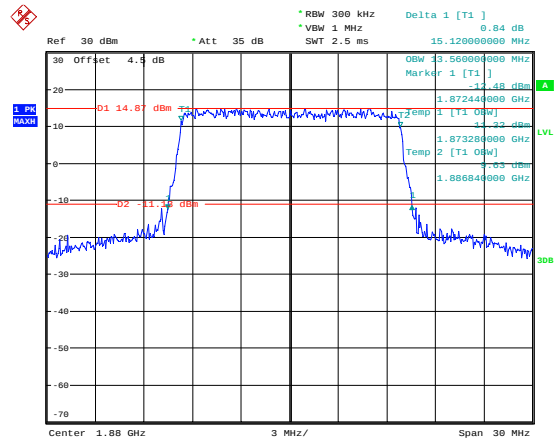
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15M, QPSK, Middle Channel



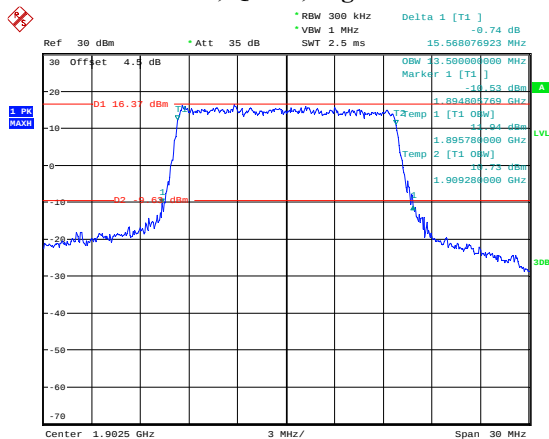
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15M, 16QAM, Middle Channel



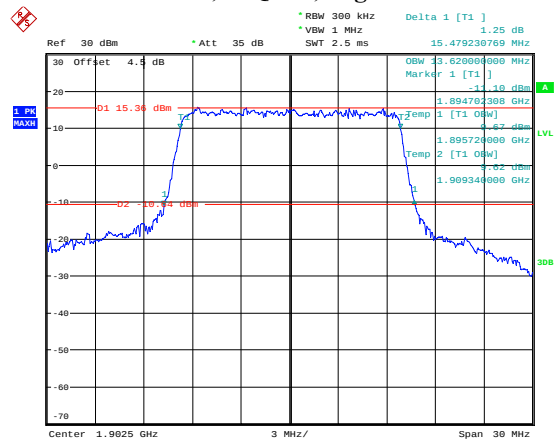
Date: 17.OCT.2020 14:16:02

15M, QPSK, High Channel



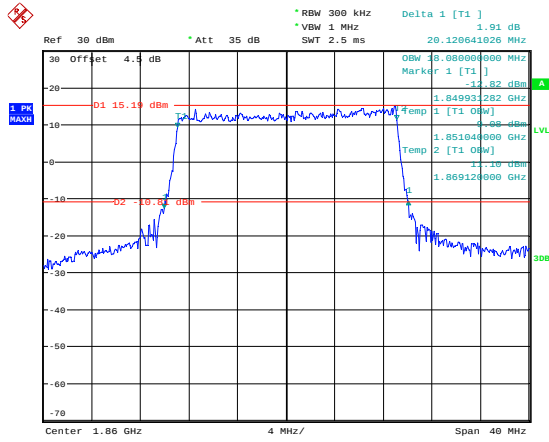
Date: 17.OCT.2020 15:48:44

15M, 16QAM, High Channel



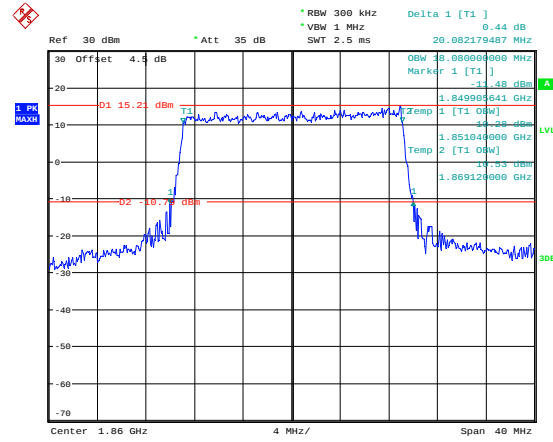
Date: 17.OCT.2020 15:50:19

20M, QPSK, Low Channel



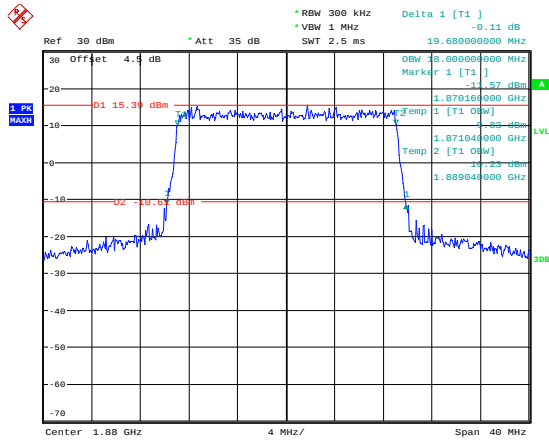
Date: 17.OCT.2020 15:38:40

20M, 16QAM, Low Channel



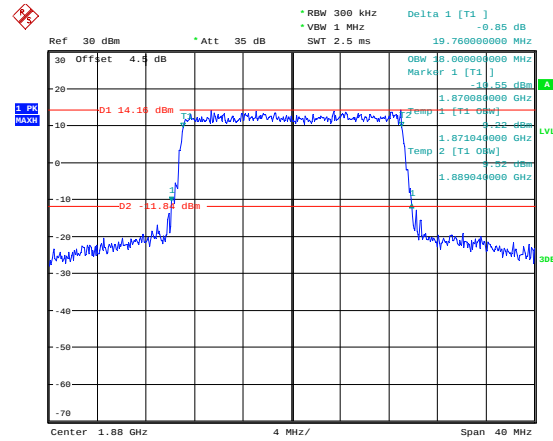
Date: 17.OCT.2020 15:40:28

20M, QPSK, Middle Channel



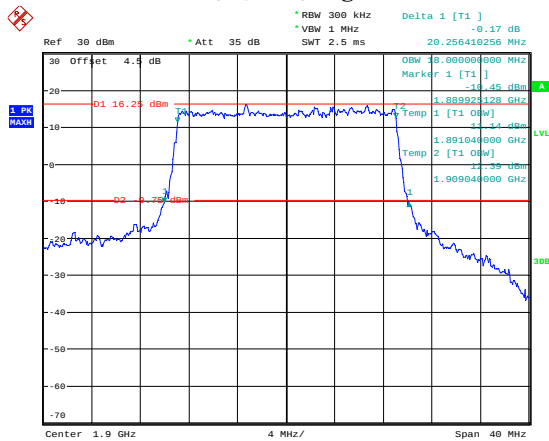
Date: 17.OCT.2020 14:16:33

20M, 16QAM, Middle Channel



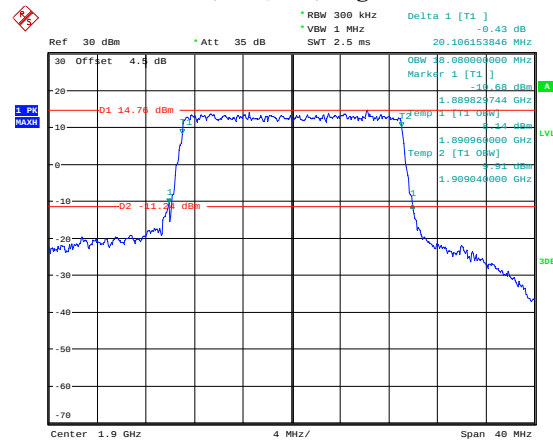
Date: 17.OCT.2020 14:17:03

20M, QPSK, High Channel

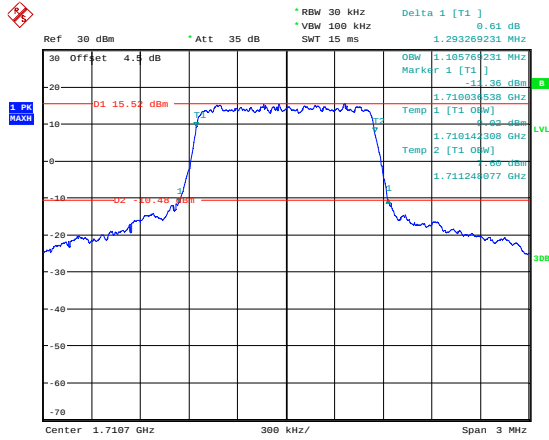


Date: 17.OCT.2020 15:47:06

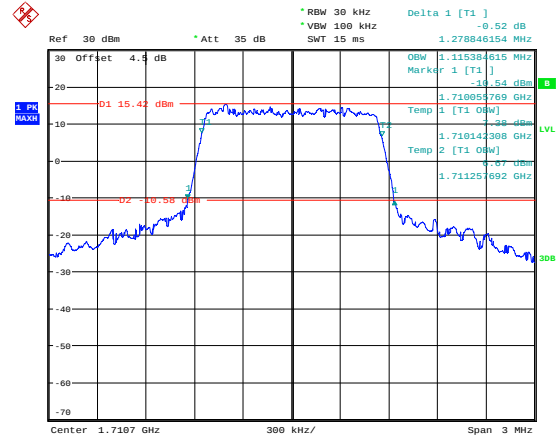
20M, 16QAM, High Channel



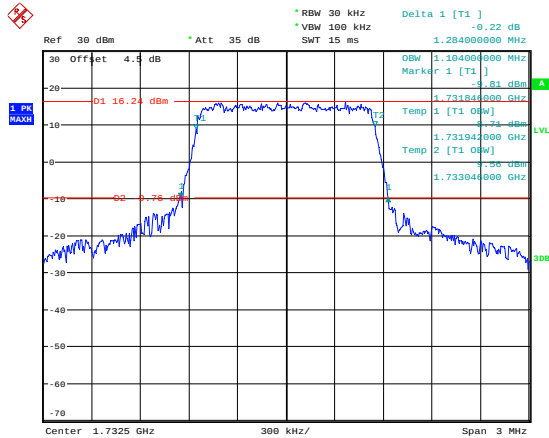
Date: 17.OCT.2020 15:45:25

LTE Band 4:**1.4M, QPSK, Low Channel**

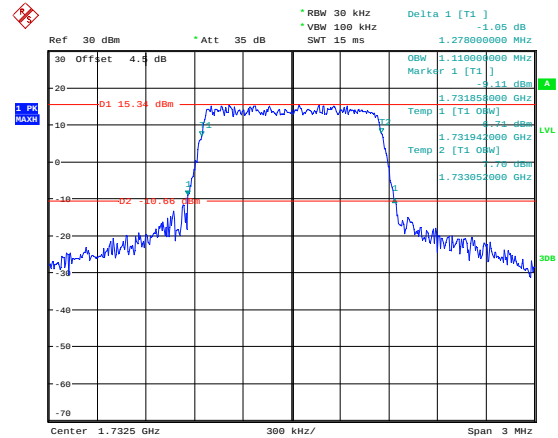
Date: 17.OCT.2020 16:08:14

1.4M, 16QAM, Low Channel

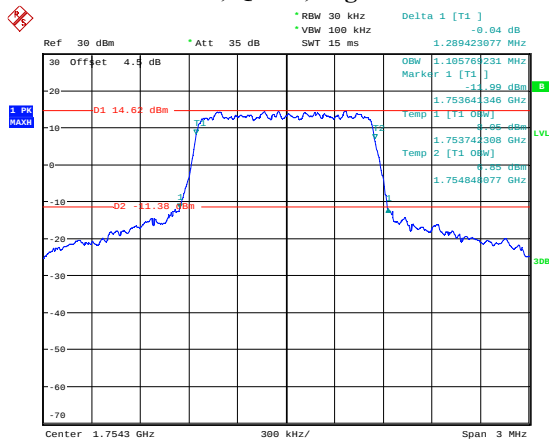
Date: 17.OCT.2020 16:09:13

1.4M, QPSK, Middle Channel

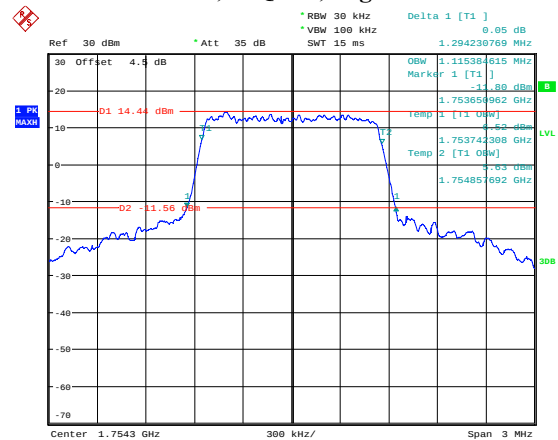
Date: 17.OCT.2020 14:17:33

1.4M, 16QAM, Middle Channel

Date: 17.OCT.2020 14:17:57

1.4M, QPSK, High Channel

Date: 17.OCT.2020 16:51:24

1.4M, 16QAM, High Channel

Date: 17.OCT.2020 16:50:02

Date: 17.OCT.2020 16:11:08

Date: 17.OCT.2020 16:12:48

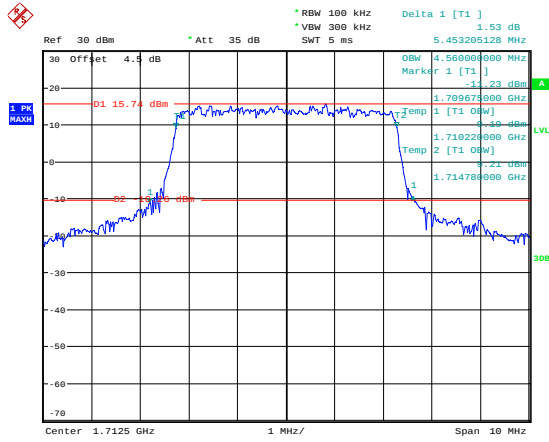
Date: 17.OCT.2020 14:18:23

Date: 17.OCT.2020 14:18:47

Date: 17.OCT.2020 16:47:58

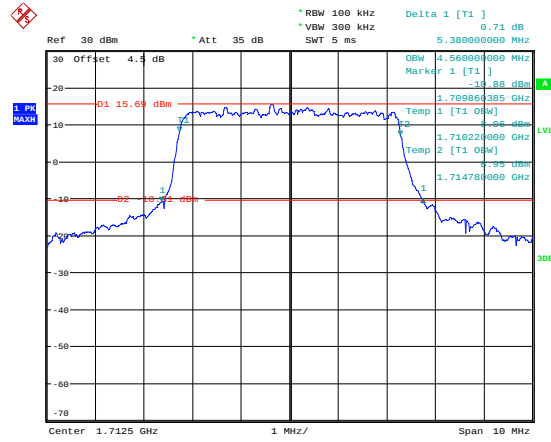
Date: 17.OCT.2020 16:46:43

5M, QPSK, Low Channel



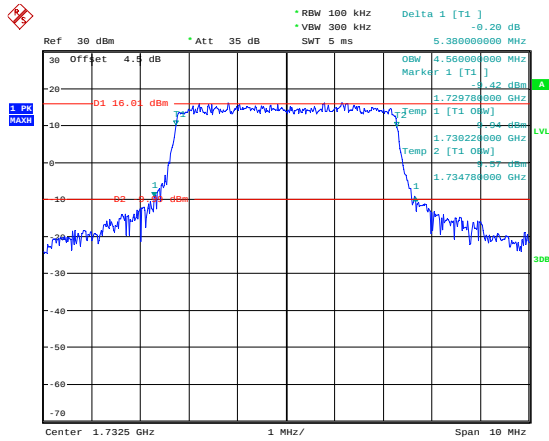
Date: 17.OCT.2020 16:16:35

5M, 16QAM, Low Channel



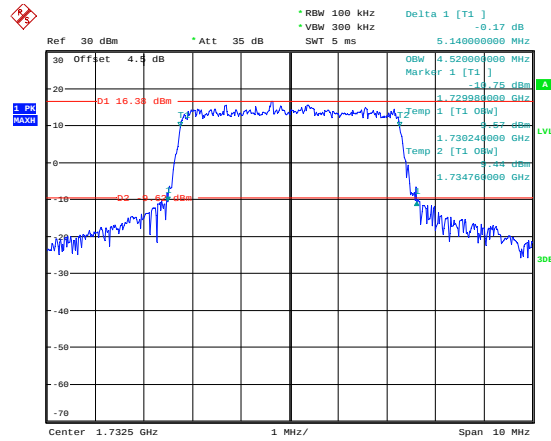
Date: 17.OCT.2020 16:15:43

5M, QPSK, Middle Channel



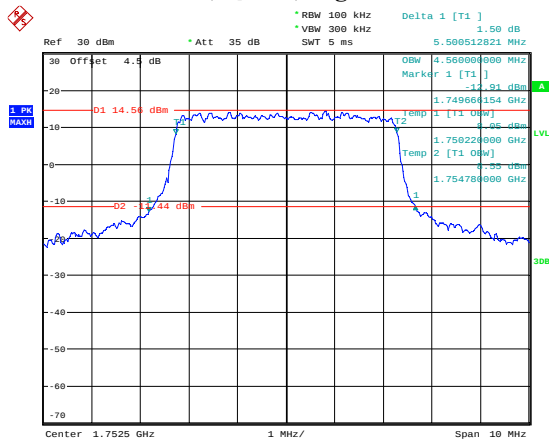
Date: 17.OCT.2020 14:19:34

5M, 16QAM, Middle Channel



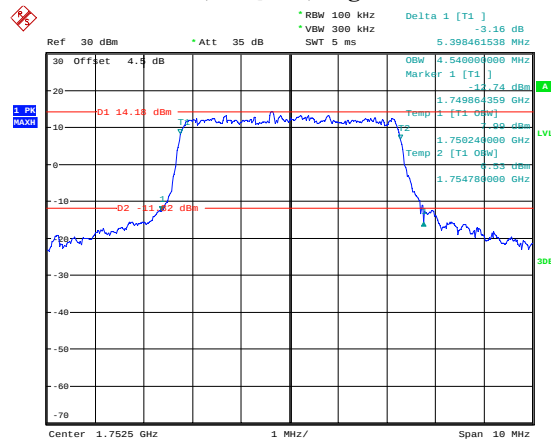
Date: 17.OCT.2020 14:20:10

5M, QPSK, High Channel



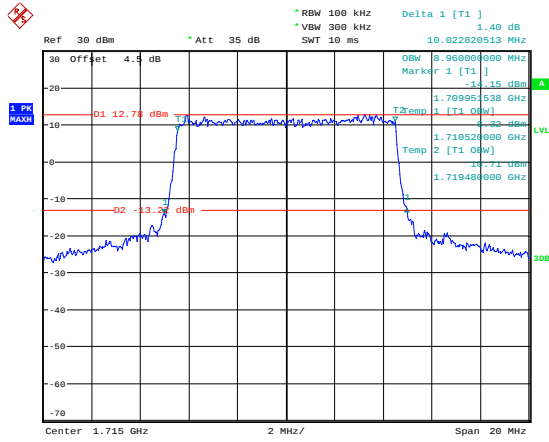
Date: 17.OCT.2020 16:41:56

5M, 16QAM, High Channel



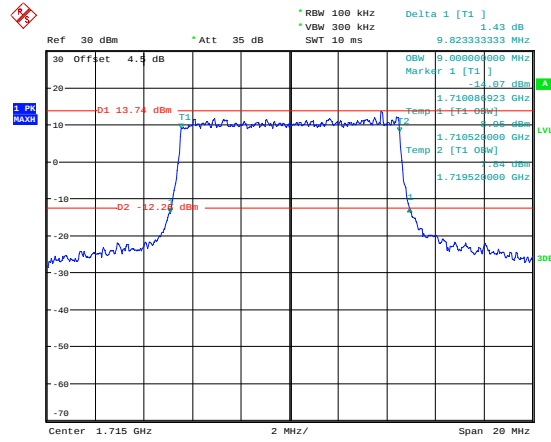
Date: 17.OCT.2020 16:44:21

10M, QPSK, Low Channel



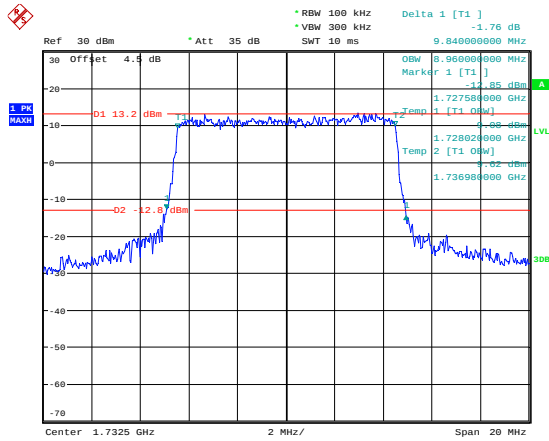
Date: 17.OCT.2020 16:19:26

10M, 16QAM, Low Channel



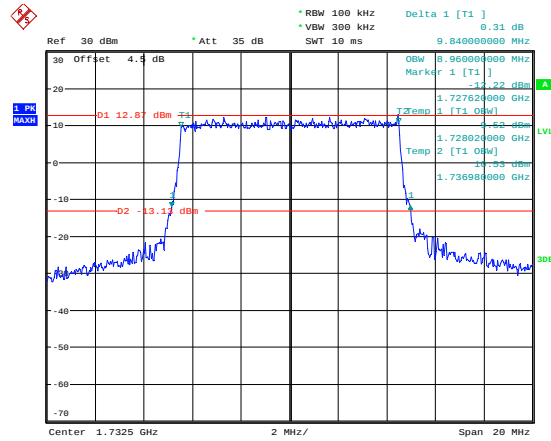
Date: 17.OCT.2020 16:18:32

10M, QPSK, Middle Channel



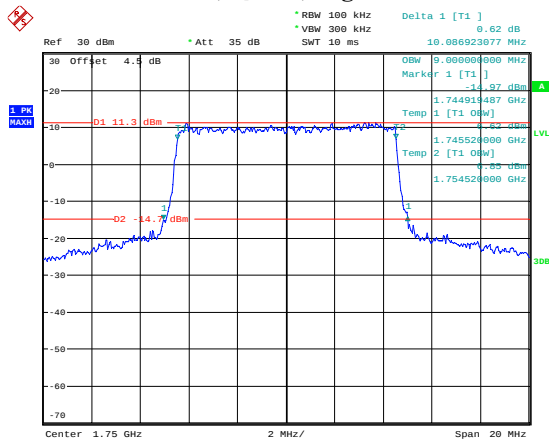
Date: 17.OCT.2020 14:20:41

10M, 16QAM, Middle Channel



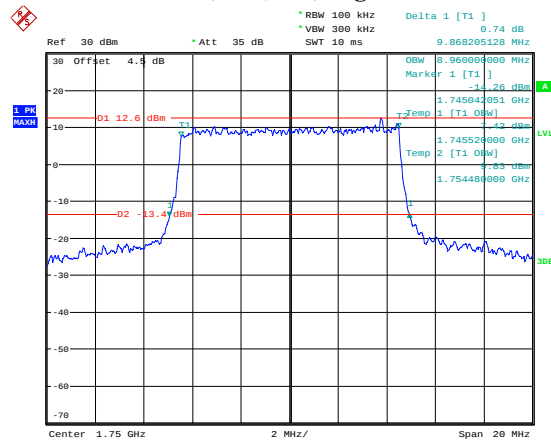
Date: 17.OCT.2020 14:21:06

10M, QPSK, High Channel



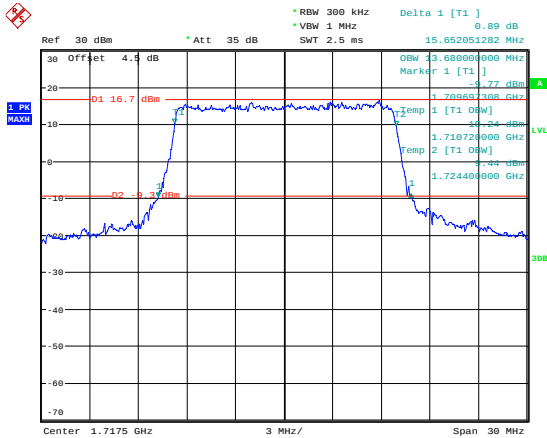
Date: 17.OCT.2020 16:36:49

10M, 16QAM, High Channel



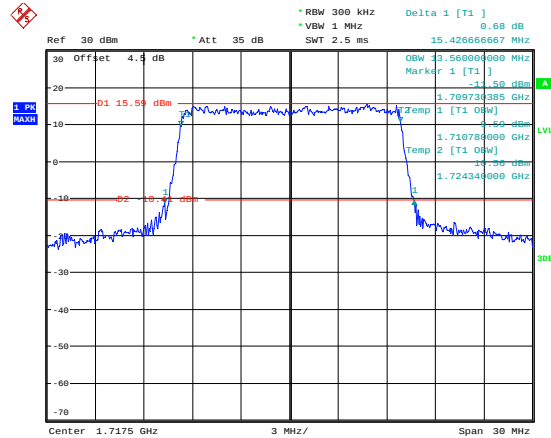
Date: 17.OCT.2020 16:39:09

15M, QPSK, Low Channel



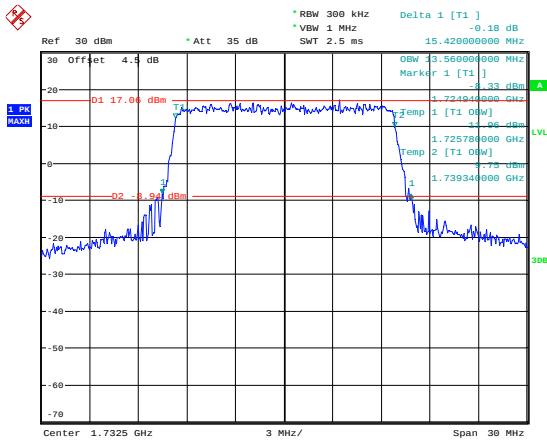
Date: 17.OCT.2020 16:22:38

15M, 16QAM, Low Channel



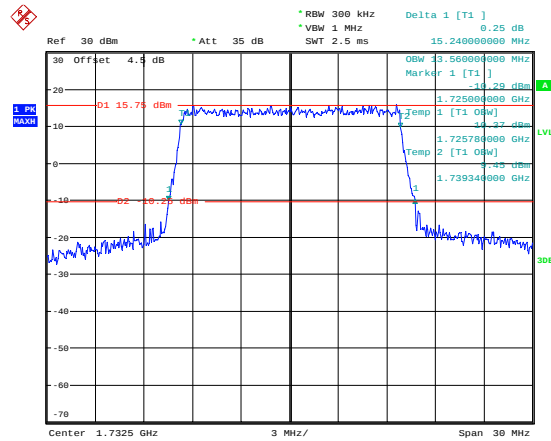
Date: 17.OCT.2020 16:21:33

15M, QPSK, Middle Channel



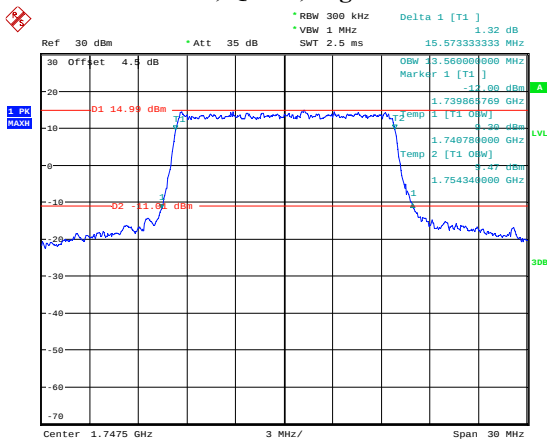
Date: 17.OCT.2020 14:21:43

15M, 16QAM, Middle Channel



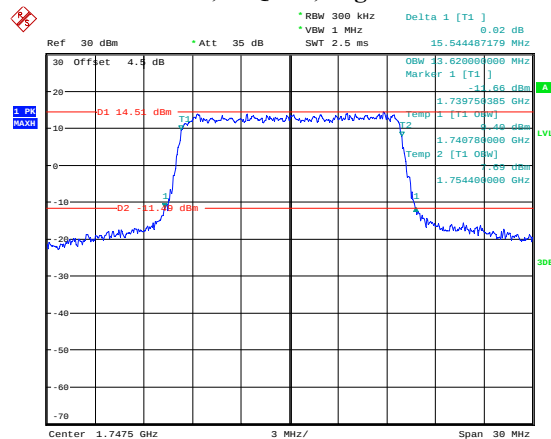
Date: 17.OCT.2020 14:22:13

15M, QPSK, High Channel



Date: 17.OCT.2020 16:34:03

15M, 16QAM, High Channel



Date: 17.OCT.2020 16:35:07

Date: 17.OCT.2020 16:26:28

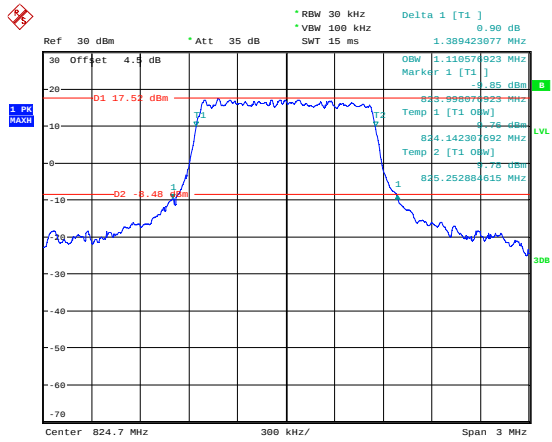
Date: 17.OCT.2020 16:27:47

Date: 17.OCT.2020 14:22:43

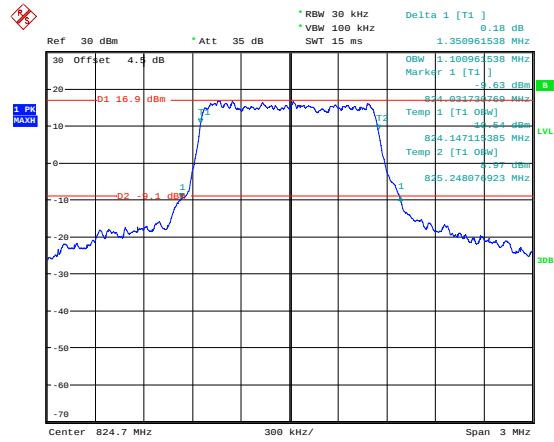
Date: 17.OCT.2020 14:23:10

Date: 17.OCT.2020 16:31:41

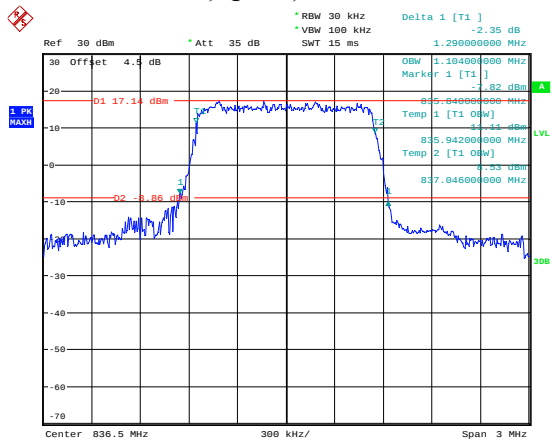
Date: 17.OCT.2020 16:30:34

LTE Band 5:**1.4M, QPSK, Low Channel**

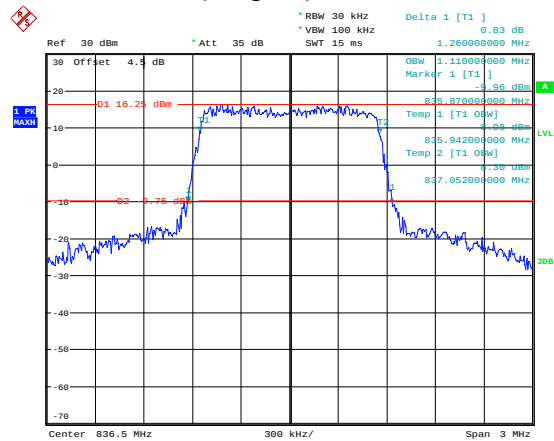
Date: 17.OCT.2020 16:53:20

1.4M, 16QAM, Low Channel

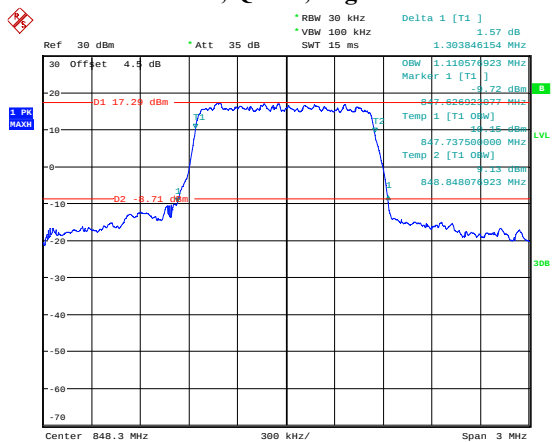
Date: 17.OCT.2020 16:54:53

1.4M, QPSK, Middle Channel

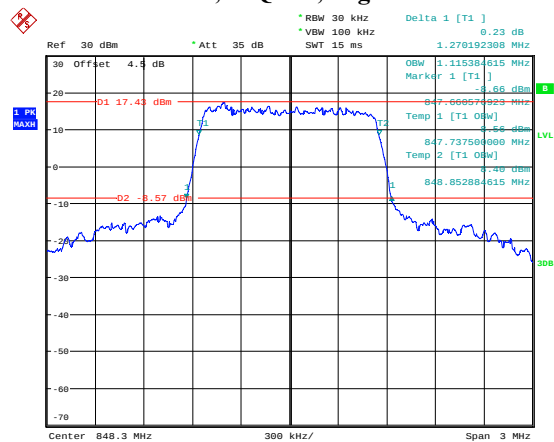
Date: 17.OCT.2020 14:23:40

1.4M, 16QAM, Middle Channel

Date: 17.OCT.2020 14:24:03

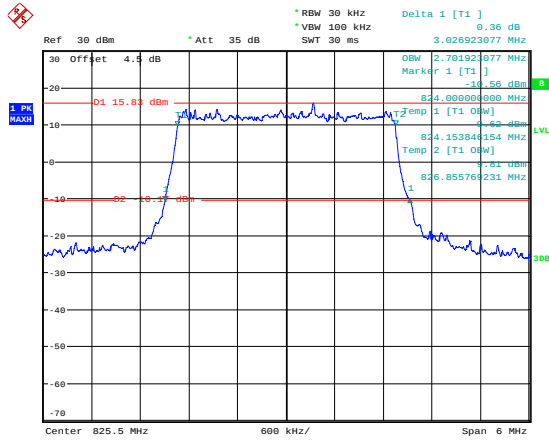
1.4M, QPSK, High Channel

Date: 17.OCT.2020 17:16:49

1.4M, 16QAM, High Channel

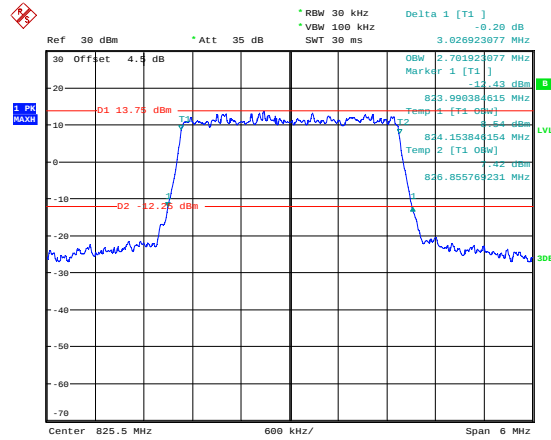
Date: 17.OCT.2020 17:15:42

3M, QPSK, Low Channel



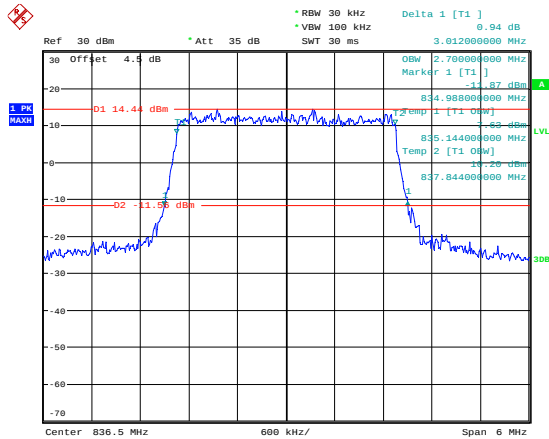
Date: 17.OCT.2020 16:56:15

3M, 16QAM, Low Channel



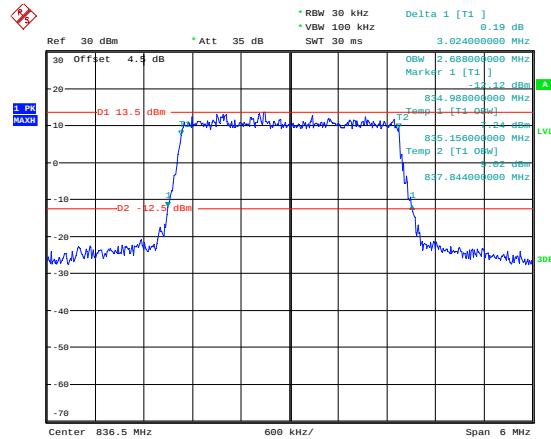
Date: 17.OCT.2020 16:57:15

3M, QPSK, Middle Channel



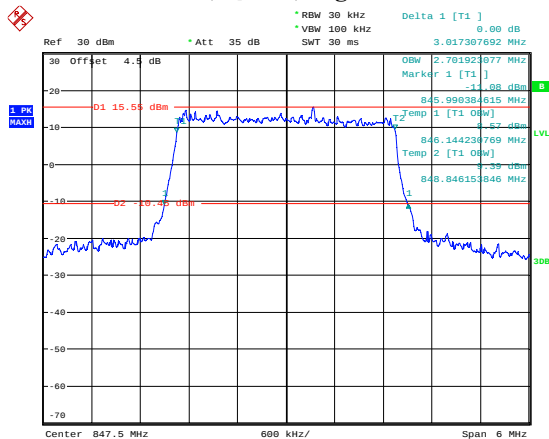
Date: 17.OCT.2020 14:24:29

3M, 16QAM, Middle Channel



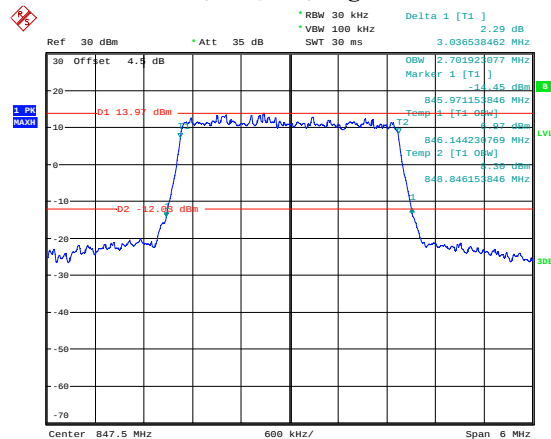
Date: 17.OCT.2020 14:24:53

3M, QPSK, High Channel



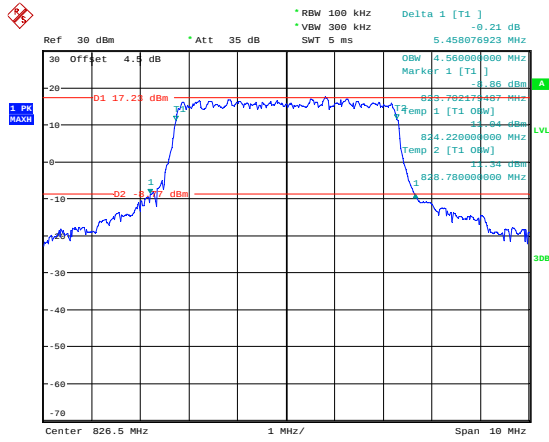
Date: 17.OCT.2020 17:14:47

3M, 16QAM, High Channel



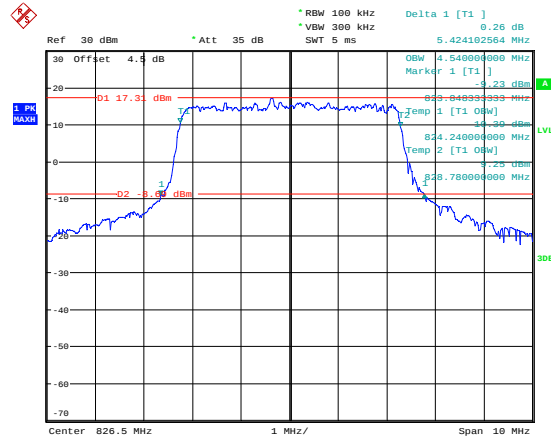
Date: 17.OCT.2020 17:13:52

5M, QPSK, Low Channel



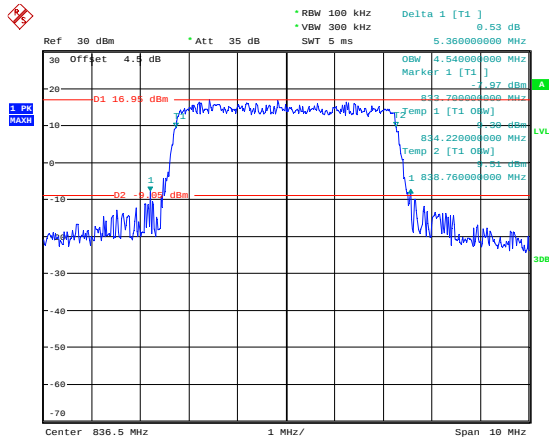
Date: 17.OCT.2020 17:00:17

5M, 16QAM, Low Channel



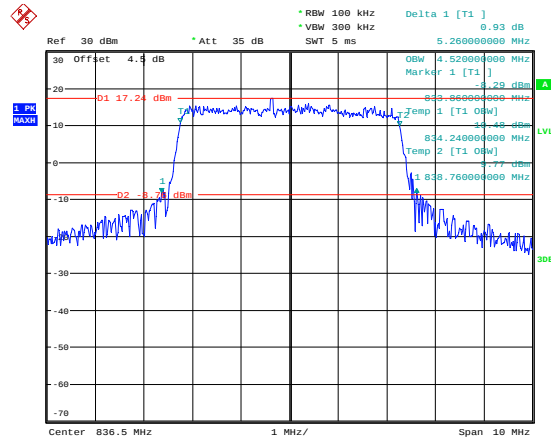
Date: 17.OCT.2020 16:59:02

5M, QPSK, Middle Channel



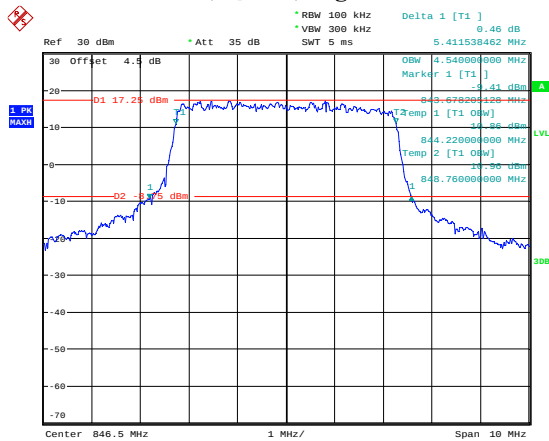
Date: 17.OCT.2020 14:25:22

5M, 16QAM, Middle Channel



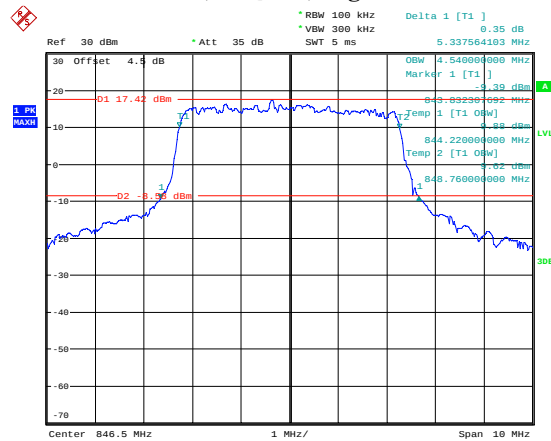
Date: 17.OCT.2020 14:26:01

5M, QPSK, High Channel



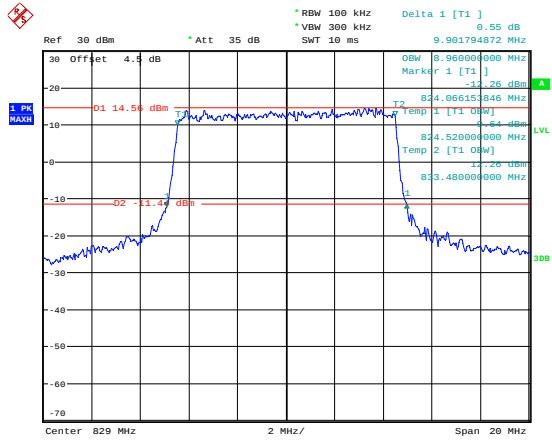
Date: 17.OCT.2020 17:09:51

5M, 16QAM, High Channel



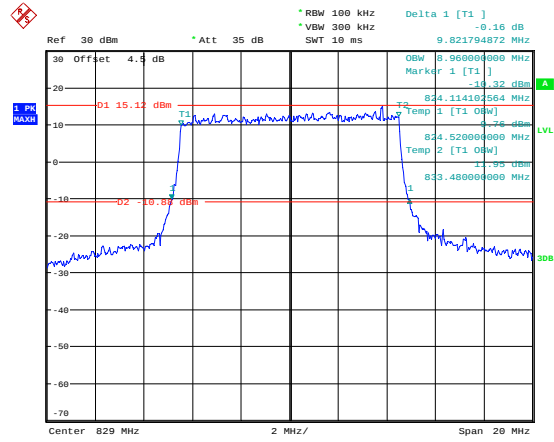
Date: 17.OCT.2020 17:11:25

10M, QPSK, Low Channel



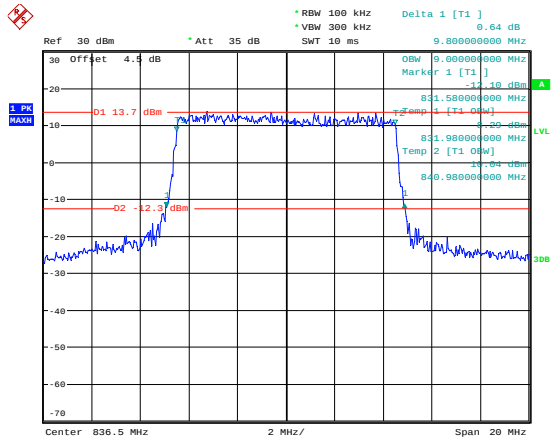
Date: 17.OCT.2020 17:03:58

10M, 16QAM, Low Channel



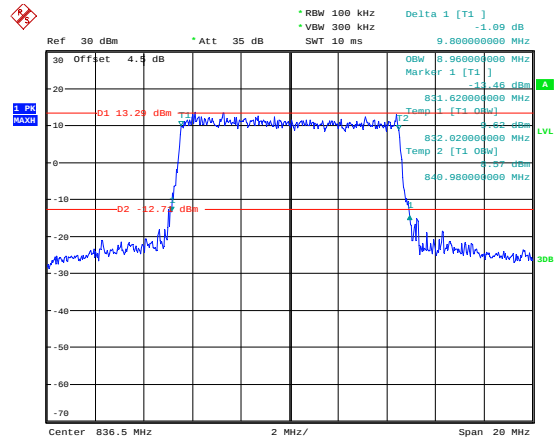
Date: 17.OCT.2020 17:02:10

10M, QPSK, Middle Channel



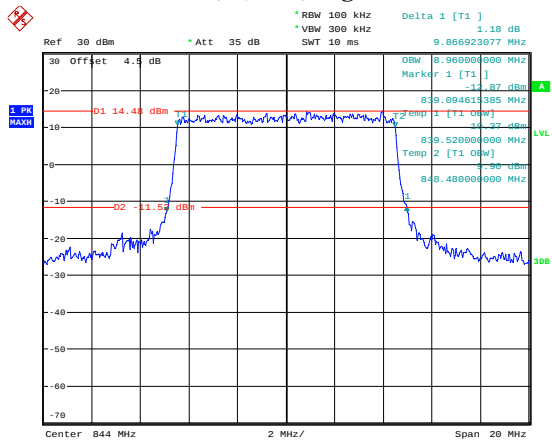
Date: 17.OCT.2020 14:26:28

10M, 16QAM, Middle Channel



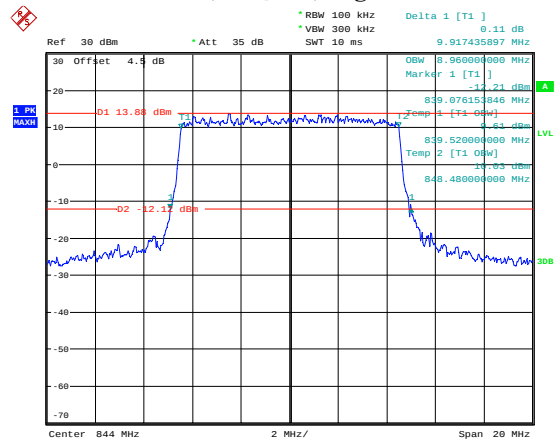
Date: 17.OCT.2020 14:26:53

10M, QPSK, High Channel

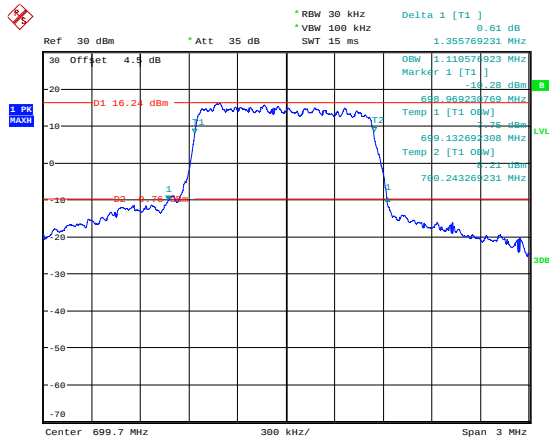


Date: 17.OCT.2020 17:06:12

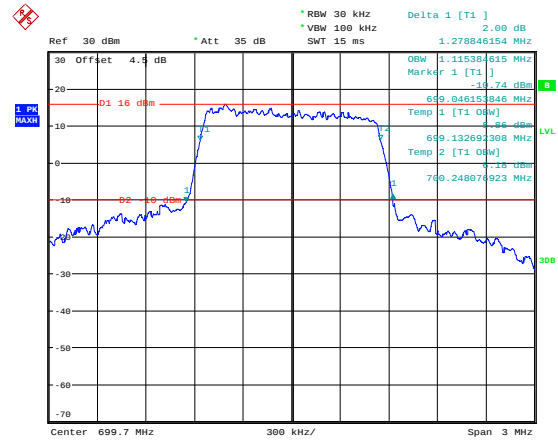
10M, 16QAM, High Channel



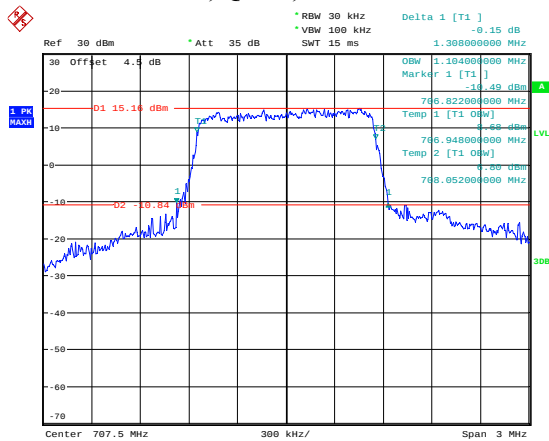
Date: 17.OCT.2020 17:08:06

LTE Band 12:**1.4M, QPSK, Low Channel**

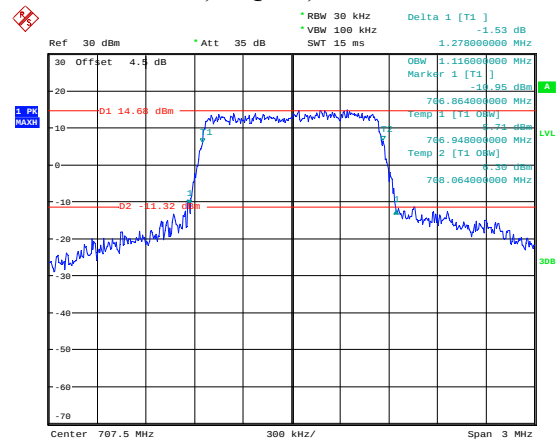
Date: 17.OCT.2020 17:21:57

1.4M, 16QAM, Low Channel

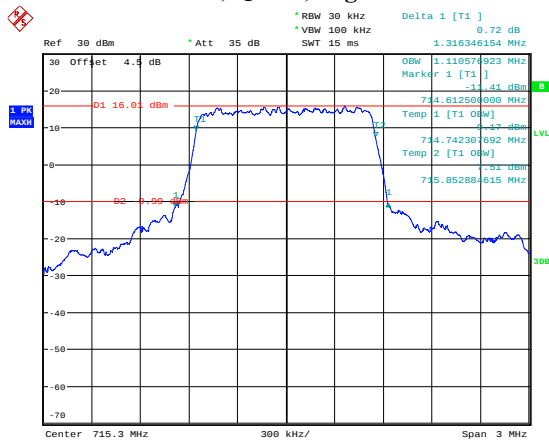
Date: 17.OCT.2020 17:22:49

1.4M, QPSK, Middle Channel

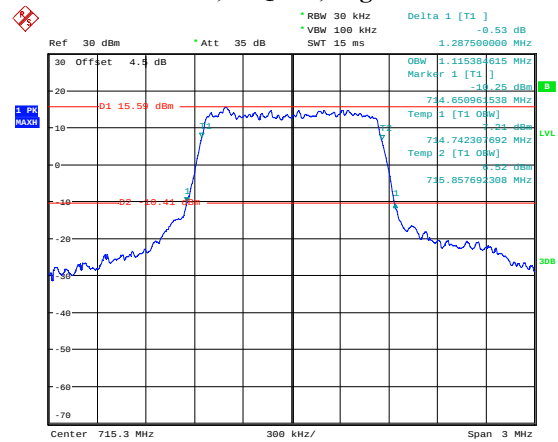
Date: 17.OCT.2020 14:27:19

1.4M, 16QAM, Middle Channel

Date: 17.OCT.2020 14:27:43

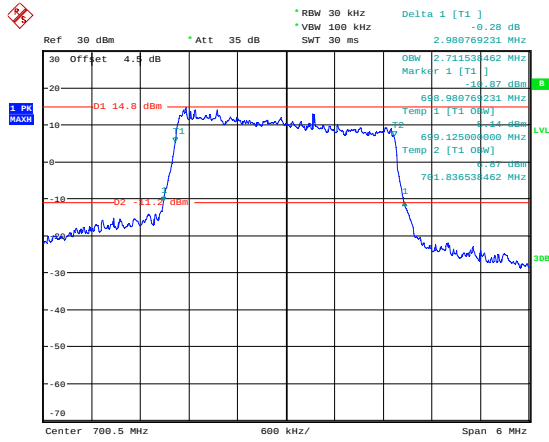
1.4M, QPSK, High Channel

Date: 17.OCT.2020 17:43:21

1.4M, 16QAM, High Channel

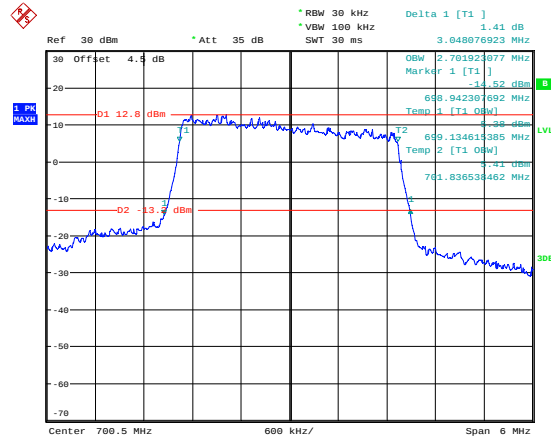
Date: 17.OCT.2020 17:42:02

3M, QPSK, Low Channel



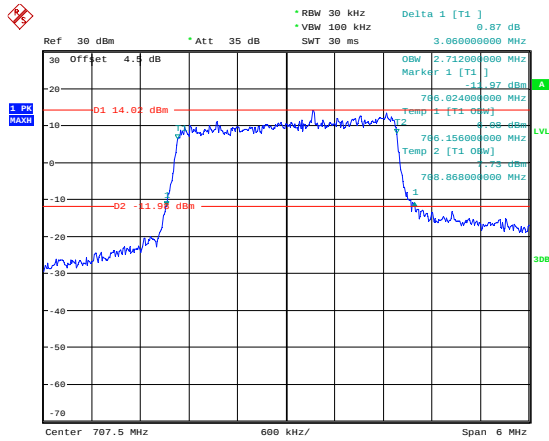
Date: 17.OCT.2020 17:24:06

3M, 16QAM, Low Channel



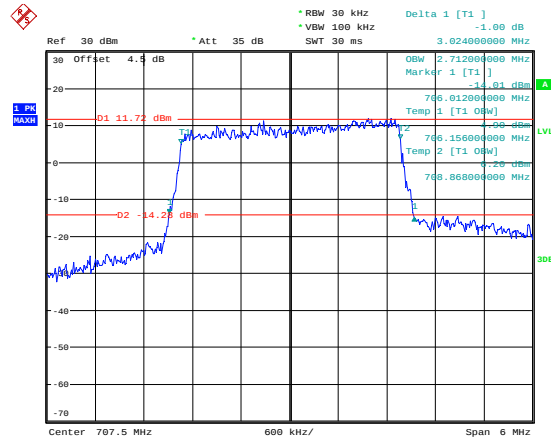
Date: 17.OCT.2020 17:24:55

3M, QPSK, Middle Channel



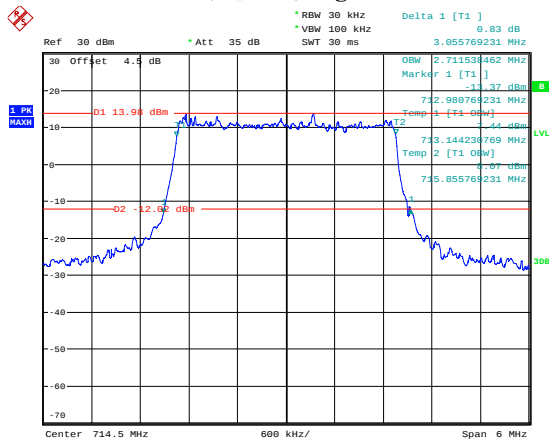
Date: 17.OCT.2020 14:28:09

3M, 16QAM, Middle Channel



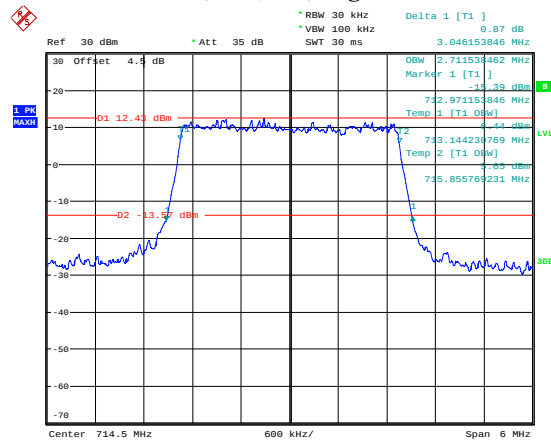
Date: 17.OCT.2020 14:28:39

3M, QPSK, High Channel



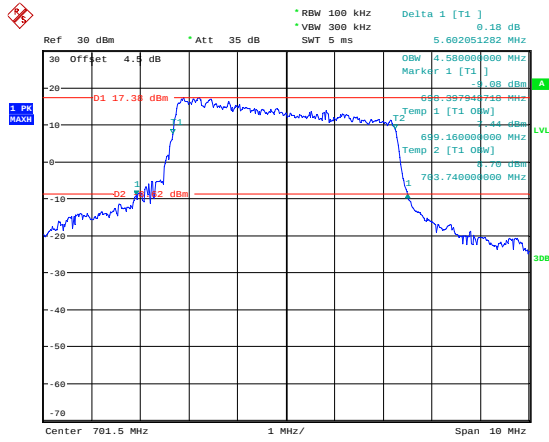
Date: 17.OCT.2020 17:48:43

3M, 16QAM, High Channel



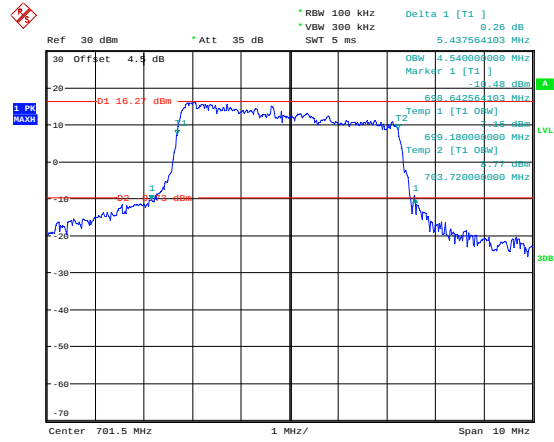
Date: 17.OCT.2020 17:39:43

5M, QPSK, Low Channel



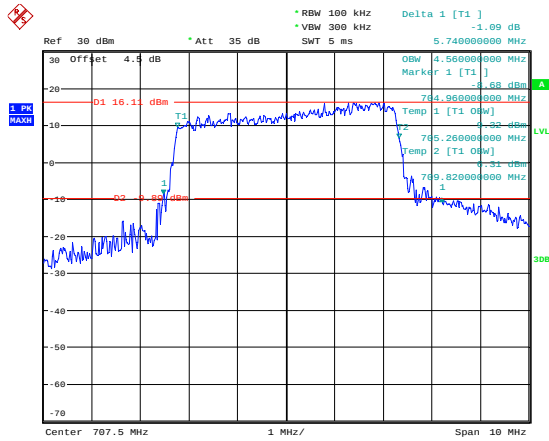
Date: 17.OCT.2020 17:27:27

5M, 16QAM, Low Channel



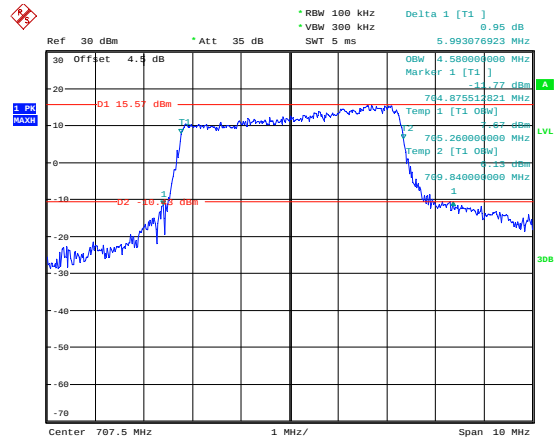
Date: 17.OCT.2020 17:26:16

5M, QPSK, Middle Channel



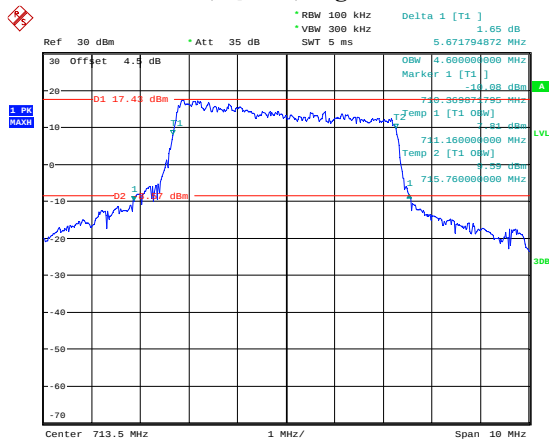
Date: 17.OCT.2020 14:29:03

5M, 16QAM, Middle Channel



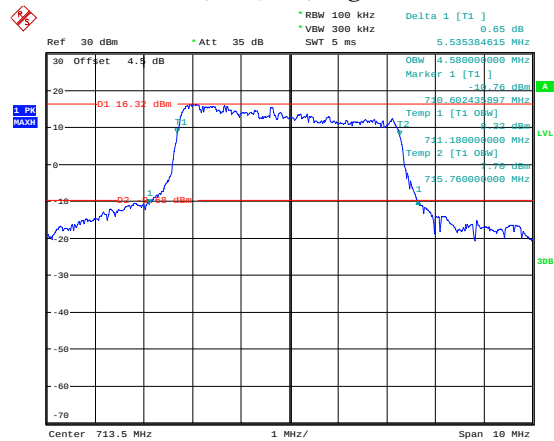
Date: 17.OCT.2020 14:58:44

5M, QPSK, High Channel



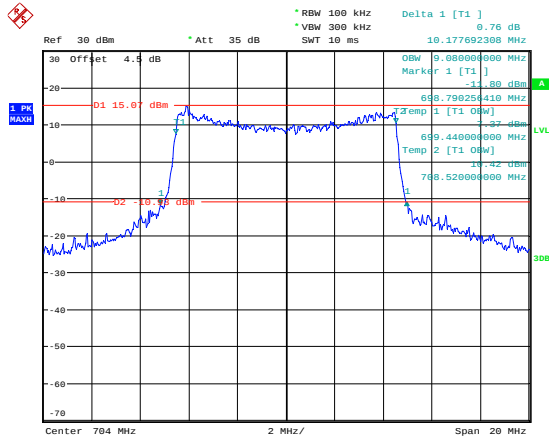
Date: 17.OCT.2020 17:36:49

5M, 16QAM, High Channel



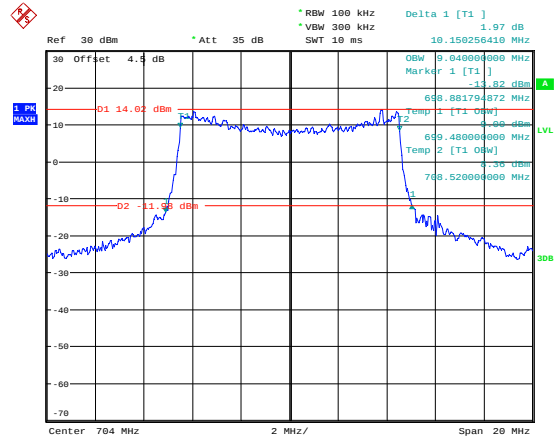
Date: 17.OCT.2020 17:37:55

10M, QPSK, Low Channel



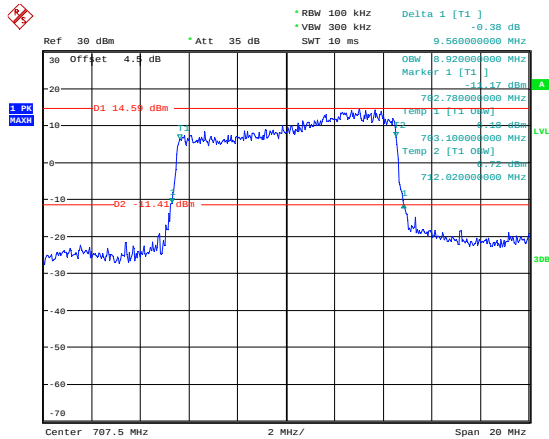
Date: 17.OCT.2020 17:38:35

10M, 16QAM, Low Channel



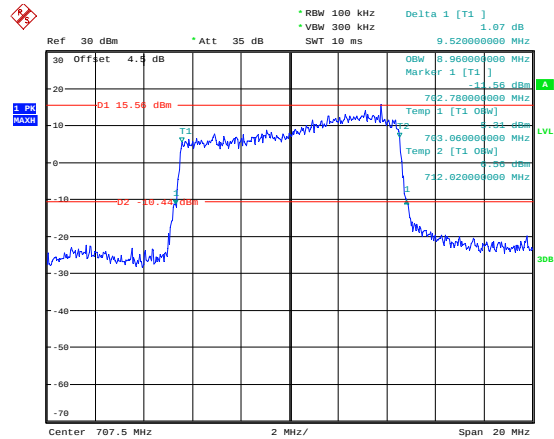
Date: 17.OCT.2020 17:29:29

10M, QPSK, Middle Channel



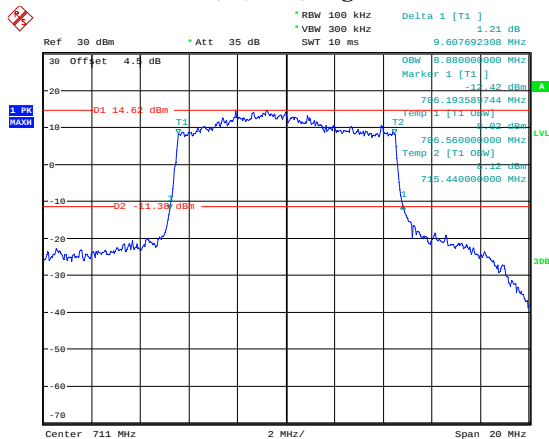
Date: 17.OCT.2020 14:29:59

10M, 16QAM, Middle Channel



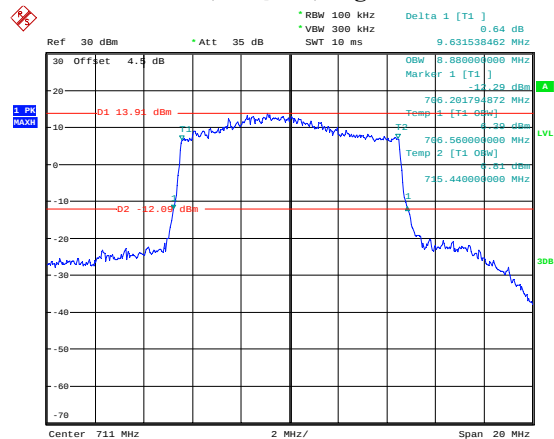
Date: 17.OCT.2020 14:38:23

10M, QPSK, High Channel



Date: 17.OCT.2020 17:33:31

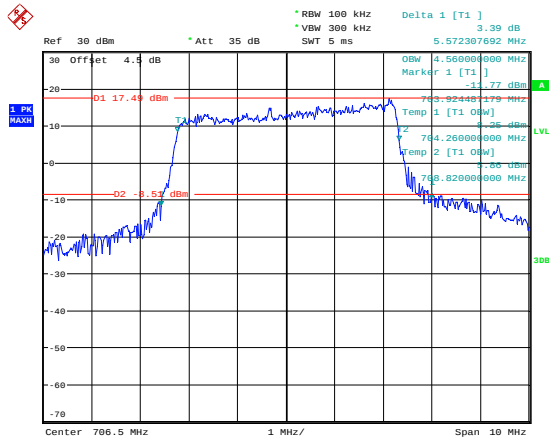
10M, 16QAM, High Channel



Date: 17.OCT.2020 17:34:46

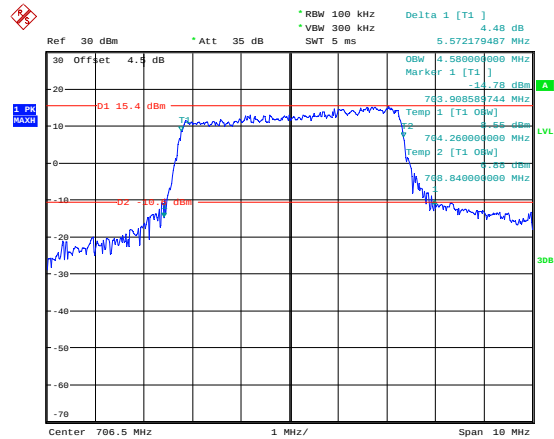
LTE Band 17:

5M, QPSK, Low Channel



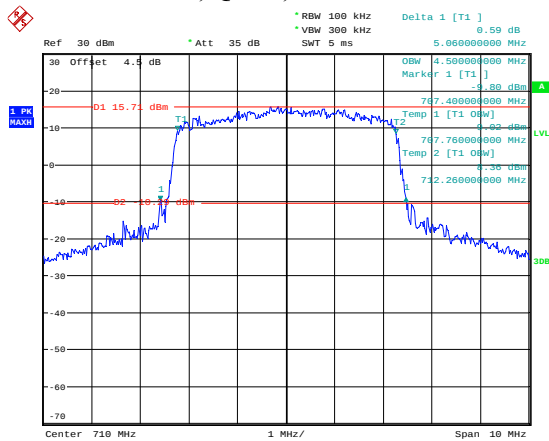
Date: 17.OCT.2020 17:48:06

5M, 16QAM, Low Channel



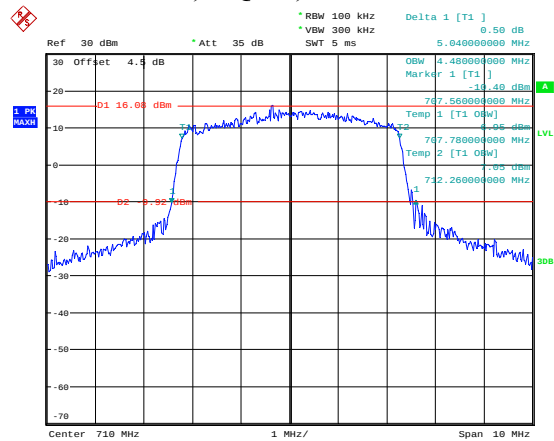
Date: 17.OCT.2020 17:49:05

5M, QPSK, Middle Channel



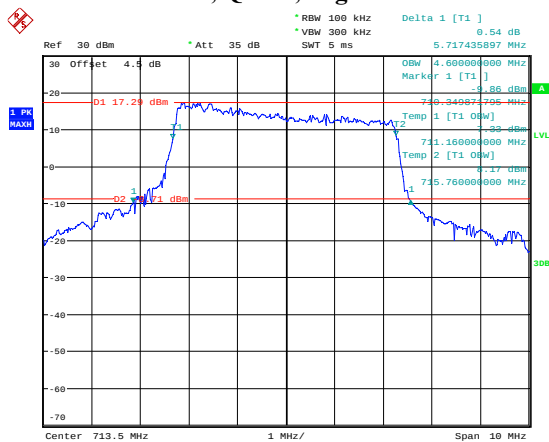
Date: 17.OCT.2020 14:30:53

5M, 16QAM, Middle Channel



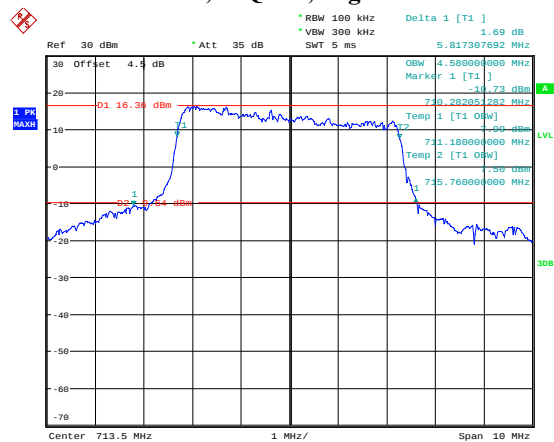
Date: 17.OCT.2020 14:31:20

5M, QPSK, High Channel



Date: 17.OCT.2020 17:57:23

5M, 16QAM, High Channel



Date: 17.OCT.2020 17:56:29

Date: 17.OCT.2020 17:51:15

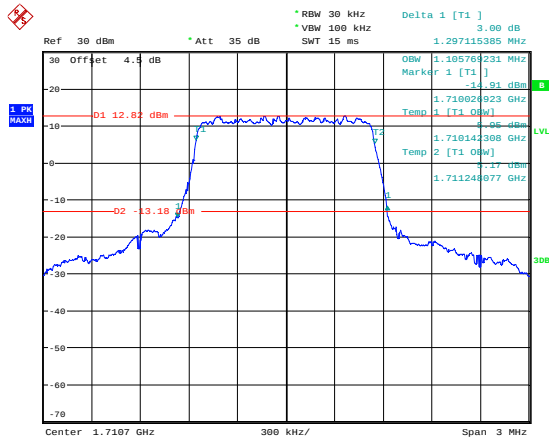
Date: 17.OCT.2020 17:50:26

Date: 17.OCT.2020 14:31:47

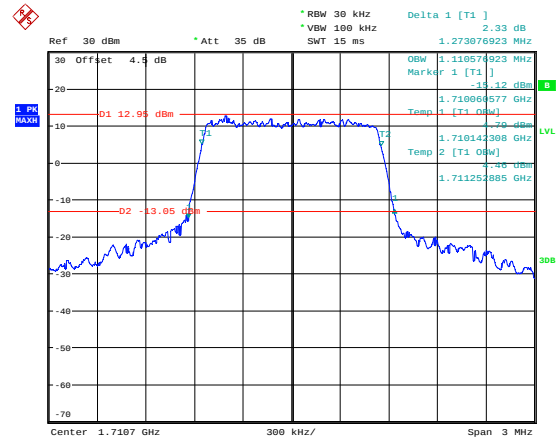
Date: 17.OCT.2020 14:32:12

Date: 17.OCT.2020 17:52:31

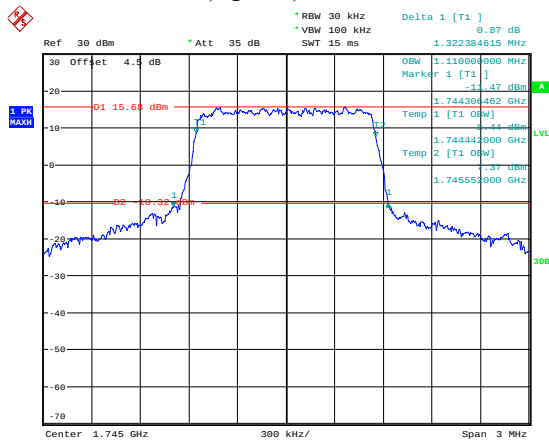
Date: 17.OCT.2020 17:54:05

LTE Band 66:**1.4M, QPSK, Low Channel**

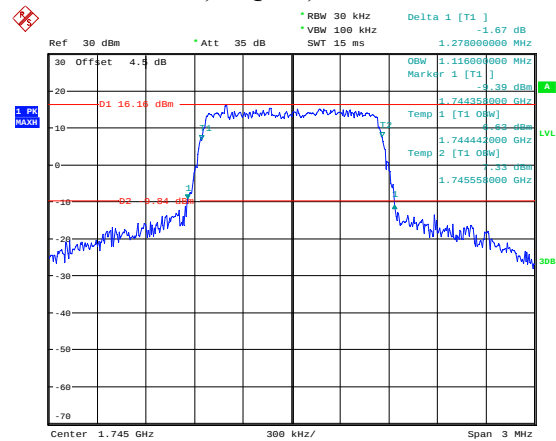
Date: 17.OCT.2020 17:59:32

1.4M, 16QAM, Low Channel

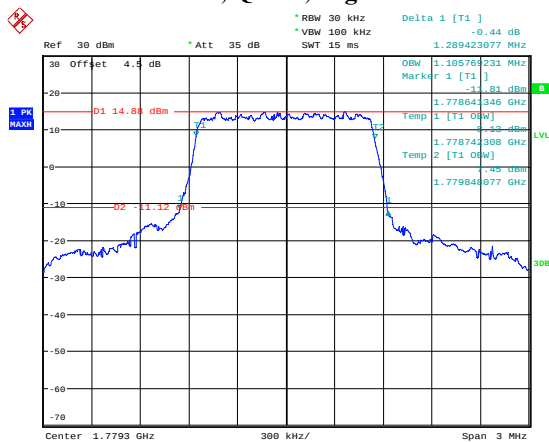
Date: 17.OCT.2020 18:00:25

1.4M, QPSK, Middle Channel

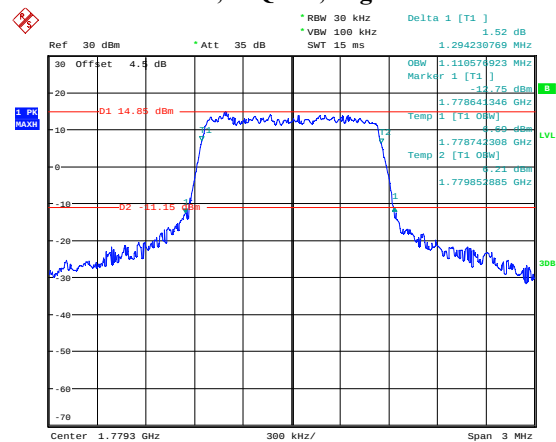
Date: 17.OCT.2020 15:01:35

1.4M, 16QAM, Middle Channel

Date: 17.OCT.2020 14:33:02

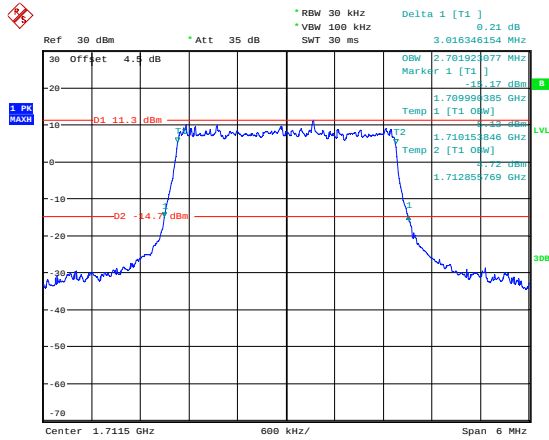
1.4M, QPSK, High Channel

Date: 17.OCT.2020 18:31:38

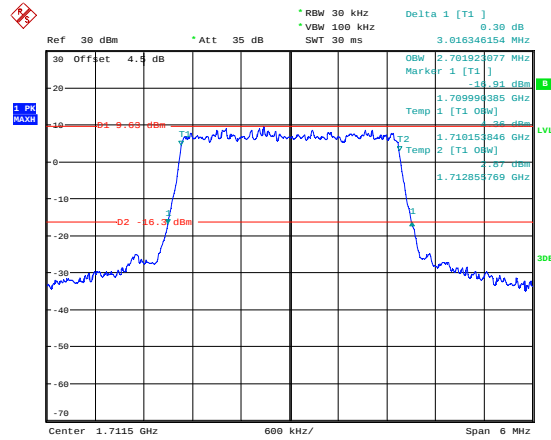
1.4M, 16QAM, High Channel

Date: 17.OCT.2020 18:30:45

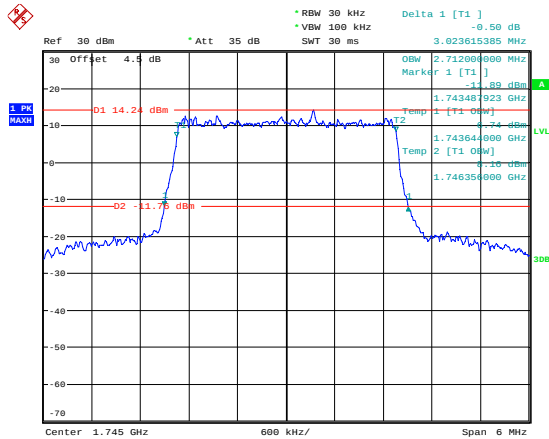
3M, QPSK, Low Channel



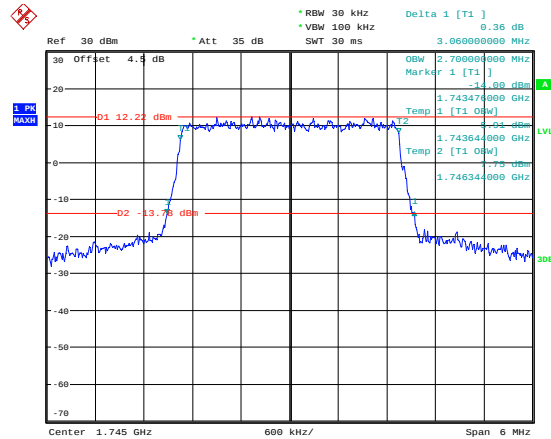
3M, 16QAM, Low Channel



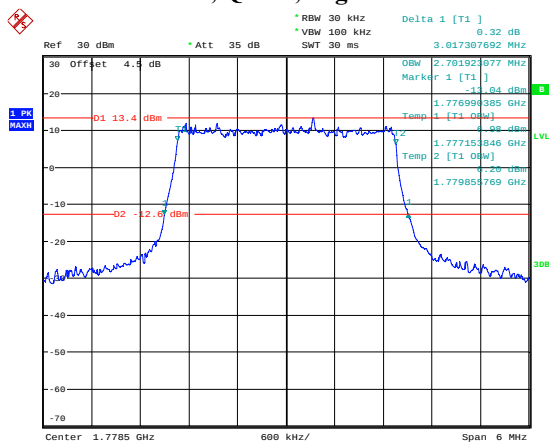
3M, QPSK, Middle Channel



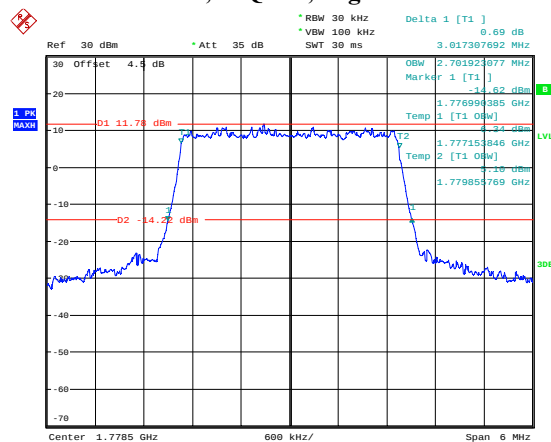
3M, 16QAM, Middle Channel



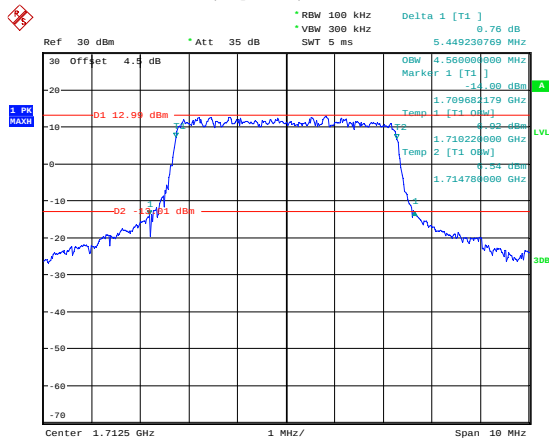
3M, QPSK, High Channel



3M, 16QAM, High Channel

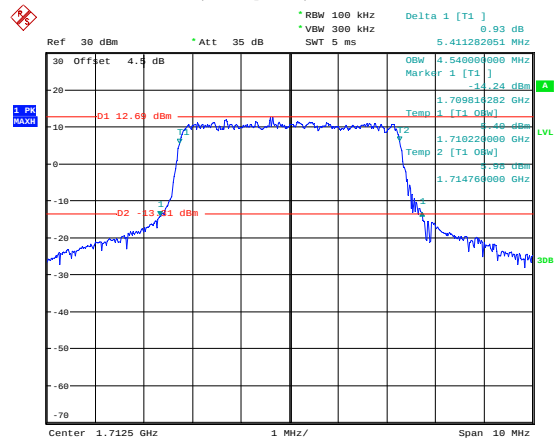


5M, QPSK, Low Channel



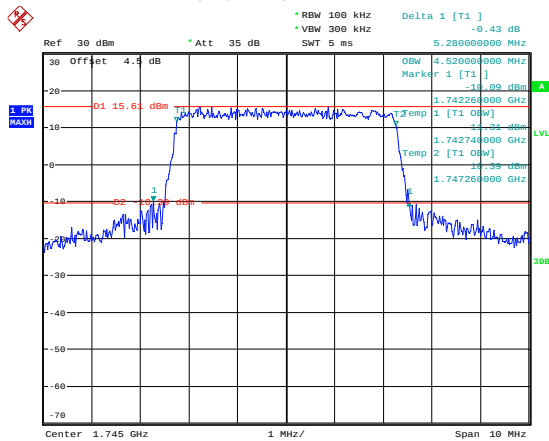
Date: 17.OCT.2020 18:04:04

5M, 16QAM, Low Channel



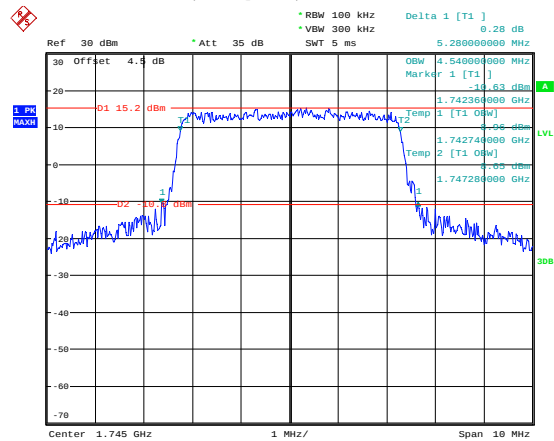
Date: 17.OCT.2020 18:05:03

5M, QPSK, Middle Channel



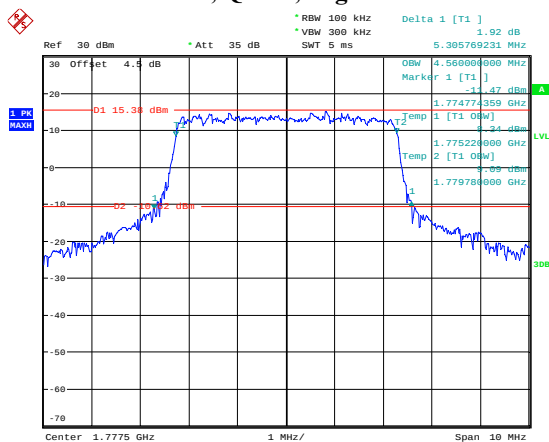
Date: 17.OCT.2020 14:34:21

5M, 16QAM, Middle Channel



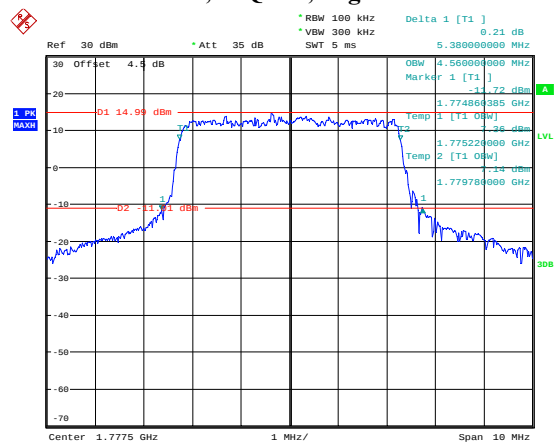
Date: 17.OCT.2020 14:34:51

5M, QPSK, High Channel



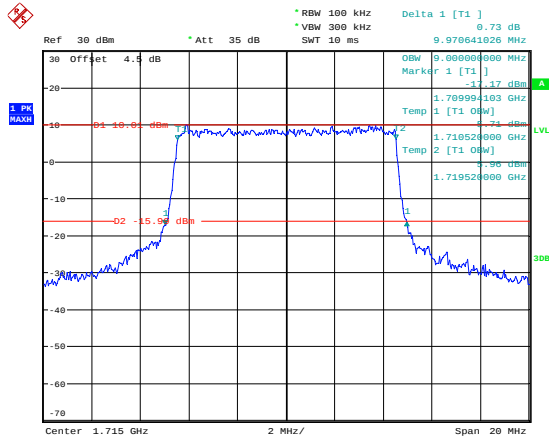
Date: 17.OCT.2020 18:26:19

5M, 16QAM, High Channel



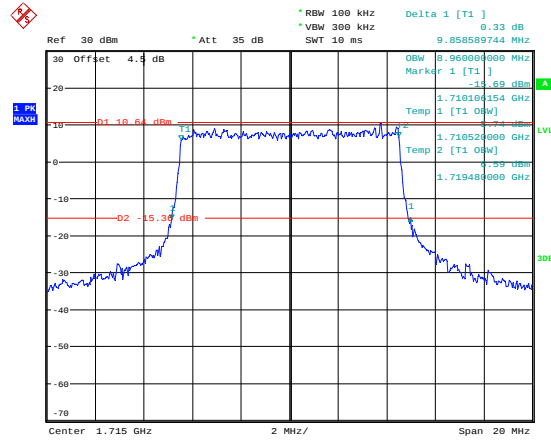
Date: 17.OCT.2020 18:25:11

10M, QPSK, Low Channel



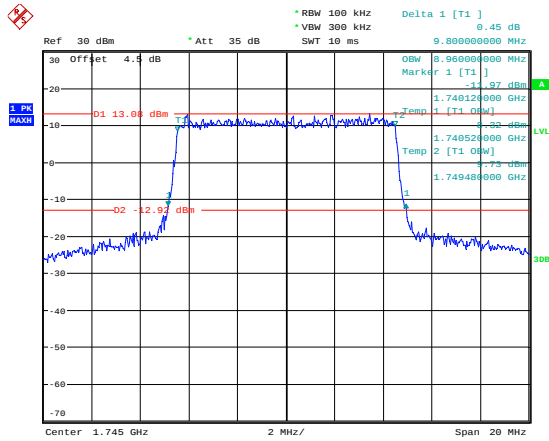
Date: 17.OCT.2020 18:07:07

10M, 16QAM, Low Channel



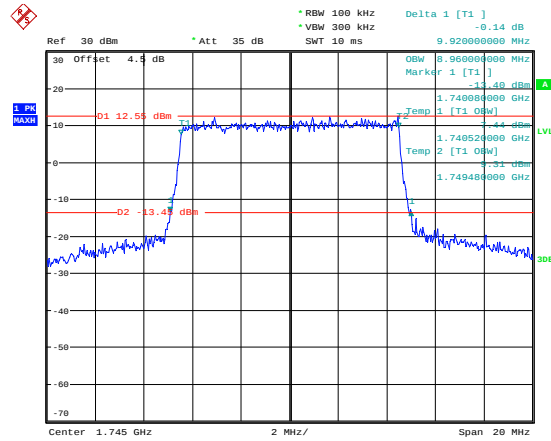
Date: 17.OCT.2020 18:06:13

10M, QPSK, Middle Channel



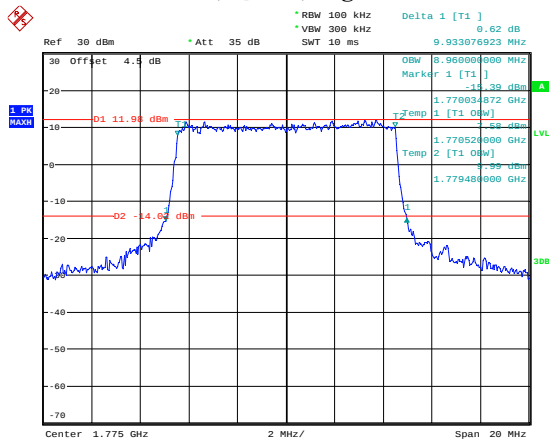
Date: 17.OCT.2020 14:35:19

10M, 16QAM, Middle Channel



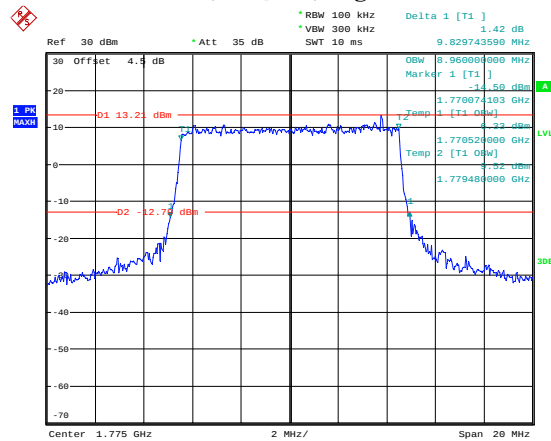
Date: 17.OCT.2020 14:35:43

10M, QPSK, High Channel



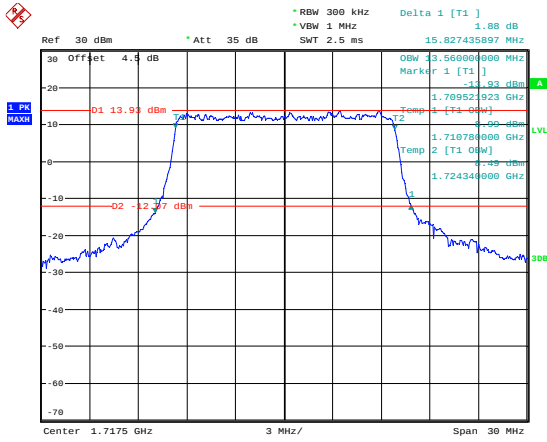
Date: 17.OCT.2020 18:22:40

10M, 16QAM, High Channel



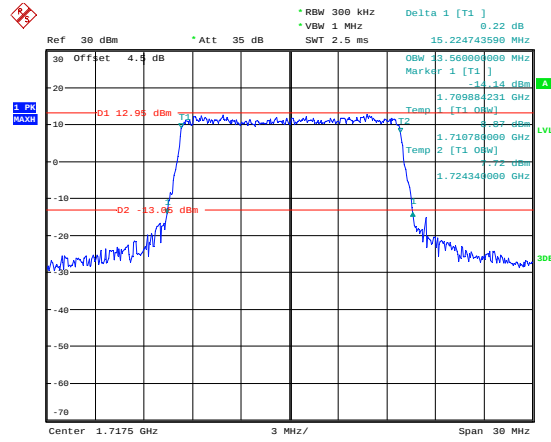
Date: 17.OCT.2020 18:23:40

15M, QPSK, Low Channel



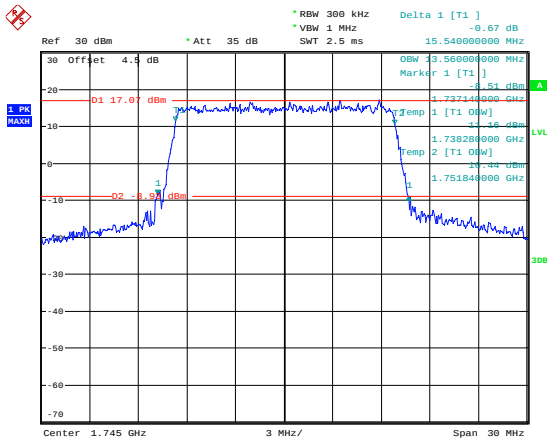
Date: 17.OCT.2020 18:11:17

15M, 16QAM, Low Channel



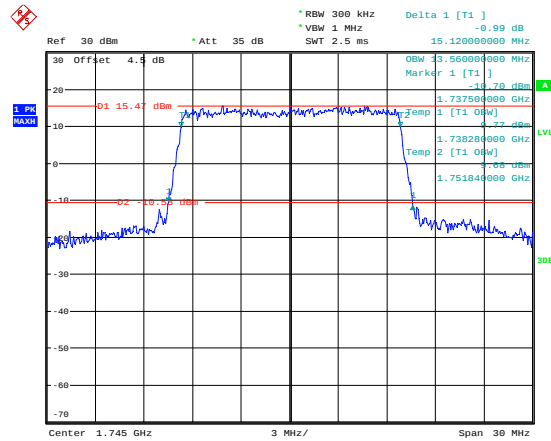
Date: 17.OCT.2020 18:10:03

15M, QPSK, Middle Channel



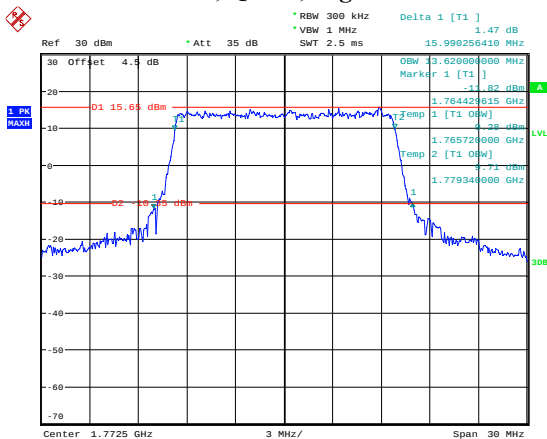
Date: 17.OCT.2020 14:36:26

15M, 16QAM, Middle Channel



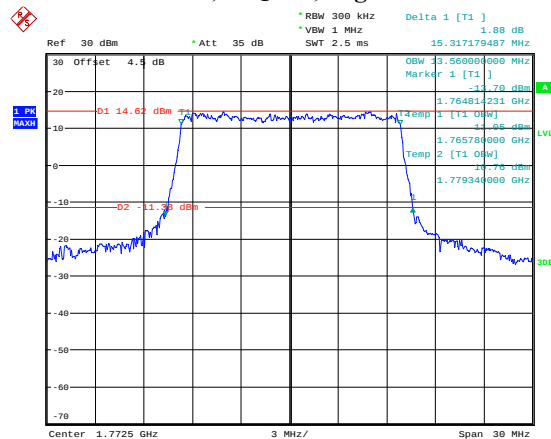
Date: 17.OCT.2020 14:37:00

15M, QPSK, High Channel



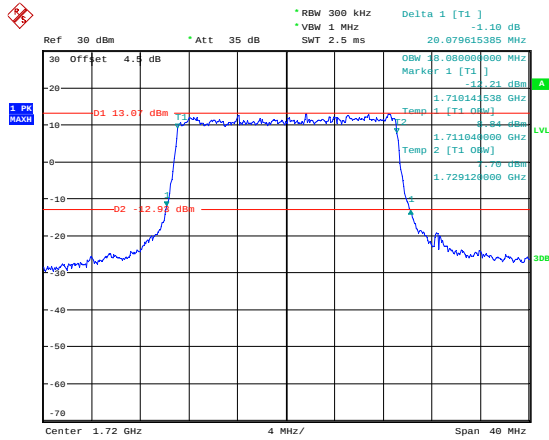
Date: 17.OCT.2020 18:20:00

15M, 16QAM, High Channel



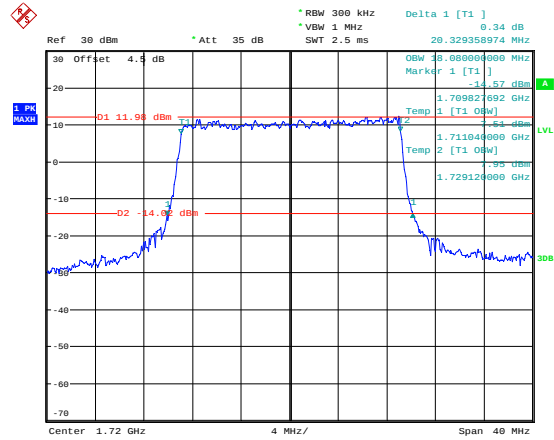
Date: 17.OCT.2020 18:20:58

20M, QPSK, Low Channel



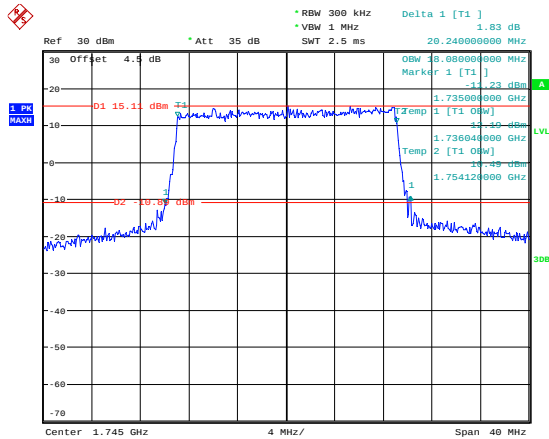
Date: 17.OCT.2020 18:13:01

20M, 16QAM, Low Channel



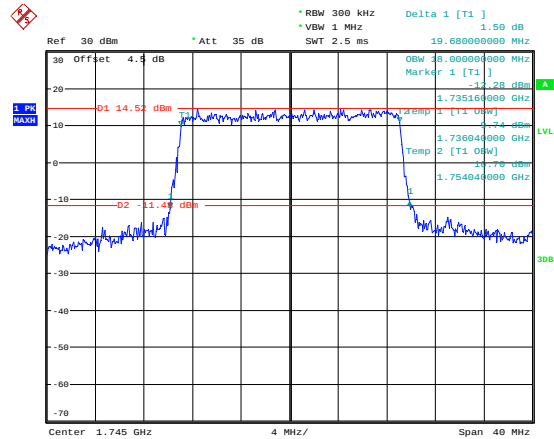
Date: 17.OCT.2020 18:14:12

20M, QPSK, Middle Channel



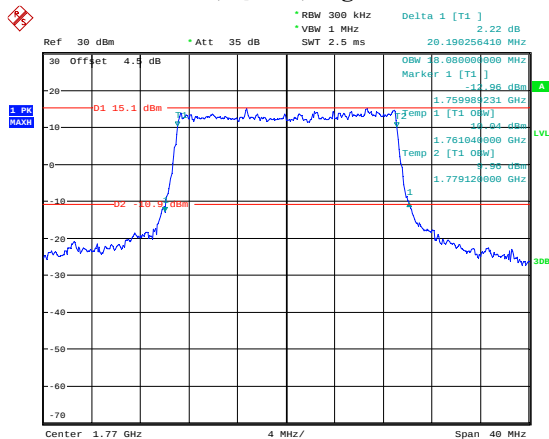
Date: 17.OCT.2020 14:37:33

20M, 16QAM, Middle Channel



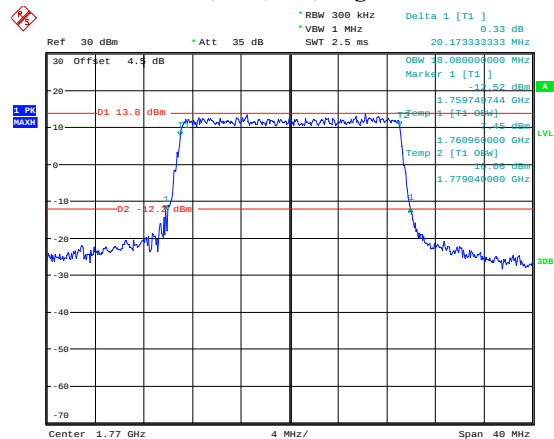
Date: 17.OCT.2020 14:38:03

20M, QPSK, High Channel



Date: 17.OCT.2020 18:18:09

20M, 16QAM, High Channel



Date: 17.OCT.2020 18:16:30

FCC §2.1051, §22.917(a) & §24.238(a) & §27.53- SPURIOUS EMISSIONS AT ANTENNA TERMINALS

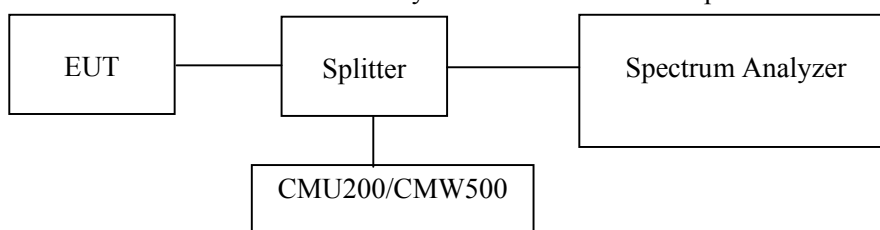
Applicable Standard

FCC §2.1051, §22.917(a) , §24.238(a) and §27.53.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2020-01-09	2021-01-09
R&S	Spectrum Analyzer	FSU 26	200256	2020-01-04	2021-01-04
Unknown	Coaxial Cable	C-SJ00-0010	C0010/04	Each time	N/A
E-Microwave	Blocking Control	EMDCB-00036	0E01201048	Each time	N/A
E-Microwave	Coaxial Attenuators	EMCA10-5RN-6	OE01203239	Each time	N/A
E-Microwave	Two-way Splitter	ODP-1-6-2S	OE0120142	Each time	N/A

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

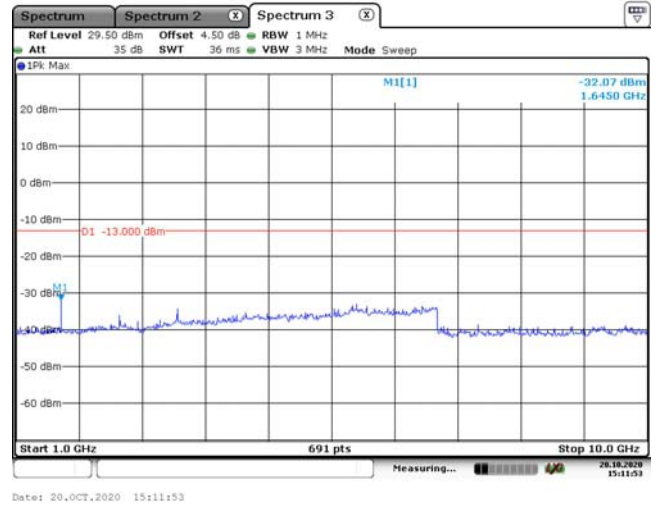
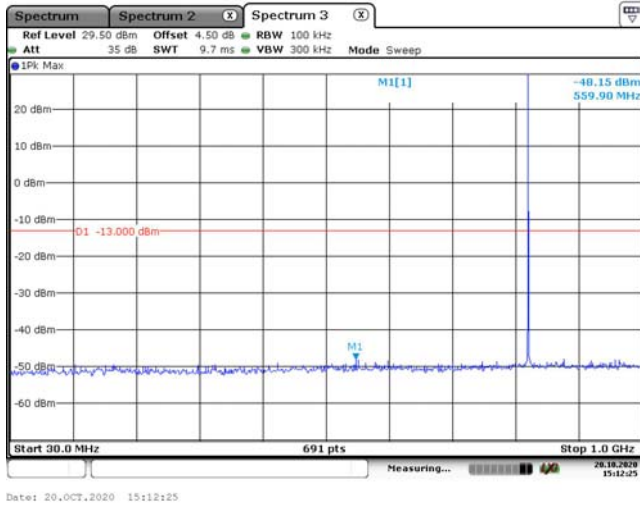
Test Data

Environmental Conditions

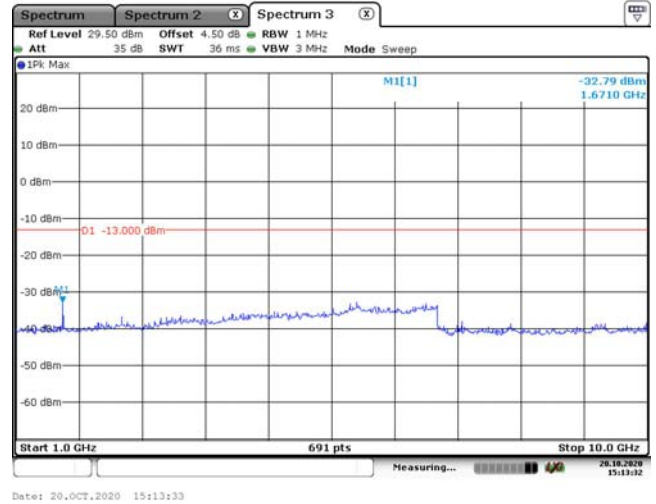
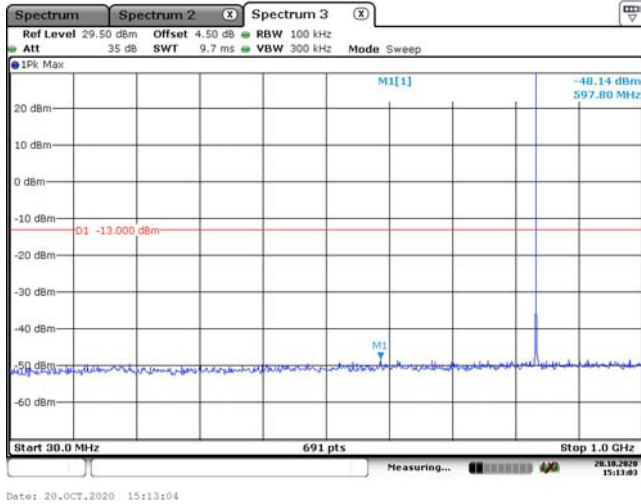
Temperature:	24.5~27.9 °C
Relative Humidity:	45~58%
ATM Pressure:	100.8~101.2kPa
Tester:	Chris Mo,Billy Li
Test Date:	2020-10-16~2020-10-20

Test Result: Compliance. Please refer to the following plots.

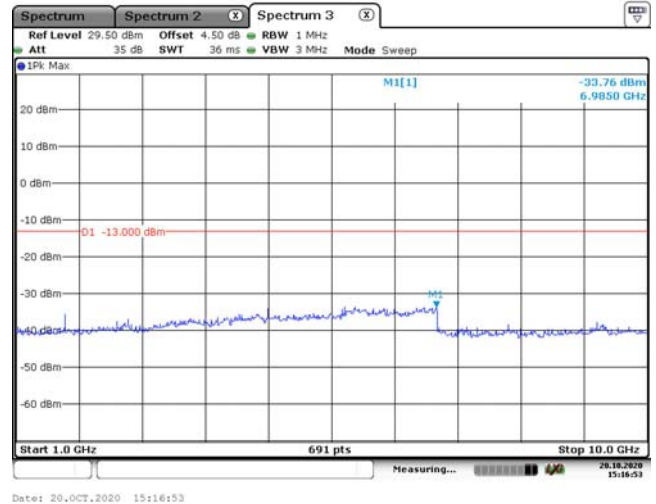
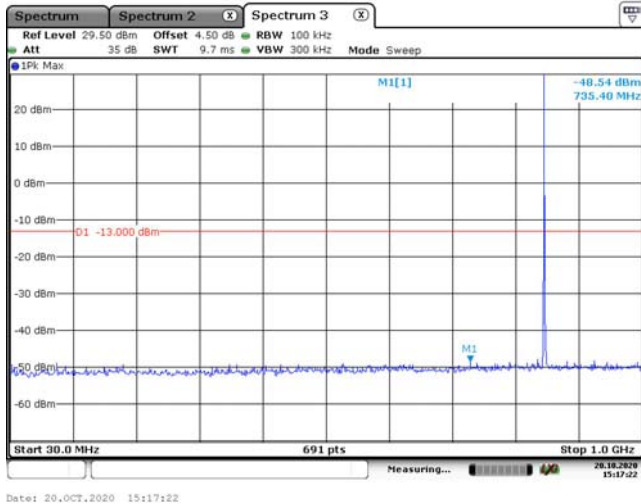
GSM 850, Low Channel



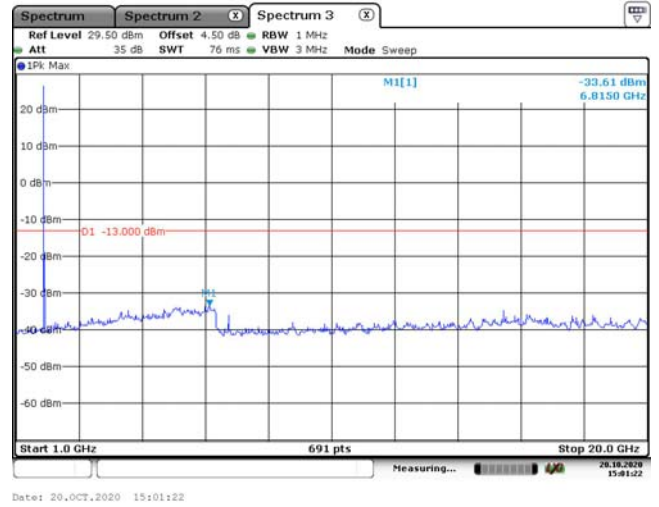
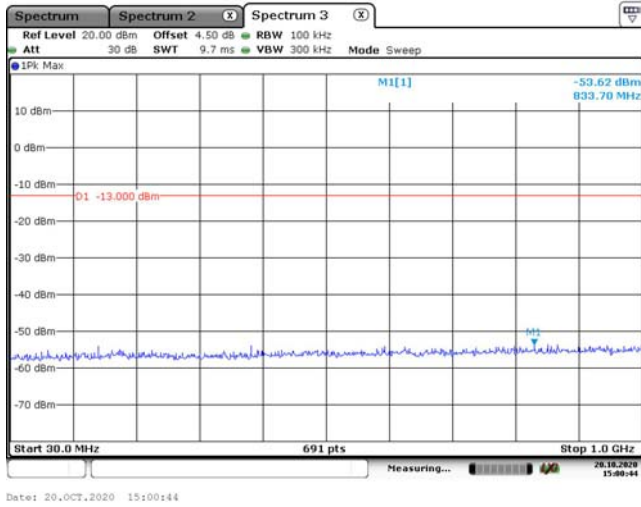
GSM 850, Middle Channel



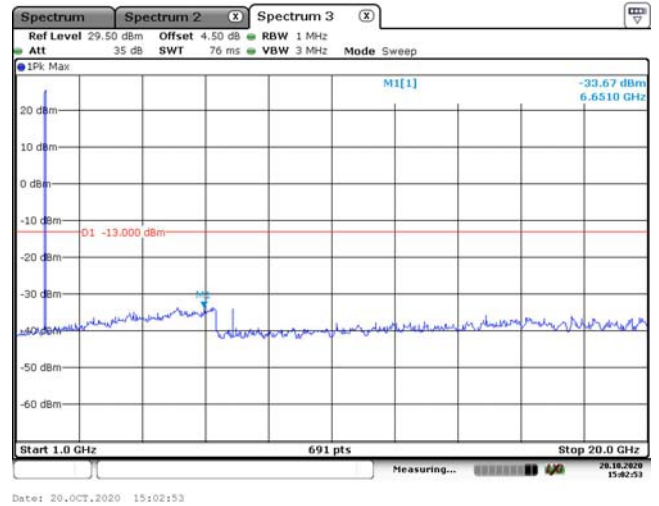
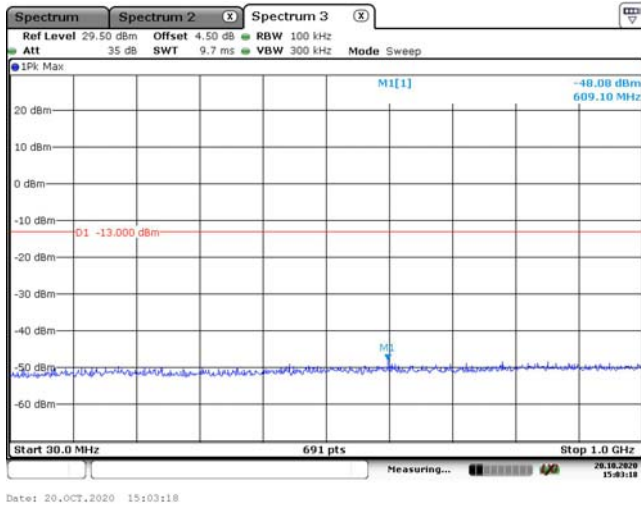
GSM 850, High Channel



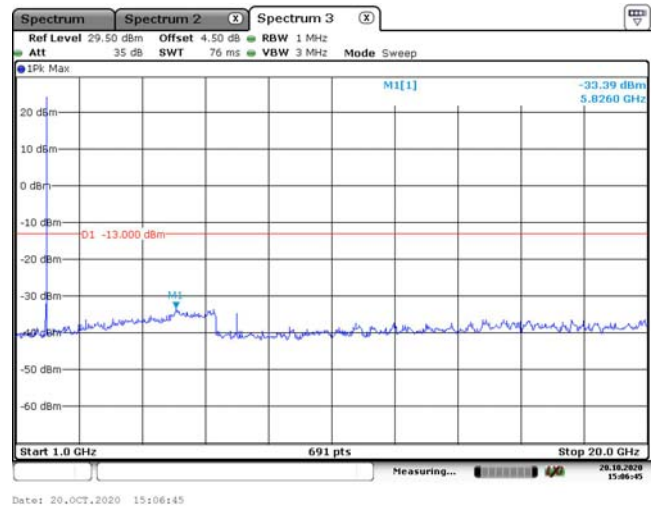
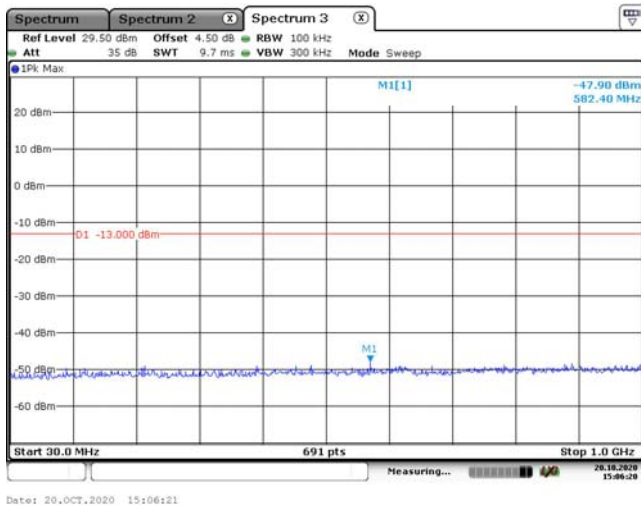
PCS 1900, Low Channel



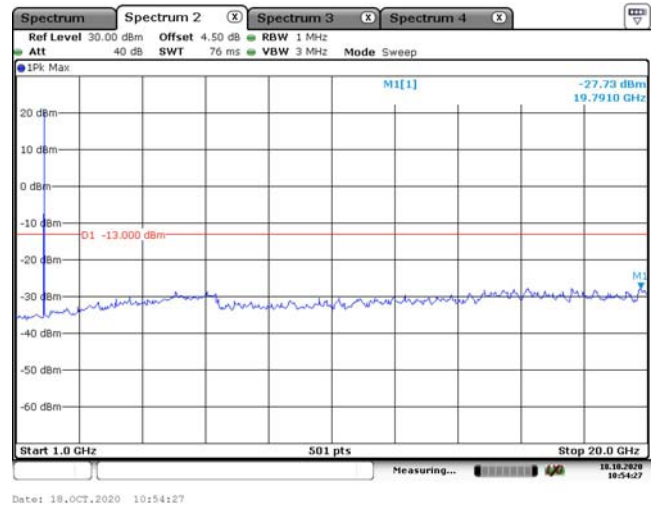
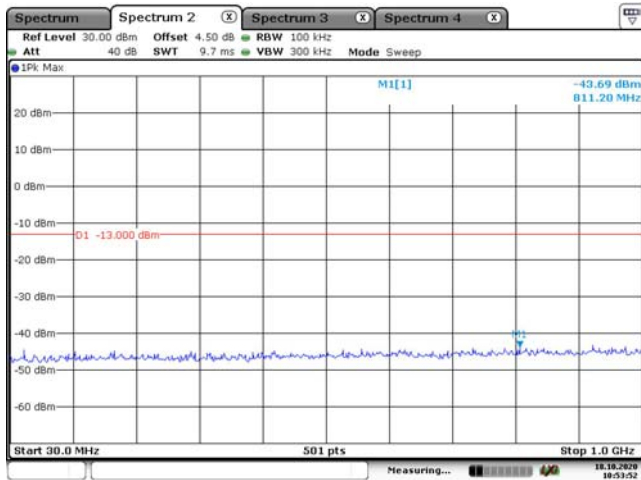
PCS 1900, Middle Channel



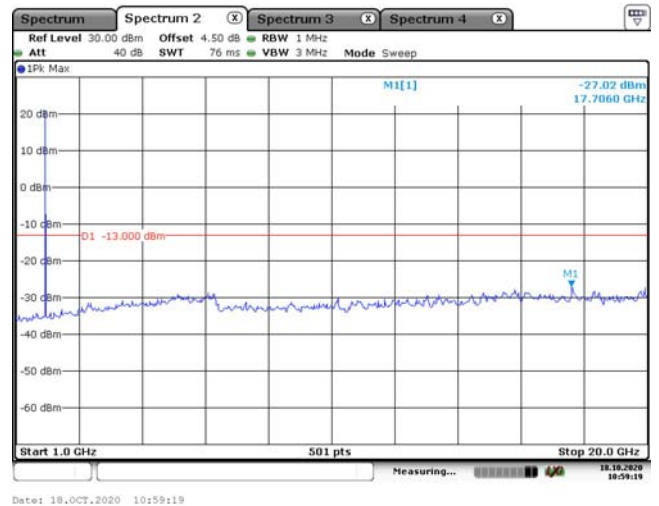
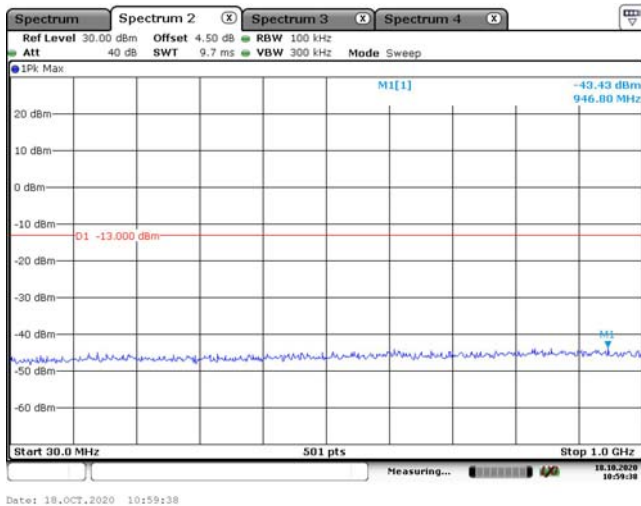
PCS 1900, High Channel



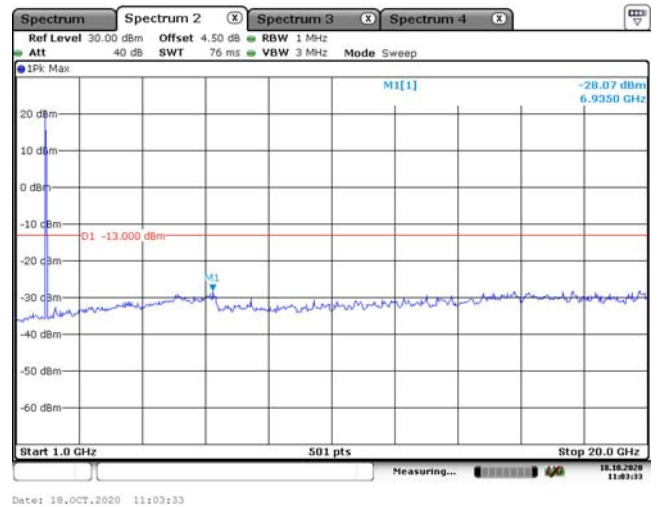
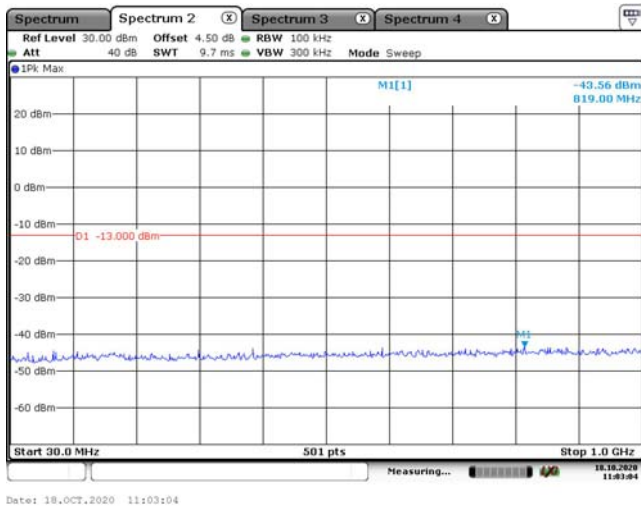
WCDMA Band II, R99, Low Channel



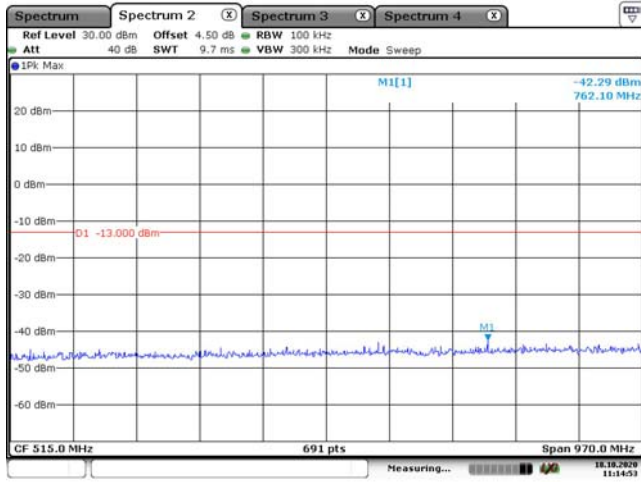
WCDMA Band II, R99, Middle Channel



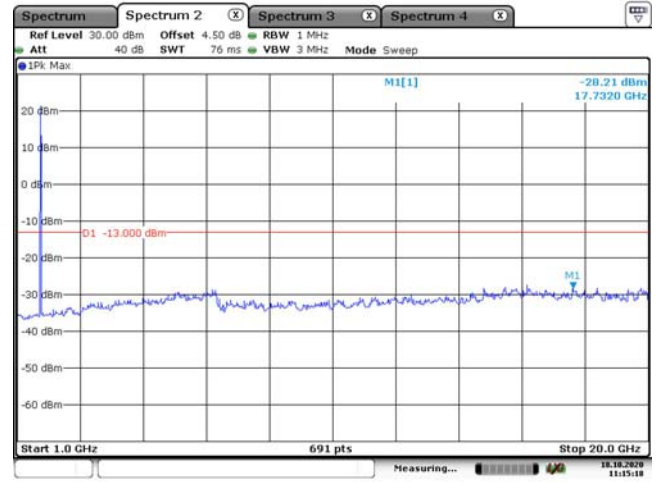
WCDMA Band II, R99, High Channel



WCDMA Band IV, R99, Low Channel

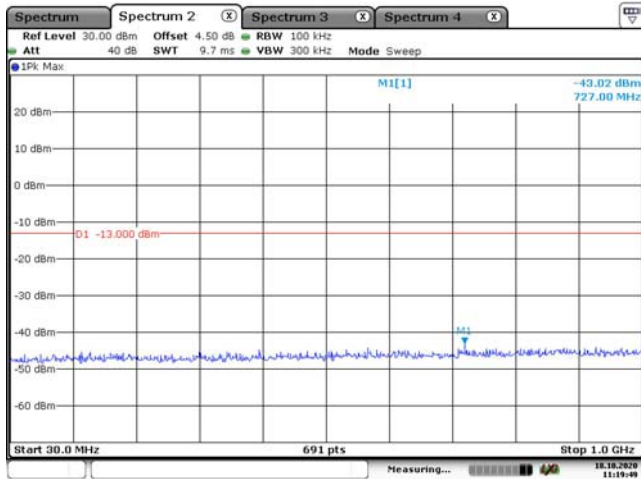


Date: 18.OCT.2020 11:14:53

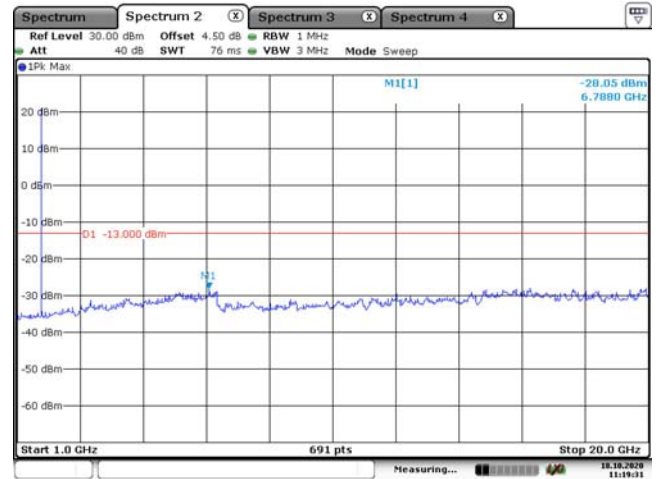


Date: 18.OCT.2020 11:15:18

WCDMA Band IV, R99, Middle Channel

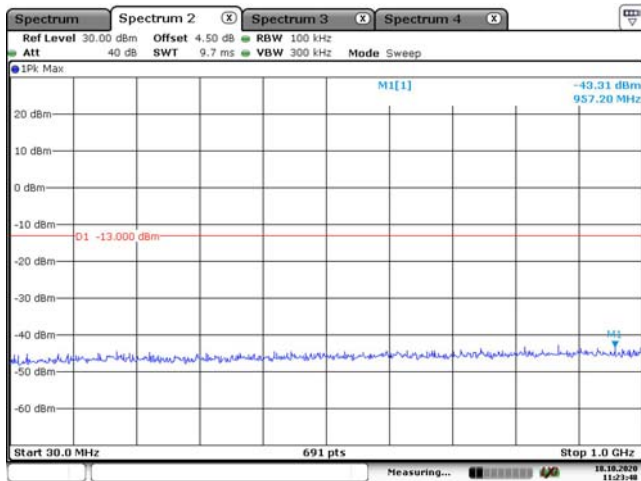


Date: 18.OCT.2020 11:19:49

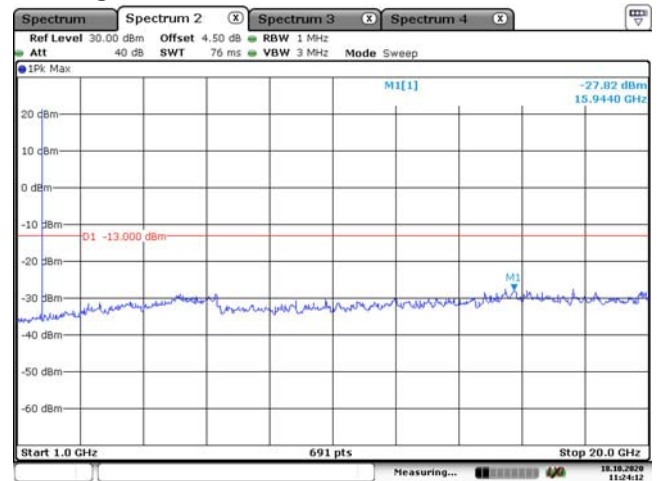


Date: 18.OCT.2020 11:19:31

WCDMA Band IV, R99, High Channel

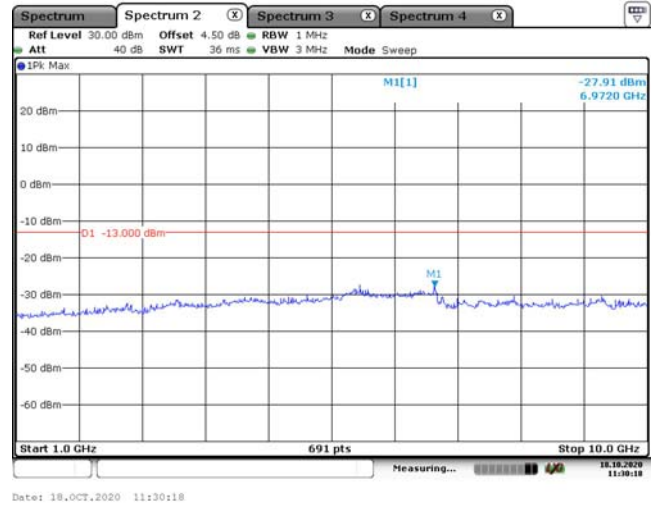
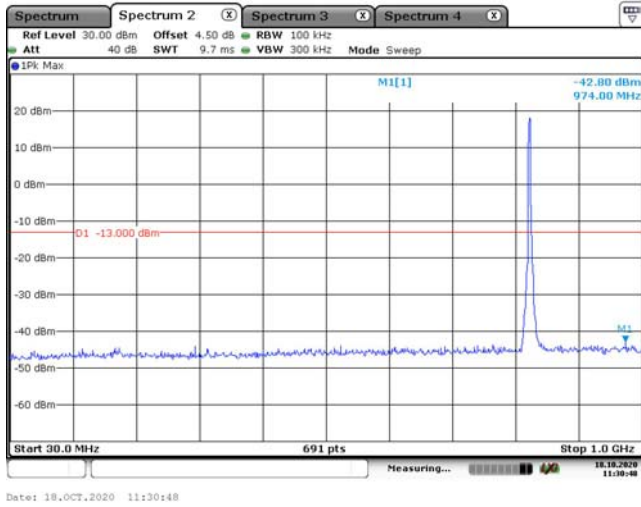


Date: 18.OCT.2020 11:23:48

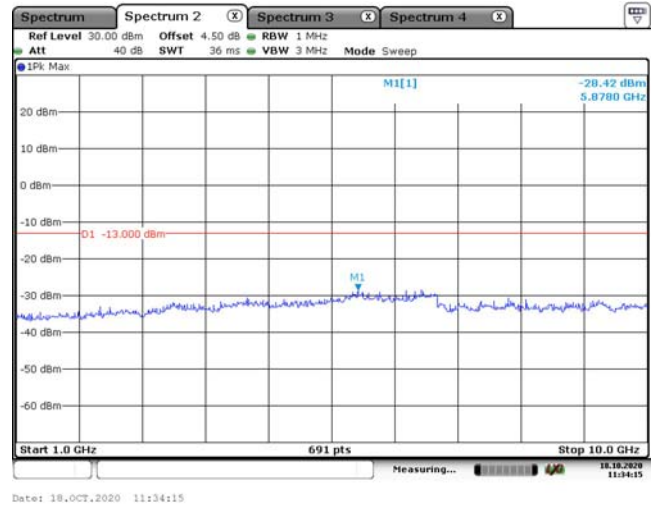
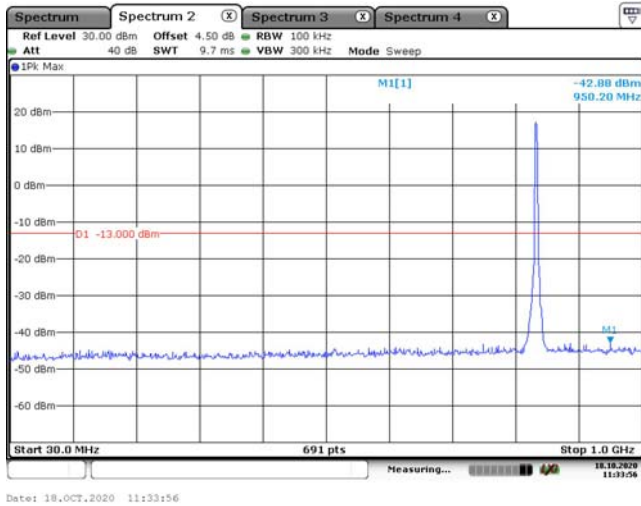


Date: 18.OCT.2020 11:24:12

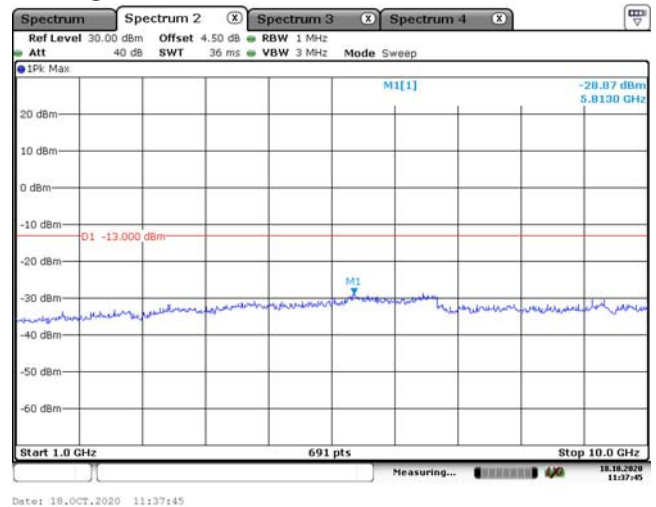
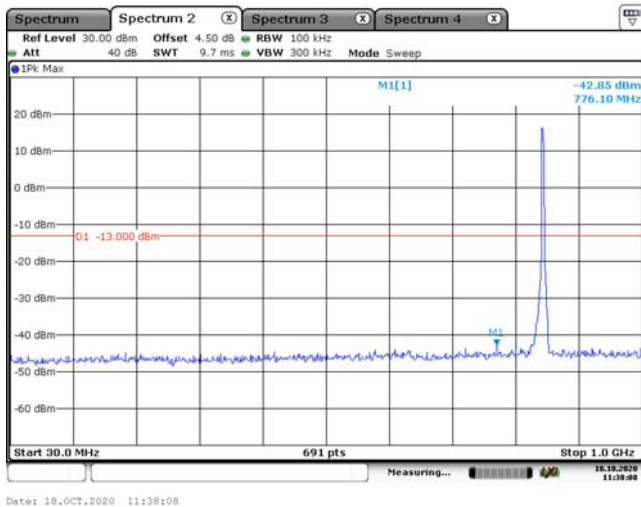
WCDMA Band V, R99, Low Channel



WCDMA Band V, R99, Middle Channel

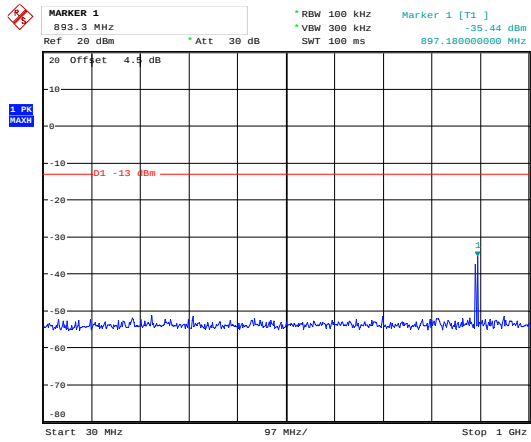


WCDMA Band V, R99, High Channel

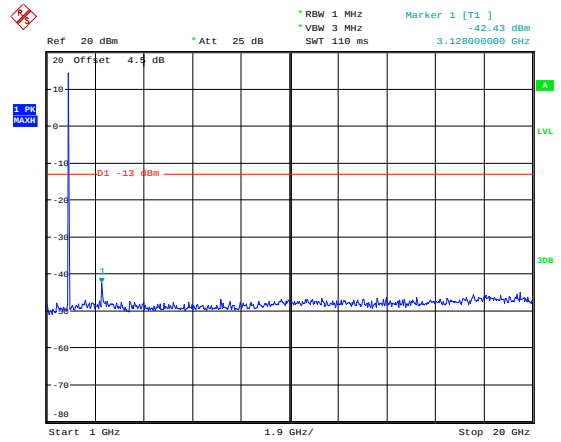


LTE Band 2:

1.4M, QPSK, Low Channel

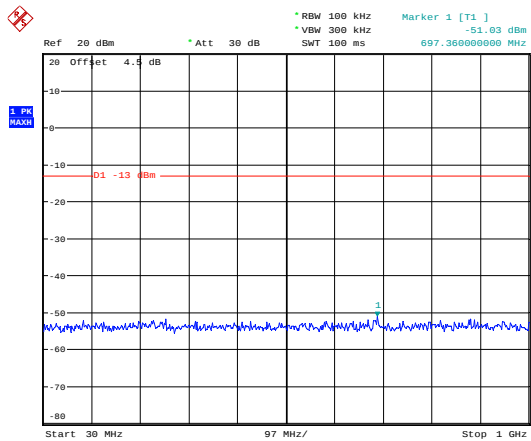


Date: 16.OCT.2020 09:22:38

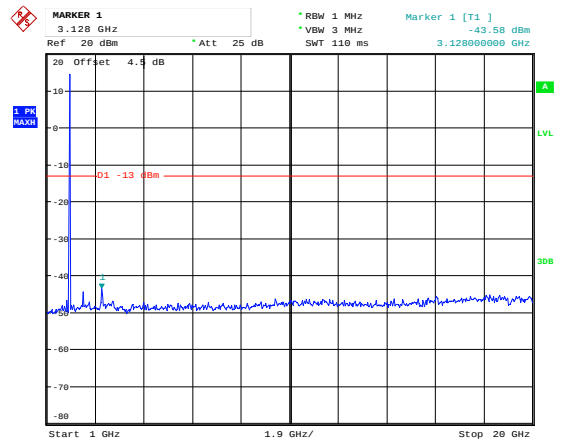


Date: 16.OCT.2020 09:22:53

1.4M, QPSK, Middle Channel

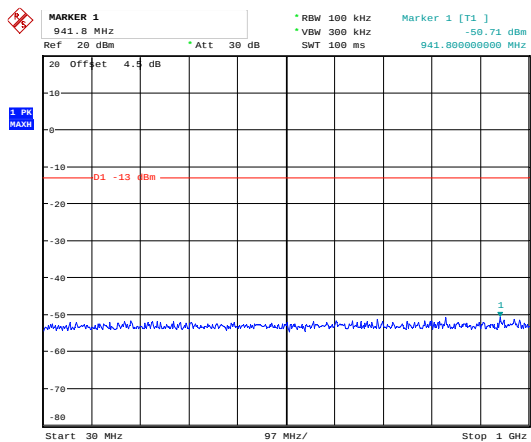


Date: 16.OCT.2020 08:58:55

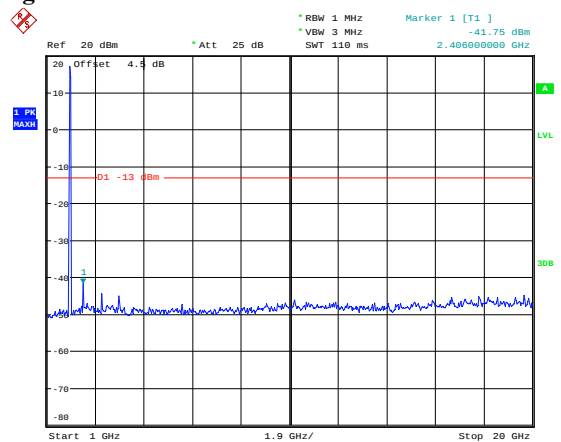


Date: 16.OCT.2020 09:01:39

1.4M, QPSK, High Channel

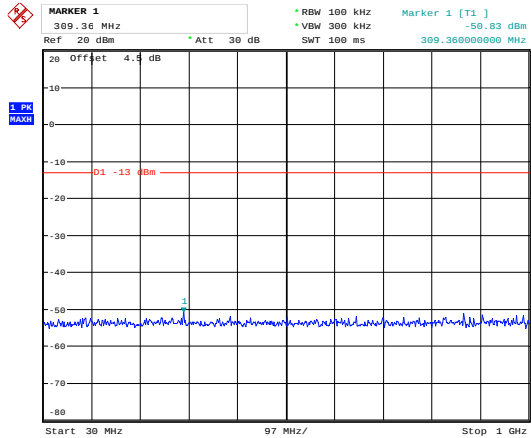


Date: 16.OCT.2020 09:57:51

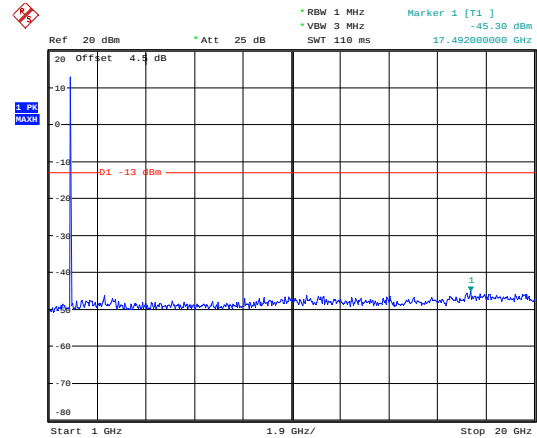


Date: 16.OCT.2020 09:58:06

3M, QPSK, Low Channel

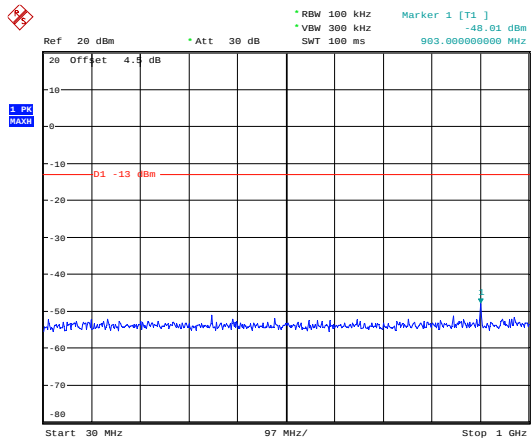


Date: 16.OCT.2020 09:23:43

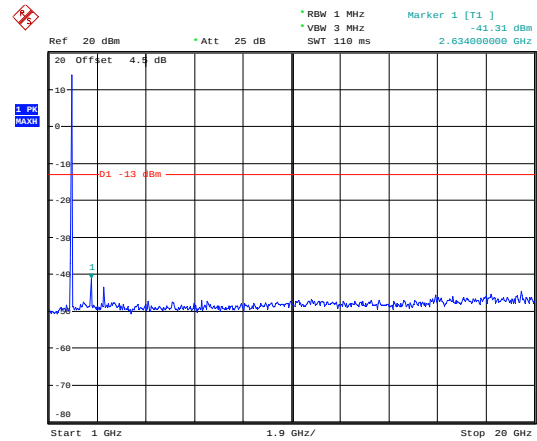


Date: 16.OCT.2020 09:23:58

3M, QPSK, Middle Channel

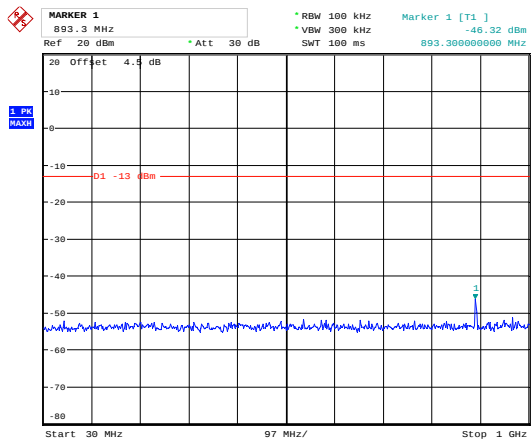


Date: 16.OCT.2020 09:02:01

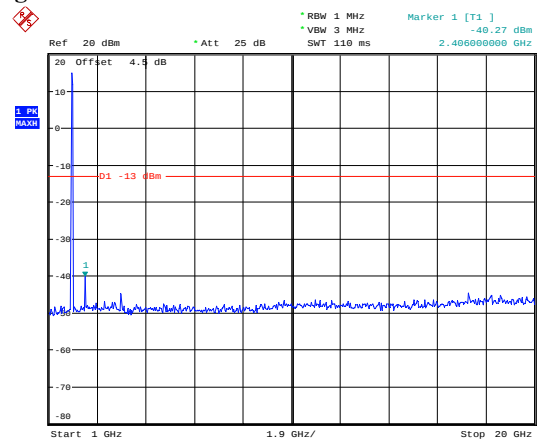


Date: 16.OCT.2020 09:02:15

3M, QPSK, High Channel

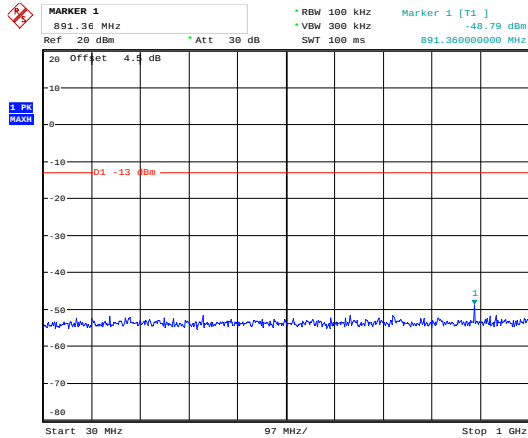


Date: 16.OCT.2020 09:58:56

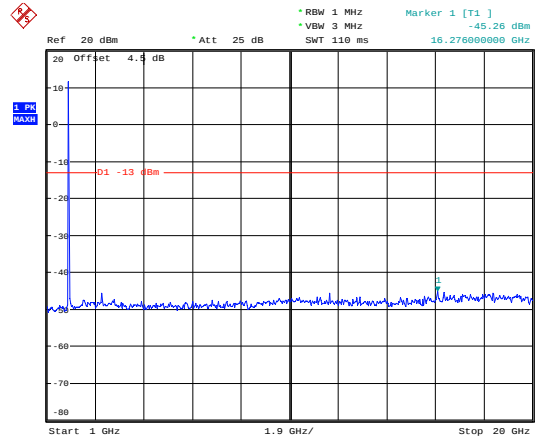


Date: 16.OCT.2020 09:59:10

5M, QPSK, Low Channel

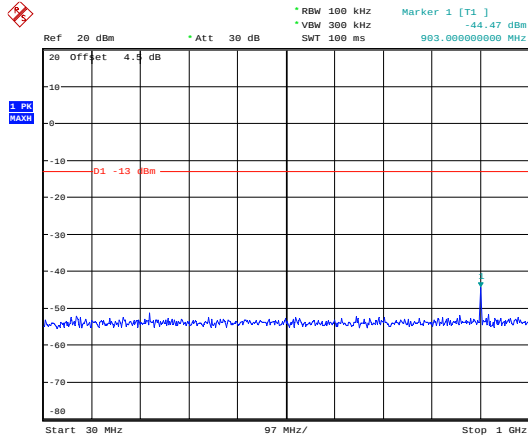


Date: 16.OCT.2020 09:24:51

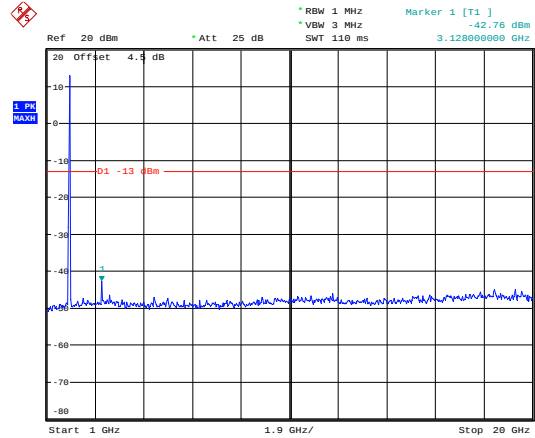


Date: 16.OCT.2020 09:25:06

5M, QPSK, Middle Channel

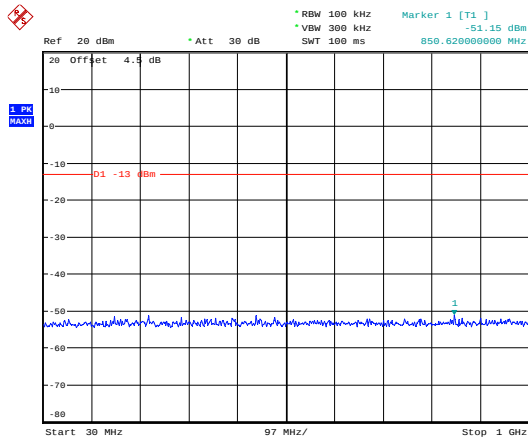


Date: 16.OCT.2020 09:02:37

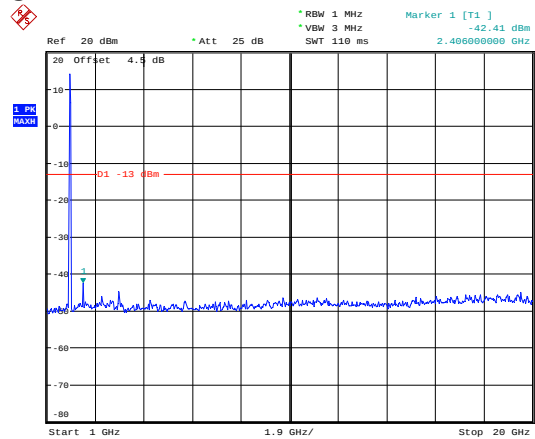


Date: 16.OCT.2020 09:02:51

5M, QPSK, High Channel

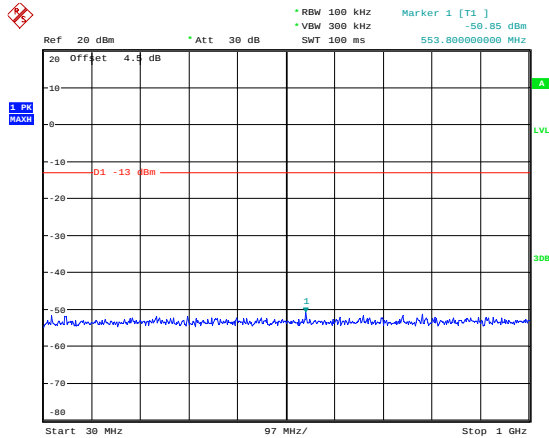


Date: 16.OCT.2020 09:59:53

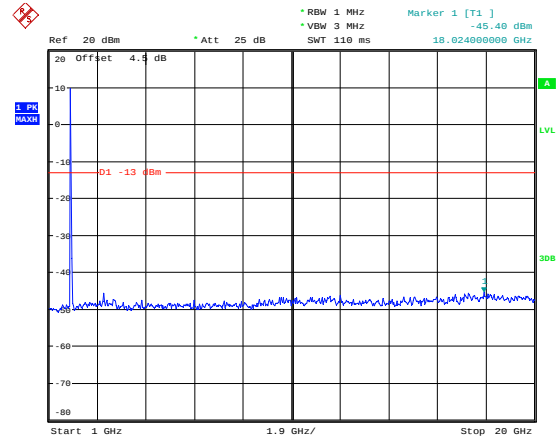


Date: 16.OCT.2020 10:00:07

10M, QPSK, Low Channel

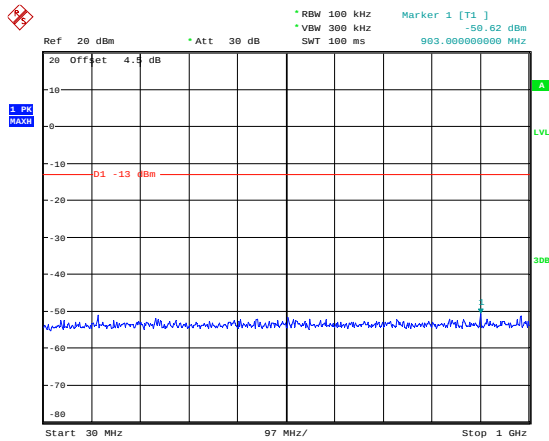


Date: 16.OCT.2020 09:25:37

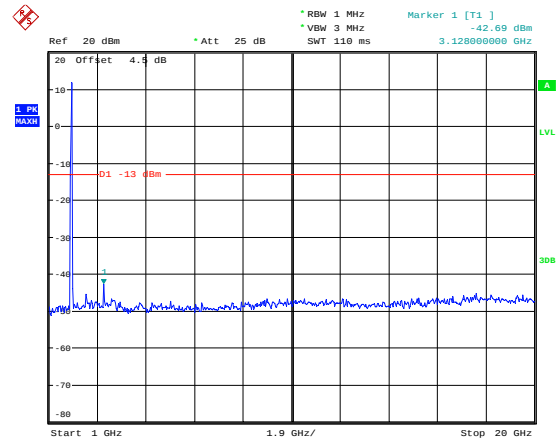


Date: 16.OCT.2020 09:25:51

10M, QPSK, Middle Channel

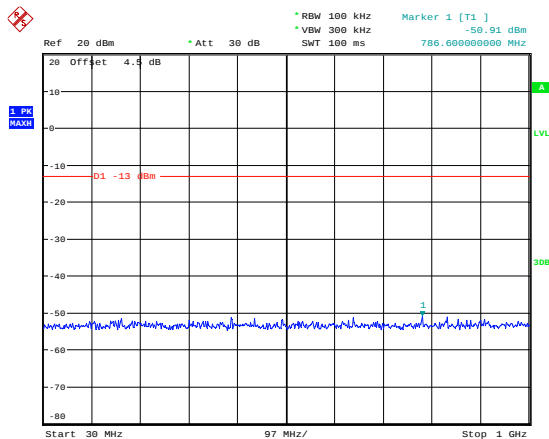


Date: 16.OCT.2020 09:03:17

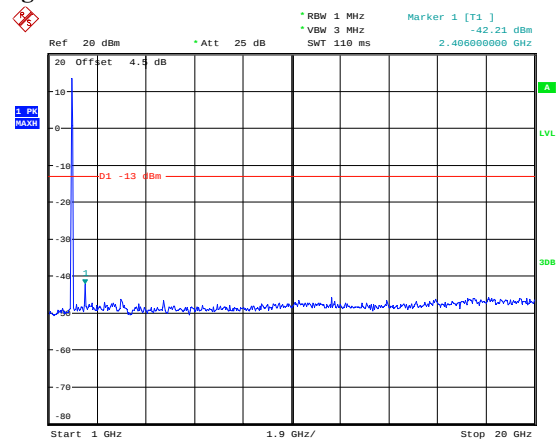


Date: 16.OCT.2020 09:03:31

10M, QPSK, High Channel

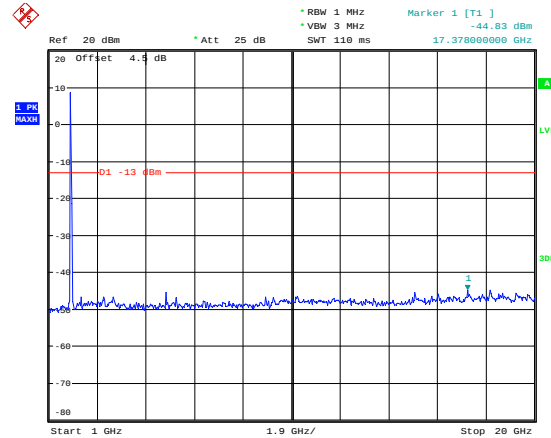
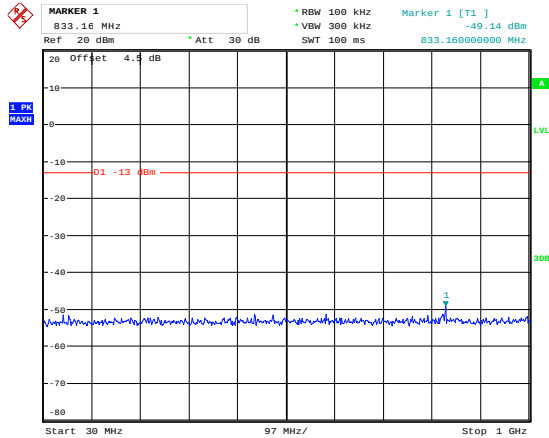


Date: 16.OCT.2020 10:00:48



Date: 16.OCT.2020 10:01:02

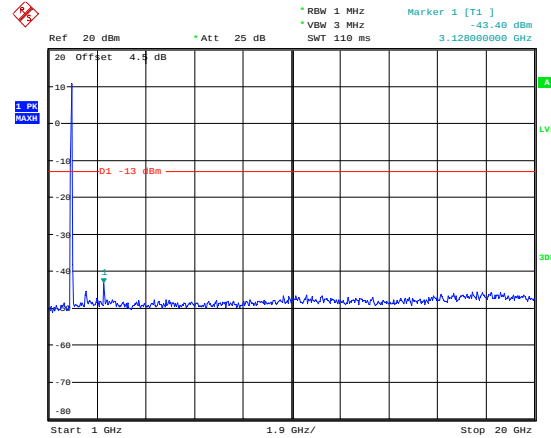
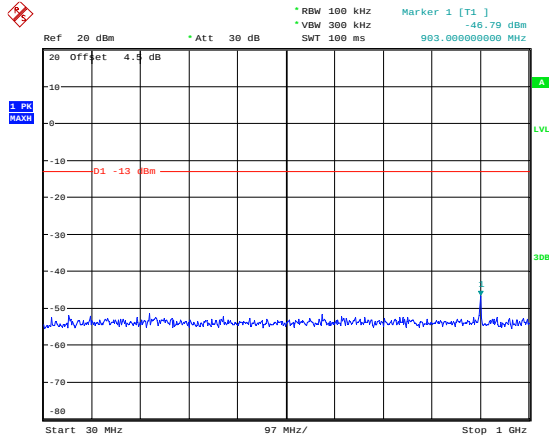
15M, QPSK, Low Channel



Date: 16.OCT.2020 09:26:35

Date: 16.OCT.2020 09:26:49

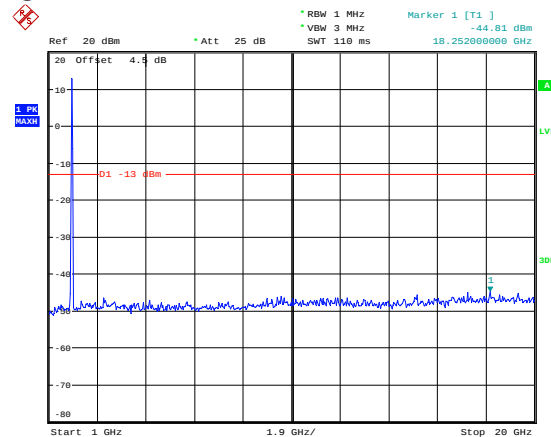
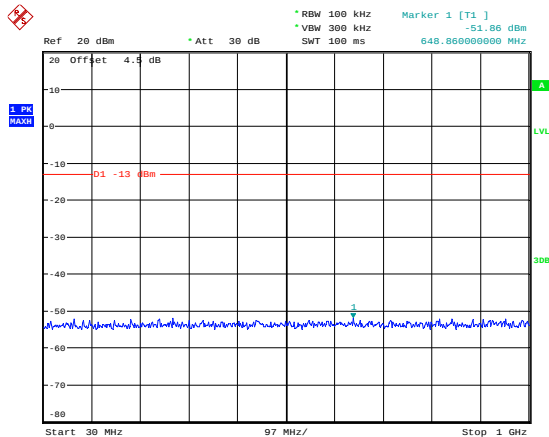
15M, QPSK, Middle Channel



Date: 16.OCT.2020 09:03:57

Date: 16.OCT.2020 09:04:11

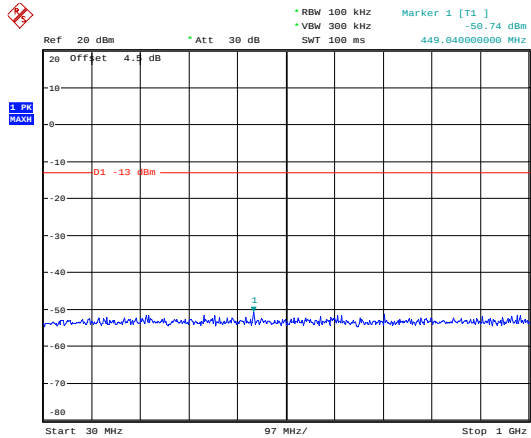
15M, QPSK, High Channel



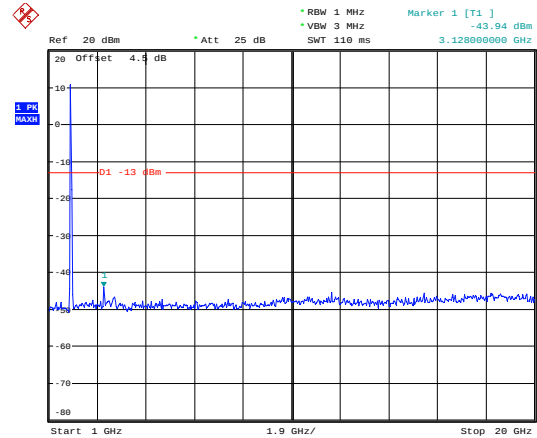
Date: 16.OCT.2020 10:02:58

Date: 16.OCT.2020 10:03:12

20M, QPSK, Low Channel

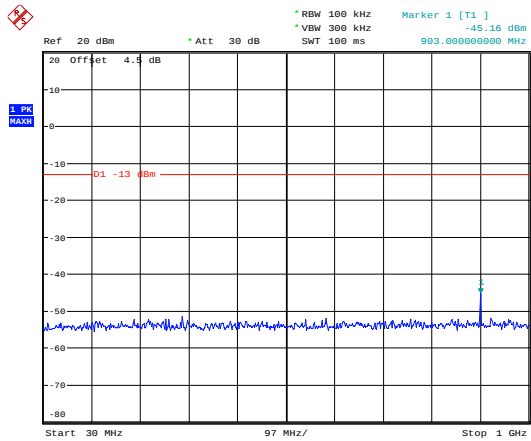


Date: 16.OCT.2020 09:27:32

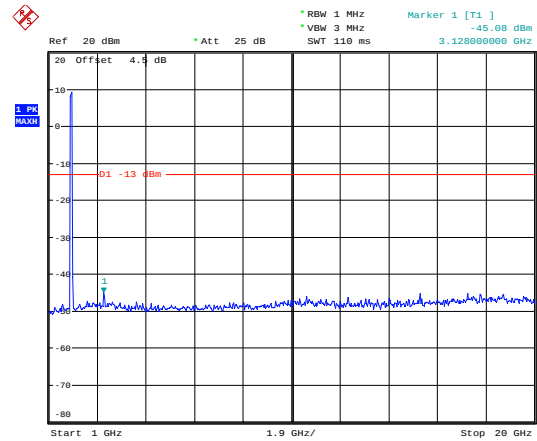


Date: 16.OCT.2020 09:27:45

20M, QPSK, Middle Channel

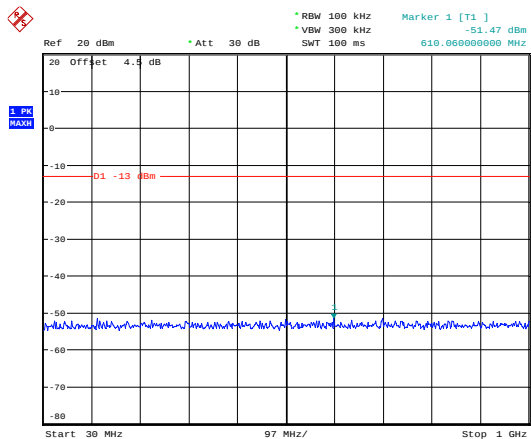


Date: 16.OCT.2020 09:04:37

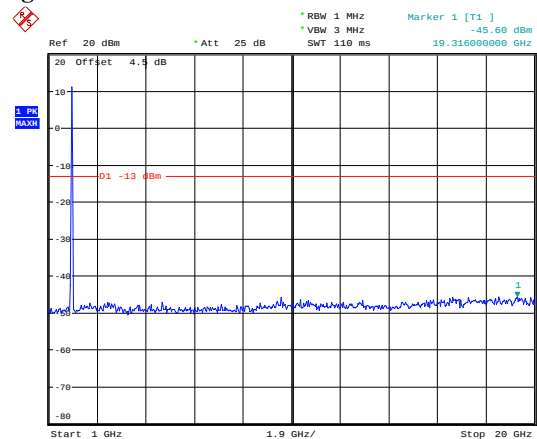


Date: 16.OCT.2020 09:04:51

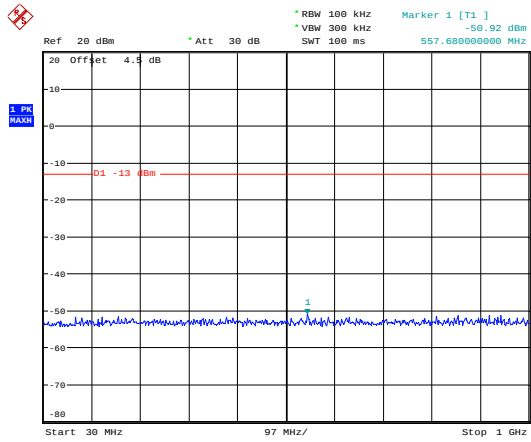
20M, QPSK, High Channel



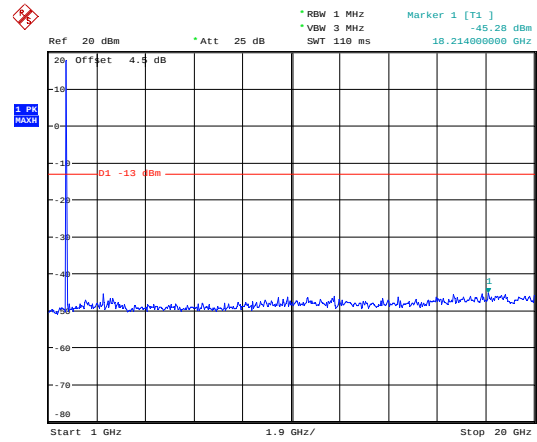
Date: 16.OCT.2020 10:03:55



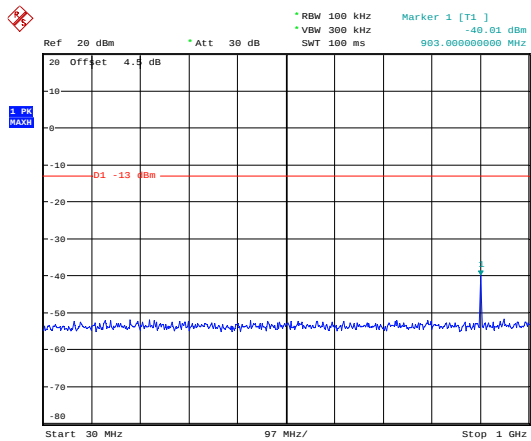
Date: 16.OCT.2020 10:04:09

LTE Band 4:**1.4M, QPSK, Low Channel**

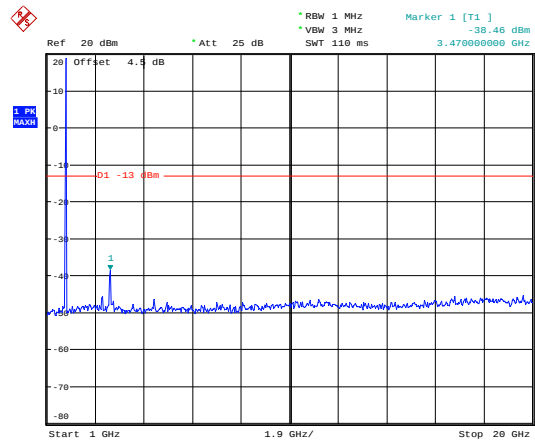
Date: 16.OCT.2020 09:28:31



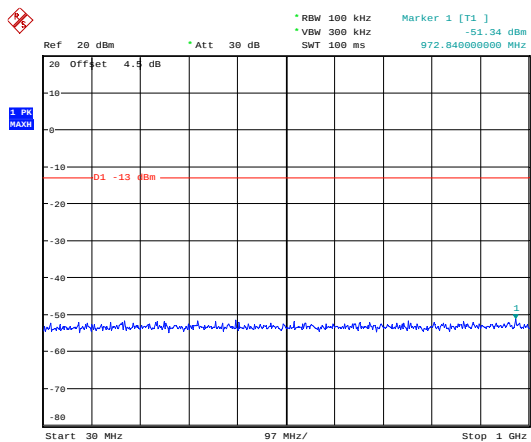
Date: 16.OCT.2020 09:28:45

1.4M, QPSK, Middle Channel

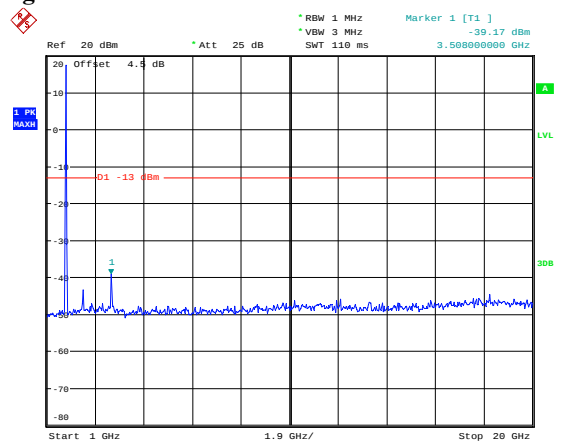
Date: 16.OCT.2020 09:05:15



Date: 16.OCT.2020 09:05:28

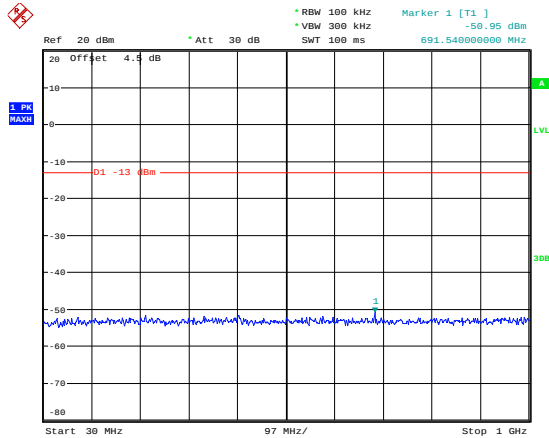
1.4M, QPSK, High Channel

Date: 16.OCT.2020 10:04:48

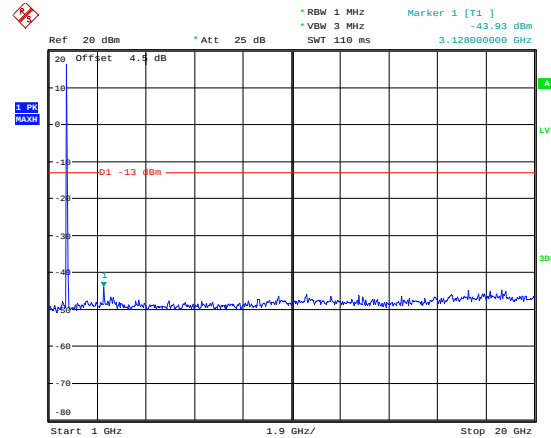


Date: 16.OCT.2020 10:05:02

3M, QPSK, Low Channel

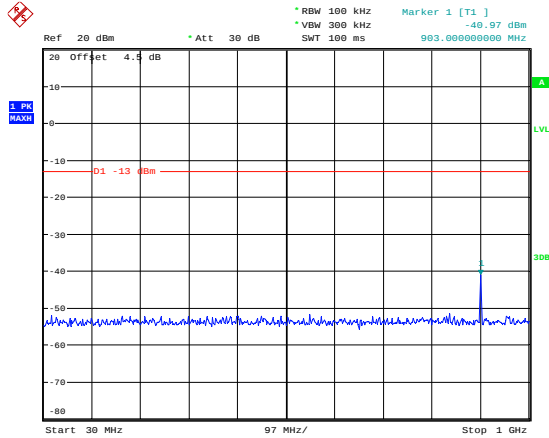


Date: 16.OCT.2020 09:29:23

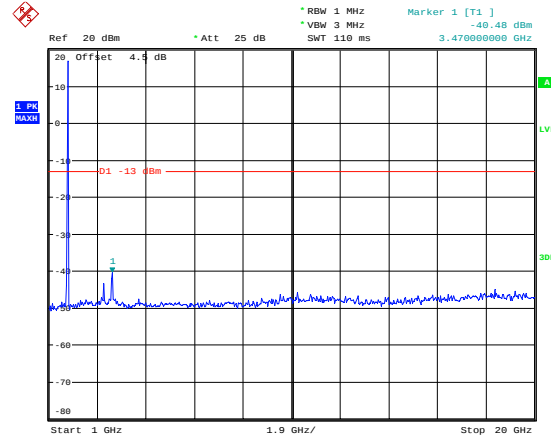


Date: 16.OCT.2020 09:29:37

3M, QPSK, Middle Channel

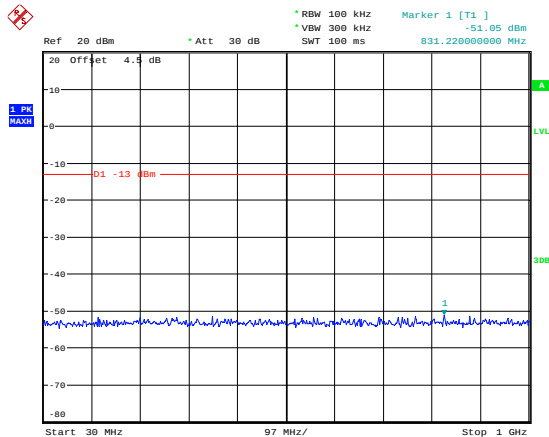


Date: 16.OCT.2020 09:05:53

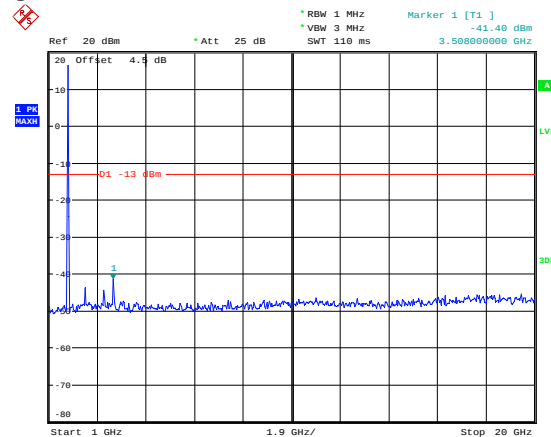


Date: 16.OCT.2020 09:06:07

3M, QPSK, High Channel

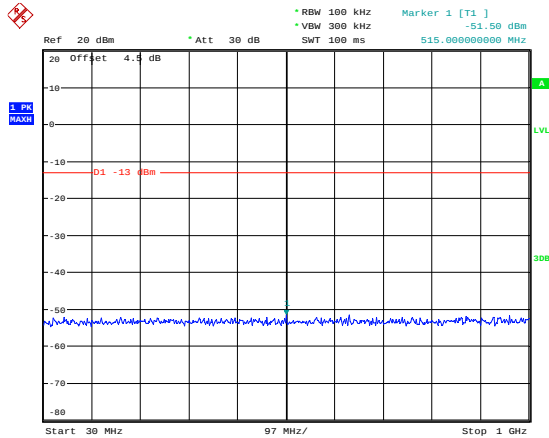


Date: 16.OCT.2020 10:05:44

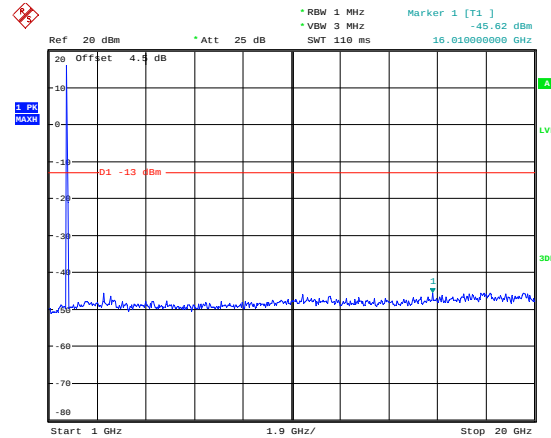


Date: 16.OCT.2020 10:05:58

5M, QPSK, Low Channel

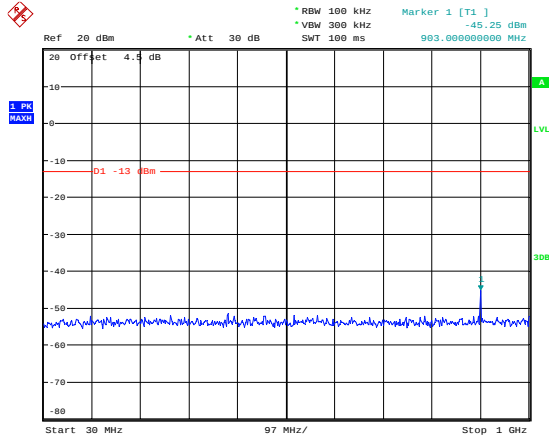


Date: 16.OCT.2020 09:38:15

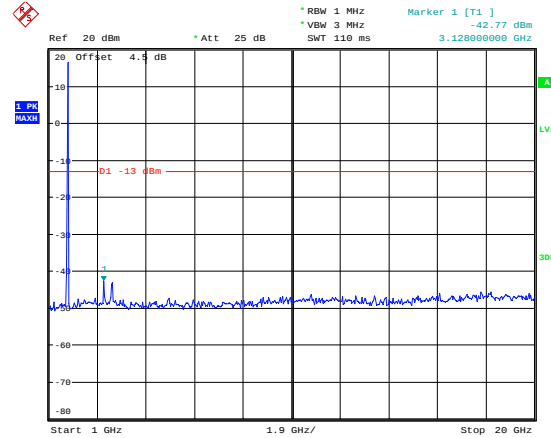


Date: 16.OCT.2020 09:38:29

5M, QPSK, Middle Channel

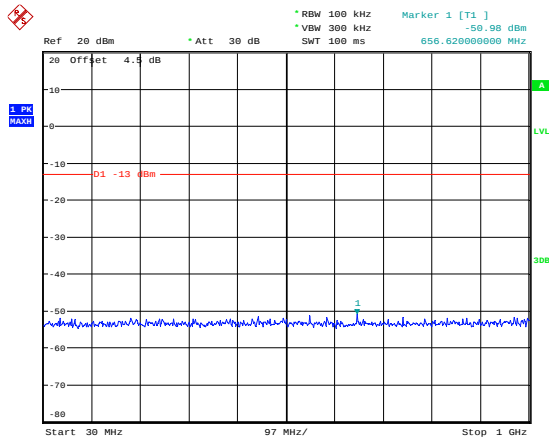


Date: 16.OCT.2020 09:06:29

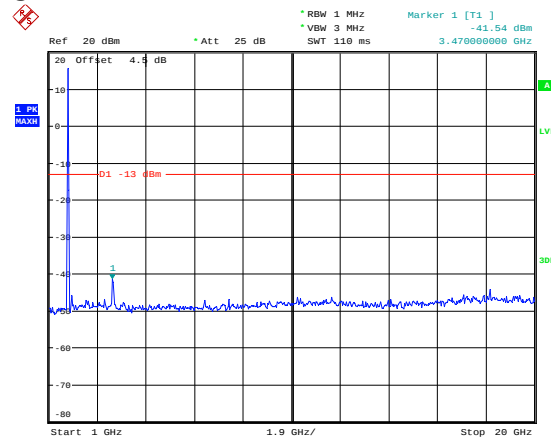


Date: 16.OCT.2020 09:06:43

5M, QPSK, High Channel

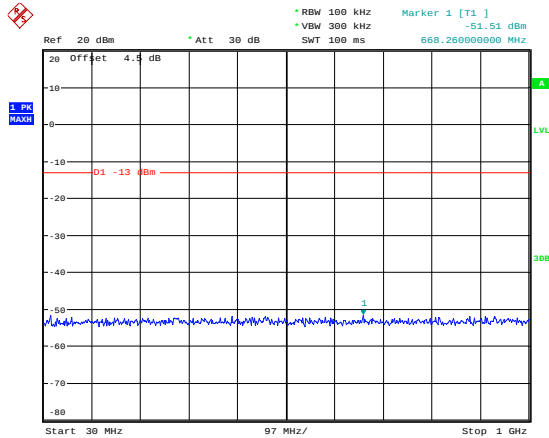


Date: 16.OCT.2020 10:06:33

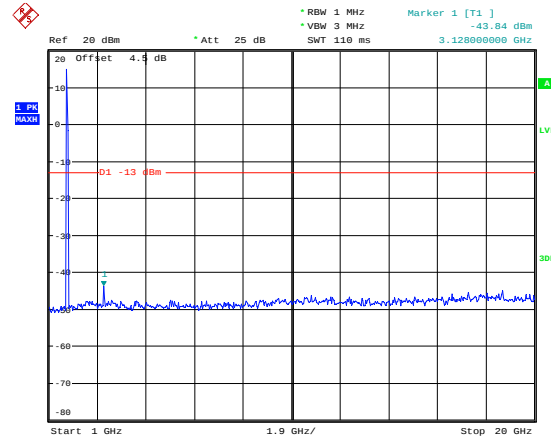


Date: 16.OCT.2020 10:06:47

10M, QPSK, Low Channel

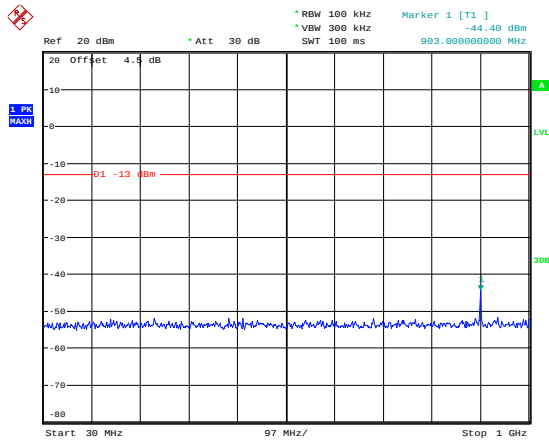


Date: 16.OCT.2020 09:31:03

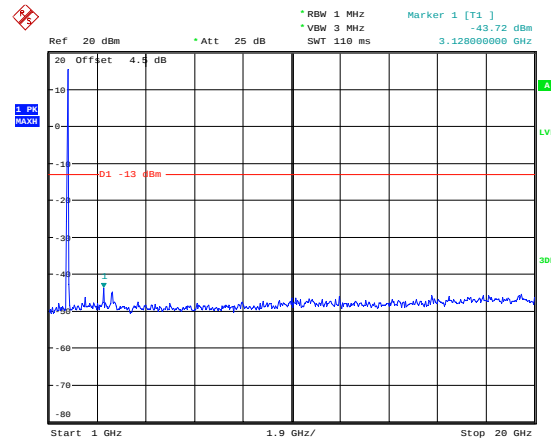


Date: 16.OCT.2020 09:31:17

10M, QPSK, Middle Channel

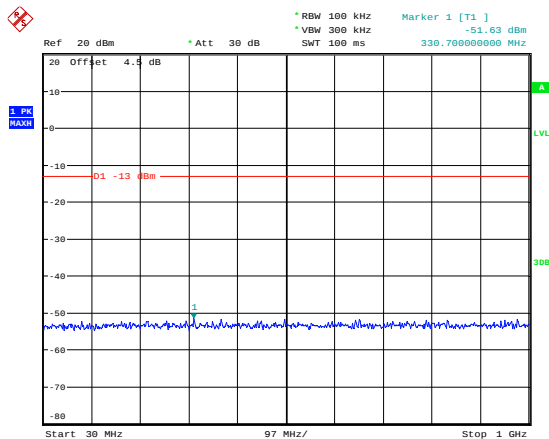


Date: 16.OCT.2020 09:07:08

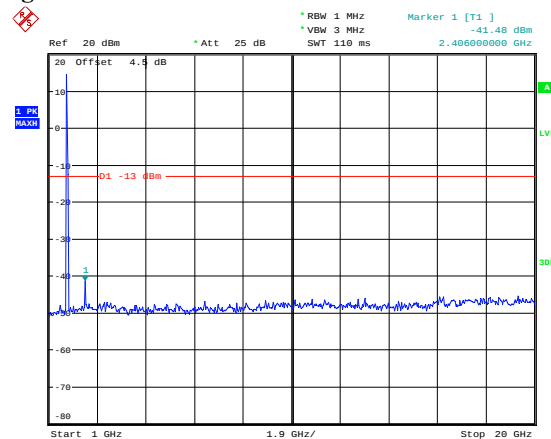


Date: 16.OCT.2020 09:07:22

10M, QPSK, High Channel

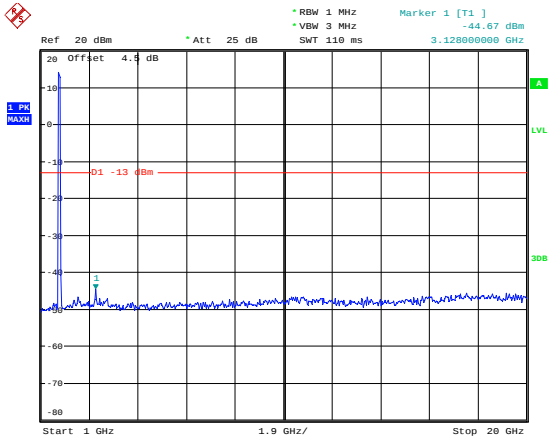
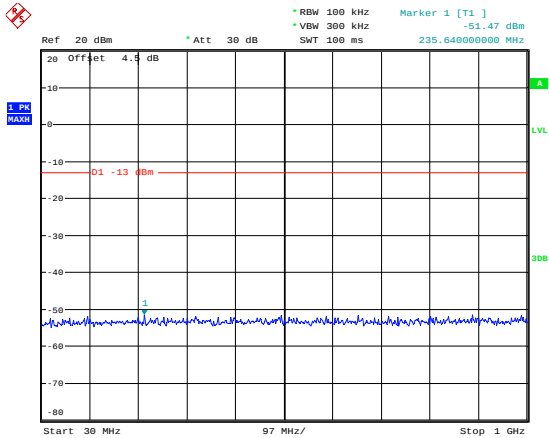


Date: 16.OCT.2020 10:07:21



Date: 16.OCT.2020 10:07:35

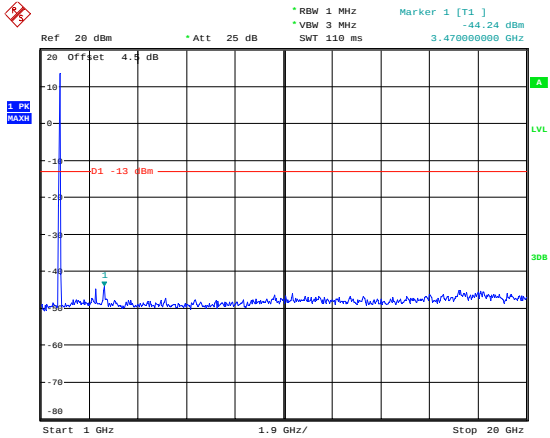
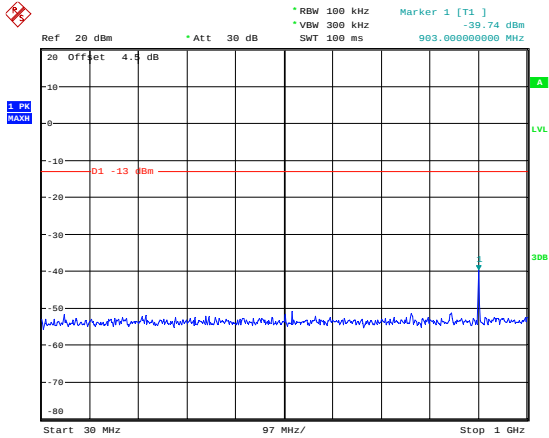
15M, QPSK, Low Channel



Date: 16.OCT.2020 09:31:56

Date: 16.OCT.2020 09:32:10

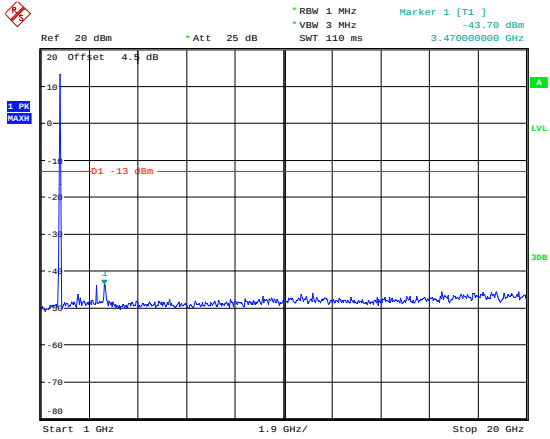
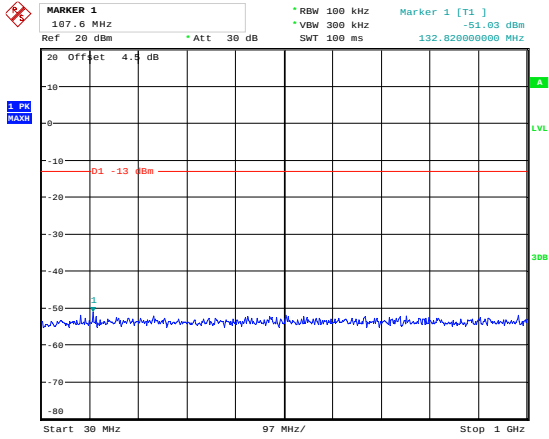
15M, QPSK, Middle Channel



Date: 16.OCT.2020 09:07:51

Date: 16.OCT.2020 09:08:05

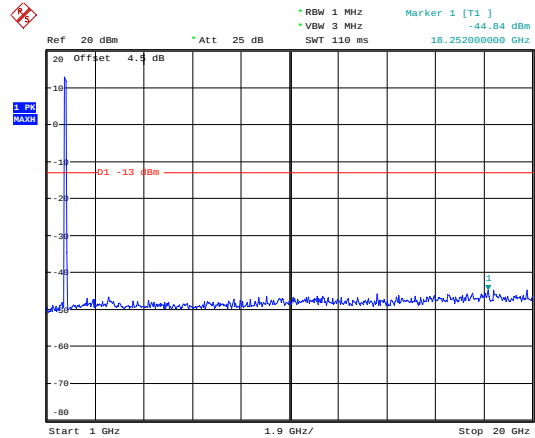
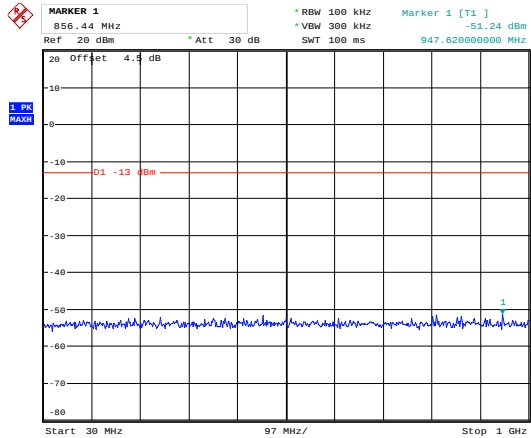
15M, QPSK, High Channel



Date: 16.OCT.2020 10:08:36

Date: 16.OCT.2020 10:08:50

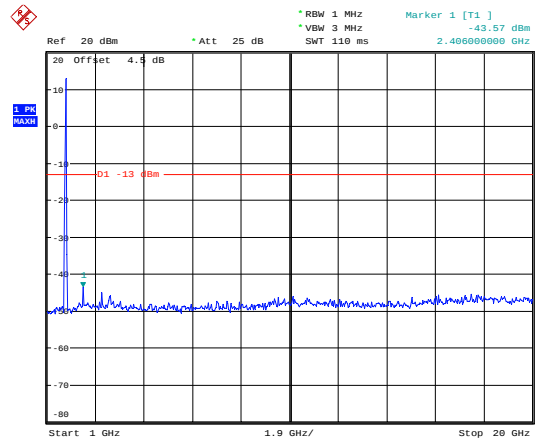
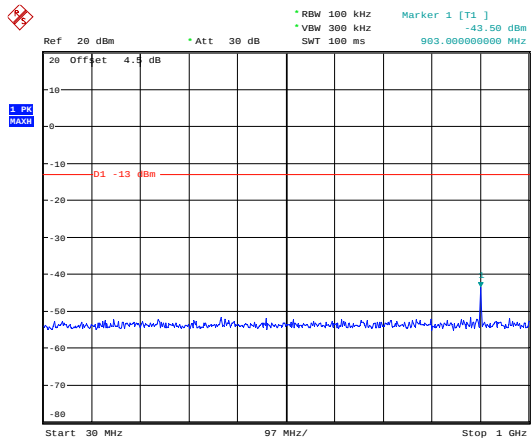
20M, QPSK, Low Channel



Date: 16.OCT.2020 09:34:02

Date: 16.OCT.2020 09:34:17

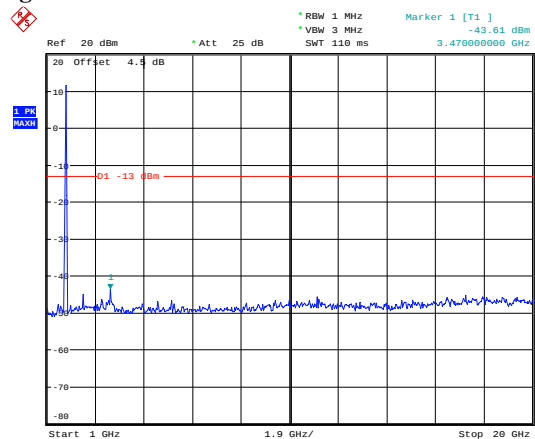
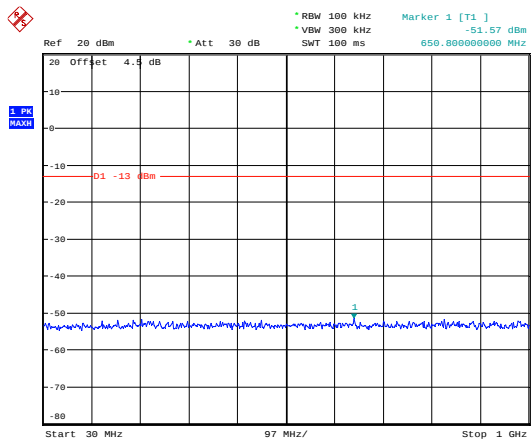
20M, QPSK, Middle Channel



Date: 16.OCT.2020 09:08:34

Date: 16.OCT.2020 09:08:48

20M, QPSK, High Channel

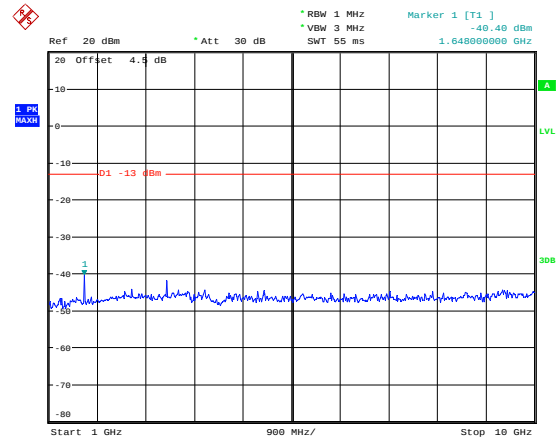
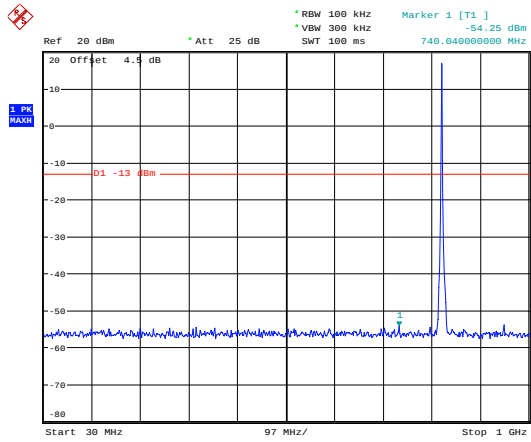


Date: 16.OCT.2020 10:09:28

Date: 16.OCT.2020 10:09:42

LTE Band 5:

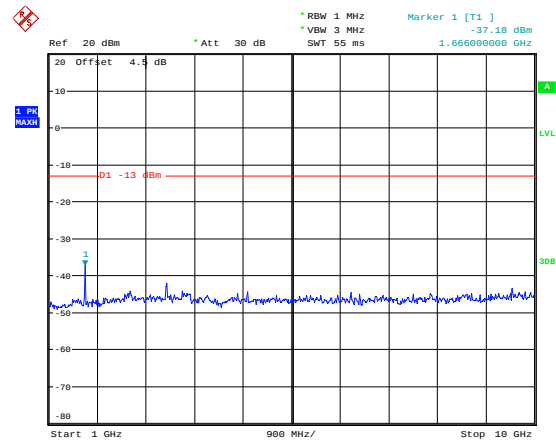
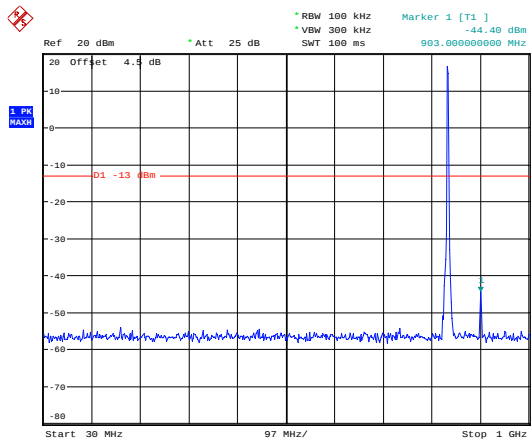
1.4M, QPSK, Low Channel



Date: 16.OCT.2020 10:44:25

Date: 16.OCT.2020 09:35:18

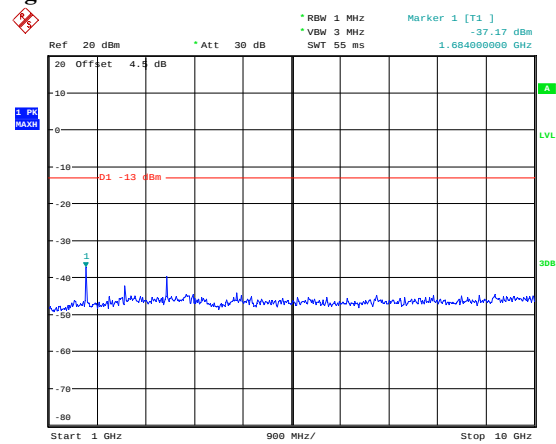
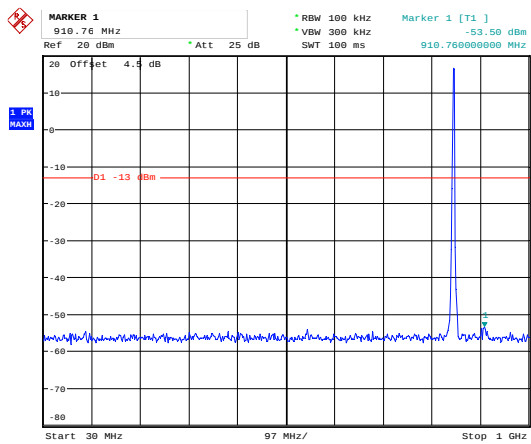
1.4M, QPSK, Middle Channel



Date: 16.OCT.2020 09:09:11

Date: 16.OCT.2020 09:09:25

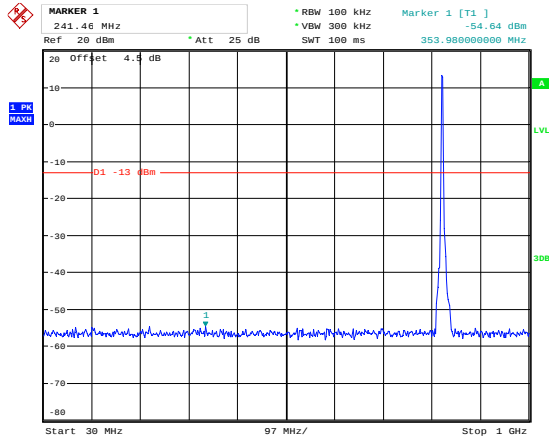
1.4M, QPSK, High Channel



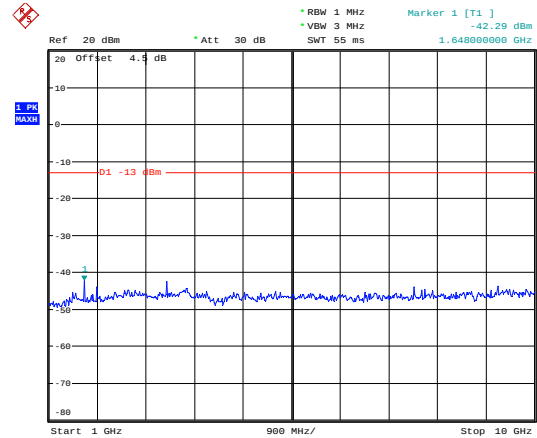
Date: 16.OCT.2020 10:10:33

Date: 16.OCT.2020 10:10:48

3M, QPSK, Low Channel

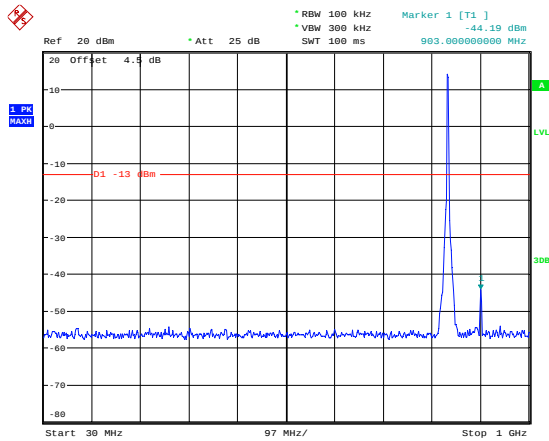


Date: 16.OCT.2020 09:35:58

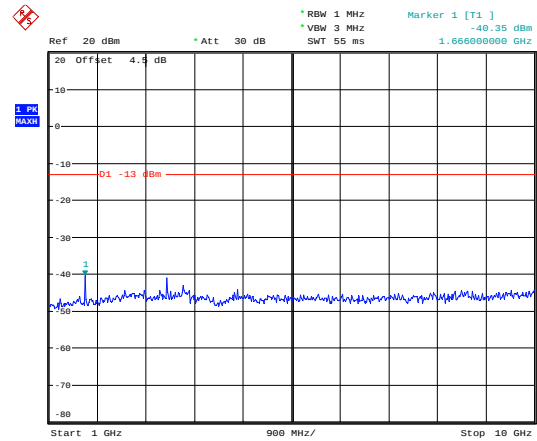


Date: 16.OCT.2020 09:36:12

3M, QPSK, Middle Channel

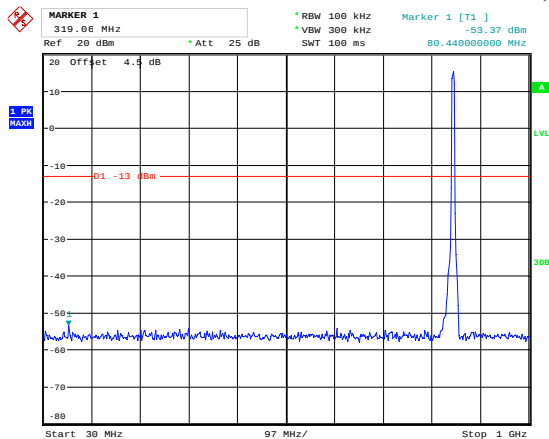


Date: 16.OCT.2020 09:09:49

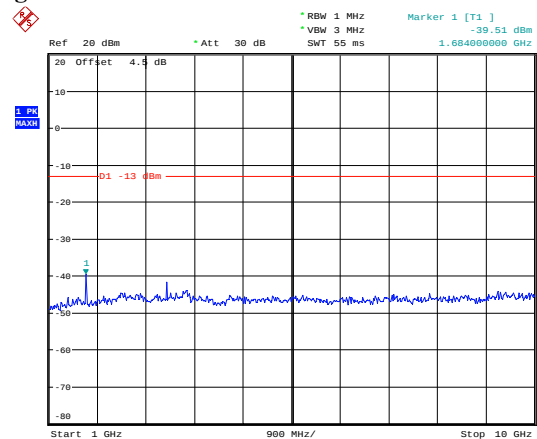


Date: 16.OCT.2020 09:10:03

3M, QPSK, High Channel

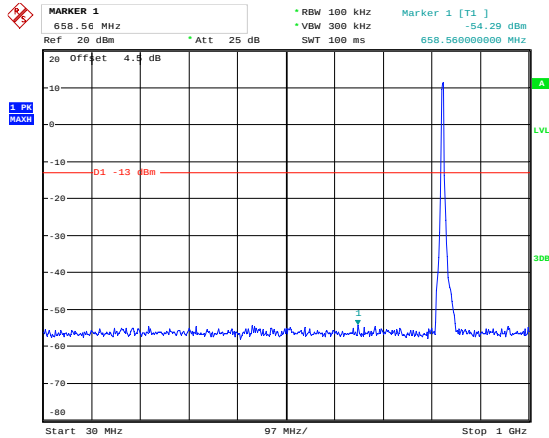


Date: 16.OCT.2020 10:11:37

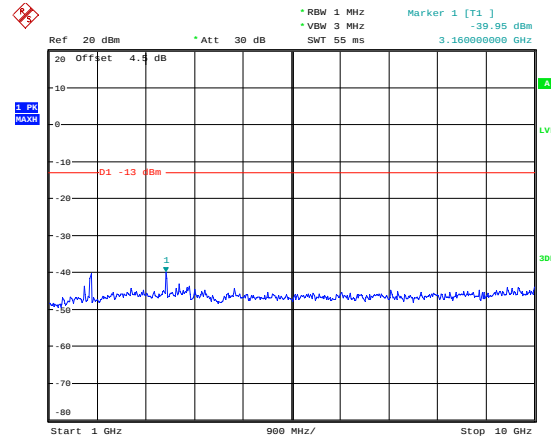


Date: 16.OCT.2020 10:11:55

5M, QPSK, Low Channel

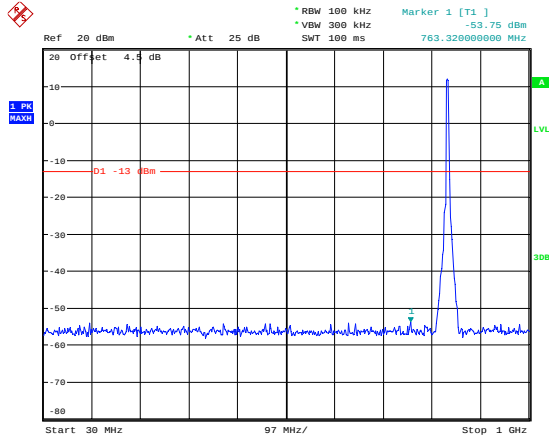


Date: 16.OCT.2020 09:36:58

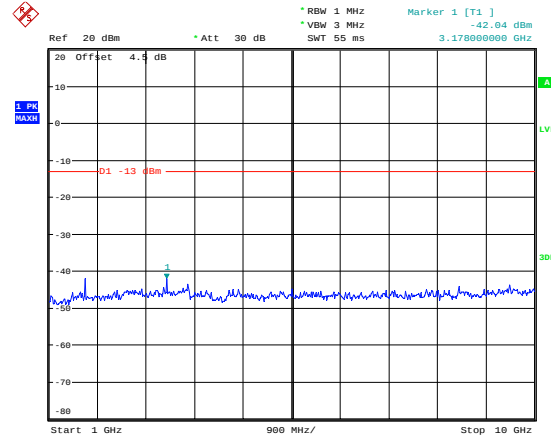


Date: 16.OCT.2020 09:37:12

5M, QPSK, Middle Channel

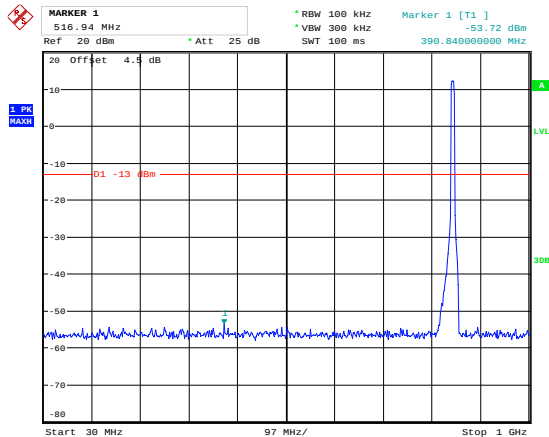


Date: 16.OCT.2020 09:10:29

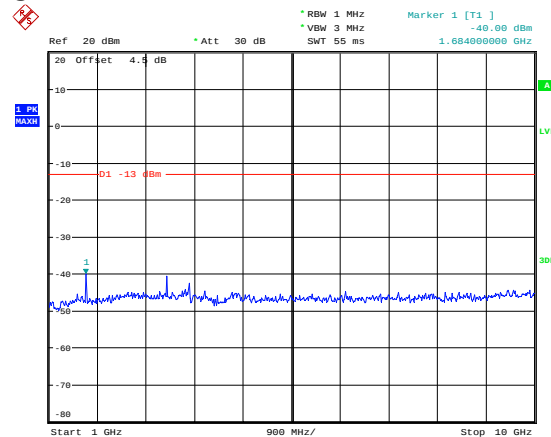


Date: 16.OCT.2020 09:10:42

5M, QPSK, High Channel

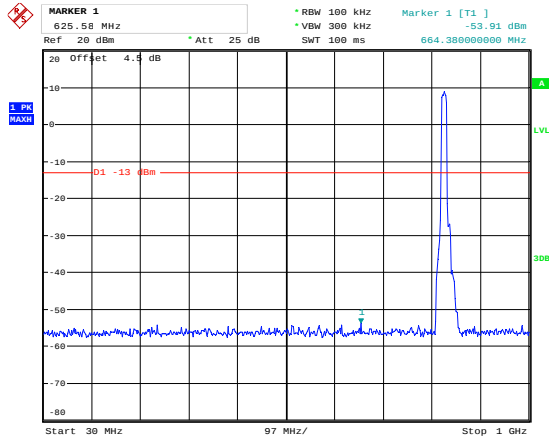


Date: 16.OCT.2020 10:12:42

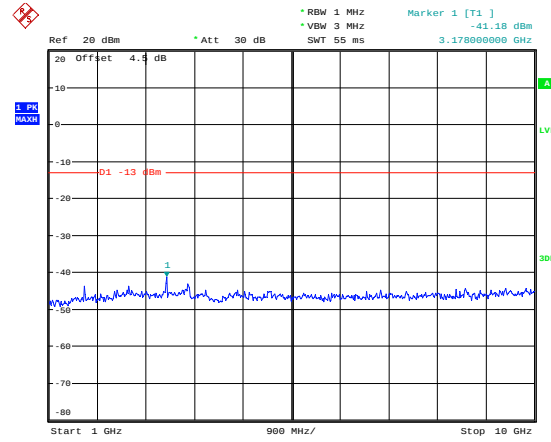


Date: 16.OCT.2020 10:12:56

10M, QPSK, Low Channel

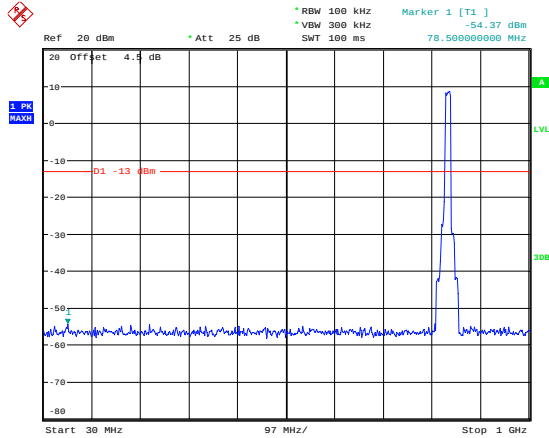


Date: 16.OCT.2020 09:38:20

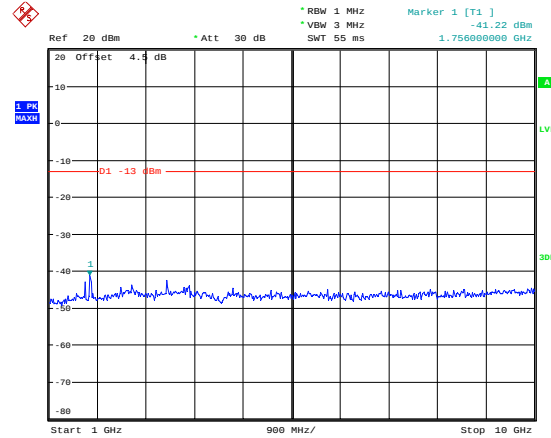


Date: 16.OCT.2020 09:38:35

10M, QPSK, Middle Channel

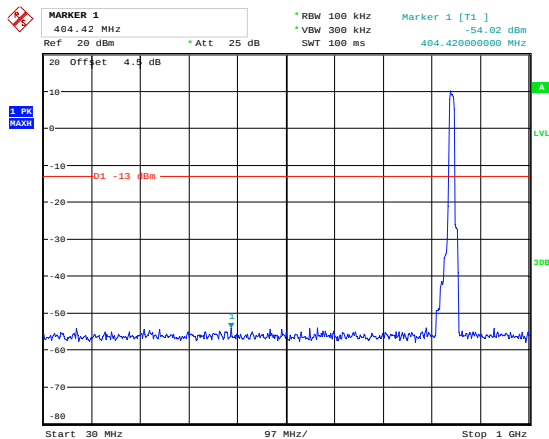


Date: 16.OCT.2020 09:11:05

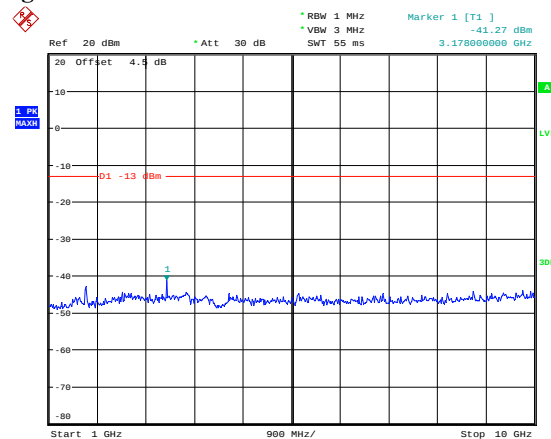


Date: 16.OCT.2020 09:11:19

10M, QPSK, High Channel



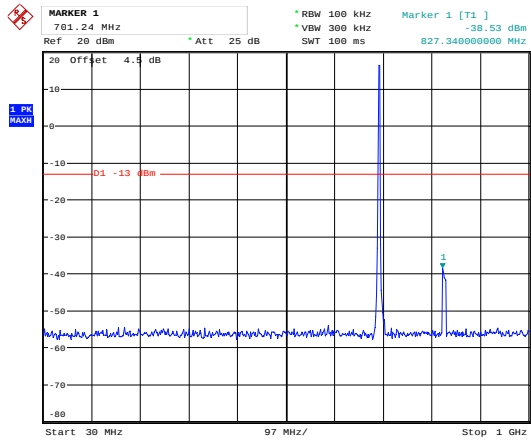
Date: 16.OCT.2020 10:15:38



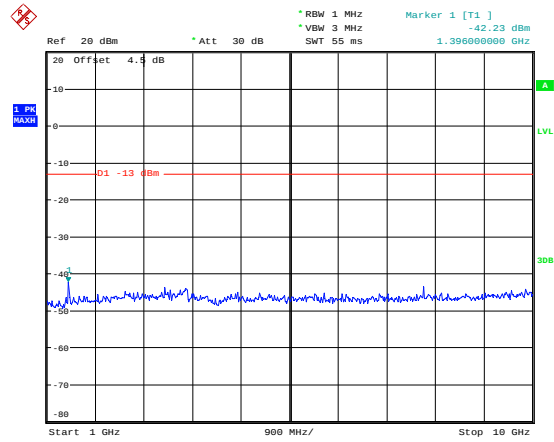
Date: 16.OCT.2020 10:15:52

LTE Band 12:

1.4M, QPSK, Low Channel

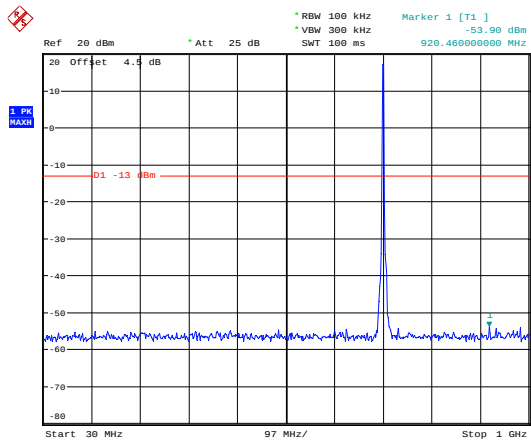


Date: 16.OCT.2020 09:39:41

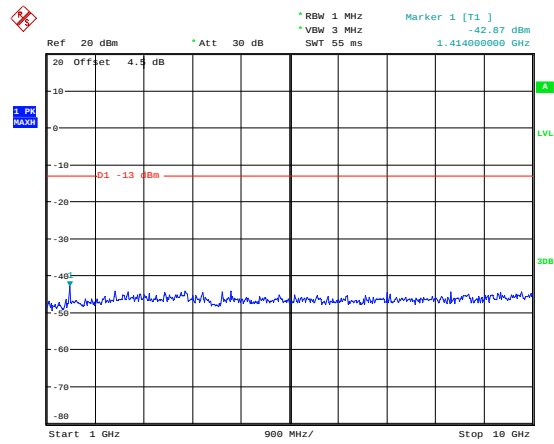


Date: 16.OCT.2020 09:39:56

1.4M, QPSK, Middle Channel

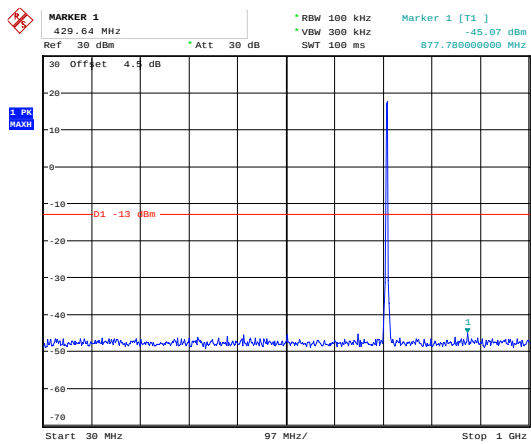


Date: 16.OCT.2020 09:11:44

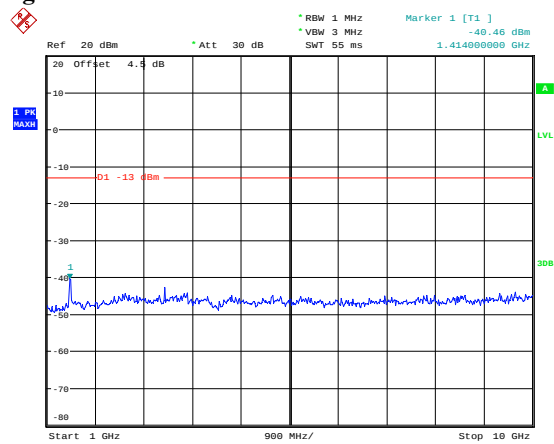


Date: 16.OCT.2020 09:11:58

1.4M, QPSK, High Channel

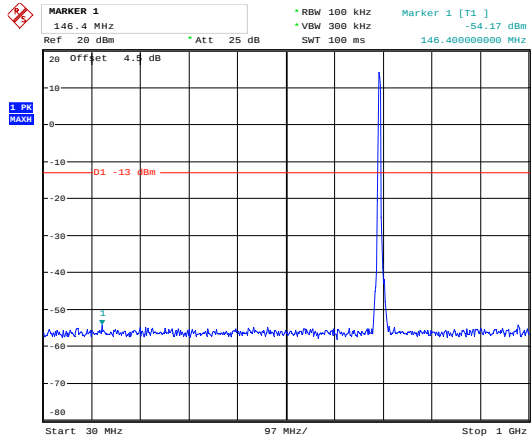


Date: 16.OCT.2020 18:17:21

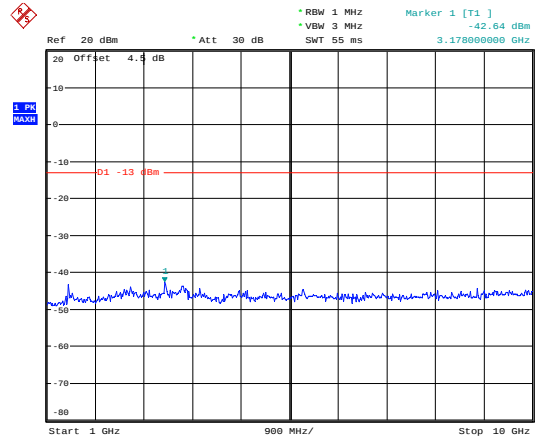


Date: 16.OCT.2020 18:17:36

3M, QPSK, Low Channel

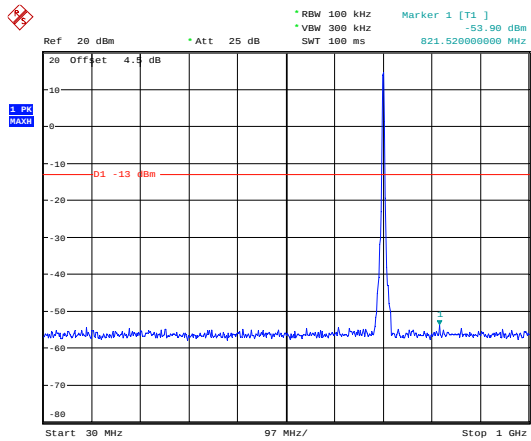


Date: 16.OCT.2020 09:48:48

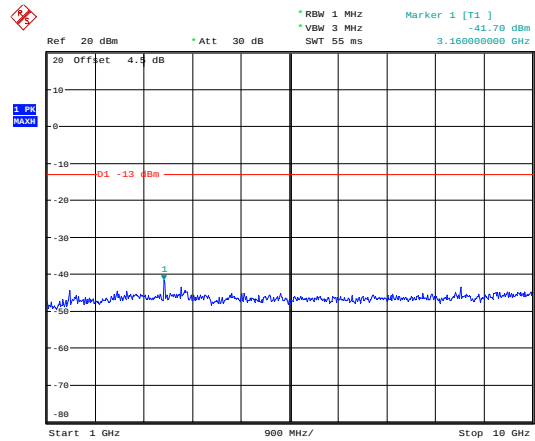


Date: 16.OCT.2020 09:41:03

3M, QPSK, Middle Channel

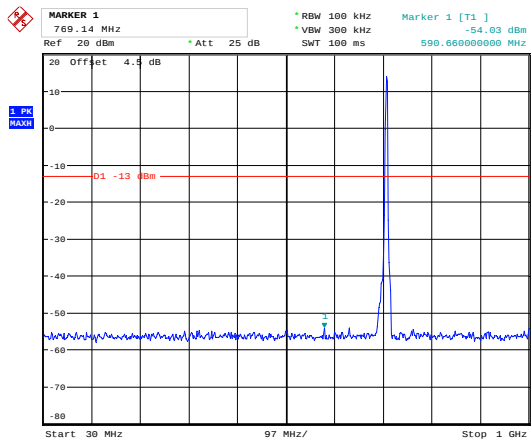


Date: 16.OCT.2020 09:12:22

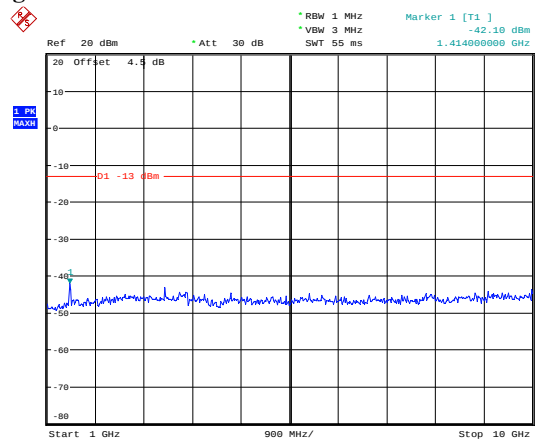


Date: 16.OCT.2020 09:12:36

3M, QPSK, High Channel

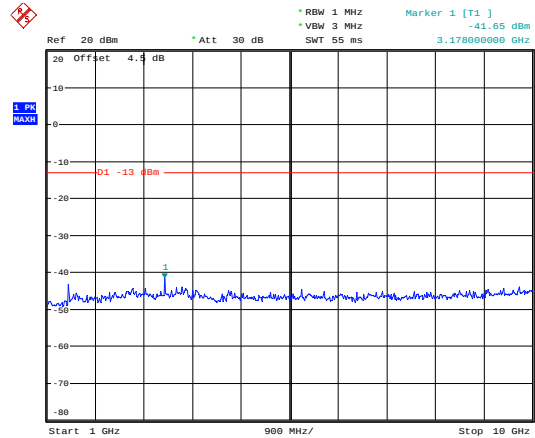
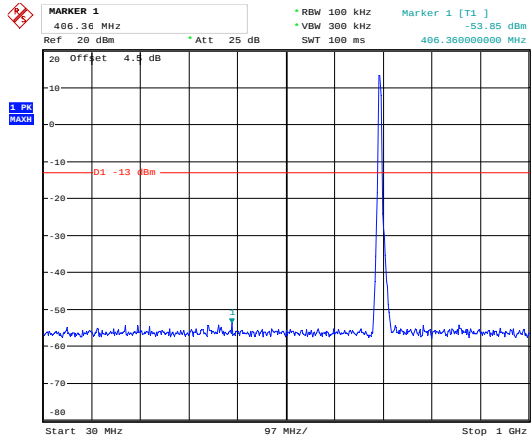


Date: 16.OCT.2020 10:20:51



Date: 16.OCT.2020 10:21:06

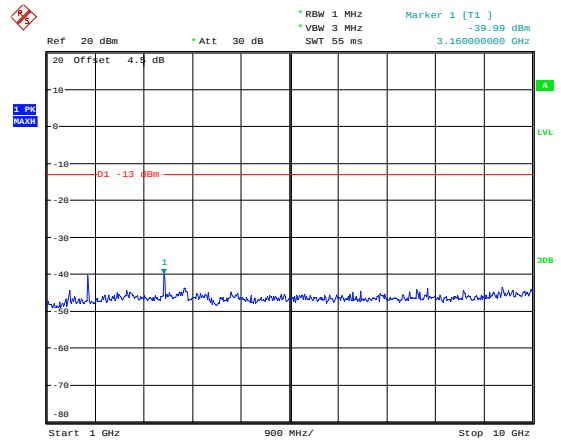
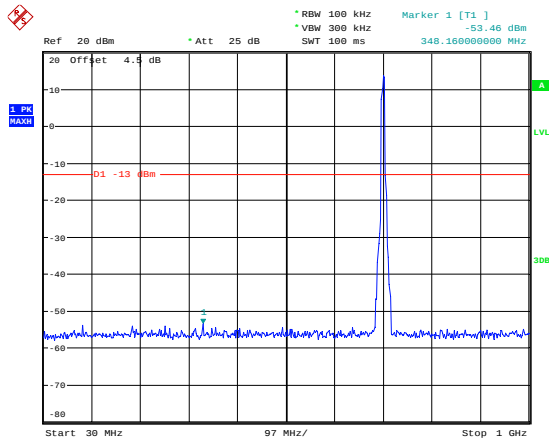
5M, QPSK, Low Channel



Date: 16.OCT.2020 09:41:45

Date: 16.OCT.2020 09:42:00

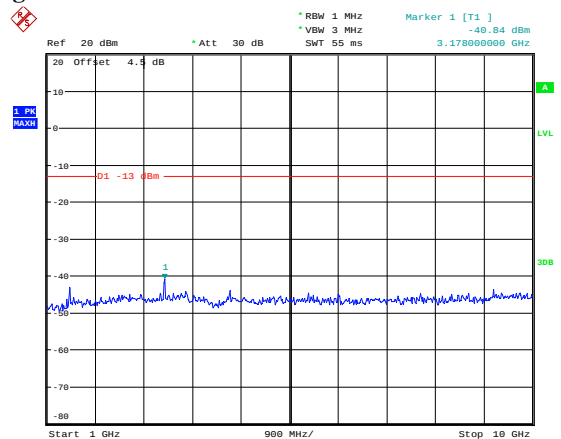
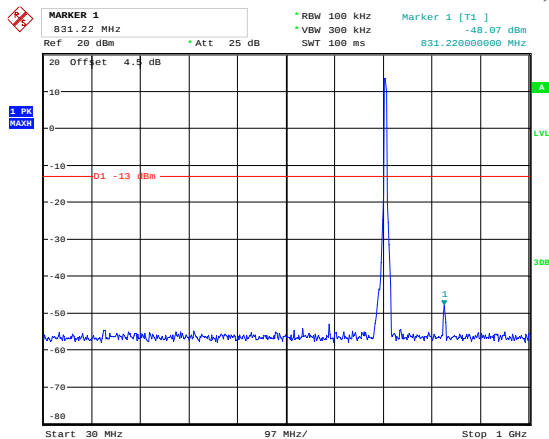
5M, QPSK, Middle Channel



Date: 16.OCT.2020 09:13:02

Date: 16.OCT.2020 09:13:16

5M, QPSK, High Channel



Date: 16.OCT.2020 10:21:53

Date: 16.OCT.2020 10:22:07